515038 2009 WF_{56} 10 2.9 286.°01 2.°7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.93	+ 0 5.6	1.556	2.428	15.0	22.0
9 8	0 56.59	− 0 39.4	1.473	2.410	11.3	21.7
9 18	0 49.78	− 1 34.8	1.412	2.392	7.0	21.5
9 28	0 41.18	− 2 34.4	1.377	2.374	3.1	21.2
10 8	0 31.85	− 3 30.2	1.367	2.356	4.6	21.2
10 18	0 22.99	− 4 14.5	1.384	2.338	9.2	21.5
10 28	0 15.78	− 4 41.0	1.425	2.319	13.7	21.7
11 7	0 11.05	− 4 46.6	1.486	2.301	17.5	21.9

395707 2012 TB_5 10 2.9 305.°43 4.°6/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.38	+25 31.0	1.015	1.842	24.5	20.4
9 8	0 51.31	+23 42.5	0.929	1.826	20.3	20.1
9 18	0 47.04	+20 50.3	0.859	1.810	14.9	19.7
9 28	0 40.35	+16 53.5	0.809	1.794	8.8	19.3
10 8	0 32.69	+12 6.2	0.785	1.779	4.6	19.0
10 18	0 25.75	+ 6 58.1	0.787	1.765	9.3	19.2
10 28	0 21.15	+ 2 6.4	0.814	1.751	16.0	19.5
11 7	0 19.88	− 2 0.2	0.864	1.737	22.0	19.8

478707 2012 UH_{38} 10 2.9 258.°22 2.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.97	+11 46.0	1.780	2.611	15.3	21.5
9 8	0 56.29	+11 40.5	1.699	2.607	11.9	21.3
9 18	0 49.42	+11 18.2	1.640	2.602	8.0	21.0
9 28	0 41.02	+10 40.8	1.605	2.597	4.0	20.8
10 8	0 32.06	+ 9 52.8	1.598	2.593	2.7	20.7
10 18	0 23.59	+ 9 0.0	1.618	2.588	6.4	20.9
10 28	0 16.64	+ 8 9.8	1.664	2.583	10.5	21.1
11 7	0 11.92	+ 7 28.5	1.734	2.578	14.1	21.4

20252 Eyjafjallajökull 10 2.9 291.°97 0.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.93	+ 3 54.0	1.380	2.245	17.1	18.7
9 8	0 59.82	+ 3 52.5	1.306	2.236	12.9	18.4
9 18	0 51.88	+ 3 39.0	1.251	2.228	8.1	18.1
9 28	0 41.91	+ 3 17.3	1.221	2.220	2.7	17.8
10 8	0 31.16	+ 2 52.9	1.217	2.212	3.0	17.8
10 18	0 21.06	+ 2 32.4	1.238	2.204	8.4	18.1
10 28	0 12.95	+ 2 21.7	1.283	2.196	13.4	18.3
11 7	0 7.71	+ 2 25.1	1.350	2.189	17.6	18.6

145300 2005 KK_8 10 2.9 234.°15 3.°1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.80	+14 43.5	1.586	2.413	17.0	20.1
9 8	0 56.43	+14 24.9	1.506	2.409	13.5	19.9
9 18	0 49.63	+13 43.8	1.446	2.404	9.3	19.6
9 28	0 41.12	+12 41.7	1.409	2.398	5.0	19.4
10 8	0 31.97	+11 24.2	1.399	2.393	3.3	19.2
10 18	0 23.38	+ 9 59.6	1.416	2.387	7.0	19.5
10 28	0 16.49	+ 8 37.9	1.459	2.381	11.4	19.7
11 7	0 12.08	+ 7 27.8	1.524	2.375	15.3	19.9

318477 2005 EZ_{72} 10 2.9 87.°90 2.°1/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.58	+ 1 9.7	1.448	2.313	16.4	20.2
9 8	1 0.40	+ 0 33.9	1.403	2.336	12.1	20.0
9 18	0 51.81	− 0 11.0	1.380	2.358	7.3	19.8
9 28	0 41.74	− 0 58.6	1.382	2.380	2.7	19.6
10 8	0 31.46	− 1 41.6	1.411	2.402	4.0	19.7
10 18	0 22.20	− 2 13.4	1.467	2.423	8.5	20.0
10 28	0 14.96	− 2 29.8	1.547	2.444	12.6	20.3
11 7	0 10.34	− 2 28.9	1.649	2.465	16.1	20.6

429593 2011 EV_{63} 10 2.9 80.°86 0.°2/ 2.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.25	+ 5 9.6	1.574	2.429	15.8	21.4
9 8	0 58.63	+ 4 50.8	1.521	2.446	11.8	21.2
9 18	0 50.74	+ 4 19.8	1.489	2.464	7.3	21.0
9 28	0 41.41	+ 3 40.9	1.483	2.481	2.4	20.7
10 8	0 31.79	+ 3 0.3	1.503	2.499	2.6	20.8
10 18	0 23.00	+ 2 24.2	1.551	2.516	7.2	21.1
10 28	0 16.03	+ 1 58.2	1.625	2.533	11.4	21.4
11 7	0 11.49	+ 1 45.8	1.721	2.550	14.9	21.6

66549 1999 RS_{124} 10 2.9 7.°99 2.°4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.24	+ 3 46.4	1.183	2.075	17.4	18.1
9 8	0 51.10	+ 2 30.4	1.129	2.076	12.9	17.8
9 18	0 46.41	+ 0 56.9	1.095	2.079	7.8	17.5
9 28	0 40.02	− 0 44.6	1.084	2.083	2.9	17.3
10 8	0 33.14	− 2 21.9	1.097	2.088	4.7	17.4
10 18	0 27.04	− 3 43.4	1.134	2.095	9.8	17.7
10 28	0 22.84	− 4 40.8	1.193	2.102	14.5	18.0
11 7	0 21.20	− 5 10.4	1.271	2.112	18.4	18.3

412600 2014 ON_{71} 10 2.9 4.°10 1.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.21	+10 5.4	2.146	2.974	13.1	20.9
9 8	0 55.33	+10 10.8	2.067	2.974	10.2	20.7
9 18	0 48.64	+10 4.0	2.011	2.974	6.7	20.5
9 28	0 40.74	+ 9 46.5	1.982	2.975	3.2	20.3
10 8	0 32.41	+ 9 21.5	1.980	2.975	2.2	20.2
10 18	0 24.52	+ 8 53.1	2.007	2.975	5.5	20.4
10 28	0 17.89	+ 8 26.3	2.061	2.976	9.0	20.6
11 7	0 13.11	+ 8 5.4	2.140	2.977	12.1	20.8

15535 2000 AT_{177} 10 2.9 279.°51 1.°7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 50.52	− 3 0.1	4.306	5.163	6.5	17.8
9 8	0 47.33	− 3 42.7	4.227	5.157	4.8	17.7
9 18	0 43.37	− 4 27.5	4.175	5.151	3.0	17.6
9 28	0 38.90	− 5 12.1	4.152	5.144	1.7	17.5
10 8	0 34.26	− 5 53.6	4.159	5.138	2.5	17.5
10 18	0 29.80	− 6 29.8	4.196	5.131	4.2	17.6
10 28	0 25.87	− 6 58.4	4.261	5.125	6.0	17.8
11 7	0 22.74	− 7 18.1	4.351	5.119	7.6	17.9

53612 2000 CD_{85} 10 2.9 199.°91 1.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.71	+ 2 9.2	1.691	2.554	14.5	20.0
9 8	0 56.82	+ 1 21.2	1.620	2.552	10.8	19.8
9 18	0 49.72	+ 0 22.3	1.572	2.550	6.6	19.5
9 28	0 41.12	− 0 41.7	1.549	2.548	2.5	19.3
10 8	0 32.04	− 1 43.4	1.554	2.545	3.7	19.3
10 18	0 23.55	− 2 35.7	1.587	2.542	8.0	19.6
10 28	0 16.65	− 3 12.6	1.644	2.539	12.1	19.8
11 7	0 12.02	− 3 31.1	1.724	2.535	15.6	20.1

101346 1998 TY_{15} 10 2.9 271.°62 4.°0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.35	+21 57.0	2.599	3.365	12.8	20.0
9 8	0 52.37	+21 25.0	2.487	3.343	10.6	19.8
9 18	0 46.81	+20 32.8	2.397	3.321	8.0	19.6
9 28	0 40.13	+19 20.8	2.332	3.299	5.4	19.4
10 8	0 33.00	+17 52.0	2.296	3.276	4.0	19.2
10 18	0 26.14	+16 11.7	2.289	3.254	5.2	19.3
10 28	0 20.27	+14 26.9	2.312	3.231	7.9	19.4
11 7	0 15.97	+12 45.1	2.361	3.207	10.8	19.6

494491 2016 WQ_{43} 10 2.9 112.°39 1.°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.70	+10 22.5	1.947	2.781	14.1	20.9
9 8	0 55.05	+10 1.1	1.875	2.786	10.8	20.7
9 18	0 48.50	+ 9 24.8	1.825	2.791	7.0	20.5
9 28	0 40.69	+ 8 36.2	1.801	2.796	3.1	20.2
10 8	0 32.50	+ 7 40.5	1.805	2.800	2.1	20.2
10 18	0 24.82	+ 6 43.7	1.837	2.805	5.9	20.4
10 28	0 18.54	+ 5 52.0	1.896	2.810	9.7	20.7
11 7	0 14.23	+ 5 10.8	1.978	2.814	13.0	20.9

15834 McBride 10 2.9 161.°71 10.°6/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.06	+48 3.0	2.928	3.452	15.6	19.3
9 8	0 59.93	+48 46.5	2.841	3.459	14.6	19.2
9 18	0 51.61	+49 5.3	2.767	3.465	13.4	19.1
9 28	0 41.77	+48 55.3	2.711	3.471	12.2	19.0
10 8	0 31.40	+48 14.8	2.674	3.476	11.2	18.9
10 18	0 21.56	+47 5.2	2.660	3.480	10.7	18.9
10 28	0 13.26	+45 31.2	2.670	3.484	10.7	18.9
11 7	0 7.20	+43 40.5	2.704	3.487	11.3	19.0

90476 2004 CE_{105} 10 2.9 130.°86 0.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.45	+ 4 25.8	1.742	2.594	14.7	20.1
9 8	0 57.94	+ 3 51.1	1.679	2.604	10.9	19.9
9 18	0 50.31	+ 3 4.9	1.639	2.615	6.7	19.7
9 28	0 41.30	+ 2 12.0	1.625	2.624	2.2	19.4
10 8	0 31.93	+ 1 18.8	1.639	2.633	2.8	19.5
10 18	0 23.24	+ 0 31.6	1.681	2.642	7.2	19.8
10 28	0 16.19	− 0 3.7	1.749	2.650	11.2	20.0
11 7	0 11.38	− 0 24.0	1.840	2.658	14.5	20.3

184234 2004 RK_{152} 10 2.9 47.°95 1.°7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.72	+11 33.3	1.883	2.717	14.4	20.3
9 8	0 53.57	+11 8.5	1.819	2.730	11.1	20.1
9 18	0 47.56	+10 27.5	1.778	2.742	7.3	19.9
9 28	0 40.37	+ 9 33.4	1.762	2.755	3.4	19.7
10 8	0 32.85	+ 8 31.6	1.773	2.768	2.2	19.6
10 18	0 25.92	+ 7 28.4	1.812	2.782	5.8	19.9
10 28	0 20.39	+ 6 30.7	1.878	2.795	9.5	20.1
11 7	0 16.81	+ 5 43.8	1.967	2.809	12.8	20.4

50858 2000 FC_{64} 10 3.0 328.°41 1.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.03	+ 2 0.3	1.579	2.451	14.8	18.8
9 8	0 54.28	+ 1 22.3	1.504	2.441	11.1	18.5
9 18	0 48.28	+ 0 33.1	1.450	2.430	6.8	18.2
9 28	0 40.68	− 0 21.7	1.422	2.420	2.5	18.0
10 8	0 32.51	− 1 14.9	1.419	2.411	3.7	18.0
10 18	0 24.86	− 1 59.2	1.443	2.402	8.3	18.3
10 28	0 18.80	− 2 28.5	1.491	2.394	12.6	18.5
11 7	0 15.04	− 2 39.4	1.560	2.387	16.3	18.7

2696 Magion 10 3.0 271.°50 0.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.72	+ 9 40.2	1.660	2.511	15.3	16.1
9 8	0 53.25	+ 7 41.6	1.574	2.499	11.5	15.9
9 18	0 47.61	+ 5 17.5	1.511	2.487	7.1	15.6
9 28	0 40.46	+ 2 35.8	1.475	2.474	2.2	15.3
10 8	0 32.74	− 0 11.2	1.469	2.462	3.3	15.3
10 18	0 25.50	− 2 49.8	1.492	2.449	8.3	15.6
10 28	0 19.75	− 5 7.4	1.542	2.437	12.8	15.8
11 7	0 16.19	− 6 56.5	1.615	2.424	16.6	16.1

2104 Toronto 10 3.0 194.°56 5.°7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.67	+28 19.6	2.854	3.568	12.9	15.6
9 8	0 53.21	+28 21.5	2.760	3.567	11.0	15.5
9 18	0 47.25	+28 4.3	2.685	3.565	9.0	15.3
9 28	0 40.28	+27 27.0	2.635	3.562	7.1	15.2
10 8	0 32.95	+26 31.2	2.611	3.560	5.9	15.1
10 18	0 25.95	+25 20.2	2.615	3.557	6.1	15.1
10 28	0 19.97	+23 59.6	2.647	3.554	7.6	15.2
11 7	0 15.52	+22 35.8	2.706	3.551	9.6	15.3

44333 1998 RB_{63} 10 3.0 329.°84 4.°6/28.4 18

8 29	0 54.09	− 1 47.5	1.439	2.329	14.9	18.5
9 8	0 51.52	− 3 25.1	1.367	2.314	11.1	18.2
9 18	0 46.65	− 5 14.8	1.318	2.300	7.1	17.9
9 28	0 40.16	− 7 6.7	1.294	2.286	4.6	17.8
10 8	0 33.06	− 8 48.8	1.295	2.273	6.8	17.9
10 18	0 26.48	−10 10.6	1.321	2.261	11.0	18.1
10 28	0 21.52	−11 4.9	1.370	2.250	15.1	18.3
11 7	0 18.91	−11 29.2	1.438	2.240	18.7	18.5

395368 2011 RJ_{14} 10 3.0 85.°00 0.°7/ 3.7 18

8 29	0 58.23	+ 9 19.8	1.857	2.700	14.3	21.2
9 8	0 54.05	+ 8 40.1	1.784	2.702	10.9	21.0
9 18	0 47.94	+ 7 44.6	1.733	2.704	6.9	20.8
9 28	0 40.54	+ 6 37.1	1.708	2.706	2.6	20.5
10 8	0 32.72	+ 5 23.9	1.711	2.707	2.0	20.5
10 18	0 25.43	+ 4 12.2	1.742	2.709	6.3	20.8
10 28	0 19.54	+ 3 9.1	1.799	2.711	10.2	21.0
11 7	0 15.66	+ 2 19.8	1.880	2.713	13.6	21.2

139498 2001 PJ_{34} 10 3.0 265.°14 8.°1/11.3 18

8 29	1 2.43	+28 25.8	2.178	2.904	16.1	19.4
9 8	0 57.44	+29 14.4	2.080	2.892	14.0	19.2
9 18	0 50.24	+29 41.6	2.001	2.879	11.7	19.0
9 28	0 41.39	+29 43.8	1.944	2.867	9.5	18.9
10 8	0 31.79	+29 20.3	1.912	2.854	8.2	18.8
10 18	0 22.49	+28 33.6	1.906	2.841	8.5	18.8
10 28	0 14.54	+27 29.8	1.927	2.828	10.3	18.8
11 7	0 8.76	+26 17.3	1.971	2.815	12.7	19.0

428121 2006 RZ_{110} 10 3.0 212.°77 0.°2/ 2.8 17

8 29	1 3.43	+ 5 45.7	1.792	2.639	14.5	22.5
9 8	0 58.10	+ 5 15.7	1.711	2.633	11.0	22.3
9 18	0 50.55	+ 4 32.7	1.653	2.627	6.8	22.0
9 28	0 41.46	+ 3 40.6	1.621	2.620	2.3	21.7
10 8	0 31.79	+ 2 45.3	1.617	2.612	2.5	21.7
10 18	0 22.64	+ 1 53.5	1.641	2.604	7.1	22.0
10 28	0 15.02	+ 1 11.6	1.692	2.595	11.3	22.2
11 7	0 9.66	+ 0 44.1	1.765	2.586	14.9	22.4

422026 2014 QE_{342} 10 3.0 136.°93 3.°7/ 7.2 18

8 29	1 0.44	+17 21.9	2.441	3.228	12.9	21.3
9 8	0 55.35	+17 33.7	2.360	3.234	10.4	21.2
9 18	0 48.61	+17 30.3	2.302	3.239	7.6	21.0
9 28	0 40.75	+17 11.9	2.269	3.244	4.9	20.9
10 8	0 32.52	+16 40.9	2.264	3.248	3.7	20.8
10 18	0 24.69	+16 0.8	2.289	3.253	5.3	20.9
10 28	0 18.01	+15 16.9	2.341	3.257	8.0	21.1
11 7	0 13.04	+14 34.6	2.419	3.261	10.7	21.3

259714 2003 YB_{62} 10 3.0 329.°43 5.°7/29.0 18

8 29	0 57.97	− 4 22.8	1.103	2.004	17.6	19.4
9 8	0 55.11	− 5 23.0	1.036	1.987	13.3	19.1
9 18	0 49.22	− 6 31.6	0.988	1.971	8.7	18.8
9 28	0 41.11	− 7 38.1	0.962	1.955	5.7	18.6
10 8	0 32.13	− 8 30.6	0.959	1.941	7.9	18.7
10 18	0 23.84	− 8 59.6	0.978	1.927	12.7	18.9
10 28	0 17.71	− 8 59.2	1.018	1.915	17.5	19.2
11 7	0 14.68	− 8 29.2	1.074	1.905	21.8	19.4

25432 Josepherli 10 3.0 267.°03 3.°5/29.9 18

8 29	0 59.98	− 0 27.4	1.502	2.379	15.2	19.4
9 8	0 55.84	− 1 39.5	1.430	2.370	11.3	19.2
9 18	0 49.29	− 3 2.8	1.381	2.361	7.0	18.9
9 28	0 41.05	− 4 29.2	1.357	2.353	3.6	18.7
10 8	0 32.21	− 5 48.7	1.359	2.344	5.5	18.8
10 18	0 23.97	− 6 52.5	1.388	2.335	9.8	19.0
10 28	0 17.43	− 7 34.0	1.440	2.326	14.1	19.2
11 7	0 13.35	− 7 50.7	1.512	2.317	17.7	19.4

482268 2011 RG_4 10 3.0 5.°98 3.°0/30.2 17

8 29	0 53.20	+ 2 18.6	1.301	2.191	16.3	20.0
9 8	0 50.89	+ 0 53.9	1.245	2.191	12.0	19.7
9 18	0 46.23	− 0 45.8	1.209	2.193	7.2	19.4
9 28	0 40.00	− 2 30.9	1.198	2.196	3.2	19.2
10 8	0 33.30	− 4 9.7	1.211	2.199	5.1	19.4
10 18	0 27.30	− 5 31.5	1.249	2.204	9.8	19.6
10 28	0 23.04	− 6 28.7	1.310	2.211	14.2	19.9
11 7	0 21.19	− 6 58.2	1.390	2.218	17.9	20.2

171601 1999 XQ_{164} 10 3.0 245.°12 16.°3/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.34	+35 23.9	1.300	2.020	25.2	19.5
9 8	1 5.33	+37 32.4	1.223	2.013	23.0	19.3
9 18	0 56.23	+39 9.0	1.161	2.006	20.5	19.1
9 28	0 43.70	+40 1.8	1.114	1.998	18.2	18.9
10 8	0 29.38	+40 2.5	1.086	1.990	16.6	18.8
10 18	0 15.51	+39 10.7	1.077	1.982	16.4	18.7
10 28	0 4.38	+37 36.2	1.088	1.974	17.7	18.8
11 7	23 57.51	+35 36.5	1.118	1.965	20.0	18.9

37167 2000 WE_{22} 10 3.0 40.°48 6.°3/26.8 18

8 29	0 59.54	−11 53.6	1.856	2.734	12.7	18.6
9 8	0 54.91	−12 59.1	1.808	2.741	9.8	18.4
9 18	0 48.38	−14 1.5	1.783	2.748	7.3	18.3
9 28	0 40.66	−14 53.1	1.784	2.756	6.4	18.2
10 8	0 32.67	−15 27.5	1.812	2.763	7.8	18.4
10 18	0 25.33	−15 40.7	1.864	2.771	10.4	18.5
10 28	0 19.46	−15 31.4	1.941	2.780	13.2	18.7
11 7	0 15.61	−15 0.9	2.037	2.788	15.6	18.9

269878 2000 GK_4 10 3.0 243.°15 7.°8/26.4 18

8 29	1 10.50	−17 22.4	1.978	2.830	13.2	21.1
9 8	1 3.29	−18 12.6	1.901	2.812	10.7	20.9
9 18	0 53.73	−18 55.9	1.847	2.794	8.5	20.7
9 28	0 42.54	−19 24.2	1.820	2.774	7.8	20.7
10 8	0 30.76	−19 30.9	1.821	2.754	9.2	20.7
10 18	0 19.55	−19 12.6	1.848	2.732	11.7	20.8
10 28	0 9.99	−18 29.0	1.900	2.710	14.5	21.0
11 7	0 2.81	−17 22.8	1.972	2.688	17.1	21.1

493603 2015 MN_{95} 10 3.0 303.°41 0.°2/ 2.8 18

8 29	0 57.96	+ 6 34.9	1.655	2.514	15.0	20.9
9 8	0 54.22	+ 5 56.5	1.572	2.500	11.4	20.7
9 18	0 48.26	+ 5 2.4	1.510	2.486	7.1	20.4
9 28	0 40.72	+ 3 57.0	1.474	2.472	2.4	20.1
10 8	0 32.55	+ 2 47.1	1.464	2.459	2.6	20.1
10 18	0 24.84	+ 1 40.7	1.480	2.446	7.4	20.3
10 28	0 18.63	+ 0 45.6	1.522	2.433	11.8	20.6
11 7	0 14.67	+ 0 7.1	1.586	2.421	15.7	20.8

428636 2008 FN_{113} 10 3.0 138.°35 1.°4/ 1.7 17

8 29	1 3.16	+ 2 58.4	1.738	2.595	14.5	21.9
9 8	0 57.75	+ 2 14.3	1.676	2.604	10.8	21.7
9 18	0 50.22	+ 1 19.5	1.636	2.613	6.5	21.5
9 28	0 41.31	+ 0 19.5	1.622	2.621	2.3	21.2
10 8	0 32.03	− 0 38.6	1.637	2.629	3.3	21.3
10 18	0 23.43	− 1 28.3	1.679	2.636	7.5	21.6
10 28	0 16.45	− 2 4.1	1.748	2.643	11.5	21.8
11 7	0 11.71	− 2 23.2	1.838	2.650	14.8	22.1

51483 2001 FP_{71} 10 3.0 88.°33 2.°0/30.8 18

8 29	1 0.22	+ 1 54.9	1.911	2.770	13.2	19.0
9 8	0 55.24	+ 0 47.0	1.863	2.794	9.7	18.8
9 18	0 48.50	− 0 29.5	1.839	2.817	5.8	18.6
9 28	0 40.69	− 1 48.1	1.843	2.840	2.4	18.5
10 8	0 32.70	− 3 1.6	1.875	2.863	3.6	18.6
10 18	0 25.38	− 4 3.7	1.935	2.885	7.3	18.9
10 28	0 19.50	− 4 49.8	2.021	2.907	10.7	19.1
11 7	0 15.55	− 5 17.6	2.131	2.928	13.5	19.4

352323 2007 UB_{114} 10 3.0 234.°40 1.°6/ 1.4 18

8 29	1 1.94	+ 0 35.8	2.303	3.153	11.6	22.2
9 8	0 56.56	+ 0 9.0	2.216	3.141	8.7	22.0
9 18	0 49.42	− 0 24.3	2.152	3.128	5.3	21.8
9 28	0 41.07	− 1 0.4	2.117	3.115	2.1	21.5
10 8	0 32.26	− 1 34.5	2.111	3.101	3.0	21.6
10 18	0 23.80	− 2 2.4	2.134	3.087	6.5	21.8
10 28	0 16.51	− 2 20.1	2.185	3.072	9.9	22.0
11 7	0 10.97	− 2 25.2	2.260	3.057	12.8	22.2

145551 2006 LX_1 10 3.0 10.°86 7.°4/26.5 18

8 29	0 56.59	− 9 57.2	1.345	2.242	15.3	18.5
9 8	0 53.34	−11 25.0	1.300	2.245	11.7	18.3
9 18	0 47.69	−12 51.8	1.277	2.249	8.6	18.2
9 28	0 40.49	−14 6.5	1.277	2.254	7.5	18.1
10 8	0 32.91	−14 59.4	1.300	2.260	9.3	18.3
10 18	0 26.12	−15 24.3	1.348	2.267	12.6	18.5
10 28	0 21.16	−15 19.3	1.416	2.275	16.0	18.7
11 7	0 18.65	−14 46.5	1.502	2.283	18.9	18.9

285276 1998 RH_{54} 10 3.0 350.°82 0.°9/ 3.8 18

8 29	0 47.20	+10 23.6	1.051	1.941	19.3	19.2
9 8	0 47.01	+ 9 38.2	0.983	1.925	14.9	18.9
9 18	0 44.17	+ 8 24.0	0.932	1.912	9.6	18.6
9 28	0 39.41	+ 6 46.5	0.902	1.901	3.7	18.2
10 8	0 33.92	+ 4 56.9	0.895	1.892	2.8	18.1
10 18	0 29.05	+ 3 9.5	0.910	1.885	8.8	18.5
10 28	0 26.11	+ 1 38.4	0.946	1.881	14.4	18.8
11 7	0 25.94	+ 0 33.3	1.001	1.880	19.2	19.0

10200 Quadri 10 3.0 55.°53 2.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.57	+ 0 5.1	1.607	2.476	14.8	18.2
9 8	0 56.60	− 0 31.2	1.557	2.492	10.9	18.0
9 18	0 49.50	− 1 15.0	1.529	2.509	6.6	17.8
9 28	0 41.07	− 2 0.3	1.528	2.525	2.7	17.6
10 8	0 32.38	− 2 40.4	1.552	2.542	4.0	17.7
10 18	0 24.47	− 3 9.6	1.604	2.559	8.1	18.0
10 28	0 18.25	− 3 23.9	1.681	2.576	11.9	18.3
11 7	0 14.31	− 3 21.5	1.779	2.593	15.1	18.6

139024 2001 DF_{71} 10 3.0 245.°41 1.°0/ 3.9 18

8 29	1 2.67	+ 9 5.7	1.706	2.547	15.4	20.9
9 8	0 57.77	+ 8 42.2	1.617	2.533	11.9	20.7
9 18	0 50.51	+ 8 1.8	1.550	2.519	7.7	20.4
9 28	0 41.52	+ 7 7.6	1.508	2.505	3.1	20.1
10 8	0 31.82	+ 6 5.0	1.493	2.490	2.3	20.0
10 18	0 22.56	+ 5 1.4	1.506	2.474	7.1	20.3
10 28	0 14.85	+ 4 4.8	1.546	2.458	11.6	20.5
11 7	0 9.52	+ 3 21.5	1.607	2.441	15.5	20.7

7154 1979 MJ_5 10 3.0 261.°21 1.°0/ 2.2 18

8 29	1 0.64	+ 5 23.2	1.440	2.306	16.4	18.1
9 8	0 56.48	+ 4 32.0	1.366	2.298	12.4	17.8
9 18	0 49.78	+ 3 23.8	1.313	2.291	7.6	17.5
9 28	0 41.28	+ 2 4.6	1.284	2.283	2.5	17.2
10 8	0 32.13	+ 0 43.3	1.281	2.276	3.3	17.3
10 18	0 23.58	− 0 30.5	1.305	2.268	8.5	17.5
10 28	0 16.83	− 1 28.2	1.353	2.260	13.3	17.8
11 7	0 12.66	− 2 4.7	1.421	2.252	17.4	18.0

99751 2002 JG_{83} 10 3.0 52.°22 0.°5/ 3.6 18

8 29	0 59.02	+ 7 15.6	2.078	2.920	13.0	20.0
9 8	0 54.42	+ 6 59.8	2.010	2.928	9.8	19.8
9 18	0 48.09	+ 6 32.8	1.965	2.936	6.2	19.6
9 28	0 40.62	+ 5 57.4	1.947	2.944	2.3	19.4
10 8	0 32.83	+ 5 18.2	1.956	2.952	1.9	19.3
10 18	0 25.54	+ 4 40.0	1.994	2.961	5.7	19.6
10 28	0 19.53	+ 4 7.8	2.059	2.969	9.2	19.8
11 7	0 15.35	+ 3 45.3	2.148	2.978	12.3	20.1

206698 2004 AD_{13} 10 3.0 28.°71 3.°5/29.8 18 R

8 29	0 59.18	− 2 21.8	1.711	2.586	13.8	19.8
9 8	0 54.86	− 3 18.0	1.650	2.589	10.2	19.6
9 18	0 48.49	− 4 20.4	1.612	2.591	6.4	19.4
9 28	0 40.78	− 5 22.1	1.600	2.594	3.6	19.2
10 8	0 32.68	− 6 15.7	1.615	2.597	5.1	19.3
10 18	0 25.20	− 6 55.1	1.656	2.601	8.8	19.6
10 28	0 19.24	− 7 15.9	1.722	2.604	12.4	19.8
11 7	0 15.41	− 7 16.9	1.809	2.608	15.5	20.0

290579 2005 UF_{148} 10 3.0 323.°92 0.°2/ 3.2 18

8 29	0 58.82	+ 6 25.0	2.014	2.860	13.2	20.7
9 8	0 54.42	+ 6 5.5	1.936	2.857	10.0	20.5
9 18	0 48.17	+ 5 34.5	1.881	2.853	6.2	20.2
9 28	0 40.68	+ 4 55.3	1.852	2.850	2.2	20.0
10 8	0 32.75	+ 4 12.5	1.851	2.847	2.0	19.9
10 18	0 25.27	+ 3 31.5	1.878	2.844	6.1	20.2
10 28	0 19.07	+ 2 57.6	1.932	2.841	9.8	20.4
11 7	0 14.76	+ 2 34.7	2.009	2.838	13.1	20.6

234761 Rainerkracht 10 3.0 91.°52 2.°0/30.9 18

8 29	0 59.89	+ 1 54.4	1.839	2.700	13.6	20.4
9 8	0 55.15	+ 0 53.3	1.784	2.716	10.0	20.2
9 18	0 48.54	− 0 16.9	1.753	2.732	6.0	20.0
9 28	0 40.77	− 1 30.1	1.749	2.747	2.4	19.8
10 8	0 32.73	− 2 38.9	1.773	2.762	3.7	19.9
10 18	0 25.33	− 3 37.0	1.825	2.777	7.5	20.2
10 28	0 19.41	− 4 19.3	1.903	2.792	11.0	20.4
11 7	0 15.49	− 4 43.5	2.003	2.807	14.0	20.6

67381 2000 OL_8 10 3.0 156.°84 9.°9/ 9.3 17

8 29	1 33.19	+27 21.5	1.215	1.953	25.8	22.9
9 8	1 21.94	+27 55.0	1.146	1.977	21.8	22.6
9 18	1 6.05	+27 49.3	1.094	1.997	17.1	22.4
9 28	0 46.87	+26 56.0	1.063	2.013	12.5	22.2
10 8	0 26.74	+25 15.6	1.058	2.025	10.0	22.1
10 18	0 8.29	+23 0.4	1.082	2.033	11.5	22.2
10 28	23 53.66	+20 31.3	1.132	2.037	15.6	22.5
11 7	23 43.83	+18 9.3	1.206	2.037	19.8	22.7

258414 2001 XY_{157} 10 3.0 273.°28 5.°3/27.2 18

8 29	0 58.87	− 9 17.9	2.107	2.979	11.7	20.3
9 8	0 54.42	−10 24.9	2.032	2.965	8.9	20.1
9 18	0 48.17	−11 32.9	1.982	2.951	6.3	19.9
9 28	0 40.68	−12 34.8	1.959	2.937	5.3	19.8
10 8	0 32.75	−13 24.1	1.963	2.922	6.7	19.9
10 18	0 25.23	−13 55.6	1.994	2.908	9.5	20.0
10 28	0 18.94	−14 6.4	2.050	2.893	12.4	20.2
11 7	0 14.49	−13 56.1	2.126	2.878	15.0	20.4

488908 2005 TE_{102} 10 3.0 328.°97 1.°9/ 4.3 16

	h m	° ′			°	m
8 29	0 55.76	+ 9 23.5	1.150	2.026	19.0	21.5
9 8	0 53.58	+ 9 23.9	1.066	2.000	14.9	21.2
9 18	0 48.43	+ 9 2.9	1.001	1.976	9.9	20.8
9 28	0 40.96	+ 8 22.2	0.956	1.953	4.3	20.4
10 8	0 32.39	+ 7 27.9	0.934	1.931	3.0	20.3
10 18	0 24.25	+ 6 29.0	0.935	1.910	8.8	20.6
10 28	0 18.12	+ 5 36.7	0.958	1.891	14.5	20.8
11 7	0 15.09	+ 5 0.1	0.999	1.874	19.6	21.0

407575 2011 AS_9 10 3.0 241.°33 3.°4/ 7.0 17

8 29	0 58.58	+16 57.7	2.525	3.316	12.5	21.5
9 8	0 54.01	+17 0.6	2.434	3.310	10.0	21.3
9 18	0 47.84	+16 48.5	2.364	3.304	7.3	21.1
9 28	0 40.56	+16 22.0	2.320	3.297	4.6	20.9
10 8	0 32.87	+15 43.3	2.305	3.291	3.4	20.8
10 18	0 25.50	+14 56.3	2.318	3.284	5.1	20.9
10 28	0 19.17	+14 6.2	2.360	3.277	7.9	21.1
11 7	0 14.45	+13 18.3	2.427	3.270	10.6	21.3

62963 2000 VW_{43} 10 3.0 65.°57 1.°8/ 4.5 18

8 29	1 2.79	+10 24.6	1.539	2.381	16.7	19.2
9 8	0 57.69	+10 15.8	1.484	2.399	12.8	19.0
9 18	0 50.28	+ 9 49.7	1.449	2.416	8.4	18.8
9 28	0 41.38	+ 9 9.4	1.439	2.433	3.7	18.6
10 8	0 32.14	+ 8 20.5	1.455	2.451	2.5	18.5
10 18	0 23.71	+ 7 30.0	1.498	2.469	6.8	18.8
10 28	0 17.11	+ 6 45.3	1.567	2.486	11.0	19.1
11 7	0 12.95	+ 6 11.9	1.659	2.504	14.6	19.4

43080 1999 VA_{198} 10 3.0 8.°70 0.°2/ 2.8 18

8 29	0 55.90	+ 9 25.2	1.625	2.479	15.4	19.0
9 8	0 52.58	+ 8 4.0	1.554	2.479	11.6	18.7
9 18	0 47.17	+ 6 22.3	1.505	2.480	7.2	18.5
9 28	0 40.36	+ 4 26.6	1.482	2.481	2.4	18.2
10 8	0 33.11	+ 2 26.6	1.486	2.482	2.6	18.2
10 18	0 26.43	+ 0 32.9	1.519	2.483	7.4	18.5
10 28	0 21.28	− 1 4.6	1.577	2.485	11.7	18.8
11 7	0 18.27	− 2 19.8	1.657	2.487	15.4	19.0

165143 2000 PQ_2 10 3.0 43.°72 0.°2/ 3.2 17

8 29	0 59.80	+ 8 48.2	1.035	1.913	20.4	19.5
9 8	0 56.19	+ 7 59.3	0.993	1.929	15.4	19.3
9 18	0 49.63	+ 6 47.3	0.969	1.947	9.6	19.0
9 28	0 41.19	+ 5 19.7	0.966	1.965	3.3	18.7
10 8	0 32.39	+ 3 48.4	0.987	1.984	3.0	18.8
10 18	0 24.72	+ 2 25.6	1.032	2.003	8.9	19.2
10 28	0 19.40	+ 1 21.6	1.100	2.023	14.1	19.5
11 7	0 17.09	+ 0 41.7	1.187	2.044	18.4	19.9

71596 2000 DG_{80} 10 3.0 357.°47 2.°9/ 5.7 18

8 29	1 1.27	+12 31.2	2.090	2.908	13.8	18.3
9 8	0 56.26	+12 53.6	2.010	2.907	10.9	18.1
9 18	0 49.34	+13 2.5	1.952	2.906	7.5	17.9
9 28	0 41.10	+12 58.6	1.919	2.906	4.2	17.7
10 8	0 32.38	+12 44.0	1.914	2.906	3.0	17.6
10 18	0 24.08	+12 22.6	1.938	2.906	5.7	17.8
10 28	0 17.10	+11 59.2	1.988	2.906	9.1	18.0
11 7	0 12.06	+11 38.9	2.063	2.907	12.2	18.2

299804 2006 SF_{114} 10 3.0 332.°82 0.°6/ 2.4 18

8 29	0 57.69	+ 5 49.5	1.891	2.745	13.6	20.3
9 8	0 53.65	+ 5 0.8	1.818	2.744	10.2	20.0
9 18	0 47.73	+ 3 59.0	1.768	2.744	6.3	19.8
9 28	0 40.54	+ 2 48.8	1.744	2.743	2.0	19.5
10 8	0 32.94	+ 1 37.0	1.747	2.742	2.5	19.6
10 18	0 25.84	+ 0 30.4	1.779	2.741	6.7	19.8
10 28	0 20.08	− 0 24.4	1.837	2.740	10.6	20.1
11 7	0 16.27	− 1 3.4	1.918	2.740	13.9	20.3

97416 2000 AE_{161} 10 3.0 197.°26 2.°7/29.7 18

8 29	0 58.47	− 3 57.7	2.686	3.544	9.9	19.9
9 8	0 53.68	− 4 38.0	2.612	3.542	7.3	19.8
9 18	0 47.50	− 5 21.0	2.564	3.539	4.6	19.6
9 28	0 40.43	− 6 2.8	2.545	3.537	2.7	19.5
10 8	0 33.06	− 6 38.9	2.555	3.534	3.8	19.5
10 18	0 26.06	− 7 5.7	2.594	3.530	6.4	19.7
10 28	0 20.03	− 7 20.5	2.660	3.527	9.1	19.9
11 7	0 15.45	− 7 21.9	2.750	3.523	11.4	20.0

236444 2006 DA_{204} 10 3.0 172.°40 5.°5/ 8.5 18

8 29	1 3.89	+21 14.9	2.116	2.886	15.2	20.4
9 8	0 58.30	+21 39.4	2.032	2.888	12.6	20.2
9 18	0 50.65	+21 44.4	1.969	2.890	9.7	20.0
9 28	0 41.55	+21 28.8	1.931	2.892	6.9	19.8
10 8	0 31.93	+20 54.1	1.920	2.893	5.5	19.8
10 18	0 22.76	+20 4.6	1.936	2.894	6.7	19.8
10 28	0 15.00	+19 6.9	1.980	2.894	9.3	20.0
11 7	0 9.34	+18 8.4	2.049	2.894	12.2	20.2

72171 2000 YW_{108} 10 3.0 225.°44 1.°0/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.26	+ 3 18.9	2.030	2.881	12.9	19.3
9 8	0 56.26	+ 2 45.1	1.948	2.873	9.7	19.1
9 18	0 49.34	+ 2 1.5	1.890	2.866	5.9	18.8
9 28	0 41.10	+ 1 12.2	1.858	2.857	2.0	18.6
10 8	0 32.38	+ 0 22.7	1.856	2.849	2.7	18.6
10 18	0 24.09	− 0 21.3	1.881	2.840	6.8	18.8
10 28	0 17.12	− 0 54.8	1.934	2.830	10.5	19.1
11 7	0 12.09	− 1 14.4	2.009	2.820	13.7	19.3

392700 2011 YA_{14} 10 3.0 221.°56 1.°5/ 6.1 18

8 29	0 51.93	+13 31.7	4.560	5.355	7.2	21.6
9 8	0 48.39	+13 23.9	4.469	5.353	5.7	21.4
9 18	0 44.07	+13 8.7	4.402	5.350	3.9	21.3
9 28	0 39.24	+12 47.0	4.364	5.348	2.2	21.2
10 8	0 34.23	+12 20.6	4.355	5.346	1.5	21.1
10 18	0 29.40	+11 51.2	4.377	5.344	2.9	21.2
10 28	0 25.08	+11 21.3	4.429	5.342	4.6	21.4
11 7	0 21.56	+10 53.3	4.508	5.339	6.3	21.5

335450 2005 UO_{431} 10 3.0 278.°67 0.°7/ 3.7 18

8 29	0 59.36	+ 9 6.7	1.609	2.459	15.8	21.4
9 8	0 55.32	+ 8 30.7	1.529	2.451	12.1	21.2
9 18	0 48.98	+ 7 36.4	1.471	2.443	7.7	20.9
9 28	0 41.02	+ 6 27.8	1.438	2.435	2.9	20.6
10 8	0 32.46	+ 5 11.9	1.431	2.427	2.3	20.6
10 18	0 24.41	+ 3 56.9	1.451	2.419	7.2	20.9
10 28	0 17.97	+ 2 51.4	1.497	2.412	11.7	21.1
11 7	0 13.87	+ 2 1.9	1.565	2.404	15.6	21.3

325638 2009 SE_{299} 10 3.0 51.°48 3.°7/ 7.3 18

8 29	0 57.85	+17 39.4	2.167	2.966	14.0	20.4
9 8	0 53.61	+17 35.0	2.091	2.972	11.3	20.3
9 18	0 47.64	+17 12.7	2.037	2.978	8.2	20.1
9 28	0 40.50	+16 33.5	2.007	2.985	5.2	19.9
10 8	0 33.00	+15 40.6	2.005	2.991	3.7	19.8
10 18	0 25.96	+14 39.2	2.031	2.998	5.5	20.0
10 28	0 20.17	+13 35.8	2.084	3.005	8.5	20.2
11 7	0 16.18	+12 36.7	2.162	3.012	11.5	20.4

487292 2014 QU_{38} 10 3.0 15.°65 5.°5/ 9.6 18

8 29	0 57.58	+23 23.8	2.172	2.938	15.0	20.4
9 8	0 53.53	+23 28.3	2.088	2.939	12.5	20.2
9 18	0 47.65	+23 11.5	2.025	2.940	9.7	20.0
9 28	0 40.53	+22 32.9	1.985	2.942	7.1	19.9
10 8	0 32.97	+21 34.8	1.972	2.943	5.6	19.8
10 18	0 25.84	+20 22.3	1.985	2.945	6.4	19.8
10 28	0 19.98	+19 2.4	2.026	2.946	8.8	20.0
11 7	0 16.00	+17 43.0	2.093	2.948	11.6	20.2

66177 1998 WE_5 10 3.0 334.°80 4.°5/27.7 18

8 29	0 54.48	− 4 39.8	1.932	2.813	12.2	18.7
9 8	0 51.25	− 6 9.2	1.864	2.804	9.1	18.5
9 18	0 46.25	− 7 44.1	1.820	2.796	6.0	18.3
9 28	0 40.05	− 9 16.9	1.802	2.789	4.5	18.2
10 8	0 33.45	−10 39.2	1.812	2.782	6.1	18.3
10 18	0 27.28	−11 44.2	1.849	2.775	9.3	18.5
10 28	0 22.35	−12 27.2	1.910	2.769	12.4	18.7
11 7	0 19.25	−12 46.8	1.992	2.764	15.2	18.8

25352 1999 RQ_{201} 10 3.0 319.°18 4.°9/ 7.9 18

8 29	0 55.98	+20 15.7	1.588	2.399	17.8	18.5
9 8	0 52.97	+19 56.2	1.501	2.387	14.6	18.3
9 18	0 47.62	+19 8.6	1.433	2.375	10.8	18.0
9 28	0 40.59	+17 53.1	1.387	2.364	7.0	17.8
10 8	0 32.89	+16 14.3	1.366	2.353	4.9	17.7
10 18	0 25.67	+14 21.0	1.371	2.343	7.1	17.8
10 28	0 20.06	+12 25.3	1.403	2.333	11.1	18.0
11 7	0 16.85	+10 38.4	1.457	2.324	15.0	18.2

336670 2009 YZ_{24} 10 3.0 8.°22 5.°1/28.9 18

8 29	0 54.53	− 2 10.6	1.099	2.003	17.5	19.2
9 8	0 52.25	− 3 36.7	1.051	2.004	12.9	19.0
9 18	0 47.24	− 5 12.9	1.023	2.007	8.2	18.7
9 28	0 40.43	− 6 47.5	1.017	2.011	5.1	18.6
10 8	0 33.12	− 8 7.4	1.034	2.016	7.4	18.7
10 18	0 26.67	− 9 2.8	1.074	2.023	11.9	19.0
10 28	0 22.27	− 9 28.1	1.135	2.031	16.3	19.3
11 7	0 20.60	− 9 22.9	1.213	2.040	20.0	19.6

191903 2005 CE_{27} 10 3.0 334.°52 3.°2/29.3 18

8 29	0 56.88	− 3 50.9	2.233	3.101	11.2	19.5
9 8	0 52.76	− 4 42.8	2.164	3.098	8.3	19.3
9 18	0 47.06	− 5 38.6	2.119	3.096	5.3	19.1
9 28	0 40.31	− 6 32.9	2.102	3.093	3.3	19.0
10 8	0 33.22	− 7 20.1	2.112	3.090	4.6	19.1
10 18	0 26.56	− 7 55.5	2.151	3.088	7.5	19.3
10 28	0 21.03	− 8 15.7	2.215	3.086	10.5	19.4
11 7	0 17.15	− 8 19.3	2.302	3.084	13.1	19.6

516142 2015 WM_{15} 10 3.0 303.°64 1.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.82	+ 1 50.3	2.193	3.054	11.7	21.5
9 8	0 52.04	+ 0 48.8	2.118	3.049	8.7	21.3
9 18	0 46.64	− 0 21.8	2.067	3.045	5.2	21.1
9 28	0 40.17	− 1 36.2	2.043	3.040	2.1	20.9
10 8	0 33.35	− 2 48.2	2.048	3.036	3.3	21.0
10 18	0 26.92	− 3 51.7	2.081	3.032	6.8	21.2
10 28	0 21.61	− 4 41.6	2.141	3.028	10.1	21.4
11 7	0 17.96	− 5 15.0	2.223	3.024	12.9	21.6

257789 2000 DA_{77} 10 3.0 262.°60 2.°8/30.2 18

8 29	0 58.32	+ 2 16.3	1.592	2.463	14.8	20.1
9 8	0 54.54	+ 0 45.8	1.516	2.453	11.0	19.8
9 18	0 48.50	− 0 59.8	1.462	2.442	6.7	19.6
9 28	0 40.87	− 2 52.5	1.434	2.431	3.0	19.3
10 8	0 32.66	− 4 41.4	1.434	2.421	4.9	19.4
10 18	0 24.96	− 6 16.4	1.461	2.409	9.3	19.7
10 28	0 18.82	− 7 29.1	1.512	2.398	13.5	19.9
11 7	0 14.98	− 8 15.7	1.584	2.387	17.2	20.1

459948 2014 NO_{41} 10 3.0 91.°66 4.°7/26.5 18

8 29	0 56.84	− 6 43.5	2.281	3.153	10.9	21.1
9 8	0 52.60	− 8 38.0	2.236	3.170	8.1	20.9
9 18	0 46.87	−10 34.1	2.217	3.188	5.6	20.8
9 28	0 40.22	−12 23.9	2.228	3.205	4.8	20.8
10 8	0 33.36	−13 59.8	2.267	3.222	6.3	20.9
10 18	0 26.99	−15 16.5	2.335	3.239	8.7	21.1
10 28	0 21.78	−16 10.7	2.428	3.255	11.2	21.3
11 7	0 18.17	−16 42.1	2.543	3.272	13.4	21.5

9715 Paolotanga 10 3.0 258.°80 1.°8/ 1.2 18

8 29	0 59.89	− 0 36.3	2.363	3.218	11.2	18.6
9 8	0 54.94	− 0 58.6	2.285	3.213	8.3	18.4
9 18	0 48.39	− 1 25.8	2.232	3.209	5.1	18.2
9 28	0 40.77	− 1 54.3	2.207	3.204	2.1	18.0
10 8	0 32.79	− 2 19.9	2.210	3.199	3.1	18.1
10 18	0 25.21	− 2 38.7	2.242	3.194	6.3	18.3
10 28	0 18.74	− 2 47.5	2.302	3.189	9.5	18.5
11 7	0 13.93	− 2 44.5	2.385	3.184	12.2	18.6

373385 2013 JX_{36} 10 3.0 80.°31 4.°9/27.5 18

8 29	0 58.59	− 9 37.5	2.250	3.120	11.1	20.0
9 8	0 53.96	−10 35.5	2.194	3.126	8.4	19.9
9 18	0 47.75	−11 32.5	2.164	3.132	5.9	19.7
9 28	0 40.53	−12 22.7	2.160	3.138	4.9	19.7
10 8	0 33.06	−13 0.5	2.185	3.144	6.1	19.8
10 18	0 26.09	−13 22.2	2.236	3.150	8.6	19.9
10 28	0 20.32	−13 25.7	2.313	3.156	11.2	20.1
11 7	0 16.24	−13 11.2	2.411	3.162	13.4	20.3

280624 2004 XH_{99} 10 3.0 3.°76 2.°8/ 5.2 18

8 29	0 53.00	+12 4.0	1.064	1.940	20.1	19.0
9 8	0 51.33	+11 57.4	1.006	1.938	15.7	18.7
9 18	0 46.83	+11 24.7	0.966	1.938	10.6	18.4
9 28	0 40.35	+10 29.2	0.946	1.940	5.2	18.1
10 8	0 33.22	+ 9 18.8	0.948	1.944	3.3	18.1
10 18	0 26.89	+ 8 4.5	0.973	1.950	8.2	18.4
10 28	0 22.66	+ 6 58.0	1.020	1.958	13.4	18.7
11 7	0 21.32	+ 6 8.2	1.087	1.967	17.9	19.0

475412 2006 KZ_{12} 10 3.0 208.°27 7.°5/25.0 18

8 29	1 0.13	−13 50.9	1.843	2.719	12.9	20.8
9 8	0 55.52	−15 25.2	1.789	2.717	10.2	20.6
9 18	0 48.90	−16 56.0	1.758	2.715	8.0	20.5
9 28	0 40.96	−18 14.1	1.754	2.713	7.6	20.4
10 8	0 32.64	−19 11.5	1.776	2.711	9.2	20.5
10 18	0 24.91	−19 43.1	1.823	2.709	11.8	20.7
10 28	0 18.66	−19 47.4	1.892	2.707	14.4	20.9
11 7	0 14.51	−19 25.8	1.980	2.704	16.8	21.0

318431 2005 CS_4 10 3.0 327.°38 6.°7/24.2 18

8 29	0 54.84	−12 38.2	2.073	2.954	11.5	19.5
9 8	0 51.44	−14 24.1	2.013	2.945	9.0	19.4
9 18	0 46.34	−16 8.7	1.978	2.937	7.1	19.2
9 28	0 40.10	−17 43.5	1.969	2.929	6.9	19.2
10 8	0 33.47	−19 0.6	1.988	2.922	8.4	19.3
10 18	0 27.27	−19 54.5	2.031	2.914	10.9	19.4
10 28	0 22.27	−20 22.3	2.098	2.907	13.4	19.6
11 7	0 19.01	−20 24.7	2.184	2.901	15.6	19.8

265074 2003 SD_{140} 10 3.0 340.°78 2.°8/30.2 18

8 29	0 55.95	− 1 2.1	1.878	2.752	12.8	20.0
9 8	0 52.40	− 1 53.8	1.805	2.743	9.5	19.8
9 18	0 47.00	− 2 52.9	1.756	2.736	5.9	19.6
9 28	0 40.34	− 3 53.4	1.733	2.729	2.9	19.4
10 8	0 33.24	− 4 48.7	1.737	2.722	4.4	19.5
10 18	0 26.61	− 5 32.7	1.768	2.716	8.0	19.7
10 28	0 21.27	− 6 0.5	1.824	2.711	11.5	19.9
11 7	0 17.84	− 6 10.0	1.901	2.706	14.6	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
212263	2005 JM_{117}		10	3.0	333.°86	3.°6/29.5 18
	h m	° ′			°	m
8 29	0 57.92	− 2 21.6	1.721	2.597	13.6	19.9
9 8	0 54.00	− 3 26.2	1.654	2.593	10.1	19.7
9 18	0 48.03	− 4 37.9	1.610	2.589	6.4	19.5
9 28	0 40.69	− 5 49.5	1.592	2.585	3.7	19.3
10 8	0 32.91	− 6 52.9	1.601	2.582	5.3	19.4
10 18	0 25.66	− 7 41.5	1.636	2.579	9.0	19.6
10 28	0 19.88	− 8 10.3	1.695	2.576	12.7	19.9
11 7	0 16.21	− 8 17.7	1.776	2.573	15.8	20.1
398713	2012 XR_{59}		10	3.0	193.°09	1.°9/ 5.2 18 R
8 29	0 59.78	+12 55.5	2.160	2.977	13.4	21.8
9 8	0 55.08	+12 26.7	2.076	2.976	10.5	21.6
9 18	0 48.58	+11 41.5	2.015	2.974	7.0	21.4
9 28	0 40.87	+10 42.5	1.980	2.972	3.5	21.2
10 8	0 32.74	+ 9 34.1	1.974	2.969	2.2	21.1
10 18	0 25.03	+ 8 22.4	1.997	2.966	5.5	21.3
10 28	0 18.57	+ 7 14.1	2.048	2.962	9.1	21.5
11 7	0 13.95	+ 6 15.2	2.124	2.958	12.2	21.7
312952	1996 AN_6		10	3.0	87.°92	2.°3/30.6 18
8 29	0 58.86	− 0 52.9	2.164	3.025	11.8	20.9
9 8	0 54.26	− 1 33.1	2.097	3.029	8.7	20.7
9 18	0 47.99	− 2 19.0	2.055	3.032	5.4	20.5
9 28	0 40.65	− 3 5.8	2.040	3.036	2.5	20.3
10 8	0 32.99	− 3 48.2	2.053	3.040	3.6	20.4
10 18	0 25.81	− 4 21.4	2.094	3.043	6.9	20.6
10 28	0 19.84	− 4 41.9	2.162	3.047	10.1	20.8
11 7	0 15.62	− 4 47.6	2.253	3.050	12.9	21.0
18935	Alfandmedina		10	3.0	345.°69	1.°2/ 2.2 18
8 29	0 56.13	+ 5 6.0	1.026	1.918	19.4	17.7
9 8	0 53.85	+ 4 23.2	0.963	1.910	14.6	17.4
9 18	0 48.51	+ 3 19.7	0.919	1.902	9.0	17.1
9 28	0 40.97	+ 2 2.9	0.896	1.895	3.0	16.8
10 8	0 32.64	+ 0 43.9	0.895	1.890	4.0	16.8
10 18	0 25.09	− 0 25.0	0.917	1.886	10.1	17.1
10 28	0 19.78	− 1 13.4	0.960	1.883	15.7	17.4
11 7	0 17.59	− 1 35.7	1.021	1.881	20.4	17.7
384742	2011 LR_{26}		10	3.0	128.°28	2.°1/30.9 16
8 29	1 1.41	+ 1 6.7	1.843	2.703	13.6	22.1
9 8	0 56.37	+ 0 14.0	1.781	2.712	10.0	21.9
9 18	0 49.38	− 0 47.3	1.744	2.721	6.1	21.7
9 28	0 41.13	− 1 51.4	1.732	2.730	2.5	21.4
10 8	0 32.54	− 2 51.4	1.749	2.738	3.8	21.6
10 18	0 24.58	− 3 41.0	1.794	2.746	7.6	21.8
10 28	0 18.10	− 4 15.4	1.865	2.754	11.3	22.0
11 7	0 13.68	− 4 32.3	1.958	2.761	14.4	22.3
271944	2004 YG_{32}		10	3.0	288.°75	4.°2/29.2 17
8 29	1 6.18	− 9 23.9	2.405	3.258	11.1	20.7
9 8	0 59.83	− 9 41.6	2.304	3.227	8.5	20.4
9 18	0 51.57	− 9 58.0	2.229	3.196	5.9	20.2
9 28	0 41.93	−10 8.4	2.181	3.164	4.2	20.1
10 8	0 31.69	−10 8.6	2.163	3.132	5.4	20.1
10 18	0 21.72	− 9 55.2	2.174	3.099	8.2	20.2
10 28	0 12.90	− 9 26.5	2.213	3.067	11.2	20.4
11 7	0 5.90	− 8 42.6	2.275	3.034	13.9	20.5
291654	2006 HF_{53}		10	3.0	208.°70	19.°3/17.2 17
8 29	1 17.59	−37 57.6	1.266	2.088	20.8	20.5
9 8	1 9.89	−39 59.0	1.240	2.085	19.6	20.4
9 18	0 58.27	−41 26.8	1.231	2.081	19.3	20.4
9 28	0 44.18	−42 5.7	1.239	2.076	19.8	20.4
10 8	0 29.70	−41 47.9	1.265	2.071	21.0	20.5
10 18	0 16.94	−40 34.6	1.307	2.065	22.7	20.6
10 28	0 7.46	−38 33.6	1.364	2.059	24.4	20.8
11 7	0 1.95	−35 56.9	1.432	2.052	26.1	20.9
391943	2008 VT_{47}		10	3.0	277.°12	3.°2/ 6.6 18
8 29	0 57.22	+17 40.6	1.799	2.611	15.9	21.2
9 8	0 53.63	+16 56.5	1.706	2.598	12.8	21.0
9 18	0 47.92	+15 47.1	1.634	2.585	9.1	20.7
9 28	0 40.71	+14 14.2	1.587	2.572	5.2	20.5
10 8	0 32.91	+12 23.6	1.566	2.559	3.3	20.3
10 18	0 25.53	+10 24.5	1.574	2.546	6.3	20.5
10 28	0 19.59	+ 8 27.7	1.609	2.533	10.4	20.7
11 7	0 15.79	+ 6 42.9	1.669	2.519	14.2	20.9
63374	2001 HX_{35}		10	3.1	83.°18	0.°8/ 3.8 18
8 29	1 1.61	+ 9 44.6	1.480	2.329	16.9	19.4
9 8	0 56.91	+ 9 1.6	1.424	2.345	12.9	19.2
9 18	0 49.86	+ 7 59.7	1.389	2.360	8.2	18.9
9 28	0 41.31	+ 6 44.1	1.378	2.376	3.1	18.7
10 8	0 32.42	+ 5 22.8	1.395	2.391	2.3	18.7
10 18	0 24.34	+ 4 4.9	1.438	2.406	7.2	19.0
10 28	0 18.09	+ 2 58.8	1.506	2.421	11.6	19.3
11 7	0 14.31	+ 2 10.2	1.597	2.436	15.4	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2534	Houzeau		10	3.1	359.°58	0.°2/ 2.9 18
	h m	° ′			°	m
8 29	0 56.50	+ 5 44.4	1.767	2.627	14.1	15.4
9 8	0 52.91	+ 5 17.8	1.696	2.625	10.6	15.2
9 18	0 47.36	+ 4 38.7	1.647	2.624	6.6	15.0
9 28	0 40.49	+ 3 51.2	1.624	2.623	2.2	14.7
10 8	0 33.18	+ 3 1.1	1.628	2.623	2.3	14.7
10 18	0 26.38	+ 2 14.7	1.658	2.624	6.7	15.0
10 28	0 20.98	+ 1 37.8	1.714	2.626	10.7	15.2
11 7	0 17.61	+ 1 14.7	1.792	2.628	14.1	15.5
420364	2012 BJ_{104}		10	3.1	181.°62	6.°1/11.6 17
8 29	0 59.40	+28 10.6	2.744	3.458	13.3	21.4
9 8	0 54.63	+28 25.9	2.652	3.459	11.4	21.2
9 18	0 48.25	+28 22.1	2.581	3.459	9.4	21.1
9 28	0 40.78	+27 57.9	2.533	3.459	7.4	21.0
10 8	0 32.90	+27 14.4	2.512	3.458	6.2	20.9
10 18	0 25.37	+26 14.7	2.518	3.458	6.4	20.9
10 28	0 18.91	+25 4.3	2.552	3.457	7.9	21.0
11 7	0 14.08	+23 49.5	2.613	3.455	10.0	21.1
2338	Bokhan		10	3.1	48.°97	1.°8/ 1.3 18
8 29	0 59.11	+ 1 34.2	1.846	2.709	13.4	16.2
9 8	0 54.71	+ 0 51.4	1.782	2.714	10.0	16.0
9 18	0 48.39	− 0 0.3	1.741	2.719	6.0	15.7
9 28	0 40.83	− 0 55.4	1.726	2.724	2.3	15.5
10 8	0 32.90	− 1 47.7	1.739	2.729	3.4	15.6
10 18	0 25.54	− 2 31.1	1.779	2.735	7.3	15.9
10 28	0 19.59	− 3 0.9	1.845	2.740	11.0	16.1
11 7	0 15.65	− 3 14.4	1.933	2.746	14.2	16.3
485713	2012 AE_{17}		10	3.1	159.°32	3.°2/ 7.5 18
8 29	0 58.78	+18 14.3	2.922	3.698	11.3	22.2
9 8	0 53.91	+18 10.2	2.838	3.704	9.1	22.0
9 18	0 47.68	+17 52.2	2.776	3.709	6.7	21.9
9 28	0 40.57	+17 20.9	2.741	3.714	4.3	21.7
10 8	0 33.15	+16 38.7	2.736	3.719	3.2	21.7
10 18	0 26.07	+15 49.1	2.759	3.723	4.5	21.8
10 28	0 19.94	+14 56.7	2.812	3.727	6.9	21.9
11 7	0 15.21	+14 6.0	2.892	3.730	9.2	22.1
388924	2008 SA_{154}		10	3.1	13.°64	0.°1/ 2.9 16
8 29	0 55.33	+ 3 39.8	3.963	4.796	7.5	20.0
9 8	0 50.98	+ 3 38.4	3.882	4.797	5.6	19.9
9 18	0 45.72	+ 3 32.7	3.827	4.799	3.4	19.8
9 28	0 39.87	+ 3 24.4	3.802	4.800	1.1	19.6
10 8	0 33.84	+ 3 15.2	3.807	4.802	1.2	19.6
10 18	0 28.02	+ 3 7.2	3.843	4.804	3.5	19.8
10 28	0 22.83	+ 3 2.4	3.908	4.806	5.6	19.9
11 7	0 18.58	+ 3 2.2	3.999	4.807	7.5	20.1
342757	2008 WX_{81}		10	3.1	105.°56	4.°4/28.9 18
8 29	1 0.99	− 5 8.9	1.761	2.635	13.5	20.7
9 8	0 56.17	− 6 11.2	1.704	2.641	10.1	20.5
9 18	0 49.31	− 7 17.0	1.670	2.646	6.5	20.3
9 28	0 41.14	− 8 18.9	1.663	2.651	4.4	20.2
10 8	0 32.62	− 9 9.5	1.682	2.657	6.0	20.3
10 18	0 24.75	− 9 43.2	1.728	2.662	9.3	20.5
10 28	0 18.41	− 9 56.7	1.799	2.667	12.6	20.8
11 7	0 14.21	− 9 49.5	1.890	2.672	15.6	21.0
120631	1996 GX_9		10	3.1	118.°68	0.°7/ 2.2 18
8 29	0 58.59	+ 3 32.7	2.520	3.365	10.9	20.1
9 8	0 53.82	+ 2 59.7	2.454	3.376	8.1	20.0
9 18	0 47.63	+ 2 19.1	2.412	3.387	4.9	19.8
9 28	0 40.54	+ 1 34.6	2.399	3.397	1.6	19.6
10 8	0 33.21	+ 0 50.4	2.415	3.408	2.2	19.6
10 18	0 26.30	+ 0 10.8	2.460	3.418	5.4	19.9
10 28	0 20.46	− 0 20.6	2.533	3.428	8.4	20.1
11 7	0 16.14	− 0 41.0	2.631	3.438	11.0	20.3
271073	2003 KU_{13}		10	3.1	20.°67	11.°3/ 1.4 18
8 29	1 17.85	−21 29.7	0.802	1.694	23.5	17.9
9 8	1 9.66	−20 40.9	0.783	1.717	18.8	17.7
9 18	0 57.67	−19 27.3	0.781	1.743	14.3	17.6
9 28	0 43.80	−17 42.5	0.798	1.771	11.5	17.6
10 8	0 30.42	−15 28.1	0.837	1.802	12.1	17.7
10 18	0 19.47	−12 52.5	0.898	1.835	15.1	18.0
10 28	0 12.15	−10 5.9	0.981	1.870	18.8	18.4
11 7	0 8.78	− 7 17.1	1.081	1.907	22.0	18.7
4004	List′ev		10	3.1	0.°62	1.°9/ 1.9 18
8 29	1 4.55	− 1 47.5	1.626	2.493	14.8	15.9
9 8	0 59.08	− 1 30.6	1.558	2.491	11.1	15.6
9 18	0 51.26	− 1 17.1	1.512	2.490	6.8	15.4
9 28	0 41.86	− 1 3.6	1.492	2.490	2.6	15.1
10 8	0 31.95	− 0 46.4	1.498	2.490	3.5	15.2
10 18	0 22.71	− 0 22.5	1.532	2.492	7.8	15.5
10 28	0 15.20	+ 0 10.4	1.591	2.495	11.9	15.7
11 7	0 10.11	+ 0 53.5	1.673	2.498	15.4	16.0

85394 1996 RT_{32} 10 3.1 6.°82 1.°3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 51.62	− 0 55.6	4.044	4.896	7.0	19.6
9 8	0 48.25	− 1 27.9	3.969	4.896	5.1	19.5
9 18	0 44.05	− 2 3.2	3.920	4.897	3.1	19.3
9 28	0 39.32	− 2 39.0	3.901	4.897	1.4	19.2
10 8	0 34.43	− 3 12.6	3.912	4.898	2.1	19.3
10 18	0 29.74	− 3 41.8	3.952	4.898	4.1	19.4
10 28	0 25.62	− 4 4.4	4.021	4.899	6.0	19.5
11 7	0 22.37	− 4 18.8	4.115	4.900	7.7	19.7

73830 1996 AU_{13} 10 3.1 7.°56 1.°0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.13	+ 2 45.9	1.501	2.369	15.7	19.2
9 8	0 56.67	+ 2 31.7	1.436	2.370	11.8	19.0
9 18	0 49.84	+ 2 7.1	1.393	2.371	7.2	18.7
9 28	0 41.39	+ 1 36.6	1.374	2.373	2.4	18.4
10 8	0 32.43	+ 1 6.3	1.381	2.375	3.1	18.5
10 18	0 24.15	+ 0 42.2	1.414	2.378	7.9	18.8
10 28	0 17.62	+ 0 29.5	1.471	2.381	12.2	19.1
11 7	0 13.55	+ 0 31.5	1.550	2.385	16.0	19.3

210057 2006 PT_{26} 10 3.1 47.°95 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.42	+ 4 40.8	1.711	2.563	14.9	19.9
9 8	0 58.07	+ 4 41.0	1.647	2.571	11.2	19.7
9 18	0 50.55	+ 4 30.9	1.606	2.580	7.0	19.5
9 28	0 41.60	+ 4 13.7	1.590	2.588	2.4	19.2
10 8	0 32.24	+ 3 53.8	1.601	2.597	2.3	19.3
10 18	0 23.55	+ 3 36.1	1.640	2.606	6.8	19.6
10 28	0 16.50	+ 3 25.4	1.705	2.616	10.8	19.8
11 7	0 11.72	+ 3 25.0	1.793	2.625	14.3	20.1

200958 2002 CX_{13} 10 3.1 61.°90 8.°9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.21	−12 30.8	1.589	2.477	13.9	19.3
9 8	0 53.62	−15 26.8	1.548	2.483	11.0	19.1
9 18	0 47.87	−18 20.4	1.532	2.488	9.1	19.0
9 28	0 40.69	−20 57.1	1.544	2.494	9.3	19.0
10 8	0 33.12	−23 4.5	1.581	2.500	11.3	19.2
10 18	0 26.19	−24 35.1	1.643	2.507	14.1	19.4
10 28	0 20.88	−25 26.8	1.726	2.513	16.8	19.6
11 7	0 17.80	−25 42.5	1.825	2.519	19.0	19.8

259784 2004 BX_{41} 10 3.1 262.°43 2.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.65	+ 9 46.1	1.588	2.427	16.4	20.7
9 8	0 59.51	+ 9 53.9	1.502	2.416	12.8	20.5
9 18	0 51.76	+ 9 46.0	1.438	2.404	8.5	20.2
9 28	0 42.12	+ 9 23.6	1.398	2.392	3.9	19.9
10 8	0 31.66	+ 8 50.7	1.384	2.379	2.7	19.8
10 18	0 21.68	+ 8 13.2	1.397	2.367	7.2	20.0
10 28	0 13.41	+ 7 38.4	1.436	2.354	11.9	20.3
11 7	0 7.75	+ 7 12.7	1.497	2.341	15.9	20.5

23859 1998 RX_{55} 10 3.1 156.°49 2.°5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.53	+12 52.2	2.253	3.061	13.3	19.6
9 8	0 57.79	+12 56.7	2.175	3.067	10.4	19.4
9 18	0 50.24	+12 47.4	2.119	3.073	7.1	19.2
9 28	0 41.49	+12 25.5	2.091	3.078	3.8	19.0
10 8	0 32.33	+11 53.8	2.091	3.083	2.6	18.9
10 18	0 23.64	+11 16.6	2.120	3.087	5.4	19.1
10 28	0 16.23	+10 39.2	2.178	3.091	8.6	19.3
11 7	0 10.69	+10 6.6	2.261	3.095	11.6	19.5

324245 2006 BR_{164} 10 3.1 199.°91 3.°7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.48	− 7 17.9	2.873	3.737	9.2	21.5
9 8	0 52.19	− 8 29.7	2.803	3.733	6.9	21.3
9 18	0 46.62	− 9 43.1	2.760	3.730	4.7	21.2
9 28	0 40.23	−10 53.0	2.745	3.725	3.7	21.1
10 8	0 33.56	−11 54.4	2.760	3.721	4.9	21.2
10 18	0 27.21	−12 43.1	2.804	3.716	7.1	21.3
10 28	0 21.74	−13 16.5	2.874	3.711	9.4	21.5
11 7	0 17.58	−13 33.4	2.967	3.705	11.4	21.6

220253 2002 XG_{93} 10 3.1 314.°61 0.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.33	+ 4 40.2	1.323	2.195	17.2	20.4
9 8	0 56.63	+ 4 21.5	1.243	2.179	13.1	20.1
9 18	0 50.14	+ 3 47.8	1.183	2.162	8.2	19.8
9 28	0 41.59	+ 3 3.5	1.147	2.146	2.7	19.4
10 8	0 32.17	+ 2 15.6	1.135	2.131	3.1	19.4
10 18	0 23.28	+ 1 32.4	1.149	2.116	8.8	19.7
10 28	0 16.27	+ 1 2.0	1.185	2.102	13.9	20.0
11 7	0 12.08	+ 0 49.4	1.241	2.088	18.4	20.2

229813 2008 SW_{223} 10 3.1 6.°90 1.°1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.58	+10 43.4	3.989	4.801	7.9	20.5
9 8	0 49.00	+10 34.1	3.904	4.801	6.1	20.3
9 18	0 44.54	+10 17.4	3.844	4.802	4.0	20.2
9 28	0 39.50	+ 9 54.7	3.812	4.803	2.0	20.0
10 8	0 34.27	+ 9 28.0	3.809	4.804	1.3	20.0
10 18	0 29.25	+ 8 59.5	3.837	4.805	3.2	20.1
10 28	0 24.82	+ 8 31.8	3.894	4.806	5.2	20.3
11 7	0 21.29	+ 8 7.5	3.978	4.807	7.1	20.4

208132 2000 DO_{110} 10 3.1 341.°91 7.°9/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.58	+12 59.4	1.108	1.963	21.0	18.2
9 8	1 0.05	+15 3.8	1.023	1.937	17.3	17.9
9 18	0 52.92	+16 58.2	0.957	1.913	13.1	17.6
9 28	0 42.75	+18 35.8	0.911	1.890	9.2	17.3
10 8	0 30.90	+19 51.3	0.887	1.870	8.0	17.2
10 18	0 19.26	+20 42.4	0.887	1.852	11.0	17.3
10 28	0 9.87	+21 13.4	0.907	1.837	15.6	17.5
11 7	0 4.22	+21 32.7	0.946	1.824	20.1	17.7

171690 2000 SF_{41} 10 3.1 64.°45 3.°2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.31	− 0 39.5	1.201	2.082	18.0	19.7
9 8	1 0.01	− 1 21.7	1.158	2.099	13.3	19.5
9 18	0 51.91	− 2 12.6	1.135	2.115	8.1	19.3
9 28	0 42.06	− 3 3.9	1.135	2.132	3.6	19.1
10 8	0 31.90	− 3 46.8	1.160	2.149	5.2	19.2
10 18	0 22.84	− 4 14.2	1.210	2.166	9.9	19.5
10 28	0 16.07	− 4 21.6	1.283	2.184	14.4	19.9
11 7	0 12.21	− 4 8.2	1.376	2.201	18.2	20.1

61449 2000 QX_{27} 10 3.1 6.°92 1.°7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.29	+ 3 14.7	1.325	2.204	16.7	19.4
9 8	0 54.80	+ 2 29.9	1.264	2.204	12.5	19.2
9 18	0 48.78	+ 1 31.0	1.224	2.205	7.6	18.9
9 28	0 41.06	+ 0 25.0	1.207	2.207	2.7	18.6
10 8	0 32.81	− 0 39.4	1.216	2.209	3.8	18.7
10 18	0 25.28	− 1 33.3	1.249	2.212	8.9	19.0
10 28	0 19.63	− 2 9.6	1.306	2.216	13.5	19.3
11 7	0 16.55	− 2 24.9	1.383	2.221	17.4	19.6

152373 2005 UG_{171} 10 3.1 283.°94 0.°8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.00	+ 8 58.7	3.117	3.941	9.6	21.1
9 8	0 51.09	+ 8 39.8	3.019	3.925	7.3	20.9
9 18	0 45.98	+ 8 11.8	2.945	3.910	4.7	20.7
9 28	0 40.05	+ 7 36.5	2.899	3.895	2.0	20.5
10 8	0 33.79	+ 6 56.9	2.883	3.879	1.4	20.4
10 18	0 27.76	+ 6 16.2	2.897	3.864	4.1	20.6
10 28	0 22.48	+ 5 38.3	2.940	3.848	6.8	20.8
11 7	0 18.39	+ 5 6.4	3.008	3.833	9.3	20.9

318828 2005 SP_{227} 10 3.1 305.°85 0.°8/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.19	+ 3 34.1	1.924	2.781	13.3	21.9
9 8	0 54.90	+ 3 10.2	1.841	2.768	10.0	21.7
9 18	0 48.64	+ 2 36.3	1.780	2.756	6.2	21.4
9 28	0 41.01	+ 1 56.3	1.745	2.744	2.0	21.1
10 8	0 32.85	+ 1 15.3	1.738	2.732	2.6	21.2
10 18	0 25.10	+ 0 38.8	1.759	2.721	6.8	21.4
10 28	0 18.67	+ 0 12.2	1.806	2.710	10.7	21.6
11 7	0 14.21	− 0 1.2	1.875	2.698	14.1	21.8

296033 2008 YF_{167} 10 3.1 9.°36 6.°5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.80	− 8 50.2	1.460	2.348	14.9	19.7
9 8	0 55.69	−10 3.2	1.408	2.349	11.4	19.5
9 18	0 49.22	−11 16.7	1.377	2.350	8.0	19.3
9 28	0 41.19	−12 20.9	1.371	2.352	6.5	19.2
10 8	0 32.75	−13 7.0	1.390	2.354	8.2	19.3
10 18	0 25.05	−13 29.0	1.433	2.357	11.6	19.6
10 28	0 19.13	−13 24.6	1.498	2.360	15.1	19.8
11 7	0 15.65	−12 55.0	1.582	2.364	18.1	20.0

95362 2002 CH_{146} 10 3.1 220.°59 0.°6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.05	+ 8 28.1	2.301	3.136	12.2	20.2
9 8	0 53.70	+ 7 58.6	2.219	3.133	9.2	20.0
9 18	0 47.73	+ 7 17.1	2.161	3.130	5.9	19.8
9 28	0 40.66	+ 6 26.3	2.130	3.126	2.3	19.6
10 8	0 33.23	+ 5 30.9	2.127	3.123	1.7	19.5
10 18	0 26.17	+ 4 36.0	2.153	3.119	5.4	19.8
10 28	0 20.23	+ 3 47.0	2.207	3.116	8.8	20.0
11 7	0 15.94	+ 3 8.1	2.286	3.112	11.8	20.2

119490 2001 UA_{68} 10 3.1 149.°29 0.°8/ 2.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.01	+ 4 15.7	1.868	2.718	13.9	20.7
9 8	0 57.63	+ 3 40.6	1.801	2.725	10.4	20.5
9 18	0 50.24	+ 2 54.7	1.756	2.731	6.4	20.3
9 28	0 41.53	+ 2 2.4	1.739	2.738	2.1	20.0
10 8	0 32.43	+ 1 9.7	1.749	2.743	2.7	20.1
10 18	0 23.93	+ 0 22.8	1.788	2.748	6.9	20.4
10 28	0 16.93	− 0 13.1	1.853	2.753	10.7	20.6
11 7	0 12.03	− 0 34.4	1.942	2.757	14.0	20.8

67539 2000 SK_4 10 3.1 0.°83 3.°1/ 1.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.21	+ 0 53.9	0.915	1.822	19.8	18.7
9 8	0 54.08	+ 0 13.7	0.864	1.819	14.8	18.4
9 18	0 48.73	− 0 40.9	0.831	1.817	9.1	18.1
9 28	0 41.14	− 1 40.9	0.817	1.816	3.7	17.8
10 8	0 32.84	− 2 34.4	0.825	1.818	5.5	17.9
10 18	0 25.50	− 3 11.1	0.855	1.821	11.3	18.3
10 28	0 20.58	− 3 23.7	0.904	1.825	16.6	18.6
11 7	0 18.91	− 3 10.0	0.970	1.831	21.2	18.9

407176 2009 UD_{62} 10 3.1 320.°61 2.°7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.71	− 3 15.4	2.202	3.064	11.7	21.2
9 8	0 55.69	− 3 40.3	2.131	3.061	8.7	21.0
9 18	0 48.95	− 4 8.6	2.083	3.059	5.4	20.8
9 28	0 41.09	− 4 35.7	2.063	3.057	2.8	20.6
10 8	0 32.88	− 4 57.3	2.071	3.055	3.9	20.7
10 18	0 25.12	− 5 9.4	2.108	3.053	7.1	20.9
10 28	0 18.58	− 5 9.2	2.171	3.052	10.2	21.1
11 7	0 13.81	− 4 55.5	2.257	3.050	13.0	21.3

458018 2009 WJ_{143} 10 3.1 260.°63 1.°4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.76	+11 58.3	2.635	3.451	11.3	22.1
9 8	0 52.66	+11 27.9	2.535	3.435	8.8	21.9
9 18	0 47.08	+10 44.0	2.458	3.418	5.9	21.7
9 28	0 40.48	+ 9 48.8	2.408	3.401	2.8	21.5
10 8	0 33.46	+ 8 46.0	2.388	3.383	1.8	21.4
10 18	0 26.70	+ 7 40.3	2.397	3.365	4.7	21.5
10 28	0 20.87	+ 6 37.1	2.435	3.348	7.9	21.7
11 7	0 16.50	+ 5 41.3	2.499	3.329	10.8	21.9

208918 2002 TO_{380} 10 3.1 332.°68 0.°2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.24	+ 6 57.8	1.710	2.563	14.8	20.9
9 8	0 55.12	+ 6 34.3	1.635	2.559	11.3	20.7
9 18	0 48.86	+ 5 56.7	1.581	2.554	7.1	20.5
9 28	0 41.12	+ 5 8.7	1.552	2.550	2.5	20.2
10 8	0 32.86	+ 4 16.2	1.550	2.547	2.2	20.1
10 18	0 25.11	+ 3 25.8	1.576	2.543	6.8	20.4
10 28	0 18.86	+ 2 44.0	1.627	2.540	11.0	20.7
11 7	0 14.80	+ 2 15.9	1.700	2.537	14.7	20.9

260099 2004 NN 10 3.1 180.°70 16.°3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.23	+37 20.5	1.341	2.040	25.5	20.6
9 8	1 7.52	+39 25.6	1.270	2.041	23.2	20.4
9 18	0 57.66	+40 56.7	1.212	2.042	20.8	20.2
9 28	0 44.42	+41 42.0	1.171	2.042	18.4	20.0
10 8	0 29.54	+41 34.2	1.148	2.042	16.8	19.9
10 18	0 15.32	+40 33.6	1.145	2.041	16.4	19.9
10 28	0 3.98	+38 51.1	1.162	2.039	17.4	20.0
11 7	23 56.93	+36 44.6	1.198	2.037	19.4	20.1

457874 2009 SQ_{261} 10 3.1 302.°99 2.°0/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.26	− 3 32.2	1.038	1.910	20.8	20.3
9 8	1 11.94	− 2 33.8	0.962	1.897	16.1	20.0
9 18	1 0.31	− 1 32.3	0.905	1.883	10.2	19.6
9 28	0 45.29	− 0 24.9	0.871	1.870	3.8	19.2
10 8	0 28.77	+ 0 50.4	0.862	1.857	4.4	19.2
10 18	0 13.10	+ 2 13.2	0.879	1.844	11.1	19.5
10 28	0 0.46	+ 3 42.7	0.918	1.832	17.3	19.8
11 7	23 52.15	+ 5 18.1	0.977	1.820	22.5	20.1

127046 2002 GK_{42} 10 3.1 51.°56 0.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.07	+ 4 22.2	1.961	2.815	13.2	19.4
9 8	0 54.56	+ 3 53.2	1.903	2.829	9.8	19.2
9 18	0 48.28	+ 3 14.5	1.867	2.842	6.0	19.0
9 28	0 40.88	+ 2 30.2	1.857	2.856	2.0	18.8
10 8	0 33.20	+ 1 45.5	1.876	2.870	2.4	18.8
10 18	0 26.09	+ 1 5.8	1.922	2.885	6.3	19.1
10 28	0 20.33	+ 0 35.8	1.995	2.899	9.8	19.4
11 7	0 16.44	+ 0 18.5	2.091	2.914	12.9	19.6

481977 2009 FG_{66} 10 3.1 196.°72 0.°4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.87	+ 3 5.6	2.104	2.946	12.8	21.2
9 8	0 58.92	+ 3 5.1	2.025	2.945	9.7	21.0
9 18	0 51.05	+ 2 57.2	1.971	2.944	6.0	20.8
9 28	0 41.86	+ 2 44.6	1.943	2.942	2.0	20.5
10 8	0 32.24	+ 2 31.0	1.945	2.940	2.2	20.5
10 18	0 23.08	+ 2 20.3	1.976	2.938	6.2	20.8
10 28	0 15.28	+ 2 16.0	2.035	2.935	9.8	21.0
11 7	0 9.46	+ 2 20.9	2.117	2.933	13.0	21.2

343469 2010 EQ_{69} 10 3.1 230.°61 5.°5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.40	+19 16.2	1.878	2.667	16.2	20.7
9 8	0 59.06	+19 51.8	1.793	2.663	13.4	20.5
9 18	0 51.39	+20 8.1	1.728	2.659	10.1	20.3
9 28	0 42.05	+20 3.4	1.687	2.654	7.0	20.1
10 8	0 32.02	+19 39.1	1.672	2.650	5.5	20.0
10 18	0 22.43	+18 59.2	1.684	2.646	7.1	20.1
10 28	0 14.38	+18 10.6	1.723	2.641	10.3	20.2
11 7	0 8.65	+17 21.1	1.786	2.636	13.5	20.4

403738 2010 XU_{66} 10 3.1 17.°82 5.°4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.67	−10 32.9	2.143	3.015	11.5	20.9
9 8	0 54.20	−11 36.9	2.085	3.016	8.8	20.7
9 18	0 48.05	−12 39.6	2.050	3.017	6.4	20.5
9 28	0 40.82	−13 34.5	2.043	3.017	5.4	20.5
10 8	0 33.27	−14 15.6	2.063	3.018	6.8	20.6
10 18	0 26.21	−14 38.7	2.110	3.019	9.3	20.7
10 28	0 20.40	−14 41.7	2.181	3.020	11.9	20.9
11 7	0 16.36	−14 25.0	2.273	3.021	14.3	21.1

388248 2006 KD_{74} 10 3.1 67.°87 6.°1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.36	− 9 9.6	1.682	2.562	13.7	20.4
9 8	0 55.77	−10 30.1	1.636	2.572	10.4	20.2
9 18	0 49.12	−11 50.0	1.613	2.583	7.4	20.0
9 28	0 41.19	−13 0.5	1.616	2.594	6.1	20.0
10 8	0 32.96	−13 53.8	1.645	2.604	7.7	20.1
10 18	0 25.44	−14 24.6	1.699	2.615	10.7	20.3
10 28	0 19.53	−14 30.7	1.777	2.626	13.7	20.5
11 7	0 15.79	−14 13.4	1.875	2.637	16.4	20.8

345427 2006 DG_{73} 10 3.1 4.°02 1.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.99	+ 0 50.5	1.452	2.317	16.4	19.6
9 8	1 1.23	+ 1 10.4	1.385	2.316	12.3	19.4
9 18	0 52.79	+ 1 23.7	1.339	2.316	7.6	19.1
9 28	0 42.52	+ 1 33.7	1.318	2.317	2.6	18.8
10 8	0 31.64	+ 1 44.2	1.324	2.318	3.1	18.8
10 18	0 21.52	+ 1 59.0	1.356	2.320	8.1	19.2
10 28	0 13.36	+ 2 21.8	1.413	2.323	12.6	19.4
11 7	0 7.96	+ 2 54.5	1.491	2.326	16.5	19.7

299167 2005 GL_{36} 10 3.1 289.°00 0.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.07	+ 3 50.6	1.825	2.680	13.9	20.9
9 8	0 56.37	+ 3 28.2	1.749	2.676	10.5	20.7
9 18	0 49.60	+ 2 55.3	1.695	2.671	6.5	20.5
9 28	0 41.40	+ 2 15.9	1.668	2.667	2.1	20.2
10 8	0 32.71	+ 1 35.5	1.668	2.662	2.6	20.2
10 18	0 24.52	+ 0 59.9	1.695	2.658	6.9	20.5
10 28	0 17.77	+ 0 34.1	1.749	2.653	10.9	20.7
11 7	0 13.13	+ 0 21.9	1.825	2.649	14.4	20.9

472928 2015 GM_{20} 10 3.1 245.°52 1.°5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.18	+ 2 55.9	1.681	2.539	14.8	21.7
9 8	0 58.22	+ 2 16.7	1.598	2.527	11.1	21.4
9 18	0 50.91	+ 1 25.4	1.536	2.513	6.9	21.1
9 28	0 41.90	+ 0 27.1	1.501	2.500	2.4	20.8
10 8	0 32.22	− 0 31.0	1.493	2.486	3.4	20.9
10 18	0 23.00	− 1 21.8	1.513	2.471	8.1	21.1
10 28	0 15.36	− 1 58.7	1.557	2.456	12.4	21.4
11 7	0 10.09	− 2 17.9	1.624	2.441	16.2	21.6

487358 2014 QW_{227} 10 3.1 260.°00 4.°9/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.43	− 7 26.8	2.357	3.230	10.6	21.1
9 8	0 51.73	− 9 18.7	2.291	3.226	7.9	20.9
9 18	0 46.52	−11 13.7	2.253	3.222	5.7	20.8
9 28	0 40.31	−13 3.9	2.243	3.218	4.9	20.7
10 8	0 33.77	−14 41.9	2.262	3.214	6.5	20.8
10 18	0 27.59	−16 1.5	2.309	3.210	9.0	21.0
10 28	0 22.45	−16 59.0	2.381	3.206	11.5	21.1
11 7	0 18.86	−17 33.3	2.475	3.202	13.7	21.3

210620 2000 DJ_{115} 10 3.1 121.°47 2.°2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.27	+12 8.2	2.061	2.880	13.9	21.0
9 8	0 57.00	+12 5.3	1.990	2.889	10.9	20.8
9 18	0 49.85	+11 47.7	1.940	2.898	7.3	20.6
9 28	0 41.46	+11 17.1	1.917	2.907	3.7	20.4
10 8	0 32.70	+10 37.3	1.921	2.915	2.5	20.3
10 18	0 24.45	+ 9 53.3	1.955	2.924	5.6	20.5
10 28	0 17.57	+ 9 10.9	2.016	2.931	9.1	20.8
11 7	0 12.66	+ 8 35.2	2.101	2.939	12.2	21.0

261805 2006 BV_{263} 10 3.1 279.°70 0.°9/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.51	+ 3 14.7	2.283	3.134	11.7	21.6
9 8	0 54.14	+ 2 46.0	2.195	3.120	8.8	21.4
9 18	0 48.09	+ 2 8.7	2.131	3.107	5.4	21.1
9 28	0 40.88	+ 1 26.3	2.094	3.093	1.8	20.9
10 8	0 33.23	+ 0 43.4	2.086	3.079	2.4	20.9
10 18	0 25.90	+ 0 4.9	2.106	3.066	6.1	21.1
10 28	0 19.67	− 0 24.9	2.154	3.052	9.5	21.3
11 7	0 15.11	− 0 42.6	2.225	3.038	12.5	21.5

68 Leto 10 3.1 12.°00 3.°7/30.5 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.56	− 3 49.0	1.388	2.271	15.9	10.3
9 8	0 57.11	− 4 9.9	1.333	2.274	11.8	10.0
9 18	0 50.17	− 4 34.6	1.299	2.279	7.4	9.7
9 28	0 41.61	− 4 56.8	1.289	2.284	3.9	9.5
10 8	0 32.61	− 5 9.7	1.304	2.290	5.3	9.7
10 18	0 24.41	− 5 8.6	1.345	2.298	9.5	9.9
10 28	0 18.11	− 4 50.5	1.409	2.306	13.6	10.2
11 7	0 14.38	− 4 15.1	1.493	2.315	17.1	10.5

183922 2004 CQ_{112} 10 3.1 195.°32 5.°2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.14	− 6 9.3	1.593	2.469	14.6	20.3
9 8	0 58.10	− 7 17.3	1.532	2.469	10.9	20.1
9 18	0 50.74	− 8 28.8	1.493	2.467	7.3	19.9
9 28	0 41.81	− 9 35.3	1.479	2.466	5.2	19.7
10 8	0 32.40	−10 28.2	1.492	2.464	6.9	19.8
10 18	0 23.67	−11 1.1	1.531	2.463	10.5	20.0
10 28	0 16.66	−11 10.5	1.594	2.460	14.1	20.3
11 7	0 12.06	−10 56.4	1.677	2.458	17.3	20.5

405265 2003 SG_{313} 10 3.1 7.°38 0.°0/ 3.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.84	+ 6 30.2	1.588	2.452	15.2	20.6
9 8	0 52.64	+ 6 5.9	1.524	2.454	11.5	20.4
9 18	0 47.34	+ 5 27.6	1.481	2.457	7.2	20.1
9 28	0 40.64	+ 4 39.4	1.463	2.462	2.5	19.9
10 8	0 33.51	+ 3 47.8	1.471	2.467	2.3	19.9
10 18	0 26.97	+ 2 59.6	1.505	2.473	6.9	20.2
10 28	0 21.95	+ 2 21.4	1.563	2.481	11.1	20.4
11 7	0 19.09	+ 1 57.6	1.644	2.489	14.7	20.7

42583 1997 EP_{33} 10 3.1 150.°43 8.°4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.01	−17 31.7	2.022	2.892	12.2	18.9
9 8	0 55.35	−19 36.4	1.981	2.898	10.0	18.7
9 18	0 48.83	−21 34.2	1.965	2.904	8.5	18.7
9 28	0 41.12	−23 15.4	1.975	2.910	8.6	18.7
10 8	0 33.08	−24 32.3	2.012	2.915	10.1	18.8
10 18	0 25.61	−25 20.5	2.073	2.919	12.3	18.9
10 28	0 19.53	−25 39.0	2.156	2.924	14.4	19.1
11 7	0 15.40	−25 30.0	2.257	2.928	16.3	19.3

366315 2013 CN_{182} 10 3.1 224.°78 1.°3/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.11	+ 9 21.9	2.011	2.844	13.7	21.5
9 8	0 56.26	+ 9 12.3	1.931	2.841	10.6	21.3
9 18	0 49.48	+ 8 49.3	1.873	2.839	6.9	21.0
9 28	0 41.38	+ 8 15.3	1.841	2.836	3.0	20.8
10 8	0 32.80	+ 7 34.3	1.837	2.833	2.0	20.7
10 18	0 24.66	+ 6 51.6	1.861	2.829	5.9	21.0
10 28	0 17.85	+ 6 12.9	1.912	2.826	9.6	21.2
11 7	0 13.02	+ 5 43.0	1.988	2.823	12.9	21.4

138201 2000 EZ_{137} 10 3.1 345.°27 1.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.83	+ 7 45.0	1.081	1.962	19.5	19.1
9 8	0 55.20	+ 7 52.3	1.013	1.951	15.1	18.8
9 18	0 49.49	+ 7 40.6	0.963	1.940	9.8	18.5
9 28	0 41.51	+ 7 12.5	0.934	1.931	4.0	18.1
10 8	0 32.64	+ 6 34.4	0.927	1.924	2.9	18.1
10 18	0 24.44	+ 5 54.9	0.943	1.918	8.8	18.4
10 28	0 18.44	+ 5 23.5	0.980	1.913	14.4	18.7
11 7	0 15.60	+ 5 7.2	1.037	1.910	19.2	19.0

126658 2002 CW_{203} 10 3.1 62.°02 1.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.81	+ 1 49.9	2.023	2.882	12.6	19.7
9 8	0 54.38	+ 1 9.7	1.960	2.890	9.3	19.5
9 18	0 48.20	+ 0 21.4	1.920	2.897	5.7	19.3
9 28	0 40.90	− 0 30.1	1.907	2.905	2.1	19.1
10 8	0 33.29	− 1 19.4	1.922	2.913	3.1	19.2
10 18	0 26.20	− 2 1.0	1.965	2.921	6.7	19.4
10 28	0 20.40	− 2 30.4	2.034	2.929	10.2	19.6
11 7	0 16.42	− 2 45.3	2.127	2.937	13.1	19.8

430436 2000 EQ_{101} 10 3.1 191.°07 0.°9/ 3.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.96	+ 8 53.6	1.869	2.704	14.5	22.5
9 8	0 57.77	+ 8 29.2	1.790	2.703	11.1	22.3
9 18	0 50.47	+ 7 50.1	1.734	2.702	7.1	22.1
9 28	0 41.72	+ 6 59.3	1.704	2.700	2.8	21.8
10 8	0 32.48	+ 6 2.1	1.701	2.698	2.1	21.8
10 18	0 23.74	+ 5 4.9	1.728	2.695	6.4	22.0
10 28	0 16.48	+ 4 14.4	1.781	2.691	10.4	22.3
11 7	0 11.37	+ 3 35.9	1.857	2.687	13.9	22.5

383107 2005 SO_{192} 10 3.1 327.°84 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.41	+ 6 41.3	1.275	2.149	17.6	20.4
9 8	0 54.50	+ 6 11.0	1.199	2.135	13.4	20.1
9 18	0 48.89	+ 5 21.7	1.142	2.120	8.5	19.8
9 28	0 41.28	+ 4 18.1	1.108	2.107	2.9	19.4
10 8	0 32.86	+ 3 8.4	1.098	2.094	2.9	19.4
10 18	0 25.00	+ 2 2.6	1.112	2.082	8.6	19.7
10 28	0 19.01	+ 1 10.3	1.150	2.071	13.8	20.0
11 7	0 15.78	+ 0 37.9	1.207	2.061	18.3	20.2

