510334 2011 SP_{72} 9 6.9 77°.49 2°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.27	+ 3 37.7	1.892	2.691	16.0	22.0
8 9	23 21.99	+ 3 14.7	1.817	2.700	12.9	21.8
8 19	23 16.68	+ 2 33.1	1.762	2.710	9.3	21.6
8 29	23 9.87	+ 1 35.0	1.730	2.719	5.4	21.4
9 8	23 2.31	+ 0 25.3	1.725	2.729	2.3	21.2
9 18	22 54.89	− 0 49.6	1.748	2.739	4.4	21.4
9 28	22 48.50	− 2 2.5	1.797	2.748	8.1	21.6
10 8	22 43.84	− 3 6.9	1.872	2.758	11.7	21.9

393022 2012 XG_{155} 9 7.0 58°.24 4°.4/ 2.9 18

7 30	23 27.84	−14 43.5	1.818	2.670	14.4	20.7
8 9	23 24.17	−15 42.6	1.750	2.672	11.2	20.5
8 19	23 18.26	−16 47.6	1.703	2.673	7.7	20.3
8 29	23 10.66	−17 51.6	1.681	2.675	4.8	20.2
9 8	23 2.23	−18 47.0	1.685	2.676	4.9	20.2
9 18	22 53.97	−19 27.5	1.716	2.678	7.8	20.4
9 28	22 46.86	−19 48.9	1.772	2.679	11.2	20.6
10 8	22 41.69	−19 50.1	1.850	2.681	14.3	20.8

24253 1999 XX_{120} 9 7.0 349°.27 4°.2/ 4.1 18

7 30	23 30.26	−13 9.9	1.325	2.190	18.0	17.9
8 9	23 26.91	−13 47.0	1.258	2.187	14.1	17.7
8 19	23 20.58	−14 32.7	1.210	2.185	9.6	17.4
8 29	23 11.93	−15 19.3	1.184	2.183	5.4	17.2
9 8	23 2.10	−15 57.8	1.183	2.181	4.7	17.2
9 18	22 52.48	−16 20.9	1.206	2.180	8.6	17.4
9 28	22 44.48	−16 23.7	1.252	2.180	13.1	17.6
10 8	22 39.09	−16 5.2	1.318	2.180	17.2	17.9

47444 1999 XA_{205} 9 7.0 194°.04 3°.0/ 4.1 18

7 30	23 30.73	−13 21.5	2.257	3.089	12.7	19.2
8 9	23 25.97	−13 56.4	2.176	3.087	9.8	19.0
8 19	23 19.27	−14 36.2	2.118	3.085	6.7	18.8
8 29	23 11.11	−15 16.1	2.086	3.082	3.8	18.6
9 8	23 2.21	−15 50.9	2.083	3.079	3.3	18.6
9 18	22 53.42	−16 16.0	2.107	3.076	6.0	18.7
9 28	22 45.58	−16 28.1	2.160	3.072	9.2	18.9
10 8	22 39.39	−16 25.8	2.236	3.068	12.1	19.1

9722 Levi–Montalcini 9 7.0 243°.56 0°.4/ 6.6 18

7 30	23 29.76	− 4 37.7	1.868	2.691	15.3	19.1
8 9	23 25.79	− 5 3.9	1.774	2.678	12.1	18.9
8 19	23 19.50	− 5 43.5	1.699	2.664	8.3	18.7
8 29	23 11.37	− 6 33.2	1.650	2.649	4.0	18.4
9 8	23 2.18	− 7 27.3	1.627	2.635	0.8	18.1
9 18	22 52.92	− 8 19.6	1.633	2.619	5.3	18.4
9 28	22 44.66	− 9 3.8	1.665	2.603	9.7	18.6
10 8	22 38.29	− 9 35.3	1.721	2.587	13.6	18.8

130060 1999 VO_{185} 9 7.0 78°.03 3°.8/10.8 18

7 30	23 26.00	+ 7 7.2	1.817	2.601	17.1	19.4
8 9	23 22.68	+ 7 0.4	1.742	2.611	14.1	19.2
8 19	23 17.23	+ 6 32.4	1.685	2.621	10.6	19.0
8 29	23 10.17	+ 5 44.2	1.652	2.631	6.8	18.8
9 8	23 2.32	+ 4 39.8	1.644	2.641	4.0	18.7
9 18	22 54.61	+ 3 25.1	1.662	2.651	4.9	18.7
9 28	22 47.99	+ 2 8.0	1.708	2.661	8.3	19.0
10 8	22 43.19	+ 0 55.9	1.778	2.671	11.8	19.2

231746 1999 TO_{49} 9 7.0 40°.49 2°.6/ 4.9 18

7 30	23 28.71	−10 11.3	1.639	2.487	15.9	20.6
8 9	23 25.03	−10 46.0	1.571	2.491	12.4	20.4
8 19	23 18.93	−11 30.0	1.524	2.496	8.3	20.2
8 29	23 11.02	−12 17.7	1.501	2.501	4.2	19.9
9 8	23 2.23	−13 2.0	1.503	2.506	3.0	19.9
9 18	22 53.65	−13 36.7	1.532	2.511	6.7	20.1
9 28	22 46.35	−13 56.8	1.587	2.516	10.7	20.4
10 8	22 41.16	−14 0.2	1.663	2.522	14.3	20.6

388243 2006 KU_{42} 9 7.0 193°.79 6°.5/31.1 18

7 30	23 31.32	−23 8.8	2.128	2.972	12.9	21.8
8 9	23 26.66	−24 19.0	2.060	2.971	10.3	21.6
8 19	23 19.85	−25 28.3	2.015	2.969	7.9	21.4
8 29	23 11.42	−26 29.3	1.996	2.967	6.6	21.4
9 8	23 2.19	−27 14.8	2.004	2.964	7.2	21.4
9 18	22 53.12	−27 39.9	2.038	2.961	9.3	21.5
9 28	22 45.15	−27 42.4	2.097	2.957	11.8	21.7
10 8	22 39.05	−27 23.0	2.177	2.953	14.3	21.8

54900 2001 OL_{74} 9 7.0 31°.98 3°.8/ 4.1 18

7 30	23 30.44	−14 35.3	1.689	2.541	15.4	17.8
8 9	23 26.26	−15 1.6	1.626	2.548	11.9	17.6
8 19	23 19.68	−15 32.4	1.584	2.555	8.2	17.4
8 29	23 11.35	−16 1.6	1.566	2.563	4.7	17.2
9 8	23 2.22	−16 23.0	1.574	2.571	4.2	17.2
9 18	22 53.37	−16 31.7	1.609	2.580	7.3	17.4
9 28	22 45.87	−16 24.7	1.668	2.589	10.9	17.7
10 8	22 40.48	−16 1.6	1.751	2.598	14.3	17.9

507113 2009 SR_{41} 9 7.0 219°.01 1°.1/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.17	− 0 8.0	1.986	2.790	15.2	22.3
8 9	23 25.14	− 0 30.8	1.892	2.781	12.2	22.0
8 19	23 18.96	− 1 9.5	1.818	2.773	8.6	21.8
8 29	23 11.08	− 2 1.7	1.769	2.763	4.5	21.5
9 8	23 2.25	− 3 2.7	1.747	2.753	1.1	21.3
9 18	22 53.39	− 4 6.5	1.753	2.743	4.5	21.5
9 28	22 45.47	− 5 6.6	1.787	2.731	8.7	21.7
10 8	22 39.31	− 5 57.2	1.846	2.720	12.4	21.9

512788 2016 UT_{73} 9 7.0 186°.60 1°.6/ 5.5 18

7 30	23 28.48	− 8 14.9	1.955	2.788	14.3	21.6
8 9	23 24.51	− 8 44.2	1.876	2.788	11.1	21.4
8 19	23 18.43	− 9 23.1	1.819	2.787	7.5	21.2
8 29	23 10.77	−10 7.1	1.787	2.787	3.6	20.9
9 8	23 2.30	−10 50.7	1.782	2.787	1.9	20.8
9 18	22 53.93	−11 28.3	1.805	2.786	5.5	21.1
9 28	22 46.61	−11 55.3	1.854	2.786	9.3	21.3
10 8	22 41.07	−12 8.8	1.928	2.785	12.7	21.5

180431 2004 BR_{96} 9 7.0 145°.78 0°.8/ 7.7 17

7 30	23 29.73	− 1 36.9	1.627	2.449	17.2	20.7
8 9	23 25.90	− 1 52.5	1.551	2.452	13.7	20.5
8 19	23 19.60	− 2 24.7	1.494	2.455	9.5	20.2
8 29	23 11.41	− 3 10.3	1.461	2.458	4.9	20.0
9 8	23 2.23	− 4 3.7	1.453	2.460	0.8	19.7
9 18	22 53.18	− 4 58.2	1.473	2.463	5.1	20.0
9 28	22 45.39	− 5 46.8	1.518	2.465	9.7	20.3
10 8	22 39.71	− 6 24.0	1.587	2.467	13.7	20.6

105773 2000 SC_{111} 9 7.0 249°.93 3°.5/ 3.5 18

7 30	23 29.65	−15 31.0	2.257	3.094	12.5	19.9
8 9	23 25.19	−16 3.5	2.174	3.087	9.7	19.7
8 19	23 18.79	−16 39.5	2.113	3.080	6.7	19.5
8 29	23 10.91	−17 13.9	2.079	3.073	4.1	19.3
9 8	23 2.29	−17 41.5	2.073	3.065	3.9	19.3
9 18	22 53.75	−17 58.1	2.094	3.058	6.5	19.4
9 28	22 46.14	−18 0.6	2.143	3.050	9.5	19.6
10 8	22 40.18	−17 48.2	2.215	3.042	12.4	19.8

19102 1981 EH_{8} 9 7.0 169°.12 1°.8/ 8.5 18

7 30	23 33.52	+ 0 2.2	1.776	2.578	16.7	19.6
8 9	23 28.67	+ 0 6.6	1.695	2.582	13.5	19.4
8 19	23 21.40	− 0 4.4	1.633	2.585	9.6	19.2
8 29	23 12.26	− 0 28.9	1.595	2.588	5.3	18.9
9 8	23 2.14	− 1 3.1	1.584	2.590	1.9	18.7
9 18	22 52.12	− 1 41.9	1.601	2.591	4.9	18.9
9 28	22 43.31	− 2 19.4	1.645	2.592	9.1	19.2
10 8	22 36.57	− 2 50.2	1.713	2.592	13.0	19.4

360729 2004 TK_{247} 9 7.0 332°.86 5°.6/31.8 18

7 30	23 21.58	−16 16.3	1.753	2.621	14.1	19.5
8 9	23 19.57	−17 44.3	1.676	2.606	11.1	19.3
8 19	23 15.35	−19 19.8	1.620	2.592	7.9	19.1
8 29	23 9.38	−20 54.5	1.589	2.578	5.8	18.9
9 8	23 2.46	−22 18.9	1.584	2.565	6.5	18.9
9 18	22 55.55	−23 24.8	1.604	2.553	9.3	19.1
9 28	22 49.67	−24 6.5	1.648	2.542	12.7	19.3
10 8	22 45.67	−24 22.3	1.712	2.531	15.8	19.4

76576 2000 GP_{118} 9 7.0 309°.02 1°.2/ 8.1 18

7 30	23 25.64	− 0 27.2	1.830	2.647	15.7	19.9
8 9	23 22.52	− 0 41.2	1.742	2.640	12.6	19.7
8 19	23 17.24	− 1 11.2	1.675	2.633	8.9	19.4
8 29	23 10.26	− 1 54.8	1.631	2.627	4.7	19.2
9 8	23 2.37	− 2 47.4	1.614	2.620	1.2	18.9
9 18	22 54.48	− 3 43.1	1.623	2.614	4.6	19.1
9 28	22 47.60	− 4 35.3	1.659	2.608	8.9	19.4
10 8	22 42.53	− 5 18.3	1.719	2.603	12.7	19.6

32213 Joshuachoe 9 7.0 47°.63 0°.5/ 7.5 18

7 30	23 26.46	− 2 31.2	1.989	2.806	14.6	19.1
8 9	23 22.87	− 2 47.9	1.909	2.809	11.6	18.9
8 19	23 17.30	− 3 17.7	1.851	2.812	8.0	18.6
8 29	23 10.22	− 3 57.6	1.817	2.814	4.0	18.4
9 8	23 2.39	− 4 43.1	1.810	2.817	0.5	18.1
9 18	22 54.65	− 5 29.0	1.831	2.820	4.4	18.5
9 28	22 47.89	− 6 9.7	1.878	2.823	8.3	18.7
10 8	22 42.82	− 6 40.9	1.951	2.826	11.8	18.9

381726 2009 RW_{12} 9 7.0 339°.25 1°.1/ 6.3 18

7 30	23 22.87	− 6 25.7	1.117	1.991	19.9	20.3
8 9	23 21.71	− 6 36.3	1.041	1.975	15.8	20.0
8 19	23 17.46	− 7 3.7	0.983	1.961	10.8	19.7
8 29	23 10.64	− 7 43.3	0.945	1.948	5.2	19.4
9 8	23 2.35	− 8 27.5	0.929	1.936	1.5	19.1
9 18	22 54.03	− 9 7.2	0.935	1.926	7.3	19.4
9 28	22 47.27	− 9 34.0	0.963	1.917	13.0	19.7
10 8	22 43.26	− 9 42.2	1.010	1.910	18.0	20.0

429973 2013 AH_{144} 9 7.0 204°.78 2°.3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.71	+ 9 10.7	4.734	5.464	8.0	21.7
8 9	23 14.93	+ 9 0.8	4.633	5.463	6.6	21.6
8 19	23 11.36	+ 8 41.7	4.553	5.461	5.1	21.5
8 29	23 7.20	+ 8 14.0	4.500	5.460	3.6	21.4
9 8	23 2.76	+ 7 39.0	4.474	5.459	2.4	21.3
9 18	22 58.33	+ 6 58.6	4.478	5.458	2.6	21.3
9 28	22 54.23	+ 6 15.0	4.512	5.457	3.8	21.4
10 8	22 50.77	+ 5 30.8	4.574	5.455	5.4	21.5

70341 1999 RJ_{174} 9 7.0 45°.69 2°.5/ 5.4 18

7 30	23 34.98	−12 9.1	1.605	2.447	16.5	18.8
8 9	23 29.94	−12 10.0	1.538	2.453	12.9	18.5
8 19	23 22.29	−12 16.5	1.491	2.460	8.7	18.3
8 29	23 12.68	−12 23.7	1.468	2.467	4.4	18.1
9 8	23 2.17	−12 26.5	1.471	2.474	2.8	18.0
9 18	22 51.97	−12 20.5	1.501	2.482	6.5	18.3
9 28	22 43.25	−12 3.1	1.557	2.489	10.7	18.5
10 8	22 36.87	−11 33.3	1.636	2.497	14.4	18.8

510991 2013 JM_5 9 7.0 194°.69 8°.7/25.9 18

7 30	23 28.07	−32 46.8	2.413	3.252	11.7	20.6
8 9	23 24.11	−34 24.4	2.362	3.251	10.1	20.5
8 19	23 18.12	−35 55.0	2.333	3.250	8.9	20.4
8 29	23 10.63	−37 10.7	2.330	3.249	8.7	20.4
9 8	23 2.39	−38 5.1	2.352	3.248	9.6	20.4
9 18	22 54.29	−38 34.3	2.398	3.247	11.1	20.5
9 28	22 47.21	−38 37.1	2.466	3.246	12.8	20.7
10 8	22 41.87	−38 15.5	2.553	3.244	14.4	20.8

353740 2011 YB_{18} 9 7.0 326°.68 2°.2/ 2.9 17

7 30	23 19.65	−15 23.2	4.057	4.890	7.5	21.0
8 9	23 16.58	−15 58.7	3.975	4.887	5.8	20.9
8 19	23 12.53	−16 36.1	3.917	4.884	4.0	20.8
8 29	23 7.79	−17 12.6	3.888	4.880	2.5	20.7
9 8	23 2.70	−17 45.7	3.888	4.877	2.5	20.7
9 18	22 57.65	−18 12.7	3.917	4.874	4.0	20.8
9 28	22 53.03	−18 31.8	3.973	4.871	5.8	20.9
10 8	22 49.19	−18 41.8	4.056	4.869	7.5	21.0

244295 2002 ES_{151} 9 7.0 226°.14 4°.0/11.4 18

7 30	23 24.46	+ 9 29.8	1.888	2.660	16.9	20.7
8 9	23 21.56	+ 9 6.6	1.798	2.657	14.1	20.5
8 19	23 16.58	+ 8 19.5	1.726	2.654	10.8	20.3
8 29	23 9.96	+ 7 8.9	1.677	2.651	7.2	20.1
9 8	23 2.46	+ 5 38.9	1.653	2.648	4.3	19.9
9 18	22 54.97	+ 3 56.1	1.657	2.645	5.0	19.9
9 28	22 48.44	+ 2 9.6	1.688	2.641	8.3	20.1
10 8	22 43.66	+ 0 28.5	1.744	2.638	12.0	20.3

305721 2009 CH_{26} 9 7.0 35°.73 0°.2/ 7.2 18

7 30	23 32.57	− 5 51.4	1.631	2.461	16.8	20.5
8 9	23 27.98	− 5 32.4	1.563	2.470	13.2	20.3
8 19	23 20.92	− 5 23.6	1.516	2.480	9.1	20.1
8 29	23 12.01	− 5 22.4	1.492	2.491	4.5	19.8
9 8	23 2.25	− 5 24.9	1.494	2.502	0.5	19.6
9 18	22 52.76	− 5 27.2	1.523	2.513	5.1	19.9
9 28	22 44.64	− 5 25.4	1.579	2.525	9.5	20.2
10 8	22 38.72	− 5 16.4	1.658	2.537	13.3	20.5

316166 2009 WQ_1 9 7.0 294°.49 1°.1/ 9.2 15

7 30	23 18.50	+ 1 30.0	4.369	5.144	7.9	21.6
8 9	23 15.62	+ 1 18.2	4.267	5.138	6.4	21.5
8 19	23 11.86	+ 0 59.0	4.188	5.131	4.6	21.4
8 29	23 7.46	+ 0 33.6	4.137	5.124	2.6	21.2
9 8	23 2.74	+ 0 3.6	4.114	5.118	1.1	21.1
9 18	22 58.03	− 0 29.0	4.121	5.111	2.2	21.2
9 28	22 53.67	− 1 1.8	4.158	5.104	4.1	21.3
10 8	22 49.99	− 1 32.6	4.223	5.098	6.0	21.4

266774 2009 ST_{196} 9 7.0 174°.59 1°.8/ 9.4 18

7 30	23 25.24	+ 2 29.1	2.790	3.568	11.9	21.1
8 9	23 21.34	+ 2 21.5	2.699	3.570	9.6	20.9
8 19	23 15.98	+ 2 2.2	2.629	3.571	6.9	20.8
8 29	23 9.53	+ 1 32.4	2.586	3.572	4.1	20.6
9 8	23 2.52	+ 0 54.7	2.570	3.573	1.9	20.4
9 18	22 55.55	+ 0 12.6	2.584	3.573	3.3	20.6
9 28	22 49.24	− 0 30.0	2.627	3.573	6.1	20.7
10 8	22 44.12	− 1 9.2	2.696	3.573	8.8	20.9

207249 2005 EF_{217} 9 7.0 121°.51 0°.2/ 6.8 18

7 30	23 26.28	− 3 15.4	1.972	2.793	14.6	20.8
8 9	23 22.75	− 3 54.2	1.895	2.798	11.5	20.6
8 19	23 17.23	− 4 46.7	1.839	2.803	7.8	20.4
8 29	23 10.21	− 5 49.1	1.809	2.808	3.7	20.2
9 8	23 2.44	− 6 55.6	1.805	2.813	0.6	19.9
9 18	22 54.78	− 7 59.8	1.830	2.817	4.7	20.3
9 28	22 48.12	− 8 55.6	1.882	2.822	8.6	20.5
10 8	22 43.14	− 9 38.7	1.958	2.826	12.1	20.7

514406 2016 TF_{45} 9 7.0 279°.12 6°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.45	+ 9 15.8	1.850	2.615	17.5	21.2
8 9	23 25.72	+10 0.9	1.750	2.600	14.9	21.0
8 19	23 19.62	+10 27.8	1.667	2.585	11.8	20.8
8 29	23 11.55	+10 34.2	1.607	2.569	8.6	20.6
9 8	23 2.29	+10 20.1	1.571	2.554	6.3	20.4
9 18	22 52.84	+ 9 47.9	1.561	2.539	6.7	20.4
9 28	22 44.35	+ 9 3.1	1.577	2.523	9.5	20.5
10 8	22 37.77	+ 8 12.9	1.617	2.508	12.9	20.7

402526 2006 EL_{24} 9 7.0 300°.47 0°.7/ 7.7 17

7 30	23 26.35	− 2 41.3	2.250	3.061	13.4	21.9
8 9	23 22.65	− 2 45.0	2.157	3.052	10.6	21.7
8 19	23 17.11	− 2 59.7	2.085	3.043	7.4	21.4
8 29	23 10.17	− 3 23.2	2.038	3.035	3.8	21.2
9 8	23 2.45	− 3 52.1	2.019	3.026	0.7	21.0
9 18	22 54.74	− 4 22.6	2.028	3.018	4.0	21.2
9 28	22 47.84	− 4 50.1	2.065	3.009	7.7	21.4
10 8	22 42.44	− 5 11.0	2.126	3.001	11.0	21.6

217862 2001 QL_{128} 9 7.0 334°.79 13°.4/11.1 17

7 30	23 41.28	+ 9 4.6	1.006	1.808	26.6	19.3
8 9	23 37.16	+12 3.5	0.933	1.801	23.3	19.0
8 19	23 28.76	+14 48.4	0.876	1.795	19.5	18.8
8 29	23 16.51	+17 7.2	0.837	1.789	15.8	18.5
9 8	23 1.74	+18 48.8	0.818	1.784	13.6	18.4
9 18	22 46.56	+19 46.3	0.820	1.780	14.1	18.4
9 28	22 33.41	+20 2.9	0.842	1.776	17.1	18.6
10 8	22 24.14	+19 50.1	0.883	1.773	20.8	18.8

366129 2012 DJ_{62} 9 7.0 214°.18 3°.1/10.9 18

7 30	23 24.54	+ 7 6.5	2.679	3.438	12.8	21.8
8 9	23 20.94	+ 6 59.8	2.580	3.433	10.6	21.6
8 19	23 15.80	+ 6 38.1	2.502	3.427	8.0	21.4
8 29	23 9.49	+ 6 2.2	2.448	3.422	5.3	21.3
9 8	23 2.54	+ 5 14.2	2.422	3.416	3.2	21.1
9 18	22 55.59	+ 4 17.9	2.424	3.410	3.9	21.1
9 28	22 49.29	+ 3 17.8	2.456	3.404	6.4	21.3
10 8	22 44.23	+ 2 19.1	2.514	3.397	9.2	21.5

75885 2000 CE_{33} 9 7.0 284°.21 0°.0/ 6.9 18

7 30	23 27.02	− 2 50.8	1.560	2.394	17.2	20.0
8 9	23 24.19	− 3 18.3	1.465	2.375	13.8	19.7
8 19	23 18.78	− 4 4.0	1.389	2.355	9.6	19.4
8 29	23 11.20	− 5 4.6	1.337	2.336	4.7	19.1
9 8	23 2.34	− 6 13.7	1.309	2.317	0.5	18.7
9 18	22 53.32	− 7 23.2	1.308	2.297	5.8	19.1
9 28	22 45.40	− 8 24.5	1.332	2.278	10.9	19.3
10 8	22 39.65	− 9 10.9	1.378	2.258	15.4	19.5

386838 2010 JJ_{73} 9 7.0 102°.00 1°.9/ 5.2 18

7 30	23 29.51	− 9 3.1	1.986	2.818	14.1	21.3
8 9	23 25.16	− 9 38.1	1.920	2.831	10.9	21.2
8 19	23 18.78	−10 21.6	1.876	2.844	7.3	21.0
8 29	23 10.93	−11 8.8	1.857	2.857	3.6	20.8
9 8	23 2.40	−11 53.9	1.866	2.869	2.2	20.7
9 18	22 54.09	−12 31.6	1.902	2.882	5.5	20.9
9 28	22 46.87	−12 57.7	1.966	2.894	9.1	21.2
10 8	22 41.44	−13 10.0	2.054	2.905	12.3	21.4

104104 2000 EB_{44} 9 7.0 207°.60 1°.1/ 6.0 18

7 30	23 30.13	− 6 3.1	1.908	2.733	14.9	20.6
8 9	23 25.95	− 6 38.2	1.822	2.729	11.7	20.4
8 19	23 19.55	− 7 25.5	1.758	2.724	7.9	20.2
8 29	23 11.41	− 8 20.8	1.718	2.718	3.8	19.9
9 8	23 2.34	− 9 18.2	1.706	2.712	1.4	19.7
9 18	22 53.31	−10 11.2	1.722	2.705	5.4	20.0
9 28	22 45.31	−10 54.0	1.764	2.698	9.5	20.2
10 8	22 39.18	−11 22.7	1.831	2.691	13.2	20.4

350468 1998 TF_1 9 7.0 323°.29 3°.1/ 4.5 18

7 30	23 27.77	−11 41.2	1.647	2.500	15.6	21.1
8 9	23 24.49	−12 13.1	1.567	2.490	12.2	20.9
8 19	23 18.75	−12 53.5	1.508	2.480	8.3	20.6
8 29	23 11.08	−13 36.6	1.472	2.471	4.4	20.4
9 8	23 2.38	−14 15.6	1.461	2.462	3.5	20.3
9 18	22 53.73	−14 44.0	1.477	2.454	7.1	20.5
9 28	22 46.28	−14 56.9	1.518	2.446	11.2	20.7
10 8	22 40.94	−14 52.1	1.580	2.438	15.0	21.0

263072 2007 LN_4 9 7.0 248°.96 4°.9/13.4 18

7 30	23 23.68	+13 12.3	2.644	3.369	13.7	20.7
8 9	23 20.37	+13 17.6	2.540	3.359	11.7	20.6
8 19	23 15.48	+13 5.1	2.455	3.350	9.4	20.4
8 29	23 9.36	+12 34.4	2.393	3.341	7.1	20.2
9 8	23 2.57	+11 46.7	2.357	3.331	5.2	20.1
9 18	22 55.73	+10 45.0	2.348	3.321	5.1	20.1
9 28	22 49.54	+ 9 34.1	2.368	3.311	6.9	20.2
10 8	22 44.61	+ 8 20.1	2.414	3.301	9.3	20.3

496228 2012 BS_{121} 9 7.0 270°.57 2°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.15	−11 16.6	2.234	3.075	12.5	21.4
8 9	23 20.97	−12 21.4	2.152	3.069	9.6	21.2
8 19	23 15.99	−13 34.5	2.093	3.063	6.5	21.0
8 29	23 9.63	−14 50.5	2.060	3.057	3.6	20.8
9 8	23 2.54	−16 2.8	2.055	3.051	3.4	20.8
9 18	22 55.49	−17 5.3	2.078	3.045	6.2	21.0
9 28	22 49.26	−17 53.2	2.127	3.039	9.4	21.2
10 8	22 44.52	−18 23.7	2.201	3.033	12.3	21.4

42990 1999 TM_{251} 9 7.0 171°.26 2°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.34	+ 7 1.9	2.113	2.887	15.3	19.3
8 9	23 21.96	+ 6 27.0	2.024	2.889	12.6	19.1
8 19	23 16.69	+ 5 31.6	1.956	2.891	9.3	18.9
8 29	23 9.98	+ 4 17.3	1.911	2.892	5.8	18.7
9 8	23 2.52	+ 2 48.6	1.894	2.894	3.0	18.5
9 18	22 55.10	+ 1 11.9	1.905	2.894	4.2	18.6
9 28	22 48.57	− 0 24.9	1.944	2.895	7.6	18.8
10 8	22 43.61	− 1 54.6	2.010	2.895	11.0	19.0

321052 2008 RK_{64} 9 7.0 14°.57 1°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.65	− 2 45.0	1.234	2.095	19.3	20.0
8 9	23 19.43	− 3 48.0	1.173	2.099	15.1	19.8
8 19	23 15.53	− 5 13.7	1.130	2.104	10.2	19.5
8 29	23 9.56	− 6 55.1	1.109	2.111	4.8	19.3
9 8	23 2.56	− 8 41.4	1.111	2.118	1.5	19.1
9 18	22 55.76	−10 20.4	1.138	2.126	6.7	19.4
9 28	22 50.40	−11 41.7	1.189	2.136	11.8	19.7
10 8	22 47.37	−12 38.9	1.260	2.146	16.1	20.0

234662 2002 EJ_{136} 9 7.0 113°.28 0°.6/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.05	− 3 55.1	1.922	2.744	14.9	21.3
8 9	23 24.12	− 4 39.0	1.853	2.757	11.7	21.2
8 19	23 18.14	− 5 36.4	1.805	2.769	7.9	21.0
8 29	23 10.66	− 6 42.7	1.782	2.782	3.7	20.7
9 8	23 2.46	− 7 51.7	1.787	2.794	0.9	20.5
9 18	22 54.44	− 8 56.7	1.820	2.805	4.9	20.9
9 28	22 47.50	− 9 52.0	1.880	2.817	8.8	21.1
10 8	22 42.33	−10 33.2	1.964	2.828	12.2	21.4

150005 2005 UG_{166} 9 7.0 64°.12 0°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.58	− 4 41.4	2.045	2.868	14.1	20.4
8 9	23 22.86	− 5 5.0	1.973	2.878	11.0	20.3
8 19	23 17.23	− 5 39.8	1.923	2.888	7.5	20.1
8 29	23 10.20	− 6 22.3	1.898	2.898	3.6	19.8
9 8	23 2.51	− 7 7.6	1.901	2.908	0.6	19.6
9 18	22 54.97	− 7 50.4	1.931	2.918	4.5	19.9
9 28	22 48.42	− 8 26.0	1.988	2.928	8.2	20.2
10 8	22 43.51	− 8 50.9	2.070	2.939	11.5	20.4

365949 2012 BS_{3} 9 7.0 187°.26 0°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.71	− 5 39.8	2.663	3.476	11.5	22.0
8 9	23 21.80	− 6 13.3	2.576	3.476	9.0	21.9
8 19	23 16.34	− 6 55.6	2.512	3.475	6.0	21.7
8 29	23 9.74	− 7 43.7	2.474	3.474	2.8	21.5
9 8	23 2.56	− 8 33.4	2.465	3.472	0.9	21.3
9 18	22 55.41	− 9 20.5	2.486	3.470	4.0	21.5
9 28	22 48.98	−10 0.9	2.536	3.468	7.1	21.7
10 8	22 43.81	−10 31.6	2.611	3.465	9.9	21.9

206663 2003 YF_{66} 9 7.0 230°.46 0°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.37	− 5 52.4	1.974	2.799	14.4	20.5
8 9	23 24.46	− 6 13.8	1.890	2.797	11.3	20.3
8 19	23 18.47	− 6 46.2	1.828	2.794	7.7	20.1
8 29	23 10.87	− 7 26.0	1.791	2.791	3.7	19.8
9 8	23 2.44	− 8 8.1	1.781	2.788	1.0	19.6
9 18	22 54.07	− 8 47.2	1.798	2.784	5.0	19.9
9 28	22 46.70	− 9 18.3	1.843	2.781	8.9	20.2
10 8	22 41.08	− 9 37.9	1.912	2.778	12.4	20.4

264215 2010 RP_{51} 9 7.0 304°.59 1°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.47	− 7 47.0	1.298	2.154	18.8	20.7
8 9	23 26.63	− 8 1.2	1.214	2.138	14.9	20.4
8 19	23 20.72	− 8 29.2	1.149	2.122	10.2	20.1
8 29	23 12.25	− 9 6.3	1.105	2.106	4.9	19.7
9 8	23 2.28	− 9 45.2	1.084	2.091	2.0	19.5
9 18	22 52.21	−10 17.9	1.089	2.075	7.2	19.8
9 28	22 43.59	−10 37.3	1.116	2.061	12.7	20.1
10 8	22 37.62	−10 39.2	1.164	2.046	17.5	20.3

353147 2009 HT_{26} 9 7.0 249°.18 0°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.01	− 2 44.2	2.092	2.908	14.1	21.6
8 9	23 22.54	− 3 11.3	2.003	2.903	11.1	21.4
8 19	23 17.12	− 3 51.6	1.935	2.897	7.7	21.2
8 29	23 10.22	− 4 42.2	1.893	2.891	3.8	20.9
9 8	23 2.51	− 5 38.1	1.877	2.885	0.4	20.6
9 18	22 54.82	− 6 33.9	1.890	2.878	4.4	21.0
9 28	22 48.00	− 7 23.8	1.930	2.872	8.3	21.2
10 8	22 42.79	− 8 3.3	1.994	2.865	11.8	21.4

514534 2017 AG_{17} 9 7.0 84°.12 3°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.27	+ 7 4.7	2.389	3.152	14.0	20.7
8 9	23 22.44	+ 7 21.0	2.301	3.155	11.6	20.5
8 19	23 16.89	+ 7 22.3	2.234	3.158	8.9	20.3
8 29	23 10.05	+ 7 8.4	2.190	3.162	6.0	20.2
9 8	23 2.53	+ 6 41.3	2.173	3.165	3.9	20.0
9 18	22 55.05	+ 6 4.2	2.184	3.168	4.5	20.1
9 28	22 48.37	+ 5 21.6	2.223	3.171	7.0	20.3
10 8	22 43.10	+ 4 38.6	2.288	3.174	9.8	20.4

507256 2011 BE_{164} 9 7.1 135°.09 0°.9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.56	+ 0 28.3	1.742	2.555	16.6	21.7
8 9	23 24.04	− 0 7.8	1.666	2.561	13.2	21.5
8 19	23 18.28	− 1 2.6	1.610	2.567	9.2	21.3
8 29	23 10.80	− 2 12.6	1.577	2.573	4.8	21.1
9 8	23 2.46	− 3 31.4	1.571	2.578	0.9	20.8
9 18	22 54.23	− 4 51.5	1.593	2.583	4.8	21.1
9 28	22 47.14	− 6 4.9	1.642	2.588	9.1	21.4
10 8	22 41.98	− 7 5.5	1.714	2.593	13.0	21.6

298185 2002 TW_{196} 9 7.1 25°.79 1°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.50	− 7 8.1	1.506	2.352	17.1	20.0
8 9	23 25.04	− 7 17.5	1.442	2.360	13.4	19.7
8 19	23 19.05	− 7 38.4	1.398	2.368	9.1	19.5
8 29	23 11.18	− 8 6.4	1.376	2.377	4.3	19.3
9 8	23 2.42	− 8 35.6	1.380	2.387	1.3	19.1
9 18	22 53.92	− 9 0.2	1.410	2.397	5.8	19.4
9 28	22 46.80	− 9 15.1	1.464	2.408	10.3	19.7
10 8	22 41.89	− 9 17.3	1.541	2.419	14.2	20.0

304153 2006 OU_{10} 9 7.1 217°.90 7°.0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 56.61	+ 5 23.8	1.595	2.335	20.7	21.8
8 9	23 48.09	+ 6 59.9	1.485	2.324	17.6	21.5
8 19	23 35.67	+ 8 25.4	1.394	2.310	13.8	21.2
8 29	23 19.75	+ 9 35.0	1.329	2.294	9.7	21.0
9 8	23 1.47	+10 24.4	1.292	2.277	7.1	20.8
9 18	22 42.60	+10 51.6	1.286	2.257	8.6	20.8
9 28	22 25.19	+10 59.5	1.309	2.236	12.8	21.0
10 8	22 10.90	+10 55.0	1.359	2.213	17.2	21.2

492405 2014 KB_{6} 9 7.1 40°.76 1°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.93	− 8 20.7	1.900	2.738	14.4	21.3
8 9	23 23.36	− 8 56.0	1.827	2.741	11.2	21.1
8 19	23 17.71	− 9 41.1	1.774	2.744	7.5	20.9
8 29	23 10.49	−10 31.3	1.747	2.747	3.6	20.7
9 8	23 2.50	−11 20.6	1.746	2.751	2.1	20.6
9 18	22 54.64	−12 3.3	1.773	2.754	5.6	20.8
9 28	22 47.84	−12 34.3	1.826	2.758	9.4	21.0
10 8	22 42.82	−12 50.8	1.903	2.761	12.8	21.3

196741 2003 SJ_{137} 9 7.1 345°.94 1°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.36	− 1 14.2	1.579	2.408	17.3	19.8
8 9	23 23.43	− 1 16.2	1.499	2.404	13.9	19.6
8 19	23 18.07	− 1 34.6	1.439	2.400	9.8	19.3
8 29	23 10.78	− 2 7.1	1.400	2.397	5.2	19.1
9 8	23 2.47	− 2 49.0	1.387	2.394	1.3	18.8
9 18	22 54.21	− 3 34.0	1.400	2.391	5.1	19.0
9 28	22 47.14	− 4 15.5	1.438	2.389	9.7	19.3
10 8	22 42.15	− 4 47.5	1.498	2.388	13.8	19.6

4491 Otaru 9 7.1 319°.39 1°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.71	− 0 59.2	1.300	2.135	20.0	16.8
8 9	23 27.40	− 0 50.9	1.225	2.132	16.1	16.6
8 19	23 21.09	− 1 1.4	1.167	2.130	11.4	16.3
8 29	23 12.35	− 1 28.9	1.131	2.127	6.2	16.0
9 8	23 2.30	− 2 8.2	1.119	2.125	1.8	15.7
9 18	22 52.32	− 2 52.2	1.131	2.123	5.9	16.0
9 28	22 43.87	− 3 32.9	1.167	2.121	11.2	16.3
10 8	22 38.05	− 4 3.4	1.225	2.119	15.9	16.5

509277 2006 UE_{289} 9 7.1 277°.29 4°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.24	−12 56.7	1.525	2.380	16.5	21.8
8 9	23 26.76	−13 45.1	1.443	2.366	13.0	21.5
8 19	23 20.52	−14 43.0	1.381	2.353	8.9	21.3
8 29	23 12.05	−15 43.2	1.342	2.340	5.1	21.0
9 8	23 2.33	−16 36.9	1.329	2.326	4.7	21.0
9 18	22 52.60	−17 16.1	1.341	2.312	8.4	21.1
9 28	22 44.19	−17 35.0	1.378	2.299	12.7	21.4
10 8	22 38.13	−17 31.7	1.436	2.285	16.7	21.6

52165 1099 $T\text{-}_{2}$ 9 7.1 24°.99 0°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.96	− 3 3.9	1.120	1.979	20.9	19.0
8 9	23 24.58	− 3 6.5	1.065	1.988	16.6	18.7
8 19	23 19.13	− 3 28.4	1.026	1.997	11.5	18.5
8 29	23 11.33	− 4 5.5	1.008	2.008	5.7	18.2
9 8	23 2.42	− 4 50.7	1.012	2.020	0.7	17.9
9 18	22 53.86	− 5 35.5	1.040	2.032	6.2	18.3
9 28	22 47.04	− 6 11.5	1.091	2.046	11.6	18.7
10 8	22 42.94	− 6 33.3	1.162	2.061	16.2	19.0

358826 2008 EV_{153} 9 7.1 206.°95 2.°2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.72	+ 4 25.2	2.268	3.053	14.0	21.5
8 9	23 20.58	+ 3 57.5	2.178	3.052	11.4	21.3
8 19	23 15.70	+ 3 12.8	2.108	3.051	8.3	21.1
8 29	23 9.50	+ 2 12.8	2.064	3.050	5.0	20.9
9 8	23 2.61	+ 1 1.6	2.046	3.049	2.2	20.7
9 18	22 55.76	− 0 15.4	2.057	3.047	3.9	20.8
9 28	22 49.69	− 1 31.9	2.096	3.046	7.2	21.1
10 8	22 45.05	− 2 41.9	2.161	3.045	10.4	21.3

26709 2001 FX_{158} 9 7.1 214.°16 1.°5/ 5.3 18

7 30	23 25.76	− 6 0.7	2.171	2.997	13.3	19.1
8 9	23 22.29	− 7 3.9	2.084	2.991	10.4	18.9
8 19	23 16.93	− 8 19.7	2.019	2.986	6.9	18.7
8 29	23 10.13	− 9 43.2	1.980	2.980	3.3	18.5
9 8	23 2.55	−11 8.1	1.969	2.974	1.9	18.4
9 18	22 54.98	−12 27.4	1.988	2.967	5.3	18.6
9 28	22 48.25	−13 35.0	2.034	2.960	8.9	18.8
10 8	22 43.07	−14 26.7	2.104	2.953	12.2	19.0

492389 2014 JW_3 9 7.1 239.°55 5.°6/ 1.6 18

7 30	23 30.92	−20 26.1	2.043	2.889	13.3	21.1
8 9	23 26.47	−21 18.2	1.970	2.885	10.5	20.9
8 19	23 19.83	−22 11.1	1.918	2.880	7.7	20.8
8 29	23 11.53	−22 58.0	1.893	2.874	5.8	20.6
9 8	23 2.41	−23 32.1	1.893	2.869	6.2	20.7
9 18	22 53.42	−23 48.6	1.921	2.864	8.5	20.8
9 28	22 45.55	−23 44.9	1.974	2.858	11.4	21.0
10 8	22 39.55	−23 21.3	2.049	2.852	14.1	21.1

307218 2002 GR_{74} 9 7.1 108.°27 1.°2/ 5.9 18

7 30	23 30.89	− 7 29.1	1.875	2.704	15.0	20.9
8 9	23 26.39	− 7 53.3	1.807	2.715	11.7	20.7
8 19	23 19.72	− 8 27.3	1.759	2.726	7.8	20.5
8 29	23 11.45	− 9 6.8	1.737	2.737	3.7	20.2
9 8	23 2.43	− 9 46.2	1.742	2.748	1.5	20.1
9 18	22 53.62	−10 20.2	1.774	2.758	5.3	20.4
9 28	22 45.99	−10 44.3	1.834	2.768	9.2	20.6
10 8	22 40.26	−10 55.7	1.917	2.778	12.6	20.9

157267 2004 RJ_{198} 9 7.1 31.°70 1.°4/ 6.2 18

7 30	23 33.97	− 9 40.0	1.288	2.141	19.1	19.0
8 9	23 29.63	− 9 26.1	1.232	2.153	14.9	18.7
8 19	23 22.31	− 9 20.9	1.194	2.166	10.1	18.5
8 29	23 12.78	− 9 20.2	1.179	2.180	4.8	18.3
9 8	23 2.29	− 9 18.6	1.188	2.194	1.7	18.1
9 18	22 52.27	− 9 11.4	1.223	2.210	6.5	18.5
9 28	22 44.03	− 8 55.1	1.281	2.226	11.4	18.8
10 8	22 38.49	− 8 28.0	1.362	2.243	15.5	19.1

487401 2014 QN_{339} 9 7.1 278.°60 3.°1/10.3 17

7 30	23 27.06	+ 4 27.0	2.408	3.182	13.6	21.7
8 9	23 23.14	+ 4 45.7	2.308	3.173	11.2	21.5
8 19	23 17.44	+ 4 51.2	2.230	3.164	8.4	21.3
8 29	23 10.37	+ 4 43.6	2.176	3.155	5.4	21.1
9 8	23 2.53	+ 4 24.7	2.149	3.146	3.2	21.0
9 18	22 54.66	+ 3 57.3	2.151	3.137	4.2	21.0
9 28	22 47.53	+ 3 25.5	2.180	3.128	7.1	21.2
10 8	22 41.81	+ 2 54.0	2.235	3.119	10.1	21.4

522808 2016 NL_{80} 9 7.1 295.°62 3.°5/ 3.8 18

7 30	23 24.91	− 9 25.0	1.540	2.397	16.3	21.3
8 9	23 22.56	−10 37.9	1.454	2.380	12.7	21.0
8 19	23 17.67	−12 6.5	1.388	2.362	8.6	20.8
8 29	23 10.69	−13 43.3	1.346	2.345	4.6	20.5
9 8	23 2.50	−15 18.5	1.329	2.328	4.2	20.4
9 18	22 54.21	−16 41.7	1.338	2.312	8.1	20.6
9 28	22 47.08	−17 44.5	1.372	2.295	12.6	20.8
10 8	22 42.10	−18 22.2	1.426	2.279	16.6	21.0

378249 2007 DK_4 9 7.1 232.°58 1.°0/ 8.0 17

7 30	23 29.77	− 0 12.3	2.173	2.970	14.2	22.9
8 9	23 25.53	− 0 35.8	2.069	2.954	11.5	22.6
8 19	23 19.24	− 1 14.3	1.985	2.938	8.1	22.4
8 29	23 11.32	− 2 5.5	1.927	2.921	4.3	22.1
9 8	23 2.44	− 3 5.2	1.897	2.904	1.0	21.9
9 18	22 53.45	− 4 8.0	1.896	2.885	4.3	22.1
9 28	22 45.28	− 5 7.7	1.923	2.866	8.3	22.3
10 8	22 38.72	− 5 58.9	1.976	2.846	11.9	22.5

56989 2000 SS_{242} 9 7.1 75.°98 1.°7/ 5.3 18

7 30	23 26.84	− 8 16.2	2.033	2.867	13.8	19.5
8 9	23 23.11	− 8 54.0	1.963	2.875	10.7	19.3
8 19	23 17.45	− 9 40.9	1.914	2.883	7.1	19.1
8 29	23 10.35	−10 32.5	1.891	2.891	3.4	18.9
9 8	23 2.57	−11 23.0	1.894	2.899	2.0	18.8
9 18	22 54.94	−12 7.0	1.926	2.907	5.3	19.1
9 28	22 48.31	−12 39.9	1.985	2.915	8.9	19.3
10 8	22 43.35	−12 58.9	2.067	2.923	12.1	19.5

23860 1998 RU_{56} 9 7.1 223.°96 1.°3/ 8.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.69	+ 0 23.8	2.043	2.848	14.8	18.5
8 9	23 23.12	+ 0 5.0	1.954	2.844	11.8	18.3
8 19	23 17.57	− 0 29.2	1.886	2.840	8.4	18.1
8 29	23 10.47	− 1 16.4	1.842	2.835	4.5	17.9
9 8	23 2.55	− 2 12.4	1.824	2.831	1.3	17.6
9 18	22 54.65	− 3 11.7	1.835	2.826	4.3	17.9
9 28	22 47.65	− 4 8.1	1.874	2.821	8.1	18.1
10 8	22 42.30	− 4 56.3	1.937	2.816	11.7	18.3

25950 2001 EU_{16} 9 7.1 103.°10 0.°2/ 7.2 18

7 30	23 29.84	− 3 21.8	2.000	2.813	14.7	19.6
8 9	23 25.40	− 3 40.4	1.931	2.829	11.6	19.4
8 19	23 18.97	− 4 11.1	1.883	2.844	7.9	19.2
8 29	23 11.07	− 4 50.5	1.861	2.859	3.9	19.0
9 8	23 2.50	− 5 34.0	1.866	2.873	0.4	18.7
9 18	22 54.14	− 6 16.3	1.899	2.888	4.4	19.1
9 28	22 46.85	− 6 52.5	1.960	2.902	8.2	19.3
10 8	22 41.32	− 7 18.9	2.046	2.915	11.6	19.6

128917 2004 TY_{58} 9 7.1 118.°43 2.°9/10.4 17

7 30	23 27.49	+ 7 1.2	2.051	2.823	15.8	19.8
8 9	23 23.58	+ 6 28.3	1.976	2.839	12.9	19.6
8 19	23 17.75	+ 5 35.2	1.921	2.855	9.5	19.4
8 29	23 10.49	+ 4 23.8	1.890	2.871	5.9	19.2
9 8	23 2.56	+ 2 59.0	1.886	2.886	3.0	19.1
9 18	22 54.79	+ 1 27.2	1.911	2.901	4.3	19.2
9 28	22 48.03	− 0 3.7	1.965	2.915	7.6	19.4
10 8	22 42.92	− 1 27.0	2.044	2.928	10.9	19.7

139092 2001 FU_{32} 9 7.1 272.°96 11.°5/18.5 18

7 30	23 27.68	+25 42.8	1.899	2.557	20.2	19.8
8 9	23 24.75	+26 27.6	1.780	2.528	18.6	19.6
8 19	23 19.28	+26 44.5	1.674	2.498	16.5	19.4
8 29	23 11.59	+26 26.7	1.586	2.467	14.3	19.2
9 8	23 2.42	+25 29.9	1.517	2.435	12.4	19.0
9 18	22 52.81	+23 53.7	1.472	2.403	11.5	18.8
9 28	22 44.05	+21 43.6	1.451	2.370	12.3	18.8
10 8	22 37.28	+19 10.9	1.454	2.337	14.6	18.9

405737 2005 YD_{26} 9 7.1 32.°27 7.°1/14.1 17

7 30	23 28.18	+14 13.4	2.116	2.842	16.6	20.4
8 9	23 24.28	+15 9.5	2.033	2.848	14.4	20.2
8 19	23 18.36	+15 46.6	1.967	2.853	11.9	20.1
8 29	23 10.87	+16 2.3	1.924	2.859	9.3	19.9
9 8	23 2.53	+15 56.3	1.905	2.865	7.5	19.8
9 18	22 54.22	+15 30.5	1.911	2.872	7.2	19.8
9 28	22 46.84	+14 49.7	1.944	2.878	8.8	19.9
10 8	22 41.14	+14 0.4	2.002	2.885	11.1	20.1

316987 2001 LU 9 7.1 58.°15 5.°7/31.2 18

7 30	23 25.64	−20 34.8	2.180	3.033	12.3	20.4
8 9	23 22.08	−21 56.0	2.131	3.050	9.7	20.3
8 19	23 16.67	−23 17.3	2.106	3.067	7.2	20.2
8 29	23 9.95	−24 31.5	2.107	3.084	5.8	20.1
9 8	23 2.64	−25 31.9	2.135	3.101	6.3	20.2
9 18	22 55.56	−26 13.9	2.189	3.119	8.4	20.4
9 28	22 49.48	−26 35.1	2.268	3.136	10.8	20.5
10 8	22 45.02	−26 35.5	2.369	3.154	13.0	20.7

128705 2004 RE_{104} 9 7.1 36.°85 3.°6/10.8 18

7 30	23 25.57	+ 6 2.2	2.089	2.868	15.3	19.2
8 9	23 22.15	+ 6 12.1	2.007	2.873	12.6	19.1
8 19	23 16.84	+ 6 5.0	1.945	2.878	9.5	18.9
8 29	23 10.10	+ 5 41.5	1.906	2.883	6.2	18.7
9 8	23 2.62	+ 5 4.1	1.893	2.889	3.8	18.5
9 18	22 55.22	+ 4 17.0	1.907	2.894	4.6	18.6
9 28	22 48.72	+ 3 25.7	1.949	2.900	7.6	18.8
10 8	22 43.81	+ 2 36.2	2.015	2.906	10.7	19.0

521737 2015 RK_{271} 9 7.1 219.°82 0.°7/ 6.3 18

7 30	23 28.82	− 7 9.4	2.457	3.272	12.2	21.6
8 9	23 24.39	− 7 21.2	2.367	3.268	9.6	21.4
8 19	23 18.22	− 7 40.6	2.300	3.263	6.5	21.2
8 29	23 10.73	− 8 4.6	2.259	3.258	3.1	20.9
9 8	23 2.56	− 8 29.6	2.247	3.253	0.9	20.8
9 18	22 54.43	− 8 51.9	2.263	3.248	4.3	21.0
9 28	22 47.11	− 9 8.0	2.308	3.243	7.6	21.2
10 8	22 41.22	− 9 15.4	2.379	3.237	10.6	21.4

520235 2014 DU_{153} 9 7.1 10.°50 0.°6/ 6.6 18

7 30	23 27.34	− 5 51.3	1.666	2.504	16.1	20.9
8 9	23 24.01	− 6 6.0	1.592	2.505	12.7	20.7
8 19	23 18.34	− 6 32.8	1.539	2.507	8.6	20.4
8 29	23 10.89	− 7 7.9	1.509	2.509	4.1	20.2
9 8	23 2.54	− 7 45.8	1.505	2.512	0.9	19.9
9 18	22 54.33	− 8 20.5	1.527	2.515	5.4	20.3
9 28	22 47.32	− 8 46.5	1.575	2.518	9.7	20.5
10 8	22 42.31	− 9 0.2	1.646	2.522	13.5	20.8

254976 2005 SN_{250} 9 7.1 298°.50 5°.2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.40	−19 22.0	2.025	2.871	13.3	20.4
8 9	23 26.16	−20 0.9	1.941	2.858	10.6	20.2
8 19	23 19.71	−20 41.2	1.880	2.844	7.7	20.0
8 29	23 11.54	−21 16.6	1.844	2.831	5.5	19.8
9 8	23 2.48	−21 40.7	1.835	2.817	5.7	19.8
9 18	22 53.48	−21 48.8	1.853	2.804	8.1	19.9
9 28	22 45.55	−21 38.2	1.896	2.791	11.2	20.1
10 8	22 39.48	−21 8.9	1.961	2.778	14.1	20.3

448666 2010 VU_{178} 9 7.1 340°.45 2°.4/ 4.8 18

7 30	23 25.63	−10 21.3	1.878	2.724	14.3	21.2
8 9	23 22.48	−10 54.7	1.799	2.718	11.1	20.9
8 19	23 17.22	−11 36.7	1.741	2.712	7.5	20.7
8 29	23 10.34	−12 22.3	1.707	2.707	3.8	20.5
9 8	23 2.61	−13 5.5	1.700	2.702	2.8	20.4
9 18	22 54.95	−13 40.4	1.719	2.698	6.1	20.6
9 28	22 48.32	−14 2.6	1.765	2.694	9.9	20.8
10 8	22 43.47	−14 9.3	1.833	2.690	13.3	21.0

75392 1999 XD_{97} 9 7.1 234°.88 1°.7/ 5.6 18

7 30	23 30.84	− 7 40.3	1.744	2.578	15.7	20.3
8 9	23 26.82	− 8 13.5	1.657	2.569	12.3	20.1
8 19	23 20.35	− 8 58.7	1.591	2.559	8.4	19.8
8 29	23 11.94	− 9 51.0	1.549	2.549	4.0	19.6
9 8	23 2.44	−10 44.0	1.534	2.539	2.0	19.4
9 18	22 52.94	−11 30.8	1.546	2.528	6.1	19.6
9 28	22 44.58	−12 5.4	1.585	2.517	10.5	19.9
10 8	22 38.27	−12 24.1	1.646	2.506	14.4	20.1

476763 2008 UP_{90} 9 7.1 332°.85 21°.4/ 8.9 17

7 30	23 38.40	+23 0.8	1.322	2.024	25.9	19.3
8 9	23 35.21	+27 10.8	1.225	1.991	24.5	19.1
8 19	23 28.04	+31 13.5	1.145	1.960	23.1	18.9
8 29	23 16.72	+34 53.6	1.083	1.930	22.0	18.7
9 8	23 1.88	+37 54.1	1.040	1.901	21.4	18.5
9 18	22 45.06	+40 0.6	1.016	1.875	21.8	18.5
9 28	22 28.77	+41 7.1	1.010	1.850	23.0	18.5
10 8	22 15.61	+41 20.1	1.018	1.827	24.8	18.5

143825 2003 WK_{147} 9 7.1 333°.56 3°.5/ 9.8 18

7 30	23 23.35	+ 4 36.3	1.273	2.102	20.7	19.7
8 9	23 21.73	+ 4 30.9	1.194	2.093	17.0	19.4
8 19	23 17.32	+ 3 58.8	1.131	2.086	12.6	19.1
8 29	23 10.61	+ 3 0.4	1.089	2.079	7.7	18.8
9 8	23 2.60	+ 1 40.9	1.069	2.072	3.6	18.6
9 18	22 54.57	+ 0 9.5	1.073	2.066	5.9	18.7
9 28	22 47.90	− 1 22.1	1.101	2.061	10.9	19.0
10 8	22 43.68	− 2 43.0	1.150	2.057	15.7	19.2

509245 2006 TJ_{126} 9 7.1 303°.40 0°.4/ 6.8 18

7 30	23 24.57	− 2 54.0	1.378	2.225	18.4	21.7
8 9	23 22.68	− 3 28.8	1.284	2.202	14.7	21.4
8 19	23 18.02	− 4 24.8	1.209	2.179	10.2	21.1
8 29	23 11.02	− 5 38.5	1.156	2.156	5.0	20.7
9 8	23 2.56	− 7 2.4	1.126	2.133	0.8	20.3
9 18	22 53.86	− 8 26.5	1.122	2.111	6.5	20.7
9 28	22 46.36	− 9 40.2	1.141	2.089	12.0	20.9
10 8	22 41.21	−10 35.2	1.181	2.068	16.9	21.1

38864 2000 SZ_{108} 9 7.1 301°.87 1°.3/ 6.0 18

7 30	23 27.24	− 6 39.5	1.584	2.428	16.5	18.9
8 9	23 24.32	− 7 5.1	1.494	2.411	13.1	18.6
8 19	23 18.85	− 7 44.5	1.423	2.394	8.9	18.4
8 29	23 11.30	− 8 33.2	1.376	2.377	4.3	18.1
9 8	23 2.54	− 9 24.9	1.354	2.360	1.6	17.8
9 18	22 53.69	−10 12.1	1.358	2.344	6.3	18.1
9 28	22 45.98	−10 48.0	1.387	2.328	11.0	18.3
10 8	22 40.40	−11 8.0	1.438	2.312	15.3	18.6

26078 1979 MP_{6} 9 7.1 1°.83 2°.9/ 9.8 18

7 30	23 27.00	+ 3 27.1	1.835	2.633	16.4	18.6
8 9	23 23.60	+ 3 33.3	1.752	2.633	13.4	18.4
8 19	23 18.02	+ 3 22.2	1.688	2.633	9.9	18.2
8 29	23 10.76	+ 2 54.5	1.647	2.633	6.0	18.0
9 8	23 2.61	+ 2 13.6	1.632	2.633	3.1	17.8
9 18	22 54.50	+ 1 24.4	1.643	2.634	4.7	17.9
9 28	22 47.43	+ 0 33.4	1.682	2.634	8.5	18.1
10 8	22 42.19	− 0 13.2	1.744	2.635	12.1	18.3

26247 Doleonardi 9 7.1 352°.34 1°.8/ 8.3 18

7 30	23 25.09	− 1 0.5	1.184	2.035	20.5	18.3
8 9	23 23.24	− 0 49.9	1.112	2.029	16.5	18.1
8 19	23 18.39	− 0 59.3	1.058	2.025	11.8	17.8
8 29	23 11.14	− 1 27.1	1.024	2.021	6.4	17.5
9 8	23 2.57	− 2 7.7	1.012	2.018	1.9	17.2
9 18	22 54.07	− 2 53.6	1.024	2.017	6.0	17.4
9 28	22 47.11	− 3 35.9	1.058	2.017	11.4	17.7
10 8	22 42.77	− 4 7.2	1.113	2.017	16.3	18.0

71936 2000 WW_{67} 9 7.1 177°.91 6°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.62	−22 25.9	2.027	2.870	13.5	18.8
8 9	23 28.58	−23 21.3	1.960	2.871	10.8	18.6
8 19	23 21.26	−24 15.7	1.916	2.872	8.1	18.5
8 29	23 12.27	−25 1.7	1.897	2.872	6.4	18.4
9 8	23 2.47	−25 32.6	1.904	2.872	6.8	18.4
9 18	22 52.89	−25 43.8	1.939	2.872	9.0	18.5
9 28	22 44.52	−25 33.4	1.998	2.872	11.8	18.7
10 8	22 38.14	−25 2.5	2.079	2.871	14.3	18.9

316797 1999 TE_{259} 9 7.1 279°.11 6°.5/31.7 18

7 30	23 33.22	−25 17.1	2.258	3.096	12.4	20.5
8 9	23 28.16	−25 59.0	2.179	3.083	10.1	20.3
8 19	23 20.96	−26 37.8	2.122	3.071	7.9	20.1
8 29	23 12.13	−27 6.9	2.090	3.058	6.6	20.0
9 8	23 2.49	−27 20.6	2.085	3.045	7.0	20.0
9 18	22 52.96	−27 14.9	2.107	3.032	9.0	20.1
9 28	22 44.51	−26 48.5	2.155	3.018	11.4	20.3
10 8	22 37.89	−26 2.5	2.225	3.005	13.8	20.4

81084 2000 EY_{89} 9 7.1 246°.99 1°.9/ 5.6 18

7 30	23 31.96	− 9 1.5	1.662	2.501	16.2	19.9
8 9	23 27.79	− 9 23.5	1.579	2.493	12.7	19.6
8 19	23 21.07	− 9 55.7	1.517	2.486	8.6	19.4
8 29	23 12.31	−10 33.3	1.479	2.479	4.2	19.1
9 8	23 2.46	−11 9.9	1.466	2.471	2.3	19.0
9 18	22 52.65	−11 39.4	1.481	2.463	6.4	19.2
9 28	22 44.09	−11 56.6	1.521	2.455	10.8	19.4
10 8	22 37.70	−11 58.5	1.584	2.447	14.7	19.7

89886 2002 CT_{230} 9 7.1 282°.33 2°.1/11.3 17

7 30	23 18.40	+ 7 1.3	4.437	5.181	8.3	20.1
8 9	23 15.58	+ 6 53.1	4.333	5.176	6.8	20.0
8 19	23 11.90	+ 6 35.9	4.252	5.171	5.2	19.8
8 29	23 7.59	+ 6 10.3	4.197	5.166	3.5	19.7
9 8	23 2.96	+ 5 37.8	4.170	5.162	2.2	19.6
9 18	22 58.33	+ 5 0.3	4.173	5.157	2.5	19.6
9 28	22 54.05	+ 4 20.2	4.205	5.152	4.0	19.7
10 8	22 50.45	+ 3 40.0	4.265	5.147	5.7	19.9

398048 2009 FM_{40} 9 7.1 208°.60 3°.4/ 3.1 18

7 30	23 29.52	−14 57.3	2.510	3.341	11.5	22.5
8 9	23 24.97	−15 47.4	2.424	3.335	9.0	22.3
8 19	23 18.65	−16 41.8	2.363	3.328	6.2	22.2
8 29	23 10.99	−17 35.6	2.328	3.320	3.9	22.0
9 8	23 2.61	−18 23.2	2.322	3.312	3.8	22.0
9 18	22 54.27	−19 0.1	2.344	3.303	6.2	22.1
9 28	22 46.74	−19 22.9	2.395	3.294	9.0	22.3
10 8	22 40.67	−19 30.1	2.469	3.284	11.7	22.5

16590 Brunowalter 9 7.1 91°.99 4°.6/ 3.7 18

7 30	23 35.96	−16 53.2	1.694	2.538	15.6	17.8
8 9	23 30.60	−17 22.5	1.634	2.550	12.2	17.6
8 19	23 22.70	−17 54.2	1.595	2.561	8.5	17.4
8 29	23 12.96	−18 21.4	1.580	2.573	5.3	17.3
9 8	23 2.42	−18 37.7	1.593	2.584	5.0	17.3
9 18	22 52.27	−18 38.7	1.632	2.596	7.9	17.5
9 28	22 43.61	−18 22.1	1.696	2.607	11.4	17.7
10 8	22 37.24	−17 48.7	1.784	2.618	14.6	18.0

400437 2008 DQ_{60} 9 7.1 338°.43 1°.3/ 5.8 18

7 30	23 26.31	− 7 25.7	1.865	2.703	14.7	20.8
8 9	23 23.02	− 7 52.6	1.784	2.698	11.5	20.6
8 19	23 17.61	− 8 30.2	1.725	2.694	7.7	20.4
8 29	23 10.56	− 9 14.1	1.690	2.691	3.7	20.1
9 8	23 2.66	− 9 58.8	1.681	2.687	1.6	20.0
9 18	22 54.82	−10 38.4	1.700	2.684	5.5	20.2
9 28	22 48.02	−11 7.9	1.745	2.681	9.4	20.5
10 8	22 43.01	−11 23.8	1.813	2.679	13.0	20.7

159806 2003 SG_{51} 9 7.1 150°.78 5°.0/ 1.6 18

7 30	23 30.62	−22 6.1	2.536	3.373	11.3	19.9
8 9	23 25.73	−22 45.2	2.467	3.375	9.0	19.7
8 19	23 19.08	−23 23.1	2.422	3.378	6.7	19.6
8 29	23 11.14	−23 54.3	2.403	3.380	5.1	19.5
9 8	23 2.61	−24 14.1	2.412	3.382	5.4	19.5
9 18	22 54.26	−24 19.2	2.448	3.384	7.3	19.6
9 28	22 46.85	−24 8.1	2.511	3.386	9.6	19.8
10 8	22 40.97	−23 41.1	2.598	3.388	11.8	19.9

261664 2005 YL_{131} 9 7.1 226°.90 0°.1/ 7.2 18

7 30	23 25.69	− 3 31.7	2.608	3.414	11.9	21.9
8 9	23 21.90	− 3 53.6	2.513	3.408	9.4	21.7
8 19	23 16.52	− 4 25.4	2.442	3.401	6.4	21.5
8 29	23 9.95	− 5 4.6	2.397	3.394	3.2	21.3
9 8	23 2.73	− 5 47.6	2.380	3.387	0.3	21.0
9 18	22 55.52	− 6 30.3	2.392	3.380	3.7	21.3
9 28	22 49.00	− 7 8.6	2.433	3.372	7.0	21.5
10 8	22 43.76	− 7 39.1	2.500	3.365	9.9	21.7

289025 2004 TX_{119} 9 7.1 269°.66 6°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.81	+13 0.4	1.896	2.643	17.7	20.8
8 9	23 23.66	+13 26.9	1.794	2.628	15.3	20.6
8 19	23 18.25	+13 31.2	1.709	2.612	12.4	20.4
8 29	23 10.99	+13 10.9	1.645	2.597	9.3	20.2
9 8	23 2.61	+12 26.3	1.605	2.581	7.0	20.0
9 18	22 54.07	+11 20.8	1.591	2.565	6.9	20.0
9 28	22 46.43	+10 1.0	1.602	2.550	9.3	20.1
10 8	22 40.61	+ 8 36.0	1.639	2.533	12.5	20.2

66458 Romaplanetario 9 7.1 343°.90 0°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.67	− 0 25.9	0.950	1.841	21.2	18.0
8 9	23 10.03	− 0 56.9	0.869	1.811	17.1	17.6
8 19	23 9.71	− 1 59.9	0.803	1.783	12.1	17.2
8 29	23 7.07	− 3 32.6	0.756	1.758	6.2	16.8
9 8	23 3.00	− 5 25.8	0.729	1.736	0.6	16.3
9 18	22 58.81	− 7 25.1	0.722	1.717	7.1	16.7
9 28	22 56.02	− 9 13.0	0.734	1.701	13.5	17.0
10 8	22 55.90	−10 35.4	0.764	1.688	19.3	17.2

443598 2014 KY_{94} 9 7.1 205°.89 4°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.10	−16 2.7	2.204	3.051	12.4	21.9
8 9	23 22.57	−17 21.8	2.130	3.049	9.7	21.7
8 19	23 17.16	−18 46.1	2.080	3.047	6.8	21.5
8 29	23 10.30	−20 8.8	2.056	3.044	4.7	21.4
9 8	23 2.70	−21 22.6	2.059	3.041	5.1	21.4
9 18	22 55.17	−22 21.6	2.090	3.038	7.6	21.6
9 28	22 48.53	−23 1.6	2.147	3.035	10.4	21.7
10 8	22 43.47	−23 21.1	2.227	3.032	13.1	21.9

366229 2012 UT_{85} 9 7.1 181°.63 4°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.28	+11 15.2	2.271	3.012	15.3	21.4
8 9	23 23.44	+11 21.7	2.178	3.012	12.9	21.2
8 19	23 17.73	+11 9.0	2.105	3.013	10.2	21.1
8 29	23 10.59	+10 36.7	2.054	3.013	7.3	20.9
9 8	23 2.68	+ 9 46.7	2.029	3.012	5.1	20.8
9 18	22 54.77	+ 8 42.7	2.032	3.011	5.3	20.8
9 28	22 47.70	+ 7 30.7	2.063	3.010	7.6	20.9
10 8	22 42.16	+ 6 17.5	2.120	3.008	10.4	21.1

346492 2008 UJ_{67} 9 7.1 17°.24 1°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.68	− 1 29.3	1.329	2.171	19.2	20.1
8 9	23 24.02	− 1 22.8	1.264	2.176	15.4	19.8
8 19	23 18.64	− 1 34.1	1.217	2.181	10.8	19.6
8 29	23 11.15	− 2 0.9	1.191	2.188	5.7	19.3
9 8	23 2.63	− 2 37.7	1.189	2.196	1.5	19.1
9 18	22 54.31	− 3 17.7	1.212	2.204	5.5	19.4
9 28	22 47.46	− 3 53.7	1.259	2.214	10.4	19.7
10 8	22 42.99	− 4 19.5	1.327	2.224	14.7	20.0

46095 Frédérickoby 9 7.1 103°.45 4°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.36	−17 51.4	2.378	3.223	11.7	19.6
8 9	23 22.54	−18 54.8	2.314	3.230	9.1	19.5
8 19	23 16.98	−20 0.4	2.273	3.238	6.5	19.3
8 29	23 10.16	−21 2.3	2.259	3.245	4.6	19.2
9 8	23 2.74	−21 54.7	2.273	3.252	5.0	19.3
9 18	22 55.46	−22 33.0	2.314	3.259	7.1	19.4
9 28	22 49.07	−22 54.3	2.381	3.266	9.6	19.6
10 8	22 44.17	−22 58.0	2.471	3.273	12.0	19.8

433425 2013 TO_{81} 9 7.1 346°.97 0°.7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.64	− 6 38.3	0.989	1.872	21.2	20.2
8 9	23 21.90	− 6 32.5	0.920	1.859	16.9	19.9
8 19	23 17.83	− 6 42.8	0.868	1.847	11.6	19.5
8 29	23 11.01	− 7 5.2	0.835	1.837	5.6	19.2
9 8	23 2.64	− 7 32.5	0.822	1.829	1.2	18.9
9 18	22 54.30	− 7 56.2	0.831	1.823	7.4	19.2
9 28	22 47.71	− 8 8.3	0.860	1.819	13.4	19.5
10 8	22 44.08	− 8 3.9	0.907	1.816	18.6	19.8

271997 2005 CL_{38} 9 7.1 283°.11 11°.8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.29	+33 30.6	2.733	3.278	16.5	20.5
8 9	23 25.37	+34 57.3	2.618	3.254	15.5	20.4
8 19	23 19.35	+36 4.4	2.517	3.230	14.5	20.3
8 29	23 11.56	+36 46.8	2.433	3.206	13.4	20.1
9 8	23 2.58	+37 0.7	2.367	3.182	12.4	20.0
9 18	22 53.24	+36 44.3	2.323	3.157	11.9	19.9
9 28	22 44.50	+35 58.9	2.301	3.133	12.0	19.9
10 8	22 37.27	+34 49.5	2.301	3.108	12.6	19.9

447297 2005 WM_{78} 9 7.1 19°.26 7°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.12	−24 13.3	2.014	2.867	13.1	20.4
8 9	23 24.34	−25 23.3	1.955	2.869	10.6	20.2
8 19	23 18.42	−26 31.3	1.918	2.872	8.3	20.1
8 29	23 10.92	−27 29.4	1.906	2.874	7.1	20.0
9 8	23 2.67	−28 10.6	1.920	2.877	7.7	20.1
9 18	22 54.63	−28 30.4	1.960	2.880	9.7	20.2
9 28	22 47.73	−28 26.7	2.023	2.883	12.2	20.4
10 8	22 42.68	−28 0.8	2.107	2.887	14.5	20.5

68236 2001 DZ_{39} 9 7.1 262°.44 0°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.14	− 0 7.8	1.885	2.698	15.5	20.2
8 9	23 22.97	− 0 35.0	1.793	2.688	12.4	20.0
8 19	23 17.66	− 1 19.2	1.721	2.678	8.7	19.7
8 29	23 10.65	− 2 17.7	1.673	2.668	4.6	19.4
9 8	23 2.69	− 3 25.6	1.651	2.658	0.9	19.2
9 18	22 54.69	− 4 36.2	1.657	2.648	4.6	19.4
9 28	22 47.64	− 5 42.2	1.690	2.637	8.9	19.6
10 8	22 42.35	− 6 37.7	1.747	2.627	12.7	19.9

510627 2012 TX_{169} 9 7.1 341°.34 9°.3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.95	−24 48.1	1.254	2.128	18.2	19.9
8 9	23 28.79	−25 30.5	1.187	2.114	14.9	19.6
8 19	23 22.26	−26 9.0	1.139	2.102	11.6	19.4
8 29	23 13.04	−26 32.6	1.112	2.090	9.5	19.3
9 8	23 2.46	−26 31.2	1.107	2.080	9.9	19.3
9 18	22 52.13	−25 59.1	1.124	2.071	12.7	19.4
9 28	22 43.67	−24 55.8	1.163	2.063	16.3	19.6
10 8	22 38.18	−23 25.6	1.220	2.056	19.9	19.8

46280 Hollar 9 7.1 285°.65 6°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.53	+14 10.7	1.952	2.691	17.5	18.7
8 9	23 22.59	+14 39.2	1.849	2.676	15.2	18.5
8 19	23 17.49	+14 45.5	1.765	2.661	12.4	18.3
8 29	23 10.62	+14 27.1	1.701	2.647	9.6	18.1
9 8	23 2.70	+13 44.1	1.661	2.632	7.3	17.9
9 18	22 54.63	+12 39.5	1.646	2.617	7.1	17.9
9 28	22 47.43	+11 19.9	1.657	2.603	9.2	18.0
10 8	22 41.99	+ 9 53.9	1.693	2.588	12.2	18.1

363704 2004 TG_{333} 9 7.1 28°.54 5°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.71	−19 36.6	2.168	3.015	12.6	20.1
8 9	23 24.57	−20 22.8	2.101	3.017	9.9	20.0
8 19	23 18.46	−21 9.8	2.056	3.019	7.2	19.8
8 29	23 10.91	−21 51.4	2.037	3.022	5.2	19.7
9 8	23 2.69	−22 22.0	2.045	3.024	5.5	19.7
9 18	22 54.64	−22 37.2	2.080	3.027	7.7	19.8
9 28	22 47.61	−22 34.8	2.141	3.030	10.4	20.0
10 8	22 42.29	−22 14.7	2.224	3.033	13.0	20.2

223402 2003 SN_{130} 9 7.1 46°.75 8°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.45	+18 13.3	2.277	2.959	16.7	20.0
8 9	23 28.40	+19 41.8	2.191	2.965	14.8	19.9
8 19	23 21.22	+20 52.2	2.124	2.972	12.6	19.7
8 29	23 12.36	+21 40.6	2.079	2.979	10.6	19.6
9 8	23 2.54	+22 5.1	2.058	2.986	9.1	19.6
9 18	22 52.67	+22 5.7	2.063	2.994	8.7	19.5
9 28	22 43.71	+21 45.9	2.094	3.001	9.7	19.6
10 8	22 36.48	+21 11.7	2.149	3.009	11.5	19.8

1143 Odysseus 9 7.1 257°.18 0°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.62	− 1 2.9	4.624	5.410	7.4	15.5
8 9	23 15.71	− 1 18.9	4.524	5.403	5.8	15.3
8 19	23 11.98	− 1 41.1	4.447	5.397	4.1	15.2
8 29	23 7.65	− 2 8.2	4.398	5.391	2.2	15.1
9 8	23 3.02	− 2 38.6	4.378	5.385	0.6	14.9
9 18	22 58.39	− 3 10.2	4.389	5.378	2.1	15.0
9 28	22 54.11	− 3 40.9	4.429	5.372	4.0	15.2
10 8	22 50.46	− 4 8.6	4.497	5.365	5.8	15.3

352231 2007 TL_{78} 9 7.1 295°.10 1°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.55	− 7 5.7	1.802	2.636	15.2	21.0
8 9	23 25.07	− 7 21.8	1.705	2.617	12.1	20.8
8 19	23 19.23	− 7 49.1	1.629	2.597	8.2	20.5
8 29	23 11.48	− 8 23.8	1.577	2.578	4.0	20.2
9 8	23 2.62	− 9 0.6	1.552	2.558	1.4	20.0
9 18	22 53.66	− 9 33.8	1.553	2.539	5.6	20.2
9 28	22 45.69	− 9 57.8	1.580	2.520	10.0	20.4
10 8	22 39.65	−10 8.9	1.631	2.500	14.0	20.7

400708 2009 RY_{52} 9 7.1 21°.54 1°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.58	− 6 46.5	1.853	2.693	14.7	20.5
8 9	23 21.59	− 7 17.0	1.784	2.699	11.4	20.3
8 19	23 16.57	− 7 58.4	1.737	2.707	7.7	20.1
8 29	23 10.04	− 8 46.4	1.714	2.715	3.6	19.9
9 8	23 2.79	− 9 35.0	1.717	2.723	1.5	19.7
9 18	22 55.70	−10 18.5	1.747	2.732	5.2	20.0
9 28	22 49.66	−10 51.9	1.804	2.742	9.1	20.3
10 8	22 45.36	−11 11.9	1.884	2.752	12.5	20.5

483280 2015 TB_{257} 9 7.1 185°.63 0°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.64	− 0 19.4	2.540	3.337	12.4	21.7
8 9	23 21.12	− 0 45.0	2.450	3.337	9.9	21.5
8 19	23 16.01	− 1 22.9	2.383	3.337	6.9	21.3
8 29	23 9.73	− 2 10.7	2.342	3.336	3.6	21.1
9 8	23 2.83	− 3 4.7	2.329	3.336	0.8	20.9
9 18	22 55.97	− 4 0.4	2.345	3.335	3.5	21.1
9 28	22 49.83	− 4 53.0	2.389	3.334	6.8	21.3
10 8	22 44.97	− 5 38.4	2.460	3.333	9.7	21.5

158385 2001 XV_{235} 9 7.1 106°.10 1°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.33	− 7 17.5	2.140	2.967	13.4	20.2
8 9	23 23.48	− 7 46.9	2.063	2.971	10.5	20.0
8 19	23 17.74	− 8 25.6	2.008	2.975	7.0	19.8
8 29	23 10.59	− 9 9.7	1.979	2.979	3.3	19.6
9 8	23 2.75	− 9 54.1	1.977	2.983	1.5	19.4
9 18	22 55.03	−10 33.8	2.004	2.987	4.9	19.7
9 28	22 48.24	−11 4.5	2.058	2.991	8.4	19.9
10 8	22 43.04	−11 23.1	2.136	2.995	11.6	20.1

475291 2005 XE_{19} 9 7.1 293°.18 0°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.59	− 5 22.6	1.585	2.423	16.8	21.3
8 9	23 25.45	− 5 38.7	1.491	2.404	13.4	21.0
8 19	23 19.71	− 6 9.1	1.417	2.385	9.2	20.8
8 29	23 11.81	− 6 50.1	1.366	2.366	4.5	20.4
9 8	23 2.63	− 7 36.0	1.340	2.347	0.9	20.1
9 18	22 53.31	− 8 19.9	1.340	2.328	5.9	20.4
9 28	22 45.11	− 8 54.8	1.365	2.309	10.8	20.7
10 8	22 39.09	− 9 15.8	1.413	2.291	15.2	20.9

443864 2001 SL_{267} 9 7.1 317°.30 4°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.63	+ 9 23.6	1.861	2.639	16.9	21.0
8 9	23 19.53	+ 9 1.8	1.764	2.627	14.2	20.7
8 19	23 15.37	+ 8 15.6	1.685	2.616	10.9	20.5
8 29	23 9.58	+ 7 5.1	1.629	2.604	7.3	20.3
9 8	23 2.86	+ 5 34.0	1.598	2.593	4.4	20.1
9 18	22 56.08	+ 3 49.0	1.594	2.583	5.0	20.1
9 28	22 50.20	+ 1 59.3	1.616	2.572	8.4	20.3
10 8	22 46.01	+ 0 14.4	1.664	2.563	12.1	20.5

159098 2004 TA_{333} 9 7.1 248°.72 2°.2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.58	+ 3 41.0	2.518	3.298	12.9	20.6
8 9	23 21.16	+ 3 30.0	2.419	3.290	10.6	20.4
8 19	23 16.12	+ 3 4.8	2.342	3.282	7.7	20.2
8 29	23 9.83	+ 2 26.6	2.289	3.274	4.7	20.0
9 8	23 2.87	+ 1 38.5	2.264	3.266	2.3	19.8
9 18	22 55.88	+ 0 44.2	2.268	3.258	3.7	19.9
9 28	22 49.58	− 0 11.2	2.300	3.249	6.7	20.1
10 8	22 44.58	− 1 2.8	2.359	3.241	9.7	20.3

73829 1996 AT_{12} 9 7.1 331°.09 0°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.79	− 1 43.0	1.450	2.298	17.6	18.6
8 9	23 18.65	− 2 48.5	1.364	2.283	13.9	18.4
8 19	23 15.09	− 4 17.8	1.297	2.268	9.5	18.1
8 29	23 9.55	− 6 5.9	1.253	2.254	4.6	17.8
9 8	23 2.88	− 8 3.4	1.235	2.242	1.1	17.5
9 18	22 56.15	− 9 58.7	1.241	2.229	6.3	17.8
9 28	22 50.54	−11 40.3	1.273	2.218	11.3	18.1
10 8	22 47.01	−12 59.6	1.326	2.208	15.8	18.3

13052 Las Casas 9 7.1 133°.07 2°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.06	− 9 49.6	1.874	2.712	14.6	18.1
8 9	23 25.13	−10 29.4	1.800	2.715	11.4	17.9
8 19	23 19.03	−11 18.3	1.749	2.718	7.6	17.7
8 29	23 11.29	−12 11.0	1.722	2.721	3.8	17.5
9 8	23 2.73	−13 0.9	1.722	2.724	2.7	17.4
9 18	22 54.31	−13 42.3	1.749	2.726	6.1	17.7
9 28	22 46.99	−14 10.2	1.803	2.729	9.9	17.9
10 8	22 41.54	−14 22.3	1.880	2.731	13.2	18.1

77650 2001 KB_{71} 9 7.1 180°.07 1°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.28	− 7 42.4	1.915	2.742	14.8	20.9
8 9	23 26.86	− 8 27.0	1.836	2.744	11.5	20.7
8 19	23 20.23	− 9 22.8	1.778	2.745	7.8	20.5
8 29	23 11.89	−10 24.6	1.745	2.745	3.8	20.3
9 8	23 2.67	−11 26.0	1.740	2.745	2.1	20.1
9 18	22 53.54	−12 20.4	1.764	2.744	5.8	20.4
9 28	22 45.51	−13 2.3	1.814	2.742	9.7	20.6
10 8	22 39.35	−13 28.3	1.888	2.740	13.2	20.8

476112 2007 TG_{169} 9 7.1 329°.80 5°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.55	+ 7 51.1	1.470	2.276	19.4	20.4
8 9	23 20.11	+ 8 12.2	1.376	2.256	16.4	20.1
8 19	23 16.18	+ 8 9.1	1.299	2.238	12.8	19.9
8 29	23 10.14	+ 7 40.1	1.243	2.220	8.8	19.6
9 8	23 2.84	+ 6 46.9	1.208	2.203	5.7	19.4
9 18	22 55.37	+ 5 35.0	1.198	2.187	6.4	19.4
9 28	22 48.99	+ 4 13.3	1.212	2.172	10.2	19.6
10 8	22 44.74	+ 2 52.5	1.248	2.158	14.4	19.8

418072 2007 VU_{221} 9 7.1 265°.59 5°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.88	+ 7 1.8	1.565	2.354	19.2	21.3
8 9	23 26.60	+ 7 27.9	1.467	2.338	16.1	21.0
8 19	23 20.60	+ 7 32.5	1.388	2.322	12.4	20.8
8 29	23 12.32	+ 7 13.9	1.329	2.306	8.4	20.5
9 8	23 2.64	+ 6 33.5	1.295	2.289	5.4	20.3
9 18	22 52.72	+ 5 35.8	1.285	2.272	6.4	20.3
9 28	22 43.91	+ 4 28.8	1.301	2.255	10.3	20.5
10 8	22 37.35	+ 3 21.8	1.340	2.238	14.6	20.7

513526 2009 WG_{127} 9 7.1 282°.12 0°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.88	− 1 44.7	1.656	2.481	16.8	22.6
8 9	23 24.76	− 1 59.3	1.562	2.465	13.5	22.3
8 19	23 19.17	− 2 30.7	1.487	2.448	9.5	22.0
8 29	23 11.54	− 3 16.4	1.435	2.432	4.9	21.7
9 8	23 2.72	− 4 11.3	1.408	2.415	0.8	21.4
9 18	22 53.78	− 5 8.7	1.408	2.399	5.2	21.7
9 28	22 45.90	− 6 1.0	1.434	2.382	10.0	21.9
10 8	22 40.06	− 6 42.1	1.483	2.366	14.3	22.1

506540 2004 XT_{29} 9 7.1 235°.28 13°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 39.98	−47 35.0	2.239	3.024	14.2	21.7
8 9	23 34.50	−49 31.2	2.196	3.011	13.5	21.6
8 19	23 25.89	−51 10.8	2.174	2.998	13.2	21.5
8 29	23 14.80	−52 23.5	2.173	2.984	13.6	21.5
9 8	23 2.43	−53 2.2	2.193	2.969	14.4	21.6
9 18	22 50.27	−53 3.6	2.231	2.954	15.6	21.6
9 28	22 39.81	−52 28.8	2.286	2.939	16.9	21.7
10 8	22 32.11	−51 22.7	2.355	2.923	18.0	21.8

254614 2005 GO_{203} 9 7.1 324°.57 0°.8/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.47	− 4 24.0	1.296	2.149	19.0	20.7
8 9	23 24.17	− 4 56.0	1.220	2.141	15.0	20.4
8 19	23 19.01	− 5 46.9	1.162	2.134	10.3	20.1
8 29	23 11.52	− 6 51.8	1.127	2.128	4.9	19.8
9 8	23 2.75	− 8 2.6	1.114	2.121	1.2	19.5
9 18	22 54.00	− 9 9.5	1.127	2.116	6.6	19.9
9 28	22 46.68	−10 3.5	1.163	2.110	11.9	20.2
10 8	22 41.85	−10 38.4	1.220	2.106	16.6	20.4

12244 Werfel 9 7.1 353°.20 2°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.50	+ 3 10.4	1.973	2.776	15.3	17.6
8 9	23 19.98	+ 2 44.4	1.888	2.774	12.3	17.4
8 19	23 15.54	+ 2 0.2	1.822	2.772	8.9	17.2
8 29	23 9.63	+ 0 59.7	1.780	2.770	5.1	17.0
9 8	23 2.94	− 0 12.3	1.765	2.769	2.0	16.8
9 18	22 56.29	− 1 29.6	1.776	2.768	4.2	16.9
9 28	22 50.52	− 2 45.1	1.815	2.768	8.0	17.2
10 8	22 46.35	− 3 52.3	1.879	2.768	11.5	17.4

23640 1997 AY_{7} 9 7.1 9°.93 4°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.69	+ 3 9.1	1.210	2.040	21.5	17.3
8 9	23 26.02	+ 3 53.5	1.142	2.041	17.7	17.1
8 19	23 20.31	+ 4 16.7	1.091	2.043	13.2	16.8
8 29	23 12.15	+ 4 17.7	1.059	2.046	8.4	16.6
9 8	23 2.71	+ 3 58.8	1.049	2.049	4.8	16.4
9 18	22 53.38	+ 3 25.6	1.063	2.054	6.5	16.5
9 28	22 45.66	+ 2 46.3	1.100	2.059	11.1	16.8
10 8	22 40.62	+ 2 9.5	1.158	2.065	15.6	17.0

330370 2006 WY_{39} 9 7.1 41°.67 4°.5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.96	+ 8 8.1	1.160	1.979	22.8	20.2
8 9	23 22.89	+ 7 54.5	1.110	2.000	18.8	20.0
8 19	23 17.94	+ 7 9.2	1.076	2.022	14.0	19.8
8 29	23 10.87	+ 5 54.2	1.061	2.045	8.9	19.6
9 8	23 2.85	+ 4 17.0	1.068	2.068	4.9	19.4
9 18	22 55.23	+ 2 28.9	1.100	2.092	6.0	19.6
9 28	22 49.27	+ 0 43.0	1.155	2.117	10.4	19.9
10 8	22 45.81	− 0 49.7	1.233	2.142	14.7	20.2

77251 2001 FY_{45} 9 7.1 94°.89 0°.5/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.59	− 4 43.6	1.574	2.403	17.3	19.8
8 9	23 28.13	− 5 8.2	1.513	2.421	13.6	19.6
8 19	23 21.16	− 5 46.7	1.472	2.437	9.2	19.4
8 29	23 12.35	− 6 34.6	1.455	2.454	4.4	19.2
9 8	23 2.71	− 7 25.3	1.463	2.471	0.8	18.9
9 18	22 53.39	− 8 11.9	1.499	2.487	5.5	19.3
9 28	22 45.48	− 8 48.5	1.561	2.502	10.0	19.6
10 8	22 39.80	− 9 11.2	1.646	2.518	13.8	19.9

373222 2012 FV_{54} 9 7.1 201°.38 3°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.19	+ 6 51.8	1.806	2.585	17.3	22.0
8 9	23 25.49	+ 6 43.2	1.715	2.582	14.4	21.7
8 19	23 19.48	+ 6 13.0	1.643	2.578	10.8	21.5
8 29	23 11.64	+ 5 21.5	1.595	2.574	6.9	21.3
9 8	23 2.77	+ 4 12.2	1.571	2.570	3.9	21.1
9 18	22 53.88	+ 2 51.4	1.575	2.564	5.1	21.2
9 28	22 46.04	+ 1 27.3	1.607	2.559	8.8	21.4
10 8	22 40.12	+ 0 8.3	1.663	2.552	12.7	21.6

