444658 2007 CX_{19} 9 19.9 280°.90 0°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.20	− 0 41.4	2.104	2.986	11.4	21.6
8 29	0 4.65	− 1 32.9	2.018	2.966	8.2	21.4
9 8	23 58.49	− 2 34.8	1.957	2.947	4.5	21.1
9 18	23 51.25	− 3 42.6	1.923	2.927	1.0	20.8
9 28	23 43.72	− 4 49.9	1.917	2.907	3.8	21.0
10 8	23 36.74	− 5 50.4	1.939	2.887	7.7	21.2
10 18	23 31.08	− 6 38.9	1.987	2.867	11.3	21.4
10 28	23 27.32	− 7 11.8	2.058	2.847	14.3	21.5

228468 2001 RB_{113} 9 19.9 312°.67 0°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.97	+ 1 16.5	1.355	2.247	15.7	20.6
8 29	0 7.40	+ 0 58.5	1.278	2.229	11.6	20.3
9 8	0 0.35	+ 0 25.4	1.222	2.211	6.7	20.0
9 18	23 51.59	− 0 18.4	1.189	2.193	1.3	19.6
9 28	23 42.34	− 1 5.7	1.182	2.176	4.4	19.7
10 8	23 33.97	− 1 48.4	1.199	2.159	9.8	20.0
10 18	23 27.65	− 2 19.4	1.239	2.143	14.7	20.2
10 28	23 24.24	− 2 33.6	1.298	2.128	18.9	20.5

322552 2011 YT_{46} 9 19.9 300°.05 5°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.18	−14 46.3	1.995	2.896	11.0	20.4
8 29	0 5.34	−15 58.3	1.937	2.889	8.2	20.2
9 8	23 58.83	−17 8.4	1.904	2.882	5.9	20.1
9 18	23 51.30	−18 9.6	1.897	2.875	5.7	20.0
9 28	23 43.61	−18 55.1	1.917	2.868	7.7	20.2
10 8	23 36.67	−19 20.5	1.963	2.862	10.6	20.3
10 18	23 31.22	−19 24.4	2.032	2.855	13.4	20.5
10 28	23 27.80	−19 7.1	2.120	2.849	15.8	20.7

330535 2007 YL_{42} 9 19.9 232°.87 0°.8/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.78	+ 3 23.2	1.680	2.551	14.3	21.5
8 29	0 8.99	+ 2 55.6	1.602	2.541	10.6	21.2
9 8	0 1.05	+ 2 13.1	1.546	2.530	6.2	20.9
9 18	23 51.70	+ 1 19.4	1.516	2.519	1.6	20.6
9 28	23 41.99	+ 0 20.9	1.513	2.507	3.7	20.7
10 8	23 33.08	− 0 34.9	1.538	2.495	8.4	21.0
10 18	23 25.96	− 1 21.4	1.588	2.482	12.7	21.2
10 28	23 21.35	− 1 53.7	1.659	2.469	16.4	21.4

350568 2000 XH_{4} 9 19.9 341°.03 7°.7/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.74	+16 29.6	1.404	2.238	18.6	19.6
8 29	0 7.23	+17 14.8	1.330	2.229	15.4	19.4
9 8	0 0.25	+17 34.2	1.275	2.222	11.8	19.2
9 18	23 51.58	+17 25.5	1.242	2.215	8.7	19.0
9 28	23 42.44	+16 50.5	1.232	2.209	7.7	18.9
10 8	23 34.21	+15 55.7	1.246	2.203	9.9	19.0
10 18	23 28.06	+14 50.8	1.282	2.199	13.4	19.2
10 28	23 24.83	+13 46.2	1.340	2.195	16.9	19.4

194981 2002 AU_{203} 9 20.0 29°.35 0°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.01	+ 0 28.2	1.510	2.399	14.6	20.1
8 29	0 6.96	− 0 3.9	1.453	2.403	10.5	19.9
9 8	23 59.86	− 0 48.5	1.417	2.407	5.9	19.6
9 18	23 51.49	− 1 40.2	1.406	2.411	0.9	19.3
9 28	23 42.99	− 2 31.9	1.422	2.415	4.1	19.6
10 8	23 35.48	− 3 16.2	1.464	2.420	8.8	19.8
10 18	23 29.86	− 3 47.8	1.529	2.425	13.0	20.1
10 28	23 26.75	− 4 3.1	1.615	2.430	16.5	20.4

37967 1998 HG_{93} 9 20.0 206°.28 4°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.77	−12 46.0	1.881	2.773	12.0	18.4
8 29	0 10.08	−13 23.1	1.821	2.770	8.8	18.2
9 8	0 1.50	−13 58.8	1.784	2.767	5.7	18.0
9 18	23 51.77	−14 26.7	1.775	2.764	4.6	18.0
9 28	23 41.92	−14 41.3	1.794	2.761	6.8	18.1
10 8	23 32.99	−14 39.2	1.840	2.757	10.1	18.3
10 18	23 25.81	−14 19.3	1.909	2.753	13.3	18.5
10 28	23 20.97	−13 42.3	2.000	2.749	16.0	18.7

517218 2014 AL_{57} 9 20.0 218°.40 1°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.70	+ 5 49.1	2.111	2.965	12.5	22.4
8 29	0 7.12	+ 5 26.0	2.029	2.958	9.3	22.2
9 8	23 59.86	+ 4 49.0	1.971	2.950	5.7	22.0
9 18	23 51.50	+ 4 1.1	1.940	2.941	2.2	21.7
9 28	23 42.90	+ 3 6.8	1.938	2.932	3.1	21.8
10 8	23 34.93	+ 2 12.1	1.964	2.922	6.8	22.0
10 18	23 28.38	+ 1 22.6	2.017	2.912	10.4	22.2
10 28	23 23.82	+ 0 43.0	2.094	2.901	13.5	22.4

83332 2001 RN_{131} 9 20.0 326°.87 1°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.14	− 3 27.0	1.811	2.702	12.5	18.8
8 29	0 6.13	− 4 4.1	1.745	2.698	8.9	18.6
9 8	23 59.33	− 4 48.8	1.703	2.694	4.9	18.3
9 18	23 51.41	− 5 35.7	1.687	2.690	1.6	18.1
9 28	23 43.31	− 6 18.7	1.699	2.687	4.5	18.3
10 8	23 36.00	− 6 52.1	1.737	2.683	8.5	18.5
10 18	23 30.28	− 7 12.0	1.800	2.680	12.2	18.7
10 28	23 26.74	− 7 16.1	1.884	2.677	15.3	19.0

321439 2009 QW_{50} 9 20.0 344°.38 0°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 7.13	+ 1 29.5	1.953	2.834	12.1	20.3
8 29	0 3.17	+ 0 29.1	1.884	2.831	8.7	20.1
9 8	23 57.63	− 0 43.8	1.838	2.828	4.8	19.9
9 18	23 51.12	− 2 3.8	1.820	2.825	0.8	19.6
9 28	23 44.45	− 3 24.0	1.830	2.822	3.6	19.8
10 8	23 38.44	− 4 37.0	1.867	2.820	7.5	20.1
10 18	23 33.81	− 5 37.3	1.930	2.818	11.1	20.3
10 28	23 31.10	− 6 20.9	2.015	2.816	14.2	20.5

98550 2000 VR_{60} 9 20.0 239°.95 4°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.86	−12 41.6	1.874	2.771	11.8	19.2
8 29	0 8.08	−13 41.6	1.810	2.762	8.6	19.0
9 8	0 0.43	−14 41.4	1.771	2.754	5.8	18.8
9 18	23 51.60	−15 33.9	1.758	2.744	5.0	18.7
9 28	23 42.57	−16 12.2	1.773	2.735	7.3	18.9
10 8	23 34.37	−16 31.6	1.814	2.725	10.5	19.0
10 18	23 27.82	−16 30.4	1.878	2.715	13.7	19.2
10 28	23 23.53	−16 8.8	1.962	2.705	16.5	19.4

168695 2000 GT_{118} 9 20.0 261°.25 0°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.10	+ 4 3.3	1.928	2.797	12.8	20.9
8 29	0 5.36	+ 3 24.5	1.851	2.790	9.4	20.7
9 8	23 58.90	+ 2 31.4	1.798	2.782	5.5	20.4
9 18	23 51.35	+ 1 28.1	1.772	2.775	1.4	20.2
9 28	23 43.56	+ 0 20.7	1.773	2.767	3.2	20.3
10 8	23 36.45	− 0 44.0	1.802	2.760	7.3	20.5
10 18	23 30.81	− 1 39.9	1.857	2.752	11.1	20.7
10 28	23 27.24	− 2 22.2	1.935	2.744	14.4	20.9

467743 2009 SB_{57} 9 20.0 35°.75 1°.9/23.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.86	+10 7.5	3.951	4.774	7.8	21.1
8 29	0 0.16	+ 9 54.6	3.873	4.778	6.0	21.0
9 8	23 55.70	+ 9 32.9	3.821	4.783	4.0	20.9
9 18	23 50.79	+ 9 3.8	3.797	4.787	2.3	20.8
9 28	23 45.80	+ 8 29.2	3.803	4.792	2.2	20.8
10 8	23 41.13	+ 7 52.0	3.838	4.796	3.8	20.9
10 18	23 37.14	+ 7 14.8	3.902	4.801	5.7	21.0
10 28	23 34.12	+ 6 40.3	3.992	4.806	7.5	21.2

437295 2013 BJ_{37} 9 20.0 224°.78 1°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.49	+ 6 11.7	4.507	5.346	6.6	21.5
8 29	23 59.83	+ 5 56.0	4.424	5.343	4.9	21.4
9 8	23 55.49	+ 5 34.0	4.367	5.340	3.1	21.3
9 18	23 50.75	+ 5 7.0	4.339	5.337	1.4	21.1
9 28	23 45.94	+ 4 36.8	4.341	5.334	1.6	21.1
10 8	23 41.38	+ 4 5.8	4.373	5.331	3.4	21.3
10 18	23 37.41	+ 3 36.1	4.435	5.328	5.2	21.4
10 28	23 34.28	+ 3 9.9	4.522	5.324	6.8	21.5

454014 2012 DO_{44} 9 20.0 242°.85 1°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.40	− 1 31.3	2.474	3.354	10.0	21.3
8 29	0 3.12	− 3 8.2	2.396	3.345	7.0	21.1
9 8	23 57.53	− 4 54.8	2.345	3.335	3.8	20.9
9 18	23 51.11	− 6 45.3	2.324	3.326	1.6	20.7
9 28	23 44.51	− 8 32.5	2.334	3.316	4.1	20.9
10 8	23 38.40	−10 9.5	2.373	3.306	7.3	21.1
10 18	23 33.40	−11 31.2	2.439	3.296	10.3	21.3
10 28	23 29.98	−12 34.4	2.529	3.285	12.8	21.5

96997 1999 TF_{225} 9 20.0 291°.40 0°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.27	+ 3 29.5	1.689	2.566	13.9	20.7
8 29	0 5.80	+ 2 49.8	1.603	2.547	10.3	20.4
9 8	23 59.30	+ 1 53.7	1.541	2.527	6.0	20.1
9 18	23 51.43	+ 0 45.5	1.504	2.507	1.4	19.8
9 28	23 43.16	− 0 27.8	1.494	2.488	3.7	19.9
10 8	23 35.57	− 1 37.9	1.510	2.469	8.4	20.1
10 18	23 29.62	− 2 37.6	1.551	2.449	12.7	20.4
10 28	23 26.03	− 3 21.2	1.614	2.430	16.5	20.6

20988 1981 EC_{43} 9 20.0 24°.10 1°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.73	+ 5 12.8	0.971	1.876	19.3	17.0
8 29	0 4.53	+ 4 19.8	0.929	1.885	14.1	16.7
9 8	23 58.71	+ 3 1.7	0.906	1.896	8.2	16.4
9 18	23 51.31	+ 1 27.0	0.905	1.908	2.1	16.1
9 28	23 43.85	− 0 11.2	0.926	1.922	4.6	16.4
10 8	23 37.80	− 1 39.3	0.969	1.936	10.5	16.7
10 18	23 34.21	− 2 47.3	1.033	1.952	15.6	17.1
10 28	23 33.68	− 3 29.7	1.116	1.969	19.8	17.4