134126 2005 AN_6 10 3.1 287.°56 0.°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.54	+ 7 56.1	1.732	2.582	14.9	20.0
9 8	0 55.41	+ 7 26.9	1.651	2.572	11.3	19.7
9 18	0 49.12	+ 6 42.1	1.590	2.563	7.2	19.5
9 28	0 41.30	+ 5 45.3	1.555	2.553	2.7	19.2
10 8	0 32.89	+ 4 42.7	1.548	2.544	2.2	19.1
10 18	0 24.95	+ 3 41.4	1.567	2.534	6.8	19.4
10 28	0 18.48	+ 2 48.6	1.612	2.525	11.1	19.6
11 7	0 14.20	+ 2 9.9	1.680	2.516	14.9	19.9

358971 2008 RQ_{112} 10 3.1 358.°76 1.°4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 51.65	+12 51.7	3.703	4.509	8.5	20.6
9 8	0 48.45	+12 30.6	3.616	4.509	6.6	20.5
9 18	0 44.30	+12 0.4	3.554	4.508	4.5	20.3
9 28	0 39.55	+11 22.5	3.519	4.508	2.4	20.2
10 8	0 34.60	+10 39.2	3.514	4.507	1.5	20.1
10 18	0 29.86	+ 9 53.6	3.539	4.507	3.3	20.2
10 28	0 25.75	+ 9 8.8	3.593	4.508	5.5	20.4
11 7	0 22.61	+ 8 27.8	3.673	4.508	7.5	20.5

203191 2001 CV_{15} 10 3.1 299.°39 0.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.04	+ 3 56.4	1.617	2.479	15.1	20.7
9 8	0 56.81	+ 3 35.5	1.528	2.458	11.5	20.4
9 18	0 50.16	+ 3 2.3	1.460	2.437	7.2	20.1
9 28	0 41.72	+ 2 20.7	1.417	2.416	2.4	19.7
10 8	0 32.48	+ 1 36.9	1.400	2.395	2.9	19.7
10 18	0 23.63	+ 0 57.5	1.410	2.374	7.9	20.0
10 28	0 16.33	+ 0 29.3	1.445	2.354	12.5	20.2
11 7	0 11.43	+ 0 16.6	1.501	2.334	16.5	20.4

131587 2001 WA_{10} 10 3.1 288.°00 0.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.56	+ 6 55.4	1.300	2.168	17.7	20.1
9 8	0 56.83	+ 6 12.3	1.225	2.157	13.5	19.8
9 18	0 50.32	+ 5 9.3	1.169	2.146	8.5	19.5
9 28	0 41.79	+ 3 51.6	1.137	2.136	2.9	19.1
10 8	0 32.45	+ 2 28.3	1.129	2.125	3.1	19.1
10 18	0 23.72	+ 1 10.3	1.147	2.115	8.8	19.4
10 28	0 16.93	+ 0 7.4	1.189	2.104	14.0	19.7
11 7	0 12.96	− 0 33.7	1.250	2.094	18.5	19.9

288705 2004 RB_5 10 3.1 352.°99 2.°0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.58	− 0 54.5	2.006	2.866	12.7	19.8
9 8	0 56.54	− 1 10.9	1.935	2.865	9.4	19.6
9 18	0 49.61	− 1 32.5	1.887	2.864	5.8	19.4
9 28	0 41.44	− 1 55.2	1.866	2.863	2.4	19.2
10 8	0 32.86	− 2 14.2	1.873	2.862	3.4	19.3
10 18	0 24.79	− 2 25.6	1.908	2.862	7.0	19.5
10 28	0 18.05	− 2 26.0	1.969	2.862	10.5	19.7
11 7	0 13.27	− 2 13.6	2.053	2.862	13.6	19.9

220498 2004 DG_5 10 3.1 83.°15 2.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.80	+ 0 41.4	1.481	2.352	15.8	20.1
9 8	0 57.79	− 0 19.5	1.433	2.369	11.6	19.9
9 18	0 50.47	− 1 29.8	1.406	2.386	7.1	19.6
9 28	0 41.71	− 2 41.8	1.405	2.402	3.1	19.5
10 8	0 32.66	− 3 47.0	1.431	2.419	4.6	19.6
10 18	0 24.46	− 4 37.9	1.482	2.435	8.8	19.9
10 28	0 18.09	− 5 9.5	1.559	2.451	12.8	20.2
11 7	0 14.16	− 5 20.1	1.656	2.467	16.2	20.4

145205 2005 JP_{36} 10 3.1 285.°98 2.°2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.09	+12 19.0	1.461	2.303	17.5	20.3
9 8	0 56.91	+11 58.0	1.388	2.302	13.6	20.0
9 18	0 50.20	+11 15.3	1.335	2.300	9.1	19.7
9 28	0 41.71	+10 13.6	1.305	2.299	4.4	19.5
10 8	0 32.59	+ 8 59.4	1.301	2.297	2.8	19.4
10 18	0 24.11	+ 7 41.6	1.324	2.295	7.2	19.6
10 28	0 17.43	+ 6 29.9	1.371	2.294	11.9	19.9
11 7	0 13.34	+ 5 32.3	1.440	2.292	16.0	20.2

395612 2011 UR_{363} 10 3.1 2.°01 2.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.05	+ 0 36.8	1.528	2.401	15.2	20.5
9 8	0 55.89	+ 0 10.4	1.463	2.400	11.3	20.2
9 18	0 49.43	− 0 24.7	1.420	2.400	6.9	20.0
9 28	0 41.41	− 1 3.0	1.402	2.400	2.7	19.7
10 8	0 32.90	− 1 37.9	1.410	2.401	3.8	19.8
10 18	0 25.03	− 2 3.3	1.443	2.403	8.3	20.1
10 28	0 18.85	− 2 14.3	1.502	2.405	12.5	20.3
11 7	0 15.03	− 2 8.5	1.581	2.408	16.1	20.6

30079 2000 EP_{104} 10 3.1 220.°06 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.63	+ 7 2.0	1.936	2.774	14.0	19.5
9 8	0 58.28	+ 6 39.6	1.850	2.766	10.6	19.3
9 18	0 50.83	+ 6 4.3	1.786	2.757	6.7	19.1
9 28	0 41.90	+ 5 19.1	1.750	2.747	2.4	18.8
10 8	0 32.40	+ 4 29.1	1.741	2.737	2.1	18.7
10 18	0 23.33	+ 3 40.3	1.761	2.726	6.5	19.0
10 28	0 15.66	+ 2 58.8	1.809	2.715	10.5	19.2
11 7	0 10.10	+ 2 29.3	1.880	2.703	14.0	19.4

268832 2006 WL_{39} 10 3.1 266.°22 0.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.28	+ 6 10.1	1.588	2.444	15.6	21.3
9 8	0 56.96	+ 5 32.0	1.504	2.431	11.9	21.0
9 18	0 50.23	+ 4 38.1	1.442	2.417	7.4	20.7
9 28	0 41.74	+ 3 32.6	1.405	2.403	2.5	20.4
10 8	0 32.55	+ 2 22.9	1.394	2.390	2.7	20.4
10 18	0 23.82	+ 1 17.3	1.411	2.375	7.8	20.7
10 28	0 16.71	+ 0 23.7	1.452	2.361	12.4	20.9
11 7	0 12.04	− 0 12.3	1.515	2.347	16.4	21.1

14565 1998 EQ_{10} 10 3.1 32.°94 4.°0/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.59	− 2 2.6	1.034	1.930	19.0	17.0
9 8	0 58.37	− 2 42.4	0.995	1.943	14.1	16.7
9 18	0 51.13	− 3 29.8	0.974	1.957	8.7	16.5
9 28	0 41.98	− 4 15.6	0.975	1.972	4.3	16.3
10 8	0 32.46	− 4 50.1	0.999	1.988	6.0	16.5
10 18	0 24.12	− 5 6.3	1.047	2.004	10.9	16.8
10 28	0 18.20	− 5 0.3	1.116	2.022	15.6	17.1
11 7	0 15.36	− 4 32.3	1.203	2.040	19.5	17.4

364531 2007 FU_2 10 3.1 162.°96 3.°4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.99	− 7 35.5	2.710	3.565	9.9	21.1
9 8	0 56.32	− 8 6.3	2.645	3.570	7.4	20.9
9 18	0 49.25	− 8 37.0	2.604	3.574	5.0	20.8
9 28	0 41.28	− 9 3.6	2.593	3.578	3.5	20.7
10 8	0 33.06	− 9 22.1	2.610	3.581	4.5	20.7
10 18	0 25.27	− 9 29.8	2.658	3.584	6.8	20.9
10 28	0 18.53	− 9 24.8	2.732	3.587	9.3	21.1
11 7	0 13.30	− 9 6.8	2.830	3.589	11.5	21.2

349319 2007 UN_{103} 10 3.1 269.°15 2.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.61	− 0 27.8	1.870	2.733	13.3	21.2
9 8	0 56.72	− 0 59.5	1.798	2.729	9.9	21.0
9 18	0 49.81	− 1 37.9	1.748	2.725	6.1	20.8
9 28	0 41.54	− 2 18.2	1.724	2.721	2.6	20.5
10 8	0 32.80	− 2 54.5	1.728	2.717	3.8	20.6
10 18	0 24.57	− 3 21.5	1.760	2.713	7.6	20.8
10 28	0 17.77	− 3 35.1	1.818	2.709	11.3	21.1
11 7	0 13.04	− 3 33.1	1.898	2.705	14.6	21.3

36513 2000 QG_{73} 10 3.1 341.°01 0.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.46	+ 5 50.4	1.321	2.189	17.5	19.6
9 8	0 57.33	+ 5 6.3	1.255	2.188	13.2	19.4
9 18	0 50.51	+ 4 4.7	1.210	2.188	8.2	19.1
9 28	0 41.83	+ 2 51.6	1.188	2.187	2.7	18.8
10 8	0 32.53	+ 1 36.1	1.192	2.187	3.2	18.8
10 18	0 23.97	+ 0 27.9	1.221	2.186	8.6	19.1
10 28	0 17.36	− 0 24.2	1.273	2.186	13.5	19.4
11 7	0 13.49	− 0 55.4	1.347	2.186	17.7	19.7

350391 2012 VJ_{14} 10 3.1 299.°57 8.°4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.47	−15 14.0	1.615	2.491	14.4	20.1
9 8	0 58.59	−16 20.4	1.543	2.471	11.5	19.9
9 18	0 51.22	−17 22.2	1.494	2.451	9.2	19.7
9 28	0 42.08	−18 9.6	1.468	2.431	8.5	19.6
10 8	0 32.27	−18 34.0	1.468	2.411	10.1	19.7
10 18	0 23.02	−18 30.4	1.492	2.391	13.1	19.8
10 28	0 15.48	−17 57.2	1.538	2.372	16.3	20.0
11 7	0 10.46	−16 57.1	1.602	2.352	19.2	20.2

221494 2006 CJ_{48} 10 3.1 150.°82 0.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.71	+ 5 1.4	2.585	3.426	10.8	21.2
9 8	0 53.27	+ 4 25.8	2.511	3.430	8.1	21.0
9 18	0 47.43	+ 3 41.7	2.461	3.434	4.9	20.9
9 28	0 40.68	+ 2 52.2	2.439	3.438	1.6	20.6
10 8	0 33.64	+ 2 1.8	2.447	3.441	1.9	20.7
10 18	0 26.98	+ 1 14.8	2.484	3.445	5.2	20.9
10 28	0 21.31	+ 0 35.4	2.549	3.448	8.2	21.1
11 7	0 17.11	+ 0 6.6	2.640	3.451	10.8	21.3

394590 2007 VA_{171} 10 3.1 351.°63 0.°6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.17	+ 6 38.1	1.753	2.601	14.8	20.8
9 8	0 57.30	+ 6 34.0	1.679	2.599	11.2	20.6
9 18	0 50.25	+ 6 17.7	1.627	2.598	7.1	20.4
9 28	0 41.72	+ 5 52.0	1.600	2.598	2.7	20.1
10 8	0 32.67	+ 5 21.4	1.601	2.597	2.1	20.0
10 18	0 24.16	+ 4 51.4	1.629	2.597	6.6	20.3
10 28	0 17.19	+ 4 27.6	1.683	2.597	10.7	20.6
11 7	0 12.44	+ 4 14.1	1.760	2.596	14.3	20.8

126897 2002 EB_{107} 10 3.1 117.°16 3.°4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.86	− 5 15.4	2.261	3.124	11.3	19.5
9 8	0 55.74	− 5 52.9	2.199	3.129	8.4	19.4
9 18	0 49.00	− 6 32.3	2.161	3.135	5.4	19.2
9 28	0 41.23	− 7 8.8	2.151	3.141	3.4	19.1
10 8	0 33.17	− 7 37.4	2.169	3.146	4.6	19.2
10 18	0 25.60	− 7 54.4	2.215	3.151	7.4	19.4
10 28	0 19.25	− 7 57.3	2.288	3.156	10.3	19.6
11 7	0 14.62	− 7 45.3	2.384	3.162	12.8	19.7

220749 2004 TO_{69} 10 3.1 322.°75 2.°0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.66	+ 2 23.1	1.973	2.838	12.7	20.0
9 8	0 52.22	+ 1 16.2	1.896	2.830	9.4	19.8
9 18	0 47.01	− 0 1.7	1.843	2.822	5.7	19.5
9 28	0 40.59	− 1 24.7	1.817	2.815	2.3	19.3
10 8	0 33.74	− 2 45.6	1.818	2.807	3.6	19.4
10 18	0 27.30	− 3 57.2	1.847	2.800	7.3	19.6
10 28	0 22.09	− 4 53.6	1.903	2.794	10.9	19.8
11 7	0 18.68	− 5 31.2	1.980	2.787	14.1	20.0

485797 2012 DF_{29} 10 3.1 264.°55 1.°7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.91	+ 0 46.5	2.421	3.274	11.0	22.5
9 8	0 54.41	+ 0 5.2	2.328	3.255	8.2	22.3
9 18	0 48.29	− 0 43.4	2.259	3.235	5.1	22.0
9 28	0 41.03	− 1 35.4	2.217	3.215	2.1	21.8
10 8	0 33.31	− 2 25.7	2.205	3.194	3.1	21.8
10 18	0 25.86	− 3 9.4	2.222	3.173	6.4	22.0
10 28	0 19.43	− 3 42.1	2.266	3.152	9.7	22.2
11 7	0 14.59	− 4 1.1	2.334	3.131	12.5	22.4

291577 2006 FF_{42} 10 3.1 56.°89 0.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.39	+ 6 11.3	1.535	2.395	15.9	20.9
9 8	0 55.93	+ 5 21.9	1.488	2.416	11.8	20.7
9 18	0 49.31	+ 4 18.3	1.462	2.438	7.2	20.5
9 28	0 41.36	+ 3 6.5	1.461	2.460	2.4	20.2
10 8	0 33.15	+ 1 54.6	1.487	2.482	2.7	20.3
10 18	0 25.75	+ 0 50.5	1.539	2.504	7.3	20.7
10 28	0 20.07	+ 0 0.6	1.617	2.526	11.4	21.0
11 7	0 16.66	− 0 31.4	1.718	2.548	14.8	21.2

46005 2001 CR_7 10 3.1 77.°32 4.°8/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.05	− 5 41.1	1.721	2.596	13.7	18.4
9 8	0 56.19	− 7 0.7	1.679	2.616	10.2	18.3
9 18	0 49.37	− 8 22.4	1.661	2.636	6.7	18.1
9 28	0 41.37	− 9 38.0	1.670	2.656	4.9	18.0
10 8	0 33.15	−10 39.6	1.705	2.675	6.4	18.2
10 18	0 25.67	−11 21.7	1.767	2.695	9.5	18.4
10 28	0 19.78	−11 41.6	1.853	2.714	12.7	18.7
11 7	0 16.00	−11 39.4	1.960	2.734	15.4	18.9

304361 2006 SA_{335} 10 3.1 328.°74 2.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.32	− 0 20.9	1.749	2.617	13.9	20.4
9 8	0 55.91	− 0 53.0	1.676	2.611	10.3	20.2
9 18	0 49.40	− 1 32.4	1.626	2.605	6.4	19.9
9 28	0 41.45	− 2 14.0	1.602	2.599	2.7	19.7
10 8	0 33.00	− 2 51.6	1.605	2.594	3.9	19.8
10 18	0 25.07	− 3 19.4	1.634	2.589	7.9	20.0
10 28	0 18.62	− 3 32.9	1.689	2.584	11.8	20.2
11 7	0 14.32	− 3 29.9	1.766	2.580	15.2	20.4

328503 2009 PD_{15} 10 3.1 38.°79 0.°5/ 2.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.94	+ 5 52.5	1.102	1.982	19.3	20.6
9 8	0 57.03	+ 5 16.6	1.060	1.999	14.4	20.3
9 18	0 50.28	+ 4 23.2	1.037	2.016	8.9	20.1
9 28	0 41.73	+ 3 19.2	1.036	2.035	2.9	19.8
10 8	0 32.83	+ 2 14.4	1.059	2.054	3.2	19.9
10 18	0 25.01	+ 1 18.6	1.106	2.075	8.8	20.3
10 28	0 19.44	+ 0 39.6	1.175	2.095	13.7	20.6
11 7	0 16.76	+ 0 21.2	1.265	2.117	17.8	21.0

123944 2001 EU_{20} 10 3.1 303.°20 3.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.55	+13 32.2	2.128	2.942	13.7	19.2
9 8	0 55.91	+13 46.1	2.038	2.932	10.9	19.0
9 18	0 49.36	+13 45.6	1.969	2.922	7.7	18.7
9 28	0 41.45	+13 31.3	1.926	2.912	4.4	18.5
10 8	0 32.98	+13 5.5	1.911	2.902	3.1	18.4
10 18	0 24.86	+12 32.3	1.924	2.892	5.7	18.6
10 28	0 17.96	+11 57.2	1.964	2.883	9.1	18.8
11 7	0 12.96	+11 25.5	2.029	2.874	12.3	19.0

506075 2015 VU_5 10 3.1 1.°01 3.°8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.13	− 1 50.6	1.453	2.341	14.9	19.9
9 8	0 52.31	− 2 52.8	1.394	2.339	11.1	19.7
9 18	0 47.26	− 4 3.1	1.356	2.338	6.9	19.4
9 28	0 40.72	− 5 13.5	1.343	2.338	3.9	19.2
10 8	0 33.73	− 6 15.0	1.355	2.339	5.6	19.4
10 18	0 27.35	− 7 0.0	1.392	2.342	9.6	19.6
10 28	0 22.60	− 7 23.4	1.452	2.345	13.6	19.8
11 7	0 20.11	− 7 23.7	1.532	2.350	17.0	20.1

366186 2012 HE_{26} 10 3.1 25.°29 4.°5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.15	− 4 22.1	1.763	2.648	12.9	19.1
9 8	0 51.06	− 5 56.5	1.724	2.667	9.5	18.9
9 18	0 46.22	− 7 34.1	1.709	2.686	6.2	18.8
9 28	0 40.30	− 9 6.6	1.720	2.707	4.5	18.7
10 8	0 34.16	−10 25.6	1.757	2.728	6.2	18.9
10 18	0 28.64	−11 25.0	1.821	2.750	9.2	19.1
10 28	0 24.46	−12 1.4	1.909	2.773	12.2	19.4
11 7	0 22.12	−12 14.5	2.018	2.797	14.8	19.6

477596 2010 JE_{155} 10 3.1 224.°56 3.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.59	− 3 55.3	1.977	2.841	12.7	21.8
9 8	0 57.38	− 4 37.3	1.903	2.835	9.5	21.6
9 18	0 50.22	− 5 23.5	1.854	2.829	6.0	21.4
9 28	0 41.72	− 6 8.1	1.831	2.823	3.5	21.2
10 8	0 32.78	− 6 45.2	1.836	2.817	4.8	21.3
10 18	0 24.33	− 7 9.6	1.869	2.810	8.2	21.5
10 28	0 17.25	− 7 18.0	1.928	2.803	11.6	21.7
11 7	0 12.17	− 7 9.2	2.009	2.796	14.6	21.9

142923 2002 VF_{58} 10 3.1 287.°33 4.°6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.91	− 6 10.9	1.891	2.765	12.7	19.7
9 8	0 55.58	− 7 11.2	1.811	2.746	9.6	19.5
9 18	0 49.21	− 8 15.5	1.754	2.728	6.5	19.3
9 28	0 41.41	− 9 16.8	1.723	2.710	4.6	19.1
10 8	0 33.05	−10 7.6	1.719	2.691	6.2	19.2
10 18	0 25.08	−10 42.0	1.742	2.673	9.5	19.4
10 28	0 18.46	−10 56.0	1.790	2.654	12.9	19.5
11 7	0 13.87	−10 48.5	1.858	2.636	16.0	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
339270	2004 WH_6	10	3.1	346.°44	2.°7/ 4.8	18
	h m	° ′			°	m
8 29	0 57.49	+ 9 32.8	1.140	2.013	19.3	19.7
9 8	0 54.90	+ 9 57.0	1.068	2.000	15.1	19.4
9 18	0 49.34	+10 2.5	1.015	1.988	10.2	19.1
9 28	0 41.57	+ 9 50.0	0.982	1.977	4.9	18.8
10 8	0 32.87	+ 9 24.2	0.972	1.968	3.3	18.6
10 18	0 24.79	+ 8 52.1	0.985	1.961	8.3	18.9
10 28	0 18.78	+ 8 22.7	1.020	1.955	13.6	19.2
11 7	0 15.84	+ 8 3.9	1.075	1.952	18.3	19.5
133654	2003 UL_{167}	10	3.1	97.°06	1.°1/ 4.0	18
8 29	1 6.92	+ 7 22.7	1.904	2.736	14.4	19.5
9 8	1 0.53	+ 7 32.5	1.842	2.753	11.0	19.3
9 18	0 52.09	+ 7 31.2	1.803	2.769	7.0	19.1
9 28	0 42.34	+ 7 20.6	1.790	2.786	2.9	18.9
10 8	0 32.25	+ 7 4.5	1.806	2.802	2.0	18.9
10 18	0 22.83	+ 6 46.9	1.850	2.817	6.0	19.2
10 28	0 15.01	+ 6 32.6	1.923	2.833	9.8	19.4
11 7	0 9.37	+ 6 25.5	2.019	2.848	13.0	19.7
225688	2001 QQ_{88}	10	3.1	58.°69	0.°8/ 3.8	16
8 29	1 3.72	+ 8 17.1	1.325	2.182	18.0	20.6
9 8	0 58.72	+ 7 55.8	1.278	2.204	13.7	20.4
9 18	0 51.18	+ 7 16.9	1.252	2.225	8.6	20.2
9 28	0 42.03	+ 6 25.2	1.249	2.247	3.3	20.0
10 8	0 32.58	+ 5 28.4	1.272	2.269	2.4	20.0
10 18	0 24.11	+ 4 34.5	1.321	2.291	7.5	20.3
10 28	0 17.70	+ 3 51.3	1.394	2.313	12.1	20.7
11 7	0 13.97	+ 3 23.6	1.489	2.335	15.9	21.0
70456	1999 TZ_{20}	10	3.1	41.°82	1.°5/ 4.4	18
8 29	1 1.28	+ 9 35.3	1.485	2.335	16.8	18.9
9 8	0 56.84	+ 9 25.6	1.426	2.346	12.9	18.7
9 18	0 50.04	+ 8 58.7	1.388	2.358	8.4	18.5
9 28	0 41.67	+ 8 17.9	1.374	2.369	3.6	18.2
10 8	0 32.87	+ 7 29.1	1.385	2.381	2.4	18.2
10 18	0 24.82	+ 6 39.4	1.423	2.394	6.9	18.5
10 28	0 18.57	+ 5 56.4	1.486	2.407	11.3	18.8
11 7	0 14.77	+ 5 25.6	1.571	2.420	15.0	19.0
354348	2003 FL_{132}	10	3.1	115.°04	0.°9/ 2.1	18
8 29	0 59.23	+ 3 55.7	2.353	3.198	11.6	21.8
9 8	0 54.47	+ 3 12.4	2.289	3.212	8.6	21.6
9 18	0 48.20	+ 2 20.5	2.251	3.225	5.2	21.4
9 28	0 40.98	+ 1 24.3	2.240	3.238	1.7	21.2
10 8	0 33.52	+ 0 28.6	2.258	3.251	2.3	21.3
10 18	0 26.52	− 0 21.5	2.306	3.263	5.7	21.5
10 28	0 20.67	− 1 1.8	2.381	3.276	8.9	21.8
11 7	0 16.42	− 1 29.4	2.480	3.287	11.6	22.0
324838	2007 JB_{13}	10	3.1	180.°82	2.°6/ 6.8	18
8 29	0 56.45	+17 23.7	2.619	3.410	12.1	21.0
9 8	0 52.42	+16 41.4	2.532	3.411	9.6	20.8
9 18	0 46.97	+15 42.2	2.467	3.411	6.8	20.6
9 28	0 40.58	+14 28.1	2.429	3.411	4.0	20.5
10 8	0 33.89	+13 3.2	2.420	3.411	2.6	20.4
10 18	0 27.54	+11 33.0	2.441	3.410	4.6	20.5
10 28	0 22.20	+10 4.0	2.492	3.410	7.5	20.7
11 7	0 18.32	+ 8 42.0	2.569	3.409	10.2	20.9
282680	2005 WM_{179}	10	3.1	4.°09	0.°8/ 4.1	18
8 29	0 55.92	+10 27.5	1.860	2.703	14.3	19.8
9 8	0 52.51	+ 9 39.7	1.786	2.703	10.9	19.6
9 18	0 47.24	+ 8 34.7	1.734	2.703	7.0	19.4
9 28	0 40.71	+ 7 16.5	1.707	2.703	2.8	19.1
10 8	0 33.77	+ 5 51.7	1.708	2.704	1.9	19.1
10 18	0 27.31	+ 4 28.0	1.737	2.706	6.1	19.3
10 28	0 22.18	+ 3 13.1	1.792	2.708	10.0	19.6
11 7	0 18.96	+ 2 12.8	1.871	2.710	13.5	19.8
221865	2008 GV_{78}	10	3.2	161.°38	1.°3/ 1.9	17
8 29	1 3.42	+ 3 17.2	1.784	2.637	14.3	21.6
9 8	0 58.13	+ 2 34.2	1.715	2.642	10.7	21.4
9 18	0 50.72	+ 1 40.2	1.670	2.646	6.5	21.1
9 28	0 41.92	+ 0 40.4	1.652	2.650	2.3	20.9
10 8	0 32.68	− 0 18.3	1.661	2.653	3.1	20.9
10 18	0 24.05	− 1 9.3	1.698	2.656	7.4	21.2
10 28	0 16.97	− 1 47.2	1.762	2.658	11.3	21.5
11 7	0 12.09	− 2 8.5	1.848	2.660	14.7	21.7
357369	2003 SM_{182}	10	3.2	67.°64	1.°7/ 5.3	18
8 29	0 57.55	+14 1.7	2.165	2.981	13.4	20.6
9 8	0 53.32	+13 7.4	2.106	3.005	10.4	20.5
9 18	0 47.52	+11 56.4	2.071	3.030	6.9	20.3
9 28	0 40.76	+10 32.5	2.063	3.054	3.3	20.1
10 8	0 33.80	+ 9 1.6	2.083	3.078	2.0	20.1
10 18	0 27.40	+ 7 30.8	2.133	3.102	5.1	20.3
10 28	0 22.24	+ 6 6.8	2.211	3.127	8.4	20.6
11 7	0 18.78	+ 4 55.0	2.314	3.150	11.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
184261	2004 TW_{124}	10	3.2	80.°95	0.°5/ 3.8	18
	h m	° ′			°	m
8 29	0 58.14	+ 8 36.4	2.165	3.002	12.7	20.2
9 8	0 53.84	+ 8 1.3	2.097	3.012	9.6	20.0
9 18	0 47.91	+ 7 13.5	2.053	3.022	6.1	19.8
9 28	0 40.92	+ 6 16.6	2.035	3.032	2.3	19.6
10 8	0 33.63	+ 5 15.7	2.045	3.042	1.7	19.6
10 18	0 26.81	+ 4 16.4	2.085	3.051	5.5	19.9
10 28	0 21.20	+ 3 24.3	2.151	3.061	8.9	20.1
11 7	0 17.31	+ 2 43.5	2.243	3.071	11.9	20.3
195429	2002 GQ_{58}	10	3.2	172.°17	0.°8/ 2.4	18
8 29	1 2.98	+ 3 34.7	2.046	2.892	13.0	21.1
9 8	0 57.59	+ 3 7.7	1.972	2.894	9.7	20.9
9 18	0 50.31	+ 2 31.4	1.922	2.897	6.0	20.7
9 28	0 41.77	+ 1 49.7	1.900	2.898	2.0	20.4
10 8	0 32.83	+ 1 7.7	1.906	2.899	2.5	20.5
10 18	0 24.39	+ 0 30.5	1.940	2.900	6.4	20.7
10 28	0 17.31	+ 0 3.0	2.002	2.901	10.1	21.0
11 7	0 12.17	− 0 12.0	2.088	2.900	13.2	21.2
320332	2007 TH_{116}	10	3.2	22.°31	6.°7/29.5	17
8 29	1 2.40	− 6 59.0	0.892	1.800	20.0	19.1
9 8	0 58.64	− 7 42.2	0.856	1.809	15.1	18.9
9 18	0 51.51	− 8 26.1	0.838	1.819	10.0	18.7
9 28	0 42.22	− 8 59.4	0.840	1.831	6.8	18.5
10 8	0 32.53	− 9 12.2	0.863	1.844	8.6	18.7
10 18	0 24.15	− 8 58.9	0.908	1.859	13.1	19.0
10 28	0 18.47	− 8 18.8	0.972	1.875	17.7	19.3
11 7	0 16.14	− 7 15.1	1.053	1.892	21.6	19.6
509990	2009 US_{113}	10	3.2	9.°41	1.°1/ 2.3	18
8 29	1 1.36	+ 4 2.1	1.354	2.225	16.9	21.6
9 8	0 57.19	+ 3 31.3	1.290	2.225	12.7	21.3
9 18	0 50.42	+ 2 46.4	1.247	2.226	7.8	21.1
9 28	0 41.87	+ 1 53.2	1.228	2.227	2.6	20.8
10 8	0 32.75	+ 0 59.5	1.234	2.229	3.3	20.8
10 18	0 24.36	+ 0 13.4	1.266	2.231	8.5	21.1
10 28	0 17.88	− 0 18.0	1.321	2.233	13.2	21.4
11 7	0 14.05	− 0 31.0	1.397	2.236	17.2	21.7
33444	1999 FF_{19}	10	3.2	137.°63	1.°2/ 4.2	18
8 29	1 4.82	+10 20.8	1.679	2.513	16.0	19.4
9 8	0 59.27	+ 9 47.9	1.614	2.525	12.2	19.2
9 18	0 51.47	+ 8 57.4	1.570	2.537	7.9	19.0
9 28	0 42.18	+ 7 53.1	1.552	2.548	3.3	18.7
10 8	0 32.49	+ 6 41.6	1.562	2.558	2.2	18.7
10 18	0 23.50	+ 5 30.6	1.599	2.567	6.7	19.0
10 28	0 16.23	+ 4 28.0	1.664	2.576	10.9	19.2
11 7	0 11.32	+ 3 39.5	1.751	2.584	14.5	19.5
215144	1999 UV_{51}	10	3.2	6.°21	27.°0/27.6	18
8 29	1 16.97	−47 39.4	0.830	1.657	28.7	18.2
9 8	1 10.33	−48 17.5	0.818	1.656	27.8	18.1
9 18	0 58.67	−47 59.4	0.815	1.658	27.2	18.1
9 28	0 44.45	−46 31.0	0.823	1.663	27.0	18.1
10 8	0 30.78	−43 49.8	0.844	1.672	27.2	18.2
10 18	0 20.05	−40 4.9	0.878	1.683	28.0	18.3
10 28	0 13.59	−35 33.5	0.927	1.697	29.0	18.5
11 7	0 11.54	−30 35.9	0.990	1.713	30.1	18.7
199599	2006 FX_{23}	10	3.2	260.°40	1.°2/ 2.1	18
8 29	1 1.96	+ 2 47.9	1.822	2.679	13.9	20.9
9 8	0 57.18	+ 2 17.8	1.740	2.667	10.5	20.7
9 18	0 50.25	+ 1 37.4	1.680	2.656	6.5	20.4
9 28	0 41.81	+ 0 51.2	1.646	2.644	2.2	20.1
10 8	0 32.78	+ 0 5.0	1.639	2.632	3.0	20.2
10 18	0 24.20	− 0 35.1	1.661	2.620	7.4	20.4
10 28	0 17.04	− 1 3.4	1.708	2.608	11.4	20.6
11 7	0 12.04	− 1 16.6	1.778	2.596	15.0	20.9
398044	2009 FP_{15}	10	3.2	248.°24	1.°2/ 1.9	18
8 29	1 0.09	+ 3 19.6	2.064	2.916	12.7	22.3
9 8	0 55.54	+ 2 36.7	1.978	2.904	9.5	22.1
9 18	0 49.12	+ 1 43.3	1.916	2.891	5.8	21.9
9 28	0 41.40	+ 0 43.9	1.880	2.879	2.0	21.6
10 8	0 33.17	− 0 15.6	1.873	2.866	2.8	21.6
10 18	0 25.32	− 1 9.3	1.895	2.853	6.8	21.9
10 28	0 18.70	− 1 51.6	1.943	2.839	10.5	22.1
11 7	0 13.96	− 2 18.8	2.015	2.825	13.7	22.3
308487	2005 TV_{91}	10	3.2	30.°26	3.°7/ 5.7	18
8 29	1 3.18	+12 42.2	1.263	2.110	19.4	19.9
9 8	0 58.75	+13 6.0	1.204	2.118	15.3	19.7
9 18	0 51.47	+13 8.7	1.164	2.127	10.5	19.4
9 28	0 42.25	+12 50.8	1.147	2.136	5.7	19.2
10 8	0 32.43	+12 16.8	1.153	2.146	3.9	19.1
10 18	0 23.46	+11 34.2	1.184	2.157	7.7	19.4
10 28	0 16.64	+10 51.9	1.239	2.169	12.3	19.7
11 7	0 12.73	+10 17.8	1.316	2.180	16.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
516115 2015 UE_{48}			10 3.2	86.°69	5.°2/27.1	18
	h m	° ′			°	m
8 29	0 58.75	−10 36.9	2.274	3.144	11.0	21.1
9 8	0 54.21	−11 40.5	2.221	3.150	8.4	20.9
9 18	0 48.10	−12 42.5	2.191	3.157	6.1	20.8
9 28	0 40.99	−13 36.7	2.189	3.163	5.2	20.7
10 8	0 33.62	−14 17.8	2.215	3.169	6.4	20.8
10 18	0 26.74	−14 41.8	2.268	3.175	8.8	21.0
10 28	0 21.04	−14 46.8	2.345	3.181	11.3	21.2
11 7	0 17.01	−14 33.1	2.444	3.187	13.5	21.3
437884 2001 RA_{114}			10 3.2	3.°57	0.°1/ 3.0	18
8 29	1 0.11	+ 4 27.9	1.429	2.298	16.3	20.6
9 8	0 56.15	+ 4 26.2	1.364	2.297	12.3	20.3
9 18	0 49.74	+ 4 12.6	1.320	2.297	7.7	20.1
9 28	0 41.64	+ 3 50.7	1.299	2.298	2.6	19.8
10 8	0 32.99	+ 3 26.1	1.304	2.300	2.6	19.8
10 18	0 25.01	+ 3 4.7	1.335	2.304	7.6	20.1
10 28	0 18.81	+ 2 52.4	1.390	2.308	12.2	20.4
11 7	0 15.13	+ 2 52.9	1.466	2.313	16.0	20.6
478905 2012 WP_{27}			10 3.2	331.°45	3.°3/30.9	17
8 29	0 58.28	− 1 18.1	1.201	2.094	17.1	20.5
9 8	0 55.46	− 1 42.8	1.122	2.069	13.0	20.2
9 18	0 49.73	− 2 16.9	1.061	2.044	8.2	19.9
9 28	0 41.76	− 2 53.7	1.023	2.021	3.8	19.5
10 8	0 32.80	− 3 24.5	1.008	1.999	5.4	19.6
10 18	0 24.31	− 3 41.4	1.017	1.978	10.6	19.8
10 28	0 17.77	− 3 38.0	1.047	1.959	15.8	20.0
11 7	0 14.20	− 3 11.7	1.095	1.941	20.3	20.2
260450 2005 AX_5			10 3.2	335.°06	5.°4/29.9	18
8 29	0 57.88	− 3 41.2	0.956	1.864	19.0	19.3
9 8	0 55.62	− 4 25.4	0.891	1.846	14.4	19.0
9 18	0 50.02	− 5 18.5	0.844	1.828	9.3	18.7
9 28	0 41.89	− 6 10.3	0.817	1.812	5.5	18.4
10 8	0 32.74	− 6 49.0	0.812	1.798	7.6	18.5
10 18	0 24.30	− 7 4.4	0.827	1.785	13.0	18.7
10 28	0 18.26	− 6 50.8	0.862	1.774	18.3	19.0
11 7	0 15.63	− 6 7.9	0.912	1.764	23.0	19.2
295000 2008 EQ_{36}			10 3.2	225.°74	1.°8/ 1.5	18
8 29	1 2.46	+ 2 38.5	1.671	2.532	14.8	20.8
9 8	0 57.69	+ 1 47.9	1.595	2.525	11.1	20.5
9 18	0 50.62	+ 0 45.1	1.540	2.518	6.8	20.3
9 28	0 41.96	− 0 24.1	1.512	2.511	2.5	20.0
10 8	0 32.72	− 1 31.8	1.511	2.503	3.7	20.0
10 18	0 24.00	− 2 30.3	1.538	2.495	8.1	20.3
10 28	0 16.87	− 3 13.3	1.590	2.486	12.4	20.5
11 7	0 12.06	− 3 36.9	1.663	2.477	16.0	20.7
97782 2000 KJ_{73}			10 3.2	104.°13	3.°9/30.0	18
8 29	1 4.05	− 1 10.7	1.379	2.255	16.4	19.2
9 8	0 58.97	− 2 24.3	1.329	2.268	12.1	19.0
9 18	0 51.38	− 3 46.5	1.301	2.280	7.5	18.8
9 28	0 42.17	− 5 8.3	1.298	2.293	4.0	18.6
10 8	0 32.61	− 6 19.5	1.321	2.305	5.8	18.8
10 18	0 23.93	− 7 12.2	1.370	2.317	10.0	19.1
10 28	0 17.24	− 7 41.4	1.443	2.328	14.1	19.3
11 7	0 13.17	− 7 46.2	1.535	2.339	17.6	19.6
321473 2009 RB_{60}			10 3.2	167.°11	6.°3/11.2	18
8 29	0 58.74	+26 56.2	2.357	3.093	14.7	20.1
9 8	0 54.48	+27 4.0	2.269	3.093	12.6	20.0
9 18	0 48.43	+26 50.1	2.201	3.094	10.1	19.8
9 28	0 41.17	+26 13.4	2.156	3.094	7.8	19.7
10 8	0 33.47	+25 15.6	2.137	3.095	6.4	19.6
10 18	0 26.17	+24 0.8	2.145	3.095	6.7	19.6
10 28	0 20.07	+22 36.0	2.181	3.095	8.6	19.7
11 7	0 15.79	+21 8.8	2.243	3.095	11.0	19.9
371370 2006 QL_{40}			10 3.2	38.°36	5.°6/ 7.1	15
8 29	1 3.67	+16 34.2	1.197	2.033	20.9	20.3
9 8	0 59.30	+17 7.6	1.141	2.043	16.8	20.0
9 18	0 51.90	+17 14.9	1.102	2.055	12.2	19.8
9 28	0 42.43	+16 55.3	1.085	2.066	7.7	19.6
10 8	0 32.34	+16 13.0	1.091	2.079	5.6	19.5
10 18	0 23.18	+15 16.0	1.121	2.092	8.3	19.7
10 28	0 16.31	+14 15.2	1.174	2.105	12.6	20.0
11 7	0 12.54	+13 21.0	1.248	2.119	16.7	20.3
437003 2012 TP_{232}			10 3.2	49.°24	4.°8/ 6.6	18
8 29	1 6.53	+14 54.7	1.435	2.259	18.6	19.9
9 8	1 0.95	+15 37.4	1.378	2.276	14.9	19.7
9 18	0 52.70	+15 59.7	1.342	2.293	10.6	19.5
9 28	0 42.67	+16 0.9	1.328	2.310	6.5	19.3
10 8	0 32.15	+15 43.8	1.340	2.328	4.8	19.3
10 18	0 22.49	+15 13.9	1.378	2.346	7.5	19.5
10 28	0 14.90	+14 39.3	1.440	2.365	11.4	19.8
11 7	0 10.08	+14 7.7	1.526	2.383	15.0	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
405733 2005 YR_{13}			10 3.2	249.°02	4.°0/ 7.7	18
	h m	° ′			°	m
8 29	0 59.40	+18 22.1	2.356	3.142	13.4	21.2
9 8	0 54.90	+18 28.5	2.267	3.138	10.9	21.0
9 18	0 48.68	+18 18.2	2.200	3.135	8.1	20.9
9 28	0 41.27	+17 51.5	2.158	3.131	5.3	20.7
10 8	0 33.40	+17 10.7	2.144	3.127	4.0	20.6
10 18	0 25.89	+16 19.9	2.158	3.123	5.5	20.7
10 28	0 19.51	+15 24.7	2.200	3.119	8.3	20.9
11 7	0 14.85	+14 31.3	2.267	3.115	11.1	21.0
13342 1998 SF_{127}			10 3.2	236.°52	3.°0/30.0	18
8 29	1 1.34	− 4 47.7	2.329	3.189	11.2	18.1
9 8	0 56.17	− 5 15.1	2.257	3.186	8.3	18.0
9 18	0 49.36	− 5 44.7	2.210	3.184	5.3	17.8
9 28	0 41.48	− 6 12.0	2.190	3.182	3.1	17.6
10 8	0 33.25	− 6 32.6	2.199	3.179	4.2	17.7
10 18	0 25.46	− 6 42.9	2.237	3.177	7.1	17.9
10 28	0 18.82	− 6 40.4	2.301	3.174	10.1	18.1
11 7	0 13.89	− 6 24.3	2.388	3.171	12.7	18.2
20526 Bathompson			10 3.2	89.°99	0.°1/ 3.3	18
8 29	1 3.00	+ 8 26.9	1.428	2.281	17.2	18.8
9 8	0 58.14	+ 7 36.7	1.374	2.298	13.0	18.6
9 18	0 50.84	+ 6 28.1	1.342	2.315	8.1	18.3
9 28	0 42.00	+ 5 7.3	1.334	2.332	2.8	18.1
10 8	0 32.81	+ 3 43.0	1.352	2.348	2.5	18.1
10 18	0 24.48	+ 2 24.6	1.397	2.364	7.6	18.4
10 28	0 18.06	+ 1 20.5	1.468	2.380	12.1	18.7
11 7	0 14.17	+ 0 35.7	1.560	2.396	15.8	19.0
16544 Hochlehnert			10 3.2	29.°19	2.°1/ 5.3	18
8 29	0 58.54	+12 38.1	1.831	2.661	15.0	18.3
9 8	0 54.53	+12 18.1	1.758	2.665	11.7	18.1
9 18	0 48.55	+11 40.5	1.707	2.669	7.9	17.8
9 28	0 41.23	+10 47.7	1.681	2.673	3.9	17.6
10 8	0 33.49	+ 9 44.9	1.682	2.677	2.4	17.5
10 18	0 26.26	+ 8 38.8	1.710	2.682	6.0	17.8
10 28	0 20.45	+ 7 36.6	1.765	2.687	9.8	18.0
11 7	0 16.68	+ 6 44.6	1.844	2.692	13.2	18.2
450367 2005 CX_5			10 3.2	315.°44	12.°6/11.5	16
8 29	1 9.29	+34 32.5	2.067	2.742	18.2	21.1
9 8	1 3.73	+36 34.8	1.952	2.708	16.6	20.9
9 18	0 55.11	+38 18.8	1.856	2.675	15.0	20.7
9 28	0 43.82	+39 36.6	1.780	2.642	13.5	20.5
10 8	0 30.79	+40 21.8	1.727	2.609	12.7	20.4
10 18	0 17.45	+40 31.7	1.697	2.577	12.8	20.4
10 28	0 5.44	+40 8.9	1.690	2.545	14.0	20.4
11 7	23 56.16	+39 22.1	1.705	2.513	15.9	20.4
121728 1999 XV_{160}			10 3.2	292.°87	4.°5/ 8.1	18
8 29	0 58.29	+19 41.3	2.236	3.021	14.0	19.7
9 8	0 54.30	+19 44.9	2.132	3.001	11.6	19.5
9 18	0 48.45	+19 29.9	2.049	2.981	8.7	19.3
9 28	0 41.24	+18 55.8	1.990	2.960	5.9	19.1
10 8	0 33.43	+18 4.6	1.959	2.940	4.5	19.0
10 18	0 25.87	+17 0.9	1.955	2.920	5.9	19.1
10 28	0 19.45	+15 51.0	1.978	2.899	8.9	19.2
11 7	0 14.84	+14 42.3	2.026	2.879	12.0	19.4
51001 2000 GL_{98}			10 3.2	340.°81	3.°0/ 6.0	18
8 29	0 59.12	+14 11.1	1.734	2.561	15.8	18.1
9 8	0 55.18	+14 5.4	1.655	2.557	12.5	17.9
9 18	0 49.08	+13 40.4	1.596	2.553	8.7	17.6
9 28	0 41.45	+12 57.5	1.562	2.550	4.8	17.4
10 8	0 33.27	+12 1.1	1.554	2.547	3.2	17.3
10 18	0 25.58	+10 57.8	1.573	2.545	6.3	17.5
10 28	0 19.39	+ 9 55.5	1.618	2.543	10.3	17.7
11 7	0 15.39	+ 9 1.3	1.686	2.541	13.9	18.0
397589 2007 VV_8			10 3.2	315.°80	12.°4/14.8	16
8 29	0 58.30	+33 32.7	1.088	1.858	26.6	20.6
9 8	0 56.14	+33 57.7	1.016	1.853	23.6	20.4
9 18	0 50.45	+33 35.1	0.955	1.848	20.0	20.1
9 28	0 42.09	+32 16.5	0.910	1.843	16.1	19.9
10 8	0 32.65	+30 1.3	0.883	1.839	13.1	19.7
10 18	0 24.05	+26 59.1	0.878	1.835	12.6	19.7
10 28	0 18.07	+23 31.1	0.896	1.831	15.0	19.8
11 7	0 15.73	+20 2.8	0.934	1.828	18.8	20.0
417930 2007 RW_{290}			10 3.2	307.°48	2.°1/30.8	17
8 29	0 58.85	− 2 13.0	2.569	3.426	10.4	20.9
9 8	0 54.21	− 2 36.6	2.492	3.421	7.7	20.7
9 18	0 48.11	− 3 3.7	2.440	3.416	4.8	20.5
9 28	0 41.05	− 3 30.8	2.416	3.411	2.3	20.3
10 8	0 33.67	− 3 54.0	2.421	3.407	3.2	20.4
10 18	0 26.64	− 4 9.8	2.455	3.402	6.1	20.6
10 28	0 20.61	− 4 15.4	2.516	3.398	9.0	20.8
11 7	0 16.07	− 4 9.4	2.601	3.393	11.5	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
99558	2002 EW_{146}		10	3.2	45.°93	4.°5/ 7.0 18
	h m	° ′			°	m
8 29	1 1.91	+16 37.3	1.489	2.311	18.2	18.8
9 8	0 57.45	+16 49.9	1.428	2.323	14.6	18.6
9 18	0 50.52	+16 39.6	1.386	2.335	10.5	18.4
9 28	0 41.94	+16 7.0	1.367	2.348	6.4	18.2
10 8	0 32.87	+15 16.3	1.373	2.362	4.6	18.2
10 18	0 24.55	+14 14.9	1.405	2.375	7.1	18.3
10 28	0 18.08	+13 11.8	1.462	2.389	11.0	18.6
11 7	0 14.16	+12 15.5	1.542	2.403	14.6	18.9
383121	2005 TP_{11}		10	3.2	293.°64	0.°0/ 3.1 18
8 29	0 59.35	+ 7 45.8	1.531	2.388	16.1	21.6
9 8	0 55.75	+ 7 6.3	1.440	2.366	12.3	21.3
9 18	0 49.68	+ 6 7.8	1.369	2.344	7.8	21.0
9 28	0 41.74	+ 4 54.3	1.323	2.322	2.8	20.6
10 8	0 32.97	+ 3 33.3	1.303	2.299	2.6	20.6
10 18	0 24.57	+ 2 13.9	1.310	2.277	7.9	20.8
10 28	0 17.75	+ 1 5.7	1.341	2.255	12.8	21.1
11 7	0 13.41	+ 0 15.8	1.393	2.234	17.1	21.3
103366	2000 AQ_{104}		10	3.2	303.°89	8.°2/23.3 18
8 29	0 58.94	−19 5.0	2.116	2.984	11.8	19.4
9 8	0 54.64	−20 29.8	2.061	2.976	9.8	19.3
9 18	0 48.52	−21 47.4	2.030	2.968	8.4	19.2
9 28	0 41.22	−22 49.8	2.024	2.960	8.4	19.2
10 8	0 33.54	−23 30.6	2.044	2.953	9.7	19.2
10 18	0 26.35	−23 46.0	2.088	2.945	11.7	19.4
10 28	0 20.45	−23 35.1	2.154	2.938	13.9	19.5
11 7	0 16.42	−23 0.1	2.239	2.931	15.9	19.7
398753	2013 AG_{39}		10	3.2	198.°87	1.°7/29.6 18
8 29	0 51.57	− 3 55.9	4.569	5.424	6.2	21.4
9 8	0 48.26	− 4 31.2	4.495	5.423	4.6	21.2
9 18	0 44.20	− 5 8.0	4.447	5.421	2.9	21.1
9 28	0 39.68	− 5 44.0	4.429	5.420	1.7	21.0
10 8	0 35.00	− 6 16.9	4.441	5.419	2.4	21.1
10 18	0 30.50	− 6 44.5	4.483	5.418	4.0	21.2
10 28	0 26.50	− 7 5.1	4.553	5.416	5.7	21.3
11 7	0 23.26	− 7 17.6	4.649	5.415	7.2	21.4
246653	2008 YM_{33}		10	3.2	287.°80	0.°8/ 2.4 18
8 29	0 59.66	+ 4 47.7	1.751	2.609	14.3	20.8
9 8	0 55.49	+ 4 6.3	1.675	2.604	10.8	20.6
9 18	0 49.22	+ 3 11.8	1.622	2.598	6.6	20.3
9 28	0 41.51	+ 2 9.3	1.594	2.593	2.2	20.0
10 8	0 33.29	+ 1 5.5	1.593	2.587	2.8	20.1
10 18	0 25.55	+ 0 7.4	1.620	2.582	7.2	20.3
10 28	0 19.27	− 0 38.4	1.672	2.577	11.3	20.6
11 7	0 15.13	− 1 7.8	1.747	2.572	14.9	20.8
211259	2002 RW_{14}		10	3.2	344.°98	0.°4/ 3.5 18
8 29	0 56.52	+ 6 32.7	1.278	2.154	17.4	19.4
9 8	0 53.88	+ 6 25.1	1.204	2.140	13.3	19.1
9 18	0 48.59	+ 6 1.1	1.150	2.127	8.5	18.8
9 28	0 41.38	+ 5 24.2	1.118	2.116	3.1	18.5
10 8	0 33.39	+ 4 40.9	1.110	2.106	2.6	18.4
10 18	0 25.96	+ 3 59.2	1.126	2.098	8.1	18.7
10 28	0 20.37	+ 3 27.2	1.165	2.091	13.2	19.0
11 7	0 17.48	+ 3 10.8	1.224	2.086	17.6	19.3
21330	Alanwhitman		10	3.2	14.°49	3.°1/ 5.7 18
8 29	1 0.62	+13 8.9	1.509	2.347	17.2	18.2
9 8	0 56.53	+13 12.3	1.440	2.348	13.6	17.9
9 18	0 50.01	+12 55.7	1.390	2.351	9.4	17.7
9 28	0 41.81	+12 20.6	1.364	2.354	5.0	17.5
10 8	0 33.03	+11 31.8	1.363	2.357	3.3	17.4
10 18	0 24.88	+10 36.2	1.388	2.361	6.9	17.6
10 28	0 18.47	+ 9 42.3	1.439	2.365	11.2	17.9
11 7	0 14.56	+ 8 57.5	1.511	2.370	15.0	18.1
181378	2006 SA_{15}		10	3.2	3.°36	2.°3/ 4.9 17
8 29	1 0.54	+11 7.4	1.225	2.084	19.1	20.2
9 8	0 56.94	+11 2.1	1.160	2.083	14.9	19.9
9 18	0 50.48	+10 34.6	1.113	2.083	10.0	19.7
9 28	0 42.01	+ 9 47.5	1.089	2.083	4.7	19.4
10 8	0 32.84	+ 8 47.6	1.088	2.084	3.0	19.3
10 18	0 24.42	+ 7 43.9	1.112	2.086	7.9	19.6
10 28	0 18.07	+ 6 46.8	1.159	2.088	13.0	19.9
11 7	0 14.63	+ 6 4.1	1.227	2.091	17.4	20.2
439544	2014 DT_5		10	3.2	93.°68	6.°5/ 9.5 18
8 29	1 3.82	+23 2.4	1.869	2.638	16.9	20.5
9 8	0 58.61	+23 32.2	1.798	2.650	14.2	20.3
9 18	0 51.16	+23 39.3	1.746	2.661	11.1	20.1
9 28	0 42.18	+23 22.0	1.717	2.672	8.1	20.0
10 8	0 32.70	+22 42.3	1.714	2.683	6.5	19.9
10 18	0 23.80	+21 45.0	1.737	2.694	7.4	20.0
10 28	0 16.52	+20 38.0	1.787	2.704	10.0	20.2
11 7	0 11.54	+19 30.1	1.861	2.715	12.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
226404	2003 QV_{60}		10	3.2	17.°92	1.°1/ 3.9 18
	h m	° ′			°	m
8 29	1 5.37	+ 5 17.6	1.639	2.489	15.5	18.9
9 8	0 59.78	+ 5 55.2	1.576	2.497	11.8	18.7
9 18	0 51.87	+ 6 23.5	1.535	2.506	7.6	18.5
9 28	0 42.42	+ 6 43.6	1.520	2.517	3.0	18.2
10 8	0 32.51	+ 6 58.1	1.532	2.528	2.2	18.2
10 18	0 23.30	+ 7 10.1	1.571	2.540	6.6	18.5
10 28	0 15.82	+ 7 23.8	1.636	2.553	10.7	18.8
11 7	0 10.75	+ 7 42.3	1.724	2.566	14.2	19.0
326826	2003 UT_1		10	3.2	269.°19	3.°8/29.0 18
8 29	0 59.73	− 6 47.0	2.332	3.197	11.0	20.4
9 8	0 55.00	− 7 28.7	2.263	3.194	8.2	20.3
9 18	0 48.67	− 8 11.5	2.218	3.190	5.5	20.1
9 28	0 41.28	− 8 50.5	2.201	3.187	3.8	20.0
10 8	0 33.57	− 9 20.7	2.211	3.184	5.0	20.1
10 18	0 26.27	− 9 38.3	2.250	3.180	7.7	20.2
10 28	0 20.10	− 9 40.7	2.315	3.177	10.5	20.4
11 7	0 15.59	− 9 27.4	2.402	3.173	13.0	20.6
290390	2005 TM_8		10	3.2	69.°27	0.°7/ 2.5 18
8 29	0 59.04	+ 4 47.7	1.997	2.849	13.1	20.8
9 8	0 54.67	+ 4 9.1	1.932	2.857	9.8	20.6
9 18	0 48.52	+ 3 19.9	1.891	2.866	6.0	20.4
9 28	0 41.24	+ 2 24.5	1.876	2.875	2.0	20.2
10 8	0 33.62	+ 1 28.6	1.889	2.884	2.4	20.2
10 18	0 26.53	+ 0 37.9	1.931	2.893	6.3	20.5
10 28	0 20.75	− 0 2.2	1.999	2.901	9.9	20.8
11 7	0 16.81	− 0 28.6	2.090	2.910	12.9	21.0
395692	2012 AF_1		10	3.2	261.°45	2.°8/27.2 18
8 29	0 51.71	−10 11.3	4.524	5.384	6.1	21.3
9 8	0 48.40	−10 53.8	4.451	5.376	4.7	21.2
9 18	0 44.32	−11 35.6	4.404	5.368	3.3	21.1
9 28	0 39.74	−12 14.1	4.387	5.360	2.8	21.1
10 8	0 35.00	−12 46.8	4.399	5.352	3.5	21.1
10 18	0 30.43	−13 11.5	4.440	5.344	4.9	21.2
10 28	0 26.37	−13 26.8	4.508	5.336	6.4	21.3
11 7	0 23.09	−13 31.9	4.600	5.328	7.8	21.4
513189	2005 GD_{45}		10	3.2	147.°64	1.°7/ 5.3 18
8 29	1 0.02	+13 7.8	2.323	3.135	12.8	22.2
9 8	0 55.23	+12 33.6	2.247	3.143	9.9	22.0
9 18	0 48.81	+11 44.1	2.194	3.152	6.7	21.8
9 28	0 41.33	+10 42.0	2.168	3.159	3.3	21.6
10 8	0 33.54	+ 9 31.9	2.172	3.166	2.0	21.5
10 18	0 26.20	+ 8 19.4	2.204	3.173	5.0	21.7
10 28	0 20.03	+ 7 10.7	2.266	3.179	8.3	22.0
11 7	0 15.55	+ 6 11.2	2.353	3.185	11.3	22.2
246570	2008 TK_{21}		10	3.2	295.°47	0.°5/ 3.6 18
8 29	1 0.02	+ 7 50.3	1.635	2.487	15.5	20.8
9 8	0 56.05	+ 7 25.1	1.550	2.473	11.9	20.5
9 18	0 49.75	+ 6 43.8	1.486	2.459	7.6	20.3
9 28	0 41.77	+ 5 49.7	1.447	2.445	2.8	19.9
10 8	0 33.10	+ 4 49.0	1.434	2.431	2.3	19.9
10 18	0 24.86	+ 3 49.1	1.448	2.417	7.2	20.1
10 28	0 18.16	+ 2 57.7	1.488	2.403	11.7	20.4
11 7	0 13.78	+ 2 20.9	1.549	2.390	15.7	20.6
447091	2004 TN_{67}		10	3.2	18.°86	9.°7/26.6 18
8 29	1 4.63	−19 33.3	1.474	2.350	15.5	19.1
9 8	0 59.25	−20 15.0	1.439	2.360	12.7	18.9
9 18	0 51.47	−20 43.8	1.424	2.372	10.4	18.8
9 28	0 42.24	−20 51.1	1.432	2.385	9.7	18.8
10 8	0 32.83	−20 31.6	1.465	2.399	10.9	18.9
10 18	0 24.43	−19 44.3	1.520	2.413	13.2	19.1
10 28	0 18.03	−18 31.4	1.598	2.429	15.9	19.3
11 7	0 14.18	−16 57.9	1.694	2.446	18.2	19.5
261734	2006 AQ_{74}		10	3.2	234.°67	5.°9/25.1 17
8 29	1 2.13	−18 23.0	3.038	3.885	9.2	21.7
9 8	0 56.51	−19 13.4	2.964	3.870	7.5	21.5
9 18	0 49.51	−19 58.4	2.916	3.854	6.2	21.4
9 28	0 41.58	−20 33.3	2.896	3.837	5.9	21.4
10 8	0 33.34	−20 53.7	2.904	3.820	6.9	21.4
10 18	0 25.42	−20 57.3	2.940	3.802	8.6	21.5
10 28	0 18.44	−20 43.0	3.001	3.784	10.4	21.6
11 7	0 12.87	−20 11.7	3.084	3.766	12.1	21.8
424198	2007 LX_{37}		10	3.2	68.°47	1.°1/ 4.0 16
8 29	1 8.90	+ 7 16.9	1.597	2.437	16.4	20.5
9 8	1 2.22	+ 7 27.9	1.550	2.465	12.4	20.4
9 18	0 53.23	+ 7 25.8	1.525	2.493	7.9	20.2
9 28	0 42.85	+ 7 13.3	1.525	2.522	3.2	19.9
10 8	0 32.26	+ 6 54.7	1.553	2.550	2.2	19.9
10 18	0 22.60	+ 6 35.2	1.609	2.577	6.6	20.3
10 28	0 14.88	+ 6 20.1	1.692	2.605	10.7	20.6
11 7	0 9.67	+ 6 13.4	1.797	2.632	14.1	20.9

516061 2015 TK_{194} 10 3.2 89.°76 4.°9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.61	+20 41.0	2.145	2.923	14.8	20.6
9 8	0 55.94	+20 52.2	2.068	2.930	12.2	20.4
9 18	0 49.39	+20 43.9	2.011	2.937	9.2	20.3
9 28	0 41.58	+20 16.1	1.979	2.944	6.4	20.1
10 8	0 33.35	+19 31.1	1.974	2.951	4.9	20.0
10 18	0 25.58	+18 33.7	1.996	2.958	6.1	20.1
10 28	0 19.12	+17 30.4	2.046	2.965	8.8	20.3
11 7	0 14.59	+16 28.3	2.120	2.972	11.6	20.5

21365 1997 JS_7 10 3.2 161.°27 2.°0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.24	+ 2 20.3	2.095	2.950	12.4	18.8
9 8	0 54.78	+ 1 5.6	2.026	2.954	9.2	18.6
9 18	0 48.60	− 0 19.0	1.981	2.958	5.6	18.4
9 28	0 41.29	− 1 47.6	1.965	2.962	2.3	18.2
10 8	0 33.64	− 3 13.1	1.977	2.965	3.5	18.3
10 18	0 26.46	− 4 28.4	2.018	2.968	7.1	18.5
10 28	0 20.52	− 5 28.3	2.086	2.970	10.5	18.7
11 7	0 16.37	− 6 9.5	2.178	2.972	13.4	18.9

472400 2015 BW_{193} 10 3.2 136.°44 5.°3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.98	− 5 29.1	1.540	2.417	14.9	21.7
9 8	0 58.09	− 6 47.5	1.485	2.423	11.1	21.5
9 18	0 50.86	− 8 10.0	1.452	2.428	7.4	21.3
9 28	0 42.10	− 9 27.5	1.445	2.432	5.3	21.2
10 8	0 32.92	−10 30.8	1.464	2.437	7.0	21.3
10 18	0 24.47	−11 12.9	1.510	2.441	10.6	21.5
10 28	0 17.79	−11 30.3	1.578	2.445	14.2	21.7
11 7	0 13.53	−11 23.0	1.666	2.449	17.3	22.0

25915 Charlesmcguire 10 3.2 72.°46 2.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.83	+10 18.9	1.698	2.528	16.0	17.5
9 8	1 0.74	+10 37.2	1.641	2.547	12.4	17.3
9 18	0 52.40	+10 40.8	1.605	2.567	8.2	17.1
9 28	0 42.61	+10 31.1	1.594	2.586	4.0	16.9
10 8	0 32.46	+10 11.6	1.611	2.605	2.7	16.9
10 18	0 23.08	+ 9 47.4	1.655	2.624	6.4	17.2
10 28	0 15.46	+ 9 24.4	1.726	2.643	10.3	17.5
11 7	0 10.23	+ 9 7.5	1.821	2.662	13.6	17.7

516046 2015 TL_{136} 10 3.2 69.°60 5.°1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.41	− 8 59.4	2.139	3.011	11.5	21.2
9 8	0 54.02	−10 14.9	2.095	3.027	8.7	21.0
9 18	0 48.04	−11 29.7	2.075	3.043	6.1	20.9
9 28	0 41.07	−12 37.0	2.082	3.059	5.1	20.8
10 8	0 33.89	−13 30.6	2.118	3.075	6.4	21.0
10 18	0 27.26	−14 6.3	2.180	3.091	8.9	21.1
10 28	0 21.87	−14 22.0	2.266	3.107	11.4	21.3
11 7	0 18.19	−14 17.8	2.374	3.123	13.7	21.5

512684 2016 TN_{96} 10 3.2 277.°76 5.°0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.55	− 5 16.3	1.771	2.649	13.2	20.6
9 8	0 54.68	− 6 46.8	1.699	2.638	9.9	20.4
9 18	0 48.75	− 8 23.4	1.652	2.627	6.7	20.2
9 28	0 41.40	− 9 57.5	1.630	2.616	5.0	20.1
10 8	0 33.53	−11 19.7	1.636	2.604	6.8	20.2
10 18	0 26.12	−12 22.4	1.667	2.593	10.2	20.3
10 28	0 20.12	−13 0.9	1.723	2.582	13.6	20.5
11 7	0 16.20	−13 13.8	1.799	2.571	16.6	20.7

369472 2010 TH_{23} 10 3.2 339.°76 0.°4/ 2.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.11	+ 5 31.4	1.092	1.976	19.1	21.2
9 8	0 56.19	+ 5 9.3	1.026	1.967	14.6	20.9
9 18	0 50.22	+ 4 28.5	0.978	1.958	9.2	20.6
9 28	0 42.02	+ 3 34.5	0.951	1.950	3.1	20.3
10 8	0 32.96	+ 2 36.0	0.947	1.943	3.3	20.2
10 18	0 24.61	+ 1 43.3	0.967	1.938	9.4	20.6
10 28	0 18.45	+ 1 5.9	1.008	1.933	14.9	20.9
11 7	0 15.41	+ 0 49.5	1.068	1.929	19.6	21.2

320074 2007 EL_{51} 10 3.2 235.°47 0.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.53	+ 4 33.8	2.552	3.393	10.9	21.4
9 8	0 54.07	+ 3 58.4	2.463	3.383	8.2	21.2
9 18	0 48.12	+ 3 14.0	2.400	3.373	5.0	21.0
9 28	0 41.14	+ 2 23.9	2.364	3.362	1.7	20.7
10 8	0 33.79	+ 1 32.6	2.357	3.351	2.0	20.7
10 18	0 26.73	+ 0 44.6	2.380	3.340	5.4	20.9
10 28	0 20.65	+ 0 4.4	2.431	3.329	8.6	21.1
11 7	0 16.07	− 0 24.7	2.507	3.317	11.4	21.3

462237 2008 BO_{53} 10 3.2 182.°83 0.°7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.67	+ 2 58.8	3.640	4.480	8.0	22.2
9 8	0 50.74	+ 2 26.6	3.560	4.480	5.9	22.1
9 18	0 45.84	+ 1 49.2	3.506	4.480	3.6	21.9
9 28	0 40.31	+ 1 9.2	3.481	4.479	1.2	21.7
10 8	0 34.58	+ 0 29.3	3.486	4.479	1.6	21.8
10 18	0 29.07	− 0 7.5	3.521	4.478	4.0	22.0
10 28	0 24.23	− 0 38.5	3.586	4.477	6.3	22.1
11 7	0 20.39	− 1 1.6	3.676	4.476	8.3	22.3

381063 2006 XF_{58} 10 3.2 234.°58 0.°8/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.13	+ 1 59.8	3.731	4.572	7.8	22.6
9 8	0 51.10	+ 1 32.6	3.641	4.561	5.8	22.5
9 18	0 46.07	+ 1 0.8	3.577	4.550	3.5	22.3
9 28	0 40.40	+ 0 26.7	3.541	4.539	1.3	22.1
10 8	0 34.49	− 0 7.1	3.536	4.528	1.7	22.1
10 18	0 28.77	− 0 37.8	3.562	4.517	4.1	22.3
10 28	0 23.68	− 1 2.7	3.616	4.505	6.3	22.4
11 7	0 19.58	− 1 20.1	3.697	4.493	8.3	22.6

474579 2004 FA_{116} 10 3.2 227.°05 3.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.96	− 5 52.3	2.355	3.208	11.3	21.8
9 8	0 58.95	− 6 17.7	2.273	3.198	8.5	21.6
9 18	0 51.18	− 6 44.4	2.216	3.188	5.5	21.4
9 28	0 42.21	− 7 8.2	2.188	3.178	3.4	21.2
10 8	0 32.82	− 7 24.3	2.189	3.166	4.5	21.3
10 18	0 23.82	− 7 29.5	2.219	3.155	7.4	21.5
10 28	0 16.02	− 7 21.3	2.276	3.143	10.4	21.6
11 7	0 10.00	− 6 59.1	2.357	3.130	13.1	21.8

34884 2001 UR_{119} 10 3.2 140.°43 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.45	+ 6 57.0	1.534	2.383	16.4	18.6
9 8	0 59.99	+ 6 22.9	1.470	2.392	12.4	18.4
9 18	0 52.09	+ 5 33.1	1.428	2.401	7.8	18.1
9 28	0 42.55	+ 4 32.3	1.411	2.409	2.7	17.8
10 8	0 32.54	+ 3 28.0	1.420	2.416	2.5	17.9
10 18	0 23.28	+ 2 28.1	1.457	2.423	7.5	18.2
10 28	0 15.86	+ 1 39.8	1.520	2.429	12.0	18.5
11 7	0 10.98	+ 1 7.9	1.605	2.435	15.7	18.7

28999 2505 P–L 10 3.2 328.°66 0.°6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.89	+ 5 28.6	1.273	2.142	17.9	17.9
9 8	0 58.83	+ 5 42.9	1.196	2.128	13.8	17.6
9 18	0 51.81	+ 5 44.0	1.139	2.115	8.9	17.3
9 28	0 42.58	+ 5 34.4	1.104	2.102	3.3	17.0
10 8	0 32.42	+ 5 18.8	1.093	2.090	2.7	16.9
10 18	0 22.81	+ 5 3.3	1.107	2.079	8.4	17.2
10 28	0 15.21	+ 4 54.8	1.145	2.069	13.7	17.5
11 7	0 10.59	+ 4 58.4	1.202	2.059	18.2	17.7

126833 2002 EZ_{62} 10 3.2 77.°87 0.°5/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.93	+ 6 5.3	1.717	2.566	15.0	21.0
9 8	0 57.63	+ 5 16.1	1.671	2.594	11.1	20.8
9 18	0 50.34	+ 4 14.2	1.648	2.622	6.8	20.6
9 28	0 41.87	+ 3 5.3	1.651	2.650	2.2	20.4
10 8	0 33.22	+ 1 56.6	1.682	2.677	2.5	20.4
10 18	0 25.35	+ 0 55.0	1.741	2.704	6.8	20.8
10 28	0 19.12	+ 0 6.3	1.826	2.730	10.6	21.1
11 7	0 15.05	− 0 26.1	1.935	2.756	13.8	21.3

470663 2008 SY_{175} 10 3.2 353.°92 2.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.06	+12 17.7	1.284	2.140	18.6	20.5
9 8	0 55.03	+12 18.7	1.215	2.135	14.6	20.2
9 18	0 49.31	+11 57.5	1.164	2.131	10.0	19.9
9 28	0 41.67	+11 15.9	1.135	2.127	5.1	19.6
10 8	0 33.31	+10 19.5	1.130	2.125	3.3	19.5
10 18	0 25.59	+ 9 16.9	1.150	2.124	7.6	19.8
10 28	0 19.79	+ 8 18.1	1.193	2.124	12.4	20.1
11 7	0 16.73	+ 7 31.5	1.257	2.125	16.8	20.3

393206 2013 CM_{210} 10 3.2 333.°81 2.°1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.81	+16 10.6	4.186	4.968	8.0	21.3
9 8	0 49.31	+16 3.9	4.095	4.966	6.4	21.1
9 18	0 44.94	+15 48.3	4.027	4.965	4.6	21.0
9 28	0 40.01	+15 24.5	3.987	4.964	2.9	20.9
10 8	0 34.87	+14 54.2	3.976	4.963	2.1	20.8
10 18	0 29.92	+14 19.6	3.996	4.962	3.1	20.9
10 28	0 25.53	+13 43.4	4.045	4.961	4.9	21.0
11 7	0 22.02	+13 8.4	4.121	4.960	6.7	21.2

48178 2001 HU_{31} 10 3.2 275.°76 6.°8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.28	+28 15.6	1.953	2.696	17.1	18.6
9 8	0 54.53	+27 58.1	1.863	2.693	14.7	18.4
9 18	0 48.68	+27 11.8	1.791	2.689	11.8	18.2
9 28	0 41.39	+25 55.4	1.742	2.686	8.9	18.1
10 8	0 33.59	+24 11.9	1.718	2.682	7.0	17.9
10 18	0 26.27	+22 8.2	1.721	2.679	7.3	18.0
10 28	0 20.42	+19 54.6	1.752	2.675	9.7	18.1
11 7	0 16.69	+17 42.8	1.809	2.672	12.7	18.3

2252 CERGA 10 3.2 347.°85 0.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.84	+ 6 57.2	1.589	2.442	15.8	16.3
9 8	0 57.36	+ 6 50.9	1.516	2.439	12.0	16.1
9 18	0 50.52	+ 6 30.8	1.464	2.437	7.7	15.8
9 28	0 42.05	+ 6 0.0	1.437	2.435	2.9	15.5
10 8	0 32.99	+ 5 23.7	1.437	2.433	2.2	15.5
10 18	0 24.51	+ 4 47.9	1.463	2.432	7.0	15.8
10 28	0 17.68	+ 4 19.2	1.514	2.431	11.4	16.0
11 7	0 13.24	+ 4 2.4	1.587	2.430	15.2	16.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
262868	2007 BS_{48}		10	3.2	133.°68	1.°6/ 5.0 18
	h m	° ′			°	m
8 29	1 1.74	+10 36.9	2.456	3.272	12.1	21.3
9 8	0 56.45	+10 37.5	2.380	3.279	9.3	21.1
9 18	0 49.57	+10 26.7	2.327	3.286	6.2	20.9
9 28	0 41.64	+10 6.1	2.301	3.293	3.0	20.7
10 8	0 33.38	+ 9 38.7	2.305	3.300	2.0	20.6
10 18	0 25.52	+ 9 8.2	2.338	3.306	4.9	20.9
10 28	0 18.79	+ 8 39.0	2.400	3.312	8.0	21.1
11 7	0 13.70	+ 8 15.0	2.486	3.318	10.8	21.3
489425	2006 VP_{132}		10	3.2	308.°37	1.°9/ 1.8 18
8 29	1 0.40	+ 2 44.3	1.324	2.201	16.9	21.4
9 8	0 56.81	+ 2 5.6	1.245	2.184	12.8	21.1
9 18	0 50.48	+ 1 12.2	1.187	2.168	7.9	20.8
9 28	0 42.12	+ 0 10.4	1.153	2.151	2.9	20.5
10 8	0 32.89	− 0 51.3	1.143	2.136	4.0	20.5
10 18	0 24.19	− 1 43.5	1.158	2.120	9.4	20.8
10 28	0 17.35	− 2 18.3	1.196	2.106	14.4	21.0
11 7	0 13.27	− 2 31.1	1.253	2.091	18.8	21.3
181020	2005 NW_{86}		10	3.2	71.°07	0.°5/ 3.7 18
8 29	0 59.92	+ 7 44.9	1.944	2.787	13.7	20.8
9 8	0 55.45	+ 7 19.5	1.874	2.792	10.4	20.6
9 18	0 49.10	+ 6 41.2	1.827	2.797	6.6	20.3
9 28	0 41.50	+ 5 53.3	1.805	2.803	2.5	20.1
10 8	0 33.53	+ 5 1.1	1.812	2.808	1.9	20.1
10 18	0 26.06	+ 4 10.5	1.846	2.814	6.0	20.3
10 28	0 19.95	+ 3 27.3	1.908	2.819	9.8	20.6
11 7	0 15.77	+ 2 55.7	1.993	2.825	13.0	20.8
395566	2011 UZ_{232}		10	3.2	157.°02	0.°2/ 3.0 18
8 29	1 0.39	+ 5 52.0	1.943	2.790	13.5	21.7
9 8	0 55.83	+ 5 23.2	1.869	2.791	10.2	21.4
9 18	0 49.36	+ 4 42.7	1.818	2.791	6.4	21.2
9 28	0 41.61	+ 3 54.2	1.793	2.792	2.2	20.9
10 8	0 33.43	+ 3 3.1	1.797	2.792	2.2	21.0
10 18	0 25.73	+ 2 15.4	1.828	2.793	6.3	21.2
10 28	0 19.38	+ 1 36.5	1.886	2.793	10.1	21.5
11 7	0 14.99	+ 1 10.5	1.968	2.793	13.4	21.7
127986	2003 HN_{43}		10	3.2	71.°10	5.°2/28.5 18
8 29	1 3.88	−10 42.2	2.060	2.925	12.2	19.7
9 8	0 58.20	−11 16.5	2.004	2.931	9.3	19.6
9 18	0 50.69	−11 48.1	1.971	2.938	6.6	19.4
9 28	0 42.03	−12 11.5	1.966	2.944	5.2	19.3
10 8	0 33.09	−12 21.6	1.988	2.951	6.3	19.4
10 18	0 24.76	−12 15.5	2.037	2.957	8.9	19.6
10 28	0 17.85	−11 52.1	2.112	2.964	11.7	19.8
11 7	0 12.89	−11 12.1	2.209	2.970	14.2	20.0
195005	2002 CA_4		10	3.2	188.°20	1.°5/ 1.7 18
8 29	1 3.22	+ 1 41.0	2.109	2.958	12.6	20.9
9 8	0 57.80	+ 1 6.6	2.033	2.958	9.4	20.7
9 18	0 50.52	+ 0 24.3	1.981	2.957	5.7	20.5
9 28	0 42.01	− 0 21.7	1.957	2.955	2.1	20.3
10 8	0 33.08	− 1 6.0	1.961	2.953	3.0	20.3
10 18	0 24.61	− 1 43.5	1.995	2.950	6.7	20.6
10 28	0 17.44	− 2 9.8	2.056	2.947	10.2	20.8
11 7	0 12.17	− 2 22.3	2.140	2.943	13.3	21.0
117757	2005 GD_{59}		10	3.2	81.°62	5.°5/28.0 18
8 29	1 2.30	− 9 25.9	1.846	2.718	13.0	19.8
9 8	0 57.17	−10 25.7	1.797	2.729	9.9	19.6
9 18	0 50.11	−11 24.3	1.772	2.741	6.9	19.4
9 28	0 41.83	−12 14.5	1.773	2.752	5.5	19.4
10 8	0 33.29	−12 49.8	1.802	2.764	6.9	19.5
10 18	0 25.43	−13 5.9	1.856	2.775	9.7	19.7
10 28	0 19.08	−13 1.2	1.935	2.787	12.7	19.9
11 7	0 14.79	−12 36.5	2.034	2.798	15.2	20.1
317209	2002 CV_{22}		10	3.2	301.°60	5.°3/ 6.7 18
8 29	1 4.53	+15 34.3	1.315	2.147	19.6	20.5
9 8	1 0.17	+16 12.7	1.235	2.136	15.9	20.3
9 18	0 52.73	+16 29.1	1.173	2.126	11.6	20.0
9 28	0 42.96	+16 21.5	1.133	2.116	7.3	19.7
10 8	0 32.14	+15 51.8	1.117	2.106	5.4	19.6
10 18	0 21.85	+15 6.1	1.125	2.096	8.4	19.7
10 28	0 13.62	+14 13.9	1.158	2.086	13.0	20.0
11 7	0 8.48	+13 25.6	1.210	2.077	17.4	20.2
288045	2003 UC_{271}		10	3.2	11.°03	4.°1/29.8 18
8 29	1 4.46	− 8 6.9	2.050	2.913	12.3	19.8
9 8	0 58.69	− 8 21.7	1.985	2.914	9.3	19.6
9 18	0 51.05	− 8 35.5	1.944	2.915	6.2	19.4
9 28	0 42.18	− 8 43.5	1.930	2.917	4.2	19.3
10 8	0 32.98	− 8 41.5	1.944	2.919	5.3	19.4
10 18	0 24.34	− 8 26.4	1.986	2.921	8.2	19.6
10 28	0 17.11	− 7 57.1	2.054	2.924	11.2	19.8
11 7	0 11.87	− 7 13.8	2.145	2.927	14.0	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298057	2002 QN_{61}		10	3.2	70.°01	2.°1/ 5.1 18
	h m	° ′			°	m
8 29	1 2.45	+11 39.1	1.732	2.563	15.7	21.3
9 8	0 57.48	+11 31.2	1.672	2.579	12.1	21.1
9 18	0 50.41	+11 6.5	1.633	2.596	8.1	20.9
9 28	0 41.97	+10 27.6	1.620	2.612	3.9	20.7
10 8	0 33.18	+ 9 39.3	1.633	2.628	2.5	20.6
10 18	0 25.07	+ 8 48.0	1.673	2.644	6.1	20.9
10 28	0 18.56	+ 8 0.6	1.741	2.660	10.0	21.2
11 7	0 14.26	+ 7 22.5	1.831	2.676	13.4	21.4
177647	2004 RF_{110}		10	3.2	289.°25	18.°4/15.3 17
8 29	1 9.17	+36 25.8	1.179	1.907	27.0	19.6
9 8	1 5.18	+38 56.5	1.106	1.897	24.9	19.4
9 18	0 56.84	+40 54.8	1.044	1.886	22.5	19.2
9 28	0 44.69	+42 6.9	0.997	1.876	20.3	19.0
10 8	0 30.38	+42 22.4	0.967	1.865	18.8	18.8
10 18	0 16.38	+41 38.5	0.955	1.855	18.4	18.8
10 28	0 5.28	+40 4.4	0.961	1.845	19.5	18.8
11 7	23 58.83	+37 58.7	0.983	1.836	21.7	18.9
393603	2003 UQ_{279}		10	3.2	317.°94	10.°9/25.9 18
8 29	1 9.41	−21 3.5	1.459	2.326	16.2	20.2
9 8	1 3.54	−21 48.6	1.386	2.300	13.6	20.0
9 18	0 54.65	−22 21.0	1.333	2.275	11.5	19.8
9 28	0 43.57	−22 29.7	1.303	2.251	10.9	19.7
10 8	0 31.66	−22 6.2	1.297	2.227	12.4	19.7
10 18	0 20.45	−21 7.1	1.314	2.203	15.2	19.8
10 28	0 11.36	−19 34.2	1.353	2.181	18.4	20.0
11 7	0 5.29	−17 33.6	1.409	2.159	21.4	20.2
108417	2001 KO_{35}		10	3.2	139.°29	1.°2/ 2.1 17
8 29	1 3.39	+ 4 1.4	1.724	2.578	14.7	20.5
9 8	0 58.20	+ 3 13.9	1.660	2.587	11.0	20.2
9 18	0 50.88	+ 2 14.6	1.619	2.595	6.7	20.0
9 28	0 42.15	+ 1 8.8	1.604	2.603	2.3	19.8
10 8	0 33.02	+ 0 3.8	1.617	2.610	3.0	19.8
10 18	0 24.54	− 0 53.3	1.658	2.617	7.4	20.1
10 28	0 17.66	− 1 36.6	1.724	2.624	11.4	20.4
11 7	0 13.01	− 2 2.7	1.814	2.630	14.8	20.6
469793	2005 RA_{17}		10	3.2	3.°18	3.°9/30.1 18
8 29	0 58.43	− 0 32.2	1.231	2.121	17.0	20.8
9 8	0 55.22	− 1 40.3	1.174	2.120	12.6	20.5
9 18	0 49.35	− 2 59.7	1.137	2.120	7.8	20.3
9 28	0 41.68	− 4 21.2	1.124	2.120	4.1	20.1
10 8	0 33.44	− 5 33.6	1.135	2.121	5.9	20.2
10 18	0 25.96	− 6 27.5	1.170	2.123	10.5	20.4
10 28	0 20.45	− 6 56.6	1.227	2.126	15.1	20.7
11 7	0 17.62	− 6 59.3	1.304	2.130	18.9	21.0
291939	2006 QX_{32}		10	3.2	68.°39	6.°5/ 9.4 18
8 29	1 5.41	+22 21.4	1.823	2.596	17.2	20.3
9 8	0 59.81	+23 2.9	1.761	2.615	14.3	20.1
9 18	0 51.93	+23 22.1	1.718	2.634	11.1	20.0
9 28	0 42.53	+23 17.2	1.698	2.653	8.2	19.8
10 8	0 32.68	+22 49.9	1.704	2.673	6.6	19.8
10 18	0 23.51	+22 5.0	1.737	2.692	7.5	19.9
10 28	0 16.03	+21 10.0	1.795	2.711	10.0	20.1
11 7	0 10.93	+20 13.3	1.878	2.731	12.8	20.3
12327	Terbrüggen		10	3.2	313.°36	0.°8/ 2.6 18
8 29	1 1.33	+ 4 37.5	1.306	2.178	17.4	18.7
9 8	0 57.52	+ 4 11.4	1.231	2.166	13.2	18.4
9 18	0 50.92	+ 3 29.8	1.177	2.155	8.2	18.1
9 28	0 42.29	+ 2 37.6	1.146	2.145	2.8	17.7
10 8	0 32.85	+ 1 42.7	1.139	2.134	3.2	17.7
10 18	0 23.99	+ 0 53.7	1.157	2.124	8.8	18.1
10 28	0 17.07	+ 0 18.9	1.199	2.115	13.9	18.3
11 7	0 12.96	+ 0 3.2	1.261	2.106	18.3	18.6
407245	2009 WL_{157}		10	3.2	274.°95	2.°1/30.7 18
8 29	0 57.43	− 0 23.3	2.400	3.259	10.9	21.2
9 8	0 53.33	− 1 9.6	2.322	3.252	8.1	21.1
9 18	0 47.70	− 2 2.1	2.268	3.245	5.0	20.9
9 28	0 41.04	− 2 56.3	2.242	3.238	2.3	20.7
10 8	0 34.03	− 3 47.1	2.244	3.231	3.4	20.7
10 18	0 27.37	− 4 29.8	2.276	3.224	6.5	20.9
10 28	0 21.73	− 5 0.4	2.334	3.217	9.5	21.1
11 7	0 17.64	− 5 16.6	2.415	3.210	12.2	21.3
138495	2000 KG_{37}		10	3.2	356.°43	2.°2/ 1.6 18
8 29	1 0.48	− 0 2.3	1.451	2.328	15.7	19.3
9 8	0 56.47	− 0 20.1	1.386	2.324	11.7	19.1
9 18	0 50.03	− 0 45.9	1.342	2.321	7.2	18.8
9 28	0 41.92	− 1 14.4	1.321	2.319	2.9	18.5
10 8	0 33.25	− 1 39.0	1.327	2.318	4.0	18.6
10 18	0 25.23	− 1 53.9	1.357	2.318	8.5	18.9
10 28	0 18.96	− 1 54.5	1.412	2.319	12.9	19.1
11 7	0 15.16	− 1 38.8	1.487	2.321	16.6	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
234730 2002 LW_1			10 3.2	69.°54	1.°5/ 1.9	18
	h m	° ′			°	m
8 29	1 1.59	+ 3 14.5	1.644	2.505	14.9	20.5
9 8	0 56.82	+ 2 26.4	1.593	2.524	11.0	20.3
9 18	0 49.97	+ 1 27.5	1.565	2.542	6.7	20.1
9 28	0 41.83	+ 0 23.9	1.562	2.561	2.4	19.9
10 8	0 33.40	− 0 37.1	1.587	2.580	3.2	20.0
10 18	0 25.72	− 1 28.6	1.639	2.598	7.5	20.3
10 28	0 19.67	− 2 5.5	1.716	2.617	11.4	20.6
11 7	0 15.82	− 2 24.8	1.816	2.635	14.6	20.8
488281 2016 TU_{88}			10 3.2	309.°00	2.°2/ 1.5	18
8 29	1 0.92	+ 0 44.3	1.545	2.416	15.2	21.0
9 8	0 56.91	+ 0 14.3	1.460	2.396	11.4	20.7
9 18	0 50.42	− 0 25.9	1.397	2.376	7.1	20.4
9 28	0 42.12	− 1 10.7	1.358	2.356	2.8	20.1
10 8	0 33.03	− 1 53.3	1.346	2.337	4.0	20.2
10 18	0 24.36	− 2 26.4	1.359	2.318	8.7	20.4
10 28	0 17.30	− 2 44.2	1.396	2.299	13.3	20.6
11 7	0 12.70	− 2 43.3	1.455	2.281	17.2	20.8
410165 2007 LW_{24}			10 3.2	159.°62	2.°4/30.2	18
8 29	0 58.66	− 2 31.9	2.679	3.534	10.0	21.7
9 8	0 54.03	− 3 15.9	2.610	3.538	7.4	21.6
9 18	0 48.03	− 4 3.5	2.567	3.542	4.6	21.4
9 28	0 41.17	− 4 50.7	2.552	3.545	2.5	21.3
10 8	0 34.04	− 5 33.0	2.567	3.549	3.5	21.3
10 18	0 27.27	− 6 6.6	2.610	3.551	6.2	21.5
10 28	0 21.48	− 6 28.5	2.681	3.554	8.8	21.7
11 7	0 17.11	− 6 37.2	2.776	3.556	11.2	21.9
254378 2004 TU_{148}			10 3.2	70.°19	1.°3/ 4.6	18
8 29	0 58.81	+10 44.0	2.107	2.936	13.3	20.4
9 8	0 54.46	+10 15.7	2.042	2.950	10.2	20.3
9 18	0 48.43	+ 9 33.3	2.000	2.964	6.7	20.1
9 28	0 41.32	+ 8 39.8	1.984	2.978	2.9	19.9
10 8	0 33.91	+ 7 40.2	1.996	2.992	1.8	19.8
10 18	0 27.01	+ 6 40.1	2.037	3.006	5.3	20.1
10 28	0 21.37	+ 5 45.4	2.105	3.020	8.8	20.3
11 7	0 17.50	+ 5 1.0	2.198	3.034	11.8	20.5
281227 2007 HL_{91}			10 3.2	51.°01	2.°0/ 1.7	18
8 29	1 3.53	+ 1 13.0	1.422	2.293	16.3	20.7
9 8	0 58.58	+ 0 44.0	1.372	2.308	12.1	20.5
9 18	0 51.21	+ 0 5.7	1.344	2.323	7.4	20.3
9 28	0 42.30	− 0 36.0	1.340	2.339	2.8	20.1
10 8	0 33.06	− 1 13.8	1.363	2.355	3.8	20.2
10 18	0 24.68	− 1 41.6	1.411	2.371	8.3	20.5
10 28	0 18.20	− 1 54.5	1.483	2.388	12.6	20.8
11 7	0 14.25	− 1 50.5	1.577	2.404	16.1	21.1
451141 2009 QZ_{55}			10 3.2	352.°42	0.°5/ 3.7	18
8 29	1 0.36	+ 6 45.2	2.012	2.855	13.3	21.1
9 8	0 55.82	+ 6 39.0	1.936	2.854	10.1	20.9
9 18	0 49.40	+ 6 21.9	1.882	2.852	6.5	20.6
9 28	0 41.70	+ 5 56.5	1.854	2.851	2.5	20.4
10 8	0 33.56	+ 5 26.7	1.853	2.850	1.9	20.3
10 18	0 25.86	+ 4 57.3	1.881	2.849	5.9	20.6
10 28	0 19.46	+ 4 33.3	1.936	2.849	9.6	20.8
11 7	0 14.96	+ 4 18.3	2.014	2.848	12.8	21.0
139521 2001 PA_{65}			10 3.2	329.°05	3.°9/29.4	18
8 29	0 59.58	− 4 1.0	1.849	2.722	13.0	19.4
9 8	0 55.32	− 4 59.6	1.783	2.719	9.7	19.2
9 18	0 49.12	− 6 3.0	1.740	2.717	6.2	19.0
9 28	0 41.61	− 7 4.4	1.724	2.714	3.9	18.8
10 8	0 33.68	− 7 56.8	1.734	2.712	5.4	18.9
10 18	0 26.26	− 8 34.4	1.772	2.710	8.7	19.1
10 28	0 20.23	− 8 53.2	1.834	2.708	12.1	19.3
11 7	0 16.20	− 8 52.2	1.917	2.707	15.1	19.5
457736 2009 HY_{12}			10 3.2	141.°61	0.°9/ 1.9	17
8 29	0 55.66	+ 1 41.6	3.583	4.424	8.0	22.2
9 8	0 51.50	+ 1 15.0	3.510	4.431	5.9	22.0
9 18	0 46.35	+ 0 44.1	3.463	4.437	3.6	21.9
9 28	0 40.58	+ 0 11.2	3.445	4.443	1.3	21.7
10 8	0 34.63	− 0 20.8	3.457	4.449	1.8	21.8
10 18	0 28.92	− 0 49.2	3.500	4.454	4.1	21.9
10 28	0 23.91	− 1 11.6	3.571	4.460	6.4	22.1
11 7	0 19.93	− 1 26.1	3.668	4.465	8.3	22.2
267559 2002 QS_{23}			10 3.2	334.°82	2.°0/ 1.7	18
8 29	0 57.32	+ 3 6.9	1.135	2.024	18.2	19.8
9 8	0 54.81	+ 2 23.5	1.065	2.010	13.7	19.5
9 18	0 49.39	+ 1 23.1	1.015	1.997	8.5	19.2
9 28	0 41.84	+ 0 12.8	0.986	1.985	3.1	18.9
10 8	0 33.44	− 0 57.1	0.981	1.974	4.4	18.9
10 18	0 25.67	− 1 55.6	0.999	1.965	10.0	19.2
10 28	0 19.94	− 2 33.7	1.038	1.956	15.4	19.5
11 7	0 17.17	− 2 46.7	1.096	1.948	19.9	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
70263 1999 RM_{93}			10 3.2	60.°92	0.°5/ 2.9	18
	h m	° ′			°	m
8 29	1 6.17	+ 3 19.7	1.566	2.422	15.8	19.4
9 8	1 0.43	+ 3 18.9	1.509	2.436	11.9	19.1
9 18	0 52.34	+ 3 8.3	1.475	2.450	7.3	18.9
9 28	0 42.73	+ 2 51.7	1.466	2.464	2.5	18.7
10 8	0 32.74	+ 2 34.0	1.483	2.479	2.6	18.7
10 18	0 23.56	+ 2 20.3	1.528	2.494	7.3	19.0
10 28	0 16.21	+ 2 15.1	1.599	2.508	11.5	19.3
11 7	0 11.33	+ 2 21.4	1.692	2.523	15.0	19.6
222225 2000 FA_{56}			10 3.2	266.°17	1.°2/ 1.9	17
8 29	1 2.48	+ 0 29.5	2.545	3.389	10.8	20.9
9 8	0 57.11	+ 0 19.4	2.450	3.372	8.1	20.7
9 18	0 50.11	+ 0 4.4	2.381	3.355	5.0	20.4
9 28	0 41.97	− 0 12.8	2.339	3.337	1.9	20.2
10 8	0 33.36	− 0 28.7	2.327	3.319	2.5	20.2
10 18	0 25.02	− 0 39.9	2.345	3.301	5.8	20.4
10 28	0 17.70	− 0 43.4	2.391	3.282	9.0	20.6
11 7	0 11.97	− 0 37.0	2.462	3.264	11.8	20.7
266169 2006 UN_{225}			10 3.2	344.°78	5.°5/ 7.3	18
8 29	0 55.32	+16 57.8	1.079	1.934	21.4	19.4
9 8	0 53.56	+17 12.3	1.008	1.923	17.5	19.2
9 18	0 48.76	+16 56.3	0.954	1.913	12.8	18.9
9 28	0 41.67	+16 9.0	0.919	1.904	8.0	18.6
10 8	0 33.62	+14 55.1	0.905	1.896	5.5	18.4
10 18	0 26.22	+13 24.8	0.914	1.890	8.6	18.6
10 28	0 20.97	+11 52.5	0.944	1.886	13.6	18.8
11 7	0 18.88	+10 31.3	0.994	1.883	18.4	19.1
77321 2001 FS_{87}			10 3.2	105.°51	2.°2/ 1.2	18
8 29	1 1.87	+ 0 7.4	1.841	2.703	13.6	20.0
9 8	0 56.99	− 0 32.8	1.777	2.708	10.1	19.8
9 18	0 50.13	− 1 20.4	1.736	2.713	6.2	19.5
9 28	0 41.97	− 2 10.1	1.721	2.718	2.6	19.3
10 8	0 33.43	− 2 55.5	1.735	2.724	3.8	19.4
10 18	0 25.46	− 3 31.1	1.775	2.729	7.6	19.7
10 28	0 18.95	− 3 52.5	1.842	2.734	11.2	19.9
11 7	0 14.51	− 3 57.6	1.931	2.738	14.4	20.1
370517 2003 SJ_{240}			10 3.2	317.°22	1.°6/ 4.4	18
8 29	0 59.73	+ 9 24.6	1.199	2.066	18.9	21.5
9 8	0 56.70	+ 9 18.5	1.119	2.048	14.8	21.2
9 18	0 50.68	+ 8 51.2	1.057	2.030	9.8	20.9
9 28	0 42.35	+ 8 5.0	1.016	2.013	4.2	20.5
10 8	0 32.98	+ 7 6.2	0.999	1.996	2.8	20.4
10 18	0 24.10	+ 6 4.1	1.006	1.980	8.5	20.7
10 28	0 17.24	+ 5 9.5	1.036	1.965	14.1	20.9
11 7	0 13.42	+ 4 31.1	1.085	1.951	19.0	21.2
514286 2015 RZ_{256}			10 3.2	65.°99	2.°9/30.6	18
8 29	1 4.33	− 3 45.4	1.993	2.852	12.8	20.9
9 8	0 58.48	− 4 9.4	1.947	2.876	9.4	20.8
9 18	0 50.85	− 4 35.9	1.924	2.899	5.9	20.6
9 28	0 42.16	− 5 0.1	1.929	2.923	3.1	20.5
10 8	0 33.30	− 5 17.3	1.962	2.946	4.2	20.6
10 18	0 25.14	− 5 24.1	2.024	2.970	7.3	20.8
10 28	0 18.45	− 5 18.1	2.112	2.993	10.5	21.1
11 7	0 13.72	− 4 58.9	2.223	3.016	13.2	21.3
487838 2015 TF_{84}			10 3.2	214.°89	1.°0/ 4.6	18
8 29	0 57.42	+10 41.2	2.884	3.700	10.5	22.1
9 8	0 53.14	+10 8.8	2.792	3.693	8.1	21.9
9 18	0 47.54	+ 9 25.0	2.725	3.686	5.3	21.7
9 28	0 41.06	+ 8 32.1	2.685	3.679	2.3	21.5
10 8	0 34.24	+ 7 33.7	2.675	3.671	1.5	21.5
10 18	0 27.70	+ 6 34.0	2.695	3.663	4.3	21.7
10 28	0 22.02	+ 5 37.7	2.745	3.654	7.2	21.8
11 7	0 17.66	+ 4 48.7	2.820	3.645	9.8	22.0
426090 2012 DM_{66}			10 3.2	165.°35	2.°4/ 4.9	17
8 29	1 6.63	+10 41.0	1.478	2.316	17.5	21.4
9 8	1 1.21	+10 50.1	1.406	2.317	13.7	21.2
9 18	0 53.10	+10 41.6	1.355	2.319	9.2	20.9
9 28	0 43.10	+10 17.1	1.327	2.320	4.4	20.6
10 8	0 32.41	+ 9 40.8	1.326	2.321	2.9	20.5
10 18	0 22.39	+ 8 59.4	1.351	2.322	7.3	20.8
10 28	0 14.29	+ 8 20.6	1.401	2.322	11.9	21.1
11 7	0 8.94	+ 7 51.2	1.474	2.322	15.9	21.3
480916 2002 VD_{59}			10 3.2	288.°05	9.°5/16.1	18
8 29	0 59.21	+37 30.2	2.068	2.737	18.3	21.2
9 8	0 55.49	+37 19.9	1.959	2.719	16.5	21.0
9 18	0 49.49	+36 36.4	1.865	2.701	14.3	20.8
9 28	0 41.84	+35 15.4	1.791	2.683	12.0	20.6
10 8	0 33.54	+33 16.7	1.741	2.665	10.1	20.5
10 18	0 25.70	+30 45.0	1.717	2.648	9.5	20.4
10 28	0 19.40	+27 50.9	1.720	2.630	10.8	20.5
11 7	0 15.40	+24 48.2	1.751	2.612	13.2	20.6