353203 2009 SJ_{264} 9 7.1 245°.46 0°.2/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.37	− 5 10.3	4.562	5.366	7.2	21.0
8 9	23 15.56	− 5 38.0	4.468	5.363	5.6	20.8
8 19	23 11.93	− 6 11.0	4.399	5.360	3.8	20.7
8 29	23 7.70	− 6 47.4	4.358	5.357	1.8	20.6
9 8	23 3.16	− 7 25.1	4.347	5.354	0.4	20.4
9 18	22 58.65	− 8 1.9	4.366	5.351	2.3	20.6
9 28	22 54.48	− 8 35.6	4.414	5.348	4.3	20.7
10 8	22 50.95	− 9 4.3	4.490	5.345	6.0	20.9

253341 2003 FF_{44} 9 7.1 72°.38 1°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.93	−10 21.6	2.071	2.900	13.7	20.1
8 9	23 26.30	−10 34.7	1.999	2.909	10.7	19.9
8 19	23 19.67	−10 54.2	1.950	2.917	7.2	19.7
8 29	23 11.58	−11 15.9	1.926	2.926	3.5	19.5
9 8	23 2.80	−11 35.4	1.930	2.934	2.0	19.4
9 18	22 54.20	−11 48.7	1.962	2.943	5.3	19.6
9 28	22 46.68	−11 52.5	2.022	2.951	8.8	19.9
10 8	22 40.90	−11 45.1	2.105	2.960	11.9	20.1

230145 2001 QH_{36} 9 7.1 343°.91 8°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.52	+ 4 13.4	1.016	1.865	23.4	19.1
8 9	23 22.75	+ 5 57.6	0.938	1.845	19.9	18.8
8 19	23 18.66	+ 7 25.0	0.875	1.827	15.7	18.5
8 29	23 11.64	+ 8 30.0	0.830	1.811	11.3	18.2
9 8	23 2.77	+ 9 9.2	0.804	1.797	8.3	18.0
9 18	22 53.63	+ 9 22.5	0.799	1.785	9.3	18.0
9 28	22 46.05	+ 9 15.4	0.813	1.776	13.3	18.2
10 8	22 41.51	+ 8 57.4	0.846	1.769	18.0	18.4

479176 2013 CO_{50} 9 7.1 267°.56 0°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.09	− 2 3.0	2.103	2.914	14.2	22.6
8 9	23 23.61	− 2 30.1	1.997	2.893	11.3	22.4
8 19	23 18.11	− 3 11.5	1.913	2.873	7.9	22.2
8 29	23 10.97	− 4 4.7	1.854	2.851	4.0	21.9
9 8	23 2.86	− 5 5.1	1.822	2.830	0.4	21.5
9 18	22 54.61	− 6 6.8	1.819	2.808	4.5	21.8
9 28	22 47.16	− 7 3.8	1.843	2.786	8.6	22.0
10 8	22 41.30	− 7 50.6	1.892	2.763	12.3	22.2

216425 2008 UE_{90} 9 7.1 7°.71 10°.4/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.82	+20 26.2	1.319	2.071	23.8	20.2
8 9	23 18.18	+21 2.2	1.247	2.072	21.2	20.0
8 19	23 14.91	+21 1.5	1.189	2.074	18.0	19.8
8 29	23 9.52	+20 19.3	1.147	2.078	14.6	19.6
9 8	23 3.00	+18 55.6	1.124	2.082	11.6	19.5
9 18	22 56.53	+16 56.3	1.123	2.089	10.4	19.4
9 28	22 51.41	+14 33.6	1.144	2.096	11.6	19.5
10 8	22 48.60	+12 3.6	1.188	2.104	14.5	19.7

115234 2003 SV_{145} 9 7.1 5°.70 8°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.34	+13 20.7	1.629	2.384	19.8	19.1
8 9	23 25.14	+14 25.5	1.548	2.384	17.2	18.9
8 19	23 19.42	+15 7.7	1.484	2.385	14.1	18.7
8 29	23 11.68	+15 23.5	1.440	2.386	11.0	18.6
9 8	23 2.79	+15 12.2	1.419	2.387	8.7	18.4
9 18	22 53.89	+14 36.1	1.421	2.389	8.4	18.4
9 28	22 46.16	+13 41.7	1.448	2.391	10.4	18.6
10 8	22 40.58	+12 38.1	1.498	2.394	13.4	18.8

271207 2003 SQ_{389} 9 7.1 231°.71 2°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.98	−11 26.6	2.670	3.499	11.0	21.6
8 9	23 22.15	−12 5.5	2.582	3.492	8.5	21.5
8 19	23 16.75	−12 50.1	2.517	3.485	5.8	21.3
8 29	23 10.16	−13 36.5	2.480	3.478	3.1	21.1
9 8	23 2.96	−14 20.3	2.471	3.470	2.5	21.0
9 18	22 55.78	−14 57.3	2.491	3.462	5.0	21.2
9 28	22 49.30	−15 23.9	2.538	3.455	7.9	21.4
10 8	22 44.10	−15 38.3	2.611	3.446	10.5	21.5

357178 2002 EV_{59} 9 7.1 158°.15 0°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.96	− 1 6.0	2.780	3.575	11.5	21.9
8 9	23 21.21	− 1 47.0	2.695	3.581	9.1	21.7
8 19	23 16.03	− 2 39.4	2.632	3.587	6.3	21.6
8 29	23 9.78	− 3 40.3	2.596	3.592	3.2	21.4
9 8	23 3.00	− 4 45.7	2.590	3.597	0.4	21.1
9 18	22 56.28	− 5 51.1	2.613	3.602	3.4	21.4
9 28	22 50.23	− 6 52.0	2.666	3.605	6.4	21.6
10 8	22 45.35	− 7 44.4	2.745	3.609	9.1	21.8

265572 2005 QX_{95} 9 7.1 40°.93 1°.3/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.28	− 6 26.7	1.250	2.106	19.4	20.7
8 9	23 26.15	− 6 51.6	1.196	2.119	15.1	20.5
8 19	23 20.13	− 7 31.4	1.160	2.133	10.2	20.2
8 29	23 11.95	− 8 20.4	1.147	2.148	4.8	20.0
9 8	23 2.80	− 9 10.2	1.157	2.163	1.7	19.8
9 18	22 54.03	− 9 52.9	1.191	2.179	6.6	20.2
9 28	22 46.93	−10 21.9	1.250	2.195	11.5	20.5
10 8	22 42.37	−10 33.7	1.329	2.212	15.7	20.8

448702 2010 XQ_{44} 9 7.1 259°.68 6°.3/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.62	+15 17.4	2.511	3.219	14.7	21.1
8 9	23 22.92	+15 52.6	2.407	3.209	12.8	20.9
8 19	23 17.46	+16 10.2	2.321	3.198	10.6	20.7
8 29	23 10.60	+16 8.4	2.257	3.188	8.4	20.6
9 8	23 2.92	+15 47.1	2.218	3.177	6.7	20.4
9 18	22 55.15	+15 8.2	2.206	3.166	6.4	20.4
9 28	22 48.06	+14 15.8	2.221	3.155	7.9	20.5
10 8	22 42.35	+13 15.8	2.262	3.144	10.1	20.6

481544 2007 RN_{31} 9 7.1 347°.51 6°.4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.34	+ 7 6.7	1.078	1.924	22.4	20.4
8 9	23 15.13	+ 7 47.7	0.999	1.904	19.0	20.1
8 19	23 13.15	+ 8 0.5	0.935	1.886	14.9	19.8
8 29	23 8.82	+ 7 42.0	0.888	1.871	10.4	19.5
9 8	23 3.08	+ 6 53.4	0.861	1.857	6.8	19.2
9 18	22 57.22	+ 5 41.1	0.855	1.847	7.4	19.2
9 28	22 52.73	+ 4 16.7	0.869	1.839	11.5	19.4
10 8	22 50.79	+ 2 53.7	0.903	1.833	16.3	19.7

314279 2005 SJ_{32} 9 7.1 314°.22 0°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.54	− 1 52.8	1.922	2.746	14.9	20.9
8 9	23 20.95	− 2 24.5	1.829	2.732	11.8	20.7
8 19	23 16.32	− 3 11.8	1.757	2.720	8.2	20.5
8 29	23 10.10	− 4 11.8	1.709	2.707	4.1	20.2
9 8	23 2.98	− 5 19.0	1.687	2.695	0.4	19.9
9 18	22 55.81	− 6 27.0	1.693	2.683	4.7	20.2
9 28	22 49.52	− 7 28.9	1.725	2.671	8.8	20.4
10 8	22 44.90	− 8 19.1	1.781	2.660	12.6	20.6

215775 2004 HF_{6} 9 7.1 17°.87 5°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.18	+ 8 45.8	1.052	1.890	23.5	18.4
8 9	23 16.99	+ 8 40.8	1.012	1.912	19.4	18.2
8 19	23 14.00	+ 8 1.9	0.988	1.937	14.6	18.0
8 29	23 8.98	+ 6 51.4	0.981	1.964	9.6	17.9
9 8	23 3.09	+ 5 17.4	0.996	1.994	5.5	17.7
9 18	22 57.61	+ 3 31.8	1.033	2.026	6.2	17.9
9 28	22 53.68	+ 1 47.9	1.093	2.059	10.1	18.2
10 8	22 52.08	+ 0 17.1	1.175	2.095	14.3	18.6

304302 2006 ST_{117} 9 7.1 238°.27 5°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.70	−21 17.0	2.186	3.024	12.8	21.0
8 9	23 28.57	−21 53.9	2.109	3.018	10.2	20.8
8 19	23 21.31	−22 30.1	2.054	3.011	7.5	20.6
8 29	23 12.44	−22 59.7	2.024	3.005	5.6	20.5
9 8	23 2.77	−23 16.8	2.022	2.998	5.8	20.5
9 18	22 53.24	−23 17.3	2.048	2.991	8.0	20.6
9 28	22 44.79	−22 59.6	2.099	2.984	10.8	20.8
10 8	22 38.18	−22 24.1	2.174	2.977	13.4	20.9

443499 2014 JK_{35} 9 7.1 284°.54 2°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.14	− 9 37.3	1.956	2.795	14.0	21.5
8 9	23 23.65	−10 18.6	1.875	2.790	10.9	21.3
8 19	23 18.09	−11 9.3	1.815	2.785	7.4	21.1
8 29	23 10.92	−12 4.3	1.781	2.780	3.7	20.8
9 8	23 2.91	−12 57.4	1.773	2.776	2.6	20.7
9 18	22 54.96	−13 42.6	1.793	2.771	6.0	21.0
9 28	22 47.99	−14 14.9	1.839	2.766	9.7	21.2
10 8	22 42.76	−14 31.6	1.909	2.761	13.0	21.4

234729 2002 KF_{16} 9 7.1 101°.91 0°.3/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.28	− 2 53.4	1.873	2.695	15.3	20.8
8 9	23 23.71	− 3 36.9	1.802	2.705	12.0	20.6
8 19	23 18.06	− 4 35.2	1.753	2.716	8.2	20.4
8 29	23 10.87	− 5 43.9	1.727	2.726	3.9	20.1
9 8	23 2.92	− 6 56.6	1.729	2.737	0.6	19.9
9 18	22 55.14	− 8 6.4	1.759	2.747	4.8	20.2
9 28	22 48.41	− 9 6.9	1.816	2.757	8.9	20.5
10 8	22 43.47	− 9 53.3	1.897	2.766	12.3	20.7

158136 2001 FM_{67} 9 7.1 221°.86 0°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.55	+ 1 20.5	2.671	3.461	12.0	20.5
8 9	23 20.27	+ 0 38.8	2.574	3.455	9.6	20.3
8 19	23 15.50	− 0 16.6	2.499	3.449	6.8	20.1
8 29	23 9.58	− 1 23.4	2.450	3.442	3.7	19.9
9 8	23 3.04	− 2 37.5	2.429	3.436	0.9	19.7
9 18	22 56.50	− 3 54.1	2.438	3.429	3.4	19.8
9 28	22 50.60	− 5 7.7	2.477	3.421	6.6	20.0
10 8	22 45.90	− 6 13.5	2.542	3.414	9.5	20.2

289309 2005 AA_{16} 9 7.2 259°.97 2°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.26	+ 3 13.6	2.156	2.939	14.8	21.3
8 9	23 25.32	+ 3 15.0	2.045	2.917	12.1	21.1
8 19	23 19.30	+ 3 1.0	1.954	2.895	9.0	20.9
8 29	23 11.60	+ 2 32.1	1.887	2.873	5.5	20.6
9 8	23 2.86	+ 1 50.8	1.848	2.849	2.7	20.4
9 18	22 53.94	+ 1 1.3	1.836	2.826	4.4	20.5
9 28	22 45.78	+ 0 9.3	1.853	2.802	8.1	20.6
10 8	22 39.21	− 0 39.4	1.895	2.777	11.7	20.8

448388 2009 QS_{7} 9 7.2 27°.93 3°.6/11.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.58	+ 9 1.8	1.631	2.424	18.3	20.6
8 9	23 18.76	+ 8 22.2	1.566	2.440	15.1	20.4
8 19	23 14.82	+ 7 16.1	1.520	2.458	11.3	20.3
8 29	23 9.32	+ 5 45.9	1.496	2.476	7.2	20.1
9 8	23 3.09	+ 3 58.1	1.496	2.495	3.9	19.9
9 18	22 57.05	+ 2 1.7	1.524	2.515	4.8	20.0
9 28	22 52.13	+ 0 7.2	1.578	2.536	8.4	20.3
10 8	22 49.01	− 1 36.1	1.656	2.557	12.0	20.6

353362 2010 XS_{47} 9 7.2 283°.56 2°.5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.54	−17 24.2	4.243	5.076	7.2	21.0
8 9	23 17.35	−17 58.7	4.158	5.068	5.6	20.9
8 19	23 13.21	−18 34.3	4.098	5.061	3.9	20.7
8 29	23 8.37	−19 8.3	4.066	5.054	2.7	20.6
9 8	23 3.19	−19 38.1	4.063	5.047	2.8	20.6
9 18	22 58.04	−20 1.3	4.089	5.039	4.1	20.7
9 28	22 53.29	−20 16.2	4.143	5.032	5.8	20.9
10 8	22 49.30	−20 21.8	4.223	5.025	7.4	21.0

254594 2005 GR_{71} 9 7.2 229°.08 0°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.13	− 2 27.4	1.635	2.461	16.9	20.8
8 9	23 25.71	− 3 2.8	1.550	2.454	13.5	20.6
8 19	23 19.79	− 3 56.1	1.484	2.447	9.3	20.3
8 29	23 11.88	− 5 3.3	1.441	2.440	4.6	20.0
9 8	23 2.86	− 6 17.7	1.425	2.432	0.5	19.7
9 18	22 53.81	− 7 31.3	1.436	2.424	5.5	20.1
9 28	22 45.92	− 8 35.8	1.472	2.416	10.2	20.3
10 8	22 40.12	− 9 25.3	1.532	2.407	14.4	20.5

324206 2006 AW_{97} 9 7.2 210°.46 8°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.04	−34 42.5	2.594	3.422	11.3	20.6
8 9	23 25.64	−36 6.2	2.540	3.419	9.8	20.5
8 19	23 19.28	−37 22.0	2.510	3.416	8.8	20.5
8 29	23 11.45	−38 22.8	2.504	3.413	8.6	20.4
9 8	23 2.92	−39 2.9	2.523	3.410	9.3	20.5
9 18	22 54.52	−39 18.9	2.566	3.406	10.7	20.6
9 28	22 47.13	−39 10.1	2.631	3.402	12.3	20.7
10 8	22 41.42	−38 38.4	2.716	3.398	13.8	20.8

213708 2002 UZ_{25} 9 7.2 235°.03 2°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.34	−11 35.1	2.091	2.926	13.4	20.8
8 9	23 25.25	−12 9.9	2.008	2.921	10.4	20.6
8 19	23 19.11	−12 51.5	1.947	2.915	7.1	20.4
8 29	23 11.42	−13 35.2	1.912	2.910	3.8	20.2
9 8	23 2.92	−14 15.4	1.904	2.904	3.0	20.1
9 18	22 54.47	−14 46.8	1.924	2.898	6.0	20.3
9 28	22 46.99	−15 5.5	1.971	2.892	9.5	20.5
10 8	22 41.21	−15 9.4	2.042	2.886	12.6	20.7

490324 2009 BF_{142} 9 7.2 310°.94 1°.8/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.96	− 2 22.8	1.557	2.384	17.6	21.1
8 9	23 26.81	− 1 57.3	1.451	2.355	14.3	20.8
8 19	23 20.91	− 1 44.6	1.364	2.325	10.3	20.5
8 29	23 12.62	− 1 43.9	1.300	2.295	5.7	20.1
9 8	23 2.79	− 1 52.5	1.260	2.266	1.8	19.8
9 18	22 52.59	− 2 6.2	1.246	2.237	5.6	20.0
9 28	22 43.43	− 2 19.5	1.256	2.209	10.7	20.2
10 8	22 36.49	− 2 27.0	1.289	2.181	15.4	20.4

521382 2015 MA_{142} 9 7.2 2°.29 2°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.20	− 9 56.1	1.710	2.559	15.3	20.9
8 9	23 23.19	−10 46.6	1.637	2.558	11.9	20.7
8 19	23 17.91	−11 47.7	1.586	2.558	8.0	20.5
8 29	23 10.88	−12 53.1	1.559	2.558	4.1	20.3
9 8	23 2.97	−13 55.4	1.558	2.559	3.2	20.2
9 18	22 55.18	−14 47.4	1.583	2.560	6.7	20.4
9 28	22 48.52	−15 23.5	1.634	2.561	10.7	20.7
10 8	22 43.80	−15 40.9	1.707	2.562	14.2	20.9

487954 2015 TA_{260} 9 7.2 300°.26 1°.7/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.68	− 9 42.0	2.106	2.938	13.4	21.0
8 9	23 24.84	− 9 56.7	2.008	2.918	10.6	20.8
8 19	23 18.94	−10 18.9	1.931	2.899	7.2	20.6
8 29	23 11.40	−10 44.8	1.879	2.879	3.5	20.3
9 8	23 2.93	−11 9.9	1.855	2.860	1.9	20.2
9 18	22 54.39	−11 29.5	1.859	2.840	5.4	20.4
9 28	22 46.72	−11 39.6	1.889	2.821	9.1	20.5
10 8	22 40.71	−11 37.7	1.944	2.802	12.6	20.7

161371 Bertrandou 9 7.2 227°.35 1°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.12	+ 0 6.7	1.959	2.766	15.2	20.6
8 9	23 23.66	− 0 15.0	1.871	2.762	12.2	20.4
8 19	23 18.13	− 0 52.6	1.803	2.758	8.6	20.2
8 29	23 10.99	− 1 43.7	1.760	2.754	4.6	19.9
9 8	23 2.98	− 2 43.6	1.743	2.749	1.1	19.7
9 18	22 54.97	− 3 46.4	1.754	2.745	4.4	19.9
9 28	22 47.92	− 4 45.5	1.792	2.740	8.4	20.1
10 8	22 42.57	− 5 35.3	1.855	2.735	12.1	20.4

136983 1998 SN_4 9 7.2 1°.33 2°.3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.55	− 8 16.3	1.037	1.919	20.5	18.5
8 9	23 22.40	− 8 38.0	0.977	1.916	16.1	18.2
8 19	23 18.05	− 9 15.3	0.934	1.914	10.9	17.9
8 29	23 11.15	−10 1.6	0.911	1.914	5.3	17.6
9 8	23 2.96	−10 47.5	0.910	1.916	2.7	17.5
9 18	22 54.98	−11 23.7	0.931	1.919	7.9	17.8
9 28	22 48.75	−11 42.6	0.973	1.923	13.3	18.1
10 8	22 45.32	−11 40.7	1.034	1.930	18.0	18.4

503615 2016 GC_{126} 9 7.2 112°.53 2°.8/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 35.24	−10 19.1	1.413	2.259	18.1	21.6
8 9	23 30.65	−10 48.8	1.350	2.268	14.1	21.3
8 19	23 23.16	−11 28.7	1.306	2.277	9.5	21.1
8 29	23 13.48	−12 12.2	1.286	2.286	4.8	20.9
9 8	23 2.77	−12 51.5	1.292	2.295	3.2	20.8
9 18	22 52.38	−13 19.6	1.323	2.303	7.3	21.1
9 28	22 43.62	−13 31.7	1.379	2.311	11.8	21.3
10 8	22 37.43	−13 26.1	1.457	2.319	15.8	21.6

259794 2004 BU_{64} 9 7.2 157°.19 1°.4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.30	− 6 28.4	1.813	2.640	15.5	21.4
8 9	23 27.00	− 7 8.1	1.738	2.646	12.1	21.2
8 19	23 20.41	− 8 0.0	1.684	2.651	8.2	21.0
8 29	23 12.09	− 8 59.2	1.656	2.656	3.9	20.8
9 8	23 2.90	− 9 59.2	1.654	2.660	1.7	20.6
9 18	22 53.84	−10 53.3	1.680	2.664	5.6	20.9
9 28	22 45.95	−11 35.7	1.733	2.667	9.7	21.2
10 8	22 40.01	−12 2.8	1.810	2.669	13.3	21.4

230197 2001 SP_{162} 9 7.2 356°.99 0°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.47	− 6 13.2	1.055	1.930	20.8	19.3
8 9	23 23.13	− 6 2.3	0.991	1.924	16.5	19.0
8 19	23 18.57	− 6 6.7	0.943	1.919	11.4	18.7
8 29	23 11.44	− 6 22.7	0.915	1.916	5.5	18.4
9 8	23 2.95	− 6 43.7	0.908	1.915	0.7	18.0
9 18	22 54.61	− 7 2.5	0.923	1.916	6.8	18.4
9 28	22 47.97	− 7 11.9	0.960	1.918	12.5	18.8
10 8	22 44.16	− 7 7.4	1.017	1.922	17.4	19.1

258532 2002 BT_{15} 9 7.2 283°.95 2°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.40	+ 1 18.1	1.418	2.242	19.1	21.0
8 9	23 25.76	+ 1 16.1	1.321	2.221	15.7	20.7
8 19	23 20.27	+ 0 52.9	1.243	2.200	11.4	20.4
8 29	23 12.33	+ 0 9.2	1.186	2.179	6.5	20.1
9 8	23 2.87	− 0 50.7	1.153	2.158	2.3	19.7
9 18	22 53.12	− 1 59.3	1.144	2.137	5.8	19.9
9 28	22 44.55	− 3 7.3	1.161	2.115	11.1	20.1
10 8	22 38.36	− 4 5.5	1.199	2.094	16.1	20.4

14080 Heppenheim 9 7.2 183°.23 3°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.12	−11 34.4	1.727	2.566	15.6	19.0
8 9	23 28.61	−12 11.4	1.652	2.566	12.2	18.8
8 19	23 21.62	−12 56.7	1.598	2.567	8.3	18.5
8 29	23 12.72	−13 44.2	1.568	2.566	4.4	18.3
9 8	23 2.85	−14 26.9	1.565	2.566	3.4	18.3
9 18	22 53.12	−14 58.7	1.590	2.565	6.9	18.5
9 28	22 44.65	−15 14.9	1.640	2.563	10.9	18.7
10 8	22 38.32	−15 13.9	1.713	2.561	14.5	18.9

6393 1990 HM_1 9 7.2 203°.01 4°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.14	−18 35.8	2.717	3.555	10.6	17.7
8 9	23 23.07	−19 31.9	2.640	3.551	8.3	17.5
8 19	23 17.40	−20 29.7	2.586	3.548	6.0	17.4
8 29	23 10.53	−21 24.2	2.560	3.544	4.3	17.3
9 8	23 3.06	−22 10.4	2.562	3.540	4.6	17.3
9 18	22 55.65	−22 44.1	2.592	3.535	6.6	17.4
9 28	22 48.98	−23 2.6	2.649	3.531	8.9	17.6
10 8	22 43.64	−23 5.1	2.730	3.525	11.2	17.7

223340 2003 QT_{93} 9 7.2 2°.18 3°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.37	−10 44.3	1.776	2.630	14.6	19.5
8 9	23 20.90	−11 36.8	1.705	2.629	11.3	19.3
8 19	23 16.30	−12 38.7	1.656	2.629	7.6	19.0
8 29	23 10.10	−13 44.0	1.631	2.630	4.1	18.8
9 8	23 3.09	−14 45.3	1.631	2.631	3.5	18.8
9 18	22 56.19	−15 35.9	1.658	2.633	6.7	19.0
9 28	22 50.35	−16 10.7	1.711	2.636	10.4	19.2
10 8	22 46.29	−16 26.9	1.785	2.639	13.7	19.5

513574 2010 VC_{101} 9 7.2 110°.36 5°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.11	−22 7.8	2.372	3.215	11.8	21.3
8 9	23 24.78	−23 4.1	2.310	3.221	9.4	21.2
8 19	23 18.62	−23 59.4	2.271	3.227	7.0	21.0
8 29	23 11.12	−24 47.7	2.258	3.233	5.6	21.0
9 8	23 3.01	−25 23.4	2.273	3.239	6.0	21.0
9 18	22 55.07	−25 42.6	2.314	3.245	7.9	21.1
9 28	22 48.11	−25 43.3	2.381	3.251	10.3	21.3
10 8	22 42.73	−25 25.8	2.470	3.256	12.5	21.5

257380 2009 SO_{10} 9 7.2 281°.64 0°.9/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.50	− 9 22.3	4.425	5.241	7.2	20.9
8 9	23 16.49	− 9 47.2	4.335	5.238	5.5	20.7
8 19	23 12.61	−10 15.8	4.270	5.235	3.7	20.6
8 29	23 8.11	−10 46.2	4.233	5.232	1.8	20.4
9 8	23 3.29	−11 16.1	4.225	5.229	1.1	20.4
9 18	22 58.49	−11 43.4	4.248	5.226	2.8	20.5
9 28	22 54.06	−12 6.0	4.299	5.223	4.7	20.7
10 8	22 50.32	−12 22.5	4.377	5.220	6.4	20.8

367231 2007 HG_{24} 9 7.2 161°.71 3°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.29	+11 18.9	2.929	3.657	12.4	21.8
8 9	23 20.70	+11 7.9	2.835	3.661	10.5	21.6
8 19	23 15.72	+10 41.1	2.761	3.666	8.2	21.5
8 29	23 9.70	+ 9 58.8	2.712	3.670	5.8	21.4
9 8	23 3.15	+ 9 3.0	2.690	3.673	4.0	21.2
9 18	22 56.63	+ 7 57.3	2.697	3.676	4.1	21.3
9 28	22 50.73	+ 6 46.1	2.733	3.679	6.0	21.4
10 8	22 45.96	+ 5 34.7	2.796	3.681	8.3	21.5

319098 2005 WS_{164} 9 7.2 273°.56 0°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.85	− 3 24.2	2.253	3.067	13.2	22.1
8 9	23 22.43	− 3 47.6	2.157	3.056	10.5	21.9
8 19	23 17.18	− 4 22.7	2.084	3.045	7.2	21.6
8 29	23 10.52	− 5 6.9	2.036	3.034	3.6	21.4
9 8	23 3.07	− 5 55.9	2.015	3.023	0.3	21.1
9 18	22 55.60	− 6 44.6	2.023	3.011	4.2	21.4
9 28	22 48.90	− 7 28.1	2.058	3.000	7.9	21.6
10 8	22 43.68	− 8 2.2	2.119	2.989	11.2	21.8

401641 2013 GB_{92} 9 7.2 108°.32 5°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.22	+17 7.1	2.578	3.274	14.6	20.9
8 9	23 21.64	+17 14.4	2.494	3.287	12.7	20.7
8 19	23 16.45	+17 1.9	2.428	3.300	10.4	20.6
8 29	23 10.08	+16 28.7	2.384	3.312	8.1	20.5
9 8	23 3.12	+15 36.4	2.365	3.324	6.3	20.4
9 18	22 56.23	+14 28.0	2.374	3.336	5.9	20.4
9 28	22 50.10	+13 9.1	2.410	3.348	7.1	20.5
10 8	22 45.31	+11 45.9	2.473	3.359	9.2	20.6

39736 1997 AM 9 7.2 281°.46 2°.4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.87	− 9 1.7	1.755	2.598	15.2	18.9
8 9	23 24.60	− 9 44.3	1.668	2.586	11.9	18.7
8 19	23 18.98	−10 38.3	1.603	2.573	8.1	18.4
8 29	23 11.50	−11 38.5	1.561	2.561	4.1	18.2
9 8	23 2.98	−12 37.7	1.546	2.549	2.8	18.1
9 18	22 54.43	−13 28.9	1.558	2.537	6.5	18.3
9 28	22 46.95	−14 5.9	1.595	2.525	10.7	18.5
10 8	22 41.42	−14 25.3	1.655	2.513	14.4	18.7

266127 2006 TR_{21} 9 7.2 280°.13 0°.7/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.97	− 1 26.9	1.549	2.377	17.6	21.6
8 9	23 25.06	− 1 46.0	1.457	2.362	14.2	21.3
8 19	23 19.55	− 2 23.7	1.383	2.346	10.0	21.0
8 29	23 11.89	− 3 17.4	1.333	2.330	5.1	20.7
9 8	23 2.94	− 4 21.4	1.307	2.314	0.7	20.3
9 18	22 53.86	− 5 27.9	1.307	2.298	5.5	20.6
9 28	22 45.91	− 6 28.5	1.333	2.282	10.5	20.9
10 8	22 40.14	− 7 16.1	1.381	2.266	15.0	21.1

417950 2007 TL_{33} 9 7.2 329°.28 6°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.29	−17 18.9	1.082	1.964	19.8	19.8
8 9	23 28.01	−17 55.3	1.011	1.949	15.8	19.5
8 19	23 22.15	−18 37.2	0.958	1.934	11.3	19.2
8 29	23 13.32	−19 14.5	0.926	1.920	7.5	19.0
9 8	23 2.82	−19 36.2	0.914	1.908	7.3	18.9
9 18	22 52.38	−19 33.6	0.925	1.896	11.2	19.1
9 28	22 43.81	−19 2.8	0.956	1.885	16.1	19.4
10 8	22 38.42	−18 5.1	1.006	1.876	20.6	19.6

478570 2012 TZ_{68} 9 7.2 20°.17 1°.2/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.34	− 0 15.2	1.125	1.982	21.0	20.6
8 9	23 21.02	− 0 32.0	1.073	1.993	16.7	20.3
8 19	23 16.83	− 1 12.2	1.037	2.006	11.7	20.1
8 29	23 10.47	− 2 11.5	1.022	2.020	6.1	19.8
9 8	23 3.10	− 3 21.7	1.029	2.036	1.2	19.6
9 18	22 56.04	− 4 32.7	1.059	2.053	5.8	19.9
9 28	22 50.58	− 5 34.6	1.112	2.071	11.0	20.3
10 8	22 47.59	− 6 20.2	1.186	2.090	15.5	20.6

376607 2013 PR_{36} 9 7.2 65°.09 1°.9/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.53	+ 1 6.5	1.348	2.175	19.8	21.1
8 9	23 26.27	+ 0 55.8	1.285	2.187	15.9	20.9
8 19	23 20.25	+ 0 23.6	1.240	2.199	11.3	20.7
8 29	23 12.13	− 0 27.2	1.216	2.211	6.2	20.4
9 8	23 2.98	− 1 30.3	1.217	2.223	1.9	20.2
9 18	22 54.08	− 2 37.3	1.243	2.235	5.4	20.5
9 28	22 46.69	− 3 39.4	1.293	2.247	10.3	20.8
10 8	22 41.73	− 4 29.3	1.366	2.260	14.6	21.1

434214 2003 SQ_{55} 9 7.2 355°.04 0°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.09	− 9 9.3	1.310	2.161	18.9	19.6
8 9	23 30.15	− 8 30.1	1.236	2.156	15.1	19.4
8 19	23 23.12	− 7 57.7	1.181	2.151	10.4	19.1
8 29	23 13.63	− 7 29.6	1.148	2.148	5.1	18.8
9 8	23 2.85	− 7 2.1	1.139	2.146	0.8	18.5
9 18	22 52.23	− 6 32.2	1.155	2.145	6.2	18.9
9 28	22 43.26	− 5 57.1	1.196	2.146	11.4	19.1
10 8	22 36.99	− 5 15.0	1.258	2.147	15.9	19.4

438944 2010 JX_{72} 9 7.2 64°.59 4°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.21	−14 58.8	1.761	2.616	14.6	21.1
8 9	23 23.86	−16 19.1	1.705	2.628	11.3	21.0
8 19	23 18.28	−17 45.2	1.670	2.640	7.9	20.8
8 29	23 11.06	−19 9.0	1.661	2.653	5.2	20.7
9 8	23 3.09	−20 22.0	1.679	2.666	5.5	20.7
9 18	22 55.34	−21 17.2	1.722	2.678	8.3	20.9
9 28	22 48.79	−21 50.6	1.791	2.691	11.5	21.1
10 8	22 44.17	−22 1.3	1.881	2.704	14.4	21.3

186430 2002 RK_{92} 9 7.2 341°.56 0°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.53	− 3 52.1	1.054	1.926	21.0	19.3
8 9	23 21.77	− 3 43.3	0.979	1.910	16.9	19.0
8 19	23 17.83	− 3 53.2	0.921	1.896	11.8	18.6
8 29	23 11.22	− 4 19.3	0.882	1.883	6.0	18.3
9 8	23 3.05	− 4 55.4	0.864	1.871	0.6	17.9
9 18	22 54.82	− 5 33.2	0.868	1.862	6.7	18.2
9 28	22 48.16	− 6 3.4	0.893	1.854	12.7	18.5
10 8	22 44.33	− 6 19.2	0.937	1.848	18.0	18.8

37269 2000 XO_{24} 9 7.2 174°.30 8°.5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.53	−27 58.4	1.893	2.736	14.3	18.4
8 9	23 30.43	−29 5.9	1.834	2.737	11.8	18.2
8 19	23 22.79	−30 8.1	1.796	2.737	9.6	18.1
8 29	23 13.28	−30 56.1	1.783	2.738	8.5	18.0
9 8	23 2.90	−31 22.3	1.795	2.738	9.2	18.1
9 18	22 52.80	−31 22.4	1.833	2.739	11.1	18.2
9 28	22 44.12	−30 55.7	1.893	2.739	13.6	18.4
10 8	22 37.68	−30 4.9	1.974	2.738	15.9	18.5

206074 2002 RV_{45} 9 7.2 296°.33 2°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.49	− 9 50.3	1.857	2.695	14.7	20.1
8 9	23 25.64	−10 16.4	1.776	2.690	11.5	19.9
8 19	23 19.55	−10 51.0	1.717	2.686	7.8	19.7
8 29	23 11.74	−11 29.6	1.682	2.681	3.9	19.4
9 8	23 3.03	−12 6.3	1.674	2.677	2.4	19.3
9 18	22 54.39	−12 35.6	1.693	2.673	6.0	19.5
9 28	22 46.83	−12 52.9	1.738	2.669	9.9	19.8
10 8	22 41.15	−12 55.9	1.807	2.665	13.4	20.0

75101 1999 VE_{45} 9 7.2 241°.81 4°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.08	+ 5 50.6	1.652	2.443	18.2	19.7
8 9	23 25.72	+ 5 58.8	1.562	2.437	15.1	19.4
8 19	23 19.88	+ 5 45.8	1.491	2.430	11.4	19.2
8 29	23 12.01	+ 5 11.4	1.442	2.423	7.3	18.9
9 8	23 3.00	+ 4 18.7	1.417	2.416	4.2	18.7
9 18	22 53.92	+ 3 13.3	1.419	2.408	5.5	18.8
9 28	22 45.96	+ 2 3.3	1.447	2.400	9.4	19.0
10 8	22 40.08	+ 0 57.1	1.498	2.393	13.5	19.3

208514 2001 XJ_{117} 9 7.2 292°.69 0°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.20	− 3 56.8	1.359	2.197	19.1	19.7
8 9	23 28.62	− 3 55.1	1.282	2.193	15.2	19.5
8 19	23 22.08	− 4 9.0	1.223	2.188	10.6	19.2
8 29	23 13.15	− 4 35.4	1.186	2.184	5.3	18.9
9 8	23 2.90	− 5 8.8	1.173	2.180	0.5	18.5
9 18	22 52.71	− 5 42.5	1.185	2.176	6.0	18.9
9 28	22 43.99	− 6 9.4	1.222	2.172	11.2	19.2
10 8	22 37.83	− 6 24.4	1.281	2.169	15.8	19.5

113693 2002 TS_{120} 9 7.2 316°.85 6°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.56	+13 11.1	1.774	2.532	18.3	19.3
8 9	23 21.31	+13 32.9	1.678	2.519	15.8	19.1
8 19	23 16.83	+13 30.5	1.598	2.505	12.8	18.9
8 29	23 10.52	+13 1.6	1.538	2.493	9.7	18.7
9 8	23 3.13	+12 6.9	1.502	2.480	7.1	18.5
9 18	22 55.63	+10 50.5	1.491	2.468	6.9	18.4
9 28	22 49.07	+ 9 20.1	1.505	2.457	9.3	18.6
10 8	22 44.36	+ 7 45.5	1.543	2.446	12.7	18.7

487127 2014 OC_{176} 9 7.2 294°.33 3°.9/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.65	−15 8.1	2.188	3.032	12.6	21.3
8 9	23 23.17	−15 57.3	2.102	3.019	9.8	21.1
8 19	23 17.75	−16 51.5	2.038	3.007	6.8	20.8
8 29	23 10.84	−17 45.3	2.001	2.994	4.3	20.7
9 8	23 3.12	−18 32.5	1.990	2.981	4.3	20.7
9 18	22 55.40	−19 7.8	2.007	2.968	6.9	20.8
9 28	22 48.55	−19 27.3	2.050	2.956	10.0	21.0
10 8	22 43.29	−19 29.5	2.116	2.943	12.9	21.1

512924 2016 XO_{14} 9 7.2 203°.37 6°.3/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.53	−22 0.4	2.211	3.062	12.2	21.1
8 9	23 23.06	−23 29.8	2.146	3.062	9.7	20.9
8 19	23 17.65	−24 59.8	2.105	3.061	7.5	20.8
8 29	23 10.76	−26 22.9	2.090	3.060	6.3	20.7
9 8	23 3.13	−27 31.6	2.101	3.059	7.0	20.8
9 18	22 55.58	−28 20.6	2.139	3.058	9.1	20.9
9 28	22 48.98	−28 46.7	2.201	3.057	11.5	21.0
10 8	22 44.02	−28 50.0	2.285	3.056	13.8	21.2

491809 2012 XB_{106} 9 7.2 300°.25 3°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.68	+ 3 53.1	1.897	2.687	16.2	21.1
8 9	23 25.02	+ 4 13.1	1.807	2.682	13.4	20.9
8 19	23 19.17	+ 4 17.0	1.736	2.676	10.0	20.7
8 29	23 11.59	+ 4 4.8	1.688	2.671	6.3	20.5
9 8	23 3.05	+ 3 38.8	1.667	2.666	3.5	20.3
9 18	22 54.49	+ 3 3.0	1.672	2.660	4.9	20.4
9 28	22 46.90	+ 2 23.0	1.703	2.655	8.4	20.6
10 8	22 41.11	+ 1 44.8	1.760	2.650	12.0	20.8

155831 2000 XE_{47} 9 7.2 182°.92 8°.8/26.6 18

7 30	23 37.24	−38 47.4	2.824	3.626	11.2	20.9
8 9	23 31.05	−39 49.2	2.772	3.627	9.9	20.9
8 19	23 22.85	−40 40.6	2.743	3.627	9.0	20.8
8 29	23 13.20	−41 15.1	2.739	3.626	8.8	20.8
9 8	23 2.93	−41 27.8	2.760	3.625	9.3	20.8
9 18	22 52.93	−41 16.7	2.805	3.624	10.5	20.9
9 28	22 44.10	−40 41.9	2.873	3.623	11.8	21.0
10 8	22 37.08	−39 46.1	2.961	3.621	13.2	21.1

97209 1999 XM_{36} 9 7.2 314°.93 7°.2/ 2.1 18

7 30	23 35.32	−22 44.1	1.618	2.471	15.8	17.7
8 9	23 30.74	−23 21.2	1.543	2.459	12.8	17.5
8 19	23 23.31	−23 56.4	1.489	2.448	9.7	17.2
8 29	23 13.66	−24 21.6	1.457	2.437	7.4	17.1
9 8	23 2.88	−24 28.7	1.451	2.427	7.7	17.1
9 18	22 52.26	−24 12.7	1.470	2.417	10.3	17.2
9 28	22 43.14	−23 32.2	1.513	2.407	13.6	17.4
10 8	22 36.49	−22 29.3	1.578	2.398	16.9	17.6

408704 2014 NG_{31} 9 7.2 323°.33 8°.7/26.0 17

7 30	23 21.66	−23 34.5	1.844	2.714	13.5	20.3
8 9	23 19.94	−26 4.9	1.769	2.692	11.0	20.1
8 19	23 15.96	−28 39.8	1.718	2.671	9.2	19.9
8 29	23 10.13	−31 7.4	1.694	2.650	8.8	19.9
9 8	23 3.18	−33 15.6	1.695	2.630	10.2	19.9
9 18	22 56.10	−34 55.1	1.721	2.610	12.7	20.0
9 28	22 49.98	−36 0.3	1.769	2.591	15.4	20.2
10 8	22 45.76	−36 31.1	1.835	2.573	17.8	20.3

252666 2002 AE_{7} 9 7.2 255°.58 4°.8/12.6 18

7 30	23 25.70	+10 46.4	2.281	3.027	15.1	20.1
8 9	23 22.34	+10 59.4	2.185	3.023	12.8	20.0
8 19	23 17.16	+10 54.0	2.108	3.018	10.1	19.8
8 29	23 10.55	+10 29.8	2.054	3.013	7.3	19.6
9 8	23 3.17	+ 9 48.1	2.025	3.008	5.1	19.5
9 18	22 55.75	+ 8 52.4	2.024	3.003	5.3	19.5
9 28	22 49.10	+ 7 48.3	2.050	2.998	7.5	19.6
10 8	22 43.93	+ 6 42.1	2.102	2.993	10.3	19.8

507189 2010 RC_{78} 9 7.2 13°.18 3°.8/ 4.9 17

7 30	23 29.57	−11 54.0	1.046	1.925	20.6	20.4
8 9	23 27.12	−12 17.2	0.991	1.928	16.1	20.2
8 19	23 21.26	−12 51.0	0.953	1.931	11.0	19.9
8 29	23 12.76	−13 27.3	0.935	1.936	5.8	19.6
9 8	23 2.98	−13 56.7	0.939	1.942	4.3	19.6
9 18	22 53.56	−14 11.1	0.966	1.948	8.8	19.9
9 28	22 46.09	−14 5.6	1.014	1.956	13.9	20.2
10 8	22 41.62	−13 39.3	1.081	1.965	18.4	20.5

420648 2012 JD_{11} 9 7.2 128°.79 6°.8/31.7 17

7 30	23 34.82	−21 30.9	1.842	2.687	14.5	21.5
8 9	23 29.73	−22 54.6	1.790	2.702	11.5	21.3
8 19	23 22.24	−24 17.9	1.761	2.717	8.7	21.2
8 29	23 12.99	−25 31.9	1.757	2.732	6.9	21.1
9 8	23 2.97	−26 28.3	1.780	2.745	7.5	21.2
9 18	22 53.27	−27 1.7	1.829	2.758	9.8	21.4
9 28	22 44.95	−27 9.9	1.903	2.771	12.5	21.6
10 8	22 38.78	−26 54.4	1.998	2.782	15.1	21.8

318691 2005 QV_{63} 9 7.2 229°.27 1°.5/ 5.3 18

7 30	23 25.10	− 6 38.4	2.350	3.174	12.5	20.6
8 9	23 21.77	− 7 36.6	2.261	3.168	9.7	20.4
8 19	23 16.70	− 8 45.9	2.194	3.161	6.5	20.2
8 29	23 10.31	−10 1.9	2.154	3.154	3.1	20.0
9 8	23 3.20	−11 18.6	2.143	3.147	1.8	19.9
9 18	22 56.09	−12 30.3	2.160	3.139	5.0	20.1
9 28	22 49.73	−13 31.3	2.205	3.131	8.3	20.3
10 8	22 44.77	−14 18.0	2.275	3.123	11.4	20.5

220391 2003 QM_{72} 9 7.2 312°.96 5°.9/12.9 18

7 30	23 25.70	+11 17.5	2.129	2.878	15.9	19.3
8 9	23 22.62	+11 55.5	2.024	2.861	13.7	19.1
8 19	23 17.53	+12 15.9	1.937	2.843	11.0	18.9
8 29	23 10.83	+12 16.7	1.873	2.826	8.3	18.7
9 8	23 3.15	+11 57.9	1.833	2.809	6.3	18.5
9 18	22 55.31	+11 21.8	1.818	2.793	6.3	18.5
9 28	22 48.24	+10 33.1	1.831	2.776	8.4	18.6
10 8	22 42.73	+ 9 38.4	1.868	2.760	11.3	18.8

391886 2008 UH_{30} 9 7.2 257°.54 2°.9/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.68	−11 8.9	2.004	2.840	13.9	22.5
8 9	23 25.80	−11 54.1	1.910	2.823	10.9	22.2
8 19	23 19.72	−12 48.2	1.837	2.806	7.4	22.0
8 29	23 11.90	−13 46.1	1.790	2.788	4.0	21.8
9 8	23 3.07	−14 41.0	1.771	2.770	3.3	21.7
9 18	22 54.16	−15 26.8	1.779	2.752	6.5	21.8
9 28	22 46.18	−15 58.2	1.813	2.733	10.3	22.0
10 8	22 39.97	−16 12.5	1.871	2.714	13.7	22.2

141574 2002 GZ_{137} 9 7.2 98°.96 3°.8/ 2.6 18

7 30	23 25.99	−14 52.9	2.285	3.129	12.1	19.9
8 9	23 22.44	−15 56.8	2.217	3.134	9.4	19.7
8 19	23 17.12	−17 5.3	2.171	3.139	6.5	19.6
8 29	23 10.48	−18 12.7	2.152	3.144	4.2	19.4
9 8	23 3.20	−19 12.8	2.161	3.149	4.3	19.4
9 18	22 56.03	−20 0.4	2.197	3.154	6.7	19.6
9 28	22 49.74	−20 31.9	2.260	3.159	9.5	19.8
10 8	22 44.95	−20 45.8	2.346	3.164	12.1	20.0

340415 2006 FD_{10} 9 7.2 147°.87 4°.8/12.5 18

7 30	23 30.23	+10 56.1	2.354	3.088	15.0	21.5
8 9	23 25.70	+11 10.8	2.269	3.098	12.6	21.4
8 19	23 19.33	+11 7.8	2.202	3.107	9.9	21.2
8 29	23 11.58	+10 46.5	2.160	3.116	7.1	21.1
9 8	23 3.11	+10 8.6	2.143	3.125	5.1	21.0
9 18	22 54.71	+ 9 17.5	2.155	3.132	5.2	21.0
9 28	22 47.17	+ 8 18.5	2.195	3.139	7.3	21.1
10 8	22 41.15	+ 7 17.7	2.262	3.146	10.0	21.3

94295 2001 DD_{97} 9 7.2 316°.51 1°.2/ 6.1 18

7 30	23 28.98	− 8 32.9	2.083	2.912	13.7	19.6
8 9	23 25.02	− 8 41.4	1.995	2.904	10.7	19.4
8 19	23 19.03	− 8 57.6	1.929	2.896	7.3	19.2
8 29	23 11.49	− 9 18.2	1.888	2.888	3.5	18.9
9 8	23 3.12	− 9 38.8	1.874	2.880	1.4	18.8
9 18	22 54.78	− 9 55.2	1.888	2.873	5.0	19.0
9 28	22 47.37	−10 3.7	1.929	2.866	8.7	19.2
10 8	22 41.63	−10 1.7	1.995	2.859	12.1	19.4

231449 2007 HH_{51} 9 7.2 110°.40 1°.8/ 5.6 18

7 30	23 29.60	− 7 28.1	1.770	2.605	15.5	21.1
8 9	23 25.72	− 8 11.3	1.701	2.614	12.0	20.9
8 19	23 19.58	− 9 5.9	1.654	2.622	8.1	20.7
8 29	23 11.75	−10 6.8	1.631	2.631	3.9	20.4
9 8	23 3.10	−11 6.9	1.635	2.639	2.1	20.3
9 18	22 54.63	−11 59.5	1.666	2.648	5.9	20.6
9 28	22 47.34	−12 39.2	1.723	2.656	9.9	20.8
10 8	22 41.99	−13 2.8	1.804	2.663	13.4	21.1

286738 2002 GE_{135} 9 7.2 171°.56 0°.5/ 6.6 18

7 30	23 26.94	− 5 32.8	2.635	3.446	11.6	21.9
8 9	23 22.91	− 5 59.5	2.550	3.448	9.1	21.7
8 19	23 17.31	− 6 34.9	2.488	3.450	6.2	21.5
8 29	23 10.55	− 7 15.9	2.453	3.452	2.9	21.3
9 8	23 3.21	− 7 58.8	2.446	3.453	0.7	21.2
9 18	22 55.92	− 8 39.3	2.469	3.454	3.9	21.4
9 28	22 49.36	− 9 13.7	2.520	3.455	7.0	21.6
10 8	22 44.08	− 9 39.1	2.597	3.455	9.8	21.8

16736 Tongariyama 9 7.2 103°.09 0°.0/ 7.1 18

7 30	23 27.24	− 1 31.9	1.679	2.503	16.6	18.2
8 9	23 24.02	− 2 21.6	1.608	2.511	13.1	18.0
8 19	23 18.51	− 3 29.4	1.556	2.519	9.0	17.8
8 29	23 11.26	− 4 50.7	1.529	2.527	4.4	17.5
9 8	23 3.15	− 6 17.9	1.527	2.535	0.4	17.2
9 18	22 55.17	− 7 42.7	1.554	2.542	5.2	17.6
9 28	22 48.36	− 8 57.1	1.606	2.550	9.6	17.9
10 8	22 43.50	− 9 55.4	1.682	2.557	13.4	18.1

151318 2002 CH_{123} 9 7.2 124°.54 1°.3/ 8.8 18

7 30	23 26.61	+ 1 0.2	2.512	3.300	12.8	20.7
8 9	23 22.68	+ 0 42.0	2.432	3.311	10.2	20.6
8 19	23 17.17	+ 0 11.3	2.373	3.321	7.2	20.4
8 29	23 10.48	− 0 29.8	2.341	3.332	4.0	20.2
9 8	23 3.23	− 1 18.0	2.336	3.341	1.4	20.0
9 18	22 56.06	− 2 8.8	2.361	3.351	3.5	20.2
9 28	22 49.66	− 2 57.8	2.414	3.360	6.6	20.4
10 8	22 44.60	− 3 40.7	2.494	3.369	9.5	20.6

285493 2000 CD_{135} 9 7.2 317°.19 0°.7/ 6.5 18

7 30	23 24.94	− 4 37.0	1.634	2.475	16.3	20.9
8 9	23 22.50	− 5 9.1	1.546	2.460	12.9	20.7
8 19	23 17.69	− 5 56.9	1.478	2.446	8.8	20.4
8 29	23 10.98	− 6 56.4	1.433	2.433	4.3	20.1
9 8	23 3.17	− 8 1.0	1.413	2.420	1.0	19.8
9 18	22 55.30	− 9 3.1	1.419	2.407	5.7	20.1
9 28	22 48.50	− 9 55.1	1.451	2.395	10.3	20.4
10 8	22 43.68	−10 31.8	1.505	2.384	14.4	20.6

119291 2001 RK_{132} 9 7.2 322°.68 2°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.30	− 7 54.6	1.309	2.172	18.2	19.8
8 9	23 23.44	− 8 26.9	1.225	2.154	14.4	19.5
8 19	23 18.72	− 9 14.7	1.160	2.136	9.8	19.2
8 29	23 11.62	−10 12.5	1.117	2.119	4.8	18.9
9 8	23 3.11	−11 11.8	1.097	2.102	2.7	18.7
9 18	22 54.49	−12 3.4	1.102	2.087	7.5	18.9
9 28	22 47.20	−12 39.1	1.129	2.072	12.7	19.2
10 8	22 42.39	−12 54.0	1.176	2.058	17.3	19.4

3856 Lutskij 9 7.2 299°.45 0°.0/ 7.1 18

7 30	23 27.09	− 3 59.8	1.999	2.820	14.4	16.6
8 9	23 23.63	− 4 18.1	1.912	2.815	11.4	16.4
8 19	23 18.13	− 4 48.6	1.847	2.810	7.9	16.1
8 29	23 11.08	− 5 28.3	1.806	2.804	3.9	15.9
9 8	23 3.18	− 6 12.4	1.792	2.799	0.4	15.6
9 18	22 55.30	− 6 55.7	1.805	2.794	4.6	15.9
9 28	22 48.35	− 7 32.9	1.846	2.789	8.5	16.1
10 8	22 43.07	− 7 59.8	1.911	2.784	12.1	16.4

4448 Phildavis 9 7.2 210°.62 9°.0/28.4 18 R

7 30	23 31.74	−27 49.5	1.897	2.747	14.0	16.2
8 9	23 27.63	−29 29.4	1.837	2.743	11.6	16.0
8 19	23 21.04	−31 5.6	1.800	2.740	9.7	15.9
8 29	23 12.53	−32 28.1	1.787	2.736	9.0	15.9
9 8	23 3.05	−33 28.1	1.800	2.732	9.9	15.9
9 18	22 53.72	−33 59.8	1.836	2.727	11.9	16.0
9 28	22 45.66	−34 1.5	1.895	2.723	14.3	16.2
10 8	22 39.74	−33 35.2	1.973	2.717	16.5	16.3

391505 2007 RC_{8} 9 7.2 144°.17 6°.4/ 5.1 15

7 30	23 52.66	−20 14.2	1.103	1.951	21.9	20.4
8 9	23 45.46	−20 6.0	1.039	1.954	17.6	20.2
8 19	23 33.93	−19 54.4	0.992	1.957	12.6	19.9
8 29	23 19.00	−19 29.9	0.967	1.959	7.9	19.6
9 8	23 2.51	−18 44.5	0.967	1.961	6.7	19.6
9 18	22 46.69	−17 35.6	0.992	1.963	10.5	19.8
9 28	22 33.62	−16 5.7	1.040	1.965	15.5	20.1
10 8	22 24.54	−14 21.1	1.110	1.967	20.0	20.4

440921 2006 WO_{79} 9 7.2 348°.68 5°.3/11.9 15

7 30	23 25.02	+ 8 35.5	1.744	2.526	17.8	21.2
8 9	23 22.38	+ 9 2.2	1.658	2.521	15.0	21.0
8 19	23 17.50	+ 9 8.2	1.590	2.517	11.7	20.8
8 29	23 10.84	+ 8 52.4	1.543	2.513	8.2	20.6
9 8	23 3.20	+ 8 16.4	1.521	2.510	5.6	20.5
9 18	22 55.54	+ 7 24.6	1.523	2.507	5.9	20.5
9 28	22 48.89	+ 6 23.6	1.551	2.506	8.9	20.7
10 8	22 44.11	+ 5 21.6	1.603	2.504	12.4	20.9

144131 2004 BN_{89} 9 7.2 242°.42 3°.6/10.6 18

7 30	23 28.61	+ 5 23.9	2.110	2.886	15.3	20.4
8 9	23 24.76	+ 5 39.5	2.016	2.880	12.6	20.2
8 19	23 18.90	+ 5 39.1	1.942	2.874	9.5	20.0
8 29	23 11.47	+ 5 22.8	1.891	2.869	6.2	19.8
9 8	23 3.16	+ 4 52.7	1.866	2.862	3.7	19.6
9 18	22 54.80	+ 4 12.4	1.869	2.856	4.7	19.6
9 28	22 47.32	+ 3 27.2	1.900	2.850	7.8	19.8
10 8	22 41.46	+ 2 42.9	1.956	2.844	11.1	20.0

368873 2006 QN_{131} 9 7.2 357°.94 6°.4/11.4 15

7 30	23 21.68	+ 5 44.1	0.992	1.840	23.9	20.2
8 9	23 21.17	+ 6 40.0	0.927	1.834	20.0	20.0
8 19	23 17.44	+ 7 8.9	0.877	1.830	15.5	19.7
8 29	23 11.06	+ 7 7.7	0.844	1.828	10.5	19.4
9 8	23 3.18	+ 6 38.3	0.831	1.828	6.8	19.2
9 18	22 55.35	+ 5 46.8	0.838	1.829	7.7	19.3
9 28	22 49.19	+ 4 44.3	0.866	1.832	12.1	19.5
10 8	22 45.92	+ 3 43.1	0.913	1.837	16.8	19.8

508045 2015 BT_{534} 9 7.2 231°.46 3°.8/10.3 18

7 30	23 30.84	+ 4 45.1	1.712	2.502	17.7	21.3
8 9	23 27.03	+ 5 1.0	1.622	2.496	14.7	21.1
8 19	23 20.75	+ 4 58.1	1.550	2.489	11.0	20.8
8 29	23 12.48	+ 4 36.1	1.501	2.483	7.0	20.6
9 8	23 3.07	+ 3 57.7	1.477	2.476	3.9	20.4
9 18	22 53.59	+ 3 7.6	1.479	2.468	5.3	20.5
9 28	22 45.21	+ 2 13.0	1.508	2.461	9.3	20.7
10 8	22 38.88	+ 1 21.1	1.561	2.453	13.2	20.9

360869 2005 RJ_{46} 9 7.2 250°.52 2°.4/ 4.4 18

7 30	23 25.07	− 9 19.0	2.184	3.020	12.9	21.5
8 9	23 21.87	−10 18.7	2.103	3.017	10.0	21.3
8 19	23 16.83	−11 28.0	2.046	3.015	6.7	21.1
8 29	23 10.41	−12 41.6	2.014	3.013	3.4	20.8
9 8	23 3.26	−13 53.1	2.010	3.011	2.7	20.8
9 18	22 56.15	−14 56.6	2.034	3.008	5.7	21.0
9 28	22 49.89	−15 46.7	2.085	3.006	9.1	21.2
10 8	22 45.14	−16 20.5	2.161	3.004	12.1	21.4

426174 2012 JG_{9} 9 7.2 85°.26 2°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.10	− 8 4.3	1.500	2.345	17.3	21.2
8 9	23 27.29	− 8 41.8	1.436	2.354	13.5	21.0
8 19	23 20.87	− 9 31.7	1.392	2.362	9.1	20.8
8 29	23 12.47	−10 27.9	1.371	2.371	4.4	20.5
9 8	23 3.11	−11 22.6	1.375	2.380	2.4	20.4
9 18	22 53.99	−12 8.6	1.406	2.389	6.6	20.7
9 28	22 46.29	−12 39.8	1.462	2.397	11.0	21.0
10 8	22 40.88	−12 53.3	1.540	2.406	14.9	21.3

426065 2012 BM_{125} 9 7.2 199°.31 0°.1/ 7.1 17

7 30	23 29.87	− 2 13.6	1.617	2.441	17.2	22.5
8 9	23 26.32	− 2 53.7	1.536	2.440	13.6	22.3
8 19	23 20.28	− 3 51.9	1.474	2.437	9.4	22.0
8 29	23 12.24	− 5 4.3	1.436	2.434	4.6	21.7
9 8	23 3.13	− 6 23.7	1.424	2.431	0.5	21.4
9 18	22 54.04	− 7 41.6	1.439	2.427	5.5	21.8
9 28	22 46.15	− 8 49.7	1.480	2.423	10.2	22.0
10 8	22 40.38	− 9 42.0	1.544	2.419	14.4	22.3

298698 2004 EH_{39} 9 7.2 270°.60 0°.9/ 6.5 18

7 30	23 31.34	− 7 38.3	2.027	2.850	14.2	20.6
8 9	23 26.99	− 7 44.1	1.935	2.839	11.2	20.4
8 19	23 20.48	− 7 58.3	1.863	2.828	7.7	20.2
8 29	23 12.28	− 8 17.9	1.817	2.816	3.7	19.9
9 8	23 3.13	− 8 38.5	1.798	2.805	1.1	19.7
9 18	22 53.97	− 8 55.7	1.808	2.793	5.0	19.9
9 28	22 45.77	− 9 5.6	1.844	2.782	9.0	20.2
10 8	22 39.33	− 9 5.2	1.905	2.770	12.5	20.4

172179 2002 PK_{47} 9 7.2 319°.58 16°.1/ 9.9 16

7 30	23 41.77	+ 9 0.0	0.920	1.731	28.0	19.8
8 9	23 38.50	+12 34.5	0.842	1.714	24.8	19.4
8 19	23 30.61	+16 3.4	0.779	1.698	21.3	19.1
8 29	23 18.24	+19 12.0	0.734	1.682	18.0	18.9
9 8	23 2.56	+21 43.8	0.707	1.667	16.2	18.7
9 18	22 45.78	+23 25.3	0.701	1.654	17.0	18.7
9 28	22 30.79	+24 14.4	0.713	1.641	20.1	18.8
10 8	22 20.02	+24 21.9	0.741	1.630	23.9	19.0

508164 2015 FG_{198} 9 7.2 191°.39 2°.2/ 9.2 17

7 30	23 31.40	+ 2 12.9	1.962	2.752	15.8	22.2
8 9	23 27.07	+ 2 8.2	1.873	2.751	12.8	22.0
8 19	23 20.54	+ 1 47.2	1.803	2.749	9.3	21.8
8 29	23 12.31	+ 1 11.4	1.758	2.747	5.4	21.6
9 8	23 3.14	+ 0 24.3	1.740	2.744	2.3	21.4
9 18	22 53.97	− 0 28.9	1.750	2.740	4.5	21.5
9 28	22 45.80	− 1 22.0	1.788	2.736	8.4	21.7
10 8	22 39.44	− 2 9.1	1.850	2.731	12.0	21.9

101442 1998 VP_{42} 9 7.2 329°.07 3°.8/ 4.2 18

7 30	23 27.39	−12 54.4	1.521	2.381	16.3	19.8
8 9	23 24.65	−13 29.8	1.440	2.367	12.8	19.5
8 19	23 19.28	−14 13.7	1.380	2.354	8.8	19.3
8 29	23 11.81	−14 59.5	1.343	2.341	5.0	19.0
9 8	23 3.17	−15 39.4	1.330	2.329	4.3	18.9
9 18	22 54.55	−16 6.3	1.342	2.317	7.9	19.1
9 28	22 47.18	−16 15.0	1.379	2.307	12.2	19.3
10 8	22 42.04	−16 3.7	1.436	2.297	16.1	19.6

261858 2006 EC_{39} 9 7.2 236°.81 4°.3/13.8 18

7 30	23 23.84	+14 32.0	2.921	3.629	12.8	21.2
8 9	23 20.52	+14 10.8	2.808	3.617	11.0	21.0
8 19	23 15.75	+13 31.2	2.715	3.604	8.9	20.9
8 29	23 9.86	+12 32.9	2.645	3.591	6.6	20.7
9 8	23 3.35	+11 17.8	2.603	3.578	4.7	20.6
9 18	22 56.79	+ 9 49.4	2.589	3.565	4.5	20.5
9 28	22 50.81	+ 8 13.2	2.605	3.551	6.3	20.6
10 8	22 45.95	+ 6 35.3	2.649	3.536	8.6	20.7

347523 1999 TU_{141} 9 7.2 311°.18 3°.3/ 4.8 18 R

7 30	23 29.02	−11 43.7	1.523	2.378	16.5	20.4
8 9	23 26.19	−12 10.8	1.424	2.347	13.1	20.1
8 19	23 20.58	−12 47.8	1.344	2.316	9.1	19.8
8 29	23 12.59	−13 29.2	1.286	2.286	4.9	19.5
9 8	23 3.10	−14 7.3	1.254	2.255	3.8	19.3
9 18	22 53.32	−14 34.6	1.246	2.225	7.8	19.5
9 28	22 44.66	−14 44.8	1.263	2.196	12.6	19.7
10 8	22 38.29	−14 34.9	1.301	2.167	17.1	19.9

387755 2003 SJ_{47} 9 7.2 6°.50 4°.7/10.4 18

7 30	23 29.42	+ 3 54.9	1.457	2.267	19.4	19.9
8 9	23 26.22	+ 4 42.5	1.382	2.267	16.0	19.6
8 19	23 20.33	+ 5 11.8	1.325	2.268	12.1	19.4
8 29	23 12.31	+ 5 21.6	1.288	2.270	7.9	19.2
9 8	23 3.14	+ 5 13.5	1.276	2.273	4.8	19.0
9 18	22 54.04	+ 4 51.4	1.288	2.276	6.1	19.1
9 28	22 46.27	+ 4 21.7	1.325	2.280	9.9	19.3
10 8	22 40.80	+ 3 51.6	1.384	2.285	13.9	19.6

13666 1997 GX_{22} 9 7.2 62°.29 0°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.66	− 3 33.7	1.393	2.233	18.6	18.4
8 9	23 26.24	− 4 6.3	1.336	2.249	14.6	18.2
8 19	23 20.16	− 4 56.0	1.298	2.265	9.9	18.0
8 29	23 12.12	− 5 57.6	1.282	2.282	4.8	17.7
9 8	23 3.17	− 7 3.2	1.292	2.299	0.7	17.5
9 18	22 54.54	− 8 4.4	1.327	2.316	5.8	17.9
9 28	22 47.41	− 8 53.9	1.387	2.333	10.5	18.2
10 8	22 42.61	− 9 27.0	1.469	2.350	14.6	18.5

38741 2000 QO_{180} 9 7.2 259°.29 6°.4/ 1.6 18

7 30	23 34.02	−21 28.7	1.902	2.746	14.2	18.1
8 9	23 29.38	−22 21.1	1.820	2.733	11.4	17.9
8 19	23 22.26	−23 14.1	1.761	2.719	8.5	17.7
8 29	23 13.19	−24 0.0	1.726	2.705	6.6	17.5
9 8	23 3.08	−24 31.3	1.718	2.691	6.9	17.5
9 18	22 53.02	−24 42.4	1.736	2.677	9.4	17.7
9 28	22 44.15	−24 30.5	1.779	2.662	12.5	17.8
10 8	22 37.38	−23 56.6	1.843	2.647	15.4	18.0

43465 2001 AV_{10} 9 7.2 193°.64 0°.5/ 7.7 18

7 30	23 27.52	− 1 30.1	1.909	2.724	15.3	19.7
8 9	23 24.05	− 1 58.2	1.826	2.723	12.1	19.5
8 19	23 18.48	− 2 41.6	1.763	2.723	8.4	19.3
8 29	23 11.29	− 3 37.2	1.725	2.722	4.3	19.0
9 8	23 3.24	− 4 39.7	1.714	2.721	0.5	18.7
9 18	22 55.24	− 5 42.6	1.730	2.720	4.6	19.1
9 28	22 48.22	− 6 39.7	1.773	2.718	8.7	19.3
10 8	22 42.95	− 7 25.5	1.841	2.717	12.3	19.5

266772 2009 SW_{172} 9 7.2 282°.55 1°.5/10.3 17

7 30	23 19.35	+ 3 53.0	4.361	5.123	8.2	21.0
8 9	23 16.45	+ 3 43.5	4.262	5.120	6.6	20.9
8 19	23 12.67	+ 3 26.0	4.185	5.118	4.9	20.8
8 29	23 8.25	+ 3 1.3	4.135	5.115	3.0	20.6
9 8	23 3.51	+ 2 31.0	4.114	5.113	1.6	20.5
9 18	22 58.77	+ 1 57.1	4.122	5.110	2.3	20.6
9 28	22 54.40	+ 1 21.9	4.160	5.108	4.0	20.7
10 8	22 50.70	+ 0 47.9	4.226	5.105	5.8	20.8

278792 2008 SK_{202} 9 7.2 188°.96 2°.9/ 3.7 18

7 30	23 27.26	−14 54.7	2.738	3.570	10.7	21.2
8 9	23 23.13	−15 27.1	2.659	3.569	8.3	21.1
8 19	23 17.46	−16 2.4	2.604	3.569	5.7	20.9
8 29	23 10.66	−16 36.8	2.575	3.569	3.4	20.7
9 8	23 3.31	−17 6.0	2.575	3.568	3.2	20.7
9 18	22 56.03	−17 26.5	2.604	3.568	5.3	20.9
9 28	22 49.49	−17 35.8	2.660	3.567	7.9	21.0
10 8	22 44.23	−17 32.6	2.741	3.566	10.3	21.2

44079 1998 FK_{71} 9 7.2 86°.73 1°.0/ 8.0 18

7 30	23 31.08	− 0 47.4	1.472	2.296	18.6	19.7
8 9	23 27.29	− 1 4.6	1.408	2.310	14.8	19.5
8 19	23 20.87	− 1 40.2	1.363	2.323	10.3	19.3
8 29	23 12.48	− 2 30.8	1.340	2.336	5.4	19.0
9 8	23 3.15	− 3 30.1	1.343	2.350	1.0	18.8
9 18	22 54.07	− 4 30.3	1.371	2.363	5.2	19.1
9 28	22 46.41	− 5 23.8	1.426	2.375	9.9	19.4
10 8	22 41.05	− 6 4.7	1.503	2.388	14.0	19.7

299162 2005 GM_{12} 9 7.2 136°.89 4°.1/ 3.4 18

7 30	23 31.78	−16 7.3	2.041	2.881	13.5	20.2
8 9	23 27.18	−16 48.8	1.972	2.886	10.5	20.0
8 19	23 20.47	−17 33.6	1.925	2.891	7.4	19.9
8 29	23 12.20	−18 15.8	1.903	2.895	4.7	19.7
9 8	23 3.18	−18 49.4	1.909	2.900	4.5	19.7
9 18	22 54.34	−19 9.6	1.943	2.904	7.1	19.9
9 28	22 46.61	−19 13.5	2.003	2.908	10.2	20.1
10 8	22 40.70	−19 0.6	2.086	2.912	13.1	20.3

37596 Cotahuasi 9 7.2 194°.48 7°.2/16.7 18

7 30	23 29.81	+21 18.1	2.504	3.162	15.8	20.1
8 9	23 25.51	+21 27.8	2.399	3.159	14.0	19.9
8 19	23 19.33	+21 14.9	2.312	3.155	11.9	19.7
8 29	23 11.69	+20 37.0	2.246	3.150	9.7	19.6
9 8	23 3.22	+19 34.5	2.204	3.145	7.9	19.5
9 18	22 54.70	+18 9.9	2.190	3.138	7.3	19.4
9 28	22 46.97	+16 29.1	2.204	3.131	8.3	19.5
10 8	22 40.74	+14 40.1	2.244	3.122	10.3	19.6

260154 2004 RS_{33} 9 7.2 345°.40 2°.9/ 4.0 18

7 30	23 21.31	− 8 15.6	1.754	2.607	14.8	19.9
8 9	23 19.44	− 9 34.9	1.675	2.599	11.5	19.7
8 19	23 15.47	−11 8.3	1.619	2.593	7.7	19.5
8 29	23 9.86	−12 49.0	1.587	2.587	4.0	19.2
9 8	23 3.37	−14 28.2	1.581	2.582	3.4	19.2
9 18	22 56.90	−15 56.8	1.603	2.577	6.9	19.4
9 28	22 51.41	−17 7.5	1.649	2.573	10.8	19.6
10 8	22 47.68	−17 56.1	1.718	2.570	14.3	19.8

340423 2006 FQ_{23} 9 7.2 144°.90 1°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.60	+ 1 21.5	2.097	2.894	14.7	21.5
8 9	23 23.85	+ 0 48.2	2.016	2.901	11.8	21.4
8 19	23 18.20	− 0 1.1	1.957	2.908	8.3	21.2
8 29	23 11.10	− 1 3.9	1.922	2.914	4.5	20.9
9 8	23 3.28	− 2 15.1	1.914	2.921	1.2	20.7
9 18	22 55.54	− 3 28.7	1.936	2.926	4.0	20.9
9 28	22 48.72	− 4 38.2	1.985	2.932	7.8	21.2
10 8	22 43.50	− 5 38.1	2.060	2.937	11.2	21.4

92100 1999 XR_{43} 9 7.2 265°.15 2°.4/ 9.8 18

7 30	23 25.99	+ 3 26.7	2.439	3.219	13.3	20.1
8 9	23 22.47	+ 3 24.0	2.336	3.207	10.9	20.0
8 19	23 17.23	+ 3 7.4	2.254	3.194	8.0	19.8
8 29	23 10.65	+ 2 37.8	2.196	3.181	4.9	19.5
9 8	23 3.31	+ 1 57.7	2.166	3.167	2.4	19.4
9 18	22 55.90	+ 1 10.8	2.164	3.154	3.8	19.4
9 28	22 49.19	+ 0 22.1	2.191	3.141	7.0	19.6
10 8	22 43.81	− 0 23.6	2.244	3.127	10.1	19.8

275343 2010 XF_{52} 9 7.2 302°.94 6°.2/30.5 18

7 30	23 24.15	−19 6.8	2.028	2.886	12.9	20.2
8 9	23 21.56	−20 48.0	1.946	2.869	10.2	20.0
8 19	23 16.89	−22 34.6	1.888	2.851	7.7	19.8
8 29	23 10.57	−24 18.2	1.856	2.834	6.2	19.7
9 8	23 3.32	−25 49.8	1.850	2.817	7.1	19.7
9 18	22 56.00	−27 1.9	1.871	2.801	9.5	19.8
9 28	22 49.58	−27 49.4	1.916	2.784	12.4	20.0
10 8	22 44.84	−28 10.9	1.981	2.768	15.1	20.1

112218 2002 JF_{148} 9 7.2 256°.91 5°.0/ 2.9 18

7 30	23 29.82	−13 10.1	1.511	2.368	16.6	19.8
8 9	23 26.66	−14 26.8	1.431	2.356	13.0	19.5
8 19	23 20.74	−15 55.1	1.372	2.344	9.0	19.2
8 29	23 12.59	−17 26.4	1.337	2.332	5.6	19.0
9 8	23 3.16	−18 49.8	1.327	2.319	5.7	19.0
9 18	22 53.69	−19 55.7	1.342	2.306	9.2	19.2
9 28	22 45.51	−20 37.2	1.382	2.293	13.4	19.4
10 8	22 39.66	−20 51.8	1.442	2.280	17.3	19.6

264147 2009 UF_{132} 9 7.2 309°.18 1°.9/10.9 16

7 30	23 19.93	+ 5 14.4	4.380	5.132	8.3	20.2
8 9	23 16.90	+ 5 14.2	4.278	5.128	6.8	20.1
8 19	23 12.99	+ 5 5.8	4.199	5.124	5.1	20.0
8 29	23 8.42	+ 4 49.8	4.146	5.120	3.3	19.9
9 8	23 3.53	+ 4 27.6	4.122	5.117	2.0	19.8
9 18	22 58.63	+ 4 0.9	4.127	5.113	2.4	19.8
9 28	22 54.09	+ 3 31.9	4.162	5.109	4.1	19.9
10 8	22 50.23	+ 3 3.0	4.224	5.106	5.8	20.0

287806 2003 SH_{172} 9 7.2 349°.66 2°.3/ 8.7 18

7 30	23 25.58	− 0 10.6	1.114	1.967	21.4	20.4
8 9	23 23.98	+ 0 4.9	1.043	1.960	17.4	20.2
8 19	23 19.25	− 0 1.1	0.989	1.954	12.5	19.9
8 29	23 11.95	− 0 27.7	0.954	1.950	7.0	19.6
9 8	23 3.21	− 1 9.4	0.941	1.946	2.4	19.3
9 18	22 54.51	− 1 58.6	0.950	1.944	6.2	19.5
9 28	22 47.40	− 2 45.5	0.982	1.943	11.8	19.8
10 8	22 43.05	− 3 21.7	1.033	1.943	16.8	20.1

298690 2004 DX_{64} 9 7.2 275°.37 0°.3/ 7.6 18

7 30	23 26.84	− 2 26.1	1.988	2.804	14.7	21.0
8 9	23 23.47	− 2 48.4	1.901	2.800	11.7	20.7
8 19	23 18.07	− 3 24.5	1.835	2.795	8.1	20.5
8 29	23 11.11	− 4 11.4	1.793	2.790	4.1	20.3
9 8	23 3.29	− 5 4.3	1.778	2.786	0.4	20.0
9 18	22 55.49	− 5 57.6	1.791	2.781	4.5	20.3
9 28	22 48.62	− 6 45.3	1.832	2.777	8.5	20.5
10 8	22 43.41	− 7 22.8	1.896	2.772	12.0	20.7

111464 2001 XC_{262} 9 7.2 106°.86 1°.2/ 5.9 18

7 30	23 26.63	− 6 46.2	2.105	2.933	13.6	20.0
8 9	23 23.13	− 7 23.8	2.026	2.935	10.6	19.8
8 19	23 17.72	− 8 11.8	1.969	2.936	7.1	19.6
8 29	23 10.89	− 9 6.1	1.937	2.937	3.4	19.4
9 8	23 3.32	−10 1.1	1.933	2.939	1.5	19.3
9 18	22 55.83	−10 51.3	1.957	2.940	5.0	19.5
9 28	22 49.25	−11 31.8	2.008	2.941	8.6	19.7
10 8	22 44.25	−11 59.1	2.083	2.943	11.8	20.0

223788 2004 SK_{50} 9 7.2 223°.32 6°.7/31.6 18 R

7 30	23 35.67	−27 33.3	2.405	3.235	12.1	20.2
8 9	23 29.99	−28 11.9	2.336	3.232	9.9	20.0
8 19	23 22.27	−28 45.4	2.290	3.230	7.9	19.9
8 29	23 13.05	−29 7.6	2.269	3.227	6.8	19.8
9 8	23 3.15	−29 13.4	2.275	3.224	7.2	19.9
9 18	22 53.48	−28 59.8	2.309	3.221	8.8	20.0
9 28	22 44.93	−28 26.1	2.368	3.219	11.0	20.1
10 8	22 38.17	−27 34.1	2.450	3.216	13.1	20.2

396215 2013 YR_{58} 9 7.2 178°.33 1°.8/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.19	− 7 28.6	2.095	2.922	13.7	21.9
8 9	23 24.38	− 8 25.0	2.015	2.923	10.6	21.7
8 19	23 18.60	− 9 32.5	1.957	2.924	7.1	21.5
8 29	23 11.34	−10 46.0	1.925	2.925	3.5	21.3
9 8	23 3.29	−11 59.0	1.921	2.925	2.2	21.2
9 18	22 55.30	−13 5.1	1.946	2.924	5.5	21.4
9 28	22 48.24	−13 58.6	1.998	2.924	9.1	21.6
10 8	22 42.82	−14 36.3	2.074	2.922	12.3	21.8

221500 2006 DU_{23} 9 7.2 224°.81 0°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.18	− 5 53.7	2.733	3.545	11.2	21.4
8 9	23 22.36	− 6 20.9	2.639	3.537	8.8	21.2
8 19	23 17.00	− 6 56.6	2.568	3.530	6.0	21.1
8 29	23 10.50	− 7 37.8	2.523	3.522	2.9	20.8
9 8	23 3.37	− 8 20.8	2.508	3.514	0.8	20.7
9 18	22 56.24	− 9 1.6	2.521	3.506	3.9	20.9
9 28	22 49.77	− 9 36.4	2.564	3.498	6.9	21.1
10 8	22 44.52	−10 2.2	2.632	3.489	9.7	21.3

180385 2003 YJ_{151} 9 7.2 152°.05 3°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.56	−15 38.5	2.217	3.048	12.9	20.4
8 9	23 28.38	−16 6.4	2.144	3.053	10.1	20.2
8 19	23 21.20	−16 37.0	2.094	3.058	7.0	20.0
8 29	23 12.55	−17 5.4	2.069	3.062	4.2	19.9
9 8	23 3.20	−17 26.6	2.073	3.067	3.8	19.9
9 18	22 54.03	−17 36.5	2.106	3.070	6.3	20.0
9 28	22 45.91	−17 32.8	2.165	3.074	9.4	20.2
10 8	22 39.52	−17 14.8	2.249	3.077	12.2	20.4

54378 2000 KB_{60} 9 7.2 198°.58 4°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.43	−13 50.4	1.736	2.584	15.1	19.4
8 9	23 26.62	−14 53.7	1.663	2.583	11.8	19.2
8 19	23 20.39	−16 4.6	1.612	2.581	8.2	19.0
8 29	23 12.29	−17 15.8	1.585	2.579	5.0	18.8
9 8	23 3.23	−18 19.0	1.585	2.577	4.9	18.8
9 18	22 54.27	−19 6.8	1.611	2.575	8.0	19.0
9 28	22 46.52	−19 34.6	1.663	2.573	11.7	19.2
10 8	22 40.81	−19 40.8	1.736	2.570	15.0	19.4

399729 2004 YH_{20} 9 7.2 312°.70 9°.9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.33	−29 56.9	2.008	2.865	13.0	20.2
8 9	23 22.04	−32 19.8	1.938	2.843	11.2	20.0
8 19	23 17.44	−34 40.7	1.892	2.820	10.0	19.9
8 29	23 10.95	−36 48.6	1.871	2.798	10.1	19.8
9 8	23 3.33	−38 33.2	1.876	2.776	11.4	19.9
9 18	22 55.58	−39 47.0	1.904	2.755	13.4	20.0
9 28	22 48.80	−40 26.8	1.952	2.734	15.6	20.1
10 8	22 43.93	−40 33.4	2.017	2.713	17.6	20.2

268876 2007 AU_{21} 9 7.2 238°.37 0°.8/ 6.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.15	− 5 39.4	1.819	2.644	15.5	21.9
8 9	23 27.16	− 6 4.2	1.728	2.633	12.3	21.6
8 19	23 20.79	− 6 41.6	1.658	2.623	8.4	21.4
8 29	23 12.53	− 7 28.0	1.612	2.611	4.1	21.1
9 8	23 3.21	− 8 17.6	1.593	2.600	1.1	20.8
9 18	22 53.83	− 9 4.2	1.601	2.588	5.4	21.1
9 28	22 45.50	− 9 41.6	1.637	2.575	9.8	21.4
10 8	22 39.12	−10 5.8	1.696	2.562	13.7	21.6

64126 2001 TD_{22} 9 7.2 301°.69 0°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.50	− 4 34.9	1.979	2.802	14.5	19.9
8 9	23 23.99	− 4 55.3	1.895	2.799	11.4	19.7
8 19	23 18.43	− 5 27.7	1.831	2.795	7.8	19.5
8 29	23 11.29	− 6 8.8	1.793	2.792	3.8	19.3
9 8	23 3.32	− 6 53.6	1.781	2.788	0.5	19.0
9 18	22 55.38	− 7 36.7	1.797	2.785	4.7	19.3
9 28	22 48.40	− 8 13.0	1.840	2.782	8.7	19.5
10 8	22 43.11	− 8 38.3	1.907	2.778	12.2	19.8

158248 2001 TY_{61} 9 7.2 307°.13 1°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.34	− 7 38.7	1.460	2.310	17.4	20.3
8 9	23 25.61	− 8 0.6	1.370	2.291	13.8	20.0
8 19	23 20.13	− 8 36.0	1.300	2.272	9.4	19.7
8 29	23 12.36	− 9 20.3	1.252	2.253	4.6	19.4
9 8	23 3.22	−10 6.6	1.229	2.235	2.0	19.1
9 18	22 53.94	−10 47.1	1.231	2.217	6.7	19.4
9 28	22 45.88	−11 14.8	1.257	2.199	11.8	19.6
10 8	22 40.14	−11 25.4	1.304	2.182	16.3	19.8

355521 2008 AV_{47} 9 7.2 320°.67 3°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.90	−12 24.1	1.771	2.623	14.7	20.6
8 9	23 23.06	−13 25.1	1.692	2.616	11.4	20.3
8 19	23 17.97	−14 35.2	1.636	2.608	7.8	20.1
8 29	23 11.12	−15 47.7	1.604	2.600	4.6	19.9
9 8	23 3.33	−16 54.6	1.598	2.593	4.3	19.9
9 18	22 55.58	−17 48.6	1.618	2.587	7.5	20.1
9 28	22 48.89	−18 24.2	1.663	2.580	11.2	20.3
10 8	22 44.08	−18 39.0	1.731	2.574	14.6	20.5

309608 2008 BG_{37} 9 7.2 72°.36 0°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.83	− 1 53.2	2.031	2.844	14.5	21.7
8 9	23 23.36	− 2 14.4	1.950	2.846	11.5	21.5
8 19	23 17.94	− 2 49.2	1.890	2.849	8.0	21.3
8 29	23 11.03	− 3 34.7	1.854	2.851	4.1	21.1
9 8	23 3.36	− 4 26.2	1.846	2.853	0.5	20.8
9 18	22 55.75	− 5 18.4	1.865	2.855	4.3	21.1
9 28	22 49.08	− 6 5.5	1.912	2.858	8.1	21.4
10 8	22 44.04	− 6 43.1	1.983	2.860	11.6	21.6

387672 2002 SC_{43} 9 7.2 13°.72 3°.5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.02	−10 53.4	1.353	2.221	17.5	19.5
8 9	23 22.84	−11 40.8	1.294	2.225	13.6	19.3
8 19	23 18.01	−12 39.0	1.255	2.231	9.2	19.0
8 29	23 11.16	−13 40.7	1.237	2.237	4.9	18.8
9 8	23 3.35	−14 36.7	1.244	2.245	4.0	18.8
9 18	22 55.77	−15 19.2	1.276	2.254	7.8	19.0
9 28	22 49.62	−15 42.5	1.330	2.263	12.1	19.3
10 8	22 45.75	−15 44.5	1.406	2.274	15.9	19.6

523571 2018 DY_{2} 9 7.2 219°.29 1°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.55	− 0 1.6	2.052	2.856	14.7	22.0
8 9	23 23.96	− 0 15.0	1.965	2.854	11.8	21.8
8 19	23 18.38	− 0 42.9	1.898	2.852	8.4	21.5
8 29	23 11.27	− 1 23.1	1.856	2.850	4.5	21.3
9 8	23 3.35	− 2 11.6	1.841	2.847	1.3	21.1
9 18	22 55.44	− 3 3.2	1.854	2.845	4.2	21.3
9 28	22 48.45	− 3 52.2	1.894	2.842	8.0	21.5
10 8	22 43.08	− 4 33.6	1.959	2.840	11.5	21.7

478588 2012 TC_{104} 9 7.2 31°.28 1°.2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.94	− 8 10.3	1.281	2.135	19.1	20.7
8 9	23 28.26	− 8 7.4	1.226	2.148	15.0	20.4
8 19	23 21.67	− 8 15.8	1.190	2.162	10.1	20.2
8 29	23 12.92	− 8 30.7	1.176	2.176	4.9	20.0
9 8	23 3.22	− 8 46.1	1.185	2.192	1.5	19.8
9 18	22 53.92	− 8 56.1	1.220	2.208	6.3	20.1
9 28	22 46.32	− 8 56.3	1.279	2.226	11.2	20.5
10 8	22 41.29	− 8 43.9	1.359	2.243	15.3	20.8

239326 2007 RR_{41} 9 7.2 349°.36 3°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.79	−12 49.0	1.543	2.392	16.6	19.8
8 9	23 28.74	−12 56.0	1.468	2.388	13.1	19.6
8 19	23 21.98	−13 8.8	1.414	2.385	8.9	19.3
8 29	23 13.13	−13 22.1	1.383	2.382	4.7	19.1
9 8	23 3.21	−13 30.1	1.377	2.380	3.3	19.0
9 18	22 53.44	−13 27.6	1.398	2.378	7.0	19.2
9 28	22 45.08	−13 11.4	1.443	2.376	11.3	19.5
10 8	22 39.05	−12 40.6	1.511	2.376	15.2	19.7

379155 Volkerheinrich 9 7.2 26°.15 2°.9/ 5.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.52	− 6 51.4	1.032	1.912	20.8	20.4
8 9	23 22.24	− 7 55.3	0.986	1.924	16.1	20.2
8 19	23 17.87	− 9 17.9	0.958	1.937	10.8	19.9
8 29	23 11.15	−10 49.8	0.950	1.952	5.2	19.7
9 8	23 3.38	−12 18.3	0.964	1.968	3.4	19.6
9 18	22 56.00	−13 31.6	1.001	1.986	8.2	20.0
9 28	22 50.38	−14 21.5	1.060	2.004	13.2	20.3
10 8	22 47.43	−14 44.5	1.138	2.023	17.6	20.6

250317 2003 RO_{15} 9 7.2 350°.47 7°.6/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.54	+10 1.9	0.939	1.785	25.0	18.8
8 9	23 15.72	+10 40.5	0.870	1.773	21.4	18.5
8 19	23 13.86	+10 43.2	0.815	1.762	17.1	18.2
8 29	23 9.44	+10 5.8	0.775	1.754	12.3	17.9
9 8	23 3.50	+ 8 49.9	0.754	1.748	8.3	17.7
9 18	22 57.51	+ 7 4.3	0.752	1.744	8.2	17.7
9 28	22 53.08	+ 5 4.5	0.770	1.742	12.2	17.9
10 8	22 51.46	+ 3 8.2	0.808	1.742	17.1	18.1

436815 2012 RZ_{23} 9 7.2 339°.58 2°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.23	+ 6 19.1	1.444	2.260	19.2	20.4
8 9	23 19.10	+ 5 32.9	1.359	2.252	15.8	20.2
8 19	23 15.56	+ 4 16.7	1.292	2.243	11.6	19.9
8 29	23 10.06	+ 2 32.6	1.246	2.236	6.9	19.6
9 8	23 3.46	+ 0 27.6	1.225	2.229	2.8	19.4
9 18	22 56.83	− 1 47.1	1.229	2.223	5.1	19.5
9 28	22 51.33	− 3 58.2	1.259	2.218	10.0	19.8
10 8	22 47.90	− 5 53.9	1.312	2.214	14.5	20.0