36982 2000 SX_{336} 9 20.0 1°.27 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.33	+ 1 0.2	1.696	2.587	13.2	18.5
8 29	0 2.76	− 0 18.3	1.633	2.586	9.4	18.3
9 8	23 57.47	− 1 51.0	1.594	2.585	5.1	18.0
9 18	23 51.11	− 3 30.8	1.581	2.585	1.0	17.7
9 28	23 44.58	− 5 8.7	1.595	2.586	4.3	18.0
10 8	23 38.84	− 6 35.7	1.636	2.587	8.6	18.2
10 18	23 34.63	− 7 45.5	1.702	2.589	12.4	18.5
10 28	23 32.54	− 8 33.9	1.789	2.591	15.6	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
341045 2007 GF_{67}			9 20.0 283°.92		3°.8/23.6 18	
	h m	° ′			°	m
8 19	0 10.47	+11 39.3	1.635	2.483	15.8	20.6
8 29	0 5.93	+11 16.5	1.558	2.477	12.3	20.4
9 8	23 59.35	+10 30.6	1.502	2.470	8.3	20.1
9 18	23 51.44	+ 9 23.9	1.471	2.464	4.7	19.9
9 28	23 43.23	+ 8 2.3	1.466	2.457	4.3	19.9
10 8	23 35.82	+ 6 34.6	1.487	2.451	7.9	20.1
10 18	23 30.15	+ 5 10.0	1.533	2.445	11.9	20.3
10 28	23 26.92	+ 3 56.7	1.602	2.439	15.6	20.5
449822 2014 PG_{7}			9 20.0 123°.24		3°.7/24.3 18	
8 19	0 10.45	+12 27.4	2.282	3.106	12.7	20.5
8 29	0 5.39	+12 28.2	2.206	3.108	10.0	20.3
9 8	23 58.83	+12 12.8	2.153	3.109	7.0	20.1
9 18	23 51.34	+11 42.4	2.126	3.111	4.4	20.0
9 28	23 43.67	+11 0.1	2.127	3.112	4.0	20.0
10 8	23 36.62	+10 10.8	2.155	3.114	6.2	20.1
10 18	23 30.87	+ 9 20.0	2.211	3.115	9.2	20.3
10 28	23 26.93	+ 8 33.2	2.291	3.117	11.9	20.5
116014 2003 WA_{83}			9 20.0 297°.22		0°.3/20.2 18	
8 19	0 16.12	− 0 22.6	1.702	2.581	13.8	19.5
8 29	0 9.96	− 0 14.7	1.623	2.567	10.1	19.2
9 8	0 1.62	− 0 15.4	1.566	2.553	5.8	19.0
9 18	23 51.84	− 0 22.0	1.535	2.539	1.1	18.6
9 28	23 41.68	− 0 30.3	1.532	2.526	3.8	18.8
10 8	23 32.32	− 0 35.7	1.557	2.513	8.4	19.0
10 18	23 24.75	− 0 34.3	1.606	2.500	12.6	19.3
10 28	23 19.72	− 0 22.9	1.676	2.487	16.2	19.5
264053 2009 RY_{62}			9 20.0 8°.28		0°.4/20.7 17	
8 19	0 3.53	+ 2 37.3	3.912	4.770	7.1	20.9
8 29	23 59.94	+ 2 10.6	3.837	4.771	5.1	20.7
9 8	23 55.58	+ 1 37.9	3.788	4.771	3.0	20.6
9 18	23 50.78	+ 1 1.3	3.769	4.772	0.7	20.4
9 28	23 45.91	+ 0 23.2	3.779	4.773	1.7	20.5
10 8	23 41.35	− 0 13.7	3.819	4.774	4.0	20.7
10 18	23 37.46	− 0 46.8	3.888	4.774	6.0	20.8
10 28	23 34.53	− 1 14.0	3.982	4.775	7.9	21.0
195528 2002 JT_{27}			9 20.0 168°.89		0°.5/20.5 18	
8 19	0 11.12	+ 3 43.7	2.098	2.963	12.1	20.7
8 29	0 5.90	+ 2 53.3	2.030	2.967	8.8	20.5
9 8	23 59.12	+ 1 49.9	1.985	2.969	5.1	20.3
9 18	23 51.40	+ 0 38.0	1.968	2.972	1.1	20.0
9 28	23 43.53	− 0 36.3	1.980	2.974	3.1	20.2
10 8	23 36.37	− 1 46.3	2.021	2.975	6.9	20.4
10 18	23 30.60	− 2 46.5	2.089	2.977	10.4	20.6
10 28	23 26.75	− 3 32.9	2.179	2.977	13.3	20.8
181882 1999 RF_{14}			9 20.0 313°.03		6°.0/21.7 18	
8 19	0 25.42	+ 5 41.0	1.217	2.083	19.0	17.5
8 29	0 18.15	+ 7 28.7	1.120	2.049	15.0	17.1
9 8	0 7.09	+ 9 10.4	1.044	2.016	10.4	16.8
9 18	23 52.91	+10 41.4	0.991	1.984	6.5	16.5
9 28	23 37.15	+11 57.2	0.965	1.952	7.3	16.4
10 8	23 21.93	+12 56.8	0.964	1.920	12.2	16.6
10 18	23 9.29	+13 42.9	0.985	1.889	17.7	16.8
10 28	23 0.73	+14 22.2	1.026	1.860	22.6	17.0
515378 2013 EH_{87}			9 20.0 82°.38		3°.4/15.9 18	
8 19	0 9.07	− 8 21.6	2.061	2.958	10.9	21.0
8 29	0 4.43	− 9 36.6	2.008	2.963	7.7	20.8
9 8	23 58.28	−10 54.8	1.980	2.969	4.6	20.6
9 18	23 51.25	−12 9.4	1.980	2.974	3.5	20.6
9 28	23 44.13	−13 13.8	2.008	2.979	5.8	20.7
10 8	23 37.74	−14 2.6	2.062	2.984	8.9	20.9
10 18	23 32.73	−14 33.0	2.141	2.989	11.9	21.2
10 28	23 29.60	−14 44.1	2.241	2.994	14.4	21.3
316142 2009 SL_{280}			9 20.0 60°.41		3°.1/16.8 18	
8 19	0 11.05	− 8 42.3	2.074	2.968	11.0	20.5
8 29	0 5.74	− 9 26.4	2.028	2.981	7.8	20.4
9 8	23 58.97	−10 12.2	2.007	2.995	4.6	20.2
9 18	23 51.37	−10 54.2	2.013	3.009	3.1	20.1
9 28	23 43.76	−11 27.3	2.047	3.023	5.2	20.3
10 8	23 36.96	−11 47.6	2.108	3.036	8.4	20.5
10 18	23 31.61	−11 53.0	2.194	3.050	11.3	20.7
10 28	23 28.16	−11 43.2	2.301	3.065	13.8	20.9
93748 2000 VO_{61}			9 20.0 260°.37		0°.5/19.7 18	
8 19	0 24.15	− 3 28.4	2.101	2.963	12.2	19.0
8 29	0 15.54	− 3 11.2	2.002	2.939	8.9	18.8
9 8	0 4.73	− 2 57.6	1.929	2.915	5.0	18.5
9 18	23 52.40	− 2 45.4	1.886	2.890	0.9	18.1
9 28	23 39.57	− 2 31.4	1.873	2.864	3.7	18.3
10 8	23 27.37	− 2 13.0	1.892	2.838	8.0	18.5
10 18	23 16.82	− 1 48.1	1.939	2.811	11.9	18.7
10 28	23 8.68	− 1 15.1	2.010	2.783	15.2	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
26991 1997 WZ_{30}			9 20.0 348°.01		1°.9/18.2 18	
	h m	° ′			°	m
8 19	0 10.65	− 3 52.3	1.686	2.581	13.0	17.5
8 29	0 5.89	− 4 35.0	1.623	2.578	9.2	17.2
9 8	23 59.25	− 5 25.5	1.584	2.576	5.1	17.0
9 18	23 51.44	− 6 17.9	1.571	2.573	1.9	16.8
9 28	23 43.46	− 7 5.2	1.584	2.571	4.9	17.0
10 8	23 36.33	− 7 41.4	1.624	2.570	9.0	17.2
10 18	23 30.89	− 8 2.1	1.687	2.569	12.8	17.4
10 28	23 27.72	− 8 5.5	1.772	2.568	16.0	17.7
488996 2005 UB_{450}			9 20.0 226°.09		0°.9/19.2 18	
8 19	0 12.91	− 0 39.6	1.849	2.730	12.8	22.3
8 29	0 7.45	− 1 26.5	1.775	2.722	9.1	22.0
9 8	0 0.13	− 2 24.3	1.724	2.714	5.1	21.8
9 18	23 51.61	− 3 27.7	1.701	2.705	1.0	21.5
9 28	23 42.83	− 4 30.0	1.705	2.696	4.1	21.7
10 8	23 34.80	− 5 24.4	1.738	2.686	8.3	21.9
10 18	23 28.36	− 6 5.6	1.795	2.676	12.2	22.1
10 28	23 24.14	− 6 30.3	1.874	2.666	15.4	22.3
356424 2010 VP_{109}			9 20.0 248°.76		0°.3/19.4 16	
8 19	0 3.05	− 0 48.3	4.345	5.213	6.3	21.4
8 29	23 59.55	− 1 19.6	4.269	5.210	4.4	21.2
9 8	23 55.37	− 1 55.2	4.219	5.207	2.4	21.1
9 18	23 50.78	− 2 32.8	4.199	5.203	0.4	20.9
9 28	23 46.12	− 3 10.2	4.209	5.200	1.8	21.0
10 8	23 41.73	− 3 45.0	4.249	5.196	3.9	21.2
10 18	23 37.93	− 4 15.0	4.318	5.193	5.8	21.3
10 28	23 35.00	− 4 38.5	4.412	5.189	7.4	21.4
124895 2001 TJ_{50}			9 20.0 12°.67		0°.9/19.3 18	
8 19	0 10.63	+ 1 46.5	1.147	2.048	17.3	19.5
8 29	0 6.50	+ 0 34.3	1.092	2.049	12.4	19.2
9 8	23 59.83	− 0 58.2	1.058	2.050	6.9	18.9
9 18	23 51.56	− 2 41.6	1.047	2.051	1.2	18.5
9 28	23 43.08	− 4 23.5	1.060	2.053	5.3	18.8
10 8	23 35.80	− 5 51.2	1.098	2.055	10.9	19.1
10 18	23 30.85	− 6 56.1	1.157	2.057	15.9	19.4
10 28	23 28.89	− 7 34.0	1.234	2.060	19.9	19.7
146422 2001 QP_{224}			9 20.0 54°.00		0°.4/19.7 18	
8 19	0 14.19	+ 0 18.6	1.288	2.182	16.3	19.7
8 29	0 8.64	− 0 14.0	1.246	2.198	11.6	19.5
9 8	0 0.81	− 0 59.8	1.224	2.215	6.5	19.3
9 18	23 51.71	− 1 52.4	1.227	2.232	1.0	18.9
9 28	23 42.63	− 2 43.6	1.256	2.249	4.5	19.2
10 8	23 34.85	− 3 25.4	1.309	2.266	9.5	19.6
10 18	23 29.30	− 3 52.8	1.385	2.284	13.9	19.9
10 28	23 26.53	− 4 2.6	1.481	2.302	17.5	20.2
414384 2008 VA_{73}			9 20.0 3°.16		7°.6/10.9 18	
8 19	0 11.45	−25 7.2	2.280	3.165	10.5	20.3
8 29	0 6.08	−26 7.9	2.238	3.165	8.7	20.1
9 8	23 59.19	−26 58.3	2.221	3.165	7.6	20.1
9 18	23 51.44	−27 32.3	2.230	3.165	7.9	20.1
9 28	23 43.66	−27 45.4	2.264	3.166	9.4	20.2
10 8	23 36.67	−27 35.8	2.323	3.167	11.3	20.3
10 18	23 31.14	−27 4.3	2.403	3.168	13.3	20.5
10 28	23 27.54	−26 13.3	2.502	3.170	15.0	20.6
4743 Kikuchi			9 20.0 181°.38		0°.5/19.6 18	
8 19	0 16.68	− 0 28.7	1.612	2.493	14.3	17.6
8 29	0 10.30	− 0 55.4	1.547	2.494	10.3	17.4
9 8	0 1.77	− 1 32.9	1.506	2.494	5.7	17.1
9 18	23 51.90	− 2 16.4	1.490	2.494	1.0	16.8
9 28	23 41.84	− 2 59.3	1.502	2.494	4.2	17.0
10 8	23 32.75	− 3 35.2	1.540	2.493	8.8	17.3
10 18	23 25.60	− 3 59.0	1.604	2.491	13.0	17.6
10 28	23 21.04	− 4 7.9	1.688	2.489	16.5	17.8
102917 1999 XK_{24}			9 20.0 203°.59		6°.8/13.8 18	
8 19	0 16.84	−17 30.2	1.777	2.671	12.5	20.1
8 29	0 10.30	−18 39.7	1.723	2.668	9.5	19.9
9 8	0 1.71	−19 44.0	1.693	2.664	7.2	19.8
9 18	23 51.89	−20 34.8	1.689	2.660	7.0	19.8
9 28	23 41.93	−21 5.2	1.712	2.655	9.1	19.9
10 8	23 32.96	−21 11.3	1.760	2.650	12.1	20.1
10 18	23 25.88	−20 53.0	1.830	2.644	15.0	20.3
10 28	23 21.28	−20 12.5	1.919	2.637	17.6	20.4
349781 2009 BX_{42}			9 20.0 325°.95		1°.4/18.9 16	
8 19	0 9.26	− 1 52.1	1.352	2.256	15.0	20.8
8 29	0 5.46	− 2 30.3	1.276	2.234	10.8	20.5
9 8	23 59.30	− 3 21.6	1.221	2.213	6.0	20.1
9 18	23 51.52	− 4 19.7	1.189	2.193	1.5	19.8
9 28	23 43.27	− 5 16.0	1.183	2.174	5.2	20.0
10 8	23 35.86	− 6 1.9	1.201	2.156	10.4	20.2
10 18	23 30.43	− 6 30.7	1.240	2.139	15.2	20.5
10 28	23 27.78	− 6 38.6	1.299	2.122	19.3	20.7

316520 2010 VD_{182} 9 20.0 175°.04 4°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 8.93	+18 45.6	2.866	3.644	11.5	21.3
8 29	0 4.10	+18 34.1	2.782	3.646	9.4	21.2
9 8	23 58.06	+18 5.6	2.720	3.647	7.2	21.0
9 18	23 51.27	+17 20.9	2.685	3.648	5.2	20.9
9 28	23 44.34	+16 22.4	2.678	3.649	4.5	20.8
10 8	23 37.90	+15 14.5	2.700	3.650	5.7	20.9
10 18	23 32.51	+14 2.4	2.750	3.650	7.7	21.1
10 28	23 28.61	+12 51.6	2.825	3.649	9.9	21.2

485506 2011 SV_{260} 9 20.0 298°.67 2°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.97	+ 9 43.8	1.796	2.649	14.3	21.0
8 29	0 4.77	+ 9 14.9	1.711	2.635	11.0	20.8
9 8	23 58.70	+ 8 25.6	1.648	2.620	7.3	20.5
9 18	23 51.40	+ 7 18.7	1.610	2.606	3.6	20.3
9 28	23 43.76	+ 5 59.8	1.599	2.592	3.7	20.2
10 8	23 36.79	+ 4 36.9	1.615	2.578	7.4	20.4
10 18	23 31.35	+ 3 18.0	1.656	2.565	11.4	20.6
10 28	23 28.12	+ 2 10.6	1.720	2.551	14.9	20.8