267689 2002 VL_{79} 10 3.2 331.°62 0.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.68	+ 5 36.3	1.159	2.043	18.3	20.1
9 8	0 54.34	+ 5 0.5	1.085	2.026	13.9	19.8
9 18	0 49.14	+ 4 4.9	1.029	2.010	8.7	19.5
9 28	0 41.80	+ 2 55.2	0.996	1.995	3.0	19.1
10 8	0 33.57	+ 1 41.0	0.985	1.981	3.4	19.1
10 18	0 25.89	+ 0 33.2	0.999	1.968	9.4	19.4
10 28	0 20.20	− 0 17.8	1.034	1.957	14.8	19.7
11 7	0 17.43	− 0 45.6	1.088	1.947	19.6	19.9

14319 1978 US_5 10 3.3 35.°40 2.°2/ 2.2 18

8 29	1 12.18	− 2 45.0	1.302	2.170	17.7	17.2
9 8	1 5.03	− 2 14.0	1.262	2.195	13.2	17.0
9 18	0 55.16	− 1 46.1	1.244	2.221	8.1	16.8
9 28	0 43.69	− 1 18.1	1.250	2.248	3.2	16.6
10 8	0 32.06	− 0 46.4	1.283	2.276	3.8	16.7
10 18	0 21.68	− 0 8.9	1.343	2.304	8.5	17.0
10 28	0 13.66	+ 0 36.0	1.427	2.333	12.8	17.4
11 7	0 8.60	+ 1 28.8	1.533	2.363	16.4	17.7

97516 2000 DX_3 10 3.3 101.°77 9.°2/20.9 18

8 29	1 1.10	−26 54.0	2.420	3.262	11.4	19.0
9 8	0 56.07	−28 13.1	2.385	3.267	10.0	18.9
9 18	0 49.39	−29 19.4	2.374	3.272	9.3	18.9
9 28	0 41.70	−30 6.1	2.388	3.277	9.5	18.9
10 8	0 33.77	−30 28.7	2.426	3.282	10.5	19.0
10 18	0 26.40	−30 25.3	2.487	3.287	11.9	19.1
10 28	0 20.31	−29 56.7	2.569	3.292	13.5	19.2
11 7	0 16.00	−29 5.8	2.669	3.296	14.9	19.4

72275 2001 AE_{45} 10 3.3 318.°42 2.°7/ 1.4 18

8 29	0 59.90	+ 0 59.5	1.151	2.040	18.0	18.7
9 8	0 56.92	+ 0 25.3	1.072	2.017	13.6	18.4
9 18	0 50.87	− 0 22.8	1.013	1.995	8.5	18.0
9 28	0 42.45	− 1 18.1	0.975	1.974	3.5	17.7
10 8	0 32.96	− 2 10.9	0.961	1.953	5.0	17.7
10 18	0 23.97	− 2 51.1	0.970	1.934	10.6	17.9
10 28	0 17.02	− 3 10.7	1.001	1.915	16.1	18.2
11 7	0 13.20	− 3 5.6	1.049	1.897	20.9	18.4

512139 2015 PR_{63} 10 3.3 117.°86 1.°0/ 4.3 18

8 29	1 1.78	+ 9 42.0	2.023	2.853	13.8	21.9
9 8	0 56.77	+ 9 14.1	1.956	2.865	10.5	21.7
9 18	0 49.94	+ 8 32.1	1.912	2.878	6.8	21.5
9 28	0 41.92	+ 7 39.3	1.894	2.890	2.8	21.3
10 8	0 33.57	+ 6 40.8	1.905	2.901	1.8	21.2
10 18	0 25.76	+ 5 42.7	1.944	2.912	5.7	21.5
10 28	0 19.32	+ 4 50.8	2.011	2.923	9.3	21.8
11 7	0 14.80	+ 4 9.8	2.103	2.934	12.5	22.0

278711 2008 SC_{32} 10 3.3 119.°56 2.°9/ 6.2 17

8 29	1 2.69	+15 12.5	1.911	2.720	15.2	21.1
9 8	0 57.61	+14 54.6	1.842	2.733	12.0	20.9
9 18	0 50.53	+14 17.9	1.795	2.746	8.3	20.7
9 28	0 42.14	+13 24.3	1.773	2.759	4.6	20.5
10 8	0 33.38	+12 18.5	1.778	2.771	3.0	20.5
10 18	0 25.21	+11 7.3	1.813	2.782	5.8	20.7
10 28	0 18.52	+ 9 58.0	1.874	2.794	9.4	20.9
11 7	0 13.92	+ 8 57.4	1.960	2.804	12.7	21.2

111880 2002 ER_{115} 10 3.3 78.°91 4.°0/30.4 18

8 29	1 7.04	− 2 45.2	1.330	2.205	16.9	19.2
9 8	1 1.29	− 3 34.0	1.287	2.225	12.5	19.0
9 18	0 52.93	− 4 28.3	1.266	2.244	7.8	18.8
9 28	0 42.97	− 5 20.0	1.269	2.264	4.2	18.7
10 8	0 32.75	− 6 0.6	1.298	2.283	5.7	18.8
10 18	0 23.56	− 6 24.1	1.353	2.302	9.9	19.1
10 28	0 16.51	− 6 27.1	1.431	2.321	14.0	19.4
11 7	0 12.20	− 6 9.6	1.530	2.339	17.4	19.7

248513 2005 VC_{53} 10 3.3 336.°69 6.°3/26.9 18

8 29	1 0.75	−12 27.3	1.969	2.841	12.3	19.7
9 8	0 56.11	−13 26.6	1.909	2.838	9.6	19.5
9 18	0 49.59	−14 23.0	1.873	2.835	7.2	19.4
9 28	0 41.83	−15 9.3	1.862	2.832	6.3	19.3
10 8	0 33.70	−15 39.3	1.879	2.829	7.6	19.4
10 18	0 26.10	−15 48.9	1.921	2.827	10.2	19.5
10 28	0 19.87	−15 36.6	1.987	2.825	12.9	19.7
11 7	0 15.60	−15 3.3	2.074	2.823	15.4	19.9

305226 2007 XD_{13} 10 3.3 250.°00 2.°2/ 5.5 18

8 29	1 0.68	+12 36.4	2.021	2.842	14.1	21.0
9 8	0 56.19	+12 24.0	1.934	2.834	11.1	20.8
9 18	0 49.76	+11 55.4	1.868	2.826	7.5	20.6
9 28	0 41.94	+11 12.3	1.828	2.818	3.8	20.3
10 8	0 33.59	+10 18.8	1.815	2.810	2.4	20.2
10 18	0 25.62	+ 9 20.4	1.831	2.801	5.7	20.4
10 28	0 18.93	+ 8 24.0	1.874	2.792	9.5	20.6
11 7	0 14.20	+ 7 35.5	1.941	2.784	12.9	20.8

438007 2003 WQ_{16} 10 3.3 322.°58 1.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.72	+ 9 13.3	1.599	2.448	15.9	20.8
9 8	0 55.92	+ 8 58.6	1.519	2.438	12.3	20.6
9 18	0 49.79	+ 8 27.0	1.459	2.429	8.0	20.3
9 28	0 42.00	+ 7 41.5	1.424	2.420	3.4	20.0
10 8	0 33.55	+ 6 47.6	1.415	2.411	2.2	19.9
10 18	0 25.57	+ 5 52.3	1.432	2.403	6.9	20.2
10 28	0 19.17	+ 5 3.5	1.474	2.395	11.4	20.4
11 7	0 15.10	+ 4 27.2	1.539	2.388	15.3	20.7

143333 2003 AJ_{66} 10 3.3 218.°38 5.°1/28.6 18

8 29	1 4.35	−10 1.1	2.014	2.879	12.4	20.0
9 8	0 58.75	−10 38.4	1.950	2.877	9.5	19.8
9 18	0 51.21	−11 14.1	1.909	2.876	6.7	19.6
9 28	0 42.41	−11 42.1	1.895	2.875	5.2	19.5
10 8	0 33.24	−11 57.0	1.909	2.874	6.4	19.6
10 18	0 24.62	−11 55.3	1.950	2.872	9.1	19.8
10 28	0 17.43	−11 35.5	2.016	2.871	12.1	19.9
11 7	0 12.25	−10 58.1	2.104	2.869	14.7	20.1

59606 1999 JK_{65} 10 3.3 274.°09 5.°8/28.5 18

8 29	1 5.61	− 9 1.7	1.720	2.589	14.0	19.2
9 8	1 0.27	− 9 52.3	1.637	2.568	10.8	19.0
9 18	0 52.50	−10 44.0	1.577	2.546	7.6	18.8
9 28	0 42.96	−11 29.0	1.542	2.524	5.8	18.6
10 8	0 32.68	−11 59.6	1.535	2.502	7.4	18.7
10 18	0 22.83	−12 10.0	1.553	2.479	10.8	18.8
10 28	0 14.57	−11 57.1	1.596	2.456	14.4	19.0
11 7	0 8.70	−11 21.4	1.659	2.433	17.7	19.2

12337 1992 WV_3 10 3.3 311.°30 0.°1/ 3.1 18

8 29	1 4.12	+ 4 38.6	1.347	2.212	17.3	17.3
9 8	0 59.65	+ 4 35.4	1.271	2.202	13.2	17.0
9 18	0 52.33	+ 4 19.0	1.215	2.191	8.4	16.7
9 28	0 42.94	+ 3 53.0	1.182	2.181	2.9	16.4
10 8	0 32.71	+ 3 23.3	1.175	2.171	2.8	16.3
10 18	0 23.05	+ 2 56.7	1.193	2.162	8.3	16.6
10 28	0 15.34	+ 2 40.0	1.235	2.153	13.4	16.9
11 7	0 10.48	+ 2 38.0	1.298	2.145	17.8	17.2

264164 2010 AV_{106} 10 3.3 10.°51 2.°2/29.1 18

8 29	0 52.73	− 5 39.1	3.993	4.851	6.9	20.4
9 8	0 49.30	− 6 15.9	3.923	4.852	5.1	20.2
9 18	0 45.03	− 6 53.6	3.880	4.853	3.3	20.1
9 28	0 40.21	− 7 29.6	3.866	4.854	2.2	20.0
10 8	0 35.22	− 8 1.1	3.882	4.855	3.0	20.1
10 18	0 30.44	− 8 25.9	3.926	4.856	4.7	20.2
10 28	0 26.24	− 8 41.9	3.999	4.857	6.5	20.3
11 7	0 22.93	− 8 48.3	4.096	4.858	8.1	20.5

514346 2016 PJ_{93} 10 3.3 2.°81 3.°5/29.7 18

8 29	0 54.18	+ 3 17.2	1.302	2.188	16.5	20.3
9 8	0 51.97	+ 1 17.5	1.242	2.187	12.2	20.0
9 18	0 47.37	− 1 1.1	1.204	2.187	7.4	19.7
9 28	0 41.14	− 3 26.8	1.190	2.187	3.6	19.5
10 8	0 34.39	− 5 45.2	1.203	2.189	5.8	19.7
10 18	0 28.29	− 7 42.9	1.241	2.191	10.4	19.9
10 28	0 23.92	− 9 10.5	1.302	2.194	14.8	20.2
11 7	0 21.96	−10 4.5	1.382	2.198	18.6	20.5

488342 2016 VT_{17} 10 3.3 17.°77 3.°0/30.4 18

8 29	0 58.68	− 0 0.8	1.653	2.526	14.3	20.7
9 8	0 54.87	− 1 5.1	1.590	2.528	10.6	20.5
9 18	0 48.96	− 2 18.7	1.551	2.530	6.5	20.3
9 28	0 41.67	− 3 34.4	1.536	2.533	3.2	20.1
10 8	0 33.96	− 4 44.0	1.549	2.535	4.6	20.2
10 18	0 26.82	− 5 40.0	1.588	2.539	8.5	20.4
10 28	0 21.20	− 6 17.1	1.652	2.542	12.4	20.7
11 7	0 17.71	− 6 33.1	1.737	2.546	15.6	20.9

392226 2009 UB_{141} 10 3.3 316.°48 3.°2/27.7 16

8 29	0 55.54	−11 51.8	4.105	4.960	6.8	20.5
9 8	0 51.36	−12 15.3	4.034	4.955	5.2	20.3
9 18	0 46.29	−12 37.0	3.989	4.950	3.8	20.2
9 28	0 40.67	−12 54.0	3.973	4.945	3.2	20.2
10 8	0 34.87	−13 4.2	3.987	4.940	3.9	20.2
10 18	0 29.28	−13 5.7	4.029	4.935	5.3	20.3
10 28	0 24.31	−12 57.4	4.099	4.930	7.0	20.4
11 7	0 20.26	−12 38.9	4.193	4.925	8.4	20.6

39289 2001 CT_{28} 10 3.3 246.°81 0.°8/ 1.8 18 R

8 29	0 53.14	+ 0 50.5	4.519	5.361	6.5	19.7
9 8	0 49.52	+ 0 32.4	4.437	5.358	4.8	19.6
9 18	0 45.14	+ 0 11.2	4.381	5.355	2.9	19.5
9 28	0 40.26	− 0 11.2	4.354	5.352	1.1	19.3
10 8	0 35.22	− 0 32.8	4.358	5.349	1.5	19.3
10 18	0 30.34	− 0 51.6	4.392	5.346	3.4	19.5
10 28	0 25.98	− 1 5.9	4.455	5.343	5.2	19.6
11 7	0 22.39	− 1 14.2	4.545	5.340	6.9	19.7

47150 1999 RN_{35} 10 3.3 358.°92 0.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.31	+ 7 12.6	1.123	2.005	18.9	18.2
9 8	0 53.97	+ 6 11.0	1.062	2.002	14.3	17.9
9 18	0 48.82	+ 4 46.4	1.020	2.000	8.9	17.6
9 28	0 41.71	+ 3 6.5	1.000	2.000	3.0	17.3
10 8	0 33.93	+ 1 23.3	1.004	2.000	3.4	17.3
10 18	0 26.91	− 0 10.3	1.032	2.001	9.3	17.7
10 28	0 21.93	− 1 23.0	1.082	2.003	14.6	18.0
11 7	0 19.77	− 2 8.6	1.151	2.006	19.0	18.3

229470 2005 UT_{267} 10 3.3 216.°08 3.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.52	− 4 11.8	1.833	2.698	13.5	21.9
9 8	0 59.13	− 4 57.1	1.761	2.693	10.1	21.6
9 18	0 51.61	− 5 46.7	1.712	2.687	6.5	21.4
9 28	0 42.62	− 6 34.3	1.690	2.682	3.9	21.2
10 8	0 33.13	− 7 13.3	1.696	2.676	5.2	21.3
10 18	0 24.16	− 7 38.2	1.728	2.669	8.8	21.5
10 28	0 16.70	− 7 45.5	1.787	2.662	12.4	21.7
11 7	0 11.42	− 7 34.1	1.867	2.655	15.5	21.9

212615 2006 SV_{386} 10 3.3 55.°76 1.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.67	+ 2 33.9	1.744	2.605	14.2	20.5
9 8	0 56.19	+ 1 54.5	1.685	2.616	10.5	20.3
9 18	0 49.70	+ 1 5.4	1.650	2.627	6.4	20.1
9 28	0 41.92	+ 0 11.9	1.640	2.638	2.3	19.8
10 8	0 33.79	− 0 39.5	1.657	2.649	3.1	19.9
10 18	0 26.29	− 1 22.6	1.701	2.661	7.2	20.2
10 28	0 20.29	− 1 52.5	1.771	2.672	11.1	20.5
11 7	0 16.38	− 2 6.4	1.864	2.684	14.3	20.7

260407 2004 XZ_{11} 10 3.3 204.°25 5.°7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.94	+27 4.4	2.708	3.432	13.3	20.5
9 8	0 54.56	+27 9.7	2.614	3.430	11.3	20.4
9 18	0 48.59	+26 55.7	2.540	3.427	9.2	20.2
9 28	0 41.54	+26 21.5	2.489	3.424	7.1	20.1
10 8	0 34.08	+25 28.6	2.466	3.421	5.8	20.0
10 18	0 26.93	+24 20.6	2.470	3.417	6.1	20.0
10 28	0 20.83	+23 2.9	2.503	3.414	7.8	20.1
11 7	0 16.32	+21 42.3	2.561	3.410	9.9	20.3

315125 2007 EV_{84} 10 3.3 136.°50 4.°2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.39	− 6 59.4	2.355	3.222	10.8	20.3
9 8	0 54.05	− 8 7.1	2.294	3.226	8.1	20.1
9 18	0 48.20	− 9 16.3	2.259	3.230	5.5	20.0
9 28	0 41.38	−10 21.1	2.251	3.233	4.2	19.9
10 8	0 34.26	−11 15.7	2.272	3.237	5.4	20.0
10 18	0 27.56	−11 55.6	2.320	3.241	8.0	20.1
10 28	0 21.97	−12 18.1	2.394	3.244	10.6	20.3
11 7	0 17.96	−12 22.5	2.490	3.247	12.9	20.5

301256 2009 BW_{65} 10 3.3 40.°86 2.°3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.48	+11 44.8	1.653	2.489	16.1	20.1
9 8	0 57.02	+11 42.9	1.587	2.497	12.5	19.9
9 18	0 50.34	+11 23.6	1.542	2.505	8.4	19.7
9 28	0 42.18	+10 49.1	1.522	2.513	4.2	19.5
10 8	0 33.54	+10 4.0	1.527	2.522	2.7	19.4
10 18	0 25.53	+ 9 14.8	1.560	2.531	6.4	19.7
10 28	0 19.14	+ 8 28.6	1.618	2.541	10.4	19.9
11 7	0 15.03	+ 7 51.5	1.700	2.551	14.0	20.2

467358 2003 ST_{128} 10 3.3 51.°24 4.°5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.62	+17 9.9	1.134	1.974	21.6	20.7
9 8	0 58.51	+16 58.4	1.089	1.996	17.2	20.5
9 18	0 51.47	+16 16.7	1.062	2.018	12.1	20.3
9 28	0 42.56	+15 7.4	1.055	2.041	7.0	20.1
10 8	0 33.27	+13 38.8	1.072	2.064	4.5	20.0
10 18	0 25.07	+12 2.8	1.113	2.088	7.8	20.3
10 28	0 19.20	+10 32.2	1.178	2.112	12.4	20.6
11 7	0 16.31	+ 9 17.0	1.265	2.136	16.5	20.9

251297 2006 XY_{22} 10 3.3 46.°41 1.°9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.88	+ 1 16.0	1.901	2.763	13.2	20.8
9 8	0 55.51	+ 0 35.1	1.837	2.767	9.8	20.6
9 18	0 49.25	− 0 14.1	1.795	2.772	6.0	20.4
9 28	0 41.77	− 1 6.4	1.779	2.777	2.4	20.1
10 8	0 33.92	− 1 55.8	1.791	2.782	3.4	20.2
10 18	0 26.59	− 2 36.5	1.831	2.787	7.1	20.5
10 28	0 20.62	− 3 4.0	1.897	2.792	10.7	20.7
11 7	0 16.59	− 3 15.8	1.985	2.798	13.8	20.9

260580 2005 EZ_{274} 10 3.3 190.°74 1.°9/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.12	+11 43.0	1.833	2.656	15.3	22.0
9 8	0 59.68	+11 25.9	1.752	2.655	11.9	21.8
9 18	0 52.01	+10 51.6	1.692	2.653	8.0	21.5
9 28	0 42.78	+10 2.3	1.658	2.651	3.8	21.3
10 8	0 32.99	+ 9 2.8	1.652	2.648	2.4	21.2
10 18	0 23.70	+ 7 59.8	1.675	2.644	6.3	21.4
10 28	0 15.94	+ 7 0.7	1.724	2.640	10.4	21.7
11 7	0 10.43	+ 6 11.9	1.798	2.634	14.0	21.9

404579 2013 KR_{10} 10 3.3 85.°20 0.°8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.84	+ 9 33.3	2.345	3.173	12.2	21.2
9 8	0 54.37	+ 9 4.0	2.280	3.188	9.3	21.0
9 18	0 48.39	+ 8 22.6	2.238	3.204	6.0	20.8
9 28	0 41.44	+ 7 32.2	2.223	3.219	2.5	20.6
10 8	0 34.23	+ 6 37.3	2.237	3.234	1.6	20.6
10 18	0 27.48	+ 5 42.8	2.280	3.248	5.0	20.9
10 28	0 21.85	+ 4 53.7	2.352	3.263	8.2	21.1
11 7	0 17.84	+ 4 14.1	2.448	3.278	11.0	21.3

320114 2007 EY_{166} 10 3.3 213.°78 0.°9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.73	+11 25.0	2.391	3.215	12.1	20.6
9 8	0 52.90	+10 31.1	2.307	3.213	9.3	20.4
9 18	0 47.54	+ 9 22.3	2.247	3.211	6.1	20.2
9 28	0 41.17	+ 8 1.9	2.214	3.209	2.6	19.9
10 8	0 34.45	+ 6 35.2	2.210	3.206	1.6	19.9
10 18	0 28.09	+ 5 8.5	2.236	3.204	5.0	20.1
10 28	0 22.77	+ 3 48.1	2.290	3.202	8.4	20.3
11 7	0 18.99	+ 2 39.4	2.370	3.199	11.3	20.5

10536 1991 RZ_8 10 3.3 95.°01 0.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.58	+ 6 57.9	2.015	2.857	13.4	17.6
9 8	0 55.99	+ 6 35.1	1.942	2.860	10.1	17.4
9 18	0 49.56	+ 6 0.5	1.892	2.863	6.4	17.2
9 28	0 41.90	+ 5 17.2	1.868	2.866	2.3	16.9
10 8	0 33.83	+ 4 30.3	1.872	2.869	1.9	16.9
10 18	0 26.24	+ 3 45.2	1.905	2.872	5.9	17.2
10 28	0 19.95	+ 3 7.2	1.965	2.874	9.6	17.4
11 7	0 15.55	+ 2 40.4	2.048	2.877	12.8	17.6

153265 2001 CF_{19} 10 3.3 114.°27 5.°7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.20	+25 24.9	2.602	3.334	13.6	20.2
9 8	0 56.96	+25 49.2	2.524	3.347	11.5	20.0
9 18	0 50.07	+25 55.2	2.467	3.360	9.2	19.9
9 28	0 42.06	+25 41.9	2.434	3.372	7.0	19.8
10 8	0 33.68	+25 10.6	2.428	3.384	5.8	19.7
10 18	0 25.70	+24 24.4	2.450	3.396	6.2	19.8
10 28	0 18.88	+23 28.7	2.500	3.407	7.9	19.9
11 7	0 13.75	+22 29.7	2.575	3.419	10.1	20.1

489 Comacina 10 3.3 192.°45 2.°1/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.90	+ 0 46.6	2.443	3.299	10.8	13.5
9 8	0 52.94	− 0 19.6	2.370	3.299	8.0	13.3
9 18	0 47.54	− 1 33.3	2.321	3.298	4.9	13.2
9 28	0 41.17	− 2 49.3	2.301	3.297	2.3	13.0
10 8	0 34.48	− 4 2.0	2.310	3.296	3.4	13.1
10 18	0 28.16	− 5 5.8	2.348	3.295	6.4	13.3
10 28	0 22.83	− 5 56.4	2.414	3.294	9.4	13.4
11 7	0 19.01	− 6 31.0	2.503	3.293	12.0	13.6

353104 2009 ET_{22} 10 3.3 56.°99 0.°2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.73	+ 5 50.0	1.855	2.701	14.2	20.5
9 8	0 57.75	+ 5 40.6	1.783	2.703	10.7	20.3
9 18	0 50.73	+ 5 20.1	1.734	2.706	6.8	20.1
9 28	0 42.32	+ 4 51.6	1.711	2.709	2.4	19.8
10 8	0 33.46	+ 4 19.6	1.716	2.712	2.0	19.8
10 18	0 25.13	+ 3 49.5	1.748	2.715	6.3	20.1
10 28	0 18.26	+ 3 26.1	1.807	2.718	10.3	20.3
11 7	0 13.48	+ 3 13.5	1.890	2.721	13.7	20.5

474668 2005 AO_{65} 10 3.3 348.°51 6.°4/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 47.56	− 3 43.8	0.889	1.814	18.4	19.4
9 8	0 47.94	− 4 57.6	0.828	1.792	13.9	19.1
9 18	0 45.37	− 6 23.4	0.786	1.773	9.1	18.7
9 28	0 40.60	− 7 48.4	0.762	1.756	6.4	18.5
10 8	0 34.95	− 8 57.7	0.759	1.742	8.9	18.6
10 18	0 29.97	− 9 38.5	0.776	1.732	13.9	18.8
10 28	0 27.12	− 9 43.4	0.810	1.724	18.9	19.1
11 7	0 27.31	− 9 11.9	0.859	1.720	23.3	19.4

243746 2000 QU_{88} 10 3.3 35.°58 2.°9/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.59	+12 12.5	0.955	1.826	22.3	19.5
9 8	0 58.10	+12 8.9	0.915	1.844	17.3	19.2
9 18	0 51.38	+11 38.1	0.891	1.862	11.6	19.0
9 28	0 42.58	+10 44.0	0.888	1.882	5.6	18.8
10 8	0 33.34	+ 9 35.8	0.907	1.903	3.4	18.7
10 18	0 25.29	+ 8 25.1	0.948	1.924	8.4	19.1
10 28	0 19.79	+ 7 23.7	1.011	1.947	13.7	19.5
11 7	0 17.51	+ 6 39.7	1.094	1.970	18.2	19.8

446466 2014 JT_{74} 10 3.3 197.°69 0.°8/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.42	+ 4 15.4	1.953	2.804	13.3	21.6
9 8	0 55.94	+ 3 40.0	1.879	2.804	10.0	21.4
9 18	0 49.57	+ 2 53.8	1.829	2.804	6.2	21.1
9 28	0 41.92	+ 2 1.3	1.805	2.803	2.1	20.9
10 8	0 33.85	+ 1 8.2	1.809	2.803	2.5	20.9
10 18	0 26.24	+ 0 20.2	1.841	2.802	6.6	21.2
10 28	0 19.96	− 0 17.1	1.899	2.802	10.3	21.4
11 7	0 15.62	− 0 40.3	1.981	2.801	13.6	21.6

457012 2008 CZ_{92} 10 3.3 96.°95 11.°3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.37	+21 51.6	1.163	1.958	23.8	20.7
9 8	1 10.74	+24 4.6	1.095	1.960	20.3	20.5
9 18	0 59.96	+25 54.6	1.044	1.962	16.4	20.2
9 28	0 45.87	+27 11.1	1.013	1.963	12.9	20.1
10 8	0 30.22	+27 48.0	1.005	1.965	11.3	20.0
10 18	0 15.27	+27 46.2	1.020	1.966	12.6	20.1
10 28	0 3.19	+27 15.4	1.058	1.968	15.9	20.3
11 7	23 55.33	+26 30.6	1.115	1.969	19.5	20.5

402004 2003 QU_{32} 10 3.3 19.°12 7.°6/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.55	+20 19.9	1.435	2.241	19.5	19.8
9 8	0 59.02	+21 38.4	1.381	2.256	16.3	19.6
9 18	0 51.81	+22 33.3	1.344	2.273	12.7	19.5
9 28	0 42.76	+23 1.2	1.330	2.291	9.4	19.3
10 8	0 33.13	+23 2.6	1.339	2.310	7.7	19.3
10 18	0 24.27	+22 42.0	1.373	2.331	8.7	19.4
10 28	0 17.40	+22 7.3	1.430	2.353	11.5	19.6
11 7	0 13.28	+21 28.2	1.510	2.376	14.6	19.9

401736 2013 JK_{32} 10 3.3 40.°64 2.°7/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.49	− 1 16.9	2.145	3.010	11.8	20.5
9 8	0 53.54	− 2 16.2	2.081	3.014	8.7	20.3
9 18	0 47.97	− 3 21.6	2.041	3.018	5.4	20.1
9 28	0 41.34	− 4 27.4	2.028	3.023	2.8	19.9
10 8	0 34.39	− 5 27.4	2.044	3.027	4.1	20.0
10 18	0 27.89	− 6 16.3	2.088	3.032	7.2	20.2
10 28	0 22.56	− 6 50.1	2.157	3.037	10.3	20.4
11 7	0 18.91	− 7 6.8	2.250	3.042	13.1	20.6

157413 2004 TP_{279} 10 3.3 69.°56 0.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.70	+ 3 45.3	2.206	3.050	12.3	19.9
9 8	0 56.68	+ 3 34.7	2.132	3.053	9.2	19.7
9 18	0 49.93	+ 3 16.1	2.082	3.055	5.7	19.5
9 28	0 42.04	+ 2 52.6	2.059	3.057	1.9	19.2
10 8	0 33.78	+ 2 27.9	2.065	3.060	2.0	19.2
10 18	0 25.95	+ 2 6.3	2.099	3.062	5.8	19.5
10 28	0 19.33	+ 1 51.6	2.161	3.065	9.2	19.7
11 7	0 14.49	+ 1 46.6	2.247	3.067	12.2	19.9

508137 2015 FN_{43} 10 3.3 167.°09 5.°1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.98	− 8 23.9	1.671	2.536	14.6	21.2
9 8	1 2.58	− 8 50.5	1.608	2.537	11.1	20.9
9 18	0 53.79	− 9 16.2	1.567	2.538	7.5	20.7
9 28	0 43.41	− 9 34.5	1.553	2.539	5.1	20.6
10 8	0 32.58	− 9 39.5	1.566	2.540	6.4	20.7
10 18	0 22.49	− 9 27.3	1.605	2.540	9.8	20.9
10 28	0 14.19	− 8 56.7	1.670	2.541	13.4	21.1
11 7	0 8.38	− 8 8.5	1.756	2.541	16.5	21.3

144906 2004 XE_{128} 10 3.3 339.°78 0.°2/ 3.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.91	+ 6 31.7	1.518	2.377	16.1	19.9
9 8	0 56.87	+ 6 14.7	1.445	2.372	12.3	19.6
9 18	0 50.43	+ 5 42.9	1.393	2.367	7.8	19.3
9 28	0 42.30	+ 5 0.1	1.365	2.363	2.8	19.0
10 8	0 33.54	+ 4 12.6	1.363	2.359	2.3	19.0
10 18	0 25.35	+ 3 27.3	1.387	2.356	7.4	19.3
10 28	0 18.83	+ 2 51.4	1.436	2.353	11.9	19.6
11 7	0 14.74	+ 2 29.9	1.507	2.351	15.8	19.8

511309 2014 DF_{96} 10 3.3 243.°16 2.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.08	+ 2 5.4	1.944	2.804	13.0	21.4
9 8	0 55.03	+ 0 43.3	1.862	2.793	9.7	21.2
9 18	0 49.07	− 0 51.1	1.805	2.783	5.9	21.0
9 28	0 41.79	− 2 31.1	1.775	2.772	2.7	20.7
10 8	0 34.00	− 4 8.4	1.774	2.761	4.1	20.8
10 18	0 26.61	− 5 34.7	1.801	2.749	7.9	21.0
10 28	0 20.49	− 6 43.4	1.854	2.738	11.6	21.2
11 7	0 16.29	− 7 30.7	1.930	2.726	14.8	21.4

218612 2005 PY_3 10 3.3 0.°67 2.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.12	+ 3 29.4	0.980	1.857	21.3	17.9
9 8	1 5.82	+ 5 14.2	0.918	1.853	16.6	17.6
9 18	0 56.66	+ 6 54.0	0.875	1.850	10.9	17.3
9 28	0 44.62	+ 8 26.0	0.854	1.850	4.9	17.0
10 8	0 31.47	+ 9 47.6	0.856	1.851	3.8	17.0
10 18	0 19.29	+10 58.3	0.881	1.855	9.5	17.3
10 28	0 9.94	+12 0.7	0.929	1.860	15.1	17.6
11 7	0 4.53	+12 59.3	0.996	1.868	19.9	17.9

18738 1998 SN_{22} 10 3.3 237.°61 0.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.60	+ 8 57.4	2.031	2.869	13.4	18.2
9 8	0 54.61	+ 7 57.3	1.946	2.862	10.2	18.0
9 18	0 48.78	+ 6 41.0	1.884	2.855	6.4	17.7
9 28	0 41.68	+ 5 12.9	1.849	2.847	2.3	17.5
10 8	0 34.12	+ 3 39.6	1.843	2.839	2.0	17.4
10 18	0 26.95	+ 2 8.9	1.865	2.830	6.2	17.7
10 28	0 21.01	+ 0 48.2	1.915	2.822	10.0	17.9
11 7	0 16.92	− 0 16.8	1.989	2.813	13.4	18.1

207364 2005 JR_{162} 10 3.3 357.°92 1.°4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.52	+ 3 58.2	1.747	2.609	14.2	20.2
9 8	0 54.72	+ 3 5.4	1.678	2.608	10.6	20.0
9 18	0 48.91	+ 2 0.2	1.630	2.608	6.5	19.7
9 28	0 41.73	+ 0 48.2	1.609	2.607	2.3	19.5
10 8	0 34.10	− 0 23.2	1.614	2.607	3.1	19.5
10 18	0 26.98	− 1 26.7	1.647	2.607	7.4	19.8
10 28	0 21.29	− 2 15.9	1.706	2.608	11.3	20.0
11 7	0 17.65	− 2 47.0	1.786	2.608	14.7	20.3

495344 2014 NW_{57} 10 3.3 39.°46 7.°8/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.40	−17 1.6	2.060	2.932	11.9	20.6
9 8	0 54.31	−18 34.5	2.016	2.937	9.6	20.5
9 18	0 48.48	−20 0.8	1.998	2.943	8.1	20.4
9 28	0 41.53	−21 12.4	2.004	2.949	7.9	20.4
10 8	0 34.30	−22 2.8	2.037	2.955	9.2	20.5
10 18	0 27.60	−22 28.2	2.094	2.961	11.3	20.7
10 28	0 22.21	−22 27.8	2.174	2.967	13.5	20.8
11 7	0 18.63	−22 3.4	2.272	2.974	15.5	21.0

96154 5121 $T\text{-}_3$ 10 3.3 330.°49 5.°7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.89	−11 3.3	2.024	2.895	12.1	19.2
9 8	0 56.23	−11 54.5	1.960	2.890	9.3	19.0
9 18	0 49.72	−12 43.9	1.920	2.886	6.8	18.8
9 28	0 41.99	−13 24.8	1.907	2.881	5.7	18.8
10 8	0 33.88	−13 51.5	1.920	2.877	6.9	18.8
10 18	0 26.27	−13 59.8	1.959	2.874	9.6	19.0
10 28	0 19.98	−13 48.1	2.023	2.870	12.4	19.2
11 7	0 15.60	−13 16.8	2.108	2.867	14.9	19.3

352666 2008 RZ_{58} 10 3.3 0.°00 0.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.79	+ 5 10.3	4.246	5.075	7.1	21.0
9 8	0 50.08	+ 4 58.0	4.163	5.075	5.3	20.9
9 18	0 45.55	+ 4 41.0	4.106	5.075	3.3	20.7
9 28	0 40.48	+ 4 20.7	4.077	5.075	1.2	20.5
10 8	0 35.22	+ 3 59.2	4.079	5.075	1.0	20.5
10 18	0 30.15	+ 3 38.6	4.112	5.075	3.2	20.7
10 28	0 25.63	+ 3 20.9	4.173	5.075	5.2	20.9
11 7	0 21.95	+ 3 8.0	4.262	5.075	7.0	21.0

60716 2000 GD_{65} 10 3.3 160.°36 1.°0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.36	+ 3 34.9	1.796	2.647	14.3	19.8
9 8	0 59.02	+ 3 2.8	1.727	2.652	10.7	19.6
9 18	0 51.55	+ 2 20.0	1.681	2.655	6.6	19.3
9 28	0 42.65	+ 1 31.2	1.660	2.659	2.3	19.1
10 8	0 33.31	+ 0 42.5	1.668	2.662	2.8	19.1
10 18	0 24.54	− 0 0.0	1.704	2.664	7.1	19.4
10 28	0 17.31	− 0 31.1	1.766	2.667	11.1	19.7
11 7	0 12.28	− 0 47.2	1.850	2.668	14.5	19.9

239211 2006 QY_{23} 10 3.3 31.°25 3.°2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.79	− 6 9.6	1.176	2.047	19.0	18.6
9 8	1 8.65	− 5 20.6	1.141	2.074	14.2	18.4
9 18	0 57.50	− 4 30.5	1.126	2.102	8.9	18.2
9 28	0 44.64	− 3 36.1	1.136	2.132	4.0	18.0
10 8	0 31.74	− 2 35.5	1.173	2.163	4.7	18.1
10 18	0 20.38	− 1 28.6	1.235	2.195	9.3	18.5
10 28	0 11.74	− 0 15.7	1.323	2.228	13.7	18.8
11 7	0 6.39	+ 1 2.3	1.432	2.261	17.3	19.2

135547 2002 EN_{14} 10 3.3 0.°03 0.°8/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.98	+ 8 15.0	4.118	4.932	7.6	19.4
9 8	0 51.73	+ 8 18.6	4.032	4.932	5.8	19.3
9 18	0 46.59	+ 8 16.5	3.971	4.932	3.8	19.1
9 28	0 40.85	+ 8 9.7	3.938	4.932	1.7	19.0
10 8	0 34.91	+ 7 59.8	3.936	4.932	1.1	18.9
10 18	0 29.16	+ 7 48.8	3.965	4.932	3.1	19.1
10 28	0 23.99	+ 7 38.6	4.024	4.932	5.2	19.2
11 7	0 19.73	+ 7 31.3	4.109	4.933	7.0	19.4

477906 2011 KY_{30} 10 3.3 31.°66 5.°2/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.90	+20 34.1	1.209	2.038	21.2	20.2
9 8	0 54.16	+20 9.1	1.162	2.058	17.1	20.0
9 18	0 48.78	+19 10.9	1.131	2.079	12.5	19.8
9 28	0 41.70	+17 42.1	1.121	2.101	7.9	19.6
10 8	0 34.23	+15 51.4	1.135	2.124	5.2	19.5
10 18	0 27.69	+13 51.4	1.174	2.148	7.5	19.7
10 28	0 23.18	+11 56.0	1.237	2.173	11.6	20.1
11 7	0 21.32	+10 16.3	1.322	2.199	15.5	20.4

27237 1999 RR_{102} 10 3.3 343.°67 4.°7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.38	+19 11.3	1.984	2.778	15.3	18.2
9 8	0 55.35	+19 21.4	1.900	2.775	12.5	18.1
9 18	0 49.33	+19 11.8	1.837	2.772	9.4	17.9
9 28	0 41.91	+18 42.2	1.797	2.769	6.3	17.7
10 8	0 33.96	+17 55.2	1.784	2.767	4.7	17.6
10 18	0 26.41	+16 55.8	1.798	2.765	6.2	17.7
10 28	0 20.20	+15 51.2	1.839	2.763	9.3	17.8
11 7	0 15.99	+14 48.8	1.904	2.761	12.4	18.0

505107 2012 CR_{50} 10 3.3 149.°94 2.°0/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.19	+11 48.6	1.627	2.457	16.6	21.6
9 8	0 59.91	+11 30.9	1.557	2.463	12.9	21.4
9 18	0 52.23	+10 54.4	1.507	2.470	8.6	21.1
9 28	0 42.93	+10 1.6	1.483	2.475	4.1	20.9
10 8	0 33.10	+ 8 58.4	1.485	2.481	2.5	20.8
10 18	0 23.92	+ 7 52.1	1.515	2.485	6.7	21.1
10 28	0 16.48	+ 6 51.1	1.571	2.489	11.0	21.3
11 7	0 11.49	+ 6 2.0	1.651	2.493	14.8	21.6

50833 2000 FE_{40} 10 3.3 35.°93 3.°5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.06	− 3 35.2	1.758	2.628	13.7	18.8
9 8	0 57.30	− 4 15.6	1.697	2.631	10.2	18.6
9 18	0 50.46	− 5 0.2	1.658	2.635	6.5	18.4
9 28	0 42.28	− 5 43.0	1.646	2.639	3.7	18.2
10 8	0 33.70	− 6 17.4	1.661	2.643	5.0	18.3
10 18	0 25.72	− 6 38.5	1.702	2.647	8.5	18.6
10 28	0 19.26	− 6 42.8	1.768	2.652	12.1	18.8
11 7	0 14.94	− 6 29.4	1.856	2.656	15.1	19.0

455144 2015 VP_{124} 10 3.3 14.°97 0.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.03	+ 7 44.6	1.666	2.519	15.2	20.8
9 8	0 55.18	+ 7 33.0	1.601	2.524	11.6	20.5
9 18	0 49.23	+ 7 7.4	1.557	2.529	7.4	20.3
9 28	0 41.86	+ 6 31.1	1.538	2.535	2.9	20.1
10 8	0 34.05	+ 5 49.4	1.545	2.542	2.0	20.0
10 18	0 26.82	+ 5 8.4	1.579	2.550	6.5	20.3
10 28	0 21.10	+ 4 34.3	1.639	2.558	10.6	20.6
11 7	0 17.54	+ 4 11.8	1.721	2.567	14.1	20.8

396012 2013 BE_{67} 10 3.3 243.°18 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.14	+ 7 30.9	2.000	2.838	13.6	21.8
9 8	0 57.30	+ 7 18.1	1.918	2.832	10.4	21.5
9 18	0 50.50	+ 6 53.2	1.858	2.826	6.7	21.3
9 28	0 42.33	+ 6 18.8	1.824	2.820	2.6	21.0
10 8	0 33.64	+ 5 39.3	1.818	2.814	1.9	21.0
10 18	0 25.37	+ 4 59.8	1.840	2.808	6.0	21.2
10 28	0 18.41	+ 4 25.8	1.890	2.802	9.8	21.5
11 7	0 13.42	+ 4 1.8	1.964	2.795	13.2	21.7

211152 2002 GY_{151} 10 3.3 72.°04 3.°5/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.96	− 1 52.0	1.285	2.159	17.4	19.9
9 8	1 2.11	− 2 28.7	1.242	2.179	12.9	19.7
9 18	0 53.56	− 3 11.7	1.220	2.199	8.0	19.5
9 28	0 43.35	− 3 53.6	1.222	2.218	3.9	19.3
10 8	0 32.86	− 4 26.5	1.250	2.238	5.2	19.5
10 18	0 23.45	− 4 44.2	1.304	2.258	9.6	19.8
10 28	0 16.25	− 4 43.3	1.381	2.277	13.9	20.1
11 7	0 11.88	− 4 23.4	1.478	2.297	17.4	20.4

7948 Whitaker 10 3.3 234.°57 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.30	+ 6 47.8	1.676	2.526	15.2	17.7
9 8	0 57.73	+ 6 17.7	1.600	2.522	11.6	17.4
9 18	0 50.91	+ 5 32.9	1.545	2.518	7.3	17.2
9 28	0 42.50	+ 4 37.4	1.516	2.514	2.6	16.9
10 8	0 33.52	+ 3 37.7	1.514	2.510	2.3	16.9
10 18	0 25.06	+ 2 40.8	1.539	2.505	7.0	17.2
10 28	0 18.16	+ 1 53.9	1.590	2.501	11.4	17.4
11 7	0 13.55	+ 1 22.0	1.663	2.496	15.1	17.6

271143 2003 SM_{144} 10 3.3 344.°18 8.°5/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.56	+23 9.0	1.581	2.372	18.6	18.4
9 8	0 55.50	+24 18.1	1.493	2.355	16.0	18.2
9 18	0 49.87	+25 4.9	1.422	2.339	13.0	18.0
9 28	0 42.25	+25 25.1	1.373	2.324	10.1	17.8
10 8	0 33.67	+25 17.7	1.347	2.311	8.5	17.7
10 18	0 25.41	+24 45.2	1.344	2.299	9.3	17.7
10 28	0 18.77	+23 54.9	1.365	2.288	11.9	17.8
11 7	0 14.73	+22 56.8	1.407	2.279	15.1	18.0

517916 2015 TH_{141} 10 3.3 226.°08 5.°1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.25	−11 43.3	2.486	3.349	10.4	21.6
9 8	0 55.47	−12 39.0	2.419	3.344	8.1	21.4
9 18	0 49.15	−13 32.8	2.377	3.339	6.0	21.3
9 28	0 41.82	−14 19.3	2.363	3.333	5.1	21.2
10 8	0 34.16	−14 53.3	2.377	3.327	6.3	21.3
10 18	0 26.89	−15 11.2	2.418	3.321	8.5	21.4
10 28	0 20.69	−15 11.2	2.484	3.315	10.9	21.6
11 7	0 16.08	−14 53.4	2.572	3.308	13.1	21.7

324808 2007 HE_{53} 10 3.3 334.°18 13.°9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.23	−37 44.7	1.957	2.759	15.2	19.4
9 8	1 3.53	−38 46.2	1.917	2.747	14.3	19.3
9 18	0 54.35	−39 24.4	1.897	2.737	13.9	19.3
9 28	0 43.63	−39 30.5	1.898	2.727	14.2	19.3
10 8	0 32.64	−38 59.8	1.918	2.717	15.1	19.3
10 18	0 22.62	−37 52.0	1.959	2.708	16.4	19.4
10 28	0 14.63	−36 10.8	2.019	2.700	17.8	19.5
11 7	0 9.27	−34 2.8	2.094	2.692	19.2	19.6

147426 2003 GE_{38} 10 3.3 226.°54 1.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.79	+ 1 26.9	2.163	3.018	12.1	20.3
9 8	0 55.34	+ 0 46.2	2.088	3.015	9.0	20.1
9 18	0 49.17	− 0 2.4	2.036	3.013	5.5	19.9
9 28	0 41.85	− 0 54.4	2.012	3.010	2.2	19.7
10 8	0 34.13	− 1 44.4	2.016	3.007	3.0	19.7
10 18	0 26.82	− 2 27.0	2.049	3.004	6.6	19.9
10 28	0 20.70	− 2 58.0	2.108	3.001	10.0	20.2
11 7	0 16.31	− 3 14.6	2.191	2.997	12.9	20.3

124007 2001 FQ_{88} 10 3.3 192.°79 0.°6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.68	+ 4 24.0	2.703	3.541	10.4	21.4
9 8	0 54.18	+ 3 49.7	2.622	3.540	7.8	21.2
9 18	0 48.31	+ 3 7.4	2.566	3.538	4.8	21.0
9 28	0 41.52	+ 2 20.2	2.538	3.536	1.6	20.8
10 8	0 34.42	+ 1 32.2	2.540	3.534	1.9	20.8
10 18	0 27.63	+ 0 47.7	2.571	3.531	5.1	21.0
10 28	0 21.78	+ 0 10.5	2.631	3.528	8.0	21.2
11 7	0 17.33	− 0 16.4	2.716	3.525	10.6	21.4

162844 2001 DV_{27} 10 3.3 243.°32 7.°8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.17	+23 37.0	1.977	2.727	16.7	20.4
9 8	1 3.83	+24 53.3	1.886	2.721	14.3	20.2
9 18	0 54.90	+25 51.1	1.815	2.715	11.6	20.0
9 28	0 44.00	+26 26.1	1.768	2.708	9.1	19.8
10 8	0 32.16	+26 36.6	1.747	2.702	7.8	19.7
10 18	0 20.61	+26 24.1	1.753	2.695	8.6	19.8
10 28	0 10.61	+25 54.3	1.786	2.688	10.9	19.9
11 7	0 3.08	+25 15.3	1.842	2.681	13.7	20.1

214322 2005 JM_{55} 10 3.3 18.°19 0.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.59	+ 5 12.4	1.778	2.635	14.2	20.7
9 8	0 54.75	+ 4 19.7	1.708	2.636	10.6	20.4
9 18	0 48.93	+ 3 13.7	1.662	2.638	6.5	20.2
9 28	0 41.79	+ 1 59.8	1.641	2.639	2.2	19.9
10 8	0 34.20	+ 0 45.3	1.647	2.641	2.7	20.0
10 18	0 27.14	− 0 22.5	1.681	2.643	7.0	20.3
10 28	0 21.48	− 1 17.0	1.741	2.645	11.0	20.5
11 7	0 17.84	− 1 54.1	1.823	2.648	14.4	20.7

523442 2017 FL_7 10 3.3 272.°86 1.°1/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.97	+ 2 50.3	2.362	3.211	11.4	22.3
9 8	0 54.68	+ 2 16.7	2.273	3.197	8.5	22.1
9 18	0 48.77	+ 1 34.8	2.208	3.183	5.3	21.9
9 28	0 41.73	+ 0 48.1	2.170	3.168	1.9	21.6
10 8	0 34.24	+ 0 1.4	2.161	3.154	2.5	21.6
10 18	0 27.05	− 0 40.5	2.181	3.139	6.0	21.8
10 28	0 20.89	− 1 13.2	2.228	3.124	9.3	22.0
11 7	0 16.34	− 1 33.5	2.299	3.110	12.2	22.2

469890 2005 UO_{522} 10 3.3 59.°97 1.°5/ 2.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.34	+ 2 52.0	1.323	2.192	17.4	21.1
9 8	1 0.10	+ 2 20.5	1.279	2.213	12.9	20.9
9 18	0 52.31	+ 1 37.4	1.256	2.234	7.9	20.7
9 28	0 42.94	+ 0 49.1	1.257	2.256	2.8	20.5
10 8	0 33.28	+ 0 3.3	1.284	2.278	3.5	20.6
10 18	0 24.62	− 0 32.8	1.337	2.300	8.3	20.9
10 28	0 18.02	− 0 53.8	1.414	2.322	12.8	21.2
11 7	0 14.10	− 0 57.3	1.512	2.345	16.4	21.5

116955 2004 HK_2 10 3.3 199.°93 1.°8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.37	+12 14.9	1.961	2.780	14.5	20.9
9 8	0 58.30	+11 50.7	1.876	2.777	11.3	20.7
9 18	0 51.16	+11 9.4	1.813	2.773	7.6	20.5
9 28	0 42.60	+10 13.3	1.776	2.768	3.7	20.2
10 8	0 33.49	+ 9 7.1	1.768	2.763	2.2	20.1
10 18	0 24.82	+ 7 57.5	1.788	2.757	5.9	20.3
10 28	0 17.54	+ 6 51.7	1.836	2.751	9.9	20.6
11 7	0 12.33	+ 5 56.1	1.908	2.744	13.4	20.8

369469 2010 SW_{14} 10 3.3 283.°87 1.°1/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.36	+ 6 1.2	1.362	2.229	17.1	21.3
9 8	0 56.79	+ 5 1.0	1.286	2.219	12.9	21.0
9 18	0 50.58	+ 3 41.1	1.231	2.209	8.0	20.7
9 28	0 42.46	+ 2 8.1	1.200	2.199	2.7	20.4
10 8	0 33.60	+ 0 32.0	1.194	2.189	3.4	20.4
10 18	0 25.29	− 0 56.0	1.215	2.179	8.8	20.7
10 28	0 18.80	− 2 6.1	1.259	2.169	13.8	21.0
11 7	0 14.97	− 2 52.1	1.323	2.159	18.1	21.2

357232 2002 JB_{127} 10 3.3 93.°13 2.°3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.00	+17 3.7	2.430	3.224	12.8	20.5
9 8	0 53.76	+16 9.0	2.360	3.242	10.1	20.4
9 18	0 48.05	+14 56.8	2.313	3.260	7.0	20.2
9 28	0 41.43	+13 29.9	2.292	3.277	3.9	20.0
10 8	0 34.57	+11 53.6	2.302	3.294	2.4	20.0
10 18	0 28.18	+10 14.2	2.341	3.311	4.7	20.1
10 28	0 22.90	+ 8 38.7	2.410	3.328	7.7	20.4
11 7	0 19.18	+ 7 13.1	2.505	3.344	10.4	20.6

190351 1998 XV_1 10 3.3 7.°30 0.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.51	+ 9 29.3	4.041	4.857	7.7	19.8
9 8	0 49.22	+ 9 6.6	3.956	4.858	5.9	19.7
9 18	0 45.07	+ 8 36.8	3.896	4.858	3.8	19.5
9 28	0 40.37	+ 8 1.6	3.865	4.859	1.7	19.4
10 8	0 35.48	+ 7 23.1	3.863	4.859	1.0	19.3
10 18	0 30.78	+ 6 44.1	3.892	4.860	3.1	19.5
10 28	0 26.65	+ 6 7.2	3.950	4.861	5.2	19.6
11 7	0 23.39	+ 5 34.8	4.036	4.861	7.1	19.8

374746 2006 SV_{176} 10 3.3 258.°90 0.°4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.35	+ 7 3.9	1.556	2.411	16.0	21.2
9 8	0 57.27	+ 6 14.8	1.475	2.400	12.1	21.0
9 18	0 50.76	+ 5 7.8	1.415	2.389	7.6	20.7
9 28	0 42.51	+ 3 47.8	1.380	2.378	2.6	20.4
10 8	0 33.57	+ 2 23.0	1.371	2.367	2.7	20.3
10 18	0 25.11	+ 1 2.6	1.390	2.356	7.8	20.6
10 28	0 18.27	− 0 4.5	1.434	2.344	12.5	20.9
11 7	0 13.87	− 0 52.2	1.499	2.332	16.5	21.1

109614 2001 QR_{290} 10 3.3 101.°05 0.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.82	+ 6 20.3	1.634	2.484	15.6	20.7
9 8	0 58.68	+ 5 37.8	1.577	2.500	11.7	20.5
9 18	0 51.35	+ 4 41.3	1.542	2.516	7.2	20.3
9 28	0 42.62	+ 3 36.0	1.533	2.531	2.5	20.0
10 8	0 33.55	+ 2 29.1	1.551	2.546	2.5	20.1
10 18	0 25.21	+ 1 28.2	1.597	2.561	7.1	20.4
10 28	0 18.55	+ 0 39.7	1.668	2.576	11.2	20.7
11 7	0 14.20	+ 0 7.7	1.763	2.590	14.7	20.9

137932 2000 BS_{28} 10 3.3 195.°40 2.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.05	+ 1 20.2	1.842	2.697	13.8	20.9
9 8	0 58.82	+ 0 34.8	1.767	2.695	10.3	20.7
9 18	0 51.48	− 0 20.1	1.717	2.693	6.4	20.4
9 28	0 42.71	− 1 18.9	1.692	2.690	2.6	20.2
10 8	0 33.43	− 2 14.9	1.696	2.686	3.6	20.2
10 18	0 24.67	− 3 1.8	1.728	2.682	7.6	20.5
10 28	0 17.39	− 3 34.3	1.786	2.678	11.5	20.7
11 7	0 12.24	− 3 49.6	1.867	2.673	14.8	20.9

70738 1999 VF_{11} 10 3.3 22.°55 5.°4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.95	+21 55.9	1.298	2.117	20.5	18.6
9 8	0 52.72	+21 22.4	1.238	2.127	16.8	18.4
9 18	0 47.95	+20 14.5	1.195	2.138	12.5	18.2
9 28	0 41.49	+18 34.1	1.173	2.150	8.1	18.0
10 8	0 34.53	+16 29.4	1.175	2.162	5.4	17.9
10 18	0 28.34	+14 12.9	1.202	2.176	7.3	18.0
10 28	0 24.02	+11 59.3	1.254	2.191	11.4	18.3
11 7	0 22.24	+10 1.4	1.329	2.207	15.4	18.6

114392 2002 YK_7 10 3.3 248.°96 4.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.04	− 4 56.3	1.613	2.486	14.6	19.9
9 8	0 59.10	− 5 50.1	1.544	2.479	11.0	19.7
9 18	0 51.79	− 6 48.4	1.497	2.473	7.2	19.5
9 28	0 42.84	− 7 43.8	1.476	2.466	4.6	19.3
10 8	0 33.32	− 8 28.3	1.481	2.459	6.2	19.4
10 18	0 24.37	− 8 55.5	1.512	2.452	9.9	19.6
10 28	0 17.10	− 9 1.5	1.568	2.445	13.7	19.8
11 7	0 12.22	− 8 45.8	1.644	2.437	17.1	20.0

65950 1998 FE_{114} 10 3.3 302.°86 4.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.59	+15 36.8	1.354	2.186	19.1	18.0
9 8	0 58.77	+15 59.6	1.270	2.172	15.5	17.8
9 18	0 52.03	+15 59.4	1.204	2.158	11.3	17.5
9 28	0 43.06	+15 35.0	1.159	2.143	6.9	17.2
10 8	0 33.05	+14 49.2	1.139	2.130	4.9	17.0
10 18	0 23.50	+13 48.9	1.144	2.116	8.0	17.2
10 28	0 15.85	+12 44.2	1.172	2.103	12.7	17.4
11 7	0 11.14	+11 45.6	1.222	2.090	17.2	17.6

169840 2002 RN_1 10 3.3 310.°96 8.°2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.91	+26 28.5	1.744	2.505	18.3	19.4
9 8	0 56.34	+27 4.3	1.649	2.490	15.8	19.2
9 18	0 50.30	+27 14.3	1.573	2.474	12.9	19.0
9 28	0 42.40	+26 54.8	1.517	2.459	10.1	18.8
10 8	0 33.64	+26 5.8	1.485	2.444	8.4	18.7
10 18	0 25.22	+24 51.4	1.477	2.430	8.8	18.7
10 28	0 18.36	+23 20.4	1.495	2.416	11.3	18.8
11 7	0 13.95	+21 44.0	1.536	2.402	14.4	18.9

11666 Bracker 10 3.3 213.°46 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.16	+ 6 54.9	1.927	2.767	14.0	18.6
9 8	0 58.15	+ 6 19.9	1.844	2.761	10.6	18.4
9 18	0 51.09	+ 5 31.2	1.783	2.754	6.7	18.2
9 28	0 42.59	+ 4 32.7	1.749	2.747	2.4	17.9
10 8	0 33.54	+ 3 30.1	1.743	2.739	2.1	17.8
10 18	0 24.92	+ 2 30.0	1.766	2.730	6.5	18.1
10 28	0 17.68	+ 1 38.8	1.815	2.721	10.5	18.3
11 7	0 12.51	+ 1 1.4	1.888	2.712	14.0	18.5

167259 2003 UF_{121} 10 3.3 304.°12 2.°6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.82	+ 9 53.0	1.716	2.546	15.8	19.9
9 8	1 1.31	+10 29.0	1.629	2.535	12.4	19.6
9 18	0 53.29	+10 52.4	1.564	2.525	8.5	19.4
9 28	0 43.43	+11 3.4	1.524	2.515	4.3	19.1
10 8	0 32.77	+11 3.7	1.511	2.505	3.0	19.0
10 18	0 22.51	+10 57.0	1.525	2.495	6.7	19.2
10 28	0 13.86	+10 48.5	1.566	2.485	11.0	19.4
11 7	0 7.66	+10 43.7	1.630	2.476	14.8	19.7

205119 1999 VO_{71} 10 3.3 344.°53 2.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.56	+12 19.3	1.469	2.316	17.1	20.1
9 8	0 54.51	+11 54.5	1.393	2.310	13.4	19.8
9 18	0 49.06	+11 7.8	1.338	2.304	9.0	19.6
9 28	0 41.92	+10 2.1	1.305	2.299	4.3	19.3
10 8	0 34.14	+ 8 43.9	1.298	2.295	2.6	19.1
10 18	0 26.90	+ 7 22.3	1.317	2.291	7.0	19.4
10 28	0 21.31	+ 6 7.2	1.361	2.288	11.6	19.7
11 7	0 18.14	+ 5 6.5	1.426	2.286	15.7	19.9

487349 2014 QV_{207} 10 3.3 60.°44 3.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.98	+15 21.6	2.210	3.012	13.6	21.3
9 8	0 56.25	+15 31.0	2.135	3.020	10.9	21.1
9 18	0 49.75	+15 25.1	2.083	3.029	7.8	21.0
9 28	0 42.08	+15 4.6	2.056	3.037	4.7	20.8
10 8	0 34.02	+14 32.2	2.056	3.045	3.3	20.7
10 18	0 26.40	+13 52.2	2.085	3.054	5.3	20.9
10 28	0 20.01	+13 10.1	2.142	3.062	8.4	21.1
11 7	0 15.42	+12 31.3	2.224	3.071	11.3	21.3

420628 2012 HN_{73} 10 3.3 93.°82 3.°3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.19	− 4 47.1	2.510	3.374	10.3	21.0
9 8	0 53.15	− 5 47.5	2.445	3.377	7.6	20.8
9 18	0 47.70	− 6 50.8	2.406	3.380	5.0	20.7
9 28	0 41.34	− 7 51.8	2.395	3.383	3.4	20.6
10 8	0 34.71	− 8 45.3	2.412	3.386	4.5	20.7
10 18	0 28.44	− 9 26.8	2.458	3.389	7.1	20.8
10 28	0 23.18	− 9 53.5	2.530	3.391	9.7	21.0
11 7	0 19.37	−10 4.0	2.625	3.394	12.0	21.2

482287 2011 SL_{268} 10 3.3 348.°17 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.89	+ 5 6.5	1.716	2.568	14.8	21.2
9 8	0 58.13	+ 5 1.0	1.642	2.566	11.3	21.0
9 18	0 51.15	+ 4 44.4	1.591	2.564	7.1	20.8
9 28	0 42.64	+ 4 19.9	1.564	2.562	2.5	20.5
10 8	0 33.58	+ 3 52.2	1.565	2.561	2.2	20.5
10 18	0 25.05	+ 3 26.7	1.593	2.560	6.8	20.8
10 28	0 18.06	+ 3 8.7	1.646	2.559	11.0	21.0
11 7	0 13.32	+ 3 2.1	1.723	2.559	14.6	21.2

3480 Abante 10 3.3 140.°83 0.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.40	+ 6 27.4	2.916	3.744	10.1	19.1
9 8	0 54.57	+ 5 50.9	2.845	3.757	7.5	19.0
9 18	0 48.49	+ 5 6.0	2.800	3.769	4.7	18.8
9 28	0 41.61	+ 4 15.7	2.783	3.781	1.6	18.6
10 8	0 34.51	+ 3 23.7	2.796	3.792	1.5	18.6
10 18	0 27.76	+ 2 34.1	2.840	3.803	4.5	18.9
10 28	0 21.93	+ 1 50.7	2.913	3.813	7.3	19.1
11 7	0 17.42	+ 1 16.3	3.012	3.822	9.6	19.2

169584 2002 GL_{33} 10 3.3 326.°76 5.°0/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.41	− 4 21.3	1.215	2.102	17.4	19.8
9 8	1 0.03	− 5 6.7	1.153	2.096	13.1	19.5
9 18	0 52.68	− 5 58.0	1.111	2.090	8.5	19.2
9 28	0 43.24	− 6 46.3	1.091	2.084	5.1	19.0
10 8	0 33.07	− 7 21.9	1.096	2.079	6.8	19.1
10 18	0 23.67	− 7 37.4	1.125	2.074	11.3	19.3
10 28	0 16.42	− 7 28.8	1.175	2.070	15.9	19.6
11 7	0 12.17	− 6 56.0	1.244	2.066	19.9	19.8

3601 Velikhov 10 3.3 319.°93 0.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.38	+ 3 14.5	2.083	2.938	12.5	17.4
9 8	0 54.45	+ 2 47.1	1.999	2.926	9.4	17.2
9 18	0 48.73	+ 2 10.5	1.938	2.914	5.8	16.9
9 28	0 41.77	+ 1 28.4	1.903	2.902	2.0	16.6
10 8	0 34.33	+ 0 45.9	1.896	2.890	2.5	16.7
10 18	0 27.23	+ 0 8.1	1.917	2.879	6.4	16.9
10 28	0 21.30	− 0 20.2	1.965	2.868	10.0	17.1
11 7	0 17.16	− 0 35.5	2.036	2.858	13.2	17.3

482673 2013 CU_{27} 10 3.3 245.°16 1.°9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.20	+11 39.0	2.028	2.851	14.0	22.0
9 8	0 56.65	+11 27.9	1.942	2.845	10.9	21.8
9 18	0 50.14	+11 1.6	1.879	2.839	7.3	21.6
9 28	0 42.28	+10 21.9	1.841	2.833	3.6	21.3
10 8	0 33.89	+ 9 32.9	1.831	2.826	2.2	21.2
10 18	0 25.89	+ 8 40.0	1.850	2.820	5.7	21.4
10 28	0 19.17	+ 7 49.5	1.895	2.813	9.5	21.7
11 7	0 14.40	+ 7 7.1	1.965	2.806	12.8	21.9

287670 2003 OT_{20} 10 3.3 91.°88 4.°6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.02	+20 12.3	2.406	3.172	13.7	20.4
9 8	0 58.37	+20 36.0	2.337	3.192	11.2	20.3
9 18	0 51.02	+20 43.0	2.290	3.211	8.5	20.1
9 28	0 42.54	+20 32.9	2.268	3.230	5.9	20.0
10 8	0 33.72	+20 7.5	2.274	3.249	4.6	19.9
10 18	0 25.38	+19 30.6	2.309	3.268	5.7	20.0
10 28	0 18.30	+18 47.3	2.372	3.286	8.0	20.2
11 7	0 13.00	+18 3.5	2.461	3.304	10.5	20.4

50104 2000 AU_{111} 10 3.3 326.°76 1.°1/ 4.2 18

8 29	0 58.13	+ 9 56.0	1.252	2.117	18.4	18.8
9 8	0 55.37	+ 9 26.6	1.176	2.105	14.3	18.5
9 18	0 49.84	+ 8 34.1	1.119	2.093	9.3	18.2
9 28	0 42.28	+ 7 22.2	1.085	2.082	3.8	17.8
10 8	0 33.88	+ 5 59.2	1.074	2.071	2.5	17.7
10 18	0 26.03	+ 4 35.6	1.088	2.061	8.2	18.0
10 28	0 20.08	+ 3 23.0	1.125	2.052	13.5	18.3
11 7	0 16.93	+ 2 29.6	1.182	2.044	18.1	18.6

510010 2009 WK_{70} 10 3.3 268.°82 1.°5/ 2.1 18

8 29	1 2.77	+ 2 53.3	1.671	2.530	14.8	22.1
9 8	0 58.24	+ 2 16.9	1.587	2.516	11.2	21.8
9 18	0 51.35	+ 1 28.7	1.524	2.501	6.9	21.5
9 28	0 42.77	+ 0 33.6	1.487	2.485	2.5	21.2
10 8	0 33.47	− 0 21.8	1.477	2.470	3.3	21.2
10 18	0 24.60	− 1 10.0	1.494	2.454	7.9	21.5
10 28	0 17.25	− 1 44.6	1.536	2.438	12.3	21.7
11 7	0 12.23	− 2 1.8	1.600	2.422	16.2	21.9

485300 2011 AJ_{49} 10 3.3 277.°36 3.°8/ 7.5 17

8 29	0 59.96	+17 31.1	2.362	3.152	13.2	21.9
9 8	0 55.57	+17 38.8	2.266	3.140	10.8	21.7
9 18	0 49.43	+17 30.7	2.191	3.128	7.9	21.5
9 28	0 42.04	+17 6.6	2.141	3.116	5.1	21.3
10 8	0 34.12	+16 28.7	2.119	3.104	3.8	21.2
10 18	0 26.48	+15 40.9	2.125	3.092	5.4	21.3
10 28	0 19.92	+14 48.9	2.159	3.079	8.3	21.5
11 7	0 15.08	+13 58.5	2.219	3.067	11.3	21.7

380839 2006 AP_{57} 10 3.3 224.°97 7.°5/26.5 18

8 29	1 6.28	−15 20.4	1.866	2.730	13.3	20.5
9 8	1 0.50	−16 21.7	1.804	2.724	10.6	20.3
9 18	0 52.54	−17 17.6	1.765	2.718	8.3	20.2
9 28	0 43.11	−17 59.9	1.752	2.712	7.6	20.1
10 8	0 33.24	−18 21.9	1.765	2.705	8.9	20.2
10 18	0 23.97	−18 19.7	1.804	2.698	11.5	20.3
10 28	0 16.29	−17 52.5	1.867	2.690	14.2	20.5
11 7	0 10.85	−17 2.6	1.949	2.683	16.8	20.7

481446 2006 WH_{162} 10 3.3 306.°23 3.°5/30.1 18

8 29	1 1.06	− 3 40.0	1.911	2.779	12.9	21.0
9 8	0 56.53	− 4 22.9	1.840	2.773	9.6	20.8
9 18	0 50.05	− 5 10.3	1.792	2.768	6.1	20.6
9 28	0 42.25	− 5 56.3	1.770	2.762	3.6	20.4
10 8	0 33.99	− 6 34.8	1.775	2.757	4.8	20.5
10 18	0 26.20	− 7 0.5	1.808	2.751	8.2	20.7
10 28	0 19.76	− 7 9.9	1.866	2.746	11.7	20.9
11 7	0 15.31	− 7 1.6	1.946	2.741	14.7	21.1

223584 2004 FY_{107} 10 3.3 50.°93 0.°5/ 2.9 17

8 29	1 0.40	+ 7 15.9	1.364	2.228	17.3	19.8
9 8	0 56.58	+ 6 20.6	1.306	2.236	13.0	19.6
9 18	0 50.28	+ 5 6.8	1.269	2.245	8.1	19.3
9 28	0 42.34	+ 3 41.1	1.255	2.254	2.7	19.0
10 8	0 33.94	+ 2 13.1	1.268	2.264	2.8	19.1
10 18	0 26.28	+ 0 52.8	1.306	2.273	8.0	19.4
10 28	0 20.48	− 0 11.2	1.369	2.283	12.6	19.7
11 7	0 17.21	− 0 53.7	1.453	2.293	16.5	20.0

77191 2001 FE_{11} 10 3.3 50.°40 0.°7/ 3.8 18

8 29	1 6.91	+ 6 16.9	1.286	2.146	18.4	18.8
9 8	1 1.61	+ 6 25.1	1.231	2.157	14.0	18.6
9 18	0 53.49	+ 6 18.9	1.195	2.168	8.9	18.4
9 28	0 43.48	+ 6 1.2	1.183	2.181	3.4	18.1
10 8	0 32.96	+ 5 37.7	1.196	2.193	2.5	18.1
10 18	0 23.35	+ 5 14.7	1.235	2.206	7.8	18.4
10 28	0 15.91	+ 4 58.9	1.298	2.219	12.6	18.7
11 7	0 11.37	+ 4 54.9	1.382	2.232	16.7	19.0

212421 2006 KV_{120} 10 3.3 181.°53 3.°1/30.7 17

8 29	1 5.68	− 0 37.2	1.666	2.528	14.7	20.9
9 8	1 0.22	− 1 34.4	1.599	2.529	11.0	20.7
9 18	0 52.45	− 2 40.2	1.553	2.530	6.8	20.5
9 28	0 43.11	− 3 47.8	1.535	2.530	3.3	20.3
10 8	0 33.26	− 4 49.2	1.543	2.529	4.7	20.4
10 18	0 24.03	− 5 37.2	1.580	2.528	8.8	20.6
10 28	0 16.46	− 6 6.8	1.641	2.526	12.7	20.8
11 7	0 11.26	− 6 15.9	1.724	2.523	16.1	21.1

249040 2007 TM_{62} 10 3.3 96.°87 1.°9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.26	+13 57.4	1.930	2.749	14.7	21.2
9 8	0 55.83	+13 13.0	1.864	2.763	11.5	21.1
9 18	0 49.53	+12 9.8	1.820	2.778	7.7	20.9
9 28	0 42.04	+10 51.3	1.802	2.793	3.8	20.7
10 8	0 34.22	+ 9 23.7	1.812	2.807	2.2	20.6
10 18	0 26.98	+ 7 54.6	1.850	2.821	5.6	20.8
10 28	0 21.13	+ 6 31.7	1.917	2.835	9.3	21.1
11 7	0 17.23	+ 5 21.4	2.007	2.848	12.6	21.3

321417 2009 QL_{16} 10 3.3 270.°89 2.°0/30.9 18

8 29	0 57.20	+ 1 34.6	2.252	3.109	11.6	20.6
9 8	0 53.39	+ 0 30.7	2.175	3.105	8.6	20.4
9 18	0 47.98	− 0 41.9	2.123	3.100	5.2	20.2
9 28	0 41.51	− 1 58.2	2.098	3.095	2.3	20.0
10 8	0 34.66	− 3 11.8	2.102	3.090	3.3	20.1
10 18	0 28.17	− 4 16.8	2.135	3.086	6.7	20.3
10 28	0 22.76	− 5 8.2	2.195	3.081	9.9	20.5
11 7	0 18.97	− 5 43.0	2.278	3.076	12.7	20.7

471522 2012 GR_{18} 10 3.3 125.°04 1.°4/ 2.0 17

8 29	1 4.36	+ 3 59.0	1.690	2.544	15.0	22.0
9 8	0 59.07	+ 3 3.4	1.632	2.558	11.1	21.8
9 18	0 51.62	+ 1 55.7	1.596	2.571	6.8	21.6
9 28	0 42.78	+ 0 42.1	1.586	2.584	2.4	21.3
10 8	0 33.59	− 0 29.9	1.604	2.597	3.2	21.4
10 18	0 25.10	− 1 32.6	1.650	2.608	7.5	21.7
10 28	0 18.25	− 2 20.1	1.722	2.620	11.5	22.0
11 7	0 13.66	− 2 49.2	1.816	2.630	14.9	22.2

329894 2005 GD_{38} 10 3.3 158.°91 1.°8/ 5.1 17

8 29	1 3.50	+12 28.4	1.697	2.524	16.1	21.2
9 8	0 58.60	+11 56.1	1.624	2.529	12.5	21.0
9 18	0 51.45	+11 4.2	1.572	2.534	8.3	20.8
9 28	0 42.77	+ 9 55.5	1.545	2.538	3.9	20.5
10 8	0 33.57	+ 8 36.6	1.546	2.542	2.3	20.4
10 18	0 24.98	+ 7 15.4	1.574	2.545	6.5	20.7
10 28	0 18.00	+ 6 0.6	1.629	2.547	10.7	21.0
11 7	0 13.33	+ 4 59.1	1.708	2.549	14.4	21.2

9920 Bagnulo 10 3.3 73.°75 1.°8/ 5.1 18

8 29	1 0.65	+11 27.9	1.914	2.742	14.5	17.8
9 8	0 56.24	+11 11.1	1.840	2.746	11.2	17.6
9 18	0 49.87	+10 38.3	1.788	2.751	7.5	17.4
9 28	0 42.19	+ 9 52.2	1.762	2.755	3.6	17.2
10 8	0 34.07	+ 8 57.4	1.764	2.759	2.2	17.1
10 18	0 26.45	+ 7 59.9	1.793	2.763	5.8	17.3
10 28	0 20.20	+ 7 6.5	1.849	2.768	9.6	17.6
11 7	0 15.95	+ 6 22.6	1.929	2.772	12.9	17.8

252139 2000 YX_{47} 10 3.3 299.°31 4.°7/27.9 18

8 29	0 58.38	− 7 15.6	2.110	2.982	11.7	19.6
9 8	0 54.36	− 8 27.7	2.044	2.977	8.8	19.4
9 18	0 48.62	− 9 41.9	2.002	2.973	6.1	19.2
9 28	0 41.73	−10 51.5	1.987	2.969	4.7	19.2
10 8	0 34.47	−11 49.7	2.000	2.965	6.1	19.2
10 18	0 27.63	−12 31.3	2.040	2.961	8.9	19.4
10 28	0 21.98	−12 53.1	2.104	2.956	11.7	19.6
11 7	0 18.08	−12 54.3	2.190	2.953	14.3	19.8

228706 2002 QA_{105} 10 3.3 333.°93 0.°0/ 3.2 17

8 29	0 58.22	+ 5 49.4	2.055	2.903	12.9	20.7
9 8	0 54.34	+ 5 27.2	1.974	2.896	9.7	20.5
9 18	0 48.68	+ 4 54.1	1.915	2.888	6.1	20.3
9 28	0 41.78	+ 4 13.3	1.883	2.881	2.2	20.0
10 8	0 34.42	+ 3 29.5	1.878	2.874	1.9	20.0
10 18	0 27.43	+ 2 48.0	1.902	2.868	6.0	20.3
10 28	0 21.64	+ 2 14.0	1.952	2.862	9.7	20.5
11 7	0 17.64	+ 1 51.4	2.025	2.856	12.9	20.7

516761 2009 SX_{352} 10 3.3 18.°31 4.°6/30.5 18

8 29	1 12.01	−10 17.6	1.883	2.737	13.7	20.0
9 8	1 4.61	−10 7.1	1.819	2.741	10.4	19.9
9 18	0 54.99	− 9 52.2	1.778	2.745	7.1	19.7
9 28	0 43.96	− 9 28.7	1.765	2.750	4.7	19.5
10 8	0 32.59	− 8 53.0	1.780	2.755	5.6	19.6
10 18	0 21.96	− 8 4.0	1.825	2.761	8.7	19.8
10 28	0 13.06	− 7 1.8	1.896	2.767	12.0	20.0
11 7	0 6.51	− 5 48.1	1.991	2.774	14.9	20.2

122738 2000 SA_{52} 10 3.3 320.°62 2.°5/ 5.3 18

8 29	1 1.32	+11 14.8	1.467	2.312	17.3	19.8
9 8	0 57.50	+11 20.6	1.385	2.300	13.6	19.5
9 18	0 51.07	+11 7.9	1.323	2.288	9.2	19.2
9 28	0 42.73	+10 37.9	1.284	2.277	4.6	18.9
10 8	0 33.57	+ 9 55.0	1.271	2.266	2.9	18.8
10 18	0 24.87	+ 9 6.0	1.283	2.256	7.2	19.0
10 28	0 17.90	+ 8 19.3	1.319	2.246	11.9	19.3
11 7	0 13.54	+ 7 42.4	1.378	2.237	16.2	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
151401	2002 EC_{101}	10 3.3	228.°63	0.°6/	2.7	18
	h m	° ′			°	m
8 29	1 2.68	+ 3 5.7	2.397	3.238	11.5	19.9
9 8	0 57.42	+ 2 53.8	2.312	3.231	8.7	19.7
9 18	0 50.48	+ 2 34.8	2.252	3.224	5.4	19.4
9 28	0 42.40	+ 2 11.5	2.219	3.217	1.9	19.2
10 8	0 33.90	+ 1 47.5	2.215	3.209	2.1	19.2
10 18	0 25.73	+ 1 26.8	2.241	3.202	5.6	19.4
10 28	0 18.67	+ 1 12.8	2.294	3.194	8.9	19.6
11 7	0 13.28	+ 1 8.4	2.373	3.186	11.8	19.8
477884	2011 JO_6	10 3.3	173.°32	2.°6/	1.1	18
8 29	1 4.50	− 0 41.7	1.789	2.649	14.0	21.9
9 8	0 59.19	− 1 20.3	1.721	2.651	10.4	21.7
9 18	0 51.74	− 2 6.0	1.676	2.652	6.5	21.4
9 28	0 42.86	− 2 53.2	1.657	2.653	2.9	21.2
10 8	0 33.52	− 3 35.5	1.666	2.654	4.1	21.3
10 18	0 24.76	− 4 7.0	1.702	2.654	8.0	21.5
10 28	0 17.53	− 4 23.7	1.765	2.654	11.7	21.8
11 7	0 12.49	− 4 23.4	1.849	2.654	15.0	22.0
476864	2008 UC_{356}	10 3.4	299.°12	9.°9/15.1		17
8 29	0 58.32	+35 11.3	1.761	2.466	20.0	21.1
9 8	0 55.29	+35 7.3	1.656	2.446	17.9	20.9
9 18	0 49.73	+34 27.1	1.566	2.426	15.3	20.6
9 28	0 42.27	+33 5.6	1.495	2.406	12.6	20.4
10 8	0 34.00	+31 2.2	1.446	2.387	10.4	20.3
10 18	0 26.16	+28 22.7	1.423	2.367	10.0	20.2
10 28	0 20.01	+25 19.4	1.427	2.348	11.7	20.2
11 7	0 16.40	+22 9.1	1.456	2.329	14.6	20.4
247850	2003 SX_{418}	10 3.4	227.°59	4.°8/28.3		18
8 29	1 0.39	− 5 57.1	1.907	2.779	12.7	21.1
9 8	0 56.04	− 7 15.4	1.840	2.775	9.6	20.9
9 18	0 49.76	− 8 37.6	1.798	2.771	6.4	20.7
9 28	0 42.17	− 9 56.0	1.781	2.766	4.8	20.6
10 8	0 34.15	−11 2.8	1.793	2.762	6.3	20.7
10 18	0 26.60	−11 51.9	1.831	2.757	9.4	20.8
10 28	0 20.40	−12 19.2	1.894	2.752	12.6	21.0
11 7	0 16.17	−12 24.0	1.978	2.747	15.4	21.2
353290	2010 GB_{123}	10 3.4	103.°97	0.°1/	3.5	18
8 29	1 0.40	+ 8 10.1	1.873	2.715	14.2	21.0
9 8	0 56.02	+ 7 25.0	1.805	2.723	10.7	20.8
9 18	0 49.71	+ 6 25.3	1.761	2.732	6.8	20.6
9 28	0 42.14	+ 5 15.3	1.742	2.740	2.5	20.4
10 8	0 34.20	+ 4 1.6	1.752	2.748	2.0	20.3
10 18	0 26.80	+ 2 51.3	1.789	2.756	6.2	20.6
10 28	0 20.79	+ 1 51.0	1.854	2.764	10.1	20.9
11 7	0 16.77	+ 1 5.5	1.942	2.772	13.4	21.1
427715	2004 FB_{152}	10 3.4	154.°77	1.°2/	2.3	17
8 29	1 3.55	+ 4 12.5	1.750	2.603	14.6	21.7
9 8	0 58.50	+ 3 24.5	1.683	2.608	10.9	21.5
9 18	0 51.33	+ 2 24.3	1.638	2.613	6.7	21.3
9 28	0 42.73	+ 1 17.3	1.620	2.618	2.3	21.0
10 8	0 33.69	+ 0 10.6	1.629	2.622	2.9	21.1
10 18	0 25.24	− 0 48.7	1.666	2.626	7.3	21.3
10 28	0 18.34	− 1 34.3	1.729	2.629	11.3	21.6
11 7	0 13.64	− 2 2.6	1.815	2.632	14.7	21.8
339259	2004 VG_{66}	10 3.4	327.°52	0.°6/	3.8	18
8 29	1 1.28	+ 7 30.7	1.519	2.374	16.3	21.3
9 8	0 57.27	+ 7 16.1	1.443	2.367	12.5	21.0
9 18	0 50.81	+ 6 45.9	1.388	2.360	8.0	20.7
9 28	0 42.61	+ 6 3.4	1.357	2.354	3.1	20.4
10 8	0 33.75	+ 5 14.4	1.351	2.348	2.2	20.4
10 18	0 25.41	+ 4 26.3	1.372	2.342	7.3	20.7
10 28	0 18.75	+ 3 46.4	1.418	2.337	11.9	20.9
11 7	0 14.54	+ 3 20.3	1.486	2.333	15.9	21.2
77063	2001 DK_{19}	10 3.4	131.°02	3.°7/30.5		17
8 29	1 6.72	− 3 5.6	1.569	2.436	15.2	20.1
9 8	1 1.04	− 3 46.4	1.510	2.443	11.4	19.8
9 18	0 52.97	− 4 32.3	1.473	2.449	7.2	19.6
9 28	0 43.31	− 5 16.5	1.462	2.455	3.9	19.4
10 8	0 33.21	− 5 51.9	1.477	2.461	5.2	19.5
10 18	0 23.87	− 6 12.8	1.520	2.467	9.1	19.8
10 28	0 16.33	− 6 15.6	1.587	2.473	13.1	20.0
11 7	0 11.28	− 5 59.5	1.675	2.478	16.4	20.3
265527	2005 NC_8	10 3.4	291.°95	5.°3/28.4		18
8 29	0 59.75	− 3 45.6	1.451	2.335	15.3	20.2
9 8	0 56.18	− 5 19.5	1.382	2.324	11.4	19.9
9 18	0 50.16	− 7 2.6	1.335	2.313	7.6	19.7
9 28	0 42.39	− 8 44.9	1.312	2.301	5.3	19.5
10 8	0 33.96	−10 14.8	1.316	2.290	7.3	19.6
10 18	0 26.07	−11 22.7	1.344	2.279	11.3	19.8
10 28	0 19.88	−12 2.6	1.395	2.268	15.3	20.0
11 7	0 16.15	−12 13.0	1.465	2.258	18.8	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394212	2006 SQ_{226}	10 3.4	70.°11	2.°3/	5.8	18
	h m	° ′			°	m
8 29	1 0.07	+13 25.0	1.924	2.745	14.7	20.9
9 8	0 55.83	+13 6.5	1.848	2.749	11.5	20.7
9 18	0 49.65	+12 30.6	1.794	2.752	7.9	20.5
9 28	0 42.14	+11 39.2	1.766	2.755	4.1	20.3
10 8	0 34.20	+10 37.2	1.764	2.759	2.5	20.2
10 18	0 26.73	+ 9 30.9	1.791	2.762	5.7	20.4
10 28	0 20.63	+ 8 27.5	1.845	2.766	9.5	20.7
11 7	0 16.51	+ 7 33.1	1.922	2.769	12.8	20.9
148285	2000 GC_{158}	10 3.4	213.°39	1.°7/	1.8	18
8 29	1 4.07	+ 2 2.7	1.895	2.748	13.6	21.1
9 8	0 58.88	+ 1 20.5	1.816	2.741	10.2	20.8
9 18	0 51.60	+ 0 28.5	1.759	2.735	6.3	20.6
9 28	0 42.87	− 0 28.4	1.729	2.727	2.4	20.3
10 8	0 33.59	− 1 23.8	1.728	2.719	3.3	20.4
10 18	0 24.78	− 2 11.5	1.755	2.711	7.4	20.6
10 28	0 17.37	− 2 45.9	1.808	2.702	11.3	20.8
11 7	0 12.06	− 3 3.9	1.884	2.692	14.6	21.0
60884	2000 JH_6	10 3.4	3.°61	1.°0/	4.1	18
8 29	0 59.71	+ 8 29.9	0.998	1.879	20.7	18.4
9 8	0 56.97	+ 8 16.9	0.940	1.878	16.0	18.1
9 18	0 51.01	+ 7 40.9	0.900	1.877	10.3	17.8
9 28	0 42.76	+ 6 46.5	0.880	1.878	4.1	17.5
10 8	0 33.71	+ 5 42.7	0.883	1.880	2.8	17.4
10 18	0 25.53	+ 4 40.4	0.908	1.883	9.0	17.8
10 28	0 19.72	+ 3 50.7	0.954	1.887	14.7	18.1
11 7	0 17.14	+ 3 21.0	1.019	1.892	19.5	18.4
402818	2007 EJ_{63}	10 3.4	183.°73	0.°7/	2.5	18
8 29	0 59.39	+ 3 58.9	2.545	3.386	10.9	22.3
9 8	0 54.84	+ 3 23.3	2.466	3.386	8.2	22.1
9 18	0 48.82	+ 2 39.4	2.413	3.386	5.0	21.9
9 28	0 41.84	+ 1 50.7	2.387	3.386	1.7	21.7
10 8	0 34.52	+ 1 1.7	2.391	3.385	2.1	21.7
10 18	0 27.55	+ 0 16.8	2.424	3.384	5.4	21.9
10 28	0 21.59	− 0 19.9	2.486	3.383	8.4	22.1
11 7	0 17.12	− 0 45.5	2.572	3.381	11.1	22.3
327581	2006 DC_{132}	10 3.4	262.°39	3.°6/28.8		18
8 29	0 57.47	− 4 19.7	2.362	3.228	10.8	20.8
9 8	0 53.55	− 5 30.8	2.288	3.220	8.0	20.6
9 18	0 48.10	− 6 46.3	2.238	3.212	5.3	20.4
9 28	0 41.60	− 8 0.4	2.216	3.204	3.6	20.3
10 8	0 34.74	− 9 7.0	2.223	3.196	4.9	20.4
10 18	0 28.21	−10 0.7	2.258	3.187	7.6	20.5
10 28	0 22.71	−10 37.6	2.318	3.179	10.5	20.7
11 7	0 18.76	−10 56.2	2.402	3.171	13.0	20.9
156652	2002 JO_{55}	10 3.4	173.°13	5.°8/26.2		18
8 29	1 4.04	−17 29.8	2.866	3.713	9.7	20.8
9 8	0 58.08	−18 13.3	2.808	3.716	7.8	20.6
9 18	0 50.72	−18 51.0	2.777	3.718	6.3	20.6
9 28	0 42.48	−19 18.1	2.773	3.720	5.8	20.5
10 8	0 34.02	−19 30.7	2.797	3.722	6.7	20.6
10 18	0 25.99	−19 26.7	2.849	3.723	8.4	20.7
10 28	0 19.02	−19 5.6	2.927	3.723	10.3	20.8
11 7	0 13.55	−18 28.4	3.027	3.723	12.1	21.0
282963	2007 RO_{277}	10 3.4	67.°16	8.°5/25.1		16
8 29	1 2.37	−14 25.7	1.589	2.468	14.4	19.9
9 8	0 57.58	−16 16.1	1.562	2.491	11.4	19.8
9 18	0 50.66	−17 59.0	1.559	2.514	9.1	19.7
9 28	0 42.47	−19 23.7	1.582	2.538	8.6	19.7
10 8	0 34.09	−20 22.3	1.629	2.561	10.1	19.9
10 18	0 26.57	−20 50.9	1.700	2.584	12.6	20.1
10 28	0 20.80	−20 49.3	1.793	2.607	15.1	20.3
11 7	0 17.28	−20 20.9	1.904	2.630	17.3	20.5
260402	2004 XS_6	10 3.4	311.°00	4.°8/28.7		18
8 29	1 1.30	− 8 42.1	2.043	2.912	12.1	19.7
9 8	0 56.68	− 9 23.5	1.968	2.899	9.2	19.5
9 18	0 50.17	−10 4.9	1.916	2.886	6.4	19.3
9 28	0 42.36	−10 40.6	1.891	2.874	4.8	19.2
10 8	0 34.09	−11 4.7	1.894	2.862	6.1	19.2
10 18	0 26.24	−11 13.0	1.923	2.850	9.0	19.4
10 28	0 19.66	−11 3.0	1.977	2.838	12.0	19.6
11 7	0 14.98	−10 34.7	2.053	2.827	14.8	19.7
469778	2005 QZ_{130}	10 3.4	51.°60	2.°7/	1.4	16
8 29	1 4.59	+ 0 36.5	1.237	2.116	17.7	21.1
9 8	0 59.73	− 0 5.6	1.197	2.136	13.1	20.9
9 18	0 52.21	− 0 57.4	1.176	2.156	8.0	20.7
9 28	0 43.06	− 1 51.2	1.180	2.177	3.3	20.5
10 8	0 33.60	− 2 38.2	1.208	2.199	4.5	20.6
10 18	0 25.19	− 3 11.3	1.261	2.220	9.2	21.0
10 28	0 18.91	− 3 25.7	1.338	2.242	13.6	21.3
11 7	0 15.37	− 3 20.1	1.434	2.264	17.3	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
78657 2002 TS_{76}			10 3.4	75.°16	2.°2/ 5.5	18 R
	h m	° ′			°	m
8 29	1 1.91	+12 20.8	1.839	2.665	15.1	19.0
9 8	0 57.25	+12 12.0	1.771	2.674	11.8	18.8
9 18	0 50.55	+11 46.5	1.724	2.683	8.0	18.6
9 28	0 42.49	+11 6.5	1.702	2.692	4.0	18.4
10 8	0 34.02	+10 16.5	1.707	2.701	2.5	18.3
10 18	0 26.09	+ 9 22.5	1.740	2.711	5.9	18.5
10 28	0 19.64	+ 8 31.4	1.799	2.720	9.7	18.8
11 7	0 15.28	+ 7 48.9	1.883	2.729	13.1	19.0
574 Reginhild			10 3.4	332.°53	4.°2/ 5.5	18
8 29	1 0.10	+10 23.2	1.005	1.880	21.1	14.7
9 8	0 57.76	+11 15.2	0.926	1.857	16.9	14.4
9 18	0 51.94	+11 49.1	0.864	1.835	11.8	14.0
9 28	0 43.28	+12 3.3	0.822	1.815	6.5	13.7
10 8	0 33.19	+11 59.3	0.801	1.796	4.5	13.5
10 18	0 23.50	+11 42.7	0.802	1.779	9.4	13.7
10 28	0 16.12	+11 22.8	0.823	1.763	15.3	14.0
11 7	0 12.35	+11 9.1	0.861	1.750	20.6	14.2
159054 2004 TW_{139}			10 3.4	307.°34	3.°4/ 7.1	18
8 29	0 57.42	+16 54.4	2.056	2.863	14.4	19.9
9 8	0 53.95	+16 39.5	1.958	2.845	11.6	19.6
9 18	0 48.59	+16 5.0	1.880	2.827	8.4	19.4
9 28	0 41.86	+15 11.8	1.828	2.809	5.1	19.2
10 8	0 34.53	+14 3.4	1.802	2.792	3.4	19.0
10 18	0 27.50	+12 45.5	1.803	2.774	5.7	19.2
10 28	0 21.66	+11 25.9	1.832	2.758	9.2	19.3
11 7	0 17.68	+10 12.2	1.886	2.741	12.7	19.5
132762 2002 PU_{72}			10 3.4	52.°35	1.°0/ 4.7	18
8 29	0 56.75	+11 27.1	2.341	3.166	12.3	19.4
9 8	0 53.03	+10 40.6	2.262	3.168	9.5	19.2
9 18	0 47.77	+ 9 39.4	2.206	3.170	6.2	19.0
9 28	0 41.50	+ 8 26.8	2.177	3.172	2.7	18.8
10 8	0 34.89	+ 7 7.9	2.177	3.174	1.6	18.7
10 18	0 28.66	+ 5 48.7	2.206	3.176	5.0	18.9
10 28	0 23.48	+ 4 35.4	2.264	3.178	8.3	19.2
11 7	0 19.87	+ 3 33.0	2.346	3.180	11.3	19.4
26486 2000 AQ_{231}			10 3.4	243.°34	0.°0/ 3.2	18
8 29	0 52.53	+ 5 31.7	4.634	5.462	6.6	19.7
9 8	0 49.19	+ 5 12.0	4.546	5.458	4.9	19.6
9 18	0 45.09	+ 4 47.6	4.485	5.454	3.1	19.5
9 28	0 40.51	+ 4 19.9	4.452	5.449	1.1	19.3
10 8	0 35.75	+ 3 51.1	4.449	5.445	0.9	19.3
10 18	0 31.15	+ 3 23.1	4.477	5.441	2.9	19.4
10 28	0 27.03	+ 2 58.1	4.535	5.436	4.8	19.6
11 7	0 23.67	+ 2 37.8	4.619	5.432	6.5	19.7
461227 2015 VJ_{150}			10 3.4	288.°29	2.°4/30.2	18
8 29	0 56.63	+ 0 57.5	2.273	3.133	11.4	20.5
9 8	0 53.09	− 0 21.4	2.181	3.112	8.5	20.2
9 18	0 47.92	− 1 50.6	2.114	3.091	5.2	20.0
9 28	0 41.60	− 3 24.5	2.074	3.070	2.6	19.8
10 8	0 34.79	− 4 55.9	2.064	3.049	3.9	19.9
10 18	0 28.24	− 6 18.0	2.082	3.027	7.2	20.0
10 28	0 22.71	− 7 24.8	2.128	3.006	10.5	20.2
11 7	0 18.78	− 8 12.7	2.196	2.985	13.5	20.4
173117 Promachus			10 3.4	345.°71	0.°3/ 2.8	18
8 29	0 52.50	+ 4 53.2	3.734	4.571	7.8	19.4
9 8	0 49.34	+ 4 20.6	3.650	4.567	5.9	19.3
9 18	0 45.26	+ 3 42.0	3.592	4.564	3.6	19.1
9 28	0 40.58	+ 2 59.8	3.563	4.561	1.2	18.9
10 8	0 35.70	+ 2 16.7	3.563	4.558	1.3	18.9
10 18	0 31.01	+ 1 35.6	3.594	4.556	3.7	19.1
10 28	0 26.93	+ 0 59.4	3.653	4.553	5.9	19.3
11 7	0 23.77	+ 0 30.4	3.739	4.551	7.9	19.4
463195 2012 BV_{140}			10 3.4	77.°10	5.°3/ 7.3	17
8 29	1 7.80	+17 0.7	1.314	2.135	20.2	20.8
9 8	1 2.41	+17 27.1	1.258	2.151	16.3	20.6
9 18	0 54.09	+17 28.5	1.220	2.168	11.8	20.4
9 28	0 43.81	+17 4.4	1.204	2.184	7.4	20.2
10 8	0 32.97	+16 18.8	1.212	2.200	5.3	20.2
10 18	0 23.06	+15 19.5	1.246	2.216	7.9	20.4
10 28	0 15.38	+14 16.8	1.305	2.232	12.0	20.6
11 7	0 10.70	+13 20.5	1.385	2.248	15.9	20.9
45879 2000 WR_{33}			10 3.4	221.°69	1.°8/ 1.8	18
8 29	1 2.73	+ 3 41.5	1.580	2.441	15.5	19.8
9 8	0 58.25	+ 2 42.2	1.506	2.436	11.6	19.5
9 18	0 51.39	+ 1 28.5	1.453	2.430	7.2	19.3
9 28	0 42.87	+ 0 6.8	1.426	2.424	2.6	19.0
10 8	0 33.73	− 1 14.2	1.426	2.418	3.6	19.0
10 18	0 25.14	− 2 25.6	1.453	2.412	8.3	19.3
10 28	0 18.19	− 3 20.0	1.505	2.405	12.7	19.5
11 7	0 13.64	− 3 53.2	1.579	2.398	16.5	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
514142 2015 HK_{187}			10 3.4	23.°80	4.°0/ 6.5	18
	h m	° ′			°	m
8 29	1 1.07	+14 17.5	1.303	2.145	19.2	19.9
9 8	0 57.35	+14 33.2	1.245	2.154	15.2	19.7
9 18	0 50.95	+14 26.0	1.205	2.164	10.7	19.5
9 28	0 42.71	+13 56.9	1.187	2.174	6.1	19.2
10 8	0 33.91	+13 10.9	1.193	2.186	4.1	19.2
10 18	0 25.89	+12 15.7	1.225	2.199	7.4	19.4
10 28	0 19.85	+11 20.8	1.280	2.212	11.7	19.7
11 7	0 16.53	+10 34.7	1.356	2.226	15.7	20.0
90794 1994 RK_{26}			10 3.4	278.°53	4.°0/ 7.3	18
8 29	1 2.06	+16 51.2	2.194	2.988	14.0	19.6
9 8	0 57.33	+17 10.6	2.100	2.977	11.4	19.4
9 18	0 50.67	+17 14.0	2.028	2.967	8.4	19.2
9 28	0 42.61	+17 1.2	1.980	2.956	5.4	19.0
10 8	0 33.95	+16 34.0	1.960	2.945	4.0	18.9
10 18	0 25.59	+15 56.1	1.968	2.935	5.8	19.0
10 28	0 18.42	+15 13.1	2.004	2.924	8.9	19.1
11 7	0 13.14	+14 31.3	2.064	2.913	12.0	19.3
408599 2013 MJ_2			10 3.4	127.°29	4.°6/27.6	18
8 29	0 59.03	− 8 57.2	2.415	3.281	10.6	21.6
9 8	0 54.61	−10 4.4	2.358	3.287	8.0	21.4
9 18	0 48.69	−11 11.6	2.326	3.293	5.7	21.3
9 28	0 41.83	−12 12.8	2.322	3.299	4.6	21.2
10 8	0 34.69	−13 2.5	2.346	3.304	5.8	21.3
10 18	0 27.97	−13 36.7	2.397	3.309	8.2	21.5
10 28	0 22.34	−13 53.1	2.474	3.315	10.6	21.6
11 7	0 18.27	−13 51.3	2.573	3.320	12.8	21.8
43201 2000 AT_{69}			10 3.4	22.°79	10.°1/25.2	18
8 29	1 0.88	−16 26.5	1.298	2.189	16.2	17.7
9 8	0 57.02	−17 59.1	1.264	2.197	13.1	17.6
9 18	0 50.58	−19 22.0	1.251	2.206	10.7	17.5
9 28	0 42.53	−20 23.2	1.260	2.217	10.2	17.5
10 8	0 34.14	−20 54.1	1.292	2.228	11.8	17.6
10 18	0 26.69	−20 51.0	1.346	2.240	14.6	17.8
10 28	0 21.24	−20 14.9	1.420	2.253	17.4	18.0
11 7	0 18.40	−19 10.4	1.511	2.267	19.9	18.3
228567 2001 XH_{202}			10 3.4	225.°27	3.°2/ 6.4	18
8 29	1 2.96	+15 3.4	1.862	2.674	15.5	20.7
9 8	0 58.23	+14 58.5	1.776	2.668	12.4	20.5
9 18	0 51.32	+14 34.7	1.711	2.662	8.7	20.3
9 28	0 42.85	+13 52.8	1.670	2.655	5.0	20.1
10 8	0 33.76	+12 56.7	1.657	2.649	3.3	19.9
10 18	0 25.10	+11 52.3	1.671	2.642	6.2	20.1
10 28	0 17.87	+10 47.5	1.713	2.634	10.0	20.3
11 7	0 12.82	+ 9 49.6	1.778	2.627	13.6	20.5
299615 2006 HE_{110}			10 3.4	167.°93	12.°1/21.4	18
8 29	1 7.34	+45 41.6	2.344	2.914	18.4	20.6
9 8	1 1.85	+46 36.9	2.258	2.917	17.1	20.5
9 18	0 53.74	+47 4.0	2.186	2.921	15.6	20.4
9 28	0 43.75	+46 57.2	2.130	2.923	14.1	20.3
10 8	0 32.99	+46 14.1	2.094	2.925	12.9	20.2
10 18	0 22.77	+44 56.0	2.080	2.927	12.2	20.2
10 28	0 14.33	+43 9.1	2.089	2.928	12.3	20.2
11 7	0 8.50	+41 3.2	2.121	2.929	13.2	20.2
95594 2002 FS_{13}			10 3.4	58.°19	2.°7/ 1.2	18
8 29	1 7.35	− 3 34.6	1.909	2.765	13.4	18.2
9 8	1 0.92	− 3 43.6	1.864	2.791	9.9	18.0
9 18	0 52.61	− 3 55.0	1.843	2.817	6.2	17.9
9 28	0 43.19	− 4 4.5	1.849	2.844	3.0	17.7
10 8	0 33.60	− 4 7.8	1.883	2.870	3.9	17.8
10 18	0 24.79	− 4 2.0	1.946	2.896	7.3	18.1
10 28	0 17.57	− 3 45.1	2.036	2.922	10.5	18.3
11 7	0 12.45	− 3 16.6	2.148	2.949	13.3	18.6
517738 2015 MT_{88}			10 3.4	336.°93	4.°2/29.3	18
8 29	0 55.59	− 1 3.5	1.446	2.332	15.1	20.5
9 8	0 53.07	− 2 29.4	1.375	2.320	11.3	20.2
9 18	0 48.24	− 4 7.1	1.327	2.308	7.1	20.0
9 28	0 41.78	− 5 47.5	1.303	2.297	4.2	19.8
10 8	0 34.71	− 7 19.7	1.305	2.287	6.1	19.9
10 18	0 28.14	− 8 33.7	1.332	2.278	10.3	20.1
10 28	0 23.15	− 9 22.4	1.381	2.269	14.4	20.3
11 7	0 20.48	− 9 43.3	1.450	2.262	18.1	20.5
435132 2007 EF_{150}			10 3.4	6.°92	4.°1/29.9	18
8 29	0 58.09	− 0 24.6	1.273	2.161	16.6	20.1
9 8	0 55.08	− 1 45.8	1.216	2.161	12.4	19.8
9 18	0 49.52	− 3 18.7	1.180	2.162	7.7	19.6
9 28	0 42.22	− 4 53.6	1.169	2.164	4.2	19.4
10 8	0 34.38	− 6 18.7	1.181	2.166	6.0	19.5
10 18	0 27.26	− 7 24.2	1.219	2.169	10.5	19.8
10 28	0 21.99	− 8 3.7	1.278	2.173	14.9	20.0
11 7	0 19.29	− 8 15.2	1.357	2.178	18.6	20.3