107716 2001 FJ_{22} 9 7.2 24°.96 0°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.78	− 2 49.8	1.153	2.017	20.1	17.9
8 9	23 20.48	− 3 45.9	1.110	2.037	15.7	17.7
8 19	23 16.43	− 5 3.0	1.084	2.058	10.5	17.5
8 29	23 10.37	− 6 33.5	1.079	2.081	5.0	17.3
9 8	23 3.45	− 8 6.4	1.098	2.105	1.2	17.1
9 18	22 56.92	− 9 30.8	1.141	2.130	6.4	17.5
9 28	22 51.93	−10 37.6	1.207	2.157	11.3	17.9
10 8	22 49.29	−11 21.8	1.294	2.185	15.5	18.2

75543 1999 XY_{241} 9 7.3 249.°89 3.°5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.34	+ 3 14.3	1.619	2.420	18.2	19.4
8 9	23 27.61	+ 3 34.1	1.532	2.414	14.9	19.2
8 19	23 21.28	+ 3 35.8	1.462	2.407	11.1	18.9
8 29	23 12.86	+ 3 19.3	1.415	2.401	6.9	18.7
9 8	23 3.24	+ 2 47.3	1.393	2.394	3.6	18.5
9 18	22 53.57	+ 2 4.8	1.398	2.388	5.4	18.6
9 28	22 45.06	+ 1 18.7	1.428	2.381	9.6	18.8
10 8	22 38.72	+ 0 36.0	1.481	2.374	13.7	19.0

293578 2007 HO_{83} 9 7.3 167.°68 2.°4/10.1 18

7 30	23 25.74	+ 4 7.5	2.506	3.282	13.1	20.8
8 9	23 22.15	+ 4 3.0	2.415	3.282	10.7	20.7
8 19	23 16.94	+ 3 44.6	2.346	3.283	7.9	20.5
8 29	23 10.52	+ 3 13.3	2.302	3.284	4.9	20.3
9 8	23 3.45	+ 2 32.0	2.285	3.285	2.5	20.2
9 18	22 56.40	+ 1 44.3	2.296	3.285	3.7	20.2
9 28	22 50.07	+ 0 54.9	2.336	3.286	6.6	20.4
10 8	22 45.06	+ 0 8.6	2.402	3.286	9.5	20.6

160513 1990 TD_{13} 9 7.3 346.°32 6.°6/ 1.8 18

7 30	23 18.26	−14 41.6	1.115	2.011	18.4	18.7
8 9	23 18.31	−16 0.8	1.047	1.994	14.4	18.4
8 19	23 15.42	−17 32.1	0.998	1.979	10.2	18.1
8 29	23 10.12	−19 4.7	0.969	1.965	7.0	17.9
9 8	23 3.47	−20 25.2	0.963	1.954	7.5	17.9
9 18	22 56.84	−21 21.9	0.977	1.944	11.4	18.1
9 28	22 51.71	−21 46.9	1.012	1.937	15.8	18.3
10 8	22 49.17	−21 38.8	1.065	1.932	20.0	18.6

127129 2002 GQ_{104} 9 7.3 143.°82 0.°0/ 7.3 18

7 30	23 27.03	− 0 57.2	2.064	2.873	14.5	20.2
8 9	23 23.47	− 1 52.5	1.986	2.880	11.4	20.0
8 19	23 17.99	− 3 3.7	1.928	2.887	7.9	19.8
8 29	23 11.07	− 4 26.7	1.897	2.894	3.9	19.6
9 8	23 3.41	− 5 55.4	1.893	2.900	0.3	19.3
9 18	22 55.83	− 7 22.6	1.918	2.906	4.4	19.6
9 28	22 49.18	− 8 41.3	1.971	2.912	8.3	19.9
10 8	22 44.14	− 9 46.3	2.049	2.917	11.6	20.1

96051 2115 P–L 9 7.3 42.°17 2.°2/ 9.5 18

7 30	23 25.20	+ 2 51.5	1.945	2.745	15.5	19.6
8 9	23 22.11	+ 2 39.2	1.873	2.757	12.5	19.4
8 19	23 17.08	+ 2 10.0	1.821	2.769	9.1	19.2
8 29	23 10.61	+ 1 25.9	1.793	2.782	5.3	19.0
9 8	23 3.45	+ 0 31.2	1.791	2.795	2.3	18.9
9 18	22 56.42	− 0 28.6	1.817	2.808	4.1	19.0
9 28	22 50.36	− 1 27.1	1.869	2.822	7.7	19.3
10 8	22 45.96	− 2 18.8	1.946	2.836	11.1	19.5

42148 2001 BC_{46} 9 7.3 208.°89 0.°4/ 7.7 18

7 30	23 25.38	+ 0 18.3	1.896	2.708	15.4	19.4
8 9	23 22.44	− 0 36.5	1.811	2.707	12.3	19.2
8 19	23 17.45	− 1 50.0	1.746	2.705	8.6	19.0
8 29	23 10.87	− 3 18.6	1.707	2.703	4.3	18.7
9 8	23 3.42	− 4 55.6	1.694	2.702	0.4	18.4
9 18	22 56.00	− 6 32.9	1.710	2.700	4.6	18.7
9 28	22 49.53	− 8 2.3	1.753	2.698	8.8	19.0
10 8	22 44.76	− 9 17.3	1.821	2.696	12.5	19.2

212168 2005 GO_{48} 9 7.3 300.°73 2.°8/ 4.8 18

7 30	23 28.97	−11 10.4	1.782	2.626	15.0	20.7
8 9	23 25.49	−11 43.5	1.697	2.615	11.7	20.5
8 19	23 19.67	−12 25.1	1.633	2.604	8.0	20.2
8 29	23 12.01	−13 10.0	1.594	2.593	4.2	20.0
9 8	23 3.34	−13 51.7	1.581	2.582	3.2	19.9
9 18	22 54.66	−14 23.9	1.594	2.571	6.6	20.1
9 28	22 47.07	−14 41.8	1.633	2.561	10.6	20.3
10 8	22 41.42	−14 42.9	1.695	2.550	14.3	20.5

286610 2002 DM_{6} 9 7.3 75.°83 1.°3/ 8.2 17

7 30	23 32.65	− 0 51.9	1.352	2.180	19.7	21.1
8 9	23 28.71	− 0 59.6	1.293	2.196	15.7	20.9
8 19	23 21.96	− 1 26.3	1.252	2.213	11.0	20.7
8 29	23 13.09	− 2 8.7	1.233	2.230	5.8	20.5
9 8	23 3.26	− 3 0.4	1.239	2.246	1.3	20.2
9 18	22 53.76	− 3 53.7	1.271	2.263	5.5	20.5
9 28	22 45.85	− 4 40.8	1.327	2.279	10.3	20.9
10 8	22 40.43	− 5 15.9	1.406	2.295	14.6	21.2

298679 2004 DP_{15} 9 7.3 259.°06 0.°4/ 7.6 18

7 30	23 30.63	− 3 49.7	2.097	2.907	14.2	21.5
8 9	23 26.42	− 3 51.4	2.000	2.895	11.3	21.3
8 19	23 20.14	− 4 3.9	1.924	2.883	7.9	21.1
8 29	23 12.20	− 4 24.9	1.873	2.870	4.0	20.8
9 8	23 3.33	− 4 50.8	1.850	2.857	0.4	20.5
9 18	22 54.41	− 5 17.3	1.855	2.844	4.4	20.8
9 28	22 46.36	− 5 40.0	1.888	2.831	8.4	21.0
10 8	22 39.99	− 5 55.0	1.945	2.818	11.9	21.2

9799 1996 RJ 9 7.3 344.°20 7.°0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.76	+33 44.8	4.440	4.952	10.7	17.0
8 9	23 18.56	+34 21.8	4.339	4.951	10.0	16.9
8 19	23 14.27	+34 44.1	4.252	4.950	9.2	16.8
8 29	23 9.16	+34 50.0	4.184	4.948	8.3	16.8
9 8	23 3.59	+34 38.7	4.136	4.947	7.6	16.7
9 18	22 57.99	+34 10.6	4.112	4.946	7.1	16.7
9 28	22 52.81	+33 27.5	4.111	4.945	7.1	16.7
10 8	22 48.46	+32 32.2	4.134	4.944	7.4	16.7

348159 2004 HN_{25} 9 7.3 137.°24 1.°3/ 6.0 17

7 30	23 31.49	− 6 30.4	1.817	2.644	15.5	21.5
8 9	23 27.20	− 7 8.7	1.746	2.653	12.1	21.3
8 19	23 20.65	− 7 58.8	1.696	2.662	8.2	21.0
8 29	23 12.41	− 8 55.9	1.670	2.670	3.9	20.8
9 8	23 3.33	− 9 53.6	1.672	2.678	1.6	20.7
9 18	22 54.42	−10 45.3	1.702	2.685	5.5	20.9
9 28	22 46.67	−11 25.6	1.758	2.692	9.6	21.2
10 8	22 40.86	−11 50.9	1.838	2.699	13.1	21.4

47463 1999 XE_{258} 9 7.3 235.°92 1.°2/ 6.3 18 R

7 30	23 33.11	− 7 21.7	1.712	2.542	16.1	18.6
8 9	23 28.83	− 7 37.8	1.626	2.535	12.7	18.3
8 19	23 22.02	− 8 5.0	1.561	2.527	8.7	18.1
8 29	23 13.20	− 8 39.2	1.519	2.519	4.2	17.8
9 8	23 3.26	− 9 14.6	1.504	2.510	1.5	17.6
9 18	22 53.33	− 9 45.3	1.516	2.501	5.8	17.9
9 28	22 44.57	−10 6.0	1.554	2.492	10.3	18.1
10 8	22 37.93	−10 13.4	1.616	2.483	14.2	18.3

514261 2015 PV_{314} 9 7.3 54.°31 1.°7/ 5.3 18

7 30	23 25.27	− 6 52.4	1.991	2.825	14.0	21.6
8 9	23 22.20	− 7 49.1	1.917	2.829	10.9	21.5
8 19	23 17.18	− 8 57.6	1.864	2.833	7.3	21.2
8 29	23 10.70	−10 12.7	1.837	2.837	3.5	21.0
9 8	23 3.47	−11 27.6	1.837	2.841	2.1	20.9
9 18	22 56.33	−12 35.7	1.865	2.845	5.5	21.2
9 28	22 50.14	−13 31.2	1.919	2.849	9.1	21.4
10 8	22 45.57	−14 10.4	1.998	2.854	12.4	21.6

487300 2014 QP_{61} 9 7.3 91.°63 2.°8/ 3.5 18

7 30	23 24.56	−10 34.5	2.348	3.184	12.1	21.5
8 9	23 21.31	−11 52.5	2.280	3.194	9.3	21.3
8 19	23 16.40	−13 18.5	2.235	3.204	6.2	21.2
8 29	23 10.26	−14 46.7	2.217	3.214	3.5	21.0
9 8	23 3.51	−16 10.6	2.228	3.224	3.3	21.0
9 18	22 56.86	−17 24.1	2.268	3.234	5.9	21.2
9 28	22 51.02	−18 22.5	2.335	3.244	8.8	21.4
10 8	22 46.58	−19 3.5	2.426	3.253	11.4	21.6

160212 2002 CM_{198} 9 7.3 257.°48 1.°9/ 4.9 18

7 30	23 25.05	− 7 58.1	2.223	3.054	12.8	20.6
8 9	23 21.89	− 8 54.9	2.137	3.049	10.0	20.4
8 19	23 16.92	−10 2.2	2.075	3.043	6.7	20.2
8 29	23 10.57	−11 15.1	2.038	3.038	3.3	20.0
9 8	23 3.48	−12 27.6	2.030	3.032	2.3	19.9
9 18	22 56.40	−13 33.5	2.049	3.027	5.4	20.1
9 28	22 50.13	−14 27.6	2.096	3.021	8.8	20.3
10 8	22 45.33	−15 6.3	2.168	3.016	11.9	20.5

326258 2012 DV_{59} 9 7.3 205.°72 4.°2/ 2.1 18

7 30	23 26.39	−16 51.8	2.446	3.288	11.5	20.5
8 9	23 22.75	−17 53.4	2.371	3.286	9.0	20.4
8 19	23 17.40	−18 58.5	2.320	3.285	6.3	20.2
8 29	23 10.76	−20 1.2	2.296	3.283	4.4	20.1
9 8	23 3.47	−20 55.9	2.299	3.282	4.6	20.1
9 18	22 56.25	−21 37.8	2.330	3.280	6.8	20.2
9 28	22 49.83	−22 3.5	2.388	3.278	9.4	20.4
10 8	22 44.83	−22 12.0	2.468	3.276	11.9	20.6

321177 2008 WY_{29} 9 7.3 270.°58 0.°6/ 6.8 18

7 30	23 29.07	− 5 16.9	1.817	2.644	15.4	20.9
8 9	23 25.45	− 5 37.8	1.733	2.640	12.2	20.6
8 19	23 19.58	− 6 11.2	1.670	2.635	8.3	20.4
8 29	23 11.95	− 6 53.4	1.631	2.630	4.0	20.1
9 8	23 3.37	− 7 38.9	1.619	2.626	0.8	19.9
9 18	22 54.83	− 8 21.8	1.633	2.621	5.1	20.2
9 28	22 47.33	− 8 56.4	1.675	2.616	9.4	20.4
10 8	22 41.72	− 9 18.8	1.740	2.611	13.1	20.7

449327 2013 FJ_{16} 9 7.3 80.°72 4.°5/ 2.9 18

7 30	23 34.04	−19 50.6	2.312	3.145	12.4	20.6
8 9	23 28.55	−20 19.8	2.256	3.164	9.7	20.5
8 19	23 21.19	−20 48.2	2.223	3.183	7.0	20.4
8 29	23 12.53	−21 10.7	2.217	3.201	4.8	20.3
9 8	23 3.35	−21 22.8	2.238	3.220	4.9	20.3
9 18	22 54.48	−21 21.3	2.288	3.238	6.9	20.5
9 28	22 46.72	−21 4.9	2.365	3.257	9.4	20.7
10 8	22 40.66	−20 34.2	2.465	3.275	11.8	20.9

47508 2000 AQ_{58} 9 7.3 130°.01 4°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.68	−14 52.1	1.923	2.772	13.8	18.5
8 9	23 24.22	−16 6.5	1.854	2.774	10.8	18.3
8 19	23 18.63	−17 27.2	1.808	2.777	7.5	18.1
8 29	23 11.43	−18 46.8	1.787	2.779	4.9	18.0
9 8	23 3.43	−19 57.5	1.794	2.781	5.1	18.0
9 18	22 55.54	−20 52.6	1.827	2.784	7.8	18.2
9 28	22 48.70	−21 27.6	1.886	2.786	11.0	18.4
10 8	22 43.66	−21 41.3	1.967	2.788	14.0	18.6

511664 2015 BG_{304} 9 7.3 115°.43 2°.9/ 4.4 17

7 30	23 28.95	− 9 10.2	1.746	2.587	15.4	21.5
8 9	23 25.32	−10 20.7	1.680	2.597	11.9	21.3
8 19	23 19.42	−11 42.7	1.636	2.607	8.0	21.1
8 29	23 11.83	−13 9.1	1.618	2.617	4.2	20.9
9 8	23 3.41	−14 31.5	1.626	2.626	3.4	20.9
9 18	22 55.15	−15 41.9	1.661	2.635	6.8	21.1
9 28	22 48.08	−16 34.6	1.723	2.644	10.6	21.4
10 8	22 42.95	−17 6.7	1.807	2.652	14.0	21.6

390939 2005 GM_{137} 9 7.3 251°.16 5°.1/ 2.4 18

7 30	23 32.83	−18 58.4	2.098	2.938	13.2	21.4
8 9	23 28.22	−19 44.4	2.012	2.924	10.5	21.2
8 19	23 21.39	−20 32.5	1.949	2.911	7.6	21.0
8 29	23 12.83	−21 16.4	1.912	2.897	5.4	20.9
9 8	23 3.34	−21 49.4	1.901	2.883	5.6	20.8
9 18	22 53.87	−22 6.5	1.918	2.868	8.0	21.0
9 28	22 45.42	−22 4.7	1.961	2.853	11.1	21.1
10 8	22 38.80	−21 43.7	2.027	2.838	14.0	21.3

3633 Mira 9 7.3 179°.35 1°.9/ 8.9 18 R

7 30	23 30.69	+ 1 52.7	1.745	2.546	17.0	17.7
8 9	23 26.81	+ 1 39.0	1.662	2.548	13.8	17.5
8 19	23 20.56	+ 1 6.8	1.598	2.548	9.9	17.3
8 29	23 12.47	+ 0 18.0	1.558	2.549	5.6	17.0
9 8	23 3.37	− 0 42.5	1.544	2.549	2.0	16.8
9 18	22 54.31	− 1 48.3	1.557	2.548	4.7	17.0
9 28	22 46.38	− 2 51.9	1.597	2.547	9.0	17.3
10 8	22 40.43	− 3 46.7	1.661	2.545	13.0	17.5

95663 2002 GB_{133} 9 7.3 235°.29 1°.5/ 5.8 18

7 30	23 30.91	− 8 2.7	2.108	2.931	13.7	21.4
8 9	23 26.66	− 8 33.7	2.014	2.919	10.8	21.2
8 19	23 20.31	− 9 14.4	1.941	2.906	7.3	21.0
8 29	23 12.32	−10 0.8	1.894	2.893	3.6	20.7
9 8	23 3.39	−10 47.5	1.875	2.879	1.8	20.6
9 18	22 54.40	−11 29.1	1.884	2.865	5.3	20.8
9 28	22 46.32	−12 0.6	1.920	2.850	9.1	21.0
10 8	22 39.91	−12 18.8	1.981	2.835	12.6	21.2

21733 Schlottmann 9 7.3 32°.37 3°.2/ 9.6 18

7 30	23 28.39	+ 2 31.7	1.231	2.062	21.1	18.5
8 9	23 25.78	+ 2 42.7	1.167	2.069	17.2	18.2
8 19	23 20.23	+ 2 30.4	1.121	2.077	12.5	18.0
8 29	23 12.39	+ 1 56.2	1.094	2.085	7.4	17.7
9 8	23 3.39	+ 1 5.2	1.090	2.094	3.3	17.5
9 18	22 54.59	+ 0 5.3	1.110	2.103	5.8	17.7
9 28	22 47.36	− 0 53.9	1.154	2.113	10.7	18.0
10 8	22 42.70	− 1 44.0	1.220	2.124	15.2	18.3

7791 Ebicykl 9 7.3 239°.90 1°.5/ 5.3 18

7 30	23 25.08	− 7 44.9	2.668	3.489	11.2	18.4
8 9	23 21.63	− 8 35.8	2.572	3.478	8.8	18.3
8 19	23 16.62	− 9 35.7	2.500	3.466	5.9	18.1
8 29	23 10.42	−10 40.6	2.455	3.454	2.9	17.8
9 8	23 3.56	−11 45.9	2.439	3.442	1.8	17.7
9 18	22 56.67	−12 46.4	2.452	3.430	4.6	17.9
9 28	22 50.42	−13 37.8	2.494	3.418	7.6	18.1
10 8	22 45.40	−14 16.8	2.560	3.405	10.4	18.3

55310 2001 SY_{58} 9 7.3 41°.14 1°.6/ 5.7 18

7 30	23 27.05	− 7 34.3	1.903	2.738	14.5	19.1
8 9	23 23.69	− 8 12.6	1.830	2.742	11.3	18.9
8 19	23 18.26	− 9 1.5	1.777	2.746	7.6	18.7
8 29	23 11.27	− 9 56.4	1.750	2.750	3.7	18.5
9 8	23 3.50	−10 51.1	1.750	2.754	1.9	18.3
9 18	22 55.84	−11 39.5	1.776	2.759	5.5	18.6
9 28	22 49.21	−12 16.4	1.830	2.763	9.3	18.8
10 8	22 44.33	−12 38.7	1.907	2.768	12.6	19.1

297528 2001 FG_{20} 9 7.3 169°.99 3°.3/11.3 18

7 30	23 27.18	+ 8 23.3	2.401	3.154	14.2	21.5
8 9	23 23.38	+ 8 2.1	2.309	3.157	11.8	21.3
8 19	23 17.86	+ 7 22.8	2.237	3.161	8.9	21.2
8 29	23 11.04	+ 6 26.3	2.190	3.163	5.9	21.0
9 8	23 3.52	+ 5 15.7	2.171	3.165	3.5	20.8
9 18	22 56.03	+ 3 55.9	2.180	3.167	4.1	20.9
9 28	22 49.32	+ 2 33.3	2.218	3.168	6.9	21.0
10 8	22 44.02	+ 1 14.0	2.283	3.169	9.9	21.2

158063 2000 TD_{40} 9 7.3 4°.62 5°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.83	−13 0.2	1.080	1.969	19.4	19.0
8 9	23 21.83	−13 55.3	1.026	1.968	15.1	18.8
8 19	23 17.73	−15 1.3	0.989	1.969	10.4	18.5
8 29	23 11.21	−16 8.6	0.972	1.971	6.1	18.3
9 8	23 3.51	−17 5.6	0.977	1.975	5.8	18.3
9 18	22 56.05	−17 42.8	1.005	1.981	9.8	18.5
9 28	22 50.29	−17 54.3	1.053	1.988	14.4	18.8
10 8	22 47.19	−17 39.2	1.121	1.997	18.5	19.1

311933 2007 CN_{27} 9 7.3 180°.08 1°.9/ 9.4 18

7 30	23 28.20	+ 1 45.3	2.465	3.248	13.1	21.5
8 9	23 24.11	+ 1 47.1	2.374	3.248	10.6	21.3
8 19	23 18.33	+ 1 36.6	2.305	3.249	7.7	21.1
8 29	23 11.26	+ 1 14.9	2.262	3.249	4.5	20.9
9 8	23 3.51	+ 0 44.7	2.246	3.249	2.0	20.8
9 18	22 55.78	+ 0 9.5	2.258	3.248	3.7	20.9
9 28	22 48.81	− 0 26.3	2.300	3.248	6.8	21.1
10 8	22 43.22	− 0 58.7	2.367	3.247	9.8	21.3

342084 2008 ST_{43} 9 7.3 241°.43 0°.7/ 6.7 18

7 30	23 29.86	− 5 30.8	1.816	2.643	15.5	21.2
8 9	23 26.09	− 5 52.1	1.733	2.639	12.2	20.9
8 19	23 20.04	− 6 25.7	1.670	2.635	8.3	20.7
8 29	23 12.21	− 7 7.8	1.632	2.631	4.0	20.4
9 8	23 3.43	− 7 52.9	1.620	2.627	0.9	20.2
9 18	22 54.68	− 8 35.2	1.635	2.622	5.2	20.5
9 28	22 47.01	− 9 8.9	1.677	2.618	9.4	20.7
10 8	22 41.23	− 9 30.1	1.743	2.613	13.2	21.0

384530 2010 DQ_{45} 9 7.3 161°.59 1°.1/ 8.5 16

7 30	23 27.56	+ 1 9.2	2.131	2.928	14.5	21.7
8 9	23 23.88	+ 0 33.6	2.047	2.932	11.6	21.5
8 19	23 18.29	− 0 18.1	1.985	2.936	8.2	21.3
8 29	23 11.27	− 1 23.0	1.947	2.940	4.4	21.1
9 8	23 3.51	− 2 36.2	1.937	2.943	1.1	20.8
9 18	22 55.80	− 3 51.7	1.955	2.946	4.0	21.1
9 28	22 48.97	− 5 2.9	2.002	2.948	7.8	21.3
10 8	22 43.72	− 6 4.3	2.074	2.950	11.2	21.5

493544 2015 HQ_{20} 9 7.3 18°.06 6°.4/ 2.7 17

7 30	23 34.22	−19 43.2	1.517	2.374	16.5	20.8
8 9	23 29.93	−20 26.9	1.454	2.375	13.1	20.6
8 19	23 22.83	−21 11.6	1.412	2.377	9.5	20.4
8 29	23 13.58	−21 48.8	1.392	2.379	6.8	20.2
9 8	23 3.33	−22 10.5	1.398	2.381	6.9	20.2
9 18	22 53.37	−22 11.0	1.429	2.384	9.7	20.4
9 28	22 44.97	−21 48.4	1.483	2.387	13.2	20.6
10 8	22 39.04	−21 4.1	1.559	2.390	16.5	20.8

238136 2003 QQ_{72} 9 7.3 265°.87 2°.1/ 9.7 18

7 30	23 24.10	+ 6 36.3	1.896	2.682	16.4	20.0
8 9	23 21.56	+ 5 34.5	1.799	2.673	13.4	19.8
8 19	23 16.96	+ 4 7.3	1.721	2.665	9.8	19.5
8 29	23 10.72	+ 2 17.0	1.668	2.655	5.8	19.3
9 8	23 3.55	+ 0 9.9	1.642	2.646	2.3	19.0
9 18	22 56.32	− 2 5.1	1.645	2.637	4.4	19.2
9 28	22 49.98	− 4 17.0	1.676	2.628	8.6	19.4
10 8	22 45.33	− 6 16.2	1.733	2.618	12.5	19.6

408196 2013 ER_{29} 9 7.3 50°.30 7°.1/29.8 18

7 30	23 26.04	−22 36.2	1.975	2.833	13.2	20.4
8 9	23 22.90	−24 20.1	1.928	2.846	10.5	20.3
8 19	23 17.70	−26 3.1	1.905	2.860	8.2	20.2
8 29	23 10.97	−27 36.3	1.906	2.874	7.1	20.1
9 8	23 3.55	−28 51.7	1.935	2.888	7.9	20.2
9 18	22 56.32	−29 43.6	1.988	2.903	9.9	20.4
9 28	22 50.18	−30 9.6	2.065	2.917	12.3	20.5
10 8	22 45.83	−30 10.6	2.163	2.932	14.5	20.7

105080 2000 KB_{74} 9 7.3 296°.49 0°.3/ 7.5 18

7 30	23 25.60	− 1 4.5	1.540	2.371	17.5	18.9
8 9	23 23.26	− 1 42.1	1.451	2.359	14.0	18.7
8 19	23 18.43	− 2 40.3	1.382	2.346	9.8	18.4
8 29	23 11.55	− 3 55.6	1.336	2.334	5.0	18.1
9 8	23 3.49	− 5 21.1	1.315	2.322	0.4	17.7
9 18	22 55.35	− 6 47.9	1.319	2.310	5.5	18.1
9 28	22 48.32	− 8 6.2	1.349	2.298	10.5	18.3
10 8	22 43.38	− 9 8.6	1.402	2.287	14.9	18.6

483005 2014 SP_{140} 9 7.3 134°.63 6°.9/15.9 18

7 30	23 26.41	+18 15.3	2.563	3.249	14.9	20.6
8 9	23 22.82	+18 52.6	2.469	3.250	13.1	20.5
8 19	23 17.52	+19 11.3	2.393	3.251	11.1	20.3
8 29	23 10.90	+19 9.2	2.339	3.251	9.0	20.2
9 8	23 3.56	+18 46.4	2.308	3.252	7.4	20.1
9 18	22 56.18	+18 4.7	2.304	3.253	6.9	20.1
9 28	22 49.52	+17 8.3	2.326	3.253	7.9	20.2
10 8	22 44.22	+16 3.1	2.374	3.254	9.8	20.3

205199 2000 ED_{117} 9 7.3 1°.81 2°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.58	−13 19.8	1.465	2.317	17.2	18.9
8 9	23 29.47	−13 12.9	1.395	2.316	13.5	18.6
8 19	23 22.56	−13 10.6	1.344	2.315	9.3	18.4
8 29	23 13.49	−13 7.8	1.316	2.315	4.9	18.1
9 8	23 3.36	−12 59.3	1.314	2.317	3.2	18.0
9 18	22 53.46	−12 40.8	1.337	2.319	7.0	18.3
9 28	22 45.07	−12 10.0	1.385	2.322	11.4	18.5
10 8	22 39.13	−11 26.4	1.455	2.326	15.3	18.8

77632 2001 KR_{49} 9 7.3 120°.05 7°.6/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.33	−26 27.8	2.091	2.934	13.1	19.2
8 9	23 27.71	−27 49.5	2.041	2.945	10.7	19.1
8 19	23 20.91	−29 7.1	2.013	2.956	8.6	19.0
8 29	23 12.53	−30 12.5	2.011	2.967	7.7	18.9
9 8	23 3.44	−30 58.7	2.035	2.977	8.3	19.0
9 18	22 54.60	−31 21.3	2.084	2.987	10.1	19.1
9 28	22 46.97	−31 19.2	2.158	2.997	12.4	19.3
10 8	22 41.24	−30 54.0	2.251	3.006	14.5	19.5

513846 2013 GE_{74} 9 7.3 143°.57 5°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.00	−21 27.2	2.628	3.466	10.9	22.3
8 9	23 24.63	−22 31.5	2.566	3.475	8.6	22.1
8 19	23 18.60	−23 35.5	2.528	3.483	6.5	22.0
8 29	23 11.36	−24 33.4	2.516	3.491	5.1	21.9
9 8	23 3.54	−25 20.1	2.533	3.498	5.6	22.0
9 18	22 55.86	−25 51.4	2.577	3.505	7.3	22.1
9 28	22 49.02	−26 5.3	2.647	3.512	9.5	22.3
10 8	22 43.60	−26 1.7	2.740	3.518	11.6	22.4

374953 2007 CW_{34} 9 7.3 249°.55 1°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.97	+ 0 56.6	1.874	2.677	15.9	22.1
8 9	23 25.49	+ 0 33.2	1.773	2.662	12.9	21.8
8 19	23 19.75	− 0 8.2	1.693	2.646	9.2	21.6
8 29	23 12.16	− 1 5.6	1.636	2.629	5.1	21.3
9 8	23 3.47	− 2 14.5	1.606	2.612	1.4	21.0
9 18	22 54.63	− 3 28.1	1.603	2.595	4.6	21.2
9 28	22 46.70	− 4 38.9	1.628	2.576	9.1	21.4
10 8	22 40.59	− 5 40.1	1.677	2.558	13.1	21.6

350094 2011 MG_{9} 9 7.3 32°.92 2°.5/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.08	+ 2 8.7	1.522	2.339	18.3	21.1
8 9	23 24.19	+ 2 8.8	1.454	2.348	14.8	20.9
8 19	23 18.85	+ 1 49.2	1.404	2.357	10.7	20.7
8 29	23 11.65	+ 1 11.7	1.376	2.367	6.2	20.4
9 8	23 3.52	+ 0 21.3	1.373	2.377	2.6	20.2
9 18	22 55.55	− 0 35.6	1.396	2.388	4.9	20.4
9 28	22 48.85	− 1 31.1	1.443	2.399	9.3	20.7
10 8	22 44.25	− 2 18.5	1.515	2.411	13.3	21.0

192396 1996 XP_{3} 9 7.3 19°.86 2°.0/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.71	−10 31.3	1.012	1.890	21.3	18.6
8 9	23 27.92	−10 15.2	0.968	1.902	16.7	18.4
8 19	23 21.76	−10 8.9	0.940	1.917	11.3	18.2
8 29	23 13.11	−10 7.0	0.932	1.933	5.5	17.9
9 8	23 3.42	−10 3.1	0.945	1.951	2.3	17.8
9 18	22 54.30	− 9 51.9	0.982	1.971	7.3	18.2
9 28	22 47.23	− 9 29.7	1.041	1.993	12.5	18.5
10 8	22 43.11	− 8 55.1	1.120	2.015	16.9	18.9

84133 2002 RX_{48} 9 7.3 331°.16 1°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.00	− 4 34.7	1.528	2.378	16.8	19.6
8 9	23 20.43	− 5 32.0	1.443	2.364	13.2	19.3
8 19	23 16.47	− 6 48.3	1.378	2.351	9.0	19.1
8 29	23 10.58	− 8 18.1	1.337	2.338	4.3	18.8
9 8	23 3.60	− 9 52.8	1.320	2.326	1.8	18.6
9 18	22 56.56	−11 22.5	1.330	2.315	6.4	18.8
9 28	22 50.61	−12 37.9	1.364	2.305	11.1	19.1
10 8	22 46.67	−13 32.6	1.419	2.296	15.3	19.3

254123 2004 PR_{1} 9 7.3 348°.80 4°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.04	−14 36.9	1.817	2.676	14.1	19.7
8 9	23 21.57	−15 55.5	1.746	2.671	11.0	19.5
8 19	23 16.97	−17 21.6	1.696	2.668	7.7	19.3
8 29	23 10.71	−18 47.6	1.672	2.664	5.1	19.2
9 8	23 3.60	−20 4.7	1.674	2.662	5.4	19.2
9 18	22 56.54	−21 5.8	1.702	2.659	8.2	19.4
9 28	22 50.52	−21 45.6	1.755	2.658	11.5	19.6
10 8	22 46.30	−22 2.5	1.829	2.656	14.6	19.8

291831 2006 LX_{3} 9 7.3 63°.81 4°.6/12.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.07	+ 9 31.1	1.741	2.513	18.1	21.0
8 9	23 23.84	+ 9 27.9	1.673	2.532	15.1	20.9
8 19	23 18.42	+ 9 1.4	1.624	2.550	11.5	20.7
8 29	23 11.38	+ 8 12.0	1.597	2.568	7.8	20.5
9 8	23 3.56	+ 7 3.8	1.594	2.587	4.9	20.4
9 18	22 55.93	+ 5 43.1	1.618	2.605	5.3	20.5
9 28	22 49.45	+ 4 18.3	1.669	2.624	8.4	20.7
10 8	22 44.84	+ 2 57.7	1.744	2.642	11.7	20.9

349592 2008 TJ_{48} 9 7.3 248°.35 0°.8/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.57	− 8 32.8	4.496	5.309	7.1	20.8
8 9	23 16.65	− 9 1.1	4.404	5.305	5.5	20.7
8 19	23 12.88	− 9 33.4	4.338	5.302	3.7	20.6
8 29	23 8.49	−10 7.9	4.299	5.298	1.8	20.4
9 8	23 3.79	−10 42.2	4.290	5.294	1.0	20.3
9 18	22 59.09	−11 14.2	4.310	5.290	2.7	20.5
9 28	22 54.76	−11 41.8	4.361	5.286	4.6	20.6
10 8	22 51.08	−12 3.3	4.438	5.282	6.3	20.7

74475 1999 CM_{63} 9 7.3 125°.58 1°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.30	+ 3 50.3	2.414	3.192	13.5	19.5
8 9	23 22.60	+ 3 7.0	2.334	3.206	10.9	19.4
8 19	23 17.27	+ 2 7.6	2.276	3.219	7.8	19.2
8 29	23 10.73	+ 0 54.8	2.244	3.232	4.4	19.0
9 8	23 3.61	− 0 26.8	2.240	3.244	1.6	18.8
9 18	22 56.59	− 1 51.7	2.265	3.256	3.5	19.0
9 28	22 50.36	− 3 13.5	2.320	3.267	6.8	19.2
10 8	22 45.49	− 4 27.0	2.401	3.278	9.8	19.4

14289 4648 *P–L* 9 7.3 41°.82 0°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.51	− 2 24.9	1.251	2.097	19.9	18.3
8 9	23 25.69	− 2 45.3	1.197	2.112	15.8	18.1
8 19	23 20.04	− 3 25.1	1.160	2.128	10.8	17.8
8 29	23 12.25	− 4 19.4	1.145	2.144	5.4	17.6
9 8	23 3.50	− 5 20.5	1.153	2.160	0.4	17.3
9 18	22 55.08	− 6 19.5	1.186	2.178	5.8	17.7
9 28	22 48.25	− 7 8.4	1.243	2.195	10.8	18.1
10 8	22 43.91	− 7 41.7	1.322	2.214	15.1	18.4

27635 4528 *P–L* 9 7.3 338°.88 1°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.84	− 0 53.9	1.164	2.022	20.4	18.5
8 9	23 21.03	− 1 0.6	1.086	2.007	16.5	18.2
8 19	23 17.31	− 1 29.9	1.024	1.993	11.7	17.9
8 29	23 11.15	− 2 19.7	0.982	1.981	6.2	17.5
9 8	23 3.57	− 3 23.4	0.962	1.969	1.2	17.2
9 18	22 55.89	− 4 31.8	0.965	1.959	6.1	17.5
9 28	22 49.61	− 5 34.0	0.990	1.951	11.8	17.7
10 8	22 45.89	− 6 21.3	1.036	1.944	16.9	18.0

6773 Kellaway 9 7.3 76°.19 1°.6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.96	− 6 23.1	2.105	2.935	13.5	17.5
8 9	23 21.86	− 7 25.1	2.031	2.941	10.5	17.3
8 19	23 16.93	− 8 38.7	1.980	2.948	7.0	17.2
8 29	23 10.62	− 9 58.9	1.955	2.955	3.4	16.9
9 8	23 3.62	−11 19.1	1.957	2.962	1.9	16.8
9 18	22 56.72	−12 32.7	1.988	2.968	5.2	17.1
9 28	22 50.71	−13 33.9	2.046	2.975	8.7	17.3
10 8	22 46.23	−14 19.2	2.128	2.982	11.8	17.5

300697 2007 VE_{63} 9 7.3 176°.66 3°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.21	+ 5 30.9	2.118	2.896	15.1	20.7
8 9	23 23.68	+ 5 27.2	2.030	2.896	12.5	20.5
8 19	23 18.23	+ 5 6.2	1.961	2.897	9.3	20.3
8 29	23 11.30	+ 4 28.8	1.917	2.897	5.9	20.1
9 8	23 3.57	+ 3 38.1	1.899	2.897	3.2	19.9
9 18	22 55.87	+ 2 38.6	1.908	2.897	4.3	20.0
9 28	22 49.03	+ 1 36.6	1.945	2.897	7.6	20.2
10 8	22 43.77	+ 0 38.0	2.008	2.897	10.9	20.4

412356 2013 LV_{15} 9 7.3 212°.96 4°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.91	+11 14.4	2.530	3.269	13.9	21.1
8 9	23 20.82	+11 3.3	2.433	3.267	11.7	20.9
8 19	23 16.13	+10 33.9	2.357	3.266	9.2	20.7
8 29	23 10.22	+ 9 46.3	2.303	3.264	6.5	20.6
9 8	23 3.66	+ 8 43.0	2.277	3.262	4.4	20.4
9 18	22 57.10	+ 7 27.8	2.278	3.260	4.5	20.4
9 28	22 51.23	+ 6 6.6	2.308	3.258	6.7	20.6
10 8	22 46.63	+ 4 45.6	2.365	3.256	9.3	20.8

367681 2010 NL_{82} 9 7.3 23°.38 0°.3/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.65	− 4 34.0	1.025	1.890	22.0	20.3
8 9	23 27.23	− 4 23.2	0.971	1.897	17.5	20.0
8 19	23 21.45	− 4 30.2	0.934	1.906	12.1	19.8
8 29	23 13.06	− 4 51.1	0.916	1.916	6.0	19.5
9 8	23 3.44	− 5 19.1	0.920	1.928	0.5	19.1
9 18	22 54.19	− 5 46.4	0.947	1.940	6.5	19.6
9 28	22 46.86	− 6 5.5	0.996	1.953	12.2	20.0
10 8	22 42.48	− 6 11.3	1.064	1.967	17.0	20.3

309026 2006 UA_{134} 9 7.3 248°.88 1°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.94	+ 2 12.5	2.145	2.939	14.5	21.7
8 9	23 22.68	+ 1 53.9	2.054	2.935	11.7	21.5
8 19	23 17.55	+ 1 19.4	1.983	2.931	8.4	21.3
8 29	23 10.97	+ 0 30.9	1.937	2.927	4.8	21.1
9 8	23 3.60	− 0 27.8	1.918	2.922	1.8	20.9
9 18	22 56.23	− 1 31.4	1.926	2.918	4.0	21.0
9 28	22 49.68	− 2 33.8	1.963	2.913	7.6	21.2
10 8	22 44.65	− 3 29.3	2.025	2.909	11.0	21.4

8530 Korbokkur 9 7.3 20°.17 6°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.44	−15 18.1	0.842	1.744	22.2	15.7
8 9	23 25.15	−15 57.8	0.807	1.756	17.3	15.5
8 19	23 20.13	−16 44.1	0.788	1.770	12.0	15.2
8 29	23 12.37	−17 25.7	0.787	1.786	7.3	15.1
9 8	23 3.51	−17 51.3	0.807	1.804	6.8	15.1
9 18	22 55.32	−17 53.4	0.847	1.824	10.7	15.4
9 28	22 49.38	−17 29.3	0.906	1.846	15.4	15.8
10 8	22 46.59	−16 41.4	0.983	1.869	19.6	16.1

231317 2006 CW_5 9 7.3 343°.37 1°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.97	− 4 1.1	1.550	2.392	16.9	20.5
8 9	23 22.63	− 4 55.6	1.474	2.389	13.3	20.3
8 19	23 17.89	− 6 8.3	1.417	2.386	9.1	20.1
8 29	23 11.25	− 7 33.6	1.383	2.384	4.3	19.8
9 8	23 3.59	− 9 3.3	1.375	2.382	1.5	19.6
9 18	22 55.97	−10 27.8	1.393	2.380	6.0	19.9
9 28	22 49.51	−11 38.8	1.437	2.378	10.6	20.1
10 8	22 45.09	−12 30.5	1.502	2.377	14.7	20.4

92704 2000 QK_{83} 9 7.3 306°.28 0°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.83	− 3 17.4	1.565	2.401	17.1	18.9
8 9	23 24.21	− 3 39.3	1.476	2.387	13.7	18.6
8 19	23 19.08	− 4 17.9	1.407	2.373	9.5	18.3
8 29	23 11.91	− 5 9.9	1.360	2.359	4.7	18.0
9 8	23 3.54	− 6 9.2	1.338	2.346	0.4	17.7
9 18	22 55.08	− 7 8.4	1.342	2.333	5.5	18.0
9 28	22 47.73	− 7 59.6	1.372	2.320	10.4	18.3
10 8	22 42.48	− 8 36.9	1.423	2.307	14.8	18.5

291172 2006 AK_{33} 9 7.3 278°.40 1°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.72	− 7 58.6	2.269	3.094	12.8	20.9
8 9	23 23.99	− 8 21.7	2.177	3.083	10.1	20.7
8 19	23 18.41	− 8 53.2	2.107	3.073	6.8	20.5
8 29	23 11.39	− 9 29.7	2.063	3.062	3.3	20.2
9 8	23 3.59	−10 6.7	2.046	3.051	1.5	20.1
9 18	22 55.77	−10 39.5	2.057	3.041	4.8	20.3
9 28	22 48.76	−11 4.0	2.096	3.030	8.3	20.5
10 8	22 43.25	−11 17.3	2.160	3.019	11.5	20.7

511650 2015 BX_{260} 9 7.3 104°.80 2°.9/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.81	+ 4 2.1	1.656	2.452	18.0	21.9
8 9	23 26.92	+ 3 57.4	1.585	2.465	14.6	21.7
8 19	23 20.63	+ 3 32.6	1.533	2.477	10.7	21.5
8 29	23 12.53	+ 2 49.1	1.503	2.489	6.4	21.3
9 8	23 3.52	+ 1 51.4	1.499	2.501	3.1	21.1
9 18	22 54.68	+ 0 46.2	1.522	2.513	4.9	21.2
9 28	22 47.09	− 0 18.8	1.571	2.524	8.9	21.5
10 8	22 41.56	− 1 16.6	1.645	2.535	12.7	21.8

11526 1991 UL_3 9 7.3 349°.77 7°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.00	+12 24.8	1.305	2.103	21.8	16.6
8 9	23 18.50	+12 44.3	1.224	2.094	18.8	16.4
8 19	23 15.39	+12 32.4	1.159	2.085	15.1	16.2
8 29	23 10.15	+11 46.1	1.113	2.079	11.1	15.9
9 8	23 3.69	+10 27.5	1.087	2.073	7.8	15.7
9 18	22 57.17	+ 8 43.4	1.084	2.069	7.5	15.7
9 28	22 51.89	+ 6 46.0	1.104	2.067	10.5	15.9
10 8	22 48.88	+ 4 49.1	1.146	2.065	14.6	16.1

40840 1999 TS_{96} 9 7.3 268°.63 5°.5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.35	−21 0.2	2.288	3.132	12.1	18.5
8 9	23 25.32	−21 55.8	2.209	3.122	9.7	18.3
8 19	23 19.33	−22 52.0	2.153	3.112	7.2	18.2
8 29	23 11.84	−23 42.7	2.123	3.102	5.6	18.0
9 8	23 3.58	−24 21.7	2.120	3.091	6.0	18.1
9 18	22 55.36	−24 44.3	2.144	3.081	8.1	18.2
9 28	22 48.05	−24 47.8	2.193	3.071	10.7	18.3
10 8	22 42.37	−24 32.1	2.265	3.060	13.2	18.5

446264 2013 JK_{50} 9 7.3 116°.90 2°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.40	+ 4 46.5	2.508	3.282	13.2	21.6
8 9	23 21.89	+ 4 30.0	2.425	3.290	10.7	21.5
8 19	23 16.79	+ 3 58.7	2.362	3.298	7.9	21.3
8 29	23 10.53	+ 3 14.1	2.324	3.306	4.9	21.1
9 8	23 3.68	+ 2 19.5	2.313	3.314	2.4	21.0
9 18	22 56.89	+ 1 19.0	2.332	3.322	3.6	21.1
9 28	22 50.83	+ 0 17.8	2.379	3.329	6.5	21.3
10 8	22 46.08	− 0 39.1	2.452	3.336	9.3	21.5

292360 2006 SB_{239} 9 7.3 68°.99 1°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.17	− 7 9.0	1.325	2.169	19.2	20.8
8 9	23 30.64	− 7 32.0	1.276	2.192	15.0	20.6
8 19	23 23.24	− 8 8.0	1.246	2.215	10.1	20.4
8 29	23 13.77	− 8 51.2	1.238	2.238	4.8	20.1
9 8	23 3.45	− 9 33.7	1.255	2.262	1.8	20.0
9 18	22 53.62	−10 8.6	1.298	2.285	6.4	20.4
9 28	22 45.55	−10 30.3	1.366	2.308	11.1	20.7
10 8	22 40.04	−10 36.3	1.456	2.330	15.1	21.0

445260 2009 RN_{55} 9 7.3 294°.67 1°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.09	− 8 38.7	2.286	3.116	12.6	21.3
8 9	23 22.73	− 9 11.1	2.194	3.103	9.8	21.1
8 19	23 17.56	− 9 52.0	2.123	3.091	6.7	20.9
8 29	23 10.99	−10 37.6	2.079	3.078	3.3	20.7
9 8	23 3.65	−11 23.1	2.062	3.066	1.9	20.5
9 18	22 56.29	−12 3.4	2.073	3.054	5.0	20.7
9 28	22 49.71	−12 34.3	2.112	3.042	8.4	20.9
10 8	22 44.57	−12 52.6	2.175	3.030	11.5	21.1

50013 2000 AE_{31} 9 7.3 187°.08 0°.8/ 6.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.33	− 5 37.2	1.934	2.752	15.0	19.6
8 9	23 27.88	− 6 5.7	1.851	2.752	11.8	19.4
8 19	23 21.21	− 6 46.1	1.788	2.751	8.0	19.1
8 29	23 12.83	− 7 34.4	1.751	2.750	3.9	18.9
9 8	23 3.53	− 8 25.1	1.742	2.748	1.0	18.7
9 18	22 54.28	− 9 12.2	1.760	2.746	5.1	18.9
9 28	22 46.08	− 9 50.3	1.806	2.743	9.2	19.2
10 8	22 39.74	−10 15.6	1.876	2.739	12.8	19.4

211702 2003 WK_{169} 9 7.3 245°.91 0°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.81	+ 1 21.4	2.144	2.943	14.3	21.1
8 9	23 22.67	+ 0 37.5	2.045	2.931	11.5	20.9
8 19	23 17.63	− 0 24.0	1.967	2.919	8.2	20.7
8 29	23 11.07	− 1 40.4	1.914	2.907	4.4	20.4
9 8	23 3.67	− 3 6.6	1.888	2.895	0.9	20.1
9 18	22 56.18	− 4 36.0	1.892	2.882	4.1	20.4
9 28	22 49.49	− 6 1.1	1.923	2.869	8.0	20.6
10 8	22 44.30	− 7 15.8	1.980	2.856	11.6	20.8

316508 2010 VD_{144} 9 7.3 282°.35 2°.5/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.59	−17 30.3	4.312	5.144	7.1	20.6
8 9	23 17.53	−18 8.2	4.227	5.137	5.5	20.4
8 19	23 13.54	−18 47.4	4.167	5.129	3.9	20.3
8 29	23 8.86	−19 24.9	4.135	5.122	2.7	20.2
9 8	23 3.84	−19 58.2	4.132	5.114	2.8	20.2
9 18	22 58.83	−20 25.0	4.158	5.107	4.1	20.3
9 28	22 54.22	−20 43.3	4.212	5.100	5.8	20.4
10 8	22 50.34	−20 52.2	4.292	5.092	7.3	20.5

56952 2000 SU_3 9 7.3 3°.24 6°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.15	−18 58.3	1.889	2.747	13.7	18.6
8 9	23 23.18	−20 24.8	1.824	2.746	10.8	18.4
8 19	23 18.05	−21 54.5	1.782	2.746	8.0	18.2
8 29	23 11.27	−23 19.3	1.765	2.747	6.2	18.1
9 8	23 3.66	−24 30.6	1.774	2.747	6.8	18.1
9 18	22 56.16	−25 22.0	1.809	2.748	9.2	18.3
9 28	22 49.72	−25 49.5	1.869	2.749	12.1	18.5
10 8	22 45.11	−25 52.8	1.949	2.750	14.8	18.7

513152 2003 QA_{104} 9 7.3 324°.80 3°.8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.62	−13 0.5	1.371	2.236	17.5	20.1
8 9	23 26.19	−13 19.7	1.282	2.210	13.9	19.8
8 19	23 20.80	−13 47.0	1.211	2.185	9.6	19.4
8 29	23 12.92	−14 16.4	1.162	2.161	5.3	19.1
9 8	23 3.53	−14 40.0	1.137	2.138	4.2	19.0
9 18	22 53.96	−14 50.5	1.136	2.116	8.3	19.2
9 28	22 45.69	−14 42.5	1.158	2.094	13.2	19.4
10 8	22 39.93	−14 14.2	1.200	2.074	17.7	19.6

273555 2007 BW_{65} 9 7.3 292°.10 0°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.09	− 2 49.8	1.536	2.369	17.5	21.3
8 9	23 25.34	− 3 8.8	1.443	2.352	14.0	21.1
8 19	23 19.98	− 3 45.1	1.370	2.335	9.8	20.8
8 29	23 12.44	− 4 35.9	1.319	2.317	5.0	20.4
9 8	23 3.60	− 5 35.2	1.293	2.300	0.3	20.0
9 18	22 54.59	− 6 35.5	1.293	2.283	5.6	20.4
9 28	22 46.70	− 7 28.5	1.317	2.266	10.7	20.6
10 8	22 40.99	− 8 7.8	1.365	2.250	15.2	20.9

262965 2007 DR_{99} 9 7.3 214°.67 1°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.45	− 7 22.3	2.455	3.278	12.0	21.0
8 9	23 22.06	− 8 15.7	2.368	3.274	9.4	20.8
8 19	23 17.01	− 9 18.8	2.304	3.270	6.3	20.6
8 29	23 10.71	−10 27.4	2.267	3.266	3.1	20.4
9 8	23 3.74	−11 36.1	2.258	3.262	1.8	20.3
9 18	22 56.78	−12 39.6	2.278	3.257	4.8	20.5
9 28	22 50.54	−13 32.9	2.326	3.252	8.0	20.7
10 8	22 45.64	−14 12.7	2.400	3.247	10.9	20.8

224954 2007 EK_9 9 7.3 351°.79 1°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.79	+ 3 11.6	2.124	2.921	14.5	20.2
8 9	23 20.25	+ 2 28.7	2.036	2.919	11.7	20.0
8 19	23 15.92	+ 1 27.6	1.968	2.918	8.4	19.8
8 29	23 10.22	+ 0 10.8	1.926	2.917	4.7	19.6
9 8	23 3.79	− 1 16.5	1.910	2.916	1.6	19.3
9 18	22 57.38	− 2 47.8	1.923	2.915	3.9	19.5
9 28	22 51.77	− 4 15.7	1.964	2.915	7.6	19.7
10 8	22 47.62	− 5 33.9	2.030	2.914	11.0	19.9

509957 2009 SV_{146} 9 7.3 333°.45 2°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.41	− 8 39.0	1.208	2.078	19.0	20.9
8 9	23 23.83	− 9 7.6	1.131	2.062	15.0	20.6
8 19	23 19.24	− 9 51.1	1.072	2.048	10.3	20.3
8 29	23 12.16	−10 43.6	1.034	2.035	5.1	19.9
9 8	23 3.64	−11 36.2	1.018	2.023	3.0	19.8
9 18	22 55.07	−12 19.6	1.026	2.012	7.8	20.0
9 28	22 47.95	−12 45.8	1.056	2.002	13.1	20.3
10 8	22 43.44	−12 50.6	1.106	1.993	17.8	20.5

376833 2001 OM_{25} 9 7.3 11°.32 2°.4/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.48	− 4 41.4	0.720	1.630	24.0	19.7
8 9	23 16.22	− 5 40.2	0.679	1.633	18.7	19.4
8 19	23 14.40	− 7 7.0	0.653	1.639	12.6	19.1
8 29	23 9.79	− 8 51.1	0.643	1.647	5.9	18.8
9 8	23 3.83	−10 36.2	0.652	1.658	3.0	18.7
9 18	22 58.20	−12 5.6	0.680	1.671	9.0	19.1
9 28	22 54.54	−13 6.7	0.727	1.687	15.0	19.5
10 8	22 53.87	−13 34.2	0.790	1.704	20.0	19.8

363723 2004 VY_{60} 9 7.3 294°.96 6°.7/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.62	−21 34.5	2.180	3.035	12.2	20.3
8 9	23 21.90	−23 28.5	2.102	3.020	9.8	20.2
8 19	23 17.20	−25 26.0	2.048	3.004	7.7	20.0
8 29	23 10.92	−27 18.4	2.021	2.989	6.7	19.9
9 8	23 3.74	−28 56.8	2.021	2.974	7.7	19.9
9 18	22 56.49	−30 14.0	2.048	2.959	9.9	20.1
9 28	22 50.07	−31 5.6	2.098	2.943	12.4	20.2
10 8	22 45.25	−31 30.7	2.169	2.928	14.8	20.3

339097 2004 RD_{162} 9 7.3 22°.49 7°.9/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.43	+14 35.5	1.146	1.943	24.3	20.1
8 9	23 19.75	+14 54.5	1.090	1.956	20.8	19.9
8 19	23 16.24	+14 36.6	1.049	1.970	16.8	19.7
8 29	23 10.55	+13 39.9	1.024	1.985	12.5	19.5
9 8	23 3.78	+12 8.2	1.020	2.003	8.9	19.4
9 18	22 57.24	+10 11.4	1.037	2.021	8.1	19.4
9 28	22 52.23	+ 8 3.6	1.078	2.041	10.7	19.6
10 8	22 49.65	+ 6 0.0	1.141	2.062	14.5	19.9

127850 2003 FC_{112} 9 7.3 64°.11 1°.2/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.09	− 1 8.6	1.203	2.040	21.1	20.0
8 9	23 29.40	− 1 14.6	1.150	2.059	16.8	19.8
8 19	23 22.66	− 1 41.0	1.114	2.077	11.7	19.5
8 29	23 13.63	− 2 24.0	1.099	2.096	6.1	19.3
9 8	23 3.58	− 3 16.7	1.108	2.115	1.2	19.0
9 18	22 53.94	− 4 10.4	1.142	2.134	5.8	19.4
9 28	22 46.08	− 4 56.8	1.200	2.153	11.0	19.7
10 8	22 40.92	− 5 29.8	1.279	2.172	15.4	20.1

392348 2010 FL_{19} 9 7.3 237°.75 6°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.68	−22 30.0	1.943	2.786	14.0	21.0
8 9	23 29.86	−23 21.2	1.870	2.780	11.2	20.8
8 19	23 22.64	−24 11.6	1.818	2.774	8.5	20.6
8 29	23 13.58	−24 53.7	1.791	2.767	6.7	20.5
9 8	23 3.58	−25 20.2	1.791	2.761	7.0	20.5
9 18	22 53.73	−25 26.5	1.817	2.754	9.3	20.6
9 28	22 45.10	−25 10.3	1.868	2.747	12.2	20.8
10 8	22 38.52	−24 32.8	1.941	2.740	14.9	21.0

380528 2004 GU_{12} 9 7.3 70°.36 8°.4/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.23	−23 31.0	1.461	2.318	17.0	20.2
8 9	23 31.40	−24 49.7	1.424	2.341	13.6	20.1
8 19	23 23.72	−26 4.7	1.408	2.364	10.4	20.0
8 29	23 14.02	−27 5.5	1.414	2.387	8.5	19.9
9 8	23 3.56	−27 43.1	1.446	2.409	9.0	20.0
9 18	22 53.69	−27 52.8	1.501	2.432	11.4	20.2
9 28	22 45.62	−27 34.2	1.579	2.454	14.2	20.4
10 8	22 40.12	−26 50.8	1.678	2.477	16.9	20.7

48976 1998 QN_{40} 9 7.3 267°.59 3°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.12	+ 3 36.1	1.589	2.394	18.3	18.5
8 9	23 25.93	+ 3 39.3	1.505	2.390	15.0	18.3
8 19	23 20.23	+ 3 22.3	1.439	2.386	11.1	18.1
8 29	23 12.51	+ 2 45.7	1.396	2.383	6.7	17.8
9 8	23 3.66	+ 1 53.3	1.377	2.379	3.2	17.6
9 18	22 54.78	+ 0 51.4	1.383	2.375	5.2	17.7
9 28	22 47.07	− 0 11.9	1.416	2.371	9.5	18.0
10 8	22 41.48	− 1 9.0	1.472	2.367	13.7	18.2

163857 2003 SF_{91} 9 7.3 236°.85 1°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.69	− 2 5.7	2.021	2.821	15.0	20.4
8 9	23 28.95	− 1 49.4	1.927	2.814	12.1	20.2
8 19	23 21.99	− 1 44.2	1.855	2.807	8.6	20.0
8 29	23 13.29	− 1 48.7	1.807	2.800	4.7	19.7
9 8	23 3.61	− 2 0.0	1.786	2.792	1.4	19.5
9 18	22 53.90	− 2 14.8	1.794	2.784	4.4	19.7
9 28	22 45.16	− 2 28.7	1.830	2.776	8.4	19.9
10 8	22 38.21	− 2 37.8	1.890	2.768	12.0	20.1

451578 2012 AE_{14} 9 7.3 141°.21 5°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.17	+14 34.6	2.858	3.551	13.4	21.2
8 9	23 26.29	+15 18.5	2.767	3.559	11.6	21.1
8 19	23 19.80	+15 47.4	2.695	3.567	9.5	20.9
8 29	23 12.08	+15 59.8	2.648	3.575	7.5	20.8
9 8	23 3.71	+15 55.8	2.627	3.582	6.0	20.7
9 18	22 55.33	+15 36.8	2.633	3.589	5.8	20.7
9 28	22 47.64	+15 6.1	2.669	3.596	7.0	20.8
10 8	22 41.23	+14 28.4	2.730	3.603	8.9	21.0

471262 2011 DT_{5} 9 7.3 246°.65 0°.1/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.74	− 3 42.4	1.763	2.584	16.1	22.5
8 9	23 27.02	− 4 3.7	1.671	2.573	12.8	22.2
8 19	23 20.89	− 4 39.7	1.599	2.562	8.9	22.0
8 29	23 12.83	− 5 27.0	1.552	2.550	4.4	21.7
9 8	23 3.65	− 6 20.1	1.530	2.538	0.4	21.3
9 18	22 54.38	− 7 12.5	1.536	2.525	5.2	21.7
9 28	22 46.16	− 7 57.6	1.568	2.512	9.7	21.9
10 8	22 39.90	− 8 30.3	1.624	2.499	13.8	22.1

79593 1998 RP_{30} 9 7.3 106°.59 0°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.80	− 2 39.1	1.605	2.424	17.5	19.7
8 9	23 29.38	− 2 38.2	1.534	2.433	14.0	19.5
8 19	23 22.42	− 2 51.6	1.482	2.441	9.7	19.2
8 29	23 13.50	− 3 16.8	1.454	2.450	5.0	19.0
9 8	23 3.61	− 3 48.9	1.451	2.458	0.8	18.7
9 18	22 53.90	− 4 22.2	1.476	2.466	5.0	19.0
9 28	22 45.53	− 4 51.0	1.526	2.474	9.6	19.3
10 8	22 39.36	− 5 10.5	1.600	2.482	13.5	19.6

71397 2000 AJ_{167} 9 7.3 117°.89 4°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.48	+11 14.9	2.548	3.284	13.9	19.3
8 9	23 22.02	+11 21.2	2.459	3.289	11.8	19.2
8 19	23 16.97	+11 10.4	2.389	3.294	9.3	19.0
8 29	23 10.71	+10 42.5	2.343	3.299	6.7	18.8
9 8	23 3.81	+ 9 59.1	2.322	3.303	4.7	18.7
9 18	22 56.94	+ 9 3.7	2.330	3.308	4.7	18.7
9 28	22 50.79	+ 8 1.1	2.365	3.313	6.7	18.9
10 8	22 45.93	+ 6 57.0	2.427	3.317	9.2	19.0

171121 2005 GM_{7} 9 7.3 208°.35 4°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.35	−16 4.3	2.063	2.907	13.2	20.4
8 9	23 25.49	−17 6.7	1.988	2.905	10.4	20.2
8 19	23 19.56	−18 13.9	1.936	2.902	7.3	20.0
8 29	23 12.05	−19 19.3	1.909	2.899	4.9	19.8
9 8	23 3.72	−20 15.9	1.910	2.896	5.0	19.8
9 18	22 55.47	−20 57.8	1.938	2.893	7.6	20.0
9 28	22 48.20	−21 21.3	1.991	2.889	10.6	20.2
10 8	22 42.66	−21 25.1	2.067	2.885	13.5	20.4

507253 2011 BP_{118} 9 7.3 227°.01 2°.7/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.48	−10 23.2	1.917	2.748	14.6	23.0
8 9	23 28.19	−11 8.2	1.827	2.738	11.4	22.8
8 19	23 21.59	−12 3.0	1.759	2.727	7.8	22.6
8 29	23 13.14	−13 1.9	1.717	2.715	4.1	22.3
9 8	23 3.65	−13 58.3	1.702	2.702	3.1	22.2
9 18	22 54.11	−14 45.6	1.714	2.689	6.5	22.4
9 28	22 45.59	−15 18.2	1.753	2.676	10.4	22.6
10 8	22 38.97	−15 33.6	1.816	2.661	13.9	22.8

485241 2010 VD_{84} 9 7.3 307°.16 2°.9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.21	−12 3.9	2.064	2.905	13.3	21.8
8 9	23 23.85	−12 42.5	1.977	2.893	10.4	21.6
8 19	23 18.48	−13 28.1	1.912	2.882	7.1	21.3
8 29	23 11.55	−14 15.9	1.873	2.870	3.9	21.1
9 8	23 3.76	−14 59.9	1.860	2.859	3.3	21.1
9 18	22 55.97	−15 34.7	1.875	2.848	6.2	21.2
9 28	22 49.08	−15 56.0	1.916	2.837	9.7	21.4
10 8	22 43.83	−16 1.5	1.980	2.826	12.9	21.6

145611 2006 QP_{42} 9 7.3 348°.86 1°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.44	− 6 54.5	1.667	2.512	15.8	20.1
8 9	23 22.87	− 7 37.8	1.591	2.508	12.4	19.8
8 19	23 18.00	− 8 34.5	1.534	2.505	8.4	19.6
8 29	23 11.36	− 9 39.3	1.502	2.502	4.0	19.3
9 8	23 3.78	−10 45.1	1.495	2.500	2.1	19.2
9 18	22 56.24	−11 44.3	1.514	2.498	6.0	19.5
9 28	22 49.80	−12 30.3	1.559	2.497	10.3	19.7
10 8	22 45.29	−12 59.1	1.626	2.496	14.0	19.9

483788 2005 UJ_{479} 9 7.3 338°.95 4°.3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.13	−12 55.9	1.523	2.391	15.9	20.9
8 9	23 21.42	−13 50.5	1.443	2.374	12.4	20.6
8 19	23 17.24	−14 55.1	1.383	2.358	8.6	20.4
8 29	23 11.07	−16 2.4	1.346	2.343	5.1	20.1
9 8	23 3.79	−17 3.7	1.334	2.330	4.9	20.1
9 18	22 56.49	−17 50.7	1.346	2.317	8.3	20.2
9 28	22 50.34	−18 17.1	1.382	2.306	12.4	20.5
10 8	22 46.27	−18 20.5	1.438	2.296	16.2	20.7

461170 2015 TX_{232} 9 7.3 260°.55 3°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.30	+ 8 16.6	2.581	3.333	13.3	21.4
8 9	23 22.00	+ 8 11.2	2.470	3.317	11.2	21.3
8 19	23 17.05	+ 7 49.7	2.380	3.301	8.6	21.1
8 29	23 10.81	+ 7 12.0	2.315	3.285	5.9	20.9
9 8	23 3.82	+ 6 20.3	2.276	3.268	3.7	20.7
9 18	22 56.73	+ 5 18.1	2.265	3.251	4.1	20.7
9 28	22 50.27	+ 4 10.6	2.283	3.234	6.7	20.8
10 8	22 45.05	+ 3 3.4	2.328	3.216	9.6	21.0

212304 2005 NR_{72} 9 7.3 156°.14 1°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.52	− 7 35.5	2.057	2.886	13.8	20.8
8 9	23 24.00	− 8 14.0	1.977	2.887	10.8	20.6
8 19	23 18.51	− 9 2.7	1.920	2.887	7.3	20.3
8 29	23 11.53	− 9 57.1	1.888	2.887	3.5	20.1
9 8	23 3.78	−10 51.5	1.883	2.888	1.8	20.0
9 18	22 56.10	−11 40.2	1.906	2.888	5.2	20.2
9 28	22 49.34	−12 18.3	1.956	2.888	8.9	20.5
10 8	22 44.22	−12 42.5	2.030	2.889	12.1	20.7

6926 1994 RO_{11} 9 7.3 308°.74 0°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.72	− 6 32.1	1.652	2.480	16.7	17.0
8 9	23 29.62	− 6 11.4	1.557	2.463	13.3	16.7
8 19	23 22.85	− 5 59.7	1.481	2.445	9.3	16.4
8 29	23 13.88	− 5 54.6	1.430	2.428	4.7	16.1
9 8	23 3.61	− 5 52.6	1.404	2.411	0.3	15.7
9 18	22 53.21	− 5 49.7	1.405	2.394	5.4	16.1
9 28	22 43.95	− 5 42.0	1.431	2.378	10.2	16.3
10 8	22 36.87	− 5 26.2	1.482	2.363	14.5	16.5

513076 2017 WC_{21} 9 7.3 235°.79 10°.9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 45.21	−35 15.5	1.980	2.796	14.8	22.2
8 9	23 38.58	−36 33.2	1.908	2.780	12.9	22.1
8 19	23 28.88	−37 41.6	1.857	2.764	11.4	22.0
8 29	23 16.77	−38 29.9	1.830	2.746	10.9	21.9
9 8	23 3.42	−38 49.2	1.828	2.728	11.6	21.9
9 18	22 50.24	−38 34.6	1.850	2.709	13.4	22.0
9 28	22 38.67	−37 46.5	1.894	2.689	15.5	22.1
10 8	22 29.76	−36 29.2	1.958	2.668	17.7	22.2

126853 2002 EJ_{74} 9 7.3 128°.37 2°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.27	+ 7 59.0	2.428	3.189	13.9	19.6
8 9	23 21.15	+ 7 29.1	2.339	3.193	11.5	19.5
8 19	23 16.42	+ 6 41.0	2.270	3.197	8.6	19.3
8 29	23 10.46	+ 5 36.2	2.226	3.202	5.6	19.1
9 8	23 3.88	+ 4 18.2	2.209	3.206	3.1	19.0
9 18	22 57.33	+ 2 52.3	2.221	3.210	3.8	19.0
9 28	22 51.52	+ 1 24.6	2.262	3.214	6.6	19.2
10 8	22 47.03	+ 0 1.6	2.329	3.218	9.6	19.4

41979 Lelumacri 9 7.3 218°.78 1°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.02	− 6 53.9	2.776	3.588	11.1	20.6
8 9	23 23.11	− 7 27.9	2.680	3.580	8.7	20.4
8 19	23 17.67	− 8 9.9	2.609	3.571	5.9	20.2
8 29	23 11.07	− 8 57.0	2.564	3.562	2.8	20.0
9 8	23 3.84	− 9 45.0	2.548	3.553	1.2	19.9
9 18	22 56.60	−10 29.8	2.561	3.544	4.0	20.1
9 28	22 49.99	−11 7.6	2.603	3.533	7.0	20.2
10 8	22 44.59	−11 35.5	2.672	3.523	9.8	20.4

86614 2000 EA_{103} 9 7.3 114°.25 2°.8/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.00	+ 2 30.5	1.691	2.489	17.6	19.3
8 9	23 27.91	+ 2 39.5	1.615	2.497	14.3	19.1
8 19	23 21.41	+ 2 30.8	1.558	2.505	10.4	18.9
8 29	23 13.04	+ 2 5.6	1.524	2.512	6.2	18.7
9 8	23 3.72	+ 1 27.4	1.516	2.519	2.9	18.5
9 18	22 54.50	+ 0 41.7	1.535	2.526	4.9	18.7
9 28	22 46.50	− 0 4.9	1.580	2.533	8.9	18.9
10 8	22 40.55	− 0 46.1	1.650	2.539	12.8	19.2

261737 2006 AZ_{82} 9 7.3 215°.60 2°.4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.17	−11 47.8	2.636	3.464	11.2	21.1
8 9	23 23.31	−12 29.7	2.550	3.459	8.7	20.9
8 19	23 17.84	−13 17.2	2.488	3.454	5.9	20.7
8 29	23 11.16	−14 6.4	2.452	3.449	3.2	20.6
9 8	23 3.86	−14 52.5	2.445	3.443	2.7	20.5
9 18	22 56.57	−15 31.2	2.467	3.437	5.1	20.7
9 28	22 49.99	−15 59.0	2.516	3.431	8.0	20.8
10 8	22 44.71	−16 13.9	2.590	3.425	10.6	21.0

392898 2012 VX_{42} 9 7.3 291°.60 3°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.16	−12 59.4	1.758	2.606	15.0	21.0
8 9	23 25.95	−13 48.9	1.663	2.583	11.8	20.8
8 19	23 20.28	−14 47.6	1.590	2.561	8.2	20.5
8 29	23 12.61	−15 49.1	1.542	2.538	4.8	20.3
9 8	23 3.74	−16 45.5	1.519	2.515	4.4	20.2
9 18	22 54.72	−17 29.6	1.522	2.492	7.8	20.3
9 28	22 46.72	−17 55.4	1.551	2.469	11.8	20.5
10 8	22 40.71	−18 0.4	1.602	2.447	15.5	20.7

510510 2012 BA_{44} 9 7.4 178°.16 3°.2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.55	−13 41.1	2.541	3.376	11.3	21.5
8 9	23 22.87	−14 41.7	2.464	3.377	8.8	21.3
8 19	23 17.56	−15 47.7	2.411	3.377	6.0	21.1
8 29	23 11.03	−16 53.8	2.384	3.378	3.7	21.0
9 8	23 3.87	−17 54.5	2.386	3.378	3.6	21.0
9 18	22 56.76	−18 45.0	2.417	3.378	5.9	21.1
9 28	22 50.40	−19 21.5	2.475	3.377	8.6	21.3
10 8	22 45.39	−19 42.3	2.557	3.377	11.2	21.5

366128 2012 DP_{60} 9 7.4 147°.20 1°.5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.41	− 6 32.3	2.469	3.292	12.0	20.7
8 9	23 21.24	− 7 33.0	2.388	3.294	9.3	20.5
8 19	23 16.46	− 8 44.0	2.330	3.296	6.2	20.3
8 29	23 10.50	−10 0.8	2.299	3.298	3.0	20.1
9 8	23 3.91	−11 17.9	2.296	3.300	1.7	20.0
9 18	22 57.36	−12 29.6	2.323	3.302	4.6	20.2
9 28	22 51.53	−13 30.9	2.377	3.304	7.8	20.4
10 8	22 47.01	−14 18.4	2.457	3.305	10.6	20.6

390896 2005 BV_{7} 9 7.4 176°.50 5°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.11	−17 48.7	2.150	2.994	12.8	21.0
8 9	23 25.24	−19 13.9	2.081	2.996	10.0	20.8
8 19	23 19.38	−20 43.0	2.035	2.997	7.3	20.7
8 29	23 11.99	−22 8.7	2.015	2.998	5.4	20.5
9 8	23 3.81	−23 23.2	2.023	2.999	5.9	20.6
9 18	22 55.71	−24 20.4	2.058	2.999	8.2	20.7
9 28	22 48.57	−24 56.5	2.119	2.998	11.0	20.9
10 8	22 43.10	−25 10.7	2.203	2.997	13.5	21.1

378633 2008 FD_{115} 9 7.4 106°.27 3°.5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.06	−12 25.0	1.568	2.413	16.6	21.2
8 9	23 29.70	−13 1.8	1.503	2.420	13.0	21.0
8 19	23 22.69	−13 46.3	1.458	2.427	8.9	20.7
8 29	23 13.68	−14 31.9	1.437	2.434	4.8	20.5
9 8	23 3.71	−15 10.9	1.442	2.441	3.9	20.5
9 18	22 53.98	−15 37.1	1.473	2.448	7.4	20.7
9 28	22 45.68	−15 46.2	1.530	2.454	11.4	21.0
10 8	22 39.68	−15 37.2	1.608	2.461	15.1	21.2

185358 2006 VB_{83} 9 7.4 41°.79 1°.0/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.45	− 1 52.6	1.157	2.004	21.2	19.9
8 9	23 27.43	− 1 56.3	1.107	2.022	16.8	19.6
8 19	23 21.38	− 2 20.0	1.074	2.040	11.7	19.4
8 29	23 13.07	− 2 59.8	1.062	2.060	6.0	19.2
9 8	23 3.76	− 3 48.3	1.073	2.080	1.0	18.9
9 18	22 54.87	− 4 37.2	1.108	2.100	5.8	19.3
9 28	22 47.75	− 5 18.3	1.166	2.122	11.0	19.7
10 8	22 43.28	− 5 45.9	1.246	2.143	15.4	20.0

79232 1994 PH_{25} 9 7.4 355°.85 2°.4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.82	− 5 53.6	1.150	2.023	19.6	18.6
8 9	23 20.99	− 6 55.0	1.084	2.018	15.4	18.3
8 19	23 17.26	− 8 17.4	1.036	2.014	10.4	18.1
8 29	23 11.19	− 9 53.2	1.010	2.012	5.0	17.8
9 8	23 3.88	−11 30.7	1.006	2.011	2.9	17.6
9 18	22 56.65	−12 57.6	1.025	2.011	7.9	17.9
9 28	22 50.91	−14 3.4	1.067	2.012	13.1	18.2
10 8	22 47.67	−14 42.5	1.128	2.014	17.6	18.5

396511 2014 GO_{9} 9 7.4 254°.90 0°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.74	− 5 4.8	1.920	2.740	15.0	20.8
8 9	23 26.76	− 5 15.3	1.831	2.733	11.9	20.6
8 19	23 20.58	− 5 37.2	1.764	2.726	8.2	20.4
8 29	23 12.66	− 6 7.4	1.720	2.719	4.0	20.1
9 8	23 3.79	− 6 41.3	1.704	2.711	0.5	19.8
9 18	22 54.90	− 7 13.9	1.715	2.704	4.8	20.1
9 28	22 47.01	− 7 40.0	1.753	2.696	9.0	20.4
10 8	22 40.93	− 7 55.9	1.816	2.688	12.7	20.6

263774 2008 KS_{37} 9 7.4 350°.37 2°.0/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.86	− 7 54.3	2.158	2.991	13.1	20.9
8 9	23 21.86	− 8 53.4	2.079	2.991	10.2	20.7
8 19	23 17.04	−10 2.9	2.022	2.990	6.8	20.5
8 29	23 10.84	−11 18.1	1.990	2.990	3.4	20.3
9 8	23 3.92	−12 32.5	1.987	2.989	2.3	20.2
9 18	22 57.03	−13 39.8	2.011	2.989	5.4	20.4
9 28	22 50.99	−14 34.6	2.063	2.989	8.8	20.6
10 8	22 46.44	−15 13.5	2.139	2.989	11.9	20.9

264392 2000 EZ_{8} 9 7.4 300°.30 1°.2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.42	− 2 45.4	2.187	2.989	14.0	20.2
8 9	23 27.17	− 2 25.2	2.077	2.966	11.3	19.9
8 19	23 20.84	− 2 14.4	1.989	2.943	8.0	19.7
8 29	23 12.82	− 2 11.8	1.927	2.920	4.4	19.4
9 8	23 3.78	− 2 15.1	1.891	2.897	1.2	19.2
9 18	22 54.57	− 2 21.4	1.884	2.875	4.2	19.3
9 28	22 46.13	− 2 27.0	1.905	2.852	8.1	19.5
10 8	22 39.29	− 2 28.6	1.952	2.830	11.6	19.7

339204 2004 TB_{246} 9 7.4 14.°33 1.°0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.85	− 5 57.5	1.099	1.970	20.4	20.2
8 9	23 23.32	− 6 12.5	1.044	1.975	16.1	19.9
8 19	23 18.76	− 6 44.3	1.007	1.983	10.9	19.7
8 29	23 11.87	− 7 27.5	0.990	1.992	5.3	19.4
9 8	23 3.86	− 8 13.7	0.995	2.002	1.3	19.2
9 18	22 56.13	− 8 54.1	1.024	2.014	6.7	19.6
9 28	22 50.08	− 9 21.4	1.074	2.028	12.0	19.9
10 8	22 46.63	− 9 31.1	1.145	2.043	16.5	20.2

330921 2009 SP_{131} 9 7.4 31.°33 0.°6/ 6.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.10	− 3 21.5	1.182	2.039	20.2	20.5
8 9	23 24.07	− 3 58.8	1.128	2.050	15.9	20.3
8 19	23 19.14	− 4 56.4	1.091	2.063	10.8	20.0
8 29	23 12.01	− 6 8.1	1.075	2.076	5.2	19.8
9 8	23 3.85	− 7 24.6	1.083	2.090	0.9	19.5
9 18	22 55.98	− 8 35.6	1.115	2.105	6.3	19.9
9 28	22 49.72	− 9 32.0	1.170	2.121	11.5	20.3
10 8	22 45.94	−10 8.6	1.246	2.137	15.9	20.6

432753 2011 EX_{65} 9 7.4 253.°59 0.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.50	− 2 14.2	1.753	2.572	16.2	21.8
8 9	23 26.12	− 2 40.7	1.659	2.559	13.0	21.6
8 19	23 20.35	− 3 23.8	1.585	2.546	9.1	21.3
8 29	23 12.64	− 4 20.4	1.535	2.533	4.6	21.0
9 8	23 3.80	− 5 24.7	1.511	2.519	0.3	20.7
9 18	22 54.85	− 6 29.9	1.515	2.505	5.1	21.0
9 28	22 46.91	− 7 28.3	1.544	2.490	9.7	21.3
10 8	22 40.91	− 8 14.1	1.598	2.475	13.8	21.5

243877 2000 YR_{1} 9 7.4 8.°96 10.°3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.24	+11 53.3	1.312	2.089	22.7	18.9
8 9	23 29.05	+13 50.2	1.241	2.091	19.8	18.7
8 19	23 22.78	+15 25.2	1.187	2.093	16.4	18.5
8 29	23 13.97	+16 32.0	1.152	2.097	13.1	18.3
9 8	23 3.71	+17 6.5	1.137	2.102	10.7	18.2
9 18	22 53.41	+17 9.2	1.145	2.109	10.5	18.2
9 28	22 44.60	+16 45.7	1.176	2.116	12.6	18.3
10 8	22 38.47	+16 5.9	1.227	2.125	15.6	18.5

380121 1996 AH_{12} 9 7.4 262.°62 1.°1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.21	+ 0 37.2	1.744	2.556	16.6	22.4
8 9	23 25.17	+ 0 8.6	1.646	2.539	13.4	22.2
8 19	23 19.75	− 0 39.5	1.566	2.522	9.6	21.9
8 29	23 12.37	− 1 44.9	1.511	2.505	5.2	21.6
9 8	23 3.83	− 3 2.2	1.481	2.487	1.1	21.3
9 18	22 55.11	− 4 24.0	1.478	2.470	4.9	21.5
9 28	22 47.35	− 5 41.6	1.502	2.451	9.6	21.8
10 8	22 41.50	− 6 47.6	1.550	2.433	13.8	22.0

152371 2005 UN_{162} 9 7.4 243.°67 2.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.69	− 8 43.8	2.356	3.185	12.3	20.4
8 9	23 22.40	− 9 40.6	2.268	3.178	9.6	20.2
8 19	23 17.38	−10 46.9	2.202	3.170	6.4	20.0
8 29	23 11.02	−11 58.2	2.163	3.162	3.3	19.8
9 8	23 3.93	−13 8.5	2.153	3.154	2.4	19.7
9 18	22 56.83	−14 12.2	2.170	3.146	5.3	19.9
9 28	22 50.48	−15 4.2	2.216	3.138	8.5	20.1
10 8	22 45.52	−15 41.2	2.286	3.129	11.5	20.3

304397 2006 TD_{3} 9 7.4 47.°71 3.°2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.74	−11 49.3	1.807	2.652	14.8	20.5
8 9	23 25.20	−12 35.0	1.740	2.658	11.5	20.3
8 19	23 19.45	−13 28.3	1.695	2.665	7.8	20.1
8 29	23 12.06	−14 23.2	1.674	2.672	4.3	19.9
9 8	23 3.86	−15 13.0	1.680	2.678	3.6	19.9
9 18	22 55.83	−15 51.5	1.712	2.685	6.7	20.1
9 28	22 48.93	−16 14.3	1.770	2.693	10.3	20.3
10 8	22 43.91	−16 19.7	1.851	2.700	13.5	20.6

298639 2004 BZ_{54} 9 7.4 297.°08 2.°1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.03	+ 0 55.2	1.833	2.640	16.1	20.8
8 9	23 24.87	+ 0 59.4	1.735	2.624	13.1	20.6
8 19	23 19.45	+ 0 47.8	1.657	2.608	9.5	20.3
8 29	23 12.19	+ 0 21.5	1.602	2.593	5.5	20.0
9 8	23 3.85	− 0 16.1	1.572	2.577	2.1	19.8
9 18	22 55.37	− 1 0.3	1.570	2.561	4.6	19.9
9 28	22 47.82	− 1 44.7	1.593	2.546	8.8	20.1
10 8	22 42.08	− 2 23.4	1.641	2.531	12.8	20.3

386458 2008 XW_{17} 9 7.4 154.°32 0.°3/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.07	− 3 40.4	2.175	2.986	13.8	22.6
8 9	23 25.08	− 4 14.6	2.095	2.991	10.8	22.4
8 19	23 19.20	− 5 0.8	2.036	2.997	7.4	22.2
8 29	23 11.91	− 5 55.6	2.004	3.002	3.6	21.9
9 8	23 3.89	− 6 53.9	1.999	3.006	0.5	21.7
9 18	22 55.95	− 7 50.3	2.023	3.011	4.3	22.0
9 28	22 48.91	− 8 39.4	2.075	3.014	8.0	22.2
10 8	22 43.43	− 9 17.2	2.152	3.018	11.2	22.5

183217 2002 TQ_{36} 9 7.4 343.°85 5.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.96	−13 50.4	1.034	1.925	19.9	19.0
8 9	23 23.18	−14 32.3	0.967	1.910	15.7	18.7
8 19	23 19.09	−15 24.8	0.917	1.897	10.9	18.4
8 29	23 12.24	−16 19.0	0.887	1.886	6.6	18.1
9 8	23 3.86	−17 3.2	0.878	1.876	6.1	18.1
9 18	22 55.51	−17 27.4	0.890	1.868	10.3	18.3
9 28	22 48.88	−17 25.3	0.922	1.861	15.3	18.5
10 8	22 45.16	−16 55.6	0.973	1.857	19.9	18.8

374849 2006 VO_{1} 9 7.4 320.°12 2.°6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.30	+ 1 42.9	1.166	2.016	20.9	20.7
8 9	23 21.00	+ 1 45.9	1.064	1.979	17.3	20.3
8 19	23 17.73	+ 1 23.3	0.979	1.944	12.8	20.0
8 29	23 11.75	+ 0 34.2	0.913	1.908	7.5	19.5
9 8	23 3.88	− 0 37.9	0.869	1.874	2.8	19.1
9 18	22 55.43	− 2 4.6	0.846	1.841	6.4	19.3
9 28	22 48.10	− 3 33.4	0.845	1.809	12.6	19.5
10 8	22 43.40	− 4 51.2	0.863	1.779	18.6	19.7

448404 2009 RY_{67} 9 7.4 57.°97 6.°2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.02	+19 22.0	2.214	2.910	16.7	21.0
8 9	23 21.14	+18 58.4	2.137	2.929	14.5	20.9
8 19	23 16.49	+18 9.1	2.076	2.948	11.9	20.8
8 29	23 10.55	+16 53.5	2.037	2.967	9.2	20.6
9 8	23 3.99	+15 14.7	2.023	2.986	6.9	20.5
9 18	22 57.57	+13 18.2	2.036	3.005	6.2	20.5
9 28	22 52.05	+11 12.2	2.078	3.024	7.5	20.6
10 8	22 48.01	+ 9 5.9	2.147	3.044	9.9	20.8

479951 2014 HW_{178} 9 7.4 227.°20 2.°8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.39	+ 6 26.5	2.152	2.925	15.1	21.8
8 9	23 23.17	+ 5 59.4	2.054	2.918	12.4	21.6
8 19	23 18.04	+ 5 12.7	1.975	2.910	9.3	21.4
8 29	23 11.40	+ 4 7.5	1.921	2.902	5.8	21.2
9 8	23 3.93	+ 2 47.7	1.894	2.894	3.0	21.0
9 18	22 56.40	+ 1 19.1	1.895	2.885	4.1	21.1
9 28	22 49.67	− 0 11.0	1.924	2.876	7.6	21.3
10 8	22 44.46	− 1 35.4	1.980	2.867	11.1	21.5

241201 2007 TM_{20} 9 7.4 99.°97 4.°6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.96	−16 35.2	1.887	2.732	14.3	20.0
8 9	23 27.67	−17 20.1	1.819	2.735	11.2	19.8
8 19	23 21.12	−18 8.6	1.773	2.739	7.9	19.6
8 29	23 12.89	−18 53.9	1.752	2.743	5.1	19.4
9 8	23 3.84	−19 29.5	1.758	2.747	5.0	19.4
9 18	22 54.96	−19 50.0	1.790	2.750	7.7	19.6
9 28	22 47.26	−19 52.6	1.848	2.754	10.9	19.8
10 8	22 41.50	−19 36.8	1.929	2.758	13.9	20.0

179782 2002 SE_{65} 9 7.4 73.°19 2.°5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.63	+ 1 7.1	1.462	2.277	19.1	20.5
8 9	23 28.75	+ 1 20.0	1.394	2.287	15.5	20.3
8 19	23 22.16	+ 1 14.4	1.345	2.297	11.1	20.0
8 29	23 13.49	+ 0 51.8	1.317	2.308	6.4	19.8
9 8	23 3.79	+ 0 16.3	1.314	2.318	2.6	19.6
9 18	22 54.28	− 0 25.9	1.337	2.328	5.2	19.8
9 28	22 46.19	− 1 7.6	1.385	2.339	9.8	20.1
10 8	22 40.44	− 1 42.3	1.456	2.349	13.9	20.4

261005 2005 SB_{97} 9 7.4 11.°00 3.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.78	−15 12.2	1.926	2.770	14.0	20.7
8 9	23 26.71	−15 43.2	1.854	2.771	11.0	20.5
8 19	23 20.45	−16 18.1	1.804	2.772	7.6	20.3
8 29	23 12.56	−16 51.3	1.779	2.773	4.6	20.2
9 8	23 3.86	−17 17.0	1.780	2.774	4.2	20.1
9 18	22 55.31	−17 30.4	1.809	2.776	6.9	20.3
9 28	22 47.88	−17 28.5	1.863	2.778	10.3	20.5
10 8	22 42.30	−17 10.5	1.940	2.781	13.4	20.7

341103 2007 JW_{40} 9 7.4 5.°58 10.°9/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.09	−24 33.3	1.212	2.100	17.7	18.8
8 9	23 22.85	−26 38.5	1.167	2.100	14.5	18.6
8 19	23 18.52	−28 41.9	1.141	2.101	11.9	18.4
8 29	23 11.80	−30 28.8	1.137	2.103	10.9	18.4
9 8	23 3.91	−31 45.9	1.155	2.107	12.1	18.5
9 18	22 56.28	−32 24.9	1.193	2.112	14.8	18.6
9 28	22 50.34	−32 23.9	1.251	2.117	17.8	18.8
10 8	22 47.04	−31 46.5	1.325	2.124	20.6	19.1

515648 2014 OA_{19} 9 7.4 57.°19 2.°9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.13	+ 4 32.0	2.230	3.008	14.4	21.5
8 9	23 23.55	+ 4 38.4	2.146	3.014	11.8	21.4
8 19	23 18.16	+ 4 29.7	2.083	3.019	8.8	21.2
8 29	23 11.41	+ 4 6.6	2.043	3.024	5.6	21.0
9 8	23 3.95	+ 3 31.9	2.031	3.029	3.1	20.9
9 18	22 56.54	+ 2 49.4	2.046	3.035	4.1	20.9
9 28	22 49.96	+ 2 4.1	2.088	3.040	7.1	21.1
10 8	22 44.87	+ 1 21.2	2.157	3.046	10.2	21.3