143730 2003 UJ_{211} 9 20.0 108°.40 2°.9/22.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.23	+ 9 10.0	1.524	2.380	16.3	20.1
8 29	0 8.56	+ 8 42.9	1.467	2.393	12.3	19.9
9 8	0 0.77	+ 7 54.5	1.431	2.406	7.9	19.6
9 18	23 51.74	+ 6 48.8	1.420	2.418	3.7	19.4
9 28	23 42.62	+ 5 32.8	1.436	2.430	4.0	19.5
10 8	23 34.56	+ 4 15.5	1.478	2.441	8.1	19.8
10 18	23 28.48	+ 3 5.5	1.546	2.452	12.2	20.0
10 28	23 24.97	+ 2 9.1	1.635	2.463	15.7	20.3

506907 2008 CL_{214} 9 20.0 188°.53 0°.2/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.82	+ 1 30.5	1.788	2.659	13.6	22.4
8 29	0 9.55	+ 1 5.6	1.718	2.659	9.9	22.1
9 8	0 1.32	+ 0 28.8	1.672	2.658	5.6	21.9
9 18	23 51.85	− 0 15.7	1.653	2.657	1.1	21.6
9 28	23 42.17	− 1 2.0	1.661	2.655	3.6	21.8
10 8	23 33.34	− 1 44.0	1.698	2.652	8.0	22.0
10 18	23 26.25	− 2 16.5	1.760	2.649	12.0	22.3
10 28	23 21.53	− 2 35.7	1.844	2.645	15.3	22.5

400749 2009 VY_{26} 9 20.0 357°.19 3°.7/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.70	+10 12.6	1.682	2.539	15.0	20.7
8 29	0 3.87	+10 10.9	1.612	2.535	11.6	20.5
9 8	23 58.19	+ 9 49.7	1.563	2.532	7.9	20.2
9 18	23 51.32	+ 9 10.9	1.537	2.530	4.5	20.0
9 28	23 44.22	+ 8 19.2	1.538	2.529	4.2	20.0
10 8	23 37.89	+ 7 21.6	1.564	2.529	7.5	20.2
10 18	23 33.17	+ 6 25.2	1.615	2.530	11.2	20.5
10 28	23 30.68	+ 5 36.9	1.688	2.532	14.6	20.7

376177 2011 CX_{17} 9 20.0 275°.80 1°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.86	− 1 14.3	1.511	2.401	14.5	21.6
8 29	0 8.57	− 1 50.1	1.435	2.386	10.5	21.3
9 8	0 0.97	− 2 37.9	1.381	2.371	5.8	21.0
9 18	23 51.82	− 3 32.3	1.352	2.356	1.2	20.7
9 28	23 42.26	− 4 25.6	1.350	2.341	4.7	20.9
10 8	23 33.55	− 5 10.0	1.373	2.326	9.7	21.2
10 18	23 26.77	− 5 39.8	1.421	2.310	14.2	21.4
10 28	23 22.68	− 5 51.2	1.488	2.295	18.0	21.6

417371 2006 GH_{39} 9 20.0 169°.74 12°.1/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.92	−34 8.6	1.847	2.705	13.8	21.2
8 29	0 13.30	−36 2.8	1.823	2.710	12.5	21.1
9 8	0 3.40	−37 35.8	1.823	2.715	12.1	21.1
9 18	23 52.19	−38 38.0	1.846	2.719	12.8	21.2
9 28	23 41.00	−39 3.7	1.892	2.721	14.3	21.3
10 8	23 31.11	−38 52.7	1.959	2.723	16.0	21.4
10 18	23 23.47	−38 8.8	2.043	2.724	17.7	21.6
10 28	23 18.66	−36 58.0	2.141	2.724	19.2	21.7

318429 2005 CG_{2} 9 20.0 138°.64 2°.8/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.12	− 5 6.2	1.666	2.557	13.4	21.4
8 29	0 9.01	− 6 15.2	1.615	2.568	9.4	21.2
9 8	0 0.96	− 7 30.8	1.588	2.579	5.3	21.0
9 18	23 51.78	− 8 45.5	1.589	2.588	2.8	20.9
9 28	23 42.56	− 9 51.0	1.617	2.598	5.7	21.1
10 8	23 34.35	−10 40.9	1.671	2.606	9.7	21.3
10 18	23 28.00	−11 11.4	1.750	2.614	13.3	21.6
10 28	23 24.06	−11 21.4	1.850	2.622	16.3	21.8

186488 2002 TH_{195} 9 20.0 358°.79 2°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.50	− 5 21.6	1.074	1.989	17.0	19.2
8 29	0 8.01	− 5 45.6	1.022	1.986	12.1	19.0
9 8	0 0.76	− 6 17.4	0.990	1.984	6.8	18.7
9 18	23 51.78	− 6 49.7	0.980	1.982	2.8	18.4
9 28	23 42.58	− 7 13.6	0.993	1.982	6.5	18.7
10 8	23 34.71	− 7 22.1	1.029	1.984	11.8	19.0
10 18	23 29.37	− 7 11.5	1.085	1.986	16.6	19.3
10 28	23 27.25	− 6 41.0	1.159	1.990	20.7	19.5

18175 Jenniferchoy 9 20.0 23°.23 0°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.09	− 0 5.8	1.872	2.753	12.6	18.6
8 29	0 6.05	− 0 34.4	1.808	2.755	9.0	18.4
9 8	23 59.30	− 1 12.8	1.768	2.757	5.0	18.2
9 18	23 51.51	− 1 56.6	1.755	2.759	0.8	17.9
9 28	23 43.58	− 2 40.2	1.769	2.762	3.6	18.1
10 8	23 36.43	− 3 17.9	1.811	2.764	7.7	18.3
10 18	23 30.83	− 3 45.4	1.877	2.767	11.3	18.6
10 28	23 27.32	− 3 59.5	1.966	2.770	14.4	18.8

365291 2009 RO_{26} 9 20.0 338°.72 3°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.34	+14 5.1	1.878	2.714	14.5	20.1
8 29	0 2.07	+13 13.0	1.795	2.705	11.4	19.8
9 8	23 57.14	+11 56.5	1.734	2.696	7.9	19.6
9 18	23 51.16	+10 18.5	1.698	2.688	4.6	19.4
9 28	23 44.94	+ 8 25.5	1.689	2.680	3.9	19.3
10 8	23 39.38	+ 6 26.7	1.708	2.673	6.9	19.5
10 18	23 35.23	+ 4 31.8	1.753	2.667	10.6	19.7
10 28	23 33.08	+ 2 49.4	1.823	2.661	13.9	19.9

143906 2003 YW_{62} 9 20.0 260°.47 1°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.83	− 1 59.2	1.555	2.447	14.1	20.0
8 29	0 7.76	− 2 59.0	1.480	2.434	10.1	19.7
9 8	0 0.49	− 4 11.2	1.429	2.420	5.6	19.4
9 18	23 51.76	− 5 29.1	1.403	2.406	1.8	19.2
9 28	23 42.65	− 6 43.7	1.403	2.391	5.2	19.4
10 8	23 34.37	− 7 46.4	1.430	2.377	9.9	19.6
10 18	23 27.95	− 8 31.0	1.481	2.362	14.3	19.8
10 28	23 24.11	− 8 54.1	1.551	2.347	17.9	20.0

424491 2008 DJ_{37} 9 20.0 133°.26 0°.2/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.34	+ 0 22.0	1.759	2.634	13.6	21.5
8 29	0 9.81	− 0 7.7	1.703	2.646	9.8	21.3
9 8	0 1.40	− 0 47.8	1.670	2.658	5.4	21.1
9 18	23 51.88	− 1 33.8	1.664	2.669	0.9	20.8
9 28	23 42.30	− 2 19.4	1.687	2.679	3.7	21.0
10 8	23 33.70	− 2 58.8	1.737	2.689	8.0	21.3
10 18	23 26.90	− 3 27.2	1.813	2.698	11.8	21.6
10 28	23 22.46	− 3 41.9	1.910	2.707	15.0	21.8

188346 2003 SC_{302} 9 20.0 82°.63 2°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.93	− 8 33.0	2.333	3.212	10.5	19.6
8 29	0 9.71	− 8 44.1	2.290	3.236	7.4	19.5
9 8	0 1.12	− 8 55.9	2.272	3.260	4.3	19.3
9 18	23 51.82	− 9 4.7	2.284	3.283	2.3	19.2
9 28	23 42.61	− 9 7.3	2.326	3.306	4.3	19.4
10 8	23 34.28	− 9 1.0	2.397	3.329	7.3	19.6
10 18	23 27.43	− 8 44.9	2.494	3.352	10.1	19.9
10 28	23 22.47	− 8 18.5	2.615	3.374	12.4	20.1

30036 Eshamaiti 9 20.0 122°.20 0°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.19	+ 3 40.7	1.754	2.623	13.9	20.0
8 29	0 8.29	+ 3 2.2	1.698	2.636	10.1	19.8
9 8	0 0.56	+ 2 9.8	1.665	2.649	5.9	19.6
9 18	23 51.76	+ 1 8.2	1.658	2.662	1.4	19.3
9 28	23 42.89	+ 0 4.0	1.680	2.674	3.4	19.5
10 8	23 34.97	− 0 55.7	1.729	2.685	7.7	19.8
10 18	23 28.79	− 1 45.0	1.803	2.696	11.5	20.0
10 28	23 24.89	− 2 19.9	1.900	2.707	14.7	20.3

393361 1999 EK_{15} 9 20.0 359°.51 0°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.04	+ 3 15.5	1.850	2.727	12.9	20.5
8 29	0 3.93	+ 2 6.6	1.782	2.726	9.3	20.3
9 8	23 58.16	+ 0 42.8	1.739	2.726	5.3	20.0
9 18	23 51.36	− 0 50.3	1.722	2.726	0.9	19.7
9 28	23 44.40	− 2 24.6	1.733	2.726	3.5	19.9
10 8	23 38.16	− 3 51.9	1.772	2.726	7.7	20.2
10 18	23 33.40	− 5 5.5	1.836	2.727	11.5	20.4
10 28	23 30.65	− 6 1.0	1.923	2.727	14.6	20.6

214936 2007 VN_{193} 9 20.0 15°.72 3°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.67	− 7 24.3	1.709	2.610	12.6	20.1
8 29	0 5.87	− 8 22.3	1.654	2.611	8.9	19.9
9 8	23 59.26	− 9 24.6	1.623	2.613	5.2	19.7
9 18	23 51.55	−10 24.3	1.618	2.616	3.4	19.6
9 28	23 43.73	−11 14.2	1.640	2.618	6.0	19.7
10 8	23 36.78	−11 48.5	1.687	2.621	9.7	20.0
10 18	23 31.51	−12 4.1	1.759	2.624	13.2	20.2
10 28	23 28.46	−12 0.2	1.850	2.628	16.1	20.4

221510 2006 EV_{8} 9 20.0 309°.08 0°.6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.20	− 1 25.4	1.988	2.870	11.9	20.9
8 29	0 6.24	− 1 42.7	1.903	2.850	8.6	20.7
9 8	23 59.51	− 2 8.2	1.842	2.831	4.8	20.4
9 18	23 51.62	− 2 38.3	1.807	2.812	0.8	20.1
9 28	23 43.40	− 3 8.2	1.801	2.793	3.6	20.3
10 8	23 35.78	− 3 32.8	1.822	2.774	7.7	20.5
10 18	23 29.59	− 3 48.2	1.868	2.755	11.4	20.7
10 28	23 25.45	− 3 51.3	1.936	2.737	14.7	20.8

185253 2006 UR_{65} 9 20.0 291°.23 4°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.72	−12 42.4	1.880	2.777	11.8	19.8
8 29	0 8.01	−13 26.1	1.816	2.769	8.6	19.6
9 8	0 0.46	−14 8.8	1.777	2.761	5.7	19.4
9 18	23 51.77	−14 44.3	1.765	2.753	4.7	19.3
9 28	23 42.91	−15 6.5	1.779	2.745	6.9	19.5
10 8	23 34.87	−15 11.5	1.820	2.738	10.2	19.6
10 18	23 28.48	−14 57.8	1.884	2.730	13.3	19.8
10 28	23 24.32	−14 25.8	1.969	2.723	16.1	20.0

276613 2003 UU_{83} 9 20.0 359°.45 7°.0/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.64	+17 6.7	1.863	2.670	15.7	19.6
8 29	0 8.15	+18 5.7	1.788	2.668	13.0	19.5
9 8	0 0.66	+18 44.7	1.734	2.667	10.2	19.3
9 18	23 51.83	+19 1.8	1.704	2.666	7.8	19.1
9 28	23 42.65	+18 57.5	1.699	2.666	7.1	19.1
10 8	23 34.20	+18 35.9	1.720	2.667	8.6	19.2
10 18	23 27.41	+18 2.9	1.766	2.668	11.2	19.4
10 28	23 22.99	+17 25.9	1.835	2.671	14.0	19.5

69336 1993 SJ 9 20.0 19°.92 0°.8/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.72	− 3 2.1	0.971	1.883	18.7	19.1
8 29	0 11.13	− 2 48.4	0.928	1.889	13.5	18.8
9 8	0 2.53	− 2 44.4	0.903	1.896	7.5	18.5
9 18	23 52.13	− 2 45.2	0.901	1.905	1.3	18.2
9 28	23 41.68	− 2 44.1	0.921	1.915	5.4	18.5
10 8	23 32.89	− 2 35.4	0.963	1.926	11.3	18.8
10 18	23 26.97	− 2 15.3	1.027	1.938	16.4	19.2
10 28	23 24.55	− 1 41.7	1.108	1.952	20.5	19.5