54722 2001 JD_{10} 10 3.4 57.°51 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.61	+ 6 28.5	1.315	2.180	17.7	18.5
9 8	0 58.23	+ 5 42.3	1.268	2.198	13.3	18.3
9 18	0 51.32	+ 4 39.5	1.240	2.217	8.2	18.1
9 28	0 42.81	+ 3 26.7	1.237	2.235	2.8	17.8
10 8	0 33.94	+ 2 12.9	1.259	2.254	2.8	17.9
10 18	0 25.97	+ 1 7.3	1.306	2.273	8.0	18.2
10 28	0 19.98	+ 0 17.5	1.378	2.293	12.5	18.5
11 7	0 16.58	− 0 12.5	1.471	2.312	16.4	18.8

451391 2011 CR_{66} 10 3.4 261.°95 3.°2/29.0 17

8 29	0 58.25	− 4 13.9	2.628	3.488	10.0	21.9
9 8	0 54.09	− 5 17.9	2.539	3.468	7.5	21.7
9 18	0 48.45	− 6 26.4	2.475	3.448	4.9	21.5
9 28	0 41.80	− 7 34.3	2.439	3.428	3.3	21.3
10 8	0 34.72	− 8 36.3	2.433	3.407	4.4	21.4
10 18	0 27.89	− 9 27.4	2.456	3.386	7.1	21.5
10 28	0 21.96	−10 3.8	2.505	3.365	9.9	21.7
11 7	0 17.47	−10 23.7	2.578	3.343	12.3	21.8

139117 2001 FD_{60} 10 3.4 201.°88 2.°1/ 1.5 18

8 29	1 5.57	+ 0 50.0	1.817	2.671	14.0	20.7
9 8	1 0.10	+ 0 9.0	1.741	2.668	10.5	20.5
9 18	0 52.42	− 0 40.8	1.688	2.664	6.5	20.3
9 28	0 43.24	− 1 34.2	1.662	2.659	2.7	20.0
10 8	0 33.51	− 2 24.5	1.663	2.653	3.7	20.1
10 18	0 24.29	− 3 5.6	1.693	2.647	7.8	20.3
10 28	0 16.58	− 3 32.3	1.749	2.641	11.7	20.5
11 7	0 11.08	− 3 42.1	1.828	2.633	15.1	20.7

312463 2008 RZ_{20} 10 3.4 12.°35 1.°0/ 5.2 18

8 29	0 54.20	+10 25.3	4.064	4.873	7.8	19.9
9 8	0 50.53	+10 18.7	3.978	4.874	6.0	19.8
9 18	0 45.99	+10 5.0	3.918	4.875	4.0	19.7
9 28	0 40.87	+ 9 45.7	3.885	4.876	2.0	19.5
10 8	0 35.55	+ 9 22.4	3.882	4.877	1.2	19.5
10 18	0 30.41	+ 8 57.4	3.910	4.879	3.1	19.6
10 28	0 25.85	+ 8 33.1	3.967	4.880	5.1	19.8
11 7	0 22.18	+ 8 11.9	4.051	4.881	7.0	19.9

356820 2011 UQ_{389} 10 3.4 112.°84 1.°4/ 4.8 18

8 29	1 0.36	+10 44.0	1.974	2.804	14.0	20.8
9 8	0 56.03	+10 21.3	1.897	2.806	10.8	20.6
9 18	0 49.81	+ 9 43.3	1.843	2.807	7.2	20.4
9 28	0 42.29	+ 8 52.7	1.814	2.808	3.2	20.2
10 8	0 34.33	+ 7 54.5	1.813	2.810	1.9	20.1
10 18	0 26.82	+ 6 54.7	1.841	2.811	5.7	20.3
10 28	0 20.63	+ 5 59.8	1.895	2.812	9.5	20.6
11 7	0 16.36	+ 5 15.1	1.973	2.813	12.8	20.8

271070 2003 JC_5 10 3.4 46.°98 0.°8/ 2.7 16

8 29	1 3.23	+ 6 27.2	1.227	2.095	18.5	20.1
9 8	0 58.57	+ 5 29.0	1.196	2.129	13.7	19.9
9 18	0 51.40	+ 4 14.8	1.186	2.163	8.4	19.7
9 28	0 42.78	+ 2 52.5	1.199	2.198	2.8	19.5
10 8	0 34.04	+ 1 32.5	1.238	2.233	3.0	19.6
10 18	0 26.41	+ 0 24.0	1.302	2.269	8.1	20.0
10 28	0 20.88	− 0 26.2	1.391	2.304	12.5	20.4
11 7	0 17.96	− 0 55.0	1.500	2.340	16.2	20.7

332908 2011 BR_{79} 10 3.4 198.°87 1.°0/ 2.5 17

8 29	1 4.43	+ 3 51.3	1.827	2.676	14.2	22.1
9 8	0 59.23	+ 3 15.7	1.750	2.673	10.7	21.8
9 18	0 51.88	+ 2 28.8	1.696	2.671	6.6	21.6
9 28	0 43.05	+ 1 35.2	1.669	2.667	2.3	21.3
10 8	0 33.68	+ 0 41.1	1.669	2.663	2.8	21.3
10 18	0 24.82	− 0 7.0	1.698	2.659	7.1	21.6
10 28	0 17.43	− 0 43.6	1.753	2.654	11.2	21.8
11 7	0 12.21	− 1 4.7	1.831	2.648	14.6	22.0

103876 2000 DS_{47} 10 3.4 130.°39 1.°5/ 2.1 18

8 29	1 3.06	+ 3 43.3	1.663	2.520	15.0	20.6
9 8	0 58.25	+ 2 52.2	1.599	2.527	11.2	20.4
9 18	0 51.26	+ 1 48.9	1.558	2.534	6.9	20.2
9 28	0 42.81	+ 0 39.2	1.542	2.541	2.4	19.9
10 8	0 33.92	− 0 29.1	1.554	2.547	3.2	20.0
10 18	0 25.67	− 1 28.7	1.593	2.553	7.6	20.3
10 28	0 19.02	− 2 13.3	1.658	2.558	11.7	20.6
11 7	0 14.63	− 2 39.5	1.745	2.564	15.2	20.8

221502 2006 DS_{49} 10 3.4 314.°12 0.°3/ 3.6 18

8 29	1 2.03	+ 5 35.3	2.163	3.002	12.6	19.4
9 8	0 57.16	+ 5 34.5	2.080	2.996	9.6	19.2
9 18	0 50.48	+ 5 24.6	2.020	2.990	6.1	19.0
9 28	0 42.54	+ 5 7.9	1.987	2.985	2.3	18.7
10 8	0 34.12	+ 4 47.9	1.983	2.979	1.8	18.7
10 18	0 26.07	+ 4 28.6	2.007	2.974	5.7	18.9
10 28	0 19.23	+ 4 14.2	2.059	2.969	9.3	19.1
11 7	0 14.20	+ 4 8.0	2.135	2.964	12.4	19.3

167901 2005 EZ_{83} 10 3.4 273.°25 0.°3/ 3.7 18

	h m	° ′			°	m
8 29	0 59.61	+ 8 41.1	1.882	2.724	14.2	20.4
9 8	0 55.70	+ 7 55.2	1.790	2.707	10.9	20.1
9 18	0 49.75	+ 6 52.5	1.720	2.690	7.0	19.8
9 28	0 42.33	+ 5 36.8	1.676	2.673	2.6	19.5
10 8	0 34.27	+ 4 14.5	1.660	2.656	2.0	19.5
10 18	0 26.56	+ 2 53.2	1.671	2.639	6.5	19.7
10 28	0 20.14	+ 1 40.8	1.710	2.621	10.7	19.9
11 7	0 15.74	+ 0 43.6	1.772	2.603	14.4	20.1

92448 2000 KC_9 10 3.4 16.°50 4.°3/ 1.1 18

8 29	1 2.91	− 2 46.5	0.896	1.800	20.4	18.6
9 8	0 59.45	− 3 10.1	0.853	1.805	15.3	18.3
9 18	0 52.54	− 3 40.6	0.828	1.811	9.6	18.0
9 28	0 43.33	− 4 9.2	0.822	1.819	4.8	17.8
10 8	0 33.53	− 4 26.0	0.838	1.828	6.3	17.9
10 18	0 24.91	− 4 24.3	0.876	1.839	11.6	18.2
10 28	0 18.93	− 4 0.4	0.934	1.851	16.7	18.6
11 7	0 16.36	− 3 14.9	1.009	1.864	21.0	18.9

168552 1999 WV_7 10 3.4 298.°62 19.°2/20.6 17

8 29	1 1.36	+41 46.5	1.171	1.874	28.3	19.3
9 8	0 59.45	+43 39.1	1.091	1.857	26.6	19.0
9 18	0 53.49	+44 52.1	1.020	1.840	24.5	18.8
9 28	0 44.03	+45 11.7	0.962	1.823	22.2	18.6
10 8	0 32.65	+44 27.5	0.917	1.807	20.3	18.4
10 18	0 21.65	+42 36.4	0.889	1.791	19.3	18.3
10 28	0 13.49	+39 47.5	0.878	1.775	19.7	18.3
11 7	0 9.77	+36 21.5	0.885	1.760	21.5	18.3

429917 2012 TF_{174} 10 3.4 52.°78 1.°6/ 4.5 16

8 29	1 6.28	+ 8 48.6	1.372	2.221	18.0	20.6
9 8	1 0.91	+ 8 53.2	1.324	2.243	13.8	20.4
9 18	0 52.96	+ 8 41.3	1.297	2.266	8.9	20.1
9 28	0 43.40	+ 8 15.7	1.293	2.289	3.8	19.9
10 8	0 33.49	+ 7 42.1	1.315	2.312	2.4	19.9
10 18	0 24.52	+ 7 7.3	1.364	2.335	7.1	20.2
10 28	0 17.61	+ 6 38.1	1.437	2.359	11.5	20.6
11 7	0 13.38	+ 6 19.8	1.532	2.382	15.3	20.9

327565 2006 DL_{13} 10 3.4 275.°11 1.°7/ 1.2 17

8 29	0 58.43	+ 2 27.6	2.510	3.358	10.8	21.2
9 8	0 54.36	+ 1 23.8	2.406	3.330	8.1	21.0
9 18	0 48.72	+ 0 9.7	2.326	3.302	5.0	20.7
9 28	0 41.94	− 1 10.1	2.276	3.273	2.0	20.5
10 8	0 34.65	− 2 30.0	2.254	3.243	3.0	20.5
10 18	0 27.55	− 3 43.8	2.263	3.214	6.3	20.7
10 28	0 21.36	− 4 46.2	2.299	3.183	9.6	20.9
11 7	0 16.68	− 5 33.3	2.360	3.153	12.5	21.0

46982 1998 SP_{161} 10 3.4 239.°58 0.°2/ 3.6 18

8 29	0 59.22	+ 9 3.4	2.122	2.956	13.0	19.6
9 8	0 55.14	+ 8 6.4	2.033	2.946	10.0	19.3
9 18	0 49.26	+ 6 53.9	1.967	2.936	6.3	19.1
9 28	0 42.13	+ 5 29.6	1.928	2.925	2.3	18.8
10 8	0 34.52	+ 3 59.9	1.918	2.914	1.8	18.8
10 18	0 27.26	+ 2 31.9	1.937	2.903	5.9	19.0
10 28	0 21.16	+ 1 12.9	1.984	2.891	9.7	19.2
11 7	0 16.85	+ 0 8.5	2.055	2.879	13.0	19.4

340537 2006 JX_{54} 10 3.4 198.°93 9.°2/25.4 18

8 29	1 10.35	−22 20.8	1.986	2.831	13.4	20.2
9 8	1 3.44	−23 12.4	1.932	2.830	11.2	20.1
9 18	0 54.37	−23 52.2	1.901	2.828	9.6	20.0
9 28	0 43.90	−24 12.5	1.895	2.825	9.2	20.0
10 8	0 33.10	−24 7.6	1.916	2.823	10.3	20.0
10 18	0 23.04	−23 35.7	1.962	2.820	12.3	20.2
10 28	0 14.68	−22 38.0	2.030	2.817	14.6	20.3
11 7	0 8.63	−21 18.6	2.119	2.814	16.6	20.5

184014 2004 FA_{24} 10 3.4 269.°71 1.°4/ 4.7 18

8 29	1 1.60	+ 9 53.7	1.967	2.799	14.0	20.7
9 8	0 57.02	+ 9 43.7	1.887	2.796	10.9	20.5
9 18	0 50.48	+ 9 19.7	1.830	2.794	7.2	20.3
9 28	0 42.58	+ 8 44.0	1.798	2.792	3.2	20.0
10 8	0 34.18	+ 8 0.7	1.793	2.789	2.0	19.9
10 18	0 26.21	+ 7 15.2	1.817	2.787	5.8	20.2
10 28	0 19.56	+ 6 33.5	1.868	2.785	9.6	20.4
11 7	0 14.89	+ 6 0.8	1.942	2.782	13.0	20.6

398809 2013 BC_{38} 10 3.4 266.°80 2.°3/ 1.1 18

8 29	1 0.68	+ 0 37.3	1.910	2.771	13.2	21.4
9 8	0 56.37	− 0 11.6	1.831	2.762	9.8	21.2
9 18	0 50.10	− 1 9.3	1.775	2.753	6.1	20.9
9 28	0 42.45	− 2 10.6	1.746	2.743	2.7	20.7
10 8	0 34.29	− 3 8.7	1.745	2.733	3.8	20.7
10 18	0 26.54	− 3 57.4	1.771	2.724	7.6	21.0
10 28	0 20.10	− 4 31.3	1.823	2.714	11.3	21.2
11 7	0 15.64	− 4 47.6	1.897	2.704	14.6	21.4

439603 2014 EZ_{21} 10 3.4 51.°76 0.°9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.15	+ 8 25.2	1.676	2.521	15.5	21.3
9 8	0 57.63	+ 8 9.1	1.609	2.527	11.8	21.1
9 18	0 50.92	+ 7 38.1	1.564	2.533	7.6	20.8
9 28	0 42.73	+ 6 55.5	1.543	2.540	3.1	20.6
10 8	0 34.08	+ 6 6.9	1.550	2.546	2.0	20.5
10 18	0 26.02	+ 5 18.7	1.583	2.553	6.5	20.8
10 28	0 19.54	+ 4 37.5	1.643	2.560	10.7	21.1
11 7	0 15.30	+ 4 8.4	1.725	2.567	14.3	21.3

347017 2010 DB_{78} 10 3.4 257.°62 2.°0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.54	+10 52.5	1.854	2.682	14.9	21.3
9 8	0 58.72	+10 50.3	1.765	2.671	11.7	21.1
9 18	0 51.70	+10 32.8	1.697	2.659	7.9	20.8
9 28	0 43.06	+10 1.4	1.655	2.647	3.8	20.6
10 8	0 33.75	+ 9 20.0	1.640	2.635	2.4	20.4
10 18	0 24.82	+ 8 34.2	1.653	2.623	6.2	20.7
10 28	0 17.29	+ 7 50.5	1.692	2.611	10.3	20.9
11 7	0 11.94	+ 7 15.0	1.756	2.598	14.0	21.1

485594 2011 UD_{247} 10 3.4 326.°57 1.°1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.68	+ 9 37.0	1.573	2.425	15.9	21.5
9 8	0 54.63	+ 9 14.4	1.487	2.408	12.4	21.2
9 18	0 49.27	+ 8 33.5	1.422	2.392	8.1	20.9
9 28	0 42.23	+ 7 37.2	1.380	2.377	3.4	20.6
10 8	0 34.46	+ 6 31.5	1.365	2.362	2.2	20.5
10 18	0 27.09	+ 5 24.3	1.375	2.347	7.0	20.8
10 28	0 21.22	+ 4 24.2	1.411	2.334	11.6	21.0
11 7	0 17.66	+ 3 38.2	1.468	2.321	15.7	21.2

319361 2006 DB_{19} 10 3.4 40.°27 2.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.00	+ 0 40.3	1.308	2.188	16.9	19.7
9 8	0 57.76	− 0 6.4	1.265	2.205	12.5	19.5
9 18	0 51.04	− 1 2.7	1.242	2.223	7.7	19.3
9 28	0 42.76	− 2 1.0	1.244	2.241	3.2	19.0
10 8	0 34.15	− 2 52.8	1.270	2.260	4.5	19.2
10 18	0 26.44	− 3 30.7	1.321	2.280	9.0	19.5
10 28	0 20.68	− 3 49.9	1.396	2.300	13.2	19.8
11 7	0 17.47	− 3 48.8	1.492	2.321	16.8	20.1

71414 2000 AW_{185} 10 3.4 229.°62 6.°6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.43	−12 43.6	2.045	2.913	12.2	18.7
9 8	0 57.56	−14 2.2	1.979	2.905	9.5	18.5
9 18	0 50.77	−15 18.9	1.938	2.896	7.3	18.4
9 28	0 42.68	−16 25.9	1.923	2.887	6.6	18.3
10 8	0 34.14	−17 15.9	1.935	2.878	8.0	18.4
10 18	0 26.06	−17 44.1	1.973	2.869	10.5	18.5
10 28	0 19.31	−17 48.3	2.035	2.859	13.2	18.7
11 7	0 14.49	−17 29.3	2.117	2.848	15.7	18.9

487451 2014 SJ_{25} 10 3.4 1.°25 0.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.47	+ 4 43.9	2.200	3.042	12.4	21.3
9 8	0 56.68	+ 4 39.0	2.123	3.042	9.3	21.1
9 18	0 50.15	+ 4 25.6	2.070	3.042	5.9	20.9
9 28	0 42.45	+ 4 6.4	2.044	3.042	2.1	20.6
10 8	0 34.35	+ 3 45.0	2.046	3.042	1.8	20.6
10 18	0 26.65	+ 3 25.4	2.077	3.042	5.6	20.9
10 28	0 20.14	+ 3 11.5	2.135	3.043	9.1	21.1
11 7	0 15.38	+ 3 6.4	2.217	3.044	12.1	21.3

55589 2002 PO_{93} 10 3.4 304.°70 2.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.75	+18 27.9	1.382	2.211	19.0	18.5
9 8	0 53.60	+16 56.7	1.283	2.187	15.2	18.2
9 18	0 48.87	+14 45.1	1.203	2.162	10.6	17.8
9 28	0 42.15	+11 55.4	1.147	2.138	5.4	17.5
10 8	0 34.53	+ 8 38.4	1.117	2.114	2.7	17.3
10 18	0 27.30	+ 5 11.3	1.116	2.090	7.8	17.5
10 28	0 21.77	+ 1 54.7	1.141	2.067	13.5	17.7
11 7	0 18.88	− 0 54.5	1.189	2.044	18.5	18.0

448408 2009 SJ_{16} 10 3.4 347.°89 0.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.06	+ 6 41.4	1.776	2.633	14.2	20.6
9 8	0 53.03	+ 5 51.4	1.700	2.627	10.7	20.3
9 18	0 48.06	+ 4 46.4	1.646	2.622	6.7	20.1
9 28	0 41.74	+ 3 31.3	1.618	2.617	2.3	19.8
10 8	0 34.95	+ 2 13.3	1.617	2.613	2.3	19.8
10 18	0 28.59	+ 0 59.9	1.643	2.609	6.7	20.1
10 28	0 23.56	− 0 1.5	1.695	2.606	10.8	20.3
11 7	0 20.49	− 0 46.0	1.769	2.604	14.3	20.5

309011 2006 UE_{83} 10 3.4 354.°22 1.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.75	+ 1 33.1	1.741	2.607	14.0	21.0
9 8	0 55.78	+ 0 52.0	1.672	2.605	10.5	20.8
9 18	0 49.76	+ 0 1.2	1.625	2.603	6.4	20.5
9 28	0 42.34	− 0 53.6	1.604	2.602	2.5	20.3
10 8	0 34.45	− 1 45.8	1.610	2.601	3.5	20.3
10 18	0 27.08	− 2 29.1	1.643	2.601	7.6	20.6
10 28	0 21.14	− 2 58.1	1.701	2.601	11.5	20.8
11 7	0 17.28	− 3 9.9	1.780	2.601	14.8	21.1

304337 2006 SM_{250} 10 3.4 24.°60 0.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.10	+ 9 17.0	1.732	2.578	15.0	20.4
9 8	0 55.31	+ 8 42.8	1.663	2.581	11.5	20.2
9 18	0 49.46	+ 7 52.4	1.615	2.585	7.4	19.9
9 28	0 42.24	+ 6 49.6	1.592	2.589	2.9	19.7
10 8	0 34.57	+ 5 40.8	1.596	2.593	1.9	19.6
10 18	0 27.42	+ 4 33.2	1.628	2.598	6.3	19.9
10 28	0 21.73	+ 3 34.3	1.685	2.603	10.4	20.2
11 7	0 18.12	+ 2 49.3	1.766	2.608	14.0	20.4

224832 2006 WP_{160} 10 3.4 49.°34 5.°0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.35	+18 7.5	1.369	2.190	19.5	19.9
9 8	0 58.31	+18 11.7	1.306	2.200	15.8	19.7
9 18	0 51.59	+17 49.3	1.262	2.210	11.5	19.4
9 28	0 43.04	+17 0.7	1.240	2.220	7.2	19.2
10 8	0 33.91	+15 51.0	1.242	2.231	5.0	19.1
10 18	0 25.54	+14 29.0	1.270	2.242	7.4	19.3
10 28	0 19.15	+13 5.9	1.322	2.253	11.5	19.6
11 7	0 15.47	+11 51.7	1.397	2.265	15.4	19.8

293628 2007 NE_1 10 3.4 116.°33 7.°6/25.7 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.25	−14 16.8	1.816	2.688	13.3	20.1
9 8	0 58.21	−15 46.5	1.772	2.697	10.5	20.0
9 18	0 51.15	−17 11.2	1.752	2.707	8.3	19.9
9 28	0 42.80	−18 21.7	1.758	2.716	7.7	19.8
10 8	0 34.14	−19 10.8	1.790	2.725	9.1	20.0
10 18	0 26.16	−19 34.2	1.847	2.734	11.6	20.1
10 28	0 19.74	−19 30.9	1.926	2.743	14.1	20.3
11 7	0 15.43	−19 3.0	2.025	2.751	16.4	20.5

367082 2006 QC_8 10 3.4 28.°79 3.°5/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.23	− 0 32.1	1.574	2.452	14.6	19.9
9 8	0 54.73	− 1 49.5	1.519	2.458	10.8	19.6
9 18	0 49.11	− 3 15.9	1.486	2.465	6.7	19.4
9 28	0 42.11	− 4 43.2	1.478	2.473	3.6	19.3
10 8	0 34.71	− 6 2.1	1.497	2.481	5.2	19.4
10 18	0 27.94	− 7 4.9	1.542	2.490	9.0	19.6
10 28	0 22.71	− 7 46.0	1.611	2.498	12.8	19.9
11 7	0 19.64	− 8 3.9	1.701	2.508	16.0	20.1

454526 2014 ON_{246} 10 3.4 346.°30 6.°6/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.63	+22 12.5	1.987	2.757	16.1	20.9
9 8	0 58.81	+23 3.4	1.902	2.754	13.5	20.7
9 18	0 51.77	+23 35.2	1.837	2.751	10.7	20.5
9 28	0 43.12	+23 45.2	1.796	2.748	8.0	20.3
10 8	0 33.79	+23 33.9	1.779	2.746	6.6	20.2
10 18	0 24.81	+23 4.0	1.790	2.744	7.5	20.3
10 28	0 17.25	+22 21.8	1.827	2.742	9.9	20.4
11 7	0 11.87	+21 34.9	1.887	2.741	12.7	20.6

353547 2011 SW_{181} 10 3.4 4.°91 1.°3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.49	+ 8 37.9	1.597	2.445	15.9	20.4
9 8	0 57.32	+ 8 36.0	1.526	2.445	12.3	20.2
9 18	0 50.84	+ 8 19.2	1.476	2.446	8.0	20.0
9 28	0 42.77	+ 7 49.9	1.451	2.447	3.4	19.7
10 8	0 34.13	+ 7 13.0	1.452	2.448	2.2	19.6
10 18	0 26.05	+ 6 34.8	1.479	2.450	6.7	19.9
10 28	0 19.59	+ 6 1.7	1.531	2.453	11.0	20.2
11 7	0 15.45	+ 5 39.2	1.606	2.456	14.7	20.4

312484 2008 UL_{15} 10 3.4 350.°36 0.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.66	+ 7 56.5	4.116	4.936	7.5	20.8
9 8	0 50.16	+ 7 43.5	4.030	4.935	5.7	20.6
9 18	0 45.80	+ 7 24.4	3.969	4.934	3.7	20.5
9 28	0 40.88	+ 7 0.6	3.937	4.933	1.5	20.3
10 8	0 35.76	+ 6 34.3	3.935	4.932	1.0	20.3
10 18	0 30.83	+ 6 7.7	3.964	4.931	3.1	20.5
10 28	0 26.45	+ 5 43.1	4.021	4.930	5.2	20.6
11 7	0 22.93	+ 5 22.7	4.106	4.930	7.0	20.8

401422 2013 CX_{81} 10 3.4 324.°81 2.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.74	+13 29.1	1.915	2.737	14.7	21.4
9 8	0 55.71	+13 9.8	1.834	2.735	11.6	21.2
9 18	0 49.72	+12 32.5	1.776	2.733	7.9	21.0
9 28	0 42.36	+11 39.5	1.742	2.731	4.1	20.8
10 8	0 34.50	+10 35.3	1.735	2.730	2.5	20.7
10 18	0 27.08	+ 9 26.4	1.757	2.728	5.8	20.9
10 28	0 21.00	+ 8 20.2	1.805	2.727	9.6	21.1
11 7	0 16.91	+ 7 23.2	1.877	2.725	13.0	21.3

149047 2002 BE_{15} 10 3.4 24.°49 4.°3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.15	− 4 25.9	1.859	2.735	12.8	19.7
9 8	0 54.41	− 5 43.4	1.801	2.738	9.5	19.5
9 18	0 48.82	− 7 5.4	1.766	2.742	6.3	19.3
9 28	0 42.01	− 8 24.6	1.757	2.746	4.3	19.2
10 8	0 34.83	− 9 32.9	1.776	2.750	5.8	19.3
10 18	0 28.17	−10 24.4	1.821	2.754	9.0	19.5
10 28	0 22.84	−10 55.0	1.891	2.759	12.2	19.7
11 7	0 19.40	−11 3.8	1.982	2.764	15.0	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
115627	2003 UW_{121}		10	3.4	12.°53	10.°1/23.6 18
	h m	° ′			°	m
8 29	0 57.65	−15 11.3	1.334	2.229	15.6	18.6
9 8	0 54.69	−17 16.4	1.296	2.232	12.6	18.5
9 18	0 49.25	−19 14.5	1.279	2.236	10.5	18.3
9 28	0 42.20	−20 52.5	1.286	2.240	10.3	18.4
10 8	0 34.71	−21 59.5	1.316	2.246	12.2	18.5
10 18	0 28.00	−22 29.9	1.367	2.253	15.0	18.7
10 28	0 23.12	−22 23.4	1.438	2.260	17.8	18.9
11 7	0 20.71	−21 43.8	1.525	2.268	20.3	19.1
37806	1997 YQ_{11}		10	3.4	96.°67	5.°4/29.2 18
8 29	1 7.59	− 6 17.3	1.466	2.339	15.8	18.2
9 8	1 1.71	− 7 23.7	1.424	2.358	11.8	18.0
9 18	0 53.41	− 8 31.8	1.404	2.377	7.8	17.9
9 28	0 43.63	− 9 32.5	1.409	2.396	5.5	17.8
10 8	0 33.58	−10 17.7	1.441	2.415	6.9	17.9
10 18	0 24.47	−10 41.7	1.499	2.433	10.5	18.2
10 28	0 17.34	−10 42.4	1.580	2.450	14.0	18.4
11 7	0 12.77	−10 20.8	1.682	2.467	17.1	18.7
170588	2003 XJ_{38}		10	3.4	317.°88	0.°2/ 3.3 18
8 29	1 6.39	+ 2 53.8	1.569	2.426	15.8	19.4
9 8	1 1.27	+ 3 11.5	1.484	2.410	12.0	19.1
9 18	0 53.52	+ 3 21.3	1.421	2.395	7.6	18.8
9 28	0 43.82	+ 3 25.5	1.382	2.380	2.7	18.5
10 8	0 33.28	+ 3 27.9	1.370	2.366	2.5	18.4
10 18	0 23.16	+ 3 32.6	1.385	2.352	7.6	18.7
10 28	0 14.73	+ 3 44.0	1.425	2.339	12.2	18.9
11 7	0 8.88	+ 4 5.4	1.487	2.326	16.3	19.2
252102	2000 VF_{10}		10	3.4	335.°58	3.°6/ 1.2 17
8 29	1 1.37	− 1 7.9	1.067	1.962	18.7	20.1
9 8	0 58.27	− 1 38.4	1.002	1.949	14.1	19.8
9 18	0 51.97	− 2 19.3	0.954	1.937	8.9	19.4
9 28	0 43.32	− 3 2.7	0.929	1.926	4.1	19.1
10 8	0 33.73	− 3 38.8	0.926	1.916	5.6	19.2
10 18	0 24.85	− 3 58.9	0.945	1.907	11.0	19.5
10 28	0 18.20	− 3 56.8	0.986	1.900	16.3	19.7
11 7	0 14.76	− 3 30.6	1.044	1.894	20.9	20.0
57910	2002 ED_{61}		10	3.4	276.°46	0.°2/ 3.8 18
8 29	0 52.66	+ 6 55.9	4.331	5.155	7.1	19.6
9 8	0 49.39	+ 6 32.0	4.244	5.152	5.3	19.4
9 18	0 45.32	+ 6 2.4	4.182	5.149	3.4	19.3
9 28	0 40.73	+ 5 28.7	4.150	5.146	1.3	19.1
10 8	0 35.96	+ 4 53.2	4.147	5.143	0.9	19.1
10 18	0 31.35	+ 4 18.2	4.175	5.140	3.0	19.3
10 28	0 27.25	+ 3 46.1	4.233	5.138	5.0	19.4
11 7	0 23.97	+ 3 19.0	4.317	5.135	6.8	19.5
76339	2000 EL_{153}		10	3.4	279.°82	2.°7/ 6.0 18
8 29	1 0.78	+14 4.1	1.956	2.772	14.7	19.7
9 8	0 56.68	+13 50.6	1.855	2.751	11.7	19.5
9 18	0 50.47	+13 18.8	1.775	2.730	8.2	19.2
9 28	0 42.71	+12 29.7	1.720	2.708	4.4	18.9
10 8	0 34.24	+11 27.2	1.692	2.686	2.8	18.8
10 18	0 26.02	+10 17.1	1.692	2.664	6.0	18.9
10 28	0 19.07	+ 9 7.3	1.720	2.641	10.0	19.1
11 7	0 14.15	+ 8 5.0	1.771	2.619	13.7	19.3
231262	2005 YZ_{274}		10	3.4	154.°60	4.°4/ 8.5 18
8 29	1 4.75	+20 27.6	2.396	3.160	13.8	21.2
9 8	0 59.11	+20 33.3	2.315	3.169	11.3	21.0
9 18	0 51.69	+20 21.2	2.255	3.178	8.5	20.9
9 28	0 43.06	+19 51.2	2.221	3.185	5.8	20.7
10 8	0 34.02	+19 5.7	2.215	3.193	4.4	20.6
10 18	0 25.41	+18 8.8	2.238	3.199	5.6	20.7
10 28	0 18.04	+17 6.7	2.289	3.205	8.2	20.9
11 7	0 12.48	+16 5.8	2.367	3.210	10.8	21.1
295716	2008 UP_{35}		10	3.4	176.°98	0.°4/ 3.8 18
8 29	1 2.35	+ 8 16.1	2.050	2.883	13.5	21.8
9 8	0 57.49	+ 7 40.4	1.973	2.885	10.3	21.6
9 18	0 50.75	+ 6 51.1	1.918	2.886	6.5	21.4
9 28	0 42.75	+ 5 51.7	1.890	2.887	2.5	21.2
10 8	0 34.31	+ 4 47.7	1.891	2.888	1.8	21.1
10 18	0 26.32	+ 3 45.3	1.921	2.887	5.9	21.4
10 28	0 19.63	+ 2 50.5	1.978	2.887	9.6	21.6
11 7	0 14.84	+ 2 8.2	2.060	2.886	12.9	21.8
354364	2003 KG_{25}		10	3.4	149.°92	0.°3/ 2.8 15
8 29	0 52.86	+ 3 57.4	4.450	5.283	6.7	21.9
9 8	0 49.50	+ 3 33.7	4.368	5.284	5.0	21.7
9 18	0 45.38	+ 3 5.6	4.313	5.285	3.1	21.6
9 28	0 40.76	+ 2 34.9	4.287	5.286	1.1	21.4
10 8	0 35.98	+ 2 3.8	4.292	5.286	1.1	21.4
10 18	0 31.37	+ 1 34.4	4.326	5.287	3.2	21.6
10 28	0 27.26	+ 1 9.0	4.390	5.288	5.1	21.8
11 7	0 23.93	+ 0 49.1	4.481	5.289	6.8	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
81649	2000 HW_{83}		10	3.4	149.°72	6.°3/25.5 18
	h m	° ′			°	m
8 29	1 0.63	−12 37.7	2.237	3.104	11.3	19.7
9 8	0 55.99	−14 14.7	2.187	3.111	8.8	19.6
9 18	0 49.70	−15 49.2	2.161	3.118	6.8	19.5
9 28	0 42.34	−17 13.6	2.164	3.124	6.3	19.4
10 8	0 34.68	−18 21.1	2.194	3.130	7.7	19.5
10 18	0 27.49	−19 7.1	2.251	3.135	9.9	19.7
10 28	0 21.51	−19 29.6	2.331	3.140	12.3	19.9
11 7	0 17.25	−19 29.3	2.432	3.144	14.3	20.0
186857	2004 GF_{45}		10	3.4	32.°68	2.°1/ 5.2 17
8 29	0 59.64	+12 41.9	1.255	2.108	19.1	19.6
9 8	0 56.36	+12 10.6	1.198	2.117	14.9	19.3
9 18	0 50.42	+11 14.5	1.159	2.126	9.9	19.1
9 28	0 42.68	+ 9 57.9	1.143	2.137	4.7	18.8
10 8	0 34.42	+ 8 29.3	1.151	2.147	2.6	18.7
10 18	0 26.94	+ 6 59.6	1.184	2.159	7.4	19.1
10 28	0 21.44	+ 5 40.0	1.241	2.170	12.3	19.4
11 7	0 18.61	+ 4 38.3	1.320	2.183	16.5	19.7
377678	2005 UD_{424}		10	3.4	249.°80	1.°3/ 5.6 16
8 29	0 55.37	+12 21.1	3.593	4.395	8.8	22.1
9 8	0 51.63	+11 55.5	3.491	4.381	6.9	21.9
9 18	0 46.83	+11 20.3	3.413	4.368	4.7	21.8
9 28	0 41.32	+10 36.8	3.364	4.354	2.4	21.6
10 8	0 35.53	+ 9 47.6	3.345	4.340	1.4	21.5
10 18	0 29.92	+ 8 55.9	3.356	4.325	3.5	21.6
10 28	0 24.95	+ 8 5.2	3.397	4.311	5.9	21.8
11 7	0 21.01	+ 7 19.0	3.465	4.296	8.0	21.9
506132	2016 CJ_{255}		10	3.4	355.°15	19.°5/11.1 17
8 29	1 14.36	+28 56.3	0.913	1.706	29.0	20.5
9 8	1 10.09	+32 41.1	0.855	1.701	26.3	20.3
9 18	1 0.79	+35 59.4	0.811	1.697	23.4	20.1
9 28	0 46.96	+38 31.9	0.784	1.694	20.9	19.9
10 8	0 30.52	+40 3.6	0.773	1.693	19.6	19.9
10 18	0 14.45	+40 29.2	0.780	1.693	19.9	19.9
10 28	0 1.91	+39 58.8	0.803	1.695	21.6	20.0
11 7	23 54.86	+38 52.9	0.840	1.698	24.0	20.2
322162	2010 WD_{72}		10	3.4	120.°10	3.°4/ 7.6 18
8 29	0 59.63	+17 44.7	2.323	3.113	13.4	20.4
9 8	0 55.33	+17 34.3	2.242	3.117	10.8	20.2
9 18	0 49.35	+17 6.7	2.183	3.122	7.9	20.0
9 28	0 42.26	+16 23.0	2.149	3.126	4.9	19.9
10 8	0 34.77	+15 26.3	2.143	3.130	3.4	19.8
10 18	0 27.68	+14 21.6	2.166	3.134	5.1	19.9
10 28	0 21.74	+13 15.1	2.217	3.138	8.1	20.1
11 7	0 17.48	+12 12.9	2.293	3.142	10.9	20.3
108739	2001 OO_{35}		10	3.4	115.°66	3.°8/30.1 18
8 29	1 5.97	− 3 21.8	1.710	2.574	14.3	19.7
9 8	1 0.31	− 4 17.0	1.658	2.589	10.6	19.5
9 18	0 52.51	− 5 16.7	1.629	2.604	6.8	19.3
9 28	0 43.36	− 6 14.0	1.626	2.618	3.9	19.2
10 8	0 33.90	− 7 1.5	1.651	2.632	5.2	19.3
10 18	0 25.17	− 7 33.8	1.703	2.645	8.8	19.6
10 28	0 18.11	− 7 47.4	1.780	2.658	12.3	19.8
11 7	0 13.29	− 7 41.8	1.879	2.670	15.3	20.0
398609	2011 WK_{143}		10	3.4	64.°04	2.°7/ 6.2 18
8 29	1 0.44	+14 13.8	1.970	2.786	14.6	21.1
9 8	0 56.18	+14 1.2	1.894	2.790	11.5	20.9
9 18	0 50.00	+13 31.0	1.840	2.794	8.0	20.7
9 28	0 42.51	+12 45.2	1.810	2.798	4.4	20.5
10 8	0 34.58	+11 48.0	1.808	2.801	2.8	20.4
10 18	0 27.11	+10 45.3	1.834	2.805	5.6	20.6
10 28	0 20.98	+ 9 43.9	1.887	2.809	9.2	20.8
11 7	0 16.79	+ 8 50.3	1.965	2.814	12.5	21.1
317304	2002 GB_{100}		10	3.4	211.°03	1.°3/ 4.6 18
8 29	1 3.34	+11 15.6	1.647	2.481	16.2	21.3
9 8	0 58.77	+10 36.2	1.566	2.477	12.6	21.1
9 18	0 51.83	+ 9 36.6	1.506	2.472	8.3	20.8
9 28	0 43.22	+ 8 20.3	1.472	2.467	3.6	20.5
10 8	0 33.97	+ 6 54.0	1.464	2.461	2.1	20.4
10 18	0 25.23	+ 5 26.7	1.484	2.454	6.8	20.7
10 28	0 18.09	+ 4 7.5	1.530	2.447	11.4	21.0
11 7	0 13.32	+ 3 3.8	1.600	2.440	15.3	21.2
101083	1998 RK_{27}		10	3.4	21.°23	1.°8/ 1.6 18
8 29	0 53.35	+ 6 24.8	1.335	2.213	16.7	18.3
9 8	0 51.32	+ 4 42.9	1.291	2.231	12.3	18.1
9 18	0 47.08	+ 2 43.2	1.269	2.250	7.4	17.9
9 28	0 41.46	+ 0 35.9	1.271	2.270	2.6	17.7
10 8	0 35.52	− 1 26.7	1.299	2.292	3.8	17.8
10 18	0 30.29	− 3 13.1	1.353	2.314	8.5	18.2
10 28	0 26.70	− 4 35.1	1.431	2.339	12.7	18.5
11 7	0 25.27	− 5 29.1	1.530	2.364	16.2	18.8

340460 2006 HD_9 10 3.4 162.°78 1.°1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.01	+10 40.7	2.145	2.967	13.3	21.5
9 8	0 57.16	+10 5.9	2.068	2.972	10.3	21.3
9 18	0 50.52	+ 9 16.4	2.014	2.977	6.7	21.1
9 28	0 42.68	+ 8 15.1	1.986	2.981	2.9	20.9
10 8	0 34.45	+ 7 7.3	1.988	2.984	1.7	20.8
10 18	0 26.67	+ 5 58.9	2.019	2.987	5.4	21.0
10 28	0 20.14	+ 4 56.4	2.077	2.990	9.1	21.3
11 7	0 15.44	+ 4 4.8	2.161	2.992	12.2	21.5

514679 2005 WC_{75} 10 3.4 323.°78 3.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.24	− 1 30.8	1.359	2.235	16.5	21.1
9 8	0 59.87	− 1 51.0	1.286	2.224	12.5	20.8
9 18	0 52.74	− 2 18.4	1.234	2.213	7.9	20.5
9 28	0 43.60	− 2 47.1	1.205	2.202	3.6	20.3
10 8	0 33.67	− 3 9.8	1.202	2.192	4.7	20.3
10 18	0 24.33	− 3 20.2	1.224	2.182	9.5	20.6
10 28	0 16.88	− 3 13.5	1.269	2.173	14.2	20.8
11 7	0 12.21	− 2 48.1	1.334	2.165	18.3	21.0

193257 2000 SK_{106} 10 3.4 357.°00 0.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.94	+ 7 39.8	1.364	2.229	17.2	19.5
9 8	0 55.75	+ 7 4.0	1.297	2.227	13.1	19.3
9 18	0 50.05	+ 6 9.5	1.250	2.225	8.3	19.0
9 28	0 42.60	+ 5 1.5	1.225	2.224	3.0	18.7
10 8	0 34.53	+ 3 48.0	1.227	2.223	2.5	18.6
10 18	0 27.07	+ 2 38.4	1.253	2.223	7.8	19.0
10 28	0 21.39	+ 1 41.7	1.303	2.224	12.6	19.3
11 7	0 18.23	+ 1 3.7	1.375	2.226	16.7	19.5

523398 2017 DX_{84} 10 3.4 268.°78 5.°3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.00	−10 54.7	2.426	3.293	10.5	21.3
9 8	0 54.82	−12 9.6	2.348	3.275	8.2	21.1
9 18	0 49.05	−13 24.8	2.296	3.258	6.1	20.9
9 28	0 42.18	−14 33.7	2.271	3.240	5.4	20.9
10 8	0 34.88	−15 30.2	2.274	3.223	6.6	20.9
10 18	0 27.87	−16 9.6	2.304	3.205	9.0	21.0
10 28	0 21.89	−16 28.9	2.359	3.186	11.5	21.2
11 7	0 17.47	−16 27.7	2.436	3.168	13.8	21.3

155728 2000 RP_{47} 10 3.4 38.°40 4.°8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.58	+13 5.8	1.394	2.221	19.0	18.7
9 8	1 4.54	+14 12.8	1.333	2.232	15.1	18.5
9 18	0 55.58	+15 2.6	1.292	2.244	10.8	18.3
9 28	0 44.58	+15 32.9	1.274	2.256	6.6	18.1
10 8	0 32.91	+15 44.6	1.281	2.269	4.9	18.0
10 18	0 22.04	+15 41.8	1.315	2.283	7.8	18.2
10 28	0 13.33	+15 31.1	1.373	2.297	11.8	18.5
11 7	0 7.59	+15 20.2	1.454	2.311	15.6	18.8

212218 2005 GA_{224} 10 3.4 71.°39 2.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.40	+ 0 24.4	1.841	2.702	13.6	20.6
9 8	0 57.62	− 0 10.8	1.778	2.708	10.1	20.4
9 18	0 50.87	− 0 53.3	1.739	2.715	6.2	20.2
9 28	0 42.82	− 1 38.1	1.725	2.722	2.6	19.9
10 8	0 34.39	− 2 19.3	1.739	2.729	3.5	20.0
10 18	0 26.53	− 2 51.3	1.780	2.736	7.3	20.3
10 28	0 20.10	− 3 10.0	1.848	2.743	11.0	20.5
11 7	0 15.71	− 3 13.1	1.938	2.750	14.1	20.7

288751 2004 RM_{67} 10 3.4 31.°76 0.°5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.88	+ 7 8.1	1.924	2.768	13.8	20.8
9 8	0 56.47	+ 6 54.6	1.855	2.773	10.5	20.6
9 18	0 50.16	+ 6 29.1	1.808	2.778	6.7	20.4
9 28	0 42.58	+ 5 54.7	1.787	2.784	2.6	20.2
10 8	0 34.59	+ 5 16.1	1.794	2.790	1.8	20.1
10 18	0 27.09	+ 4 38.4	1.828	2.797	5.9	20.4
10 28	0 20.94	+ 4 7.1	1.889	2.803	9.7	20.7
11 7	0 16.73	+ 3 46.2	1.973	2.810	12.9	20.9

185560 Harrykroto 10 3.4 201.°23 1.°0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.56	+ 8 40.4	1.642	2.482	16.0	21.0
9 8	1 0.43	+ 8 25.4	1.565	2.480	12.3	20.8
9 18	0 52.88	+ 7 54.7	1.509	2.477	8.0	20.5
9 28	0 43.61	+ 7 11.1	1.478	2.474	3.3	20.2
10 8	0 33.71	+ 6 20.1	1.475	2.471	2.1	20.2
10 18	0 24.35	+ 5 28.5	1.498	2.468	6.9	20.5
10 28	0 16.64	+ 4 43.6	1.548	2.464	11.3	20.7
11 7	0 11.37	+ 4 11.1	1.620	2.459	15.2	20.9

1546 Izsák 10 3.4 272.°73 0.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.86	+ 8 27.5	2.404	3.238	11.7	15.9
9 8	0 53.23	+ 7 28.1	2.312	3.226	8.9	15.7
9 18	0 48.06	+ 6 15.2	2.245	3.214	5.6	15.4
9 28	0 41.84	+ 4 52.3	2.205	3.202	2.0	15.2
10 8	0 35.20	+ 3 25.1	2.194	3.190	1.7	15.1
10 18	0 28.86	+ 2 0.0	2.213	3.178	5.4	15.4
10 28	0 23.50	+ 0 43.2	2.261	3.166	8.8	15.6
11 7	0 19.66	− 0 20.4	2.333	3.154	11.8	15.7

409170 2003 UC_{229} 10 3.4 358.°51 3.°8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.80	− 6 15.1	1.800	2.667	13.6	19.6
9 8	0 59.52	− 6 21.0	1.733	2.664	10.2	19.4
9 18	0 52.12	− 6 27.1	1.689	2.663	6.7	19.2
9 28	0 43.30	− 6 28.6	1.670	2.662	3.9	19.0
10 8	0 34.02	− 6 21.1	1.679	2.661	4.9	19.1
10 18	0 25.32	− 6 1.5	1.715	2.662	8.3	19.3
10 28	0 18.16	− 5 28.1	1.777	2.663	11.8	19.5
11 7	0 13.17	− 4 40.9	1.861	2.665	14.9	19.7

403905 2011 YD_{38} 10 3.4 235.°30 5.°1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.67	+21 23.6	2.252	3.021	14.4	21.0
9 8	0 57.05	+21 42.8	2.165	3.019	12.0	20.8
9 18	0 50.56	+21 43.5	2.099	3.018	9.3	20.6
9 28	0 42.76	+21 24.8	2.056	3.016	6.6	20.5
10 8	0 34.43	+20 48.5	2.041	3.015	5.2	20.4
10 18	0 26.46	+19 58.5	2.053	3.013	6.1	20.4
10 28	0 19.70	+19 0.6	2.092	3.011	8.6	20.6
11 7	0 14.80	+18 1.9	2.157	3.009	11.4	20.8

428732 2008 RG_{99} 10 3.5 114.°48 0.°2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.13	+ 5 11.9	4.469	5.300	6.8	20.8
9 8	0 48.99	+ 4 37.8	4.389	5.303	5.0	20.7
9 18	0 45.09	+ 3 58.6	4.335	5.306	3.1	20.5
9 28	0 40.71	+ 3 16.3	4.311	5.309	1.1	20.4
10 8	0 36.17	+ 2 33.2	4.317	5.312	1.1	20.4
10 18	0 31.81	+ 1 51.9	4.353	5.315	3.1	20.5
10 28	0 27.94	+ 1 14.6	4.419	5.317	5.0	20.7
11 7	0 24.84	+ 0 43.3	4.512	5.320	6.7	20.8

388568 2007 QW_{15} 10 3.5 40.°34 6.°5/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.16	− 7 41.0	1.352	2.241	15.8	19.8
9 8	0 57.11	− 9 4.9	1.316	2.258	11.9	19.6
9 18	0 50.67	−10 29.1	1.301	2.275	8.3	19.4
9 28	0 42.76	−11 43.1	1.310	2.293	6.5	19.4
10 8	0 34.55	−12 37.5	1.344	2.312	8.2	19.5
10 18	0 27.23	−13 6.6	1.403	2.331	11.5	19.8
10 28	0 21.79	−13 8.3	1.483	2.350	14.9	20.0
11 7	0 18.79	−12 44.5	1.582	2.370	17.8	20.3

222925 2002 LQ_{32} 10 3.5 23.°01 2.°9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.10	+20 0.1	1.790	2.594	16.3	18.6
9 8	0 52.30	+18 34.7	1.717	2.603	13.0	18.4
9 18	0 47.61	+16 41.2	1.666	2.613	9.2	18.2
9 28	0 41.68	+14 24.0	1.640	2.624	5.2	18.0
10 8	0 35.40	+11 51.8	1.642	2.635	2.9	17.9
10 18	0 29.68	+ 9 16.3	1.674	2.648	5.7	18.1
10 28	0 25.34	+ 6 49.4	1.734	2.660	9.6	18.3
11 7	0 22.93	+ 4 40.8	1.820	2.674	13.1	18.6

279836 2000 SW_{264} 10 3.5 341.°61 1.°9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.12	+ 1 58.9	1.211	2.097	17.5	19.6
9 8	0 56.26	+ 1 34.7	1.141	2.084	13.3	19.4
9 18	0 50.60	+ 0 57.7	1.091	2.072	8.3	19.0
9 28	0 42.89	+ 0 13.7	1.062	2.061	3.1	18.7
10 8	0 34.35	− 0 28.9	1.057	2.051	4.0	18.7
10 18	0 26.40	− 1 1.8	1.077	2.043	9.3	19.0
10 28	0 20.39	− 1 18.0	1.118	2.036	14.4	19.3
11 7	0 17.20	− 1 13.7	1.178	2.031	18.8	19.6

128188 2003 SB_3 10 3.5 148.°18 1.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.43	+ 8 41.9	2.453	3.277	11.8	19.6
9 8	0 56.55	+ 8 37.1	2.374	3.279	9.1	19.5
9 18	0 50.09	+ 8 22.1	2.318	3.281	5.9	19.3
9 28	0 42.56	+ 7 58.8	2.289	3.283	2.6	19.1
10 8	0 34.66	+ 7 30.2	2.289	3.285	1.6	19.0
10 18	0 27.12	+ 7 0.2	2.318	3.287	4.9	19.2
10 28	0 20.65	+ 6 33.1	2.376	3.289	8.1	19.4
11 7	0 15.77	+ 6 12.4	2.459	3.290	10.9	19.6

216404 2008 EY_{108} 10 3.5 42.°33 0.°7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.09	+ 4 50.5	1.867	2.720	13.8	20.8
9 8	0 55.93	+ 4 12.5	1.799	2.725	10.3	20.6
9 18	0 49.85	+ 3 23.1	1.754	2.729	6.4	20.4
9 28	0 42.49	+ 2 26.7	1.735	2.734	2.2	20.1
10 8	0 34.73	+ 1 29.5	1.744	2.739	2.4	20.2
10 18	0 27.48	+ 0 37.7	1.780	2.744	6.6	20.4
10 28	0 21.59	− 0 3.0	1.843	2.749	10.4	20.7
11 7	0 17.65	− 0 29.1	1.928	2.754	13.6	20.9

421526 2014 OX_{120} 10 3.5 85.°81 1.°1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.24	+ 9 16.3	2.224	3.049	12.8	20.9
9 8	0 57.19	+ 9 5.9	2.159	3.065	9.8	20.7
9 18	0 50.48	+ 8 43.7	2.118	3.081	6.4	20.6
9 28	0 42.70	+ 8 12.2	2.103	3.097	2.8	20.4
10 8	0 34.62	+ 7 35.3	2.117	3.113	1.7	20.3
10 18	0 27.03	+ 6 57.3	2.159	3.128	5.1	20.6
10 28	0 20.67	+ 6 23.3	2.230	3.144	8.4	20.8
11 7	0 16.06	+ 5 57.0	2.326	3.159	11.4	21.0

112500 2002 PP_{15} 10 3.5 348.°53 6.°7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.45	−11 51.5	1.993	2.872	11.9	19.3
9 8	0 53.16	−13 36.8	1.936	2.869	9.3	19.1
9 18	0 48.11	−15 21.1	1.905	2.865	7.2	19.0
9 28	0 41.89	−16 55.6	1.899	2.862	6.8	19.0
10 8	0 35.27	−18 12.3	1.921	2.860	8.3	19.1
10 18	0 29.09	−19 5.5	1.967	2.858	10.8	19.2
10 28	0 24.13	−19 32.4	2.037	2.856	13.4	19.4
11 7	0 20.95	−19 33.7	2.126	2.855	15.7	19.6

147118 2002 TO_{83} 10 3.5 7.°95 6.°7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.63	− 5 34.9	1.079	1.981	17.8	18.9
9 8	0 55.92	− 7 2.0	1.032	1.982	13.4	18.6
9 18	0 50.33	− 8 34.8	1.004	1.984	9.1	18.4
9 28	0 42.77	−10 0.5	0.998	1.986	6.7	18.3
10 8	0 34.63	−11 6.6	1.015	1.990	8.8	18.4
10 18	0 27.37	−11 44.0	1.054	1.995	13.0	18.7
10 28	0 22.24	−11 48.9	1.114	2.001	17.2	18.9
11 7	0 19.98	−11 22.8	1.190	2.009	20.8	19.2

168491 1999 RT_{153} 10 3.5 64.°83 7.°3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.61	+22 19.6	1.629	2.405	18.8	19.7
9 8	1 2.81	+23 17.3	1.568	2.424	15.7	19.6
9 18	0 54.40	+23 51.2	1.526	2.443	12.3	19.4
9 28	0 44.20	+23 58.6	1.507	2.461	9.1	19.3
10 8	0 33.43	+23 40.3	1.512	2.480	7.4	19.2
10 18	0 23.39	+23 1.0	1.544	2.499	8.3	19.3
10 28	0 15.28	+22 9.2	1.601	2.518	10.9	19.5
11 7	0 9.84	+21 14.2	1.681	2.537	13.9	19.7

82510 2001 OT_{49} 10 3.5 1.°18 0.°7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.37	+ 5 58.8	1.695	2.553	14.7	19.3
9 8	0 54.88	+ 5 6.3	1.624	2.552	11.1	19.1
9 18	0 49.33	+ 3 59.0	1.576	2.552	6.9	18.8
9 28	0 42.37	+ 2 42.5	1.553	2.552	2.4	18.6
10 8	0 34.94	+ 1 24.2	1.557	2.552	2.6	18.6
10 18	0 28.01	+ 0 12.2	1.589	2.553	7.1	18.9
10 28	0 22.52	− 0 46.4	1.645	2.554	11.2	19.1
11 7	0 19.11	− 1 27.0	1.724	2.556	14.7	19.3

346481 2008 UN_5 10 3.5 301.°11 17.°7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 24.66	−45 12.5	1.751	2.505	18.4	20.2
9 8	1 15.30	−46 21.2	1.705	2.483	17.9	20.1
9 18	1 2.31	−46 58.8	1.676	2.461	17.7	20.0
9 28	0 46.99	−46 53.1	1.665	2.440	18.1	20.0
10 8	0 31.27	−45 57.4	1.672	2.418	19.0	20.0
10 18	0 17.08	−44 12.0	1.697	2.396	20.3	20.1
10 28	0 5.93	−41 43.2	1.738	2.375	21.6	20.1
11 7	23 58.52	−38 41.4	1.795	2.354	23.0	20.2

471076 2009 WO_{88} 10 3.5 334.°63 3.°8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.42	− 1 7.6	1.190	2.082	17.4	20.5
9 8	0 56.56	− 1 53.4	1.121	2.067	13.1	20.2
9 18	0 50.85	− 2 50.1	1.071	2.053	8.3	19.9
9 28	0 43.03	− 3 49.6	1.044	2.041	4.1	19.6
10 8	0 34.38	− 4 41.8	1.041	2.029	5.7	19.7
10 18	0 26.31	− 5 17.5	1.060	2.018	10.7	19.9
10 28	0 20.22	− 5 30.2	1.101	2.009	15.6	20.2
11 7	0 17.00	− 5 17.6	1.161	2.001	19.9	20.4

254291 2004 RB_{254} 10 3.5 44.°65 5.°4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.51	−10 44.8	1.943	2.809	12.8	19.5
9 8	0 59.08	−11 20.1	1.889	2.817	9.8	19.4
9 18	0 51.74	−11 52.6	1.859	2.825	6.9	19.2
9 28	0 43.19	−12 16.3	1.855	2.833	5.4	19.1
10 8	0 34.33	−12 26.1	1.878	2.842	6.6	19.2
10 18	0 26.11	−12 18.8	1.929	2.851	9.2	19.4
10 28	0 19.36	−11 53.4	2.004	2.860	12.1	19.6
11 7	0 14.62	−11 10.9	2.100	2.869	14.6	19.8

220808 2004 TC_{247} 10 3.5 344.°91 5.°8/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.53	− 9 34.5	1.856	2.733	12.8	19.6
9 8	0 55.58	−10 37.8	1.794	2.728	9.8	19.4
9 18	0 49.69	−11 41.0	1.754	2.723	7.0	19.2
9 28	0 42.50	−12 36.7	1.741	2.719	5.8	19.1
10 8	0 34.87	−13 17.8	1.754	2.715	7.2	19.2
10 18	0 27.75	−13 39.3	1.792	2.712	10.0	19.4
10 28	0 21.98	−13 38.9	1.855	2.709	13.0	19.6
11 7	0 18.19	−13 16.7	1.937	2.707	15.7	19.8

470569 2008 GF_{103} 10 3.5 176.°71 2.°9/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.29	− 0 52.7	1.871	2.727	13.6	22.4
9 8	0 59.85	− 1 47.0	1.802	2.730	10.1	22.2
9 18	0 52.35	− 2 48.6	1.756	2.732	6.3	22.0
9 28	0 43.45	− 3 51.5	1.738	2.733	3.1	21.8
10 8	0 34.10	− 4 48.7	1.748	2.733	4.3	21.9
10 18	0 25.29	− 5 33.9	1.786	2.733	8.0	22.1
10 28	0 17.96	− 6 2.7	1.850	2.732	11.7	22.3
11 7	0 12.74	− 6 13.0	1.936	2.730	14.8	22.5

296983 2010 EQ_{105} 10 3.5 187.°01 0.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.98	+ 3 33.5	2.236	3.076	12.3	21.6
9 8	0 58.61	+ 3 5.5	2.157	3.075	9.2	21.4
9 18	0 51.47	+ 2 28.9	2.102	3.075	5.7	21.2
9 28	0 43.12	+ 1 47.2	2.075	3.073	2.0	21.0
10 8	0 34.36	+ 1 5.0	2.077	3.071	2.3	21.0
10 18	0 26.00	+ 0 27.3	2.108	3.069	6.0	21.2
10 28	0 18.86	− 0 1.7	2.168	3.066	9.5	21.4
11 7	0 13.50	− 0 18.7	2.251	3.062	12.5	21.6

347546 2000 EE_{132} 10 3.5 204.°17 0.°1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.05	+ 5 22.5	2.150	2.989	12.7	21.3
9 8	0 58.02	+ 5 3.1	2.069	2.986	9.7	21.1
9 18	0 51.15	+ 4 33.6	2.012	2.983	6.1	20.9
9 28	0 43.02	+ 3 57.1	1.982	2.980	2.2	20.6
10 8	0 34.44	+ 3 18.2	1.980	2.976	1.9	20.6
10 18	0 26.26	+ 2 41.7	2.007	2.972	5.8	20.8
10 28	0 19.30	+ 2 12.3	2.062	2.968	9.5	21.1
11 7	0 14.17	+ 1 53.6	2.141	2.963	12.6	21.3

365626 2010 UW_{56} 10 3.5 298.°88 3.°9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.05	+18 17.0	2.130	2.924	14.4	20.4
9 8	0 55.20	+18 11.4	2.038	2.915	11.7	20.2
9 18	0 49.49	+17 46.8	1.967	2.906	8.6	20.0
9 28	0 42.46	+17 3.5	1.921	2.897	5.5	19.8
10 8	0 34.89	+16 4.8	1.902	2.888	3.9	19.7
10 18	0 27.66	+14 55.7	1.910	2.879	5.7	19.8
10 28	0 21.61	+13 43.2	1.946	2.871	8.8	19.9
11 7	0 17.41	+12 34.7	2.007	2.862	12.0	20.1

81276 2000 FC_{54} 10 3.5 90.°33 1.°2/ 2.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.56	+ 5 15.1	1.572	2.430	15.7	20.3
9 8	0 58.01	+ 4 13.8	1.516	2.444	11.7	20.1
9 18	0 51.24	+ 2 58.3	1.482	2.458	7.2	19.8
9 28	0 43.05	+ 1 35.1	1.473	2.472	2.5	19.6
10 8	0 34.48	+ 0 13.0	1.492	2.486	3.0	19.7
10 18	0 26.62	− 0 59.8	1.538	2.500	7.6	20.0
10 28	0 20.44	− 1 56.2	1.609	2.513	11.8	20.2
11 7	0 16.55	− 2 32.6	1.702	2.526	15.3	20.5

325547 2009 SG_{72} 10 3.5 101.°20 1.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.25	+ 8 59.8	2.274	3.099	12.6	20.8
9 8	0 57.32	+ 8 59.9	2.195	3.101	9.7	20.6
9 18	0 50.66	+ 8 49.0	2.140	3.103	6.4	20.4
9 28	0 42.84	+ 8 28.9	2.110	3.104	2.9	20.2
10 8	0 34.61	+ 8 2.7	2.110	3.106	1.8	20.1
10 18	0 26.76	+ 7 34.6	2.138	3.108	5.1	20.3
10 28	0 20.07	+ 7 8.9	2.195	3.109	8.5	20.6
11 7	0 15.12	+ 6 49.6	2.276	3.111	11.5	20.8

29461 1997 SP_{32} 10 3.5 55.°30 0.°5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.13	+ 7 23.9	1.335	2.192	18.0	18.8
9 8	1 0.22	+ 7 7.6	1.287	2.212	13.6	18.6
9 18	0 52.72	+ 6 35.1	1.259	2.232	8.6	18.3
9 28	0 43.58	+ 5 50.9	1.254	2.252	3.3	18.1
10 8	0 34.08	+ 5 1.9	1.275	2.272	2.3	18.1
10 18	0 25.49	+ 4 16.1	1.323	2.293	7.4	18.4
10 28	0 18.92	+ 3 40.3	1.394	2.314	12.0	18.8
11 7	0 15.02	+ 3 19.3	1.487	2.335	15.8	19.1

365695 2010 VD_{119} 10 3.5 224.°02 1.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.75	+14 49.3	4.609	5.394	7.3	21.5
9 8	0 49.49	+14 32.1	4.515	5.391	5.8	21.4
9 18	0 45.46	+14 6.9	4.445	5.388	4.1	21.3
9 28	0 40.92	+13 34.7	4.403	5.385	2.4	21.1
10 8	0 36.20	+12 57.2	4.392	5.382	1.6	21.1
10 18	0 31.64	+12 16.6	4.410	5.379	2.8	21.2
10 28	0 27.57	+11 35.6	4.459	5.375	4.5	21.3
11 7	0 24.27	+10 56.5	4.535	5.372	6.2	21.4

480602 2015 MY_{93} 10 3.5 20.°08 10.°7/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.07	−18 24.0	1.376	2.260	15.9	20.1
9 8	0 57.99	−19 59.9	1.339	2.265	13.1	20.0
9 18	0 51.36	−21 24.7	1.323	2.271	11.1	19.9
9 28	0 43.11	−22 26.9	1.330	2.277	10.8	19.9
10 8	0 34.47	−22 57.7	1.360	2.284	12.3	20.0
10 18	0 26.71	−22 53.6	1.411	2.292	14.9	20.2
10 28	0 20.89	−22 15.6	1.482	2.300	17.6	20.4
11 7	0 17.66	−21 8.8	1.570	2.309	20.0	20.6

512488 2016 QL_{83} 10 3.5 33.°76 2.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.32	+ 1 18.3	1.123	2.011	18.4	20.3
9 8	0 57.67	+ 0 26.9	1.083	2.027	13.7	20.1
9 18	0 51.24	− 0 36.4	1.063	2.044	8.4	19.9
9 28	0 43.07	− 1 42.6	1.064	2.062	3.5	19.6
10 8	0 34.52	− 2 41.6	1.090	2.082	4.8	19.8
10 18	0 26.98	− 3 24.8	1.140	2.102	9.7	20.1
10 28	0 21.59	− 3 46.7	1.212	2.122	14.3	20.5
11 7	0 18.97	− 3 45.6	1.303	2.144	18.1	20.8

258730 2002 GA_{118} 10 3.5 85.°83 2.°7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.71	+ 2 13.6	1.380	2.250	16.7	20.5
9 8	0 59.09	+ 1 0.8	1.330	2.266	12.4	20.2
9 18	0 52.01	− 0 24.6	1.302	2.281	7.6	20.0
9 28	0 43.34	− 1 53.9	1.298	2.296	3.2	19.8
10 8	0 34.28	− 3 16.8	1.321	2.311	4.5	19.9
10 18	0 26.07	− 4 24.5	1.370	2.325	9.1	20.2
10 28	0 19.76	− 5 10.5	1.443	2.340	13.3	20.5
11 7	0 16.00	− 5 32.6	1.536	2.354	16.9	20.8

274176 2008 GW_{67} 10 3.5 64.°39 3.°5/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.16	− 1 53.6	1.371	2.245	16.6	20.7
9 8	1 0.87	− 2 36.6	1.327	2.263	12.3	20.5
9 18	0 53.07	− 3 25.9	1.304	2.282	7.7	20.3
9 28	0 43.69	− 4 14.0	1.305	2.300	3.8	20.1
10 8	0 34.01	− 4 53.0	1.332	2.319	5.1	20.3
10 18	0 25.26	− 5 16.9	1.385	2.337	9.3	20.6
10 28	0 18.51	− 5 21.9	1.461	2.356	13.4	20.9
11 7	0 14.37	− 5 7.5	1.559	2.375	16.8	21.1

257688 1999 VW_{187} 10 3.5 310.°70 2.°4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.49	− 0 21.9	1.955	2.819	12.8	20.1
9 8	0 55.59	− 1 2.4	1.871	2.803	9.6	19.8
9 18	0 49.77	− 1 50.6	1.809	2.787	6.0	19.6
9 28	0 42.59	− 2 41.5	1.774	2.771	2.8	19.3
10 8	0 34.85	− 3 28.9	1.767	2.755	3.8	19.4
10 18	0 27.46	− 4 7.0	1.787	2.740	7.5	19.6
10 28	0 21.30	− 4 31.0	1.832	2.725	11.2	19.8
11 7	0 17.03	− 4 38.3	1.900	2.710	14.4	20.0

20498 1999 RT_1 10 3.5 6.°24 5.°2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.12	+12 3.6	1.296	2.135	19.5	16.6
9 8	1 3.84	+13 26.3	1.229	2.135	15.6	16.3
9 18	0 55.44	+14 33.7	1.180	2.136	11.2	16.1
9 28	0 44.73	+15 22.8	1.155	2.139	6.9	15.9
10 8	0 33.09	+15 53.0	1.153	2.142	5.3	15.8
10 18	0 22.13	+16 7.0	1.178	2.147	8.3	16.0
10 28	0 13.36	+16 10.8	1.226	2.153	12.7	16.3
11 7	0 7.74	+16 12.2	1.295	2.160	16.7	16.5

81536 2000 HJ_{16} 10 3.5 8.°33 1.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.98	+ 5 47.6	0.914	1.806	21.3	17.2
9 8	0 58.21	+ 6 27.2	0.865	1.807	16.4	16.9
9 18	0 52.05	+ 6 50.8	0.832	1.811	10.6	16.7
9 28	0 43.49	+ 7 0.3	0.819	1.817	4.4	16.4
10 8	0 34.17	+ 7 0.7	0.828	1.825	2.9	16.3
10 18	0 25.84	+ 6 58.3	0.858	1.835	8.9	16.7
10 28	0 20.05	+ 7 0.7	0.909	1.847	14.5	17.0
11 7	0 17.66	+ 7 13.3	0.978	1.861	19.2	17.4

214033 2004 EB_6 10 3.5 190.°44 3.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.81	− 4 8.7	2.182	3.043	11.8	20.4
9 8	0 57.00	− 5 0.9	2.113	3.043	8.8	20.2
9 18	0 50.47	− 5 56.9	2.068	3.042	5.7	20.0
9 28	0 42.79	− 6 51.2	2.050	3.040	3.5	19.9
10 8	0 34.73	− 7 37.8	2.061	3.039	4.7	20.0
10 18	0 27.10	− 8 12.0	2.100	3.037	7.7	20.2
10 28	0 20.68	− 8 30.4	2.165	3.035	10.7	20.4
11 7	0 16.01	− 8 31.8	2.252	3.032	13.4	20.5

361520 2007 FE_{12} 10 3.5 86.°40 4.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.31	− 5 7.6	2.352	3.218	10.9	20.3
9 8	0 54.16	− 6 44.7	2.305	3.236	8.0	20.1
9 18	0 48.57	− 8 24.4	2.283	3.255	5.4	20.0
9 28	0 42.08	− 9 59.7	2.290	3.274	4.1	19.9
10 8	0 35.36	−11 24.0	2.327	3.292	5.4	20.1
10 18	0 29.10	−12 32.1	2.392	3.310	7.9	20.3
10 28	0 23.93	−13 20.6	2.482	3.328	10.4	20.4
11 7	0 20.29	−13 48.8	2.595	3.346	12.6	20.6

74682 1999 RL_{117} 10 3.5 40.°28 2.°8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.76	+14 1.1	1.173	2.025	20.3	19.1
9 8	0 57.41	+13 33.9	1.119	2.037	15.9	18.9
9 18	0 51.22	+12 39.3	1.083	2.049	10.8	18.6
9 28	0 43.14	+11 21.4	1.069	2.061	5.4	18.4
10 8	0 34.52	+ 9 49.1	1.079	2.075	3.1	18.3
10 18	0 26.77	+ 8 14.0	1.113	2.089	7.6	18.6
10 28	0 21.15	+ 6 48.3	1.171	2.103	12.6	18.9
11 7	0 18.37	+ 5 41.0	1.250	2.118	16.9	19.2

284050 2005 BV_{11} 10 3.5 105.°91 5.°7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.52	− 9 32.8	1.906	2.774	12.9	20.5
9 8	0 58.36	−10 46.6	1.859	2.789	9.8	20.3
9 18	0 51.31	−11 59.3	1.837	2.803	7.0	20.2
9 28	0 43.08	−13 3.2	1.842	2.818	5.7	20.1
10 8	0 34.58	−13 51.5	1.873	2.832	7.0	20.2
10 18	0 26.72	−14 19.7	1.932	2.845	9.7	20.4
10 28	0 20.33	−14 25.9	2.014	2.858	12.5	20.6
11 7	0 15.94	−14 10.9	2.118	2.871	15.0	20.9

429776 2012 GK_1 10 3.5 63.°79 5.°6/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.64	− 4 7.8	1.291	2.175	16.7	20.6
9 8	0 59.01	− 5 47.4	1.258	2.199	12.4	20.4
9 18	0 51.90	− 7 31.2	1.247	2.224	8.1	20.3
9 28	0 43.29	− 9 7.6	1.260	2.249	5.6	20.2
10 8	0 34.46	−10 25.6	1.299	2.273	7.4	20.4
10 18	0 26.63	−11 17.9	1.363	2.298	11.1	20.7
10 28	0 20.81	−11 41.6	1.449	2.323	14.8	21.0
11 7	0 17.55	−11 37.9	1.554	2.347	17.9	21.2

131108 2001 AO_{32} 10 3.5 241.°94 1.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.98	+ 0 53.8	1.966	2.819	13.2	20.0
9 8	0 58.95	+ 0 22.2	1.882	2.808	9.9	19.8
9 18	0 51.87	− 0 17.5	1.822	2.797	6.2	19.5
9 28	0 43.36	− 1 0.7	1.789	2.786	2.5	19.3
10 8	0 34.29	− 1 41.9	1.784	2.775	3.3	19.3
10 18	0 25.60	− 2 15.5	1.807	2.763	7.2	19.5
10 28	0 18.25	− 2 36.9	1.857	2.751	11.0	19.7
11 7	0 12.90	− 2 43.3	1.929	2.739	14.3	19.9

130030 1999 VH_{95} 10 3.5 307.°92 1.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.69	+10 19.9	1.685	2.527	15.5	20.0
9 8	0 56.03	+ 9 44.4	1.604	2.520	12.0	19.8
9 18	0 50.17	+ 8 50.3	1.545	2.513	7.8	19.5
9 28	0 42.77	+ 7 41.3	1.511	2.507	3.3	19.2
10 8	0 34.77	+ 6 23.7	1.504	2.500	2.0	19.1
10 18	0 27.23	+ 5 5.7	1.523	2.494	6.6	19.4
10 28	0 21.16	+ 3 55.7	1.569	2.488	10.9	19.6
11 7	0 17.27	+ 3 0.3	1.637	2.482	14.7	19.9

26239 1998 QP_{33} 10 3.5 299.°13 2.°9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 57.43	+ 2 28.7	1.700	2.569	14.2	18.5
9 8	0 54.31	+ 0 51.8	1.619	2.554	10.6	18.3
9 18	0 49.09	− 1 0.6	1.561	2.540	6.5	18.0
9 28	0 42.39	− 3 0.5	1.530	2.526	3.1	17.7
10 8	0 35.08	− 4 57.5	1.526	2.512	4.7	17.8
10 18	0 28.18	− 6 41.2	1.549	2.498	8.9	18.0
10 28	0 22.64	− 8 3.4	1.598	2.485	12.9	18.3
11 7	0 19.18	− 8 59.6	1.668	2.471	16.4	18.5

73605 4041 $T\text{-}_2$ 10 3.5 4.°01 0.°5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.99	+ 4 46.9	1.532	2.393	15.8	19.2
9 8	0 57.84	+ 4 26.9	1.464	2.393	12.0	18.9
9 18	0 51.33	+ 3 54.1	1.417	2.393	7.5	18.7
9 28	0 43.19	+ 3 12.8	1.395	2.394	2.6	18.4
10 8	0 34.48	+ 2 29.5	1.399	2.395	2.5	18.4
10 18	0 26.36	+ 1 50.7	1.429	2.396	7.4	18.7
10 28	0 19.91	+ 1 22.9	1.484	2.398	11.8	19.0
11 7	0 15.84	+ 1 10.0	1.560	2.400	15.6	19.2

421414 2013 WP_{21} 10 3.5 276.°20 4.°6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 57.33	−13 44.2	3.289	4.148	8.3	20.9
9 8	0 53.23	−14 36.7	3.209	4.128	6.5	20.8
9 18	0 47.96	−15 27.1	3.155	4.109	5.0	20.7
9 28	0 41.90	−16 11.1	3.129	4.089	4.6	20.6
10 8	0 35.53	−16 44.8	3.132	4.070	5.5	20.7
10 18	0 29.37	−17 5.4	3.162	4.050	7.2	20.8
10 28	0 23.95	−17 11.1	3.218	4.030	9.1	20.9
11 7	0 19.68	−17 1.5	3.296	4.010	10.9	21.0

46249 2001 HQ_{22} 10 3.5 155.°28 0.°9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.41	+ 3 2.0	2.740	3.581	10.2	20.3
9 8	0 54.88	+ 2 26.4	2.667	3.586	7.6	20.1
9 18	0 49.01	+ 1 43.8	2.618	3.591	4.7	20.0
9 28	0 42.27	+ 0 57.8	2.597	3.595	1.7	19.8
10 8	0 35.24	+ 0 12.2	2.606	3.599	2.1	19.8
10 18	0 28.55	− 0 28.9	2.645	3.603	5.1	20.0
10 28	0 22.79	− 1 2.0	2.713	3.607	7.9	20.2
11 7	0 18.41	− 1 24.3	2.805	3.610	10.4	20.4

518000 2015 UK_{86} 10 3.5 59.°56 2.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.53	+15 43.1	2.090	2.899	14.1	21.2
9 8	0 54.70	+15 10.7	2.012	2.903	11.2	21.0
9 18	0 49.11	+14 19.5	1.956	2.907	7.8	20.8
9 28	0 42.34	+13 12.0	1.925	2.911	4.3	20.6
10 8	0 35.18	+11 52.9	1.922	2.916	2.6	20.5
10 18	0 28.44	+10 28.9	1.948	2.920	5.3	20.7
10 28	0 22.94	+ 9 7.3	2.002	2.925	8.7	20.9
11 7	0 19.22	+ 7 54.9	2.080	2.929	11.9	21.1

137627 1999 VS_{220} 10 3.5 315.°07 1.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.36	+ 9 7.6	1.291	2.150	18.3	20.2
9 8	0 58.81	+ 9 8.9	1.211	2.135	14.3	19.9
9 18	0 52.35	+ 8 51.6	1.149	2.120	9.5	19.6
9 28	0 43.68	+ 8 17.6	1.109	2.105	4.2	19.2
10 8	0 34.02	+ 7 32.2	1.094	2.091	2.6	19.1
10 18	0 24.82	+ 6 43.4	1.104	2.077	8.0	19.4
10 28	0 17.53	+ 6 0.3	1.136	2.064	13.3	19.6
11 7	0 13.15	+ 5 30.6	1.190	2.052	18.0	19.9

142544 2002 TB_{52} 10 3.5 11.°48 2.°1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.54	+13 19.8	1.439	2.286	17.5	19.1
9 8	0 53.87	+12 42.0	1.373	2.288	13.6	18.9
9 18	0 48.89	+11 40.6	1.327	2.292	9.2	18.6
9 28	0 42.31	+10 19.5	1.304	2.297	4.4	18.4
10 8	0 35.21	+ 8 46.5	1.306	2.302	2.5	18.3
10 18	0 28.72	+ 7 11.5	1.334	2.309	6.7	18.5
10 28	0 23.88	+ 5 45.0	1.387	2.316	11.3	18.8
11 7	0 21.36	+ 4 35.1	1.462	2.324	15.2	19.1

156287 2001 WU_{14} 10 3.5 295.°18 3.°8/30.5 18

8 29	1 4.20	− 3 10.5	1.542	2.414	15.1	19.9
9 8	0 59.61	− 3 49.5	1.466	2.402	11.4	19.6
9 18	0 52.53	− 4 34.7	1.413	2.390	7.3	19.4
9 28	0 43.66	− 5 19.4	1.384	2.378	4.0	19.2
10 8	0 34.08	− 5 55.8	1.382	2.366	5.4	19.2
10 18	0 25.02	− 6 17.6	1.405	2.354	9.5	19.4
10 28	0 17.64	− 6 20.3	1.452	2.343	13.7	19.6
11 7	0 12.75	− 6 2.5	1.520	2.332	17.4	19.9

48789 1997 SV_{12} 10 3.5 350.°33 0.°9/ 2.6 18

8 29	0 58.42	+ 5 28.6	1.619	2.481	15.1	18.4
9 8	0 55.06	+ 4 38.5	1.548	2.478	11.4	18.1
9 18	0 49.55	+ 3 33.5	1.498	2.475	7.1	17.9
9 28	0 42.55	+ 2 19.2	1.474	2.472	2.4	17.6
10 8	0 35.02	+ 1 3.4	1.475	2.470	2.8	17.6
10 18	0 28.00	− 0 5.8	1.504	2.469	7.4	17.9
10 28	0 22.47	− 1 0.9	1.558	2.468	11.7	18.1
11 7	0 19.10	− 1 37.4	1.633	2.467	15.3	18.4

480622 2015 MA_{127} 10 3.5 35.°42 4.°1/29.7 18

8 29	1 2.30	− 4 38.4	1.803	2.673	13.4	21.3
9 8	0 57.69	− 5 30.9	1.740	2.674	10.1	21.1
9 18	0 51.05	− 6 27.2	1.700	2.675	6.5	20.9
9 28	0 43.06	− 7 20.7	1.686	2.676	4.2	20.7
10 8	0 34.63	− 8 4.4	1.699	2.677	5.5	20.8
10 18	0 26.76	− 8 33.1	1.739	2.678	8.8	21.0
10 28	0 20.33	− 8 43.1	1.803	2.679	12.2	21.3
11 7	0 15.99	− 8 33.6	1.890	2.681	15.2	21.5

154095 2002 CS_{309} 10 3.5 186.°75 0.°4/ 3.0 18

8 29	1 0.43	+ 5 8.4	2.535	3.371	11.1	21.8
9 8	0 55.80	+ 4 37.0	2.455	3.371	8.4	21.7
9 18	0 49.67	+ 3 56.6	2.399	3.370	5.2	21.5
9 28	0 42.54	+ 3 10.5	2.371	3.369	1.8	21.2
10 8	0 35.06	+ 2 22.9	2.372	3.368	1.8	21.2
10 18	0 27.92	+ 1 38.3	2.403	3.366	5.2	21.5
10 28	0 21.78	+ 1 0.9	2.463	3.364	8.3	21.7
11 7	0 17.15	+ 0 33.9	2.547	3.362	11.1	21.9

476694 2008 TH_{104} 10 3.5 319.°75 1.°1/ 4.3 16

8 29	1 0.03	+ 8 56.3	1.440	2.296	16.9	21.9
9 8	0 56.73	+ 8 40.2	1.357	2.281	13.1	21.6
9 18	0 50.88	+ 8 5.7	1.294	2.265	8.6	21.3
9 28	0 43.13	+ 7 15.7	1.254	2.250	3.6	21.0
10 8	0 34.54	+ 6 16.3	1.239	2.236	2.3	20.9
10 18	0 26.38	+ 5 15.5	1.250	2.222	7.4	21.2
10 28	0 19.89	+ 4 22.5	1.285	2.209	12.4	21.4
11 7	0 15.95	+ 3 44.0	1.341	2.197	16.7	21.6

130891 2000 VP_{24} 10 3.5 3.°88 0.°6/ 3.0 18

8 29	1 2.35	+ 4 31.9	1.437	2.302	16.5	19.0
9 8	0 58.26	+ 4 12.6	1.371	2.301	12.5	18.7
9 18	0 51.67	+ 3 40.2	1.325	2.301	7.8	18.5
9 28	0 43.35	+ 2 59.2	1.303	2.302	2.7	18.2
10 8	0 34.43	+ 2 16.3	1.307	2.303	2.7	18.2
10 18	0 26.14	+ 1 38.6	1.337	2.305	7.7	18.5
10 28	0 19.62	+ 1 12.5	1.391	2.307	12.3	18.8
11 7	0 15.62	+ 1 2.2	1.466	2.309	16.3	19.0

518030 2015 VK_{157} 10 3.5 266.°26 4.°1/28.9 18

8 29	1 0.94	− 7 25.6	2.327	3.190	11.0	21.3
9 8	0 56.30	− 8 10.6	2.257	3.186	8.3	21.2
9 18	0 50.03	− 8 56.5	2.211	3.181	5.7	21.0
9 28	0 42.69	− 9 38.1	2.192	3.176	4.1	20.9
10 8	0 34.98	−10 10.3	2.202	3.172	5.2	21.0
10 18	0 27.66	−10 29.2	2.239	3.167	7.8	21.1
10 28	0 21.45	−10 32.1	2.303	3.162	10.6	21.3
11 7	0 16.90	−10 18.7	2.388	3.157	13.1	21.5

515464 2013 YK_{96} 10 3.5 305.°25 1.°6/ 4.7 18

8 29	1 1.55	+ 9 46.4	1.433	2.284	17.3	22.0
9 8	0 58.03	+ 9 38.3	1.343	2.263	13.5	21.7
9 18	0 51.81	+ 9 11.3	1.272	2.241	9.0	21.4
9 28	0 43.51	+ 8 27.3	1.225	2.220	4.0	21.0
10 8	0 34.23	+ 7 31.5	1.203	2.199	2.4	20.9
10 18	0 25.28	+ 6 31.9	1.206	2.179	7.6	21.1
10 28	0 18.02	+ 5 37.7	1.233	2.159	12.7	21.4
11 7	0 13.43	+ 4 56.8	1.282	2.139	17.3	21.6