2335 James 9 7.4 259°.20 17°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	0 12.43	−51 55.4	1.845	2.582	18.4	17.8
8 9	0 2.05	−53 36.3	1.777	2.554	17.6	17.7
8 19	23 46.19	−54 56.2	1.727	2.524	17.2	17.6
8 29	23 25.73	−55 37.8	1.697	2.493	17.4	17.5
9 8	23 2.99	−55 27.2	1.686	2.460	18.2	17.5
9 18	22 41.04	−54 19.5	1.695	2.427	19.6	17.6
9 28	22 22.70	−52 19.0	1.723	2.392	21.2	17.6
10 8	22 9.50	−49 37.9	1.766	2.356	22.8	17.7

356962 2012 XG_{120} 9 7.4 259°.65 1°.3/ 4.7 17

7 30	23 20.50	−11 33.6	4.434	5.254	7.1	20.7
8 9	23 17.46	−12 1.3	4.347	5.252	5.5	20.5
8 19	23 13.54	−12 32.0	4.285	5.250	3.7	20.4
8 29	23 8.99	−13 3.6	4.251	5.248	1.9	20.3
9 8	23 4.12	−13 33.7	4.246	5.246	1.5	20.2
9 18	22 59.27	−14 0.1	4.271	5.244	3.1	20.4
9 28	22 54.79	−14 20.9	4.325	5.242	4.9	20.5
10 8	22 51.00	−14 34.8	4.406	5.240	6.6	20.6

448414 2009 SE_{139} 9 7.4 38°.95 2°.9/10.9 18

7 30	23 23.04	+ 7 30.2	2.057	2.835	15.5	20.7
8 9	23 20.50	+ 6 55.9	1.978	2.844	12.8	20.5
8 19	23 16.14	+ 6 0.8	1.919	2.853	9.5	20.3
8 29	23 10.42	+ 4 46.8	1.883	2.863	6.0	20.1
9 8	23 4.02	+ 3 18.5	1.873	2.873	3.2	20.0
9 18	22 57.70	+ 1 42.6	1.892	2.883	4.1	20.1
9 28	22 52.25	+ 0 6.7	1.938	2.893	7.3	20.3
10 8	22 48.30	− 1 21.9	2.010	2.904	10.6	20.5

477063 2009 BC_{42} 9 7.4 236°.08 1°.9/ 5.4 18

7 30	23 27.64	− 7 37.8	2.002	2.833	14.1	21.5
8 9	23 24.25	− 8 26.7	1.918	2.828	11.0	21.3
8 19	23 18.82	− 9 27.0	1.855	2.823	7.4	21.0
8 29	23 11.80	−10 33.8	1.818	2.818	3.7	20.8
9 8	23 3.93	−11 40.6	1.809	2.813	2.1	20.7
9 18	22 56.07	−12 40.9	1.827	2.807	5.6	20.9
9 28	22 49.13	−13 29.0	1.872	2.801	9.4	21.1
10 8	22 43.87	−14 1.4	1.940	2.796	12.7	21.3

117504 2005 CD_{23} 9 7.4 228°.17 5°.4/ 1.0 18

7 30	23 28.51	−17 34.2	2.107	2.953	12.9	20.0
8 9	23 24.95	−19 3.1	2.028	2.945	10.2	19.8
8 19	23 19.31	−20 37.2	1.973	2.937	7.4	19.7
8 29	23 12.06	−22 9.0	1.945	2.928	5.5	19.5
9 8	23 3.92	−23 30.1	1.943	2.919	6.1	19.5
9 18	22 55.77	−24 33.9	1.969	2.909	8.5	19.7
9 28	22 48.54	−25 15.7	2.021	2.900	11.4	19.8
10 8	22 42.99	−25 34.3	2.094	2.890	14.1	20.0

514405 2016 TH_{8} 9 7.4 321°.87 4°.7/ 3.6 18

7 30	23 25.16	−12 44.1	1.395	2.264	17.0	20.6
8 9	23 23.46	−13 38.3	1.306	2.238	13.4	20.3
8 19	23 18.98	−14 44.6	1.237	2.212	9.3	20.0
8 29	23 12.16	−15 55.5	1.190	2.188	5.5	19.7
9 8	23 3.91	−17 1.1	1.167	2.164	5.2	19.6
9 18	22 55.46	−17 51.7	1.167	2.140	9.1	19.8
9 28	22 48.21	−18 19.8	1.191	2.118	13.7	20.0
10 8	22 43.32	−18 21.8	1.234	2.097	18.0	20.2

46067 2001 DY_{99} 9 7.4 38°.80 0°.9/ 8.6 18

7 30	23 23.12	+ 1 51.5	2.245	3.044	13.8	18.7
8 9	23 20.41	+ 1 2.2	2.162	3.048	11.0	18.5
8 19	23 16.02	− 0 3.6	2.101	3.053	7.8	18.3
8 29	23 10.36	− 1 22.7	2.065	3.058	4.2	18.1
9 8	23 4.04	− 2 49.9	2.056	3.063	1.0	17.8
9 18	22 57.78	− 4 18.8	2.077	3.068	3.7	18.1
9 28	22 52.29	− 5 42.8	2.125	3.073	7.3	18.3
10 8	22 48.19	− 6 56.3	2.200	3.079	10.5	18.5

390323 2013 BB_{1} 9 7.4 260°.26 1°.0/ 5.5 16

7 30	23 20.65	− 9 38.4	4.454	5.269	7.2	21.6
8 9	23 17.58	−10 2.0	4.362	5.264	5.5	21.5
8 19	23 13.63	−10 29.2	4.295	5.259	3.7	21.3
8 29	23 9.05	−10 58.0	4.256	5.255	1.8	21.2
9 8	23 4.14	−11 26.3	4.246	5.250	1.1	21.1
9 18	22 59.24	−11 51.9	4.267	5.245	2.8	21.2
9 28	22 54.71	−12 12.8	4.316	5.240	4.7	21.4
10 8	22 50.86	−12 27.6	4.393	5.235	6.4	21.5

234317 2001 BE_{76} 9 7.4 116°.98 5°.9/13.6 17

7 30	23 30.52	+12 47.0	2.101	2.832	16.6	20.5
8 9	23 26.35	+13 13.6	2.021	2.844	14.2	20.3
8 19	23 20.16	+13 20.1	1.959	2.857	11.4	20.1
8 29	23 12.43	+13 5.1	1.920	2.868	8.5	20.0
9 8	23 3.91	+12 30.0	1.906	2.880	6.3	19.9
9 18	22 55.46	+11 38.2	1.918	2.891	6.1	19.9
9 28	22 47.98	+10 35.7	1.958	2.902	8.1	20.0
10 8	22 42.18	+ 9 29.5	2.023	2.912	10.8	20.2

22555 Joevellone 9 7.4 215°.15 2°.6/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.87	+ 4 15.0	2.056	2.839	15.4	19.5
8 9	23 25.19	+ 4 6.4	1.962	2.833	12.6	19.3
8 19	23 19.47	+ 3 40.4	1.888	2.828	9.3	19.1
8 29	23 12.15	+ 2 58.0	1.838	2.822	5.7	18.8
9 8	23 3.93	+ 2 2.7	1.814	2.816	2.8	18.6
9 18	22 55.66	+ 0 59.4	1.819	2.809	4.3	18.7
9 28	22 48.26	− 0 5.2	1.851	2.802	7.9	18.9
10 8	22 42.52	− 1 4.9	1.908	2.795	11.5	19.1

401874 2001 FN_{60} 9 7.4 162°.45 2°.6/ 4.5 18

7 30	23 31.76	−14 19.1	2.778	3.598	10.9	21.4
8 9	23 26.71	−14 40.1	2.698	3.602	8.4	21.2
8 19	23 20.08	−15 3.8	2.643	3.606	5.8	21.1
8 29	23 12.29	−15 26.6	2.615	3.610	3.3	20.9
9 8	23 3.93	−15 44.8	2.616	3.613	2.8	20.9
9 18	22 55.68	−15 55.1	2.647	3.615	5.0	21.0
9 28	22 48.22	−15 55.4	2.706	3.618	7.6	21.2
10 8	22 42.09	−15 44.8	2.791	3.620	10.1	21.4

128160 2003 QX_{100} 9 7.4 28°.98 0°.5/ 7.9 18

7 30	23 23.23	+ 1 58.8	1.540	2.365	17.9	19.7
8 9	23 21.29	+ 0 49.2	1.468	2.370	14.2	19.5
8 19	23 17.03	− 0 44.9	1.415	2.376	9.9	19.3
8 29	23 10.98	− 2 38.4	1.385	2.382	5.1	19.0
9 8	23 4.01	− 4 42.3	1.381	2.389	0.5	18.7
9 18	22 57.13	− 6 45.5	1.405	2.396	5.1	19.1
9 28	22 51.40	− 8 36.9	1.454	2.404	9.8	19.4
10 8	22 47.63	−10 8.4	1.527	2.411	13.9	19.6

515085 2010 TO_{115} 9 7.4 78°.37 5°.2/ 2.5 18

7 30	23 33.22	−20 38.0	2.158	2.996	12.9	20.9
8 9	23 28.36	−21 14.2	2.091	3.001	10.2	20.7
8 19	23 21.44	−21 49.9	2.047	3.006	7.5	20.6
8 29	23 13.02	−22 19.2	2.028	3.010	5.5	20.5
9 8	23 3.90	−22 36.6	2.037	3.015	5.6	20.5
9 18	22 54.98	−22 38.2	2.072	3.019	7.7	20.6
9 28	22 47.17	−22 22.5	2.134	3.024	10.4	20.8
10 8	22 41.14	−21 49.9	2.219	3.029	13.0	21.0

309717 2008 GS_{115} 9 7.4 232°.71 3°.7/11.8 18

7 30	23 26.21	+ 8 47.9	2.450	3.202	14.0	21.1
8 9	23 22.80	+ 8 43.3	2.348	3.194	11.7	20.9
8 19	23 17.68	+ 8 21.6	2.266	3.185	9.1	20.7
8 29	23 11.22	+ 7 42.9	2.208	3.177	6.2	20.5
9 8	23 4.01	+ 6 49.3	2.177	3.168	4.0	20.4
9 18	22 56.74	+ 5 44.8	2.173	3.158	4.3	20.4
9 28	22 50.16	+ 4 34.8	2.198	3.149	6.9	20.5
10 8	22 44.93	+ 3 25.3	2.250	3.139	9.8	20.7

108167 2001 HF_{8} 9 7.4 300°.32 1°.4/ 6.2 18

7 30	23 28.76	− 7 13.5	1.749	2.585	15.6	20.0
8 9	23 25.48	− 7 40.3	1.664	2.576	12.3	19.8
8 19	23 19.87	− 8 18.9	1.599	2.567	8.4	19.5
8 29	23 12.41	− 9 4.9	1.558	2.558	4.1	19.3
9 8	23 3.93	− 9 52.2	1.544	2.550	1.7	19.1
9 18	22 55.43	−10 34.6	1.556	2.541	5.7	19.3
9 28	22 48.00	−11 6.1	1.594	2.533	10.0	19.6
10 8	22 42.49	−11 23.0	1.655	2.524	13.8	19.8

73305 2002 JF_{73} 9 7.4 99°.96 7°.8/30.0 18

7 30	23 29.90	−23 26.0	1.814	2.670	14.3	19.1
8 9	23 26.30	−25 7.4	1.760	2.676	11.5	19.0
8 19	23 20.32	−26 48.0	1.729	2.683	9.1	18.8
8 29	23 12.56	−28 17.9	1.723	2.689	7.9	18.8
9 8	23 3.93	−29 28.2	1.743	2.696	8.7	18.9
9 18	22 55.48	−30 12.6	1.787	2.702	10.9	19.0
9 28	22 48.29	−30 28.7	1.855	2.708	13.5	19.2
10 8	22 43.13	−30 17.9	1.942	2.714	15.9	19.4

176470 2001 XF_{148} 9 7.4 70°.99 0°.3/ 7.1 18

7 30	23 26.61	− 3 44.4	2.086	2.905	14.0	20.2
8 9	23 23.29	− 4 17.3	2.006	2.907	11.0	20.0
8 19	23 18.07	− 5 2.8	1.947	2.910	7.6	19.8
8 29	23 11.41	− 5 57.2	1.914	2.912	3.7	19.6
9 8	23 4.01	− 6 55.4	1.907	2.915	0.5	19.3
9 18	22 56.67	− 7 51.7	1.929	2.917	4.4	19.6
9 28	22 50.22	− 8 40.7	1.978	2.919	8.2	19.9
10 8	22 45.33	− 9 18.1	2.051	2.922	11.5	20.1

19099 1981 EC_{4} 9 7.4 281°.52 5°.8/12.9 18

7 30	23 26.63	+11 26.7	1.828	2.587	17.8	19.2
8 9	23 23.85	+11 42.4	1.730	2.575	15.3	19.0
8 19	23 18.82	+11 35.3	1.649	2.563	12.2	18.8
8 29	23 11.94	+11 3.6	1.590	2.551	8.9	18.5
9 8	23 3.97	+10 8.7	1.555	2.539	6.2	18.4
9 18	22 55.86	+ 8 54.8	1.545	2.527	6.2	18.3
9 28	22 48.68	+ 7 29.5	1.562	2.514	9.0	18.5
10 8	22 43.31	+ 6 1.9	1.603	2.503	12.5	18.7

937 Bethgea 9 7.4 16.°66 4.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.67	+ 3 51.9	0.892	1.754	24.8	13.9
8 9	23 22.21	+ 4 21.0	0.842	1.760	20.4	13.7
8 19	23 18.36	+ 4 20.0	0.806	1.769	15.1	13.4
8 29	23 11.84	+ 3 49.1	0.788	1.779	9.4	13.2
9 8	23 3.99	+ 2 54.1	0.789	1.791	4.8	13.0
9 18	22 56.42	+ 1 45.1	0.810	1.805	6.7	13.2
9 28	22 50.75	+ 0 35.0	0.852	1.821	11.9	13.5
10 8	22 48.02	− 0 24.6	0.914	1.838	16.9	13.9

176218 2001 QT_{87} 9 7.4 72.°39 2.°1/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.28	− 8 14.9	1.474	2.318	17.6	20.0
8 9	23 28.35	− 8 51.6	1.417	2.333	13.7	19.8
8 19	23 21.79	− 9 40.2	1.379	2.349	9.2	19.6
8 29	23 13.29	−10 34.5	1.365	2.365	4.5	19.3
9 8	23 3.90	−11 26.7	1.376	2.381	2.4	19.2
9 18	22 54.82	−12 9.5	1.413	2.396	6.5	19.5
9 28	22 47.22	−12 37.6	1.476	2.412	10.9	19.8
10 8	22 41.92	−12 48.2	1.560	2.427	14.7	20.1

383077 2005 SD_{41} 9 7.4 10.°44 1.°6/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.36	− 7 47.0	1.043	1.920	20.9	20.0
8 9	23 24.75	− 7 53.8	0.988	1.922	16.4	19.8
8 19	23 19.90	− 8 15.3	0.949	1.926	11.2	19.5
8 29	23 12.54	− 8 46.0	0.930	1.932	5.4	19.2
9 8	23 3.94	− 9 17.5	0.933	1.940	1.9	19.0
9 18	22 55.63	− 9 42.0	0.958	1.949	7.2	19.4
9 28	22 49.10	− 9 52.6	1.005	1.959	12.6	19.7
10 8	22 45.37	− 9 46.0	1.072	1.971	17.3	20.0

112440 2002 OG_{3} 9 7.4 48.°05 4.°3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.11	+15 8.3	1.184	1.970	24.3	18.7
8 9	23 22.44	+13 32.0	1.131	1.997	20.2	18.5
8 19	23 17.96	+11 11.6	1.094	2.025	15.3	18.3
8 29	23 11.43	+ 8 11.8	1.077	2.054	9.8	18.1
9 8	23 4.02	+ 4 46.0	1.084	2.083	5.1	17.9
9 18	22 57.01	+ 1 13.1	1.119	2.112	5.6	18.0
9 28	22 51.59	− 2 6.5	1.180	2.142	10.1	18.4
10 8	22 48.58	− 4 57.8	1.267	2.172	14.6	18.7

375219 2008 FX_{42} 9 7.4 275.°23 0.°8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.20	− 1 5.4	1.567	2.391	17.6	21.9
8 9	23 26.29	− 1 25.3	1.471	2.372	14.2	21.6
8 19	23 20.75	− 2 4.2	1.393	2.354	10.1	21.3
8 29	23 13.00	− 2 59.7	1.338	2.335	5.3	21.0
9 8	23 3.90	− 4 6.3	1.308	2.315	0.8	20.6
9 18	22 54.58	− 5 16.3	1.304	2.296	5.4	20.9
9 28	22 46.33	− 6 20.9	1.326	2.276	10.5	21.2
10 8	22 40.23	− 7 12.8	1.370	2.256	15.1	21.4

264405 2000 GX_{1} 9 7.4 177.°17 8.°1/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 51.88	−23 15.4	1.228	2.071	20.4	19.9
8 9	23 44.78	−23 33.2	1.163	2.073	16.6	19.7
8 19	23 33.63	−23 46.4	1.116	2.074	12.4	19.5
8 29	23 19.31	−23 44.1	1.091	2.074	8.9	19.3
9 8	23 3.52	−23 16.7	1.091	2.074	8.4	19.3
9 18	22 48.31	−22 20.6	1.117	2.074	11.5	19.4
9 28	22 35.59	−20 57.7	1.166	2.073	15.7	19.7
10 8	22 26.56	−19 14.5	1.236	2.072	19.7	19.9

317778 2003 SP_{133} 9 7.4 356.°49 9.°4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.10	+12 57.7	1.362	2.142	22.0	19.2
8 9	23 24.14	+14 18.8	1.286	2.137	19.1	19.0
8 19	23 19.40	+15 15.2	1.224	2.133	15.9	18.7
8 29	23 12.35	+15 42.0	1.181	2.131	12.5	18.5
9 8	23 3.96	+15 37.3	1.159	2.129	9.9	18.4
9 18	22 55.49	+15 3.1	1.159	2.129	9.5	18.4
9 28	22 48.30	+14 6.8	1.181	2.131	11.6	18.5
10 8	22 43.51	+12 58.9	1.225	2.133	14.8	18.7

449447 2013 JM_{21} 9 7.4 28.°66 9.°0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.88	−30 19.7	2.028	2.877	13.2	20.2
8 9	23 25.34	−31 50.0	1.981	2.882	11.2	20.1
8 19	23 19.57	−33 13.4	1.957	2.889	9.6	20.0
8 29	23 12.16	−34 21.3	1.957	2.895	9.0	20.0
9 8	23 3.99	−35 6.7	1.982	2.902	9.8	20.0
9 18	22 56.05	−35 25.4	2.030	2.909	11.5	20.2
9 28	22 49.30	−35 16.5	2.100	2.916	13.5	20.3
10 8	22 44.46	−34 42.3	2.189	2.924	15.4	20.5

510166 2011 AZ_{28} 9 7.4 280.°51 2.°9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.54	− 8 9.3	1.565	2.411	16.6	21.7
8 9	23 25.85	− 9 11.2	1.468	2.387	13.1	21.4
8 19	23 20.51	−10 29.9	1.392	2.363	9.0	21.1
8 29	23 12.92	−11 59.2	1.339	2.339	4.6	20.8
9 8	23 3.93	−13 30.0	1.312	2.315	3.4	20.6
9 18	22 54.68	−14 52.0	1.312	2.290	7.6	20.8
9 28	22 46.49	−15 56.3	1.335	2.265	12.4	21.0
10 8	22 40.46	−16 37.3	1.381	2.240	16.7	21.2

282750 2006 GO_{39} 9 7.4 65.°35 5.°3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.94	−14 46.3	1.634	2.490	15.5	20.0
8 9	23 25.52	−16 17.4	1.587	2.511	12.0	19.8
8 19	23 19.74	−17 54.4	1.561	2.531	8.4	19.7
8 29	23 12.25	−19 28.2	1.561	2.551	5.6	19.6
9 8	23 4.00	−20 49.1	1.586	2.572	5.9	19.6
9 18	22 56.05	−21 50.0	1.637	2.592	8.7	19.8
9 28	22 49.43	−22 26.8	1.713	2.613	12.0	20.1
10 8	22 44.84	−22 39.0	1.810	2.633	14.9	20.3

157917 1999 UF_{8} 9 7.4 261.°56 0.°4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.42	− 4 49.1	2.591	3.399	11.9	21.0
8 9	23 23.68	− 5 14.1	2.484	3.380	9.4	20.8
8 19	23 18.27	− 5 48.9	2.400	3.360	6.5	20.6
8 29	23 11.54	− 6 30.9	2.342	3.340	3.2	20.4
9 8	23 4.05	− 7 16.1	2.313	3.320	0.5	20.1
9 18	22 56.46	− 8 0.4	2.312	3.299	3.9	20.4
9 28	22 49.51	− 8 39.3	2.341	3.278	7.3	20.6
10 8	22 43.82	− 9 9.4	2.395	3.257	10.4	20.7

278317 2007 HV_{33} 9 7.4 340.°77 1.°6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.63	− 7 42.8	1.515	2.360	17.1	20.7
8 9	23 26.48	− 8 5.7	1.439	2.356	13.5	20.4
8 19	23 20.72	− 8 40.8	1.382	2.353	9.2	20.2
8 29	23 12.89	− 9 23.4	1.349	2.349	4.5	19.9
9 8	23 3.97	−10 6.6	1.341	2.347	1.9	19.7
9 18	22 55.11	−10 43.6	1.358	2.344	6.3	20.0
9 28	22 47.53	−11 8.2	1.401	2.342	10.9	20.3
10 8	22 42.17	−11 16.9	1.465	2.340	15.0	20.5

98671 2000 WK_{165} 9 7.4 187.°26 1.°9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.00	+ 4 22.8	2.050	2.835	15.3	19.8
8 9	23 23.70	+ 3 43.5	1.960	2.835	12.5	19.6
8 19	23 18.44	+ 2 44.6	1.891	2.835	9.0	19.4
8 29	23 11.66	+ 1 28.3	1.846	2.834	5.3	19.1
9 8	23 4.05	− 0 0.3	1.828	2.832	2.0	18.9
9 18	22 56.45	− 1 34.5	1.839	2.831	4.1	19.1
9 28	22 49.72	− 3 6.4	1.878	2.829	7.9	19.3
10 8	22 44.60	− 4 29.0	1.943	2.826	11.4	19.5

121407 1999 TB_{138} 9 7.4 120.°28 0.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.63	− 6 9.1	1.949	2.770	14.8	20.2
8 9	23 27.29	− 6 30.4	1.876	2.778	11.6	20.0
8 19	23 20.84	− 7 2.1	1.824	2.787	7.9	19.8
8 29	23 12.80	− 7 40.6	1.797	2.796	3.8	19.6
9 8	23 3.99	− 8 20.6	1.797	2.804	1.0	19.4
9 18	22 55.32	− 8 57.0	1.826	2.812	4.9	19.7
9 28	22 47.72	− 9 24.9	1.881	2.820	8.7	19.9
10 8	22 41.93	− 9 41.3	1.961	2.827	12.2	20.2

223199 2003 BM_{29} 9 7.4 147.°03 1.°1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.78	+ 0 7.1	1.911	2.712	15.7	21.1
8 9	23 26.72	− 0 14.4	1.832	2.720	12.6	20.9
8 19	23 20.51	− 0 51.8	1.774	2.727	8.9	20.7
8 29	23 12.68	− 1 42.4	1.740	2.733	4.8	20.5
9 8	23 4.00	− 2 41.2	1.733	2.739	1.1	20.2
9 18	22 55.41	− 3 42.3	1.754	2.745	4.3	20.5
9 28	22 47.86	− 4 39.1	1.802	2.750	8.4	20.8
10 8	22 42.11	− 5 26.3	1.876	2.754	12.0	21.0

453482 2009 SN_{254} 9 7.4 313.°79 1.°6/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.84	+ 2 50.5	2.109	2.908	14.5	21.2
8 9	23 20.49	+ 2 19.6	2.008	2.893	11.8	20.9
8 19	23 16.29	+ 1 30.7	1.928	2.878	8.5	20.7
8 29	23 10.63	+ 0 25.8	1.873	2.863	4.9	20.5
9 8	23 4.12	− 0 50.8	1.843	2.848	1.7	20.2
9 18	22 57.53	− 2 13.1	1.842	2.834	4.0	20.4
9 28	22 51.69	− 3 34.0	1.868	2.820	7.8	20.6
10 8	22 47.32	− 4 46.8	1.919	2.807	11.3	20.8

51745 2001 KS_{58} 9 7.4 87.°16 6.°5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.47	−19 55.8	1.880	2.735	13.9	18.9
8 9	23 25.08	−21 26.2	1.819	2.738	11.0	18.8
8 19	23 19.47	−22 58.9	1.781	2.742	8.2	18.6
8 29	23 12.17	−24 25.3	1.768	2.746	6.5	18.5
9 8	23 4.03	−25 36.7	1.781	2.749	7.2	18.6
9 18	22 56.02	−26 26.7	1.820	2.753	9.5	18.7
9 28	22 49.14	−26 51.9	1.883	2.757	12.3	18.9
10 8	22 44.14	−26 52.4	1.967	2.760	15.0	19.1

38643 2000 NZ_{19} 9 7.4 254.°36 2.°4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.89	+ 1 27.2	1.550	2.360	18.4	19.7
8 9	23 28.41	+ 1 32.4	1.458	2.348	15.1	19.4
8 19	23 22.20	+ 1 18.9	1.384	2.336	11.0	19.1
8 29	23 13.74	+ 0 47.4	1.333	2.323	6.4	18.8
9 8	23 3.92	+ 0 1.7	1.306	2.310	2.5	18.6
9 18	22 53.93	− 0 52.0	1.305	2.297	5.3	18.7
9 28	22 45.10	− 1 46.0	1.330	2.283	10.1	19.0
10 8	22 38.51	− 2 32.6	1.378	2.269	14.6	19.2

259816 2004 BS_{114} 9 7.4 231°.81 4°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.35	+ 5 23.2	1.853	2.629	17.1	21.1
8 9	23 29.09	+ 5 48.7	1.755	2.619	14.2	20.9
8 19	23 22.41	+ 5 57.1	1.677	2.609	10.8	20.7
8 29	23 13.76	+ 5 47.6	1.621	2.598	7.1	20.4
9 8	23 3.93	+ 5 21.8	1.591	2.587	4.3	20.3
9 18	22 53.95	+ 4 43.5	1.588	2.575	5.4	20.3
9 28	22 44.96	+ 3 58.6	1.613	2.563	8.9	20.5
10 8	22 37.90	+ 3 13.8	1.662	2.550	12.7	20.7

24603 Mekistheus 9 7.4 273°.79 1°.4/ 4.7 18

7 30	23 21.07	−11 51.1	4.418	5.237	7.1	19.7
8 9	23 17.96	−12 16.8	4.323	5.228	5.5	19.6
8 19	23 13.94	−12 45.4	4.253	5.218	3.7	19.5
8 29	23 9.26	−13 14.8	4.211	5.208	2.0	19.3
9 8	23 4.23	−13 42.7	4.199	5.198	1.6	19.3
9 18	22 59.21	−14 7.0	4.216	5.188	3.1	19.4
9 28	22 54.56	−14 25.6	4.262	5.178	5.0	19.5
10 8	22 50.59	−14 37.3	4.335	5.169	6.7	19.7

370288 2002 QS_{109} 9 7.4 323°.30 2°.4/ 8.9 18

7 30	23 29.35	− 0 58.2	1.270	2.109	20.1	21.0
8 9	23 26.97	− 0 29.2	1.185	2.093	16.4	20.8
8 19	23 21.54	− 0 17.0	1.117	2.079	11.9	20.5
8 29	23 13.53	− 0 21.4	1.070	2.064	6.8	20.1
9 8	23 3.95	− 0 39.1	1.045	2.051	2.5	19.8
9 18	22 54.19	− 1 4.7	1.045	2.038	5.9	20.0
9 28	22 45.80	− 1 30.8	1.067	2.026	11.3	20.3
10 8	22 40.01	− 1 50.5	1.111	2.015	16.3	20.5

487327 2014 QL_{153} 9 7.4 347°.95 1°.2/ 8.1 17

7 30	23 33.06	− 4 47.0	1.763	2.584	16.1	20.6
8 9	23 28.83	− 4 6.6	1.676	2.575	12.9	20.3
8 19	23 22.17	− 3 34.6	1.609	2.568	9.1	20.1
8 29	23 13.60	− 3 9.9	1.566	2.562	4.8	19.8
9 8	23 3.96	− 2 50.5	1.549	2.556	1.2	19.6
9 18	22 54.34	− 2 33.8	1.560	2.551	4.7	19.8
9 28	22 45.83	− 2 16.6	1.597	2.547	9.0	20.1
10 8	22 39.34	− 1 56.2	1.659	2.544	12.9	20.3

169506 2002 CE_{245} 9 7.4 293°.75 4°.9/10.6 18

7 30	23 30.91	+ 4 43.5	1.375	2.183	20.4	19.8
8 9	23 28.03	+ 5 22.0	1.285	2.170	17.1	19.5
8 19	23 22.20	+ 5 40.2	1.213	2.156	13.0	19.3
8 29	23 13.84	+ 5 36.2	1.161	2.143	8.6	19.0
9 8	23 3.94	+ 5 11.2	1.132	2.130	5.1	18.7
9 18	22 53.80	+ 4 29.9	1.127	2.117	6.5	18.8
9 28	22 44.93	+ 3 40.1	1.147	2.104	10.9	19.0
10 8	22 38.54	+ 2 50.8	1.188	2.091	15.5	19.2

42243 2001 FB_{65} 9 7.4 316°.47 0°.7/ 8.4 18

7 30	23 22.68	+ 2 36.7	2.206	3.003	14.0	18.9
8 9	23 20.22	+ 1 28.4	2.111	2.997	11.2	18.7
8 19	23 16.02	+ 0 0.8	2.039	2.991	7.9	18.5
8 29	23 10.46	− 1 42.7	1.992	2.986	4.2	18.2
9 8	23 4.17	− 3 36.1	1.973	2.980	0.7	18.0
9 18	22 57.85	− 5 31.5	1.984	2.975	3.9	18.2
9 28	22 52.27	− 7 20.9	2.023	2.969	7.7	18.4
10 8	22 48.10	− 8 57.4	2.089	2.964	11.1	18.7

119240 2001 QF_{278} 9 7.4 349°.42 15°.4/26.1 18

7 30	23 21.07	−30 52.8	0.928	1.833	20.3	17.8
8 9	23 21.67	−32 49.0	0.881	1.817	17.7	17.5
8 19	23 18.43	−34 35.3	0.850	1.803	15.8	17.4
8 29	23 12.07	−35 53.6	0.836	1.791	15.4	17.3
9 8	23 4.08	−36 28.7	0.841	1.782	16.8	17.4
9 18	22 56.34	−36 12.4	0.861	1.776	19.4	17.5
9 28	22 50.74	−35 5.0	0.898	1.772	22.4	17.7
10 8	22 48.44	−33 14.3	0.948	1.770	25.3	17.9

219944 2002 GZ_{148} 9 7.4 47°.42 3°.1/ 4.4 18

7 30	23 28.50	−12 36.5	1.982	2.824	13.8	19.6
8 9	23 24.80	−13 16.7	1.919	2.835	10.7	19.5
8 19	23 19.10	−14 2.8	1.878	2.847	7.2	19.3
8 29	23 11.94	−14 49.4	1.863	2.860	4.0	19.1
9 8	23 4.11	−15 30.4	1.875	2.872	3.4	19.1
9 18	22 56.47	−16 1.0	1.913	2.885	6.2	19.3
9 28	22 49.89	−16 17.4	1.978	2.898	9.5	19.5
10 8	22 45.01	−16 18.3	2.067	2.912	12.5	19.7

401701 2013 HA_{36} 9 7.4 141°.00 2°.4/ 4.7 18

7 30	23 31.48	−13 7.6	2.684	3.504	11.2	21.8
8 9	23 26.56	−13 32.1	2.610	3.514	8.7	21.6
8 19	23 20.03	−14 0.3	2.559	3.522	5.9	21.4
8 29	23 12.34	−14 28.3	2.535	3.531	3.2	21.3
9 8	23 4.09	−14 52.2	2.540	3.539	2.6	21.2
9 18	22 55.98	−15 8.7	2.575	3.546	4.9	21.4
9 28	22 48.67	−15 15.3	2.638	3.554	7.6	21.6
10 8	22 42.73	−15 10.7	2.727	3.560	10.2	21.8

237861 2002 GF_{133} 9 7.4 100°.07 0°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.65	− 1 50.4	3.253	4.046	10.0	21.2
8 9	23 20.23	− 2 11.4	3.170	4.055	7.9	21.1
8 19	23 15.62	− 2 40.8	3.111	4.064	5.5	21.0
8 29	23 10.14	− 3 16.7	3.079	4.073	2.9	20.8
9 8	23 4.23	− 3 56.3	3.076	4.083	0.5	20.6
9 18	22 58.38	− 4 36.4	3.102	4.092	2.8	20.8
9 28	22 53.07	− 5 13.9	3.157	4.101	5.4	21.0
10 8	22 48.73	− 5 45.9	3.240	4.110	7.7	21.2

157212 2004 RQ_{28} 9 7.4 337°.67 0°.1/ 7.3 18

7 30	23 26.91	− 4 56.0	1.808	2.639	15.3	20.4
8 9	23 23.96	− 5 3.4	1.722	2.629	12.2	20.2
8 19	23 18.82	− 5 22.6	1.655	2.620	8.4	20.0
8 29	23 11.94	− 5 50.7	1.613	2.612	4.2	19.7
9 8	23 4.11	− 6 23.1	1.596	2.604	0.4	19.4
9 18	22 56.27	− 6 54.6	1.607	2.596	4.8	19.7
9 28	22 49.41	− 7 19.9	1.643	2.590	9.1	20.0
10 8	22 44.36	− 7 34.8	1.702	2.584	12.9	20.2

236920 2007 TO_{145} 9 7.4 17°.33 1°.5/ 8.6 17

7 30	23 22.16	+ 0 44.1	1.200	2.050	20.4	19.7
8 9	23 21.00	+ 0 24.3	1.144	2.059	16.3	19.4
8 19	23 17.12	− 0 19.2	1.104	2.069	11.5	19.2
8 29	23 11.15	− 1 22.6	1.085	2.082	6.2	19.0
9 8	23 4.17	− 2 37.9	1.089	2.095	1.5	18.7
9 18	22 57.41	− 3 55.4	1.116	2.110	5.4	19.0
9 28	22 52.10	− 5 4.9	1.167	2.127	10.5	19.3
10 8	22 49.12	− 5 58.7	1.239	2.144	14.9	19.7

320220 2007 HE_{60} 9 7.4 74°.16 1°.0/ 6.2 18

7 30	23 26.72	− 6 51.1	2.337	3.159	12.6	21.5
8 9	23 23.16	− 7 22.3	2.260	3.164	9.8	21.3
8 19	23 17.88	− 8 2.4	2.204	3.169	6.6	21.1
8 29	23 11.34	− 8 47.8	2.175	3.174	3.2	20.9
9 8	23 4.16	− 9 33.9	2.173	3.179	1.2	20.8
9 18	22 57.06	−10 16.0	2.200	3.184	4.4	21.0
9 28	22 50.77	−10 49.9	2.255	3.189	7.7	21.2
10 8	22 45.89	−11 12.7	2.334	3.194	10.7	21.4

215821 2004 XO_{157} 9 7.4 235°.36 4°.8/ 3.3 17

7 30	23 31.95	−13 24.1	1.558	2.409	16.4	20.8
8 9	23 28.40	−14 32.8	1.480	2.402	12.9	20.5
8 19	23 22.13	−15 51.6	1.424	2.394	9.0	20.3
8 29	23 13.68	−17 12.3	1.391	2.385	5.5	20.1
9 8	23 4.01	−18 24.9	1.383	2.377	5.4	20.0
9 18	22 54.34	−19 20.8	1.402	2.367	8.8	20.2
9 28	22 45.96	−19 53.7	1.445	2.358	12.8	20.4
10 8	22 39.88	−20 1.9	1.509	2.348	16.6	20.6

40803 1999 TX_{39} 9 7.4 67°.61 8°.2/31.0 18

7 30	23 32.73	−24 13.2	1.655	2.511	15.4	17.9
8 9	23 28.61	−25 38.1	1.611	2.527	12.4	17.8
8 19	23 21.92	−26 59.7	1.589	2.542	9.7	17.7
8 29	23 13.38	−28 8.4	1.591	2.558	8.2	17.6
9 8	23 4.04	−28 55.5	1.618	2.575	8.9	17.7
9 18	22 55.08	−29 16.1	1.669	2.591	11.1	17.9
9 28	22 47.61	−29 8.8	1.743	2.607	13.7	18.1
10 8	22 42.39	−28 36.3	1.837	2.623	16.2	18.3

211032 2002 AK_{159} 9 7.4 349°.51 2°.4/ 5.6 18

7 30	23 16.42	− 4 59.9	0.890	1.785	21.9	18.8
8 9	23 17.51	− 5 55.6	0.827	1.774	17.3	18.4
8 19	23 15.37	− 7 18.4	0.780	1.764	11.8	18.1
8 29	23 10.55	− 9 0.4	0.752	1.755	5.7	17.8
9 8	23 4.21	−10 48.0	0.744	1.749	3.0	17.6
9 18	22 57.87	−12 25.2	0.756	1.745	8.7	17.9
9 28	22 53.21	−13 38.1	0.787	1.743	14.8	18.2
10 8	22 51.43	−14 18.9	0.836	1.743	20.0	18.5

12959 3086 $T\text{-}_2$ 9 7.4 355°.24 2°.9/ 5.0 18

7 30	23 28.76	−10 20.5	1.589	2.439	16.2	18.4
8 9	23 25.66	−10 59.4	1.516	2.437	12.7	18.2
8 19	23 20.09	−11 48.5	1.464	2.436	8.6	18.0
8 29	23 12.59	−12 41.8	1.436	2.435	4.5	17.7
9 8	23 4.09	−13 31.7	1.432	2.434	3.2	17.6
9 18	22 55.69	−14 11.4	1.455	2.434	6.9	17.9
9 28	22 48.52	−14 35.3	1.502	2.434	11.1	18.1
10 8	22 43.45	−14 40.8	1.572	2.435	14.8	18.3

20952 Tydeus 9 7.4 309°.16 1°.4/ 9.9 18

7 30	23 21.61	+ 2 6.6	4.163	4.930	8.4	18.7
8 9	23 18.43	+ 2 6.3	4.061	4.924	6.8	18.6
8 19	23 14.31	+ 1 58.4	3.982	4.919	5.0	18.5
8 29	23 9.49	+ 1 43.9	3.930	4.913	3.0	18.3
9 8	23 4.30	+ 1 24.2	3.906	4.907	1.5	18.2
9 18	22 59.10	+ 1 1.3	3.912	4.902	2.3	18.3
9 28	22 54.28	+ 0 37.3	3.948	4.896	4.2	18.4
10 8	22 50.18	+ 0 14.5	4.012	4.891	6.1	18.5

44320 1998 RJ_{31} 9 7.4 178.°77 2.°1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.94	+ 0 51.3	2.205	2.989	14.4	18.7
8 9	23 28.19	+ 1 4.6	2.115	2.990	11.7	18.5
8 19	23 21.44	+ 1 5.6	2.047	2.991	8.5	18.3
8 29	23 13.17	+ 0 55.2	2.004	2.991	4.9	18.1
9 8	23 4.07	+ 0 35.8	1.988	2.991	2.1	17.9
9 18	22 54.98	+ 0 11.1	2.001	2.991	4.0	18.1
9 28	22 46.80	− 0 14.7	2.042	2.990	7.5	18.3
10 8	22 40.24	− 0 37.3	2.110	2.989	10.8	18.5

346642 2008 XQ_{14} 9 7.4 353.°64 1.°6/ 6.2 18

7 30	23 27.90	− 7 38.6	1.402	2.256	17.8	20.4
8 9	23 25.33	− 7 58.8	1.330	2.252	14.0	20.2
8 19	23 20.05	− 8 31.9	1.277	2.249	9.5	19.9
8 29	23 12.64	− 9 13.1	1.245	2.246	4.7	19.6
9 8	23 4.10	− 9 55.0	1.238	2.244	1.9	19.5
9 18	22 55.64	−10 30.6	1.256	2.243	6.4	19.7
9 28	22 48.52	−10 53.6	1.299	2.243	11.2	20.0
10 8	22 43.72	−11 0.1	1.362	2.244	15.4	20.3

510742 2012 WN_{20} 9 7.4 298.°87 2.°3/ 9.5 18

7 30	23 28.97	+ 1 47.0	1.813	2.616	16.4	21.8
8 9	23 25.58	+ 1 50.8	1.726	2.611	13.4	21.5
8 19	23 19.94	+ 1 38.1	1.658	2.607	9.7	21.3
8 29	23 12.52	+ 1 10.2	1.614	2.603	5.7	21.1
9 8	23 4.12	+ 0 30.4	1.595	2.599	2.4	20.9
9 18	22 55.70	− 0 16.1	1.603	2.595	4.6	21.0
9 28	22 48.29	− 1 3.0	1.638	2.591	8.6	21.2
10 8	22 42.72	− 1 44.3	1.697	2.587	12.4	21.5

521469 2015 OH_{92} 9 7.4 227.°18 5.°6/13.8 16

7 30	23 26.44	+13 8.7	2.168	2.903	16.1	22.2
8 9	23 23.26	+13 21.9	2.075	2.901	13.8	22.0
8 19	23 18.17	+13 14.5	2.001	2.900	11.1	21.8
8 29	23 11.58	+12 45.3	1.949	2.899	8.3	21.6
9 8	23 4.18	+11 55.8	1.921	2.897	6.1	21.5
9 18	22 56.74	+10 49.8	1.920	2.896	5.8	21.5
9 28	22 50.13	+ 9 33.2	1.947	2.894	7.8	21.6
10 8	22 45.06	+ 8 13.6	1.998	2.893	10.6	21.8

254427 2004 XY_{14} 9 7.4 219.°81 6.°2/15.2 18

7 30	23 26.79	+16 25.8	2.614	3.311	14.4	20.4
8 9	23 23.23	+16 55.6	2.516	3.308	12.6	20.2
8 19	23 17.99	+17 7.7	2.436	3.306	10.5	20.1
8 29	23 11.46	+17 0.2	2.379	3.303	8.3	20.0
9 8	23 4.20	+16 33.6	2.346	3.301	6.6	19.8
9 18	22 56.89	+15 49.9	2.340	3.298	6.3	19.8
9 28	22 50.25	+14 53.1	2.361	3.295	7.5	19.9
10 8	22 44.92	+13 49.2	2.408	3.292	9.5	20.0

420336 2012 BR_{12} 9 7.4 88.°90 4.°3/ 3.9 17

7 30	23 34.18	−12 20.8	1.471	2.320	17.3	20.8
8 9	23 29.84	−13 27.1	1.421	2.341	13.4	20.6
8 19	23 22.83	−14 42.0	1.392	2.362	9.1	20.4
8 29	23 13.87	−15 56.7	1.386	2.382	5.2	20.2
9 8	23 4.06	−17 1.9	1.406	2.402	4.7	20.2
9 18	22 54.64	−17 50.0	1.453	2.422	8.1	20.5
9 28	22 46.79	−18 16.6	1.523	2.441	12.0	20.8
10 8	22 41.31	−18 20.9	1.616	2.460	15.4	21.0

432788 2011 FN_{104} 9 7.4 32.°12 5.°7/ 3.4 16

7 30	23 29.41	−15 6.3	1.182	2.058	18.9	20.3
8 9	23 26.69	−16 6.1	1.140	2.074	14.7	20.1
8 19	23 20.94	−17 12.2	1.117	2.092	10.2	19.9
8 29	23 12.99	−18 14.3	1.115	2.110	6.5	19.8
9 8	23 4.11	−19 2.4	1.136	2.129	6.3	19.8
9 18	22 55.71	−19 28.9	1.181	2.149	9.6	20.1
9 28	22 49.09	−19 30.6	1.248	2.170	13.6	20.3
10 8	22 45.07	−19 8.1	1.334	2.192	17.2	20.6

495037 2010 VC_{225} 9 7.4 258.°27 0.°2/ 7.8 17

7 30	23 19.34	− 2 37.1	4.491	5.283	7.5	21.6
8 9	23 16.62	− 3 5.0	4.395	5.280	5.9	21.5
8 19	23 13.05	− 3 39.1	4.322	5.276	4.1	21.4
8 29	23 8.87	− 4 17.8	4.277	5.273	2.1	21.2
9 8	23 4.37	− 4 59.1	4.262	5.269	0.2	21.0
9 18	22 59.87	− 5 40.5	4.277	5.266	2.1	21.2
9 28	22 55.71	− 6 19.7	4.322	5.262	4.1	21.4
10 8	22 52.20	− 6 54.7	4.394	5.259	6.0	21.5

250027 2002 CQ_{37} 9 7.4 231.°43 2.°0/ 8.9 18

7 30	23 33.83	+ 0 3.8	1.580	2.391	18.1	20.7
8 9	23 29.83	+ 0 13.4	1.493	2.384	14.7	20.5
8 19	23 23.12	+ 0 6.4	1.424	2.377	10.6	20.2
8 29	23 14.21	− 0 16.0	1.378	2.370	6.0	19.9
9 8	23 4.03	− 0 50.1	1.357	2.362	2.1	19.7
9 18	22 53.77	− 1 30.3	1.363	2.354	5.2	19.9
9 28	22 44.72	− 2 9.8	1.394	2.346	9.9	20.1
10 8	22 37.92	− 2 42.2	1.449	2.337	14.3	20.4

342597 2008 UQ_{303} 9 7.4 252.°13 1.°9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.68	− 8 54.5	1.946	2.776	14.4	21.6
8 9	23 26.82	− 9 26.1	1.856	2.766	11.3	21.4
8 19	23 20.74	−10 7.5	1.788	2.755	7.7	21.1
8 29	23 12.92	−10 54.1	1.745	2.744	3.9	20.9
9 8	23 4.12	−11 40.1	1.728	2.732	2.2	20.7
9 18	22 55.28	−12 19.6	1.740	2.721	5.7	20.9
9 28	22 47.41	−12 47.6	1.778	2.709	9.7	21.1
10 8	22 41.33	−13 0.9	1.839	2.697	13.2	21.3

373179 2012 DQ_{43} 9 7.4 44.°06 2.°3/ 5.5 17

7 30	23 27.73	− 6 0.3	1.313	2.168	18.7	20.6
8 9	23 25.30	− 7 4.8	1.249	2.172	14.6	20.4
8 19	23 20.07	− 8 27.7	1.204	2.177	9.9	20.1
8 29	23 12.67	−10 1.5	1.182	2.182	4.8	19.9
9 8	23 4.14	−11 35.4	1.183	2.188	2.7	19.8
9 18	22 55.77	−12 58.6	1.210	2.194	7.3	20.1
9 28	22 48.86	−14 2.3	1.261	2.200	12.1	20.3
10 8	22 44.34	−14 41.9	1.333	2.206	16.3	20.6

6482 Steiermark 9 7.4 199.°40 0.°0/ 7.4 18

7 30	23 26.67	− 3 38.7	2.760	3.562	11.4	19.2
8 9	23 22.90	− 4 4.2	2.668	3.559	9.0	19.0
8 19	23 17.63	− 4 39.0	2.599	3.556	6.2	18.8
8 29	23 11.23	− 5 20.8	2.556	3.553	3.1	18.6
9 8	23 4.24	− 6 5.9	2.542	3.550	0.2	18.3
9 18	22 57.25	− 6 50.5	2.558	3.546	3.5	18.6
9 28	22 50.90	− 7 30.4	2.602	3.542	6.6	18.8
10 8	22 45.74	− 8 2.6	2.673	3.537	9.3	19.0

323552 Trudybell 9 7.4 267.°43 2.°7/10.8 18

7 30	23 23.97	+ 6 54.2	2.368	3.137	14.0	21.2
8 9	23 21.13	+ 6 23.3	2.269	3.130	11.5	21.0
8 19	23 16.62	+ 5 34.1	2.191	3.123	8.6	20.8
8 29	23 10.80	+ 4 27.7	2.137	3.116	5.5	20.6
9 8	23 4.26	+ 3 7.8	2.110	3.109	2.9	20.4
9 18	22 57.69	+ 1 39.8	2.112	3.102	3.8	20.4
9 28	22 51.81	+ 0 10.2	2.142	3.095	6.9	20.6
10 8	22 47.27	− 1 14.4	2.199	3.088	10.0	20.8

513234 2005 WC_{56} 9 7.4 311.°76 4.°1/ 4.2 18

7 30	23 27.97	−11 48.3	1.425	2.286	17.1	21.6
8 9	23 25.59	−12 37.5	1.341	2.268	13.5	21.3
8 19	23 20.43	−13 38.5	1.277	2.251	9.3	21.0
8 29	23 12.96	−14 44.2	1.235	2.234	5.3	20.7
9 8	23 4.13	−15 45.3	1.218	2.217	4.6	20.7
9 18	22 55.20	−16 32.7	1.226	2.201	8.4	20.8
9 28	22 47.52	−16 59.6	1.256	2.185	13.0	21.1
10 8	22 42.20	−17 2.8	1.308	2.170	17.2	21.3

340364 2006 DS_{124} 9 7.4 352.°52 0.°6/ 7.9 18

7 30	23 29.90	− 3 23.7	1.539	2.371	17.5	20.3
8 9	23 26.67	− 3 22.4	1.461	2.368	14.0	20.1
8 19	23 20.88	− 3 35.5	1.403	2.366	9.8	19.8
8 29	23 13.05	− 4 0.3	1.367	2.364	5.0	19.6
9 8	23 4.14	− 4 32.0	1.356	2.363	0.6	19.2
9 18	22 55.27	− 5 4.6	1.371	2.362	5.2	19.6
9 28	22 47.65	− 5 32.0	1.411	2.362	9.9	19.9
10 8	22 42.19	− 5 49.3	1.474	2.362	14.1	20.1

333357 2001 VV_{87} 9 7.4 300.°52 5.°7/ 1.7 18

7 30	23 24.99	−12 48.6	1.495	2.360	16.3	19.8
8 9	23 23.22	−14 33.6	1.407	2.337	12.8	19.5
8 19	23 18.81	−16 34.6	1.341	2.314	9.0	19.3
8 29	23 12.18	−18 41.8	1.298	2.291	6.0	19.0
9 8	23 4.19	−20 42.8	1.281	2.269	6.6	19.0
9 18	22 55.97	−22 24.9	1.288	2.246	10.3	19.2
9 28	22 48.86	−23 38.8	1.320	2.224	14.5	19.4
10 8	22 43.95	−24 20.4	1.370	2.202	18.3	19.5

221726 2007 EY_{51} 9 7.4 149.°59 0.°9/ 8.5 18

7 30	23 28.04	− 0 56.5	2.578	3.370	12.4	20.8
8 9	23 24.04	− 1 7.7	2.492	3.375	9.9	20.7
8 19	23 18.43	− 1 29.8	2.429	3.379	6.9	20.5
8 29	23 11.64	− 2 0.7	2.391	3.384	3.7	20.3
9 8	23 4.24	− 2 37.3	2.381	3.388	0.9	20.1
9 18	22 56.89	− 3 15.8	2.401	3.392	3.4	20.3
9 28	22 50.26	− 3 52.2	2.449	3.395	6.6	20.5
10 8	22 44.93	− 4 22.7	2.524	3.399	9.5	20.7

395021 2009 CA_{23} 9 7.4 19.°02 2.°6/ 9.8 18

7 30	23 29.29	+ 2 34.6	1.882	2.678	16.1	21.4
8 9	23 25.71	+ 2 42.1	1.798	2.678	13.2	21.2
8 19	23 19.96	+ 2 33.3	1.734	2.679	9.6	21.0
8 29	23 12.53	+ 2 9.2	1.693	2.679	5.8	20.7
9 8	23 4.19	+ 1 33.2	1.677	2.680	2.7	20.6
9 18	22 55.87	+ 0 49.8	1.689	2.680	4.5	20.7
9 28	22 48.54	+ 0 5.0	1.728	2.681	8.2	20.9
10 8	22 43.01	− 0 35.4	1.792	2.682	11.9	21.1

85414 1996 VN_{17} 9 7.4 340.°93 0.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.49	− 2 3.3	1.877	2.697	15.3	20.0
8 9	23 23.52	− 2 23.2	1.794	2.694	12.2	19.8
8 19	23 18.47	− 2 57.7	1.730	2.690	8.5	19.5
8 29	23 11.79	− 3 43.9	1.691	2.687	4.4	19.3
9 8	23 4.23	− 4 36.9	1.677	2.685	0.5	19.0
9 18	22 56.69	− 5 30.6	1.691	2.682	4.5	19.3
9 28	22 50.10	− 6 19.0	1.732	2.680	8.6	19.5
10 8	22 45.24	− 6 57.0	1.796	2.678	12.3	19.7

382995 2005 GO_{10} 9 7.4 131.°66 0.°7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.57	− 5 7.5	2.277	3.089	13.2	21.8
8 9	23 25.40	− 5 44.8	2.203	3.101	10.3	21.6
8 19	23 19.43	− 6 32.6	2.151	3.113	7.0	21.4
8 29	23 12.15	− 7 27.1	2.125	3.124	3.4	21.2
9 8	23 4.22	− 8 23.2	2.128	3.135	0.9	21.1
9 18	22 56.41	− 9 15.8	2.159	3.145	4.3	21.3
9 28	22 49.47	−10 0.2	2.219	3.155	7.8	21.6
10 8	22 44.05	−10 33.1	2.304	3.164	10.8	21.8

448390 2009 QJ_{16} 9 7.4 328.°21 1.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.18	− 8 11.3	2.113	2.940	13.6	20.8
8 9	23 25.38	− 8 22.8	2.028	2.934	10.7	20.6
8 19	23 19.60	− 8 42.2	1.963	2.929	7.3	20.4
8 29	23 12.32	− 9 6.2	1.924	2.924	3.5	20.2
9 8	23 4.23	− 9 30.6	1.913	2.919	1.3	20.0
9 18	22 56.17	− 9 51.0	1.929	2.914	4.8	20.3
9 28	22 49.01	−10 3.5	1.972	2.910	8.5	20.5
10 8	22 43.46	−10 5.5	2.040	2.905	11.8	20.7

238158 2003 SV_{72} 9 7.4 67.°64 0.°6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.95	− 5 57.6	1.674	2.501	16.5	21.0
8 9	23 28.61	− 6 7.7	1.611	2.517	13.0	20.8
8 19	23 21.90	− 6 29.2	1.569	2.533	8.8	20.6
8 29	23 13.44	− 6 58.3	1.551	2.549	4.3	20.4
9 8	23 4.18	− 7 29.4	1.558	2.566	0.7	20.1
9 18	22 55.17	− 7 57.2	1.593	2.582	5.1	20.5
9 28	22 47.47	− 8 16.9	1.655	2.598	9.4	20.8
10 8	22 41.85	− 8 25.4	1.740	2.614	13.0	21.1

423879 2006 RS_{76} 9 7.4 48.°05 2.°6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.86	− 9 54.1	1.266	2.121	19.2	21.2
8 9	23 30.12	−10 14.5	1.209	2.132	15.0	21.0
8 19	23 23.34	−10 45.7	1.171	2.143	10.2	20.8
8 29	23 14.27	−11 21.5	1.154	2.154	5.1	20.5
9 8	23 4.13	−11 53.8	1.162	2.166	2.9	20.4
9 18	22 54.34	−12 15.7	1.195	2.179	7.2	20.7
9 28	22 46.28	−12 22.3	1.251	2.192	12.0	21.0
10 8	22 40.88	−12 11.6	1.329	2.204	16.2	21.3

436177 2009 WA_{10} 9 7.4 327.°22 13.°1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.32	−29 36.4	1.247	2.127	17.9	20.1
8 9	23 25.85	−31 42.2	1.188	2.109	15.4	19.8
8 19	23 21.01	−33 43.8	1.148	2.092	13.5	19.7
8 29	23 13.37	−35 25.7	1.128	2.076	13.1	19.6
9 8	23 4.17	−36 33.6	1.129	2.060	14.5	19.7
9 18	22 55.00	−36 58.3	1.150	2.045	17.1	19.8
9 28	22 47.58	−36 37.7	1.188	2.032	20.1	19.9
10 8	22 43.10	−35 36.1	1.242	2.019	22.9	20.1

485201 2010 US_{25} 9 7.4 239.°82 4.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.36	−19 17.4	2.549	3.384	11.3	21.6
8 9	23 26.02	−20 2.8	2.465	3.374	8.9	21.4
8 19	23 19.90	−20 49.5	2.405	3.365	6.5	21.2
8 29	23 12.42	−21 32.3	2.372	3.355	4.7	21.1
9 8	23 4.24	−22 6.0	2.366	3.344	4.9	21.1
9 18	22 56.08	−22 26.6	2.388	3.334	6.9	21.2
9 28	22 48.73	−22 31.3	2.437	3.323	9.4	21.4
10 8	22 42.81	−22 19.7	2.509	3.312	11.8	21.5

163928 2003 SY_{304} 9 7.4 94.°47 2.°2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.99	+ 2 17.1	1.860	2.659	16.2	19.9
8 9	23 25.47	+ 2 13.1	1.779	2.662	13.2	19.7
8 19	23 19.80	+ 1 52.1	1.718	2.666	9.5	19.5
8 29	23 12.46	+ 1 15.7	1.681	2.669	5.6	19.3
9 8	23 4.24	+ 0 27.9	1.669	2.673	2.3	19.1
9 18	22 56.07	− 0 26.0	1.684	2.676	4.4	19.3
9 28	22 48.92	− 1 19.4	1.727	2.680	8.3	19.5
10 8	22 43.57	− 2 6.4	1.794	2.683	11.9	19.7

278798 2008 SE_{229} 9 7.5 51.°97 2.°4/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.59	+ 1 27.3	1.501	2.316	18.7	20.6
8 9	23 27.10	+ 1 34.1	1.436	2.329	15.1	20.4
8 19	23 21.07	+ 1 22.1	1.390	2.342	10.9	20.1
8 29	23 13.11	+ 0 53.1	1.366	2.356	6.3	19.9
9 8	23 4.21	+ 0 11.7	1.366	2.370	2.5	19.7
9 18	22 55.51	− 0 35.8	1.392	2.385	5.0	19.9
9 28	22 48.17	− 1 22.2	1.444	2.399	9.3	20.2
10 8	22 43.03	− 2 1.0	1.519	2.414	13.3	20.5

307793 2003 WW_{116} 9 7.5 262.°59 6.°3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.09	+12 37.4	2.068	2.804	16.7	20.6
8 9	23 25.60	+13 12.0	1.967	2.793	14.4	20.4
8 19	23 19.98	+13 27.1	1.883	2.781	11.7	20.2
8 29	23 12.64	+13 20.6	1.821	2.770	8.9	20.0
9 8	23 4.26	+12 52.6	1.784	2.758	6.7	19.9
9 18	22 55.72	+12 5.7	1.773	2.745	6.6	19.8
9 28	22 48.00	+11 5.3	1.788	2.733	8.7	19.9
10 8	22 41.95	+ 9 58.8	1.829	2.721	11.6	20.1

380129 1998 HB_{7} 9 7.5 194.°63 12.°1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 45.64	−45 13.3	2.335	3.116	13.8	21.4
8 9	23 38.74	−46 41.1	2.292	3.114	12.7	21.3
8 19	23 28.94	−47 53.2	2.270	3.111	12.1	21.3
8 29	23 16.97	−48 40.3	2.269	3.107	12.2	21.3
9 8	23 4.03	−48 56.0	2.291	3.103	12.8	21.3
9 18	22 51.51	−48 37.8	2.335	3.098	14.0	21.4
9 28	22 40.70	−47 47.2	2.398	3.093	15.2	21.5
10 8	22 32.50	−46 29.2	2.477	3.087	16.5	21.6

254358 2004 TJ_{64} 9 7.5 235.°68 0.°9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.23	− 6 36.1	2.559	3.374	11.8	21.2
8 9	23 23.53	− 7 6.2	2.466	3.367	9.3	21.0
8 19	23 18.19	− 7 45.1	2.396	3.359	6.3	20.8
8 29	23 11.61	− 8 29.5	2.352	3.350	3.1	20.6
9 8	23 4.34	− 9 15.3	2.336	3.342	1.1	20.4
9 18	22 57.05	− 9 58.0	2.349	3.333	4.2	20.6
9 28	22 50.46	−10 33.6	2.391	3.325	7.4	20.8
10 8	22 45.16	−10 59.0	2.458	3.316	10.3	21.0

107597 2001 DL_{104} 9 7.5 118.°99 1.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.47	− 4 2.9	1.554	2.388	17.3	20.4
8 9	23 26.26	− 4 58.8	1.484	2.394	13.6	20.1
8 19	23 20.55	− 6 12.2	1.434	2.401	9.2	19.9
8 29	23 12.91	− 7 37.2	1.407	2.407	4.4	19.6
9 8	23 4.28	− 9 5.4	1.406	2.413	1.4	19.4
9 18	22 55.77	−10 27.6	1.432	2.418	5.9	19.8
9 28	22 48.51	−11 35.5	1.484	2.424	10.5	20.0
10 8	22 43.38	−12 24.2	1.559	2.429	14.5	20.3

50941 2000 GL_{71} 9 7.5 246.°68 0.°2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.48	− 2 20.0	2.311	3.115	13.3	20.3
8 9	23 24.79	− 2 48.7	2.208	3.099	10.6	20.0
8 19	23 19.24	− 3 30.3	2.127	3.083	7.4	19.8
8 29	23 12.21	− 4 22.2	2.071	3.067	3.8	19.6
9 8	23 4.32	− 5 20.1	2.042	3.050	0.2	19.2
9 18	22 56.32	− 6 18.7	2.043	3.033	4.1	19.5
9 28	22 49.04	− 7 12.5	2.072	3.015	7.8	19.7
10 8	22 43.20	− 7 56.9	2.127	2.996	11.2	19.9

511051 2013 RU_{95} 9 7.5 345.°63 0.°5/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.80	− 1 28.7	1.238	2.090	19.8	21.2
8 9	23 22.50	− 2 23.9	1.165	2.085	15.7	20.9
8 19	23 18.38	− 3 44.4	1.110	2.081	10.9	20.6
8 29	23 11.99	− 5 24.5	1.077	2.077	5.3	20.3
9 8	23 4.33	− 7 14.1	1.067	2.074	0.8	20.0
9 18	22 56.67	− 9 0.8	1.081	2.072	6.5	20.3
9 28	22 50.39	−10 32.3	1.119	2.070	11.9	20.6
10 8	22 46.52	−11 40.4	1.178	2.069	16.7	20.9

184966 2005 WM_{180} 9 7.5 103.°44 6.°0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.70	−21 50.3	2.243	3.089	12.2	19.9
8 9	23 24.95	−23 2.2	2.180	3.093	9.8	19.8
8 19	23 19.26	−24 14.2	2.140	3.096	7.4	19.6
8 29	23 12.15	−25 19.2	2.126	3.099	6.0	19.6
9 8	23 4.33	−26 10.8	2.138	3.102	6.5	19.6
9 18	22 56.62	−26 44.2	2.177	3.105	8.5	19.7
9 28	22 49.87	−26 56.8	2.241	3.108	10.9	19.9
10 8	22 44.74	−26 48.8	2.327	3.111	13.2	20.1

309004 2006 UR_{57} 9 7.5 351.°07 1.°9/ 5.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.75	− 8 22.2	1.806	2.645	15.0	21.8
8 9	23 24.61	− 8 55.5	1.729	2.643	11.8	21.6
8 19	23 19.27	− 9 39.4	1.672	2.641	8.0	21.4
8 29	23 12.24	−10 29.0	1.640	2.640	3.9	21.1
9 8	23 4.32	−11 18.1	1.634	2.638	2.1	21.0
9 18	22 56.46	−12 0.5	1.655	2.637	5.8	21.3
9 28	22 49.64	−12 30.8	1.701	2.637	9.7	21.5
10 8	22 44.66	−12 46.1	1.771	2.636	13.3	21.7

49240 1998 SF_{164} 9 7.5 308.°87 6.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.31	−21 30.2	1.821	2.671	14.4	18.6
8 9	23 28.28	−22 28.7	1.752	2.668	11.6	18.5
8 19	23 21.82	−23 27.4	1.705	2.664	8.7	18.3
8 29	23 13.50	−24 18.6	1.682	2.660	6.8	18.2
9 8	23 4.25	−24 54.3	1.685	2.657	7.2	18.2
9 18	22 55.14	−25 9.3	1.713	2.654	9.5	18.3
9 28	22 47.25	−25 1.0	1.766	2.651	12.5	18.5
10 8	22 41.43	−24 30.2	1.840	2.647	15.3	18.7

287952 2003 UK_{97} 9 7.5 192.°92 4.°7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.52	+11 21.3	2.041	2.791	16.5	20.5
8 9	23 23.46	+11 12.7	1.949	2.791	13.9	20.3
8 19	23 18.41	+10 41.7	1.876	2.790	10.9	20.1
8 29	23 11.80	+ 9 48.1	1.826	2.789	7.7	19.9
9 8	23 4.35	+ 8 34.6	1.800	2.788	5.1	19.7
9 18	22 56.88	+ 7 6.6	1.802	2.787	5.2	19.7
9 28	22 50.28	+ 5 31.6	1.832	2.785	7.8	19.9
10 8	22 45.30	+ 3 58.1	1.887	2.784	11.1	20.1

329397 2002 AP_{55} 9 7.5 304.°37 2.°2/ 5.8 18

7 30	23 26.72	− 6 18.2	1.235	2.095	19.3	21.1
8 9	23 25.09	− 7 3.4	1.149	2.076	15.3	20.8
8 19	23 20.42	− 8 8.8	1.082	2.056	10.5	20.5
8 29	23 13.15	− 9 28.8	1.036	2.037	5.2	20.2
9 8	23 4.27	−10 53.4	1.013	2.018	2.6	19.9
9 18	22 55.15	−12 11.2	1.013	1.999	7.8	20.2
9 28	22 47.37	−13 11.4	1.037	1.981	13.4	20.4
10 8	22 42.20	−13 47.4	1.080	1.964	18.4	20.7

59089 1998 VF_{38} 9 7.5 317.°04 2.°7/ 5.5 18

7 30	23 28.39	− 9 12.5	1.335	2.194	18.2	19.1
8 9	23 26.13	− 9 41.8	1.251	2.177	14.4	18.8
8 19	23 20.95	−10 24.5	1.187	2.160	9.9	18.5
8 29	23 13.33	−11 14.9	1.144	2.144	5.0	18.2
9 8	23 4.26	−12 4.8	1.124	2.128	3.0	18.0
9 18	22 55.07	−12 45.6	1.129	2.113	7.5	18.2
9 28	22 47.21	−13 9.8	1.158	2.099	12.6	18.5
10 8	22 41.83	−13 13.6	1.206	2.085	17.2	18.7

290805 2005 VR_{93} 9 7.5 133.°32 1.°3/ 9.1 18

7 30	23 26.27	+ 1 43.8	2.506	3.292	12.8	21.1
8 9	23 22.74	+ 1 18.3	2.422	3.299	10.3	21.0
8 19	23 17.61	+ 0 39.2	2.359	3.305	7.4	20.8
8 29	23 11.31	− 0 11.2	2.322	3.312	4.1	20.6
9 8	23 4.39	− 1 9.1	2.313	3.318	1.4	20.4
9 18	22 57.53	− 2 10.1	2.333	3.324	3.4	20.6
9 28	22 51.39	− 3 9.1	2.382	3.330	6.6	20.8
10 8	22 46.55	− 4 1.5	2.457	3.336	9.5	21.0

431040 2006 BQ_{11} 9 7.5 95.°15 5.°2/ 2.1 18

7 30	23 29.56	−15 6.9	1.759	2.611	14.8	20.7
8 9	23 26.01	−16 38.9	1.703	2.624	11.5	20.6
8 19	23 20.18	−18 17.1	1.669	2.637	8.1	20.4
8 29	23 12.65	−19 52.8	1.661	2.650	5.5	20.3
9 8	23 4.32	−21 16.6	1.679	2.663	5.8	20.3
9 18	22 56.18	−22 21.2	1.724	2.676	8.6	20.5
9 28	22 49.24	−23 2.3	1.793	2.688	11.8	20.7
10 8	22 44.25	−23 19.0	1.884	2.701	14.7	21.0

328691 2009 SM_{351} 9 7.5 302.°64 7.°9/16.6 18

7 30	23 25.12	+19 26.1	2.281	2.972	16.4	20.2
8 9	23 22.38	+20 2.8	2.173	2.954	14.6	20.1
8 19	23 17.73	+20 18.2	2.081	2.937	12.5	19.9
8 29	23 11.53	+20 9.4	2.009	2.920	10.3	19.7
9 8	23 4.37	+19 35.5	1.960	2.903	8.5	19.6
9 18	22 57.04	+18 38.0	1.936	2.886	7.9	19.5
9 28	22 50.42	+17 21.8	1.938	2.870	9.0	19.5
10 8	22 45.27	+15 54.1	1.965	2.854	11.1	19.6

291782 2006 KP_{41} 9 7.5 92.°81 6.°7/31.5 18

7 30	23 30.54	−20 55.6	1.853	2.705	14.1	21.0
8 9	23 26.73	−22 24.4	1.800	2.717	11.2	20.8
8 19	23 20.64	−23 53.9	1.769	2.728	8.5	20.7
8 29	23 12.87	−25 15.2	1.764	2.739	6.8	20.6
9 8	23 4.32	−26 20.0	1.785	2.751	7.4	20.7
9 18	22 55.97	−27 2.4	1.831	2.762	9.7	20.9
9 28	22 48.84	−27 19.7	1.902	2.773	12.4	21.0
10 8	22 43.67	−27 12.5	1.993	2.783	14.9	21.3

520975 2014 YU_{63} 9 7.5 272.°32 2.°8/ 5.6 18

7 30	23 34.56	−10 38.8	1.448	2.294	17.7	21.6
8 9	23 30.70	−11 0.2	1.368	2.285	14.0	21.4
8 19	23 23.91	−11 31.6	1.306	2.276	9.6	21.1
8 29	23 14.72	−12 7.2	1.268	2.267	5.0	20.8
9 8	23 4.20	−12 39.7	1.255	2.258	3.1	20.7
9 18	22 53.68	−13 2.0	1.267	2.249	7.3	20.9
9 28	22 44.56	−13 8.8	1.305	2.240	12.0	21.2
10 8	22 37.93	−12 57.9	1.363	2.231	16.3	21.4

449985 2015 PS_{122} 9 7.5 17.°52 0.°1/ 7.4 18

7 30	23 30.01	− 4 48.4	1.855	2.678	15.3	21.0
8 9	23 26.29	− 4 56.1	1.776	2.679	12.1	20.8
8 19	23 20.38	− 5 15.3	1.718	2.681	8.4	20.6
8 29	23 12.78	− 5 42.9	1.684	2.682	4.2	20.3
9 8	23 4.32	− 6 14.4	1.677	2.684	0.3	20.0
9 18	22 55.93	− 6 44.7	1.696	2.686	4.7	20.4
9 28	22 48.60	− 7 8.9	1.743	2.688	8.8	20.7
10 8	22 43.09	− 7 23.2	1.814	2.691	12.4	20.9

403413 2009 SV_{64} 9 7.5 318.°08 0.°2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.19	− 3 2.1	1.852	2.679	15.2	21.4
8 9	23 22.83	− 3 18.4	1.743	2.648	12.2	21.2
8 19	23 18.28	− 3 49.3	1.655	2.618	8.6	20.9
8 29	23 11.90	− 4 32.5	1.590	2.588	4.4	20.6
9 8	23 4.36	− 5 23.4	1.550	2.558	0.3	20.2
9 18	22 56.58	− 6 16.0	1.538	2.529	4.8	20.5
9 28	22 49.60	− 7 3.7	1.551	2.500	9.4	20.7
10 8	22 44.34	− 7 40.8	1.588	2.472	13.5	20.8

111892 2002 FU_{2} 9 7.5 173.°09 1.°2/ 6.5 17

7 30	23 32.01	− 5 33.5	1.556	2.389	17.3	20.3
8 9	23 28.33	− 6 9.7	1.480	2.390	13.6	20.0
8 19	23 22.04	− 7 1.0	1.425	2.392	9.3	19.8
8 29	23 13.70	− 8 2.2	1.393	2.392	4.5	19.5
9 8	23 4.27	− 9 6.1	1.387	2.393	1.5	19.3
9 18	22 54.92	−10 4.6	1.407	2.393	6.0	19.6
9 28	22 46.85	−10 50.6	1.453	2.393	10.6	19.9
10 8	22 40.99	−11 19.8	1.521	2.393	14.7	20.1

37494 1174 T-2 9 7.5 48.°37 1.°9/ 5.8 18

7 30	23 30.81	−10 6.9	2.061	2.891	13.8	19.1
8 9	23 26.64	−10 24.2	1.986	2.895	10.8	18.9
8 19	23 20.45	−10 48.4	1.933	2.900	7.3	18.7
8 29	23 12.77	−11 15.4	1.906	2.904	3.7	18.5
9 8	23 4.34	−11 40.5	1.905	2.909	2.1	18.4
9 18	22 56.03	−11 59.2	1.933	2.914	5.2	18.6
9 28	22 48.73	−12 8.0	1.988	2.919	8.8	18.8
10 8	22 43.12	−12 4.9	2.066	2.924	12.0	19.0

100134 1993 RT_{14} 9 7.5 69.°42 1.°7/ 6.2 18

7 30	23 36.08	−10 2.3	1.774	2.602	15.7	19.2
8 9	23 30.92	−10 6.0	1.712	2.619	12.3	19.0
8 19	23 23.42	−10 16.5	1.671	2.636	8.3	18.8
8 29	23 14.22	−10 29.9	1.655	2.653	4.1	18.6
9 8	23 4.27	−10 41.2	1.665	2.670	1.9	18.5
9 18	22 54.63	−10 46.3	1.704	2.687	5.5	18.7
9 28	22 46.32	−10 42.1	1.769	2.704	9.4	19.0
10 8	22 40.08	−10 26.9	1.858	2.721	12.9	19.3

378268 2007 EM_{12} 9 7.5 192.°78 2.°3/ 9.4 17

7 30	23 32.08	+ 1 28.4	1.795	2.593	16.7	21.1
8 9	23 28.07	+ 1 34.5	1.709	2.592	13.6	20.9
8 19	23 21.72	+ 1 24.4	1.644	2.591	9.9	20.7
8 29	23 13.52	+ 0 59.3	1.601	2.590	5.8	20.4
9 8	23 4.30	+ 0 22.7	1.585	2.589	2.4	20.2
9 18	22 55.08	− 0 20.4	1.596	2.587	4.6	20.4
9 28	22 46.94	− 1 3.7	1.633	2.585	8.7	20.6
10 8	22 40.73	− 1 41.5	1.696	2.583	12.6	20.9

308644 2006 AH_{64} 9 7.5 247.°50 2.°2/ 5.8 17

7 30	23 31.24	− 7 4.0	1.367	2.215	18.5	22.0
8 9	23 28.19	− 7 49.2	1.291	2.210	14.6	21.7
8 19	23 22.22	− 8 50.7	1.234	2.205	9.9	21.4
8 29	23 13.91	−10 2.3	1.200	2.200	4.9	21.1
9 8	23 4.28	−11 15.0	1.190	2.195	2.6	21.0
9 18	22 54.66	−12 18.9	1.206	2.190	7.2	21.2
9 28	22 46.45	−13 6.1	1.245	2.184	12.2	21.5
10 8	22 40.72	−13 31.9	1.306	2.179	16.6	21.8

346608 2008 WC_{63} 9 7.5 293.°53 8.°4/15.0 18

7 30	23 27.60	+15 57.1	1.794	2.526	19.0	20.9
8 9	23 24.90	+16 45.1	1.693	2.510	16.7	20.7
8 19	23 19.81	+17 9.9	1.608	2.494	14.0	20.5
8 29	23 12.71	+17 7.5	1.542	2.477	11.2	20.3
9 8	23 4.35	+16 36.6	1.499	2.461	8.9	20.1
9 18	22 55.74	+15 39.2	1.481	2.445	8.5	20.1
9 28	22 48.04	+14 21.5	1.487	2.429	10.2	20.1
10 8	22 42.25	+12 53.0	1.516	2.414	13.2	20.3

46595 Kita–Kyushu 9 7.5 286.°53 0.°8/ 6.9 18

7 30	23 31.29	− 5 38.0	1.528	2.364	17.4	19.4
8 9	23 28.17	− 5 54.2	1.430	2.341	14.0	19.1
8 19	23 22.28	− 6 25.2	1.351	2.318	9.7	18.8
8 29	23 14.02	− 7 7.3	1.295	2.295	4.8	18.5
9 8	23 4.28	− 7 54.5	1.264	2.272	1.0	18.1
9 18	22 54.25	− 8 39.5	1.259	2.248	6.1	18.4
9 28	22 45.33	− 9 14.9	1.279	2.225	11.3	18.7
10 8	22 38.67	− 9 35.3	1.321	2.201	16.0	18.9

27810 Daveturner 9 7.5 140.°90 4.°2/ 9.1 18 R

7 30	23 48.59	− 1 34.1	1.193	2.005	22.7	17.3
8 9	23 42.36	− 0 10.1	1.120	2.010	18.6	17.0
8 19	23 32.28	+ 1 2.3	1.064	2.014	13.7	16.7
8 29	23 19.02	+ 2 0.8	1.030	2.018	8.2	16.5
9 8	23 4.01	+ 2 44.7	1.020	2.022	4.2	16.2
9 18	22 49.14	+ 3 15.1	1.036	2.025	7.0	16.4
9 28	22 36.32	+ 3 36.0	1.078	2.028	12.3	16.7
10 8	22 26.93	+ 3 52.9	1.141	2.031	17.2	17.0

132380 2002 GS_{80} 9 7.5 53°.15 1°.6/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.99	− 4 10.4	1.260	2.112	19.5	19.7
8 9	23 25.56	− 5 11.6	1.202	2.123	15.3	19.5
8 19	23 20.30	− 6 33.0	1.163	2.134	10.3	19.2
8 29	23 12.86	− 8 7.1	1.145	2.146	4.9	19.0
9 8	23 4.36	− 9 43.3	1.152	2.158	1.9	18.8
9 18	22 56.10	−11 10.4	1.184	2.171	6.8	19.2
9 28	22 49.37	−12 19.2	1.240	2.183	11.8	19.5
10 8	22 45.08	−13 4.5	1.317	2.196	16.0	19.8

300641 2007 UM_{60} 9 7.5 283°.56 1°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.20	− 7 56.2	1.898	2.730	14.7	21.5
8 9	23 25.72	− 8 26.0	1.812	2.722	11.5	21.3
8 19	23 20.07	− 9 6.2	1.746	2.714	7.9	21.0
8 29	23 12.69	− 9 52.7	1.706	2.705	3.9	20.8
9 8	23 4.37	−10 39.5	1.692	2.697	1.9	20.6
9 18	22 56.04	−11 20.7	1.706	2.689	5.5	20.9
9 28	22 48.68	−11 51.2	1.746	2.681	9.5	21.1
10 8	22 43.11	−12 7.5	1.809	2.673	13.1	21.3

432666 2011 AV_{37} 9 7.5 131°.54 0°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.42	− 4 41.6	1.778	2.597	16.1	22.0
8 9	23 29.00	− 5 1.9	1.705	2.606	12.7	21.8
8 19	23 22.25	− 5 35.0	1.653	2.615	8.7	21.6
8 29	23 13.73	− 6 16.9	1.625	2.623	4.3	21.3
9 8	23 4.33	− 7 2.1	1.624	2.632	0.6	21.1
9 18	22 55.08	− 7 44.7	1.651	2.639	5.0	21.4
9 28	22 47.01	− 8 19.1	1.705	2.647	9.2	21.7
10 8	22 40.94	− 8 41.5	1.782	2.654	12.9	21.9

225931 2002 AS_{170} 9 7.5 233°.70 0°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.86	− 5 39.9	1.877	2.700	15.2	20.8
8 9	23 27.06	− 6 6.2	1.789	2.693	12.0	20.5
8 19	23 21.01	− 6 44.9	1.722	2.686	8.2	20.3
8 29	23 13.18	− 7 32.0	1.680	2.679	4.0	20.0
9 8	23 4.36	− 8 22.1	1.664	2.671	1.0	19.8
9 18	22 55.52	− 9 8.9	1.676	2.663	5.2	20.1
9 28	22 47.68	− 9 46.8	1.715	2.655	9.4	20.3
10 8	22 41.68	−10 11.7	1.778	2.647	13.1	20.5

23936 1998 TV_{6} 9 7.5 131°.40 4°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.99	+13 23.3	2.572	3.294	14.1	18.4
8 9	23 21.80	+13 18.7	2.479	3.298	12.0	18.3
8 19	23 17.04	+12 55.4	2.406	3.302	9.6	18.1
8 29	23 11.07	+12 13.4	2.356	3.305	7.1	18.0
9 8	23 4.48	+11 14.4	2.332	3.309	5.1	17.9
9 18	22 57.90	+10 2.1	2.336	3.313	4.9	17.9
9 28	22 52.01	+ 8 42.2	2.368	3.316	6.7	18.0
10 8	22 47.39	+ 7 20.7	2.427	3.319	9.1	18.1

146265 2001 BC_{78} 9 7.5 110°.32 1°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.55	− 6 34.3	2.469	3.289	12.0	19.7
8 9	23 22.21	− 7 43.5	2.395	3.300	9.3	19.5
8 19	23 17.27	− 9 2.8	2.346	3.311	6.2	19.3
8 29	23 11.17	−10 27.3	2.323	3.322	3.0	19.1
9 8	23 4.48	−11 51.3	2.329	3.333	1.9	19.1
9 18	22 57.87	−13 8.9	2.365	3.343	4.7	19.3
9 28	22 52.00	−14 14.9	2.429	3.353	7.8	19.5
10 8	22 47.44	−15 6.3	2.518	3.363	10.5	19.7

439303 2012 VJ_{34} 9 7.5 321°.16 1°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.11	− 6 5.7	1.506	2.356	17.0	20.4
8 9	23 23.15	− 6 50.9	1.420	2.340	13.4	20.1
8 19	23 18.68	− 7 52.7	1.354	2.326	9.2	19.8
8 29	23 12.15	− 9 5.9	1.311	2.311	4.5	19.5
9 8	23 4.42	−10 22.6	1.292	2.298	2.1	19.3
9 18	22 56.60	−11 33.6	1.299	2.285	6.5	19.6
9 28	22 49.89	−12 30.5	1.331	2.272	11.3	19.8
10 8	22 45.28	−13 7.7	1.384	2.261	15.6	20.0

301493 2009 ES_{4} 9 7.5 180°.69 0°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.33	− 2 4.3	2.377	3.178	13.0	21.8
8 9	23 24.50	− 2 36.8	2.289	3.179	10.3	21.6
8 19	23 18.93	− 3 21.7	2.223	3.179	7.2	21.4
8 29	23 12.04	− 4 15.9	2.183	3.179	3.6	21.2
9 8	23 4.44	− 5 15.2	2.172	3.179	0.2	20.9
9 18	22 56.86	− 6 14.3	2.189	3.178	3.8	21.2
9 28	22 50.06	− 7 8.2	2.235	3.177	7.3	21.4
10 8	22 44.66	− 7 52.6	2.307	3.175	10.5	21.6

251376 2007 VK_{55} 9 7.5 12°.10 1°.7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.05	+ 1 28.5	0.945	1.812	23.3	20.1
8 9	23 20.93	+ 1 8.8	0.890	1.815	18.8	19.8
8 19	23 17.59	+ 0 19.2	0.850	1.819	13.4	19.5
8 29	23 11.69	− 0 56.7	0.828	1.825	7.3	19.2
9 8	23 4.46	− 2 29.2	0.826	1.833	1.8	18.9
9 18	22 57.41	− 4 5.2	0.846	1.842	6.2	19.2
9 28	22 52.09	− 5 30.9	0.888	1.852	12.1	19.6
10 8	22 49.55	− 6 35.9	0.948	1.864	17.3	19.9

76993 2001 BB_{73} 9 7.5 179°.17 6°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.16	−19 39.5	1.858	2.710	14.1	18.5
8 9	23 26.55	−20 58.5	1.792	2.710	11.2	18.3
8 19	23 20.64	−22 20.1	1.748	2.710	8.3	18.2
8 29	23 12.97	−23 36.0	1.730	2.710	6.4	18.0
9 8	23 4.41	−24 37.7	1.737	2.710	6.9	18.1
9 18	22 55.95	−25 18.9	1.771	2.710	9.4	18.2
9 28	22 48.64	−25 36.2	1.828	2.710	12.3	18.4
10 8	22 43.27	−25 29.6	1.907	2.710	15.0	18.6

428575 2008 DU_{23} 9 7.5 316°.24 1°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 46.93	− 8 18.6	1.221	2.053	21.2	20.0
8 9	23 41.70	− 6 46.1	1.122	2.027	17.4	19.7
8 19	23 32.41	− 5 12.2	1.041	2.002	12.6	19.3
8 29	23 19.46	− 3 36.4	0.982	1.978	6.8	19.0
9 8	23 4.03	− 1 59.4	0.948	1.954	1.9	18.6
9 18	22 48.01	− 0 23.7	0.941	1.932	7.1	18.8
9 28	22 33.61	+ 1 8.6	0.959	1.910	13.4	19.1
10 8	22 22.59	+ 2 36.9	0.999	1.889	19.0	19.3

257900 2000 TZ_{33} 9 7.5 301°.45 3°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.10	−14 20.9	1.949	2.794	13.9	20.6
8 9	23 25.75	−15 3.1	1.856	2.773	10.9	20.3
8 19	23 20.17	−15 51.6	1.784	2.753	7.6	20.1
8 29	23 12.81	−16 40.8	1.738	2.732	4.6	19.9
9 8	23 4.41	−17 23.9	1.718	2.712	4.3	19.8
9 18	22 55.92	−17 55.0	1.724	2.692	7.2	20.0
9 28	22 48.36	−18 9.5	1.756	2.672	10.8	20.1
10 8	22 42.58	−18 5.5	1.811	2.652	14.2	20.3

317934 2003 WJ_{11} 9 7.5 244°.68 7°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.27	−27 14.9	2.005	2.841	13.8	20.7
8 9	23 32.08	−28 10.6	1.933	2.834	11.4	20.5
8 19	23 24.40	−29 2.0	1.884	2.826	9.2	20.3
8 29	23 14.83	−29 40.8	1.859	2.817	8.0	20.3
9 8	23 4.31	−30 0.1	1.860	2.809	8.5	20.3
9 18	22 53.95	−29 55.2	1.887	2.801	10.4	20.4
9 28	22 44.87	−29 25.1	1.938	2.792	12.9	20.5
10 8	22 37.90	−28 32.1	2.010	2.783	15.4	20.7

412769 2014 OS_{386} 9 7.5 337°.05 3°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.56	+ 6 20.3	2.285	3.055	14.4	21.0
8 9	23 23.25	+ 6 26.2	2.194	3.053	11.9	20.9
8 19	23 18.15	+ 6 16.2	2.123	3.052	9.1	20.7
8 29	23 11.69	+ 5 50.7	2.076	3.051	6.0	20.5
9 8	23 4.48	+ 5 11.8	2.054	3.050	3.6	20.3
9 18	22 57.26	+ 4 23.6	2.061	3.049	4.2	20.4
9 28	22 50.81	+ 3 31.0	2.095	3.048	7.1	20.5
10 8	22 45.78	+ 2 39.6	2.155	3.047	10.1	20.7

476699 2008 TY_{130} 9 7.5 330°.83 3°.1/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.73	+ 2 11.5	1.311	2.146	19.8	21.1
8 9	23 22.51	+ 2 26.4	1.221	2.126	16.4	20.9
8 19	23 18.53	+ 2 19.9	1.149	2.106	12.1	20.5
8 29	23 12.21	+ 1 51.7	1.097	2.088	7.3	20.2
9 8	23 4.44	+ 1 5.3	1.067	2.071	3.3	19.9
9 18	22 56.45	+ 0 7.4	1.061	2.055	5.7	20.0
9 28	22 49.64	− 0 53.0	1.077	2.040	10.8	20.3
10 8	22 45.18	− 1 46.3	1.115	2.026	15.7	20.5

221851 2008 FG_{125} 9 7.5 10°.23 7°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.45	−21 26.5	1.538	2.405	15.8	18.8
8 9	23 25.55	−22 19.2	1.484	2.409	12.6	18.6
8 19	23 20.08	−23 11.2	1.450	2.415	9.4	18.4
8 29	23 12.69	−23 54.0	1.439	2.421	7.3	18.3
9 8	23 4.43	−24 19.7	1.452	2.428	7.6	18.4
9 18	22 56.45	−24 23.1	1.489	2.437	10.1	18.5
9 28	22 49.87	−24 2.4	1.550	2.447	13.2	18.8
10 8	22 45.50	−23 19.2	1.630	2.457	16.1	19.0

102467 1999 TA_{233} 9 7.5 290°.18 2°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.08	− 6 27.2	1.768	2.609	15.2	19.3
8 9	23 22.74	− 7 49.1	1.680	2.596	11.9	19.0
8 19	23 18.18	− 9 28.0	1.613	2.584	8.1	18.8
8 29	23 11.84	−11 17.5	1.572	2.572	4.0	18.5
9 8	23 4.47	−13 8.3	1.557	2.560	2.9	18.4
9 18	22 57.02	−14 50.9	1.570	2.548	6.7	18.6
9 28	22 50.51	−16 16.5	1.609	2.536	10.8	18.8
10 8	22 45.80	−17 19.7	1.671	2.524	14.6	19.0