357296 2002 VX_{20} 9 20.0 315°.52 5°.8/25.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.54	+14 57.9	1.634	2.468	16.4	20.6
8 29	0 5.51	+15 9.3	1.543	2.447	13.3	20.4
9 8	23 59.32	+14 56.9	1.473	2.426	9.9	20.1
9 18	23 51.62	+14 20.1	1.425	2.406	6.8	19.9
9 28	23 43.41	+13 21.8	1.402	2.386	6.0	19.8
10 8	23 35.86	+12 8.9	1.404	2.366	8.5	19.9
10 18	23 30.01	+10 50.4	1.431	2.347	12.2	20.1
10 28	23 26.68	+ 9 35.9	1.480	2.329	16.0	20.3

296777 2009 UX_{130} 9 20.1 329°.67 3°.6/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 4.22	+18 13.7	3.923	4.697	8.7	19.9
8 29	0 0.56	+18 12.4	3.831	4.691	7.2	19.8
9 8	23 56.06	+17 59.2	3.762	4.685	5.5	19.7
9 18	23 51.04	+17 34.7	3.720	4.679	4.1	19.6
9 28	23 45.90	+17 0.4	3.706	4.673	3.6	19.5
10 8	23 41.07	+16 18.8	3.721	4.668	4.4	19.6
10 18	23 36.93	+15 32.9	3.763	4.662	5.9	19.7
10 28	23 33.80	+14 46.3	3.832	4.657	7.5	19.8

130165 1999 YV_{11} 9 20.1 359°.31 1°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.29	+ 4 5.3	1.451	2.334	15.4	19.2
8 29	0 5.94	+ 3 42.7	1.388	2.332	11.4	19.0
9 8	23 59.47	+ 3 3.4	1.346	2.331	6.8	18.7
9 18	23 51.65	+ 2 11.6	1.328	2.331	2.0	18.4
9 28	23 43.60	+ 1 14.3	1.335	2.331	3.8	18.5
10 8	23 36.49	+ 0 19.6	1.369	2.332	8.6	18.8
10 18	23 31.28	− 0 25.3	1.425	2.333	12.9	19.1
10 28	23 28.62	− 0 55.4	1.503	2.335	16.7	19.3

1044 Teutonia 9 20.1 52°.40 2°.8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.83	− 5 43.1	1.444	2.345	14.4	14.3
8 29	0 8.27	− 6 28.0	1.401	2.358	10.2	14.1
9 8	0 0.63	− 7 18.5	1.381	2.372	5.7	13.8
9 18	23 51.83	− 8 7.5	1.386	2.387	2.8	13.7
9 28	23 43.03	− 8 47.4	1.417	2.401	5.8	13.9
10 8	23 35.41	− 9 12.5	1.473	2.416	10.0	14.2
10 18	23 29.82	− 9 19.8	1.552	2.431	13.9	14.5
10 28	23 26.79	− 9 8.6	1.651	2.446	17.0	14.7

100578 1997 HY_{10} 9 20.1 251°.14 3°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.97	− 9 17.7	2.145	3.032	11.0	20.3
8 29	0 8.85	−10 0.8	2.063	3.012	7.9	20.0
9 8	0 0.97	−10 46.4	2.006	2.993	4.8	19.8
9 18	23 51.92	−11 29.1	1.977	2.972	3.3	19.7
9 28	23 42.56	−12 3.3	1.977	2.951	5.6	19.8
10 8	23 33.82	−12 24.1	2.005	2.930	9.0	19.9
10 18	23 26.52	−12 29.1	2.058	2.907	12.2	20.1
10 28	23 21.28	−12 17.4	2.133	2.885	15.0	20.3

40127 1998 QD_{43} 9 20.1 338°.39 2°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.89	− 5 30.8	2.043	2.938	11.1	18.3
8 29	0 3.72	− 6 43.8	1.980	2.935	7.8	18.1
9 8	23 58.03	− 8 3.0	1.942	2.932	4.4	17.9
9 18	23 51.40	− 9 22.1	1.931	2.930	2.7	17.7
9 28	23 44.62	−10 34.0	1.949	2.928	5.1	17.9
10 8	23 38.50	−11 32.6	1.993	2.925	8.5	18.1
10 18	23 33.73	−12 14.1	2.062	2.923	11.7	18.3
10 28	23 30.81	−12 36.4	2.153	2.922	14.4	18.5

512182 2015 RA_{202} 9 20.1 158°.09 3°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.64	− 9 21.0	2.259	3.147	10.4	21.1
8 29	0 6.93	− 9 55.1	2.198	3.149	7.4	20.9
9 8	23 59.75	−10 30.5	2.163	3.150	4.4	20.8
9 18	23 51.69	−11 2.3	2.156	3.152	3.0	20.7
9 28	23 43.54	−11 26.0	2.178	3.153	5.0	20.8
10 8	23 36.10	−11 38.0	2.227	3.154	8.1	21.0
10 18	23 30.02	−11 36.5	2.302	3.155	10.9	21.2
10 28	23 25.79	−11 21.0	2.399	3.156	13.4	21.4

79699 1998 SH_{73} 9 20.1 333°.01 2°.3/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.66	− 3 15.2	1.135	2.049	16.4	18.1
8 29	0 6.07	− 3 57.9	1.069	2.032	11.8	17.8
9 8	23 59.83	− 4 53.5	1.023	2.017	6.6	17.5
9 18	23 51.76	− 5 54.2	0.999	2.003	2.3	17.2
9 28	23 43.25	− 6 49.8	0.999	1.989	6.2	17.4
10 8	23 35.79	− 7 30.4	1.022	1.977	11.8	17.6
10 18	23 30.64	− 7 49.8	1.064	1.966	16.8	17.9
10 28	23 28.62	− 7 44.9	1.125	1.957	21.1	18.1

389957 2012 TN_{188} 9 20.1 303°.02 3°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.15	+ 6 36.3	1.619	2.477	15.4	20.3
8 29	0 10.89	+ 7 9.6	1.541	2.468	11.8	20.0
9 8	0 2.32	+ 7 28.6	1.486	2.460	7.7	19.8
9 18	23 52.19	+ 7 33.5	1.455	2.451	4.0	19.5
9 28	23 41.64	+ 7 27.0	1.451	2.443	4.4	19.5
10 8	23 31.93	+ 7 13.9	1.474	2.434	8.3	19.8
10 18	23 24.13	+ 6 59.7	1.521	2.426	12.5	20.0
10 28	23 19.02	+ 6 50.1	1.591	2.419	16.1	20.2

117323 2004 VE_{78} 9 20.1 235°.39 17°.9/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.43	−37 36.1	1.186	2.062	18.6	18.6
8 29	0 12.81	−40 43.8	1.169	2.057	17.9	18.5
9 8	0 3.72	−43 17.7	1.171	2.051	18.3	18.5
9 18	23 52.43	−45 1.8	1.192	2.044	19.7	18.6
9 28	23 40.92	−45 47.4	1.230	2.037	21.6	18.7
10 8	23 31.20	−45 35.5	1.282	2.030	23.7	18.9
10 18	23 24.70	−44 33.6	1.346	2.023	25.6	19.0
10 28	23 22.10	−42 52.0	1.418	2.015	27.2	19.2

96174 1981 EF_{38} 9 20.1 98°.39 2°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.97	+ 8 33.6	1.484	2.343	16.5	20.6
8 29	0 9.12	+ 8 3.5	1.432	2.360	12.4	20.4
9 8	0 1.15	+ 7 12.5	1.401	2.377	7.8	20.2
9 18	23 51.96	+ 6 5.0	1.395	2.394	3.5	20.0
9 28	23 42.72	+ 4 48.4	1.416	2.410	3.9	20.0
10 8	23 34.63	+ 3 32.0	1.463	2.426	8.1	20.3
10 18	23 28.57	+ 2 24.1	1.535	2.441	12.3	20.6
10 28	23 25.12	+ 1 30.7	1.629	2.456	15.8	20.9

79410 Wallerius 9 20.1 147°.61 8°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.66	+29 16.8	2.060	2.779	17.1	19.7
8 29	0 8.00	+29 1.0	1.983	2.790	14.8	19.5
9 8	0 0.48	+28 14.3	1.923	2.799	12.3	19.4
9 18	23 51.85	+26 55.9	1.886	2.809	10.0	19.3
9 28	23 43.09	+25 8.7	1.875	2.817	8.5	19.2
10 8	23 35.20	+23 0.3	1.891	2.825	8.8	19.2
10 18	23 29.00	+20 41.0	1.934	2.832	10.6	19.4
10 28	23 25.06	+18 21.9	2.003	2.838	13.0	19.5

21492 1998 JQ_1 9 20.1 138°.87 3°.9/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.85	+12 48.6	1.631	2.470	16.2	18.9
8 29	0 7.61	+12 15.0	1.565	2.477	12.6	18.7
9 8	0 0.34	+11 17.0	1.520	2.484	8.6	18.5
9 18	23 51.84	+ 9 57.9	1.499	2.491	4.8	18.3
9 28	23 43.16	+ 8 24.3	1.505	2.497	4.3	18.3
10 8	23 35.42	+ 6 45.9	1.539	2.502	7.8	18.5
10 18	23 29.51	+ 5 12.3	1.598	2.508	11.7	18.7
10 28	23 26.05	+ 3 51.5	1.680	2.512	15.2	19.0

10176 Gaiavettori 9 20.1 53°.25 4°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.15	− 5 46.0	1.030	1.946	17.5	17.0
8 29	0 8.91	− 7 13.2	1.004	1.968	12.3	16.8
9 8	0 1.10	− 8 46.8	0.999	1.991	7.0	16.6
9 18	23 51.94	−10 14.5	1.016	2.015	4.3	16.5
9 28	23 42.99	−11 24.3	1.057	2.039	7.8	16.8
10 8	23 35.67	−12 8.5	1.121	2.063	12.6	17.2
10 18	23 30.94	−12 24.7	1.205	2.087	16.8	17.5
10 28	23 29.25	−12 14.2	1.307	2.112	20.2	17.8

496446 2014 OW_{346} 9 20.1 21°.99 3°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.66	− 6 22.8	1.946	2.845	11.4	20.8
8 29	0 3.59	− 7 44.8	1.891	2.848	8.0	20.6
9 8	23 57.96	− 9 12.1	1.861	2.851	4.6	20.4
9 18	23 51.42	−10 37.8	1.858	2.855	3.2	20.3
9 28	23 44.76	−11 54.2	1.884	2.859	5.6	20.5
10 8	23 38.82	−12 55.0	1.935	2.864	9.0	20.7
10 18	23 34.29	−13 36.7	2.012	2.869	12.1	20.9
10 28	23 31.67	−13 57.8	2.109	2.874	14.8	21.1

375191 2008 EE_1 9 20.1 119°.00 1°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.30	− 2 40.4	1.707	2.589	13.6	21.1
8 29	0 10.53	− 3 14.2	1.657	2.604	9.6	20.9
9 8	0 1.85	− 3 55.7	1.630	2.620	5.3	20.7
9 18	23 52.09	− 4 39.4	1.631	2.634	1.4	20.5
9 28	23 42.32	− 5 19.1	1.660	2.649	4.4	20.7
10 8	23 33.61	− 5 49.2	1.716	2.662	8.6	21.0
10 18	23 26.79	− 6 6.2	1.797	2.676	12.3	21.2
10 28	23 22.39	− 6 8.3	1.900	2.688	15.4	21.5

512702 2016 UY_8 9 20.1 30°.31 4°.7/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.93	+ 8 7.0	1.320	2.184	17.9	20.2
8 29	0 11.56	+ 9 0.9	1.268	2.195	13.8	20.0
9 8	0 2.67	+ 9 36.1	1.235	2.207	9.3	19.8
9 18	23 52.25	+ 9 52.3	1.227	2.219	5.4	19.6
9 28	23 41.68	+ 9 52.2	1.243	2.233	5.4	19.7
10 8	23 32.37	+ 9 41.6	1.285	2.247	9.1	19.9
10 18	23 25.43	+ 9 27.1	1.350	2.262	13.2	20.2
10 28	23 21.51	+ 9 15.7	1.435	2.277	16.8	20.5

98081 2000 RF_{67} 9 20.1 266°.95 3°.4/17.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.77	− 9 40.6	1.684	2.575	13.2	18.7
8 29	0 11.83	− 9 55.8	1.618	2.569	9.6	18.4
9 8	0 2.72	−10 11.6	1.576	2.564	5.7	18.2
9 18	23 52.26	−10 22.5	1.560	2.558	3.5	18.0
9 28	23 41.60	−10 23.3	1.572	2.552	6.0	18.2
10 8	23 31.93	−10 10.4	1.611	2.546	10.0	18.4
10 18	23 24.22	− 9 42.3	1.674	2.540	13.7	18.6
10 28	23 19.11	− 8 59.4	1.758	2.534	16.9	18.8

26498 Dinotina 9 20.1 215°.03 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.34	+ 0 1.7	2.677	3.548	9.6	19.1
8 29	0 3.76	− 0 44.5	2.601	3.543	6.9	18.9
9 8	23 57.97	− 1 38.6	2.550	3.538	3.8	18.7
9 18	23 51.43	− 2 37.1	2.528	3.533	0.7	18.5
9 28	23 44.74	− 3 35.2	2.536	3.527	2.9	18.7
10 8	23 38.54	− 4 28.3	2.573	3.521	6.0	18.9
10 18	23 33.38	− 5 12.7	2.638	3.515	8.9	19.0
10 28	23 29.70	− 5 45.6	2.726	3.509	11.3	19.2