321806 2010 PA_{76} 10 3.5 10.°17 0.°5/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.67	+ 8 5.7	0.930	1.819	21.2	20.1
9 8	0 55.67	+ 7 42.6	0.879	1.821	16.2	19.8
9 18	0 50.46	+ 6 55.7	0.844	1.824	10.4	19.5
9 28	0 42.98	+ 5 50.7	0.830	1.828	3.9	19.2
10 8	0 34.78	+ 4 38.2	0.837	1.835	2.8	19.1
10 18	0 27.50	+ 3 30.4	0.866	1.842	9.1	19.5
10 28	0 22.59	+ 2 38.6	0.916	1.851	14.8	19.9
11 7	0 20.87	+ 2 9.5	0.985	1.862	19.6	20.2

221640 2007 BT_{25} 10 3.5 356.°17 0.°4/ 3.8 18

8 29	0 58.58	+ 6 37.5	1.045	1.929	19.7	19.9
9 8	0 56.21	+ 6 32.0	0.983	1.923	15.2	19.6
9 18	0 50.79	+ 6 7.6	0.940	1.919	9.7	19.3
9 28	0 43.13	+ 5 28.5	0.918	1.916	3.7	19.0
10 8	0 34.65	+ 4 42.4	0.917	1.914	2.7	18.9
10 18	0 26.91	+ 3 58.9	0.940	1.915	8.8	19.3
10 28	0 21.36	+ 3 27.1	0.984	1.916	14.3	19.6
11 7	0 18.89	+ 3 13.3	1.046	1.919	19.0	19.9

93807 2000 WF_{55} 10 3.5 320.°96 3.°7/30.6 18

8 29	1 1.02	− 1 58.5	1.426	2.306	15.7	18.4
9 8	0 57.46	− 2 41.9	1.349	2.289	11.8	18.2
9 18	0 51.32	− 3 33.8	1.293	2.272	7.5	17.9
9 28	0 43.30	− 4 27.3	1.261	2.256	4.0	17.6
10 8	0 34.50	− 5 13.7	1.254	2.240	5.4	17.7
10 18	0 26.17	− 5 45.4	1.271	2.225	9.8	17.9
10 28	0 19.54	− 5 56.8	1.312	2.211	14.3	18.1
11 7	0 15.46	− 5 45.7	1.373	2.197	18.2	18.3

260505 2005 EX_{32} 10 3.5 134.°09 5.°9/28.4 17

8 29	1 8.37	− 9 23.8	1.736	2.600	14.1	20.6
9 8	1 2.19	−10 29.4	1.687	2.614	10.8	20.4
9 18	0 53.82	−11 34.0	1.661	2.627	7.6	20.2
9 28	0 44.06	−12 29.4	1.661	2.639	5.9	20.2
10 8	0 33.99	−13 8.5	1.688	2.651	7.3	20.3
10 18	0 24.69	−13 26.5	1.743	2.661	10.3	20.5
10 28	0 17.10	−13 21.8	1.821	2.671	13.4	20.7
11 7	0 11.83	−12 55.7	1.921	2.681	16.1	20.9

3515 Jindra 10 3.5 147.°60 0.°4/ 3.9 18

8 29	1 1.48	+ 7 21.5	2.033	2.871	13.4	17.2
9 8	0 56.96	+ 6 59.7	1.957	2.872	10.2	17.0
9 18	0 50.58	+ 6 25.7	1.904	2.873	6.5	16.8
9 28	0 42.93	+ 5 42.7	1.877	2.874	2.5	16.5
10 8	0 34.85	+ 4 55.5	1.878	2.874	1.8	16.5
10 18	0 27.20	+ 4 9.5	1.907	2.875	5.8	16.8
10 28	0 20.82	+ 3 30.2	1.963	2.875	9.5	17.0
11 7	0 16.31	+ 3 1.7	2.044	2.876	12.7	17.2

402036 2003 SB_{223} 10 3.5 2.°24 1.°6/ 5.3 14 C

8 29	0 52.11	+14 6.3	1.501	2.349	16.8	20.2
9 8	0 50.50	+12 59.8	1.430	2.347	13.1	20.0
9 18	0 46.77	+11 27.5	1.380	2.347	8.7	19.7
9 28	0 41.60	+ 9 34.5	1.354	2.348	4.0	19.5
10 8	0 35.94	+ 7 29.9	1.354	2.351	2.1	19.4
10 18	0 30.79	+ 5 25.5	1.380	2.355	6.6	19.7
10 28	0 27.12	+ 3 32.8	1.432	2.360	11.1	19.9
11 7	0 25.54	+ 2 0.4	1.506	2.367	15.0	20.2

47735 2000 DS_{60} 10 3.5 113.°93 3.°1/ 6.8 18

8 29	1 3.88	+14 49.8	2.515	3.307	12.5	17.6
9 8	0 58.48	+15 11.7	2.434	3.313	10.0	17.5
9 18	0 51.41	+15 20.9	2.376	3.318	7.1	17.3
9 28	0 43.22	+15 17.6	2.344	3.324	4.4	17.1
10 8	0 34.62	+15 3.5	2.341	3.329	3.1	17.1
10 18	0 26.37	+14 41.7	2.368	3.334	5.0	17.2
10 28	0 19.22	+14 16.5	2.423	3.339	7.7	17.4
11 7	0 13.72	+13 52.3	2.504	3.345	10.4	17.6

382507 2001 SN_{1} 10 3.5 6.°11 0.°7/ 4.0 18

8 29	0 57.89	+ 7 55.5	1.069	1.950	19.7	19.8
9 8	0 55.56	+ 7 41.0	1.012	1.950	15.1	19.5
9 18	0 50.27	+ 7 5.6	0.974	1.951	9.7	19.2
9 28	0 42.93	+ 6 14.1	0.956	1.954	3.8	18.9
10 8	0 34.88	+ 5 15.0	0.961	1.958	2.5	18.8
10 18	0 27.62	+ 4 18.4	0.989	1.964	8.4	19.2
10 28	0 22.50	+ 3 34.0	1.039	1.972	13.8	19.5
11 7	0 20.31	+ 3 8.4	1.108	1.980	18.3	19.9

199377 2006 BW_{223} 10 3.5 115.°01 1.°6/ 5.1 18

8 29	1 4.27	+11 5.1	1.929	2.752	14.6	20.9
9 8	0 59.06	+10 47.4	1.862	2.766	11.3	20.8
9 18	0 51.87	+10 14.5	1.818	2.779	7.5	20.6
9 28	0 43.39	+ 9 28.9	1.799	2.792	3.5	20.3
10 8	0 34.53	+ 8 35.5	1.809	2.805	2.0	20.3
10 18	0 26.24	+ 7 40.2	1.847	2.817	5.7	20.5
10 28	0 19.39	+ 6 49.5	1.913	2.829	9.5	20.8
11 7	0 14.59	+ 6 8.5	2.003	2.841	12.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
140801	2001 UK_{151}	10	3.5	207.°89	1.°7/ 1.8	18
	h m	° ′			°	m
8 29	1 0.92	+ 1 39.5	2.057	2.911	12.6	20.1
9 8	0 56.49	+ 0 59.7	1.984	2.911	9.4	19.9
9 18	0 50.26	+ 0 11.7	1.935	2.910	5.8	19.7
9 28	0 42.82	− 0 40.0	1.912	2.910	2.3	19.5
10 8	0 34.97	− 1 29.7	1.918	2.909	3.0	19.5
10 18	0 27.54	− 2 11.9	1.952	2.909	6.7	19.8
10 28	0 21.36	− 2 42.1	2.012	2.908	10.2	20.0
11 7	0 17.00	− 2 57.6	2.096	2.907	13.2	20.2
353946	1999 AQ_{28}	10	3.5	327.°80	2.°5/ 5.9	18
8 29	1 0.97	+12 53.5	1.804	2.630	15.3	20.7
9 8	0 56.91	+12 47.2	1.723	2.626	12.1	20.5
9 18	0 50.72	+12 23.4	1.663	2.621	8.3	20.3
9 28	0 43.04	+11 43.6	1.628	2.617	4.4	20.0
10 8	0 34.77	+10 52.2	1.619	2.614	2.7	19.9
10 18	0 26.93	+ 9 55.1	1.638	2.610	6.0	20.1
10 28	0 20.51	+ 8 59.8	1.683	2.607	10.0	20.4
11 7	0 16.21	+ 8 12.7	1.751	2.604	13.6	20.6
187774	1998 SR_6	10	3.5	44.°78	2.°3/30.9	18
8 29	0 57.83	+ 1 21.8	2.029	2.890	12.5	19.8
9 8	0 54.14	+ 0 11.9	1.965	2.897	9.2	19.6
9 18	0 48.75	− 1 6.8	1.926	2.903	5.7	19.4
9 28	0 42.26	− 2 28.4	1.914	2.910	2.6	19.2
10 8	0 35.43	− 3 45.7	1.929	2.917	3.7	19.3
10 18	0 29.06	− 4 52.3	1.973	2.924	7.1	19.5
10 28	0 23.89	− 5 43.1	2.043	2.931	10.5	19.8
11 7	0 20.45	− 6 15.5	2.136	2.939	13.3	20.0
254115	2004 NF_{31}	10	3.5	67.°64	3.°3/ 7.3	18
8 29	1 0.67	+17 5.9	2.018	2.819	14.8	20.1
9 8	0 56.29	+16 48.7	1.955	2.838	11.8	19.9
9 18	0 50.10	+16 12.4	1.912	2.856	8.4	19.8
9 28	0 42.74	+15 19.0	1.894	2.875	5.0	19.6
10 8	0 35.07	+14 12.8	1.904	2.894	3.3	19.5
10 18	0 27.94	+13 0.2	1.942	2.913	5.4	19.7
10 28	0 22.15	+11 48.2	2.007	2.931	8.6	19.9
11 7	0 18.25	+10 43.4	2.098	2.950	11.7	20.2
34652	2000 WN_{136}	10	3.5	121.°27	1.°1/ 2.6	18
8 29	1 5.36	+ 2 56.3	1.858	2.706	14.0	19.2
9 8	0 59.91	+ 2 31.1	1.793	2.716	10.5	19.0
9 18	0 52.42	+ 1 56.8	1.752	2.726	6.5	18.8
9 28	0 43.60	+ 1 17.6	1.737	2.735	2.3	18.5
10 8	0 34.39	+ 0 39.0	1.751	2.745	2.6	18.6
10 18	0 25.77	+ 0 6.4	1.792	2.753	6.8	18.9
10 28	0 18.64	− 0 15.7	1.860	2.762	10.6	19.1
11 7	0 13.62	− 0 24.3	1.951	2.770	13.8	19.4
116371	2003 YG_{107}	10	3.5	21.°22	8.°4/25.6	18
8 29	0 58.55	−11 54.7	1.409	2.301	15.1	18.5
9 8	0 55.31	−13 43.1	1.369	2.308	11.8	18.3
9 18	0 49.74	−15 28.3	1.350	2.315	9.1	18.2
9 28	0 42.65	−16 58.6	1.356	2.323	8.4	18.2
10 8	0 35.17	−18 3.8	1.386	2.333	10.2	18.3
10 18	0 28.44	−18 38.1	1.439	2.342	13.1	18.5
10 28	0 23.43	−18 40.0	1.513	2.353	16.1	18.7
11 7	0 20.77	−18 12.2	1.604	2.364	18.8	19.0
262667	2006 WB_{119}	10	3.5	213.°11	0.°0/ 3.4	17
8 29	1 4.84	+ 6 38.9	1.866	2.705	14.4	22.4
9 8	0 59.74	+ 6 6.5	1.782	2.699	11.0	22.2
9 18	0 52.47	+ 5 20.6	1.721	2.692	6.9	21.9
9 28	0 43.68	+ 4 24.8	1.687	2.684	2.5	21.7
10 8	0 34.29	+ 3 24.9	1.680	2.676	2.1	21.6
10 18	0 25.32	+ 2 27.5	1.702	2.667	6.6	21.9
10 28	0 17.79	+ 1 39.3	1.751	2.658	10.8	22.1
11 7	0 12.39	+ 1 5.1	1.823	2.648	14.4	22.3
114671	2003 FW_{44}	10	3.5	314.°61	1.°6/ 5.2	18
8 29	0 58.35	+12 18.1	1.915	2.744	14.4	19.9
9 8	0 54.82	+11 41.3	1.831	2.738	11.3	19.7
9 18	0 49.36	+10 46.2	1.769	2.731	7.5	19.5
9 28	0 42.55	+ 9 35.9	1.732	2.725	3.5	19.2
10 8	0 35.23	+ 8 15.8	1.722	2.718	2.0	19.1
10 18	0 28.30	+ 6 53.3	1.741	2.712	5.8	19.3
10 28	0 22.65	+ 5 36.4	1.786	2.707	9.7	19.6
11 7	0 18.92	+ 4 31.5	1.855	2.701	13.3	19.8
487311	2014 QF_{113}	10	3.5	287.°59	0.°9/ 4.6	18
8 29	0 58.96	+ 9 43.4	2.223	3.053	12.7	21.5
9 8	0 55.04	+ 9 17.1	2.133	3.042	9.8	21.3
9 18	0 49.40	+ 8 37.2	2.066	3.031	6.4	21.1
9 28	0 42.55	+ 7 46.5	2.025	3.020	2.7	20.8
10 8	0 35.23	+ 6 49.1	2.012	3.009	1.6	20.7
10 18	0 28.21	+ 5 50.7	2.029	2.998	5.3	21.0
10 28	0 22.29	+ 4 56.9	2.072	2.988	8.9	21.2
11 7	0 18.05	+ 4 12.9	2.140	2.977	12.1	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42776	Casablanca	10	3.5	159.°82	4.°0/28.9	18
	h m	° ′			°	m
8 29	1 1.23	− 7 38.9	2.422	3.283	10.7	18.4
9 8	0 56.44	− 8 23.8	2.357	3.285	8.1	18.2
9 18	0 50.10	− 9 9.2	2.317	3.286	5.5	18.1
9 28	0 42.76	− 9 50.0	2.304	3.288	4.0	18.0
10 8	0 35.11	−10 21.5	2.320	3.289	5.1	18.0
10 18	0 27.87	−10 40.0	2.364	3.290	7.6	18.2
10 28	0 21.72	−10 43.1	2.434	3.291	10.2	18.4
11 7	0 17.16	−10 30.6	2.527	3.292	12.5	18.5
281205	2007 GY_{40}	10	3.5	307.°69	1.°6/ 2.4	18
8 29	1 3.79	+ 2 8.1	1.497	2.362	15.9	20.7
9 8	0 59.43	+ 1 46.6	1.420	2.352	12.0	20.4
9 18	0 52.51	+ 1 14.2	1.364	2.342	7.5	20.2
9 28	0 43.76	+ 0 36.0	1.333	2.332	2.8	19.9
10 8	0 34.27	− 0 1.6	1.328	2.322	3.4	19.9
10 18	0 25.28	− 0 31.7	1.349	2.312	8.2	20.1
10 28	0 18.00	− 0 48.5	1.394	2.303	12.8	20.4
11 7	0 13.25	− 0 48.4	1.460	2.294	16.8	20.6
222231	2000 GH_{117}	10	3.5	125.°21	0.°3/ 3.8	18
8 29	1 5.02	+ 7 46.6	1.789	2.626	14.9	21.6
9 8	0 59.74	+ 7 14.7	1.724	2.639	11.4	21.4
9 18	0 52.37	+ 6 28.7	1.682	2.651	7.2	21.2
9 28	0 43.61	+ 5 32.6	1.666	2.663	2.7	20.9
10 8	0 34.45	+ 4 32.5	1.677	2.674	2.0	20.9
10 18	0 25.92	+ 3 35.0	1.717	2.685	6.4	21.2
10 28	0 18.93	+ 2 46.5	1.784	2.695	10.4	21.5
11 7	0 14.11	+ 2 11.7	1.874	2.705	13.8	21.7
487117	2014 OQ_{169}	10	3.5	1.°75	8.°5/24.8	17
8 29	0 59.52	−16 45.6	1.756	2.633	13.3	20.9
9 8	0 55.73	−18 7.8	1.708	2.632	10.8	20.7
9 18	0 49.89	−19 23.0	1.682	2.632	8.9	20.6
9 28	0 42.73	−20 22.3	1.681	2.632	8.6	20.6
10 8	0 35.17	−20 58.5	1.705	2.633	10.0	20.7
10 18	0 28.21	−21 7.4	1.753	2.635	12.4	20.9
10 28	0 22.74	−20 48.4	1.822	2.637	14.9	21.0
11 7	0 19.34	−20 4.1	1.909	2.641	17.1	21.2
166256	2002 GV_{44}	10	3.5	41.°07	0.°2/ 3.7	18
8 29	1 13.10	+ 2 47.2	1.330	2.185	18.1	18.9
9 8	1 6.26	+ 3 30.0	1.282	2.206	13.7	18.6
9 18	0 56.60	+ 4 4.0	1.254	2.227	8.6	18.4
9 28	0 45.13	+ 4 31.0	1.251	2.249	3.2	18.2
10 8	0 33.30	+ 4 53.8	1.275	2.272	2.4	18.2
10 18	0 22.54	+ 5 15.8	1.326	2.295	7.6	18.6
10 28	0 14.07	+ 5 40.7	1.401	2.318	12.2	18.9
11 7	0 8.56	+ 6 11.4	1.499	2.342	16.0	19.2
244933	2003 YF_3	10	3.5	159.°47	11.°6/19.9	18
8 29	1 8.46	−32 35.6	2.188	3.005	13.3	20.2
9 8	1 2.12	−33 57.9	2.158	3.009	12.1	20.1
9 18	0 53.73	−35 1.9	2.149	3.013	11.6	20.1
9 28	0 44.06	−35 39.9	2.164	3.016	11.8	20.1
10 8	0 34.14	−35 47.2	2.201	3.019	12.8	20.2
10 18	0 24.98	−35 22.8	2.260	3.022	14.1	20.3
10 28	0 17.47	−34 28.9	2.338	3.024	15.5	20.4
11 7	0 12.17	−33 10.1	2.432	3.026	16.8	20.5
511273	2014 DN_{14}	10	3.5	203.°89	4.°0/29.7	18
8 29	1 5.26	− 5 53.0	2.088	2.946	12.3	22.2
9 8	0 59.75	− 6 36.6	2.015	2.942	9.3	22.0
9 18	0 52.32	− 7 22.5	1.967	2.938	6.1	21.8
9 28	0 43.61	− 8 5.0	1.946	2.934	4.0	21.7
10 8	0 34.45	− 8 38.4	1.953	2.929	5.2	21.7
10 18	0 25.75	− 8 58.1	1.989	2.923	8.2	21.9
10 28	0 18.37	− 9 1.3	2.050	2.917	11.4	22.1
11 7	0 12.92	− 8 47.2	2.134	2.911	14.2	22.3
273587	2007 CJ_{46}	10	3.5	90.°78	4.°7/29.6	18
8 29	1 4.95	− 4 53.0	1.567	2.439	15.0	19.8
9 8	0 59.87	− 5 53.4	1.515	2.450	11.2	19.6
9 18	0 52.50	− 6 57.5	1.487	2.462	7.3	19.4
9 28	0 43.66	− 7 57.1	1.483	2.473	4.7	19.3
10 8	0 34.45	− 8 44.5	1.506	2.484	6.2	19.4
10 18	0 25.99	− 9 13.6	1.555	2.494	9.7	19.7
10 28	0 19.27	− 9 21.2	1.629	2.505	13.3	19.9
11 7	0 14.92	− 9 7.5	1.723	2.516	16.4	20.2
397296	2006 SH_{145}	10	3.5	337.°81	0.°0/ 3.3	18
8 29	0 59.26	+ 7 28.4	1.815	2.663	14.3	21.4
9 8	0 55.54	+ 6 46.2	1.739	2.660	10.9	21.2
9 18	0 49.82	+ 5 49.2	1.685	2.657	6.9	21.0
9 28	0 42.73	+ 4 41.6	1.657	2.655	2.5	20.7
10 8	0 35.15	+ 3 29.9	1.656	2.652	2.0	20.7
10 18	0 28.02	+ 2 21.4	1.683	2.650	6.5	20.9
10 28	0 22.24	+ 1 23.1	1.736	2.648	10.5	21.2
11 7	0 18.46	+ 0 40.0	1.812	2.647	14.0	21.4

238847 2005 UR_{279} 10 3.5 176.°82 0.°0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.96	+ 5 58.3	3.664	4.491	8.2	21.5
9 8	0 52.08	+ 5 30.5	3.581	4.492	6.2	21.3
9 18	0 47.21	+ 4 56.4	3.524	4.493	3.9	21.2
9 28	0 41.71	+ 4 17.9	3.496	4.493	1.4	21.0
10 8	0 35.99	+ 3 38.0	3.498	4.494	1.2	21.0
10 18	0 30.48	+ 2 59.3	3.530	4.494	3.6	21.1
10 28	0 25.62	+ 2 24.9	3.592	4.494	5.9	21.3
11 7	0 21.74	+ 1 57.1	3.680	4.494	8.0	21.5

184417 2005 MM_{41} 10 3.5 355.°06 1.°9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.26	+ 1 30.7	1.781	2.644	13.9	20.8
9 8	0 56.27	+ 0 49.2	1.711	2.643	10.4	20.5
9 18	0 50.27	− 0 1.6	1.664	2.641	6.4	20.3
9 28	0 42.89	− 0 56.5	1.643	2.640	2.6	20.1
10 8	0 35.04	− 1 48.7	1.649	2.640	3.4	20.1
10 18	0 27.68	− 2 32.1	1.681	2.640	7.4	20.4
10 28	0 21.72	− 3 1.5	1.740	2.640	11.3	20.6
11 7	0 17.80	− 3 13.9	1.820	2.640	14.6	20.8

485106 2010 GL_{161} 10 3.5 25.°03 15.°7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.53	−32 54.2	1.400	2.248	17.7	20.0
9 8	1 0.69	−34 33.8	1.386	2.259	16.3	20.0
9 18	0 53.08	−35 45.8	1.390	2.271	15.7	20.0
9 28	0 43.83	−36 19.5	1.415	2.284	16.0	20.0
10 8	0 34.40	−36 10.0	1.458	2.297	17.0	20.1
10 18	0 26.17	−35 17.8	1.519	2.312	18.5	20.3
10 28	0 20.19	−33 48.4	1.597	2.327	20.1	20.5
11 7	0 17.00	−31 49.8	1.689	2.343	21.6	20.6

307977 2004 PL_{50} 10 3.5 13.°63 1.°5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.70	+ 3 5.9	1.203	2.077	18.5	20.1
9 8	1 1.25	+ 2 39.2	1.142	2.077	13.9	19.9
9 18	0 53.80	+ 1 58.5	1.099	2.078	8.7	19.6
9 28	0 44.24	+ 1 9.9	1.080	2.079	3.1	19.3
10 8	0 33.97	+ 0 21.8	1.085	2.080	3.6	19.3
10 18	0 24.49	− 0 17.1	1.115	2.081	9.2	19.6
10 28	0 17.18	− 0 39.8	1.168	2.082	14.3	19.9
11 7	0 12.88	− 0 42.7	1.240	2.084	18.6	20.2

468561 2006 VV_{100} 10 3.5 12.°80 5.°0/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 48.68	+19 48.7	0.843	1.714	24.5	19.8
9 8	0 49.13	+19 12.5	0.796	1.719	19.9	19.6
9 18	0 46.45	+17 51.8	0.765	1.727	14.4	19.3
9 28	0 41.61	+15 50.7	0.751	1.738	8.6	19.1
10 8	0 36.11	+13 22.5	0.757	1.751	5.0	18.9
10 18	0 31.52	+10 46.4	0.784	1.766	8.3	19.2
10 28	0 29.17	+ 8 23.1	0.833	1.783	13.7	19.5
11 7	0 29.78	+ 6 27.6	0.901	1.803	18.6	19.9

289808 2005 JD_{157} 10 3.5 331.°47 3.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.26	− 2 54.2	1.735	2.608	13.7	20.2
9 8	0 56.33	− 3 55.7	1.667	2.604	10.2	19.9
9 18	0 50.34	− 5 3.7	1.622	2.599	6.6	19.7
9 28	0 42.93	− 6 11.1	1.603	2.596	3.9	19.6
10 8	0 35.03	− 7 10.1	1.611	2.592	5.3	19.6
10 18	0 27.62	− 7 54.1	1.645	2.588	8.9	19.8
10 28	0 21.64	− 8 18.6	1.704	2.585	12.5	20.1
11 7	0 17.75	− 8 21.9	1.783	2.582	15.7	20.3

311926 2007 BY_{72} 10 3.5 190.°08 5.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.31	−10 28.4	2.289	3.152	11.2	20.7
9 8	0 57.35	−11 20.9	2.226	3.151	8.6	20.5
9 18	0 50.73	−12 12.1	2.187	3.151	6.2	20.4
9 28	0 43.02	−12 56.1	2.175	3.150	5.1	20.3
10 8	0 34.97	−13 27.7	2.191	3.149	6.2	20.4
10 18	0 27.36	−13 43.1	2.235	3.148	8.6	20.5
10 28	0 20.93	−13 40.3	2.304	3.147	11.2	20.7
11 7	0 16.21	−13 19.7	2.395	3.145	13.5	20.9

377063 2002 TZ_{305} 10 3.5 315.°39 3.°9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.42	− 0 58.1	1.234	2.122	17.1	20.6
9 8	0 57.51	− 1 49.2	1.152	2.096	13.0	20.3
9 18	0 51.68	− 2 53.0	1.089	2.071	8.3	19.9
9 28	0 43.59	− 4 1.5	1.050	2.046	4.2	19.6
10 8	0 34.42	− 5 4.2	1.034	2.022	5.9	19.7
10 18	0 25.64	− 5 50.8	1.041	1.998	11.0	19.9
10 28	0 18.74	− 6 13.4	1.070	1.976	16.2	20.1
11 7	0 14.75	− 6 8.7	1.118	1.954	20.7	20.3

255269 2005 VK_{49} 10 3.5 310.°89 4.°2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.88	+18 24.1	2.210	2.997	14.1	20.1
9 8	0 56.58	+18 37.3	2.121	2.992	11.5	19.9
9 18	0 50.44	+18 33.3	2.053	2.987	8.6	19.7
9 28	0 42.98	+18 12.0	2.010	2.981	5.7	19.5
10 8	0 34.99	+17 35.4	1.993	2.976	4.2	19.4
10 18	0 27.32	+16 47.6	2.005	2.971	5.7	19.5
10 28	0 20.83	+15 54.7	2.044	2.966	8.6	19.7
11 7	0 16.16	+15 3.0	2.108	2.962	11.6	19.9

67463 2000 QM_{204} 10 3.5 123.°01 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.04	+ 1 39.1	2.073	2.927	12.6	19.2
9 8	0 56.57	+ 0 59.2	2.002	2.929	9.4	19.0
9 18	0 50.33	+ 0 11.1	1.956	2.931	5.8	18.8
9 28	0 42.90	− 0 40.5	1.936	2.933	2.3	18.5
10 8	0 35.09	− 1 29.9	1.944	2.935	3.0	18.6
10 18	0 27.71	− 2 11.8	1.980	2.937	6.6	18.8
10 28	0 21.57	− 2 41.8	2.043	2.939	10.1	19.0
11 7	0 17.24	− 2 57.2	2.130	2.941	13.1	19.2

120520 1994 AW_{14} 10 3.5 109.°39 1.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.06	+ 9 7.7	1.745	2.582	15.3	20.5
9 8	0 59.15	+ 8 49.1	1.678	2.590	11.7	20.3
9 18	0 52.08	+ 8 15.3	1.631	2.598	7.6	20.1
9 28	0 43.56	+ 7 29.5	1.611	2.606	3.2	19.8
10 8	0 34.57	+ 6 37.1	1.617	2.614	1.9	19.8
10 18	0 26.17	+ 5 44.7	1.651	2.621	6.3	20.1
10 28	0 19.32	+ 4 58.9	1.712	2.629	10.4	20.3
11 7	0 14.67	+ 4 24.8	1.796	2.636	13.9	20.6

311503 2005 WU_{74} 10 3.5 296.°76 2.°6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.47	+ 1 10.2	2.033	2.895	12.4	20.5
9 8	0 54.08	− 0 6.7	1.947	2.879	9.3	20.3
9 18	0 48.89	− 1 34.6	1.885	2.863	5.7	20.0
9 28	0 42.43	− 3 7.4	1.850	2.846	2.8	19.8
10 8	0 35.45	− 4 37.3	1.844	2.830	4.1	19.9
10 18	0 28.79	− 5 56.9	1.866	2.814	7.7	20.0
10 28	0 23.26	− 6 59.8	1.913	2.798	11.2	20.2
11 7	0 19.51	− 7 42.3	1.984	2.782	14.4	20.4

480970 2003 UD_{308} 10 3.5 327.°89 0.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.18	+ 8 58.1	1.321	2.192	17.3	20.4
9 8	0 52.57	+ 7 58.8	1.232	2.165	13.3	20.1
9 18	0 48.44	+ 6 34.1	1.163	2.140	8.6	19.8
9 28	0 42.39	+ 4 48.9	1.117	2.116	3.1	19.4
10 8	0 35.44	+ 2 53.1	1.095	2.092	2.7	19.3
10 18	0 28.84	+ 0 59.4	1.099	2.070	8.5	19.6
10 28	0 23.88	− 0 39.0	1.125	2.049	13.9	19.8
11 7	0 21.48	− 1 52.9	1.172	2.029	18.6	20.0

454797 2015 QM_{9} 10 3.5 353.°57 0.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.93	+ 6 44.9	1.797	2.647	14.4	20.9
9 8	0 56.06	+ 6 14.6	1.723	2.646	10.9	20.7
9 18	0 50.17	+ 5 30.7	1.672	2.644	6.9	20.4
9 28	0 42.89	+ 4 37.2	1.645	2.643	2.5	20.2
10 8	0 35.12	+ 3 40.0	1.646	2.642	2.0	20.1
10 18	0 27.81	+ 2 45.8	1.674	2.642	6.4	20.4
10 28	0 21.89	+ 2 0.7	1.728	2.641	10.5	20.7
11 7	0 17.99	+ 1 29.5	1.805	2.641	14.0	20.9

84419 2002 TE_{207} 10 3.5 186.°07 0.°0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.82	+ 5 53.7	1.708	2.551	15.3	19.7
9 8	1 1.36	+ 5 42.0	1.633	2.551	11.7	19.5
9 18	0 53.57	+ 5 18.0	1.580	2.551	7.4	19.3
9 28	0 44.14	+ 4 44.9	1.553	2.550	2.7	19.0
10 8	0 34.12	+ 4 8.0	1.553	2.549	2.1	18.9
10 18	0 24.65	+ 3 33.0	1.581	2.548	6.8	19.2
10 28	0 16.79	+ 3 5.9	1.635	2.546	11.1	19.5
11 7	0 11.28	+ 2 50.9	1.712	2.544	14.8	19.7

327170 2005 JM_{84} 10 3.5 75.°06 1.°8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.94	+12 30.0	1.393	2.235	18.2	21.3
9 8	0 58.72	+11 52.1	1.335	2.248	14.1	21.1
9 18	0 51.97	+10 51.4	1.296	2.261	9.4	20.9
9 28	0 43.54	+ 9 32.1	1.281	2.275	4.3	20.6
10 8	0 34.65	+ 8 2.6	1.291	2.288	2.4	20.5
10 18	0 26.53	+ 6 32.9	1.328	2.301	7.0	20.8
10 28	0 20.30	+ 5 13.2	1.390	2.314	11.7	21.2
11 7	0 16.63	+ 4 10.7	1.475	2.327	15.7	21.4

42555 1996 RU_{31} 10 3.5 12.°96 0.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.26	+ 2 42.8	3.818	4.659	7.6	19.2
9 8	0 50.05	+ 2 10.0	3.741	4.661	5.6	19.1
9 18	0 45.96	+ 1 32.5	3.690	4.664	3.4	18.9
9 28	0 41.29	+ 0 52.6	3.668	4.666	1.2	18.7
10 8	0 36.43	+ 0 13.1	3.676	4.668	1.6	18.8
10 18	0 31.77	− 0 23.3	3.713	4.671	3.8	18.9
10 28	0 27.70	− 0 54.1	3.780	4.674	5.9	19.1
11 7	0 24.53	− 1 17.2	3.872	4.677	7.8	19.2

101371 1998 UT_{5} 10 3.5 318.°06 3.°0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.54	+ 0 42.5	1.277	2.160	17.0	19.4
9 8	0 57.44	− 0 2.4	1.199	2.141	12.9	19.1
9 18	0 51.53	− 1 0.4	1.141	2.122	8.1	18.8
9 28	0 43.52	− 2 4.5	1.106	2.104	3.5	18.5
10 8	0 34.58	− 3 5.2	1.096	2.087	4.9	18.5
10 18	0 26.11	− 3 53.0	1.109	2.070	10.0	18.8
10 28	0 19.49	− 4 20.0	1.145	2.054	15.1	19.0
11 7	0 15.66	− 4 22.8	1.200	2.039	19.4	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246528	2008 FQ_{129}		10	3.5	252.°75	0.°4/ 3.9 18
	h m	° ′			°	m
8 29	1 0.16	+ 8 5.4	2.204	3.038	12.6	21.2
9 8	0 55.94	+ 7 35.4	2.118	3.031	9.7	21.0
9 18	0 49.98	+ 6 52.9	2.055	3.023	6.2	20.7
9 28	0 42.82	+ 6 0.8	2.018	3.015	2.4	20.5
10 8	0 35.19	+ 5 4.0	2.011	3.007	1.6	20.4
10 18	0 27.90	+ 4 7.8	2.031	2.999	5.5	20.7
10 28	0 21.73	+ 3 18.0	2.080	2.991	9.1	20.9
11 7	0 17.28	+ 2 39.0	2.153	2.983	12.3	21.1
174854	2003 YW_{173}		10	3.6	49.°27	6.°0/29.7 18
8 29	1 6.77	− 6 44.8	1.197	2.082	17.7	19.5
9 8	1 1.75	− 7 37.1	1.155	2.095	13.3	19.3
9 18	0 53.90	− 8 30.6	1.133	2.109	8.9	19.1
9 28	0 44.23	− 9 15.7	1.135	2.123	6.1	19.0
10 8	0 34.18	− 9 43.6	1.160	2.137	7.6	19.1
10 18	0 25.19	− 9 48.7	1.210	2.152	11.5	19.4
10 28	0 18.43	− 9 29.1	1.282	2.167	15.5	19.7
11 7	0 14.58	− 8 46.9	1.372	2.183	19.0	19.9
312642	2010 BH_{62}		10	3.6	298.°17	2.°6/ 8.8 18
8 29	0 54.29	+19 35.0	4.316	5.073	8.2	20.6
9 8	0 50.80	+19 33.7	4.220	5.070	6.7	20.5
9 18	0 46.43	+19 22.6	4.147	5.066	5.1	20.3
9 28	0 41.48	+19 2.2	4.100	5.063	3.5	20.2
10 8	0 36.30	+18 33.8	4.083	5.060	2.6	20.2
10 18	0 31.29	+17 59.5	4.095	5.057	3.3	20.2
10 28	0 26.81	+17 21.8	4.137	5.054	4.8	20.3
11 7	0 23.21	+16 43.8	4.206	5.050	6.5	20.4
69295	Stecklum		10	3.6	339.°64	2.°6/ 5.5 17
8 29	1 4.12	+10 9.3	1.858	2.687	14.8	18.5
9 8	0 59.36	+10 46.0	1.771	2.676	11.7	18.3
9 18	0 52.37	+11 10.9	1.705	2.665	8.0	18.1
9 28	0 43.76	+11 24.1	1.665	2.655	4.2	17.8
10 8	0 34.44	+11 27.5	1.652	2.646	2.8	17.7
10 18	0 25.46	+11 24.2	1.666	2.637	6.1	17.9
10 28	0 17.87	+11 18.8	1.707	2.629	10.0	18.1
11 7	0 12.45	+11 16.2	1.772	2.622	13.6	18.3
353638	2011 UR_{78}		10	3.6	66.°30	1.°9/ 5.4 18
8 29	1 1.70	+11 41.0	1.892	2.718	14.7	21.1
9 8	0 57.29	+11 27.5	1.819	2.723	11.4	20.9
9 18	0 50.90	+10 58.1	1.768	2.728	7.7	20.7
9 28	0 43.16	+10 14.9	1.742	2.734	3.7	20.4
10 8	0 34.97	+ 9 22.6	1.743	2.739	2.2	20.3
10 18	0 27.26	+ 8 27.2	1.773	2.744	5.7	20.6
10 28	0 20.93	+ 7 35.3	1.829	2.750	9.6	20.8
11 7	0 16.62	+ 6 52.6	1.909	2.755	12.9	21.1
107202	2001 BU_{32}		10	3.6	303.°45	2.°6/ 1.1 18
8 29	0 59.65	+ 1 44.9	1.566	2.437	15.0	19.7
9 8	0 56.37	+ 0 43.5	1.475	2.411	11.4	19.5
9 18	0 50.69	− 0 32.3	1.406	2.385	7.1	19.1
9 28	0 43.20	− 1 56.0	1.361	2.359	3.1	18.8
10 8	0 34.87	− 3 18.6	1.343	2.333	4.5	18.9
10 18	0 26.83	− 4 30.7	1.351	2.307	9.1	19.1
10 28	0 20.28	− 5 24.0	1.383	2.282	13.7	19.3
11 7	0 16.07	− 5 53.7	1.436	2.257	17.7	19.5
480963	2003 UH_{90}		10	3.6	329.°35	4.°5/30.2 18
8 29	1 0.83	− 3 47.6	1.379	2.264	15.8	20.6
9 8	0 57.42	− 4 30.7	1.304	2.246	12.0	20.4
9 18	0 51.39	− 5 20.3	1.251	2.230	7.8	20.1
9 28	0 43.44	− 6 8.8	1.221	2.214	4.6	19.9
10 8	0 34.71	− 6 47.5	1.215	2.199	6.1	19.9
10 18	0 26.47	− 7 9.1	1.234	2.185	10.4	20.1
10 28	0 19.98	− 7 8.5	1.275	2.171	14.8	20.3
11 7	0 16.09	− 6 44.7	1.336	2.159	18.7	20.6
222203	2000 DA_{115}		10	3.6	165.°12	0.°7/ 4.2 18
8 29	1 5.38	+ 8 47.3	1.957	2.786	14.2	21.6
9 8	0 59.98	+ 8 21.7	1.882	2.791	10.9	21.4
9 18	0 52.55	+ 7 42.2	1.830	2.795	7.0	21.2
9 28	0 43.76	+ 6 51.8	1.804	2.799	2.8	20.9
10 8	0 34.50	+ 5 55.7	1.806	2.803	1.8	20.8
10 18	0 25.75	+ 4 59.9	1.838	2.805	6.0	21.1
10 28	0 18.40	+ 4 10.9	1.896	2.807	9.9	21.4
11 7	0 13.11	+ 3 33.3	1.979	2.809	13.2	21.6
73989	1998 ED_{12}		10	3.6	83.°93	2.°7/ 1.7 18
8 29	1 8.43	− 0 29.4	1.392	2.259	16.8	18.4
9 8	1 2.77	− 0 55.5	1.339	2.271	12.6	18.2
9 18	0 54.48	− 1 29.3	1.306	2.283	7.8	17.9
9 28	0 44.46	− 2 4.6	1.298	2.295	3.3	17.7
10 8	0 33.99	− 2 34.3	1.316	2.306	4.3	17.8
10 18	0 24.40	− 2 52.4	1.360	2.318	8.8	18.1
10 28	0 16.83	− 2 54.6	1.429	2.330	13.2	18.4
11 7	0 11.97	− 2 39.7	1.518	2.341	16.8	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
55288	2001 SZ_{30}		10	3.6	236.°95	1.°3/ 2.2 18
	h m	° ′			°	m
8 29	1 0.89	+ 3 4.2	2.013	2.865	12.9	18.9
9 8	0 56.56	+ 2 23.6	1.938	2.864	9.7	18.7
9 18	0 50.40	+ 1 33.1	1.887	2.862	6.0	18.4
9 28	0 42.98	+ 0 37.5	1.862	2.860	2.2	18.2
10 8	0 35.13	− 0 17.4	1.866	2.859	2.7	18.2
10 18	0 27.70	− 1 5.9	1.897	2.857	6.6	18.5
10 28	0 21.52	− 1 42.9	1.955	2.855	10.2	18.7
11 7	0 17.20	− 2 5.0	2.037	2.853	13.4	18.9
514792	2007 LK_{32}		10	3.6	144.°63	4.°6/27.8 18
8 29	1 2.20	−11 40.8	2.771	3.626	9.7	22.0
9 8	0 56.96	−12 25.6	2.714	3.634	7.5	21.9
9 18	0 50.36	−13 8.1	2.682	3.641	5.5	21.8
9 28	0 42.90	−13 43.7	2.678	3.649	4.6	21.7
10 8	0 35.22	−14 8.1	2.703	3.656	5.5	21.8
10 18	0 27.93	−14 18.8	2.757	3.662	7.5	22.0
10 28	0 21.65	−14 14.2	2.837	3.669	9.7	22.1
11 7	0 16.82	−13 54.6	2.939	3.674	11.6	22.3
145757	1996 VO_{17}		10	3.6	338.°40	6.°9/27.9 18
8 29	1 6.26	−14 1.6	1.806	2.673	13.6	19.6
9 8	1 0.77	−14 40.2	1.744	2.668	10.7	19.4
9 18	0 53.09	−15 13.5	1.705	2.664	8.1	19.3
9 28	0 43.95	−15 34.2	1.692	2.660	6.9	19.2
10 8	0 34.38	−15 36.6	1.704	2.657	8.1	19.2
10 18	0 25.43	−15 17.5	1.743	2.654	10.8	19.4
10 28	0 18.07	−14 36.2	1.805	2.651	13.7	19.6
11 7	0 12.94	−13 35.1	1.889	2.649	16.3	19.8
203630	2002 FR_{27}		10	3.6	243.°74	3.°5/30.6 18
8 29	1 3.97	− 2 41.5	1.705	2.572	14.2	20.0
9 8	0 59.17	− 3 26.7	1.637	2.570	10.6	19.8
9 18	0 52.17	− 4 17.8	1.592	2.568	6.8	19.6
9 28	0 43.65	− 5 8.3	1.572	2.566	3.7	19.4
10 8	0 34.62	− 5 51.3	1.580	2.564	4.9	19.5
10 18	0 26.14	− 6 20.7	1.614	2.561	8.7	19.7
10 28	0 19.20	− 6 32.5	1.673	2.559	12.5	19.9
11 7	0 14.50	− 6 25.2	1.753	2.557	15.8	20.1
373169	2012 DU_{19}		10	3.6	150.°38	3.°7/ 6.3 17
8 29	1 8.44	+14 0.1	1.561	2.380	17.7	21.2
9 8	1 2.89	+14 19.6	1.488	2.384	14.1	21.0
9 18	0 54.69	+14 20.0	1.435	2.388	9.9	20.7
9 28	0 44.61	+14 1.3	1.406	2.392	5.7	20.5
10 8	0 33.84	+13 26.9	1.403	2.395	3.8	20.4
10 18	0 23.68	+12 42.6	1.427	2.398	7.0	20.6
10 28	0 15.37	+11 56.5	1.477	2.401	11.2	20.8
11 7	0 9.71	+11 16.3	1.550	2.403	15.0	21.1
116514	2004 BS_{39}		10	3.6	94.°53	3.°4/30.6 17
8 29	1 5.34	− 0 45.6	1.550	2.417	15.4	20.5
9 8	1 0.12	− 1 55.5	1.504	2.437	11.4	20.3
9 18	0 52.65	− 3 13.0	1.479	2.456	7.1	20.1
9 28	0 43.77	− 4 30.1	1.481	2.475	3.7	20.0
10 8	0 34.60	− 5 38.2	1.510	2.494	5.0	20.1
10 18	0 26.23	− 6 30.1	1.565	2.513	8.9	20.4
10 28	0 19.64	− 7 1.4	1.645	2.531	12.7	20.6
11 7	0 15.40	− 7 10.9	1.747	2.548	15.9	20.9
411873	2012 EN_2		10	3.6	177.°89	2.°7/30.1 18
8 29	0 58.22	− 0 59.3	2.424	3.281	10.8	21.1
9 8	0 54.26	− 2 11.2	2.353	3.282	8.0	20.9
9 18	0 48.81	− 3 29.5	2.307	3.283	5.0	20.7
9 28	0 42.39	− 4 48.6	2.289	3.283	2.8	20.6
10 8	0 35.64	− 6 2.7	2.301	3.283	3.9	20.6
10 18	0 29.24	− 7 6.2	2.342	3.283	6.8	20.8
10 28	0 23.85	− 7 54.8	2.409	3.283	9.7	21.0
11 7	0 19.95	− 8 26.4	2.500	3.282	12.2	21.2
426109	2012 FL_{50}		10	3.6	280.°67	2.°8/ 1.4 17 R
8 29	1 3.28	+ 1 21.0	1.360	2.234	16.7	21.7
9 8	0 59.32	+ 0 26.3	1.285	2.221	12.6	21.4
9 18	0 52.63	− 0 42.0	1.230	2.209	7.9	21.1
9 28	0 43.93	− 1 56.9	1.199	2.196	3.4	20.8
10 8	0 34.40	− 3 8.4	1.194	2.184	4.7	20.9
10 18	0 25.39	− 4 7.1	1.213	2.171	9.7	21.1
10 28	0 18.22	− 4 45.2	1.257	2.159	14.5	21.4
11 7	0 13.77	− 4 59.2	1.319	2.146	18.7	21.6
482987	2014 OM_{88}		10	3.6	98.°66	5.°4/ 9.7 18
8 29	1 1.69	+22 41.5	2.239	3.000	14.7	21.4
9 8	0 57.18	+22 56.0	2.157	3.004	12.3	21.2
9 18	0 50.81	+22 50.8	2.095	3.009	9.6	21.0
9 28	0 43.16	+22 25.3	2.058	3.013	6.9	20.9
10 8	0 35.04	+21 41.2	2.046	3.018	5.4	20.8
10 18	0 27.32	+20 43.0	2.063	3.022	6.2	20.9
10 28	0 20.83	+19 37.0	2.107	3.026	8.5	21.0
11 7	0 16.20	+18 30.3	2.176	3.031	11.2	21.2

476456 2008 EY_{74} 10 3.6 278.°56 1.°9/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.83	+ 2 29.3	1.468	2.334	16.1	21.3
9 8	0 59.60	+ 1 49.6	1.387	2.320	12.2	21.1
9 18	0 52.75	+ 0 56.8	1.328	2.305	7.6	20.8
9 28	0 43.97	− 0 3.5	1.293	2.291	2.9	20.5
10 8	0 34.36	− 1 3.1	1.284	2.277	3.8	20.5
10 18	0 25.22	− 1 53.8	1.301	2.262	8.7	20.7
10 28	0 17.79	− 2 28.2	1.342	2.248	13.5	21.0
11 7	0 12.95	− 2 42.4	1.404	2.233	17.6	21.2

262875 2007 BD_{62} 10 3.6 144.°88 1.°1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.15	+ 2 51.5	2.407	3.251	11.4	21.7
9 8	0 56.42	+ 2 15.9	2.336	3.257	8.5	21.5
9 18	0 50.16	+ 1 32.8	2.290	3.263	5.2	21.3
9 28	0 42.88	+ 0 45.8	2.271	3.269	1.9	21.1
10 8	0 35.28	− 0 0.4	2.281	3.274	2.3	21.1
10 18	0 28.08	− 0 41.4	2.320	3.279	5.7	21.4
10 28	0 21.96	− 1 13.0	2.388	3.284	8.8	21.6
11 7	0 17.42	− 1 32.7	2.479	3.288	11.5	21.8

339180 2004 TD_{143} 10 3.6 44.°07 2.°8/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.34	+13 46.6	1.275	2.119	19.4	20.5
9 8	0 58.33	+13 26.2	1.230	2.142	15.1	20.3
9 18	0 51.73	+12 41.7	1.203	2.166	10.2	20.1
9 28	0 43.48	+11 37.0	1.199	2.190	5.2	19.9
10 8	0 34.87	+10 19.9	1.219	2.215	3.0	19.9
10 18	0 27.20	+ 9 0.5	1.265	2.240	7.0	20.2
10 28	0 21.54	+ 7 48.6	1.336	2.266	11.5	20.5
11 7	0 18.51	+ 6 51.9	1.428	2.292	15.4	20.8

520971 2014 YG_{63} 10 3.6 49.°98 6.°8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.07	− 9 53.7	1.378	2.257	16.2	20.2
9 8	1 1.79	−10 45.5	1.330	2.265	12.4	20.0
9 18	0 53.88	−11 35.4	1.303	2.273	8.8	19.9
9 28	0 44.27	−12 14.0	1.301	2.282	6.8	19.8
10 8	0 34.25	−12 33.6	1.323	2.291	8.2	19.9
10 18	0 25.13	−12 29.7	1.370	2.300	11.6	20.1
10 28	0 18.04	−12 1.2	1.440	2.309	15.2	20.3
11 7	0 13.64	−11 10.4	1.529	2.319	18.3	20.6

320196 2007 GY_{68} 10 3.6 119.°49 0.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.54	+ 7 19.2	2.330	3.167	11.9	21.3
9 8	0 54.56	+ 6 29.2	2.256	3.171	9.0	21.1
9 18	0 49.04	+ 5 27.3	2.205	3.176	5.7	20.9
9 28	0 42.50	+ 4 17.6	2.182	3.180	2.0	20.6
10 8	0 35.63	+ 3 5.4	2.188	3.184	1.7	20.6
10 18	0 29.14	+ 1 56.5	2.223	3.188	5.4	20.9
10 28	0 23.71	+ 0 56.4	2.286	3.192	8.7	21.1
11 7	0 19.85	+ 0 9.0	2.374	3.196	11.5	21.3

383478 2007 AM_{30} 10 3.6 173.°78 0.°2/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.30	+ 6 34.7	1.899	2.738	14.1	22.5
9 8	0 59.24	+ 5 58.5	1.824	2.741	10.7	22.3
9 18	0 52.15	+ 5 9.3	1.772	2.743	6.8	22.0
9 28	0 43.67	+ 4 11.0	1.747	2.744	2.4	21.8
10 8	0 34.71	+ 3 9.5	1.749	2.745	2.1	21.8
10 18	0 26.24	+ 2 11.5	1.781	2.746	6.4	22.0
10 28	0 19.18	+ 1 23.1	1.839	2.746	10.4	22.3
11 7	0 14.19	+ 0 48.7	1.921	2.745	13.7	22.5

381126 2007 DZ_{108} 10 3.6 274.°11 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.86	+ 8 6.0	1.638	2.484	15.7	21.3
9 8	0 58.69	+ 7 38.7	1.549	2.468	12.1	21.0
9 18	0 52.11	+ 6 54.8	1.481	2.452	7.8	20.8
9 28	0 43.75	+ 5 57.3	1.438	2.435	3.0	20.4
10 8	0 34.59	+ 4 52.5	1.422	2.419	2.1	20.3
10 18	0 25.80	+ 3 48.1	1.432	2.402	7.1	20.6
10 28	0 18.53	+ 2 52.2	1.469	2.385	11.8	20.8
11 7	0 13.62	+ 2 11.1	1.527	2.368	15.9	21.1

314571 2005 YX_{190} 10 3.6 122.°50 5.°0/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.45	−11 6.3	2.541	3.403	10.3	21.0
9 8	0 55.79	−12 11.9	2.489	3.414	7.9	20.9
9 18	0 49.71	−13 15.7	2.463	3.424	5.8	20.8
9 28	0 42.72	−14 12.0	2.464	3.434	5.0	20.8
10 8	0 35.49	−14 55.8	2.494	3.444	6.1	20.8
10 18	0 28.68	−15 23.6	2.551	3.453	8.2	21.0
10 28	0 22.92	−15 33.6	2.633	3.462	10.4	21.2
11 7	0 18.67	−15 26.0	2.738	3.471	12.4	21.3

152808 1999 TG_{195} 10 3.6 359.°91 4.°6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.57	+20 5.3	2.061	2.847	15.0	19.5
9 8	0 55.72	+20 6.5	1.978	2.846	12.4	19.3
9 18	0 49.97	+19 47.4	1.915	2.846	9.3	19.1
9 28	0 42.89	+19 8.2	1.876	2.846	6.3	18.9
10 8	0 35.32	+18 11.8	1.864	2.846	4.6	18.8
10 18	0 28.14	+17 3.3	1.879	2.846	5.9	18.9
10 28	0 22.22	+15 50.0	1.921	2.847	8.9	19.1
11 7	0 18.20	+14 39.5	1.988	2.848	11.9	19.3

387976 2005 LM_8 10 3.6 113.°64 6.°1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.33	−13 29.4	2.190	3.048	11.8	21.1
9 8	0 59.57	−14 28.6	2.145	3.065	9.2	21.0
9 18	0 52.09	−15 23.4	2.126	3.081	7.0	20.9
9 28	0 43.57	−16 7.3	2.133	3.097	6.1	20.9
10 8	0 34.84	−16 35.1	2.168	3.112	7.2	21.0
10 18	0 26.72	−16 43.8	2.230	3.127	9.4	21.1
10 28	0 19.94	−16 32.4	2.317	3.142	11.8	21.3
11 7	0 15.02	−16 2.3	2.425	3.156	13.9	21.5

517683 2015 DO_{230} 10 3.6 293.°98 2.°8/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.89	− 4 29.0	2.986	3.846	9.0	21.4
9 8	0 52.32	− 5 24.0	2.906	3.835	6.7	21.2
9 18	0 47.54	− 6 22.1	2.852	3.825	4.4	21.1
9 28	0 41.96	− 7 19.0	2.826	3.815	2.9	21.0
10 8	0 36.07	− 8 10.5	2.830	3.805	3.8	21.0
10 18	0 30.42	− 8 52.5	2.862	3.794	6.1	21.2
10 28	0 25.54	− 9 22.3	2.922	3.784	8.5	21.3
11 7	0 21.85	− 9 38.1	3.005	3.774	10.6	21.4

324197 2006 AG_{72} 10 3.6 279.°82 2.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.22	− 1 25.2	2.220	3.080	11.6	21.2
9 8	0 55.22	− 2 19.7	2.140	3.070	8.6	21.0
9 18	0 49.55	− 3 20.6	2.084	3.060	5.4	20.8
9 28	0 42.72	− 4 22.8	2.055	3.049	2.9	20.6
10 8	0 35.46	− 5 20.3	2.055	3.039	4.0	20.6
10 18	0 28.52	− 6 7.6	2.083	3.028	7.2	20.8
10 28	0 22.68	− 6 40.5	2.137	3.018	10.4	21.0
11 7	0 18.49	− 6 56.7	2.214	3.008	13.2	21.2

272383 2005 SN_{231} 10 3.6 222.°31 1.°5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.31	+ 1 49.2	1.746	2.599	14.6	21.5
9 8	1 0.98	+ 1 27.9	1.669	2.594	11.0	21.3
9 18	0 53.37	+ 0 57.6	1.615	2.590	6.9	21.0
9 28	0 44.15	+ 0 22.8	1.587	2.585	2.6	20.7
10 8	0 34.33	− 0 10.9	1.586	2.579	3.1	20.8
10 18	0 25.01	− 0 37.9	1.613	2.574	7.4	21.0
10 28	0 17.24	− 0 53.2	1.666	2.568	11.6	21.3
11 7	0 11.75	− 0 54.0	1.742	2.562	15.1	21.5

408579 2013 LR_{16} 10 3.6 50.°58 3.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.45	+17 7.1	2.257	3.052	13.6	20.6
9 8	0 55.40	+16 56.9	2.176	3.055	10.9	20.4
9 18	0 49.65	+16 29.4	2.116	3.058	7.9	20.2
9 28	0 42.76	+15 45.8	2.082	3.061	4.9	20.0
10 8	0 35.45	+14 49.5	2.076	3.065	3.3	19.9
10 18	0 28.52	+13 45.5	2.098	3.068	5.1	20.1
10 28	0 22.74	+12 40.1	2.148	3.071	8.2	20.3
11 7	0 18.67	+11 39.5	2.223	3.075	11.1	20.5

156712 2002 NR_{47} 10 3.6 79.°67 1.°4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.07	+11 14.1	2.327	3.147	12.5	20.4
9 8	0 55.68	+10 52.4	2.259	3.160	9.7	20.2
9 18	0 49.72	+10 17.8	2.214	3.174	6.4	20.0
9 28	0 42.75	+ 9 32.6	2.195	3.188	3.0	19.8
10 8	0 35.48	+ 8 40.9	2.205	3.201	1.7	19.8
10 18	0 28.64	+ 7 47.7	2.244	3.215	4.8	20.0
10 28	0 22.91	+ 6 58.2	2.311	3.228	8.0	20.2
11 7	0 18.81	+ 6 16.8	2.403	3.241	10.9	20.4

332166 2005 YS_{204} 10 3.6 103.°05 19.°6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.85	−32 39.3	1.055	1.920	21.1	19.5
9 8	1 4.15	−35 59.5	1.051	1.931	19.8	19.4
9 18	0 55.75	−38 42.3	1.064	1.941	19.6	19.5
9 28	0 44.99	−40 30.4	1.095	1.952	20.5	19.6
10 8	0 33.82	−41 16.0	1.142	1.962	22.0	19.7
10 18	0 24.16	−41 0.8	1.204	1.972	23.8	19.9
10 28	0 17.46	−39 52.9	1.278	1.981	25.5	20.1
11 7	0 14.34	−38 4.5	1.361	1.990	26.9	20.3

261827 2006 DN_4 10 3.6 97.°85 0.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.39	+ 3 17.8	2.560	3.401	10.9	20.9
9 8	0 55.72	+ 2 45.5	2.497	3.416	8.1	20.7
9 18	0 49.66	+ 2 6.1	2.459	3.432	5.0	20.6
9 28	0 42.71	+ 1 23.1	2.449	3.447	1.8	20.4
10 8	0 35.52	+ 0 40.6	2.468	3.462	2.0	20.4
10 18	0 28.74	+ 0 2.8	2.517	3.477	5.2	20.6
10 28	0 22.98	− 0 26.8	2.594	3.491	8.1	20.9
11 7	0 18.69	− 0 45.7	2.695	3.505	10.7	21.0

207280 2005 FX_7 10 3.6 98.°62 5.°8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.96	− 9 41.0	1.982	2.852	12.4	20.1
9 8	0 57.24	−11 11.6	1.939	2.869	9.4	20.0
9 18	0 50.73	−12 41.2	1.921	2.885	6.9	19.8
9 28	0 43.12	−14 1.6	1.929	2.902	5.8	19.8
10 8	0 35.24	−15 5.6	1.965	2.918	7.2	19.9
10 18	0 27.96	−15 48.6	2.027	2.933	9.8	20.1
10 28	0 22.03	−16 8.3	2.114	2.949	12.4	20.3
11 7	0 17.99	−16 5.4	2.221	2.964	14.7	20.5

377314 2004 HM_{25} 10 3.6 104.°10 2.°0/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.78	+ 1 15.9	1.695	2.550	14.9	21.5
9 8	1 1.10	+ 0 36.0	1.642	2.568	11.1	21.3
9 18	0 53.26	− 0 12.3	1.611	2.586	6.8	21.1
9 28	0 44.05	− 1 3.5	1.606	2.603	2.7	20.9
10 8	0 34.52	− 1 50.8	1.629	2.620	3.5	21.0
10 18	0 25.73	− 2 28.2	1.680	2.637	7.6	21.3
10 28	0 18.61	− 2 51.3	1.757	2.653	11.4	21.5
11 7	0 13.76	− 2 57.9	1.856	2.668	14.7	21.8

115611 2003 UG_{103} 10 3.6 283.°29 3.°6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.09	− 4 2.3	1.779	2.643	13.8	19.8
9 8	1 0.08	− 4 33.5	1.700	2.631	10.4	19.5
9 18	0 52.83	− 5 8.8	1.644	2.618	6.7	19.3
9 28	0 43.99	− 5 42.4	1.613	2.606	3.8	19.1
10 8	0 34.51	− 6 8.3	1.610	2.593	5.0	19.1
10 18	0 25.49	− 6 21.2	1.634	2.581	8.7	19.3
10 28	0 17.94	− 6 17.5	1.683	2.568	12.5	19.5
11 7	0 12.60	− 5 56.1	1.754	2.556	15.8	19.7

18652 1998 FD_{15} 10 3.6 113.°65 0.°6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.97	+ 9 4.1	1.624	2.462	16.2	17.9
9 8	1 0.67	+ 8 28.6	1.564	2.478	12.4	17.7
9 18	0 53.09	+ 7 36.4	1.526	2.494	7.9	17.5
9 28	0 44.02	+ 6 32.0	1.512	2.509	3.1	17.2
10 8	0 34.55	+ 5 22.2	1.526	2.523	2.0	17.2
10 18	0 25.80	+ 4 14.8	1.568	2.537	6.7	17.5
10 28	0 18.77	+ 3 17.4	1.637	2.551	10.9	17.8
11 7	0 14.10	+ 2 35.2	1.728	2.564	14.5	18.0

22293 1989 SK_4 10 3.6 339.°18 1.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 57.30	+ 4 48.7	1.092	1.980	18.8	17.5
9 8	0 55.27	+ 3 55.0	1.024	1.968	14.3	17.2
9 18	0 50.30	+ 2 40.7	0.976	1.958	8.9	16.9
9 28	0 43.17	+ 1 13.1	0.949	1.948	3.2	16.6
10 8	0 35.17	− 0 16.0	0.945	1.940	4.0	16.6
10 18	0 27.79	− 1 34.0	0.964	1.932	9.9	16.9
10 28	0 22.45	− 2 30.4	1.005	1.926	15.4	17.2
11 7	0 20.06	− 2 59.3	1.064	1.921	20.0	17.5

409116 2003 TF_{48} 10 3.6 357.°81 3.°0/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.15	+13 43.3	1.977	2.794	14.5	21.3
9 8	0 56.94	+13 55.8	1.897	2.792	11.5	21.1
9 18	0 50.77	+13 52.7	1.839	2.791	8.1	20.9
9 28	0 43.22	+13 34.8	1.805	2.790	4.7	20.7
10 8	0 35.14	+13 4.9	1.798	2.790	3.1	20.6
10 18	0 27.46	+12 27.7	1.819	2.790	5.7	20.8
10 28	0 21.08	+11 49.1	1.867	2.791	9.2	21.0
11 7	0 16.65	+11 14.7	1.938	2.792	12.4	21.2

136769 1996 OD 10 3.6 95.°02 6.°6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.05	+25 54.2	2.074	2.819	16.2	20.0
9 8	0 58.37	+26 13.9	1.998	2.830	13.7	19.9
9 18	0 51.65	+26 10.5	1.941	2.840	11.0	19.7
9 28	0 43.53	+25 42.8	1.907	2.850	8.4	19.6
10 8	0 34.92	+24 52.3	1.898	2.859	6.7	19.5
10 18	0 26.79	+23 43.9	1.917	2.869	7.1	19.5
10 28	0 20.08	+22 24.9	1.962	2.879	9.2	19.7
11 7	0 15.43	+21 4.0	2.032	2.888	11.8	19.9

402212 2004 XE_{124} 10 3.6 339.°93 7.°3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.18	+18 37.1	1.576	2.382	18.1	19.3
9 8	1 0.13	+20 1.0	1.485	2.362	15.2	19.1
9 18	0 53.32	+21 8.3	1.412	2.344	11.9	18.8
9 28	0 44.32	+21 54.6	1.362	2.326	8.8	18.6
10 8	0 34.18	+22 18.1	1.337	2.310	7.3	18.5
10 18	0 24.25	+22 20.0	1.336	2.295	8.8	18.5
10 28	0 15.93	+22 5.7	1.359	2.282	12.0	18.7
11 7	0 10.30	+21 43.7	1.404	2.270	15.5	18.9

241002 2006 KE_{92} 10 3.6 212.°38 2.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.36	+16 2.5	2.067	2.869	14.5	21.0
9 8	0 57.04	+15 33.2	1.978	2.865	11.5	20.8
9 18	0 50.81	+14 44.4	1.911	2.860	8.1	20.6
9 28	0 43.23	+13 37.9	1.870	2.855	4.6	20.3
10 8	0 35.15	+12 18.1	1.857	2.850	2.8	20.2
10 18	0 27.44	+10 51.7	1.872	2.844	5.5	20.4
10 28	0 21.00	+ 9 26.6	1.916	2.838	9.1	20.6
11 7	0 16.46	+ 8 10.1	1.984	2.831	12.5	20.8

402392 2005 YE_{83} 10 3.6 80.°03 4.°8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.76	− 8 10.5	2.210	3.079	11.4	20.8
9 8	0 55.49	− 9 21.2	2.157	3.088	8.6	20.6
9 18	0 49.63	−10 32.3	2.128	3.097	6.0	20.5
9 28	0 42.75	−11 37.4	2.127	3.106	4.8	20.4
10 8	0 35.57	−12 30.5	2.153	3.115	6.0	20.5
10 18	0 28.87	−13 7.0	2.207	3.124	8.5	20.7
10 28	0 23.33	−13 24.5	2.286	3.133	11.1	20.9
11 7	0 19.45	−13 22.7	2.386	3.142	13.4	21.1

157460 2004 XC_{28} 10 3.6 45.°40 8.°3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.86	−19 57.5	2.061	2.922	12.3	19.0
9 8	0 57.93	−21 4.5	2.021	2.931	10.2	18.9
9 18	0 51.18	−22 1.9	2.005	2.940	8.7	18.8
9 28	0 43.30	−22 42.6	2.013	2.949	8.4	18.8
10 8	0 35.17	−23 1.3	2.047	2.959	9.5	18.9
10 18	0 27.66	−22 55.4	2.105	2.969	11.4	19.1
10 28	0 21.55	−22 25.2	2.186	2.979	13.5	19.2
11 7	0 17.36	−21 33.5	2.286	2.989	15.4	19.4

235216 2003 SR_{217} 10 3.6 66.°66 0.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.16	+ 7 8.6	1.682	2.525	15.5	20.5
9 8	1 0.10	+ 7 4.4	1.615	2.532	11.8	20.3
9 18	0 52.79	+ 6 47.2	1.570	2.539	7.6	20.0
9 28	0 43.96	+ 6 20.0	1.550	2.547	3.0	19.8
10 8	0 34.62	+ 5 47.4	1.557	2.554	2.0	19.7
10 18	0 25.89	+ 5 15.2	1.592	2.561	6.5	20.0
10 28	0 18.77	+ 4 49.1	1.652	2.569	10.7	20.3
11 7	0 13.95	+ 4 33.7	1.736	2.576	14.3	20.6

98875 2001 BN_{15} 10 3.6 214.°86 1.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.16	+ 9 53.9	2.185	3.005	13.2	20.5
9 8	0 59.04	+ 9 42.3	2.096	2.999	10.2	20.2
9 18	0 52.03	+ 9 17.8	2.030	2.992	6.8	20.0
9 28	0 43.69	+ 8 42.3	1.991	2.985	3.1	19.8
10 8	0 34.82	+ 7 59.5	1.981	2.977	1.8	19.7
10 18	0 26.29	+ 7 14.4	1.999	2.968	5.4	19.9
10 28	0 18.96	+ 6 32.4	2.046	2.960	9.1	20.1
11 7	0 13.49	+ 5 58.5	2.117	2.950	12.3	20.3

404564 2013 JX_{50} 10 3.6 41.°94 6.°8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.14	−15 15.0	1.985	2.848	12.7	20.3
9 8	0 59.63	−15 56.2	1.938	2.859	10.0	20.2
9 18	0 52.24	−16 30.9	1.915	2.869	7.7	20.1
9 28	0 43.69	−16 52.8	1.917	2.880	6.8	20.0
10 8	0 34.89	−16 57.0	1.946	2.891	7.9	20.1
10 18	0 26.74	−16 40.9	2.001	2.902	10.1	20.3
10 28	0 20.07	−16 4.5	2.081	2.914	12.6	20.5
11 7	0 15.41	−15 9.9	2.181	2.926	14.9	20.7

11680 1998 DT_{11} 10 3.6 151.°31 1.°8/ 1.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.19	+ 2 3.6	2.103	2.951	12.6	18.8
9 8	0 58.16	+ 1 9.5	2.036	2.959	9.4	18.6
9 18	0 51.37	+ 0 6.7	1.992	2.967	5.8	18.4
9 28	0 43.40	− 0 59.6	1.977	2.974	2.3	18.2
10 8	0 35.08	− 2 3.4	1.990	2.981	3.1	18.3
10 18	0 27.25	− 2 58.7	2.032	2.986	6.7	18.5
10 28	0 20.68	− 3 40.8	2.102	2.992	10.1	18.7
11 7	0 15.94	− 4 6.9	2.195	2.997	13.0	19.0

264054 2009 RK_{70} 10 3.6 170.°01 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.30	+ 5 19.3	2.624	3.460	10.8	21.6
9 8	0 54.99	+ 4 39.0	2.546	3.462	8.1	21.4
9 18	0 49.28	+ 3 49.8	2.493	3.464	5.0	21.2
9 28	0 42.64	+ 2 55.0	2.468	3.466	1.8	21.0
10 8	0 35.68	+ 1 59.0	2.472	3.467	1.8	21.0
10 18	0 29.04	+ 1 6.5	2.506	3.468	5.0	21.2
10 28	0 23.35	+ 0 21.6	2.568	3.469	8.1	21.4
11 7	0 19.09	− 0 12.4	2.656	3.470	10.7	21.6

229743 2007 JA_5 10 3.6 123.°46 3.°1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.71	+19 1.6	2.570	3.349	12.6	20.4
9 8	0 54.64	+18 31.3	2.489	3.356	10.2	20.3
9 18	0 49.09	+17 43.7	2.429	3.364	7.4	20.1
9 28	0 42.57	+16 40.3	2.396	3.371	4.6	19.9
10 8	0 35.74	+15 24.8	2.391	3.378	3.1	19.8
10 18	0 29.28	+14 2.3	2.415	3.385	4.6	20.0
10 28	0 23.83	+12 39.2	2.469	3.391	7.3	20.1
11 7	0 19.89	+11 21.4	2.550	3.398	10.0	20.3

195467 2002 GT_{114} 10 3.6 324.°99 1.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 54.36	− 3 50.5	4.338	5.188	6.6	19.4
9 8	0 50.81	− 4 14.7	4.261	5.186	4.9	19.2
9 18	0 46.45	− 4 40.3	4.211	5.184	3.1	19.1
9 28	0 41.58	− 5 5.2	4.190	5.182	1.8	19.0
10 8	0 36.53	− 5 27.0	4.199	5.180	2.3	19.0
10 18	0 31.65	− 5 43.8	4.238	5.178	4.0	19.2
10 28	0 27.30	− 5 53.9	4.305	5.176	5.8	19.3
11 7	0 23.76	− 5 56.2	4.398	5.174	7.4	19.4

353684 2011 UZ_{302} 10 3.6 124.°77 2.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.27	+14 46.4	2.135	2.942	13.9	20.9
9 8	0 56.80	+14 21.2	2.060	2.950	11.0	20.7
9 18	0 50.56	+13 38.9	2.007	2.958	7.6	20.5
9 28	0 43.13	+12 41.6	1.979	2.966	4.1	20.3
10 8	0 35.31	+11 33.6	1.980	2.974	2.5	20.2
10 18	0 27.95	+10 21.2	2.010	2.981	5.2	20.4
10 28	0 21.83	+ 9 11.0	2.067	2.988	8.6	20.6
11 7	0 17.52	+ 8 9.0	2.150	2.995	11.7	20.9

97923 2000 QY_{96} 10 3.6 337.°92 1.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.35	+ 2 14.6	1.340	2.214	16.9	18.7
9 8	0 58.64	+ 1 56.8	1.268	2.204	12.8	18.4
9 18	0 52.22	+ 1 27.4	1.217	2.195	8.0	18.1
9 28	0 43.85	+ 0 51.6	1.189	2.187	2.9	17.8
10 8	0 34.71	+ 0 16.4	1.185	2.180	3.4	17.8
10 18	0 26.14	− 0 11.0	1.207	2.173	8.6	18.1
10 28	0 19.41	− 0 24.3	1.252	2.168	13.5	18.3
11 7	0 15.37	− 0 20.0	1.318	2.163	17.6	18.6

94161 2001 AM_{15} 10 3.6 261.°60 2.°5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.21	+14 43.8	2.419	3.220	12.6	20.2
9 8	0 55.99	+14 31.2	2.320	3.206	10.1	20.0
9 18	0 50.10	+14 3.4	2.243	3.192	7.1	19.8
9 28	0 43.00	+13 21.5	2.192	3.177	4.0	19.6
10 8	0 35.40	+12 28.7	2.170	3.162	2.6	19.5
10 18	0 28.04	+11 29.4	2.177	3.147	4.9	19.6
10 28	0 21.70	+10 29.6	2.211	3.132	8.2	19.8
11 7	0 16.98	+ 9 34.8	2.272	3.116	11.2	19.9

461171 2015 TY_{304} 10 3.6 314.°47 5.°9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.05	−11 16.0	2.057	2.927	12.0	21.0
9 8	0 56.70	−12 19.2	1.993	2.921	9.3	20.8
9 18	0 50.52	−13 20.9	1.953	2.916	6.9	20.7
9 28	0 43.13	−14 14.3	1.939	2.911	5.9	20.6
10 8	0 35.33	−14 52.8	1.953	2.906	7.2	20.7
10 18	0 27.98	−15 12.3	1.992	2.902	9.7	20.8
10 28	0 21.89	−15 10.4	2.056	2.897	12.4	21.0
11 7	0 17.63	−14 47.6	2.140	2.893	14.9	21.2

452978 2007 ED_{175} 10 3.6 82.°97 0.°7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.84	+10 25.1	2.304	3.129	12.4	21.5
9 8	0 54.78	+ 9 39.1	2.236	3.143	9.5	21.4
9 18	0 49.20	+ 8 39.7	2.192	3.156	6.2	21.2
9 28	0 42.62	+ 7 30.2	2.175	3.170	2.6	21.0
10 8	0 35.76	+ 6 16.0	2.187	3.183	1.5	20.9
10 18	0 29.33	+ 5 2.9	2.228	3.197	5.0	21.2
10 28	0 24.00	+ 3 56.8	2.297	3.210	8.3	21.4
11 7	0 20.26	+ 3 2.0	2.391	3.223	11.1	21.6

140690 2001 UO_{61} 10 3.6 331.°11 0.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.10	+ 7 45.3	1.841	2.685	14.4	20.7
9 8	0 57.00	+ 7 26.3	1.763	2.680	11.0	20.5
9 18	0 50.86	+ 6 53.7	1.707	2.676	7.1	20.2
9 28	0 43.30	+ 6 10.6	1.676	2.672	2.8	19.9
10 8	0 35.20	+ 5 22.2	1.672	2.669	1.8	19.9
10 18	0 27.53	+ 4 34.4	1.696	2.665	6.2	20.2
10 28	0 21.22	+ 3 53.5	1.746	2.662	10.2	20.4
11 7	0 16.94	+ 3 24.2	1.819	2.659	13.7	20.6

234689 2002 GC_{110} 10 3.6 133.°38 1.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.70	+ 3 2.9	1.932	2.784	13.5	20.5
9 8	0 57.95	+ 2 9.6	1.867	2.792	10.0	20.3
9 18	0 51.31	+ 1 6.1	1.825	2.800	6.2	20.1
9 28	0 43.42	− 0 2.1	1.810	2.808	2.3	19.9
10 8	0 35.15	− 1 8.5	1.824	2.816	3.0	20.0
10 18	0 27.41	− 2 6.5	1.865	2.823	6.9	20.2
10 28	0 21.03	− 2 50.9	1.934	2.830	10.5	20.5
11 7	0 16.59	− 3 18.6	2.025	2.836	13.6	20.7

423167 2004 FY_{46} 10 3.6 136.°53 1.°4/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.44	+11 54.9	2.146	2.957	13.7	21.9
9 8	0 59.82	+11 21.0	2.077	2.973	10.6	21.7
9 18	0 52.39	+10 32.0	2.031	2.989	7.0	21.5
9 28	0 43.79	+ 9 30.6	2.012	3.004	3.2	21.3
10 8	0 34.87	+ 8 22.0	2.023	3.019	1.8	21.3
10 18	0 26.48	+ 7 12.3	2.063	3.032	5.3	21.5
10 28	0 19.43	+ 6 7.8	2.132	3.044	8.8	21.8
11 7	0 14.27	+ 5 13.8	2.226	3.056	11.9	22.0

452534 2004 TG_{175} 10 3.6 20.°95 3.°6/ 7.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.85	+20 3.1	1.230	2.066	20.5	19.5
9 8	0 51.37	+18 50.9	1.185	2.088	16.3	19.3
9 18	0 47.47	+17 4.7	1.157	2.112	11.5	19.1
9 28	0 42.05	+14 50.4	1.152	2.137	6.6	19.0
10 8	0 36.27	+12 20.3	1.171	2.165	3.6	18.9
10 18	0 31.30	+ 9 49.1	1.216	2.193	6.7	19.1
10 28	0 28.10	+ 7 31.5	1.286	2.224	11.1	19.5
11 7	0 27.21	+ 5 37.6	1.379	2.255	15.1	19.8

192393 1996 TT_{22} 10 3.6 21.°96 0.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.00	+ 5 45.8	4.336	5.162	7.0	20.8
9 8	0 50.56	+ 5 29.2	4.253	5.163	5.3	20.6
9 18	0 46.32	+ 5 7.5	4.196	5.164	3.3	20.5
9 28	0 41.56	+ 4 42.4	4.168	5.165	1.2	20.3
10 8	0 36.61	+ 4 15.9	4.169	5.166	0.9	20.3
10 18	0 31.83	+ 3 50.1	4.201	5.167	3.0	20.5
10 28	0 27.58	+ 3 27.3	4.263	5.168	5.0	20.6
11 7	0 24.13	+ 3 9.3	4.351	5.169	6.8	20.8

448341 2009 FO_{46} 10 3.6 306.°39 11.°6/30.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 29.13	−19 37.2	0.964	1.828	22.7	19.9
9 8	1 20.18	−19 32.8	0.902	1.820	18.6	19.6
9 18	1 6.40	−19 7.3	0.858	1.813	14.5	19.4
9 28	0 49.12	−18 7.1	0.835	1.805	11.7	19.2
10 8	0 30.74	−16 24.8	0.836	1.798	12.6	19.2
10 18	0 13.93	−14 3.2	0.860	1.791	16.4	19.4
10 28	0 0.90	−11 13.1	0.907	1.785	21.1	19.7
11 7	23 52.66	− 8 7.7	0.972	1.779	25.3	19.9

330590 2008 CT_{156} 10 3.6 243.°88 2.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.21	+ 1 11.9	1.602	2.465	15.2	21.3
9 8	0 59.67	+ 0 17.6	1.524	2.455	11.4	21.1
9 18	0 52.71	− 0 48.3	1.468	2.445	7.1	20.8
9 28	0 44.03	− 1 59.3	1.438	2.435	3.1	20.5
10 8	0 34.65	− 3 7.2	1.435	2.424	4.2	20.6
10 18	0 25.75	− 4 3.9	1.458	2.413	8.7	20.8
10 28	0 18.45	− 4 42.8	1.506	2.402	13.0	21.1
11 7	0 13.54	− 5 0.6	1.576	2.390	16.7	21.3

245379 2005 GJ_{93} 10 3.6 58.°80 8.°9/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.13	−18 3.2	1.662	2.531	14.4	19.7
9 8	1 0.63	−19 13.9	1.631	2.549	11.7	19.6
9 18	0 52.96	−20 14.3	1.622	2.567	9.6	19.5
9 28	0 43.99	−20 55.8	1.637	2.586	9.0	19.5
10 8	0 34.82	−21 12.0	1.677	2.604	10.2	19.7
10 18	0 26.52	−21 0.8	1.741	2.623	12.4	19.8
10 28	0 20.00	−20 23.0	1.827	2.642	14.9	20.0
11 7	0 15.79	−19 22.6	1.932	2.661	17.0	20.3

9629 Servet 10 3.6 305.°24 0.°7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.16	+ 8 10.7	1.803	2.644	14.7	17.7
9 8	0 57.87	+ 7 54.3	1.723	2.639	11.3	17.5
9 18	0 51.46	+ 7 23.9	1.665	2.634	7.3	17.2
9 28	0 43.55	+ 6 42.2	1.633	2.629	3.0	17.0
10 8	0 35.07	+ 5 54.3	1.628	2.625	1.9	16.9
10 18	0 27.02	+ 5 6.4	1.650	2.620	6.3	17.2
10 28	0 20.38	+ 4 24.9	1.698	2.616	10.4	17.4
11 7	0 15.85	+ 3 54.8	1.770	2.611	14.0	17.6

229642 2006 FU_{20} 10 3.6 58.°41 0.°6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.45	+ 4 8.3	2.279	3.124	11.9	21.0
9 8	0 56.04	+ 3 43.4	2.209	3.129	8.9	20.8
9 18	0 50.03	+ 3 10.1	2.162	3.135	5.6	20.6
9 28	0 42.96	+ 2 31.6	2.143	3.141	2.0	20.4
10 8	0 35.56	+ 1 52.5	2.152	3.147	2.0	20.4
10 18	0 28.55	+ 1 17.2	2.190	3.153	5.5	20.6
10 28	0 22.66	+ 0 49.9	2.255	3.159	8.8	20.9
11 7	0 18.41	+ 0 33.4	2.344	3.165	11.7	21.1

66038 1998 QM_{74} 10 3.6 19.°23 3.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.41	+17 29.1	1.948	2.752	15.2	19.1
9 8	0 55.67	+17 26.1	1.872	2.755	12.3	18.9
9 18	0 49.99	+17 3.6	1.817	2.759	8.9	18.7
9 28	0 42.99	+16 22.4	1.785	2.764	5.6	18.5
10 8	0 35.52	+15 26.2	1.781	2.769	3.8	18.4
10 18	0 28.50	+14 20.8	1.803	2.774	5.7	18.6
10 28	0 22.79	+13 13.4	1.853	2.780	9.0	18.8
11 7	0 19.02	+12 11.2	1.926	2.786	12.2	19.0

126722 2002 CG_{254} 10 3.6 351.°22 6.°4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.54	−10 12.6	1.744	2.624	13.3	19.3
9 8	0 55.85	−11 30.2	1.686	2.620	10.3	19.1
9 18	0 50.13	−12 47.6	1.650	2.617	7.5	18.9
9 28	0 43.04	−13 56.0	1.640	2.615	6.5	18.9
10 8	0 35.50	−14 47.6	1.656	2.613	8.0	18.9
10 18	0 28.48	−15 16.8	1.697	2.611	10.8	19.1
10 28	0 22.90	−15 21.0	1.761	2.610	13.8	19.3
11 7	0 19.36	−15 1.0	1.844	2.609	16.5	19.5

222217 2000 EC_{168} 10 3.6 285.°75 0.°6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.03	+ 2 53.9	2.380	3.216	11.7	20.3
9 8	0 59.71	+ 2 51.2	2.273	3.189	8.9	20.1
9 18	0 52.52	+ 2 41.8	2.190	3.160	5.7	19.9
9 28	0 43.96	+ 2 28.0	2.134	3.132	2.0	19.6
10 8	0 34.73	+ 2 13.2	2.108	3.103	2.0	19.5
10 18	0 25.67	+ 2 0.8	2.112	3.074	5.8	19.7
10 28	0 17.63	+ 1 54.7	2.144	3.045	9.4	19.9
11 7	0 11.29	+ 1 57.7	2.200	3.016	12.5	20.1

222224 2000 FA_{43} 10 3.6 140.°38 1.°6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.64	+ 2 31.0	1.825	2.676	14.2	20.7
9 8	1 0.26	+ 1 49.6	1.761	2.685	10.6	20.5
9 18	0 52.82	+ 0 58.6	1.720	2.694	6.5	20.3
9 28	0 44.00	+ 0 3.0	1.705	2.703	2.5	20.1
10 8	0 34.78	− 0 50.6	1.718	2.711	3.1	20.2
10 18	0 26.15	− 1 36.2	1.760	2.718	7.1	20.4
10 28	0 19.02	− 2 8.6	1.828	2.725	11.0	20.7
11 7	0 14.03	− 2 25.0	1.918	2.731	14.2	20.9

95301 2002 CS_{96} 10 3.6 110.°11 1.°9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.53	+11 7.5	2.248	3.063	13.0	19.8
9 8	0 58.45	+11 12.2	2.171	3.069	10.2	19.6
9 18	0 51.61	+11 4.4	2.117	3.074	6.9	19.4
9 28	0 43.57	+10 45.7	2.089	3.079	3.5	19.2
10 8	0 35.12	+10 18.8	2.090	3.085	2.1	19.1
10 18	0 27.07	+ 9 48.0	2.120	3.090	5.1	19.3
10 28	0 20.22	+ 9 17.9	2.177	3.095	8.4	19.5
11 7	0 15.14	+ 8 53.1	2.260	3.100	11.4	19.7

173443 2000 KE_{81} 10 3.6 64.°99 14.°3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.43	−16 27.6	0.997	1.902	18.7	18.6
9 8	0 57.73	−20 37.7	0.973	1.909	15.7	18.5
9 18	0 51.81	−24 34.9	0.972	1.917	14.3	18.5
9 28	0 43.73	−27 54.0	0.993	1.925	15.3	18.6
10 8	0 35.06	−30 17.3	1.036	1.933	17.9	18.7
10 18	0 27.42	−31 38.4	1.097	1.941	20.9	19.0
10 28	0 22.19	−32 0.6	1.173	1.949	23.7	19.2
11 7	0 20.08	−31 33.4	1.261	1.958	25.9	19.4

473080 2015 HP_{120} 10 3.6 306.°75 0.°8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.24	+10 24.6	4.146	4.956	7.6	20.7
9 8	0 50.08	+ 9 58.8	4.054	4.951	5.9	20.6
9 18	0 46.08	+ 9 25.6	3.988	4.947	3.9	20.4
9 28	0 41.51	+ 8 46.4	3.949	4.942	1.8	20.3
10 8	0 36.74	+ 8 3.7	3.941	4.937	1.0	20.2
10 18	0 32.13	+ 7 19.9	3.963	4.932	3.0	20.4
10 28	0 28.06	+ 6 37.9	4.015	4.928	5.0	20.5
11 7	0 24.83	+ 6 0.2	4.094	4.923	6.9	20.6

261729 2006 AJ_{49} 10 3.6 25.°14 4.°0/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.05	− 4 27.5	1.693	2.568	13.9	19.6
9 8	0 56.92	− 5 12.7	1.640	2.577	10.4	19.4
9 18	0 50.75	− 6 1.3	1.610	2.586	6.7	19.2
9 28	0 43.26	− 6 46.6	1.605	2.596	4.1	19.1
10 8	0 35.41	− 7 22.1	1.626	2.607	5.4	19.2
10 18	0 28.19	− 7 42.6	1.674	2.618	8.7	19.4
10 28	0 22.47	− 7 45.2	1.746	2.630	12.2	19.6
11 7	0 18.83	− 7 29.2	1.839	2.642	15.1	19.9

495174 2012 LV_{21} 10 3.6 51.°34 13.°6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.01	+38 42.1	1.033	1.775	29.3	21.1
9 8	0 58.12	+38 53.5	0.969	1.780	26.3	20.9
9 18	0 52.47	+38 9.7	0.916	1.786	22.6	20.7
9 28	0 44.08	+36 21.3	0.876	1.792	18.6	20.4
10 8	0 34.76	+33 27.9	0.854	1.799	15.1	20.3
10 18	0 26.52	+29 42.0	0.853	1.805	13.6	20.2
10 28	0 21.11	+25 28.7	0.876	1.812	15.1	20.3
11 7	0 19.40	+21 18.0	0.920	1.819	18.5	20.6

270574 2002 JL_{77} 10 3.6 136.°92 1.°3/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.64	+ 2 40.2	1.514	2.369	16.3	20.6
9 8	1 2.97	+ 2 21.6	1.449	2.375	12.3	20.3
9 18	0 54.74	+ 1 52.5	1.406	2.380	7.7	20.1
9 28	0 44.77	+ 1 17.6	1.387	2.386	2.8	19.8
10 8	0 34.23	+ 0 43.3	1.396	2.391	3.0	19.8
10 18	0 24.40	+ 0 15.8	1.432	2.395	7.9	20.1
10 28	0 16.43	+ 0 0.4	1.493	2.400	12.3	20.4
11 7	0 11.07	+ 0 0.1	1.576	2.404	16.1	20.7

265635 2005 SH_{289} 10 3.6 56.°79 2.°0/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.78	+ 2 25.4	1.320	2.191	17.3	20.5
9 8	1 0.10	+ 1 41.3	1.275	2.209	12.9	20.3
9 18	0 52.88	+ 0 45.5	1.250	2.228	7.9	20.1
9 28	0 44.04	− 0 14.9	1.249	2.247	3.0	19.8
10 8	0 34.84	− 1 11.1	1.274	2.267	3.8	20.0
10 18	0 26.56	− 1 55.6	1.324	2.286	8.5	20.3
10 28	0 20.25	− 2 22.6	1.398	2.306	12.9	20.6
11 7	0 16.56	− 2 29.9	1.493	2.326	16.6	20.9

451643 2012 HA_{83} 10 3.6 217.°56 8.°7/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.16	−28 50.4	2.809	3.631	10.5	21.3
9 8	0 59.40	−29 53.7	2.760	3.624	9.4	21.2
9 18	0 52.06	−30 45.0	2.735	3.617	8.8	21.2
9 28	0 43.71	−31 18.4	2.734	3.610	8.9	21.2
10 8	0 35.06	−31 29.8	2.759	3.603	9.8	21.2
10 18	0 26.88	−31 17.5	2.808	3.595	11.1	21.3
10 28	0 19.84	−30 41.9	2.879	3.586	12.5	21.4
11 7	0 14.47	−29 45.7	2.968	3.578	13.8	21.5

198359 2004 VS_{12} 10 3.6 347.°77 4.°1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.13	+13 40.1	1.350	2.191	18.7	18.7
9 8	0 58.61	+14 8.0	1.275	2.184	15.0	18.5
9 18	0 52.32	+14 15.6	1.219	2.178	10.7	18.2
9 28	0 43.98	+14 2.4	1.186	2.172	6.2	17.9
10 8	0 34.79	+13 31.5	1.176	2.168	4.2	17.8
10 18	0 26.12	+12 49.4	1.191	2.165	7.5	18.0
10 28	0 19.32	+12 4.7	1.229	2.162	12.0	18.2
11 7	0 15.29	+11 26.0	1.289	2.161	16.3	18.5

469443 2002 KT_3 10 3.6 68.°37 16.°6/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.82	−32 14.4	1.302	2.153	18.7	20.5
9 8	1 3.29	−34 49.8	1.307	2.179	17.2	20.5
9 18	0 54.82	−36 52.3	1.331	2.206	16.6	20.5
9 28	0 44.67	−38 9.8	1.375	2.233	17.0	20.6
10 8	0 34.45	−38 37.5	1.438	2.260	18.1	20.8
10 18	0 25.62	−38 17.1	1.517	2.286	19.6	21.0
10 28	0 19.27	−37 15.4	1.612	2.312	21.0	21.2
11 7	0 15.90	−35 41.6	1.720	2.338	22.3	21.4

517471 2014 PW_{39} 10 3.6 40.°04 3.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.30	− 1 58.9	2.126	2.991	11.9	21.3
9 8	0 54.54	− 3 7.2	2.063	2.996	8.8	21.2
9 18	0 49.14	− 4 21.3	2.025	3.001	5.6	21.0
9 28	0 42.67	− 5 35.1	2.014	3.006	3.2	20.8
10 8	0 35.87	− 6 42.1	2.031	3.012	4.4	20.9
10 18	0 29.50	− 7 36.6	2.076	3.018	7.5	21.1
10 28	0 24.27	− 8 14.4	2.147	3.023	10.5	21.3
11 7	0 20.71	− 8 33.9	2.240	3.029	13.2	21.5

310534 2001 BC_{35} 10 3.6 177.°77 6.°2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.15	−22 16.9	3.503	4.343	8.2	21.9
9 8	0 55.38	−23 42.7	3.456	4.345	7.0	21.8
9 18	0 49.45	−25 1.9	3.435	4.347	6.3	21.8
9 28	0 42.75	−26 9.5	3.443	4.348	6.4	21.8
10 8	0 35.81	−27 1.7	3.478	4.348	7.2	21.8
10 18	0 29.13	−27 35.8	3.539	4.348	8.5	21.9
10 28	0 23.25	−27 51.2	3.624	4.348	9.8	22.0
11 7	0 18.55	−27 48.5	3.729	4.346	11.1	22.1

331355 2012 CL_{47} 10 3.6 320.°89 0.°6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.35	+ 3 14.7	2.093	2.938	12.8	20.7
9 8	0 58.46	+ 3 8.1	2.014	2.934	9.7	20.5
9 18	0 51.70	+ 2 53.6	1.958	2.930	6.1	20.3
9 28	0 43.64	+ 2 34.2	1.928	2.926	2.2	20.0
10 8	0 35.11	+ 2 13.8	1.927	2.922	2.1	20.0
10 18	0 26.97	+ 1 56.7	1.954	2.919	6.0	20.3
10 28	0 20.06	+ 1 46.8	2.009	2.915	9.6	20.5
11 7	0 15.02	+ 1 46.8	2.087	2.912	12.8	20.7

402470 2006 BD_{198} 10 3.6 354.°50 4.°6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.72	+18 49.0	2.100	2.887	14.8	20.5
9 8	0 57.39	+19 11.1	2.016	2.886	12.1	20.4
9 18	0 51.10	+19 15.4	1.953	2.885	9.1	20.2
9 28	0 43.45	+19 1.4	1.914	2.884	6.2	20.0
10 8	0 35.25	+18 31.1	1.902	2.883	4.6	19.9
10 18	0 27.40	+17 48.5	1.917	2.882	6.0	20.0
10 28	0 20.82	+16 59.5	1.959	2.882	8.9	20.2
11 7	0 16.15	+16 10.9	2.026	2.882	11.8	20.4

4787 Shul′zhenko 10 3.6 8.°39 1.°9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.25	+ 8 25.1	1.138	2.003	19.9	16.5
9 8	1 1.22	+ 8 43.8	1.077	2.004	15.5	16.2
9 18	0 54.05	+ 8 44.5	1.033	2.005	10.2	15.9
9 28	0 44.62	+ 8 29.1	1.011	2.007	4.6	15.6
10 8	0 34.37	+ 8 2.9	1.013	2.009	2.7	15.5
10 18	0 24.90	+ 7 33.1	1.038	2.013	8.2	15.9
10 28	0 17.69	+ 7 8.2	1.086	2.017	13.5	16.2
11 7	0 13.63	+ 6 54.9	1.155	2.022	18.0	16.5

12384 Luigimartella 10 3.6 53.°83 4.°2/ 7.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.56	+17 10.6	2.017	2.812	15.0	17.5
9 8	0 58.73	+17 32.1	1.943	2.820	12.2	17.3
9 18	0 51.92	+17 36.2	1.890	2.829	8.9	17.1
9 28	0 43.74	+17 22.8	1.862	2.837	5.8	17.0
10 8	0 35.07	+16 54.3	1.861	2.846	4.2	16.9
10 18	0 26.87	+16 15.0	1.887	2.854	5.9	17.0
10 28	0 20.03	+15 31.1	1.941	2.863	9.0	17.2
11 7	0 15.19	+14 48.9	2.019	2.872	12.0	17.4

295527 2008 RV_{119} 10 3.6 313.°89 0.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 52.87	+ 6 15.2	4.055	4.884	7.4	20.2
9 8	0 49.83	+ 5 18.9	3.965	4.878	5.6	20.1
9 18	0 45.93	+ 4 15.7	3.902	4.872	3.5	19.9
9 28	0 41.48	+ 3 8.1	3.868	4.866	1.2	19.7
10 8	0 36.83	+ 1 59.4	3.865	4.860	1.2	19.7
10 18	0 32.35	+ 0 52.7	3.893	4.854	3.5	19.9
10 28	0 28.40	− 0 8.6	3.951	4.848	5.6	20.1
11 7	0 25.30	− 1 1.9	4.036	4.842	7.5	20.2