114967 2003 QM_{62} 9 7.5 307°.44 0°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.65	− 2 18.2	1.657	2.491	16.4	19.4
8 9	23 21.79	− 3 24.9	1.564	2.474	13.0	19.1
8 19	23 17.64	− 4 52.7	1.491	2.458	8.9	18.8
8 29	23 11.62	− 6 37.0	1.442	2.442	4.3	18.5
9 8	23 4.49	− 8 29.4	1.419	2.426	1.2	18.3
9 18	22 57.22	−10 19.6	1.423	2.410	5.8	18.5
9 28	22 50.91	−11 57.5	1.453	2.395	10.5	18.8
10 8	22 46.48	−13 15.5	1.506	2.381	14.7	19.0

215400 2002 EJ_{17} 9 7.5 351°.44 0°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.46	− 2 30.2	1.421	2.266	18.1	19.8
8 9	23 22.66	− 3 10.1	1.346	2.261	14.4	19.5
8 19	23 18.32	− 4 9.9	1.290	2.258	9.9	19.3
8 29	23 11.95	− 5 25.1	1.255	2.255	4.9	19.0
9 8	23 4.47	− 6 47.6	1.245	2.253	0.5	18.6
9 18	22 57.02	− 8 8.1	1.260	2.251	5.7	19.0
9 28	22 50.78	− 9 17.3	1.300	2.250	10.7	19.3
10 8	22 46.70	−10 8.6	1.362	2.250	15.0	19.6

135542 2002 CQ_{286} 9 7.5 198°.26 0°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.59	− 3 31.3	1.896	2.712	15.3	21.3
8 9	23 26.77	− 3 51.9	1.813	2.711	12.2	21.1
8 19	23 20.76	− 4 25.8	1.749	2.710	8.4	20.9
8 29	23 13.05	− 5 9.8	1.711	2.708	4.2	20.6
9 8	23 4.43	− 5 58.8	1.699	2.706	0.2	20.3
9 18	22 55.82	− 6 47.0	1.714	2.704	4.7	20.6
9 28	22 48.22	− 7 28.5	1.757	2.702	8.8	20.9
10 8	22 42.42	− 7 59.0	1.824	2.699	12.5	21.1

218437 2004 RD_{191} 9 7.5 25°.28 3°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.64	+ 7 35.1	2.057	2.831	15.6	19.9
8 9	23 21.92	+ 7 24.0	1.973	2.835	13.0	19.7
8 19	23 17.33	+ 6 53.4	1.908	2.839	9.8	19.5
8 29	23 11.31	+ 6 4.1	1.867	2.843	6.5	19.3
9 8	23 4.53	+ 4 59.5	1.851	2.847	3.8	19.2
9 18	22 57.78	+ 3 44.9	1.862	2.852	4.4	19.2
9 28	22 51.89	+ 2 27.2	1.901	2.857	7.4	19.4
10 8	22 47.53	+ 1 13.3	1.966	2.862	10.7	19.6

355001 2006 QK_{19} 9 7.5 325°.91 3°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.79	− 8 16.8	1.549	2.407	16.2	20.5
8 9	23 21.30	− 9 24.7	1.461	2.387	12.7	20.3
8 19	23 17.41	−10 49.0	1.394	2.369	8.6	20.0
8 29	23 11.55	−12 23.1	1.350	2.351	4.5	19.7
9 8	23 4.52	−13 57.5	1.332	2.333	3.6	19.6
9 18	22 57.36	−15 22.3	1.339	2.317	7.5	19.8
9 28	22 51.25	−16 28.5	1.370	2.301	11.9	20.0
10 8	22 47.14	−17 11.0	1.422	2.286	16.0	20.2

240639 2005 AX_{44} 9 7.5 92°.81 1°.8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.90	− 0 16.4	1.949	2.744	15.7	20.6
8 9	23 29.11	− 0 4.8	1.877	2.760	12.6	20.4
8 19	23 22.19	− 0 6.3	1.827	2.775	9.0	20.2
8 29	23 13.68	− 0 19.5	1.800	2.791	5.0	20.0
9 8	23 4.42	− 0 41.0	1.801	2.806	1.8	19.8
9 18	22 55.33	− 1 6.8	1.830	2.821	4.2	20.0
9 28	22 47.34	− 1 32.0	1.886	2.836	8.0	20.3
10 8	22 41.19	− 1 52.3	1.968	2.850	11.4	20.5

374712 2006 SR_{13} 9 7.5 12°.55 1°.8/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.05	− 1 11.2	0.908	1.783	23.3	19.9
8 9	23 22.59	− 0 58.9	0.858	1.788	18.8	19.6
8 19	23 18.76	− 1 10.7	0.822	1.794	13.3	19.3
8 29	23 12.29	− 1 43.8	0.804	1.802	7.2	19.0
9 8	23 4.49	− 2 30.9	0.806	1.813	1.8	18.7
9 18	22 56.97	− 3 22.0	0.829	1.825	6.3	19.1
9 28	22 51.29	− 4 6.7	0.873	1.839	12.1	19.5
10 8	22 48.51	− 4 36.9	0.936	1.854	17.2	19.8

74591 1999 PS_{1} 9 7.5 56°.00 3°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.41	+ 2 45.4	1.259	2.077	21.4	18.5
8 9	23 30.55	+ 3 15.7	1.203	2.095	17.5	18.3
8 19	23 23.70	+ 3 24.5	1.164	2.113	12.8	18.1
8 29	23 14.57	+ 3 12.3	1.145	2.132	7.8	17.9
9 8	23 4.38	+ 2 42.9	1.150	2.151	3.9	17.7
9 18	22 54.53	+ 2 2.9	1.179	2.171	5.8	17.9
9 28	22 46.39	+ 1 20.4	1.233	2.190	10.3	18.2
10 8	22 40.88	+ 0 43.0	1.309	2.210	14.6	18.5

344266 2001 SA_{343} 9 7.5 315°.41 9°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.78	+16 16.6	1.612	2.347	20.8	20.4
8 9	23 27.67	+17 34.8	1.524	2.340	18.3	20.2
8 19	23 21.88	+18 29.7	1.452	2.334	15.5	20.0
8 29	23 13.83	+18 56.1	1.399	2.328	12.6	19.8
9 8	23 4.42	+18 51.3	1.368	2.322	10.4	19.7
9 18	22 54.79	+18 16.5	1.359	2.316	9.9	19.6
9 28	22 46.28	+17 17.5	1.375	2.311	11.5	19.7
10 8	22 39.98	+16 4.1	1.413	2.306	14.2	19.9

68331 2001 HM_{58} 9 7.5 22°.23 7°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.76	+22 48.2	2.419	3.079	16.3	19.0
8 9	23 21.91	+23 7.6	2.325	3.080	14.5	18.9
8 19	23 17.28	+23 3.9	2.247	3.081	12.5	18.7
8 29	23 11.29	+22 34.6	2.189	3.082	10.4	18.6
9 8	23 4.56	+21 40.0	2.153	3.083	8.6	18.5
9 18	22 57.80	+20 22.4	2.143	3.084	7.9	18.5
9 28	22 51.81	+18 47.3	2.159	3.085	8.5	18.5
10 8	22 47.23	+17 2.6	2.201	3.087	10.2	18.6

299129 2005 EA_{217} 9 7.5 110°.09 3°.7/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 35.29	−15 48.7	2.240	3.067	12.9	21.0
8 9	23 29.85	−16 26.9	2.182	3.088	10.0	20.9
8 19	23 22.48	−17 7.5	2.146	3.109	7.0	20.7
8 29	23 13.75	−17 45.4	2.138	3.129	4.3	20.6
9 8	23 4.44	−18 15.2	2.157	3.148	4.0	20.6
9 18	22 55.39	−18 33.1	2.205	3.167	6.3	20.8
9 28	22 47.44	−18 36.6	2.280	3.185	9.2	21.0
10 8	22 41.19	−18 25.4	2.380	3.203	11.8	21.2

212449 2006 PQ_{42} 9 7.5 79°.63 0°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.92	− 0 2.7	1.891	2.700	15.6	20.5
8 9	23 24.56	− 0 32.6	1.819	2.711	12.4	20.3
8 19	23 19.16	− 1 18.7	1.767	2.723	8.7	20.1
8 29	23 12.21	− 2 17.7	1.740	2.735	4.6	19.9
9 8	23 4.52	− 3 24.1	1.739	2.746	0.9	19.6
9 18	22 56.93	− 4 31.6	1.766	2.758	4.2	19.9
9 28	22 50.37	− 5 33.4	1.820	2.769	8.2	20.2
10 8	22 45.53	− 6 24.4	1.899	2.781	11.7	20.4

511433 2014 HQ_{202} 9 7.5 135°.88 1°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.85	− 6 4.2	2.056	2.880	14.0	21.8
8 9	23 24.43	− 6 40.7	1.976	2.881	11.0	21.6
8 19	23 19.05	− 7 28.4	1.917	2.882	7.4	21.3
8 29	23 12.18	− 8 23.3	1.883	2.882	3.6	21.1
9 8	23 4.52	− 9 19.7	1.877	2.883	1.3	20.9
9 18	22 56.92	−10 12.0	1.899	2.884	4.9	21.2
9 28	22 50.22	−10 54.8	1.947	2.884	8.6	21.4
10 8	22 45.12	−11 24.5	2.020	2.885	11.9	21.6

487921 2015 TM_{203} 9 7.5 276°.66 7°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.34	−30 45.3	2.426	3.253	12.0	21.1
8 9	23 30.23	−31 38.0	2.350	3.239	10.2	21.0
8 19	23 22.98	−32 24.9	2.297	3.224	8.6	20.8
8 29	23 14.12	−32 58.8	2.269	3.209	7.8	20.8
9 8	23 4.43	−33 14.0	2.267	3.194	8.4	20.8
9 18	22 54.83	−33 6.7	2.290	3.179	10.0	20.9
9 28	22 46.29	−32 36.1	2.338	3.164	12.0	21.0
10 8	22 39.53	−31 44.0	2.408	3.149	14.0	21.1

278298 2007 GU_{63} 9 7.5 61°.58 4°.8/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.04	+ 9 47.3	1.585	2.363	19.4	21.1
8 9	23 25.05	+ 9 44.3	1.520	2.380	16.2	21.0
8 19	23 19.69	+ 9 15.7	1.471	2.398	12.4	20.8
8 29	23 12.53	+ 8 21.9	1.444	2.416	8.5	20.6
9 8	23 4.51	+ 7 7.3	1.441	2.434	5.3	20.5
9 18	22 56.67	+ 5 39.0	1.464	2.452	5.6	20.5
9 28	22 50.06	+ 4 6.6	1.513	2.470	8.8	20.8
10 8	22 45.49	+ 2 39.4	1.586	2.488	12.4	21.0

331875 2004 BZ_{144} 9 7.5 153°.74 3°.3/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.71	− 9 19.8	1.606	2.451	16.3	21.1
8 9	23 26.48	−10 32.4	1.535	2.454	12.7	20.8
8 19	23 20.77	−11 58.1	1.486	2.456	8.6	20.6
8 29	23 13.13	−13 29.5	1.460	2.459	4.6	20.4
9 8	23 4.48	−14 57.1	1.461	2.461	3.8	20.3
9 18	22 55.91	−16 11.8	1.488	2.462	7.4	20.6
9 28	22 48.57	−17 6.8	1.541	2.464	11.5	20.8
10 8	22 43.31	−17 39.0	1.615	2.465	15.1	21.0

515011 2009 SF_{23} 9 7.5 16°.46 4°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.05	+ 6 20.2	2.009	2.784	15.9	20.9
8 9	23 24.66	+ 6 44.8	1.925	2.787	13.2	20.7
8 19	23 19.27	+ 6 52.7	1.861	2.790	10.1	20.5
8 29	23 12.31	+ 6 43.6	1.819	2.793	6.8	20.3
9 8	23 4.53	+ 6 19.4	1.803	2.796	4.3	20.2
9 18	22 56.76	+ 5 43.8	1.814	2.800	4.9	20.2
9 28	22 49.90	+ 5 1.9	1.852	2.805	7.8	20.4
10 8	22 44.69	+ 4 19.8	1.914	2.809	11.0	20.6

305544 2008 QS_{47} 9 7.5 308°.89 3°.2/13.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.53	+10 23.1	4.070	4.787	9.3	20.3
8 9	23 19.31	+10 38.7	3.960	4.777	7.9	20.1
8 19	23 15.07	+10 44.3	3.871	4.768	6.3	20.0
8 29	23 10.07	+10 39.8	3.808	4.758	4.6	19.9
9 8	23 4.65	+10 26.1	3.772	4.748	3.4	19.8
9 18	22 59.19	+10 4.5	3.765	4.738	3.4	19.8
9 28	22 54.10	+ 9 37.3	3.786	4.729	4.6	19.9
10 8	22 49.76	+ 9 7.2	3.836	4.719	6.3	20.0

263176 2007 XO_{16} 9 7.5 257°.31 1°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.60	− 0 14.4	1.570	2.386	18.0	21.3
8 9	23 28.23	− 0 19.3	1.479	2.374	14.6	21.0
8 19	23 22.20	− 0 42.2	1.407	2.363	10.4	20.8
8 29	23 13.98	− 1 21.3	1.357	2.351	5.7	20.5
9 8	23 4.44	− 2 11.9	1.332	2.338	1.5	20.2
9 18	22 54.76	− 3 7.5	1.334	2.326	5.2	20.4
9 28	22 46.22	− 4 0.2	1.361	2.313	10.1	20.6
10 8	22 39.86	− 4 43.2	1.411	2.300	14.5	20.9

94279 2001 DD_{40} 9 7.5 292°.18 0°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.66	− 2 28.0	2.202	3.017	13.5	19.5
8 9	23 21.88	− 3 15.3	2.110	3.009	10.7	19.3
8 19	23 17.30	− 4 16.8	2.040	3.001	7.4	19.1
8 29	23 11.33	− 5 29.0	1.995	2.993	3.6	18.8
9 8	23 4.59	− 6 46.6	1.978	2.985	0.4	18.5
9 18	22 57.82	− 8 3.1	1.989	2.978	4.3	18.8
9 28	22 51.80	− 9 12.4	2.028	2.970	8.0	19.1
10 8	22 47.21	−10 9.4	2.092	2.963	11.3	19.3

289734 2005 JB_{29} 9 7.5 151°.05 3°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.72	+13 36.3	4.572	5.268	8.6	21.0
8 9	23 17.00	+13 27.5	4.470	5.269	7.4	20.9
8 19	23 13.42	+13 8.0	4.388	5.269	5.9	20.8
8 29	23 9.22	+12 38.0	4.332	5.270	4.5	20.7
9 8	23 4.71	+11 58.6	4.302	5.271	3.3	20.6
9 18	23 0.19	+11 11.7	4.302	5.272	3.2	20.6
9 28	22 56.03	+10 19.7	4.331	5.273	4.1	20.7
10 8	22 52.51	+ 9 25.5	4.388	5.274	5.5	20.8

47665 2000 CX_{55} 9 7.5 327°.84 2°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.07	− 6 55.7	1.707	2.551	15.5	18.3
8 9	23 22.75	− 8 4.5	1.627	2.545	12.1	18.1
8 19	23 18.19	− 9 28.5	1.568	2.539	8.2	17.9
8 29	23 11.86	−11 1.5	1.534	2.534	4.1	17.6
9 8	23 4.57	−12 34.8	1.526	2.529	2.7	17.5
9 18	22 57.26	−13 59.5	1.544	2.524	6.5	17.7
9 28	22 50.97	−15 8.0	1.588	2.519	10.6	18.0
10 8	22 46.54	−15 55.6	1.655	2.515	14.3	18.2

63574 2001 QH_{25} 9 7.5 330°.82 4°.4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.53	−10 14.3	1.051	1.933	20.3	18.2
8 9	23 24.55	−11 9.4	0.981	1.920	16.0	17.9
8 19	23 20.26	−12 21.8	0.928	1.908	11.0	17.6
8 29	23 13.18	−13 42.8	0.896	1.896	6.0	17.3
9 8	23 4.49	−14 59.8	0.885	1.886	5.0	17.2
9 18	22 55.75	−16 0.5	0.895	1.876	9.6	17.5
9 28	22 48.64	−16 35.4	0.927	1.868	15.0	17.7
10 8	22 44.44	−16 40.7	0.977	1.861	19.9	18.0

404084 2012 ES_{1} 9 7.5 178°.21 2°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.19	−12 17.7	2.750	3.576	10.8	21.4
8 9	23 23.39	−13 4.4	2.669	3.577	8.4	21.3
8 19	23 18.07	−13 56.4	2.612	3.578	5.7	21.1
8 29	23 11.62	−14 49.3	2.583	3.578	3.2	20.9
9 8	23 4.59	−15 38.7	2.582	3.578	2.8	20.9
9 18	22 57.60	−16 20.3	2.610	3.578	5.0	21.1
9 28	22 51.30	−16 50.8	2.666	3.578	7.7	21.2
10 8	22 46.22	−17 8.3	2.747	3.577	10.2	21.4

330629 2008 EJ_{78} 9 7.5 72°.40 1°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.57	− 5 45.8	1.456	2.296	18.0	21.2
8 9	23 27.93	− 6 30.8	1.401	2.314	14.0	21.0
8 19	23 21.69	− 7 30.7	1.364	2.333	9.5	20.7
8 29	23 13.53	− 8 39.0	1.352	2.352	4.6	20.5
9 8	23 4.50	− 9 47.6	1.364	2.370	1.8	20.4
9 18	22 55.77	−10 48.2	1.403	2.389	6.1	20.7
9 28	22 48.49	−11 34.2	1.467	2.407	10.6	21.0
10 8	22 43.46	−12 2.0	1.553	2.426	14.4	21.3

432636 2010 VM_{161} 9 7.5 248°.45 2°.1/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.24	+ 7 28.5	4.616	5.351	8.1	21.4
8 9	23 17.38	+ 7 24.5	4.512	5.348	6.7	21.3
8 19	23 13.68	+ 7 12.0	4.432	5.346	5.1	21.2
8 29	23 9.36	+ 6 51.3	4.377	5.343	3.5	21.1
9 8	23 4.72	+ 6 23.9	4.351	5.340	2.3	21.0
9 18	23 0.07	+ 5 51.3	4.354	5.337	2.5	21.0
9 28	22 55.75	+ 5 15.9	4.387	5.335	3.8	21.1
10 8	22 52.07	+ 4 40.0	4.447	5.332	5.5	21.2

294542 2007 YU 9 7.5 102°.33 1°.5/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.40	+ 0 38.7	1.522	2.338	18.4	21.7
8 9	23 27.86	+ 0 22.9	1.452	2.347	14.8	21.5
8 19	23 21.74	− 0 12.4	1.400	2.355	10.5	21.3
8 29	23 13.63	− 1 4.4	1.371	2.364	5.7	21.0
9 8	23 4.50	− 2 7.1	1.366	2.373	1.5	20.8
9 18	22 55.51	− 3 13.1	1.389	2.381	5.0	21.0
9 28	22 47.83	− 4 14.2	1.437	2.389	9.6	21.3
10 8	22 42.35	− 5 3.7	1.508	2.397	13.8	21.6

311565 2006 DN_{46} 9 7.5 111°.31 0°.7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.45	− 5 10.6	1.458	2.288	18.4	21.0
8 9	23 31.09	− 5 31.9	1.393	2.301	14.5	20.7
8 19	23 23.96	− 6 7.8	1.348	2.313	9.9	20.5
8 29	23 14.72	− 6 53.5	1.325	2.324	4.8	20.3
9 8	23 4.45	− 7 42.2	1.329	2.336	0.9	20.0
9 18	22 54.43	− 8 26.6	1.358	2.347	5.8	20.4
9 28	22 45.90	− 9 0.2	1.413	2.357	10.6	20.7
10 8	22 39.79	− 9 19.0	1.491	2.367	14.7	21.0

65137 2002 CQ_{103} 9 7.5 147°.85 1°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.31	− 6 5.4	2.033	2.853	14.3	20.6
8 9	23 26.34	− 6 49.4	1.957	2.860	11.2	20.4
8 19	23 20.35	− 7 44.8	1.903	2.867	7.6	20.2
8 29	23 12.84	− 8 47.3	1.874	2.873	3.7	20.0
9 8	23 4.55	− 9 50.7	1.873	2.879	1.5	19.9
9 18	22 56.35	−10 48.9	1.900	2.884	5.0	20.1
9 28	22 49.12	−11 36.5	1.955	2.889	8.8	20.4
10 8	22 43.57	−12 9.9	2.034	2.893	12.1	20.6

298694 2004 EL_{12} 9 7.5 198°.28 0°.2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.69	− 4 24.7	2.105	2.919	14.1	20.9
8 9	23 25.84	− 4 42.7	2.020	2.918	11.1	20.7
8 19	23 20.03	− 5 11.9	1.957	2.917	7.7	20.5
8 29	23 12.69	− 5 49.3	1.918	2.916	3.8	20.3
9 8	23 4.56	− 6 30.4	1.907	2.915	0.3	20.0
9 18	22 56.45	− 7 10.1	1.924	2.913	4.3	20.3
9 28	22 49.24	− 7 43.8	1.969	2.912	8.1	20.6
10 8	22 43.64	− 8 7.7	2.039	2.910	11.5	20.8

452038 2014 OM_{169} 9 7.5 5°.50 0°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.07	− 7 33.1	2.082	2.906	13.9	20.7
8 9	23 26.13	− 7 38.8	2.002	2.906	10.9	20.5
8 19	23 20.20	− 7 52.7	1.943	2.907	7.4	20.3
8 29	23 12.77	− 8 11.6	1.909	2.907	3.6	20.1
9 8	23 4.56	− 8 31.4	1.902	2.909	1.0	19.9
9 18	22 56.42	− 8 48.0	1.923	2.910	4.6	20.1
9 28	22 49.23	− 8 57.7	1.971	2.911	8.3	20.4
10 8	22 43.68	− 8 58.0	2.044	2.913	11.6	20.6

78855 2003 QU_{66} 9 7.5 34°.70 0°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.93	− 4 4.7	1.580	2.410	17.2	19.3
8 9	23 27.39	− 4 8.3	1.510	2.416	13.7	19.1
8 19	23 21.36	− 4 25.5	1.459	2.423	9.5	18.9
8 29	23 13.43	− 4 53.1	1.432	2.429	4.8	18.6
9 8	23 4.53	− 5 26.0	1.429	2.437	0.2	18.3
9 18	22 55.78	− 5 58.3	1.453	2.444	5.1	18.7
9 28	22 48.30	− 6 24.2	1.503	2.452	9.6	19.0
10 8	22 42.93	− 6 39.6	1.575	2.460	13.5	19.2

36238 1999 VX_{19} 9 7.5 16°.56 2°.8/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.50	− 9 38.3	1.359	2.225	17.5	16.9
8 9	23 22.61	−10 17.9	1.306	2.236	13.6	16.7
8 19	23 18.17	−11 8.6	1.273	2.249	9.2	16.5
8 29	23 11.83	−12 3.7	1.262	2.263	4.7	16.3
9 8	23 4.62	−12 54.9	1.276	2.279	3.2	16.2
9 18	22 57.67	−13 34.8	1.313	2.296	7.0	16.5
9 28	22 52.10	−13 57.9	1.375	2.314	11.2	16.8
10 8	22 48.68	−14 2.0	1.457	2.333	15.0	17.1

511638 2015 BC_{139} 9 7.5 286°.30 2°.1/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.23	− 8 51.7	1.401	2.248	18.1	21.4
8 9	23 29.88	− 9 10.0	1.317	2.235	14.4	21.2
8 19	23 23.55	− 9 40.4	1.251	2.221	9.9	20.9
8 29	23 14.73	−10 17.9	1.207	2.207	5.0	20.5
9 8	23 4.46	−10 55.2	1.188	2.194	2.4	20.3
9 18	22 54.08	−11 24.8	1.195	2.180	7.0	20.6
9 28	22 45.05	−11 40.4	1.225	2.167	12.1	20.8
10 8	22 38.52	−11 38.5	1.277	2.153	16.7	21.1

127412 2002 LA_{51} 9 7.5 311°.89 11°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.07	−39 53.0	2.168	2.992	13.3	19.1
8 9	23 27.53	−41 46.6	2.122	2.985	12.2	19.0
8 19	23 21.50	−43 28.1	2.099	2.977	11.5	19.0
8 29	23 13.52	−44 48.1	2.098	2.970	11.7	19.0
9 8	23 4.54	−45 39.4	2.119	2.963	12.6	19.0
9 18	22 55.66	−45 58.1	2.161	2.955	14.0	19.1
9 28	22 48.04	−45 44.1	2.221	2.949	15.5	19.2
10 8	22 42.53	−45 0.6	2.298	2.942	16.9	19.3

319040 2005 VH_{71} 9 7.5 272°.68 2°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.58	− 9 21.0	2.297	3.126	12.6	22.3
8 9	23 24.16	−10 2.3	2.201	3.110	9.9	22.1
8 19	23 18.89	−10 52.4	2.127	3.094	6.7	21.9
8 29	23 12.16	−11 47.0	2.080	3.078	3.4	21.7
9 8	23 4.61	−12 41.0	2.059	3.062	2.3	21.6
9 18	22 56.99	−13 28.8	2.068	3.046	5.3	21.7
9 28	22 50.11	−14 5.8	2.103	3.029	8.7	21.9
10 8	22 44.68	−14 28.8	2.163	3.013	11.8	22.1

296562 2009 QJ_{34} 9 7.5 236°.25 3°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.34	+10 18.5	2.506	3.249	13.9	20.6
8 9	23 22.21	+10 10.0	2.406	3.244	11.7	20.5
8 19	23 17.44	+ 9 43.7	2.326	3.238	9.2	20.3
8 29	23 11.40	+ 8 59.6	2.269	3.232	6.4	20.1
9 8	23 4.66	+ 7 59.9	2.239	3.226	4.2	20.0
9 18	22 57.87	+ 6 48.7	2.236	3.220	4.4	20.0
9 28	22 51.75	+ 5 31.5	2.263	3.214	6.7	20.1
10 8	22 46.91	+ 4 14.5	2.316	3.208	9.5	20.3

431830 2008 *SW* 9 7.5 347°.37 9°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 37.89	−26 6.9	1.367	2.227	17.8	20.1
8 9	23 33.60	−26 49.1	1.305	2.221	14.7	19.9
8 19	23 26.00	−27 25.8	1.262	2.216	11.6	19.7
8 29	23 15.84	−27 46.6	1.240	2.211	9.5	19.6
9 8	23 4.44	−27 42.1	1.241	2.208	9.8	19.6
9 18	22 53.38	−27 7.8	1.266	2.205	12.3	19.8
9 28	22 44.19	−26 3.7	1.313	2.203	15.6	20.0
10 8	22 37.88	−24 34.7	1.380	2.201	18.8	20.2

65031 2002 AS_{111} 9 7.5 62°.21 5°.9/ 1.9 18

7 30	23 30.85	−15 3.8	1.506	2.364	16.5	18.4
8 9	23 27.24	−16 50.3	1.469	2.393	12.8	18.3
8 19	23 21.12	−18 41.9	1.453	2.422	8.9	18.1
8 29	23 13.22	−20 27.9	1.462	2.451	6.2	18.1
9 8	23 4.58	−21 57.8	1.497	2.481	6.5	18.1
9 18	22 56.36	−23 3.9	1.558	2.510	9.4	18.4
9 28	22 49.61	−23 42.6	1.643	2.539	12.6	18.6
10 8	22 45.06	−23 54.4	1.748	2.567	15.5	18.9

516962 2012 DL_{71} 9 7.5 151°.10 3°.5/11.2 18

7 30	23 29.95	+ 5 53.3	2.455	3.214	13.8	21.6
8 9	23 25.78	+ 6 17.7	2.363	3.215	11.4	21.4
8 19	23 19.86	+ 6 28.5	2.292	3.216	8.7	21.2
8 29	23 12.60	+ 6 25.8	2.246	3.217	5.9	21.1
9 8	23 4.62	+ 6 11.0	2.226	3.218	3.7	20.9
9 18	22 56.62	+ 5 46.6	2.235	3.219	4.3	21.0
9 28	22 49.37	+ 5 16.7	2.272	3.220	6.8	21.1
10 8	22 43.52	+ 4 45.9	2.335	3.221	9.6	21.3

238164 2003 SX_{121} 9 7.5 330°.37 1°.8/ 9.1 18

7 30	23 26.68	+ 1 13.8	1.615	2.432	17.5	20.4
8 9	23 24.19	+ 1 3.4	1.530	2.426	14.2	20.2
8 19	23 19.30	+ 0 33.9	1.464	2.419	10.2	19.9
8 29	23 12.50	− 0 12.9	1.420	2.413	5.8	19.6
9 8	23 4.62	− 1 12.1	1.402	2.407	1.9	19.4
9 18	22 56.70	− 2 16.9	1.409	2.402	4.8	19.6
9 28	22 49.85	− 3 19.4	1.442	2.397	9.3	19.8
10 8	22 44.98	− 4 12.4	1.498	2.393	13.5	20.1

57140 Gaddi 9 7.5 327°.20 1°.1/ 8.3 18

7 30	23 24.30	− 0 40.7	1.289	2.135	19.5	19.0
8 9	23 23.00	− 0 53.6	1.204	2.118	15.8	18.7
8 19	23 18.91	− 1 28.4	1.136	2.102	11.3	18.4
8 29	23 12.47	− 2 22.9	1.089	2.087	6.0	18.1
9 8	23 4.62	− 3 30.9	1.065	2.072	1.1	17.7
9 18	22 56.59	− 4 43.5	1.064	2.058	5.7	18.0
9 28	22 49.80	− 5 50.3	1.087	2.046	11.3	18.2
10 8	22 45.39	− 6 42.8	1.131	2.034	16.2	18.5

486168 2012 XB_{152} 9 7.5 327°.71 8°.1/30.4 18

7 30	23 20.81	−16 55.8	1.298	2.184	16.9	20.0
8 9	23 20.42	−18 54.3	1.217	2.156	13.5	19.7
8 19	23 17.24	−21 6.6	1.156	2.130	10.1	19.4
8 29	23 11.69	−23 20.4	1.119	2.105	8.1	19.2
9 8	23 4.65	−25 20.7	1.104	2.081	9.4	19.2
9 18	22 57.41	−26 53.7	1.112	2.058	12.9	19.4
9 28	22 51.39	−27 50.1	1.141	2.036	17.0	19.5
10 8	22 47.81	−28 7.7	1.187	2.016	20.8	19.7

103969 2000 DB_{80} 9 7.5 208°.94 1°.3/ 6.4 18

7 30	23 32.99	− 6 46.4	1.840	2.663	15.4	20.3
8 9	23 28.82	− 7 15.3	1.754	2.659	12.2	20.1
8 19	23 22.30	− 7 55.9	1.690	2.654	8.3	19.8
8 29	23 13.94	− 8 44.0	1.650	2.649	4.1	19.6
9 8	23 4.56	− 9 33.5	1.638	2.644	1.5	19.4
9 18	22 55.17	−10 18.3	1.653	2.637	5.5	19.6
9 28	22 46.85	−10 52.6	1.694	2.631	9.7	19.9
10 8	22 40.45	−11 12.9	1.760	2.624	13.4	20.1

514861 2008 FC_{127} 9 7.5 101°.45 4°.5/13.6 18

7 30	23 25.91	+12 51.3	2.435	3.163	14.6	21.6
8 9	23 22.60	+12 37.6	2.352	3.176	12.4	21.4
8 19	23 17.65	+12 4.2	2.287	3.188	9.8	21.3
8 29	23 11.48	+11 11.3	2.246	3.201	7.1	21.1
9 8	23 4.69	+10 1.6	2.231	3.213	4.9	21.0
9 18	22 57.97	+ 8 39.7	2.244	3.225	4.7	21.0
9 28	22 52.02	+ 7 11.6	2.286	3.236	6.7	21.2
10 8	22 47.41	+ 5 44.0	2.355	3.248	9.3	21.3

158768 2003 SQ_{45} 9 7.5 330°.11 3°.3/ 4.3 18

7 30	23 27.86	−13 20.1	1.994	2.838	13.6	19.9
8 9	23 24.63	−13 54.6	1.910	2.827	10.7	19.7
8 19	23 19.33	−14 35.1	1.848	2.817	7.3	19.5
8 29	23 12.42	−15 16.4	1.811	2.808	4.2	19.3
9 8	23 4.65	−15 52.6	1.801	2.798	3.6	19.3
9 18	22 56.88	−16 18.5	1.818	2.789	6.5	19.4
9 28	22 50.04	−16 30.0	1.860	2.781	9.9	19.6
10 8	22 44.91	−16 25.4	1.925	2.773	13.1	19.8

521758 2015 RU_{275} 9 7.5 31°.74 0°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.56	− 4 47.7	1.855	2.683	15.1	21.1
8 9	23 24.37	− 5 9.6	1.785	2.691	11.9	20.9
8 19	23 19.09	− 5 43.7	1.735	2.699	8.1	20.7
8 29	23 12.26	− 6 26.2	1.709	2.708	4.0	20.5
9 8	23 4.66	− 7 11.9	1.709	2.717	0.6	20.2
9 18	22 57.18	− 7 54.9	1.737	2.726	4.7	20.6
9 28	22 50.73	− 8 30.1	1.791	2.736	8.7	20.8
10 8	22 46.02	− 8 53.6	1.869	2.746	12.1	21.1

102728 1999 VS_{101} 9 7.5 279°.58 1°.3/ 8.7 18

7 30	23 28.36	+ 0 7.6	1.842	2.651	16.0	20.1
8 9	23 25.20	− 0 6.1	1.753	2.644	12.9	19.9
8 19	23 19.83	− 0 36.2	1.683	2.638	9.2	19.7
8 29	23 12.72	− 1 20.5	1.637	2.631	5.0	19.4
9 8	23 4.63	− 2 14.5	1.618	2.624	1.3	19.1
9 18	22 56.50	− 3 12.4	1.625	2.617	4.4	19.3
9 28	22 49.32	− 4 7.3	1.659	2.611	8.7	19.6
10 8	22 43.93	− 4 53.4	1.718	2.604	12.5	19.8

199500 2006 DD_{103} 9 7.5 68°.30 0°.5/ 7.1 18

7 30	23 30.80	− 4 57.0	1.729	2.556	16.1	20.6
8 9	23 27.13	− 5 15.4	1.654	2.559	12.7	20.4
8 19	23 21.13	− 5 46.7	1.599	2.563	8.7	20.2
8 29	23 13.34	− 6 27.0	1.567	2.566	4.3	19.9
9 8	23 4.62	− 7 10.9	1.562	2.570	0.6	19.6
9 18	22 55.98	− 7 52.2	1.584	2.573	5.1	20.0
9 28	22 48.49	− 8 25.3	1.632	2.577	9.4	20.2
10 8	22 42.96	− 8 46.2	1.704	2.580	13.1	20.5

234754 2002 OY_{4} 9 7.5 34°.80 2°.2/ 9.8 16

7 30	23 23.72	+ 5 13.6	1.465	2.279	19.1	20.3
8 9	23 21.87	+ 4 27.1	1.401	2.292	15.5	20.1
8 19	23 17.64	+ 3 14.4	1.355	2.307	11.2	19.9
8 29	23 11.61	+ 1 39.2	1.332	2.322	6.5	19.6
9 8	23 4.70	− 0 10.7	1.333	2.338	2.4	19.4
9 18	22 57.96	− 2 4.8	1.360	2.354	4.7	19.6
9 28	22 52.44	− 3 52.2	1.413	2.371	9.2	19.9
10 8	22 48.93	− 5 23.9	1.490	2.389	13.3	20.2

218462 2004 RO_{310} 9 7.5 348°.94 2°.1/ 5.6 18

7 30	23 31.12	−11 10.5	2.060	2.891	13.7	19.5
8 9	23 27.01	−11 24.1	1.980	2.889	10.7	19.3
8 19	23 20.86	−11 43.6	1.921	2.887	7.3	19.1
8 29	23 13.14	−12 5.1	1.888	2.886	3.8	18.8
9 8	23 4.63	−12 23.9	1.881	2.884	2.3	18.7
9 18	22 56.19	−12 35.8	1.903	2.883	5.4	18.9
9 28	22 48.72	−12 37.4	1.952	2.882	9.0	19.2
10 8	22 42.96	−12 26.9	2.024	2.882	12.2	19.4

353589 2011 TM_{3} 9 7.5 306°.47 1°.2/ 6.3 18

7 30	23 26.45	− 5 17.8	1.919	2.748	14.7	20.5
8 9	23 23.57	− 6 4.1	1.835	2.743	11.5	20.3
8 19	23 18.64	− 7 4.0	1.772	2.738	7.8	20.1
8 29	23 12.10	− 8 12.9	1.734	2.733	3.8	19.8
9 8	23 4.68	− 9 24.6	1.722	2.728	1.4	19.6
9 18	22 57.25	−10 32.0	1.739	2.724	5.2	19.9
9 28	22 50.75	−11 28.6	1.781	2.719	9.2	20.1
10 8	22 45.92	−12 10.2	1.848	2.715	12.7	20.4

23864 1998 RP_{64} 9 7.5 325°.35 2°.5/10.9 18

7 30	23 22.93	+ 7 57.8	2.173	2.945	15.0	18.2
8 9	23 20.59	+ 7 5.0	2.076	2.939	12.4	18.0
8 19	23 16.48	+ 5 49.9	2.000	2.934	9.2	17.8
8 29	23 10.99	+ 4 14.4	1.947	2.928	5.8	17.5
9 8	23 4.73	+ 2 23.2	1.922	2.923	2.8	17.3
9 18	22 58.45	+ 0 23.7	1.926	2.918	3.9	17.4
9 28	22 52.92	− 1 35.5	1.959	2.914	7.3	17.6
10 8	22 48.81	− 3 26.3	2.018	2.909	10.7	17.8

494343 2016 TC_{47} 9 7.5 14°.58 1°.1/ 6.8 16

7 30	23 28.14	− 6 51.5	1.288	2.145	18.8	20.9
8 9	23 25.72	− 7 0.3	1.227	2.150	14.8	20.6
8 19	23 20.48	− 7 22.6	1.184	2.156	10.1	20.4
8 29	23 13.09	− 7 53.6	1.163	2.164	4.9	20.1
9 8	23 4.64	− 8 26.7	1.165	2.172	1.3	19.9
9 18	22 56.39	− 8 54.8	1.192	2.182	6.2	20.3
9 28	22 49.64	− 9 11.8	1.242	2.193	11.1	20.6
10 8	22 45.30	− 9 14.2	1.314	2.204	15.3	20.9

62304 2000 SM_{117} 9 7.5 18°.42 2°.7/ 5.4 18

7 30	23 28.47	− 9 8.8	1.372	2.229	17.9	18.8
8 9	23 25.86	− 9 47.9	1.309	2.233	14.0	18.5
8 19	23 20.54	−10 39.4	1.264	2.238	9.5	18.3
8 29	23 13.11	−11 36.8	1.243	2.243	4.8	18.0
9 8	23 4.64	−12 31.6	1.245	2.249	3.1	17.9
9 18	22 56.34	−13 15.7	1.273	2.255	7.1	18.2
9 28	22 49.45	−13 43.0	1.324	2.263	11.6	18.5
10 8	22 44.89	−13 50.6	1.397	2.270	15.6	18.8

279765 1999 RH_2 9 7.5 5°.03 0°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.64	− 2 54.6	1.297	2.148	19.1	20.3
8 9	23 23.02	− 3 18.8	1.229	2.148	15.1	20.0
8 19	23 18.70	− 4 2.4	1.179	2.148	10.5	19.8
8 29	23 12.26	− 5 0.9	1.151	2.150	5.2	19.5
9 8	23 4.68	− 6 6.7	1.146	2.153	0.3	19.1
9 18	22 57.20	− 7 10.8	1.165	2.157	5.8	19.6
9 28	22 51.07	− 8 4.6	1.208	2.162	10.9	19.9
10 8	22 47.24	− 8 41.7	1.272	2.168	15.3	20.1

273810 2007 FL_{32} 9 7.5 100°.90 0°.8/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.30	+ 0 4.3	1.819	2.625	16.2	21.7
8 9	23 26.50	− 0 28.9	1.750	2.641	12.9	21.5
8 19	23 20.55	− 1 18.9	1.702	2.657	9.0	21.3
8 29	23 12.99	− 2 22.2	1.678	2.673	4.8	21.1
9 8	23 4.65	− 3 32.9	1.681	2.688	0.8	20.8
9 18	22 56.48	− 4 44.1	1.712	2.703	4.4	21.1
9 28	22 49.42	− 5 48.9	1.770	2.718	8.5	21.4
10 8	22 44.19	− 6 41.8	1.852	2.732	12.1	21.6

256669 2007 XN_{53} 9 7.5 255°.43 1°.4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.53	− 6 8.9	1.517	2.355	17.5	21.4
8 9	23 28.22	− 6 39.9	1.435	2.348	13.8	21.1
8 19	23 22.20	− 7 25.8	1.373	2.341	9.5	20.9
8 29	23 14.02	− 8 21.8	1.334	2.334	4.6	20.6
9 8	23 4.60	− 9 20.6	1.321	2.327	1.6	20.3
9 18	22 55.15	−10 14.2	1.333	2.320	6.2	20.6
9 28	22 46.95	−10 55.4	1.370	2.312	11.0	20.9
10 8	22 41.01	−11 19.6	1.430	2.305	15.3	21.1

137944 2000 BC_{49} 9 7.5 170°.35 0°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.82	− 1 57.4	1.929	2.734	15.5	21.4
8 9	23 28.49	− 2 17.3	1.846	2.737	12.4	21.2
8 19	23 21.97	− 2 51.4	1.784	2.740	8.6	20.9
8 29	23 13.75	− 3 36.8	1.747	2.743	4.5	20.7
9 8	23 4.62	− 4 28.5	1.737	2.745	0.5	20.4
9 18	22 55.54	− 5 20.8	1.755	2.746	4.4	20.7
9 28	22 47.49	− 6 7.6	1.801	2.746	8.6	21.0
10 8	22 41.26	− 6 44.4	1.872	2.747	12.2	21.2

254366 2004 TL_{94} 9 7.5 255°.07 0°.3/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.09	− 2 36.7	2.503	3.306	12.4	21.9
8 9	23 23.58	− 2 58.5	2.404	3.295	9.9	21.7
8 19	23 18.40	− 3 31.5	2.327	3.283	6.9	21.5
8 29	23 11.92	− 4 13.2	2.276	3.271	3.5	21.3
9 8	23 4.71	− 4 59.8	2.252	3.260	0.3	21.0
9 18	22 57.45	− 5 47.2	2.258	3.247	3.7	21.3
9 28	22 50.85	− 6 30.5	2.291	3.235	7.1	21.5
10 8	22 45.55	− 7 6.0	2.351	3.223	10.2	21.7

146017 2000 CX_{120} 9 7.5 322°.41 1°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.27	− 2 16.4	1.340	2.179	19.2	19.9
8 9	23 26.82	− 2 11.8	1.258	2.168	15.5	19.6
8 19	23 21.48	− 2 24.7	1.193	2.157	11.0	19.3
8 29	23 13.75	− 2 52.9	1.149	2.146	5.9	19.0
9 8	23 4.62	− 3 31.3	1.129	2.136	1.1	18.7
9 18	22 55.38	− 4 13.0	1.134	2.127	5.6	19.0
9 28	22 47.46	− 4 50.1	1.162	2.118	11.0	19.2
10 8	22 41.97	− 5 16.1	1.212	2.110	15.8	19.5

91893 1999 VP_4 9 7.5 58°.20 5°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.67	−19 57.3	2.099	2.943	13.0	18.5
8 9	23 26.62	−20 50.2	2.036	2.949	10.3	18.4
8 19	23 20.54	−21 43.8	1.995	2.956	7.5	18.2
8 29	23 12.96	−22 31.6	1.980	2.962	5.6	18.1
9 8	23 4.68	−23 7.3	1.992	2.969	5.8	18.1
9 18	22 56.56	−23 26.4	2.031	2.976	8.0	18.3
9 28	22 49.49	−23 26.7	2.094	2.982	10.7	18.5
10 8	22 44.15	−23 8.2	2.181	2.989	13.2	18.6

223173 2002 YG_{21} 9 7.6 323°.52 4°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.98	+ 5 33.4	1.405	2.213	20.1	19.9
8 9	23 25.70	+ 6 1.2	1.319	2.203	16.8	19.6
8 19	23 20.67	+ 6 7.0	1.251	2.193	12.8	19.3
8 29	23 13.35	+ 5 49.4	1.202	2.183	8.5	19.1
9 8	23 4.66	+ 5 10.6	1.177	2.174	5.0	18.9
9 18	22 55.82	+ 4 15.9	1.175	2.166	6.1	18.9
9 28	22 48.19	+ 3 13.9	1.198	2.158	10.3	19.1
10 8	22 42.88	+ 2 14.0	1.243	2.151	14.7	19.4

472229 2014 FD_{66} 9 7.6 259°.14 4°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.19	+10 37.4	2.008	2.764	16.5	21.0
8 9	23 23.39	+10 26.5	1.909	2.756	14.0	20.8
8 19	23 18.56	+ 9 52.9	1.829	2.747	10.9	20.6
8 29	23 12.11	+ 8 56.4	1.772	2.739	7.6	20.4
9 8	23 4.73	+ 7 39.7	1.740	2.730	4.9	20.2
9 18	22 57.26	+ 6 8.1	1.734	2.721	5.1	20.2
9 28	22 50.62	+ 4 29.6	1.757	2.712	8.0	20.4
10 8	22 45.61	+ 2 52.8	1.805	2.702	11.4	20.5

144859 2004 LG_{10} 9 7.6 213°.25 1°.4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.43	− 6 19.2	1.838	2.663	15.4	20.9
8 9	23 27.62	− 6 58.8	1.753	2.658	12.1	20.7
8 19	23 21.52	− 7 51.3	1.688	2.653	8.3	20.4
8 29	23 13.59	− 8 52.1	1.648	2.648	4.0	20.2
9 8	23 4.67	− 9 54.7	1.636	2.641	1.6	20.0
9 18	22 55.72	−10 52.2	1.651	2.635	5.6	20.2
9 28	22 47.80	−11 38.3	1.692	2.628	9.7	20.5
10 8	22 41.76	−12 9.1	1.758	2.621	13.5	20.7

99707 2002 JY_{38} 9 7.6 359°.89 5°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.78	+10 44.2	2.102	2.855	16.0	19.2
8 9	23 22.90	+11 1.8	2.013	2.855	13.6	19.0
8 19	23 18.11	+11 0.0	1.943	2.854	10.7	18.8
8 29	23 11.84	+10 38.2	1.894	2.854	7.8	18.6
9 8	23 4.75	+ 9 57.8	1.871	2.854	5.5	18.5
9 18	22 57.63	+ 9 2.5	1.874	2.854	5.4	18.5
9 28	22 51.34	+ 7 58.4	1.904	2.855	7.7	18.6
10 8	22 46.60	+ 6 52.1	1.959	2.856	10.6	18.8

75271 1999 XE_{16} 9 7.6 205°.17 4°.4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.05	−14 56.4	1.921	2.758	14.3	19.6
8 9	23 29.61	−15 55.0	1.842	2.754	11.3	19.4
8 19	23 22.84	−16 59.8	1.784	2.749	7.9	19.2
8 29	23 14.23	−18 4.1	1.752	2.743	5.0	19.0
9 8	23 4.64	−19 0.1	1.747	2.737	4.9	19.0
9 18	22 55.07	−19 41.5	1.769	2.730	7.7	19.2
9 28	22 46.59	−20 3.8	1.817	2.722	11.1	19.4
10 8	22 40.04	−20 5.9	1.889	2.714	14.3	19.6

135572 2002 GJ_{34} 9 7.6 97°.69 4°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.08	−14 15.1	1.460	2.310	17.4	20.1
8 9	23 31.59	−15 11.3	1.406	2.325	13.6	19.9
8 19	23 24.29	−16 14.2	1.372	2.341	9.4	19.7
8 29	23 14.92	−17 15.3	1.361	2.356	5.7	19.5
9 8	23 4.61	−18 5.5	1.376	2.370	5.2	19.5
9 18	22 54.66	−18 38.0	1.417	2.385	8.5	19.7
9 28	22 46.30	−18 48.8	1.482	2.399	12.3	20.0
10 8	22 40.41	−18 37.9	1.569	2.412	15.8	20.3

349323 2007 UG_{123} 9 7.6 275°.81 4°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.10	−16 58.0	1.952	2.795	13.9	21.2
8 9	23 28.12	−17 43.4	1.867	2.781	11.0	21.0
8 19	23 21.85	−18 32.8	1.803	2.767	7.9	20.7
8 29	23 13.76	−19 19.9	1.764	2.753	5.2	20.6
9 8	23 4.67	−19 57.8	1.752	2.739	5.2	20.5
9 18	22 55.56	−20 20.7	1.766	2.725	7.9	20.7
9 28	22 47.46	−20 25.0	1.806	2.711	11.2	20.8
10 8	22 41.24	−20 9.7	1.869	2.696	14.3	21.0

347072 2010 FF_{87} 9 7.6 77°.54 5°.0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.63	−16 59.5	1.799	2.645	14.8	20.0
8 9	23 28.43	−17 52.1	1.740	2.657	11.6	19.8
8 19	23 21.91	−18 47.9	1.702	2.668	8.2	19.7
8 29	23 13.69	−19 39.6	1.690	2.679	5.5	19.5
9 8	23 4.68	−20 20.2	1.704	2.690	5.4	19.5
9 18	22 55.91	−20 44.2	1.744	2.702	8.0	19.7
9 28	22 48.40	−20 48.6	1.809	2.713	11.2	19.9
10 8	22 42.88	−20 33.6	1.897	2.724	14.2	20.2

350051 2010 PH_{25} 9 7.6 241°.00 1°.9/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.11	−14 39.5	4.583	5.407	6.8	21.0
8 9	23 18.10	−15 13.3	4.496	5.402	5.3	20.9
8 19	23 14.22	−15 49.1	4.434	5.397	3.6	20.7
8 29	23 9.71	−16 24.5	4.400	5.392	2.2	20.6
9 8	23 4.87	−16 57.1	4.395	5.387	2.1	20.6
9 18	23 0.04	−17 24.9	4.420	5.382	3.4	20.7
9 28	22 55.57	−17 45.8	4.474	5.376	5.1	20.8
10 8	22 51.76	−17 58.8	4.554	5.371	6.7	20.9

87595 2000 RM_{30} 9 7.6 165°.52 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.41	+ 2 17.0	2.046	2.824	15.6	18.4
8 9	23 30.43	+ 2 40.4	1.959	2.828	12.8	18.2
8 19	23 23.27	+ 2 50.1	1.893	2.831	9.4	18.0
8 29	23 14.42	+ 2 46.5	1.851	2.834	5.8	17.8
9 8	23 4.66	+ 2 31.9	1.836	2.836	2.9	17.6
9 18	22 54.91	+ 2 9.4	1.849	2.838	4.4	17.7
9 28	22 46.16	+ 1 43.9	1.891	2.840	8.0	17.9
10 8	22 39.19	+ 1 20.1	1.958	2.841	11.4	18.1

517453 2014 OA_{270} 9 7.6 54°.93 5°.8/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.15	−21 40.5	2.241	3.087	12.3	21.1
8 9	23 25.36	−22 43.1	2.180	3.092	9.8	21.0
8 19	23 19.65	−23 45.4	2.142	3.098	7.4	20.8
8 29	23 12.54	−24 40.9	2.129	3.104	5.9	20.8
9 8	23 4.76	−25 23.4	2.143	3.110	6.3	20.8
9 18	22 57.11	−25 48.5	2.183	3.116	8.2	20.9
9 28	22 50.43	−25 53.9	2.249	3.122	10.6	21.1
10 8	22 45.36	−25 39.9	2.336	3.128	12.9	21.3

392098 2009 DA_{130} 9 7.6 163°.56 0°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.86	− 0 29.2	2.123	2.925	14.3	21.3
8 9	23 24.43	− 0 56.3	2.038	2.927	11.4	21.1
8 19	23 19.10	− 1 37.9	1.974	2.929	8.0	20.9
8 29	23 12.32	− 2 31.2	1.936	2.930	4.3	20.6
9 8	23 4.77	− 3 31.6	1.924	2.931	0.8	20.4
9 18	22 57.24	− 4 33.6	1.941	2.932	4.0	20.6
9 28	22 50.56	− 5 31.2	1.985	2.933	7.7	20.9
10 8	22 45.43	− 6 19.5	2.055	2.934	11.1	21.1

447127 2004 VC_{38} 9 7.6 249°.26 4°.1/ 2.5 18

7 30	23 29.54	−18 1.9	2.681	3.514	10.9	21.6
8 9	23 25.44	−18 50.0	2.591	3.500	8.6	21.4
8 19	23 19.65	−19 40.4	2.525	3.485	6.2	21.2
8 29	23 12.56	−20 28.4	2.485	3.470	4.3	21.1
9 8	23 4.76	−21 8.7	2.474	3.455	4.5	21.1
9 18	22 56.92	−21 37.2	2.490	3.440	6.5	21.2
9 28	22 49.80	−21 51.0	2.534	3.424	9.0	21.3
10 8	22 44.00	−21 49.0	2.602	3.408	11.4	21.4

141222 2001 XM_{225} 9 7.6 253°.50 0°.7/ 6.9 18

7 30	23 28.58	− 5 28.9	2.219	3.036	13.3	20.7
8 9	23 24.98	− 5 54.8	2.127	3.028	10.5	20.5
8 19	23 19.49	− 6 31.4	2.057	3.019	7.2	20.3
8 29	23 12.53	− 7 15.3	2.012	3.011	3.5	20.1
9 8	23 4.76	− 8 1.9	1.995	3.002	0.8	19.8
9 18	22 56.95	− 8 46.2	2.006	2.993	4.4	20.1
9 28	22 49.95	− 9 23.4	2.045	2.984	8.1	20.3
10 8	22 44.45	− 9 49.7	2.109	2.975	11.4	20.5

2418 Voskovec–Werich 9 7.6 294°.02 0°.5/ 7.1 18

7 30	23 27.23	− 5 5.3	2.221	3.039	13.3	17.7
8 9	23 23.98	− 5 27.5	2.122	3.023	10.5	17.5
8 19	23 18.85	− 6 0.5	2.045	3.007	7.3	17.3
8 29	23 12.24	− 6 41.5	1.993	2.992	3.6	17.0
9 8	23 4.78	− 7 25.9	1.969	2.976	0.6	16.8
9 18	22 57.23	− 8 9.0	1.973	2.961	4.3	17.0
9 28	22 50.43	− 8 45.6	2.004	2.945	8.1	17.2
10 8	22 45.10	− 9 12.1	2.060	2.930	11.5	17.4

11949 Kagayayutaka 9 7.6 247°.93 2°.7/10.9 18

7 30	23 26.62	+ 6 1.1	2.652	3.412	12.8	17.3
8 9	23 23.18	+ 5 53.5	2.544	3.399	10.6	17.2
8 19	23 18.13	+ 5 31.2	2.457	3.386	8.0	17.0
8 29	23 11.84	+ 4 54.8	2.395	3.372	5.2	16.8
9 8	23 4.82	+ 4 6.7	2.361	3.358	2.9	16.6
9 18	22 57.70	+ 3 10.5	2.355	3.343	3.7	16.6
9 28	22 51.19	+ 2 10.8	2.377	3.329	6.4	16.8
10 8	22 45.90	+ 1 13.0	2.427	3.314	9.3	16.9

261281 2005 UL_{142} 9 7.6 275°.52 5°.8/31.2 18

7 30	23 30.37	−21 54.1	2.454	3.293	11.6	21.2
8 9	23 26.47	−23 5.6	2.357	3.265	9.3	21.1
8 19	23 20.60	−24 19.3	2.283	3.236	7.2	20.9
8 29	23 13.15	−25 28.4	2.235	3.207	5.9	20.7
9 8	23 4.75	−26 26.2	2.215	3.178	6.4	20.7
9 18	22 56.21	−27 7.1	2.222	3.148	8.5	20.8
9 28	22 48.39	−27 27.5	2.255	3.117	11.0	20.9
10 8	22 42.07	−27 26.4	2.310	3.087	13.5	21.0

263644 2008 GW_{79} 9 7.6 107°.52 0°.8/ 6.6 18

7 30	23 27.81	− 5 45.5	2.307	3.123	12.9	21.3
8 9	23 24.18	− 6 19.3	2.230	3.131	10.1	21.2
8 19	23 18.80	− 7 2.9	2.175	3.137	6.9	21.0
8 29	23 12.13	− 7 52.9	2.146	3.144	3.3	20.8
9 8	23 4.82	− 8 44.3	2.145	3.151	1.0	20.6
9 18	22 57.57	− 9 32.2	2.172	3.158	4.3	20.9
9 28	22 51.14	−10 12.2	2.227	3.164	7.7	21.1
10 8	22 46.15	−10 41.0	2.308	3.171	10.7	21.3

123626 2000 YY_{40} 9 7.6 289°.86 0°.9/ 6.7 18

7 30	23 27.16	− 5 40.8	2.152	2.974	13.5	19.9
8 9	23 24.01	− 6 11.1	2.054	2.957	10.7	19.7
8 19	23 18.93	− 6 52.8	1.977	2.941	7.3	19.5
8 29	23 12.31	− 7 42.6	1.925	2.924	3.6	19.2
9 8	23 4.80	− 8 35.4	1.901	2.907	1.0	19.0
9 18	22 57.20	− 9 25.7	1.904	2.891	4.7	19.2
9 28	22 50.36	−10 8.2	1.935	2.874	8.5	19.4
10 8	22 45.04	−10 38.8	1.990	2.858	11.9	19.6

343404 2010 CC_{172} 9 7.6 112°.51 0°.3/ 7.3 17

7 30	23 32.36	− 4 28.8	2.000	2.812	14.8	21.8
8 9	23 27.93	− 4 51.7	1.930	2.826	11.6	21.6
8 19	23 21.46	− 5 26.1	1.881	2.841	8.0	21.4
8 29	23 13.47	− 6 8.4	1.857	2.855	3.9	21.2
9 8	23 4.76	− 6 53.6	1.861	2.869	0.4	20.9
9 18	22 56.21	− 7 36.3	1.894	2.882	4.5	21.3
9 28	22 48.71	− 8 11.7	1.954	2.895	8.3	21.5
10 8	22 42.95	− 8 36.2	2.039	2.907	11.6	21.8

195359 2002 FJ_{10} 9 7.6 202°.28 0°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.02	− 0 5.8	2.199	2.996	14.1	20.6
8 9	23 25.34	− 0 43.6	2.107	2.992	11.3	20.4
8 19	23 19.75	− 1 36.7	2.035	2.988	7.9	20.2
8 29	23 12.69	− 2 42.3	1.989	2.983	4.2	19.9
9 8	23 4.80	− 3 55.5	1.971	2.978	0.6	19.7
9 18	22 56.87	− 5 10.2	1.981	2.972	4.0	19.9
9 28	22 49.75	− 6 20.2	2.020	2.965	7.8	20.1
10 8	22 44.15	− 7 19.9	2.085	2.958	11.2	20.3

393177 2013 CW_{70} 9 7.6 240°.24 0°.9/ 9.6 16

7 30	23 19.97	+ 1 31.8	5.013	5.779	7.1	22.4
8 9	23 17.16	+ 1 15.9	4.905	5.770	5.7	22.3
8 19	23 13.57	+ 0 53.3	4.821	5.760	4.1	22.2
8 29	23 9.41	+ 0 25.2	4.765	5.751	2.4	22.1
9 8	23 4.96	− 0 6.9	4.738	5.741	1.0	21.9
9 18	23 0.48	− 0 41.2	4.740	5.731	1.8	22.0
9 28	22 56.30	− 1 15.7	4.773	5.721	3.6	22.1
10 8	22 52.69	− 1 48.4	4.835	5.711	5.2	22.2

150312 1999 UR_{28} 9 7.6 257°.52 0°.9/ 6.5 18

7 30	23 27.82	− 6 21.8	2.260	3.079	13.0	21.1
8 9	23 24.30	− 6 51.0	2.174	3.077	10.2	20.9
8 19	23 18.98	− 7 30.0	2.111	3.075	7.0	20.7
8 29	23 12.27	− 8 15.2	2.074	3.073	3.4	20.5
9 8	23 4.83	− 9 1.9	2.064	3.070	1.1	20.3
9 18	22 57.41	− 9 45.3	2.082	3.068	4.5	20.5
9 28	22 50.79	−10 20.7	2.128	3.066	8.0	20.7
10 8	22 45.63	−10 44.8	2.199	3.063	11.1	20.9

351168 2004 BE_5 9 7.6 322°.74 5°.4/10.6 17

7 30	23 30.92	+ 3 38.2	1.490	2.297	19.2	20.5
8 9	23 28.17	+ 4 45.3	1.387	2.269	16.2	20.3
8 19	23 22.58	+ 5 38.7	1.301	2.242	12.5	20.0
8 29	23 14.49	+ 6 15.6	1.237	2.216	8.6	19.7
9 8	23 4.72	+ 6 35.2	1.195	2.190	5.6	19.4
9 18	22 54.50	+ 6 38.7	1.178	2.165	6.8	19.4
9 28	22 45.27	+ 6 30.2	1.186	2.142	10.8	19.6
10 8	22 38.31	+ 6 16.6	1.215	2.119	15.3	19.8

184683 2005 SL_{85} 9 7.6 120°.95 1°.9/ 9.8 18

7 30	23 25.88	+ 3 34.6	2.199	2.986	14.4	20.9
8 9	23 22.84	+ 3 7.6	2.112	2.987	11.7	20.7
8 19	23 18.00	+ 2 23.7	2.045	2.988	8.5	20.5
8 29	23 11.80	+ 1 25.0	2.002	2.990	5.0	20.3
9 8	23 4.86	+ 0 15.6	1.987	2.991	2.0	20.1
9 18	22 57.93	− 0 59.0	2.000	2.992	3.7	20.2
9 28	22 51.79	− 2 12.3	2.041	2.993	7.2	20.5
10 8	22 47.10	− 3 18.4	2.108	2.994	10.5	20.7

368478 2003 SV_{255} 9 7.6 352°.93 4°.3/10.9 18

7 30	23 18.28	+ 5 31.4	0.981	1.836	23.6	19.5
8 9	23 18.87	+ 5 38.3	0.913	1.827	19.6	19.2
8 19	23 16.40	+ 5 12.6	0.860	1.820	14.8	18.9
8 29	23 11.37	+ 4 13.7	0.824	1.814	9.4	18.6
9 8	23 4.87	+ 2 47.2	0.808	1.811	4.7	18.3
9 18	22 58.32	+ 1 4.2	0.813	1.809	6.3	18.4
9 28	22 53.31	− 0 40.1	0.839	1.809	11.7	18.7
10 8	22 51.00	− 2 11.5	0.884	1.811	17.0	19.0

185474 2007 BR_{74} 9 7.6 39°.13 1°.3/ 6.2 18

7 30	23 26.24	− 6 9.9	1.946	2.778	14.4	19.8
8 9	23 23.27	− 6 54.2	1.877	2.787	11.2	19.6
8 19	23 18.35	− 7 50.1	1.829	2.796	7.6	19.4
8 29	23 11.97	− 8 52.9	1.806	2.806	3.7	19.2
9 8	23 4.86	− 9 56.5	1.810	2.816	1.5	19.0
9 18	22 57.87	−10 54.4	1.841	2.826	5.0	19.3
9 28	22 51.83	−11 41.4	1.899	2.837	8.8	19.6
10 8	22 47.43	−12 13.9	1.981	2.848	12.0	19.8

482770 2013 GS_{75} 9 7.6 184°.65 7°.1/18.6 18

7 30	23 26.12	+23 34.1	2.725	3.364	15.0	21.7
8 9	23 22.82	+23 37.2	2.624	3.364	13.4	21.6
8 19	23 17.89	+23 18.4	2.539	3.364	11.5	21.5
8 29	23 11.72	+22 35.6	2.475	3.364	9.5	21.3
9 8	23 4.88	+21 29.3	2.435	3.363	7.9	21.2
9 18	22 58.02	+20 2.0	2.421	3.362	7.1	21.2
9 28	22 51.84	+18 19.1	2.435	3.360	7.7	21.2
10 8	22 46.95	+16 27.7	2.476	3.359	9.3	21.3

29445 1997 PH 9 7.6 344°.19 4°.0/ 4.9 18

7 30	23 31.14	−12 50.2	1.285	2.149	18.4	17.9
8 9	23 28.38	−13 14.4	1.214	2.142	14.6	17.6
8 19	23 22.58	−13 47.2	1.162	2.135	10.1	17.3
8 29	23 14.33	−14 21.6	1.131	2.130	5.6	17.1
9 8	23 4.76	−14 49.2	1.124	2.125	4.3	17.0
9 18	22 55.27	−15 2.8	1.141	2.121	8.2	17.2
9 28	22 47.32	−14 57.6	1.181	2.118	12.9	17.5
10 8	22 41.98	−14 32.3	1.242	2.115	17.2	17.7

318505 2005 EB_{155} 9 7.6 71°.59 1°.7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.00	+ 3 4.6	1.399	2.214	19.8	21.0
8 9	23 26.87	+ 2 25.1	1.341	2.235	15.9	20.8
8 19	23 21.12	+ 1 21.6	1.302	2.256	11.3	20.6
8 29	23 13.42	− 0 2.0	1.284	2.277	6.2	20.4
9 8	23 4.81	− 1 37.5	1.292	2.298	1.8	20.2
9 18	22 56.48	− 3 14.9	1.325	2.318	5.0	20.5
9 28	22 49.58	− 4 44.0	1.385	2.339	9.7	20.8
10 8	22 44.95	− 5 57.2	1.467	2.360	13.9	21.1

318419 2005 AB_{75} 9 7.6 97°.56 1°.6/ 6.1 18

7 30	23 29.09	− 6 44.0	1.841	2.672	15.1	21.0
8 9	23 25.69	− 7 27.1	1.767	2.676	11.8	20.8
8 19	23 20.13	− 8 22.2	1.713	2.680	8.0	20.6
8 29	23 12.91	− 9 24.5	1.684	2.684	3.9	20.3
9 8	23 4.84	−10 27.4	1.682	2.687	1.8	20.2
9 18	22 56.84	−11 24.2	1.707	2.691	5.5	20.5
9 28	22 49.89	−12 9.0	1.759	2.695	9.4	20.7
10 8	22 44.74	−12 38.2	1.834	2.698	12.9	20.9

361985 2008 LW_{13} 9 7.6 91°.45 0°.2/ 7.3 18

7 30	23 26.68	− 2 31.8	2.367	3.174	12.9	21.5
8 9	23 23.20	− 3 19.2	2.297	3.190	10.1	21.4
8 19	23 18.09	− 4 18.8	2.248	3.207	6.9	21.2
8 29	23 11.78	− 5 26.6	2.226	3.223	3.4	21.0
9 8	23 4.90	− 6 37.7	2.231	3.239	0.3	20.8
9 18	22 58.12	− 7 46.5	2.266	3.255	3.8	21.1
9 28	22 52.14	− 8 47.8	2.330	3.270	7.2	21.3
10 8	22 47.53	− 9 37.8	2.419	3.286	10.1	21.6

155745 2000 SO_{67} 9 7.6 26°.94 2°.0/ 6.1 18

7 30	23 31.75	− 8 55.8	1.472	2.319	17.5	19.5
8 9	23 28.30	− 9 15.9	1.405	2.323	13.7	19.3
8 19	23 22.18	− 9 46.9	1.358	2.328	9.3	19.0
8 29	23 14.01	−10 23.4	1.333	2.333	4.6	18.8
9 8	23 4.80	−10 58.6	1.333	2.338	2.3	18.6
9 18	22 55.76	−11 25.9	1.359	2.344	6.4	18.9
9 28	22 48.11	−11 40.3	1.410	2.351	10.9	19.2
10 8	22 42.74	−11 39.0	1.483	2.357	14.9	19.4

4579 Puccini 9 7.6 73°.15 1°.3/ 6.5 18

7 30	23 32.06	− 5 33.5	1.458	2.295	18.0	17.4
8 9	23 28.41	− 6 12.9	1.400	2.313	14.1	17.2
8 19	23 22.14	− 7 7.2	1.362	2.330	9.6	16.9
8 29	23 13.93	− 8 10.5	1.347	2.347	4.6	16.7
9 8	23 4.81	− 9 14.8	1.358	2.364	1.5	16.5
9 18	22 55.97	−10 12.1	1.395	2.382	6.0	16.9
9 28	22 48.57	−10 55.7	1.457	2.399	10.5	17.2
10 8	22 43.44	−11 22.0	1.541	2.416	14.4	17.5

426395 2013 PN_{32} 9 7.6 275°.73 2°.8/10.0 17

7 30	23 28.11	+ 4 16.3	1.526	2.333	18.8	21.4
8 9	23 25.60	+ 4 2.9	1.438	2.324	15.5	21.2
8 19	23 20.51	+ 3 26.1	1.367	2.315	11.4	20.9
8 29	23 13.30	+ 2 26.7	1.318	2.305	6.9	20.6
9 8	23 4.84	+ 1 9.4	1.293	2.296	3.0	20.4
9 18	22 56.26	− 0 17.9	1.294	2.287	5.1	20.5
9 28	22 48.79	− 1 45.3	1.320	2.277	9.8	20.7
10 8	22 43.45	− 3 3.5	1.370	2.268	14.3	21.0

461968 2006 UJ_{148} 9 7.6 54°.11 3°.6/ 5.4 17

7 30	23 36.66	−12 6.2	1.221	2.079	19.7	20.4
8 9	23 32.43	−12 30.6	1.173	2.097	15.3	20.2
8 19	23 25.07	−13 3.5	1.144	2.115	10.4	20.0
8 29	23 15.40	−13 37.3	1.136	2.134	5.5	19.8
9 8	23 4.76	−14 3.9	1.152	2.154	3.9	19.7
9 18	22 54.63	−14 16.8	1.193	2.173	7.8	20.0
9 28	22 46.38	−14 12.2	1.257	2.193	12.4	20.3
10 8	22 40.91	−13 49.6	1.343	2.213	16.4	20.6

180050 2003 BR_{21} 9 7.6 318°.09 19°.5/10.5 16

7 30	23 44.32	+14 13.3	0.985	1.763	28.7	19.5
8 9	23 41.06	+18 16.1	0.906	1.745	26.2	19.2
8 19	23 33.18	+22 12.3	0.841	1.727	23.4	18.9
8 29	23 20.66	+25 45.3	0.794	1.711	20.9	18.7
9 8	23 4.49	+28 35.6	0.765	1.695	19.6	18.6
9 18	22 46.78	+30 27.6	0.755	1.681	20.0	18.5
9 28	22 30.51	+31 17.3	0.763	1.667	22.1	18.6
10 8	22 18.34	+31 16.1	0.787	1.655	25.1	18.7

313022 1999 YR_{12} 9 7.6 302°.42 1°.9/11.0 15

7 30	23 21.91	+ 4 47.8	4.195	4.947	8.6	21.0
8 9	23 18.85	+ 4 50.0	4.086	4.936	7.1	20.8
8 19	23 14.84	+ 4 43.9	4.000	4.925	5.3	20.7
8 29	23 10.11	+ 4 30.0	3.939	4.914	3.4	20.6
9 8	23 5.00	+ 4 9.7	3.907	4.903	2.0	20.5
9 18	22 59.85	+ 3 44.7	3.905	4.892	2.5	20.5
9 28	22 55.06	+ 3 17.2	3.932	4.881	4.2	20.6
10 8	22 50.97	+ 2 49.9	3.987	4.870	6.1	20.7

67662 2000 SF_{268} 9 7.6 82°.74 2°.7/ 5.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.12	−10 2.0	1.695	2.532	15.9	19.2
8 9	23 28.85	−10 47.5	1.639	2.552	12.4	19.0
8 19	23 22.23	−11 42.0	1.604	2.572	8.3	18.9
8 29	23 13.91	−12 39.3	1.593	2.591	4.3	18.7
9 8	23 4.84	−13 32.1	1.609	2.611	3.0	18.6
9 18	22 56.04	−14 14.2	1.652	2.630	6.4	18.9
9 28	22 48.55	−14 41.0	1.721	2.649	10.2	19.1
10 8	22 43.11	−14 50.7	1.814	2.668	13.5	19.4

261838 2006 DD_{64} 9 7.6 169°.42 4°.3/ 2.1 18

7 30	23 28.74	−18 37.4	2.630	3.466	11.0	20.5
8 9	23 24.78	−19 32.5	2.558	3.468	8.6	20.3
8 19	23 19.17	−20 29.3	2.509	3.469	6.2	20.2
8 29	23 12.35	−21 22.5	2.487	3.470	4.5	20.1
9 8	23 4.91	−22 7.0	2.493	3.472	4.7	20.1
9 18	22 57.54	−22 38.7	2.528	3.472	6.6	20.2
9 28	22 50.94	−22 54.9	2.588	3.473	9.0	20.4
10 8	22 45.68	−22 54.9	2.673	3.474	11.2	20.5

176079 2000 XO_{21} 9 7.6 310°.17 1°.0/ 8.2 18

7 30	23 33.87	− 4 5.5	1.304	2.143	19.7	20.1
8 9	23 30.68	− 3 41.3	1.219	2.129	15.9	19.8
8 19	23 24.35	− 3 30.7	1.152	2.116	11.3	19.5
8 29	23 15.36	− 3 32.0	1.106	2.103	6.0	19.2
9 8	23 4.77	− 3 41.4	1.084	2.091	1.0	18.8
9 18	22 54.01	− 3 53.3	1.086	2.079	5.9	19.1
9 28	22 44.66	− 4 1.9	1.112	2.067	11.5	19.4
10 8	22 37.97	− 4 1.8	1.160	2.056	16.4	19.7

477899 2011 KP_{11} 9 7.6 44°.21 11°.6/29.1 16

7 30	23 33.86	−29 54.7	1.355	2.220	17.6	20.1
8 9	23 30.24	−31 42.7	1.329	2.241	14.8	20.0
8 19	23 23.53	−33 19.7	1.323	2.263	12.5	19.9
8 29	23 14.60	−34 33.2	1.339	2.285	11.6	19.9
9 8	23 4.83	−35 13.8	1.377	2.308	12.4	20.1
9 18	22 55.66	−35 17.5	1.436	2.331	14.4	20.2
9 28	22 48.39	−34 46.0	1.515	2.354	16.7	20.5
10 8	22 43.82	−33 44.8	1.612	2.378	18.9	20.7

9417 Jujiishii 9 7.6 231°.85 3°.2/10.5 18

7 30	23 32.37	+ 5 3.5	2.025	2.797	15.9	18.4
8 9	23 28.32	+ 5 6.9	1.921	2.784	13.2	18.2
8 19	23 22.06	+ 4 53.0	1.837	2.771	9.9	18.0
8 29	23 14.00	+ 4 21.8	1.777	2.757	6.3	17.7
9 8	23 4.85	+ 3 35.7	1.743	2.742	3.4	17.5
9 18	22 55.52	+ 2 39.4	1.737	2.726	4.6	17.6
9 28	22 47.04	+ 1 39.1	1.758	2.710	8.3	17.8
10 8	22 40.27	+ 0 41.5	1.806	2.693	12.0	18.0

505369 2013 HX_{23} 9 7.6 65°.09 2°.7/ 9.4 17

7 30	23 34.45	+ 1 34.8	1.205	2.031	21.8	20.8
8 9	23 30.79	+ 1 43.5	1.151	2.050	17.6	20.6
8 19	23 24.05	+ 1 29.7	1.113	2.069	12.6	20.4
8 29	23 14.97	+ 0 55.4	1.096	2.088	7.2	20.1
9 8	23 4.82	+ 0 6.6	1.102	2.107	2.8	19.9
9 18	22 55.02	− 0 48.7	1.133	2.127	5.6	20.2
9 28	22 46.97	− 1 41.4	1.188	2.146	10.6	20.5
10 8	22 41.62	− 2 23.9	1.265	2.165	15.1	20.8

355118 2006 UZ_{96} 9 7.6 47°.96 1°.8/ 5.8 18

7 30	23 28.69	− 8 4.4	1.954	2.786	14.3	21.4
8 9	23 25.26	− 8 41.7	1.878	2.788	11.2	21.2
8 19	23 19.78	− 9 29.2	1.824	2.791	7.6	21.0
8 29	23 12.75	−10 22.0	1.795	2.794	3.8	20.8
9 8	23 4.91	−11 14.2	1.793	2.797	2.0	20.6
9 18	22 57.14	−12 0.1	1.818	2.801	5.4	20.9
9 28	22 50.36	−12 34.5	1.870	2.804	9.1	21.1
10 8	22 45.27	−12 54.5	1.946	2.807	12.4	21.3

255210 2005 UH_{351} 9 7.6 42°.34 6°.1/14.1 18

7 30	23 27.28	+12 55.4	1.924	2.669	17.5	19.5
8 9	23 24.24	+13 21.3	1.848	2.680	15.0	19.3
8 19	23 19.13	+13 25.1	1.789	2.691	12.0	19.1
8 29	23 12.44	+13 5.7	1.752	2.702	9.0	19.0
9 8	23 4.92	+12 24.6	1.738	2.714	6.6	18.9
9 18	22 57.47	+11 25.8	1.750	2.726	6.3	18.9
9 28	22 50.99	+10 15.9	1.789	2.738	8.3	19.0
10 8	22 46.23	+ 9 2.8	1.852	2.751	11.1	19.2

360351 2001 WL_{23} 9 7.6 257°.38 5°.1/13.6 18

7 30	23 26.22	+12 48.5	2.265	2.999	15.5	21.9
8 9	23 23.24	+12 48.2	2.162	2.989	13.3	21.7
8 19	23 18.40	+12 27.3	2.077	2.978	10.6	21.5
8 29	23 12.09	+11 44.8	2.014	2.968	7.8	21.3
9 8	23 4.94	+10 42.4	1.977	2.957	5.5	21.2
9 18	22 57.68	+ 9 24.1	1.967	2.947	5.4	21.2
9 28	22 51.15	+ 7 56.2	1.985	2.936	7.5	21.3
10 8	22 46.07	+ 6 26.2	2.029	2.925	10.4	21.4

108659 2001 NF_{20} 9 7.6 50°.94 0°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.99	− 2 38.7	1.379	2.220	18.7	19.4
8 9	23 25.45	− 3 28.9	1.318	2.231	14.8	19.2
8 19	23 20.28	− 4 38.9	1.275	2.242	10.1	18.9
8 29	23 13.09	− 6 2.8	1.255	2.254	4.9	18.7
9 8	23 4.90	− 7 31.6	1.259	2.266	0.8	18.4
9 18	22 56.91	− 8 55.3	1.289	2.279	5.9	18.8
9 28	22 50.29	−10 5.0	1.344	2.291	10.7	19.1
10 8	22 45.91	−10 55.0	1.421	2.304	14.8	19.4

257400 2009 SK_{264} 9 7.6 313°.64 0°.9/ 5.8 17

7 30	23 20.85	− 8 44.2	4.331	5.143	7.4	20.3
8 9	23 17.97	− 9 13.0	4.242	5.142	5.7	20.2
8 19	23 14.21	− 9 46.0	4.177	5.140	3.9	20.0
8 29	23 9.80	−10 21.1	4.141	5.139	1.9	19.9
9 8	23 5.05	−10 55.9	4.134	5.138	1.0	19.8
9 18	23 0.32	−11 28.2	4.156	5.136	2.8	19.9
9 28	22 55.95	−11 55.7	4.208	5.135	4.7	20.1
10 8	22 52.26	−12 16.9	4.287	5.134	6.5	20.2

298144 2002 SQ_{38} 9 7.6 357°.72 1°.9/ 6.4 15

7 30	23 21.52	− 8 20.1	1.062	1.945	20.0	19.9
8 9	23 21.21	− 8 26.5	0.999	1.937	15.8	19.6
8 19	23 17.85	− 8 46.9	0.952	1.931	10.8	19.3
8 29	23 12.06	− 9 16.1	0.926	1.928	5.3	19.0
9 8	23 4.95	− 9 46.1	0.920	1.926	2.1	18.8
9 18	22 57.94	−10 8.8	0.937	1.928	7.2	19.1
9 28	22 52.48	−10 17.4	0.975	1.931	12.5	19.4
10 8	22 49.62	−10 8.0	1.032	1.937	17.2	19.7

324399 2006 SU_{91} 9 7.6 7°.99 1°.0/ 6.9 17

7 30	23 28.43	− 6 42.7	1.054	1.925	21.2	19.6
8 9	23 26.65	− 6 44.0	0.995	1.925	16.8	19.3
8 19	23 21.58	− 7 0.9	0.952	1.927	11.5	19.0
8 29	23 13.91	− 7 28.7	0.929	1.930	5.7	18.7
9 8	23 4.88	− 7 59.8	0.928	1.935	1.2	18.4
9 18	22 56.05	− 8 25.9	0.949	1.941	6.8	18.8
9 28	22 48.98	− 8 40.1	0.992	1.948	12.4	19.2
10 8	22 44.75	− 8 38.1	1.055	1.956	17.3	19.5

259343 2003 FK_{133} 9 7.6 227°.96 0°.9/ 5.9 18

7 30	23 21.24	− 9 6.7	4.581	5.391	7.1	21.1
8 9	23 18.22	− 9 29.4	4.491	5.390	5.5	21.0
8 19	23 14.34	− 9 55.7	4.426	5.388	3.7	20.8
8 29	23 9.86	−10 23.8	4.388	5.386	1.8	20.7
9 8	23 5.06	−10 51.6	4.380	5.385	1.0	20.6
9 18	23 0.27	−11 17.0	4.403	5.383	2.6	20.8
9 28	22 55.83	−11 38.1	4.454	5.381	4.5	20.9
10 8	22 52.04	−11 53.4	4.533	5.379	6.2	21.0

191102 2002 EW_{14} 9 7.6 250°.13 0°.4/ 8.4 18

7 30	23 21.14	− 2 13.6	4.499	5.285	7.6	20.1
8 9	23 18.16	− 2 27.5	4.402	5.282	6.0	20.0
8 19	23 14.32	− 2 47.3	4.329	5.280	4.2	19.9
8 29	23 9.85	− 3 11.6	4.284	5.277	2.2	19.7
9 8	23 5.06	− 3 38.7	4.267	5.274	0.4	19.5
9 18	23 0.27	− 4 6.6	4.281	5.272	2.0	19.7
9 28	22 55.82	− 4 33.1	4.325	5.269	4.0	19.9
10 8	22 52.03	− 4 56.3	4.396	5.266	5.9	20.0

344697 2003 SA_{395} 9 7.6 273°.13 4°.7/ 2.9 18

7 30	23 30.75	−15 36.0	1.931	2.775	14.0	21.0
8 9	23 27.20	−16 35.3	1.841	2.757	11.1	20.8
8 19	23 21.36	−17 41.1	1.772	2.738	7.8	20.6
8 29	23 13.67	−18 46.9	1.729	2.720	5.2	20.4
9 8	23 4.90	−19 44.8	1.712	2.701	5.2	20.4
9 18	22 56.02	−20 28.0	1.722	2.682	8.0	20.5
9 28	22 48.09	−20 51.7	1.758	2.662	11.4	20.7
10 8	22 42.01	−20 54.0	1.816	2.643	14.7	20.8

407160 2009 UX_{21} 9 7.6 285°.37 6°.3/31.4 18

7 30	23 30.67	−24 26.2	2.371	3.211	11.9	20.6
8 9	23 26.57	−25 23.9	2.302	3.208	9.6	20.5
8 19	23 20.56	−26 19.6	2.255	3.204	7.5	20.3
8 29	23 13.10	−27 7.1	2.234	3.200	6.3	20.3
9 8	23 4.92	−27 40.4	2.240	3.196	6.8	20.3
9 18	22 56.84	−27 55.6	2.272	3.193	8.6	20.4
9 28	22 49.68	−27 50.5	2.329	3.189	10.8	20.5
10 8	22 44.12	−27 25.9	2.408	3.185	13.0	20.7

149779 2004 RY_{255} 9 7.6 18°.00 5°.2/ 1.3 18

7 30	23 24.52	−15 5.3	1.915	2.771	13.6	18.8
8 9	23 22.13	−16 47.8	1.851	2.774	10.6	18.6
8 19	23 17.71	−18 37.5	1.809	2.778	7.5	18.4
8 29	23 11.75	−20 25.8	1.794	2.782	5.3	18.3
9 8	23 4.98	−22 3.7	1.805	2.786	5.8	18.4
9 18	22 58.27	−23 23.4	1.843	2.791	8.4	18.5
9 28	22 52.52	−24 19.9	1.906	2.796	11.4	18.7
10 8	22 48.44	−24 51.6	1.991	2.802	14.2	18.9

40086 1998 MK_{33} 9 7.6 353°.98 8°.6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.26	−18 6.5	1.192	2.085	17.7	17.3
8 9	23 20.06	−20 6.6	1.134	2.077	14.0	17.1
8 19	23 16.99	−22 15.0	1.097	2.070	10.5	16.8
8 29	23 11.61	−24 17.9	1.081	2.065	8.6	16.7
9 8	23 4.98	−26 0.7	1.087	2.062	9.8	16.8
9 18	22 58.43	−27 11.8	1.115	2.060	13.0	17.0
9 28	22 53.32	−27 45.2	1.164	2.060	16.7	17.2
10 8	22 50.67	−27 41.3	1.230	2.061	20.0	17.4

385717 2005 UC_{127} 9 7.6 331°.42 1°.7/ 6.4 16

7 30	23 26.59	− 7 11.8	1.246	2.109	19.0	21.5
8 9	23 25.00	− 7 30.5	1.166	2.092	15.1	21.2
8 19	23 20.45	− 8 4.6	1.103	2.077	10.4	20.9
8 29	23 13.41	− 8 49.4	1.061	2.062	5.2	20.5
9 8	23 4.91	− 9 37.1	1.042	2.048	1.9	20.3
9 18	22 56.28	−10 19.0	1.047	2.036	7.0	20.6
9 28	22 49.00	−10 47.2	1.074	2.024	12.4	20.8
10 8	22 44.25	−10 56.5	1.121	2.014	17.2	21.1

405332 2003 UM_{279} 9 7.6 294°.72 4°.4/12.6 18

7 30	23 26.04	+ 9 41.8	2.365	3.114	14.5	21.2
8 9	23 23.03	+ 9 54.4	2.257	3.098	12.3	21.0
8 19	23 18.25	+ 9 49.9	2.169	3.082	9.7	20.8
8 29	23 12.03	+ 9 27.8	2.104	3.066	6.9	20.6
9 8	23 4.98	+ 8 49.2	2.064	3.050	4.8	20.4
9 18	22 57.78	+ 7 57.3	2.052	3.034	4.9	20.4
9 28	22 51.25	+ 6 57.2	2.067	3.018	7.2	20.5
10 8	22 46.07	+ 5 54.9	2.108	3.002	10.2	20.7

131227 2001 DZ_{95} 9 7.6 245°.67 2°.5/ 5.3 18

7 30	23 30.13	− 9 33.8	1.837	2.674	14.9	20.2
8 9	23 26.61	−10 16.5	1.758	2.671	11.7	20.0
8 19	23 20.86	−11 9.3	1.700	2.668	7.9	19.7
8 29	23 13.36	−12 6.7	1.667	2.665	4.1	19.5
9 8	23 4.93	−13 2.1	1.660	2.663	2.8	19.4
9 18	22 56.53	−13 48.9	1.681	2.660	6.2	19.6
9 28	22 49.17	−14 21.8	1.727	2.657	10.0	19.9
10 8	22 43.66	−14 37.9	1.797	2.654	13.5	20.1

349925 2009 WC_{26} 9 7.6 84°.80 3°.5/11.4 17

7 30	23 44.72	+ 9 52.5	2.030	2.750	17.4	21.9
8 9	23 37.10	+ 9 15.2	1.980	2.808	14.2	21.8
8 19	23 27.40	+ 8 16.5	1.951	2.864	10.6	21.7
8 29	23 16.33	+ 6 58.9	1.948	2.918	6.8	21.6
9 8	23 4.83	+ 5 27.8	1.975	2.970	3.8	21.5
9 18	22 53.88	+ 3 50.5	2.033	3.019	4.4	21.6
9 28	22 44.37	+ 2 15.0	2.122	3.067	7.5	21.9
10 8	22 36.93	+ 0 48.1	2.239	3.112	10.6	22.2

242472 2004 SO_{60} 9 7.6 230°.00 4°.1/12.2 18

7 30	23 29.59	+ 9 33.8	2.359	3.102	14.7	21.5
8 9	23 25.81	+ 9 34.4	2.251	3.089	12.4	21.4
8 19	23 20.16	+ 9 17.0	2.163	3.076	9.7	21.1
8 29	23 13.00	+ 8 41.2	2.098	3.063	6.8	20.9
9 8	23 4.95	+ 7 48.8	2.060	3.049	4.4	20.8
9 18	22 56.77	+ 6 43.6	2.050	3.034	4.7	20.8
9 28	22 49.28	+ 5 31.2	2.068	3.018	7.3	20.9
10 8	22 43.22	+ 4 18.3	2.113	3.002	10.4	21.1

373211 2012 FE_{2} 9 7.6 71°.95 1°.7/ 9.1 17

7 30	23 29.93	+ 2 28.2	1.385	2.204	19.8	21.2
8 9	23 26.94	+ 1 56.8	1.324	2.220	15.9	21.0
8 19	23 21.29	+ 1 1.8	1.280	2.236	11.3	20.8
8 29	23 13.60	− 0 13.2	1.259	2.251	6.3	20.5
9 8	23 4.94	− 1 40.6	1.261	2.267	1.8	20.3
9 18	22 56.49	− 3 10.7	1.290	2.283	5.1	20.6
9 28	22 49.47	− 4 33.5	1.344	2.299	9.9	20.9
10 8	22 44.73	− 5 41.4	1.421	2.315	14.1	21.2