296990 2010 EM_{125} 9 20.1 157°.47 0°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.77	− 1 3.3	2.303	3.170	11.1	21.4
8 29	0 9.14	− 1 20.2	2.237	3.177	8.0	21.2
9 8	0 1.00	− 1 44.1	2.197	3.184	4.4	21.0
9 18	23 51.96	− 2 11.4	2.186	3.190	0.7	20.7
9 28	23 42.83	− 2 38.3	2.205	3.196	3.1	21.0
10 8	23 34.42	− 3 0.6	2.253	3.201	6.7	21.2
10 18	23 27.41	− 3 15.1	2.328	3.206	9.9	21.4
10 28	23 22.30	− 3 19.7	2.427	3.210	12.6	21.6

387634 2002 PR_{68} 9 20.1 12°.49 3°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.15	+ 7 9.0	1.261	2.141	17.5	20.0
8 29	0 6.78	+ 7 26.2	1.206	2.145	13.3	19.7
9 8	0 0.04	+ 7 23.3	1.172	2.150	8.6	19.5
9 18	23 51.82	+ 7 2.5	1.159	2.157	4.3	19.3
9 28	23 43.41	+ 6 29.2	1.171	2.165	4.5	19.3
10 8	23 36.14	+ 5 51.1	1.207	2.175	8.9	19.6
10 18	23 31.04	+ 5 15.9	1.266	2.185	13.3	19.9
10 28	23 28.76	+ 4 50.4	1.345	2.197	17.1	20.2

405359 2003 WN_{63} 9 20.1 341°.24 4°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.85	+13 13.8	1.981	2.815	14.0	20.3
8 29	0 3.86	+13 7.3	1.901	2.807	11.1	20.1
9 8	23 58.22	+12 41.4	1.842	2.800	7.9	19.9
9 18	23 51.51	+11 57.2	1.808	2.794	5.0	19.7
9 28	23 44.54	+10 58.6	1.800	2.788	4.4	19.7
10 8	23 38.21	+ 9 51.7	1.820	2.782	6.8	19.8
10 18	23 33.27	+ 8 43.6	1.865	2.777	10.1	20.0
10 28	23 30.31	+ 7 41.2	1.934	2.773	13.2	20.2

378621 2008 FV_{68} 9 20.1 110°.52 1°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.97	− 1 51.8	1.648	2.533	13.8	21.2
8 29	0 8.94	− 2 43.4	1.599	2.548	9.8	21.0
9 8	0 1.00	− 3 44.2	1.573	2.563	5.3	20.8
9 18	23 51.97	− 4 47.9	1.574	2.578	1.5	20.5
9 28	23 42.93	− 5 47.0	1.603	2.592	4.5	20.8
10 8	23 34.92	− 6 34.8	1.659	2.606	8.8	21.1
10 18	23 28.77	− 7 7.1	1.739	2.619	12.6	21.3
10 28	23 25.01	− 7 21.8	1.841	2.632	15.7	21.6

496772 2017 BP_{128} 9 20.1 229°.59 1°.7/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.50	+ 7 34.5	2.514	3.360	11.0	21.0
8 29	0 3.98	+ 7 0.1	2.432	3.354	8.2	20.8
9 8	23 58.15	+ 6 12.3	2.374	3.348	5.2	20.6
9 18	23 51.50	+ 5 14.1	2.343	3.342	2.2	20.4
9 28	23 44.66	+ 4 9.5	2.341	3.335	2.6	20.4
10 8	23 38.34	+ 3 4.0	2.369	3.329	5.7	20.6
10 18	23 33.12	+ 2 2.7	2.424	3.322	8.7	20.8
10 28	23 29.49	+ 1 10.0	2.504	3.315	11.4	21.0

468694 2009 UZ_{114} 9 20.1 292°.50 5°.8/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.09	−34 5.7	4.351	5.187	6.9	21.3
8 29	0 6.02	−34 31.4	4.307	5.181	6.1	21.2
9 8	23 59.06	−34 47.4	4.289	5.175	5.8	21.2
9 18	23 51.63	−34 51.1	4.297	5.169	6.1	21.2
9 28	23 44.22	−34 40.4	4.332	5.163	6.8	21.3
10 8	23 37.30	−34 15.0	4.392	5.157	7.7	21.3
10 18	23 31.27	−33 35.3	4.475	5.151	8.7	21.4
10 28	23 26.47	−32 42.8	4.578	5.145	9.6	21.5

398041 2009 EN_{30} 9 20.1 178°.31 3°.1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.85	+12 51.1	2.611	3.426	11.5	22.4
8 29	0 5.60	+12 25.8	2.530	3.428	9.0	22.2
9 8	23 59.03	+11 44.7	2.473	3.429	6.3	22.0
9 18	23 51.65	+10 49.8	2.443	3.430	3.8	21.9
9 28	23 44.12	+ 9 44.6	2.443	3.430	3.3	21.8
10 8	23 37.13	+ 8 34.4	2.472	3.430	5.6	22.0
10 18	23 31.29	+ 7 24.7	2.529	3.429	8.3	22.2
10 28	23 27.06	+ 6 20.6	2.612	3.427	10.9	22.3

478955 2012 XK_{62} 9 20.1 24°.33 5°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.12	− 9 36.9	1.272	2.189	14.7	20.4
8 29	0 5.18	−11 8.9	1.234	2.198	10.5	20.2
9 8	23 59.05	−12 43.3	1.218	2.208	6.6	20.1
9 18	23 51.65	−14 9.1	1.227	2.219	5.6	20.0
9 28	23 44.23	−15 15.8	1.260	2.230	8.5	20.2
10 8	23 37.98	−15 56.7	1.316	2.243	12.4	20.5
10 18	23 33.79	−16 9.6	1.393	2.256	16.1	20.8
10 28	23 32.22	−15 55.7	1.488	2.271	19.2	21.0

316127 2009 RY_{34} 9 20.1 290°.80 0°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.55	+ 0 33.6	4.306	5.170	6.4	21.3
8 29	24 0.00	+ 0 9.2	4.228	5.165	4.6	21.2
9 8	23 55.75	− 0 19.8	4.176	5.161	2.6	21.0
9 18	23 51.07	− 0 51.6	4.153	5.157	0.5	20.8
9 28	23 46.33	− 1 24.0	4.160	5.153	1.7	21.0
10 8	23 41.85	− 1 54.5	4.197	5.148	3.8	21.1
10 18	23 37.97	− 2 21.1	4.263	5.144	5.7	21.3
10 28	23 34.96	− 2 41.9	4.354	5.140	7.4	21.4

209213 2003 WR_1 9 20.1 284°.14 1°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.29	− 2 29.8	1.801	2.690	12.6	20.8
8 29	0 6.51	− 3 19.1	1.720	2.671	9.1	20.5
9 8	23 59.80	− 4 18.6	1.662	2.653	5.0	20.2
9 18	23 51.82	− 5 22.6	1.630	2.634	1.6	20.0
9 28	23 43.47	− 6 24.1	1.627	2.615	4.6	20.1
10 8	23 35.80	− 7 16.0	1.650	2.596	8.9	20.4
10 18	23 29.68	− 7 53.0	1.697	2.577	12.8	20.6
10 28	23 25.81	− 8 11.9	1.765	2.558	16.2	20.7

382032 2011 CW_{23} 9 20.1 164°.48 0°.1/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.41	+ 1 49.6	1.917	2.786	12.9	22.3
8 29	0 8.46	+ 1 11.6	1.851	2.791	9.3	22.1
9 8	0 0.75	+ 0 21.9	1.810	2.796	5.3	21.9
9 18	23 51.97	− 0 35.1	1.796	2.800	1.0	21.6
9 28	23 43.04	− 1 33.3	1.810	2.803	3.4	21.8
10 8	23 34.92	− 2 26.2	1.853	2.806	7.5	22.0
10 18	23 28.40	− 3 8.8	1.921	2.808	11.2	22.3
10 28	23 24.04	− 3 37.6	2.012	2.809	14.3	22.5

143253 2002 YL_{31} 9 20.1 341°.01 0°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.05	+ 1 52.0	1.051	1.962	17.7	18.4
8 29	0 4.34	+ 1 23.0	0.986	1.946	13.0	18.1
9 8	23 58.95	+ 0 33.8	0.939	1.931	7.5	17.7
9 18	23 51.70	− 0 29.6	0.913	1.918	1.4	17.3
9 28	23 43.98	− 1 37.4	0.910	1.906	4.9	17.5
10 8	23 37.33	− 2 37.8	0.929	1.896	11.0	17.8
10 18	23 33.03	− 3 21.7	0.969	1.888	16.4	18.1
10 28	23 31.91	− 3 42.9	1.026	1.881	21.0	18.4

448379 2009 LV_1 9 20.1 26°.89 1°.6/21.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.32	+ 6 53.9	1.480	2.357	15.5	20.5
8 29	0 3.66	+ 6 2.7	1.431	2.371	11.5	20.3
9 8	23 58.13	+ 4 51.8	1.403	2.386	6.9	20.0
9 18	23 51.51	+ 3 27.1	1.400	2.401	2.4	19.8
9 28	23 44.83	+ 1 57.2	1.422	2.418	3.5	19.9
10 8	23 39.12	+ 0 31.8	1.471	2.435	7.9	20.2
10 18	23 35.17	− 0 41.2	1.544	2.453	12.0	20.5
10 28	23 33.49	− 1 36.4	1.639	2.472	15.4	20.8

134083 2004 XM_{98} 9 20.1 163°.20 2°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.84	− 6 6.2	1.800	2.693	12.4	20.1
8 29	0 7.43	− 6 56.6	1.740	2.694	8.8	19.9
9 8	0 0.21	− 7 52.3	1.704	2.695	5.0	19.6
9 18	23 51.88	− 8 47.1	1.696	2.695	2.7	19.5
9 28	23 43.41	− 9 34.2	1.714	2.696	5.3	19.7
10 8	23 35.79	−10 8.0	1.760	2.697	9.1	19.9
10 18	23 29.83	−10 25.3	1.829	2.697	12.6	20.1
10 28	23 26.08	−10 24.7	1.920	2.697	15.6	20.3

186754 2004 CP_{74} 9 20.1 272°.91 0°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.85	− 0 5.1	1.514	2.403	14.6	20.5
8 29	0 7.91	− 0 53.1	1.438	2.389	10.6	20.2
9 8	0 0.72	− 1 55.3	1.384	2.375	5.9	20.0
9 18	23 52.02	− 3 5.8	1.356	2.360	1.1	19.6
9 28	23 42.91	− 4 16.1	1.354	2.346	4.6	19.8
10 8	23 34.64	− 5 17.5	1.378	2.331	9.6	20.1
10 18	23 28.25	− 6 3.3	1.426	2.316	14.1	20.3
10 28	23 24.49	− 6 29.2	1.494	2.302	17.9	20.5

59842 1999 RT_{55} 9 20.1 15°.34 3°.5/17.3 18

8 19	0 5.31	− 4 1.4	0.969	1.896	17.2	17.5
8 29	0 2.86	− 5 19.5	0.935	1.905	12.1	17.3
9 8	23 57.91	− 6 48.5	0.921	1.916	6.7	17.0
9 18	23 51.50	− 8 16.7	0.928	1.929	3.5	16.9
9 28	23 45.06	− 9 30.9	0.957	1.944	7.3	17.2
10 8	23 39.97	−10 21.7	1.008	1.961	12.3	17.5
10 18	23 37.19	−10 44.6	1.079	1.980	16.8	17.8
10 28	23 37.25	−10 39.5	1.168	2.000	20.5	18.2

78203 2002 NX_{50} 9 20.1 345°.90 7°.4/10.7 18

8 19	0 9.44	−21 53.7	2.114	3.010	10.7	18.7
8 29	0 4.88	−23 22.8	2.070	3.007	8.6	18.6
9 8	23 58.73	−24 44.1	2.051	3.005	7.5	18.5
9 18	23 51.64	−25 50.1	2.057	3.003	7.8	18.5
9 28	23 44.44	−26 34.7	2.090	3.001	9.5	18.6
10 8	23 37.98	−26 54.8	2.146	2.999	11.7	18.8
10 18	23 32.96	−26 50.2	2.223	2.998	13.9	18.9
10 28	23 29.90	−26 22.7	2.319	2.997	15.8	19.1

444003 2003 YY_{120} 9 20.1 208°.22 10°.0/ 2.2 15

8 19	0 18.88	+33 39.5	2.653	3.304	15.0	21.5
8 29	0 11.84	+34 48.8	2.560	3.298	13.6	21.4
9 8	0 2.83	+35 35.7	2.486	3.292	12.1	21.3
9 18	23 52.40	+35 56.4	2.433	3.285	10.8	21.2
9 28	23 41.46	+35 49.3	2.405	3.277	10.1	21.1
10 8	23 31.01	+35 16.1	2.401	3.269	10.1	21.1
10 18	23 21.97	+34 21.7	2.422	3.260	11.0	21.2
10 28	23 15.10	+33 13.5	2.467	3.251	12.4	21.3

129116 2004 XN_{102} 9 20.1 213°.55 1°.8/18.2 18

8 19	0 13.65	− 6 24.0	2.462	3.342	10.0	20.1
8 29	0 7.63	− 6 39.5	2.392	3.339	7.1	19.9
9 8	0 0.19	− 6 57.8	2.348	3.336	4.0	19.7
9 18	23 51.90	− 7 15.2	2.332	3.334	1.8	19.6
9 28	23 43.49	− 7 28.2	2.346	3.331	3.8	19.7
10 8	23 35.69	− 7 33.6	2.389	3.327	7.0	19.9
10 18	23 29.16	− 7 29.4	2.459	3.324	9.9	20.1
10 28	23 24.37	− 7 14.4	2.551	3.321	12.4	20.3