44809 1999 TN_{221} 10 3.6 314.°12 3.°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.43	− 0 23.5	1.287	2.170	16.9	18.6
9 8	0 58.09	− 1 23.7	1.216	2.157	12.7	18.3
9 18	0 52.00	− 2 36.4	1.165	2.145	8.0	18.1
9 28	0 43.88	− 3 53.0	1.137	2.133	4.1	17.8
10 8	0 34.95	− 5 3.2	1.134	2.121	5.6	17.9
10 18	0 26.56	− 5 57.1	1.155	2.110	10.4	18.1
10 28	0 20.04	− 6 27.4	1.198	2.099	15.2	18.3
11 7	0 16.26	− 6 31.5	1.261	2.089	19.3	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
395203 2010 GQ_{143}			10 3.6 158.°34	0.°4/ 4.0 18		
	h m	° ′			°	m
8 29	1 2.68	+ 8 13.2	2.079	2.911	13.4	22.1
9 8	0 57.92	+ 7 39.9	2.005	2.916	10.2	21.9
9 18	0 51.33	+ 6 53.6	1.953	2.920	6.5	21.7
9 28	0 43.51	+ 5 57.6	1.927	2.924	2.5	21.4
10 8	0 35.27	+ 4 57.1	1.931	2.927	1.7	21.4
10 18	0 27.48	+ 3 58.1	1.963	2.930	5.7	21.7
10 28	0 20.95	+ 3 6.5	2.023	2.933	9.4	21.9
11 7	0 16.27	+ 2 26.8	2.107	2.935	12.5	22.1
397978 2009 AV_{49}			10 3.6 297.°64	3.°1/30.9 18		
8 29	1 2.83	− 1 32.5	1.716	2.583	14.1	21.3
9 8	0 58.45	− 2 15.0	1.642	2.575	10.6	21.1
9 18	0 51.88	− 3 4.7	1.591	2.568	6.7	20.9
9 28	0 43.76	− 3 55.6	1.565	2.560	3.4	20.6
10 8	0 35.06	− 4 40.6	1.566	2.552	4.5	20.7
10 18	0 26.84	− 5 13.6	1.594	2.545	8.4	20.9
10 28	0 20.10	− 5 29.8	1.646	2.538	12.3	21.1
11 7	0 15.54	− 5 27.4	1.720	2.531	15.7	21.4
397541 2007 TW_{288}			10 3.6 329.°50	7.°0/26.5 17		
8 29	0 54.28	− 5 20.7	1.292	2.192	15.7	20.0
9 8	0 52.73	− 7 21.4	1.217	2.167	11.9	19.7
9 18	0 48.65	− 9 34.2	1.164	2.142	8.4	19.5
9 28	0 42.68	−11 46.4	1.134	2.118	7.0	19.3
10 8	0 35.87	−13 43.1	1.129	2.095	9.4	19.4
10 18	0 29.47	−15 11.5	1.146	2.074	13.6	19.6
10 28	0 24.72	−16 3.8	1.185	2.054	17.8	19.8
11 7	0 22.51	−16 18.1	1.240	2.035	21.4	20.0
116946 2004 GT_{45}			10 3.6 6.°48	0.°4/ 3.3 18		
8 29	0 58.44	+ 7 44.4	1.215	2.088	18.4	19.8
9 8	0 55.80	+ 6 51.2	1.153	2.088	14.0	19.5
9 18	0 50.49	+ 5 36.5	1.111	2.088	8.8	19.2
9 28	0 43.30	+ 4 6.9	1.092	2.090	3.1	18.9
10 8	0 35.46	+ 2 33.0	1.096	2.093	2.8	18.9
10 18	0 28.32	+ 1 6.3	1.126	2.096	8.4	19.2
10 28	0 23.08	− 0 2.8	1.178	2.100	13.5	19.5
11 7	0 20.52	− 0 48.3	1.251	2.105	17.8	19.8
131989 2002 CF_{87}			10 3.6 276.°39	1.°2/ 4.6 18		
8 29	1 3.71	+ 9 3.5	1.685	2.525	15.6	20.7
9 8	0 59.23	+ 8 52.1	1.606	2.520	12.1	20.5
9 18	0 52.44	+ 8 25.3	1.548	2.515	7.9	20.2
9 28	0 43.99	+ 7 45.5	1.514	2.509	3.4	19.9
10 8	0 34.90	+ 6 57.8	1.507	2.504	2.0	19.8
10 18	0 26.27	+ 6 8.7	1.528	2.499	6.5	20.1
10 28	0 19.17	+ 5 25.2	1.574	2.494	10.9	20.4
11 7	0 14.36	+ 4 53.1	1.644	2.489	14.7	20.6
481648 2007 VZ_{154}			10 3.6 288.°25	2.°8/ 6.2 16		
8 29	1 2.07	+13 36.0	1.877	2.696	15.1	22.3
9 8	0 57.98	+13 33.0	1.778	2.675	12.1	22.0
9 18	0 51.70	+13 12.4	1.700	2.655	8.4	21.8
9 28	0 43.76	+12 34.9	1.646	2.634	4.6	21.5
10 8	0 35.04	+11 43.9	1.619	2.612	2.9	21.3
10 18	0 26.58	+10 44.9	1.619	2.591	6.1	21.5
10 28	0 19.41	+ 9 45.5	1.646	2.570	10.2	21.7
11 7	0 14.35	+ 8 52.9	1.697	2.549	14.0	21.9
292649 2006 UG_{45}			10 3.6 191.°59	3.°1/ 7.5 18		
8 29	0 59.97	+17 59.3	2.319	3.107	13.5	21.3
9 8	0 55.84	+17 28.3	2.231	3.106	10.9	21.1
9 18	0 50.01	+16 38.5	2.165	3.105	7.8	20.9
9 28	0 43.05	+15 31.5	2.125	3.104	4.7	20.7
10 8	0 35.66	+14 11.3	2.113	3.102	3.1	20.6
10 18	0 28.63	+12 43.7	2.130	3.101	5.0	20.7
10 28	0 22.72	+11 16.1	2.176	3.098	8.1	20.9
11 7	0 18.49	+ 9 55.0	2.248	3.096	11.2	21.1
92239 2000 AA_{139}			10 3.6 315.°62	6.°4/27.1 18		
8 29	1 2.10	−12 47.6	2.012	2.881	12.3	18.4
9 8	0 57.58	−13 45.8	1.947	2.873	9.6	18.2
9 18	0 51.17	−14 41.2	1.905	2.865	7.3	18.0
9 28	0 43.48	−15 26.8	1.890	2.858	6.4	18.0
10 8	0 35.34	−15 56.2	1.901	2.850	7.7	18.0
10 18	0 27.67	−16 5.3	1.938	2.843	10.2	18.2
10 28	0 21.30	−15 52.3	1.998	2.836	12.9	18.3
11 7	0 16.85	−15 18.2	2.080	2.830	15.3	18.5
189217 2004 CR_{78}			10 3.6 260.°36	1.°3/ 2.5 18		
8 29	1 3.87	+ 4 4.7	1.634	2.490	15.3	21.5
9 8	0 59.49	+ 3 20.4	1.548	2.475	11.6	21.2
9 18	0 52.70	+ 2 22.1	1.484	2.460	7.3	20.9
9 28	0 44.13	+ 1 14.7	1.446	2.444	2.6	20.6
10 8	0 34.79	+ 0 5.8	1.434	2.428	3.1	20.6
10 18	0 25.84	− 0 56.5	1.449	2.411	7.9	20.9
10 28	0 18.42	− 1 44.7	1.489	2.394	12.5	21.1
11 7	0 13.36	− 2 14.1	1.552	2.377	16.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
111505 2001 YK_{73}			10 3.6 316.°21	3.°4/30.3 18		
	h m	° ′			°	m
8 29	1 0.91	− 2 55.8	1.904	2.772	12.9	19.8
9 8	0 56.79	− 3 44.7	1.832	2.765	9.7	19.6
9 18	0 50.73	− 4 39.1	1.782	2.758	6.2	19.3
9 28	0 43.34	− 5 33.0	1.759	2.751	3.5	19.2
10 8	0 35.45	− 6 20.0	1.762	2.745	4.7	19.2
10 18	0 27.99	− 6 54.3	1.793	2.739	8.1	19.4
10 28	0 21.84	− 7 11.9	1.850	2.733	11.6	19.6
11 7	0 17.62	− 7 11.2	1.928	2.727	14.7	19.8
369917 2013 CH_{196}			10 3.6 274.°13	1.°8/30.1 16		
8 29	0 53.79	− 3 59.1	4.372	5.223	6.5	21.6
9 8	0 50.44	− 4 31.3	4.293	5.218	4.8	21.5
9 18	0 46.30	− 5 5.1	4.240	5.212	3.1	21.3
9 28	0 41.63	− 5 38.2	4.216	5.207	1.8	21.2
10 8	0 36.79	− 6 8.1	4.223	5.202	2.4	21.3
10 18	0 32.10	− 6 32.7	4.259	5.196	4.1	21.4
10 28	0 27.93	− 6 50.1	4.323	5.191	5.9	21.5
11 7	0 24.54	− 6 59.1	4.413	5.186	7.4	21.6
446366 2014 HR_{34}			10 3.6 232.°38	3.°3/30.4 18		
8 29	1 2.26	− 2 22.4	1.941	2.803	12.9	21.6
9 8	0 57.75	− 3 16.2	1.869	2.800	9.7	21.4
9 18	0 51.31	− 4 16.1	1.820	2.796	6.1	21.2
9 28	0 43.54	− 5 16.0	1.798	2.791	3.4	21.0
10 8	0 35.31	− 6 9.3	1.804	2.787	4.6	21.1
10 18	0 27.52	− 6 50.1	1.838	2.783	8.0	21.3
10 28	0 21.04	− 7 14.1	1.897	2.778	11.5	21.5
11 7	0 16.50	− 7 19.6	1.979	2.773	14.5	21.7
273905 2007 HU_{51}			10 3.6 82.°38	1.°8/ 2.0 16		
8 29	1 4.54	+ 2 31.7	1.640	2.499	15.1	21.1
9 8	0 59.55	+ 1 44.2	1.589	2.517	11.2	20.9
9 18	0 52.41	+ 0 46.5	1.559	2.535	6.9	20.7
9 28	0 43.91	− 0 15.3	1.555	2.553	2.6	20.5
10 8	0 35.08	− 1 13.8	1.579	2.571	3.3	20.6
10 18	0 26.98	− 2 2.4	1.630	2.589	7.5	20.9
10 28	0 20.52	− 2 35.9	1.706	2.606	11.4	21.1
11 7	0 16.29	− 2 51.7	1.805	2.624	14.7	21.4
324777 2007 GZ_{51}			10 3.6 156.°56	4.°1/29.2 18		
8 29	1 2.64	− 8 4.1	2.363	3.223	11.0	21.0
9 8	0 57.65	− 8 44.3	2.298	3.224	8.3	20.8
9 18	0 51.06	− 9 24.6	2.257	3.226	5.7	20.7
9 28	0 43.42	− 9 59.9	2.244	3.227	4.2	20.6
10 8	0 35.46	−10 25.5	2.259	3.228	5.2	20.6
10 18	0 27.91	−10 37.8	2.302	3.229	7.7	20.8
10 28	0 21.50	−10 34.7	2.372	3.230	10.4	21.0
11 7	0 16.74	−10 16.0	2.464	3.231	12.8	21.2
487261 2014 PU_{35}			10 3.6 320.°72	3.°8/29.3 18		
8 29	0 59.21	− 4 31.2	2.183	3.049	11.6	21.5
9 8	0 55.25	− 5 35.3	2.115	3.047	8.6	21.3
9 18	0 49.64	− 6 43.4	2.071	3.045	5.7	21.2
9 28	0 42.93	− 7 49.4	2.054	3.043	3.8	21.0
10 8	0 35.83	− 8 47.0	2.066	3.041	5.0	21.1
10 18	0 29.12	− 9 31.2	2.105	3.039	7.9	21.3
10 28	0 23.54	− 9 58.1	2.170	3.037	10.8	21.5
11 7	0 19.62	−10 6.6	2.256	3.035	13.4	21.7
385298 2001 UP_{174}			10 3.6 332.°39	1.°6/ 2.5 18		
8 29	1 0.86	+ 2 43.2	1.246	2.125	17.5	21.0
9 8	0 57.80	+ 2 19.7	1.171	2.110	13.3	20.7
9 18	0 51.91	+ 1 42.7	1.117	2.096	8.4	20.4
9 28	0 43.91	+ 0 57.4	1.084	2.083	3.1	20.1
10 8	0 35.02	+ 0 12.1	1.076	2.071	3.6	20.1
10 18	0 26.65	− 0 24.9	1.092	2.060	9.1	20.4
10 28	0 20.17	− 0 46.1	1.130	2.049	14.3	20.6
11 7	0 16.51	− 0 47.3	1.188	2.040	18.7	20.9
317720 2003 QP_{41}			10 3.6 31.°37	5.°1/26.9 18		
8 29	0 56.54	− 3 53.7	1.866	2.743	12.7	19.1
9 8	0 53.45	− 6 15.0	1.814	2.752	9.4	18.9
9 18	0 48.57	− 8 42.5	1.788	2.762	6.4	18.8
9 28	0 42.54	−11 5.6	1.790	2.772	5.2	18.7
10 8	0 36.15	−13 13.7	1.821	2.783	6.9	18.8
10 18	0 30.26	−14 58.4	1.880	2.794	9.9	19.0
10 28	0 25.62	−16 14.8	1.963	2.805	12.9	19.3
11 7	0 22.77	−17 2.0	2.066	2.817	15.4	19.5
356906 2011 YE_{75}			10 3.6 266.°82	0.°1/ 3.4 18		
8 29	0 53.93	+ 4 53.5	4.483	5.311	6.8	21.2
9 8	0 50.54	+ 4 34.6	4.395	5.306	5.1	21.1
9 18	0 46.37	+ 4 11.2	4.332	5.301	3.2	20.9
9 28	0 41.68	+ 3 44.6	4.299	5.296	1.1	20.8
10 8	0 36.80	+ 3 17.2	4.296	5.292	1.0	20.7
10 18	0 32.08	+ 2 50.7	4.323	5.287	3.0	20.9
10 28	0 27.84	+ 2 27.6	4.380	5.282	5.0	21.0
11 7	0 24.38	+ 2 9.4	4.463	5.277	6.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
233456	2006 JS_{38}		10	3.6	262.°86	0.°8/ 4.2 18
	h m	° ′			°	m
8 29	1 8.19	+ 6 18.4	1.827	2.662	14.8	20.2
9 8	1 2.54	+ 6 32.3	1.739	2.652	11.4	19.9
9 18	0 54.53	+ 6 35.8	1.674	2.641	7.4	19.7
9 28	0 44.81	+ 6 30.7	1.634	2.630	3.0	19.4
10 8	0 34.35	+ 6 20.2	1.623	2.620	1.9	19.3
10 18	0 24.26	+ 6 8.4	1.640	2.609	6.4	19.5
10 28	0 15.66	+ 6 0.2	1.684	2.597	10.7	19.8
11 7	0 9.33	+ 5 59.8	1.751	2.586	14.4	20.0
181918	1999 TL_{74}		10	3.6	259.°16	0.°0/ 3.5 18
8 29	1 3.18	+ 7 48.5	1.534	2.384	16.4	21.0
9 8	0 59.07	+ 7 10.0	1.453	2.375	12.6	20.7
9 18	0 52.48	+ 6 13.7	1.394	2.366	8.0	20.5
9 28	0 44.07	+ 5 3.6	1.358	2.356	3.0	20.1
10 8	0 34.93	+ 3 47.2	1.350	2.346	2.3	20.1
10 18	0 26.25	+ 2 33.4	1.368	2.336	7.5	20.4
10 28	0 19.22	+ 1 31.0	1.411	2.326	12.2	20.6
11 7	0 14.64	+ 0 46.3	1.476	2.316	16.3	20.8
156045	2001 SE_{15}		10	3.6	18.°73	2.°7/ 1.2 18
8 29	0 58.39	+ 3 26.7	1.244	2.126	17.4	19.5
9 8	0 55.64	+ 2 3.2	1.189	2.130	13.0	19.3
9 18	0 50.31	+ 0 23.0	1.154	2.135	7.9	19.0
9 28	0 43.24	− 1 24.5	1.142	2.140	3.3	18.8
10 8	0 35.63	− 3 6.9	1.156	2.146	4.7	18.9
10 18	0 28.73	− 4 32.9	1.194	2.153	9.6	19.2
10 28	0 23.68	− 5 34.0	1.255	2.161	14.2	19.5
11 7	0 21.20	− 6 7.1	1.336	2.169	18.1	19.7
7539	1996 XS_{32}		10	3.6	298.°46	2.°2/ 1.6 18
8 29	1 0.47	+ 2 30.8	1.592	2.459	15.0	17.6
9 8	0 57.03	+ 1 33.4	1.503	2.437	11.4	17.3
9 18	0 51.22	+ 0 21.7	1.437	2.415	7.1	17.0
9 28	0 43.64	− 0 58.2	1.395	2.393	2.9	16.7
10 8	0 35.26	− 2 17.8	1.380	2.371	4.0	16.7
10 18	0 27.22	− 3 27.8	1.391	2.349	8.6	17.0
10 28	0 20.64	− 4 20.6	1.426	2.328	13.2	17.2
11 7	0 16.38	− 4 51.2	1.483	2.307	17.1	17.4
4799	Hirasawa		10	3.6	35.°74	0.°4/ 3.9 18
8 29	1 2.67	+ 7 38.6	1.342	2.202	17.7	17.1
9 8	0 58.72	+ 7 15.1	1.284	2.211	13.5	16.8
9 18	0 52.19	+ 6 34.4	1.246	2.220	8.6	16.6
9 28	0 43.92	+ 5 41.0	1.232	2.230	3.3	16.3
10 8	0 35.13	+ 4 42.3	1.243	2.240	2.2	16.3
10 18	0 27.08	+ 3 46.9	1.279	2.251	7.5	16.6
10 28	0 20.92	+ 3 2.5	1.340	2.262	12.2	16.9
11 7	0 17.35	+ 2 34.5	1.422	2.274	16.2	17.2
392368	2010 GJ_{141}		10	3.6	84.°05	7.°2/27.7 18
8 29	1 7.71	−14 33.6	1.791	2.655	13.8	19.9
9 8	1 1.82	−15 24.2	1.744	2.666	10.8	19.7
9 18	0 53.79	−16 8.8	1.720	2.676	8.3	19.6
9 28	0 44.43	−16 39.6	1.722	2.686	7.2	19.6
10 8	0 34.77	−16 50.9	1.749	2.696	8.4	19.6
10 18	0 25.86	−16 39.6	1.803	2.707	10.9	19.8
10 28	0 18.62	−16 5.7	1.880	2.717	13.6	20.0
11 7	0 13.62	−15 11.5	1.978	2.727	16.1	20.2
422741	2001 SS_{98}		10	3.6	347.°13	1.°3/ 4.5 17
8 29	1 1.78	+ 8 25.9	1.031	1.908	20.6	20.9
9 8	0 58.94	+ 8 24.4	0.967	1.901	16.0	20.6
9 18	0 52.83	+ 8 1.4	0.920	1.895	10.5	20.3
9 28	0 44.30	+ 7 20.2	0.894	1.891	4.4	19.9
10 8	0 34.80	+ 6 28.1	0.890	1.887	2.7	19.8
10 18	0 26.01	+ 5 35.1	0.908	1.884	8.8	20.2
10 28	0 19.53	+ 4 51.9	0.948	1.883	14.6	20.5
11 7	0 16.32	+ 4 26.2	1.007	1.882	19.5	20.8
296683	2009 SS_{227}		10	3.6	316.°58	0.°1/ 3.8 18
8 29	0 53.41	+ 6 50.7	4.077	4.902	7.5	20.9
9 8	0 50.24	+ 6 19.7	3.990	4.899	5.6	20.8
9 18	0 46.22	+ 5 42.4	3.929	4.896	3.6	20.7
9 28	0 41.65	+ 5 0.7	3.897	4.893	1.3	20.5
10 8	0 36.87	+ 4 17.3	3.894	4.891	1.0	20.4
10 18	0 32.27	+ 3 34.7	3.922	4.888	3.2	20.6
10 28	0 28.20	+ 2 55.8	3.979	4.885	5.3	20.8
11 7	0 24.98	+ 2 22.6	4.064	4.882	7.2	20.9
100988	1998 QU_{33}		10	3.6	27.°23	1.°5/ 4.9 18
8 29	1 1.32	+ 9 54.4	1.351	2.206	17.9	18.6
9 8	0 57.68	+ 9 43.5	1.296	2.217	13.8	18.4
9 18	0 51.53	+ 9 13.8	1.260	2.229	9.1	18.2
9 28	0 43.68	+ 8 28.8	1.246	2.242	4.0	17.9
10 8	0 35.34	+ 7 35.0	1.258	2.255	2.3	17.8
10 18	0 27.74	+ 6 40.5	1.296	2.270	7.0	18.2
10 28	0 21.99	+ 5 53.5	1.357	2.285	11.6	18.5
11 7	0 18.77	+ 5 20.1	1.440	2.301	15.5	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
405895	2006 GJ_{40}		10	3.6	280.°18	8.°3/29.4 18
	h m	° ′			°	m
8 29	1 20.14	−14 20.3	1.437	2.291	17.1	20.5
9 8	1 12.61	−14 45.4	1.344	2.261	13.7	20.2
9 18	1 1.50	−15 3.9	1.273	2.230	10.4	19.9
9 28	0 47.56	−15 5.5	1.226	2.199	8.3	19.7
10 8	0 32.22	−14 41.3	1.206	2.167	9.6	19.7
10 18	0 17.29	−13 46.9	1.212	2.135	13.4	19.8
10 28	0 4.55	−12 22.7	1.243	2.102	17.8	20.0
11 7	23 55.20	−10 33.7	1.293	2.068	21.8	20.2
451983	2014 NS_{56}		10	3.7	181.°23	6.°8/24.8 18
8 29	1 0.54	−16 41.7	2.407	3.269	10.8	20.6
9 8	0 56.13	−18 0.6	2.354	3.269	8.7	20.4
9 18	0 50.14	−19 14.3	2.325	3.269	7.2	20.3
9 28	0 43.12	−20 16.2	2.324	3.269	6.9	20.3
10 8	0 35.78	−21 0.5	2.349	3.269	8.1	20.4
10 18	0 28.85	−21 23.9	2.400	3.269	10.0	20.5
10 28	0 23.03	−21 25.0	2.474	3.269	12.0	20.7
11 7	0 18.82	−21 5.0	2.568	3.268	13.9	20.8
239137	2006 JB_{30}		10	3.7	274.°22	1.°5/ 2.3 18
8 29	1 1.98	+ 3 33.7	1.803	2.658	14.1	20.3
9 8	0 57.87	+ 2 46.9	1.714	2.641	10.7	20.1
9 18	0 51.61	+ 1 47.5	1.648	2.623	6.7	19.8
9 28	0 43.77	+ 0 40.3	1.608	2.606	2.5	19.5
10 8	0 35.25	− 0 27.7	1.595	2.588	3.1	19.5
10 18	0 27.06	− 1 29.1	1.610	2.571	7.5	19.7
10 28	0 20.22	− 2 17.1	1.651	2.553	11.7	19.9
11 7	0 15.48	− 2 47.4	1.714	2.535	15.3	20.1
226083	2002 LW_{21}		10	3.7	1.°98	16.°0/20.8 18
8 29	1 11.79	−38 14.1	1.591	2.403	17.7	18.0
9 8	1 5.42	−39 11.2	1.563	2.401	16.6	18.0
9 18	0 56.21	−39 39.8	1.552	2.400	16.0	17.9
9 28	0 45.31	−39 30.4	1.561	2.401	16.2	17.9
10 8	0 34.24	−38 38.6	1.589	2.403	17.0	18.0
10 18	0 24.44	−37 5.5	1.635	2.407	18.3	18.1
10 28	0 17.02	−34 56.9	1.700	2.411	19.7	18.3
11 7	0 12.54	−32 21.3	1.780	2.417	21.1	18.4
344178	2001 CD_{13}		10	3.7	254.°17	2.°8/30.8 18
8 29	1 3.54	− 1 8.8	2.093	2.948	12.4	21.6
9 8	0 58.77	− 1 59.4	2.002	2.929	9.4	21.4
9 18	0 52.04	− 2 57.6	1.935	2.909	5.9	21.1
9 28	0 43.90	− 3 58.0	1.894	2.889	3.0	20.9
10 8	0 35.15	− 4 54.4	1.883	2.868	4.1	20.9
10 18	0 26.69	− 5 40.8	1.900	2.847	7.6	21.1
10 28	0 19.41	− 6 12.1	1.943	2.825	11.2	21.3
11 7	0 14.01	− 6 25.9	2.009	2.803	14.4	21.5
272409	2005 TM_{36}		10	3.7	208.°70	0.°4/ 3.3 18
8 29	1 5.31	+ 5 12.4	1.720	2.568	15.0	21.4
9 8	1 0.36	+ 4 47.6	1.644	2.565	11.4	21.1
9 18	0 53.13	+ 4 10.4	1.590	2.562	7.2	20.9
9 28	0 44.30	+ 3 24.6	1.561	2.559	2.6	20.6
10 8	0 34.88	+ 2 36.3	1.560	2.556	2.3	20.6
10 18	0 25.95	+ 1 51.9	1.586	2.552	7.0	20.9
10 28	0 18.56	+ 1 17.4	1.639	2.548	11.2	21.1
11 7	0 13.43	+ 0 57.2	1.714	2.544	14.9	21.3
163277	2002 GO_{110}		10	3.7	101.°99	2.°5/ 1.4 18
8 29	1 5.28	− 0 25.9	1.824	2.681	13.9	20.2
9 8	0 59.98	− 1 5.6	1.767	2.695	10.3	20.0
9 18	0 52.67	− 1 51.9	1.733	2.708	6.4	19.8
9 28	0 44.06	− 2 39.3	1.726	2.722	2.9	19.7
10 8	0 35.11	− 3 21.6	1.746	2.735	3.8	19.7
10 18	0 26.79	− 3 53.4	1.794	2.747	7.5	20.0
10 28	0 19.98	− 4 10.8	1.869	2.760	11.1	20.3
11 7	0 15.25	− 4 12.2	1.965	2.772	14.2	20.5
193685	2001 EG_{16}		10	3.7	255.°30	1.°0/ 2.6 18
8 29	1 4.20	+ 3 31.5	2.159	3.000	12.6	21.2
9 8	0 59.25	+ 2 58.8	2.060	2.979	9.6	21.0
9 18	0 52.35	+ 2 16.1	1.985	2.957	6.0	20.7
9 28	0 44.03	+ 1 27.1	1.937	2.935	2.2	20.4
10 8	0 35.06	+ 0 36.7	1.918	2.912	2.5	20.4
10 18	0 26.33	− 0 9.4	1.928	2.889	6.4	20.6
10 28	0 18.74	− 0 45.8	1.966	2.864	10.2	20.8
11 7	0 13.00	− 1 8.9	2.027	2.840	13.6	21.0
211700	2003 WX_{147}		10	3.7	263.°70	1.°8/ 5.6 18
8 29	1 0.76	+13 20.0	2.086	2.902	13.9	20.9
9 8	0 56.76	+12 41.2	1.985	2.883	11.0	20.7
9 18	0 50.82	+11 43.8	1.906	2.864	7.5	20.4
9 28	0 43.48	+10 29.8	1.853	2.844	3.7	20.2
10 8	0 35.51	+ 9 4.4	1.828	2.824	2.0	20.0
10 18	0 27.80	+ 7 34.3	1.832	2.804	5.6	20.2
10 28	0 21.26	+ 6 7.7	1.865	2.783	9.5	20.4
11 7	0 16.57	+ 4 51.7	1.921	2.762	13.1	20.6

39369 2002 CE_{13} 10 3.7 110.°35 1.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.27	+12 31.3	4.480	5.271	7.4	18.5
9 8	0 52.29	+12 33.7	4.394	5.275	5.8	18.4
9 18	0 47.49	+12 29.1	4.332	5.279	4.0	18.3
9 28	0 42.13	+12 18.5	4.299	5.283	2.2	18.1
10 8	0 36.58	+12 3.3	4.295	5.287	1.4	18.1
10 18	0 31.20	+11 45.3	4.323	5.291	2.8	18.2
10 28	0 26.34	+11 26.5	4.380	5.295	4.6	18.3
11 7	0 22.31	+11 9.2	4.465	5.299	6.3	18.5

128750 2004 RX_{181} 10 3.7 349.°22 3.°2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.35	+14 40.3	1.879	2.696	15.1	19.3
9 8	0 56.54	+14 44.1	1.798	2.693	12.1	19.1
9 18	0 50.70	+14 30.2	1.738	2.689	8.6	18.8
9 28	0 43.42	+13 59.6	1.701	2.686	5.0	18.6
10 8	0 35.57	+13 15.7	1.692	2.683	3.3	18.5
10 18	0 28.12	+12 23.9	1.709	2.681	5.8	18.7
10 28	0 22.01	+11 31.0	1.753	2.680	9.5	18.9
11 7	0 17.91	+10 43.7	1.821	2.679	12.9	19.1

97748 2000 HF_{79} 10 3.7 237.°73 7.°7/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.02	−23 0.6	2.701	3.544	10.3	19.6
9 8	0 57.90	−24 5.3	2.642	3.534	8.8	19.4
9 18	0 51.24	−25 1.6	2.608	3.525	7.8	19.4
9 28	0 43.55	−25 43.2	2.601	3.515	7.8	19.4
10 8	0 35.52	−26 5.6	2.619	3.504	8.8	19.4
10 18	0 27.88	−26 6.4	2.662	3.494	10.3	19.5
10 28	0 21.31	−25 45.0	2.729	3.483	12.0	19.6
11 7	0 16.32	−25 3.2	2.815	3.472	13.6	19.7

45578 2000 CL_{77} 10 3.7 120.°68 2.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.41	+ 0 7.9	2.517	3.369	10.7	19.6
9 8	0 55.16	− 0 42.5	2.450	3.376	7.9	19.4
9 18	0 49.50	− 1 38.8	2.408	3.383	4.9	19.3
9 28	0 42.91	− 2 36.6	2.394	3.390	2.3	19.1
10 8	0 36.03	− 3 30.8	2.410	3.397	3.1	19.2
10 18	0 29.52	− 4 17.1	2.454	3.404	6.0	19.4
10 28	0 24.00	− 4 51.6	2.525	3.410	8.8	19.6
11 7	0 19.94	− 5 12.4	2.621	3.416	11.3	19.8

408624 2014 KS_{71} 10 3.7 61.°27 1.°5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.19	+ 3 8.0	1.879	2.735	13.6	20.8
9 8	0 56.81	+ 2 14.4	1.829	2.756	10.1	20.7
9 18	0 50.64	+ 1 11.4	1.802	2.778	6.2	20.5
9 28	0 43.33	+ 0 4.5	1.801	2.799	2.3	20.3
10 8	0 35.76	− 0 59.6	1.829	2.821	2.9	20.4
10 18	0 28.79	− 1 54.8	1.884	2.843	6.7	20.6
10 28	0 23.19	− 2 36.1	1.965	2.864	10.2	20.9
11 7	0 19.49	− 3 1.0	2.070	2.886	13.2	21.2

44370 1998 SK_{35} 10 3.7 43.°28 0.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.31	+ 6 26.5	1.588	2.437	16.0	18.4
9 8	1 0.39	+ 6 26.5	1.526	2.446	12.2	18.2
9 18	0 53.14	+ 6 13.7	1.485	2.455	7.8	18.0
9 28	0 44.31	+ 5 51.4	1.468	2.465	3.0	17.7
10 8	0 34.99	+ 5 24.2	1.478	2.475	2.0	17.7
10 18	0 26.32	+ 4 57.8	1.515	2.485	6.7	18.0
10 28	0 19.35	+ 4 37.9	1.578	2.496	11.0	18.3
11 7	0 14.75	+ 4 28.7	1.663	2.507	14.6	18.5

98613 2000 WX_{78} 10 3.7 86.°97 2.°2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.25	+ 0 38.4	1.387	2.249	17.1	18.8
9 8	1 4.20	+ 0 14.4	1.337	2.267	12.8	18.6
9 18	0 55.52	− 0 18.2	1.309	2.285	7.9	18.3
9 28	0 45.15	− 0 53.7	1.305	2.303	3.2	18.1
10 8	0 34.40	− 1 24.9	1.328	2.321	3.8	18.2
10 18	0 24.60	− 1 45.7	1.378	2.338	8.5	18.5
10 28	0 16.87	− 1 51.9	1.451	2.355	12.8	18.8
11 7	0 11.89	− 1 41.7	1.547	2.372	16.5	19.1

403408 2009 SM_{16} 10 3.7 5.°81 0.°9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.99	+ 8 36.0	2.019	2.854	13.6	21.0
9 8	0 56.79	+ 8 23.4	1.942	2.854	10.4	20.8
9 18	0 50.75	+ 7 58.2	1.888	2.855	6.8	20.6
9 28	0 43.43	+ 7 22.9	1.860	2.856	2.9	20.3
10 8	0 35.65	+ 6 41.8	1.860	2.857	1.7	20.2
10 18	0 28.28	+ 6 0.1	1.887	2.858	5.6	20.5
10 28	0 22.16	+ 5 23.2	1.942	2.859	9.3	20.7
11 7	0 17.90	+ 4 55.7	2.020	2.861	12.5	21.0

142061 2002 QP_{31} 10 3.7 277.°40 0.°6/ 4.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.21	+ 6 30.7	1.491	2.340	16.8	20.1
9 8	1 2.26	+ 6 33.6	1.412	2.332	13.0	19.8
9 18	0 54.61	+ 6 23.0	1.352	2.323	8.4	19.6
9 28	0 44.95	+ 6 1.4	1.317	2.314	3.3	19.2
10 8	0 34.46	+ 5 33.5	1.308	2.305	2.2	19.1
10 18	0 24.45	+ 5 5.4	1.326	2.296	7.4	19.5
10 28	0 16.21	+ 4 43.8	1.369	2.287	12.3	19.7
11 7	0 10.65	+ 4 33.8	1.433	2.279	16.4	20.0

370574 2003 UA_{246} 10 3.7 348.°23 4.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.45	− 1 56.6	0.892	1.801	20.0	19.6
9 8	0 56.75	− 2 16.0	0.833	1.787	15.2	19.3
9 18	0 51.63	− 2 44.8	0.791	1.775	9.7	19.0
9 28	0 43.95	− 3 14.5	0.768	1.765	4.7	18.7
10 8	0 35.24	− 3 34.9	0.766	1.758	6.0	18.7
10 18	0 27.28	− 3 37.4	0.784	1.752	11.7	19.0
10 28	0 21.74	− 3 16.5	0.822	1.748	17.2	19.3
11 7	0 19.63	− 2 31.3	0.876	1.747	22.0	19.6

18582 1997 XK_9 10 3.7 86.°89 14.°0/18.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.50	+39 49.5	1.114	1.835	28.7	16.3
9 8	1 0.70	+40 9.1	1.050	1.843	25.8	16.1
9 18	0 54.13	+39 36.6	0.997	1.852	22.4	15.9
9 28	0 44.83	+38 2.7	0.957	1.860	18.7	15.7
10 8	0 34.62	+35 26.4	0.935	1.869	15.5	15.6
10 18	0 25.53	+31 58.1	0.935	1.877	14.0	15.5
10 28	0 19.29	+28 0.2	0.957	1.885	15.2	15.6
11 7	0 16.77	+24 0.1	1.003	1.893	18.1	15.8

26510 2000 CZ_{34} 10 3.7 323.°16 1.°0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.62	+ 0 47.5	4.122	4.965	7.0	19.5
9 8	0 50.40	+ 0 16.4	4.039	4.961	5.2	19.3
9 18	0 46.35	− 0 18.5	3.983	4.956	3.2	19.2
9 28	0 41.75	− 0 54.8	3.955	4.952	1.3	19.0
10 8	0 36.95	− 1 30.0	3.958	4.948	1.7	19.1
10 18	0 32.32	− 2 1.7	3.990	4.944	3.7	19.2
10 28	0 28.22	− 2 27.5	4.052	4.940	5.7	19.4
11 7	0 24.95	− 2 45.9	4.139	4.936	7.5	19.5

201651 2003 TA_7 10 3.7 33.°13 9.°7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.67	−18 3.4	1.461	2.335	15.7	19.1
9 8	1 1.49	−19 9.6	1.422	2.343	12.8	19.0
9 18	0 53.80	−20 5.2	1.403	2.352	10.5	18.9
9 28	0 44.52	−20 40.3	1.408	2.361	9.8	18.8
10 8	0 34.91	−20 47.7	1.437	2.371	11.1	19.0
10 18	0 26.21	−20 24.7	1.489	2.381	13.6	19.1
10 28	0 19.48	−19 32.8	1.562	2.391	16.3	19.3
11 7	0 15.32	−18 16.6	1.654	2.402	18.8	19.6

94051 2000 YW_4 10 3.7 126.°68 3.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.71	+18 1.7	2.375	3.159	13.4	20.2
9 8	0 57.12	+18 0.0	2.295	3.165	10.8	20.0
9 18	0 50.85	+17 41.8	2.237	3.172	7.9	19.8
9 28	0 43.46	+17 7.6	2.204	3.178	5.1	19.7
10 8	0 35.66	+16 20.3	2.199	3.184	3.6	19.6
10 18	0 28.24	+15 24.3	2.222	3.190	5.1	19.7
10 28	0 21.94	+14 25.5	2.274	3.196	7.9	19.9
11 7	0 17.34	+13 29.6	2.352	3.201	10.7	20.1

450515 2006 AW_{88} 10 3.7 216.°66 4.°0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.24	+19 8.2	2.439	3.215	13.2	21.5
9 8	0 56.81	+19 12.5	2.349	3.213	10.8	21.4
9 18	0 50.70	+19 0.3	2.281	3.210	8.1	21.2
9 28	0 43.42	+18 31.5	2.238	3.208	5.4	21.0
10 8	0 35.67	+17 48.5	2.223	3.205	4.0	20.9
10 18	0 28.23	+16 55.2	2.236	3.202	5.3	21.0
10 28	0 21.86	+15 57.3	2.278	3.199	7.9	21.2
11 7	0 17.15	+15 0.7	2.345	3.196	10.6	21.3

326107 2011 CU_{39} 10 3.7 254.°32 0.°8/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.79	+ 3 58.0	2.415	3.258	11.4	21.8
9 8	0 55.61	+ 3 24.3	2.334	3.254	8.5	21.6
9 18	0 49.88	+ 2 41.9	2.277	3.249	5.3	21.4
9 28	0 43.11	+ 1 54.4	2.247	3.245	1.9	21.1
10 8	0 35.94	+ 1 6.2	2.246	3.240	2.1	21.2
10 18	0 29.08	+ 0 22.1	2.274	3.236	5.5	21.4
10 28	0 23.24	− 0 13.6	2.329	3.231	8.7	21.6
11 7	0 18.94	− 0 37.7	2.409	3.226	11.6	21.8

286684 2002 EC_{158} 10 3.7 189.°15 0.°7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.96	+ 9 23.7	4.719	5.528	6.8	21.6
9 8	0 50.56	+ 9 9.2	4.631	5.527	5.2	21.5
9 18	0 46.41	+ 8 48.9	4.568	5.527	3.4	21.3
9 28	0 41.78	+ 8 23.9	4.533	5.526	1.6	21.2
10 8	0 36.96	+ 7 56.1	4.529	5.525	0.9	21.1
10 18	0 32.29	+ 7 27.4	4.556	5.525	2.7	21.3
10 28	0 28.10	+ 7 0.0	4.612	5.524	4.5	21.4
11 7	0 24.64	+ 6 35.9	4.696	5.523	6.1	21.5

99305 2001 SL_{55} 10 3.7 40.°69 3.°4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.27	+ 0 41.2	1.334	2.213	16.6	19.0
9 8	0 57.63	− 0 32.4	1.282	2.222	12.4	18.8
9 18	0 51.51	− 1 57.4	1.252	2.231	7.7	18.6
9 28	0 43.74	− 3 24.9	1.245	2.241	3.7	18.4
10 8	0 35.50	− 4 44.3	1.264	2.252	5.1	18.5
10 18	0 28.03	− 5 46.6	1.309	2.263	9.5	18.8
10 28	0 22.38	− 6 25.7	1.376	2.274	13.8	19.1
11 7	0 19.23	− 6 39.8	1.464	2.286	17.4	19.3

400486 2008 HL_{10} 10 3.7 127.°60 0.°0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.72	+ 6 12.6	2.359	3.193	11.9	21.8
9 8	0 57.01	+ 5 44.3	2.288	3.201	9.0	21.6
9 18	0 50.72	+ 5 6.1	2.241	3.210	5.7	21.4
9 28	0 43.40	+ 4 21.3	2.220	3.218	2.1	21.2
10 8	0 35.75	+ 3 34.2	2.229	3.226	1.6	21.2
10 18	0 28.49	+ 2 49.7	2.268	3.233	5.2	21.5
10 28	0 22.35	+ 2 12.1	2.334	3.241	8.5	21.7
11 7	0 17.81	+ 1 44.8	2.425	3.248	11.3	21.9

128650 2004 RN_{44} 10 3.7 307.°12 4.°4/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.52	+19 4.4	1.990	2.783	15.2	19.8
9 8	0 56.13	+19 1.1	1.875	2.751	12.6	19.5
9 18	0 50.64	+18 36.5	1.782	2.718	9.5	19.3
9 28	0 43.52	+17 50.0	1.711	2.686	6.3	19.0
10 8	0 35.56	+16 43.7	1.667	2.653	4.4	18.8
10 18	0 27.74	+15 22.9	1.650	2.621	6.3	18.9
10 28	0 21.09	+13 55.5	1.661	2.588	9.8	19.0
11 7	0 16.44	+12 30.7	1.695	2.556	13.5	19.2

172234 2002 RS_{142} 10 3.7 356.°17 1.°8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.86	+12 3.0	1.798	2.628	15.2	20.6
9 8	0 56.95	+11 37.2	1.721	2.627	11.9	20.4
9 18	0 50.97	+10 53.5	1.665	2.627	8.0	20.2
9 28	0 43.56	+ 9 54.5	1.634	2.626	3.8	19.9
10 8	0 35.61	+ 8 45.6	1.630	2.626	2.1	19.8
10 18	0 28.12	+ 7 34.0	1.654	2.626	6.0	20.1
10 28	0 22.03	+ 6 27.5	1.704	2.626	10.0	20.3
11 7	0 18.02	+ 5 32.4	1.778	2.627	13.6	20.5

77880 2001 SE_{121} 10 3.7 142.°94 2.°5/ 6.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.31	+14 42.1	2.459	3.254	12.6	19.9
9 8	0 58.20	+14 31.5	2.382	3.264	10.0	19.7
9 18	0 51.48	+14 6.5	2.327	3.274	7.0	19.5
9 28	0 43.68	+13 28.4	2.299	3.283	4.0	19.4
10 8	0 35.53	+12 40.7	2.300	3.292	2.5	19.3
10 18	0 27.78	+11 47.6	2.331	3.300	4.7	19.4
10 28	0 21.14	+10 54.6	2.390	3.308	7.7	19.6
11 7	0 16.14	+10 6.8	2.476	3.316	10.5	19.8

376197 2011 CR_{75} 10 3.7 217.°76 2.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.20	− 0 32.0	1.774	2.631	14.2	21.3
9 8	1 0.99	− 1 11.3	1.698	2.626	10.7	21.0
9 18	0 53.53	− 1 58.5	1.645	2.620	6.7	20.8
9 28	0 44.51	− 2 47.8	1.618	2.613	3.1	20.5
10 8	0 34.89	− 3 32.7	1.618	2.607	4.1	20.6
10 18	0 25.75	− 4 7.0	1.646	2.599	8.0	20.8
10 28	0 18.11	− 4 26.0	1.700	2.592	12.0	21.0
11 7	0 12.70	− 4 27.4	1.776	2.584	15.4	21.3

369044 2008 CV_{27} 10 3.7 339.°31 2.°3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.51	+ 8 50.4	1.146	2.010	19.8	20.6
9 8	1 0.90	+ 9 16.7	1.075	2.001	15.5	20.3
9 18	0 54.09	+ 9 25.5	1.022	1.992	10.5	20.0
9 28	0 44.86	+ 9 17.6	0.990	1.985	4.9	19.7
10 8	0 34.58	+ 8 57.2	0.981	1.978	3.0	19.5
10 18	0 24.90	+ 8 31.1	0.996	1.972	8.3	19.8
10 28	0 17.40	+ 8 7.8	1.034	1.967	13.7	20.1
11 7	0 13.10	+ 7 54.7	1.091	1.963	18.5	20.4

87332 2000 QF_{19} 10 3.7 70.°53 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.54	+ 5 39.0	1.960	2.805	13.5	20.1
9 8	0 57.17	+ 5 5.9	1.893	2.814	10.2	19.9
9 18	0 50.95	+ 4 21.5	1.849	2.822	6.4	19.7
9 28	0 43.51	+ 3 29.8	1.832	2.830	2.3	19.4
10 8	0 35.68	+ 2 36.5	1.842	2.838	2.0	19.4
10 18	0 28.34	+ 1 47.2	1.881	2.846	6.1	19.7
10 28	0 22.31	+ 1 7.4	1.946	2.855	9.8	20.0
11 7	0 18.16	+ 0 40.7	2.035	2.863	12.9	20.2

433982 1999 VN_{155} 10 3.7 19.°15 4.°6/ 1.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.26	− 4 21.4	1.061	1.957	18.6	19.3
9 8	0 59.52	− 4 41.9	1.022	1.968	14.0	19.1
9 18	0 52.82	− 5 6.0	1.001	1.982	8.9	18.9
9 28	0 44.22	− 5 25.5	1.002	1.997	4.9	18.7
10 8	0 35.20	− 5 33.0	1.027	2.014	6.1	18.9
10 18	0 27.24	− 5 23.2	1.074	2.032	10.6	19.2
10 28	0 21.56	− 4 54.0	1.143	2.052	15.0	19.5
11 7	0 18.81	− 4 6.1	1.231	2.073	18.8	19.8

42512 1993 FW_{81} 10 3.7 15.°37 4.°4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.79	− 6 33.7	1.372	2.245	16.6	18.2
9 8	1 4.06	− 6 33.1	1.315	2.249	12.6	18.0
9 18	0 55.57	− 6 32.2	1.278	2.253	8.3	17.8
9 28	0 45.24	− 6 25.1	1.266	2.258	4.7	17.6
10 8	0 34.39	− 6 6.6	1.280	2.264	5.7	17.7
10 18	0 24.39	− 5 33.7	1.319	2.271	9.7	17.9
10 28	0 16.46	− 4 45.2	1.383	2.279	13.9	18.2
11 7	0 11.33	− 3 42.2	1.467	2.287	17.5	18.4

285043 2011 FJ_{10} 10 3.7 242.°47 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.57	+ 6 40.1	1.694	2.541	15.2	21.6
9 8	0 59.17	+ 6 2.3	1.612	2.533	11.6	21.4
9 18	0 52.48	+ 5 9.3	1.553	2.525	7.4	21.1
9 28	0 44.15	+ 4 5.3	1.518	2.516	2.7	20.8
10 8	0 35.16	+ 2 57.0	1.511	2.507	2.3	20.7
10 18	0 26.60	+ 1 52.1	1.531	2.498	7.1	21.0
10 28	0 19.54	+ 0 58.1	1.577	2.488	11.5	21.3
11 7	0 14.74	+ 0 20.2	1.646	2.479	15.3	21.5

359940 2011 YR_{44} 10 3.7 290.°03 1.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.38	− 2 7.9	4.365	5.214	6.6	20.7
9 8	0 50.18	− 2 43.2	4.286	5.210	4.9	20.6
9 18	0 46.21	− 3 20.9	4.233	5.206	3.0	20.4
9 28	0 41.71	− 3 58.6	4.209	5.203	1.6	20.3
10 8	0 37.04	− 4 34.0	4.215	5.199	2.2	20.4
10 18	0 32.53	− 5 4.6	4.252	5.195	3.9	20.5
10 28	0 28.51	− 5 28.4	4.316	5.191	5.7	20.6
11 7	0 25.28	− 5 44.2	4.407	5.187	7.3	20.7

476493 2008 FR_{112} 10 3.7 108.°53 1.°9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.83	+ 3 3.8	1.656	2.511	15.1	21.8
9 8	0 59.84	+ 2 1.9	1.600	2.527	11.2	21.6
9 18	0 52.69	+ 0 48.5	1.567	2.543	6.9	21.4
9 28	0 44.15	− 0 29.6	1.560	2.558	2.7	21.2
10 8	0 35.24	− 1 44.2	1.581	2.573	3.5	21.3
10 18	0 27.02	− 2 47.9	1.629	2.587	7.7	21.6
10 28	0 20.43	− 3 34.8	1.703	2.601	11.6	21.8
11 7	0 16.07	− 4 1.9	1.800	2.614	15.0	22.1

120630 1996 GL_8 10 3.7 244.°90 2.°3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.35	− 0 0.2	2.310	3.166	11.4	19.7
9 8	0 55.34	− 0 56.7	2.233	3.161	8.5	19.5
9 18	0 49.75	− 2 0.2	2.181	3.157	5.3	19.3
9 28	0 43.07	− 3 6.0	2.157	3.152	2.5	19.1
10 8	0 36.01	− 4 8.1	2.161	3.148	3.5	19.2
10 18	0 29.29	− 5 1.2	2.194	3.143	6.6	19.4
10 28	0 23.61	− 5 40.9	2.254	3.138	9.8	19.6
11 7	0 19.52	− 6 4.8	2.337	3.134	12.5	19.8

287364 2002 UY_{57} 10 3.7 45.°63 7.°6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.42	−10 39.7	1.226	2.111	17.4	19.7
9 8	1 2.35	−11 39.0	1.187	2.124	13.4	19.5
9 18	0 54.46	−12 34.8	1.168	2.137	9.6	19.3
9 28	0 44.80	−13 16.7	1.172	2.151	7.7	19.3
10 8	0 34.79	−13 36.3	1.200	2.166	9.1	19.4
10 18	0 25.82	−13 29.0	1.252	2.181	12.5	19.6
10 28	0 19.07	−12 54.7	1.325	2.196	16.1	19.9
11 7	0 15.17	−11 56.9	1.417	2.211	19.3	20.2

394159 2006 QJ_{38} 10 3.7 8.°53 2.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.13	+ 3 23.6	1.446	2.324	15.7	19.7
9 8	0 53.69	+ 1 46.0	1.385	2.325	11.6	19.5
9 18	0 49.03	− 0 7.6	1.347	2.327	7.1	19.2
9 28	0 42.87	− 2 7.7	1.333	2.330	3.2	19.0
10 8	0 36.20	− 4 2.9	1.345	2.334	4.7	19.1
10 18	0 30.11	− 5 42.1	1.384	2.339	9.1	19.4
10 28	0 25.57	− 6 57.1	1.446	2.344	13.3	19.6
11 7	0 23.24	− 7 44.3	1.529	2.350	16.8	19.9

249486 2009 UO_{69} 10 3.7 316.°14 1.°9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.23	− 4 21.9	4.188	5.040	6.8	19.9
9 8	0 50.85	− 4 53.3	4.110	5.036	5.0	19.8
9 18	0 46.64	− 5 26.1	4.059	5.031	3.2	19.7
9 28	0 41.89	− 5 58.0	4.037	5.027	2.0	19.6
10 8	0 36.94	− 6 26.4	4.045	5.024	2.6	19.6
10 18	0 32.17	− 6 49.0	4.083	5.020	4.3	19.7
10 28	0 27.93	− 7 4.2	4.148	5.016	6.1	19.9
11 7	0 24.52	− 7 10.6	4.239	5.012	7.7	20.0

103872 2000 DT_{45} 10 3.7 256.°92 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.30	+ 7 56.6	1.902	2.743	14.1	20.1
9 8	0 57.17	+ 7 21.4	1.824	2.740	10.8	19.9
9 18	0 51.07	+ 6 32.0	1.767	2.737	6.9	19.6
9 28	0 43.60	+ 5 31.9	1.737	2.734	2.6	19.4
10 8	0 35.63	+ 4 26.9	1.734	2.731	1.8	19.3
10 18	0 28.07	+ 3 23.8	1.759	2.728	6.1	19.6
10 28	0 21.83	+ 2 29.2	1.811	2.724	10.1	19.8
11 7	0 17.55	+ 1 48.0	1.887	2.721	13.5	20.0

476770 2008 UN_{113} 10 3.7 25.°85 4.°1/ 7.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.63	+18 2.3	1.710	2.516	16.9	21.7
9 8	0 57.72	+17 49.9	1.632	2.517	13.6	21.5
9 18	0 51.55	+17 14.2	1.574	2.518	9.9	21.2
9 28	0 43.81	+16 16.1	1.539	2.518	6.1	21.0
10 8	0 35.47	+15 0.2	1.530	2.519	4.1	20.9
10 18	0 27.63	+13 33.9	1.548	2.520	6.3	21.0
10 28	0 21.31	+12 6.6	1.592	2.521	10.1	21.3
11 7	0 17.24	+10 47.3	1.661	2.522	13.8	21.5

249381 2009 BJ_{46} 10 3.7 1.°00 4.°4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.74	+16 11.0	1.620	2.437	17.2	20.2
9 8	0 58.70	+16 29.4	1.544	2.436	13.9	20.0
9 18	0 52.25	+16 27.4	1.488	2.435	10.1	19.7
9 28	0 44.09	+16 4.8	1.455	2.435	6.3	19.5
10 8	0 35.26	+15 24.7	1.447	2.436	4.4	19.4
10 18	0 26.91	+14 32.9	1.465	2.437	6.7	19.6
10 28	0 20.18	+13 37.6	1.509	2.438	10.5	19.8
11 7	0 15.83	+12 46.7	1.576	2.440	14.2	20.0

438704 2008 RU_{110} 10 3.7 63.°17 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.20	+ 3 40.7	1.627	2.476	15.6	21.0
9 8	1 2.62	+ 3 44.1	1.557	2.479	11.9	20.8
9 18	0 54.61	+ 3 37.8	1.510	2.482	7.5	20.5
9 28	0 44.93	+ 3 25.1	1.487	2.485	2.7	20.2
10 8	0 34.66	+ 3 10.3	1.492	2.488	2.3	20.2
10 18	0 25.00	+ 2 58.4	1.525	2.492	7.0	20.5
10 28	0 17.05	+ 2 54.1	1.583	2.495	11.4	20.8
11 7	0 11.55	+ 3 0.7	1.664	2.498	15.1	21.0

124613 2001 SE_{45} 10 3.7 24.°77 3.°2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.19	− 0 0.2	1.032	1.925	19.2	19.6
9 8	0 58.81	− 0 34.7	0.991	1.938	14.3	19.3
9 18	0 52.44	− 1 19.5	0.969	1.951	8.9	19.1
9 28	0 44.12	− 2 6.2	0.969	1.967	3.9	18.9
10 8	0 35.35	− 2 45.3	0.992	1.984	5.0	19.0
10 18	0 27.61	− 3 8.9	1.038	2.002	10.0	19.3
10 28	0 22.15	− 3 12.2	1.105	2.021	14.8	19.7
11 7	0 19.64	− 2 54.0	1.191	2.041	18.8	20.0

101065 1998 RV_{11} 10 3.7 50.°95 1.°2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.80	+ 7 7.6	1.192	2.062	18.8	18.8
9 8	0 58.11	+ 5 46.1	1.151	2.085	14.0	18.6
9 18	0 51.80	+ 4 5.3	1.131	2.109	8.6	18.4
9 28	0 43.85	+ 2 14.7	1.134	2.133	3.0	18.1
10 8	0 35.58	+ 0 26.8	1.163	2.158	3.3	18.2
10 18	0 28.27	− 1 6.9	1.216	2.182	8.6	18.6
10 28	0 23.00	− 2 17.7	1.294	2.207	13.3	19.0
11 7	0 20.36	− 3 2.0	1.392	2.233	17.1	19.3

119956 2002 PA_{149} 10 3.7 88.°66 0.°1/ 1.9 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 41.43	+ 0 0.2	44.130	44.972	0.7	22.7
9 8	0 40.85	− 0 4.0	44.055	44.976	0.5	22.7
9 18	0 40.20	− 0 8.5	44.007	44.981	0.3	22.7
9 28	0 39.51	− 0 13.1	43.988	44.985	0.1	22.6
10 8	0 38.80	− 0 17.6	43.998	44.990	0.2	22.6
10 18	0 38.11	− 0 21.8	44.039	44.994	0.4	22.7
10 28	0 37.46	− 0 25.6	44.108	44.998	0.6	22.7
11 7	0 36.86	− 0 28.9	44.204	45.003	0.8	22.7

293994 2007 TX_{79} 10 3.7 34.°87 9.°0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.87	+26 32.1	1.642	2.399	19.4	20.0
9 8	1 1.25	+27 36.0	1.571	2.406	16.7	19.8
9 18	0 53.97	+28 14.1	1.518	2.414	13.7	19.6
9 28	0 44.76	+28 22.2	1.486	2.422	10.9	19.5
10 8	0 34.78	+28 0.1	1.477	2.430	9.1	19.4
10 18	0 25.35	+27 11.8	1.493	2.439	9.4	19.4
10 28	0 17.73	+26 5.6	1.533	2.448	11.5	19.6
11 7	0 12.77	+24 52.4	1.596	2.458	14.2	19.8

95622 2002 GU_{18} 10 3.7 129.°58 1.°0/ 4.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.36	+10 59.1	2.318	3.140	12.5	19.3
9 8	0 55.36	+10 20.3	2.240	3.144	9.6	19.1
9 18	0 49.76	+ 9 27.5	2.185	3.147	6.3	18.9
9 28	0 43.10	+ 8 23.7	2.156	3.150	2.8	18.7
10 8	0 36.08	+ 7 13.7	2.157	3.153	1.5	18.6
10 18	0 29.42	+ 6 3.1	2.186	3.156	4.9	18.8
10 28	0 23.84	+ 4 58.0	2.244	3.159	8.3	19.0
11 7	0 19.86	+ 4 3.1	2.327	3.162	11.3	19.2

27127 1998 WB_{24} 10 3.7 301.°42 5.°6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.58	− 7 35.6	1.785	2.661	13.2	18.0
9 8	0 56.80	− 8 53.0	1.712	2.647	10.1	17.7
9 18	0 50.94	−10 13.8	1.662	2.633	7.1	17.5
9 28	0 43.60	−11 29.8	1.638	2.619	5.6	17.4
10 8	0 35.68	−12 32.4	1.641	2.606	7.2	17.5
10 18	0 28.17	−13 15.1	1.669	2.592	10.3	17.6
10 28	0 22.03	−13 33.7	1.721	2.579	13.6	17.8
11 7	0 17.95	−13 27.8	1.793	2.566	16.6	18.0

12270 Bozar 10 3.7 14.°42 2.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.77	+ 2 46.4	1.344	2.221	16.7	18.2
9 8	0 56.58	+ 1 57.1	1.287	2.225	12.5	17.9
9 18	0 50.93	+ 0 54.5	1.249	2.229	7.7	17.7
9 28	0 43.60	− 0 14.2	1.236	2.234	3.0	17.4
10 8	0 35.73	− 1 20.0	1.248	2.240	3.8	17.5
10 18	0 28.54	− 2 14.4	1.284	2.247	8.6	17.8
10 28	0 23.12	− 2 50.5	1.344	2.255	13.1	18.1
11 7	0 20.16	− 3 5.2	1.425	2.264	16.9	18.3

214663 2006 SZ_{119} 10 3.7 328.°25 3.°8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.84	− 3 36.6	1.855	2.723	13.2	20.1
9 8	0 57.57	− 4 30.4	1.788	2.721	9.9	19.9
9 18	0 51.31	− 5 29.2	1.743	2.718	6.4	19.7
9 28	0 43.71	− 6 26.6	1.725	2.716	3.9	19.5
10 8	0 35.64	− 7 15.7	1.734	2.714	5.1	19.6
10 18	0 28.05	− 7 50.7	1.770	2.713	8.5	19.8
10 28	0 21.82	− 8 7.8	1.831	2.711	11.9	20.0
11 7	0 17.58	− 8 5.6	1.914	2.709	14.9	20.2

142314 2002 RH_{165} 10 3.7 355.°47 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.66	+ 6 26.0	1.160	2.040	18.5	19.4
9 8	0 55.43	+ 5 16.6	1.097	2.036	14.0	19.1
9 18	0 50.43	+ 3 44.9	1.054	2.034	8.7	18.8
9 28	0 43.48	+ 1 59.2	1.033	2.032	3.1	18.5
10 8	0 35.82	+ 0 11.7	1.036	2.031	3.6	18.6
10 18	0 28.82	− 1 24.5	1.063	2.030	9.3	18.9
10 28	0 23.76	− 2 38.6	1.113	2.031	14.5	19.2
11 7	0 21.44	− 3 24.7	1.182	2.033	18.8	19.5

484931 2009 SL_{127} 10 3.7 11.°42 1.°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.96	+ 9 1.4	1.999	2.830	13.9	21.3
9 8	0 58.33	+ 9 8.5	1.923	2.831	10.7	21.1
9 18	0 51.78	+ 9 3.5	1.870	2.833	7.1	20.8
9 28	0 43.89	+ 8 48.2	1.842	2.835	3.3	20.6
10 8	0 35.51	+ 8 25.9	1.841	2.838	1.9	20.5
10 18	0 27.56	+ 8 0.9	1.869	2.841	5.5	20.8
10 28	0 20.91	+ 7 38.3	1.924	2.844	9.2	21.0
11 7	0 16.18	+ 7 22.3	2.003	2.847	12.5	21.2

270964 2002 VX_{96} 10 3.7 309.°81 4.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.92	+13 8.3	1.345	2.185	18.8	20.1
9 8	1 0.41	+13 38.5	1.250	2.159	15.2	19.8
9 18	0 53.88	+13 49.3	1.174	2.133	10.9	19.5
9 28	0 44.91	+13 39.6	1.120	2.108	6.3	19.2
10 8	0 34.64	+13 11.2	1.090	2.083	4.2	19.0
10 18	0 24.55	+12 29.7	1.084	2.059	8.0	19.1
10 28	0 16.24	+11 44.1	1.102	2.035	13.1	19.3
11 7	0 10.89	+11 4.1	1.141	2.012	18.0	19.5

488169 2015 XU_{55} 10 3.7 311.°20 6.°2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.56	−12 42.9	2.052	2.919	12.1	20.8
9 8	0 58.02	−13 35.4	1.982	2.907	9.5	20.6
9 18	0 51.57	−14 25.3	1.935	2.895	7.2	20.5
9 28	0 43.82	−15 5.8	1.914	2.883	6.2	20.4
10 8	0 35.59	−15 30.7	1.919	2.871	7.5	20.4
10 18	0 27.78	−15 36.0	1.951	2.859	10.0	20.6
10 28	0 21.24	−15 19.9	2.007	2.848	12.7	20.7
11 7	0 16.59	−14 43.1	2.084	2.837	15.2	20.9

85619 1998 HQ_{106} 10 3.7 47.°67 8.°0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.95	− 9 42.0	1.314	2.204	16.1	18.7
9 8	0 57.95	−11 45.3	1.291	2.230	12.3	18.5
9 18	0 51.57	−13 44.9	1.289	2.257	9.1	18.4
9 28	0 43.76	−15 28.0	1.312	2.285	8.0	18.4
10 8	0 35.74	−16 44.4	1.360	2.312	9.8	18.6
10 18	0 28.67	−17 28.6	1.431	2.341	12.8	18.9
10 28	0 23.50	−17 39.7	1.523	2.369	15.8	19.1
11 7	0 20.76	−17 21.3	1.634	2.397	18.4	19.4

253380 2003 HY_{58} 10 3.7 250.°58 3.°4/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.09	−14 41.7	4.620	5.472	6.2	20.3
9 8	0 51.43	−15 16.3	4.552	5.466	4.9	20.2
9 18	0 46.99	−15 48.3	4.511	5.460	3.8	20.1
9 28	0 42.05	−16 15.2	4.498	5.455	3.5	20.1
10 8	0 36.94	−16 34.8	4.514	5.449	4.1	20.1
10 18	0 32.00	−16 45.2	4.559	5.443	5.3	20.2
10 28	0 27.57	−16 45.3	4.630	5.437	6.6	20.3
11 7	0 23.94	−16 35.1	4.724	5.431	7.9	20.4

359607 2010 WD_{64} 10 3.7 283.°05 1.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.07	− 0 39.6	4.302	5.146	6.7	21.1
9 8	0 50.74	− 1 8.5	4.217	5.139	5.0	21.0
9 18	0 46.60	− 1 40.4	4.158	5.132	3.1	20.9
9 28	0 41.92	− 2 13.1	4.129	5.124	1.4	20.7
10 8	0 37.04	− 2 44.1	4.129	5.117	1.9	20.8
10 18	0 32.32	− 3 11.2	4.160	5.110	3.7	20.9
10 28	0 28.11	− 3 32.4	4.219	5.102	5.6	21.0
11 7	0 24.70	− 3 46.1	4.305	5.095	7.3	21.1

315941 2008 TE_{91} 10 3.7 348.°84 0.°4/ 4.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.96	+ 7 22.2	3.557	4.382	8.5	20.6
9 8	0 51.58	+ 7 6.6	3.470	4.377	6.4	20.5
9 18	0 47.20	+ 6 44.2	3.408	4.373	4.1	20.3
9 28	0 42.16	+ 6 16.7	3.374	4.370	1.7	20.2
10 8	0 36.87	+ 5 46.5	3.369	4.366	1.0	20.1
10 18	0 31.76	+ 5 16.3	3.395	4.363	3.5	20.3
10 28	0 27.29	+ 4 49.1	3.449	4.360	5.9	20.5
11 7	0 23.81	+ 4 27.1	3.530	4.357	8.0	20.6

381816 2009 VG_{46} 10 3.7 201.°27 4.°0/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.39	+19 19.9	2.161	2.939	14.7	21.6
9 8	0 59.45	+19 8.9	2.069	2.935	12.0	21.4
9 18	0 52.52	+18 38.0	1.998	2.930	8.9	21.2
9 28	0 44.20	+17 47.4	1.952	2.925	5.7	21.0
10 8	0 35.31	+16 40.2	1.934	2.919	4.0	20.9
10 18	0 26.79	+15 21.9	1.944	2.912	5.7	21.0
10 28	0 19.53	+14 0.2	1.983	2.905	8.9	21.2
11 7	0 14.20	+12 42.5	2.048	2.896	12.1	21.4

161653 2006 BB_{206} 10 3.7 51.°62 0.°7/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.18	+ 9 1.6	1.351	2.203	18.1	19.5
9 8	1 0.36	+ 8 30.7	1.312	2.233	13.7	19.3
9 18	0 53.09	+ 7 41.9	1.292	2.263	8.7	19.1
9 28	0 44.33	+ 6 40.6	1.297	2.293	3.5	18.9
10 8	0 35.32	+ 5 34.8	1.327	2.324	2.1	18.9
10 18	0 27.28	+ 4 33.0	1.383	2.355	7.0	19.3
10 28	0 21.20	+ 3 42.6	1.465	2.386	11.4	19.6
11 7	0 17.66	+ 3 8.5	1.568	2.416	15.1	19.9

490719 2010 RH_{87} 10 3.7 31.°65 2.°6/ 5.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.88	+11 50.6	1.527	2.364	17.1	21.3
9 8	0 58.66	+11 59.1	1.471	2.380	13.3	21.1
9 18	0 52.11	+11 49.7	1.435	2.397	9.1	20.9
9 28	0 44.03	+11 24.2	1.423	2.414	4.7	20.7
10 8	0 35.50	+10 47.5	1.437	2.432	2.8	20.6
10 18	0 27.68	+10 5.8	1.477	2.451	6.4	20.9
10 28	0 21.56	+ 9 26.3	1.542	2.470	10.4	21.2
11 7	0 17.81	+ 8 55.1	1.630	2.490	14.0	21.4

227686 2006 DQ_2 10 3.7 228.°53 0.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.10	+ 3 59.9	2.627	3.466	10.7	21.0
9 8	0 55.78	+ 3 24.6	2.541	3.458	8.0	20.8
9 18	0 50.00	+ 2 41.0	2.479	3.451	5.0	20.6
9 28	0 43.23	+ 1 52.5	2.445	3.443	1.8	20.3
10 8	0 36.07	+ 1 3.3	2.440	3.434	1.9	20.4
10 18	0 29.19	+ 0 17.7	2.465	3.426	5.2	20.6
10 28	0 23.23	− 0 20.0	2.518	3.417	8.3	20.7
11 7	0 18.70	− 0 46.9	2.596	3.408	11.0	20.9

22560 1998 HD_{17} 10 3.7 5.°75 3.°9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.65	+15 42.5	1.300	2.141	19.3	17.1
9 8	0 56.03	+15 36.1	1.233	2.141	15.4	16.9
9 18	0 50.76	+15 3.5	1.184	2.142	11.0	16.6
9 28	0 43.62	+14 6.3	1.157	2.144	6.3	16.4
10 8	0 35.79	+12 50.4	1.153	2.147	3.9	16.2
10 18	0 28.57	+11 25.3	1.174	2.151	7.2	16.4
10 28	0 23.20	+10 2.6	1.220	2.156	11.8	16.7
11 7	0 20.47	+ 8 52.1	1.286	2.162	16.0	17.0

428552 2008 CV_{66} 10 3.7 333.°89 3.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.55	+ 0 21.9	1.168	2.056	17.8	21.1
9 8	0 57.70	− 0 38.5	1.103	2.047	13.4	20.8
9 18	0 51.95	− 1 52.9	1.056	2.038	8.4	20.5
9 28	0 44.10	− 3 12.3	1.033	2.029	4.1	20.3
10 8	0 35.42	− 4 25.4	1.033	2.022	5.6	20.3
10 18	0 27.37	− 5 21.6	1.056	2.015	10.6	20.6
10 28	0 21.32	− 5 53.1	1.101	2.009	15.6	20.9
11 7	0 18.14	− 5 57.1	1.165	2.004	19.9	21.1

516587 2007 FX_{36} 10 3.7 169.°39 2.°1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.12	− 0 9.5	2.436	3.289	11.0	22.0
9 8	0 55.83	− 0 58.8	2.364	3.290	8.2	21.8
9 18	0 50.04	− 1 54.3	2.317	3.291	5.1	21.6
9 28	0 43.24	− 2 51.3	2.297	3.292	2.4	21.5
10 8	0 36.11	− 3 44.8	2.306	3.293	3.2	21.5
10 18	0 29.32	− 4 30.1	2.345	3.294	6.2	21.7
10 28	0 23.56	− 5 3.2	2.410	3.295	9.2	21.9
11 7	0 19.32	− 5 22.0	2.499	3.295	11.8	22.1

68149 2001 AM_{45} 10 3.7 23.°62 0.°7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.76	+ 3 27.4	0.940	1.829	21.0	17.6
9 8	1 1.11	+ 3 32.5	0.897	1.839	15.9	17.4
9 18	0 54.10	+ 3 23.0	0.871	1.851	10.0	17.1
9 28	0 44.84	+ 3 4.3	0.865	1.864	3.6	16.8
10 8	0 34.98	+ 2 43.8	0.882	1.879	3.1	16.8
10 18	0 26.25	+ 2 29.4	0.921	1.895	9.2	17.2
10 28	0 20.08	+ 2 27.4	0.982	1.912	14.7	17.6
11 7	0 17.21	+ 2 41.6	1.061	1.930	19.2	17.9

136187 2003 UP_{218} 10 3.7 324.°73 8.°4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.04	− 9 27.9	1.074	1.974	18.1	18.5
9 8	0 59.29	−10 32.9	1.003	1.950	14.2	18.2
9 18	0 53.26	−11 40.4	0.951	1.926	10.3	17.9
9 28	0 44.69	−12 38.2	0.920	1.903	8.4	17.7
10 8	0 34.96	−13 13.5	0.910	1.881	10.3	17.7
10 18	0 25.77	−13 17.0	0.922	1.861	14.6	17.9
10 28	0 18.76	−12 44.8	0.953	1.842	19.3	18.1
11 7	0 15.01	−11 39.1	1.000	1.824	23.5	18.3

407978 2012 DW_{47} 10 3.7 214.°62 0.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.76	+ 7 3.9	2.562	3.390	11.2	22.2
9 8	0 56.32	+ 6 35.7	2.475	3.385	8.6	22.0
9 18	0 50.37	+ 5 57.5	2.413	3.380	5.5	21.8
9 28	0 43.39	+ 5 11.9	2.378	3.374	2.1	21.6
10 8	0 36.02	+ 4 23.0	2.372	3.368	1.5	21.5
10 18	0 28.93	+ 3 35.3	2.396	3.362	4.9	21.7
10 28	0 22.81	+ 2 53.2	2.448	3.356	8.1	21.9
11 7	0 18.17	+ 2 20.5	2.526	3.349	10.9	22.1

515317 2012 XQ_{15} 10 3.7 53.°41 1.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.77	+ 1 58.5	1.706	2.561	14.8	21.0
9 8	1 0.68	+ 1 43.4	1.639	2.564	11.1	20.8
9 18	0 53.37	+ 1 19.7	1.593	2.568	6.9	20.6
9 28	0 44.53	+ 0 51.6	1.574	2.572	2.6	20.3
10 8	0 35.19	+ 0 24.6	1.581	2.576	2.8	20.3
10 18	0 26.42	+ 0 3.7	1.617	2.580	7.2	20.6
10 28	0 19.22	− 0 6.4	1.677	2.584	11.2	20.9
11 7	0 14.28	− 0 3.1	1.761	2.588	14.7	21.1

101919 1999 RL_{14} 10 3.7 353.°34 1.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.79	+ 5 4.4	1.002	1.896	19.7	18.6
9 8	0 55.16	+ 4 20.4	0.943	1.888	14.9	18.3
9 18	0 50.49	+ 3 15.5	0.900	1.883	9.4	18.0
9 28	0 43.60	+ 1 57.4	0.879	1.878	3.3	17.6
10 8	0 35.87	+ 0 37.5	0.880	1.875	3.8	17.6
10 18	0 28.86	− 0 31.7	0.903	1.874	9.8	18.0
10 28	0 23.98	− 1 19.8	0.947	1.874	15.4	18.3
11 7	0 22.14	− 1 41.4	1.008	1.876	20.1	18.6

266073 2006 RN_{53} 10 3.7 3.°77 1.°2/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.48	+ 2 20.9	1.014	1.902	19.9	20.0
9 8	1 0.19	+ 2 25.2	0.958	1.901	15.1	19.7
9 18	0 53.63	+ 2 17.1	0.920	1.900	9.5	19.4
9 28	0 44.75	+ 2 1.6	0.903	1.902	3.4	19.1
10 8	0 35.04	+ 1 45.9	0.908	1.904	3.4	19.1
10 18	0 26.20	+ 1 37.1	0.936	1.908	9.4	19.5
10 28	0 19.73	+ 1 41.3	0.986	1.914	14.8	19.8
11 7	0 16.50	+ 2 2.0	1.054	1.921	19.4	20.1

71795 2000 SB_{230} 10 3.7 274.°18 0.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.60	+ 5 30.0	1.420	2.277	17.1	19.6
9 8	1 1.21	+ 5 8.8	1.341	2.267	13.1	19.3
9 18	0 54.07	+ 4 32.5	1.282	2.256	8.3	19.0
9 28	0 44.91	+ 3 45.2	1.248	2.246	3.0	18.6
10 8	0 34.88	+ 2 53.7	1.239	2.235	2.6	18.6
10 18	0 25.34	+ 2 5.9	1.256	2.224	8.0	18.9
10 28	0 17.60	+ 1 29.7	1.297	2.213	13.0	19.2
11 7	0 12.57	+ 1 10.2	1.359	2.202	17.3	19.4

316779 1999 TP_{141} 10 3.7 43.°64 1.°5/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.91	+10 11.8	1.150	2.012	20.0	19.9
9 8	1 0.01	+ 9 52.9	1.102	2.027	15.4	19.7
9 18	0 53.21	+ 9 12.0	1.073	2.044	10.1	19.5
9 28	0 44.50	+ 8 13.5	1.065	2.061	4.4	19.2
10 8	0 35.30	+ 7 6.1	1.081	2.078	2.4	19.1
10 18	0 27.05	+ 5 59.6	1.122	2.097	7.7	19.5
10 28	0 20.98	+ 5 3.9	1.186	2.115	12.8	19.9
11 7	0 17.81	+ 4 25.5	1.271	2.134	17.0	20.2

384671 2011 FF_{61} 10 3.7 290.°45 0.°8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.82	+ 7 47.3	1.515	2.363	16.6	21.6
9 8	1 0.52	+ 7 40.9	1.431	2.350	12.9	21.3
9 18	0 53.61	+ 7 18.9	1.367	2.337	8.4	21.0
9 28	0 44.74	+ 6 44.0	1.327	2.324	3.5	20.7
10 8	0 35.01	+ 6 1.2	1.313	2.311	2.1	20.6
10 18	0 25.69	+ 5 17.6	1.326	2.298	7.3	20.8
10 28	0 18.04	+ 4 40.6	1.364	2.285	12.1	21.1
11 7	0 12.94	+ 4 16.3	1.423	2.272	16.3	21.3

448569 2010 SR_5 10 3.7 186.°56 2.°0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.93	+11 51.9	2.432	3.239	12.4	21.7
9 8	0 58.80	+11 54.0	2.347	3.239	9.7	21.5
9 18	0 51.99	+11 44.0	2.285	3.238	6.7	21.3
9 28	0 44.02	+11 22.9	2.249	3.238	3.5	21.1
10 8	0 35.60	+10 53.6	2.242	3.236	2.1	21.1
10 18	0 27.51	+10 19.8	2.265	3.235	4.8	21.2
10 28	0 20.50	+ 9 46.2	2.316	3.233	8.0	21.4
11 7	0 15.15	+ 9 17.3	2.393	3.231	10.9	21.6

245359 2005 EO_{272} 10 3.7 153.°93 6.°2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.02	−12 49.4	2.141	3.002	12.0	20.9
9 8	0 59.67	−13 54.1	2.086	3.008	9.3	20.7
9 18	0 52.51	−14 55.6	2.056	3.013	7.1	20.6
9 28	0 44.19	−15 46.9	2.052	3.018	6.2	20.5
10 8	0 35.54	−16 22.3	2.076	3.022	7.3	20.6
10 18	0 27.41	−16 37.9	2.127	3.026	9.7	20.8
10 28	0 20.59	−16 32.3	2.202	3.030	12.2	21.0
11 7	0 15.65	−16 6.5	2.298	3.033	14.5	21.1

328838 2009 WD_{55} 10 3.7 303.°89 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.47	+ 9 21.7	2.252	3.083	12.5	21.1
9 8	0 54.82	+ 8 41.2	2.167	3.078	9.6	20.9
9 18	0 49.54	+ 7 46.9	2.106	3.072	6.2	20.6
9 28	0 43.13	+ 6 42.3	2.071	3.067	2.5	20.4
10 8	0 36.29	+ 5 32.2	2.064	3.061	1.5	20.3
10 18	0 29.78	+ 4 22.5	2.087	3.056	5.2	20.6
10 28	0 24.32	+ 3 19.5	2.137	3.051	8.8	20.8
11 7	0 20.48	+ 2 27.8	2.211	3.045	11.8	21.0

451857 2014 *FM* 10 3.7 232.°85 8.°8/30.8 15

8 29	1 26.24	−14 25.6	1.094	1.956	20.7	21.3
9 8	1 17.62	−14 29.0	1.030	1.952	16.5	21.0
9 18	1 4.79	−14 21.1	0.985	1.947	12.0	20.7
9 28	0 48.92	−13 51.2	0.963	1.942	9.0	20.6
10 8	0 32.03	−12 52.1	0.965	1.936	10.0	20.6
10 18	0 16.40	−11 22.9	0.993	1.930	14.1	20.8
10 28	0 3.95	− 9 28.7	1.045	1.924	18.8	21.1
11 7	23 55.72	− 7 17.2	1.115	1.917	22.9	21.3

403762 2011 BX_{136} 10 3.7 12.°87 0.°0/ 3.6 18

8 29	1 1.24	+ 5 33.1	2.095	2.938	12.9	21.2
9 8	0 56.96	+ 5 16.6	2.021	2.940	9.8	21.0
9 18	0 50.89	+ 4 50.1	1.970	2.941	6.2	20.8
9 28	0 43.63	+ 4 16.6	1.946	2.943	2.3	20.5
10 8	0 35.95	+ 3 40.7	1.949	2.945	1.8	20.5
10 18	0 28.66	+ 3 6.9	1.980	2.948	5.7	20.8
10 28	0 22.58	+ 2 40.1	2.039	2.950	9.2	21.0
11 7	0 18.27	+ 2 23.6	2.121	2.953	12.4	21.2

439560 2014 DY_{58} 10 3.7 55.°16 3.°7/30.5 18

8 29	1 3.49	− 2 55.8	1.674	2.543	14.3	20.9
9 8	0 58.93	− 3 45.3	1.617	2.551	10.7	20.7
9 18	0 52.23	− 4 40.1	1.583	2.558	6.8	20.4
9 28	0 44.12	− 5 33.4	1.574	2.567	3.8	20.3
10 8	0 35.61	− 6 18.1	1.592	2.575	5.0	20.4
10 18	0 27.71	− 6 48.3	1.636	2.583	8.6	20.6
10 28	0 21.38	− 7 0.5	1.705	2.592	12.3	20.9
11 7	0 17.22	− 6 53.4	1.796	2.601	15.4	21.1

111923 2002 GW_{17} 10 3.7 31.°59 12.°2/30.8 17

8 29	1 22.44	−22 4.8	0.939	1.812	22.4	17.8
9 8	1 14.04	−21 58.8	0.911	1.831	18.3	17.7
9 18	1 1.83	−21 29.4	0.901	1.852	14.5	17.5
9 28	0 47.52	−20 26.9	0.912	1.873	12.3	17.5
10 8	0 33.31	−18 48.6	0.944	1.897	13.0	17.6
10 18	0 21.18	−16 39.6	1.000	1.921	15.7	17.9
10 28	0 12.49	−14 9.4	1.076	1.946	19.1	18.2
11 7	0 7.72	−11 28.1	1.172	1.972	22.1	18.5

136133 2003 SC_{110} 10 3.7 31.°29 0.°7/ 4.1 18

8 29	1 7.85	+ 5 43.5	1.124	1.992	19.8	19.1
9 8	1 3.18	+ 5 59.1	1.070	2.001	15.2	18.9
9 18	0 55.36	+ 5 59.9	1.035	2.009	9.8	18.6
9 28	0 45.37	+ 5 48.6	1.022	2.019	3.8	18.3
10 8	0 34.71	+ 5 31.2	1.033	2.030	2.5	18.3
10 18	0 24.99	+ 5 14.3	1.068	2.041	8.3	18.7
10 28	0 17.61	+ 5 4.8	1.126	2.053	13.5	19.0
11 7	0 13.40	+ 5 7.6	1.204	2.065	17.9	19.3

170570 2003 XT_2 10 3.7 2.°24 5.°0/30.0 17

8 29	0 59.35	− 1 50.5	1.048	1.947	18.5	18.9
9 8	0 56.91	− 3 3.7	0.995	1.945	13.9	18.6
9 18	0 51.48	− 4 28.2	0.962	1.944	8.9	18.4
9 28	0 43.96	− 5 52.6	0.950	1.944	5.2	18.2
10 8	0 35.74	− 7 4.2	0.961	1.946	7.0	18.3
10 18	0 28.32	− 7 52.6	0.994	1.949	11.8	18.6
10 28	0 23.06	− 8 11.5	1.048	1.952	16.5	18.8
11 7	0 20.73	− 8 0.4	1.120	1.957	20.6	19.1

494853 2008 CT_{205} 10 3.7 196.°22 2.°3/29.6 17

8 29	0 56.30	− 4 38.3	3.816	4.667	7.4	22.5
9 8	0 52.51	− 5 24.0	3.740	4.664	5.5	22.4
9 18	0 47.78	− 6 11.6	3.691	4.662	3.6	22.2
9 28	0 42.43	− 6 58.0	3.671	4.659	2.3	22.1
10 8	0 36.87	− 7 40.0	3.681	4.656	3.0	22.2
10 18	0 31.50	− 8 14.9	3.720	4.652	4.9	22.3
10 28	0 26.74	− 8 40.5	3.788	4.648	6.8	22.4
11 7	0 22.91	− 8 55.5	3.881	4.645	8.5	22.6

401831 1998 TD_9 10 3.7 315.°57 1.°7/ 2.1 18

8 29	1 3.25	− 0 6.7	2.180	3.031	12.1	20.6
9 8	0 58.42	− 0 23.4	2.102	3.027	9.1	20.4
9 18	0 51.81	− 0 45.6	2.049	3.023	5.7	20.2
9 28	0 43.99	− 1 9.6	2.022	3.018	2.4	20.0
10 8	0 35.72	− 1 31.1	2.023	3.014	2.9	20.0
10 18	0 27.83	− 1 46.1	2.053	3.010	6.4	20.2
10 28	0 21.11	− 1 51.2	2.110	3.007	9.8	20.4
11 7	0 16.17	− 1 44.4	2.191	3.003	12.7	20.6

179892 2002 UB_{35} 10 3.7 39.°01 2.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.98	+ 2 46.5	1.223	2.103	17.7	19.6
9 8	0 57.66	+ 1 29.9	1.173	2.114	13.2	19.3
9 18	0 51.69	− 0 1.6	1.144	2.125	8.1	19.1
9 28	0 43.98	− 1 38.5	1.138	2.136	3.4	18.9
10 8	0 35.77	− 3 9.0	1.157	2.148	4.7	19.0
10 18	0 28.39	− 4 22.9	1.201	2.161	9.6	19.3
10 28	0 22.95	− 5 12.6	1.268	2.174	14.1	19.6
11 7	0 20.14	− 5 35.7	1.354	2.187	17.9	19.9

186421 2002 RZ_6 10 3.7 352.°42 0.°0/ 3.5 18

8 29	0 50.41	+ 7 30.4	0.853	1.758	21.1	18.2
9 8	0 50.73	+ 7 5.9	0.793	1.744	16.2	17.9
9 18	0 47.91	+ 6 15.4	0.750	1.733	10.4	17.5
9 28	0 42.74	+ 5 4.7	0.725	1.724	3.9	17.1
10 8	0 36.62	+ 3 45.2	0.721	1.718	2.9	17.1
10 18	0 31.16	+ 2 30.6	0.736	1.715	9.6	17.4
10 28	0 27.92	+ 1 34.2	0.771	1.714	15.7	17.8
11 7	0 27.83	+ 1 4.2	0.823	1.716	20.8	18.1

151309 2002 CD_{97} 10 3.7 145.°26 3.°9/28.9 18

8 29	1 0.25	− 5 14.2	2.299	3.162	11.2	20.4
9 8	0 56.02	− 6 24.0	2.236	3.165	8.4	20.2
9 18	0 50.22	− 7 36.9	2.197	3.169	5.6	20.1
9 28	0 43.37	− 8 46.9	2.186	3.172	3.9	20.0
10 8	0 36.19	− 9 47.9	2.204	3.176	5.1	20.0
10 18	0 29.41	−10 34.9	2.250	3.179	7.7	20.2
10 28	0 23.72	−11 4.5	2.322	3.181	10.5	20.4
11 7	0 19.63	−11 15.8	2.416	3.184	13.0	20.6

91864 1999 UW_{24} 10 3.7 220.°86 0.°6/ 4.4 18

8 29	1 3.63	+ 7 23.9	2.517	3.340	11.6	18.6
9 8	0 58.55	+ 7 19.7	2.429	3.334	8.9	18.4
9 18	0 51.84	+ 7 6.1	2.364	3.329	5.8	18.2
9 28	0 44.01	+ 6 45.2	2.327	3.322	2.4	18.0
10 8	0 35.73	+ 6 19.9	2.319	3.316	1.4	17.9
10 18	0 27.74	+ 5 54.0	2.341	3.309	4.8	18.2
10 28	0 20.77	+ 5 31.3	2.392	3.303	8.1	18.4
11 7	0 15.38	+ 5 15.4	2.468	3.295	11.0	18.5

68305 2001 FK_{103} 10 3.7 66.°37 4.°4/ 8.5 18

8 29	1 3.53	+19 7.5	2.188	2.967	14.5	18.7
9 8	0 58.65	+19 24.4	2.119	2.984	11.8	18.5
9 18	0 51.95	+19 23.6	2.072	3.001	8.8	18.4
9 28	0 44.04	+19 5.1	2.050	3.018	5.9	18.2
10 8	0 35.74	+18 31.5	2.054	3.035	4.4	18.2
10 18	0 27.92	+17 46.8	2.087	3.052	5.6	18.3
10 28	0 21.37	+16 57.2	2.147	3.069	8.3	18.5
11 7	0 16.68	+16 8.7	2.233	3.086	11.0	18.7

412589 2014 OE_{60} 10 3.7 124.°76 3.°7/ 7.5 18

8 29	1 4.19	+16 29.7	2.275	3.064	13.7	20.7
9 8	0 59.18	+16 50.0	2.192	3.066	11.1	20.5
9 18	0 52.34	+16 55.3	2.130	3.068	8.1	20.3
9 28	0 44.22	+16 45.3	2.094	3.070	5.2	20.2
10 8	0 35.59	+16 22.2	2.086	3.071	3.7	20.1
10 18	0 27.31	+15 49.4	2.106	3.073	5.4	20.2
10 28	0 20.21	+15 12.1	2.154	3.075	8.3	20.4
11 7	0 14.92	+14 36.0	2.227	3.076	11.2	20.6

123803 2001 BP_{56} 10 3.7 162.°43 1.°3/ 5.2 18

8 29	1 2.06	+10 20.8	2.622	3.434	11.5	20.2
9 8	0 57.26	+10 9.8	2.540	3.438	8.9	20.0
9 18	0 50.97	+ 9 47.8	2.482	3.441	5.9	19.8
9 28	0 43.67	+ 9 16.7	2.452	3.444	2.8	19.6
10 8	0 36.01	+ 8 39.6	2.451	3.447	1.6	19.5
10 18	0 28.68	+ 8 0.4	2.479	3.449	4.5	19.8
10 28	0 22.33	+ 7 23.5	2.537	3.451	7.5	20.0
11 7	0 17.47	+ 6 52.6	2.620	3.453	10.2	20.1

312466 2008 RZ_{122} 10 3.7 139.°84 1.°0/ 5.9 18

8 29	0 54.05	+11 37.3	4.662	5.461	7.0	21.1
9 8	0 50.71	+11 23.3	4.575	5.463	5.5	21.0
9 18	0 46.61	+11 2.6	4.513	5.465	3.7	20.9
9 28	0 42.02	+10 36.4	4.479	5.468	1.9	20.8
10 8	0 37.26	+10 6.4	4.475	5.470	1.1	20.7
10 18	0 32.64	+ 9 34.6	4.502	5.472	2.6	20.8
10 28	0 28.51	+ 9 3.4	4.559	5.475	4.4	21.0
11 7	0 25.13	+ 8 34.8	4.643	5.477	6.1	21.1