481726 2008 FW_{22} 9 7.6 209°.17 4°.8/ 2.4 18

7 30	23 31.56	−19 14.0	2.334	3.171	12.1	21.3
8 9	23 27.25	−20 3.1	2.258	3.168	9.6	21.1
8 19	23 21.03	−20 53.5	2.206	3.165	7.0	20.9
8 29	23 13.36	−21 39.6	2.179	3.162	5.1	20.8
9 8	23 4.96	−22 15.6	2.180	3.159	5.2	20.8
9 18	22 56.63	−22 37.1	2.209	3.155	7.3	20.9
9 28	22 49.20	−22 41.5	2.263	3.152	10.0	21.1
10 8	22 43.35	−22 28.4	2.341	3.148	12.5	21.3

37998 1998 KF_{34} 9 7.6 124°.39 0°.5/ 8.1 17

7 30	23 30.10	− 0 51.5	2.025	2.828	14.9	20.3
8 9	23 26.24	− 1 24.9	1.950	2.840	11.9	20.1
8 19	23 20.40	− 2 13.2	1.896	2.851	8.3	19.9
8 29	23 13.06	− 3 13.0	1.867	2.862	4.3	19.7
9 8	23 4.97	− 4 18.9	1.866	2.873	0.5	19.4
9 18	22 56.99	− 5 25.0	1.892	2.883	4.1	19.8
9 28	22 49.97	− 6 25.0	1.947	2.893	8.0	20.0
10 8	22 44.62	− 7 14.1	2.027	2.902	11.4	20.2

338880 2004 BR_{90} 9 7.6 259°.51 1°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.49	− 0 24.2	2.133	2.932	14.4	21.3
8 9	23 25.91	− 0 35.2	2.031	2.917	11.6	21.1
8 19	23 20.32	− 1 0.2	1.951	2.903	8.3	20.8
8 29	23 13.11	− 1 37.2	1.895	2.888	4.6	20.6
9 8	23 4.97	− 2 22.6	1.866	2.873	1.2	20.3
9 18	22 56.70	− 3 11.5	1.866	2.857	4.0	20.5
9 28	22 49.22	− 3 58.5	1.893	2.842	8.0	20.7
10 8	22 43.30	− 4 38.3	1.945	2.826	11.5	20.9

449289 2013 ER_{85} 9 7.6 75°.98 3°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.22	−13 23.1	2.147	2.986	12.9	21.0
8 9	23 24.67	−14 22.4	2.083	2.997	10.0	20.8
8 19	23 19.26	−15 27.5	2.041	3.008	6.9	20.7
8 29	23 12.47	−16 32.4	2.025	3.019	4.1	20.5
9 8	23 5.01	−17 30.8	2.037	3.030	3.9	20.5
9 18	22 57.68	−18 17.3	2.077	3.042	6.4	20.7
9 28	22 51.29	−18 48.0	2.143	3.053	9.4	20.9
10 8	22 46.46	−19 1.6	2.232	3.064	12.2	21.1

251373 2007 VO_9 9 7.6 209°.31 5°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.26	+ 8 37.7	1.705	2.474	18.6	20.6
8 9	23 28.62	+ 8 55.5	1.615	2.471	15.7	20.4
8 19	23 22.48	+ 8 51.4	1.542	2.466	12.2	20.1
8 29	23 14.30	+ 8 24.2	1.492	2.462	8.4	19.9
9 8	23 4.93	+ 7 35.7	1.465	2.457	5.4	19.7
9 18	22 55.46	+ 6 31.0	1.465	2.451	5.9	19.7
9 28	22 47.06	+ 5 17.8	1.491	2.445	9.2	19.9
10 8	22 40.69	+ 4 4.9	1.542	2.438	13.1	20.1

447366 2006 AJ_{23} 9 7.6 236°.10 1°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.62	− 6 40.0	2.541	3.355	11.9	22.3
8 9	23 24.01	− 7 12.6	2.448	3.348	9.3	22.1
8 19	23 18.76	− 7 54.0	2.378	3.340	6.4	21.9
8 29	23 12.24	− 8 41.1	2.334	3.333	3.1	21.7
9 8	23 5.04	− 9 29.5	2.319	3.325	1.2	21.5
9 18	22 57.81	−10 14.6	2.332	3.316	4.2	21.7
9 28	22 51.26	−10 52.3	2.374	3.308	7.4	21.9
10 8	22 46.00	−11 19.4	2.441	3.299	10.3	22.1

60024 1999 TW_{47} 9 7.6 297°.77 0°.5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.94	− 4 36.4	2.124	2.944	13.8	19.8
8 9	23 23.88	− 5 3.9	2.030	2.931	10.9	19.6
8 19	23 18.90	− 5 43.3	1.956	2.919	7.5	19.3
8 29	23 12.40	− 6 31.5	1.908	2.906	3.7	19.1
9 8	23 5.04	− 7 23.7	1.886	2.893	0.6	18.8
9 18	22 57.61	− 8 14.4	1.892	2.881	4.5	19.1
9 28	22 50.96	− 8 58.2	1.926	2.868	8.3	19.3
10 8	22 45.84	− 9 30.8	1.984	2.856	11.8	19.5

293447 2007 EN_{169} 9 7.6 125°.33 0°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.10	− 6 10.3	2.616	3.427	11.7	21.8
8 9	23 24.21	− 6 41.1	2.539	3.436	9.2	21.6
8 19	23 18.78	− 7 20.2	2.484	3.446	6.2	21.4
8 29	23 12.20	− 8 4.4	2.456	3.455	3.0	21.3
9 8	23 5.06	− 8 49.6	2.457	3.463	0.9	21.1
9 18	22 57.99	− 9 31.6	2.487	3.472	3.9	21.3
9 28	22 51.65	−10 6.7	2.545	3.480	6.9	21.6
10 8	22 46.58	−10 32.1	2.629	3.488	9.7	21.7

342651 2008 VR_1 9 7.6 11°.20 5°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.85	+ 2 18.3	0.895	1.762	24.3	18.8
8 9	23 22.54	+ 3 25.1	0.848	1.768	20.0	18.6
8 19	23 18.89	+ 4 6.8	0.815	1.777	15.0	18.3
8 29	23 12.61	+ 4 22.0	0.800	1.789	9.7	18.1
9 8	23 5.04	+ 4 13.3	0.803	1.804	5.5	18.0
9 18	22 57.76	+ 3 47.4	0.827	1.821	6.9	18.1
9 28	22 52.31	+ 3 13.9	0.872	1.841	11.5	18.4
10 8	22 49.73	+ 2 42.9	0.936	1.863	16.2	18.8

248630 2006 FD_{21} 9 7.6 68°.51 2°.4/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.49	− 9 22.5	1.250	2.099	19.8	20.4
8 9	23 33.11	− 9 40.4	1.197	2.116	15.5	20.2
8 19	23 25.61	−10 9.5	1.163	2.133	10.5	19.9
8 29	23 15.79	−10 43.5	1.150	2.150	5.2	19.7
9 8	23 4.93	−11 14.7	1.162	2.167	2.6	19.6
9 18	22 54.50	−11 36.0	1.199	2.184	7.0	19.9
9 28	22 45.90	−11 42.7	1.260	2.201	11.8	20.2
10 8	22 40.06	−11 32.9	1.343	2.219	16.0	20.5

158763 2003 RO_7 9 7.6 333°.59 3°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.66	+ 7 44.2	2.214	2.984	14.8	19.2
8 9	23 21.21	+ 7 21.9	2.119	2.979	12.3	19.0
8 19	23 17.00	+ 6 40.1	2.044	2.974	9.3	18.8
8 29	23 11.43	+ 5 39.9	1.993	2.969	6.1	18.6
9 8	23 5.10	+ 4 24.7	1.968	2.965	3.4	18.5
9 18	22 58.74	+ 2 59.8	1.970	2.961	4.0	18.5
9 28	22 53.11	+ 1 32.1	2.001	2.957	7.1	18.7
10 8	22 48.88	+ 0 8.6	2.058	2.953	10.3	18.9

32058 Charlesnoyes 9 7.6 22°.41 3°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.21	−10 52.8	1.465	2.322	17.0	18.4
8 9	23 25.50	−11 30.2	1.407	2.331	13.2	18.1
8 19	23 20.25	−12 17.0	1.368	2.341	9.0	17.9
8 29	23 13.09	−13 6.7	1.353	2.352	4.7	17.7
9 8	23 5.04	−13 51.5	1.362	2.364	3.5	17.7
9 18	22 57.21	−14 24.8	1.397	2.377	7.0	17.9
9 28	22 50.73	−14 41.5	1.456	2.390	11.1	18.2
10 8	22 46.41	−14 39.8	1.536	2.405	14.8	18.5

509298 2006 VQ_{116} 9 7.6 317°.07 1°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.75	− 6 30.0	1.288	2.143	19.0	21.6
8 9	23 26.69	− 6 46.9	1.204	2.126	15.1	21.3
8 19	23 21.65	− 7 19.6	1.137	2.109	10.5	21.0
8 29	23 14.08	− 8 3.7	1.092	2.093	5.2	20.6
9 8	23 4.99	− 8 51.9	1.070	2.077	1.5	20.3
9 18	22 55.71	− 9 35.7	1.072	2.062	6.8	20.6
9 28	22 47.76	−10 7.0	1.097	2.047	12.2	20.9
10 8	22 42.33	−10 20.4	1.143	2.034	17.1	21.1

385431 2003 FA_4 9 7.6 77°.34 6°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.39	−25 15.0	2.169	3.002	13.0	20.8
8 9	23 30.91	−26 9.3	2.127	3.029	10.5	20.7
8 19	23 23.38	−26 59.1	2.109	3.055	8.2	20.6
8 29	23 14.46	−27 37.8	2.116	3.080	6.7	20.6
9 8	23 5.00	−27 59.9	2.150	3.106	7.1	20.6
9 18	22 55.92	−28 2.2	2.211	3.131	8.8	20.8
9 28	22 48.09	−27 44.2	2.296	3.156	11.0	21.0
10 8	22 42.13	−27 7.7	2.405	3.181	13.1	21.2

476219 2007 US_{116} 9 7.6 311°.42 6°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.66	−16 49.4	1.589	2.450	15.7	20.5
8 9	23 26.20	−17 53.4	1.498	2.423	12.5	20.2
8 19	23 21.09	−19 5.1	1.427	2.396	9.1	20.0
8 29	23 13.73	−20 16.3	1.379	2.369	6.4	19.8
9 8	23 5.01	−21 17.4	1.356	2.343	6.6	19.7
9 18	22 56.06	−21 59.6	1.358	2.316	9.8	19.8
9 28	22 48.20	−22 16.9	1.383	2.291	13.7	20.0
10 8	22 42.52	−22 7.5	1.429	2.266	17.4	20.2

145524 2006 FS 9 7.6 153°.86 3°.4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.66	−14 15.9	2.125	2.954	13.4	20.3
8 9	23 29.77	−14 52.8	2.052	2.960	10.5	20.1
8 19	23 22.80	−15 34.1	2.002	2.966	7.3	19.9
8 29	23 14.28	−16 14.6	1.978	2.971	4.3	19.7
9 8	23 5.00	−16 48.5	1.981	2.976	3.7	19.7
9 18	22 55.85	−17 11.1	2.013	2.981	6.3	19.9
9 28	22 47.75	−17 19.3	2.072	2.985	9.5	20.1
10 8	22 41.39	−17 12.2	2.155	2.989	12.5	20.3

367935 2012 CA_{43} 9 7.6 182°.64 2°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.25	−11 4.4	2.923	3.741	10.4	22.5
8 9	23 24.23	−11 46.4	2.839	3.742	8.1	22.3
8 19	23 18.76	−12 33.8	2.778	3.742	5.5	22.1
8 29	23 12.21	−13 23.0	2.745	3.742	2.9	22.0
9 8	23 5.09	−14 9.7	2.741	3.741	2.3	21.9
9 18	22 58.00	−14 50.2	2.767	3.739	4.5	22.1
9 28	22 51.54	−15 21.0	2.821	3.738	7.1	22.2
10 8	22 46.23	−15 40.4	2.901	3.736	9.6	22.4

112927 2002 QU_{66} 9 7.6 95°.93 2°.2/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.35	− 7 55.0	1.554	2.389	17.2	20.7
8 9	23 30.09	− 8 41.4	1.496	2.408	13.4	20.5
8 19	23 23.28	− 9 39.9	1.459	2.426	9.1	20.3
8 29	23 14.58	−10 44.1	1.445	2.444	4.5	20.0
9 8	23 5.00	−11 46.0	1.458	2.462	2.5	19.9
9 18	22 55.72	−12 38.0	1.497	2.479	6.3	20.2
9 28	22 47.84	−13 14.7	1.562	2.496	10.6	20.5
10 8	22 42.19	−13 33.2	1.650	2.512	14.2	20.8

145288 2005 JL_{177} 9 7.6 330°.46 1°.4/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.39	− 6 27.1	1.403	2.247	18.3	20.4
8 9	23 28.33	− 6 51.9	1.329	2.245	14.5	20.2
8 19	23 22.47	− 7 31.5	1.273	2.242	9.9	19.9
8 29	23 14.36	− 8 20.9	1.240	2.240	4.9	19.6
9 8	23 5.01	− 9 12.6	1.231	2.237	1.6	19.4
9 18	22 55.71	− 9 58.7	1.247	2.235	6.3	19.7
9 28	22 47.76	−10 32.2	1.288	2.233	11.3	20.0
10 8	22 42.20	−10 48.8	1.351	2.232	15.6	20.3

91228 1999 BG_{13} 9 7.6 211°.53 2°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.72	+ 2 3.4	1.566	2.370	18.5	19.2
8 9	23 29.95	+ 2 10.0	1.481	2.366	15.2	19.0
8 19	23 23.50	+ 1 57.7	1.415	2.363	11.1	18.7
8 29	23 14.88	+ 1 27.4	1.370	2.359	6.6	18.4
9 8	23 5.00	+ 0 42.9	1.350	2.354	2.7	18.2
9 18	22 55.05	− 0 9.7	1.357	2.350	5.1	18.3
9 28	22 46.31	− 1 2.8	1.390	2.344	9.7	18.6
10 8	22 39.79	− 1 49.2	1.446	2.339	14.0	18.8

187817 1999 TP_{225} 9 7.6 284.°44 1.°6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.13	+ 0 42.7	1.500	2.321	18.4	21.2
8 9	23 26.58	+ 0 30.5	1.407	2.305	15.0	20.9
8 19	23 21.35	− 0 2.3	1.332	2.289	10.8	20.6
8 29	23 13.88	− 0 54.2	1.279	2.273	6.0	20.3
9 8	23 5.03	− 1 59.9	1.250	2.256	1.7	20.0
9 18	22 55.96	− 3 11.9	1.247	2.240	5.2	20.2
9 28	22 47.99	− 4 21.1	1.269	2.224	10.3	20.4
10 8	22 42.20	− 5 19.1	1.313	2.208	15.0	20.6

107065 2001 AB_{13} 9 7.6 236.°31 5.°1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.78	+ 9 54.3	2.089	2.837	16.2	20.2
8 9	23 27.03	+10 19.2	1.989	2.828	13.8	20.0
8 19	23 21.17	+10 25.8	1.908	2.819	10.9	19.8
8 29	23 13.61	+10 12.8	1.849	2.810	7.8	19.6
9 8	23 5.05	+ 9 41.0	1.816	2.800	5.5	19.5
9 18	22 56.35	+ 8 53.8	1.810	2.791	5.6	19.5
9 28	22 48.48	+ 7 56.6	1.831	2.780	8.2	19.6
10 8	22 42.24	+ 6 56.4	1.878	2.770	11.3	19.8

336222 2008 SZ_{64} 9 7.6 233.°35 0.°8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.39	− 4 11.4	1.921	2.741	15.0	21.7
8 9	23 26.02	− 4 53.3	1.831	2.733	11.9	21.5
8 19	23 20.50	− 5 49.7	1.763	2.726	8.2	21.3
8 29	23 13.27	− 6 56.5	1.719	2.718	4.0	21.0
9 8	23 5.07	− 8 7.5	1.703	2.709	0.9	20.8
9 18	22 56.81	− 9 16.0	1.714	2.701	5.0	21.0
9 28	22 49.48	−10 15.0	1.752	2.692	9.2	21.3
10 8	22 43.87	−10 59.7	1.814	2.683	12.9	21.5

222198 2000 DX_{85} 9 7.6 248.°06 0.°8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.63	− 7 58.9	2.731	3.535	11.5	20.7
8 9	23 27.83	− 8 2.7	2.628	3.521	9.0	20.5
8 19	23 21.36	− 8 12.4	2.548	3.507	6.2	20.3
8 29	23 13.58	− 8 25.7	2.495	3.492	3.1	20.1
9 8	23 5.06	− 8 39.4	2.471	3.478	0.9	19.9
9 18	22 56.49	− 8 50.6	2.477	3.462	3.9	20.1
9 28	22 48.58	− 8 56.2	2.512	3.447	7.0	20.3
10 8	22 41.96	− 8 54.3	2.574	3.431	9.9	20.5

71961 2000 WO_{115} 9 7.6 251.°13 0.°4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.92	− 4 40.2	1.534	2.364	17.7	20.3
8 9	23 29.40	− 4 56.9	1.450	2.357	14.1	20.1
8 19	23 23.16	− 5 28.7	1.385	2.349	9.8	19.8
8 29	23 14.72	− 6 11.8	1.343	2.342	4.9	19.5
9 8	23 5.02	− 7 0.0	1.327	2.334	0.6	19.2
9 18	22 55.26	− 7 46.3	1.336	2.326	5.6	19.5
9 28	22 46.72	− 8 23.6	1.372	2.318	10.6	19.8
10 8	22 40.44	− 8 46.9	1.429	2.310	14.9	20.0

135646 2002 JG_{133} 9 7.6 73.°45 2.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.80	+ 0 22.4	1.383	2.201	19.9	19.9
8 9	23 30.82	+ 0 32.0	1.321	2.216	16.0	19.7
8 19	23 24.01	+ 0 22.7	1.277	2.231	11.5	19.5
8 29	23 15.04	− 0 3.4	1.255	2.247	6.5	19.2
9 8	23 5.04	− 0 41.4	1.257	2.262	2.2	19.0
9 18	22 55.28	− 1 24.8	1.285	2.278	5.2	19.3
9 28	22 47.06	− 2 6.0	1.338	2.293	9.9	19.6
10 8	22 41.28	− 2 38.7	1.414	2.308	14.2	19.9

4568 Menkaure 9 7.6 96.°42 2.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.19	−11 12.6	2.222	3.047	13.1	16.7
8 9	23 27.73	−11 31.7	2.148	3.054	10.2	16.5
8 19	23 21.36	−11 56.5	2.095	3.060	6.9	16.3
8 29	23 13.58	−12 22.9	2.068	3.066	3.6	16.2
9 8	23 5.10	−12 46.3	2.069	3.072	2.3	16.1
9 18	22 56.74	−13 2.9	2.099	3.078	5.1	16.3
9 28	22 49.32	−13 9.4	2.156	3.084	8.4	16.5
10 8	22 43.50	−13 4.1	2.238	3.089	11.4	16.7

234285 2000 XU_{6} 9 7.6 259.°52 8.°5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.64	+16 27.2	1.903	2.618	18.6	19.7
8 9	23 28.03	+17 29.1	1.810	2.613	16.4	19.6
8 19	23 22.06	+18 9.7	1.734	2.608	13.8	19.4
8 29	23 14.15	+18 24.9	1.678	2.604	11.1	19.2
9 8	23 5.08	+18 13.5	1.645	2.599	9.0	19.1
9 18	22 55.84	+17 36.7	1.637	2.594	8.6	19.0
9 28	22 47.53	+16 39.9	1.654	2.589	10.0	19.1
10 8	22 41.11	+15 31.2	1.695	2.584	12.5	19.3

352104 2007 BA_{5} 9 7.6 108.°80 3.°6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.67	+ 7 41.2	2.650	3.390	13.3	20.5
8 9	23 26.98	+ 8 0.8	2.571	3.408	11.1	20.4
8 19	23 20.68	+ 8 6.5	2.513	3.426	8.5	20.3
8 29	23 13.20	+ 7 58.4	2.479	3.444	5.9	20.1
9 8	23 5.13	+ 7 38.1	2.473	3.461	3.9	20.0
9 18	22 57.14	+ 7 8.4	2.496	3.478	4.1	20.1
9 28	22 49.92	+ 6 33.1	2.548	3.494	6.3	20.2
10 8	22 44.03	+ 5 56.6	2.626	3.510	8.8	20.4

503553 2016 FF_{43} 9 7.6 142.°71 1.°0/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 34.62	− 5 1.5	1.465	2.296	18.3	22.2
8 9	23 30.67	− 5 35.5	1.395	2.303	14.5	21.9
8 19	23 23.95	− 6 25.4	1.344	2.309	9.9	21.7
8 29	23 15.07	− 7 26.1	1.316	2.315	4.9	21.4
9 8	23 5.06	− 8 29.9	1.314	2.321	1.2	21.2
9 18	22 55.18	− 9 28.4	1.338	2.326	6.0	21.5
9 28	22 46.71	−10 14.3	1.388	2.330	10.8	21.8
10 8	22 40.62	−10 43.1	1.460	2.335	15.0	22.1

322098 2010 VD_{138} 9 7.6 123.°21 3.°1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.50	+ 5 43.1	2.460	3.223	13.7	21.0
8 9	23 24.73	+ 5 50.5	2.372	3.228	11.3	20.8
8 19	23 19.28	+ 5 43.4	2.305	3.233	8.5	20.6
8 29	23 12.55	+ 5 22.5	2.262	3.237	5.6	20.5
9 8	23 5.15	+ 4 50.0	2.246	3.242	3.3	20.3
9 18	22 57.77	+ 4 9.2	2.258	3.246	3.9	20.4
9 28	22 51.12	+ 3 24.7	2.299	3.250	6.6	20.6
10 8	22 45.81	+ 2 41.3	2.366	3.255	9.4	20.8

181627 Philgeluck 9 7.7 48.°76 1.°6/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.51	− 6 39.5	1.384	2.229	18.4	20.3
8 9	23 28.33	− 7 10.0	1.319	2.236	14.5	20.1
8 19	23 22.38	− 7 54.9	1.273	2.243	9.9	19.8
8 29	23 14.28	− 8 48.7	1.250	2.250	4.8	19.6
9 8	23 5.10	− 9 43.5	1.251	2.257	1.8	19.4
9 18	22 56.10	−10 31.3	1.278	2.265	6.3	19.7
9 28	22 48.54	−11 5.4	1.329	2.273	11.1	20.0
10 8	22 43.34	−11 21.9	1.402	2.281	15.3	20.3

140763 2001 UY_{120} 9 7.7 283.°78 0.°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.88	− 3 46.5	2.107	2.922	14.0	20.4
8 9	23 24.76	− 4 15.8	2.002	2.901	11.2	20.2
8 19	23 19.63	− 4 58.4	1.919	2.880	7.8	20.0
8 29	23 12.88	− 5 51.3	1.861	2.858	3.9	19.7
9 8	23 5.15	− 6 49.6	1.829	2.837	0.4	19.4
9 18	22 57.26	− 7 47.6	1.826	2.815	4.5	19.6
9 28	22 50.12	− 8 39.2	1.850	2.793	8.5	19.9
10 8	22 44.51	− 9 19.6	1.899	2.771	12.2	20.0

88321 2001 OS_{43} 9 7.7 18.°47 2.°0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.86	+ 2 34.8	0.864	1.735	24.6	18.5
8 9	23 21.12	+ 2 11.5	0.815	1.742	19.9	18.3
8 19	23 18.03	+ 1 14.8	0.781	1.751	14.2	18.0
8 29	23 12.27	− 0 11.1	0.764	1.761	7.9	17.7
9 8	23 5.18	− 1 55.2	0.767	1.773	2.2	17.4
9 18	22 58.33	− 3 42.6	0.790	1.787	6.3	17.7
9 28	22 53.30	− 5 18.1	0.835	1.802	12.3	18.1
10 8	22 51.14	− 6 30.6	0.899	1.819	17.5	18.5

21569 1998 RX_{12} 9 7.7 154.°48 0.°1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.79	− 3 9.4	2.701	3.499	11.7	19.4
8 9	23 23.98	− 3 34.6	2.616	3.504	9.2	19.2
8 19	23 18.66	− 4 9.5	2.553	3.509	6.4	19.1
8 29	23 12.22	− 4 51.5	2.517	3.513	3.2	18.9
9 8	23 5.19	− 5 37.1	2.510	3.517	0.1	18.6
9 18	22 58.19	− 6 22.2	2.532	3.521	3.4	18.9
9 28	22 51.87	− 7 2.8	2.583	3.525	6.5	19.1
10 8	22 46.76	− 7 35.7	2.660	3.528	9.3	19.3

67847 2000 WX_{6} 9 7.7 338.°06 1.°5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.12	− 3 39.4	1.133	1.986	21.2	18.9
8 9	23 28.91	− 3 6.9	1.057	1.975	17.1	18.6
8 19	23 23.38	− 2 49.5	0.998	1.965	12.2	18.3
8 29	23 15.05	− 2 46.1	0.958	1.956	6.6	18.0
9 8	23 5.08	− 2 52.5	0.940	1.947	1.5	17.6
9 18	22 55.00	− 3 3.3	0.946	1.940	6.2	17.9
9 28	22 46.50	− 3 11.8	0.974	1.934	12.0	18.2
10 8	22 40.86	− 3 11.9	1.022	1.929	17.1	18.5

420361 2012 BA_{93} 9 7.7 280.°08 2.°4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.28	− 8 6.0	1.361	2.210	18.5	21.9
8 9	23 29.24	− 8 40.6	1.283	2.203	14.6	21.7
8 19	23 23.25	− 9 29.7	1.225	2.196	10.0	21.4
8 29	23 14.85	−10 27.4	1.189	2.189	5.0	21.1
9 8	23 5.09	−11 25.2	1.177	2.182	2.6	20.9
9 18	22 55.31	−12 14.2	1.191	2.175	7.2	21.2
9 28	22 46.92	−12 47.1	1.228	2.168	12.2	21.5
10 8	22 41.02	−13 0.0	1.286	2.162	16.6	21.7

392207 2009 SB_{311} 9 7.7 250.°22 0.°3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.41	− 2 55.1	4.632	5.419	7.3	21.0
8 9	23 18.39	− 3 7.6	4.534	5.415	5.8	20.9
8 19	23 14.53	− 3 25.6	4.460	5.411	4.0	20.8
8 29	23 10.06	− 3 47.8	4.413	5.407	2.1	20.6
9 8	23 5.28	− 4 12.3	4.396	5.403	0.3	20.4
9 18	23 0.49	− 4 37.3	4.409	5.399	2.0	20.6
9 28	22 56.03	− 5 0.9	4.452	5.396	3.9	20.8
10 8	22 52.20	− 5 21.2	4.523	5.392	5.7	20.9

316065 2009 HR_{80} 9 7.7 61.°68 4.°7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.79	−11 31.0	1.296	2.158	18.5	20.4
8 9	23 27.94	−12 48.0	1.241	2.168	14.4	20.2
8 19	23 22.18	−14 17.1	1.205	2.178	9.8	19.9
8 29	23 14.19	−15 48.4	1.192	2.189	5.7	19.7
9 8	23 5.12	−17 10.6	1.203	2.199	5.2	19.7
9 18	22 56.30	−18 13.8	1.239	2.210	8.9	20.0
9 28	22 49.05	−18 51.8	1.298	2.221	13.2	20.3
10 8	22 44.29	−19 3.1	1.377	2.232	17.0	20.5

66708 1999 TY_{93} 9 7.7 325.°37 0.°8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.20	− 3 54.9	1.492	2.336	17.4	18.5
8 9	23 23.41	− 4 32.6	1.406	2.322	13.8	18.3
8 19	23 19.11	− 5 28.6	1.339	2.308	9.6	18.0
8 29	23 12.75	− 6 38.6	1.295	2.295	4.7	17.7
9 8	23 5.19	− 7 55.1	1.275	2.282	1.0	17.4
9 18	22 57.51	− 9 9.4	1.281	2.270	5.9	17.7
9 28	22 50.92	−10 12.4	1.311	2.259	10.8	17.9
10 8	22 46.42	−10 57.7	1.363	2.249	15.2	18.2

128196 2003 SN_{27} 9 7.7 85.°61 3.°7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.02	+ 7 30.1	2.384	3.140	14.2	20.2
8 9	23 24.44	+ 7 41.2	2.297	3.146	11.8	20.0
8 19	23 19.13	+ 7 36.7	2.230	3.151	9.1	19.8
8 29	23 12.51	+ 7 16.7	2.187	3.156	6.2	19.7
9 8	23 5.20	+ 6 43.1	2.170	3.161	3.9	19.5
9 18	22 57.90	+ 5 59.6	2.181	3.167	4.3	19.6
9 28	22 51.36	+ 5 10.7	2.220	3.172	6.8	19.7
10 8	22 46.20	+ 4 21.8	2.286	3.177	9.6	19.9

445476 2010 VN_{113} 9 7.7 321.°84 2.°2/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.47	− 8 14.3	1.663	2.511	15.7	20.7
8 9	23 23.54	− 8 50.8	1.559	2.478	12.5	20.4
8 19	23 19.22	− 9 40.8	1.475	2.446	8.6	20.1
8 29	23 12.85	−10 40.0	1.414	2.414	4.4	19.8
9 8	23 5.18	−11 41.2	1.379	2.383	2.5	19.6
9 18	22 57.22	−12 36.7	1.369	2.353	6.6	19.7
9 28	22 50.15	−13 19.0	1.384	2.323	11.2	19.9
10 8	22 44.99	−13 43.1	1.420	2.294	15.4	20.1

353350 2010 VA_{116} 9 7.7 238.°30 0.°7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.37	− 0 31.8	4.694	5.470	7.4	21.3
8 9	23 18.35	− 0 40.9	4.595	5.467	5.9	21.2
8 19	23 14.51	− 0 56.1	4.519	5.464	4.2	21.0
8 29	23 10.06	− 1 16.3	4.471	5.460	2.3	20.9
9 8	23 5.30	− 1 39.8	4.451	5.457	0.7	20.8
9 18	23 0.53	− 2 4.9	4.462	5.453	1.9	20.9
9 28	22 56.08	− 2 29.6	4.503	5.450	3.8	21.0
10 8	22 52.26	− 2 52.0	4.572	5.446	5.6	21.1

342043 2008 RW_{119} 9 7.7 108.°30 4.°1/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.61	−15 43.1	1.814	2.649	15.1	20.6
8 9	23 32.39	−16 11.4	1.749	2.660	11.9	20.5
8 19	23 24.76	−16 43.1	1.706	2.670	8.3	20.3
8 29	23 15.35	−17 12.0	1.688	2.681	5.0	20.1
9 8	23 5.11	−17 31.9	1.697	2.691	4.4	20.1
9 18	22 55.13	−17 38.3	1.733	2.701	7.2	20.3
9 28	22 46.47	−17 28.6	1.795	2.710	10.6	20.5
10 8	22 39.91	−17 2.8	1.881	2.720	13.8	20.7

516095 2015 TT_{364} 9 7.7 3.°11 3.°7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.43	−15 22.1	2.281	3.119	12.4	21.2
8 9	23 25.63	−16 2.5	2.206	3.119	9.7	21.0
8 19	23 19.97	−16 46.7	2.153	3.119	6.7	20.8
8 29	23 12.94	−17 29.5	2.127	3.119	4.2	20.7
9 8	23 5.20	−18 5.6	2.127	3.119	4.0	20.7
9 18	22 57.52	−18 30.6	2.156	3.119	6.3	20.8
9 28	22 50.73	−18 41.2	2.211	3.120	9.2	21.0
10 8	22 45.45	−18 36.4	2.289	3.120	11.9	21.2

352227 2007 TV_{66} 9 7.7 302.°47 1.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.40	− 5 17.7	1.745	2.578	15.7	21.5
8 9	23 24.78	− 5 53.8	1.653	2.563	12.5	21.3
8 19	23 19.85	− 6 44.6	1.581	2.548	8.6	21.0
8 29	23 13.07	− 7 46.0	1.533	2.533	4.2	20.7
9 8	23 5.18	− 8 51.5	1.512	2.518	1.3	20.5
9 18	22 57.18	− 9 53.8	1.516	2.504	5.5	20.7
9 28	22 50.14	−10 45.8	1.547	2.489	10.0	21.0
10 8	22 44.94	−11 22.3	1.601	2.475	13.9	21.2

449331 2013 FE_{22} 9 7.7 28.°32 1.°9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.12	−10 5.9	2.061	2.890	13.8	21.2
8 9	23 27.11	−10 24.2	1.984	2.892	10.8	21.0
8 19	23 21.07	−10 49.6	1.928	2.894	7.3	20.8
8 29	23 13.52	−11 17.9	1.898	2.897	3.7	20.6
9 8	23 5.18	−11 44.2	1.896	2.899	2.1	20.4
9 18	22 56.93	−12 4.3	1.921	2.902	5.2	20.7
9 28	22 49.65	−12 14.2	1.972	2.905	8.8	20.9
10 8	22 44.05	−12 12.1	2.049	2.908	12.0	21.1

518282 2016 YM_{12} 9 7.7 226.°95 5.°4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.01	−22 53.7	2.604	3.438	11.1	22.0
8 9	23 26.72	−23 48.1	2.528	3.432	8.9	21.9
8 19	23 20.67	−24 41.7	2.475	3.426	6.8	21.8
8 29	23 13.27	−25 28.9	2.449	3.419	5.5	21.7
9 8	23 5.19	−26 4.4	2.450	3.412	5.9	21.7
9 18	22 57.15	−26 24.1	2.478	3.405	7.7	21.8
9 28	22 49.92	−26 25.9	2.533	3.398	9.9	21.9
10 8	22 44.13	−26 9.8	2.610	3.391	12.0	22.1

92258 2000 AF_{245} 9 7.7 264.°92 1.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.97	− 5 41.5	2.357	3.178	12.5	19.2
8 9	23 22.16	− 6 56.5	2.265	3.170	9.8	19.0
8 19	23 17.65	− 8 24.4	2.197	3.162	6.6	18.8
8 29	23 11.81	−10 0.4	2.155	3.154	3.2	18.6
9 8	23 5.24	−11 37.9	2.142	3.146	1.9	18.5
9 18	22 58.61	−13 10.2	2.159	3.138	5.0	18.7
9 28	22 52.67	−14 30.8	2.203	3.130	8.3	18.9
10 8	22 48.07	−15 35.5	2.273	3.121	11.4	19.1

252720 2002 CE_{201} 9 7.7 290.°69 1.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.77	− 8 30.2	4.228	5.041	7.6	20.2
8 9	23 18.01	− 9 6.2	4.136	5.036	5.9	20.1
8 19	23 14.35	− 9 46.8	4.068	5.031	3.9	19.9
8 29	23 10.01	−10 29.9	4.028	5.026	2.0	19.8
9 8	23 5.31	−11 12.8	4.017	5.021	1.1	19.7
9 18	23 0.61	−11 53.0	4.037	5.016	2.9	19.8
9 28	22 56.28	−12 28.1	4.085	5.011	4.9	20.0
10 8	22 52.64	−12 56.2	4.161	5.006	6.7	20.1

5493 Spitzweg 9 7.7 96.°46 0.°5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.29	− 4 59.5	1.573	2.398	17.5	17.4
8 9	23 30.87	− 5 17.7	1.510	2.414	13.8	17.2
8 19	23 23.88	− 5 49.3	1.466	2.429	9.5	17.0
8 29	23 14.97	− 6 30.2	1.446	2.444	4.7	16.7
9 8	23 5.14	− 7 14.1	1.452	2.459	0.6	16.5
9 18	22 55.56	− 7 54.4	1.485	2.474	5.3	16.9
9 28	22 47.36	− 8 25.4	1.544	2.488	9.8	17.2
10 8	22 41.38	− 8 43.4	1.626	2.502	13.7	17.4

48984 1998 QC_{47} 9 7.7 317.°44 3.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.23	− 9 31.9	1.276	2.140	18.6	18.5
8 9	23 26.42	−10 2.7	1.190	2.118	14.8	18.2
8 19	23 21.59	−10 47.7	1.122	2.096	10.2	17.9
8 29	23 14.17	−11 40.9	1.075	2.075	5.3	17.6
9 8	23 5.16	−12 33.6	1.051	2.055	3.4	17.4
9 18	22 55.90	−13 16.5	1.051	2.035	7.9	17.6
9 28	22 47.95	−13 41.5	1.073	2.016	13.2	17.8
10 8	22 42.55	−13 44.2	1.116	1.999	18.0	18.1

258009 2001 FE_{62} 9 7.7 189.°05 2.°2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.81	− 8 27.9	1.874	2.699	15.1	21.7
8 9	23 29.53	− 9 12.3	1.793	2.699	11.9	21.4
8 19	23 22.93	−10 7.6	1.732	2.698	8.1	21.2
8 29	23 14.53	−11 8.7	1.698	2.696	4.1	21.0
9 8	23 5.16	−12 8.7	1.690	2.693	2.4	20.9
9 18	22 55.80	−13 0.9	1.710	2.690	5.9	21.1
9 28	22 47.50	−13 39.8	1.757	2.687	9.9	21.3
10 8	22 41.11	−14 2.1	1.828	2.682	13.5	21.5

348149 2004 DH_{42} 9 7.7 216.°69 6.°0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.45	−21 28.7	2.310	3.151	12.1	21.3
8 9	23 26.57	−22 50.6	2.236	3.145	9.7	21.2
8 19	23 20.74	−24 13.9	2.185	3.139	7.4	21.0
8 29	23 13.38	−25 31.5	2.160	3.132	6.1	20.9
9 8	23 5.20	−26 36.3	2.162	3.124	6.6	20.9
9 18	22 57.02	−27 22.7	2.192	3.117	8.6	21.1
9 28	22 49.71	−27 47.5	2.247	3.109	11.1	21.2
10 8	22 43.99	−27 50.4	2.323	3.100	13.4	21.4

259989 2004 FG_{68} 9 7.7 96.°42 3.°1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.01	−10 40.5	1.647	2.485	16.3	20.4
8 9	23 29.75	−11 30.8	1.588	2.502	12.6	20.2
8 19	23 23.05	−12 30.2	1.550	2.519	8.6	20.0
8 29	23 14.53	−13 32.0	1.537	2.535	4.6	19.9
9 8	23 5.17	−14 28.4	1.550	2.551	3.5	19.8
9 18	22 56.06	−15 12.8	1.590	2.566	6.8	20.1
9 28	22 48.30	−15 40.2	1.656	2.581	10.7	20.3
10 8	22 42.65	−15 49.1	1.744	2.596	14.1	20.6

170661 2003 YV_{137} 9 7.7 118.°07 2.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.05	−10 41.8	1.985	2.819	14.0	20.2
8 9	23 26.37	−11 27.6	1.911	2.823	10.9	20.0
8 19	23 20.63	−12 21.7	1.859	2.826	7.4	19.8
8 29	23 13.32	−13 18.6	1.832	2.830	4.0	19.6
9 8	23 5.21	−14 12.1	1.833	2.833	3.0	19.6
9 18	22 57.18	−14 56.2	1.861	2.836	6.0	19.8
9 28	22 50.13	−15 26.4	1.916	2.840	9.5	20.0
10 8	22 44.80	−15 40.4	1.994	2.843	12.7	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
486577 2013 *JR*			9 7.7 297°.15	6°.3/ 1.3 18		
	h m	° ′			°	m
7 30	23 33.61	−24 10.8	2.250	3.087	12.5	21.1
8 9	23 29.01	−24 56.6	2.179	3.084	10.1	20.9
8 19	23 22.35	−25 40.1	2.131	3.081	7.8	20.7
8 29	23 14.15	−26 14.9	2.108	3.077	6.4	20.6
9 8	23 5.18	−26 35.3	2.112	3.074	6.7	20.7
9 18	22 56.35	−26 37.2	2.142	3.071	8.6	20.8
9 28	22 48.54	−26 19.2	2.198	3.068	11.0	20.9
10 8	22 42.46	−25 42.1	2.276	3.065	13.3	21.1
267187 2000 QX_{145}			9 7.7 21°.72	1°.5/ 6.3 16		
7 30	23 20.81	− 2 20.4	1.050	1.921	21.2	18.8
8 9	23 20.50	− 3 36.5	1.003	1.934	16.6	18.5
8 19	23 17.26	− 5 18.0	0.973	1.949	11.2	18.3
8 29	23 11.79	− 7 15.6	0.963	1.965	5.3	18.0
9 8	23 5.27	− 9 15.8	0.976	1.982	1.8	17.9
9 18	22 59.01	−11 4.5	1.012	2.002	7.1	18.3
9 28	22 54.31	−12 30.4	1.071	2.022	12.3	18.6
10 8	22 52.05	−13 27.6	1.150	2.044	16.7	18.9
509369 2007 BD_{37}			9 7.7 106°.36	3°.4/11.4 18		
7 30	23 30.71	+ 6 22.0	2.467	3.222	13.8	21.5
8 9	23 26.40	+ 6 36.9	2.387	3.235	11.4	21.3
8 19	23 20.40	+ 6 37.5	2.327	3.249	8.7	21.2
8 29	23 13.13	+ 6 24.2	2.291	3.262	5.8	21.0
9 8	23 5.23	+ 5 58.8	2.283	3.276	3.6	20.9
9 18	22 57.39	+ 5 24.6	2.303	3.289	4.1	21.0
9 28	22 50.34	+ 4 45.9	2.352	3.301	6.6	21.1
10 8	22 44.69	+ 4 7.2	2.427	3.314	9.3	21.3
330537 2007 YB_{65}			9 7.7 270°.13	2°.4/ 9.5 18		
7 30	23 31.49	+ 1 39.2	1.528	2.339	18.6	21.7
8 9	23 28.40	+ 1 44.0	1.437	2.327	15.2	21.5
8 19	23 22.60	+ 1 29.5	1.364	2.316	11.2	21.2
8 29	23 14.56	+ 0 56.6	1.314	2.304	6.5	20.9
9 8	23 5.17	+ 0 9.2	1.287	2.292	2.6	20.6
9 18	22 55.60	− 0 46.6	1.287	2.280	5.2	20.8
9 28	22 47.17	− 1 42.7	1.312	2.268	10.0	21.0
10 8	22 40.94	− 2 31.3	1.360	2.255	14.5	21.2
284265 2006 HO_{22}			9 7.7 38°.45	1°.0/ 6.8 18		
7 30	23 28.80	− 5 3.4	1.656	2.490	16.4	20.5
8 9	23 25.79	− 5 38.5	1.585	2.495	12.9	20.2
8 19	23 20.44	− 6 27.8	1.534	2.500	8.8	20.0
8 29	23 13.30	− 7 26.7	1.506	2.505	4.3	19.8
9 8	23 5.24	− 8 28.4	1.504	2.511	1.1	19.6
9 18	22 57.26	− 9 25.7	1.529	2.517	5.4	19.9
9 28	22 50.43	−10 12.1	1.579	2.523	9.7	20.1
10 8	22 45.55	−10 43.1	1.653	2.529	13.5	20.4
287779 2003 SZ_{98}			9 7.7 40°.20	5°.5/12.7 18		
7 30	23 31.83	+ 8 58.8	1.982	2.737	16.8	19.5
8 9	23 27.74	+ 9 49.0	1.909	2.752	14.1	19.3
8 19	23 21.57	+10 21.9	1.855	2.767	11.1	19.1
8 29	23 13.80	+10 35.9	1.823	2.782	8.0	19.0
9 8	23 5.22	+10 31.9	1.817	2.798	5.8	18.9
9 18	22 56.73	+10 12.5	1.837	2.814	5.9	18.9
9 28	22 49.26	+ 9 42.6	1.884	2.831	8.1	19.1
10 8	22 43.53	+ 9 8.1	1.956	2.848	10.9	19.3
218058 2002 EA_{45}			9 7.7 89°.64	1°.4/ 9.1 18		
7 30	23 30.51	− 0 28.2	2.262	3.055	13.8	20.4
8 9	23 26.43	− 0 24.6	2.180	3.061	11.1	20.2
8 19	23 20.52	− 0 32.8	2.119	3.068	7.9	20.0
8 29	23 13.24	− 0 51.1	2.083	3.074	4.4	19.8
9 8	23 5.24	− 1 16.5	2.075	3.080	1.5	19.6
9 18	22 57.30	− 1 45.3	2.095	3.087	3.7	19.8
9 28	22 50.20	− 2 13.2	2.143	3.093	7.1	20.0
10 8	22 44.60	− 2 36.3	2.217	3.099	10.3	20.2
514191 2015 MX_{98}			9 7.7 1°.02	2°.1/ 5.6 18		
7 30	23 27.13	− 7 32.4	1.777	2.616	15.2	21.5
8 9	23 24.38	− 8 23.6	1.701	2.615	11.9	21.3
8 19	23 19.44	− 9 27.3	1.646	2.615	8.1	21.0
8 29	23 12.80	−10 38.0	1.616	2.615	4.0	20.8
9 8	23 5.27	−11 48.4	1.611	2.615	2.4	20.7
9 18	22 57.77	−12 51.3	1.634	2.616	5.9	20.9
9 28	22 51.29	−13 40.3	1.683	2.617	9.9	21.2
10 8	22 46.62	−14 11.7	1.754	2.618	13.5	21.4
228915 2003 SF_{206}			9 7.7 358°.40	3°.1/11.2 18		
7 30	23 25.04	+ 6 24.4	2.119	2.896	15.1	20.6
8 9	23 22.39	+ 6 15.4	2.030	2.895	12.5	20.4
8 19	23 17.90	+ 5 48.2	1.961	2.894	9.4	20.2
8 29	23 11.99	+ 5 3.7	1.916	2.894	6.1	20.0
9 8	23 5.30	+ 4 5.1	1.896	2.894	3.4	19.8
9 18	22 58.60	+ 2 57.3	1.904	2.894	4.1	19.9
9 28	22 52.69	+ 1 46.6	1.939	2.895	7.3	20.1
10 8	22 48.26	+ 0 39.7	1.999	2.895	10.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
476939 2008 WL_{138}			9 7.7 297°.65	6°.4/ 1.6 18		
	h m	° ′			°	m
7 30	23 29.75	−18 21.1	1.688	2.545	15.1	20.5
8 9	23 26.80	−19 37.7	1.611	2.533	12.0	20.3
8 19	23 21.34	−20 59.6	1.555	2.520	8.8	20.1
8 29	23 13.85	−22 18.1	1.523	2.508	6.6	19.9
9 8	23 5.24	−23 23.7	1.517	2.496	7.0	19.9
9 18	22 56.59	−24 8.6	1.536	2.484	9.8	20.0
9 28	22 49.08	−24 28.1	1.578	2.472	13.2	20.2
10 8	22 43.65	−24 21.5	1.641	2.460	16.4	20.4
424622 2008 JZ_{36}			9 7.7 151°.70	1°.2/ 6.5 17		
7 30	23 32.82	− 5 56.3	1.839	2.660	15.5	22.3
8 9	23 28.71	− 6 35.3	1.763	2.667	12.2	22.1
8 19	23 22.34	− 7 26.9	1.709	2.673	8.3	21.9
8 29	23 14.23	− 8 26.3	1.680	2.678	4.1	21.6
9 8	23 5.23	− 9 27.2	1.677	2.683	1.4	21.5
9 18	22 56.32	−10 22.8	1.703	2.688	5.3	21.7
9 28	22 48.50	−11 7.2	1.755	2.692	9.4	22.0
10 8	22 42.57	−11 36.9	1.832	2.696	13.0	22.2
307123 2002 CN_{126}			9 7.7 239°.83	2°.3/ 5.2 18		
7 30	23 27.23	− 5 48.0	1.819	2.652	15.2	20.4
8 9	23 24.50	− 7 11.1	1.735	2.647	11.9	20.1
8 19	23 19.57	− 8 50.8	1.673	2.641	8.0	19.9
8 29	23 12.91	−10 40.7	1.637	2.636	4.0	19.6
9 8	23 5.28	−12 31.9	1.627	2.630	2.6	19.5
9 18	22 57.59	−14 14.9	1.646	2.624	6.3	19.8
9 28	22 50.86	−15 41.4	1.691	2.618	10.3	20.0
10 8	22 45.90	−16 46.4	1.760	2.612	14.0	20.2
38001 1998 KM_{37}			9 7.7 35°.83	2°.4/ 5.8 18 R		
7 30	23 28.60	− 7 31.2	1.268	2.127	19.0	17.6
8 9	23 26.06	− 8 20.0	1.222	2.147	14.7	17.4
8 19	23 20.77	− 9 23.1	1.195	2.168	9.9	17.2
8 29	23 13.46	−10 32.7	1.190	2.191	4.9	17.0
9 8	23 5.27	−11 39.3	1.209	2.214	2.7	16.9
9 18	22 57.45	−12 34.5	1.253	2.238	6.9	17.3
9 28	22 51.18	−13 11.7	1.321	2.262	11.4	17.6
10 8	22 47.27	−13 28.3	1.410	2.287	15.3	17.9
442098 2010 TQ_{67}			9 7.7 195°.71	0°.0/ 7.6 18		
7 30	23 31.10	− 4 43.0	2.364	3.169	13.0	21.4
8 9	23 26.87	− 4 50.7	2.275	3.168	10.3	21.2
8 19	23 20.83	− 5 7.6	2.209	3.166	7.1	21.0
8 29	23 13.42	− 5 31.2	2.168	3.165	3.6	20.8
9 8	23 5.27	− 5 58.1	2.156	3.163	0.1	20.5
9 18	22 57.14	− 6 24.3	2.172	3.162	3.9	20.8
9 28	22 49.80	− 6 46.0	2.217	3.160	7.4	21.1
10 8	22 43.91	− 7 0.0	2.287	3.158	10.5	21.3
36319 2000 LO_{20}			9 7.7 12°.97	4°.4/10.9 18		
7 30	23 22.93	+ 5 11.6	0.967	1.817	24.2	17.8
8 9	23 22.59	+ 5 24.1	0.910	1.820	20.0	17.5
8 19	23 19.02	+ 5 5.2	0.867	1.825	14.9	17.2
8 29	23 12.84	+ 4 15.1	0.842	1.831	9.4	17.0
9 8	23 5.29	+ 3 0.0	0.837	1.839	4.8	16.7
9 18	22 57.86	+ 1 30.7	0.853	1.848	6.3	16.9
9 28	22 52.13	+ 0 1.1	0.890	1.859	11.5	17.2
10 8	22 49.18	− 1 16.3	0.947	1.870	16.5	17.5
60445 2000 CA_{87}			9 7.7 100°.18	0°.3/ 7.4 18		
7 30	23 30.80	− 4 43.5	1.940	2.758	14.9	19.2
8 9	23 27.02	− 5 1.3	1.861	2.761	11.8	19.0
8 19	23 21.12	− 5 30.7	1.803	2.765	8.1	18.8
8 29	23 13.62	− 6 8.5	1.770	2.768	4.0	18.5
9 8	23 5.27	− 6 49.8	1.764	2.771	0.4	18.2
9 18	22 56.98	− 7 29.2	1.785	2.775	4.6	18.6
9 28	22 49.68	− 8 1.6	1.834	2.778	8.5	18.8
10 8	22 44.13	− 8 23.2	1.907	2.781	12.1	19.0
234031 1998 SL_{90}			9 7.7 29°.16	0°.9/ 6.7 18		
7 30	23 23.83	− 1 44.8	1.407	2.251	18.3	19.4
8 9	23 22.21	− 2 58.5	1.347	2.262	14.4	19.2
8 19	23 18.13	− 4 33.7	1.305	2.274	9.8	19.0
8 29	23 12.19	− 6 23.7	1.286	2.286	4.7	18.7
9 8	23 5.31	− 8 18.1	1.293	2.300	1.1	18.5
9 18	22 58.59	−10 5.7	1.326	2.314	5.9	18.9
9 28	22 53.11	−11 36.5	1.383	2.329	10.6	19.2
10 8	22 49.70	−12 44.4	1.463	2.345	14.6	19.5
266557 2008 GF_{38}			9 7.7 69°.44	3°.7/ 4.8 17		
7 30	23 33.34	−11 46.7	1.473	2.322	17.3	20.7
8 9	23 29.58	−12 33.6	1.414	2.334	13.5	20.5
8 19	23 23.13	−13 29.5	1.376	2.346	9.2	20.3
8 29	23 14.66	−14 27.1	1.361	2.358	5.1	20.1
9 8	23 5.24	−15 17.9	1.371	2.370	4.1	20.0
9 18	22 56.07	−15 54.8	1.407	2.382	7.5	20.3
9 28	22 48.37	−16 13.0	1.467	2.395	11.6	20.5
10 8	22 42.97	−16 11.2	1.550	2.407	15.3	20.8

342599 2008 UT_{308} 9 7.7 17°.73 0°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.30	− 7 20.0	1.363	2.210	18.6	19.8
8 9	23 29.02	− 7 16.4	1.298	2.215	14.7	19.6
8 19	23 22.92	− 7 24.4	1.251	2.220	10.1	19.4
8 29	23 14.63	− 7 40.0	1.226	2.226	5.0	19.1
9 8	23 5.24	− 7 57.5	1.226	2.233	1.0	18.8
9 18	22 56.04	− 8 11.1	1.251	2.241	5.9	19.2
9 28	22 48.32	− 8 15.7	1.300	2.249	10.7	19.5
10 8	22 43.02	− 8 8.3	1.371	2.259	15.0	19.8

383036 2005 QN_{3} 9 7.7 340°.39 0°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.29	− 1 44.1	1.063	1.932	21.1	20.0
8 9	23 20.47	− 1 51.0	0.985	1.913	17.1	19.7
8 19	23 17.66	− 2 21.4	0.923	1.895	12.2	19.3
8 29	23 12.27	− 3 13.0	0.880	1.879	6.4	19.0
9 8	23 5.31	− 4 18.9	0.857	1.865	0.8	18.6
9 18	22 58.17	− 5 28.7	0.857	1.852	6.3	18.9
9 28	22 52.42	− 6 30.7	0.878	1.842	12.3	19.2
10 8	22 49.31	− 7 15.5	0.918	1.833	17.7	19.5

515858 2015 OX_{82} 9 7.7 280°.33 1°.6/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.03	− 7 58.6	2.059	2.887	13.8	21.9
8 9	23 25.58	− 8 32.1	1.975	2.882	10.9	21.7
8 19	23 20.13	− 9 15.4	1.913	2.878	7.4	21.4
8 29	23 13.13	−10 4.3	1.875	2.874	3.7	21.2
9 8	23 5.30	−10 53.2	1.865	2.870	1.8	21.1
9 18	22 57.46	−11 36.6	1.883	2.866	5.1	21.3
9 28	22 50.52	−12 9.7	1.927	2.862	8.8	21.5
10 8	22 45.19	−12 29.3	1.996	2.858	12.2	21.7

388609 2007 RG_{296} 9 7.7 40°.69 2°.5/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.88	− 9 23.2	1.661	2.504	15.9	21.1
8 9	23 26.61	−10 3.2	1.594	2.511	12.4	20.9
8 19	23 20.99	−10 53.6	1.548	2.518	8.4	20.6
8 29	23 13.59	−11 48.5	1.526	2.525	4.3	20.4
9 8	23 5.29	−12 40.8	1.530	2.533	2.8	20.3
9 18	22 57.13	−13 23.9	1.560	2.541	6.3	20.6
9 28	22 50.17	−13 52.3	1.616	2.549	10.3	20.8
10 8	22 45.19	−14 3.7	1.694	2.558	13.9	21.1

80500 2000 AP_{53} 9 7.7 66°.01 4°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.95	+ 5 28.3	1.426	2.221	20.4	18.8
8 9	23 30.80	+ 5 51.9	1.370	2.245	16.8	18.6
8 19	23 23.94	+ 5 53.2	1.331	2.269	12.6	18.4
8 29	23 15.06	+ 5 32.5	1.313	2.293	8.1	18.3
9 8	23 5.25	+ 4 53.6	1.319	2.317	4.6	18.1
9 18	22 55.75	+ 4 2.7	1.351	2.341	5.6	18.3
9 28	22 47.77	+ 3 8.0	1.408	2.364	9.4	18.5
10 8	22 42.17	+ 2 17.3	1.489	2.388	13.3	18.8

505736 2015 BB_{28} 9 7.7 164°.02 1°.5/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.19	+ 1 8.3	2.047	2.835	15.3	22.3
8 9	23 28.80	+ 0 52.4	1.963	2.841	12.3	22.1
8 19	23 22.32	+ 0 21.1	1.900	2.846	8.8	21.9
8 29	23 14.23	− 0 23.6	1.861	2.851	5.0	21.6
9 8	23 5.29	− 1 17.4	1.849	2.855	1.6	21.4
9 18	22 56.38	− 2 14.9	1.866	2.858	4.0	21.6
9 28	22 48.43	− 3 10.1	1.912	2.861	7.9	21.8
10 8	22 42.18	− 3 57.6	1.983	2.862	11.4	22.1

519525 2012 HP_{86} 9 7.7 109°.38 1°.8/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.87	− 5 40.3	1.592	2.426	16.9	22.0
8 9	23 27.51	− 6 38.4	1.524	2.435	13.3	21.8
8 19	23 21.68	− 7 51.9	1.477	2.444	9.0	21.6
8 29	23 13.97	− 9 14.5	1.454	2.453	4.4	21.3
9 8	23 5.30	−10 37.9	1.457	2.462	2.0	21.2
9 18	22 56.76	−11 53.2	1.487	2.471	6.1	21.5
9 28	22 49.47	−12 53.3	1.542	2.479	10.4	21.8
10 8	22 44.25	−13 33.7	1.621	2.487	14.2	22.0

81123 2000 EA_{128} 9 7.7 236°.55 1°.4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.75	− 5 4.5	1.666	2.498	16.4	19.9
8 9	23 26.68	− 5 53.4	1.584	2.493	13.0	19.6
8 19	23 21.20	− 6 58.3	1.522	2.489	8.9	19.4
8 29	23 13.79	− 8 14.0	1.484	2.484	4.4	19.1
9 8	23 5.31	− 9 33.0	1.472	2.479	1.6	18.9
9 18	22 56.79	−10 46.9	1.487	2.473	5.8	19.2
9 28	22 49.36	−11 48.1	1.528	2.468	10.3	19.4
10 8	22 43.91	−12 31.5	1.592	2.462	14.3	19.7

24046 Malovany 9 7.7 358°.21 2°.3/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.68	− 9 9.9	1.083	1.955	20.6	18.4
8 9	23 27.76	− 9 17.0	1.020	1.951	16.3	18.2
8 19	23 22.53	− 9 37.0	0.973	1.948	11.2	17.9
8 29	23 14.62	−10 4.1	0.946	1.947	5.6	17.6
9 8	23 5.28	−10 30.4	0.941	1.947	2.5	17.4
9 18	22 56.07	−10 47.9	0.959	1.948	7.5	17.7
9 28	22 48.57	−10 50.4	0.999	1.950	12.9	18.0
10 8	22 43.93	−10 35.0	1.058	1.954	17.7	18.3

518412 2018 CV_{15} 9 7.7 162°.98 4°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.94	−21 41.2	2.924	3.750	10.2	22.1
8 9	23 27.16	−22 29.7	2.854	3.756	8.1	21.9
8 19	23 20.83	−23 17.6	2.809	3.761	6.1	21.8
8 29	23 13.36	−24 0.0	2.791	3.765	4.7	21.7
9 8	23 5.33	−24 32.4	2.802	3.769	5.0	21.7
9 18	22 57.40	−24 51.6	2.841	3.773	6.6	21.8
9 28	22 50.23	−24 55.7	2.907	3.776	8.6	22.0
10 8	22 44.35	−24 44.6	2.997	3.779	10.6	22.1

37555 1981 EG_{47} 9 7.7 91°.81 1°.6/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.06	+ 0 59.1	1.813	2.614	16.5	20.0
8 9	23 27.30	+ 0 45.9	1.741	2.627	13.2	19.8
8 19	23 21.36	+ 0 16.0	1.689	2.640	9.4	19.6
8 29	23 13.75	− 0 28.0	1.661	2.653	5.3	19.4
9 8	23 5.32	− 1 21.5	1.660	2.665	1.6	19.1
9 18	22 57.02	− 2 18.4	1.685	2.678	4.3	19.4
9 28	22 49.81	− 3 12.2	1.738	2.690	8.3	19.6
10 8	22 44.44	− 3 57.4	1.816	2.702	11.9	19.9

220987 2005 NZ_{29} 9 7.7 333°.30 0°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.03	− 2 55.8	1.194	2.050	20.0	19.8
8 9	23 23.96	− 3 5.3	1.113	2.034	16.1	19.5
8 19	23 19.92	− 3 34.9	1.049	2.019	11.4	19.2
8 29	23 13.38	− 4 21.8	1.006	2.005	5.9	18.9
9 8	23 5.33	− 5 19.2	0.984	1.992	0.3	18.4
9 18	22 57.11	− 6 18.0	0.986	1.980	6.1	18.8
9 28	22 50.23	− 7 8.4	1.011	1.969	11.9	19.1
10 8	22 45.89	− 7 42.7	1.055	1.960	17.0	19.4

370661 2004 CA_{61} 9 7.7 144°.49 2°.2/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.16	− 9 40.8	1.845	2.670	15.3	21.5
8 9	23 31.30	−10 12.3	1.774	2.679	12.0	21.3
8 19	23 24.10	−10 52.6	1.723	2.688	8.2	21.1
8 29	23 15.13	−11 36.5	1.698	2.696	4.2	20.9
9 8	23 5.28	−12 17.8	1.700	2.704	2.5	20.8
9 18	22 55.59	−12 50.9	1.731	2.711	5.9	21.0
9 28	22 47.08	−13 11.2	1.788	2.717	9.7	21.3
10 8	22 40.56	−13 16.7	1.869	2.723	13.2	21.5

92065 1999 WC_{13} 9 7.7 68°.33 4°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.27	−18 37.6	2.159	2.996	13.0	19.2
8 9	23 28.73	−19 12.8	2.091	3.001	10.2	19.0
8 19	23 22.16	−19 49.1	2.045	3.006	7.3	18.9
8 29	23 14.10	−20 20.8	2.024	3.011	5.0	18.7
9 8	23 5.32	−20 42.5	2.031	3.016	5.0	18.8
9 18	22 56.69	−20 50.1	2.065	3.021	7.2	18.9
9 28	22 49.11	−20 41.4	2.126	3.026	10.0	19.1
10 8	22 43.24	−20 16.5	2.210	3.031	12.6	19.3

128263 2003 SL_{303} 9 7.7 97°.85 2°.2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.40	+ 1 38.1	2.039	2.820	15.5	19.4
8 9	23 30.34	+ 1 47.9	1.971	2.843	12.6	19.2
8 19	23 23.23	+ 1 43.7	1.923	2.865	9.1	19.0
8 29	23 14.62	+ 1 26.7	1.900	2.886	5.3	18.8
9 8	23 5.31	+ 1 0.2	1.904	2.907	2.3	18.7
9 18	22 56.18	+ 0 28.2	1.937	2.928	4.0	18.8
9 28	22 48.14	− 0 4.3	1.998	2.948	7.5	19.1
10 8	22 41.87	− 0 32.7	2.085	2.967	10.8	19.3

301327 2009 BP_{173} 9 7.7 192°.92 4°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.95	−16 41.8	2.262	3.096	12.5	21.2
8 9	23 27.71	−17 37.6	2.185	3.095	9.9	21.0
8 19	23 21.51	−18 37.2	2.131	3.093	7.0	20.8
8 29	23 13.81	−19 34.4	2.103	3.091	4.7	20.7
9 8	23 5.34	−20 23.2	2.103	3.088	4.7	20.7
9 18	22 56.91	−20 58.4	2.131	3.085	7.0	20.8
9 28	22 49.38	−21 16.6	2.185	3.082	9.9	21.0
10 8	22 43.46	−21 17.0	2.263	3.078	12.6	21.2

476658 2008 SP_{303} 9 7.7 297°.02 4°.7/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.94	+ 4 9.4	1.710	2.497	17.9	20.9
8 9	23 30.34	+ 4 58.8	1.599	2.469	15.0	20.6
8 19	23 24.07	+ 5 33.9	1.506	2.441	11.6	20.3
8 29	23 15.46	+ 5 52.9	1.436	2.413	7.8	20.1
9 8	23 5.28	+ 5 55.5	1.390	2.385	4.9	19.8
9 18	22 54.63	+ 5 43.9	1.370	2.357	6.0	19.8
9 28	22 44.83	+ 5 22.7	1.377	2.330	9.9	20.0
10 8	22 37.06	+ 4 58.3	1.407	2.302	14.2	20.2

315101 2007 EU_{5} 9 7.7 103°.92 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.64	− 2 21.8	2.466	3.265	12.7	21.5
8 9	23 24.79	− 2 44.6	2.390	3.278	10.0	21.3
8 19	23 19.31	− 3 18.1	2.337	3.291	7.0	21.1
8 29	23 12.64	− 3 59.8	2.309	3.304	3.6	21.0
9 8	23 5.39	− 4 45.6	2.310	3.317	0.3	20.7
9 18	22 58.21	− 5 31.3	2.339	3.329	3.5	21.0
9 28	22 51.82	− 6 12.6	2.397	3.342	6.8	21.2
10 8	22 46.76	− 6 45.8	2.481	3.354	9.7	21.4

103906 2000 DJ_{58} 9 7.7 115°.85 1°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.52	− 0 5.1	2.010	2.809	15.1	20.0
8 9	23 26.74	− 0 12.0	1.929	2.814	12.2	19.8
8 19	23 20.93	− 0 33.0	1.868	2.819	8.7	19.6
8 29	23 13.56	− 1 6.2	1.832	2.823	4.8	19.4
9 8	23 5.36	− 1 47.5	1.822	2.828	1.4	19.2
9 18	22 57.21	− 2 32.1	1.840	2.832	4.0	19.4
9 28	22 50.00	− 3 14.4	1.886	2.837	7.8	19.6
10 8	22 44.46	− 3 49.8	1.957	2.841	11.3	19.8

151248 2002 AA_{26} 9 7.7 310°.85 2°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.97	− 8 24.4	1.960	2.796	14.1	20.5
8 9	23 24.14	− 9 11.5	1.874	2.786	11.1	20.3
8 19	23 19.26	−10 9.5	1.809	2.777	7.5	20.0
8 29	23 12.78	−11 13.7	1.769	2.768	3.8	19.8
9 8	23 5.39	−12 17.5	1.756	2.759	2.4	19.7
9 18	22 57.96	−13 14.5	1.770	2.751	5.7	19.9
9 28	22 51.41	−13 58.8	1.811	2.742	9.5	20.1
10 8	22 46.51	−14 26.9	1.875	2.734	12.9	20.3

398109 2009 SD_{248} 9 7.7 251°.99 0°.3/ 7.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.72	− 5 49.9	4.759	5.558	7.0	22.2
8 9	23 17.89	− 6 13.5	4.660	5.551	5.4	22.1
8 19	23 14.26	− 6 41.9	4.586	5.545	3.7	22.0
8 29	23 10.02	− 7 13.3	4.540	5.538	1.8	21.8
9 8	23 5.48	− 7 45.8	4.524	5.531	0.4	21.7
9 18	23 0.92	− 8 17.4	4.537	5.524	2.2	21.8
9 28	22 56.68	− 8 46.0	4.581	5.517	4.1	22.0
10 8	22 53.05	− 9 10.0	4.652	5.509	5.8	22.1

481618 2007 UM_{36} 9 7.7 318°.00 5°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.78	−16 47.8	1.496	2.359	16.4	21.0
8 9	23 27.34	−17 37.0	1.406	2.332	13.1	20.7
8 19	23 22.08	−18 32.9	1.335	2.305	9.5	20.5
8 29	23 14.44	−19 27.6	1.287	2.279	6.4	20.2
9 8	23 5.34	−20 11.7	1.264	2.253	6.4	20.2
9 18	22 56.02	−20 36.9	1.264	2.228	9.7	20.3
9 28	22 47.88	−20 37.6	1.288	2.204	13.8	20.5
10 8	22 42.06	−20 12.7	1.332	2.181	17.8	20.6

309091 2006 VC_{106} 9 7.7 7°.28 0°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.11	− 5 22.3	1.833	2.660	15.3	20.9
8 9	23 25.87	− 5 42.1	1.754	2.660	12.1	20.7
8 19	23 20.45	− 6 13.8	1.697	2.661	8.3	20.4
8 29	23 13.36	− 6 53.9	1.663	2.662	4.1	20.2
9 8	23 5.39	− 7 37.0	1.656	2.663	0.7	19.9
9 18	22 57.46	− 8 17.5	1.676	2.664	4.8	20.3
9 28	22 50.54	− 8 49.8	1.722	2.666	8.9	20.5
10 8	22 45.41	− 9 10.2	1.792	2.668	12.6	20.7

200947 2002 BK_{12} 9 7.7 210°.22 2°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.44	− 8 57.9	1.750	2.590	15.4	20.8
8 9	23 26.29	− 9 58.9	1.674	2.589	12.0	20.6
8 19	23 20.85	−11 12.0	1.619	2.588	8.2	20.4
8 29	23 13.60	−12 30.9	1.588	2.586	4.3	20.1
9 8	23 5.38	−13 47.7	1.584	2.585	3.1	20.1
9 18	22 57.19	−14 54.4	1.607	2.584	6.6	20.3
9 28	22 50.06	−15 44.6	1.655	2.582	10.6	20.5
10 8	22 44.83	−16 15.0	1.727	2.581	14.1	20.7

115798 2003 UA_{230} 9 7.7 285°.77 1°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.79	− 7 26.3	2.396	3.219	12.3	20.2
8 9	23 23.59	− 8 2.7	2.302	3.207	9.7	20.0
8 19	23 18.68	− 8 48.5	2.230	3.195	6.6	19.8
8 29	23 12.43	− 9 39.9	2.185	3.183	3.3	19.5
9 8	23 5.43	−10 32.1	2.166	3.171	1.5	19.4
9 18	22 58.37	−11 20.3	2.177	3.160	4.6	19.6
9 28	22 52.01	−11 59.8	2.215	3.148	7.9	19.8
10 8	22 46.99	−12 27.3	2.278	3.136	11.0	20.0

224567 2005 WT_{195} 9 7.7 247°.45 2°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.17	−10 54.7	2.459	3.288	11.8	20.4
8 9	23 23.84	−11 48.2	2.371	3.281	9.2	20.2
8 19	23 18.81	−12 49.3	2.307	3.273	6.3	20.0
8 29	23 12.47	−13 53.2	2.269	3.265	3.5	19.8
9 8	23 5.42	−14 54.6	2.259	3.257	2.8	19.7
9 18	22 58.35	−15 48.1	2.277	3.249	5.4	19.9
9 28	22 51.98	−16 29.5	2.323	3.241	8.4	20.1
10 8	22 46.94	−16 56.1	2.394	3.232	11.2	20.2

222851 2002 EA_{109} 9 7.7 256°.89 0°.0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.26	− 4 29.0	4.660	5.454	7.2	21.0
8 9	23 18.33	− 4 47.4	4.560	5.447	5.7	20.8
8 19	23 14.58	− 5 10.9	4.484	5.439	3.9	20.7
8 29	23 10.21	− 5 38.1	4.436	5.432	1.9	20.5
9 8	23 5.51	− 6 7.0	4.417	5.424	0.1	20.3
9 18	23 0.80	− 6 35.6	4.428	5.416	2.1	20.5
9 28	22 56.41	− 7 2.0	4.469	5.409	4.0	20.7
10 8	22 52.65	− 7 24.3	4.537	5.401	5.8	20.8

250107 2002 JP_{82} 9 7.7 168°.02 2°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.32	−13 29.7	2.902	3.722	10.5	21.3
8 9	23 25.90	−14 7.7	2.823	3.726	8.1	21.2
8 19	23 20.00	−14 49.6	2.767	3.730	5.6	21.0
8 29	23 12.99	−15 31.4	2.739	3.733	3.2	20.9
9 8	23 5.43	−16 9.0	2.740	3.736	2.8	20.8
9 18	22 57.92	−16 38.8	2.771	3.738	4.9	21.0
9 28	22 51.08	−16 58.1	2.830	3.740	7.4	21.2
10 8	22 45.46	−17 5.4	2.915	3.741	9.7	21.3

402783 2007 CS_{47} 9 7.7 167°.34 1°.4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.61	− 7 22.3	2.754	3.566	11.1	22.2
8 9	23 23.90	− 8 12.5	2.670	3.570	8.7	22.0
8 19	23 18.69	− 9 11.1	2.611	3.574	5.9	21.8
8 29	23 12.36	−10 14.1	2.578	3.577	2.9	21.6
9 8	23 5.45	−11 17.0	2.575	3.579	1.6	21.5
9 18	22 58.56	−12 15.1	2.601	3.581	4.2	21.7
9 28	22 52.32	−13 4.4	2.656	3.583	7.1	21.9
10 8	22 47.27	−13 41.9	2.737	3.584	9.7	22.1

404060 2012 DJ_{27} 9 7.7 199°.91 0°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.38	− 6 4.9	2.679	3.483	11.6	21.6
8 9	23 26.11	− 6 15.8	2.588	3.481	9.2	21.4
8 19	23 20.24	− 6 34.1	2.521	3.479	6.3	21.2
8 29	23 13.16	− 6 57.6	2.479	3.476	3.1	21.0
9 8	23 5.44	− 7 22.7	2.466	3.473	0.5	20.8
9 18	22 57.72	− 7 46.3	2.483	3.471	3.6	21.0
9 28	22 50.68	− 8 4.9	2.529	3.467	6.8	21.2
10 8	22 44.92	− 8 16.0	2.600	3.464	9.6	21.4

119928 2002 EZ_{140} 9 7.7 301°.11 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.52	− 7 31.4	2.127	2.946	13.8	20.1
8 9	23 27.49	− 7 38.9	2.039	2.941	10.9	19.9
8 19	23 21.45	− 7 54.7	1.973	2.936	7.5	19.7
8 29	23 13.85	− 8 15.6	1.932	2.930	3.7	19.4
9 8	23 5.41	− 8 37.4	1.919	2.925	1.0	19.2
9 18	22 56.97	− 8 56.1	1.933	2.920	4.6	19.5
9 28	22 49.42	− 9 7.8	1.975	2.915	8.3	19.7
10 8	22 43.49	− 9 9.8	2.042	2.910	11.6	19.9

288727 2004 RT_{44} 9 7.7 16°.44 0°.5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.43	− 7 27.4	1.873	2.696	15.2	20.2
8 9	23 29.16	− 7 17.2	1.796	2.699	12.0	20.0
8 19	23 22.66	− 7 15.1	1.740	2.703	8.3	19.7
8 29	23 14.46	− 7 18.2	1.709	2.707	4.1	19.5
9 8	23 5.40	− 7 22.8	1.704	2.711	0.6	19.2
9 18	22 56.44	− 7 25.1	1.727	2.716	4.7	19.6
9 28	22 48.58	− 7 21.8	1.777	2.722	8.7	19.8
10 8	22 42.58	− 7 10.2	1.851	2.727	12.3	20.1

236582 2006 HT_{104} 9 7.7 139°.74 0°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.66	− 1 50.8	2.114	2.919	14.3	21.0
8 9	23 25.95	− 2 35.7	2.036	2.928	11.3	20.8
8 19	23 20.32	− 3 34.9	1.980	2.937	7.8	20.6
8 29	23 13.25	− 4 44.6	1.949	2.945	3.9	20.4
9 8	23 5.44	− 5 59.2	1.945	2.953	0.1	20.0
9 18	22 57.69	− 7 12.4	1.971	2.960	4.2	20.4
9 28	22 50.83	− 8 18.0	2.024	2.967	7.9	20.7
10 8	22 45.54	− 9 11.3	2.103	2.973	11.3	20.9

312921 2011 WF_{16} 9 7.7 66°.33 0°.2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.18	− 1 57.2	1.196	2.038	20.9	20.5
8 9	23 29.15	− 2 36.4	1.143	2.056	16.6	20.2
8 19	23 23.11	− 3 37.3	1.108	2.074	11.4	20.0
8 29	23 14.78	− 4 53.9	1.094	2.093	5.7	19.8
9 8	23 5.39	− 6 16.5	1.104	2.111	0.3	19.4
9 18	22 56.34	− 7 34.6	1.138	2.130	6.0	19.9
9 28	22 48.97	− 8 38.8	1.197	2.149	11.3	20.2
10 8	22 44.21	− 9 23.3	1.277	2.167	15.7	20.6

513974 2014 FA_{73} 9 7.7 185°.22 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.89	+ 3 28.0	2.378	3.153	13.7	22.7
8 9	23 25.21	+ 3 2.8	2.285	3.153	11.2	22.5
8 19	23 19.77	+ 2 22.1	2.213	3.153	8.1	22.3
8 29	23 12.98	+ 1 27.6	2.166	3.152	4.8	22.1
9 8	23 5.46	+ 0 22.9	2.147	3.151	1.9	21.9
9 18	22 57.91	− 0 46.8	2.157	3.149	3.6	22.0
9 28	22 51.10	− 1 55.8	2.196	3.146	6.9	22.2
10 8	22 45.68	− 2 58.6	2.261	3.144	10.1	22.4

361935 2008 HF_{18} 9 7.7 144°.89 8°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.94	−33 49.6	2.588	3.409	11.5	21.2
8 9	23 29.93	−35 4.5	2.540	3.416	9.9	21.1
8 19	23 22.95	−36 11.4	2.515	3.424	8.7	21.1
8 29	23 14.52	−37 3.4	2.515	3.431	8.3	21.1
9 8	23 5.42	−37 35.2	2.540	3.437	8.9	21.1
9 18	22 56.52	−37 43.8	2.590	3.443	10.2	21.2
9 28	22 48.67	−37 28.5	2.663	3.449	11.8	21.3
10 8	22 42.52	−36 51.7	2.757	3.455	13.3	21.5

89589 2001 XD_{141} 9 7.7 9°.61 1°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.33	− 8 3.8	1.841	2.677	14.9	19.6
8 9	23 25.26	− 8 39.9	1.765	2.678	11.7	19.4
8 19	23 20.05	− 9 26.7	1.711	2.679	7.9	19.2
8 29	23 13.19	−10 19.3	1.681	2.680	4.0	18.9
9 8	23 5.46	−11 11.5	1.677	2.682	2.1	18.8
9 18	22 57.79	−11 57.2	1.701	2.684	5.6	19.0
9 28	22 51.14	−12 30.9	1.750	2.686	9.4	19.3
10 8	22 46.25	−12 49.5	1.823	2.689	12.9	19.5

8163 Ishizaki 9 7.7 155°.02 2°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.24	+ 5 3.3	1.737	2.521	17.7	18.1
8 9	23 28.49	+ 4 44.8	1.656	2.528	14.5	17.9
8 19	23 22.37	+ 4 4.9	1.594	2.534	10.7	17.7
8 29	23 14.40	+ 3 5.1	1.555	2.540	6.5	17.5
9 8	23 5.44	+ 1 50.2	1.542	2.545	3.0	17.3
9 18	22 56.51	+ 0 27.2	1.557	2.549	4.6	17.4
9 28	22 48.68	− 0 55.4	1.598	2.553	8.7	17.6
10 8	22 42.82	− 2 9.6	1.665	2.556	12.6	17.9

272380 2005 SL_{224} 9 7.7 190°.05 0°.7/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.89	− 5 5.5	1.964	2.778	14.9	22.0
8 9	23 28.74	− 5 34.5	1.879	2.777	11.8	21.8
8 19	23 22.42	− 6 15.8	1.815	2.776	8.1	21.6
8 29	23 14.39	− 7 5.5	1.776	2.774	4.0	21.3
9 8	23 5.44	− 7 58.3	1.765	2.772	0.8	21.1
9 18	22 56.49	− 8 48.1	1.782	2.769	4.8	21.4
9 28	22 48.52	− 9 29.3	1.826	2.766	8.9	21.6
10 8	22 42.31	− 9 58.1	1.895	2.762	12.5	21.8

8995 Rachelstevenson 9 7.7 37°.80 0°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.80	− 5 35.9	1.422	2.251	18.8	16.3
8 9	23 33.17	− 5 2.8	1.360	2.264	15.0	16.1
8 19	23 25.69	− 4 40.6	1.316	2.278	10.5	15.8
8 29	23 16.05	− 4 27.2	1.295	2.292	5.4	15.6
9 8	23 5.40	− 4 19.2	1.299	2.306	0.6	15.3
9 18	22 55.04	− 4 12.5	1.329	2.322	5.2	15.7
9 28	22 46.26	− 4 3.3	1.385	2.337	10.0	16.0
10 8	22 39.96	− 3 48.2	1.464	2.353	14.1	16.3

428647 2008 GH_{10} 9 7.7 149°.30 0°.1/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.73	− 2 20.0	1.812	2.623	16.1	22.4
8 9	23 28.73	− 2 48.1	1.735	2.629	12.8	22.2
8 19	23 22.44	− 3 31.4	1.678	2.636	8.9	21.9
8 29	23 14.41	− 4 26.3	1.645	2.642	4.5	21.7
9 8	23 5.45	− 5 27.0	1.639	2.647	0.2	21.3
9 18	22 56.56	− 6 26.9	1.662	2.652	4.6	21.7
9 28	22 48.76	− 7 19.6	1.711	2.656	8.9	22.0
10 8	22 42.86	− 8 0.0	1.784	2.660	12.7	22.2

66492 1999 RZ_{54} 9 7.7 18°.71 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.79	+ 0 46.0	1.849	2.662	15.7	19.4
8 9	23 22.47	+ 0 6.2	1.771	2.666	12.6	19.2
8 19	23 18.12	− 0 51.8	1.714	2.670	8.9	19.0
8 29	23 12.22	− 2 4.5	1.680	2.675	4.8	18.8
9 8	23 5.51	− 3 25.9	1.673	2.680	0.9	18.5
9 18	22 58.84	− 4 48.9	1.692	2.685	4.2	18.8
9 28	22 53.10	− 6 5.8	1.739	2.691	8.3	19.0
10 8	22 49.01	− 7 10.4	1.810	2.697	11.9	19.3

251926 1999 VZ_{204} 9 7.7 242°.55 2°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.73	−11 14.9	2.505	3.330	11.7	20.7
8 9	23 25.03	−11 55.3	2.415	3.322	9.2	20.5
8 19	23 19.63	−12 42.2	2.348	3.313	6.3	20.3
8 29	23 12.92	−13 31.4	2.308	3.304	3.4	20.1
9 8	23 5.50	−14 18.1	2.296	3.295	2.6	20.1
9 18	22 58.05	−14 57.6	2.312	3.286	5.2	20.2
9 28	22 51.31	−15 26.1	2.357	3.277	8.2	20.4
10 8	22 45.90	−15 41.2	2.426	3.267	11.0	20.6

226465 2003 SS_{148} 9 7.7 311°.24 1°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.19	− 7 28.2	2.204	3.026	13.2	20.4
8 9	23 25.65	− 7 42.0	2.112	3.015	10.5	20.2
8 19	23 20.20	− 8 4.3	2.041	3.005	7.2	20.0
8 29	23 13.26	− 8 31.9	1.996	2.994	3.6	19.7
9 8	23 5.49	− 9 0.7	1.978	2.984	1.1	19.5
9 18	22 57.68	− 9 26.3	1.987	2.974	4.5	19.8
9 28	22 50.66	− 9 44.5	2.025	2.964	8.2	20.0
10 8	22 45.16	− 9 52.5	2.086	2.954	11.4	20.2

287800 2003 SO_{161} 9 7.7 30°.81 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.25	− 4 37.8	1.515	2.355	17.4	20.3
8 9	23 25.60	− 5 13.1	1.449	2.361	13.7	20.1
8 19	23 20.48	− 6 4.1	1.401	2.369	9.4	19.8
8 29	23 13.47	− 7 5.8	1.377	2.376	4.6	19.6
9 8	23 5.49	− 8 10.8	1.378	2.385	1.1	19.3
9 18	22 57.64	− 9 11.2	1.404	2.393	5.6	19.7
9 28	22 51.02	− 9 59.9	1.456	2.402	10.1	20.0
10 8	22 46.47	−10 32.2	1.530	2.412	14.1	20.2

516583 2007 EZ_{176} 9 7.7 123°.81 5°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.97	+17 12.7	2.681	3.372	14.2	22.0
8 9	23 22.73	+16 46.8	2.588	3.380	12.3	21.8
8 19	23 17.96	+15 59.9	2.514	3.389	10.0	21.7
8 29	23 12.04	+14 51.9	2.463	3.397	7.6	21.6
9 8	23 5.54	+13 25.0	2.438	3.405	5.6	21.4
9 18	22 59.06	+11 43.7	2.441	3.413	5.0	21.4
9 28	22 53.28	+ 9 54.2	2.474	3.421	6.5	21.5
10 8	22 48.72	+ 8 3.6	2.536	3.429	8.7	21.7

38592 1999 XH_{162} 9 7.7 264°.94 2°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.83	−19 1.9	4.532	5.357	6.9	19.2
8 9	23 20.38	−19 28.5	4.447	5.351	5.4	19.1
8 19	23 16.00	−19 55.4	4.387	5.345	3.9	19.0
8 29	23 10.96	−20 20.0	4.355	5.338	2.7	18.9
9 8	23 5.57	−20 40.0	4.352	5.332	2.8	18.9
9 18	23 0.20	−20 53.4	4.379	5.326	4.0	19.0
9 28	22 55.21	−20 58.8	4.433	5.319	5.5	19.1
10 8	22 50.94	−20 55.4	4.514	5.313	7.0	19.2

367014 2006 BA_{102} 9 7.7 239°.28 2°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.01	− 8 14.8	2.525	3.348	11.7	20.9
8 9	23 22.90	− 9 18.1	2.436	3.342	9.1	20.7
8 19	23 18.17	−10 31.0	2.369	3.335	6.2	20.5
8 29	23 12.20	−11 49.1	2.330	3.328	3.2	20.3
9 8	23 5.54	−13 6.6	2.319	3.321	2.2	20.2
9 18	22 58.85	−14 17.9	2.337	3.313	4.9	20.4
9 28	22 52.81	−15 17.9	2.384	3.306	8.0	20.5
10 8	22 48.03	−16 3.5	2.455	3.298	10.8	20.7

330329 2006 UO_{182} 9 7.7 340°.15 0°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.88	− 2 7.7	1.014	1.891	21.3	19.9
8 9	23 18.70	− 2 50.2	0.938	1.872	17.1	19.5
8 19	23 16.53	− 4 1.1	0.879	1.856	11.9	19.2
8 29	23 11.82	− 5 36.0	0.839	1.840	6.0	18.8
9 8	23 5.55	− 7 24.1	0.820	1.827	0.9	18.4
9 18	22 59.11	− 9 11.3	0.822	1.815	7.2	18.8
9 28	22 54.08	−10 42.6	0.845	1.805	13.3	19.1
10 8	22 51.71	−11 47.3	0.887	1.798	18.8	19.4

378256 2007 DO_{37} 9 7.7 230°.34 0°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.17	− 2 59.8	1.876	2.686	15.7	22.1
8 9	23 29.18	− 3 11.5	1.784	2.678	12.6	21.8
8 19	23 22.87	− 3 36.7	1.712	2.669	8.8	21.6
8 29	23 14.71	− 4 12.8	1.664	2.660	4.6	21.3
9 8	23 5.48	− 4 55.2	1.643	2.651	0.3	21.0
9 18	22 56.16	− 5 38.3	1.650	2.641	4.6	21.3
9 28	22 47.81	− 6 16.2	1.684	2.631	8.9	21.5
10 8	22 41.32	− 6 44.3	1.743	2.621	12.8	21.8

292983 2006 VP_{155} 9 7.7 353°.57 6°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.21	+11 47.2	1.741	2.499	18.6	20.4
8 9	23 25.50	+12 35.7	1.655	2.496	16.0	20.2
8 19	23 20.45	+13 2.9	1.586	2.493	13.0	20.0
8 29	23 13.53	+13 6.3	1.538	2.491	9.8	19.9
9 8	23 5.52	+12 45.9	1.513	2.489	7.4	19.7
9 18	22 57.42	+12 4.7	1.513	2.488	7.1	19.7
9 28	22 50.31	+11 8.8	1.537	2.488	9.3	19.8
10 8	22 45.10	+10 6.6	1.586	2.488	12.4	20.0

117496 2005 CD_{20} 9 7.7 150°.28 2°.2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.94	+ 3 23.3	2.129	2.911	15.0	20.7
8 9	23 26.22	+ 3 10.6	2.044	2.916	12.2	20.5
8 19	23 20.58	+ 2 41.7	1.980	2.921	8.9	20.3
8 29	23 13.45	+ 1 58.2	1.940	2.925	5.3	20.1
9 8	23 5.53	+ 1 3.7	1.926	2.929	2.3	19.9
9 18	22 57.64	+ 0 3.3	1.941	2.933	3.9	20.0
9 28	22 50.61	− 0 57.0	1.984	2.937	7.4	20.3
10 8	22 45.14	− 1 51.5	2.053	2.940	10.7	20.5

316948 2001 DP_{15} 9 7.7 113°.58 0°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.92	− 5 19.8	2.625	3.413	12.3	20.9
8 9	23 31.12	− 5 4.9	2.545	3.426	9.7	20.7
8 19	23 23.61	− 4 56.8	2.488	3.439	6.7	20.6
8 29	23 14.86	− 4 53.6	2.458	3.452	3.5	20.4
9 8	23 5.50	− 4 53.0	2.457	3.465	0.3	20.1
9 18	22 56.27	− 4 52.5	2.488	3.477	3.4	20.4
9 28	22 47.88	− 4 49.7	2.548	3.489	6.6	20.6
10 8	22 40.94	− 4 42.5	2.635	3.501	9.4	20.8