282370 2003 PR_{9} 9 20.1 20°.76 17°.6/17.6 17

8 19	0 6.94	+45 27.8	1.368	2.011	27.3	18.9
8 29	0 4.40	+46 36.7	1.316	2.022	25.6	18.8
9 8	23 59.00	+46 57.7	1.272	2.035	23.6	18.7
9 18	23 51.72	+46 23.6	1.239	2.049	21.5	18.6
9 28	23 44.15	+44 51.8	1.220	2.065	19.5	18.5
10 8	23 37.96	+42 27.6	1.218	2.082	18.1	18.5
10 18	23 34.40	+39 23.4	1.235	2.101	17.6	18.5
10 28	23 34.16	+35 57.0	1.273	2.120	18.2	18.6

518691 2008 WP_{143} 9 20.1 235°.93 2°.0/18.1 18

8 19	0 12.75	− 4 18.0	1.869	2.758	12.3	22.0
8 29	0 7.39	− 5 3.9	1.801	2.752	8.7	21.8
9 8	0 0.23	− 5 57.0	1.756	2.746	4.8	21.5
9 18	23 51.93	− 6 51.5	1.738	2.740	2.0	21.3
9 28	23 43.41	− 7 40.9	1.749	2.734	4.7	21.5
10 8	23 35.66	− 8 19.4	1.786	2.728	8.7	21.7
10 18	23 29.48	− 8 43.1	1.848	2.721	12.3	21.9
10 28	23 25.48	− 8 50.0	1.932	2.715	15.4	22.1

402485 2006 CN_{29} 9 20.1 12°.13 7°.8/26.8 17

8 19	0 15.01	+18 56.2	1.849	2.644	16.3	20.3
8 29	0 9.21	+20 3.6	1.778	2.647	13.6	20.1
9 8	0 1.36	+20 49.7	1.728	2.651	10.9	20.0
9 18	23 52.14	+21 12.0	1.702	2.655	8.6	19.9
9 28	23 42.59	+21 10.7	1.700	2.660	7.8	19.8
10 8	23 33.81	+20 49.7	1.725	2.666	9.0	19.9
10 18	23 26.77	+20 15.4	1.774	2.672	11.4	20.1
10 28	23 22.15	+19 35.5	1.845	2.678	14.0	20.3

188165 2002 GN_{123} 9 20.1 33°.85 2°.0/18.7 18

8 19	0 17.08	− 6 22.8	1.559	2.452	14.0	18.4
8 29	0 10.39	− 6 19.0	1.523	2.476	9.9	18.2
9 8	0 1.77	− 6 18.6	1.509	2.500	5.5	18.0
9 18	23 52.16	− 6 17.1	1.522	2.525	2.0	17.9
9 28	23 42.72	− 6 10.4	1.562	2.550	4.7	18.1
10 8	23 34.51	− 5 55.4	1.628	2.576	8.8	18.4
10 18	23 28.32	− 5 30.4	1.719	2.603	12.4	18.7
10 28	23 24.62	− 4 55.0	1.831	2.631	15.4	19.0

312609 2009 RW_{55} 9 20.1 284°.94 1°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 3.94	− 5 56.5	4.353	5.232	6.0	20.6
8 29	0 0.28	− 6 24.7	4.281	5.229	4.2	20.4
9 8	23 55.92	− 6 54.8	4.236	5.225	2.4	20.3
9 18	23 51.16	− 7 24.8	4.221	5.221	1.1	20.2
9 28	23 46.32	− 7 52.4	4.236	5.218	2.4	20.3
10 8	23 41.77	− 8 15.4	4.280	5.214	4.3	20.4
10 18	23 37.81	− 8 32.1	4.352	5.211	6.1	20.6
10 28	23 34.73	− 8 41.3	4.449	5.207	7.7	20.7

332397 2007 JC_{12} 9 20.1 223°.56 4°.0/14.8 18

8 19	0 8.52	−11 27.6	2.397	3.293	9.6	20.7
8 29	0 4.04	−12 44.7	2.338	3.290	6.9	20.5
9 8	23 58.21	−14 2.8	2.305	3.288	4.6	20.4
9 18	23 51.57	−15 15.7	2.300	3.286	4.1	20.4
9 28	23 44.80	−16 17.5	2.324	3.283	6.0	20.5
10 8	23 38.61	−17 3.8	2.375	3.280	8.7	20.6
10 18	23 33.61	−17 32.2	2.450	3.278	11.2	20.8
10 28	23 30.27	−17 41.9	2.547	3.275	13.4	21.0

135048 2001 OT_{46} 9 20.1 12°.78 0°.4/19.8 18

8 19	0 8.07	+ 1 33.4	1.426	2.320	15.0	19.0
8 29	0 4.35	+ 0 41.0	1.371	2.324	10.8	18.8
9 8	23 58.62	− 0 26.6	1.338	2.328	6.0	18.5
9 18	23 51.66	− 1 42.8	1.329	2.333	1.0	18.2
9 28	23 44.55	− 2 58.6	1.346	2.339	4.2	18.5
10 8	23 38.40	− 4 5.2	1.388	2.346	9.0	18.8
10 18	23 34.09	− 4 55.9	1.453	2.354	13.2	19.0
10 28	23 32.20	− 5 26.8	1.539	2.362	16.8	19.3

5729 1988 TA_{1} 9 20.1 316°.91 2°.2/22.7 18

8 19	0 7.82	+ 8 58.1	2.050	2.901	12.9	17.4
8 29	0 3.79	+ 8 20.1	1.970	2.894	9.8	17.2
9 8	23 58.19	+ 7 24.5	1.913	2.887	6.3	17.0
9 18	23 51.59	+ 6 14.7	1.882	2.880	2.9	16.8
9 28	23 44.77	+ 4 56.0	1.879	2.873	3.1	16.8
10 8	23 38.56	+ 3 35.5	1.903	2.866	6.6	17.0
10 18	23 33.68	+ 2 20.1	1.955	2.860	10.1	17.2
10 28	23 30.68	+ 1 15.7	2.030	2.854	13.2	17.4

189035 Michaelsummers 9 20.1 8°.99 11°.9/29.7 17

8 19	0 19.96	+27 30.9	1.825	2.558	18.6	19.0
8 29	0 13.17	+29 32.4	1.755	2.561	16.5	18.8
9 8	0 3.81	+31 9.0	1.704	2.564	14.4	18.7
9 18	23 52.63	+32 14.3	1.674	2.568	12.7	18.6
9 28	23 40.81	+32 45.2	1.668	2.573	11.9	18.6
10 8	23 29.74	+32 43.7	1.685	2.579	12.3	18.6
10 18	23 20.67	+32 16.1	1.725	2.585	13.7	18.7
10 28	23 14.49	+31 32.1	1.786	2.593	15.5	18.9

324009 2005 UO_{303} 9 20.1 312°.24 0°.8/20.9 17

8 19	0 7.86	+ 4 32.3	1.808	2.682	13.3	21.2
8 29	0 4.10	+ 3 46.0	1.717	2.658	9.9	20.9
9 8	23 58.52	+ 2 42.6	1.649	2.633	5.8	20.7
9 18	23 51.67	+ 1 26.1	1.606	2.609	1.5	20.3
9 28	23 44.43	+ 0 3.2	1.591	2.586	3.4	20.4
10 8	23 37.77	− 1 17.7	1.603	2.562	7.9	20.6
10 18	23 32.56	− 2 29.0	1.639	2.539	12.0	20.8
10 28	23 29.51	− 3 24.7	1.698	2.517	15.6	21.0

94269 2001 DS_{18} 9 20.1 160°.25 0°.6/19.5 18

8 19	0 14.95	− 2 51.5	2.497	3.366	10.3	18.9
8 29	0 8.52	− 2 54.8	2.427	3.369	7.3	18.7
9 8	0 0.69	− 3 2.7	2.384	3.371	4.1	18.5
9 18	23 52.02	− 3 12.5	2.370	3.374	0.8	18.2
9 28	23 43.24	− 3 21.1	2.385	3.376	3.0	18.4
10 8	23 35.10	− 3 25.5	2.431	3.378	6.4	18.7
10 18	23 28.24	− 3 23.2	2.503	3.380	9.3	18.9
10 28	23 23.12	− 3 12.6	2.600	3.381	11.9	19.0

207200 2005 EJ_{50} 9 20.1 277°.25 0°.9/19.2 18

8 19	0 11.19	− 0 7.5	1.874	2.756	12.6	20.8
8 29	0 6.45	− 1 2.3	1.785	2.733	9.1	20.6
9 8	23 59.83	− 2 10.0	1.720	2.709	5.1	20.3
9 18	23 51.91	− 3 25.3	1.681	2.685	1.0	19.9
9 28	23 43.59	− 4 41.0	1.671	2.661	4.1	20.1
10 8	23 35.86	− 5 49.4	1.688	2.637	8.5	20.3
10 18	23 29.60	− 6 44.4	1.730	2.612	12.5	20.5
10 28	23 25.52	− 7 21.5	1.793	2.587	15.9	20.7

193335 2000 TB_{65} 9 20.1 309°.67 1°.5/18.9 18

8 19	0 13.37	− 2 58.7	1.508	2.403	14.3	20.1
8 29	0 8.27	− 3 26.8	1.437	2.391	10.3	19.8
9 8	0 0.93	− 4 4.3	1.388	2.379	5.7	19.6
9 18	23 52.11	− 4 45.6	1.364	2.368	1.6	19.3
9 28	23 42.95	− 5 23.7	1.366	2.356	4.9	19.5
10 8	23 34.67	− 5 51.9	1.394	2.346	9.7	19.7
10 18	23 28.31	− 6 5.5	1.445	2.335	14.0	19.9
10 28	23 24.58	− 6 1.9	1.516	2.325	17.7	20.2

298703 2004 EP_{55} 9 20.1 274°.18 4°.0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.47	+14 43.5	2.067	2.887	13.9	20.9
8 29	0 5.11	+14 8.8	1.968	2.867	11.1	20.6
9 8	23 59.03	+13 11.5	1.891	2.846	7.9	20.4
9 18	23 51.77	+11 53.0	1.839	2.825	4.9	20.2
9 28	23 44.15	+10 17.9	1.815	2.804	4.2	20.1
10 8	23 37.07	+ 8 33.6	1.820	2.782	6.9	20.2
10 18	23 31.34	+ 6 49.0	1.852	2.760	10.4	20.4
10 28	23 27.62	+ 5 12.2	1.908	2.738	13.7	20.6

314297 2005 SH_{97} 9 20.1 335°.32 6°.1/24.6 17

8 19	0 15.59	+13 24.8	1.759	2.586	15.7	20.4
8 29	0 9.78	+14 22.8	1.678	2.577	12.7	20.2
9 8	0 1.78	+15 3.2	1.618	2.568	9.5	20.0
9 18	23 52.28	+15 24.1	1.583	2.559	6.8	19.8
9 28	23 42.32	+15 26.1	1.574	2.552	6.3	19.8
10 8	23 33.08	+15 13.0	1.591	2.545	8.5	19.9
10 18	23 25.58	+14 50.6	1.633	2.538	11.8	20.1
10 28	23 20.60	+14 25.9	1.697	2.532	14.9	20.3

178295 1992 DJ_{6} 9 20.1 241°.95 0°.7/18.9 17

8 19	0 6.34	− 2 14.7	3.494	4.366	7.5	20.7
8 29	0 2.16	− 2 49.8	3.412	4.356	5.3	20.5
9 8	23 57.07	− 3 29.7	3.358	4.346	2.9	20.3
9 18	23 51.41	− 4 11.6	3.332	4.336	0.7	20.1
9 28	23 45.64	− 4 52.4	3.337	4.326	2.5	20.3
10 8	23 40.20	− 5 29.0	3.371	4.315	4.9	20.4
10 18	23 35.53	− 5 58.9	3.434	4.304	7.2	20.6
10 28	23 31.97	− 6 20.0	3.521	4.294	9.2	20.7

269826 2000 AN_{94} 9 20.1 196°.04 2°.7/16.3 18

8 19	0 9.95	− 9 33.9	2.859	3.745	8.6	20.7
8 29	0 4.88	−10 23.2	2.793	3.742	6.1	20.6
9 8	23 58.64	−11 13.9	2.754	3.739	3.7	20.4
9 18	23 51.69	−12 1.7	2.743	3.736	2.8	20.3
9 28	23 44.64	−12 42.5	2.762	3.732	4.5	20.5
10 8	23 38.08	−13 12.7	2.810	3.728	7.0	20.6
10 18	23 32.55	−13 30.3	2.884	3.723	9.4	20.8
10 28	23 28.46	−13 34.4	2.980	3.719	11.5	20.9

384316 2009 SO_{167} 9 20.1 342°.19 2°.1/18.6 18

8 19	0 8.85	− 2 41.6	1.078	1.994	16.9	20.2
8 29	0 5.60	− 3 24.7	1.016	1.981	12.1	19.8
9 8	23 59.66	− 4 21.7	0.975	1.969	6.7	19.5
9 18	23 51.93	− 5 24.6	0.955	1.959	2.2	19.2
9 28	23 43.79	− 6 22.6	0.958	1.949	6.2	19.4
10 8	23 36.78	− 7 5.5	0.984	1.942	11.8	19.7
10 18	23 32.12	− 7 26.9	1.029	1.935	16.9	20.0
10 28	23 30.61	− 7 23.6	1.092	1.931	21.2	20.3

351196 2004 DO_{26} 9 20.1 299°.39 2°.9/17.2 18

8 19	0 10.38	− 5 37.2	1.739	2.636	12.5	20.5
8 29	0 5.90	− 6 39.6	1.665	2.621	8.9	20.2
9 8	23 59.52	− 7 49.7	1.615	2.606	5.1	19.9
9 18	23 51.88	− 9 0.8	1.591	2.591	2.9	19.8
9 28	23 43.94	−10 4.7	1.595	2.576	5.7	19.9
10 8	23 36.72	−10 54.5	1.624	2.561	9.7	20.1
10 18	23 31.10	−11 25.6	1.677	2.547	13.5	20.3
10 28	23 27.74	−11 35.9	1.751	2.533	16.7	20.5