235819 2004 XA_{92} 10 3.7 183.°14 0.°7/ 4.5 18

8 29	1 3.94	+ 8 57.4	2.134	2.959	13.3	21.7
9 8	0 59.01	+ 8 32.6	2.053	2.960	10.2	21.5
9 18	0 52.23	+ 7 54.8	1.995	2.960	6.6	21.3
9 28	0 44.18	+ 7 6.6	1.964	2.960	2.8	21.0
10 8	0 35.66	+ 6 12.8	1.962	2.959	1.6	20.9
10 18	0 27.54	+ 5 18.8	1.989	2.957	5.5	21.2
10 28	0 20.64	+ 4 30.4	2.043	2.956	9.2	21.4
11 7	0 15.59	+ 3 52.3	2.122	2.953	12.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
186793	2004 ES_{31}		10	3.7	126.°81	2.°6/ 6.3 18
	h m	° ′			°	m
8 29	1 4.04	+14 38.6	1.679	2.498	16.6	20.2
9 8	0 59.52	+14 13.1	1.608	2.505	13.1	20.0
9 18	0 52.73	+13 26.4	1.557	2.512	9.1	19.8
9 28	0 44.39	+12 20.8	1.531	2.519	4.8	19.5
10 8	0 35.53	+11 2.2	1.531	2.526	2.8	19.4
10 18	0 27.24	+ 9 38.5	1.559	2.532	6.2	19.7
10 28	0 20.54	+ 8 18.9	1.614	2.538	10.3	19.9
11 7	0 16.13	+ 7 11.0	1.692	2.544	14.0	20.2
157054	2003 SB_{147}		10	3.7	39.°98	2.°5/ 6.3 18
8 29	1 0.97	+13 28.1	2.015	2.832	14.3	19.0
9 8	0 56.83	+13 22.8	1.947	2.843	11.2	18.8
9 18	0 50.85	+13 1.6	1.900	2.854	7.8	18.6
9 28	0 43.66	+12 26.2	1.878	2.866	4.2	18.4
10 8	0 36.08	+11 40.7	1.884	2.878	2.6	18.3
10 18	0 28.95	+10 50.3	1.918	2.890	5.3	18.6
10 28	0 23.12	+10 1.0	1.978	2.903	8.7	18.8
11 7	0 19.13	+ 9 18.5	2.064	2.915	11.9	19.0
317820	2003 ST_{267}		10	3.7	21.°78	0.°0/ 3.5 18
8 29	0 58.31	+ 7 49.4	2.103	2.944	12.9	20.4
9 8	0 54.77	+ 7 0.1	2.029	2.947	9.8	20.2
9 18	0 49.54	+ 5 57.5	1.979	2.949	6.2	20.0
9 28	0 43.18	+ 4 45.8	1.955	2.952	2.3	19.8
10 8	0 36.43	+ 3 30.8	1.959	2.956	1.7	19.7
10 18	0 30.08	+ 2 19.0	1.992	2.959	5.6	20.0
10 28	0 24.87	+ 1 16.5	2.052	2.963	9.2	20.2
11 7	0 21.34	+ 0 27.9	2.136	2.967	12.3	20.4
84982	2003 YM_{65}		10	3.7	347.°94	11.°0/22.8 18
8 29	0 58.94	−18 1.5	1.377	2.266	15.6	18.6
9 8	0 56.13	−19 59.1	1.330	2.258	13.0	18.4
9 18	0 50.79	−21 48.4	1.304	2.251	11.3	18.3
9 28	0 43.71	−23 16.3	1.301	2.245	11.3	18.3
10 8	0 36.05	−24 12.2	1.320	2.240	13.1	18.4
10 18	0 29.04	−24 30.5	1.361	2.236	15.7	18.6
10 28	0 23.81	−24 10.7	1.420	2.233	18.5	18.8
11 7	0 21.08	−23 16.9	1.495	2.231	21.0	18.9
437308	2013 CF_{133}		10	3.7	216.°67	0.°2/ 4.3 18
8 29	0 54.25	+ 6 57.2	4.931	5.748	6.4	22.1
9 8	0 50.83	+ 6 42.7	4.840	5.744	4.8	21.9
9 18	0 46.68	+ 6 23.4	4.776	5.740	3.1	21.8
9 28	0 42.06	+ 6 0.5	4.740	5.735	1.2	21.6
10 8	0 37.27	+ 5 35.9	4.734	5.731	0.8	21.6
10 18	0 32.61	+ 5 11.3	4.759	5.726	2.6	21.8
10 28	0 28.39	+ 4 48.7	4.814	5.722	4.4	21.9
11 7	0 24.87	+ 4 29.8	4.897	5.717	6.0	22.0
412005	2012 LT_{26}		10	3.7	174.°02	4.°4/27.4 18
8 29	0 59.88	−10 3.7	2.879	3.737	9.3	21.5
9 8	0 55.48	−11 10.7	2.816	3.739	7.1	21.3
9 18	0 49.78	−12 17.2	2.779	3.741	5.2	21.2
9 28	0 43.24	−13 18.1	2.771	3.742	4.4	21.2
10 8	0 36.42	−14 8.8	2.791	3.743	5.4	21.2
10 18	0 29.91	−14 45.6	2.840	3.744	7.4	21.4
10 28	0 24.28	−15 6.3	2.915	3.744	9.5	21.5
11 7	0 19.97	−15 10.5	3.012	3.744	11.4	21.7
49866	1999 XG_{111}		10	3.7	206.°31	4.°7/29.2 18
8 29	1 6.52	− 8 44.7	2.137	2.994	12.1	19.0
9 8	1 0.90	− 9 25.9	2.066	2.990	9.3	18.8
9 18	0 53.40	−10 6.9	2.020	2.986	6.4	18.6
9 28	0 44.62	−10 41.9	2.001	2.982	4.7	18.5
10 8	0 35.41	−11 5.5	2.010	2.978	5.8	18.5
10 18	0 26.65	−11 13.8	2.047	2.973	8.6	18.7
10 28	0 19.19	−11 4.6	2.110	2.967	11.5	18.9
11 7	0 13.64	−10 38.0	2.195	2.962	14.1	19.1
358709	2008 AP_{102}		10	3.7	247.°04	1.°7/ 5.5 18
8 29	1 3.07	+11 6.6	2.158	2.977	13.4	22.0
9 8	0 58.45	+10 58.5	2.068	2.968	10.5	21.8
9 18	0 51.96	+10 36.5	2.000	2.959	7.1	21.6
9 28	0 44.13	+10 2.4	1.958	2.950	3.5	21.3
10 8	0 35.74	+ 9 19.8	1.945	2.940	2.0	21.2
10 18	0 27.66	+ 8 33.4	1.960	2.931	5.3	21.4
10 28	0 20.75	+ 7 49.0	2.002	2.921	9.0	21.6
11 7	0 15.66	+ 7 11.8	2.070	2.911	12.3	21.8
474626	2004 TR_{220}		10	3.8	31.°96	4.°5/ 1.4 16
8 29	1 10.39	− 5 53.0	1.214	2.093	18.0	21.0
9 8	1 4.68	− 5 55.0	1.170	2.107	13.6	20.7
9 18	0 56.07	− 5 57.7	1.146	2.122	8.8	20.5
9 28	0 45.61	− 5 54.6	1.145	2.138	4.9	20.4
10 8	0 34.77	− 5 40.1	1.169	2.155	5.8	20.5
10 18	0 25.01	− 5 10.9	1.218	2.173	10.0	20.8
10 28	0 17.55	− 4 26.0	1.290	2.191	14.3	21.1
11 7	0 13.06	− 3 26.5	1.382	2.211	17.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9297	Marchuk		10	3.8	91.°87	3.°7/ 7.9 18
	h m	° ′			°	m
8 29	1 2.22	+19 8.0	1.922	2.713	15.8	16.8
9 8	0 57.85	+18 38.2	1.853	2.729	12.7	16.7
9 18	0 51.53	+17 46.2	1.806	2.744	9.2	16.5
9 28	0 43.93	+16 33.7	1.782	2.760	5.7	16.3
10 8	0 35.95	+15 6.1	1.787	2.775	3.7	16.2
10 18	0 28.53	+13 30.7	1.819	2.791	5.6	16.4
10 28	0 22.53	+11 56.4	1.880	2.806	9.0	16.6
11 7	0 18.53	+10 30.8	1.965	2.820	12.2	16.9
437149	2012 VC_{24}		10	3.8	38.°77	2.°2/ 2.2 18
8 29	1 5.33	+ 0 45.7	1.339	2.212	17.0	20.7
9 8	1 0.72	+ 0 21.9	1.290	2.225	12.7	20.4
9 18	0 53.54	− 0 11.0	1.262	2.240	7.9	20.2
9 28	0 44.70	− 0 47.0	1.257	2.255	3.2	20.0
10 8	0 35.43	− 1 18.8	1.278	2.271	3.8	20.1
10 18	0 27.01	− 1 40.2	1.325	2.287	8.4	20.4
10 28	0 20.53	− 1 46.6	1.395	2.304	12.8	20.7
11 7	0 16.66	− 1 36.2	1.486	2.322	16.5	21.0
487836	2015 TK_{80}		10	3.8	262.°04	2.°2/ 6.4 18
8 29	1 0.27	+13 59.1	2.408	3.213	12.6	21.6
9 8	0 56.20	+13 43.1	2.313	3.203	10.0	21.4
9 18	0 50.47	+13 12.1	2.241	3.192	7.0	21.2
9 28	0 43.57	+12 27.8	2.194	3.181	3.8	21.0
10 8	0 36.19	+11 33.4	2.176	3.170	2.3	20.9
10 18	0 29.08	+10 33.7	2.187	3.159	4.8	21.0
10 28	0 22.98	+ 9 34.4	2.227	3.148	8.1	21.2
11 7	0 18.48	+ 8 40.9	2.292	3.136	11.1	21.4
101450	1998 VN_{56}		10	3.8	314.°54	1.°1/ 4.5 18
8 29	1 2.27	+ 8 26.1	1.333	2.192	17.9	19.5
9 8	0 59.00	+ 8 19.3	1.248	2.173	13.9	19.2
9 18	0 52.91	+ 7 54.2	1.182	2.154	9.2	18.8
9 28	0 44.65	+ 7 13.2	1.139	2.136	3.9	18.5
10 8	0 35.36	+ 6 22.1	1.121	2.118	2.3	18.3
10 18	0 26.44	+ 5 29.1	1.127	2.101	7.8	18.6
10 28	0 19.30	+ 4 43.3	1.157	2.084	13.2	18.9
11 7	0 14.95	+ 4 12.3	1.207	2.069	17.8	19.1
466707	2014 WG_{444}		10	3.8	12.°97	3.°6/ 1.8 17
8 29	1 6.30	− 1 30.9	0.995	1.886	19.9	20.3
9 8	1 2.36	− 1 51.2	0.943	1.888	15.0	20.0
9 18	0 55.04	− 2 20.1	0.910	1.891	9.5	19.7
9 28	0 45.37	− 2 49.7	0.897	1.894	4.4	19.4
10 8	0 34.94	− 3 11.0	0.908	1.899	5.4	19.5
10 18	0 25.50	− 3 16.6	0.940	1.904	10.8	19.8
10 28	0 18.56	− 3 2.0	0.994	1.911	16.0	20.2
11 7	0 14.96	− 2 26.4	1.066	1.918	20.4	20.5
286988	2002 QW_{49}		10	3.8	348.°21	1.°4/ 2.5 18
8 29	1 0.22	+ 3 57.1	1.539	2.405	15.5	20.5
9 8	0 56.84	+ 3 14.9	1.468	2.400	11.7	20.2
9 18	0 51.16	+ 2 19.3	1.419	2.396	7.3	20.0
9 28	0 43.88	+ 1 15.8	1.394	2.392	2.7	19.7
10 8	0 36.00	+ 0 12.1	1.395	2.389	3.1	19.7
10 18	0 28.62	− 0 43.9	1.422	2.387	7.7	20.0
10 28	0 22.80	− 1 25.3	1.474	2.385	12.1	20.3
11 7	0 19.25	− 1 48.0	1.547	2.384	15.9	20.5
120439	1978 VJ_4		10	3.8	335.°18	2.°6/ 5.8 18
8 29	0 58.53	+12 22.7	1.246	2.102	19.0	19.4
9 8	0 56.24	+12 14.2	1.167	2.088	15.1	19.1
9 18	0 51.17	+11 41.6	1.107	2.074	10.4	18.8
9 28	0 44.00	+10 46.6	1.069	2.062	5.2	18.4
10 8	0 35.89	+ 9 35.3	1.054	2.050	2.9	18.3
10 18	0 28.24	+ 8 17.5	1.063	2.040	7.6	18.5
10 28	0 22.43	+ 7 4.4	1.095	2.030	12.9	18.8
11 7	0 19.42	+ 6 6.1	1.147	2.022	17.6	19.0
126349	2002 AU_{166}		10	3.8	166.°92	3.°4/29.5 18
8 29	1 0.11	− 3 29.4	2.290	3.151	11.3	19.8
9 8	0 55.98	− 4 38.7	2.223	3.153	8.4	19.6
9 18	0 50.25	− 5 52.7	2.180	3.154	5.4	19.4
9 28	0 43.47	− 7 5.4	2.166	3.155	3.5	19.3
10 8	0 36.34	− 8 10.7	2.180	3.156	4.6	19.4
10 18	0 29.58	− 9 3.2	2.222	3.157	7.4	19.6
10 28	0 23.91	− 9 39.1	2.290	3.158	10.3	19.8
11 7	0 19.83	− 9 56.9	2.382	3.158	12.9	19.9
40094	1998 NN		10	3.8	37.°13	7.°0/26.8 18
8 29	0 59.29	− 7 22.0	1.414	2.303	15.2	17.6
9 8	0 56.09	− 9 24.3	1.373	2.315	11.5	17.4
9 18	0 50.60	−11 28.6	1.356	2.328	8.2	17.3
9 28	0 43.63	−13 22.5	1.363	2.341	7.0	17.2
10 8	0 36.27	−14 54.8	1.396	2.355	8.9	17.4
10 18	0 29.63	−15 57.9	1.452	2.369	12.1	17.6
10 28	0 24.68	−16 28.6	1.531	2.384	15.3	17.9
11 7	0 22.01	−16 28.6	1.628	2.399	18.1	18.1

243909 2001 FY_{103} 10 3.8 205.°54 1.°8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.54	+ 2 47.0	2.245	3.091	12.0	21.8
9 8	0 57.14	+ 1 35.1	2.164	3.087	9.0	21.6
9 18	0 51.05	+ 0 12.7	2.107	3.081	5.5	21.4
9 28	0 43.80	− 1 14.7	2.079	3.076	2.3	21.2
10 8	0 36.10	− 2 40.6	2.080	3.069	3.2	21.2
10 18	0 28.75	− 3 58.1	2.110	3.062	6.6	21.5
10 28	0 22.51	− 5 1.6	2.168	3.055	10.0	21.7
11 7	0 17.93	− 5 47.7	2.250	3.047	12.9	21.8

13310 1998 RX_{63} 10 3.8 34.°43 1.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.85	+ 1 35.4	1.748	2.611	14.1	17.9
9 8	0 56.86	+ 0 55.2	1.694	2.625	10.5	17.7
9 18	0 50.92	+ 0 6.4	1.662	2.639	6.5	17.5
9 28	0 43.73	− 0 45.5	1.656	2.654	2.6	17.3
10 8	0 36.19	− 1 34.1	1.678	2.669	3.3	17.4
10 18	0 29.24	− 2 13.5	1.726	2.685	7.1	17.7
10 28	0 23.72	− 2 39.1	1.799	2.702	10.8	17.9
11 7	0 20.19	− 2 48.6	1.895	2.719	14.0	18.2

228133 Ripoll 10 3.8 40.°87 1.°4/ 4.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.68	+ 9 27.8	1.156	2.018	19.9	20.5
9 8	1 0.62	+ 9 18.2	1.109	2.034	15.3	20.3
9 18	0 53.66	+ 8 48.0	1.080	2.051	10.0	20.1
9 28	0 44.80	+ 8 1.4	1.073	2.068	4.3	19.8
10 8	0 35.44	+ 7 6.0	1.090	2.087	2.4	19.7
10 18	0 27.03	+ 6 11.2	1.131	2.106	7.7	20.1
10 28	0 20.82	+ 5 25.7	1.196	2.125	12.7	20.5
11 7	0 17.50	+ 4 55.9	1.282	2.145	16.8	20.8

228920 2003 SJ_{234} 10 3.8 296.°87 2.°6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.00	− 1 45.1	2.207	3.065	11.7	20.3
9 8	0 56.83	− 2 22.9	2.123	3.051	8.8	20.1
9 18	0 50.90	− 3 6.2	2.062	3.037	5.6	19.8
9 28	0 43.76	− 3 50.4	2.028	3.023	2.8	19.6
10 8	0 36.13	− 4 30.3	2.023	3.009	3.8	19.7
10 18	0 28.79	− 5 1.1	2.045	2.995	7.0	19.9
10 28	0 22.54	− 5 18.8	2.094	2.981	10.3	20.0
11 7	0 17.99	− 5 21.3	2.166	2.967	13.2	20.2

300717 2007 VC_{120} 10 3.8 346.°50 1.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.07	+ 4 22.6	1.580	2.442	15.4	20.7
9 8	0 57.44	+ 3 43.8	1.509	2.438	11.6	20.4
9 18	0 51.53	+ 2 51.6	1.459	2.435	7.3	20.2
9 28	0 44.03	+ 1 51.2	1.433	2.432	2.6	19.9
10 8	0 35.94	+ 0 50.0	1.434	2.429	2.8	19.9
10 18	0 28.36	− 0 4.5	1.462	2.427	7.5	20.2
10 28	0 22.31	− 0 45.5	1.514	2.426	11.8	20.4
11 7	0 18.51	− 1 8.8	1.588	2.424	15.6	20.7

57546 2001 TO_{21} 10 3.8 335.°53 5.°2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.45	− 5 1.8	1.386	2.267	16.0	19.2
9 8	0 59.50	− 6 0.7	1.322	2.262	12.1	18.9
9 18	0 52.95	− 7 4.9	1.280	2.256	8.0	18.7
9 28	0 44.58	− 8 5.5	1.262	2.252	5.3	18.5
10 8	0 35.56	− 8 53.3	1.269	2.247	6.8	18.6
10 18	0 27.15	− 9 20.8	1.300	2.243	10.8	18.8
10 28	0 20.55	− 9 24.1	1.354	2.240	14.8	19.0
11 7	0 16.54	− 9 2.8	1.427	2.237	18.4	19.3

13450 6077 *P–L* 10 3.8 325.°32 0.°8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.38	+ 8 21.1	2.106	2.939	13.2	18.7
9 8	0 57.18	+ 8 9.1	2.023	2.934	10.1	18.5
9 18	0 51.16	+ 7 45.1	1.964	2.930	6.6	18.3
9 28	0 43.86	+ 7 11.4	1.930	2.925	2.8	18.1
10 8	0 36.08	+ 6 32.1	1.924	2.921	1.6	18.0
10 18	0 28.65	+ 5 52.0	1.947	2.917	5.4	18.2
10 28	0 22.39	+ 5 16.6	1.996	2.913	9.1	18.4
11 7	0 17.92	+ 4 50.0	2.070	2.910	12.3	18.6

362567 2010 VS_{77} 10 3.8 7.°05 4.°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.26	− 7 25.0	1.791	2.660	13.5	20.4
9 8	0 59.48	− 7 58.0	1.729	2.660	10.3	20.2
9 18	0 52.63	− 8 31.4	1.690	2.662	6.9	20.0
9 28	0 44.40	− 8 59.1	1.676	2.663	4.8	19.9
10 8	0 35.72	− 9 15.3	1.690	2.665	5.9	19.9
10 18	0 27.61	− 9 15.9	1.730	2.667	9.0	20.1
10 28	0 20.97	− 8 58.6	1.794	2.670	12.3	20.3
11 7	0 16.45	− 8 23.9	1.880	2.674	15.2	20.5

403168 2008 GO_{102} 10 3.8 98.°07 3.°3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.57	− 5 20.0	2.429	3.281	11.0	21.3
9 8	0 59.05	− 5 58.4	2.379	3.303	8.2	21.1
9 18	0 52.03	− 6 38.2	2.354	3.325	5.3	21.0
9 28	0 44.10	− 7 14.7	2.357	3.346	3.3	20.9
10 8	0 35.96	− 7 43.5	2.389	3.366	4.2	21.0
10 18	0 28.34	− 8 1.2	2.451	3.387	6.8	21.2
10 28	0 21.88	− 8 5.8	2.539	3.407	9.4	21.4
11 7	0 17.03	− 7 56.6	2.651	3.426	11.7	21.6

515692 2014 QD_{49} 10 3.8 117.°30 1.°7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.19	+12 26.5	2.355	3.166	12.6	21.5
9 8	0 56.77	+12 3.8	2.280	3.175	9.9	21.3
9 18	0 50.75	+11 27.1	2.228	3.184	6.7	21.2
9 28	0 43.67	+10 38.7	2.202	3.192	3.3	21.0
10 8	0 36.24	+ 9 42.7	2.205	3.200	1.9	20.9
10 18	0 29.20	+ 8 43.9	2.237	3.208	4.8	21.1
10 28	0 23.25	+ 7 48.1	2.297	3.216	8.0	21.3
11 7	0 18.93	+ 6 59.9	2.383	3.224	10.9	21.5

444571 2006 TZ_{65} 10 3.8 8.°27 1.°6/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.88	+14 14.2	1.388	2.236	17.9	20.9
9 8	0 53.01	+13 7.6	1.321	2.238	14.0	20.7
9 18	0 48.82	+11 33.5	1.274	2.241	9.4	20.4
9 28	0 43.04	+ 9 37.3	1.251	2.245	4.3	20.1
10 8	0 36.71	+ 7 29.2	1.253	2.250	2.1	20.0
10 18	0 30.96	+ 5 21.6	1.281	2.256	6.8	20.3
10 28	0 26.82	+ 3 27.2	1.334	2.264	11.6	20.6
11 7	0 24.96	+ 1 54.8	1.410	2.273	15.7	20.9

434219 2003 SG_{93} 10 3.8 14.°51 1.°7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.09	+11 34.4	1.045	1.921	20.4	19.6
9 8	0 53.66	+11 3.0	0.997	1.930	15.8	19.4
9 18	0 49.42	+10 5.0	0.967	1.940	10.4	19.1
9 28	0 43.28	+ 8 46.2	0.957	1.952	4.7	18.9
10 8	0 36.56	+ 7 16.7	0.969	1.967	2.4	18.8
10 18	0 30.66	+ 5 49.0	1.005	1.983	7.8	19.2
10 28	0 26.78	+ 4 34.8	1.063	2.000	13.0	19.5
11 7	0 25.61	+ 3 41.7	1.141	2.020	17.3	19.8

270847 2002 TA_{22} 10 3.8 324.°76 0.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.11	+ 5 18.4	1.228	2.101	18.2	20.4
9 8	0 59.01	+ 5 4.7	1.151	2.085	14.0	20.1
9 18	0 52.98	+ 4 34.6	1.093	2.070	9.0	19.8
9 28	0 44.71	+ 3 52.4	1.056	2.055	3.3	19.4
10 8	0 35.43	+ 3 5.3	1.044	2.041	2.7	19.3
10 18	0 26.62	+ 2 21.8	1.056	2.028	8.6	19.6
10 28	0 19.74	+ 1 50.6	1.090	2.015	14.0	19.9
11 7	0 15.76	+ 1 37.6	1.144	2.004	18.7	20.2

251713 1997 ES_{16} 10 3.8 183.°03 0.°5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.67	+ 5 20.3	2.500	3.336	11.3	22.0
9 8	0 56.31	+ 4 39.8	2.421	3.336	8.5	21.8
9 18	0 50.44	+ 3 49.7	2.365	3.336	5.3	21.6
9 28	0 43.57	+ 2 53.5	2.338	3.336	1.9	21.4
10 8	0 36.33	+ 1 56.1	2.340	3.335	1.8	21.4
10 18	0 29.42	+ 1 2.1	2.371	3.334	5.2	21.6
10 28	0 23.50	+ 0 16.3	2.431	3.333	8.4	21.8
11 7	0 19.08	− 0 18.1	2.515	3.331	11.1	22.0

358739 2008 CV_{63} 10 3.8 335.°05 1.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.85	+10 6.5	1.580	2.429	16.1	20.9
9 8	0 55.88	+ 9 38.6	1.500	2.418	12.5	20.6
9 18	0 50.64	+ 8 51.8	1.439	2.408	8.2	20.4
9 28	0 43.75	+ 7 49.5	1.403	2.398	3.6	20.1
10 8	0 36.18	+ 6 37.9	1.392	2.389	2.0	19.9
10 18	0 29.03	+ 5 25.3	1.408	2.381	6.7	20.2
10 28	0 23.36	+ 4 20.2	1.449	2.373	11.2	20.5
11 7	0 19.93	+ 3 29.6	1.512	2.367	15.2	20.7

407182 2009 UB_{83} 10 3.8 356.°27 0.°7/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.09	+ 4 51.3	1.845	2.700	13.8	20.8
9 8	0 55.64	+ 4 19.8	1.771	2.697	10.4	20.6
9 18	0 50.26	+ 3 36.7	1.720	2.695	6.5	20.3
9 28	0 43.55	+ 2 46.2	1.695	2.693	2.3	20.1
10 8	0 36.36	+ 1 54.2	1.696	2.692	2.3	20.1
10 18	0 29.59	+ 1 6.8	1.725	2.692	6.4	20.3
10 28	0 24.11	+ 0 29.7	1.780	2.692	10.3	20.6
11 7	0 20.54	+ 0 6.8	1.857	2.693	13.7	20.8

58514 1996 XK_{12} 10 3.8 133.°20 6.°2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.69	−13 54.5	2.293	3.155	11.2	19.7
9 8	0 57.88	−15 4.7	2.242	3.161	8.8	19.6
9 18	0 51.43	−16 11.2	2.215	3.168	6.9	19.4
9 28	0 43.92	−17 7.2	2.215	3.174	6.2	19.4
10 8	0 36.11	−17 47.3	2.242	3.180	7.4	19.5
10 18	0 28.78	−18 7.7	2.296	3.186	9.5	19.6
10 28	0 22.62	−18 7.2	2.374	3.192	11.8	19.8
11 7	0 18.16	−17 46.6	2.473	3.197	13.8	20.0

324158 2005 YY_{192} 10 3.8 322.°42 1.°9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.38	+ 1 1.2	2.044	2.902	12.6	20.7
9 8	0 56.44	+ 0 20.4	1.967	2.896	9.4	20.5
9 18	0 50.70	− 0 28.5	1.914	2.890	5.9	20.3
9 28	0 43.71	− 1 20.8	1.887	2.884	2.5	20.0
10 8	0 36.25	− 2 10.6	1.888	2.878	3.2	20.1
10 18	0 29.17	− 2 52.5	1.916	2.873	6.8	20.3
10 28	0 23.27	− 3 21.8	1.971	2.868	10.3	20.5
11 7	0 19.15	− 3 35.8	2.049	2.863	13.4	20.7

408018 2012 EW_{12} 10 3.8 108.°46 2.°7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.90	+14 17.2	2.435	3.233	12.7	21.2
9 8	0 58.06	+14 23.0	2.356	3.239	10.1	21.1
9 18	0 51.59	+14 15.4	2.299	3.246	7.1	20.9
9 28	0 44.02	+13 55.2	2.269	3.252	4.1	20.7
10 8	0 36.04	+13 24.9	2.267	3.258	2.7	20.6
10 18	0 28.42	+12 48.5	2.295	3.265	4.8	20.8
10 28	0 21.88	+12 10.6	2.350	3.271	7.7	21.0
11 7	0 16.98	+11 36.0	2.432	3.277	10.5	21.2

189153 2002 JZ_{39} 10 3.8 53.°07 6.°6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.99	−13 33.0	1.987	2.855	12.4	19.1
9 8	0 58.26	−14 35.8	1.943	2.867	9.8	19.0
9 18	0 51.71	−15 34.1	1.923	2.880	7.5	18.9
9 28	0 44.03	−16 20.6	1.928	2.892	6.6	18.8
10 8	0 36.07	−16 49.8	1.960	2.905	7.8	18.9
10 18	0 28.70	−16 58.0	2.018	2.918	10.1	19.1
10 28	0 22.71	−16 44.5	2.099	2.931	12.6	19.3
11 7	0 18.61	−16 10.6	2.201	2.945	14.8	19.5

454615 2014 QX_{46} 10 3.8 12.°67 1.°1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.08	+10 10.2	1.838	2.677	14.6	21.3
9 8	0 55.63	+ 9 42.5	1.767	2.680	11.2	21.1
9 18	0 50.25	+ 8 59.0	1.717	2.683	7.4	20.9
9 28	0 43.55	+ 8 3.0	1.692	2.687	3.2	20.6
10 8	0 36.39	+ 6 59.9	1.694	2.691	1.7	20.5
10 18	0 29.68	+ 5 56.4	1.723	2.696	5.8	20.8
10 28	0 24.28	+ 4 59.4	1.779	2.701	9.7	21.0
11 7	0 20.82	+ 4 14.4	1.858	2.707	13.1	21.3

19806 Domatthews 10 3.8 78.°68 1.°8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.38	+10 36.1	1.290	2.135	19.2	17.9
9 8	1 3.20	+10 24.9	1.238	2.153	14.8	17.7
9 18	0 55.23	+ 9 53.3	1.205	2.171	9.8	17.4
9 28	0 45.40	+ 9 4.9	1.195	2.189	4.4	17.2
10 8	0 35.09	+ 8 6.5	1.210	2.207	2.4	17.1
10 18	0 25.70	+ 7 6.9	1.252	2.225	7.3	17.5
10 28	0 18.44	+ 6 15.1	1.317	2.242	12.1	17.8
11 7	0 14.04	+ 5 37.6	1.405	2.260	16.2	18.1

398771 2013 AO_{88} 10 3.8 318.°33 5.°0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.69	− 5 12.7	1.403	2.284	15.9	20.2
9 8	1 0.05	− 5 50.0	1.313	2.252	12.2	19.9
9 18	0 53.61	− 6 32.6	1.244	2.221	8.2	19.6
9 28	0 44.98	− 7 13.1	1.199	2.190	5.2	19.3
10 8	0 35.25	− 7 42.7	1.178	2.160	6.6	19.3
10 18	0 25.79	− 7 53.9	1.182	2.131	11.0	19.5
10 28	0 18.00	− 7 41.7	1.208	2.102	15.6	19.7
11 7	0 12.93	− 7 4.9	1.253	2.075	19.8	19.9

496302 2013 CA_{215} 10 3.8 345.°15 0.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 53.63	+ 2 22.0	4.195	5.034	7.0	21.2
9 8	0 50.51	+ 1 47.4	4.114	5.032	5.2	21.1
9 18	0 46.58	+ 1 8.4	4.059	5.031	3.2	21.0
9 28	0 42.11	+ 0 27.3	4.033	5.030	1.2	20.8
10 8	0 37.45	− 0 13.3	4.037	5.029	1.5	20.8
10 18	0 32.96	− 0 50.9	4.072	5.029	3.5	21.0
10 28	0 28.99	− 1 23.2	4.135	5.028	5.5	21.1
11 7	0 25.82	− 1 48.3	4.225	5.027	7.2	21.3

381763 2009 SC_{263} 10 3.8 333.°02 2.°7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.36	− 0 15.4	1.165	2.050	18.1	19.9
9 8	1 0.06	− 0 29.8	1.093	2.034	13.8	19.6
9 18	0 53.69	− 0 53.9	1.039	2.019	8.7	19.3
9 28	0 45.00	− 1 21.6	1.008	2.006	3.7	19.0
10 8	0 35.30	− 1 44.8	1.000	1.993	4.5	19.0
10 18	0 26.14	− 1 56.3	1.015	1.981	9.9	19.3
10 28	0 19.04	− 1 50.2	1.053	1.970	15.2	19.5
11 7	0 14.98	− 1 24.0	1.109	1.961	19.7	19.8

326776 2003 SL_{220} 10 3.8 357.°55 3.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.22	− 1 20.1	0.970	1.866	19.9	19.4
9 8	1 0.98	− 1 20.1	0.914	1.861	15.1	19.1
9 18	0 54.33	− 1 27.8	0.875	1.857	9.6	18.8
9 28	0 45.21	− 1 36.8	0.857	1.855	4.1	18.5
10 8	0 35.20	− 1 39.4	0.861	1.854	4.8	18.5
10 18	0 26.05	− 1 29.2	0.887	1.855	10.5	18.8
10 28	0 19.35	− 1 1.9	0.934	1.858	15.9	19.2
11 7	0 16.04	− 0 16.5	0.998	1.862	20.5	19.5

442920 2013 CG_{43} 10 3.8 313.°60 2.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.15	− 0 53.8	1.759	2.625	13.9	21.4
9 8	0 58.06	− 1 39.0	1.685	2.618	10.4	21.2
9 18	0 51.86	− 2 31.9	1.634	2.611	6.6	20.9
9 28	0 44.18	− 3 26.6	1.608	2.604	3.2	20.7
10 8	0 35.94	− 4 16.3	1.610	2.597	4.3	20.8
10 18	0 28.14	− 4 54.6	1.638	2.591	8.1	21.0
10 28	0 21.75	− 5 16.6	1.691	2.584	11.9	21.2
11 7	0 17.44	− 5 20.1	1.766	2.578	15.3	21.4

512718 2016 UQ_{17} 10 3.8 32.°22 1.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.82	+ 0 15.5	1.241	2.113	18.1	19.9
9 8	1 3.53	+ 0 25.3	1.194	2.128	13.6	19.7
9 18	0 55.41	+ 0 27.5	1.168	2.145	8.5	19.5
9 28	0 45.47	+ 0 26.5	1.164	2.162	3.2	19.2
10 8	0 35.09	+ 0 27.7	1.186	2.180	3.3	19.3
10 18	0 25.70	+ 0 35.8	1.233	2.199	8.4	19.6
10 28	0 18.50	+ 0 54.2	1.303	2.219	13.0	20.0
11 7	0 14.18	+ 1 24.8	1.395	2.240	16.9	20.3

44068 1998 FX_{58} 10 3.8 277.°39 1.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.26	+ 5 36.9	1.427	2.290	16.7	18.4
9 8	0 58.63	+ 4 35.2	1.353	2.283	12.7	18.1
9 18	0 52.46	+ 3 15.4	1.300	2.276	7.9	17.8
9 28	0 44.46	+ 1 43.9	1.271	2.269	2.9	17.5
10 8	0 35.74	+ 0 10.4	1.268	2.263	3.3	17.5
10 18	0 27.54	− 1 14.5	1.291	2.256	8.4	17.8
10 28	0 21.05	− 2 21.8	1.339	2.249	13.2	18.1
11 7	0 17.08	− 3 5.9	1.408	2.242	17.3	18.3

9756 Ezaki 10 3.8 146.°22 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.38	+ 6 11.1	2.139	2.977	12.8	18.8
9 8	0 57.80	+ 5 28.4	2.067	2.983	9.7	18.6
9 18	0 51.48	+ 4 34.2	2.019	2.989	6.1	18.4
9 28	0 43.99	+ 3 32.6	1.997	2.995	2.2	18.1
10 8	0 36.11	+ 2 29.1	2.004	3.000	1.9	18.1
10 18	0 28.67	+ 1 29.5	2.040	3.005	5.8	18.4
10 28	0 22.43	+ 0 39.4	2.104	3.009	9.3	18.6
11 7	0 17.95	+ 0 2.5	2.191	3.013	12.4	18.8

145418 2005 PO_{11} 10 3.8 275.°14 1.°7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.88	+ 1 42.7	2.018	2.871	12.9	20.3
9 8	0 57.58	+ 1 3.3	1.942	2.868	9.6	20.1
9 18	0 51.43	+ 0 15.3	1.891	2.866	6.0	19.8
9 28	0 44.00	− 0 36.6	1.865	2.863	2.4	19.6
10 8	0 36.10	− 1 26.7	1.868	2.860	3.0	19.6
10 18	0 28.61	− 2 9.3	1.899	2.857	6.7	19.9
10 28	0 22.35	− 2 39.8	1.956	2.854	10.3	20.1
11 7	0 17.94	− 2 55.2	2.036	2.851	13.4	20.3

91712 1999 TW_{150} 10 3.8 167.°66 0.°6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.40	+ 6 14.2	2.347	3.185	11.8	19.4
9 8	0 55.46	+ 5 17.7	2.269	3.186	8.9	19.2
9 18	0 49.96	+ 4 9.8	2.216	3.188	5.6	19.0
9 28	0 43.43	+ 2 54.7	2.191	3.189	2.0	18.8
10 8	0 36.53	+ 1 38.0	2.194	3.190	1.9	18.8
10 18	0 29.98	+ 0 25.8	2.228	3.190	5.5	19.0
10 28	0 24.47	− 0 36.5	2.289	3.191	8.8	19.2
11 7	0 20.51	− 1 25.1	2.374	3.191	11.7	19.4

273757 2007 EV_{144} 10 3.8 22.°08 1.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.05	+ 2 47.8	1.120	2.002	18.9	19.4
9 8	0 59.50	+ 2 30.2	1.071	2.011	14.2	19.2
9 18	0 53.05	+ 1 59.6	1.042	2.022	8.9	18.9
9 28	0 44.65	+ 1 22.1	1.035	2.033	3.2	18.6
10 8	0 35.70	+ 0 45.9	1.051	2.046	3.4	18.7
10 18	0 27.65	+ 0 18.7	1.091	2.060	8.8	19.1
10 28	0 21.75	+ 0 6.7	1.153	2.075	13.8	19.4
11 7	0 18.74	+ 0 12.8	1.235	2.091	17.9	19.7

521171 2015 FH_{409} 10 3.8 272.°14 2.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.50	− 0 29.5	1.520	2.383	15.8	21.5
9 8	1 2.48	− 0 53.3	1.445	2.375	12.0	21.2
9 18	0 54.86	− 1 25.1	1.391	2.367	7.6	20.9
9 28	0 45.36	− 1 59.3	1.362	2.359	3.3	20.7
10 8	0 35.11	− 2 29.3	1.360	2.351	4.1	20.7
10 18	0 25.40	− 2 48.7	1.384	2.343	8.6	20.9
10 28	0 17.42	− 2 52.9	1.433	2.335	13.1	21.2
11 7	0 12.01	− 2 39.5	1.503	2.327	16.9	21.4

328634 2009 SJ_{203} 10 3.8 51.°42 2.°4/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.15	+ 1 52.1	1.250	2.125	17.8	20.8
9 8	1 0.71	+ 1 5.3	1.207	2.143	13.3	20.5
9 18	0 53.61	+ 0 6.8	1.183	2.161	8.2	20.3
9 28	0 44.82	− 0 55.5	1.182	2.180	3.3	20.1
10 8	0 35.63	− 1 52.5	1.207	2.199	4.1	20.2
10 18	0 27.37	− 2 36.2	1.257	2.219	8.9	20.5
10 28	0 21.15	− 3 1.0	1.330	2.238	13.4	20.8
11 7	0 17.63	− 3 4.9	1.423	2.258	17.1	21.1

300534 2007 TB_{237} 10 3.8 255.°15 2.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.91	+ 0 47.1	2.044	2.895	12.8	21.4
9 8	0 59.20	+ 0 11.3	1.957	2.882	9.7	21.2
9 18	0 52.53	− 0 32.5	1.893	2.868	6.1	20.9
9 28	0 44.46	− 1 19.9	1.857	2.854	2.6	20.7
10 8	0 35.80	− 2 5.2	1.848	2.839	3.2	20.7
10 18	0 27.47	− 2 43.0	1.868	2.824	7.0	20.9
10 28	0 20.36	− 3 8.4	1.915	2.809	10.7	21.1
11 7	0 15.14	− 3 18.7	1.985	2.794	13.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
12397 Peterbrown			10 3.8	201.°83	1.°6/ 1.9	18
	h m	° ′			°	m
8 29	1 2.27	+ 0 11.0	2.667	3.510	10.4	18.3
9 8	0 57.44	− 0 14.9	2.587	3.507	7.8	18.1
9 18	0 51.14	− 0 45.9	2.532	3.504	4.9	18.0
9 28	0 43.88	− 1 18.7	2.505	3.501	2.0	17.8
10 8	0 36.25	− 1 49.4	2.507	3.498	2.6	17.8
10 18	0 28.93	− 2 14.4	2.539	3.494	5.5	18.0
10 28	0 22.56	− 2 30.5	2.600	3.490	8.4	18.2
11 7	0 17.62	− 2 35.7	2.685	3.486	10.9	18.3
325607 2009 ST_{214}			10 3.8	303.°00	0.°0/ 3.6	18
8 29	0 58.44	+ 8 2.2	2.226	3.063	12.4	20.6
9 8	0 54.89	+ 7 12.2	2.142	3.057	9.5	20.4
9 18	0 49.69	+ 6 8.8	2.081	3.051	6.0	20.2
9 28	0 43.37	+ 4 55.9	2.048	3.045	2.3	19.9
10 8	0 36.61	+ 3 39.0	2.042	3.039	1.7	19.9
10 18	0 30.18	+ 2 24.4	2.066	3.033	5.5	20.1
10 28	0 24.80	+ 1 18.3	2.118	3.028	9.0	20.3
11 7	0 21.04	+ 0 25.3	2.193	3.022	12.1	20.5
390081 2012 UQ_{136}			10 3.8	17.°75	0.°8/ 4.2	18
8 29	1 3.87	+ 5 1.9	0.982	1.867	20.7	18.6
9 8	1 0.41	+ 5 32.7	0.939	1.878	15.8	18.4
9 18	0 53.74	+ 5 48.5	0.914	1.892	10.1	18.1
9 28	0 44.93	+ 5 52.3	0.910	1.908	4.0	17.9
10 8	0 35.55	+ 5 49.4	0.928	1.925	2.5	17.8
10 18	0 27.23	+ 5 46.1	0.969	1.945	8.3	18.3
10 28	0 21.33	+ 5 49.0	1.031	1.966	13.6	18.6
11 7	0 18.60	+ 6 2.6	1.113	1.989	18.0	19.0
3596 Meriones			10 3.8	318.°17	1.°9/ 6.9	18
8 29	0 58.50	+14 3.3	4.135	4.916	8.1	16.4
9 8	0 54.20	+14 16.1	4.039	4.912	6.5	16.3
9 18	0 48.95	+14 21.3	3.968	4.908	4.6	16.1
9 28	0 43.04	+14 19.2	3.925	4.904	2.8	16.0
10 8	0 36.87	+14 11.1	3.911	4.900	1.9	15.9
10 18	0 30.84	+13 58.8	3.928	4.896	3.1	16.0
10 28	0 25.38	+13 44.4	3.975	4.892	5.0	16.2
11 7	0 20.84	+13 30.4	4.050	4.888	6.8	16.3
340529 2006 JU_{38}			10 3.8	262.°73	0.°6/ 4.3	18
8 29	1 2.92	+ 8 43.4	1.869	2.705	14.5	21.4
9 8	0 58.69	+ 8 13.8	1.778	2.691	11.2	21.2
9 18	0 52.33	+ 7 28.8	1.709	2.677	7.3	20.9
9 28	0 44.42	+ 6 31.3	1.666	2.662	3.0	20.6
10 8	0 35.84	+ 5 26.8	1.650	2.647	1.8	20.5
10 18	0 27.57	+ 4 22.0	1.663	2.632	6.3	20.8
10 28	0 20.62	+ 3 24.4	1.702	2.617	10.5	21.0
11 7	0 15.72	+ 2 39.5	1.764	2.602	14.2	21.2
285446 1999 VD_{212}			10 3.8	227.°97	3.°5/ 7.9	18
8 29	1 2.88	+18 39.0	2.374	3.152	13.5	21.4
9 8	0 58.28	+18 21.7	2.273	3.141	11.0	21.2
9 18	0 51.90	+17 46.1	2.194	3.128	8.1	21.0
9 28	0 44.22	+16 52.5	2.140	3.115	5.1	20.7
10 8	0 36.00	+15 44.1	2.115	3.102	3.5	20.6
10 18	0 28.04	+14 25.9	2.119	3.088	5.2	20.7
10 28	0 21.17	+13 4.8	2.152	3.073	8.3	20.9
11 7	0 16.02	+11 47.6	2.210	3.058	11.3	21.0
443304 2014 FD_{24}			10 3.8	98.°20	5.°7/ 9.3	18
8 29	1 7.34	+21 21.0	1.984	2.752	16.1	21.2
9 8	1 1.86	+21 54.1	1.912	2.765	13.4	21.0
9 18	0 54.22	+22 7.0	1.861	2.778	10.3	20.8
9 28	0 45.09	+21 58.5	1.833	2.791	7.4	20.7
10 8	0 35.42	+21 30.0	1.831	2.804	5.7	20.6
10 18	0 26.27	+20 45.9	1.857	2.817	6.7	20.7
10 28	0 18.60	+19 52.9	1.910	2.829	9.3	20.9
11 7	0 13.11	+18 58.7	1.988	2.841	12.2	21.1
402021 2003 SY_{59}			10 3.8	10.°24	6.°2/25.6	18
8 29	0 55.31	− 4 19.4	1.654	2.539	13.6	19.8
9 8	0 52.95	− 7 10.5	1.600	2.542	10.2	19.6
9 18	0 48.64	−10 9.7	1.573	2.546	7.1	19.4
9 28	0 43.01	−13 3.4	1.574	2.551	6.3	19.4
10 8	0 36.94	−15 37.9	1.603	2.557	8.4	19.5
10 18	0 31.34	−17 43.0	1.659	2.564	11.6	19.8
10 28	0 27.09	−19 13.0	1.738	2.571	14.7	20.0
11 7	0 24.79	−20 7.6	1.836	2.579	17.3	20.2
436203 2009 WD_{226}			10 3.8	346.°60	1.°0/ 1.8	18
8 29	0 54.47	+ 0 26.3	4.157	4.999	7.0	21.3
9 8	0 51.16	− 0 0.9	4.077	4.998	5.2	21.2
9 18	0 47.01	− 0 31.5	4.024	4.997	3.2	21.0
9 28	0 42.32	− 1 3.2	3.999	4.996	1.3	20.9
10 8	0 37.44	− 1 33.8	4.004	4.994	1.7	20.9
10 18	0 32.72	− 2 0.7	4.040	4.993	3.7	21.1
10 28	0 28.54	− 2 22.1	4.104	4.992	5.6	21.2
11 7	0 25.18	− 2 36.2	4.194	4.991	7.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188335 2003 QD_{48}			10 3.8	343.°22	3.°6/ 7.9	18
	h m	° ′			°	m
8 29	1 0.46	+17 39.7	2.245	3.036	13.8	19.7
9 8	0 56.48	+17 35.5	2.160	3.035	11.2	19.5
9 18	0 50.74	+17 14.0	2.096	3.034	8.2	19.3
9 28	0 43.79	+16 35.8	2.057	3.033	5.2	19.1
10 8	0 36.36	+15 43.8	2.045	3.032	3.6	19.0
10 18	0 29.28	+14 42.9	2.061	3.031	5.2	19.1
10 28	0 23.32	+13 39.4	2.105	3.030	8.2	19.3
11 7	0 19.09	+12 39.5	2.175	3.030	11.2	19.5
516425 2003 SW_{34}			10 3.8	338.°48	2.°3/ 1.8	18
8 29	0 56.19	+ 3 35.3	1.266	2.150	17.0	20.3
9 8	0 54.35	+ 2 32.9	1.192	2.134	12.9	20.0
9 18	0 49.94	+ 1 12.4	1.138	2.119	8.0	19.7
9 28	0 43.62	− 0 18.8	1.106	2.105	3.2	19.4
10 8	0 36.49	− 1 49.6	1.099	2.092	4.3	19.4
10 18	0 29.83	− 3 8.9	1.116	2.081	9.4	19.7
10 28	0 24.88	− 4 6.8	1.156	2.070	14.4	19.9
11 7	0 22.50	− 4 38.2	1.215	2.062	18.7	20.2
180292 2003 WJ_{119}			10 3.8	287.°05	2.°7/ 1.9	18
8 29	1 6.99	− 0 12.7	1.417	2.285	16.5	20.2
9 8	1 2.37	− 0 38.5	1.339	2.272	12.5	20.0
9 18	0 54.96	− 1 13.6	1.282	2.258	7.9	19.7
9 28	0 45.49	− 1 52.0	1.248	2.245	3.5	19.4
10 8	0 35.13	− 2 26.4	1.241	2.232	4.3	19.4
10 18	0 25.26	− 2 49.7	1.259	2.219	9.1	19.6
10 28	0 17.20	− 2 56.4	1.301	2.206	13.9	19.9
11 7	0 11.87	− 2 43.8	1.364	2.193	18.0	20.1
292860 2006 VW			10 3.8	353.°49	3.°8/ 6.8	18
8 29	0 53.75	+15 22.6	0.988	1.858	21.9	19.3
9 8	0 53.10	+15 9.3	0.924	1.849	17.6	19.0
9 18	0 49.41	+14 22.7	0.875	1.842	12.4	18.7
9 28	0 43.47	+13 4.4	0.846	1.837	6.9	18.4
10 8	0 36.61	+11 23.0	0.838	1.833	3.9	18.2
10 18	0 30.38	+ 9 31.9	0.851	1.832	8.2	18.4
10 28	0 26.28	+ 7 47.4	0.886	1.832	13.8	18.7
11 7	0 25.22	+ 6 22.6	0.941	1.834	18.8	19.0
452095 2014 QM_{35}			10 3.8	23.°65	4.°8/28.5	18
8 29	0 58.78	− 5 29.3	1.872	2.747	12.8	20.7
9 8	0 55.31	− 6 52.1	1.816	2.752	9.6	20.5
9 18	0 50.01	− 8 18.5	1.784	2.757	6.5	20.4
9 28	0 43.51	− 9 40.6	1.778	2.763	4.8	20.3
10 8	0 36.63	−10 50.7	1.800	2.770	6.2	20.4
10 18	0 30.24	−11 42.7	1.848	2.777	9.1	20.6
10 28	0 25.13	−12 12.8	1.920	2.784	12.2	20.8
11 7	0 21.86	−12 20.5	2.014	2.792	14.9	21.0
163313 2002 JG_{75}			10 3.8	80.°37	6.°3/11.1	18
8 29	1 3.81	+25 52.7	1.839	2.593	17.7	20.0
9 8	0 59.28	+25 46.3	1.774	2.614	14.9	19.9
9 18	0 52.58	+25 13.0	1.727	2.634	11.7	19.7
9 28	0 44.47	+24 12.6	1.703	2.654	8.5	19.6
10 8	0 35.95	+22 48.6	1.705	2.674	6.5	19.5
10 18	0 28.08	+21 8.4	1.733	2.694	7.0	19.6
10 28	0 21.80	+19 21.7	1.789	2.714	9.5	19.8
11 7	0 17.73	+17 38.5	1.870	2.733	12.4	20.0
264770 2002 FS_{40}			10 3.8	251.°17	2.°3/ 8.2	18
8 29	0 56.88	+17 26.5	4.521	5.283	7.8	21.1
9 8	0 52.96	+17 34.6	4.423	5.279	6.3	21.0
9 18	0 48.16	+17 34.4	4.349	5.275	4.7	20.9
9 28	0 42.77	+17 26.2	4.302	5.270	3.1	20.8
10 8	0 37.15	+17 11.2	4.285	5.266	2.3	20.7
10 18	0 31.66	+16 50.9	4.298	5.261	3.1	20.8
10 28	0 26.68	+16 27.7	4.340	5.257	4.6	20.9
11 7	0 22.53	+16 4.1	4.411	5.252	6.2	21.0
3060 Delcano			10 3.8	27.°77	5.°6/ 7.2	18
8 29	1 6.79	+14 41.1	1.058	1.907	22.2	15.8
9 8	1 2.76	+15 35.0	1.007	1.917	17.9	15.6
9 18	0 55.38	+16 4.1	0.972	1.928	12.9	15.3
9 28	0 45.64	+16 6.7	0.957	1.941	8.0	15.1
10 8	0 35.12	+15 45.9	0.964	1.954	5.6	15.0
10 18	0 25.55	+15 8.9	0.995	1.969	8.6	15.2
10 28	0 18.45	+14 26.5	1.047	1.984	13.2	15.6
11 7	0 14.70	+13 48.9	1.120	2.001	17.5	15.9
192078 2006 BU_{123}			10 3.8	234.°88	0.°9/ 2.7	18
8 29	1 0.56	+ 3 27.5	2.565	3.405	10.9	20.9
9 8	0 56.28	+ 2 51.3	2.479	3.397	8.2	20.7
9 18	0 50.50	+ 2 7.0	2.417	3.389	5.1	20.5
9 28	0 43.70	+ 1 18.1	2.383	3.381	1.9	20.3
10 8	0 36.50	+ 0 28.8	2.378	3.372	2.1	20.3
10 18	0 29.57	− 0 16.3	2.403	3.364	5.4	20.5
10 28	0 23.58	− 0 52.9	2.456	3.355	8.5	20.7
11 7	0 19.05	− 1 18.2	2.534	3.345	11.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
202850	2008 TM_{78}		10	3.8	309.°73	0.°3/ 3.2 18
	h m	° ′			°	m
8 29	0 54.39	+ 4 6.9	4.326	5.157	7.0	20.6
9 8	0 51.09	+ 3 44.6	4.241	5.154	5.2	20.4
9 18	0 46.98	+ 3 17.7	4.181	5.151	3.3	20.3
9 28	0 42.35	+ 2 48.0	4.151	5.148	1.2	20.1
10 8	0 37.52	+ 2 17.7	4.150	5.145	1.1	20.1
10 18	0 32.84	+ 1 49.0	4.180	5.142	3.2	20.3
10 28	0 28.66	+ 1 24.2	4.239	5.140	5.1	20.4
11 7	0 25.29	+ 1 5.0	4.324	5.137	6.9	20.5
316134	2009 SV_{43}		10	3.8	322.°12	1.°2/ 6.2 18
8 29	0 54.72	+12 23.2	4.145	4.942	7.8	20.9
9 8	0 51.40	+12 8.4	4.053	4.940	6.1	20.8
9 18	0 47.21	+11 45.7	3.987	4.938	4.2	20.6
9 28	0 42.44	+11 16.3	3.948	4.935	2.2	20.5
10 8	0 37.46	+10 42.3	3.939	4.933	1.3	20.4
10 18	0 32.63	+10 5.9	3.960	4.931	2.9	20.6
10 28	0 28.35	+ 9 29.9	4.011	4.928	4.9	20.7
11 7	0 24.91	+ 8 56.8	4.089	4.926	6.8	20.8
257742	2000 AE_{151}		10	3.8	271.°60	1.°8/ 5.9 17
8 29	1 1.69	+12 6.6	2.520	3.328	12.0	21.1
9 8	0 57.32	+11 56.6	2.414	3.307	9.5	20.9
9 18	0 51.29	+11 33.7	2.330	3.285	6.5	20.7
9 28	0 44.05	+10 59.1	2.274	3.263	3.4	20.5
10 8	0 36.26	+10 15.9	2.246	3.241	2.0	20.3
10 18	0 28.64	+ 9 28.0	2.248	3.219	4.8	20.5
10 28	0 21.95	+ 8 40.7	2.278	3.196	8.1	20.7
11 7	0 16.81	+ 7 58.8	2.334	3.173	11.1	20.8
137539	1999 VD_{69}		10	3.8	255.°55	0.°0/ 3.6 18
8 29	1 4.75	+ 7 25.7	1.670	2.514	15.6	20.7
9 8	1 0.36	+ 6 51.7	1.581	2.499	12.0	20.4
9 18	0 53.56	+ 6 1.3	1.513	2.483	7.7	20.1
9 28	0 44.98	+ 4 58.1	1.470	2.468	2.9	19.8
10 8	0 35.59	+ 3 48.8	1.455	2.452	2.1	19.7
10 18	0 26.55	+ 2 41.2	1.467	2.435	7.1	20.0
10 28	0 19.00	+ 1 43.4	1.505	2.418	11.7	20.2
11 7	0 13.79	+ 1 1.4	1.565	2.401	15.8	20.4
264141	2009 UG_{87}		10	3.8	5.°70	3.°6/27.9 17
8 29	0 56.37	−11 0.6	3.519	4.377	7.8	19.1
9 8	0 52.72	−11 36.8	3.455	4.378	6.0	19.0
9 18	0 48.06	−12 11.6	3.418	4.379	4.3	18.9
9 28	0 42.76	−12 41.5	3.409	4.381	3.6	18.8
10 8	0 37.25	−13 3.5	3.428	4.383	4.3	18.9
10 18	0 31.98	−13 15.4	3.475	4.385	6.0	19.0
10 28	0 27.39	−13 15.6	3.550	4.387	7.8	19.1
11 7	0 23.82	−13 3.8	3.647	4.390	9.4	19.2
139682	2001 QM_{207}		10	3.8	354.°36	4.°2/29.6 18
8 29	1 0.28	− 3 7.1	1.736	2.609	13.7	19.3
9 8	0 56.65	− 4 21.0	1.671	2.607	10.2	19.1
9 18	0 50.99	− 5 41.5	1.630	2.606	6.7	18.8
9 28	0 43.94	− 7 0.9	1.614	2.605	4.2	18.7
10 8	0 36.41	− 8 10.8	1.626	2.604	5.6	18.8
10 18	0 29.36	− 9 4.4	1.663	2.604	9.1	19.0
10 28	0 23.71	− 9 36.7	1.726	2.604	12.6	19.2
11 7	0 20.09	− 9 46.5	1.809	2.604	15.6	19.4
456244	2006 PK_5		10	3.8	88.°03	14.°0/11.5 17
8 29	1 18.62	+27 53.8	1.179	1.942	25.3	20.5
9 8	1 12.58	+30 19.0	1.115	1.947	22.2	20.3
9 18	1 2.28	+32 16.1	1.066	1.952	18.9	20.1
9 28	0 48.50	+33 33.0	1.035	1.957	15.9	19.9
10 8	0 33.01	+34 2.4	1.026	1.962	14.1	19.8
10 18	0 18.14	+33 44.7	1.037	1.967	14.4	19.9
10 28	0 6.16	+32 50.6	1.070	1.972	16.6	20.0
11 7	23 58.49	+31 37.0	1.123	1.976	19.4	20.2
441715	2009 BO_9		10	3.8	231.°60	6.°1/10.0 18
8 29	1 6.18	+23 36.9	2.223	2.971	15.2	21.3
9 8	1 1.07	+24 9.2	2.125	2.962	12.9	21.2
9 18	0 53.85	+24 22.3	2.048	2.952	10.2	21.0
9 28	0 45.07	+24 14.0	1.995	2.942	7.7	20.8
10 8	0 35.56	+23 44.9	1.967	2.932	6.2	20.7
10 18	0 26.31	+22 58.0	1.968	2.922	6.9	20.7
10 28	0 18.30	+21 59.4	1.996	2.911	9.2	20.8
11 7	0 12.28	+20 56.7	2.049	2.899	12.0	21.0
17939	1999 HH_8		10	3.8	67.°65	6.°5/ 8.4 18
8 29	1 10.43	+18 43.1	1.304	2.114	20.9	16.7
9 8	1 5.10	+19 32.4	1.246	2.129	17.2	16.5
9 18	0 56.70	+19 56.4	1.206	2.144	12.9	16.3
9 28	0 46.15	+19 52.5	1.187	2.158	8.7	16.1
10 8	0 34.87	+19 23.1	1.191	2.173	6.5	16.1
10 18	0 24.45	+18 34.5	1.221	2.189	8.4	16.2
10 28	0 16.27	+17 37.1	1.275	2.204	12.1	16.5
11 7	0 11.19	+16 41.6	1.351	2.219	15.9	16.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
355598	2008 CO_{195}		10	3.8	46.°71	1.°4/ 5.1 18
	h m	° ′			°	m
8 29	1 3.75	+ 9 39.3	1.910	2.739	14.5	20.9
9 8	0 59.14	+ 9 36.2	1.837	2.744	11.2	20.7
9 18	0 52.52	+ 9 19.4	1.786	2.749	7.4	20.5
9 28	0 44.52	+ 8 51.1	1.760	2.754	3.4	20.3
10 8	0 36.04	+ 8 15.4	1.762	2.759	1.9	20.2
10 18	0 28.02	+ 7 37.5	1.792	2.764	5.7	20.4
10 28	0 21.36	+ 7 2.9	1.849	2.770	9.5	20.7
11 7	0 16.71	+ 6 36.7	1.930	2.775	12.8	20.9
149698	2004 HJ_{38}		10	3.8	72.°17	5.°0/29.8 16
8 29	1 5.72	− 5 2.2	1.475	2.349	15.6	20.0
9 8	1 0.96	− 6 3.2	1.422	2.358	11.7	19.7
9 18	0 53.78	− 7 8.0	1.392	2.366	7.7	19.5
9 28	0 44.99	− 8 8.3	1.386	2.375	5.1	19.4
10 8	0 35.74	− 8 55.5	1.406	2.383	6.4	19.5
10 18	0 27.24	− 9 23.4	1.451	2.392	10.1	19.8
10 28	0 20.53	− 9 28.6	1.521	2.401	13.8	20.0
11 7	0 16.28	− 9 11.3	1.610	2.410	17.1	20.2
487220	2014 OJ_{388}		10	3.8	24.°59	7.°0/ 9.7 17
8 29	1 7.23	+21 35.7	1.809	2.583	17.3	20.9
9 8	1 2.11	+22 44.5	1.739	2.592	14.5	20.7
9 18	0 54.59	+23 33.3	1.688	2.602	11.4	20.5
9 28	0 45.35	+23 59.3	1.661	2.613	8.6	20.4
10 8	0 35.43	+24 2.2	1.658	2.624	7.0	20.3
10 18	0 25.99	+23 45.0	1.682	2.636	7.8	20.4
10 28	0 18.16	+23 14.1	1.732	2.649	10.3	20.6
11 7	0 12.69	+22 37.2	1.805	2.662	13.0	20.8
407580	2011 AZ_{33}		10	3.8	211.°19	6.°9/24.7 18
8 29	1 1.20	−17 30.3	2.488	3.346	10.6	20.9
9 8	0 56.79	−18 45.9	2.433	3.345	8.6	20.7
9 18	0 50.84	−19 55.9	2.402	3.343	7.2	20.7
9 28	0 43.86	−20 54.0	2.399	3.341	6.9	20.6
10 8	0 36.55	−21 34.7	2.422	3.338	8.0	20.7
10 18	0 29.62	−21 54.9	2.471	3.336	9.9	20.8
10 28	0 23.75	−21 53.1	2.543	3.334	11.9	21.0
11 7	0 19.46	−21 30.6	2.635	3.331	13.7	21.1
144816	2004 JL_4		10	3.8	254.°83	3.°4/ 7.9 18
8 29	1 1.09	+18 50.9	2.287	3.070	13.8	20.4
9 8	0 57.06	+18 24.2	2.184	3.054	11.3	20.2
9 18	0 51.22	+17 37.6	2.102	3.038	8.3	20.0
9 28	0 44.07	+16 31.7	2.045	3.021	5.2	19.8
10 8	0 36.36	+15 10.1	2.016	3.005	3.4	19.6
10 18	0 28.90	+13 38.6	2.017	2.987	5.3	19.7
10 28	0 22.53	+12 4.7	2.046	2.970	8.5	19.9
11 7	0 17.89	+10 36.1	2.101	2.952	11.7	20.1
206539	2003 UM_{195}		10	3.8	3.°26	1.°3/ 2.9 18
8 29	1 3.81	+ 2 38.0	1.487	2.352	16.0	19.6
9 8	0 59.67	+ 2 20.9	1.420	2.351	12.1	19.3
9 18	0 53.08	+ 1 53.3	1.375	2.351	7.6	19.1
9 28	0 44.79	+ 1 19.8	1.353	2.352	2.8	18.8
10 8	0 35.89	+ 0 46.7	1.358	2.353	2.9	18.8
10 18	0 27.57	+ 0 20.2	1.388	2.354	7.7	19.1
10 28	0 20.95	+ 0 5.9	1.443	2.357	12.2	19.4
11 7	0 16.76	+ 0 6.9	1.520	2.360	16.0	19.6
132652	2002 LX_{53}		10	3.8	27.°17	2.°6/30.9 18
8 29	0 59.02	+ 0 14.7	2.021	2.883	12.5	19.8
9 8	0 55.41	− 0 50.0	1.956	2.887	9.3	19.6
9 18	0 50.09	− 2 2.6	1.915	2.891	5.8	19.4
9 28	0 43.61	− 3 17.2	1.901	2.896	2.8	19.2
10 8	0 36.76	− 4 27.0	1.914	2.901	3.9	19.3
10 18	0 30.33	− 5 25.8	1.956	2.906	7.2	19.5
10 28	0 25.09	− 6 8.7	2.023	2.911	10.5	19.7
11 7	0 21.58	− 6 33.3	2.113	2.917	13.4	19.9
345489	2006 HO_{119}		10	3.8	325.°92	2.°1/ 6.1 18
8 29	0 57.86	+15 19.7	1.547	2.379	17.2	20.3
9 8	0 55.27	+14 22.5	1.463	2.369	13.6	20.1
9 18	0 50.38	+12 58.1	1.399	2.359	9.4	19.8
9 28	0 43.82	+11 9.9	1.359	2.350	4.7	19.5
10 8	0 36.59	+ 9 6.0	1.345	2.342	2.4	19.4
10 18	0 29.79	+ 6 57.5	1.358	2.334	6.6	19.6
10 28	0 24.51	+ 4 57.0	1.398	2.326	11.3	19.9
11 7	0 21.50	+ 3 14.6	1.460	2.319	15.4	20.1
43052	1999 VJ_{71}		10	3.8	35.°10	1.°9/ 2.6 18 R
8 29	1 5.26	+ 2 20.0	1.118	1.998	19.1	18.8
9 8	1 1.20	+ 1 53.3	1.071	2.010	14.3	18.6
9 18	0 54.19	+ 1 13.8	1.044	2.023	8.9	18.3
9 28	0 45.20	+ 0 28.4	1.038	2.036	3.4	18.1
10 8	0 35.69	− 0 14.2	1.056	2.051	3.8	18.1
10 18	0 27.14	− 0 45.8	1.099	2.066	9.1	18.5
10 28	0 20.82	− 1 0.3	1.163	2.082	14.0	18.8
11 7	0 17.44	− 0 55.4	1.248	2.098	18.1	19.1

392841 2012 UY_{28} 10 3.8 346.°75 0.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.87	+ 0 39.5	1.178	2.052	18.7	19.0
9 8	1 4.34	+ 1 25.9	1.105	2.040	14.4	18.7
9 18	0 56.53	+ 2 7.6	1.052	2.029	9.2	18.4
9 28	0 46.24	+ 2 46.7	1.021	2.019	3.5	18.0
10 8	0 34.86	+ 3 25.7	1.014	2.011	2.7	17.9
10 18	0 24.08	+ 4 7.5	1.032	2.005	8.7	18.3
10 28	0 15.49	+ 4 54.7	1.074	2.000	14.1	18.6
11 7	0 10.14	+ 5 49.7	1.135	1.996	18.7	18.8

400687 2009 QB_{32} 10 3.8 358.°55 3.°9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.65	− 3 1.5	1.949	2.819	12.5	19.9
9 8	0 55.24	− 4 19.5	1.883	2.818	9.4	19.7
9 18	0 50.03	− 5 43.7	1.842	2.817	6.1	19.5
9 28	0 43.62	− 7 7.0	1.827	2.817	3.9	19.4
10 8	0 36.78	− 8 21.7	1.839	2.817	5.2	19.5
10 18	0 30.36	− 9 21.3	1.879	2.817	8.4	19.7
10 28	0 25.15	−10 1.2	1.944	2.817	11.6	19.9
11 7	0 21.73	−10 19.8	2.030	2.818	14.4	20.1

201167 2002 NU_{30} 10 3.8 98.°62 0.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.44	+ 6 0.1	2.461	3.296	11.5	20.4
9 8	0 56.15	+ 5 18.9	2.395	3.309	8.6	20.3
9 18	0 50.40	+ 4 28.1	2.353	3.323	5.4	20.1
9 28	0 43.71	+ 3 31.4	2.338	3.336	1.9	19.9
10 8	0 36.74	+ 2 33.4	2.353	3.349	1.7	19.9
10 18	0 30.16	+ 1 39.1	2.397	3.362	5.0	20.2
10 28	0 24.60	+ 0 52.9	2.469	3.374	8.2	20.4
11 7	0 20.54	+ 0 18.1	2.567	3.387	10.8	20.6

379569 2011 BK_8 10 3.8 235.°88 0.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.94	+ 6 18.7	1.745	2.588	15.1	22.4
9 8	1 1.14	+ 5 49.8	1.660	2.578	11.5	22.2
9 18	0 54.00	+ 5 6.9	1.596	2.567	7.4	21.9
9 28	0 45.18	+ 4 13.7	1.558	2.556	2.7	21.6
10 8	0 35.64	+ 3 16.1	1.548	2.544	2.1	21.5
10 18	0 26.49	+ 2 21.2	1.565	2.532	6.9	21.8
10 28	0 18.81	+ 1 35.8	1.609	2.520	11.3	22.0
11 7	0 13.38	+ 1 5.0	1.675	2.507	15.1	22.3

52205 3247 $T\text{-}3$ 10 3.8 38.°40 1.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.62	+ 5 58.4	1.119	1.995	19.3	18.9
9 8	0 59.17	+ 5 11.2	1.074	2.010	14.6	18.7
9 18	0 52.88	+ 4 5.6	1.048	2.026	9.1	18.4
9 28	0 44.72	+ 2 49.3	1.044	2.043	3.2	18.2
10 8	0 36.08	+ 1 33.0	1.064	2.060	3.1	18.2
10 18	0 28.38	+ 0 27.0	1.108	2.078	8.6	18.6
10 28	0 22.82	− 0 20.4	1.176	2.097	13.6	18.9
11 7	0 20.07	− 0 45.1	1.263	2.116	17.7	19.3

324866 2007 TZ_{125} 10 3.8 274.°64 0.°8/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.66	+ 4 35.6	1.386	2.246	17.3	21.5
9 8	1 2.22	+ 4 15.1	1.308	2.236	13.2	21.2
9 18	0 54.96	+ 3 40.2	1.250	2.225	8.4	20.9
9 28	0 45.61	+ 2 55.3	1.216	2.214	3.1	20.6
10 8	0 35.35	+ 2 7.4	1.208	2.204	2.8	20.5
10 18	0 25.59	+ 1 24.5	1.225	2.193	8.2	20.8
10 28	0 17.67	+ 0 53.9	1.266	2.182	13.3	21.1
11 7	0 12.51	+ 0 40.7	1.329	2.172	17.6	21.3

299651 2006 KO_{103} 10 3.8 114.°46 4.°0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.51	+19 7.0	2.069	2.851	15.1	20.9
9 8	0 59.60	+18 59.6	1.998	2.866	12.3	20.7
9 18	0 52.76	+18 32.4	1.947	2.880	9.0	20.6
9 28	0 44.64	+17 46.2	1.920	2.894	5.8	20.4
10 8	0 36.11	+16 44.5	1.922	2.907	4.0	20.3
10 18	0 28.08	+15 33.1	1.951	2.920	5.6	20.4
10 28	0 21.40	+14 19.4	2.009	2.932	8.7	20.6
11 7	0 16.68	+13 10.4	2.092	2.945	11.7	20.9

316893 2000 SD_{100} 10 3.8 335.°44 1.°6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.26	+ 9 14.0	1.360	2.216	17.8	19.4
9 8	0 58.93	+ 9 15.7	1.283	2.205	13.9	19.2
9 18	0 52.89	+ 8 59.6	1.225	2.194	9.3	18.9
9 28	0 44.84	+ 8 27.9	1.190	2.185	4.2	18.6
10 8	0 35.92	+ 7 45.7	1.179	2.176	2.3	18.4
10 18	0 27.46	+ 7 0.3	1.193	2.168	7.3	18.7
10 28	0 20.77	+ 6 20.2	1.231	2.161	12.3	19.0
11 7	0 16.75	+ 5 52.3	1.290	2.155	16.7	19.2

249226 2008 FF_{100} 10 3.8 105.°16 2.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.90	+ 0 14.1	2.188	3.043	12.0	20.4
9 8	0 56.70	− 0 42.5	2.123	3.050	8.9	20.3
9 18	0 50.85	− 1 46.2	2.081	3.056	5.5	20.1
9 28	0 43.92	− 2 51.6	2.068	3.063	2.6	19.9
10 8	0 36.64	− 3 52.9	2.082	3.070	3.5	20.0
10 18	0 29.78	− 4 44.5	2.126	3.076	6.7	20.2
10 28	0 24.06	− 5 22.2	2.195	3.082	9.9	20.4
11 7	0 20.01	− 5 43.7	2.289	3.089	12.6	20.6

443698 2015 KS_{108} 10 3.8 355.°45 6.°9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.58	− 9 41.8	1.526	2.405	14.9	20.1
9 8	0 59.43	−10 57.2	1.469	2.404	11.5	19.8
9 18	0 52.89	−12 12.7	1.435	2.403	8.3	19.7
9 28	0 44.74	−13 18.6	1.425	2.402	6.9	19.6
10 8	0 36.06	−14 6.1	1.440	2.402	8.4	19.7
10 18	0 28.01	−14 29.2	1.480	2.402	11.5	19.9
10 28	0 21.64	−14 25.3	1.543	2.402	14.9	20.1
11 7	0 17.64	−13 55.7	1.624	2.402	17.9	20.3

485349 2011 CN_{39} 10 3.8 281.°42 1.°7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.39	+ 9 41.2	2.399	3.212	12.4	20.8
9 8	1 0.17	+ 9 58.7	2.304	3.201	9.7	20.6
9 18	0 53.15	+10 6.2	2.232	3.189	6.6	20.4
9 28	0 44.84	+10 4.4	2.186	3.177	3.3	20.1
10 8	0 35.95	+ 9 55.6	2.170	3.165	2.0	20.0
10 18	0 27.31	+ 9 42.7	2.184	3.154	5.0	20.2
10 28	0 19.72	+ 9 29.6	2.225	3.142	8.3	20.4
11 7	0 13.82	+ 9 20.2	2.293	3.130	11.3	20.6

12667 1979 DF 10 3.8 212.°20 3.°5/30.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.79	− 5 26.8	2.217	3.067	12.0	18.2
9 8	1 1.95	− 5 56.6	2.139	3.061	9.1	18.0
9 18	0 54.22	− 6 28.5	2.085	3.055	6.0	17.8
9 28	0 45.21	− 6 57.5	2.058	3.048	3.7	17.6
10 8	0 35.72	− 7 18.8	2.061	3.040	4.6	17.7
10 18	0 26.63	− 7 28.5	2.093	3.032	7.5	17.9
10 28	0 18.77	− 7 23.9	2.152	3.024	10.7	18.0
11 7	0 12.78	− 7 4.2	2.234	3.015	13.5	18.2

396791 2004 HP_{29} 10 3.8 74.°69 2.°8/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.82	+16 39.7	2.063	2.859	14.7	21.1
9 8	0 58.87	+16 7.7	2.009	2.891	11.6	20.9
9 18	0 52.16	+15 17.3	1.977	2.922	8.1	20.8
9 28	0 44.38	+14 11.2	1.971	2.954	4.6	20.6
10 8	0 36.37	+12 54.4	1.992	2.984	2.8	20.6
10 18	0 28.98	+11 33.7	2.043	3.015	5.1	20.8
10 28	0 22.95	+10 16.1	2.122	3.045	8.3	21.0
11 7	0 18.78	+ 9 7.7	2.227	3.075	11.3	21.3

356905 2011 YC_{75} 10 3.8 289.°22 1.°4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 54.26	− 1 6.0	4.215	5.061	6.8	21.2
9 8	0 51.06	− 1 41.7	4.131	5.053	5.1	21.0
9 18	0 47.04	− 2 20.4	4.072	5.046	3.2	20.9
9 28	0 42.46	− 2 59.8	4.043	5.038	1.5	20.7
10 8	0 37.69	− 3 37.1	4.044	5.030	2.1	20.8
10 18	0 33.06	− 4 10.1	4.075	5.022	3.9	20.9
10 28	0 28.94	− 4 36.4	4.135	5.015	5.8	21.0
11 7	0 25.63	− 4 54.6	4.220	5.007	7.5	21.2

321887 2010 SL_{30} 10 3.8 11.°26 1.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.64	+ 4 8.8	1.202	2.074	18.6	20.3
9 8	1 1.59	+ 3 49.9	1.141	2.074	14.2	20.1
9 18	0 54.57	+ 3 16.2	1.098	2.075	8.9	19.8
9 28	0 45.45	+ 2 33.2	1.079	2.077	3.3	19.5
10 8	0 35.59	+ 1 48.7	1.083	2.079	3.0	19.5
10 18	0 26.46	+ 1 10.9	1.112	2.082	8.6	19.8
10 28	0 19.44	+ 0 47.3	1.164	2.085	13.8	20.1
11 7	0 15.35	+ 0 41.9	1.237	2.089	18.1	20.4

390919 2005 EF_{205} 10 3.8 221.°96 1.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.08	+ 2 31.3	1.973	2.822	13.3	20.8
9 8	0 59.37	+ 2 0.6	1.896	2.819	10.0	20.6
9 18	0 52.70	+ 1 20.8	1.843	2.816	6.3	20.4
9 28	0 44.67	+ 0 36.2	1.815	2.813	2.4	20.1
10 8	0 36.14	− 0 7.7	1.816	2.809	2.7	20.1
10 18	0 28.01	− 0 45.5	1.844	2.805	6.6	20.4
10 28	0 21.18	− 1 12.3	1.900	2.802	10.4	20.6
11 7	0 16.29	− 1 25.1	1.979	2.798	13.6	20.8

215076 2009 FP_3 10 3.9 114.°45 0.°5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.79	+ 6 16.0	1.954	2.798	13.6	20.9
9 8	0 57.61	+ 5 31.4	1.883	2.801	10.3	20.7
9 18	0 51.56	+ 4 34.2	1.834	2.805	6.5	20.5
9 28	0 44.23	+ 3 28.7	1.811	2.809	2.3	20.2
10 8	0 36.47	+ 2 21.1	1.816	2.812	2.0	20.2
10 18	0 29.15	+ 1 17.9	1.850	2.816	6.2	20.5
10 28	0 23.11	+ 0 25.2	1.911	2.819	9.9	20.7
11 7	0 18.95	− 0 12.8	1.995	2.822	13.2	20.9

477039 2009 AD_{24} 10 3.9 291.°52 2.°9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.45	+ 0 4.4	1.725	2.589	14.2	21.5
9 8	0 58.62	− 0 50.1	1.634	2.566	10.7	21.2
9 18	0 52.51	− 1 55.4	1.565	2.542	6.8	20.9
9 28	0 44.70	− 3 5.5	1.522	2.518	3.3	20.6
10 8	0 36.09	− 4 12.4	1.506	2.493	4.4	20.7
10 18	0 27.76	− 5 8.4	1.516	2.469	8.6	20.9
10 28	0 20.79	− 5 46.9	1.551	2.445	12.8	21.0
11 7	0 15.99	− 6 4.3	1.608	2.421	16.5	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
151322 2002 CO_{136}			10 3.9	294.°90	6.°2/26.2	18
8 29	0 59.53	− 9 57.4	2.009	2.882	12.1	19.6
9 8	0 55.94	−11 39.6	1.945	2.875	9.4	19.5
9 18	0 50.53	−13 23.2	1.905	2.868	7.0	19.3
9 28	0 43.86	−14 59.4	1.892	2.861	6.3	19.3
10 8	0 36.73	−16 20.0	1.906	2.854	7.7	19.3
10 18	0 29.98	−17 18.7	1.947	2.848	10.4	19.5
10 28	0 24.43	−17 52.1	2.011	2.841	13.1	19.7
11 7	0 20.68	−18 0.1	2.095	2.834	15.6	19.8
385792 2006 BV_{127}			10 3.9	150.°42	4.°3/28.9	16
8 29	1 2.66	− 3 50.3	1.979	2.842	12.7	21.5
9 8	0 58.20	− 5 22.0	1.918	2.849	9.5	21.3
9 18	0 51.89	− 6 59.2	1.882	2.855	6.2	21.1
9 28	0 44.35	− 8 34.0	1.874	2.860	4.3	21.0
10 8	0 36.42	− 9 58.3	1.893	2.866	5.7	21.1
10 18	0 28.97	−11 5.5	1.941	2.870	8.7	21.3
10 28	0 22.82	−11 51.1	2.014	2.875	11.8	21.5
11 7	0 18.53	−12 14.1	2.109	2.879	14.6	21.7
506751 2006 VK_{85}			10 3.9	282.°57	9.°1/26.5	18
8 29	1 7.85	−15 2.5	1.507	2.380	15.4	20.9
9 8	1 2.99	−16 18.9	1.437	2.362	12.5	20.7
9 18	0 55.39	−17 31.3	1.388	2.343	9.9	20.5
9 28	0 45.80	−18 28.7	1.364	2.325	9.1	20.4
10 8	0 35.39	−19 1.5	1.364	2.307	10.7	20.5
10 18	0 25.50	−19 3.5	1.387	2.288	13.7	20.6
10 28	0 17.43	−18 33.2	1.432	2.270	17.1	20.8
11 7	0 12.03	−17 33.5	1.495	2.251	20.1	20.9
389480 2010 EA_{99}			10 3.9	163.°48	1.°5/ 2.1	18
8 29	1 2.81	+ 3 23.7	2.157	3.001	12.5	22.2
9 8	0 58.20	+ 2 23.4	2.085	3.006	9.4	22.0
9 18	0 51.86	+ 1 12.9	2.037	3.010	5.8	21.8
9 28	0 44.35	− 0 2.6	2.017	3.014	2.2	21.6
10 8	0 36.45	− 1 16.7	2.025	3.017	2.8	21.6
10 18	0 28.97	− 2 23.3	2.063	3.020	6.4	21.9
10 28	0 22.67	− 3 16.9	2.129	3.022	9.8	22.1
11 7	0 18.11	− 3 54.3	2.218	3.024	12.8	22.3
95209 2002 CW			10 3.9	88.°70	4.°4/ 9.0	18
8 29	1 2.07	+20 28.6	2.192	2.967	14.6	19.8
9 8	0 57.77	+20 27.9	2.114	2.975	12.0	19.6
9 18	0 51.64	+20 7.9	2.057	2.983	9.0	19.4
9 28	0 44.29	+19 28.7	2.024	2.991	6.1	19.3
10 8	0 36.49	+18 33.3	2.018	2.999	4.4	19.2
10 18	0 29.10	+17 26.7	2.040	3.007	5.6	19.3
10 28	0 22.94	+16 15.7	2.090	3.015	8.3	19.5
11 7	0 18.59	+15 7.1	2.166	3.023	11.2	19.7
507834 2014 EX_{41}			10 3.9	270.°53	2.°7/28.4	18
8 29	0 54.99	− 8 58.5	4.320	5.175	6.5	21.0
9 8	0 51.59	− 9 36.4	4.246	5.169	5.0	20.9
9 18	0 47.37	−10 14.1	4.198	5.162	3.5	20.8
9 28	0 42.62	−10 48.8	4.179	5.156	2.7	20.8
10 8	0 37.67	−11 18.1	4.189	5.150	3.4	20.8
10 18	0 32.88	−11 39.7	4.228	5.144	4.8	20.9
10 28	0 28.61	−11 52.0	4.295	5.137	6.4	21.0
11 7	0 25.15	−11 54.3	4.387	5.131	7.9	21.1
385756 2005 YW_{30}			10 3.9	317.°63	0.°2/ 4.0	18
8 29	1 2.22	+ 7 0.6	1.400	2.260	17.1	21.1
9 8	0 58.89	+ 6 43.4	1.317	2.244	13.2	20.8
9 18	0 52.90	+ 6 9.4	1.255	2.228	8.6	20.5
9 28	0 44.90	+ 5 22.0	1.215	2.213	3.3	20.2
10 8	0 36.00	+ 4 27.7	1.201	2.198	2.2	20.1
10 18	0 27.49	+ 3 34.7	1.212	2.184	7.7	20.4
10 28	0 20.68	+ 2 51.4	1.247	2.171	12.8	20.6
11 7	0 16.47	+ 2 24.1	1.303	2.158	17.2	20.9
357309 2003 BY_{40}			10 3.9	170.°16	7.°0/24.9	18
8 29	1 1.90	−15 13.6	2.235	3.099	11.4	21.4
9 8	0 57.50	−16 48.1	2.183	3.101	9.1	21.3
9 18	0 51.40	−18 18.5	2.155	3.102	7.4	21.2
9 28	0 44.17	−19 37.1	2.154	3.104	7.1	21.1
10 8	0 36.58	−20 37.3	2.181	3.105	8.4	21.2
10 18	0 29.42	−21 14.6	2.233	3.106	10.5	21.4
10 28	0 23.44	−21 27.5	2.308	3.106	12.7	21.5
11 7	0 19.17	−21 17.0	2.403	3.107	14.7	21.7
266902 2009 WH_{146}			10 3.9	350.°20	3.°2/30.5	18
8 29	0 59.40	− 2 2.4	1.907	2.776	12.9	20.3
9 8	0 55.89	− 2 55.8	1.838	2.771	9.6	20.1
9 18	0 50.52	− 3 55.6	1.791	2.768	6.1	19.9
9 28	0 43.88	− 4 55.7	1.771	2.764	3.4	19.7
10 8	0 36.78	− 5 49.4	1.778	2.762	4.5	19.7
10 18	0 30.09	− 6 30.9	1.811	2.759	7.9	20.0
10 28	0 24.64	− 6 55.8	1.870	2.758	11.3	20.2
11 7	0 21.04	− 7 2.1	1.951	2.756	14.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
469801 2005 SO_{38}			10 3.9	44.°91	0.°2/ 4.0	16
8 29	1 2.82	+ 8 41.5	1.237	2.099	18.8	21.1
9 8	0 59.15	+ 7 57.6	1.189	2.116	14.3	20.9
9 18	0 52.82	+ 6 53.6	1.160	2.133	9.1	20.7
9 28	0 44.75	+ 5 35.8	1.153	2.151	3.5	20.4
10 8	0 36.23	+ 4 13.6	1.172	2.169	2.3	20.4
10 18	0 28.57	+ 2 57.5	1.216	2.188	7.7	20.8
10 28	0 22.89	+ 1 56.3	1.284	2.208	12.5	21.1
11 7	0 19.86	+ 1 15.6	1.373	2.227	16.5	21.4
365908 2011 WC_{89}			10 3.9	242.°43	2.°6/30.8	13 C
8 29	1 3.37	− 2 33.9	2.519	3.368	10.8	22.6
9 8	0 58.52	− 3 15.0	2.429	3.352	8.1	22.4
9 18	0 52.05	− 4 0.7	2.364	3.337	5.2	22.2
9 28	0 44.45	− 4 46.7	2.328	3.320	2.8	22.0
10 8	0 36.38	− 5 28.3	2.320	3.303	3.7	22.1
10 18	0 28.56	− 6 0.9	2.342	3.286	6.6	22.2
10 28	0 21.71	− 6 21.2	2.391	3.269	9.6	22.4
11 7	0 16.41	− 6 27.2	2.465	3.250	12.2	22.6
403744 2011 AJ_{16}			10 3.9	275.°65	2.°8/ 6.8	17
8 29	1 2.57	+14 23.9	2.389	3.188	12.8	21.0
9 8	0 58.13	+14 29.0	2.289	3.173	10.3	20.8
9 18	0 51.92	+14 20.1	2.211	3.158	7.3	20.6
9 28	0 44.44	+13 57.9	2.160	3.143	4.3	20.3
10 8	0 36.37	+13 24.6	2.136	3.127	2.8	20.2
10 18	0 28.52	+12 44.1	2.141	3.112	5.0	20.3
10 28	0 21.69	+12 1.4	2.174	3.096	8.2	20.5
11 7	0 16.52	+11 21.8	2.233	3.080	11.2	20.7
452000 2014 OQ_{45}			10 3.9	339.°70	1.°7/ 2.1	17
8 29	1 0.33	+ 2 7.5	1.938	2.796	13.2	21.6
9 8	0 56.60	+ 1 25.8	1.863	2.791	9.9	21.4
9 18	0 50.98	+ 0 34.7	1.811	2.787	6.1	21.2
9 28	0 44.07	− 0 20.9	1.785	2.783	2.4	21.0
10 8	0 36.68	− 1 15.0	1.787	2.779	3.0	21.0
10 18	0 29.67	− 2 1.6	1.816	2.776	6.8	21.2
10 28	0 23.90	− 2 35.5	1.871	2.772	10.5	21.4
11 7	0 19.99	− 2 53.7	1.949	2.770	13.7	21.6
70864 1999 VB_{146}			10 3.9	281.°61	2.°1/ 2.3	18
8 29	1 5.42	+ 1 59.4	1.454	2.319	16.3	18.7
9 8	1 1.13	+ 1 23.2	1.379	2.310	12.4	18.5
9 18	0 54.20	+ 0 35.1	1.325	2.301	7.8	18.2
9 28	0 45.37	− 0 19.2	1.295	2.292	3.1	17.9
10 8	0 35.76	− 1 12.0	1.291	2.284	3.7	17.9
10 18	0 26.66	− 1 55.2	1.313	2.275	8.6	18.2
10 28	0 19.28	− 2 22.5	1.359	2.266	13.2	18.4
11 7	0 14.49	− 2 30.1	1.426	2.258	17.3	18.6
77534 2001 HL_{61}			10 3.9	94.°67	0.°0/ 3.7	18
8 29	1 4.70	+ 6 10.9	1.826	2.668	14.5	19.6
9 8	0 59.98	+ 5 54.0	1.753	2.670	11.1	19.3
9 18	0 53.17	+ 5 25.1	1.702	2.672	7.1	19.1
9 28	0 44.90	+ 4 47.5	1.677	2.674	2.7	18.8
10 8	0 36.12	+ 4 6.4	1.680	2.677	1.9	18.8
10 18	0 27.82	+ 3 27.4	1.710	2.679	6.3	19.1
10 28	0 20.93	+ 2 56.1	1.767	2.681	10.3	19.3
11 7	0 16.14	+ 2 36.7	1.847	2.683	13.7	19.6
382607 2002 JA_{108}			10 3.9	150.°67	21.°6/22.0	17
8 29	1 27.49	−39 16.4	1.071	1.891	23.9	20.8
9 8	1 18.82	−40 59.2	1.050	1.894	22.5	20.7
9 18	1 5.55	−42 2.6	1.043	1.897	21.7	20.6
9 28	0 49.47	−42 9.5	1.051	1.899	21.8	20.7
10 8	0 33.15	−41 12.5	1.076	1.901	22.7	20.7
10 18	0 19.07	−39 15.0	1.118	1.903	24.3	20.9
10 28	0 8.91	−36 28.6	1.174	1.905	26.0	21.0
11 7	0 3.24	−33 8.7	1.243	1.906	27.7	21.2
67684 2000 SX_{298}			10 3.9	234.°04	3.°9/ 6.7	18
8 29	1 8.40	+14 22.1	1.514	2.334	18.1	20.0
9 8	1 3.46	+14 42.1	1.434	2.329	14.5	19.7
9 18	0 55.76	+14 42.3	1.372	2.324	10.4	19.5
9 28	0 45.99	+14 22.2	1.334	2.319	6.0	19.2
10 8	0 35.32	+13 44.9	1.321	2.313	4.0	19.1
10 18	0 25.12	+12 56.3	1.335	2.307	7.1	19.3
10 28	0 16.72	+12 5.1	1.375	2.301	11.5	19.5
11 7	0 11.02	+11 19.7	1.436	2.295	15.6	19.7
439538 2014 DY			10 3.9	99.°52	4.°7/28.8	18
8 29	1 1.75	− 3 44.7	1.788	2.658	13.5	20.7
9 8	0 57.67	− 5 23.7	1.734	2.668	10.1	20.5
9 18	0 51.63	− 7 8.6	1.703	2.677	6.7	20.3
9 28	0 44.30	− 8 50.3	1.700	2.687	4.7	20.2
10 8	0 36.58	−10 19.8	1.724	2.696	6.2	20.3
10 18	0 29.41	−11 29.8	1.775	2.705	9.4	20.5
10 28	0 23.64	−12 15.9	1.851	2.714	12.6	20.8
11 7	0 19.85	−12 37.3	1.947	2.723	15.4	21.0

437730 2014 DO_{137} 10 3.9 290.°08 1.°3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.32	− 0 31.5	4.243	5.088	6.8	21.3
9 8	0 51.12	− 1 6.7	4.163	5.085	5.1	21.2
9 18	0 47.10	− 1 45.0	4.109	5.082	3.1	21.0
9 28	0 42.54	− 2 24.2	4.085	5.080	1.5	20.9
10 8	0 37.79	− 3 1.5	4.090	5.077	1.9	20.9
10 18	0 33.21	− 3 34.7	4.126	5.075	3.8	21.1
10 28	0 29.13	− 4 1.5	4.190	5.072	5.7	21.2
11 7	0 25.86	− 4 20.4	4.280	5.070	7.4	21.3

150211 1998 SC_{76} 10 3.9 76.°62 4.°9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.32	+21 7.8	2.245	3.009	14.6	20.0
9 8	1 0.10	+21 27.3	2.180	3.031	12.0	19.8
9 18	0 53.05	+21 28.4	2.135	3.053	9.2	19.7
9 28	0 44.82	+21 10.7	2.116	3.075	6.5	19.6
10 8	0 36.21	+20 36.5	2.123	3.097	4.9	19.5
10 18	0 28.11	+19 49.8	2.158	3.119	5.8	19.6
10 28	0 21.30	+18 56.7	2.221	3.141	8.2	19.8
11 7	0 16.35	+18 3.7	2.310	3.162	10.7	20.0

24686 1990 GN 10 3.9 203.°73 0.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.92	+ 7 24.6	1.874	2.706	14.6	19.3
9 8	1 1.71	+ 6 59.2	1.791	2.702	11.2	19.1
9 18	0 54.31	+ 6 20.1	1.730	2.698	7.2	18.9
9 28	0 45.36	+ 5 30.6	1.696	2.692	2.8	18.6
10 8	0 35.80	+ 4 36.0	1.690	2.687	1.8	18.5
10 18	0 26.64	+ 3 42.6	1.712	2.680	6.3	18.8
10 28	0 18.90	+ 2 57.0	1.761	2.673	10.5	19.0
11 7	0 13.30	+ 2 23.9	1.835	2.665	14.0	19.2

187748 1993 FW_{33} 10 3.9 156.°02 1.°6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.00	+ 2 22.4	1.812	2.661	14.3	21.0
9 8	1 1.67	+ 1 43.8	1.744	2.667	10.8	20.8
9 18	0 54.20	+ 0 55.5	1.699	2.672	6.7	20.6
9 28	0 45.28	+ 0 2.6	1.680	2.677	2.6	20.3
10 8	0 35.89	− 0 48.7	1.689	2.682	3.0	20.4
10 18	0 27.04	− 1 32.1	1.726	2.686	7.2	20.7
10 28	0 19.68	− 2 2.5	1.790	2.689	11.1	20.9
11 7	0 14.48	− 2 16.9	1.876	2.692	14.4	21.1

453452 2009 RC_{45} 10 3.9 310.°70 0.°3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.34	+ 5 47.5	2.244	3.076	12.5	21.1
9 8	0 59.39	+ 5 47.5	2.162	3.074	9.5	20.9
9 18	0 52.66	+ 5 38.5	2.104	3.071	6.1	20.7
9 28	0 44.71	+ 5 22.9	2.072	3.068	2.4	20.5
10 8	0 36.28	+ 5 3.9	2.069	3.066	1.5	20.4
10 18	0 28.19	+ 4 45.4	2.095	3.064	5.3	20.7
10 28	0 21.25	+ 4 31.3	2.149	3.061	8.8	20.9
11 7	0 16.05	+ 4 24.9	2.228	3.059	11.9	21.1

181981 1999 VC_{71} 10 3.9 5.°06 1.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.77	+ 2 11.1	1.400	2.277	16.1	19.1
9 8	0 55.98	+ 1 41.8	1.340	2.278	12.1	18.9
9 18	0 50.84	+ 1 1.3	1.300	2.279	7.5	18.6
9 28	0 44.07	+ 0 15.4	1.284	2.283	2.9	18.3
10 8	0 36.76	− 0 28.4	1.293	2.287	3.4	18.4
10 18	0 30.03	− 1 3.2	1.327	2.293	8.0	18.7
10 28	0 24.94	− 1 23.1	1.385	2.301	12.4	19.0
11 7	0 22.18	− 1 25.1	1.464	2.310	16.1	19.2

269356 2008 UF_{90} 10 3.9 10.°27 1.°3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.61	+11 56.6	3.777	4.579	8.5	20.2
9 8	0 52.20	+11 46.5	3.691	4.580	6.6	20.0
9 18	0 47.84	+11 28.2	3.630	4.582	4.5	19.9
9 28	0 42.84	+11 3.0	3.596	4.584	2.4	19.7
10 8	0 37.62	+10 32.9	3.592	4.587	1.4	19.7
10 18	0 32.58	+10 0.3	3.618	4.589	3.1	19.8
10 28	0 28.14	+ 9 28.2	3.673	4.592	5.3	20.0
11 7	0 24.64	+ 8 59.3	3.755	4.595	7.3	20.1

134003 Ingridgalinsky 10 3.9 270.°03 2.°6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.74	+13 30.4	2.484	3.283	12.4	20.3
9 8	0 58.98	+13 39.5	2.380	3.265	9.9	20.1
9 18	0 52.47	+13 36.1	2.299	3.247	7.0	19.9
9 28	0 44.68	+13 20.5	2.245	3.229	4.0	19.7
10 8	0 36.29	+12 54.8	2.219	3.210	2.6	19.5
10 18	0 28.09	+12 22.4	2.222	3.192	4.9	19.7
10 28	0 20.86	+11 47.9	2.253	3.173	8.1	19.8
11 7	0 15.25	+11 16.1	2.311	3.154	11.1	20.0

400644 2009 FA_{50} 10 3.9 273.°28 4.°1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.51	− 3 44.3	1.971	2.835	12.7	21.4
9 8	0 58.37	− 4 53.7	1.883	2.814	9.6	21.2
9 18	0 52.22	− 6 10.0	1.819	2.793	6.3	20.9
9 28	0 44.61	− 7 26.7	1.782	2.771	4.1	20.7
10 8	0 36.35	− 8 35.8	1.772	2.749	5.5	20.8
10 18	0 28.36	− 9 30.7	1.790	2.726	8.8	20.9
10 28	0 21.58	−10 6.0	1.833	2.704	12.3	21.1
11 7	0 16.72	−10 19.7	1.897	2.681	15.5	21.3

11464 Moser 10 3.9 310.°59 0.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.73	+ 5 35.0	1.850	2.701	14.0	18.8
9 8	0 57.24	+ 5 6.0	1.751	2.674	10.7	18.5
9 18	0 51.64	+ 4 23.8	1.674	2.646	6.9	18.2
9 28	0 44.44	+ 3 31.8	1.622	2.620	2.5	17.9
10 8	0 36.47	+ 2 35.5	1.597	2.593	2.2	17.8
10 18	0 28.70	+ 1 41.6	1.599	2.567	6.7	18.1
10 28	0 22.15	+ 0 56.9	1.627	2.541	11.0	18.3
11 7	0 17.61	+ 0 26.5	1.678	2.515	14.8	18.5

224094 2005 OM_{11} 10 3.9 0.°33 1.°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.14	+ 7 37.7	1.031	1.909	20.5	19.4
9 8	0 59.43	+ 8 3.8	0.971	1.905	15.9	19.1
9 18	0 53.50	+ 8 12.3	0.928	1.903	10.6	18.8
9 28	0 45.20	+ 8 4.9	0.906	1.902	4.7	18.5
10 8	0 35.98	+ 7 46.8	0.906	1.903	2.6	18.4
10 18	0 27.49	+ 7 25.2	0.928	1.906	8.3	18.7
10 28	0 21.27	+ 7 8.6	0.973	1.910	13.8	19.0
11 7	0 18.25	+ 7 3.6	1.036	1.916	18.6	19.3

60257 1999 WB_{25} 10 3.9 243.°85 0.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.96	+ 2 56.7	4.324	5.157	6.9	20.2
9 8	0 51.59	+ 2 32.3	4.240	5.155	5.2	20.0
9 18	0 47.40	+ 2 3.8	4.182	5.153	3.2	19.9
9 28	0 42.69	+ 1 32.9	4.153	5.151	1.2	19.7
10 8	0 37.78	+ 1 2.1	4.154	5.148	1.2	19.7
10 18	0 33.03	+ 0 33.5	4.186	5.146	3.3	19.9
10 28	0 28.78	+ 0 9.2	4.247	5.144	5.2	20.0
11 7	0 25.33	− 0 8.9	4.334	5.141	7.0	20.2

481864 2008 YH_{50} 10 3.9 179.°20 5.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.63	+21 52.6	2.239	2.996	14.8	21.5
9 8	1 1.33	+22 19.3	2.151	2.997	12.4	21.3
9 18	0 54.03	+22 27.4	2.084	2.998	9.6	21.1
9 28	0 45.28	+22 15.7	2.042	2.998	7.0	21.0
10 8	0 35.94	+21 45.4	2.026	2.998	5.4	20.9
10 18	0 26.94	+21 0.0	2.039	2.997	6.3	20.9
10 28	0 19.20	+20 5.5	2.079	2.997	8.8	21.1
11 7	0 13.41	+19 9.0	2.145	2.995	11.5	21.2