367315 2007 YR_{51} 9 7.7 309°.87 5°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.52	+ 5 15.9	1.292	2.107	21.2	21.2
8 9	23 27.50	+ 5 55.5	1.203	2.090	17.8	20.9
8 19	23 22.46	+ 6 13.1	1.130	2.073	13.7	20.6
8 29	23 14.81	+ 6 6.6	1.076	2.057	9.2	20.3
9 8	23 5.50	+ 5 36.9	1.044	2.042	5.6	20.1
9 18	22 55.85	+ 4 48.7	1.036	2.026	6.6	20.1
9 28	22 47.43	+ 3 50.6	1.050	2.012	11.1	20.3
10 8	22 41.54	+ 2 53.0	1.086	1.998	16.0	20.5

395020 2009 CY_9 9 7.7 198°.06 2°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.39	+ 3 30.0	2.171	2.949	14.8	21.5
8 9	23 26.61	+ 3 29.8	2.079	2.948	12.1	21.3
8 19	23 20.88	+ 3 14.2	2.008	2.946	8.9	21.1
8 29	23 13.63	+ 2 44.3	1.960	2.944	5.5	20.9
9 8	23 5.54	+ 2 3.0	1.940	2.941	2.7	20.7
9 18	22 57.41	+ 1 14.6	1.948	2.939	4.0	20.8
9 28	22 50.11	+ 0 24.5	1.983	2.936	7.4	21.0
10 8	22 44.35	− 0 21.9	2.045	2.932	10.7	21.2

486389 2013 EA_{32} 9 7.7 74°.01 1°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.65	+ 4 54.7	2.209	2.990	14.5	20.7
8 9	23 22.74	+ 3 39.2	2.130	3.004	11.7	20.5
8 19	23 18.09	+ 2 3.7	2.073	3.018	8.4	20.4
8 29	23 12.16	+ 0 12.1	2.042	3.032	4.7	20.2
9 8	23 5.58	− 1 49.0	2.040	3.046	1.3	19.9
9 18	22 59.08	− 3 51.8	2.067	3.059	3.6	20.1
9 28	22 53.38	− 5 48.1	2.124	3.073	7.2	20.4
10 8	22 49.10	− 7 30.9	2.209	3.087	10.5	20.6

3701 Purkyně 9 7.7 296°.24 2°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.15	− 8 20.5	1.898	2.733	14.6	16.9
8 9	23 25.19	− 9 6.5	1.812	2.724	11.4	16.7
8 19	23 20.09	−10 3.8	1.747	2.715	7.8	16.4
8 29	23 13.29	−11 7.6	1.707	2.706	4.0	16.2
9 8	23 5.55	−12 11.2	1.694	2.697	2.4	16.1
9 18	22 57.76	−13 7.7	1.708	2.689	5.8	16.3
9 28	22 50.89	−13 51.2	1.748	2.680	9.7	16.5
10 8	22 45.74	−14 18.2	1.811	2.671	13.3	16.7

390894 2005 AK_{50} 9 7.7 203°.23 2°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.47	− 9 54.9	2.320	3.145	12.6	22.3
8 9	23 25.79	−11 7.3	2.234	3.141	9.8	22.1
8 19	23 20.26	−12 29.4	2.170	3.136	6.7	21.9
8 29	23 13.31	−13 55.6	2.134	3.130	3.7	21.7
9 8	23 5.56	−15 19.3	2.127	3.124	3.1	21.6
9 18	22 57.77	−16 34.0	2.148	3.118	5.8	21.8
9 28	22 50.74	−17 34.4	2.197	3.111	9.0	22.0
10 8	22 45.17	−18 17.2	2.271	3.103	12.0	22.2

288063 2003 UH_{327} 9 7.7 253°.73 4°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.41	+ 9 30.9	2.022	2.782	16.3	20.8
8 9	23 24.55	+ 9 15.9	1.921	2.771	13.7	20.6
8 19	23 19.65	+ 8 38.7	1.838	2.759	10.6	20.4
8 29	23 13.09	+ 7 39.3	1.777	2.748	7.2	20.2
9 8	23 5.57	+ 6 20.5	1.743	2.736	4.4	20.0
9 18	22 57.91	+ 4 48.0	1.736	2.724	4.8	20.0
9 28	22 51.05	+ 3 9.6	1.756	2.712	7.9	20.1
10 8	22 45.79	+ 1 34.0	1.802	2.699	11.5	20.3

400223 2007 DE_{80} 9 7.7 24°.65 0°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.37	− 3 39.2	2.032	2.842	14.6	20.8
8 9	23 27.42	− 3 33.3	1.952	2.846	11.6	20.6
8 19	23 21.43	− 3 38.0	1.892	2.849	8.2	20.4
8 29	23 13.89	− 3 51.1	1.857	2.853	4.3	20.2
9 8	23 5.55	− 4 9.1	1.850	2.857	0.6	19.9
9 18	22 57.26	− 4 28.1	1.870	2.861	4.1	20.2
9 28	22 49.92	− 4 44.0	1.917	2.865	7.9	20.5
10 8	22 44.25	− 4 53.2	1.989	2.870	11.3	20.7

288382 2004 CY_{73} 9 7.7 299°.98 3°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.38	− 9 27.8	1.745	2.592	15.1	20.2
8 9	23 24.25	−10 49.1	1.642	2.562	11.9	19.9
8 19	23 19.78	−12 26.8	1.560	2.532	8.2	19.7
8 29	23 13.31	−14 14.2	1.504	2.501	4.6	19.4
9 8	23 5.56	−16 2.1	1.473	2.471	4.2	19.3
9 18	22 57.50	−17 40.1	1.469	2.441	7.8	19.4
9 28	22 50.27	−18 59.1	1.491	2.410	12.1	19.6
10 8	22 44.90	−19 53.4	1.535	2.380	16.0	19.8

303125 2004 CR_{62} 9 7.7 222°.38 3°.8/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.96	−15 36.4	2.102	2.933	13.5	20.5
8 9	23 30.25	−16 4.3	2.021	2.929	10.6	20.3
8 19	23 23.39	−16 35.7	1.962	2.925	7.4	20.1
8 29	23 14.89	−17 5.2	1.929	2.922	4.5	20.0
9 8	23 5.53	−17 27.4	1.924	2.917	4.0	19.9
9 18	22 56.24	−17 37.7	1.946	2.913	6.6	20.1
9 28	22 47.95	−17 33.5	1.995	2.909	9.8	20.3
10 8	22 41.43	−17 13.8	2.069	2.904	12.8	20.4

50298 2000 CA_{34} 9 7.7 69°.35 0°.7/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.10	− 4 40.6	1.885	2.708	15.1	19.4
8 9	23 25.82	− 5 14.8	1.808	2.712	11.9	19.2
8 19	23 20.43	− 6 2.1	1.752	2.715	8.2	19.0
8 29	23 13.43	− 6 58.4	1.720	2.719	4.0	18.7
9 8	23 5.57	− 7 57.8	1.716	2.723	0.8	18.5
9 18	22 57.77	− 8 54.0	1.738	2.726	4.8	18.8
9 28	22 50.96	− 9 40.9	1.788	2.730	8.8	19.0
10 8	22 45.87	−10 14.6	1.861	2.734	12.4	19.3

28739 Julisauer 9 7.7 112°.76 1°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.15	− 4 52.2	2.171	2.986	13.7	19.3
8 9	23 25.49	− 5 42.6	2.100	2.999	10.7	19.2
8 19	23 19.99	− 6 44.8	2.050	3.012	7.3	19.0
8 29	23 13.13	− 7 54.3	2.026	3.025	3.5	18.8
9 8	23 5.59	− 9 5.2	2.031	3.037	1.1	18.6
9 18	22 58.15	−10 11.6	2.064	3.049	4.5	18.9
9 28	22 51.59	−11 8.0	2.124	3.060	8.0	19.1
10 8	22 46.55	−11 50.9	2.210	3.072	11.2	19.4

276928 2004 TN_{144} 9 7.8 339°.99 3°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.91	−12 9.1	1.407	2.267	17.4	19.9
8 9	23 27.34	−12 45.5	1.333	2.259	13.7	19.7
8 19	23 21.98	−13 31.6	1.279	2.251	9.5	19.4
8 29	23 14.38	−14 20.5	1.247	2.245	5.3	19.2
9 8	23 5.56	−15 3.7	1.239	2.239	4.2	19.1
9 18	22 56.75	−15 33.8	1.256	2.234	7.9	19.3
9 28	22 49.28	−15 45.0	1.296	2.229	12.3	19.5
10 8	22 44.16	−15 35.5	1.357	2.226	16.3	19.8

62162 2000 SJ_{26} 9 7.8 23°.08 5°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.58	+12 46.5	2.043	2.782	16.8	19.0
8 9	23 24.59	+13 7.8	1.955	2.784	14.4	18.8
8 19	23 19.59	+13 8.2	1.885	2.786	11.6	18.6
8 29	23 13.03	+12 46.4	1.837	2.788	8.7	18.4
9 8	23 5.60	+12 3.6	1.814	2.790	6.3	18.3
9 18	22 58.13	+11 3.6	1.816	2.792	6.0	18.3
9 28	22 51.53	+ 9 52.4	1.845	2.795	8.1	18.4
10 8	22 46.54	+ 8 37.8	1.899	2.798	10.9	18.6

455103 2015 UZ_{79} 9 7.8 319°.85 2°.7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.85	− 8 4.3	1.933	2.774	14.1	20.0
8 9	23 21.84	− 9 19.1	1.841	2.758	11.0	19.8
8 19	23 17.83	−10 47.8	1.772	2.742	7.5	19.6
8 29	23 12.20	−12 24.7	1.728	2.726	3.9	19.3
9 8	23 5.63	−14 1.7	1.710	2.711	3.1	19.2
9 18	22 58.95	−15 30.5	1.720	2.696	6.4	19.4
9 28	22 53.09	−16 43.7	1.757	2.682	10.2	19.6
10 8	22 48.82	−17 36.8	1.816	2.668	13.6	19.8

96753 1999 RB_{17} 9 7.8 313°.25 2°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 41.42	− 2 23.5	1.652	2.452	17.9	19.3
8 9	23 36.15	− 1 18.9	1.557	2.441	14.6	19.0
8 19	23 28.01	− 0 22.6	1.482	2.431	10.7	18.8
8 29	23 17.47	+ 0 24.8	1.431	2.420	6.3	18.5
9 8	23 5.50	+ 1 3.6	1.407	2.410	2.8	18.2
9 18	22 53.35	+ 1 35.0	1.410	2.400	5.3	18.4
9 28	22 42.41	+ 2 1.6	1.440	2.391	9.8	18.6
10 8	22 33.80	+ 2 26.7	1.495	2.382	14.0	18.9

296964 2010 EN_{70} 9 7.8 78°.69 4°.4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 38.13	−16 51.1	1.827	2.662	15.0	20.4
8 9	23 32.78	−17 17.8	1.770	2.680	11.8	20.2
8 19	23 25.08	−17 46.5	1.735	2.698	8.3	20.0
8 29	23 15.68	−18 11.1	1.724	2.715	5.2	19.9
9 8	23 5.55	−18 25.6	1.741	2.733	4.7	19.9
9 18	22 55.76	−18 26.2	1.785	2.750	7.2	20.1
9 28	22 47.32	−18 10.7	1.855	2.767	10.5	20.3
10 8	22 40.97	−17 39.6	1.948	2.784	13.5	20.6

404098 2012 FM_{45} 9 7.8 262°.32 0°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.39	− 5 42.9	2.443	3.255	12.4	22.0
8 9	23 24.87	− 6 9.7	2.345	3.243	9.8	21.8
8 19	23 19.61	− 6 46.1	2.269	3.230	6.7	21.6
8 29	23 13.00	− 7 29.3	2.219	3.217	3.3	21.4
9 8	23 5.62	− 8 14.9	2.197	3.204	0.8	21.2
9 18	22 58.17	− 8 58.4	2.204	3.191	4.1	21.4
9 28	22 51.39	− 9 35.4	2.239	3.177	7.5	21.6
10 8	22 45.95	−10 2.3	2.299	3.164	10.6	21.8

513536 2010 EA_{76} 9 7.8 208°.22 2°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.72	+ 4 59.8	2.163	2.938	14.9	22.1
8 9	23 25.35	+ 4 30.8	2.067	2.934	12.3	21.9
8 19	23 20.06	+ 3 43.3	1.991	2.929	9.0	21.7
8 29	23 13.27	+ 2 38.7	1.940	2.924	5.5	21.5
9 8	23 5.62	+ 1 21.2	1.916	2.918	2.4	21.3
9 18	22 57.90	− 0 3.4	1.920	2.912	3.9	21.4
9 28	22 50.97	− 1 28.0	1.953	2.905	7.5	21.6
10 8	22 45.56	− 2 45.8	2.012	2.898	10.9	21.8

75792 2000 AV_{224} 9 7.8 93°.92 0°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.24	− 4 51.1	1.622	2.446	17.1	19.8
8 9	23 30.04	− 5 23.0	1.561	2.464	13.5	19.6
8 19	23 23.39	− 6 8.8	1.519	2.482	9.2	19.4
8 29	23 14.91	− 7 3.6	1.502	2.500	4.5	19.2
9 8	23 5.58	− 8 0.7	1.511	2.518	0.9	18.9
9 18	22 56.49	− 8 52.9	1.547	2.535	5.3	19.3
9 28	22 48.71	− 9 34.3	1.609	2.552	9.6	19.6
10 8	22 43.04	−10 1.0	1.695	2.568	13.4	19.9

79796 1998 VX_6 9 7.8 221°.39 9°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 42.77	−40 8.3	2.919	3.706	11.2	19.9
8 9	23 36.17	−41 19.2	2.854	3.693	10.0	19.8
8 19	23 27.36	−42 20.1	2.811	3.680	9.3	19.7
8 29	23 16.88	−43 3.9	2.793	3.665	9.1	19.7
9 8	23 5.54	−43 25.1	2.800	3.650	9.7	19.7
9 18	22 54.32	−43 20.9	2.832	3.634	10.8	19.7
9 28	22 44.18	−42 50.9	2.886	3.617	12.2	19.8
10 8	22 35.90	−41 57.9	2.960	3.599	13.5	19.9

85137 1981 DS_3 9 7.8 272°.19 3°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.79	+ 6 53.8	2.292	3.051	14.6	19.8
8 9	23 26.11	+ 7 16.2	2.194	3.044	12.3	19.7
8 19	23 20.56	+ 7 23.4	2.115	3.037	9.5	19.5
8 29	23 13.52	+ 7 15.2	2.061	3.030	6.5	19.3
9 8	23 5.62	+ 6 52.8	2.032	3.023	4.2	19.1
9 18	22 57.64	+ 6 19.3	2.031	3.017	4.6	19.1
9 28	22 50.39	+ 5 39.2	2.058	3.010	7.3	19.3
10 8	22 44.59	+ 4 57.7	2.111	3.003	10.3	19.5

456006 2005 YC_{23} 9 7.8 86°.33 17°.2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.25	−32 26.5	0.992	1.876	21.1	20.0
8 9	23 31.69	−36 14.1	0.968	1.883	18.6	19.9
8 19	23 25.87	−39 46.5	0.963	1.890	17.3	19.8
8 29	23 16.59	−42 40.0	0.978	1.897	17.7	19.9
9 8	23 5.54	−44 36.9	1.012	1.904	19.4	20.0
9 18	22 54.87	−45 30.7	1.063	1.911	21.8	20.2
9 28	22 46.68	−45 24.6	1.128	1.918	24.2	20.4
10 8	22 42.20	−44 29.1	1.204	1.925	26.3	20.6

360996 2005 UX_{424} 9 7.8 181°.60 1°.2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.97	− 7 48.3	2.551	3.364	11.9	22.2
8 9	23 25.92	− 8 16.1	2.466	3.365	9.3	22.0
8 19	23 20.21	− 8 51.6	2.403	3.365	6.4	21.8
8 29	23 13.25	− 9 31.4	2.367	3.365	3.1	21.6
9 8	23 5.64	−10 11.3	2.359	3.364	1.3	21.5
9 18	22 58.04	−10 47.1	2.381	3.364	4.2	21.7
9 28	22 51.17	−11 15.2	2.430	3.363	7.4	21.9
10 8	22 45.62	−11 32.9	2.506	3.361	10.2	22.1

426644 2013 SE_{75} 9 7.8 9°.03 3°.2/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.42	− 8 19.4	0.900	1.793	21.9	20.2
8 9	23 22.44	− 8 59.5	0.850	1.794	17.2	19.9
8 19	23 19.08	− 9 57.8	0.817	1.798	11.7	19.6
8 29	23 13.04	−11 5.6	0.801	1.804	5.9	19.4
9 8	23 5.64	−12 10.7	0.807	1.811	3.6	19.3
9 18	22 58.48	−13 1.7	0.833	1.821	8.5	19.6
9 28	22 53.13	−13 29.8	0.879	1.832	14.0	19.9
10 8	22 50.64	−13 31.8	0.944	1.846	18.7	20.3

319540 2006 RP_{84} 9 7.8 73°.71 0°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.62	− 5 26.8	1.387	2.220	19.0	21.1
8 9	23 32.19	− 5 49.3	1.335	2.244	14.9	20.9
8 19	23 24.97	− 6 26.2	1.303	2.268	10.2	20.7
8 29	23 15.72	− 7 12.1	1.293	2.292	5.0	20.5
9 8	23 5.58	− 7 59.8	1.309	2.316	1.0	20.3
9 18	22 55.85	− 8 42.0	1.350	2.339	5.7	20.7
9 28	22 47.74	− 9 12.6	1.417	2.363	10.4	21.0
10 8	22 42.08	− 9 28.2	1.507	2.386	14.4	21.3

495194 2013 BH 9 7.8 235°.37 1°.9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.03	−14 44.9	4.593	5.415	6.8	21.8
8 9	23 19.00	−15 17.1	4.506	5.411	5.3	21.7
8 19	23 15.10	−15 51.2	4.445	5.407	3.7	21.6
8 29	23 10.57	−16 24.9	4.412	5.403	2.2	21.4
9 8	23 5.71	−16 55.8	4.408	5.399	2.1	21.4
9 18	23 0.86	−17 21.8	4.433	5.395	3.4	21.5
9 28	22 56.35	−17 41.0	4.488	5.391	5.0	21.6
10 8	22 52.51	−17 52.4	4.568	5.387	6.6	21.8

504395 2007 VE_{280} 9 7.8 225°.33 3°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.44	−10 6.7	1.595	2.434	16.7	22.3
8 9	23 30.62	−10 49.9	1.514	2.428	13.2	22.1
8 19	23 24.13	−11 44.3	1.454	2.422	9.0	21.8
8 29	23 15.47	−12 43.9	1.417	2.415	4.8	21.6
9 8	23 5.60	−13 40.6	1.406	2.408	3.3	21.5
9 18	22 55.69	−14 26.7	1.422	2.400	7.1	21.7
9 28	22 47.02	−14 56.1	1.462	2.392	11.4	21.9
10 8	22 40.56	−15 6.0	1.526	2.384	15.4	22.2

40905 1999 TE_{148} 9 7.8 278°.59 2°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.95	+ 6 22.6	2.288	3.058	14.4	19.3
8 9	23 23.11	+ 6 6.4	2.188	3.049	11.9	19.1
8 19	23 18.49	+ 5 32.5	2.108	3.039	9.0	18.9
8 29	23 12.48	+ 4 41.8	2.051	3.030	5.8	18.7
9 8	23 5.67	+ 3 37.3	2.021	3.020	3.1	18.5
9 18	22 58.77	+ 2 23.8	2.020	3.010	3.9	18.6
9 28	22 52.58	+ 1 7.7	2.046	3.001	7.0	18.8
10 8	22 47.76	− 0 4.9	2.099	2.991	10.3	18.9

227266 2005 SN_{121} 9 7.8 60°.88 0°.2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.55	− 3 4.7	1.418	2.251	18.7	20.6
8 9	23 28.28	− 3 34.5	1.359	2.268	14.8	20.4
8 19	23 22.37	− 4 21.6	1.320	2.284	10.2	20.1
8 29	23 14.47	− 5 21.1	1.303	2.301	5.1	19.9
9 8	23 5.62	− 6 25.4	1.310	2.318	0.3	19.6
9 18	22 57.02	− 7 26.5	1.344	2.335	5.4	20.0
9 28	22 49.84	− 8 16.7	1.403	2.352	10.1	20.3
10 8	22 44.92	− 8 51.3	1.484	2.370	14.2	20.6

348145 2004 CH_{85} 9 7.8 136°.83 1°.4/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.94	+ 0 3.3	1.870	2.665	16.3	21.6
8 9	23 30.38	− 0 4.1	1.794	2.676	13.1	21.4
8 19	23 23.57	− 0 26.7	1.738	2.687	9.3	21.2
8 29	23 15.03	− 1 2.2	1.706	2.697	5.1	20.9
9 8	23 5.61	− 1 46.5	1.701	2.707	1.5	20.7
9 18	22 56.29	− 2 33.9	1.724	2.716	4.3	20.9
9 28	22 48.07	− 3 18.5	1.775	2.724	8.3	21.2
10 8	22 41.75	− 3 55.2	1.850	2.732	12.0	21.4

448728 2011 BC_{107} 9 7.8 303°.59 0°.0/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.97	− 5 21.1	2.239	3.050	13.4	21.2
8 9	23 27.06	− 5 19.2	2.143	3.038	10.7	21.0
8 19	23 21.22	− 5 26.2	2.068	3.026	7.4	20.8
8 29	23 13.87	− 5 39.7	2.018	3.015	3.8	20.6
9 8	23 5.65	− 5 56.4	1.996	3.003	0.1	20.2
9 18	22 57.37	− 6 12.6	2.002	2.992	4.0	20.6
9 28	22 49.87	− 6 24.6	2.036	2.981	7.8	20.8
10 8	22 43.88	− 6 29.2	2.095	2.970	11.1	21.0

516085 2015 TP_{344} 9 7.8 45°.37 3°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.01	−15 57.1	2.146	2.984	13.0	21.2
8 9	23 27.05	−16 35.8	2.077	2.989	10.2	21.0
8 19	23 21.13	−17 17.7	2.030	2.994	7.1	20.8
8 29	23 13.75	−17 57.5	2.008	2.999	4.5	20.7
9 8	23 5.66	−18 29.5	2.014	3.005	4.3	20.7
9 18	22 57.69	−18 49.3	2.047	3.010	6.6	20.8
9 28	22 50.68	−18 54.0	2.106	3.016	9.6	21.0
10 8	22 45.31	−18 42.8	2.189	3.021	12.3	21.2

160911 2001 VV_{54} 9 7.8 292°.09 2°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.35	− 9 46.2	1.318	2.166	19.0	20.0
8 9	23 32.67	− 9 59.6	1.243	2.161	15.1	19.8
8 19	23 25.83	−10 24.0	1.187	2.156	10.4	19.5
8 29	23 16.43	−10 53.8	1.153	2.152	5.3	19.2
9 8	23 5.61	−11 21.6	1.142	2.147	2.7	19.0
9 18	22 54.81	−11 40.3	1.157	2.143	7.1	19.3
9 28	22 45.55	−11 44.4	1.196	2.138	12.2	19.6
10 8	22 38.97	−11 31.3	1.256	2.134	16.8	19.8

423143 2004 DO_{59} 9 7.8 128°.06 0°.0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.87	− 2 16.3	1.794	2.605	16.2	22.0
8 9	23 28.85	− 2 49.7	1.722	2.617	12.9	21.8
8 19	23 22.56	− 3 38.4	1.670	2.628	8.9	21.6
8 29	23 14.55	− 4 38.6	1.643	2.639	4.5	21.4
9 8	23 5.66	− 5 44.2	1.642	2.649	0.1	21.0
9 18	22 56.89	− 6 48.3	1.669	2.659	4.7	21.4
9 28	22 49.24	− 7 44.2	1.723	2.669	8.9	21.7
10 8	22 43.49	− 8 27.1	1.802	2.678	12.6	22.0

137734 1999 XC_{123} 9 7.8 342°.83 4°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.11	+ 2 32.0	1.205	2.035	21.5	18.9
8 9	23 28.03	+ 3 21.0	1.128	2.026	17.9	18.6
8 19	23 22.84	+ 3 50.3	1.066	2.018	13.5	18.3
8 29	23 15.02	+ 3 58.6	1.025	2.011	8.6	18.1
9 8	23 5.65	+ 3 47.2	1.005	2.005	4.8	17.8
9 18	22 56.13	+ 3 21.0	1.008	2.000	6.4	17.9
9 28	22 48.05	+ 2 47.5	1.034	1.996	11.1	18.2
10 8	22 42.61	+ 2 15.4	1.081	1.994	15.9	18.4

353842 2012 VO_{19} 9 7.8 272°.14 4°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.92	−14 24.2	1.856	2.700	14.5	21.0
8 9	23 27.40	−15 20.4	1.783	2.699	11.3	20.8
8 19	23 21.62	−16 23.1	1.731	2.698	7.9	20.6
8 29	23 14.11	−17 25.4	1.704	2.697	4.9	20.4
9 8	23 5.68	−18 20.1	1.703	2.695	4.7	20.4
9 18	22 57.30	−19 0.7	1.729	2.694	7.5	20.6
9 28	22 49.99	−19 22.8	1.781	2.693	10.9	20.8
10 8	22 44.53	−19 25.0	1.855	2.692	14.0	21.0

287080 2002 RF_{48} 9 7.8 331°.05 1°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.09	− 7 23.3	1.139	2.008	20.0	19.9
8 9	23 25.89	− 7 32.4	1.059	1.988	16.0	19.6
8 19	23 21.53	− 7 57.0	0.995	1.970	11.1	19.3
8 29	23 14.43	− 8 32.5	0.952	1.953	5.6	18.9
9 8	23 5.67	− 9 11.3	0.930	1.937	1.8	18.6
9 18	22 56.70	− 9 44.7	0.931	1.922	7.2	18.9
9 28	22 49.15	−10 4.4	0.954	1.908	13.0	19.2
10 8	22 44.32	−10 5.3	0.996	1.896	18.1	19.4

183933 2004 DF_9 9 7.8 215°.90 1°.4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.43	− 6 39.7	1.726	2.552	16.1	20.7
8 9	23 29.59	− 7 9.6	1.642	2.548	12.8	20.5
8 19	23 23.28	− 7 52.1	1.579	2.544	8.8	20.2
8 29	23 15.02	− 8 42.8	1.540	2.539	4.4	19.9
9 8	23 5.67	− 9 35.1	1.528	2.534	1.5	19.7
9 18	22 56.29	−10 22.5	1.542	2.528	5.6	20.0
9 28	22 48.01	−10 58.6	1.583	2.522	10.0	20.3
10 8	22 41.75	−11 19.7	1.647	2.516	13.9	20.5

509668 2008 HJ_{60} 9 7.8 141°.90 0°.3/ 8.2 18

7 30	23 26.94	− 0 33.5	2.481	3.276	12.7	21.7
8 9	23 23.60	− 1 18.1	2.397	3.282	10.1	21.5
8 19	23 18.66	− 2 15.8	2.335	3.288	7.0	21.3
8 29	23 12.51	− 3 23.7	2.299	3.294	3.7	21.1
9 8	23 5.73	− 4 37.1	2.292	3.299	0.3	20.9
9 18	22 58.97	− 5 50.6	2.314	3.304	3.5	21.2
9 28	22 52.92	− 6 58.9	2.364	3.309	6.8	21.4
10 8	22 48.16	− 7 57.3	2.441	3.313	9.8	21.6

435573 2008 RA_{82} 9 7.8 333°.60 0°.9/ 9.5 17

7 30	23 21.13	+ 0 54.0	4.304	5.077	8.1	21.7
8 9	23 18.37	+ 0 36.0	4.207	5.076	6.5	21.5
8 19	23 14.72	+ 0 10.4	4.133	5.075	4.6	21.4
8 29	23 10.42	− 0 21.3	4.086	5.074	2.6	21.3
9 8	23 5.78	− 0 57.2	4.069	5.073	0.9	21.1
9 18	23 1.14	− 1 35.2	4.081	5.073	2.0	21.2
9 28	22 56.85	− 2 12.9	4.123	5.072	4.0	21.4
10 8	22 53.23	− 2 47.7	4.193	5.071	5.9	21.5

521903 2015 TN_{385} 9 7.8 27°.00 6°.5/30.8 18

7 30	23 28.66	−22 52.7	2.204	3.051	12.4	20.6
8 9	23 25.33	−24 14.8	2.141	3.053	10.0	20.4
8 19	23 20.03	−25 36.6	2.102	3.054	7.7	20.3
8 29	23 13.25	−26 50.7	2.088	3.056	6.5	20.2
9 8	23 5.72	−27 50.1	2.101	3.058	7.1	20.3
9 18	22 58.25	−28 29.7	2.139	3.059	9.1	20.4
9 28	22 51.72	−28 46.7	2.202	3.061	11.4	20.5
10 8	22 46.80	−28 41.4	2.286	3.063	13.6	20.7

324379 2006 RY_{35} 9 7.8 345°.62 4°.0/ 5.6 18

7 30	23 34.22	−13 31.3	1.172	2.039	19.7	19.4
8 9	23 31.34	−13 40.1	1.103	2.031	15.6	19.1
8 19	23 25.10	−13 55.8	1.051	2.025	10.9	18.8
8 29	23 16.12	−14 11.7	1.021	2.019	6.0	18.5
9 8	23 5.65	−14 19.9	1.013	2.015	4.3	18.4
9 18	22 55.26	−14 13.6	1.028	2.011	8.4	18.7
9 28	22 46.59	−13 49.0	1.066	2.008	13.4	18.9
10 8	22 40.81	−13 5.7	1.125	2.007	18.0	19.2

162221 1999 TM_{87} 9 7.8 317°.22 2°.8/ 5.4 18

7 30	23 28.99	− 9 37.5	1.622	2.469	16.1	20.1
8 9	23 26.29	−10 19.4	1.540	2.458	12.7	19.8
8 19	23 21.13	−11 13.0	1.478	2.448	8.7	19.6
8 29	23 13.97	−12 12.4	1.439	2.438	4.6	19.3
9 8	23 5.70	−13 10.1	1.426	2.429	3.1	19.2
9 18	22 57.37	−13 58.5	1.439	2.419	6.8	19.4
9 28	22 50.14	−14 31.4	1.477	2.411	11.0	19.6
10 8	22 44.93	−14 45.3	1.537	2.402	14.9	19.9

272672 2005 XP_1 9 7.8 118°.06 6°.3/ 1.6 17

7 30	23 35.38	−20 37.6	1.905	2.747	14.3	21.0
8 9	23 30.73	−21 52.0	1.851	2.761	11.3	20.8
8 19	23 23.78	−23 6.8	1.819	2.776	8.4	20.7
8 29	23 15.13	−24 14.0	1.813	2.790	6.5	20.6
9 8	23 5.69	−25 5.7	1.833	2.803	6.9	20.7
9 18	22 56.49	−25 36.6	1.879	2.816	9.1	20.8
9 28	22 48.53	−25 44.5	1.950	2.828	11.8	21.0
10 8	22 42.56	−25 30.1	2.043	2.840	14.4	21.2

509170 2006 GV_3 9 7.8 214°.22 0°.3/ 7.5 18

7 30	23 30.80	− 3 15.2	2.112	2.919	14.2	22.2
8 9	23 27.06	− 3 49.4	2.019	2.913	11.3	21.9
8 19	23 21.30	− 4 37.0	1.949	2.907	7.9	21.7
8 29	23 13.96	− 5 34.8	1.903	2.900	4.0	21.5
9 8	23 5.72	− 6 37.4	1.885	2.892	0.3	21.2
9 18	22 57.41	− 7 39.0	1.895	2.884	4.4	21.5
9 28	22 49.95	− 8 33.6	1.934	2.876	8.3	21.7
10 8	22 44.07	− 9 16.7	1.997	2.867	11.8	21.9

260126 2004 PZ_{74} 9 7.8 11°.64 0°.4/ 7.5 18

7 30	23 28.01	− 4 57.2	1.686	2.520	16.2	20.1
8 9	23 25.23	− 5 9.3	1.614	2.523	12.8	19.9
8 19	23 20.19	− 5 34.1	1.562	2.526	8.8	19.7
8 29	23 13.41	− 6 8.0	1.533	2.531	4.4	19.4
9 8	23 5.73	− 6 45.7	1.529	2.536	0.4	19.1
9 18	22 58.13	− 7 21.4	1.552	2.543	4.8	19.5
9 28	22 51.62	− 7 49.7	1.600	2.549	9.1	19.8
10 8	22 46.99	− 8 6.5	1.672	2.557	12.9	20.0

48248 2001 RP_{69} 9 7.8 284°.08 2°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.21	+ 5 12.6	2.064	2.844	15.4	19.3
8 9	23 24.35	+ 5 3.9	1.964	2.833	12.7	19.1
8 19	23 19.51	+ 4 37.1	1.885	2.821	9.5	18.9
8 29	23 13.09	+ 3 52.9	1.828	2.810	6.0	18.6
9 8	23 5.74	+ 2 54.4	1.798	2.798	3.1	18.4
9 18	22 58.27	+ 1 46.6	1.795	2.787	4.2	18.5
9 28	22 51.58	+ 0 36.2	1.820	2.775	7.7	18.7
10 8	22 46.43	− 0 30.0	1.870	2.764	11.3	18.9

329342 2001 OL_{100} 9 7.8 0°.31 5°.1/ 4.1 18

7 30	23 8.26	−10 20.8	0.706	1.634	22.1	18.9
8 9	23 11.86	−11 15.3	0.660	1.625	17.3	18.6
8 19	23 12.14	−12 28.8	0.629	1.620	11.8	18.3
8 29	23 9.70	−13 49.9	0.615	1.618	6.6	18.0
9 8	23 5.81	−15 3.0	0.618	1.620	5.8	18.0
9 18	23 2.03	−15 53.9	0.639	1.627	10.5	18.3
9 28	22 59.97	−16 13.2	0.678	1.636	15.9	18.6
10 8	23 0.65	−15 58.3	0.732	1.650	20.7	18.9

349723 2008 YR_{52} 9 7.8 205°.12 1°.8/ 5.9 18

7 30	23 30.94	− 8 17.1	2.147	2.969	13.5	21.8
8 9	23 27.09	− 8 55.7	2.062	2.966	10.6	21.6
8 19	23 21.27	− 9 43.8	1.998	2.963	7.2	21.4
8 29	23 13.92	−10 37.0	1.961	2.959	3.7	21.2
9 8	23 5.73	−11 29.8	1.951	2.955	2.0	21.0
9 18	22 57.54	−12 16.7	1.970	2.951	5.1	21.2
9 28	22 50.21	−12 52.8	2.015	2.946	8.7	21.5
10 8	22 44.46	−13 15.1	2.086	2.941	12.0	21.7

451366 2010 XP_{39} 9 7.8 217°.04 5°.8/17.1 18

7 30	23 27.33	+20 30.9	3.260	3.906	12.6	22.0
8 9	23 23.69	+20 41.3	3.146	3.897	11.2	21.8
8 19	23 18.65	+20 34.7	3.051	3.887	9.5	21.7
8 29	23 12.52	+20 9.8	2.979	3.877	7.8	21.6
9 8	23 5.77	+19 26.7	2.931	3.867	6.4	21.5
9 18	22 58.93	+18 27.4	2.911	3.856	5.8	21.4
9 28	22 52.61	+17 15.3	2.919	3.844	6.6	21.4
10 8	22 47.31	+15 55.6	2.954	3.832	8.1	21.5

444252 2005 UG_{193} 9 7.8 8°.34 3°.1/11.4 15

7 30	23 25.96	+ 6 58.0	2.070	2.844	15.6	21.7
8 9	23 23.26	+ 6 41.6	1.982	2.844	12.9	21.5
8 19	23 18.68	+ 6 5.6	1.913	2.845	9.7	21.3
8 29	23 12.62	+ 5 11.1	1.868	2.846	6.3	21.1
9 8	23 5.76	+ 4 1.7	1.848	2.846	3.4	20.9
9 18	22 58.89	+ 2 43.0	1.856	2.847	4.2	21.0
9 28	22 52.84	+ 1 21.8	1.892	2.848	7.4	21.2
10 8	22 48.30	+ 0 5.4	1.953	2.850	10.7	21.4

92683 2000 QZ_{67} 9 7.8 0°.24 3°.8/ 5.1 18

7 30	23 30.68	−12 0.5	1.342	2.203	18.0	19.0
8 9	23 28.02	−12 32.7	1.276	2.201	14.2	18.7
8 19	23 22.49	−13 14.4	1.228	2.200	9.8	18.5
8 29	23 14.70	−13 58.6	1.202	2.200	5.4	18.3
9 8	23 5.72	−14 36.9	1.200	2.200	4.1	18.2
9 18	22 56.85	−15 2.1	1.222	2.202	7.8	18.4
9 28	22 49.43	−15 8.7	1.268	2.204	12.3	18.7
10 8	22 44.44	−14 55.3	1.335	2.206	16.3	18.9

437711 2014 DU_{88} 9 7.8 311°.14 1°.2/ 6.5 18

7 30	23 24.34	− 1 50.5	1.558	2.393	17.2	20.7
8 9	23 22.75	− 3 10.0	1.469	2.380	13.6	20.4
8 19	23 18.79	− 4 53.2	1.400	2.367	9.4	20.1
8 29	23 12.86	− 6 54.7	1.355	2.355	4.6	19.8
9 8	23 5.76	− 9 4.5	1.336	2.343	1.5	19.6
9 18	22 58.53	−11 11.0	1.344	2.331	6.1	19.9
9 28	22 52.30	−13 2.5	1.378	2.320	11.0	20.1
10 8	22 48.03	−14 30.7	1.434	2.309	15.3	20.3

294568 2007 YP_{47} 9 7.8 259°.91 1°.2/ 6.6 18

7 30	23 28.68	− 5 42.6	2.005	2.829	14.3	20.8
8 9	23 25.50	− 6 23.3	1.918	2.823	11.3	20.6
8 19	23 20.28	− 7 16.5	1.853	2.817	7.7	20.3
8 29	23 13.46	− 8 18.0	1.812	2.810	3.8	20.1
9 8	23 5.76	− 9 21.9	1.798	2.804	1.3	19.9
9 18	22 58.01	−10 21.9	1.812	2.798	5.0	20.1
9 28	22 51.14	−11 12.0	1.853	2.792	8.9	20.4
10 8	22 45.89	−11 48.0	1.919	2.785	12.4	20.6

33399 Emilyann 9 7.8 331°.06 3°.2/ 5.8 18

7 30	23 32.33	−10 14.9	1.187	2.050	19.7	18.2
8 9	23 29.83	−10 39.7	1.115	2.042	15.6	17.9
8 19	23 24.08	−11 17.1	1.062	2.035	10.8	17.7
8 29	23 15.65	−12 0.4	1.029	2.029	5.6	17.4
9 8	23 5.72	−12 40.7	1.019	2.022	3.5	17.2
9 18	22 55.77	−13 9.3	1.032	2.017	8.0	17.5
9 28	22 47.43	−13 19.6	1.069	2.012	13.2	17.7
10 8	22 41.86	−13 8.9	1.125	2.008	17.9	18.0

77231 2001 FL_{36} 9 7.8 150°.81 0°.7/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.82	− 0 59.2	1.827	2.630	16.3	20.3
8 9	23 29.63	− 1 21.8	1.749	2.638	13.0	20.1
8 19	23 23.15	− 2 0.2	1.691	2.645	9.2	19.9
8 29	23 14.91	− 2 51.3	1.658	2.652	4.8	19.6
9 8	23 5.74	− 3 49.9	1.651	2.658	0.7	19.3
9 18	22 56.64	− 4 49.5	1.672	2.664	4.4	19.6
9 28	22 48.62	− 5 43.5	1.721	2.668	8.7	19.9
10 8	22 42.50	− 6 26.7	1.794	2.673	12.5	20.1

395257 2010 PJ_{77} 9 7.8 22°.10 1°.6/ 6.4 18

7 30	23 29.15	− 7 39.2	1.747	2.584	15.6	20.6
8 9	23 26.04	− 8 5.5	1.676	2.589	12.2	20.4
8 19	23 20.71	− 8 42.6	1.627	2.594	8.3	20.2
8 29	23 13.67	− 9 25.8	1.601	2.600	4.1	20.0
9 8	23 5.77	−10 9.2	1.601	2.606	1.7	19.8
9 18	22 57.97	−10 46.7	1.627	2.613	5.4	20.1
9 28	22 51.26	−11 13.3	1.680	2.620	9.4	20.3
10 8	22 46.40	−11 25.8	1.755	2.628	13.0	20.6

278012 2006 UR_{214} 9 7.8 265°.56 4°.8/ 2.1 18

7 30	23 28.19	−16 41.6	2.207	3.051	12.5	21.0
8 9	23 24.98	−17 55.5	2.128	3.043	9.8	20.8
8 19	23 19.85	−19 14.3	2.073	3.036	7.1	20.6
8 29	23 13.23	−20 31.5	2.043	3.029	5.0	20.5
9 8	23 5.78	−21 40.0	2.041	3.022	5.3	20.5
9 18	22 58.32	−22 33.8	2.065	3.015	7.6	20.6
9 28	22 51.69	−23 8.6	2.116	3.007	10.4	20.8
10 8	22 46.60	−23 23.0	2.189	3.000	13.1	21.0

509222 2006 SW_{296} 9 7.8 327°.02 0°.7/ 8.3 18

7 30	23 26.17	− 2 53.0	1.144	2.002	20.7	21.6
8 9	23 25.20	− 2 47.9	1.059	1.980	16.8	21.3
8 19	23 21.10	− 3 2.2	0.991	1.960	12.0	21.0
8 29	23 14.29	− 3 33.9	0.942	1.941	6.4	20.6
9 8	23 5.76	− 4 17.3	0.915	1.922	0.8	20.2
9 18	22 56.91	− 5 4.3	0.910	1.905	6.2	20.5
9 28	22 49.41	− 5 45.3	0.928	1.889	12.2	20.8
10 8	22 44.59	− 6 12.3	0.965	1.875	17.6	21.0

2317 Galya 9 7.8 324°.13 1°.2/ 8.8 18

7 30	23 25.72	+ 0 15.7	1.429	2.261	18.6	16.9
8 9	23 24.10	− 0 1.3	1.341	2.247	15.1	16.7
8 19	23 19.87	− 0 39.7	1.272	2.232	10.9	16.4
8 29	23 13.48	− 1 37.3	1.223	2.218	6.0	16.1
9 8	23 5.78	− 2 48.4	1.198	2.205	1.3	15.7
9 18	22 57.91	− 4 4.7	1.199	2.193	5.2	15.9
9 28	22 51.15	− 5 16.4	1.223	2.181	10.3	16.2
10 8	22 46.54	− 6 15.2	1.270	2.170	15.0	16.5

442540 2011 YR_{12} 9 7.8 335°.27 8°.4/29.3 17

7 30	23 22.38	−19 41.6	1.494	2.372	15.6	20.2
8 9	23 21.50	−21 48.1	1.422	2.354	12.5	20.0
8 19	23 18.08	−24 2.5	1.371	2.337	9.7	19.8
8 29	23 12.56	−26 12.8	1.344	2.321	8.4	19.7
9 8	23 5.82	−28 5.6	1.342	2.306	9.6	19.7
9 18	22 58.97	−29 30.1	1.363	2.291	12.5	19.8
9 28	22 53.24	−30 19.9	1.405	2.278	15.8	20.0
10 8	22 49.64	−30 34.0	1.465	2.266	18.9	20.2

482285 2011 SM_{245} 9 7.8 358°.85 0°.1/ 7.7 18

7 30	23 29.31	− 5 2.9	1.487	2.327	17.6	20.7
8 9	23 26.66	− 5 1.6	1.413	2.325	14.0	20.5
8 19	23 21.43	− 5 13.5	1.357	2.323	9.8	20.2
8 29	23 14.16	− 5 35.5	1.323	2.322	5.0	20.0
9 8	23 5.79	− 6 2.3	1.314	2.322	0.2	19.6
9 18	22 57.46	− 6 28.3	1.331	2.323	5.2	20.0
9 28	22 50.36	− 6 47.5	1.372	2.324	10.0	20.3
10 8	22 45.40	− 6 55.6	1.435	2.327	14.2	20.5

100312 1995 LQ 9 7.8 24°.10 2°.4/ 9.5 18

7 30	23 28.42	+ 0 58.2	1.115	1.959	22.0	19.2
8 9	23 26.61	+ 1 5.1	1.057	1.967	17.8	18.9
8 19	23 21.70	+ 0 48.5	1.015	1.976	12.8	18.7
8 29	23 14.37	+ 0 10.4	0.992	1.986	7.3	18.4
9 8	23 5.79	− 0 42.8	0.992	1.997	2.5	18.2
9 18	22 57.41	− 1 42.4	1.014	2.010	5.6	18.4
9 28	22 50.65	− 2 38.4	1.060	2.023	10.9	18.7
10 8	22 46.53	− 3 22.5	1.126	2.037	15.6	19.1

327797 2006 UO_{282} 9 7.8 43°.49 6°.2/ 3.5 17

7 30	23 34.48	−16 51.2	1.294	2.158	18.4	20.3
8 9	23 31.03	−17 47.2	1.241	2.166	14.5	20.1
8 19	23 24.53	−18 48.0	1.206	2.176	10.3	19.9
8 29	23 15.70	−19 43.9	1.194	2.186	6.9	19.7
9 8	23 5.77	−20 25.0	1.206	2.196	6.7	19.7
9 18	22 56.17	−20 44.2	1.242	2.206	9.8	19.9
9 28	22 48.27	−20 38.2	1.301	2.217	13.7	20.2
10 8	22 43.00	−20 8.1	1.380	2.228	17.3	20.5

257770 2000 CA_{98} 9 7.8 325°.13 1°.4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.01	− 7 9.7	2.060	2.889	13.8	20.5
8 9	23 24.15	− 7 43.8	1.972	2.880	10.8	20.3
8 19	23 19.34	− 8 28.5	1.906	2.872	7.4	20.0
8 29	23 13.01	− 9 19.8	1.865	2.864	3.7	19.8
9 8	23 5.84	−10 12.3	1.850	2.856	1.6	19.6
9 18	22 58.63	−11 0.3	1.863	2.848	5.0	19.8
9 28	22 52.24	−11 38.5	1.903	2.841	8.7	20.1
10 8	22 47.40	−12 3.4	1.967	2.834	12.1	20.3

370233 2002 PY_{90} 9 7.8 5°.37 2°.3/ 8.3 18 R

7 30	23 38.73	− 9 33.3	0.827	1.706	24.7	18.5
8 9	23 35.87	− 7 31.2	0.772	1.704	20.0	18.2
8 19	23 28.73	− 5 30.9	0.732	1.705	14.3	17.9
8 29	23 18.12	− 3 34.6	0.710	1.709	7.7	17.6
9 8	23 5.74	− 1 45.3	0.710	1.716	2.3	17.3
9 18	22 53.73	− 0 6.3	0.730	1.725	7.1	17.6
9 28	22 44.18	+ 1 21.4	0.772	1.737	13.3	18.0
10 8	22 38.42	+ 2 39.8	0.833	1.752	18.7	18.4

356993 1998 RY_{13} 9 7.8 31°.62 3°.2/10.2 18

7 30	23 34.81	+ 1 12.1	1.779	2.573	17.0	20.0
8 9	23 30.40	+ 1 58.6	1.708	2.586	13.9	19.8
8 19	23 23.67	+ 2 31.6	1.657	2.599	10.2	19.6
8 29	23 15.18	+ 2 51.1	1.630	2.614	6.3	19.4
9 8	23 5.81	+ 2 58.6	1.628	2.628	3.3	19.3
9 18	22 56.58	+ 2 57.0	1.653	2.644	4.7	19.4
9 28	22 48.51	+ 2 50.6	1.706	2.659	8.3	19.7
10 8	22 42.41	+ 2 44.0	1.783	2.676	11.8	19.9

393231 2013 GT_{102} 9 7.8 38°.26 1°.0/ 6.7 18

7 30	23 28.48	− 6 17.5	2.170	2.990	13.5	20.4
8 9	23 25.11	− 6 48.5	2.089	2.992	10.6	20.3
8 19	23 19.88	− 7 29.6	2.031	2.994	7.2	20.0
8 29	23 13.25	− 8 17.2	1.998	2.996	3.6	19.8
9 8	23 5.87	− 9 6.2	1.992	2.998	1.1	19.6
9 18	22 58.52	− 9 51.4	2.014	3.000	4.5	19.9
9 28	22 52.01	−10 28.2	2.064	3.002	8.1	20.1
10 8	22 47.00	−10 53.2	2.138	3.004	11.3	20.3

214376 2005 LF_{20} 9 7.8 330°.33 0°.5/ 6.8 17

7 30	23 21.33	− 6 17.8	4.154	4.959	7.8	20.1
8 9	23 18.60	− 6 48.1	4.062	4.956	6.1	20.0
8 19	23 14.95	− 7 23.8	3.994	4.953	4.1	19.9
8 29	23 10.61	− 8 2.9	3.953	4.951	2.0	19.7
9 8	23 5.93	− 8 42.9	3.942	4.948	0.6	19.6
9 18	23 1.23	− 9 21.3	3.961	4.946	2.6	19.7
9 28	22 56.91	− 9 55.6	4.009	4.944	4.6	19.9
10 8	22 53.28	−10 24.0	4.084	4.941	6.6	20.0

403942 2012 BB_{28} 9 7.8 218°.01 1°.8/ 5.5 18

7 30	23 26.51	− 7 32.8	2.400	3.223	12.3	21.0
8 9	23 23.43	− 8 31.5	2.316	3.222	9.6	20.8
8 19	23 18.67	− 9 40.3	2.254	3.220	6.5	20.6
8 29	23 12.62	−10 54.6	2.219	3.218	3.3	20.4
9 8	23 5.89	−12 8.7	2.212	3.216	2.0	20.3
9 18	22 59.14	−13 16.9	2.234	3.213	4.8	20.5
9 28	22 53.10	−14 14.0	2.284	3.211	8.1	20.7
10 8	22 48.39	−14 56.8	2.359	3.209	11.0	20.9

511010 2013 PV_{23} 9 7.8 278°.12 1°.5/ 8.9 17

7 30	23 32.73	− 0 30.3	1.587	2.401	17.9	22.1
8 9	23 29.58	− 0 29.2	1.485	2.379	14.6	21.9
8 19	23 23.72	− 0 45.2	1.402	2.357	10.6	21.6
8 29	23 15.52	− 1 17.3	1.341	2.334	5.9	21.2
9 8	23 5.83	− 2 1.3	1.305	2.311	1.6	20.9
9 18	22 55.79	− 2 51.3	1.295	2.288	5.1	21.1
9 28	22 46.73	− 3 39.7	1.311	2.264	10.2	21.3
10 8	22 39.82	− 4 19.4	1.349	2.241	14.9	21.5

279263 2009 VP_{73} 9 7.8 269°.22 2°.4/ 9.9 18

7 30	23 29.84	+ 2 59.1	1.702	2.503	17.4	21.5
8 9	23 26.94	+ 2 50.5	1.607	2.490	14.3	21.2
8 19	23 21.64	+ 2 22.1	1.531	2.478	10.5	21.0
8 29	23 14.35	+ 1 34.9	1.477	2.465	6.3	20.7
9 8	23 5.86	+ 0 32.8	1.449	2.453	2.6	20.4
9 18	22 57.20	− 0 37.6	1.447	2.440	4.7	20.5
9 28	22 49.50	− 1 48.4	1.471	2.427	9.1	20.8
10 8	22 43.74	− 2 51.7	1.519	2.414	13.3	21.0

84499 2002 TE_{285} 9 7.8 323°.28 1°.2/ 7.1 18

7 30	23 33.32	− 7 44.6	1.332	2.180	18.9	19.4
8 9	23 30.36	− 7 41.3	1.251	2.168	15.1	19.1
8 19	23 24.35	− 7 49.6	1.188	2.157	10.5	18.8
8 29	23 15.83	− 8 5.7	1.146	2.146	5.3	18.5
9 8	23 5.83	− 8 23.7	1.128	2.135	1.3	18.2
9 18	22 55.73	− 8 37.3	1.135	2.125	6.3	18.5
9 28	22 47.01	− 8 40.8	1.166	2.116	11.6	18.8
10 8	22 40.83	− 8 30.6	1.218	2.108	16.3	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
346174 2007 VJ_{334}			9 7.8 95°.60	1°.7/ 9.5 18		
	h m	° ′			°	m
7 30	23 29.96	+ 1 20.7	1.990	2.785	15.4	20.9
8 9	23 26.46	+ 1 13.3	1.908	2.789	12.5	20.7
8 19	23 20.93	+ 0 50.5	1.846	2.793	9.0	20.5
8 29	23 13.82	+ 0 14.1	1.808	2.797	5.2	20.2
9 8	23 5.88	− 0 32.0	1.796	2.801	1.9	20.0
9 18	22 57.96	− 1 22.7	1.812	2.805	4.0	20.2
9 28	22 50.96	− 2 12.3	1.856	2.809	7.8	20.4
10 8	22 45.62	− 2 55.2	1.925	2.813	11.3	20.7
11688 Amandugan			9 7.8 61°.61	0°.3/ 8.0 18		
7 30	23 34.04	− 3 24.6	1.423	2.253	18.8	18.3
8 9	23 30.51	− 3 28.7	1.352	2.257	15.0	18.1
8 19	23 24.16	− 3 48.6	1.298	2.260	10.5	17.8
8 29	23 15.59	− 4 21.1	1.267	2.264	5.4	17.5
9 8	23 5.85	− 5 0.4	1.261	2.268	0.3	17.2
9 18	22 56.18	− 5 39.8	1.280	2.272	5.4	17.6
9 28	22 47.90	− 6 12.3	1.324	2.276	10.3	17.9
10 8	22 42.00	− 6 32.8	1.391	2.280	14.7	18.1
278562 2008 GN_{74}			9 7.8 273°.35	1°.3/ 6.3 18		
7 30	23 26.80	− 5 41.9	2.184	3.006	13.4	21.5
8 9	23 23.88	− 6 34.6	2.094	2.998	10.5	21.3
8 19	23 19.13	− 7 39.7	2.026	2.990	7.2	21.0
8 29	23 12.92	− 8 52.9	1.983	2.982	3.5	20.8
9 8	23 5.90	−10 8.2	1.968	2.974	1.5	20.6
9 18	22 58.83	−11 19.4	1.982	2.966	4.8	20.9
9 28	22 52.52	−12 20.4	2.023	2.958	8.5	21.1
10 8	22 47.66	−13 6.9	2.089	2.950	11.7	21.3
142044 2002 QZ_{15}			9 7.8 3°.84	1°.4/ 8.9 18		
7 30	23 24.44	+ 1 37.8	1.183	2.027	21.0	19.8
8 9	23 23.44	+ 1 9.7	1.114	2.025	17.0	19.6
8 19	23 19.57	+ 0 14.9	1.062	2.025	12.2	19.3
8 29	23 13.37	− 1 3.5	1.031	2.026	6.7	19.0
9 8	23 5.90	− 2 37.1	1.021	2.028	1.5	18.7
9 18	22 58.44	− 4 14.8	1.036	2.031	5.5	19.0
9 28	22 52.39	− 5 44.1	1.074	2.035	11.0	19.3
10 8	22 48.77	− 6 55.6	1.133	2.039	15.9	19.6
108446 2001 KJ_{47}			9 7.8 103°.43	0°.9/ 8.7 18		
7 30	23 32.06	− 0 56.9	2.059	2.857	14.9	20.3
8 9	23 27.91	− 1 11.7	1.987	2.873	11.9	20.1
8 19	23 21.79	− 1 40.0	1.936	2.888	8.3	19.9
8 29	23 14.20	− 2 19.1	1.910	2.903	4.5	19.7
9 8	23 5.89	− 3 4.6	1.910	2.917	0.9	19.5
9 18	22 57.70	− 3 51.5	1.940	2.931	3.9	19.7
9 28	22 50.48	− 4 34.5	1.997	2.945	7.6	20.0
10 8	22 44.92	− 5 9.3	2.079	2.959	11.0	20.2
325936 2010 VL_{31}			9 7.8 264°.09	1°.8/ 3.9 18		
7 30	23 22.20	−14 21.0	4.663	5.483	6.8	20.6
8 9	23 19.20	−14 53.3	4.567	5.471	5.3	20.5
8 19	23 15.33	−15 27.6	4.496	5.459	3.6	20.4
8 29	23 10.82	−16 1.9	4.454	5.446	2.2	20.3
9 8	23 5.96	−16 33.7	4.441	5.434	2.0	20.3
9 18	23 1.08	−17 0.9	4.458	5.421	3.3	20.3
9 28	22 56.53	−17 21.5	4.503	5.408	5.0	20.5
10 8	22 52.63	−17 34.5	4.575	5.396	6.6	20.6
481278 2005 YD_{42}			9 7.8 173°.97	3°.0/11.3 18		
7 30	23 29.57	+ 5 37.8	2.546	3.305	13.4	21.7
8 9	23 25.71	+ 5 48.8	2.453	3.306	11.1	21.5
8 19	23 20.20	+ 5 46.2	2.381	3.307	8.4	21.4
8 29	23 13.40	+ 5 30.2	2.333	3.307	5.5	21.2
9 8	23 5.91	+ 5 2.9	2.312	3.308	3.3	21.0
9 18	22 58.39	+ 4 27.2	2.320	3.308	3.8	21.1
9 28	22 51.56	+ 3 47.4	2.357	3.308	6.5	21.3
10 8	22 46.03	+ 3 8.1	2.419	3.308	9.3	21.4
344101 1999 TR_{59}			9 7.8 304°.52	0°.6/ 8.2 18		
7 30	23 30.69	− 3 8.8	1.630	2.455	17.0	20.9
8 9	23 27.87	− 3 7.8	1.528	2.430	13.8	20.6
8 19	23 22.47	− 3 21.2	1.445	2.405	9.8	20.3
8 29	23 14.88	− 3 47.1	1.384	2.381	5.2	20.0
9 8	23 5.88	− 4 21.0	1.349	2.356	0.6	19.6
9 18	22 56.57	− 4 57.4	1.339	2.332	5.1	19.9
9 28	22 48.21	− 5 29.6	1.355	2.308	10.1	20.1
10 8	22 41.88	− 5 52.0	1.394	2.284	14.6	20.3
253960 2004 DK_{44}			9 7.8 182°.29	0°.7/ 8.4 17		
7 30	23 33.70	− 1 31.6	1.849	2.653	16.1	21.5
8 9	23 29.63	− 1 47.2	1.764	2.654	12.9	21.3
8 19	23 23.25	− 2 17.7	1.700	2.654	9.1	21.1
8 29	23 15.07	− 3 0.5	1.660	2.654	4.8	20.8
9 8	23 5.89	− 3 50.7	1.646	2.653	0.7	20.5
9 18	22 56.70	− 4 42.4	1.661	2.652	4.4	20.8
9 28	22 48.55	− 5 29.3	1.702	2.651	8.7	21.1
10 8	22 42.26	− 6 6.3	1.768	2.648	12.6	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
418067 2007 VJ_{199}			9 7.8 106°.35	2°.5/ 9.9 17		
	h m	° ′			°	m
7 30	23 33.62	+ 3 27.2	1.526	2.326	19.1	21.5
8 9	23 29.89	+ 3 15.2	1.457	2.340	15.5	21.3
8 19	23 23.56	+ 2 41.6	1.407	2.354	11.3	21.1
8 29	23 15.23	+ 1 48.5	1.379	2.367	6.7	20.9
9 8	23 5.89	+ 0 41.2	1.377	2.380	2.7	20.7
9 18	22 56.69	− 0 32.6	1.400	2.393	4.8	20.8
9 28	22 48.82	− 1 44.1	1.450	2.406	9.3	21.1
10 8	22 43.15	− 2 45.7	1.524	2.418	13.4	21.4
443820 1999 UB_{18}			9 7.8 325°.51	5°.0/ 3.4 18		
7 30	23 32.27	−18 14.0	1.947	2.792	13.9	20.9
8 9	23 28.47	−18 50.3	1.868	2.782	11.0	20.7
8 19	23 22.42	−19 28.8	1.811	2.774	8.0	20.5
8 29	23 14.63	−20 3.4	1.778	2.765	5.5	20.3
9 8	23 5.90	−20 27.6	1.771	2.757	5.3	20.3
9 18	22 57.21	−20 36.6	1.791	2.749	7.8	20.4
9 28	22 49.56	−20 27.5	1.836	2.742	10.9	20.6
10 8	22 43.75	−19 59.9	1.904	2.735	14.0	20.8
515388 2013 GU_{23}			9 7.8 274°.05	2°.9/11.2 18		
7 30	23 26.91	+ 6 11.9	2.222	2.994	14.7	21.5
8 9	23 23.91	+ 5 58.6	2.131	2.993	12.2	21.4
8 19	23 19.11	+ 5 27.7	2.060	2.992	9.1	21.2
8 29	23 12.90	+ 4 40.2	2.013	2.992	5.8	21.0
9 8	23 5.93	+ 3 39.4	1.992	2.991	3.1	20.8
9 18	22 58.93	+ 2 30.1	1.999	2.990	3.9	20.8
9 28	22 52.69	+ 1 18.4	2.034	2.990	7.0	21.0
10 8	22 47.88	+ 0 10.8	2.095	2.989	10.3	21.2
397618 2007 VH_{278}			9 7.8 325°.08	4°.6/ 3.6 18		
7 30	23 31.00	−15 10.4	1.813	2.660	14.7	21.0
8 9	23 27.59	−16 3.9	1.739	2.656	11.5	20.8
8 19	23 21.87	−17 3.2	1.687	2.654	8.1	20.6
8 29	23 14.37	−18 1.6	1.659	2.651	5.2	20.4
9 8	23 5.91	−18 51.4	1.657	2.648	5.0	20.4
9 18	22 57.50	−19 26.5	1.682	2.646	7.7	20.6
9 28	22 50.18	−19 42.5	1.732	2.643	11.2	20.8
10 8	22 44.76	−19 38.3	1.804	2.641	14.3	21.0
254310 2004 RW_{315}			9 7.8 350°.57	8°.1/29.3 18		
7 30	23 26.95	−23 58.3	1.850	2.710	13.8	19.2
8 9	23 24.52	−25 44.0	1.789	2.706	11.3	19.0
8 19	23 19.81	−27 29.5	1.751	2.703	9.1	18.9
8 29	23 13.34	−29 5.3	1.737	2.700	8.1	18.8
9 8	23 5.93	−30 22.0	1.749	2.698	9.0	18.9
9 18	22 58.56	−31 13.1	1.785	2.696	11.1	19.0
9 28	22 52.25	−31 35.3	1.844	2.695	13.6	19.2
10 8	22 47.82	−31 29.4	1.922	2.694	16.0	19.3
394231 2006 SF_{358}			9 7.8 57°.44	3°.9/12.0 18		
7 30	23 27.89	+ 8 1.5	1.975	2.744	16.4	21.0
8 9	23 24.88	+ 8 0.7	1.894	2.751	13.7	20.8
8 19	23 19.86	+ 7 40.1	1.832	2.758	10.4	20.6
8 29	23 13.31	+ 7 0.1	1.792	2.765	7.0	20.4
9 8	23 5.93	+ 6 3.6	1.778	2.772	4.3	20.2
9 18	22 58.58	+ 4 55.8	1.791	2.779	4.6	20.3
9 28	22 52.14	+ 3 43.6	1.831	2.787	7.6	20.5
10 8	22 47.32	+ 2 34.1	1.896	2.794	10.9	20.7
300443 2007 TR_{47}			9 7.8 332°.95	0°.8/ 7.2 18		
7 30	23 31.17	− 6 30.6	1.646	2.479	16.5	20.8
8 9	23 27.97	− 6 39.0	1.563	2.472	13.1	20.6
8 19	23 22.30	− 6 59.0	1.500	2.466	9.1	20.3
8 29	23 14.66	− 7 27.0	1.461	2.460	4.5	20.1
9 8	23 5.91	− 7 57.6	1.447	2.454	0.9	19.8
9 18	22 57.14	− 8 25.2	1.459	2.449	5.3	20.1
9 28	22 49.48	− 8 44.3	1.497	2.444	9.8	20.4
10 8	22 43.85	− 8 51.1	1.558	2.439	13.9	20.6
327763 2006 UE_{53}			9 7.8 71°.00	5°.6/ 3.6 17		
7 30	23 34.84	−15 45.8	1.431	2.286	17.4	20.5
8 9	23 31.07	−16 44.6	1.374	2.296	13.7	20.3
8 19	23 24.46	−17 49.2	1.337	2.305	9.6	20.1
8 29	23 15.70	−18 50.7	1.323	2.315	6.3	19.9
9 8	23 5.90	−19 39.7	1.334	2.325	6.0	19.9
9 18	22 56.36	−20 9.0	1.370	2.334	9.1	20.1
9 28	22 48.35	−20 14.8	1.430	2.344	12.9	20.4
10 8	22 42.79	−19 57.5	1.511	2.354	16.3	20.6
156884 2003 EE_{9}			9 7.8 170°.04	1°.6/ 9.5 18		
7 30	23 30.56	+ 2 55.0	2.028	2.814	15.5	20.7
8 9	23 26.94	+ 2 22.3	1.942	2.818	12.5	20.5
8 19	23 21.28	+ 1 31.5	1.876	2.821	9.1	20.3
8 29	23 14.04	+ 0 24.9	1.834	2.823	5.2	20.1
9 8	23 5.94	− 0 52.5	1.820	2.825	1.7	19.9
9 18	22 57.83	− 2 14.4	1.833	2.826	4.0	20.0
9 28	22 50.62	− 3 33.3	1.876	2.827	7.8	20.3
10 8	22 45.05	− 4 43.0	1.943	2.827	11.4	20.5

264106 2009 SY_{330} 9 7.8 320°.04 2°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.14	− 9 5.0	1.991	2.830	13.9	20.0
8 9	23 23.62	− 9 53.6	1.901	2.815	10.9	19.8
8 19	23 19.10	−10 53.0	1.833	2.801	7.4	19.6
8 29	23 12.99	−11 58.1	1.789	2.788	3.9	19.3
9 8	23 5.96	−13 2.6	1.773	2.775	2.7	19.2
9 18	22 58.84	−13 59.8	1.783	2.762	5.8	19.4
9 28	22 52.56	−14 44.0	1.819	2.750	9.5	19.6
10 8	22 47.86	−15 11.6	1.879	2.738	12.9	19.8

216498 2000 BH_1 9 7.8 324°.79 2°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.08	− 7 8.1	1.172	2.041	19.5	20.0
8 9	23 24.29	− 7 46.0	1.088	2.019	15.6	19.7
8 19	23 20.47	− 8 43.0	1.022	1.998	10.8	19.3
8 29	23 14.02	− 9 53.4	0.976	1.977	5.5	19.0
9 8	23 5.93	−11 7.7	0.953	1.958	2.8	18.7
9 18	22 57.58	−12 14.5	0.952	1.940	7.8	19.0
9 28	22 50.53	−13 3.5	0.973	1.923	13.5	19.2
10 8	22 46.09	−13 28.1	1.014	1.907	18.5	19.5

141704 2002 LK_4 9 7.8 0°.44 6°.2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.55	−13 24.1	1.055	1.942	19.9	19.0
8 9	23 24.73	−14 40.4	0.999	1.939	15.6	18.7
8 19	23 20.67	−16 9.3	0.959	1.937	10.9	18.4
8 29	23 14.00	−17 39.7	0.941	1.937	7.0	18.2
9 8	23 5.95	−18 57.8	0.943	1.938	6.8	18.2
9 18	22 58.03	−19 52.2	0.968	1.940	10.7	18.4
9 28	22 51.78	−20 15.9	1.014	1.943	15.3	18.7
10 8	22 48.28	−20 8.0	1.077	1.948	19.5	19.0

271828 2004 TO_{167} 9 7.8 77°.87 0°.2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.18	− 4 14.9	1.647	2.468	17.0	20.5
8 9	23 30.04	− 4 31.0	1.585	2.486	13.4	20.4
8 19	23 23.49	− 5 0.5	1.542	2.503	9.3	20.1
8 29	23 15.15	− 5 39.5	1.523	2.520	4.6	19.9
9 8	23 5.95	− 6 22.3	1.530	2.537	0.3	19.6
9 18	22 56.97	− 7 2.8	1.564	2.554	4.9	20.0
9 28	22 49.27	− 7 35.3	1.624	2.571	9.2	20.3
10 8	22 43.63	− 7 55.9	1.709	2.588	13.0	20.6

428667 2008 GN_{115} 9 7.8 135°.29 1°.3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.18	+ 0 40.7	1.675	2.482	17.4	21.9
8 9	23 28.62	+ 0 21.5	1.598	2.488	14.0	21.7
8 19	23 22.65	− 0 16.1	1.541	2.493	10.0	21.5
8 29	23 14.81	− 1 9.3	1.506	2.499	5.5	21.2
9 8	23 5.96	− 2 12.7	1.498	2.504	1.4	21.0
9 18	22 57.15	− 3 19.4	1.516	2.509	4.6	21.2
9 28	22 49.48	− 4 21.7	1.561	2.514	9.0	21.5
10 8	22 43.81	− 5 13.2	1.630	2.518	13.0	21.7

362902 2012 CX_5 9 7.8 351°.36 4°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.38	−16 13.9	2.079	2.927	13.0	20.4
8 9	23 24.46	−17 28.5	2.008	2.925	10.2	20.2
8 19	23 19.57	−18 48.3	1.959	2.924	7.3	20.0
8 29	23 13.18	−20 6.2	1.935	2.923	5.1	19.9
9 8	23 5.98	−21 15.0	1.939	2.922	5.3	19.9
9 18	22 58.82	−22 8.5	1.969	2.921	7.7	20.0
9 28	22 52.54	−22 42.5	2.025	2.921	10.6	20.2
10 8	22 47.86	−22 55.7	2.103	2.921	13.3	20.4

353649 2011 UL_{116} 9 7.8 345°.68 3°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.16	−10 58.9	1.629	2.480	15.8	20.4
8 9	23 25.62	−11 48.8	1.554	2.475	12.4	20.2
8 19	23 20.68	−12 49.2	1.500	2.471	8.5	19.9
8 29	23 13.84	−13 53.5	1.469	2.467	4.7	19.7
9 8	23 5.97	−14 53.7	1.464	2.464	3.7	19.6
9 18	22 58.12	−15 42.3	1.484	2.461	7.1	19.8
9 28	22 51.39	−16 13.7	1.529	2.459	11.1	20.1
10 8	22 46.63	−16 24.9	1.597	2.457	14.7	20.3

479631 2014 DZ_{40} 9 7.8 168°.70 1°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.70	− 8 42.8	2.202	3.020	13.4	22.0
8 9	23 28.41	− 9 16.7	2.122	3.024	10.5	21.8
8 19	23 22.17	− 9 59.0	2.064	3.027	7.1	21.6
8 29	23 14.46	−10 45.6	2.031	3.029	3.6	21.4
9 8	23 5.97	−11 31.1	2.027	3.031	1.9	21.3
9 18	22 57.52	−12 10.6	2.051	3.032	5.0	21.5
9 28	22 49.96	−12 39.8	2.103	3.034	8.5	21.7
10 8	22 43.99	−12 55.9	2.180	3.034	11.6	21.9

342420 2008 UM_{72} 9 7.8 351°.52 2°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.96	−10 28.7	1.064	1.943	20.3	18.8
8 9	23 25.90	−10 20.1	0.995	1.931	16.2	18.5
8 19	23 21.57	−10 21.4	0.943	1.920	11.2	18.2
8 29	23 14.53	−10 27.6	0.911	1.912	5.7	17.9
9 8	23 5.97	−10 31.7	0.900	1.905	2.5	17.6
9 18	22 57.40	−10 27.2	0.911	1.901	7.4	17.9
9 28	22 50.46	−10 8.9	0.943	1.899	12.9	18.2
10 8	22 46.33	− 9 34.7	0.995	1.899	17.8	18.5

91518 1999 RJ_{177} 9 7.8 14°.04 1°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 33.29	− 8 32.5	2.015	2.837	14.3	18.4
8 9	23 29.05	− 8 34.4	1.935	2.838	11.3	18.2
8 19	23 22.71	− 8 43.8	1.876	2.839	7.7	18.0
8 29	23 14.76	− 8 57.4	1.843	2.841	3.9	17.8
9 8	23 5.97	− 9 11.0	1.837	2.843	1.2	17.6
9 18	22 57.25	− 9 20.7	1.858	2.845	4.7	17.8
9 28	22 49.52	− 9 22.9	1.907	2.847	8.5	18.1
10 8	22 43.52	− 9 15.4	1.981	2.850	11.9	18.3

192390 1996 RO_{30} 9 7.8 256°.07 0°.8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.92	− 0 21.4	4.467	5.240	7.8	20.3
8 9	23 19.77	− 0 26.7	4.368	5.238	6.2	20.2
8 19	23 15.74	− 0 38.3	4.294	5.237	4.4	20.1
8 29	23 11.07	− 0 55.0	4.247	5.235	2.5	19.9
9 8	23 6.05	− 1 15.5	4.229	5.234	0.9	19.8
9 18	23 1.03	− 1 37.7	4.241	5.232	2.0	19.9
9 28	22 56.35	− 1 59.8	4.282	5.231	3.9	20.0
10 8	22 52.34	− 2 19.6	4.352	5.229	5.8	20.1

88706 2001 SW 9 7.8 355°.62 1°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.20	− 0 35.0	1.954	2.761	15.3	19.8
8 9	23 25.97	− 0 47.1	1.870	2.760	12.3	19.6
8 19	23 20.68	− 1 13.7	1.806	2.760	8.7	19.4
8 29	23 13.78	− 1 52.8	1.766	2.759	4.8	19.1
9 8	23 6.02	− 2 39.8	1.752	2.759	1.1	18.9
9 18	22 58.24	− 3 29.6	1.766	2.759	4.1	19.1
9 28	22 51.37	− 4 16.3	1.807	2.759	8.0	19.4
10 8	22 46.16	− 4 54.7	1.873	2.759	11.6	19.6

12944 6745 P–L 9 7.9 248°.10 0°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.22	− 4 25.9	2.562	3.368	12.1	19.6
8 9	23 24.73	− 4 54.9	2.463	3.357	9.6	19.4
8 19	23 19.60	− 5 34.2	2.387	3.345	6.6	19.2
8 29	23 13.18	− 6 20.8	2.336	3.333	3.3	19.0
9 8	23 6.04	− 7 10.8	2.314	3.321	0.4	18.7
9 18	22 58.82	− 7 59.7	2.321	3.309	3.8	19.0
9 28	22 52.23	− 8 43.0	2.356	3.297	7.1	19.2
10 8	22 46.91	− 9 17.0	2.417	3.284	10.1	19.4

366026 2012 BR_{138} 9 7.9 150°.86 0°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.77	− 3 2.0	2.527	3.329	12.3	21.6
8 9	23 24.29	− 3 36.7	2.442	3.333	9.7	21.4
8 19	23 19.22	− 4 22.5	2.380	3.337	6.7	21.2
8 29	23 12.95	− 5 16.3	2.344	3.340	3.4	21.0
9 8	23 6.04	− 6 13.8	2.336	3.344	0.2	20.7
9 18	22 59.15	− 7 10.4	2.357	3.347	3.6	21.0
9 28	22 52.95	− 8 1.2	2.407	3.350	6.9	21.2
10 8	22 48.02	− 8 42.6	2.483	3.352	9.8	21.4

23835 1998 QF_{91} 9 7.9 14°.79 7°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.70	−22 9.7	1.288	2.152	18.4	17.3
8 9	23 32.88	−22 35.9	1.235	2.158	14.8	17.1
8 19	23 25.86	−22 59.4	1.201	2.165	11.0	16.9
8 29	23 16.45	−23 11.2	1.188	2.172	8.1	16.7
9 8	23 5.99	−23 3.3	1.199	2.181	7.9	16.7
9 18	22 55.95	−22 31.6	1.233	2.192	10.6	16.9
9 28	22 47.75	−21 36.0	1.290	2.203	14.1	17.2
10 8	22 42.30	−20 19.9	1.368	2.215	17.5	17.4

211057 2002 CP_{126} 9 7.9 130°.75 0°.9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.84	− 1 41.6	1.566	2.379	18.1	20.6
8 9	23 31.66	− 1 48.7	1.493	2.388	14.5	20.4
8 19	23 24.84	− 2 12.0	1.439	2.396	10.2	20.1
8 29	23 15.96	− 2 48.8	1.409	2.403	5.4	19.9
9 8	23 6.00	− 3 33.7	1.403	2.410	0.9	19.6
9 18	22 56.14	− 4 20.1	1.425	2.417	4.9	19.9
9 28	22 47.59	− 5 1.4	1.473	2.424	9.6	20.2
10 8	22 41.26	− 5 32.1	1.544	2.430	13.7	20.5

227142 2005 PL_1 9 7.9 332°.05 1°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.97	− 6 28.6	1.172	2.036	19.8	20.2
8 9	23 25.78	− 6 35.2	1.090	2.017	15.9	19.9
8 19	23 21.50	− 6 57.7	1.025	1.998	11.1	19.5
8 29	23 14.57	− 7 32.3	0.981	1.981	5.6	19.2
9 8	23 6.02	− 8 11.6	0.958	1.965	1.3	18.9
9 18	22 57.24	− 8 47.4	0.959	1.951	6.8	19.2
9 28	22 49.82	− 9 11.2	0.981	1.937	12.5	19.4
10 8	22 45.05	− 9 17.6	1.024	1.925	17.6	19.7

96967 1999 TG_{189} 9 7.9 273°.76 0°.3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.91	− 6 18.9	1.849	2.665	15.6	18.8
8 9	23 31.49	− 6 10.8	1.758	2.656	12.5	18.6
8 19	23 24.65	− 6 11.9	1.688	2.648	8.7	18.3
8 29	23 15.88	− 6 19.7	1.642	2.639	4.4	18.1
9 8	23 6.01	− 6 30.3	1.623	2.630	0.3	17.7
9 18	22 56.08	− 6 39.5	1.632	2.622	4.8	18.1
9 28	22 47.18	− 6 43.2	1.668	2.613	9.1	18.3
10 8	22 40.22	− 6 38.2	1.728	2.605	13.0	18.5

230317 2002 CY_{32} 9 7.9 225°.46 8°.2/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.10	−21 5.5	1.736	2.594	14.7	19.7
8 9	23 26.42	−23 26.6	1.674	2.593	11.8	19.5
8 19	23 21.30	−25 51.9	1.636	2.591	9.3	19.4
8 29	23 14.21	−28 9.5	1.623	2.590	8.2	19.3
9 8	23 6.04	−30 7.4	1.637	2.588	9.3	19.4
9 18	22 57.84	−31 36.6	1.676	2.586	11.7	19.5
9 28	22 50.76	−32 32.4	1.738	2.584	14.5	19.7
10 8	22 45.70	−32 55.2	1.818	2.582	17.1	19.9

187006 2004 TK_{127} 9 7.9 358°.53 6°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.60	−20 46.3	1.585	2.448	15.6	18.9
8 9	23 26.87	−21 38.6	1.521	2.444	12.5	18.7
8 19	23 21.58	−22 31.6	1.478	2.442	9.3	18.5
8 29	23 14.32	−23 16.9	1.458	2.440	7.1	18.4
9 8	23 6.06	−23 46.4	1.462	2.440	7.4	18.4
9 18	22 57.94	−23 54.5	1.491	2.441	9.8	18.5
9 28	22 51.11	−23 38.5	1.542	2.443	13.0	18.7
10 8	22 46.43	−22 59.4	1.615	2.445	16.1	19.0

487376 2014 QF_{272} 9 7.9 356°.32 0°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.09	− 7 46.2	2.080	2.900	14.0	20.6
8 9	23 28.09	− 7 49.9	1.997	2.899	11.0	20.4
8 19	23 22.05	− 8 1.5	1.936	2.898	7.6	20.2
8 29	23 14.47	− 8 17.9	1.900	2.897	3.8	20.0
9 8	23 6.06	− 8 35.2	1.890	2.897	1.0	19.7
9 18	22 57.68	− 8 49.1	1.909	2.897	4.5	20.0
9 28	22 50.23	− 8 56.2	1.956	2.897	8.3	20.2
10 8	22 44.42	− 8 53.9	2.027	2.897	11.6	20.5

450350 2004 VT_{5} 9 7.9 313°.66 3°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.55	+ 8 26.7	2.130	2.895	15.4	20.9
8 9	23 23.07	+ 8 24.5	2.029	2.883	13.0	20.7
8 19	23 18.71	+ 8 3.1	1.947	2.871	10.0	20.5
8 29	23 12.84	+ 7 22.4	1.888	2.859	6.9	20.3
9 8	23 6.09	+ 6 24.8	1.855	2.848	4.3	20.1
9 18	22 59.22	+ 5 14.6	1.848	2.836	4.6	20.1
9 28	22 53.07	+ 3 58.4	1.869	2.825	7.4	20.3
10 8	22 48.39	+ 2 43.3	1.915	2.815	10.7	20.4

323345 2003 UM_{295} 9 7.9 112°.64 3°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.12	+ 6 7.1	1.528	2.321	19.4	21.4
8 9	23 28.09	+ 6 1.1	1.452	2.327	16.0	21.2
8 19	23 22.48	+ 5 31.2	1.393	2.332	12.0	21.0
8 29	23 14.83	+ 4 38.2	1.356	2.338	7.6	20.8
9 8	23 6.06	+ 3 26.7	1.343	2.343	3.9	20.6
9 18	22 57.32	+ 2 3.9	1.356	2.348	5.1	20.6
9 28	22 49.80	+ 0 39.6	1.395	2.353	9.3	20.9
10 8	22 44.42	− 0 37.3	1.457	2.358	13.4	21.2

392433 2010 OF_{119} 9 7.9 152°.47 2°.2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.68	−11 41.1	2.014	2.835	14.4	21.3
8 9	23 32.51	−11 49.2	1.935	2.838	11.3	21.1
8 19	23 25.11	−12 2.5	1.878	2.841	7.8	20.9
8 29	23 16.01	−12 17.1	1.847	2.843	4.1	20.7
9 8	23 6.05	−12 28.2	1.843	2.846	2.4	20.6
9 18	22 56.19	−12 31.9	1.867	2.848	5.5	20.8
9 28	22 47.43	−12 25.2	1.920	2.850	9.1	21.0
10 8	22 40.52	−12 6.8	1.997	2.852	12.4	21.2

251441 2008 CK_{42} 9 7.9 95°.63 1°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.44	+ 1 45.9	2.139	2.933	14.5	21.4
8 9	23 24.39	+ 1 16.2	2.055	2.936	11.7	21.2
8 19	23 19.49	+ 0 30.3	1.991	2.940	8.4	21.0
8 29	23 13.18	− 0 29.1	1.953	2.943	4.7	20.8
9 8	23 6.11	− 1 37.7	1.941	2.947	1.4	20.6
9 18	22 59.04	− 2 49.5	1.957	2.950	3.7	20.8
9 28	22 52.79	− 3 58.2	2.001	2.953	7.4	21.0
10 8	22 48.02	− 4 58.3	2.071	2.957	10.7	21.2

93137 2000 SC_{71} 9 7.9 335°.03 1°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.28	− 4 47.7	1.508	2.349	17.4	19.4
8 9	23 25.95	− 5 23.0	1.429	2.343	13.8	19.1
8 19	23 21.08	− 6 14.8	1.370	2.337	9.5	18.9
8 29	23 14.16	− 7 18.5	1.333	2.332	4.7	18.6
9 8	23 6.10	− 8 26.6	1.321	2.327	1.2	18.3
9 18	22 57.99	− 9 30.8	1.334	2.323	5.8	18.6
9 28	22 51.04	−10 23.2	1.372	2.319	10.5	18.9
10 8	22 46.19	−10 58.5	1.433	2.316	14.7	19.1

252711 2002 CU_{152} 9 7.9 223°.16 0°.5/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.74	− 7 20.8	4.611	5.412	7.2	20.8
8 9	23 19.63	− 7 37.9	4.518	5.410	5.6	20.7
8 19	23 15.66	− 7 59.1	4.449	5.408	3.8	20.6
8 29	23 11.07	− 8 22.7	4.408	5.405	1.9	20.4
9 8	23 6.16	− 8 46.8	4.396	5.403	0.6	20.3
9 18	23 1.25	− 9 9.4	4.415	5.400	2.3	20.4
9 28	22 56.67	− 9 28.7	4.463	5.397	4.2	20.6
10 8	22 52.73	− 9 43.0	4.539	5.395	6.0	20.7

205399 2001 EX_{3} 9 7.9 275°.77 1°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.33	− 4 18.6	1.887	2.710	15.1	20.7
8 9	23 25.59	− 5 12.0	1.787	2.692	12.0	20.4
8 19	23 20.66	− 6 21.8	1.709	2.673	8.3	20.2
8 29	23 13.94	− 7 43.8	1.655	2.654	4.1	19.9
9 8	23 6.12	− 9 11.1	1.628	2.634	1.3	19.6
9 18	22 58.10	−10 35.6	1.629	2.615	5.4	19.9
9 28	22 50.91	−11 49.6	1.656	2.595	9.7	20.1
10 8	22 45.43	−12 47.1	1.707	2.575	13.6	20.3

469826 2005 SG_{211} 9 7.9 330°.92 0°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.03	− 3 7.5	1.252	2.103	19.7	20.7
8 9	23 25.61	− 3 10.5	1.169	2.086	15.9	20.4
8 19	23 21.27	− 3 31.9	1.103	2.071	11.2	20.1
8 29	23 14.44	− 4 9.2	1.058	2.056	5.9	19.8
9 8	23 6.11	− 4 56.3	1.035	2.042	0.4	19.3
9 18	22 57.58	− 5 45.3	1.036	2.030	5.8	19.7
9 28	22 50.32	− 6 27.2	1.060	2.018	11.5	20.0
10 8	22 45.53	− 6 55.1	1.104	2.008	16.5	20.2

476046 2007 RN_{288} 9 7.9 318°.52 0°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.51	− 3 10.8	1.496	2.337	17.5	20.7
8 9	23 24.03	− 3 38.7	1.397	2.309	14.1	20.4
8 19	23 19.99	− 4 25.5	1.316	2.282	9.9	20.1
8 29	23 13.76	− 5 28.4	1.257	2.256	5.1	19.8
9 8	23 6.12	− 6 40.8	1.222	2.229	0.4	19.4
9 18	22 58.16	− 7 54.2	1.212	2.204	5.7	19.7
9 28	22 51.16	− 8 59.2	1.227	2.179	10.9	19.9
10 8	22 46.23	− 9 48.2	1.264	2.156	15.7	20.1

81471 2000 GY_{138} 9 7.9 346°.38 2°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.00	− 4 0.3	1.430	2.284	17.5	17.7
8 9	23 20.34	− 5 28.1	1.351	2.274	13.7	17.4
8 19	23 17.28	− 7 18.7	1.292	2.265	9.3	17.2
8 29	23 12.27	− 9 24.9	1.256	2.257	4.6	16.9
9 8	23 6.15	−11 35.6	1.246	2.251	2.6	16.7
9 18	22 59.94	−13 37.9	1.261	2.245	7.0	17.0
9 28	22 54.82	−15 20.5	1.301	2.240	11.7	17.2
10 8	22 51.69	−16 36.2	1.362	2.237	15.9	17.5

282725 2006 DF_{57} 9 7.9 280°.26 5°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.56	−19 45.7	2.499	3.336	11.4	21.0
8 9	23 26.13	−21 8.3	2.397	3.306	9.1	20.8
8 19	23 20.81	−22 35.4	2.319	3.275	6.9	20.6
8 29	23 13.95	−24 0.4	2.268	3.244	5.5	20.5
9 8	23 6.13	−25 16.3	2.245	3.212	6.0	20.5
9 18	22 58.10	−26 16.9	2.250	3.180	8.1	20.5
9 28	22 50.70	−26 57.7	2.280	3.148	10.8	20.7
10 8	22 44.68	−27 16.9	2.334	3.115	13.3	20.8

442813 2013 AM_{44} 9 7.9 271°.16 2°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.33	− 8 45.1	2.007	2.838	14.0	21.8
8 9	23 26.12	− 9 30.2	1.921	2.830	11.0	21.6
8 19	23 20.84	−10 25.7	1.856	2.823	7.5	21.3
8 29	23 13.94	−11 26.7	1.817	2.815	3.9	21.1
9 8	23 6.13	−12 27.1	1.804	2.807	2.4	21.0
9 18	22 58.28	−13 20.3	1.819	2.800	5.6	21.2
9 28	22 51.30	−14 1.1	1.861	2.792	9.3	21.4
10 8	22 45.97	−14 26.1	1.927	2.784	12.7	21.6

446441 2014 JA_{45} 9 7.9 113°.51 0°.5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.73	− 1 35.5	2.055	2.861	14.6	21.9
8 9	23 26.27	− 1 55.6	1.973	2.864	11.7	21.7
8 19	23 20.83	− 2 29.3	1.912	2.867	8.2	21.5
8 29	23 13.89	− 3 13.8	1.876	2.870	4.3	21.2
9 8	23 6.13	− 4 4.7	1.866	2.873	0.6	21.0
9 18	22 58.40	− 4 56.6	1.884	2.876	4.0	21.2
9 28	22 51.55	− 5 43.9	1.930	2.879	7.8	21.5
10 8	22 46.29	− 6 21.9	2.001	2.882	11.3	21.7

284262 2006 GY_{51} 9 7.9 99°.59 5°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.46	+11 38.3	2.039	2.774	17.0	20.7
8 9	23 29.17	+12 4.4	1.965	2.792	14.4	20.5
8 19	23 22.80	+12 10.4	1.910	2.811	11.4	20.4
8 29	23 14.86	+11 55.4	1.876	2.829	8.3	20.2
9 8	23 6.12	+11 21.0	1.868	2.847	6.0	20.1
9 18	22 57.48	+10 31.0	1.887	2.864	5.8	20.1
9 28	22 49.84	+ 9 31.3	1.933	2.881	7.9	20.3
10 8	22 43.92	+ 8 29.1	2.005	2.898	10.7	20.5