223577 2004 FE_{64} 9 20.1 75°.63 3°.1/17.8 18

8 19	0 16.86	− 6 55.3	1.449	2.347	14.6	20.1
8 29	0 10.54	− 7 32.4	1.404	2.359	10.3	19.9
9 8	0 2.04	− 8 13.7	1.381	2.371	5.9	19.6
9 18	23 52.30	− 8 52.2	1.384	2.384	3.1	19.5
9 28	23 42.57	− 9 20.9	1.413	2.396	6.0	19.7
10 8	23 34.06	− 9 34.6	1.468	2.409	10.2	20.0
10 18	23 27.68	− 9 31.0	1.546	2.421	14.1	20.3
10 28	23 23.99	− 9 9.8	1.643	2.434	17.3	20.5

180489 2004 CJ_{78} 9 20.1 145°.22 1°.0/19.2 17

8 19	0 14.58	− 0 44.9	1.732	2.613	13.4	20.8
8 29	0 8.74	− 1 34.1	1.674	2.621	9.6	20.5
9 8	0 1.00	− 2 33.8	1.639	2.628	5.3	20.3
9 18	23 52.13	− 3 38.2	1.631	2.635	1.1	20.0
9 28	23 43.14	− 4 40.0	1.651	2.641	4.2	20.3
10 8	23 35.08	− 5 32.4	1.698	2.647	8.5	20.5
10 18	23 28.77	− 6 10.7	1.770	2.652	12.3	20.8
10 28	23 24.77	− 6 31.9	1.864	2.657	15.5	21.0

439345 2012 XD_{22} 9 20.1 198°.39 5°.5/26.4 18

8 19	0 12.18	+18 2.3	2.163	2.957	14.3	21.1
8 29	0 6.93	+18 2.8	2.080	2.955	11.7	21.0
9 8	0 0.00	+17 42.1	2.018	2.952	8.9	20.8
9 18	23 51.99	+17 0.4	1.981	2.949	6.4	20.6
9 28	23 43.72	+16 0.6	1.971	2.946	5.5	20.6
10 8	23 36.09	+14 48.4	1.989	2.943	7.1	20.7
10 18	23 29.87	+13 30.8	2.034	2.939	9.8	20.8
10 28	23 25.65	+12 15.4	2.103	2.934	12.6	21.0

513322 2007 EV_{42} 9 20.1 102°.47 2°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.33	− 8 18.3	2.384	3.260	10.5	21.0
8 29	0 10.91	− 8 18.9	2.327	3.271	7.4	20.8
9 8	0 2.03	− 8 20.1	2.296	3.282	4.3	20.7
9 18	23 52.33	− 8 18.9	2.294	3.293	2.1	20.5
9 28	23 42.62	− 8 12.0	2.322	3.304	4.1	20.7
10 8	23 33.72	− 7 57.4	2.380	3.315	7.2	20.9
10 18	23 26.27	− 7 33.8	2.465	3.326	10.1	21.1
10 28	23 20.73	− 7 0.9	2.574	3.336	12.5	21.3

173573 2001 BA_{35} 9 20.1 184°.53 1°.8/21.9 17

8 19	0 15.87	+ 6 30.3	1.987	2.836	13.3	21.2
8 29	0 9.59	+ 6 8.3	1.912	2.837	10.0	21.0
9 8	0 1.50	+ 5 31.4	1.860	2.837	6.2	20.8
9 18	23 52.26	+ 4 42.5	1.836	2.836	2.5	20.6
9 28	23 42.80	+ 3 46.6	1.840	2.834	3.2	20.6
10 8	23 34.09	+ 2 49.9	1.873	2.831	7.0	20.8
10 18	23 26.95	+ 1 58.5	1.933	2.828	10.7	21.1
10 28	23 21.99	+ 1 17.4	2.016	2.824	13.9	21.3

292702 2006 UK_{122} 9 20.1 106°.19 0°.4/20.5 17

8 19	0 13.40	+ 3 25.3	1.491	2.370	15.3	20.9
8 29	0 8.14	+ 2 37.9	1.433	2.377	11.2	20.7
9 8	0 0.77	+ 1 34.1	1.398	2.385	6.4	20.4
9 18	23 52.13	+ 0 19.6	1.388	2.392	1.4	20.1
9 28	23 43.35	− 0 57.1	1.405	2.400	3.9	20.3
10 8	23 35.60	− 2 7.2	1.448	2.407	8.7	20.6
10 18	23 29.79	− 3 3.6	1.516	2.414	13.0	20.9
10 28	23 26.53	− 3 41.8	1.604	2.420	16.5	21.1

487831 2015 TK_{75} 9 20.1 61°.94 2°.3/22.9 18

8 19	0 8.74	+ 9 19.0	2.203	3.048	12.4	21.1
8 29	0 4.31	+ 8 48.7	2.134	3.053	9.4	20.9
9 8	23 58.45	+ 8 2.7	2.087	3.058	6.1	20.7
9 18	23 51.71	+ 7 3.9	2.067	3.063	3.0	20.5
9 28	23 44.84	+ 5 57.1	2.075	3.069	3.0	20.5
10 8	23 38.61	+ 4 48.5	2.112	3.074	6.1	20.7
10 18	23 33.65	+ 3 43.7	2.176	3.080	9.3	20.9
10 28	23 30.46	+ 2 48.1	2.263	3.085	12.1	21.1

181100 2005 QV_{69} 9 20.1 45°.67 1°.3/19.1 18

8 19	0 13.17	− 0 55.9	1.200	2.102	16.6	19.0
8 29	0 8.17	− 1 44.8	1.161	2.118	11.8	18.8
9 8	0 0.81	− 2 46.4	1.142	2.134	6.5	18.5
9 18	23 52.12	− 3 52.8	1.147	2.152	1.5	18.3
9 28	23 43.47	− 4 54.2	1.177	2.169	5.1	18.6
10 8	23 36.14	− 5 42.2	1.232	2.187	10.2	18.9
10 18	23 31.10	− 6 11.5	1.308	2.206	14.6	19.2
10 28	23 28.89	− 6 20.0	1.404	2.225	18.2	19.5

13267 1998 QV_{32} 9 20.1 8°.31 2°.0/21.9 18

8 19	0 10.03	+ 5 38.2	1.723	2.593	14.1	17.9
8 29	0 5.56	+ 5 31.1	1.659	2.594	10.5	17.6
9 8	23 59.28	+ 5 8.9	1.616	2.596	6.5	17.4
9 18	23 51.87	+ 4 34.7	1.599	2.599	2.6	17.2
9 28	23 44.28	+ 3 53.3	1.608	2.603	3.4	17.2
10 8	23 37.49	+ 3 11.1	1.644	2.607	7.3	17.5
10 18	23 32.33	+ 2 33.9	1.705	2.612	11.2	17.7
10 28	23 29.36	+ 2 6.5	1.787	2.618	14.5	18.0

261753 2006 BG_{30} 9 20.1 307°.80 3°.7/16.1 18

8 19	0 9.12	− 8 39.3	1.952	2.852	11.3	20.1
8 29	0 4.86	− 9 46.2	1.878	2.834	8.1	19.9
9 8	23 58.90	−10 57.7	1.828	2.817	4.9	19.7
9 18	23 51.83	−12 7.0	1.805	2.799	3.7	19.6
9 28	23 44.48	−13 6.9	1.809	2.782	6.2	19.7
10 8	23 37.76	−13 51.4	1.840	2.765	9.6	19.9
10 18	23 32.46	−14 16.9	1.894	2.748	12.9	20.0
10 28	23 29.17	−14 21.9	1.969	2.732	15.8	20.2

95937 2003 KY_{18} 9 20.1 44°.07 0°.3/20.5 18

8 19	0 8.32	+ 3 48.2	1.818	2.694	13.2	19.2
8 29	0 4.16	+ 2 47.0	1.765	2.708	9.5	19.0
9 8	23 58.40	+ 1 31.7	1.737	2.723	5.4	18.8
9 18	23 51.72	+ 0 8.0	1.734	2.738	1.1	18.5
9 28	23 44.99	− 1 16.4	1.759	2.753	3.3	18.7
10 8	23 39.06	− 2 34.1	1.812	2.769	7.3	19.0
10 18	23 34.63	− 3 39.1	1.890	2.785	10.9	19.3
10 28	23 32.18	− 4 27.2	1.991	2.801	14.0	19.5