8655 1990 QJ_1 10 3.9 354.°81 4.°0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.85	+11 50.9	1.012	1.879	21.7	16.8
9 8	1 0.17	+12 28.5	0.949	1.873	17.3	16.6
9 18	0 54.10	+12 43.6	0.902	1.869	12.1	16.3
9 28	0 45.48	+12 35.7	0.875	1.866	6.7	16.0
10 8	0 35.80	+12 8.6	0.869	1.864	4.2	15.8
10 18	0 26.79	+11 29.9	0.886	1.864	8.5	16.1
10 28	0 20.13	+10 50.4	0.924	1.865	14.0	16.4
11 7	0 16.84	+10 19.9	0.980	1.867	18.8	16.7

448068 2008 GU_{70} 10 3.9 239.°09 1.°0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.14	+ 7 36.8	2.199	3.021	13.1	21.4
9 8	1 1.62	+ 7 47.4	2.111	3.015	10.1	21.2
9 18	0 54.17	+ 7 48.3	2.046	3.009	6.7	20.9
9 28	0 45.33	+ 7 40.8	2.008	3.002	2.9	20.7
10 8	0 35.92	+ 7 27.7	1.999	2.995	1.7	20.6
10 18	0 26.83	+ 7 12.5	2.019	2.988	5.4	20.8
10 28	0 18.94	+ 6 59.5	2.067	2.981	9.0	21.1
11 7	0 12.91	+ 6 52.5	2.140	2.974	12.2	21.3

222193 2000 DG_{37} 10 3.9 295.°74 2.°2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.50	+11 39.1	2.217	3.031	13.2	20.1
9 8	0 58.98	+11 49.4	2.119	3.014	10.5	19.9
9 18	0 52.57	+11 47.1	2.043	2.998	7.3	19.7
9 28	0 44.76	+11 33.0	1.993	2.981	3.9	19.4
10 8	0 36.31	+11 9.4	1.970	2.965	2.4	19.3
10 18	0 28.08	+10 40.1	1.977	2.948	5.3	19.5
10 28	0 20.94	+10 10.2	2.011	2.932	8.8	19.6
11 7	0 15.58	+ 9 44.6	2.069	2.916	12.1	19.8

394995 2009 BN_{63} 10 3.9 332.°77 2.°0/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.73	+10 53.4	1.775	2.604	15.4	21.2
9 8	1 0.19	+10 55.1	1.697	2.602	12.1	21.0
9 18	0 53.42	+10 41.5	1.640	2.600	8.2	20.7
9 28	0 45.08	+10 14.0	1.607	2.599	4.0	20.5
10 8	0 36.11	+ 9 36.7	1.601	2.597	2.3	20.4
10 18	0 27.58	+ 8 54.9	1.623	2.596	6.0	20.6
10 28	0 20.50	+ 8 15.4	1.672	2.595	10.1	20.8
11 7	0 15.61	+ 7 44.0	1.743	2.594	13.7	21.1

203590 2002 CC_{275} 10 3.9 315.°40 0.°7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.53	+ 5 20.0	1.521	2.380	16.0	20.4
9 8	0 58.85	+ 4 47.3	1.443	2.370	12.2	20.1
9 18	0 52.74	+ 3 59.7	1.387	2.361	7.8	19.8
9 28	0 44.86	+ 3 2.0	1.354	2.352	2.8	19.5
10 8	0 36.25	+ 2 1.2	1.348	2.344	2.6	19.5
10 18	0 28.10	+ 1 5.4	1.367	2.335	7.6	19.8
10 28	0 21.53	+ 0 22.0	1.412	2.328	12.2	20.0
11 7	0 17.35	− 0 3.9	1.478	2.320	16.2	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
515593 2014 JJ_{33}			10 3.9	143.°24	2.°4/ 1.5	18
8 29	1 3.22	+ 0 2.0	1.962	2.818	13.1	22.1
9 8	0 58.71	− 0 44.4	1.893	2.820	9.8	21.9
9 18	0 52.30	− 1 38.2	1.848	2.822	6.1	21.7
9 28	0 44.61	− 2 34.1	1.829	2.824	2.8	21.5
10 8	0 36.47	− 3 25.9	1.838	2.826	3.6	21.5
10 18	0 28.80	− 4 7.9	1.875	2.828	7.2	21.8
10 28	0 22.42	− 4 35.6	1.938	2.830	10.7	22.0
11 7	0 17.94	− 4 46.7	2.024	2.832	13.8	22.2
142831 2002 VT_{11}			10 3.9	246.°45	3.°2/ 6.7	18
8 29	1 4.33	+15 7.6	1.656	2.473	16.9	20.0
9 8	1 0.15	+14 57.6	1.572	2.466	13.5	19.7
9 18	0 53.54	+14 26.1	1.508	2.460	9.6	19.5
9 28	0 45.17	+13 34.2	1.467	2.453	5.4	19.2
10 8	0 36.07	+12 26.4	1.453	2.446	3.3	19.1
10 18	0 27.38	+11 10.0	1.466	2.440	6.4	19.3
10 28	0 20.25	+ 9 54.3	1.505	2.432	10.7	19.5
11 7	0 15.47	+ 8 47.7	1.568	2.425	14.6	19.7
327092 2004 XB_{25}			10 3.9	321.°59	8.°2/25.2	18
8 29	1 1.58	−16 21.1	1.862	2.734	13.0	19.9
9 8	0 57.77	−17 37.8	1.794	2.716	10.6	19.7
9 18	0 51.87	−18 49.7	1.748	2.698	8.7	19.6
9 28	0 44.50	−19 48.2	1.728	2.680	8.3	19.5
10 8	0 36.56	−20 25.5	1.732	2.663	9.7	19.6
10 18	0 29.02	−20 36.8	1.761	2.646	12.1	19.7
10 28	0 22.83	−20 20.3	1.811	2.630	14.8	19.8
11 7	0 18.69	−19 37.7	1.880	2.615	17.3	20.0
173084 2007 PO_1			10 3.9	15.°87	2.°9/ 9.8	18
8 29	0 54.91	+21 29.1	4.169	4.914	8.6	19.3
9 8	0 51.66	+21 18.3	4.076	4.915	7.1	19.2
9 18	0 47.51	+20 56.4	4.005	4.916	5.5	19.1
9 28	0 42.76	+20 23.9	3.960	4.917	3.9	19.0
10 8	0 37.80	+19 42.6	3.944	4.918	2.9	18.9
10 18	0 33.00	+18 54.6	3.958	4.919	3.4	19.0
10 28	0 28.77	+18 3.1	4.001	4.921	4.9	19.1
11 7	0 25.42	+17 11.4	4.072	4.922	6.5	19.2
321680 2010 DF_{76}			10 3.9	158.°29	2.°8/ 1.0	18
8 29	1 3.78	− 0 26.2	1.932	2.789	13.2	20.9
9 8	0 59.15	− 1 25.5	1.865	2.793	9.9	20.7
9 18	0 52.59	− 2 32.4	1.821	2.796	6.2	20.5
9 28	0 44.73	− 3 41.0	1.805	2.799	3.1	20.3
10 8	0 36.44	− 4 44.1	1.816	2.802	4.1	20.4
10 18	0 28.61	− 5 35.7	1.855	2.805	7.6	20.6
10 28	0 22.12	− 6 10.9	1.921	2.807	11.1	20.8
11 7	0 17.57	− 6 27.6	2.009	2.809	14.1	21.1
509234 2006 TW_{41}			10 3.9	329.°11	1.°0/ 3.2	18
8 29	1 2.30	+ 3 57.6	1.162	2.041	18.6	22.0
9 8	0 59.43	+ 3 41.9	1.088	2.025	14.3	21.7
9 18	0 53.52	+ 3 10.7	1.032	2.010	9.1	21.4
9 28	0 45.28	+ 2 28.9	0.997	1.996	3.4	21.0
10 8	0 36.00	+ 1 44.4	0.986	1.982	3.1	21.0
10 18	0 27.21	+ 1 6.1	0.999	1.970	9.1	21.3
10 28	0 20.40	+ 0 42.3	1.033	1.959	14.6	21.6
11 7	0 16.61	+ 0 38.2	1.087	1.948	19.4	21.8
371539 2006 UR_{274}			10 3.9	227.°11	0.°5/ 3.4	18
8 29	1 5.67	+ 6 5.7	1.747	2.590	15.0	21.3
9 8	1 0.97	+ 5 26.8	1.663	2.582	11.5	21.1
9 18	0 53.98	+ 4 33.4	1.602	2.573	7.3	20.8
9 28	0 45.33	+ 3 29.8	1.566	2.563	2.7	20.5
10 8	0 36.00	+ 2 22.6	1.558	2.554	2.3	20.5
10 18	0 27.07	+ 1 19.3	1.577	2.543	7.0	20.7
10 28	0 19.60	+ 0 27.1	1.623	2.532	11.3	21.0
11 7	0 14.36	− 0 9.1	1.692	2.521	15.1	21.2
42372 2002 CD_{146}			10 3.9	118.°88	2.°8/ 6.8	18
8 29	1 3.77	+14 10.3	2.235	3.037	13.5	19.5
9 8	0 59.04	+14 17.0	2.153	3.039	10.8	19.4
9 18	0 52.51	+14 9.3	2.094	3.041	7.6	19.2
9 28	0 44.73	+13 47.8	2.060	3.043	4.4	19.0
10 8	0 36.46	+13 15.5	2.054	3.045	2.8	18.9
10 18	0 28.55	+12 36.3	2.077	3.047	5.1	19.0
10 28	0 21.81	+11 55.7	2.127	3.049	8.3	19.2
11 7	0 16.84	+11 19.0	2.203	3.051	11.3	19.4
242672 2005 SO_{124}			10 3.9	82.°37	5.°3/10.4	18
8 29	1 1.95	+23 46.8	2.144	2.902	15.4	19.7
9 8	0 57.77	+23 42.2	2.068	2.913	12.8	19.6
9 18	0 51.72	+23 15.4	2.012	2.925	10.0	19.4
9 28	0 44.42	+22 26.5	1.980	2.936	7.1	19.2
10 8	0 36.69	+21 18.3	1.974	2.947	5.4	19.2
10 18	0 29.42	+19 56.4	1.996	2.959	6.1	19.2
10 28	0 23.43	+18 28.4	2.046	2.970	8.5	19.4
11 7	0 19.31	+17 2.3	2.121	2.981	11.2	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
404752 2014 JN_{34}			10 3.9	189.°96	1.°6/ 5.7	18
8 29	1 1.71	+12 40.6	2.151	2.965	13.6	21.6
9 8	0 57.53	+12 4.6	2.067	2.965	10.6	21.4
9 18	0 51.57	+11 12.2	2.006	2.964	7.2	21.2
9 28	0 44.38	+10 6.0	1.972	2.963	3.5	21.0
10 8	0 36.72	+ 8 51.0	1.965	2.962	1.8	20.8
10 18	0 29.43	+ 7 33.4	1.988	2.960	5.2	21.1
10 28	0 23.30	+ 6 20.3	2.039	2.958	8.8	21.3
11 7	0 18.94	+ 5 17.4	2.115	2.956	12.0	21.5
423338 2005 GH_{69}			10 3.9	212.°38	4.°4/28.7	17
8 29	1 3.42	− 0 20.8	1.760	2.623	14.1	21.2
9 8	0 59.19	− 2 35.6	1.685	2.617	10.5	21.0
9 18	0 52.80	− 5 4.2	1.635	2.610	6.8	20.8
9 28	0 44.88	− 7 36.1	1.613	2.603	4.5	20.6
10 8	0 36.36	− 9 58.8	1.621	2.595	6.3	20.7
10 18	0 28.25	−12 1.4	1.657	2.586	10.0	20.9
10 28	0 21.55	−13 35.9	1.719	2.577	13.7	21.1
11 7	0 16.97	−14 39.6	1.802	2.567	16.8	21.3
148547 2001 QK_{144}			10 3.9	186.°11	0.°7/ 4.5	18
8 29	1 6.49	+ 8 19.8	1.850	2.681	14.8	20.6
9 8	1 1.41	+ 8 0.5	1.771	2.681	11.4	20.4
9 18	0 54.15	+ 7 27.1	1.715	2.681	7.4	20.1
9 28	0 45.38	+ 6 42.5	1.684	2.680	3.0	19.9
10 8	0 36.02	+ 5 51.9	1.681	2.679	1.7	19.8
10 18	0 27.12	+ 5 1.4	1.707	2.677	6.1	20.1
10 28	0 19.65	+ 4 17.3	1.760	2.675	10.2	20.3
11 7	0 14.32	+ 3 44.8	1.836	2.672	13.8	20.5
361999 2008 TV_{96}			10 3.9	305.°55	1.°5/ 6.8	18
8 29	0 55.03	+13 42.4	4.213	5.003	7.9	21.0
9 8	0 51.73	+13 31.1	4.117	4.996	6.2	20.8
9 18	0 47.56	+13 11.6	4.044	4.990	4.3	20.7
9 28	0 42.80	+12 45.0	4.000	4.983	2.5	20.6
10 8	0 37.82	+12 13.0	3.984	4.976	1.5	20.5
10 18	0 32.97	+11 37.9	3.999	4.970	2.9	20.6
10 28	0 28.65	+11 2.3	4.044	4.963	4.8	20.7
11 7	0 25.17	+10 28.9	4.116	4.957	6.7	20.9
441086 2007 RK_{188}			10 3.9	20.°06	1.°3/ 5.1	18
8 29	0 58.94	+11 30.2	1.334	2.188	18.1	20.3
9 8	0 56.26	+10 50.1	1.274	2.195	14.0	20.0
9 18	0 51.10	+ 9 47.2	1.234	2.203	9.3	19.8
9 28	0 44.25	+ 8 26.3	1.216	2.212	4.1	19.5
10 8	0 36.85	+ 6 56.1	1.224	2.221	2.1	19.4
10 18	0 30.10	+ 5 27.0	1.257	2.232	7.0	19.8
10 28	0 25.09	+ 4 9.1	1.314	2.244	11.7	20.1
11 7	0 22.53	+ 3 9.9	1.393	2.256	15.8	20.3
79195 1993 TZ_{24}			10 3.9	324.°98	3.°8/ 1.2	18
8 29	1 5.70	− 4 5.3	1.570	2.440	15.1	18.9
9 8	1 1.21	− 4 26.0	1.493	2.426	11.4	18.6
9 18	0 54.24	− 4 50.6	1.438	2.413	7.4	18.3
9 28	0 45.47	− 5 13.2	1.407	2.400	4.1	18.1
10 8	0 35.96	− 5 27.4	1.402	2.388	5.1	18.2
10 18	0 26.90	− 5 28.0	1.424	2.376	9.1	18.4
10 28	0 19.46	− 5 11.7	1.469	2.365	13.2	18.6
11 7	0 14.44	− 4 37.4	1.536	2.355	16.9	18.8
427611 2003 SA_{401}			10 3.9	253.°95	2.°0/ 1.7	17
8 29	1 2.69	+ 6 44.7	1.713	2.561	15.1	21.6
9 8	0 58.85	+ 4 51.7	1.619	2.543	11.4	21.4
9 18	0 52.73	+ 2 36.0	1.549	2.524	7.1	21.1
9 28	0 44.91	+ 0 5.2	1.506	2.504	2.7	20.8
10 8	0 36.33	− 2 29.1	1.493	2.484	3.8	20.8
10 18	0 28.05	− 4 53.9	1.509	2.463	8.5	21.0
10 28	0 21.17	− 6 57.7	1.552	2.442	13.0	21.3
11 7	0 16.47	− 8 33.3	1.617	2.420	16.9	21.5
218110 2002 OP_{27}			10 3.9	345.°89	4.°9/ 7.7	18
8 29	1 2.32	+16 44.2	1.269	2.103	20.1	19.9
9 8	0 59.27	+16 58.7	1.196	2.097	16.4	19.7
9 18	0 53.31	+16 47.1	1.141	2.093	12.0	19.4
9 28	0 45.19	+16 8.8	1.106	2.089	7.4	19.2
10 8	0 36.15	+15 7.7	1.095	2.086	4.9	19.0
10 18	0 27.66	+13 52.3	1.108	2.083	7.7	19.2
10 28	0 21.12	+12 34.2	1.144	2.081	12.3	19.4
11 7	0 17.46	+11 24.3	1.202	2.080	16.7	19.7
93114 2000 SE_{58}			10 3.9	300.°73	0.°0/ 3.7	18 R
8 29	1 2.86	+ 7 6.9	1.602	2.453	15.8	19.5
9 8	0 59.01	+ 6 35.2	1.524	2.445	12.1	19.3
9 18	0 52.81	+ 5 47.5	1.466	2.438	7.8	19.0
9 28	0 44.93	+ 4 48.1	1.433	2.430	2.9	18.7
10 8	0 36.35	+ 3 43.6	1.426	2.423	2.1	18.6
10 18	0 28.21	+ 2 41.7	1.446	2.416	7.0	18.9
10 28	0 21.60	+ 1 50.2	1.492	2.409	11.6	19.2
11 7	0 17.29	+ 1 14.6	1.559	2.402	15.5	19.4

395695 2012 AW_{21} 10 3.9 304.°16 0.°7/ 5.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.74	+ 9 23.3	4.241	5.050	7.5	21.1
9 8	0 52.23	+ 9 13.2	4.150	5.046	5.8	21.0
9 18	0 47.86	+ 8 56.6	4.084	5.042	3.8	20.8
9 28	0 42.93	+ 8 35.0	4.046	5.038	1.8	20.7
10 8	0 37.77	+ 8 10.1	4.038	5.035	1.0	20.6
10 18	0 32.76	+ 7 44.0	4.061	5.031	2.9	20.7
10 28	0 28.28	+ 7 19.1	4.113	5.027	4.9	20.9
11 7	0 24.62	+ 6 57.6	4.193	5.024	6.7	21.0

243306 2008 JV_{15} 10 3.9 20.°27 1.°7/ 2.8 18

8 29	1 4.04	+ 2 4.3	1.043	1.930	19.6	19.8
9 8	1 0.58	+ 1 51.8	0.996	1.938	14.8	19.6
9 18	0 54.03	+ 1 26.8	0.967	1.947	9.3	19.3
9 28	0 45.38	+ 0 55.6	0.959	1.958	3.5	19.0
10 8	0 36.12	+ 0 26.3	0.974	1.970	3.6	19.1
10 18	0 27.80	+ 0 6.8	1.013	1.983	9.2	19.4
10 28	0 21.77	+ 0 2.8	1.073	1.997	14.3	19.8
11 7	0 18.79	+ 0 17.0	1.153	2.013	18.6	20.1

473628 2015 XS_{306} 10 3.9 129.°91 2.°0/ 1.6 18

8 29	1 1.74	− 0 48.4	2.463	3.313	11.0	21.2
9 8	0 57.25	− 1 22.1	2.391	3.315	8.2	21.1
9 18	0 51.25	− 2 0.8	2.344	3.317	5.1	20.9
9 28	0 44.24	− 2 40.4	2.324	3.320	2.4	20.7
10 8	0 36.88	− 3 16.6	2.334	3.322	3.0	20.8
10 18	0 29.87	− 3 45.3	2.372	3.324	6.0	21.0
10 28	0 23.88	− 4 3.2	2.438	3.326	9.0	21.1
11 7	0 19.41	− 4 8.5	2.527	3.328	11.6	21.3

427785 2005 EC_{83} 10 3.9 133.°02 2.°0/ 5.5 17

8 29	1 9.69	+11 6.6	1.700	2.521	16.3	21.8
9 8	1 3.91	+11 4.1	1.631	2.532	12.7	21.6
9 18	0 55.76	+10 45.2	1.584	2.543	8.6	21.4
9 28	0 45.99	+10 11.7	1.562	2.554	4.2	21.2
10 8	0 35.67	+ 9 28.3	1.568	2.564	2.3	21.1
10 18	0 25.98	+ 8 41.1	1.602	2.573	6.2	21.4
10 28	0 17.97	+ 7 57.1	1.662	2.582	10.4	21.6
11 7	0 12.36	+ 7 22.3	1.746	2.590	14.0	21.9

412168 2013 GW_{89} 10 3.9 75.°95 0.°9/ 5.0 18

8 29	1 1.48	+10 35.9	2.195	3.017	13.1	21.4
9 8	0 57.15	+ 9 59.6	2.133	3.037	10.0	21.2
9 18	0 51.20	+ 9 9.6	2.094	3.057	6.6	21.0
9 28	0 44.21	+ 8 9.4	2.082	3.076	2.9	20.8
10 8	0 36.92	+ 7 3.9	2.099	3.096	1.5	20.8
10 18	0 30.11	+ 5 58.9	2.144	3.115	5.0	21.0
10 28	0 24.48	+ 5 0.2	2.217	3.134	8.3	21.3
11 7	0 20.53	+ 4 12.1	2.316	3.153	11.3	21.5

132931 2002 SQ_{61} 10 3.9 302.°59 3.°0/30.9 18

8 29	1 1.50	− 0 12.4	1.773	2.638	13.8	20.0
9 8	0 57.71	− 1 12.8	1.699	2.631	10.4	19.8
9 18	0 51.85	− 2 22.6	1.647	2.624	6.5	19.6
9 28	0 44.54	− 3 35.1	1.622	2.617	3.3	19.4
10 8	0 36.66	− 4 42.7	1.623	2.610	4.4	19.4
10 18	0 29.20	− 5 38.2	1.652	2.603	8.2	19.6
10 28	0 23.10	− 6 16.0	1.705	2.597	12.0	19.9
11 7	0 19.03	− 6 33.4	1.781	2.590	15.3	20.1

223251 2003 FB_{70} 10 3.9 342.°73 2.°3/29.7 18

8 29	0 55.53	− 5 36.6	3.926	4.779	7.2	19.5
9 8	0 52.11	− 6 11.1	3.852	4.776	5.3	19.4
9 18	0 47.80	− 6 46.8	3.804	4.774	3.5	19.2
9 28	0 42.91	− 7 20.7	3.785	4.772	2.3	19.1
10 8	0 37.81	− 7 50.3	3.796	4.771	3.0	19.2
10 18	0 32.89	− 8 13.0	3.836	4.769	4.7	19.3
10 28	0 28.54	− 8 27.1	3.904	4.767	6.5	19.4
11 7	0 25.08	− 8 31.5	3.997	4.765	8.2	19.6

123733 2001 AT_{9} 10 3.9 185.°79 6.°0/26.9 18

8 29	1 3.28	−10 3.9	2.074	2.939	12.1	20.0
9 8	0 58.71	−11 35.2	2.013	2.939	9.3	19.8
9 18	0 52.31	−13 6.9	1.977	2.939	6.9	19.6
9 28	0 44.66	−14 30.8	1.968	2.938	6.0	19.6
10 8	0 36.60	−15 39.5	1.986	2.937	7.3	19.7
10 18	0 28.96	−16 27.5	2.032	2.935	9.9	19.8
10 28	0 22.58	−16 51.9	2.102	2.933	12.6	20.0
11 7	0 18.03	−16 52.8	2.192	2.930	15.0	20.2

119811 2002 AC_{156} 10 3.9 286.°73 6.°6/25.8 18

8 29	1 0.41	−12 5.1	2.065	2.936	11.9	19.5
9 8	0 56.64	−13 39.8	2.000	2.927	9.4	19.4
9 18	0 51.05	−15 13.8	1.960	2.918	7.3	19.2
9 28	0 44.21	−16 38.8	1.947	2.910	6.7	19.2
10 8	0 36.90	−17 47.1	1.960	2.901	8.1	19.2
10 18	0 29.96	−18 33.3	2.000	2.893	10.5	19.4
10 28	0 24.22	−18 54.4	2.062	2.885	13.1	19.5
11 7	0 20.26	−18 50.8	2.145	2.876	15.5	19.7

217738 2000 BO_{1} 10 3.9 321.°76 0.°7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.33	+ 4 42.0	1.804	2.659	14.1	20.4
9 8	0 56.97	+ 4 17.0	1.712	2.637	10.8	20.2
9 18	0 51.50	+ 3 39.8	1.641	2.615	6.9	19.9
9 28	0 44.46	+ 2 54.2	1.596	2.594	2.5	19.6
10 8	0 36.71	+ 2 5.8	1.578	2.573	2.3	19.5
10 18	0 29.22	+ 1 20.7	1.586	2.553	6.8	19.7
10 28	0 22.99	+ 0 45.4	1.620	2.534	11.0	20.0
11 7	0 18.79	+ 0 24.4	1.676	2.515	14.8	20.1

209296 2003 YO_{109} 10 3.9 85.°11 2.°5/ 1.5 18

8 29	1 3.13	+ 0 8.6	1.884	2.743	13.4	20.4
9 8	0 58.71	− 0 39.5	1.820	2.749	10.0	20.2
9 18	0 52.35	− 1 35.2	1.779	2.754	6.3	20.0
9 28	0 44.69	− 2 32.9	1.764	2.760	2.9	19.8
10 8	0 36.62	− 3 26.2	1.777	2.766	3.7	19.9
10 18	0 29.04	− 4 9.1	1.818	2.772	7.3	20.1
10 28	0 22.81	− 4 37.2	1.884	2.778	10.9	20.4
11 7	0 18.54	− 4 48.2	1.974	2.784	14.0	20.6

513544 2010 JC_{104} 10 3.9 83.°20 8.°2/26.8 18

8 29	1 6.98	−15 20.8	1.688	2.556	14.3	20.7
9 8	1 1.78	−16 32.6	1.641	2.563	11.4	20.5
9 18	0 54.33	−17 38.0	1.617	2.569	9.0	20.4
9 28	0 45.43	−18 28.1	1.618	2.576	8.2	20.4
10 8	0 36.14	−18 55.5	1.644	2.583	9.5	20.5
10 18	0 27.56	−18 56.6	1.695	2.590	12.0	20.6
10 28	0 20.66	−18 31.0	1.768	2.597	14.7	20.8
11 7	0 16.05	−17 41.5	1.861	2.603	17.1	21.0

479874 2014 GR_{46} 10 3.9 250.°93 5.°0/29.9 18

8 29	1 9.55	− 9 5.8	1.935	2.791	13.2	21.3
9 8	1 3.62	− 9 33.5	1.860	2.783	10.2	21.1
9 18	0 55.52	−10 0.2	1.809	2.776	7.1	20.9
9 28	0 45.92	−10 20.1	1.785	2.767	5.1	20.8
10 8	0 35.77	−10 27.6	1.788	2.759	6.1	20.8
10 18	0 26.10	−10 18.9	1.819	2.751	9.1	21.0
10 28	0 17.88	− 9 52.4	1.876	2.742	12.3	21.2
11 7	0 11.81	− 9 8.6	1.955	2.733	15.2	21.4

315377 2007 VO_{50} 10 3.9 99.°80 1.°6/ 5.2 17

8 29	1 9.29	+10 25.2	1.449	2.285	17.9	21.0
9 8	1 3.86	+10 13.2	1.391	2.301	13.9	20.8
9 18	0 55.82	+ 9 42.8	1.353	2.317	9.2	20.6
9 28	0 46.03	+ 8 57.0	1.339	2.333	4.2	20.3
10 8	0 35.74	+ 8 2.0	1.351	2.348	2.2	20.3
10 18	0 26.23	+ 7 5.6	1.390	2.363	6.8	20.6
10 28	0 18.66	+ 6 15.8	1.455	2.378	11.4	20.9
11 7	0 13.74	+ 5 38.8	1.543	2.392	15.3	21.2

140008 2001 SS_{43} 10 3.9 53.°52 1.°6/ 2.7 17

8 29	1 6.30	+ 3 9.7	1.307	2.174	17.7	19.6
9 8	1 1.66	+ 2 34.7	1.261	2.193	13.2	19.4
9 18	0 54.41	+ 1 47.4	1.235	2.212	8.2	19.2
9 28	0 45.48	+ 0 54.3	1.233	2.231	3.1	18.9
10 8	0 36.15	+ 0 3.5	1.256	2.251	3.3	19.0
10 18	0 27.70	− 0 37.5	1.305	2.271	8.2	19.3
10 28	0 21.25	− 1 2.7	1.378	2.291	12.7	19.6
11 7	0 17.43	− 1 9.4	1.472	2.311	16.4	19.9

46973 1998 SE_{139} 10 3.9 307.°41 3.°1/ 7.1 18

8 29	0 59.56	+16 45.1	1.739	2.554	16.3	18.9
9 8	0 56.48	+16 11.9	1.649	2.541	13.1	18.7
9 18	0 51.21	+15 14.5	1.578	2.529	9.3	18.4
9 28	0 44.36	+13 54.8	1.532	2.517	5.3	18.2
10 8	0 36.83	+12 17.9	1.511	2.505	3.1	18.0
10 18	0 29.64	+10 32.4	1.518	2.493	6.1	18.2
10 28	0 23.83	+ 8 48.6	1.552	2.482	10.2	18.4
11 7	0 20.15	+ 7 15.9	1.610	2.471	14.1	18.6

45643 2000 EG_{37} 10 3.9 273.°90 1.°0/ 4.9 18

8 29	1 1.94	+ 9 3.9	2.407	3.229	12.1	18.4
9 8	0 57.59	+ 8 53.7	2.316	3.220	9.3	18.2
9 18	0 51.59	+ 8 32.5	2.249	3.211	6.2	18.0
9 28	0 44.44	+ 8 2.1	2.208	3.202	2.8	17.7
10 8	0 36.80	+ 7 25.8	2.196	3.193	1.5	17.6
10 18	0 29.42	+ 6 48.0	2.214	3.184	4.9	17.9
10 28	0 23.06	+ 6 13.1	2.259	3.175	8.2	18.1
11 7	0 18.27	+ 5 45.4	2.329	3.166	11.2	18.2

73450 2002 NY_{19} 10 3.9 77.°41 6.°8/12.4 18

8 29	1 3.97	+28 5.5	2.427	3.144	14.8	18.4
9 8	0 59.25	+28 38.9	2.348	3.154	12.8	18.3
9 18	0 52.69	+28 51.8	2.289	3.165	10.5	18.2
9 28	0 44.85	+28 42.7	2.252	3.175	8.4	18.1
10 8	0 36.53	+28 12.1	2.241	3.186	7.0	18.0
10 18	0 28.57	+27 23.3	2.256	3.196	7.1	18.0
10 28	0 21.81	+26 21.7	2.299	3.206	8.5	18.1
11 7	0 16.86	+25 14.6	2.366	3.217	10.6	18.3

308884 2006 ST_{109} 10 3.9 315.°35 0.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.29	+10 35.2	1.740	2.581	15.2	20.4
9 8	0 56.20	+ 9 49.2	1.654	2.569	11.8	20.2
9 18	0 51.00	+ 8 43.9	1.590	2.557	7.8	19.9
9 28	0 44.27	+ 7 23.0	1.550	2.545	3.3	19.6
10 8	0 36.91	+ 5 53.3	1.537	2.534	1.8	19.5
10 18	0 29.91	+ 4 23.2	1.552	2.524	6.3	19.8
10 28	0 24.24	+ 3 1.7	1.592	2.513	10.7	20.0
11 7	0 20.63	+ 1 55.8	1.656	2.503	14.5	20.2

176667 2002 PT_{28} 10 3.9 99.°39 1.°3/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.70	+ 5 12.6	1.518	2.372	16.3	20.7
9 8	1 0.98	+ 4 12.2	1.462	2.387	12.3	20.4
9 18	0 53.91	+ 2 57.3	1.428	2.403	7.6	20.2
9 28	0 45.31	+ 1 34.4	1.420	2.418	2.8	20.0
10 8	0 36.28	+ 0 12.6	1.438	2.432	3.0	20.0
10 18	0 27.96	− 0 59.6	1.483	2.446	7.7	20.3
10 28	0 21.39	− 1 55.0	1.554	2.460	11.9	20.6
11 7	0 17.19	− 2 29.9	1.647	2.474	15.5	20.9

93451 2000 SE_{349} 10 3.9 249.°33 8.°3/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.28	−15 39.6	1.828	2.695	13.4	19.6
9 8	1 0.57	−17 8.4	1.765	2.685	10.8	19.5
9 18	0 53.68	−18 32.9	1.726	2.675	8.8	19.3
9 28	0 45.26	−19 43.8	1.712	2.664	8.3	19.3
10 8	0 36.27	−20 32.7	1.723	2.654	9.8	19.3
10 18	0 27.76	−20 54.5	1.760	2.643	12.3	19.5
10 28	0 20.72	−20 47.5	1.818	2.632	15.0	19.6
11 7	0 15.85	−20 13.7	1.896	2.621	17.4	19.8

334698 2003 EZ_4 10 3.9 2.°38 12.°2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 27.58	+13 37.7	0.856	1.695	27.0	19.3
9 8	1 20.71	+17 15.4	0.794	1.693	22.6	19.0
9 18	1 8.41	+20 46.4	0.749	1.692	17.8	18.7
9 28	0 51.39	+23 52.9	0.725	1.692	13.5	18.5
10 8	0 31.85	+26 17.3	0.723	1.693	12.3	18.5
10 18	0 12.94	+27 50.8	0.743	1.696	14.9	18.6
10 28	23 57.80	+28 39.5	0.785	1.700	19.3	18.9
11 7	23 48.26	+28 59.9	0.843	1.705	23.5	19.2

234919 2002 TJ_{333} 10 3.9 96.°53 1.°8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.68	+ 0 30.5	2.014	2.860	13.2	20.8
9 8	1 1.86	+ 0 3.5	1.960	2.881	9.9	20.6
9 18	0 54.20	− 0 29.7	1.930	2.902	6.1	20.4
9 28	0 45.37	− 1 4.6	1.927	2.923	2.5	20.2
10 8	0 36.26	− 1 36.4	1.952	2.943	3.0	20.3
10 18	0 27.77	− 2 0.4	2.006	2.963	6.5	20.6
10 28	0 20.68	− 2 13.4	2.088	2.983	9.9	20.8
11 7	0 15.55	− 2 13.3	2.193	3.002	12.8	21.0

389008 2008 UL_{176} 10 3.9 293.°26 0.°7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.24	+ 8 9.7	1.667	2.509	15.7	21.2
9 8	1 0.02	+ 7 55.0	1.586	2.502	12.1	20.9
9 18	0 53.47	+ 7 25.1	1.526	2.494	7.9	20.7
9 28	0 45.23	+ 6 43.1	1.491	2.487	3.3	20.4
10 8	0 36.29	+ 5 54.1	1.483	2.480	1.9	20.3
10 18	0 27.77	+ 5 4.9	1.501	2.473	6.6	20.5
10 28	0 20.74	+ 4 22.4	1.545	2.466	11.0	20.8
11 7	0 16.00	+ 3 52.3	1.612	2.459	14.9	21.0

167679 2004 GS_9 10 3.9 266.°73 8.°3/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.93	−21 9.2	2.308	3.144	12.0	20.8
9 8	1 5.34	−22 2.8	2.224	3.118	10.1	20.7
9 18	0 56.62	−22 48.3	2.164	3.090	8.7	20.5
9 28	0 46.40	−23 18.3	2.131	3.062	8.3	20.4
10 8	0 35.53	−23 26.6	2.124	3.033	9.4	20.5
10 18	0 25.01	−23 9.9	2.145	3.004	11.4	20.5
10 28	0 15.81	−22 27.7	2.189	2.974	13.7	20.7
11 7	0 8.63	−21 22.5	2.254	2.943	15.9	20.8

254951 2005 SB_{197} 10 3.9 317.°83 0.°9/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.07	+ 5 37.4	1.704	2.562	14.7	21.3
9 8	0 56.16	+ 4 52.3	1.611	2.538	11.2	21.1
9 18	0 51.08	+ 3 51.6	1.539	2.514	7.1	20.8
9 28	0 44.37	+ 2 39.7	1.492	2.491	2.6	20.4
10 8	0 36.90	+ 1 23.8	1.472	2.468	2.6	20.4
10 18	0 29.68	+ 0 12.0	1.478	2.445	7.3	20.6
10 28	0 23.77	− 0 47.6	1.510	2.423	11.7	20.8
11 7	0 19.96	− 1 29.3	1.564	2.402	15.7	21.0

429569 2011 DT_{26} 10 3.9 122.°31 2.°5/ 1.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.46	+ 1 9.0	1.784	2.639	14.2	22.2
9 8	1 0.51	+ 0 5.0	1.725	2.652	10.6	22.0
9 18	0 53.51	− 1 8.2	1.690	2.665	6.6	21.8
9 28	0 45.17	− 2 24.1	1.681	2.677	3.0	21.6
10 8	0 36.44	− 3 34.9	1.700	2.689	3.9	21.7
10 18	0 28.31	− 4 33.8	1.748	2.700	7.7	21.9
10 28	0 21.67	− 5 15.5	1.821	2.711	11.4	22.2
11 7	0 17.12	− 5 37.9	1.916	2.722	14.5	22.4

490418 2009 SY_{42} 10 3.9 317.°88 0.°2/ 3.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.61	+ 3 44.3	4.089	4.915	7.4	21.5
9 8	0 53.66	+ 3 37.3	4.001	4.912	5.6	21.3
9 18	0 48.80	+ 3 25.9	3.940	4.908	3.5	21.2
9 28	0 43.35	+ 3 11.9	3.908	4.905	1.3	21.0
10 8	0 37.67	+ 2 57.2	3.905	4.901	1.1	21.0
10 18	0 32.15	+ 2 43.7	3.934	4.898	3.3	21.1
10 28	0 27.18	+ 2 33.5	3.992	4.895	5.4	21.3
11 7	0 23.10	+ 2 28.3	4.076	4.891	7.2	21.4

316153 2009 TZ_{24} 10 3.9 306.°51 1.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.12	− 2 15.0	4.141	4.986	7.0	20.5
9 8	0 52.54	− 2 38.1	4.060	4.981	5.2	20.4
9 18	0 48.09	− 3 3.3	4.004	4.976	3.3	20.2
9 28	0 43.09	− 3 28.6	3.977	4.971	1.7	20.1
10 8	0 37.87	− 3 51.4	3.980	4.966	2.1	20.1
10 18	0 32.81	− 4 9.7	4.013	4.960	4.0	20.3
10 28	0 28.29	− 4 21.6	4.075	4.955	5.9	20.4
11 7	0 24.62	− 4 25.9	4.163	4.950	7.6	20.5

296783 2009 UT_{151} 10 3.9 297.°19 2.°2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.38	+17 38.6	4.354	5.120	8.0	20.4
9 8	0 52.01	+17 32.5	4.258	5.117	6.5	20.3
9 18	0 47.78	+17 17.2	4.186	5.115	4.8	20.2
9 28	0 42.98	+16 53.5	4.142	5.112	3.1	20.0
10 8	0 37.96	+16 22.8	4.126	5.110	2.2	20.0
10 18	0 33.08	+15 47.2	4.141	5.107	3.0	20.0
10 28	0 28.72	+15 9.4	4.185	5.105	4.6	20.1
11 7	0 25.19	+14 32.1	4.256	5.102	6.3	20.3

100254 1994 SG_4 10 3.9 100.°31 0.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.80	+ 6 41.2	1.846	2.684	14.5	20.1
9 8	1 0.82	+ 6 25.9	1.778	2.693	11.1	19.9
9 18	0 53.76	+ 5 58.5	1.732	2.701	7.1	19.7
9 28	0 45.31	+ 5 22.3	1.712	2.709	2.8	19.4
10 8	0 36.39	+ 4 42.2	1.720	2.717	1.7	19.4
10 18	0 27.99	+ 4 3.8	1.756	2.725	6.1	19.7
10 28	0 21.03	+ 3 32.5	1.818	2.733	10.0	19.9
11 7	0 16.16	+ 3 12.4	1.905	2.740	13.4	20.2

355762 2008 RQ_{21} 10 3.9 81.°92 1.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.32	+10 59.1	4.438	5.236	7.4	21.0
9 8	0 52.64	+10 54.6	4.354	5.242	5.7	20.8
9 18	0 48.15	+10 43.5	4.295	5.248	3.9	20.7
9 28	0 43.11	+10 27.1	4.265	5.253	2.0	20.6
10 8	0 37.89	+10 6.7	4.264	5.259	1.1	20.5
10 18	0 32.82	+ 9 44.5	4.294	5.264	2.7	20.7
10 28	0 28.27	+ 9 22.6	4.354	5.270	4.6	20.8
11 7	0 24.53	+ 9 3.0	4.441	5.276	6.3	20.9

161360 2003 SR_{165} 10 3.9 17.°59 4.°6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.01	− 1 37.9	1.222	2.114	17.0	18.8
9 8	0 56.42	− 2 57.0	1.175	2.121	12.7	18.5
9 18	0 51.27	− 4 25.3	1.148	2.129	8.1	18.3
9 28	0 44.41	− 5 52.7	1.144	2.138	4.8	18.2
10 8	0 37.03	− 7 7.7	1.165	2.149	6.3	18.3
10 18	0 30.40	− 8 1.5	1.209	2.160	10.5	18.6
10 28	0 25.60	− 8 28.7	1.275	2.173	14.7	18.8
11 7	0 23.31	− 8 28.6	1.361	2.187	18.3	19.1

466095 2012 BZ_{142} 10 3.9 332.°09 5.°4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.72	−21 53.9	3.957	4.802	7.3	20.2
9 8	0 52.34	−22 54.5	3.904	4.798	6.2	20.1
9 18	0 48.02	−23 49.5	3.878	4.794	5.5	20.1
9 28	0 43.07	−24 35.2	3.878	4.791	5.5	20.1
10 8	0 37.92	−25 8.4	3.905	4.787	6.2	20.1
10 18	0 32.96	−25 27.4	3.958	4.784	7.3	20.2
10 28	0 28.62	−25 31.0	4.035	4.780	8.6	20.3
11 7	0 25.23	−25 19.8	4.132	4.777	9.7	20.4

421828 2014 QU_{106} 10 3.9 37.°78 2.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.28	+ 0 25.0	2.034	2.895	12.5	20.8
9 8	0 55.71	− 0 44.7	1.971	2.902	9.3	20.6
9 18	0 50.44	− 2 2.5	1.932	2.908	5.8	20.4
9 28	0 44.04	− 3 22.2	1.920	2.915	2.9	20.2
10 8	0 37.27	− 4 36.8	1.936	2.922	3.9	20.3
10 18	0 30.93	− 5 40.1	1.980	2.930	7.2	20.5
10 28	0 25.76	− 6 27.1	2.050	2.937	10.4	20.8
11 7	0 22.30	− 6 55.6	2.142	2.945	13.3	21.0

423935 2006 TC_{80} 10 3.9 53.°30 1.°2/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.74	+ 7 19.3	1.277	2.130	18.9	20.5
9 8	1 4.54	+ 7 31.8	1.222	2.143	14.5	20.3
9 18	0 56.44	+ 7 28.8	1.187	2.156	9.5	20.1
9 28	0 46.37	+ 7 12.9	1.174	2.170	4.0	19.8
10 8	0 35.71	+ 6 49.4	1.186	2.184	2.2	19.7
10 18	0 25.90	+ 6 24.7	1.225	2.198	7.5	20.1
10 28	0 18.24	+ 6 5.8	1.287	2.212	12.3	20.4
11 7	0 13.50	+ 5 57.8	1.371	2.227	16.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
309024 2006 UO_{130}			10 3.9 115.°55		0.°0/ 3.9	18
	h m	° ′			°	m
8 29	1 3.55	+ 6 8.3	2.017	2.856	13.5	21.7
9 8	0 59.01	+ 5 45.4	1.942	2.858	10.2	21.5
9 18	0 52.59	+ 5 11.3	1.891	2.860	6.5	21.3
9 28	0 44.87	+ 4 29.3	1.865	2.862	2.5	21.0
10 8	0 36.69	+ 3 44.3	1.868	2.865	1.7	21.0
10 18	0 28.93	+ 3 1.7	1.899	2.867	5.8	21.2
10 28	0 22.43	+ 2 26.8	1.957	2.869	9.6	21.5
11 7	0 17.81	+ 2 3.3	2.039	2.871	12.8	21.7
351210 2004 JD_{40}			10 3.9 187.°58		5.°4/22.0	18
8 29	0 57.16	−25 58.9	4.462	5.290	6.8	20.1
9 8	0 53.29	−26 43.9	4.416	5.290	5.9	20.0
9 18	0 48.55	−27 22.1	4.395	5.290	5.4	20.0
9 28	0 43.27	−27 50.4	4.401	5.290	5.5	20.0
10 8	0 37.81	−28 6.4	4.433	5.289	6.1	20.0
10 18	0 32.57	−28 8.9	4.491	5.289	7.0	20.1
10 28	0 27.92	−27 57.3	4.572	5.289	8.0	20.2
11 7	0 24.16	−27 32.4	4.673	5.289	9.0	20.3
366317 2013 CV_{197}			10 3.9 269.°21		0.°8/ 2.2	18
8 29	0 54.41	+ 1 41.6	4.390	5.228	6.8	21.6
9 8	0 51.25	+ 1 8.8	4.303	5.221	5.0	21.5
9 18	0 47.29	+ 0 32.1	4.242	5.214	3.1	21.3
9 28	0 42.80	− 0 6.4	4.211	5.208	1.2	21.2
10 8	0 38.12	− 0 44.3	4.209	5.201	1.5	21.2
10 18	0 33.57	− 1 19.3	4.238	5.194	3.4	21.3
10 28	0 29.51	− 1 49.0	4.296	5.187	5.3	21.5
11 7	0 26.22	− 2 11.8	4.380	5.181	7.0	21.6
106802 2000 XX_{32}			10 3.9 203.°10		2.°5/ 2.2	18 R
8 29	1 10.40	− 0 37.0	1.577	2.433	15.7	19.6
9 8	1 4.72	− 0 58.2	1.505	2.431	11.9	19.3
9 18	0 56.47	− 1 26.5	1.455	2.429	7.5	19.1
9 28	0 46.41	− 1 56.8	1.430	2.426	3.3	18.8
10 8	0 35.67	− 2 22.7	1.433	2.424	3.9	18.9
10 18	0 25.49	− 2 38.7	1.462	2.420	8.3	19.1
10 28	0 17.08	− 2 40.2	1.517	2.417	12.6	19.4
11 7	0 11.20	− 2 25.4	1.594	2.413	16.3	19.6
70232 1999 RA_{60}			10 3.9 38.°49		2.°7/ 6.1	18
8 29	1 4.22	+12 33.1	1.395	2.234	18.3	18.7
9 8	1 0.20	+12 32.6	1.337	2.247	14.4	18.5
9 18	0 53.62	+12 11.4	1.299	2.260	9.8	18.3
9 28	0 45.31	+11 31.9	1.284	2.274	5.1	18.1
10 8	0 36.46	+10 39.7	1.294	2.289	2.9	18.0
10 18	0 28.33	+ 9 42.5	1.329	2.304	6.7	18.2
10 28	0 22.04	+ 8 49.1	1.390	2.320	11.1	18.5
11 7	0 18.30	+ 8 6.5	1.472	2.336	15.0	18.8
63286 2001 DZ_{68}			10 3.9 338.°94		0.°5/ 3.1	18
8 29	0 54.57	+ 3 58.7	3.974	4.807	7.5	19.0
9 8	0 51.45	+ 3 28.2	3.889	4.804	5.6	18.9
9 18	0 47.46	+ 2 52.5	3.830	4.800	3.5	18.8
9 28	0 42.88	+ 2 13.8	3.799	4.797	1.3	18.6
10 8	0 38.09	+ 1 34.6	3.798	4.793	1.2	18.6
10 18	0 33.46	+ 0 57.6	3.828	4.790	3.5	18.8
10 28	0 29.38	+ 0 25.4	3.887	4.787	5.6	18.9
11 7	0 26.15	+ 0 0.0	3.971	4.784	7.5	19.0
260172 2004 RX_{95}			10 3.9 52.°10		2.°8/ 6.9	18
8 29	1 1.58	+15 3.3	2.042	2.850	14.4	20.1
9 8	0 57.56	+14 50.3	1.967	2.857	11.5	20.0
9 18	0 51.68	+14 20.0	1.914	2.863	8.1	19.8
9 28	0 44.55	+13 33.9	1.885	2.870	4.6	19.6
10 8	0 36.97	+12 36.2	1.884	2.877	2.8	19.5
10 18	0 29.80	+11 32.4	1.911	2.884	5.3	19.6
10 28	0 23.88	+10 29.4	1.965	2.891	8.7	19.9
11 7	0 19.81	+ 9 33.4	2.044	2.898	11.9	20.1
76328 2000 EG_{148}			10 3.9 143.°28		0.°0/ 3.7	18
8 29	1 6.72	+ 5 20.8	2.123	2.955	13.1	19.6
9 8	1 1.29	+ 5 13.1	2.049	2.961	10.0	19.4
9 18	0 53.99	+ 4 56.0	1.998	2.966	6.4	19.2
9 28	0 45.42	+ 4 32.4	1.974	2.971	2.4	18.9
10 8	0 36.39	+ 4 6.0	1.979	2.976	1.6	18.9
10 18	0 27.80	+ 3 41.2	2.013	2.980	5.6	19.1
10 28	0 20.49	+ 3 22.4	2.075	2.984	9.2	19.4
11 7	0 15.04	+ 3 12.7	2.161	2.988	12.3	19.6
134048 2004 XH_{23}			10 3.9 327.°04		9.°6/23.4	18
8 29	1 1.80	−20 20.2	1.856	2.723	13.2	18.5
9 8	0 58.02	−21 46.4	1.796	2.708	11.2	18.3
9 18	0 52.12	−23 4.2	1.759	2.693	9.8	18.2
9 28	0 44.76	−24 4.4	1.746	2.679	9.7	18.2
10 8	0 36.85	−24 39.5	1.757	2.665	11.1	18.2
10 18	0 29.40	−24 45.0	1.791	2.652	13.2	18.4
10 28	0 23.35	−24 20.3	1.846	2.639	15.6	18.5
11 7	0 19.38	−23 28.0	1.919	2.627	17.8	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
12666 1978 XW			10 3.9 278.°85		0.°9/ 2.9	18
	h m	° ′			°	m
8 29	1 1.77	+ 3 53.0	2.269	3.112	12.0	18.6
9 8	0 57.64	+ 3 20.1	2.175	3.094	9.1	18.4
9 18	0 51.75	+ 2 37.6	2.104	3.076	5.8	18.1
9 28	0 44.62	+ 1 48.9	2.060	3.057	2.1	17.8
10 8	0 36.93	+ 0 59.0	2.044	3.039	2.2	17.8
10 18	0 29.47	+ 0 12.9	2.057	3.020	5.9	18.0
10 28	0 23.04	− 0 24.3	2.098	3.002	9.4	18.2
11 7	0 18.26	− 0 49.0	2.163	2.983	12.6	18.4
374280 2005 PP_{14}			10 3.9 37.°30		1.°2/ 3.1	17
8 29	1 5.63	+ 3 39.8	1.233	2.103	18.3	20.4
9 8	1 1.46	+ 3 16.4	1.181	2.114	13.8	20.2
9 18	0 54.50	+ 2 39.6	1.149	2.126	8.6	19.9
9 28	0 45.67	+ 1 55.2	1.139	2.138	3.2	19.6
10 8	0 36.29	+ 1 11.1	1.155	2.150	3.1	19.7
10 18	0 27.75	+ 0 35.0	1.195	2.164	8.3	20.0
10 28	0 21.25	+ 0 13.5	1.259	2.177	13.1	20.4
11 7	0 17.53	+ 0 9.8	1.343	2.192	17.1	20.7
478220 2011 UL_{312}			10 3.9 71.°00		4.°5/30.7	17
8 29	1 12.16	− 7 45.3	1.777	2.632	14.3	20.5
9 8	1 5.36	− 8 4.9	1.733	2.657	10.8	20.3
9 18	0 56.46	− 8 23.6	1.713	2.681	7.2	20.1
9 28	0 46.29	− 8 35.6	1.719	2.706	4.7	20.0
10 8	0 35.91	− 8 36.3	1.753	2.730	5.5	20.1
10 18	0 26.38	− 8 22.8	1.815	2.754	8.5	20.4
10 28	0 18.57	− 7 54.1	1.904	2.778	11.7	20.6
11 7	0 13.05	− 7 11.2	2.014	2.802	14.5	20.9
348131 2004 BG_{89}			10 3.9 184.°94		7.°7/14.4	18
8 29	1 8.02	+33 39.9	2.817	3.472	14.1	22.0
9 8	1 2.32	+34 21.1	2.721	3.472	12.5	21.8
9 18	0 54.72	+34 42.4	2.644	3.471	10.8	21.7
9 28	0 45.75	+34 41.1	2.589	3.470	9.1	21.6
10 8	0 36.18	+34 16.5	2.559	3.468	8.0	21.5
10 18	0 26.85	+33 30.4	2.556	3.466	7.8	21.5
10 28	0 18.64	+32 27.5	2.580	3.463	8.7	21.5
11 7	0 12.22	+31 14.5	2.630	3.459	10.3	21.7
375160 2008 CN_{140}			10 3.9 288.°74		1.°2/ 4.9	18
8 29	1 5.67	+ 8 58.6	1.419	2.267	17.6	21.8
9 8	1 1.68	+ 8 52.0	1.334	2.251	13.8	21.5
9 18	0 54.89	+ 8 27.6	1.268	2.236	9.2	21.2
9 28	0 45.96	+ 7 47.5	1.225	2.220	4.0	20.8
10 8	0 36.02	+ 6 57.2	1.207	2.205	2.2	20.7
10 18	0 26.45	+ 6 4.2	1.216	2.189	7.5	21.0
10 28	0 18.60	+ 5 17.3	1.249	2.174	12.6	21.2
11 7	0 13.47	+ 4 43.9	1.303	2.159	17.1	21.5
355760 2008 RQ_{10}			10 3.9 321.°74		0.°1/ 3.7	18
8 29	0 56.39	+ 4 46.0	3.953	4.780	7.6	20.7
9 8	0 52.83	+ 4 31.9	3.864	4.774	5.8	20.6
9 18	0 48.35	+ 4 12.7	3.800	4.768	3.6	20.4
9 28	0 43.25	+ 3 50.1	3.765	4.762	1.4	20.3
10 8	0 37.92	+ 3 26.4	3.760	4.756	1.0	20.2
10 18	0 32.75	+ 3 3.7	3.785	4.750	3.3	20.4
10 28	0 28.13	+ 2 44.6	3.839	4.745	5.5	20.5
11 7	0 24.40	+ 2 30.8	3.920	4.739	7.4	20.7
476854 2008 UV_{330}			10 3.9 341.°19		0.°3/ 4.3	18
8 29	1 1.86	+ 7 47.9	1.447	2.303	16.9	21.2
9 8	0 58.52	+ 7 24.2	1.373	2.297	13.0	21.0
9 18	0 52.69	+ 6 43.3	1.319	2.291	8.4	20.7
9 28	0 45.05	+ 5 49.0	1.289	2.286	3.3	20.4
10 8	0 36.69	+ 4 48.2	1.284	2.281	2.0	20.3
10 18	0 28.81	+ 3 49.0	1.304	2.277	7.2	20.6
10 28	0 22.58	+ 2 59.6	1.350	2.274	12.0	20.9
11 7	0 18.81	+ 2 26.2	1.417	2.271	16.1	21.1
506927 2008 FE_{18}			10 3.9 188.°94		0.°8/ 3.2	17
8 29	1 5.76	+ 5 59.4	1.882	2.721	14.3	22.5
9 8	1 0.86	+ 5 7.9	1.804	2.721	10.8	22.2
9 18	0 53.88	+ 4 2.6	1.749	2.720	6.8	22.0
9 28	0 45.44	+ 2 48.3	1.720	2.718	2.5	21.7
10 8	0 36.45	+ 1 31.7	1.720	2.715	2.3	21.7
10 18	0 27.90	+ 0 20.4	1.748	2.712	6.7	22.0
10 28	0 20.73	− 0 38.9	1.804	2.708	10.7	22.2
11 7	0 15.62	− 1 21.6	1.883	2.703	14.1	22.4
198598 2005 AD_6			10 3.9 268.°54		1.°2/ 5.3	17
8 29	1 2.50	+ 9 53.1	2.524	3.340	11.8	20.8
9 8	0 58.04	+ 9 45.7	2.425	3.324	9.2	20.6
9 18	0 51.96	+ 9 27.1	2.349	3.309	6.2	20.4
9 28	0 44.71	+ 8 59.1	2.300	3.293	2.9	20.2
10 8	0 36.93	+ 8 24.4	2.280	3.277	1.6	20.1
10 18	0 29.36	+ 7 47.1	2.289	3.260	4.7	20.3
10 28	0 22.73	+ 7 11.7	2.327	3.244	8.0	20.5
11 7	0 17.63	+ 6 42.4	2.390	3.227	11.0	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
397405	2006 WS_{166}	10 3.9	37.°67	5.°7/28.8	18	
	h m	° ′			°	m
8 29	1 5.14	−10 4.1	1.897	2.763	13.0	21.2
9 8	1 0.26	−10 53.8	1.839	2.766	10.0	21.0
9 18	0 53.40	−11 42.2	1.804	2.769	7.2	20.8
9 28	0 45.22	−12 22.4	1.795	2.772	5.7	20.7
10 8	0 36.63	−12 48.3	1.812	2.776	6.8	20.8
10 18	0 28.59	−12 55.7	1.857	2.779	9.5	21.0
10 28	0 21.95	−12 43.0	1.925	2.782	12.5	21.2
11 7	0 17.33	−12 10.7	2.015	2.786	15.1	21.4
482746	2013 EM_{128}	10 3.9	226.°11	4.°2/29.3	18	
8 29	1 5.22	− 7 36.6	2.439	3.292	11.0	22.2
9 8	1 0.04	− 8 25.4	2.359	3.281	8.4	22.0
9 18	0 53.17	− 9 15.5	2.303	3.270	5.8	21.8
9 28	0 45.14	−10 1.7	2.276	3.258	4.2	21.7
10 8	0 36.66	−10 38.7	2.277	3.245	5.2	21.8
10 18	0 28.48	−11 2.2	2.307	3.232	7.8	21.9
10 28	0 21.36	−11 9.7	2.363	3.219	10.5	22.1
11 7	0 15.87	−11 0.3	2.443	3.205	13.0	22.2
350465	1998 QM_{111}	10 3.9	8.°53	1.°2/ 4.8	18	
8 29	1 2.83	+ 7 16.0	1.218	2.085	18.7	19.9
9 8	0 59.54	+ 7 31.8	1.159	2.087	14.4	19.6
9 18	0 53.44	+ 7 31.7	1.118	2.091	9.5	19.4
9 28	0 45.34	+ 7 18.5	1.100	2.096	4.1	19.1
10 8	0 36.54	+ 6 57.1	1.105	2.102	2.2	19.0
10 18	0 28.43	+ 6 34.2	1.134	2.110	7.5	19.3
10 28	0 22.29	+ 6 17.0	1.187	2.119	12.4	19.6
11 7	0 18.93	+ 6 11.0	1.260	2.130	16.7	19.9
48884	1998 HJ_{149}	10 3.9	80.°91	0.°0/ 3.7	18	
8 29	1 9.17	+ 6 37.6	1.433	2.281	17.5	19.5
9 8	1 3.71	+ 6 13.7	1.383	2.303	13.2	19.3
9 18	0 55.71	+ 5 34.9	1.354	2.324	8.4	19.1
9 28	0 46.10	+ 4 46.1	1.349	2.346	3.2	18.8
10 8	0 36.09	+ 3 54.2	1.370	2.367	2.1	18.8
10 18	0 26.94	+ 3 6.6	1.418	2.388	7.2	19.2
10 28	0 19.73	+ 2 30.1	1.492	2.408	11.6	19.5
11 7	0 15.10	+ 2 8.7	1.588	2.429	15.3	19.8
323571	2004 TV_{116}	10 3.9	354.°14	2.°4/ 6.7	18	
8 29	0 59.46	+14 59.8	2.029	2.842	14.4	20.0
9 8	0 56.04	+14 31.5	1.947	2.840	11.4	19.8
9 18	0 50.79	+13 44.7	1.887	2.839	8.0	19.6
9 28	0 44.27	+12 41.4	1.851	2.838	4.4	19.4
10 8	0 37.26	+11 26.4	1.843	2.837	2.5	19.3
10 18	0 30.62	+10 6.2	1.863	2.837	5.2	19.4
10 28	0 25.17	+ 8 48.2	1.910	2.836	8.8	19.7
11 7	0 21.52	+ 7 39.3	1.982	2.836	12.2	19.9
237310	2008 YJ_{110}	10 3.9	122.°06	1.°0/ 5.5	17	
8 29	0 59.75	+10 3.7	3.434	4.240	9.2	20.6
9 8	0 55.44	+ 9 56.2	3.354	4.248	7.1	20.5
9 18	0 50.03	+ 9 40.5	3.299	4.256	4.7	20.3
9 28	0 43.91	+ 9 18.2	3.272	4.263	2.3	20.2
10 8	0 37.53	+ 8 51.6	3.275	4.271	1.2	20.1
10 18	0 31.39	+ 8 23.2	3.308	4.278	3.5	20.3
10 28	0 25.96	+ 7 56.1	3.370	4.285	5.8	20.5
11 7	0 21.61	+ 7 33.1	3.460	4.292	8.0	20.6
490574	2009 WR_{76}	10 3.9	240.°88	6.°3/13.8	17	
8 29	1 2.10	+31 50.2	3.176	3.847	12.4	22.3
9 8	0 57.64	+32 2.4	3.063	3.832	10.9	22.1
9 18	0 51.66	+31 56.3	2.971	3.816	9.2	22.0
9 28	0 44.59	+31 30.5	2.901	3.801	7.6	21.9
10 8	0 37.04	+30 45.0	2.857	3.785	6.5	21.8
10 18	0 29.66	+29 42.3	2.840	3.768	6.4	21.7
10 28	0 23.16	+28 26.6	2.852	3.751	7.4	21.8
11 7	0 18.07	+27 3.8	2.891	3.734	9.1	21.9
119823	2002 BB_2	10 3.9	154.°76	1.°9/ 1.6	18	
8 29	1 1.17	+ 1 22.6	2.435	3.282	11.2	19.8
9 8	0 56.91	+ 0 23.9	2.364	3.287	8.3	19.6
9 18	0 51.14	− 0 42.1	2.318	3.292	5.2	19.4
9 28	0 44.37	− 1 51.0	2.300	3.296	2.3	19.3
10 8	0 37.25	− 2 57.0	2.311	3.300	3.0	19.3
10 18	0 30.49	− 3 55.0	2.351	3.303	6.0	19.5
10 28	0 24.74	− 4 40.7	2.419	3.307	9.1	19.7
11 7	0 20.50	− 5 11.6	2.511	3.310	11.7	19.9
22294	Simmons	10 3.9	345.°36	4.°4/ 6.7	18	
8 29	0 59.63	+13 8.4	1.012	1.879	21.6	17.4
9 8	0 57.88	+13 40.4	0.943	1.866	17.4	17.1
9 18	0 52.87	+13 47.7	0.889	1.855	12.4	16.8
9 28	0 45.30	+13 29.4	0.856	1.845	7.2	16.5
10 8	0 36.56	+12 49.4	0.843	1.837	4.5	16.3
10 18	0 28.35	+11 56.0	0.852	1.831	8.5	16.6
10 28	0 22.36	+11 1.1	0.882	1.826	14.0	16.8
11 7	0 19.67	+10 16.0	0.930	1.823	19.0	17.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
204009	2003 UD_{27}	10 3.9	1.°24	4.°4/30.6	18	
	h m	° ′			°	m
8 29	0 57.60	− 1 30.3	1.126	2.023	17.7	18.9
9 8	0 55.70	− 2 30.5	1.071	2.020	13.3	18.6
9 18	0 51.04	− 3 41.2	1.036	2.018	8.5	18.4
9 28	0 44.46	− 4 52.6	1.023	2.018	4.7	18.2
10 8	0 37.20	− 5 53.6	1.033	2.020	6.2	18.3
10 18	0 30.63	− 6 34.9	1.066	2.023	10.7	18.5
10 28	0 25.97	− 6 50.6	1.120	2.028	15.3	18.8
11 7	0 23.98	− 6 39.4	1.192	2.035	19.2	19.1
216121	2006 ST_{56}	10 3.9	17.°66	8.°4/29.9	18	
8 29	1 4.53	−10 8.2	0.817	1.729	21.0	18.5
9 8	1 1.46	−10 42.5	0.786	1.738	16.2	18.3
9 18	0 54.80	−11 11.9	0.772	1.750	11.4	18.1
9 28	0 45.83	−11 24.8	0.777	1.764	8.5	18.0
10 8	0 36.38	−11 12.3	0.802	1.780	9.8	18.1
10 18	0 28.26	−10 31.2	0.847	1.798	13.8	18.4
10 28	0 22.87	− 9 22.9	0.911	1.818	18.2	18.7
11 7	0 20.87	− 7 52.8	0.992	1.839	21.9	19.1
167921	2005 ET_{118}	10 3.9	263.°77	6.°0/ 9.1	18	
8 29	1 7.35	+20 53.6	1.972	2.743	16.1	20.2
9 8	1 2.39	+21 34.4	1.876	2.731	13.5	20.0
9 18	0 55.09	+21 56.4	1.801	2.720	10.5	19.8
9 28	0 46.02	+21 57.3	1.749	2.708	7.6	19.6
10 8	0 36.09	+21 37.4	1.723	2.696	6.0	19.5
10 18	0 26.39	+20 59.9	1.724	2.684	7.1	19.5
10 28	0 18.05	+20 11.0	1.752	2.672	9.9	19.7
11 7	0 11.92	+19 18.8	1.804	2.660	13.1	19.9
337032	1995 SB_{48}	10 3.9	296.°21	0.°9/ 3.4	18	
8 29	1 9.13	+ 2 1.2	1.671	2.521	15.3	20.6
9 8	1 3.84	+ 2 7.5	1.585	2.508	11.7	20.3
9 18	0 56.04	+ 2 6.1	1.522	2.494	7.5	20.0
9 28	0 46.37	+ 2 0.2	1.484	2.481	2.8	19.7
10 8	0 35.88	+ 1 53.9	1.473	2.469	2.5	19.7
10 18	0 25.76	+ 1 51.7	1.489	2.456	7.3	19.9
10 28	0 17.20	+ 1 58.0	1.532	2.443	11.7	20.2
11 7	0 11.07	+ 2 15.5	1.597	2.431	15.6	20.4
515650	2014 OZ_{37}	10 3.9	91.°14	1.°4/ 2.4	18	
8 29	1 1.94	+ 2 26.8	2.209	3.056	12.1	22.0
9 8	0 57.61	+ 1 45.1	2.142	3.065	9.1	21.8
9 18	0 51.63	+ 0 55.3	2.100	3.073	5.6	21.6
9 28	0 44.57	+ 0 1.8	2.085	3.082	2.2	21.4
10 8	0 37.15	− 0 50.0	2.098	3.090	2.6	21.4
10 18	0 30.16	− 1 35.2	2.140	3.099	6.0	21.7
10 28	0 24.29	− 2 9.3	2.209	3.107	9.3	21.9
11 7	0 20.09	− 2 29.8	2.302	3.115	12.1	22.1
265153	2003 WC_{37}	10 3.9	316.°04	5.°8/ 7.9	18	
8 29	1 3.81	+17 16.6	1.285	2.113	20.2	20.3
9 8	1 0.67	+17 48.6	1.201	2.098	16.7	20.0
9 18	0 54.48	+17 56.0	1.135	2.083	12.5	19.7
9 28	0 45.91	+17 36.3	1.090	2.069	8.1	19.4
10 8	0 36.16	+16 51.6	1.067	2.055	5.8	19.3
10 18	0 26.76	+15 48.2	1.069	2.042	8.2	19.4
10 28	0 19.27	+14 37.1	1.093	2.030	12.8	19.6
11 7	0 14.80	+13 30.0	1.139	2.018	17.3	19.8
119100	2001 OZ_{41}	10 3.9	32.°79	4.°4/ 7.6	18	
8 29	1 3.72	+16 31.6	1.346	2.174	19.5	19.6
9 8	1 0.08	+16 37.8	1.283	2.181	15.7	19.4
9 18	0 53.73	+16 18.8	1.238	2.189	11.3	19.2
9 28	0 45.47	+15 35.3	1.214	2.197	6.8	18.9
10 8	0 36.54	+14 32.4	1.215	2.206	4.4	18.8
10 18	0 28.28	+13 18.4	1.241	2.216	7.1	19.0
10 28	0 21.92	+12 4.0	1.292	2.226	11.4	19.3
11 7	0 18.25	+10 58.9	1.364	2.237	15.5	19.6
296424	2009 HM_{31}	10 3.9	11.°47	6.°8/29.4	18	
8 29	1 2.52	− 5 48.4	1.014	1.915	18.9	19.9
9 8	0 59.63	− 7 0.3	0.968	1.916	14.3	19.7
9 18	0 53.62	− 8 17.1	0.940	1.919	9.7	19.4
9 28	0 45.44	− 9 26.4	0.934	1.923	6.9	19.3
10 8	0 36.60	−10 16.1	0.950	1.929	8.6	19.4
10 18	0 28.67	−10 38.0	0.988	1.935	12.9	19.7
10 28	0 23.01	−10 28.6	1.046	1.943	17.3	20.0
11 7	0 20.39	− 9 49.8	1.121	1.951	21.1	20.2
301399	2009 DR_{32}	10 3.9	329.°97	2.°0/ 2.1	18	
8 29	1 1.22	+ 2 32.3	1.704	2.566	14.5	20.3
9 8	0 57.66	+ 1 39.3	1.630	2.560	10.9	20.1
9 18	0 51.97	+ 0 34.5	1.579	2.555	6.8	19.8
9 28	0 44.78	− 0 36.2	1.552	2.550	2.8	19.6
10 8	0 37.02	− 1 45.1	1.553	2.545	3.4	19.6
10 18	0 29.70	− 2 44.7	1.581	2.541	7.6	19.9
10 28	0 23.76	− 3 28.8	1.634	2.537	11.7	20.1
11 7	0 19.92	− 3 53.7	1.708	2.533	15.2	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
448411	2009 SR_{91}	10 3.9	29.°19	1.°0/	3.0	17
	h m	° ′			°	m
8 29	1 0.87	+ 4 25.4	1.838	2.692	13.9	21.4
9 8	0 57.12	+ 3 46.8	1.775	2.700	10.5	21.2
9 18	0 51.47	+ 2 57.2	1.734	2.708	6.5	21.0
9 28	0 44.55	+ 2 1.2	1.719	2.717	2.4	20.7
10 8	0 37.21	+ 1 5.2	1.731	2.726	2.4	20.7
10 18	0 30.36	+ 0 15.1	1.770	2.736	6.4	21.0
10 28	0 24.83	− 0 23.4	1.836	2.746	10.2	21.3
11 7	0 21.21	− 0 47.0	1.925	2.756	13.4	21.5
111932	2002 GG_{33}	10 3.9	126.°34	2.°5/28.9		18
8 29	0 55.40	− 7 50.8	4.298	5.151	6.6	20.0
9 8	0 52.01	− 8 28.1	4.229	5.152	5.0	19.9
9 18	0 47.81	− 9 5.5	4.186	5.152	3.4	19.8
9 28	0 43.09	− 9 40.4	4.172	5.153	2.5	19.7
10 8	0 38.19	−10 10.1	4.187	5.153	3.2	19.8
10 18	0 33.45	−10 32.6	4.232	5.153	4.7	19.9
10 28	0 29.23	−10 46.3	4.304	5.154	6.3	20.0
11 7	0 25.83	−10 50.3	4.401	5.154	7.8	20.1
25777	2000 CE_{34}	10 3.9	330.°21	2.°1/	1.7	18
8 29	0 59.21	+ 1 32.2	1.903	2.765	13.2	18.1
9 8	0 55.97	+ 0 41.2	1.823	2.753	9.9	17.8
9 18	0 50.83	− 0 19.9	1.765	2.742	6.2	17.6
9 28	0 44.35	− 1 25.5	1.734	2.731	2.7	17.4
10 8	0 37.33	− 2 29.0	1.730	2.720	3.4	17.4
10 18	0 30.63	− 3 23.8	1.753	2.711	7.2	17.6
10 28	0 25.14	− 4 4.2	1.802	2.701	11.0	17.8
11 7	0 21.50	− 4 26.9	1.873	2.692	14.2	18.0
267800	2003 SK_{279}	10 3.9	355.°75	6.°2/27.7		18
8 29	0 57.03	− 7 29.1	1.555	2.443	14.2	19.5
9 8	0 54.63	− 8 56.9	1.496	2.437	10.8	19.3
9 18	0 50.09	−10 27.7	1.460	2.433	7.7	19.1
9 28	0 44.08	−11 52.1	1.448	2.429	6.2	19.0
10 8	0 37.54	−13 0.5	1.461	2.427	7.8	19.1
10 18	0 31.49	−13 45.7	1.499	2.426	11.0	19.3
10 28	0 26.88	−14 3.9	1.559	2.426	14.4	19.5
11 7	0 24.36	−13 55.1	1.639	2.427	17.3	19.7
239119	2006 HR_{103}	10 3.9	46.°45	4.°9/28.9		18
8 29	1 0.43	− 2 22.6	1.506	2.385	15.1	19.6
9 8	0 57.07	− 4 13.0	1.460	2.399	11.2	19.4
9 18	0 51.53	− 6 11.0	1.437	2.413	7.3	19.2
9 28	0 44.58	− 8 5.8	1.439	2.428	4.9	19.1
10 8	0 37.24	− 9 46.5	1.468	2.443	6.6	19.3
10 18	0 30.55	−11 4.5	1.523	2.459	10.1	19.5
10 28	0 25.43	−11 54.9	1.601	2.474	13.7	19.8
11 7	0 22.49	−12 17.0	1.699	2.490	16.7	20.0
127656	2003 DV_{8}	10 3.9	134.°48	1.°5/	2.6	18
8 29	1 6.55	+ 2 54.2	1.864	2.710	14.1	20.6
9 8	1 1.37	+ 2 13.6	1.799	2.720	10.6	20.4
9 18	0 54.15	+ 1 23.2	1.757	2.730	6.6	20.2
9 28	0 45.57	+ 0 28.0	1.742	2.739	2.5	20.0
10 8	0 36.56	− 0 25.9	1.754	2.748	2.8	20.0
10 18	0 28.10	− 1 12.2	1.796	2.756	6.8	20.3
10 28	0 21.08	− 1 46.0	1.863	2.764	10.6	20.5
11 7	0 16.12	− 2 4.2	1.954	2.771	13.8	20.8
419736	2010 VB_{52}	10 3.9	155.°73	3.°8/	1.0	17
8 29	1 8.71	− 2 36.0	1.559	2.422	15.5	21.4
9 8	1 3.41	− 3 22.4	1.496	2.426	11.7	21.2
9 18	0 55.64	− 4 15.1	1.455	2.430	7.5	21.0
9 28	0 46.18	− 5 7.1	1.440	2.433	4.1	20.8
10 8	0 36.16	− 5 50.6	1.451	2.435	5.1	20.9
10 18	0 26.78	− 6 19.3	1.488	2.438	9.1	21.1
10 28	0 19.14	− 6 29.0	1.551	2.440	13.1	21.4
11 7	0 13.97	− 6 18.6	1.634	2.442	16.5	21.6
269538	2009 VZ_{85}	10 3.9	84.°46	0.°0/	3.8	16
8 29	1 5.81	+ 7 30.1	1.578	2.423	16.3	21.0
9 8	1 1.09	+ 6 53.8	1.520	2.439	12.4	20.8
9 18	0 54.08	+ 6 2.0	1.484	2.454	7.9	20.6
9 28	0 45.56	+ 4 59.8	1.473	2.470	3.0	20.3
10 8	0 36.60	+ 3 54.0	1.488	2.485	2.0	20.3
10 18	0 28.32	+ 2 52.5	1.531	2.500	6.7	20.6
10 28	0 21.72	+ 2 2.3	1.599	2.515	11.0	20.9
11 7	0 17.43	+ 1 27.9	1.690	2.530	14.6	21.2
355836	2008 UN_{15}	10 3.9	352.°86	0.°6/	4.9	18
8 29	0 56.62	+ 8 11.7	4.023	4.836	7.8	20.4
9 8	0 53.01	+ 8 3.9	3.935	4.835	6.0	20.3
9 18	0 48.50	+ 7 49.9	3.873	4.834	3.9	20.1
9 28	0 43.38	+ 7 31.1	3.839	4.833	1.7	20.0
10 8	0 38.03	+ 7 9.5	3.835	4.832	0.9	19.9
10 18	0 32.84	+ 6 47.1	3.862	4.831	3.0	20.1
10 28	0 28.22	+ 6 26.4	3.917	4.831	5.2	20.2
11 7	0 24.47	+ 6 9.6	4.000	4.830	7.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
16845	1997 XA_{9}	10 3.9	296.°89	1.°4/	2.5	18
	h m	° ′			°	m
8 29	1 1.94	+ 2 51.7	1.993	2.845	13.1	17.9
9 8	0 57.92	+ 2 11.9	1.914	2.838	9.9	17.7
9 18	0 52.02	+ 1 22.1	1.858	2.832	6.2	17.5
9 28	0 44.80	+ 0 27.1	1.829	2.826	2.4	17.2
10 8	0 37.07	− 0 27.5	1.827	2.820	2.7	17.2
10 18	0 29.70	− 1 15.5	1.853	2.814	6.6	17.5
10 28	0 23.53	− 1 51.9	1.906	2.808	10.3	17.7
11 7	0 19.21	− 2 13.2	1.981	2.803	13.5	17.9
249364	2008 YN_{153}	10 3.9	52.°84	1.°4/	5.2	18
8 29	1 4.58	+10 9.0	1.602	2.440	16.4	20.5
9 8	1 0.19	+ 9 55.6	1.542	2.454	12.7	20.3
9 18	0 53.53	+ 9 25.5	1.503	2.468	8.4	20.1
9 28	0 45.37	+ 8 41.8	1.489	2.482	3.8	19.9
10 8	0 36.73	+ 7 50.1	1.500	2.497	2.0	19.8
10 18	0 28.73	+ 6 57.4	1.539	2.512	6.2	20.1
10 28	0 22.36	+ 6 10.7	1.604	2.527	10.4	20.4
11 7	0 18.26	+ 5 35.6	1.691	2.543	14.0	20.7
186854	2004 GE_{42}	10 3.9	45.°97	4.°2/30.6		16
8 29	1 3.30	− 0 14.2	1.198	2.082	17.8	19.7
9 8	0 59.58	− 1 39.4	1.162	2.103	13.2	19.5
9 18	0 53.23	− 3 14.4	1.145	2.124	8.3	19.3
9 28	0 45.23	− 4 48.3	1.152	2.147	4.4	19.2
10 8	0 36.87	− 6 9.7	1.184	2.169	5.9	19.3
10 18	0 29.45	− 7 9.6	1.240	2.193	10.2	19.6
10 28	0 24.03	− 7 43.0	1.319	2.216	14.3	19.9
11 7	0 21.21	− 7 49.6	1.417	2.240	17.8	20.2
442490	2011 VV	10 3.9	14.°48	0.°9/	3.1	18
8 29	1 1.37	+ 5 32.2	1.851	2.701	14.0	21.3
9 8	0 57.58	+ 4 40.9	1.779	2.701	10.6	21.1
9 18	0 51.83	+ 3 36.4	1.729	2.702	6.7	20.8
9 28	0 44.73	+ 2 23.6	1.704	2.702	2.4	20.6
10 8	0 37.14	+ 1 9.6	1.708	2.703	2.4	20.6
10 18	0 29.98	+ 0 1.4	1.739	2.704	6.6	20.9
10 28	0 24.13	− 0 54.3	1.797	2.705	10.5	21.1
11 7	0 20.22	− 1 33.4	1.878	2.706	13.9	21.3
303590	2005 GM_{173}	10 3.9	82.°88	1.°6/	2.3	18
8 29	1 2.84	+ 3 5.0	1.860	2.713	13.8	20.9
9 8	0 58.58	+ 2 13.1	1.797	2.722	10.3	20.7
9 18	0 52.39	+ 1 10.8	1.757	2.732	6.4	20.5
9 28	0 44.92	+ 0 3.6	1.744	2.741	2.5	20.3
10 8	0 37.04	− 1 1.6	1.758	2.751	3.0	20.3
10 18	0 29.67	− 1 58.3	1.800	2.760	6.9	20.6
10 28	0 23.66	− 2 41.1	1.868	2.769	10.6	20.8
11 7	0 19.59	− 3 7.0	1.960	2.779	13.7	21.1
46177	2001 FW_{97}	10 3.9	63.°11	2.°7/30.5		18
8 29	0 59.17	+ 0 40.3	2.169	3.026	11.9	18.6
9 8	0 55.54	− 0 47.9	2.110	3.039	8.8	18.4
9 18	0 50.34	− 2 24.1	2.077	3.052	5.5	18.3
9 28	0 44.12	− 4 1.6	2.072	3.066	2.9	18.1
10 8	0 37.58	− 5 33.1	2.095	3.079	3.9	18.2
10 18	0 31.47	− 6 52.2	2.148	3.093	7.0	18.4
10 28	0 26.46	− 7 54.0	2.227	3.106	10.1	18.6
11 7	0 23.05	− 8 36.0	2.329	3.120	12.7	18.9
190788	2001 RT_{17}	10 3.9	209.°27	7.°2/	7.7	18
8 29	1 43.33	+21 56.4	1.552	2.269	21.8	22.1
9 8	1 31.49	+22 27.6	1.436	2.261	18.4	21.8
9 18	1 14.80	+22 31.5	1.339	2.249	14.2	21.5
9 28	0 53.96	+21 59.6	1.270	2.231	9.6	21.2
10 8	0 30.76	+20 48.4	1.232	2.210	7.2	21.0
10 18	0 7.78	+19 3.7	1.229	2.183	10.0	21.1
10 28	23 47.62	+17 1.3	1.258	2.152	15.2	21.3
11 7	23 31.94	+15 0.2	1.315	2.115	20.2	21.5
407114	2009 SZ_{304}	10 3.9	335.°82	1.°8/	5.6	17
8 29	1 4.99	+ 9 39.8	1.981	2.807	14.2	21.0
9 8	1 0.33	+ 9 56.7	1.897	2.801	11.1	20.8
9 18	0 53.63	+10 1.5	1.835	2.795	7.5	20.6
9 28	0 45.45	+ 9 55.3	1.798	2.789	3.7	20.4
10 8	0 36.66	+ 9 40.9	1.788	2.784	2.1	20.2
10 18	0 28.20	+ 9 22.2	1.807	2.779	5.6	20.5
10 28	0 21.01	+ 9 4.0	1.853	2.775	9.4	20.7
11 7	0 15.81	+ 8 51.0	1.923	2.771	12.7	20.9
220502	2004 DG_{21}	10 3.9	212.°81	1.°9/	5.6	17
8 29	1 6.89	+11 26.9	1.770	2.592	15.7	21.1
9 8	1 2.01	+11 16.3	1.686	2.588	12.4	20.8
9 18	0 54.81	+10 48.7	1.624	2.583	8.4	20.6
9 28	0 45.93	+10 5.9	1.586	2.578	4.1	20.3
10 8	0 36.35	+ 9 12.5	1.576	2.572	2.2	20.2
10 18	0 27.17	+ 8 14.9	1.593	2.566	6.2	20.4
10 28	0 19.48	+ 7 20.6	1.638	2.559	10.4	20.7
11 7	0 14.04	+ 6 36.0	1.705	2.552	14.2	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261671	2005 YH_{163}		10	3.9	148.°77	5.°0/27.2 18
	h m	° ′			°	m
8 29	1 1.87	−11 40.2	2.674	3.531	10.0	20.5
9 8	0 57.31	−12 47.9	2.618	3.538	7.7	20.4
9 18	0 51.36	−13 53.8	2.587	3.544	5.8	20.3
9 28	0 44.50	−14 52.5	2.584	3.550	5.0	20.2
10 8	0 37.35	−15 38.8	2.610	3.556	6.0	20.3
10 18	0 30.56	−16 9.4	2.663	3.562	8.0	20.4
10 28	0 24.74	−16 22.3	2.742	3.567	10.2	20.6
11 7	0 20.35	−16 17.5	2.843	3.572	12.1	20.8
477176	2009 FX_{34}		10	3.9	292.°37	2.°9/ 1.8 18
8 29	1 8.46	− 2 59.4	1.837	2.693	13.9	20.8
9 8	1 3.03	− 3 11.3	1.759	2.684	10.5	20.5
9 18	0 55.37	− 3 26.9	1.703	2.676	6.8	20.3
9 28	0 46.12	− 3 41.5	1.673	2.668	3.3	20.1
10 8	0 36.25	− 3 50.4	1.671	2.659	4.0	20.1
10 18	0 26.80	− 3 49.2	1.697	2.651	7.8	20.3
10 28	0 18.81	− 3 35.1	1.749	2.643	11.6	20.5
11 7	0 13.00	− 3 6.7	1.824	2.635	14.9	20.7
296463	2009 HT_{83}		10	3.9	84.°48	0.°8/ 4.9 18
8 29	1 0.76	+11 11.2	2.003	2.830	14.0	20.6
9 8	0 56.97	+10 18.2	1.930	2.837	10.8	20.4
9 18	0 51.37	+ 9 8.3	1.880	2.844	7.1	20.2
9 28	0 44.55	+ 7 45.7	1.856	2.850	3.0	19.9
10 8	0 37.32	+ 6 16.6	1.859	2.857	1.5	19.8
10 18	0 30.52	+ 4 48.5	1.892	2.863	5.5	20.1
10 28	0 24.95	+ 3 28.8	1.952	2.870	9.2	20.4
11 7	0 21.19	+ 2 23.0	2.037	2.876	12.5	20.6
22427	1996 DB		10	3.9	114.°93	4.°3/ 9.4 18
8 29	1 8.56	+21 21.1	2.991	3.727	11.9	19.7
9 8	1 2.27	+21 49.0	2.916	3.749	9.8	19.5
9 18	0 54.48	+22 2.7	2.865	3.771	7.6	19.4
9 28	0 45.70	+22 1.7	2.839	3.791	5.5	19.3
10 8	0 36.57	+21 47.0	2.843	3.812	4.3	19.3
10 18	0 27.80	+21 21.3	2.877	3.831	4.9	19.3
10 28	0 20.05	+20 48.4	2.941	3.851	6.8	19.5
11 7	0 13.81	+20 13.1	3.032	3.869	8.9	19.6
267775	2003 SH_{82}		10	3.9	305.°39	1.°6/ 5.1 17
8 29	1 11.46	+ 7 14.4	2.119	2.936	13.7	20.0
9 8	1 5.38	+ 7 55.5	2.010	2.910	10.7	19.7
9 18	0 57.00	+ 8 29.5	1.924	2.883	7.3	19.5
9 28	0 46.83	+ 8 56.2	1.865	2.857	3.5	19.2
10 8	0 35.73	+ 9 16.9	1.835	2.831	2.1	19.0
10 18	0 24.71	+ 9 33.4	1.836	2.805	5.8	19.2
10 28	0 14.86	+ 9 49.0	1.864	2.779	9.8	19.4
11 7	0 7.05	+10 7.0	1.919	2.754	13.3	19.6
204785	2006 KT_{102}		10	3.9	189.°02	1.°8/ 6.0 18 R
8 29	1 2.65	+13 51.2	2.091	2.901	14.1	20.5
9 8	0 58.42	+13 9.5	2.007	2.900	11.1	20.3
9 18	0 52.32	+12 9.6	1.944	2.899	7.6	20.1
9 28	0 44.94	+10 54.2	1.908	2.898	3.8	19.9
10 8	0 37.07	+ 9 28.6	1.901	2.896	2.0	19.7
10 18	0 29.57	+ 7 59.7	1.922	2.894	5.3	20.0
10 28	0 23.29	+ 6 35.3	1.972	2.892	9.0	20.2
11 7	0 18.83	+ 5 21.9	2.046	2.889	12.3	20.4
383129	2005 TZ_{154}		10	4.0	304.°14	2.°1/ 5.4 18
8 29	1 6.71	+ 9 38.0	1.468	2.310	17.4	20.8
9 8	1 2.46	+ 9 54.1	1.382	2.295	13.8	20.5
9 18	0 55.43	+ 9 54.4	1.316	2.281	9.3	20.2
9 28	0 46.28	+ 9 39.8	1.273	2.266	4.5	19.9
10 8	0 36.13	+ 9 13.9	1.256	2.252	2.5	19.7
10 18	0 26.32	+ 8 42.4	1.264	2.239	7.1	20.0
10 28	0 18.20	+ 8 12.7	1.298	2.225	12.0	20.2
11 7	0 12.77	+ 7 51.6	1.353	2.212	16.4	20.5
316131	2009 SW_{15}		10	4.0	42.°94	2.°4/ 6.4 18
8 29	1 3.58	+12 45.2	2.091	2.904	14.0	20.2
9 8	0 59.08	+12 50.2	2.016	2.910	11.0	20.0
9 18	0 52.73	+12 40.8	1.963	2.916	7.6	19.8
9 28	0 45.09	+12 18.2	1.936	2.923	4.2	19.6
10 8	0 36.99	+11 45.6	1.935	2.929	2.5	19.5
10 18	0 29.29	+11 7.5	1.963	2.936	5.2	19.7
10 28	0 22.82	+10 29.5	2.019	2.943	8.6	20.0
11 7	0 18.20	+ 9 56.7	2.099	2.950	11.7	20.2
325072	2008 DD_1		10	4.0	128.°77	2.°5/ 1.7 17
8 29	1 7.30	+ 1 17.4	1.789	2.640	14.4	21.3
9 8	1 1.95	+ 0 14.8	1.731	2.655	10.7	21.1
9 18	0 54.53	− 0 57.1	1.696	2.670	6.7	20.9
9 28	0 45.75	− 2 11.6	1.688	2.684	3.0	20.7
10 8	0 36.59	− 3 21.3	1.708	2.697	3.8	20.8
10 18	0 28.04	− 4 19.3	1.756	2.710	7.6	21.0
10 28	0 21.03	− 5 0.4	1.831	2.722	11.3	21.3
11 7	0 16.14	− 5 22.4	1.928	2.733	14.5	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
327590	2006 DQ_{166}		10	4.0	310.°78	0.°0/ 4.1 18
	h m	° ′			°	m
8 29	1 4.78	+ 5 10.2	2.229	3.063	12.5	20.7
9 8	0 59.91	+ 5 10.2	2.146	3.058	9.6	20.5
9 18	0 53.23	+ 5 1.8	2.085	3.053	6.1	20.3
9 28	0 45.30	+ 4 47.1	2.052	3.049	2.4	20.0
10 8	0 36.86	+ 4 29.6	2.047	3.044	1.5	20.0
10 18	0 28.75	+ 4 13.0	2.071	3.039	5.4	20.2
10 28	0 21.76	+ 4 1.2	2.123	3.035	8.9	20.4
11 7	0 16.52	+ 3 57.4	2.199	3.030	12.0	20.6
71040	1999 XG_{74}		10	4.0	275.°54	1.°3/ 5.3 18
8 29	1 3.81	+10 44.6	1.986	2.810	14.2	19.5
9 8	0 59.62	+10 23.4	1.882	2.786	11.2	19.3
9 18	0 53.32	+ 9 46.0	1.800	2.762	7.5	19.0
9 28	0 45.42	+ 8 54.4	1.744	2.737	3.5	18.7
10 8	0 36.74	+ 7 53.0	1.715	2.712	1.8	18.6
10 18	0 28.25	+ 6 47.9	1.715	2.687	5.9	18.8
10 28	0 20.94	+ 5 46.3	1.742	2.661	10.0	19.0
11 7	0 15.60	+ 4 54.6	1.793	2.635	13.8	19.2
224642	2005 YK_{190}		10	4.0	54.°24	1.°6/ 5.7 18
8 29	1 2.55	+10 59.6	2.137	2.957	13.5	20.5
9 8	0 58.25	+10 49.3	2.062	2.963	10.5	20.3
9 18	0 52.17	+10 25.4	2.010	2.969	7.0	20.1
9 28	0 44.88	+ 9 50.0	1.984	2.976	3.4	19.9
10 8	0 37.17	+ 9 7.1	1.986	2.982	1.8	19.8
10 18	0 29.84	+ 8 21.4	2.016	2.988	5.1	20.0
10 28	0 23.71	+ 7 38.6	2.074	2.995	8.6	20.3
11 7	0 19.33	+ 7 3.3	2.156	3.001	11.7	20.5
511428	2014 HM_{188}		10	4.0	101.°57	2.°4/ 1.8 18
8 29	1 4.40	− 0 5.5	1.922	2.777	13.3	21.7
9 8	0 59.75	− 0 45.4	1.856	2.782	10.0	21.5
9 18	0 53.16	− 1 32.3	1.813	2.787	6.3	21.3
9 28	0 45.26	− 2 21.1	1.796	2.792	2.9	21.1
10 8	0 36.93	− 3 5.8	1.807	2.797	3.6	21.2
10 18	0 29.07	− 3 40.9	1.846	2.801	7.2	21.4
10 28	0 22.56	− 4 2.2	1.911	2.806	10.7	21.6
11 7	0 17.98	− 4 7.6	1.999	2.810	13.8	21.8
161624	2005 WB_{202}		10	4.0	195.°74	0.°3/ 3.6 18
8 29	1 2.28	+ 5 11.6	2.725	3.554	10.6	21.8
9 8	0 57.69	+ 4 43.5	2.641	3.552	8.1	21.6
9 18	0 51.67	+ 4 7.1	2.581	3.549	5.1	21.4
9 28	0 44.68	+ 3 25.3	2.549	3.546	1.9	21.2
10 8	0 37.32	+ 2 41.8	2.547	3.543	1.5	21.2
10 18	0 30.22	+ 2 0.6	2.575	3.539	4.7	21.4
10 28	0 24.03	+ 1 25.8	2.631	3.535	7.8	21.6
11 7	0 19.24	+ 1 0.3	2.713	3.530	10.4	21.8
25522	Roisen		10	4.0	291.°98	2.°7/ 1.7 18
8 29	1 4.25	− 0 25.5	1.767	2.628	14.1	18.7
9 8	0 59.94	− 1 4.5	1.690	2.619	10.6	18.5
9 18	0 53.46	− 1 51.4	1.635	2.611	6.7	18.3
9 28	0 45.44	− 2 40.7	1.606	2.602	3.1	18.0
10 8	0 36.80	− 3 25.8	1.605	2.594	4.0	18.1
10 18	0 28.57	− 4 0.7	1.630	2.586	7.9	18.3
10 28	0 21.74	− 4 20.3	1.681	2.577	11.8	18.5
11 7	0 17.02	− 4 22.2	1.753	2.569	15.2	18.7
509190	2006 KT_{112}		10	4.0	52.°48	8.°7/25.2 18
8 29	1 2.45	−13 20.3	1.512	2.394	14.9	20.7
9 8	0 58.58	−15 25.2	1.483	2.413	11.7	20.6
9 18	0 52.48	−17 24.1	1.476	2.432	9.3	20.5
9 28	0 44.98	−19 5.3	1.494	2.452	8.8	20.5
10 8	0 37.17	−20 19.3	1.537	2.472	10.4	20.7
10 18	0 30.11	−21 1.1	1.604	2.492	13.0	20.9
10 28	0 24.74	−21 10.2	1.692	2.513	15.6	21.1
11 7	0 21.60	−20 49.6	1.798	2.533	17.9	21.3
46950	1998 SA_{118}		10	4.0	308.°19	0.°7/ 4.5 18
8 29	1 6.51	+ 6 35.8	1.723	2.564	15.3	17.7
9 8	1 1.82	+ 6 42.9	1.638	2.553	11.8	17.4
9 18	0 54.77	+ 6 38.4	1.575	2.543	7.7	17.2
9 28	0 45.99	+ 6 24.3	1.537	2.533	3.2	16.9
10 8	0 36.44	+ 6 4.6	1.526	2.523	1.8	16.8
10 18	0 27.26	+ 5 44.0	1.542	2.513	6.4	17.0
10 28	0 19.54	+ 5 28.0	1.584	2.504	10.8	17.3
11 7	0 14.10	+ 5 21.3	1.650	2.495	14.6	17.5
41367	2000 AP_{99}		10	4.0	295.°56	1.°7/ 6.0 18
8 29	0 59.76	+13 17.7	2.159	2.975	13.5	18.4
9 8	0 56.25	+12 41.8	2.068	2.966	10.6	18.2
9 18	0 50.99	+11 48.7	2.000	2.956	7.3	18.0
9 28	0 44.48	+10 40.9	1.957	2.947	3.7	17.8
10 8	0 37.46	+ 9 23.1	1.942	2.938	1.9	17.6
10 18	0 30.74	+ 8 1.7	1.956	2.930	5.1	17.8
10 28	0 25.10	+ 6 43.8	1.998	2.921	8.7	18.0
11 7	0 21.17	+ 5 35.7	2.065	2.912	12.0	18.2