332318 2006 WU_{62} 9 7.9 147°.16 1°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.16	− 0 47.4	1.968	2.763	15.6	21.9
8 9	23 30.57	− 0 59.7	1.890	2.772	12.5	21.7
8 19	23 23.82	− 1 26.3	1.831	2.782	8.9	21.5
8 29	23 15.40	− 2 4.7	1.798	2.790	4.8	21.3
9 8	23 6.12	− 2 50.3	1.791	2.798	1.0	21.1
9 18	22 56.91	− 3 38.0	1.814	2.805	4.1	21.3
9 28	22 48.72	− 4 22.0	1.864	2.812	8.1	21.6
10 8	22 42.33	− 4 57.6	1.939	2.818	11.7	21.8

428798 2008 SH_{303} 9 7.9 107°.90 3°.4/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 36.23	−13 12.2	1.820	2.653	15.2	21.0
8 9	23 31.55	−13 44.1	1.754	2.664	11.9	20.8
8 19	23 24.52	−14 21.8	1.709	2.674	8.2	20.6
8 29	23 15.74	−14 59.4	1.689	2.684	4.6	20.4
9 8	23 6.12	−15 30.7	1.696	2.694	3.7	20.3
9 18	22 56.67	−15 50.5	1.730	2.704	6.6	20.5
9 28	22 48.46	−15 55.3	1.791	2.713	10.2	20.8
10 8	22 42.24	−15 44.2	1.875	2.722	13.4	21.0

184943 2005 VX_{123} 9 7.9 182°.18 3°.5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.57	+ 7 57.4	2.317	3.074	14.6	20.4
8 9	23 24.40	+ 7 52.8	2.225	3.074	12.1	20.2
8 19	23 19.48	+ 7 30.7	2.152	3.074	9.3	20.0
8 29	23 13.19	+ 6 51.7	2.103	3.074	6.3	19.8
9 8	23 6.15	+ 5 58.3	2.081	3.074	3.8	19.7
9 18	22 59.08	+ 4 54.7	2.086	3.074	4.2	19.7
9 28	22 52.73	+ 3 46.7	2.119	3.074	6.9	19.9
10 8	22 47.78	+ 2 40.3	2.179	3.073	9.9	20.1

195627 2002 LS_{60} 9 7.9 211°.38 3°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.38	+ 5 31.2	2.179	2.946	15.1	21.0
8 9	23 27.57	+ 5 32.1	2.082	2.941	12.5	20.8
8 19	23 21.78	+ 5 16.4	2.005	2.935	9.4	20.6
8 29	23 14.41	+ 4 44.6	1.952	2.929	6.1	20.4
9 8	23 6.14	+ 3 59.2	1.925	2.923	3.3	20.2
9 18	22 57.78	+ 3 4.4	1.926	2.916	4.2	20.2
9 28	22 50.20	+ 2 6.1	1.956	2.909	7.4	20.4
10 8	22 44.17	+ 1 10.2	2.011	2.901	10.8	20.6

70755 1999 VB_{27} 9 7.9 218°.37 0°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.93	− 1 10.1	2.219	3.015	14.0	20.1
8 9	23 27.15	− 1 31.0	2.124	3.009	11.2	19.9
8 19	23 21.45	− 2 5.3	2.050	3.002	7.9	19.7
8 29	23 14.23	− 2 50.5	2.001	2.994	4.2	19.5
9 8	23 6.15	− 3 42.7	1.979	2.986	0.7	19.2
9 18	22 57.99	− 4 36.6	1.986	2.978	3.8	19.4
9 28	22 50.60	− 5 26.9	2.022	2.969	7.6	19.6
10 8	22 44.72	− 6 8.9	2.083	2.960	11.1	19.8

322117 2010 VN_{162} 9 7.9 193°.44 3°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.34	−16 48.0	2.480	3.311	11.7	21.1
8 9	23 27.20	−17 29.9	2.402	3.310	9.2	20.9
8 19	23 21.30	−18 14.4	2.348	3.309	6.5	20.7
8 29	23 14.07	−18 56.5	2.320	3.308	4.3	20.6
9 8	23 6.15	−19 31.3	2.320	3.307	4.2	20.6
9 18	22 58.28	−19 54.6	2.348	3.306	6.3	20.7
9 28	22 51.22	−20 3.5	2.403	3.304	8.9	20.9
10 8	22 45.58	−19 57.3	2.482	3.302	11.4	21.1

263919 2009 FL_{72} 9 7.9 85°.12 6°.5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 35.19	−16 48.4	1.364	2.223	17.9	20.1
8 9	23 31.58	−18 2.9	1.309	2.232	14.1	19.9
8 19	23 24.99	−19 23.0	1.273	2.241	10.1	19.7
8 29	23 16.12	−20 38.6	1.261	2.249	7.0	19.6
9 8	23 6.13	−21 38.7	1.273	2.258	7.0	19.6
9 18	22 56.39	−22 15.5	1.309	2.267	10.1	19.8
9 28	22 48.26	−22 25.0	1.368	2.276	13.8	20.1
10 8	22 42.69	−22 8.1	1.448	2.284	17.3	20.3

398114 2009 UB_{134} 9 7.9 337°.95 21°.4/28.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 55.22	−45 31.8	0.984	1.821	24.8	20.9
8 9	23 50.19	−47 3.9	0.945	1.813	23.1	20.8
8 19	23 39.22	−48 8.1	0.919	1.806	21.8	20.7
8 29	23 23.59	−48 23.4	0.908	1.799	21.4	20.6
9 8	23 6.03	−47 34.9	0.913	1.794	22.0	20.6
9 18	22 49.80	−45 39.9	0.934	1.789	23.5	20.7
9 28	22 37.55	−42 47.6	0.970	1.786	25.6	20.9
10 8	22 30.45	−39 14.9	1.021	1.783	27.7	21.0

433288 2013 BL_{51} 9 7.9 258°.48 1°.7/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.42	−13 7.0	4.525	5.343	7.0	21.6
8 9	23 19.44	−13 37.6	4.434	5.337	5.4	21.5
8 19	23 15.57	−14 10.6	4.368	5.330	3.7	21.4
8 29	23 11.05	−14 44.0	4.330	5.324	2.1	21.3
9 8	23 6.20	−15 15.3	4.321	5.318	1.8	21.2
9 18	23 1.33	−15 42.3	4.343	5.311	3.2	21.3
9 28	22 56.81	−16 3.2	4.393	5.305	4.9	21.5
10 8	22 52.95	−16 16.6	4.469	5.298	6.6	21.6

449764 2014 OM_{67} 9 7.9 250°.78 1°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.79	− 7 52.7	2.473	3.288	12.2	21.7
8 9	23 26.03	− 8 17.5	2.380	3.280	9.6	21.5
8 19	23 20.55	− 8 50.2	2.309	3.271	6.6	21.3
8 29	23 13.73	− 9 27.5	2.265	3.263	3.3	21.1
9 8	23 6.17	−10 5.3	2.248	3.254	1.4	20.9
9 18	22 58.56	−10 39.3	2.260	3.244	4.3	21.1
9 28	22 51.66	−11 5.6	2.301	3.235	7.6	21.3
10 8	22 46.10	−11 21.4	2.366	3.226	10.6	21.5

22714 1998 SR_{2} 9 7.9 78°.49 2°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 39.15	+ 0 2.8	2.377	3.145	13.9	17.9
8 9	23 33.17	+ 0 40.2	2.301	3.165	11.3	17.7
8 19	23 25.31	+ 1 7.6	2.248	3.185	8.2	17.5
8 29	23 16.06	+ 1 25.6	2.221	3.205	4.9	17.4
9 8	23 6.15	+ 1 35.6	2.223	3.225	2.3	17.2
9 18	22 56.39	+ 1 39.8	2.255	3.244	3.7	17.4
9 28	22 47.59	+ 1 41.0	2.316	3.264	6.8	17.6
10 8	22 40.39	+ 1 42.5	2.405	3.283	9.7	17.8

244882 2003 UC_{365} 9 7.9 18°.96 1°.3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.10	− 4 21.9	1.610	2.446	16.7	20.2
8 9	23 24.77	− 5 17.5	1.537	2.448	13.1	19.9
8 19	23 20.11	− 6 29.8	1.484	2.451	9.0	19.7
8 29	23 13.63	− 7 53.5	1.455	2.454	4.4	19.5
9 8	23 6.17	− 9 20.3	1.451	2.458	1.5	19.3
9 18	22 58.75	−10 41.4	1.475	2.462	5.7	19.6
9 28	22 52.43	−11 48.9	1.523	2.466	10.1	19.8
10 8	22 48.03	−12 37.7	1.595	2.470	13.9	20.1

370671 2004 DR_{35} 9 7.9 202°.61 2°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.17	+ 3 6.7	1.792	2.585	16.9	21.2
8 9	23 27.83	+ 2 45.6	1.704	2.583	13.8	21.0
8 19	23 22.18	+ 2 4.6	1.634	2.580	10.1	20.8
8 29	23 14.70	+ 1 5.6	1.588	2.577	5.9	20.5
9 8	23 6.16	− 0 6.7	1.569	2.573	2.2	20.3
9 18	22 57.56	− 1 25.4	1.576	2.569	4.4	20.4
9 28	22 49.94	− 2 42.5	1.611	2.564	8.6	20.7
10 8	22 44.17	− 3 50.6	1.670	2.560	12.6	20.9

433284 2013 BV 9 7.9 247°.31 0°.6/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.28	− 7 34.7	4.555	5.358	7.2	21.9
8 9	23 19.30	− 7 55.8	4.461	5.355	5.6	21.7
8 19	23 15.46	− 8 21.2	4.392	5.352	3.8	21.6
8 29	23 11.00	− 8 49.0	4.351	5.349	1.9	21.5
9 8	23 6.21	− 9 17.1	4.340	5.345	0.7	21.3
9 18	23 1.42	− 9 43.6	4.358	5.342	2.4	21.5
9 28	22 56.96	−10 6.4	4.406	5.339	4.3	21.6
10 8	22 53.14	−10 23.9	4.481	5.336	6.1	21.8

488083 2015 VL_{30} 9 7.9 292°.70 5°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.35	−22 11.1	2.273	3.107	12.5	21.4
8 9	23 29.85	−22 49.1	2.192	3.097	10.1	21.2
8 19	23 23.29	−23 26.3	2.133	3.086	7.6	21.0
8 29	23 15.14	−23 56.7	2.100	3.076	5.8	20.9
9 8	23 6.17	−24 14.6	2.094	3.066	6.0	20.9
9 18	22 57.23	−24 16.0	2.115	3.056	8.0	21.0
9 28	22 49.24	−23 58.9	2.162	3.046	10.6	21.2
10 8	22 42.93	−23 23.6	2.232	3.036	13.1	21.3

365772 2010 XN_{49} 9 7.9 326°.54 0°.1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.86	− 2 3.4	2.066	2.880	14.3	20.7
8 9	23 23.30	− 2 45.6	1.977	2.875	11.3	20.5
8 19	23 18.86	− 3 42.7	1.910	2.869	7.9	20.3
8 29	23 12.94	− 4 51.4	1.867	2.864	4.0	20.0
9 8	23 6.19	− 6 6.0	1.851	2.859	0.1	19.7
9 18	22 59.40	− 7 20.2	1.864	2.854	4.2	20.0
9 28	22 53.41	− 8 27.3	1.903	2.850	8.1	20.2
10 8	22 48.90	− 9 22.1	1.968	2.845	11.6	20.4

315151 2007 EH_{219} 9 7.9 83°.99 3°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.16	−13 4.0	2.352	3.182	12.3	20.8
8 9	23 26.26	−13 47.0	2.286	3.195	9.5	20.6
8 19	23 20.62	−14 34.9	2.243	3.208	6.5	20.5
8 29	23 13.71	−15 22.8	2.226	3.221	3.8	20.3
9 8	23 6.19	−16 5.7	2.237	3.233	3.2	20.3
9 18	22 58.78	−16 39.0	2.276	3.246	5.6	20.5
9 28	22 52.23	−16 59.5	2.343	3.258	8.4	20.7
10 8	22 47.13	−17 5.7	2.434	3.271	11.1	20.9

344971 2004 XN_{58} 9 7.9 276°.06 6°.5/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.68	+10 48.3	1.965	2.707	17.3	21.3
8 9	23 29.93	+11 40.1	1.854	2.686	14.9	21.1
8 19	23 23.80	+12 14.6	1.762	2.665	12.1	20.9
8 29	23 15.65	+12 29.2	1.691	2.643	9.1	20.7
9 8	23 6.18	+12 22.7	1.645	2.622	6.9	20.5
9 18	22 56.33	+11 56.6	1.626	2.600	6.9	20.4
9 28	22 47.25	+11 15.5	1.632	2.578	9.3	20.5
10 8	22 39.93	+10 26.2	1.663	2.556	12.5	20.7

316617 2011 WJ_{46} 9 7.9 269°.28 2°.6/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.42	−18 10.9	4.357	5.183	7.1	20.3
8 9	23 20.27	−18 45.3	4.274	5.179	5.6	20.2
8 19	23 16.17	−19 20.4	4.216	5.175	4.0	20.1
8 29	23 11.38	−19 53.7	4.186	5.170	2.8	20.0
9 8	23 6.23	−20 22.4	4.185	5.166	2.8	20.0
9 18	23 1.09	−20 44.5	4.213	5.162	4.1	20.1
9 28	22 56.34	−20 58.2	4.269	5.158	5.7	20.2
10 8	22 52.30	−21 2.6	4.351	5.153	7.2	20.3

251549 2009 CE_{23} 9 7.9 93°.25 2°.2/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 34.65	+ 1 48.8	1.410	2.221	19.9	20.7
8 9	23 30.99	+ 1 45.6	1.344	2.234	16.1	20.5
8 19	23 24.53	+ 1 21.5	1.296	2.247	11.6	20.2
8 29	23 15.91	+ 0 38.7	1.269	2.260	6.7	20.0
9 8	23 6.20	− 0 17.5	1.267	2.272	2.4	19.8
9 18	22 56.64	− 1 19.5	1.291	2.285	5.0	20.0
9 28	22 48.51	− 2 18.7	1.341	2.297	9.8	20.3
10 8	22 42.76	− 3 7.8	1.413	2.309	14.1	20.6

87797 2000 SF_{130} 9 7.9 62°.62 7°.7/16.9 18

7 30	23 29.10	+18 30.3	2.085	2.782	17.6	19.4
8 9	23 25.91	+19 8.0	2.003	2.791	15.5	19.3
8 19	23 20.69	+19 22.7	1.938	2.801	13.0	19.1
8 29	23 13.89	+19 12.0	1.893	2.810	10.5	19.0
9 8	23 6.22	+18 35.9	1.871	2.820	8.5	18.9
9 18	22 58.55	+17 37.4	1.874	2.829	7.8	18.9
9 28	22 51.77	+16 22.2	1.903	2.839	8.8	19.0
10 8	22 46.63	+14 58.4	1.957	2.849	10.9	19.1

316483 2010 VD_{52} 9 7.9 143°.31 0°.7/ 7.0 18

7 30	23 28.94	− 5 33.0	2.624	3.431	11.8	21.5
8 9	23 25.17	− 6 5.0	2.543	3.437	9.3	21.3
8 19	23 19.83	− 6 45.9	2.484	3.443	6.3	21.1
8 29	23 13.33	− 7 32.5	2.452	3.449	3.1	21.0
9 8	23 6.23	− 8 20.7	2.448	3.455	0.8	20.8
9 18	22 59.17	− 9 6.3	2.474	3.461	3.7	21.0
9 28	22 52.79	− 9 45.1	2.528	3.466	6.9	21.2
10 8	22 47.67	−10 14.3	2.609	3.471	9.6	21.4

321530 2009 SR_{249} 9 7.9 301°.55 2°.0/10.3 18

7 30	23 25.18	+ 4 24.3	2.293	3.074	14.0	20.5
8 9	23 22.62	+ 3 54.3	2.194	3.065	11.5	20.3
8 19	23 18.32	+ 3 7.1	2.115	3.055	8.5	20.1
8 29	23 12.67	+ 2 4.0	2.061	3.046	5.1	19.9
9 8	23 6.24	+ 0 49.2	2.034	3.037	2.2	19.7
9 18	22 59.73	− 0 32.1	2.035	3.028	3.6	19.8
9 28	22 53.89	− 1 53.3	2.064	3.019	7.0	20.0
10 8	22 49.40	− 3 8.1	2.119	3.010	10.3	20.2

515243 2012 CV_{17} 9 7.9 176°.97 1°.4/ 6.1 18

7 30	23 27.61	− 6 57.8	2.634	3.447	11.6	22.0
8 9	23 24.18	− 7 47.0	2.549	3.448	9.0	21.8
8 19	23 19.19	− 8 45.2	2.487	3.449	6.1	21.6
8 29	23 13.03	− 9 48.6	2.452	3.450	3.1	21.4
9 8	23 6.24	−10 52.4	2.446	3.450	1.5	21.3
9 18	22 59.45	−11 51.6	2.469	3.450	4.2	21.5
9 28	22 53.32	−12 42.0	2.520	3.450	7.3	21.7
10 8	22 48.41	−13 20.3	2.597	3.450	10.0	21.9

45647 2000 EF_{46} 9 7.9 252°.24 0°.1/ 7.7 18

7 30	23 28.86	− 4 8.7	2.691	3.491	11.7	19.8
8 9	23 25.20	− 4 28.1	2.589	3.479	9.3	19.6
8 19	23 19.94	− 4 56.8	2.510	3.466	6.5	19.4
8 29	23 13.44	− 5 32.5	2.456	3.452	3.3	19.2
9 8	23 6.24	− 6 11.7	2.431	3.439	0.1	18.9
9 18	22 58.96	− 6 50.5	2.436	3.425	3.5	19.1
9 28	22 52.27	− 7 25.1	2.469	3.411	6.7	19.3
10 8	22 46.78	− 7 52.0	2.528	3.397	9.7	19.5

69361 1994 PA_{13} 9 7.9 16°.25 0°.8/ 8.5 18

7 30	23 29.87	− 1 44.0	1.594	2.417	17.4	19.6
8 9	23 27.00	− 1 53.2	1.518	2.419	13.9	19.4
8 19	23 21.69	− 2 18.7	1.463	2.422	9.8	19.2
8 29	23 14.47	− 2 57.6	1.429	2.425	5.2	18.9
9 8	23 6.23	− 3 44.6	1.421	2.428	0.8	18.6
9 18	22 58.02	− 4 33.3	1.439	2.432	4.7	18.9
9 28	22 50.97	− 5 16.8	1.482	2.436	9.3	19.2
10 8	22 45.92	− 5 49.7	1.549	2.441	13.3	19.5

255271 2005 VS_{50} 9 7.9 2°.48 1°.7/ 6.1 15

7 30	23 24.58	− 5 36.1	1.646	2.490	16.0	20.2
8 9	23 22.77	− 6 32.7	1.572	2.489	12.6	20.0
8 19	23 18.73	− 7 44.8	1.519	2.489	8.6	19.8
8 29	23 12.95	− 9 6.7	1.489	2.489	4.2	19.5
9 8	23 6.24	−10 30.4	1.485	2.491	1.9	19.4
9 18	22 59.55	−11 47.5	1.507	2.493	5.8	19.6
9 28	22 53.88	−12 50.4	1.555	2.496	10.0	19.9
10 8	22 50.03	−13 34.4	1.625	2.499	13.8	20.1

482304 2011 UF_{95} 9 7.9 26°.21 2°.4/ 5.8 18

7 30	23 31.29	− 9 58.1	1.805	2.642	15.1	21.2
8 9	23 27.80	−10 28.7	1.732	2.644	11.9	21.0
8 19	23 22.06	−11 8.1	1.680	2.647	8.1	20.8
8 29	23 14.59	−11 51.3	1.652	2.651	4.2	20.6
9 8	23 6.23	−12 32.1	1.651	2.654	2.6	20.5
9 18	22 57.95	−13 4.7	1.676	2.658	5.9	20.7
9 28	22 50.74	−13 24.6	1.728	2.661	9.7	20.9
10 8	22 45.39	−13 29.2	1.803	2.665	13.2	21.2

198858 2005 LN_{51} 9 7.9 321°.41 1°.9/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.60	−11 56.2	3.906	4.729	7.9	19.7
8 9	23 19.00	−12 43.4	3.814	4.720	6.1	19.6
8 19	23 15.39	−13 34.6	3.747	4.711	4.2	19.4
8 29	23 11.04	−14 27.0	3.708	4.703	2.4	19.3
9 8	23 6.27	−15 17.5	3.698	4.695	2.0	19.2
9 18	23 1.49	−16 3.1	3.718	4.686	3.7	19.4
9 28	22 57.08	−16 41.1	3.766	4.678	5.7	19.5
10 8	22 53.43	−17 9.7	3.841	4.670	7.5	19.6

284872 2009 DV_{10} 9 7.9 334°.25 6°.6/13.0 18

7 30	23 31.16	+ 9 38.9	1.669	2.437	19.0	20.9
8 9	23 28.16	+10 35.5	1.580	2.430	16.2	20.7
8 19	23 22.64	+11 12.6	1.508	2.423	13.0	20.5
8 29	23 15.06	+11 27.4	1.457	2.416	9.6	20.3
9 8	23 6.23	+11 19.5	1.429	2.410	7.0	20.1
9 18	22 57.23	+10 51.4	1.426	2.405	7.0	20.1
9 28	22 49.24	+10 8.8	1.448	2.400	9.6	20.2
10 8	22 43.27	+ 9 19.6	1.493	2.395	13.0	20.4

179910 2002 VN_{24} 9 7.9 27°.75 4°.9/11.6 18

7 30	23 26.04	+ 6 26.3	0.943	1.786	25.2	18.2
8 9	23 25.06	+ 6 42.5	0.903	1.807	20.7	18.0
8 19	23 20.81	+ 6 25.9	0.876	1.829	15.5	17.8
8 29	23 14.09	+ 5 37.8	0.867	1.853	10.0	17.6
9 8	23 6.24	+ 4 25.2	0.878	1.878	5.4	17.4
9 18	22 58.80	+ 2 59.5	0.911	1.906	6.3	17.6
9 28	22 53.18	+ 1 33.9	0.966	1.934	10.9	17.9
10 8	22 50.30	+ 0 19.9	1.041	1.963	15.4	18.3

240690 2005 EV_{222} 9 7.9 189°.29 7°.2/30.6 18

7 30	23 31.34	−22 52.1	1.999	2.847	13.4	20.2
8 9	23 27.82	−24 27.1	1.936	2.847	10.9	20.0
8 19	23 22.08	−26 2.7	1.895	2.846	8.5	19.8
8 29	23 14.61	−27 29.9	1.879	2.846	7.3	19.8
9 8	23 6.24	−28 40.4	1.890	2.845	7.9	19.8
9 18	22 57.92	−29 28.1	1.926	2.844	10.0	19.9
9 28	22 50.63	−29 49.7	1.986	2.843	12.6	20.1
10 8	22 45.17	−29 45.7	2.067	2.841	15.0	20.3

175690 1995 SX_{34} 9 7.9 42°.90 0°.3/ 7.6 18

7 30	23 29.87	− 4 29.3	1.938	2.757	14.9	20.5
8 9	23 26.49	− 4 49.0	1.863	2.763	11.8	20.3
8 19	23 21.05	− 5 20.5	1.808	2.769	8.1	20.1
8 29	23 14.05	− 6 0.6	1.779	2.776	4.1	19.8
9 8	23 6.25	− 6 44.2	1.775	2.783	0.4	19.6
9 18	22 58.51	− 7 25.9	1.799	2.789	4.4	19.9
9 28	22 51.74	− 8 0.6	1.851	2.796	8.3	20.1
10 8	22 46.64	− 8 24.5	1.926	2.804	11.8	20.4

377306 2004 FG_{151} 9 7.9 90°.76 2°.7/ 5.8 16

7 30	23 36.85	−10 26.2	1.600	2.434	16.8	21.4
8 9	23 32.32	−10 55.5	1.539	2.449	13.2	21.2
8 19	23 25.21	−11 33.6	1.498	2.464	9.0	21.0
8 29	23 16.17	−12 14.6	1.482	2.479	4.7	20.8
9 8	23 6.23	−12 51.6	1.491	2.494	2.9	20.8
9 18	22 56.55	−13 18.6	1.527	2.508	6.4	21.0
9 28	22 48.25	−13 31.3	1.590	2.523	10.5	21.3
10 8	22 42.17	−13 28.0	1.675	2.537	14.1	21.5

169606 2002 GF_{95} 9 7.9 187°.17 2°.8/10.3 17

7 30	23 34.55	+ 3 41.3	1.761	2.547	17.5	20.9
8 9	23 30.56	+ 3 42.2	1.674	2.547	14.4	20.7
8 19	23 24.13	+ 3 24.3	1.606	2.546	10.6	20.4
8 29	23 15.74	+ 2 48.5	1.561	2.545	6.5	20.2
9 8	23 6.24	+ 1 58.4	1.541	2.543	3.0	20.0
9 18	22 56.68	+ 0 59.5	1.549	2.541	4.7	20.1
9 28	22 48.17	− 0 0.8	1.584	2.538	8.8	20.3
10 8	22 41.64	− 0 55.6	1.643	2.535	12.7	20.5

193401 2000 WA_{20} 9 7.9 322°.41 2°.4/ 9.9 18

7 30	23 28.72	+ 2 1.1	1.568	2.380	18.1	19.6
8 9	23 26.31	+ 2 3.6	1.480	2.371	14.8	19.4
8 19	23 21.40	+ 1 46.8	1.411	2.361	10.9	19.1
8 29	23 14.43	+ 1 11.8	1.363	2.352	6.5	18.8
9 8	23 6.26	+ 0 22.4	1.340	2.344	2.6	18.6
9 18	22 57.95	− 0 35.1	1.342	2.336	4.8	18.7
9 28	22 50.70	− 1 32.8	1.370	2.328	9.4	18.9
10 8	22 45.49	− 2 23.3	1.420	2.321	13.7	19.2

9780 Bandersnatch 9 7.9 211°.16 3°.5/10.6 18

7 30	23 35.63	+ 3 52.8	1.622	2.411	18.6	17.2
8 9	23 31.71	+ 4 10.6	1.533	2.407	15.4	17.0
8 19	23 25.12	+ 4 9.5	1.463	2.402	11.5	16.7
8 29	23 16.33	+ 3 49.5	1.415	2.397	7.3	16.5
9 8	23 6.26	+ 3 13.1	1.392	2.392	3.7	16.3
9 18	22 56.05	+ 2 25.5	1.395	2.386	5.2	16.3
9 28	22 46.97	+ 1 33.9	1.425	2.380	9.4	16.6
10 8	22 40.06	+ 0 45.7	1.478	2.373	13.6	16.8

41419 2000 AW_{234} 9 7.9 183°.71 0°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.02	− 3 23.5	3.368	4.163	9.7	19.7
8 9	23 21.79	− 3 49.4	3.277	4.163	7.6	19.5
8 19	23 17.37	− 4 23.1	3.208	4.163	5.3	19.4
8 29	23 12.07	− 5 2.6	3.167	4.162	2.7	19.2
9 8	23 6.30	− 5 44.9	3.155	4.162	0.0	18.9
9 18	23 0.53	− 6 26.9	3.172	4.162	2.7	19.2
9 28	22 55.24	− 7 5.5	3.219	4.161	5.3	19.4
10 8	22 50.85	− 7 37.9	3.292	4.160	7.7	19.5

474385 2002 TC_{43} 9 7.9 304°.97 12°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 45.48	−36 17.6	1.771	2.593	16.0	20.8
8 9	23 39.99	−37 21.1	1.689	2.563	14.2	20.6
8 19	23 31.12	−38 14.2	1.626	2.533	12.7	20.4
8 29	23 19.46	−38 45.1	1.585	2.503	12.1	20.3
9 8	23 6.23	−38 43.9	1.567	2.474	12.8	20.3
9 18	22 53.02	−38 4.8	1.572	2.444	14.6	20.3
9 28	22 41.45	−36 47.8	1.599	2.415	17.0	20.4
10 8	22 32.75	−34 58.3	1.645	2.386	19.5	20.6

50069 2000 AM_{78} 9 7.9 353°.25 5°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.99	−11 47.2	1.170	2.047	19.0	18.0
8 9	23 24.89	−13 7.1	1.106	2.042	14.9	17.7
8 19	23 20.77	−14 41.8	1.061	2.038	10.4	17.4
8 29	23 14.20	−16 20.9	1.038	2.035	6.3	17.2
9 8	23 6.28	−17 51.4	1.037	2.033	6.0	17.2
9 18	22 58.40	−19 1.6	1.060	2.032	9.9	17.4
9 28	22 52.01	−19 43.3	1.104	2.032	14.4	17.7
10 8	22 48.18	−19 54.3	1.167	2.033	18.6	17.9

69324 1993 FY_{46} 9 7.9 42°.62 0°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.74	− 5 14.4	1.429	2.268	18.3	19.5
8 9	23 28.52	− 5 35.1	1.374	2.286	14.4	19.3
8 19	23 22.70	− 6 10.2	1.338	2.304	9.8	19.1
8 29	23 14.94	− 6 54.7	1.324	2.323	4.9	18.9
9 8	23 6.28	− 7 41.7	1.336	2.343	0.9	18.6
9 18	22 57.89	− 8 24.2	1.373	2.363	5.4	19.0
9 28	22 50.92	− 8 56.0	1.435	2.383	10.0	19.3
10 8	22 46.15	− 9 13.4	1.519	2.404	13.9	19.6

20720 1999 XP_{101} 9 7.9 263°.19 3°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.64	−23 24.9	4.689	5.518	6.6	18.6
8 9	23 19.67	−24 13.0	4.607	5.508	5.3	18.5
8 19	23 15.79	−25 0.3	4.551	5.498	4.1	18.4
8 29	23 11.24	−25 44.1	4.523	5.488	3.4	18.3
9 8	23 6.32	−26 21.5	4.523	5.478	3.7	18.3
9 18	23 1.39	−26 50.4	4.552	5.467	4.8	18.4
9 28	22 56.81	−27 9.1	4.607	5.457	6.1	18.5
10 8	22 52.90	−27 17.0	4.687	5.447	7.4	18.6

23118 2000 AU_{27} 9 7.9 291°.37 0°.3/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.00	− 5 36.7	4.254	5.051	7.8	19.3
8 9	23 19.99	− 5 53.9	4.146	5.035	6.1	19.2
8 19	23 16.04	− 6 16.3	4.063	5.020	4.2	19.0
8 29	23 11.38	− 6 42.4	4.007	5.004	2.1	18.9
9 8	23 6.33	− 7 9.9	3.981	4.988	0.3	18.7
9 18	23 1.24	− 7 36.9	3.984	4.972	2.4	18.8
9 28	22 56.48	− 8 0.9	4.017	4.957	4.5	19.0
10 8	22 52.41	− 8 20.1	4.078	4.941	6.4	19.1

157724 2006 BK_{48} 9 7.9 149°.95 0°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.13	− 6 18.0	2.705	3.512	11.5	21.5
8 9	23 25.29	− 6 47.0	2.622	3.517	9.0	21.3
8 19	23 19.92	− 7 23.9	2.562	3.522	6.1	21.2
8 29	23 13.41	− 8 5.9	2.529	3.527	3.0	21.0
9 8	23 6.31	− 8 49.0	2.525	3.531	0.9	20.8
9 18	22 59.24	− 9 29.2	2.550	3.536	3.7	21.0
9 28	22 52.84	−10 2.8	2.603	3.540	6.7	21.2
10 8	22 47.66	−10 27.1	2.683	3.543	9.5	21.4

188148 2002 FG_{27} 9 7.9 136°.74 2°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.85	−12 22.2	2.732	3.552	11.0	21.4
8 9	23 26.58	−13 5.0	2.660	3.563	8.6	21.3
8 19	23 20.77	−13 52.5	2.612	3.574	5.9	21.1
8 29	23 13.83	−14 40.5	2.591	3.585	3.3	21.0
9 8	23 6.33	−15 24.6	2.598	3.595	2.7	20.9
9 18	22 58.90	−16 0.9	2.635	3.605	4.9	21.1
9 28	22 52.20	−16 26.2	2.700	3.615	7.5	21.3
10 8	22 46.77	−16 38.9	2.791	3.624	10.0	21.5

367468 2009 DG_{1} 9 7.9 80°.16 0°.9/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.40	− 5 9.2	1.345	2.180	19.4	21.4
8 9	23 32.38	− 5 34.0	1.289	2.198	15.3	21.2
8 19	23 25.48	− 6 14.4	1.251	2.216	10.5	21.0
8 29	23 16.40	− 7 5.0	1.236	2.234	5.2	20.7
9 8	23 6.30	− 7 58.1	1.245	2.253	1.0	20.5
9 18	22 56.52	− 8 45.7	1.281	2.270	5.9	20.9
9 28	22 48.33	− 9 21.1	1.341	2.288	10.7	21.2
10 8	22 42.63	− 9 40.4	1.424	2.306	14.9	21.5

295348 2008 HY_{24} 9 7.9 356°.23 7°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.18	−23 54.3	1.797	2.649	14.5	20.2
8 9	23 28.70	−24 52.9	1.733	2.646	11.8	20.0
8 19	23 22.78	−25 49.5	1.691	2.644	9.2	19.9
8 29	23 15.01	−26 36.1	1.672	2.643	7.6	19.8
9 8	23 6.32	−27 5.1	1.678	2.642	8.0	19.8
9 18	22 57.76	−27 11.4	1.709	2.642	10.1	19.9
9 28	22 50.42	−26 53.2	1.764	2.642	12.8	20.1
10 8	22 45.12	−26 11.8	1.839	2.643	15.5	20.3

66047 1998 QL_{85} 9 7.9 341°.72 10°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.22	+20 31.6	1.810	2.515	19.7	18.5
8 9	23 23.46	+21 41.0	1.715	2.502	17.8	18.3
8 19	23 19.42	+22 26.2	1.636	2.490	15.5	18.1
8 29	23 13.47	+22 42.4	1.574	2.478	13.1	17.9
9 8	23 6.34	+22 27.0	1.533	2.468	11.1	17.8
9 18	22 58.97	+21 40.8	1.515	2.458	10.3	17.7
9 28	22 52.47	+20 28.7	1.520	2.450	11.1	17.7
10 8	22 47.79	+18 59.8	1.547	2.443	13.1	17.9

62146 2000 SV_{16} 9 7.9 60°.39 3°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.34	+ 8 26.9	2.165	2.925	15.4	19.8
8 9	23 24.41	+ 8 18.4	2.075	2.926	12.8	19.6
8 19	23 19.61	+ 7 50.7	2.004	2.926	9.9	19.4
8 29	23 13.38	+ 7 4.3	1.956	2.927	6.6	19.2
9 8	23 6.34	+ 6 2.1	1.934	2.928	4.0	19.0
9 18	22 59.27	+ 4 49.0	1.940	2.928	4.3	19.1
9 28	22 52.99	+ 3 31.4	1.973	2.929	7.2	19.2
10 8	22 48.17	+ 2 16.2	2.032	2.929	10.3	19.4

521774 2015 SB_{26} 9 7.9 304°.16 1°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.49	− 8 54.6	2.067	2.890	14.0	21.6
8 9	23 28.55	− 9 5.6	1.979	2.883	11.0	21.4
8 19	23 22.53	− 9 24.2	1.913	2.876	7.6	21.1
8 29	23 14.88	− 9 47.0	1.871	2.869	3.8	20.9
9 8	23 6.34	−10 9.5	1.857	2.863	1.6	20.7
9 18	22 57.77	−10 27.3	1.871	2.856	4.9	21.0
9 28	22 50.11	−10 36.5	1.912	2.850	8.7	21.2
10 8	22 44.10	−10 34.5	1.977	2.844	12.1	21.4

49449 1998 YN_{13} 9 7.9 243°.94 4°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.14	−15 5.3	2.143	2.982	13.0	19.6
8 9	23 26.72	−16 14.6	2.060	2.973	10.2	19.4
8 19	23 21.28	−17 30.3	1.999	2.964	7.2	19.2
8 29	23 14.26	−18 45.9	1.965	2.954	4.8	19.0
9 8	23 6.35	−19 54.3	1.957	2.944	4.8	19.0
9 18	22 58.38	−20 49.1	1.977	2.934	7.3	19.2
9 28	22 51.25	−21 25.7	2.024	2.924	10.4	19.3
10 8	22 45.72	−21 42.2	2.093	2.914	13.3	19.5

504336 2007 TA_{152} 9 7.9 356°.77 2°.6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.75	+ 0 9.6	0.900	1.773	23.7	20.6
8 9	23 23.01	+ 0 30.2	0.839	1.766	19.4	20.3
8 19	23 19.89	+ 0 25.3	0.792	1.761	14.1	20.0
8 29	23 13.93	− 0 4.3	0.762	1.758	8.1	19.7
9 8	23 6.35	− 0 52.7	0.751	1.757	2.8	19.4
9 18	22 58.74	− 1 50.1	0.761	1.758	6.2	19.6
9 28	22 52.83	− 2 44.7	0.791	1.761	12.3	20.0
10 8	22 49.87	− 3 26.1	0.839	1.765	17.7	20.3

513721 2012 TM_{10} 9 7.9 338°.61 9°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.14	−24 52.2	1.348	2.209	17.9	20.8
8 9	23 33.60	−25 33.0	1.279	2.197	14.7	20.6
8 19	23 26.74	−26 10.1	1.229	2.186	11.5	20.4
8 29	23 17.23	−26 33.1	1.201	2.176	9.3	20.2
9 8	23 6.32	−26 32.5	1.195	2.166	9.5	20.2
9 18	22 55.56	−26 2.6	1.212	2.158	12.1	20.3
9 28	22 46.51	−25 2.6	1.252	2.151	15.5	20.5
10 8	22 40.28	−23 36.5	1.311	2.144	18.9	20.7

306523 1999 XR_{35} 9 7.9 215°.88 7°.3/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 40.26	−29 7.8	2.704	3.517	11.3	23.5
8 9	23 34.41	−30 30.2	2.624	3.504	9.5	23.3
8 19	23 26.46	−31 49.3	2.568	3.490	8.0	23.2
8 29	23 16.87	−32 58.0	2.539	3.475	7.3	23.2
9 8	23 6.33	−33 49.5	2.537	3.459	7.9	23.2
9 18	22 55.73	−34 19.2	2.563	3.441	9.5	23.3
9 28	22 45.99	−34 25.3	2.615	3.422	11.4	23.4
10 8	22 37.89	−34 8.6	2.688	3.402	13.3	23.5

431354 2007 CZ_{29} 9 7.9 185°.41 0°.4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.65	− 3 30.5	1.890	2.702	15.5	22.1
8 9	23 28.85	− 4 2.6	1.806	2.702	12.3	21.9
8 19	23 22.84	− 4 48.8	1.743	2.702	8.6	21.7
8 29	23 15.08	− 5 45.5	1.704	2.701	4.3	21.4
9 8	23 6.36	− 6 47.0	1.693	2.700	0.4	21.1
9 18	22 57.62	− 7 46.7	1.709	2.698	4.7	21.4
9 28	22 49.86	− 8 38.4	1.753	2.696	8.9	21.7
10 8	22 43.90	− 9 17.2	1.821	2.694	12.6	21.9

393893 2005 TQ_{119} 9 7.9 9°.82 3°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.96	+ 6 17.2	1.895	2.679	16.4	20.8
8 9	23 23.59	+ 6 2.2	1.811	2.680	13.6	20.6
8 19	23 19.19	+ 5 26.7	1.746	2.682	10.2	20.4
8 29	23 13.21	+ 4 31.8	1.703	2.684	6.5	20.2
9 8	23 6.37	+ 3 21.5	1.686	2.686	3.4	20.0
9 18	22 59.51	+ 2 1.9	1.696	2.688	4.3	20.1
9 28	22 53.54	+ 0 40.6	1.733	2.691	7.8	20.3
10 8	22 49.19	− 0 34.9	1.795	2.695	11.3	20.5

165076 2000 FX_{63} 9 7.9 136°.31 4°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.05	−16 14.8	2.105	2.939	13.4	20.4
8 9	23 29.65	−16 59.6	2.036	2.945	10.5	20.3
8 19	23 23.18	−17 47.8	1.988	2.951	7.4	20.1
8 29	23 15.16	−18 33.6	1.967	2.956	4.8	19.9
9 8	23 6.37	−19 10.8	1.972	2.961	4.5	19.9
9 18	22 57.68	−19 34.6	2.005	2.966	6.9	20.1
9 28	22 50.01	−19 42.1	2.065	2.971	9.9	20.3
10 8	22 44.07	−19 32.5	2.148	2.975	12.7	20.5

183934 2004 DK_{11} 9 7.9 128°.44 0°.4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.79	− 2 42.8	1.807	2.619	16.1	20.9
8 9	23 28.94	− 3 27.3	1.735	2.631	12.7	20.7
8 19	23 22.85	− 4 27.5	1.684	2.643	8.8	20.5
8 29	23 15.05	− 5 38.7	1.657	2.654	4.4	20.3
9 8	23 6.37	− 6 54.4	1.657	2.665	0.5	20.0
9 18	22 57.79	− 8 7.0	1.685	2.675	4.8	20.4
9 28	22 50.31	− 9 9.8	1.741	2.684	9.0	20.7
10 8	22 44.68	− 9 57.9	1.821	2.693	12.6	20.9

46945 1998 SB_{107} 9 7.9 332°.38 1°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.70	− 8 40.0	1.768	2.600	15.6	18.8
8 9	23 29.06	− 8 57.9	1.688	2.597	12.3	18.5
8 19	23 23.07	− 9 25.3	1.628	2.594	8.5	18.3
8 29	23 15.23	− 9 58.0	1.593	2.591	4.3	18.1
9 8	23 6.38	−10 30.4	1.583	2.589	1.9	17.9
9 18	22 57.55	−10 56.8	1.601	2.587	5.5	18.1
9 28	22 49.80	−11 12.6	1.645	2.584	9.7	18.4
10 8	22 43.97	−11 14.8	1.712	2.583	13.4	18.6

36002 1999 NA_{24} 9 7.9 222°.57 9°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.40	−26 9.9	1.893	2.744	14.0	18.9
8 9	23 28.23	−28 23.0	1.832	2.739	11.6	18.7
8 19	23 22.62	−30 35.5	1.794	2.734	9.7	18.6
8 29	23 15.06	−32 36.1	1.782	2.729	9.1	18.5
9 8	23 6.39	−34 14.4	1.796	2.724	10.2	18.6
9 18	22 57.67	−35 23.1	1.834	2.718	12.3	18.7
9 28	22 50.04	−35 58.8	1.894	2.712	14.7	18.9
10 8	22 44.41	−36 2.9	1.972	2.706	16.9	19.0

307609 2003 QX_{63} 9 7.9 353°.25 10°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.47	−26 0.9	1.007	1.893	20.7	18.3
8 9	23 31.60	−26 16.5	0.947	1.880	17.2	18.1
8 19	23 25.82	−26 23.4	0.903	1.868	13.5	17.8
8 29	23 16.90	−26 10.4	0.878	1.860	10.7	17.6
9 8	23 6.37	−25 27.4	0.873	1.853	10.6	17.6
9 18	22 56.13	−24 10.6	0.889	1.849	13.3	17.8
9 28	22 48.01	−22 22.0	0.925	1.848	17.1	18.0
10 8	22 43.23	−20 9.2	0.979	1.850	21.0	18.2

126308 2002 AA_{121} 9 7.9 206°.63 3°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.96	−12 12.9	2.009	2.842	13.9	20.1
8 9	23 28.24	−13 16.9	1.928	2.838	10.9	19.9
8 19	23 22.39	−14 29.5	1.869	2.834	7.6	19.7
8 29	23 14.85	−15 44.4	1.835	2.830	4.4	19.5
9 8	23 6.39	−16 54.3	1.829	2.824	4.0	19.4
9 18	22 57.90	−17 52.3	1.851	2.819	6.8	19.6
9 28	22 50.34	−18 33.2	1.900	2.813	10.2	19.8
10 8	22 44.50	−18 54.8	1.971	2.807	13.4	20.0

324868 2007 TX_{171} 9 7.9 308°.68 0°.8/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.86	+ 0 12.3	1.260	2.100	20.2	21.0
8 9	23 25.54	− 0 17.1	1.174	2.085	16.4	20.7
8 19	23 21.32	− 1 11.9	1.106	2.070	11.7	20.4
8 29	23 14.63	− 2 29.5	1.059	2.055	6.3	20.1
9 8	23 6.40	− 4 2.3	1.034	2.041	0.8	19.7
9 18	22 57.92	− 5 39.7	1.033	2.028	5.8	20.0
9 28	22 50.68	− 7 9.3	1.056	2.014	11.6	20.2
10 8	22 45.87	− 8 20.9	1.100	2.002	16.7	20.5

332700 2009 RB_{30} 9 7.9 21°.69 2°.9/10.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.16	+ 2 15.3	1.240	2.070	21.0	20.3
8 9	23 27.10	+ 2 25.1	1.175	2.076	17.2	20.0
8 19	23 22.14	+ 2 12.1	1.127	2.082	12.6	19.8
8 29	23 14.88	+ 1 37.6	1.099	2.089	7.5	19.5
9 8	23 6.40	+ 0 46.7	1.093	2.098	3.1	19.3
9 18	22 58.01	− 0 12.8	1.112	2.107	5.3	19.5
9 28	22 51.06	− 1 11.5	1.154	2.116	10.3	19.8
10 8	22 46.57	− 2 0.8	1.218	2.127	14.8	20.1

398909 2013 CB_{144} 9 7.9 58°.84 2°.8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.25	− 9 10.9	1.896	2.734	14.5	20.6
8 9	23 25.23	−10 21.7	1.836	2.750	11.2	20.4
8 19	23 20.20	−11 42.6	1.798	2.766	7.6	20.2
8 29	23 13.67	−13 7.1	1.785	2.783	4.1	20.0
9 8	23 6.41	−14 27.6	1.799	2.799	3.1	20.0
9 18	22 59.28	−15 37.0	1.841	2.816	6.1	20.2
9 28	22 53.16	−16 29.9	1.909	2.833	9.6	20.5
10 8	22 48.72	−17 3.8	2.000	2.849	12.7	20.7

250305 2003 QD_{59} 9 7.9 343°.39 5°.1/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.98	−13 53.5	0.959	1.849	21.1	19.4
8 9	23 27.27	−14 11.9	0.892	1.834	16.9	19.1
8 19	23 22.95	−14 39.4	0.841	1.820	11.9	18.7
8 29	23 15.56	−15 7.7	0.809	1.808	6.9	18.4
9 8	23 6.39	−15 26.4	0.797	1.798	5.4	18.3
9 18	22 57.16	−15 26.6	0.806	1.790	9.8	18.5
9 28	22 49.71	−15 2.8	0.835	1.783	15.2	18.8
10 8	22 45.40	−14 14.7	0.881	1.779	20.2	19.1

401726 2013 JG_{4} 9 7.9 313°.35 5°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.49	−18 31.6	2.202	3.045	12.5	20.2
8 9	23 26.13	−19 30.2	2.125	3.039	9.9	20.0
8 19	23 20.83	−20 31.6	2.072	3.033	7.2	19.8
8 29	23 14.02	−21 29.4	2.043	3.027	5.3	19.7
9 8	23 6.41	−22 17.3	2.042	3.021	5.5	19.7
9 18	22 58.81	−22 50.1	2.067	3.015	7.6	19.8
9 28	22 52.08	−23 4.5	2.118	3.010	10.4	20.0
10 8	22 46.91	−22 59.6	2.191	3.004	13.0	20.2

45930 2000 YQ_{117} 9 7.9 123°.77 2°.9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.80	− 9 3.7	1.595	2.433	16.8	19.4
8 9	23 30.10	−10 0.5	1.529	2.441	13.1	19.2
8 19	23 23.84	−11 9.4	1.482	2.450	8.9	19.0
8 29	23 15.63	−12 23.5	1.460	2.458	4.7	18.8
9 8	23 6.41	−13 34.4	1.464	2.466	3.2	18.7
9 18	22 57.32	−14 34.0	1.495	2.474	6.8	18.9
9 28	22 49.50	−15 16.0	1.551	2.481	10.9	19.2
10 8	22 43.81	−15 37.8	1.630	2.488	14.6	19.5

448519 2010 ON_{23} 9 7.9 232°.97 5°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 39.04	−25 50.4	2.731	3.547	11.1	21.4
8 9	23 33.23	−26 26.5	2.646	3.536	9.1	21.3
8 19	23 25.51	−26 59.4	2.585	3.524	7.2	21.1
8 29	23 16.34	−27 23.5	2.550	3.512	5.9	21.0
9 8	23 6.43	−27 34.1	2.544	3.499	6.2	21.0
9 18	22 56.56	−27 27.9	2.565	3.486	7.7	21.1
9 28	22 47.57	−27 3.6	2.614	3.472	9.9	21.2
10 8	22 40.12	−26 22.1	2.687	3.458	12.0	21.4

257405 2009 SG_{330} 9 7.9 255°.48 4°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.85	+19 3.0	4.811	5.456	8.8	20.0
8 9	23 19.07	+19 8.5	4.697	5.447	7.7	19.9
8 19	23 15.42	+19 2.8	4.602	5.438	6.5	19.8
8 29	23 11.13	+18 45.4	4.530	5.430	5.3	19.7
9 8	23 6.48	+18 16.9	4.485	5.421	4.3	19.6
9 18	23 1.79	+17 38.6	4.467	5.412	4.0	19.6
9 28	22 57.41	+16 52.4	4.477	5.403	4.5	19.6
10 8	22 53.64	+16 1.2	4.516	5.394	5.5	19.7

516334 2017 BS_{41} 9 7.9 253°.92 1°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.97	− 7 22.0	2.430	3.251	12.2	21.4
8 9	23 23.92	− 8 14.8	2.342	3.246	9.6	21.2
8 19	23 19.20	− 9 17.5	2.277	3.241	6.5	21.0
8 29	23 13.19	−10 25.9	2.238	3.236	3.3	20.8
9 8	23 6.47	−11 34.6	2.227	3.231	1.8	20.7
9 18	22 59.71	−12 38.2	2.245	3.226	4.7	20.9
9 28	22 53.64	−13 31.6	2.291	3.221	7.9	21.1
10 8	22 48.87	−14 11.5	2.362	3.215	10.8	21.3

431280 2006 UD_{170} 9 7.9 278°.64 3°.6/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.61	−10 54.3	1.517	2.364	17.0	21.7
8 9	23 29.59	−11 42.1	1.434	2.352	13.4	21.4
8 19	23 23.82	−12 41.7	1.371	2.341	9.3	21.2
8 29	23 15.80	−13 46.4	1.331	2.329	5.1	20.9
9 8	23 6.46	−14 47.5	1.317	2.317	3.9	20.8
9 18	22 57.00	−15 36.6	1.328	2.305	7.6	21.0
9 28	22 48.74	−16 6.9	1.363	2.293	12.1	21.2
10 8	22 42.73	−16 15.4	1.420	2.281	16.2	21.4

356229 2009 SW_{273} 9 7.9 277°.42 1°.5/ 5.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.93	−12 28.9	4.410	5.225	7.2	21.8
8 9	23 20.69	−12 50.2	4.316	5.217	5.6	21.7
8 19	23 16.53	−13 14.0	4.247	5.209	3.8	21.6
8 29	23 11.69	−13 38.3	4.206	5.201	2.1	21.4
9 8	23 6.49	−14 0.9	4.194	5.193	1.6	21.4
9 18	23 1.28	−14 19.6	4.212	5.185	3.1	21.5
9 28	22 56.43	−14 32.6	4.259	5.177	4.9	21.6
10 8	22 52.27	−14 38.8	4.333	5.169	6.6	21.8

65676 1989 CC_3 9 7.9 343°.73 9°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.50	+14 40.1	1.741	2.482	19.2	17.5
8 9	23 26.12	+16 2.3	1.648	2.469	16.9	17.2
8 19	23 21.34	+17 4.8	1.571	2.457	14.3	17.0
8 29	23 14.54	+17 43.0	1.514	2.445	11.6	16.9
9 8	23 6.47	+17 54.4	1.478	2.435	9.5	16.7
9 18	22 58.13	+17 39.5	1.467	2.426	9.1	16.7
9 28	22 50.68	+17 2.7	1.479	2.418	10.6	16.7
10 8	22 45.14	+16 11.5	1.513	2.411	13.2	16.9

407914 2012 CC_8 9 7.9 162°.66 1°.6/ 9.9 18

7 30	23 29.92	+ 1 30.0	2.662	3.438	12.4	22.0
8 9	23 26.00	+ 1 25.6	2.572	3.441	10.1	21.9
8 19	23 20.50	+ 1 9.7	2.503	3.444	7.3	21.7
8 29	23 13.81	+ 0 43.5	2.460	3.447	4.3	21.5
9 8	23 6.48	+ 0 9.8	2.445	3.449	1.7	21.3
9 18	22 59.14	− 0 28.0	2.459	3.451	3.2	21.5
9 28	22 52.46	− 1 5.9	2.502	3.453	6.2	21.7
10 8	22 47.02	− 1 40.1	2.572	3.455	9.0	21.8

210089 2006 QS_{68} 9 7.9 138°.11 0°.0/ 7.9 18

7 30	23 32.46	− 3 49.5	2.174	2.979	14.0	20.9
8 9	23 28.33	− 4 5.0	2.094	2.985	11.1	20.7
8 19	23 22.28	− 4 31.4	2.035	2.991	7.7	20.5
8 29	23 14.76	− 5 6.0	2.002	2.997	3.9	20.3
9 8	23 6.48	− 5 44.5	1.996	3.003	0.0	19.9
9 18	22 58.24	− 6 22.3	2.018	3.008	4.0	20.3
9 28	22 50.88	− 6 54.7	2.069	3.014	7.7	20.5
10 8	22 45.09	− 7 18.2	2.145	3.018	10.9	20.7

439858 1999 ON_4 9 7.9 21°.52 0°.0/ 7.2 15

7 30	23 9.28	− 7 17.0	40.244	41.043	0.9	23.8
8 9	23 8.68	− 7 21.1	40.152	41.044	0.7	23.8
8 19	23 8.01	− 7 25.7	40.086	41.044	0.5	23.8
8 29	23 7.28	− 7 30.5	40.048	41.045	0.2	23.7
9 8	23 6.53	− 7 35.3	40.038	41.045	0.0	23.7
9 18	23 5.77	− 7 40.1	40.059	41.046	0.3	23.7
9 28	23 5.04	− 7 44.6	40.108	41.046	0.5	23.8
10 8	23 4.37	− 7 48.7	40.185	41.047	0.7	23.8

261840 2006 DZ_{72} 9 7.9 225°.99 0°.3/ 8.3 18

7 30	23 27.75	− 1 44.4	2.797	3.589	11.5	21.5
8 9	23 24.30	− 2 14.9	2.697	3.580	9.2	21.3
8 19	23 19.35	− 2 56.3	2.620	3.571	6.4	21.1
8 29	23 13.25	− 3 46.3	2.568	3.562	3.4	20.9
9 8	23 6.49	− 4 41.2	2.546	3.553	0.3	20.7
9 18	22 59.67	− 5 37.0	2.552	3.543	3.2	20.9
9 28	22 53.43	− 6 29.2	2.588	3.533	6.3	21.1
10 8	22 48.30	− 7 14.0	2.651	3.523	9.2	21.3

212563 2006 SM_{80} 9 7.9 0°.73 3°.1/ 5.4 18

7 30	23 30.48	−11 11.0	1.624	2.471	16.1	19.8
8 9	23 27.52	−11 43.2	1.551	2.470	12.6	19.6
8 19	23 22.12	−12 24.2	1.499	2.469	8.7	19.3
8 29	23 14.81	−13 8.2	1.471	2.469	4.7	19.1
9 8	23 6.49	−13 48.3	1.468	2.469	3.3	19.0
9 18	22 58.23	−14 18.2	1.491	2.470	6.7	19.2
9 28	22 51.14	−14 32.9	1.538	2.472	10.7	19.5
10 8	22 46.06	−14 30.3	1.608	2.474	14.4	19.7

390079 2012 US_{131} 9 7.9 286°.38 2°.6/ 5.8 18

7 30	23 31.73	− 9 31.5	1.754	2.591	15.5	21.6
8 9	23 28.56	−10 7.1	1.660	2.572	12.3	21.4
8 19	23 22.95	−10 53.7	1.586	2.553	8.5	21.1
8 29	23 15.33	−11 46.3	1.536	2.534	4.5	20.8
9 8	23 6.49	−12 38.2	1.512	2.515	2.8	20.7
9 18	22 57.46	−13 22.3	1.515	2.496	6.4	20.9
9 28	22 49.39	−13 52.6	1.544	2.478	10.7	21.1
10 8	22 43.25	−14 5.4	1.595	2.459	14.6	21.3

489730 2007 WM_{58} 9 7.9 259°.39 1°.7/ 9.6 18

7 30	23 30.11	+ 1 21.0	2.001	2.796	15.4	22.0
8 9	23 26.79	+ 1 14.0	1.911	2.792	12.5	21.8
8 19	23 21.41	+ 0 51.4	1.842	2.789	9.0	21.6
8 29	23 14.40	+ 0 15.0	1.796	2.785	5.2	21.3
9 8	23 6.49	− 0 31.6	1.777	2.782	1.9	21.1
9 18	22 58.52	− 1 23.2	1.786	2.778	4.0	21.2
9 28	22 51.41	− 2 14.1	1.821	2.775	7.8	21.5
10 8	22 45.93	− 2 58.5	1.882	2.771	11.4	21.7

137385 1999 TC_{155} 9 7.9 11°.90 5°.3/11.5 17

7 30	23 20.76	+ 3 58.9	0.806	1.678	25.8	18.6
8 9	23 21.55	+ 4 47.4	0.760	1.683	21.4	18.4
8 19	23 18.86	+ 5 4.9	0.728	1.691	16.1	18.1
8 29	23 13.39	+ 4 50.5	0.712	1.702	10.4	17.9
9 8	23 6.49	+ 4 8.8	0.714	1.715	5.8	17.7
9 18	22 59.81	+ 3 9.6	0.735	1.731	6.8	17.8
9 28	22 54.97	+ 2 5.9	0.776	1.749	11.8	18.2
10 8	22 53.07	+ 1 10.1	0.835	1.769	16.8	18.5

14344 1985 CP_2 9 7.9 277°.82 1°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.97	− 1 8.3	1.616	2.433	17.5	19.1
8 9	23 28.94	− 1 15.3	1.522	2.418	14.2	18.8
8 19	23 23.33	− 1 39.2	1.447	2.404	10.2	18.6
8 29	23 15.57	− 2 18.1	1.395	2.389	5.6	18.3
9 8	23 6.49	− 3 7.3	1.367	2.374	1.1	17.9
9 18	22 57.19	− 4 0.4	1.366	2.359	4.9	18.2
9 28	22 48.92	− 4 49.8	1.390	2.344	9.8	18.4
10 8	22 42.71	− 5 29.1	1.438	2.329	14.2	18.6

387790 2003 UY_{362} 9 7.9 54°.06 2°.7/ 5.4 18

7 30	23 29.92	− 8 51.7	1.696	2.536	15.8	20.5
8 9	23 26.91	− 9 47.3	1.628	2.542	12.3	20.3
8 19	23 21.59	−10 54.5	1.580	2.549	8.4	20.1
8 29	23 14.50	−12 7.0	1.557	2.556	4.4	19.9
9 8	23 6.50	−13 17.0	1.560	2.562	3.0	19.8
9 18	22 58.58	−14 16.9	1.590	2.569	6.4	20.0
9 28	22 51.78	−15 0.8	1.645	2.577	10.3	20.3
10 8	22 46.88	−15 25.5	1.723	2.584	13.8	20.5

481164 2005 UF_{210} 9 7.9 106°.01 1°.9/ 5.8 18

7 30	23 29.40	− 8 38.2	2.279	3.102	12.8	21.5
8 9	23 25.85	− 9 22.7	2.205	3.110	10.0	21.3
8 19	23 20.52	−10 15.8	2.153	3.117	6.8	21.1
8 29	23 13.85	−11 12.9	2.127	3.125	3.5	20.9
9 8	23 6.51	−12 8.7	2.129	3.132	2.1	20.9
9 18	22 59.23	−12 57.9	2.160	3.140	4.9	21.1
9 28	22 52.76	−13 36.3	2.218	3.147	8.1	21.3
10 8	22 47.73	−14 1.0	2.300	3.154	11.1	21.5

100372 1995 UR_{54} 9 7.9 41°.60 2°.7/ 5.9 18

7 30	23 30.89	− 7 43.2	1.206	2.065	19.7	19.3
8 9	23 28.42	− 8 33.0	1.154	2.079	15.4	19.0
8 19	23 22.98	− 9 38.2	1.121	2.093	10.5	18.8
8 29	23 15.28	−10 51.0	1.109	2.109	5.3	18.6
9 8	23 6.51	−12 1.0	1.120	2.125	3.0	18.5
9 18	22 58.01	−12 58.9	1.156	2.141	7.3	18.8
9 28	22 51.12	−13 37.4	1.215	2.158	12.0	19.1
10 8	22 46.75	−13 53.5	1.295	2.175	16.2	19.4

371435 2006 SG_{206} 9 7.9 11°.29 0°.4/ 8.2 18

7 30	23 25.76	− 2 0.3	1.039	1.902	21.9	20.1
8 9	23 24.92	− 2 14.2	0.980	1.904	17.6	19.9
8 19	23 20.92	− 2 51.3	0.937	1.908	12.3	19.6
8 29	23 14.39	− 3 47.2	0.914	1.913	6.4	19.3
9 8	23 6.51	− 4 53.5	0.912	1.920	0.4	18.9
9 18	22 58.76	− 5 59.5	0.933	1.928	6.1	19.3
9 28	22 52.62	− 6 54.7	0.975	1.937	11.8	19.7
10 8	22 49.15	− 7 31.7	1.038	1.948	16.7	20.0

507997 2015 BF_{241} 9 7.9 295°.90 3°.0/10.0 17

7 30	23 32.28	+ 2 1.5	1.399	2.215	19.8	21.8
8 9	23 29.56	+ 2 17.8	1.313	2.205	16.3	21.6
8 19	23 23.98	+ 2 14.3	1.245	2.195	12.1	21.3
8 29	23 15.98	+ 1 51.1	1.197	2.186	7.3	21.0
9 8	23 6.52	+ 1 11.6	1.173	2.176	3.2	20.8
9 18	22 56.86	+ 0 21.9	1.173	2.167	5.4	20.9
9 28	22 48.41	− 0 29.7	1.198	2.158	10.3	21.1
10 8	22 42.33	− 1 15.1	1.246	2.149	15.0	21.4

4628 Laplace 9 7.9 185°.75 5°.8/14.0 18 R

7 30	23 32.54	+12 51.3	2.233	2.954	16.0	16.1
8 9	23 28.57	+13 21.3	2.138	2.954	13.8	15.9
8 19	23 22.58	+13 32.7	2.062	2.954	11.1	15.7
8 29	23 15.01	+13 23.7	2.008	2.953	8.4	15.5
9 8	23 6.53	+12 55.1	1.979	2.952	6.3	15.4
9 18	22 57.95	+12 9.4	1.978	2.950	6.0	15.4
9 28	22 50.16	+11 11.9	2.003	2.948	7.9	15.5
10 8	22 43.93	+10 9.1	2.055	2.946	10.5	15.7

172288 2002 TO_{156} 9 7.9 343°.64 2°.9/10.8 18

7 30	23 28.90	+ 4 39.1	1.845	2.634	16.7	20.4
8 9	23 26.03	+ 4 36.5	1.759	2.632	13.7	20.2
8 19	23 20.99	+ 4 15.1	1.691	2.631	10.3	20.0
8 29	23 14.24	+ 3 35.5	1.647	2.629	6.4	19.8
9 8	23 6.53	+ 2 41.5	1.627	2.628	3.2	19.6
9 18	22 58.77	+ 1 38.4	1.635	2.627	4.4	19.7
9 28	22 51.93	+ 0 33.3	1.669	2.626	8.1	19.9
10 8	22 46.83	− 0 26.8	1.728	2.626	11.8	20.1

368646 2005 ES_{12} 9 7.9 109°.94 2°.3/ 6.1 17

7 30	23 36.24	− 8 35.0	1.548	2.382	17.3	21.1
8 9	23 32.06	− 9 11.4	1.484	2.394	13.6	20.9
8 19	23 25.23	− 9 59.2	1.439	2.406	9.3	20.7
8 29	23 16.38	−10 52.6	1.419	2.417	4.7	20.5
9 8	23 6.53	−11 44.0	1.424	2.428	2.5	20.4
9 18	22 56.86	−12 26.2	1.455	2.439	6.3	20.6
9 28	22 48.56	−12 53.8	1.513	2.449	10.6	20.9
10 8	22 42.52	−13 4.1	1.593	2.459	14.5	21.2

325511 2009 RF_{55} 9 7.9 351°.33 0°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 26.24	− 1 17.0	2.013	2.825	14.7	20.8
8 9	23 23.71	− 1 42.6	1.927	2.822	11.7	20.6
8 19	23 19.27	− 2 22.8	1.862	2.819	8.3	20.4
8 29	23 13.32	− 3 14.9	1.822	2.817	4.4	20.1
9 8	23 6.55	− 4 13.9	1.808	2.815	0.5	19.8
9 18	22 59.75	− 5 14.2	1.821	2.813	4.0	20.1
9 28	22 53.77	− 6 9.5	1.861	2.812	7.9	20.4
10 8	22 49.32	− 6 54.9	1.926	2.811	11.4	20.6

137491 1999 UD_{51} 9 7.9 285°.85 6°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.28	−15 24.5	1.511	2.366	16.6	20.0
8 9	23 29.60	−16 38.7	1.421	2.343	13.3	19.7
8 19	23 24.05	−18 3.6	1.352	2.320	9.6	19.4
8 29	23 16.07	−19 30.2	1.306	2.296	6.5	19.2
9 8	23 6.56	−20 47.6	1.284	2.272	6.6	19.1
9 18	22 56.76	−21 45.7	1.288	2.248	10.0	19.3
9 28	22 48.09	−22 17.3	1.315	2.224	14.1	19.4
10 8	22 41.73	−22 20.2	1.362	2.200	18.1	19.6

354127 2002 BP_{26} 9 7.9 123°.57 1°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	0 10.79	−10 1.9	1.327	2.109	22.3	22.5
8 9	23 59.55	− 9 34.6	1.264	2.141	17.8	22.3
8 19	23 44.28	− 9 13.8	1.221	2.170	12.4	22.1
8 29	23 26.01	− 8 54.8	1.204	2.198	6.2	21.8
9 8	23 6.54	− 8 32.9	1.217	2.224	1.3	21.5
9 18	22 47.99	− 8 5.2	1.261	2.247	6.6	22.0
9 28	22 32.22	− 7 30.3	1.335	2.268	12.0	22.3
10 8	22 20.34	− 6 48.2	1.434	2.288	16.5	22.7

513820 2013 EE_{15} 9 7.9 122°.51 0°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.54	− 3 5.8	2.263	3.068	13.5	21.8
8 9	23 25.99	− 3 34.5	2.182	3.074	10.7	21.6
8 19	23 20.66	− 4 14.9	2.123	3.080	7.4	21.4
8 29	23 13.97	− 5 4.0	2.090	3.085	3.8	21.2
9 8	23 6.57	− 5 57.3	2.084	3.091	0.1	20.9
9 18	22 59.20	− 6 49.6	2.106	3.096	3.8	21.2
9 28	22 52.62	− 7 35.9	2.157	3.102	7.4	21.5
10 8	22 47.49	− 8 12.5	2.233	3.107	10.6	21.7

518686 2008 UA_{375} 9 7.9 230°.69 7°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.30	+18 9.7	2.187	2.877	17.1	22.0
8 9	23 27.81	+18 47.6	2.084	2.869	15.1	21.8
8 19	23 22.22	+19 4.3	1.999	2.860	12.8	21.6
8 29	23 14.91	+18 56.5	1.934	2.851	10.3	21.5
9 8	23 6.57	+18 23.6	1.892	2.842	8.3	21.3
9 18	22 58.03	+17 27.4	1.876	2.832	7.7	21.3
9 28	22 50.26	+16 13.2	1.886	2.822	8.9	21.3
10 8	22 44.08	+14 48.8	1.922	2.811	11.3	21.5

103806 2000 DZ_{17} 9 7.9 334°.97 1°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.23	− 6 5.0	1.703	2.539	15.9	19.6
8 9	23 25.70	− 6 49.3	1.623	2.534	12.6	19.4
8 19	23 20.88	− 7 47.8	1.563	2.530	8.6	19.2
8 29	23 14.23	− 8 55.6	1.526	2.525	4.3	18.9
9 8	23 6.57	−10 5.5	1.516	2.522	1.8	18.7
9 18	22 58.88	−11 9.9	1.532	2.518	5.6	19.0
9 28	22 52.20	−12 1.8	1.574	2.515	9.9	19.2
10 8	22 47.38	−12 36.8	1.639	2.512	13.7	19.5

234765 2002 PJ_{29} 9 7.9 38°.22 0°.7/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.71	− 1 47.4	1.437	2.274	18.3	20.1
8 9	23 24.67	− 2 49.4	1.380	2.291	14.4	19.9
8 19	23 20.17	− 4 11.4	1.342	2.308	9.9	19.7
8 29	23 13.83	− 5 47.1	1.327	2.326	4.9	19.5
9 8	23 6.59	− 7 27.1	1.337	2.345	0.7	19.2
9 18	22 59.53	− 9 1.4	1.374	2.364	5.4	19.6
9 28	22 53.73	−10 21.0	1.435	2.384	10.0	19.9
10 8	22 49.96	−11 20.1	1.519	2.404	14.0	20.2

224020 2005 JL_{160} 9 7.9 347°.67 5°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.60	+26 16.7	4.413	4.997	10.1	19.9
8 9	23 19.82	+26 29.2	4.307	4.997	9.2	19.8
8 19	23 16.04	+26 27.8	4.219	4.996	8.1	19.7
8 29	23 11.52	+26 11.5	4.152	4.996	7.0	19.6
9 8	23 6.61	+25 40.4	4.108	4.996	6.0	19.5
9 18	23 1.67	+24 55.6	4.090	4.995	5.5	19.5
9 28	22 57.11	+23 59.3	4.099	4.995	5.7	19.5
10 8	22 53.28	+22 54.7	4.134	4.995	6.4	19.6

402825 2007 EV_{160} 9 7.9 228°.71 0°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.76	− 3 1.6	2.512	3.305	12.6	20.6
8 9	23 27.63	− 3 4.4	2.416	3.299	10.1	20.5
8 19	23 21.77	− 3 16.7	2.342	3.293	7.1	20.3
8 29	23 14.56	− 3 36.6	2.294	3.287	3.8	20.0
9 8	23 6.61	− 4 1.1	2.274	3.281	0.5	19.8
9 18	22 58.60	− 4 26.8	2.283	3.274	3.4	20.0
9 28	22 51.29	− 4 49.8	2.321	3.267	6.8	20.2
10 8	22 45.31	− 5 6.9	2.385	3.260	9.9	20.4

439535 2014 CH_{15} 9 7.9 93°.62 1°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.63	− 5 43.3	1.804	2.631	15.6	21.7
8 9	23 27.38	− 6 23.0	1.728	2.634	12.3	21.5
8 19	23 21.91	− 7 15.8	1.673	2.637	8.4	21.3
8 29	23 14.72	− 8 17.1	1.641	2.640	4.2	21.1
9 8	23 6.61	− 9 20.3	1.637	2.643	1.4	20.9
9 18	22 58.53	−10 18.7	1.659	2.646	5.2	21.1
9 28	22 51.47	−11 5.9	1.708	2.649	9.3	21.4
10 8	22 46.22	−11 38.0	1.781	2.652	12.9	21.6

443054 2013 ES_{126} 9 7.9 191°.21 6°.7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.95	−25 1.1	2.389	3.226	11.9	21.3
8 9	23 27.99	−26 17.3	2.323	3.225	9.7	21.1
8 19	23 22.10	−27 31.8	2.280	3.224	7.7	21.0
8 29	23 14.73	−28 37.5	2.264	3.223	6.7	20.9
9 8	23 6.61	−29 28.2	2.274	3.222	7.2	21.0
9 18	22 58.53	−29 59.2	2.310	3.220	9.0	21.1
9 28	22 51.34	−30 8.2	2.371	3.218	11.1	21.2
10 8	22 45.72	−29 55.8	2.454	3.216	13.2	21.4

485271 2010 WH_{55} 9 7.9 278°.74 8°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.69	+20 30.9	2.502	3.166	15.7	21.7
8 9	23 26.36	+21 20.6	2.390	3.149	14.1	21.5
8 19	23 21.13	+21 51.5	2.295	3.133	12.2	21.3
8 29	23 14.36	+22 0.4	2.221	3.116	10.2	21.2
9 8	23 6.61	+21 46.0	2.169	3.098	8.6	21.0
9 18	22 58.62	+21 8.8	2.143	3.081	8.0	21.0
9 28	22 51.24	+20 12.3	2.143	3.064	8.8	21.0
10 8	22 45.21	+19 2.7	2.168	3.046	10.6	21.1

449033 2012 CU_{18} 9 7.9 214°.82 3°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.54	+ 9 35.9	2.663	3.399	13.4	21.3
8 9	23 25.07	+ 9 38.5	2.562	3.394	11.3	21.1
8 19	23 19.99	+ 9 25.4	2.480	3.389	8.8	20.9
8 29	23 13.66	+ 8 56.5	2.422	3.383	6.2	20.7
9 8	23 6.62	+ 8 13.6	2.391	3.378	4.1	20.6
9 18	22 59.50	+ 7 19.7	2.388	3.372	4.2	20.6
9 28	22 53.00	+ 6 19.5	2.414	3.365	6.3	20.7
10 8	22 47.70	+ 5 18.4	2.467	3.359	9.0	20.9

176150 2001 FY_{160} 9 7.9 180°.91 2°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 37.45	−10 8.8	1.779	2.605	15.8	20.7
8 9	23 32.84	−10 36.7	1.700	2.606	12.4	20.5
8 19	23 25.74	−11 13.5	1.643	2.606	8.6	20.2
8 29	23 16.70	−11 54.0	1.609	2.606	4.5	20.0
9 8	23 6.62	−12 31.8	1.603	2.606	2.6	19.9
9 18	22 56.57	−13 1.1	1.624	2.605	6.1	20.1
9 28	22 47.69	−13 17.2	1.672	2.604	10.1	20.3
10 8	22 40.86	−13 17.8	1.744	2.602	13.8	20.6

523107 2016 RA_{50} 9 7.9 301°.78 2°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 31.34	+ 1 33.3	1.756	2.557	16.9	21.8
8 9	23 28.14	+ 1 39.4	1.668	2.552	13.8	21.5
8 19	23 22.58	+ 1 28.8	1.599	2.547	10.1	21.3
8 29	23 15.15	+ 1 2.7	1.553	2.541	6.0	21.1
9 8	23 6.63	+ 0 24.6	1.532	2.536	2.4	20.8
9 18	22 58.01	− 0 20.6	1.538	2.531	4.4	20.9
9 28	22 50.38	− 1 6.2	1.570	2.526	8.6	21.2
10 8	22 44.63	− 1 46.2	1.627	2.522	12.6	21.4

107701 2001 FS_{17} 9 7.9 121°.38 2°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 36.97	−11 33.9	2.044	2.865	14.2	20.1
8 9	23 31.98	−11 52.6	1.972	2.875	11.1	20.0
8 19	23 24.85	−12 17.0	1.922	2.884	7.6	19.8
8 29	23 16.13	−12 42.8	1.898	2.894	4.1	19.6
9 8	23 6.63	−13 5.0	1.901	2.903	2.6	19.5
9 18	22 57.27	−13 19.1	1.933	2.912	5.5	19.7
9 28	22 48.98	−13 22.1	1.992	2.921	9.0	19.9
10 8	22 42.49	−13 12.5	2.076	2.929	12.1	20.1

373729 2002 SM_{49} 9 7.9 308°.06 3°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 34.47	−11 19.6	1.382	2.233	18.1	21.1
8 9	23 31.43	−11 37.7	1.298	2.218	14.4	20.8
8 19	23 25.35	−12 5.5	1.233	2.203	10.1	20.5
8 29	23 16.75	−12 37.1	1.190	2.188	5.4	20.2
9 8	23 6.63	−13 5.1	1.171	2.174	3.4	20.1
9 18	22 56.35	−13 22.1	1.177	2.160	7.5	20.3
9 28	22 47.40	−13 22.7	1.206	2.146	12.4	20.5
10 8	22 40.95	−13 4.5	1.257	2.134	16.9	20.7

126523 2002 CM_{81} 9 7.9 249°.07 1°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.97	− 7 0.2	1.840	2.664	15.4	20.6
8 9	23 29.32	− 7 26.7	1.752	2.656	12.2	20.4
8 19	23 23.36	− 8 4.7	1.684	2.648	8.4	20.1
8 29	23 15.53	− 8 50.1	1.641	2.639	4.2	19.9
9 8	23 6.63	− 9 37.1	1.624	2.630	1.5	19.7
9 18	22 57.65	−10 19.6	1.635	2.621	5.3	19.9
9 28	22 49.66	−10 51.8	1.672	2.612	9.5	20.1
10 8	22 43.51	−11 10.1	1.733	2.603	13.3	20.3

13075 1991 UN_1 9 7.9 317°.12 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.37	+ 0 41.2	1.395	2.216	19.6	17.7
8 9	23 29.68	+ 1 8.5	1.308	2.204	16.1	17.5
8 19	23 24.11	+ 1 18.5	1.239	2.192	11.9	17.2
8 29	23 16.11	+ 1 11.1	1.191	2.181	7.1	16.9
9 8	23 6.63	+ 0 49.3	1.167	2.171	3.0	16.6
9 18	22 56.93	+ 0 18.1	1.167	2.160	5.4	16.7
9 28	22 48.45	− 0 15.4	1.191	2.151	10.3	17.0
10 8	22 42.33	− 0 44.0	1.238	2.142	15.0	17.3

46256 2001 HR_{40} 9 7.9 175°.75 1°.1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.01	− 3 9.9	1.994	2.811	14.6	19.5
8 9	23 25.14	− 4 20.4	1.911	2.812	11.5	19.3
8 19	23 20.29	− 5 47.1	1.850	2.812	7.9	19.0
8 29	23 13.89	− 7 24.9	1.814	2.813	3.9	18.8
9 8	23 6.63	− 9 6.6	1.807	2.813	1.2	18.6
9 18	22 59.35	−10 43.9	1.827	2.813	4.9	18.9
9 28	22 52.93	−12 9.4	1.875	2.813	8.8	19.1
10 8	22 48.09	−13 17.7	1.948	2.813	12.3	19.3

218685 2005 TG_{51} 9 7.9 217°.03 3°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.76	+ 8 38.1	2.389	3.142	14.3	20.5
8 9	23 23.84	+ 8 13.7	2.293	3.140	11.9	20.3
8 19	23 19.23	+ 7 30.6	2.216	3.138	9.1	20.1
8 29	23 13.30	+ 6 29.7	2.163	3.135	6.1	19.9
9 8	23 6.64	+ 5 14.0	2.137	3.132	3.5	19.8
9 18	22 59.93	+ 3 48.7	2.140	3.129	3.9	19.8
9 28	22 53.90	+ 2 20.1	2.171	3.126	6.6	20.0
10 8	22 49.18	+ 0 54.9	2.229	3.123	9.7	20.1

294783 2008 CJ_{49} 9 7.9 254°.28 4°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.01	−12 16.6	1.525	2.376	16.7	20.8
8 9	23 29.10	−13 29.7	1.449	2.369	13.2	20.5
8 19	23 23.49	−14 54.6	1.392	2.362	9.2	20.3
8 29	23 15.68	−16 23.0	1.360	2.355	5.6	20.1
9 8	23 6.64	−17 44.7	1.353	2.348	5.1	20.0
9 18	22 57.53	−18 50.2	1.372	2.341	8.5	20.2
9 28	22 49.64	−19 32.8	1.415	2.333	12.7	20.4
10 8	22 43.97	−19 49.8	1.479	2.326	16.4	20.7

446551 2014 NJ_{26} 9 7.9 359°.86 3°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.33	−10 16.0	2.001	2.842	13.7	20.9
8 9	23 23.83	−11 23.5	1.925	2.841	10.7	20.7
8 19	23 19.37	−12 40.9	1.871	2.840	7.3	20.5
8 29	23 13.41	−14 2.3	1.843	2.840	4.1	20.3
9 8	23 6.64	−15 20.3	1.842	2.840	3.4	20.2
9 18	22 59.87	−16 28.0	1.868	2.841	6.3	20.4
9 28	22 53.97	−17 19.8	1.920	2.841	9.7	20.6
10 8	22 49.62	−17 52.8	1.995	2.843	12.8	20.8

247421 2002 CD_{272} 9 7.9 208°.93 2°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.40	−19 8.9	4.830	5.654	6.5	20.3
8 9	23 20.24	−19 42.0	4.749	5.652	5.1	20.2
8 19	23 16.23	−20 15.4	4.693	5.649	3.7	20.1
8 29	23 11.60	−20 46.7	4.665	5.646	2.7	20.0
9 8	23 6.65	−21 13.6	4.666	5.644	2.7	20.0
9 18	23 1.70	−21 34.1	4.697	5.641	3.8	20.1
9 28	22 57.10	−21 46.8	4.755	5.638	5.3	20.2
10 8	22 53.15	−21 50.8	4.840	5.635	6.6	20.3

57175 2001 QD_{24} 9 7.9 320°.06 2°.3/ 6.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.16	− 7 4.3	1.312	2.170	18.5	18.8
8 9	23 25.78	− 7 41.1	1.224	2.148	14.8	18.5
8 19	23 21.55	− 8 35.3	1.155	2.128	10.2	18.2
8 29	23 14.87	− 9 41.6	1.107	2.108	5.2	17.9
9 8	23 6.66	−10 51.4	1.083	2.088	2.5	17.6
9 18	22 58.18	−11 54.7	1.082	2.070	7.2	17.9
9 28	22 50.88	−12 42.2	1.105	2.052	12.5	18.1
10 8	22 45.96	−13 7.9	1.148	2.035	17.3	18.4

268862 2006 YO_2 9 7.9 151°.69 0°.9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 33.55	− 0 21.3	1.893	2.691	16.0	21.7
8 9	23 29.57	− 0 41.3	1.812	2.698	12.8	21.5
8 19	23 23.38	− 1 16.9	1.752	2.704	9.1	21.3
8 29	23 15.48	− 2 5.5	1.717	2.709	4.9	21.1
9 8	23 6.67	− 3 2.1	1.708	2.715	1.0	20.8
9 18	22 57.88	− 4 0.7	1.727	2.719	4.2	21.0
9 28	22 50.10	− 4 55.0	1.773	2.723	8.3	21.3
10 8	22 44.12	− 5 39.5	1.845	2.727	12.0	21.5

53908 2000 GT_2 9 7.9 254°.82 3°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.95	− 9 38.3	1.634	2.477	16.2	19.1
8 9	23 28.05	−10 44.2	1.554	2.470	12.7	18.9
8 19	23 22.66	−12 3.5	1.494	2.463	8.7	18.6
8 29	23 15.24	−13 29.2	1.458	2.455	4.8	18.4
9 8	23 6.67	−14 52.3	1.448	2.448	3.8	18.3
9 18	22 58.02	−16 3.7	1.464	2.440	7.3	18.5
9 28	22 50.46	−16 56.3	1.506	2.432	11.5	18.7
10 8	22 44.94	−17 26.5	1.570	2.425	15.2	18.9

446814 2000 AG_{209} 9 7.9 333°.61 7°.3/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.72	−21 17.9	1.755	2.615	14.4	20.0
8 9	23 25.45	−22 38.1	1.681	2.601	11.6	19.8
8 19	23 20.81	−24 0.8	1.628	2.588	9.0	19.6
8 29	23 14.27	−25 17.1	1.600	2.575	7.3	19.5
9 8	23 6.67	−26 18.1	1.596	2.563	7.9	19.5
9 18	22 59.03	−26 56.6	1.616	2.552	10.3	19.6
9 28	22 52.44	−27 8.6	1.660	2.542	13.3	19.8
10 8	22 47.78	−26 54.0	1.724	2.532	16.2	20.0

164757 1998 VY_{35} 9 7.9 306°.36 1°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.14	− 3 20.2	1.696	2.527	16.2	20.0
8 9	23 24.36	− 4 15.4	1.589	2.497	13.0	19.8
8 19	23 20.23	− 5 30.7	1.502	2.468	9.0	19.5
8 29	23 14.10	− 7 2.2	1.439	2.438	4.5	19.1
9 8	23 6.67	− 8 42.7	1.402	2.408	1.3	18.8
9 18	22 58.90	−10 22.7	1.391	2.379	5.8	19.1
9 28	22 51.93	−11 52.1	1.406	2.350	10.6	19.3
10 8	22 46.79	−13 3.2	1.444	2.321	15.0	19.5

131032 2000 XQ_{48} 9 8.0 301°.68 3°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 30.36	−13 40.9	1.548	2.464	12.8	19.7
8 19	23 24.35	−14 19.9	1.480	2.447	8.9	19.4
8 29	23 16.16	−15 0.5	1.435	2.431	5.2	19.1
9 8	23 6.69	−15 35.5	1.416	2.415	4.1	19.0
9 18	22 57.08	−15 58.2	1.423	2.399	7.4	19.2
9 28	22 48.58	−16 3.5	1.455	2.383	11.6	19.4
10 8	22 42.22	−15 49.7	1.508	2.367	15.5	19.6
10 18	22 38.61	−15 17.3	1.581	2.352	18.8	19.8

155502 1999 JP_{97} 9 8.0 119°.41 3°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 27.87	−10 30.7	1.762	2.673	11.7	19.2
8 19	23 22.22	−11 55.9	1.716	2.683	8.0	19.0
8 29	23 14.88	−13 25.4	1.697	2.694	4.3	18.8
9 8	23 6.69	−14 51.0	1.704	2.703	3.4	18.7
9 18	22 58.59	−16 4.8	1.739	2.713	6.5	19.0
9 28	22 51.55	−17 0.9	1.800	2.722	10.2	19.2
10 8	22 46.33	−17 36.4	1.885	2.731	13.4	19.4
10 18	22 43.37	−17 51.2	1.989	2.739	16.1	19.7

403385 2009 PX_{20} 9 8.0 324°.83 8°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 25.86	+19 58.6	2.001	2.784	15.7	20.3
8 19	23 20.99	+20 38.3	1.917	2.772	13.5	20.1
8 29	23 14.38	+20 53.6	1.852	2.760	11.2	19.9
9 8	23 6.69	+20 42.7	1.810	2.749	9.4	19.8
9 18	22 58.78	+20 6.5	1.792	2.738	8.7	19.7
9 28	22 51.60	+19 9.3	1.799	2.728	9.7	19.8
10 8	22 46.04	+17 58.2	1.830	2.718	11.8	19.9
10 18	22 42.67	+16 41.5	1.883	2.709	14.2	20.0

106683 2000 WW_{154} 9 8.0 358°.22 4°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 29.58	−15 35.4	1.442	2.363	13.2	18.2
8 19	23 23.72	−15 52.3	1.390	2.359	9.2	18.0
8 29	23 15.76	−16 7.0	1.361	2.356	5.5	17.8
9 8	23 6.70	−16 13.3	1.357	2.355	4.5	17.7
9 18	22 57.73	−16 5.9	1.378	2.354	7.6	17.9
9 28	22 50.09	−15 41.9	1.424	2.355	11.6	18.1
10 8	22 44.70	−15 1.3	1.491	2.357	15.3	18.4
10 18	22 42.04	−14 5.6	1.577	2.360	18.4	18.6

181632 2006 XP_{13} 9 8.0 34°.05 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 26.50	− 2 27.2	1.891	2.785	12.0	20.3
8 19	23 21.22	− 2 56.5	1.832	2.788	8.4	20.1
8 29	23 14.38	− 3 36.5	1.796	2.791	4.4	19.9
9 8	23 6.70	− 4 22.5	1.787	2.794	0.5	19.6
9 18	22 59.04	− 5 9.3	1.806	2.798	4.1	19.9
9 28	22 52.29	− 5 51.3	1.851	2.802	8.0	20.1
10 8	22 47.17	− 6 24.0	1.922	2.805	11.5	20.4
10 18	22 44.14	− 6 44.5	2.014	2.809	14.5	20.6

218522 2004 TN_{265} 9 8.0 124°.50 0°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 26.19	− 6 48.9	2.387	3.284	9.7	20.7
8 19	23 20.74	− 7 23.8	2.330	3.290	6.6	20.5
8 29	23 14.05	− 8 4.1	2.298	3.295	3.3	20.3
9 8	23 6.71	− 8 45.5	2.294	3.301	0.9	20.1
9 18	22 59.41	− 9 23.9	2.320	3.306	4.0	20.4
9 28	22 52.85	− 9 55.2	2.374	3.312	7.2	20.6
10 8	22 47.62	−10 16.6	2.453	3.317	10.1	20.8
10 18	22 44.13	−10 26.6	2.555	3.322	12.5	21.0

307419 2002 TN_{237} 9 8.0 246°.65 8°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 27.85	+30 25.5	2.932	3.597	13.5	20.8
8 19	23 22.07	+30 38.1	2.821	3.574	12.2	20.7
8 29	23 14.84	+30 27.2	2.728	3.551	10.8	20.5
9 8	23 6.71	+29 50.8	2.657	3.526	9.6	20.4
9 18	22 58.34	+28 49.2	2.611	3.501	8.9	20.3
9 28	22 50.50	+27 25.0	2.591	3.474	9.0	20.3
10 8	22 43.89	+25 44.0	2.597	3.447	10.1	20.3
10 18	22 39.04	+23 53.3	2.628	3.419	11.6	20.4