183510 2003 FJ_{41} 9 20.1 142°.35 2°.8/16.8 18

8 19	0 10.05	− 6 40.8	2.082	2.975	11.0	20.0
8 29	0 5.31	− 7 47.5	2.023	2.976	7.8	19.9
9 8	23 59.03	− 8 58.9	1.989	2.978	4.5	19.7
9 18	23 51.84	−10 8.7	1.982	2.979	2.9	19.6
9 28	23 44.53	−11 10.5	2.004	2.981	5.2	19.7
10 8	23 37.90	−11 58.9	2.053	2.982	8.5	19.9
10 18	23 32.65	−12 30.4	2.127	2.984	11.6	20.1
10 28	23 29.28	−12 43.9	2.222	2.985	14.2	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423932 2006 TP_{44}			9 20.1	13°.24	3°.7/18.1	17
	h m	° ′			°	m
8 19	0 9.82	− 6 45.0	0.800	1.734	19.1	19.5
8 29	0 6.53	− 7 6.5	0.768	1.740	13.6	19.2
9 8	0 0.18	− 7 34.3	0.752	1.748	7.7	18.9
9 18	23 52.05	− 7 59.0	0.756	1.759	3.7	18.8
9 28	23 43.93	− 8 11.1	0.781	1.771	7.5	19.0
10 8	23 37.51	− 8 4.0	0.826	1.786	13.0	19.4
10 18	23 33.96	− 7 35.8	0.889	1.803	18.0	19.8
10 28	23 33.80	− 6 47.1	0.969	1.822	22.1	20.1
61681 2000 QO_{124}			9 20.1	357°.69	1°.6/18.6	18
8 19	0 11.08	− 3 25.4	1.762	2.654	12.7	19.0
8 29	0 6.28	− 4 2.7	1.700	2.653	9.0	18.8
9 8	23 59.68	− 4 47.6	1.661	2.652	5.0	18.5
9 18	23 51.97	− 5 34.8	1.648	2.651	1.7	18.3
9 28	23 44.09	− 6 17.8	1.662	2.651	4.5	18.5
10 8	23 37.02	− 6 50.9	1.703	2.651	8.5	18.8
10 18	23 31.56	− 7 10.3	1.768	2.651	12.2	19.0
10 28	23 28.29	− 7 13.6	1.855	2.652	15.4	19.2
81392 2000 GH_{81}			9 20.1	52°.28	1°.1/21.2	18
8 19	0 11.33	+ 4 18.8	1.764	2.635	13.7	18.7
8 29	0 6.41	+ 3 51.1	1.705	2.643	10.1	18.5
9 8	23 59.72	+ 3 9.1	1.668	2.651	6.0	18.3
9 18	23 51.97	+ 2 17.1	1.656	2.659	1.8	18.0
9 28	23 44.10	+ 1 20.8	1.673	2.668	3.2	18.2
10 8	23 37.07	+ 0 27.2	1.716	2.676	7.4	18.4
10 18	23 31.66	− 0 18.0	1.785	2.685	11.2	18.7
10 28	23 28.43	− 0 50.5	1.876	2.694	14.4	18.9
10745 Arnstadt			9 20.1	103°.88	3°.0/16.4	18
8 19	0 9.36	− 8 17.8	2.281	3.174	10.2	18.6
8 29	0 4.70	− 9 19.4	2.223	3.176	7.2	18.4
9 8	23 58.66	−10 23.9	2.190	3.178	4.3	18.2
9 18	23 51.78	−11 25.6	2.185	3.180	3.1	18.1
9 28	23 44.81	−12 18.9	2.209	3.182	5.2	18.3
10 8	23 38.46	−12 59.2	2.260	3.184	8.1	18.5
10 18	23 33.36	−13 23.7	2.336	3.186	10.9	18.6
10 28	23 29.99	−13 31.5	2.434	3.188	13.3	18.8
29238 1992 EE_{17}			9 20.1	157°.85	0°.8/19.4	18
8 19	0 13.82	− 0 15.1	1.824	2.703	13.0	19.2
8 29	0 8.17	− 1 5.0	1.762	2.708	9.3	19.0
9 8	0 0.71	− 2 5.6	1.724	2.713	5.1	18.8
9 18	23 52.16	− 3 11.3	1.713	2.717	1.0	18.5
9 28	23 43.47	− 4 15.4	1.730	2.721	3.9	18.7
10 8	23 35.62	− 5 10.9	1.775	2.724	8.1	19.0
10 18	23 29.42	− 5 53.0	1.845	2.727	11.8	19.2
10 28	23 25.42	− 6 18.7	1.937	2.730	15.0	19.4
272551 2005 UZ_{407}			9 20.1	282°.20	1°.7/18.7	18
8 19	0 13.14	− 2 33.3	1.571	2.463	14.0	21.0
8 29	0 8.14	− 3 18.6	1.494	2.447	10.0	20.8
9 8	0 0.93	− 4 15.0	1.439	2.430	5.6	20.5
9 18	23 52.23	− 5 16.2	1.410	2.414	1.7	20.2
9 28	23 43.13	− 6 14.5	1.408	2.397	5.0	20.4
10 8	23 34.81	− 7 1.9	1.431	2.380	9.7	20.6
10 18	23 28.32	− 7 33.1	1.478	2.363	14.1	20.8
10 28	23 24.39	− 7 44.7	1.546	2.347	17.8	21.0
163702 2003 FR_{72}			9 20.1	207°.50	4°.1/11.2	18
8 19	0 5.90	−24 4.2	4.519	5.394	5.9	19.6
8 29	0 1.70	−24 40.8	4.471	5.394	4.8	19.5
9 8	23 56.78	−25 12.2	4.451	5.393	4.2	19.5
9 18	23 51.44	−25 35.9	4.458	5.392	4.3	19.5
9 28	23 46.07	−25 49.7	4.493	5.392	5.2	19.5
10 8	23 41.03	−25 52.3	4.554	5.391	6.3	19.6
10 18	23 36.66	−25 43.3	4.640	5.390	7.5	19.7
10 28	23 33.24	−25 23.0	4.747	5.389	8.6	19.8
279780 1999 TJ_{208}			9 20.1	4°.06	15°.3/ 8.6	17
8 19	23 54.86	+32 0.1	0.913	1.720	28.2	18.4
8 29	23 55.91	+33 1.0	0.862	1.718	25.5	18.2
9 8	23 54.37	+33 7.4	0.823	1.719	22.4	18.0
9 18	23 51.07	+32 12.4	0.796	1.723	19.1	17.9
9 28	23 47.42	+30 16.7	0.785	1.730	16.4	17.7
10 8	23 45.00	+27 32.2	0.792	1.741	15.3	17.7
10 18	23 44.96	+24 18.9	0.818	1.755	16.2	17.9
10 28	23 48.01	+21 0.9	0.863	1.772	18.6	18.1
226289 2003 BD_{38}			9 20.1	208°.21	1°.3/18.8	18
8 19	0 14.25	− 2 11.9	1.878	2.760	12.6	21.1
8 29	0 8.53	− 2 57.5	1.807	2.755	9.0	20.9
9 8	0 0.96	− 3 52.1	1.761	2.750	5.0	20.6
9 18	23 52.22	− 4 50.5	1.741	2.745	1.4	20.4
9 28	23 43.26	− 5 46.0	1.750	2.739	4.3	20.6
10 8	23 35.05	− 6 32.3	1.786	2.732	8.4	20.8
10 18	23 28.45	− 7 4.9	1.848	2.725	12.1	21.0
10 28	23 24.05	− 7 21.2	1.932	2.718	15.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
176773 2002 RY_{205}			9 20.1	144°.45	1°.6/21.4	18
	h m	° ′			°	m
8 19	0 17.77	+ 4 10.1	1.641	2.505	14.9	20.0
8 29	0 11.21	+ 4 8.7	1.577	2.511	11.1	19.8
9 8	0 2.51	+ 3 53.2	1.535	2.517	6.7	19.5
9 18	23 52.50	+ 3 26.6	1.520	2.522	2.3	19.3
9 28	23 42.30	+ 2 53.8	1.532	2.526	3.6	19.4
10 8	23 33.09	+ 2 20.9	1.571	2.531	8.0	19.7
10 18	23 25.81	+ 1 53.6	1.636	2.535	12.1	19.9
10 28	23 21.10	+ 1 36.5	1.723	2.539	15.6	20.2
220951 2005 LT_{17}			9 20.1	310°.41	0°.6/18.9	17
8 19	0 4.30	− 2 40.9	4.071	4.944	6.5	20.2
8 29	0 0.63	− 3 8.6	3.996	4.940	4.6	20.1
9 8	23 56.22	− 3 39.9	3.949	4.937	2.5	19.9
9 18	23 51.36	− 4 12.5	3.930	4.934	0.6	19.8
9 28	23 46.42	− 4 44.0	3.942	4.931	2.1	19.9
10 8	23 41.78	− 5 12.1	3.984	4.928	4.2	20.0
10 18	23 37.78	− 5 34.6	4.053	4.925	6.2	20.2
10 28	23 34.71	− 5 50.1	4.147	4.921	7.9	20.3
101132 1998 RP_{60}			9 20.1	307°.45	3°.2/22.6	18
8 19	0 12.47	+ 8 4.8	1.395	2.264	16.8	19.4
8 29	0 7.91	+ 8 1.9	1.317	2.250	12.9	19.1
9 8	0 0.92	+ 7 37.8	1.260	2.236	8.4	18.8
9 18	23 52.26	+ 6 54.6	1.225	2.223	4.1	18.5
9 28	23 43.10	+ 5 57.7	1.216	2.210	4.4	18.5
10 8	23 34.80	+ 4 55.6	1.232	2.198	8.9	18.8
10 18	23 28.52	+ 3 57.4	1.271	2.186	13.6	19.0
10 28	23 25.08	+ 3 11.0	1.331	2.174	17.8	19.2
127016 2002 GD_{15}			9 20.1	82°.08	1°.2/18.8	18
8 19	0 11.31	− 2 39.7	2.172	3.053	11.1	19.8
8 29	0 6.07	− 3 18.2	2.120	3.068	7.8	19.6
9 8	23 59.40	− 4 3.1	2.093	3.082	4.3	19.4
9 18	23 51.94	− 4 49.8	2.093	3.097	1.2	19.2
9 28	23 44.43	− 5 33.1	2.123	3.111	3.6	19.4
10 8	23 37.67	− 6 8.6	2.180	3.126	7.1	19.7
10 18	23 32.25	− 6 32.8	2.263	3.140	10.2	19.9
10 28	23 28.66	− 6 44.0	2.369	3.154	12.8	20.1
476599 2008 SA_{74}			9 20.2	344°.75	1°.1/20.9	16
8 19	0 8.24	+ 2 43.2	1.114	2.018	17.5	21.2
8 29	0 5.17	+ 2 34.4	1.048	2.003	13.0	20.9
9 8	23 59.49	+ 2 7.0	1.001	1.990	7.7	20.5
9 18	23 52.01	+ 1 25.4	0.975	1.979	2.1	20.2
9 28	23 44.09	+ 0 37.3	0.972	1.969	4.4	20.3
10 8	23 37.19	− 0 7.8	0.992	1.960	10.2	20.6
10 18	23 32.57	− 0 41.5	1.033	1.954	15.4	20.9
10 28	23 31.03	− 0 57.6	1.092	1.949	19.9	21.1
234109 1999 VA_{116}			9 20.2	68°.81	1°.3/18.9	18
8 19	0 12.26	− 1 51.3	1.706	2.594	13.2	20.3
8 29	0 7.14	− 2 36.8	1.648	2.599	9.4	20.1
9 8	0 0.18	− 3 31.8	1.613	2.604	5.2	19.8
9 18	23 52.10	− 4 30.3	1.605	2.608	1.4	19.6
9 28	23 43.88	− 5 25.6	1.623	2.613	4.3	19.8
10 8	23 36.55	− 6 10.9	1.669	2.618	8.6	20.1
10 18	23 30.91	− 6 41.8	1.739	2.623	12.3	20.3
10 28	23 27.53	− 6 55.8	1.830	2.628	15.5	20.6
296623 2009 SG_{47}			9 20.2	351°.32	0°.8/20.9	17
8 19	0 9.81	+ 2 42.0	1.775	2.653	13.3	20.2
8 29	0 5.43	+ 2 28.6	1.705	2.648	9.8	20.0
9 8	23 59.26	+ 2 2.9	1.658	2.643	5.8	19.8
9 18	23 51.95	+ 1 28.3	1.636	2.639	1.6	19.5
9 28	23 44.41	+ 0 49.8	1.641	2.636	3.3	19.6
10 8	23 37.61	+ 0 13.3	1.673	2.634	7.5	19.9
10 18	23 32.37	− 0 15.9	1.729	2.632	11.4	20.1
10 28	23 29.27	− 0 33.8	1.808	2.631	14.7	20.3
75755 2000 AF_{162}			9 20.2	270°.77	0°.1/20.1	18
8 19	0 12.90	+ 0 55.2	2.017	2.889	12.2	21.0
8 29	0 7.64	+ 0 23.8	1.924	2.866	8.9	20.7
9 8	0 0.54	− 0 19.0	1.856	2.843	5.1	20.4
9 18	23 52.19	− 1 9.3	1.815	2.819	0.9	20.1
9 28	23 43.44	− 2 1.7	1.802	2.795	3.4	20.2
10 8	23 35.24	− 2 50.2	1.817	2.770	7.7	20.5
10 18	23 28.45	− 3 29.3	1.858	2.745	11.5	20.6
10 28	23 23.73	− 3 55.1	1.921	2.720	14.9	20.8
366655 2003 SS_{329}			9 20.2	17°.41	0°.9/20.7	16
8 19	0 11.44	+ 0 41.8	0.793	1.715	20.7	20.4
8 29	0 7.73	+ 0 58.3	0.759	1.724	15.1	20.1
9 8	0 0.91	+ 0 57.1	0.742	1.735	8.7	19.8
9 18	23 52.24	+ 0 43.1	0.744	1.748	2.0	19.5
9 28	23 43.56	+ 0 24.8	0.767	1.764	5.0	19.8
10 8	23 36.64	+ 0 10.9	0.810	1.781	11.2	20.2
10 18	23 32.66	+ 0 8.0	0.872	1.800	16.6	20.6
10 28	23 32.21	+ 0 20.4	0.951	1.821	21.0	20.9

308997 2006 UD_{39} 9 20.2 191°.42 0°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.61	+ 0 57.6	2.504	3.369	10.4	21.7
8 29	0 6.25	+ 0 26.2	2.429	3.368	7.5	21.5
9 8	23 59.54	− 0 13.7	2.380	3.366	4.2	21.3
9 18	23 51.99	− 0 58.8	2.359	3.363	0.8	21.0
9 28	23 44.29	− 1 44.7	2.368	3.361	2.8	21.2
10 8	23 37.15	− 2 26.9	2.406	3.358	6.1	21.4
10 18	23 31.18	− 3 1.5	2.471	3.354	9.2	21.6
10 28	23 26.85	− 3 25.8	2.560	3.350	11.8	21.8

166498 2002 QT_{8} 9 20.2 18°.81 1°.4/19.3 18

8 19	0 16.34	− 4 33.3	1.252	2.154	16.1	18.2
8 29	0 10.50	− 4 22.3	1.205	2.162	11.5	18.0
9 8	0 2.20	− 4 17.5	1.179	2.171	6.4	17.7
9 18	23 52.47	− 4 14.2	1.177	2.181	1.6	17.5
9 28	23 42.70	− 4 7.5	1.201	2.193	4.9	17.7
10 8	23 34.27	− 3 52.9	1.249	2.206	9.9	18.0
10 18	23 28.19	− 3 27.9	1.319	2.219	14.3	18.3
10 28	23 25.05	− 2 51.3	1.409	2.234	18.0	18.6

377127 2003 EV_{52} 9 20.2 63°.67 4°.1/18.3 16

8 19	0 35.00	−12 52.5	1.470	2.343	15.9	20.8
8 29	0 22.93	−12 32.3	1.444	2.384	11.4	20.7
9 8	0 8.67	−12 7.2	1.443	2.426	6.8	20.5
9 18	23 53.56	−11 33.2	1.471	2.466	4.1	20.5
9 28	23 39.16	−10 48.0	1.528	2.507	6.4	20.7
10 8	23 26.82	− 9 52.0	1.615	2.546	10.3	21.0
10 18	23 17.34	− 8 47.0	1.728	2.585	13.8	21.3
10 28	23 11.09	− 7 34.9	1.862	2.624	16.6	21.6

349153 2007 OS_{2} 9 20.2 19°.36 8°.9/11.4 18

8 19	0 8.62	−17 15.8	1.268	2.188	14.5	19.3
8 29	0 5.00	−19 23.6	1.237	2.194	11.2	19.2
9 8	23 59.13	−21 24.1	1.229	2.202	9.1	19.1
9 18	23 51.93	−23 4.2	1.244	2.210	9.5	19.1
9 28	23 44.68	−24 13.1	1.282	2.219	12.0	19.3
10 8	23 38.62	−24 46.1	1.341	2.230	15.2	19.5
10 18	23 34.67	−24 43.6	1.420	2.241	18.2	19.8
10 28	23 33.37	−24 9.6	1.514	2.252	20.7	20.0

399770 2005 MU_{27} 9 20.2 82°.11 8°.4/29.9 18

8 19	0 13.10	+25 22.8	2.063	2.812	16.3	20.8
8 29	0 7.75	+25 57.2	1.992	2.820	14.0	20.6
9 8	0 0.56	+26 6.4	1.939	2.828	11.6	20.5
9 18	23 52.20	+25 48.7	1.909	2.837	9.5	20.4
9 28	23 43.60	+25 5.2	1.903	2.845	8.4	20.3
10 8	23 35.75	+24 1.0	1.923	2.853	8.9	20.4
10 18	23 29.49	+22 43.4	1.968	2.861	10.7	20.5
10 28	23 25.43	+21 21.2	2.036	2.869	12.9	20.7

131157 2001 CH_{16} 9 20.2 287°.77 3°.2/16.6 18

8 19	0 10.37	− 8 19.1	2.123	3.017	10.8	20.1
8 29	0 5.66	− 9 15.4	2.046	2.999	7.7	19.9
9 8	23 59.35	−10 15.6	1.994	2.982	4.6	19.7
9 18	23 51.99	−11 14.0	1.970	2.965	3.3	19.6
9 28	23 44.37	−12 4.3	1.973	2.948	5.5	19.7
10 8	23 37.34	−12 41.3	2.004	2.931	8.8	19.8
10 18	23 31.63	−13 1.9	2.059	2.914	12.0	20.0
10 28	23 27.84	−13 4.4	2.135	2.897	14.8	20.2

68287 2001 FL_{24} 9 20.2 126°.96 3°.2/25.6 18

8 19	0 7.65	+14 57.1	3.564	4.357	9.2	19.7
8 29	0 3.12	+14 54.7	3.487	4.366	7.3	19.5
9 8	23 57.67	+14 40.7	3.435	4.375	5.4	19.4
9 18	23 51.67	+14 15.9	3.410	4.383	3.7	19.3
9 28	23 45.57	+13 42.2	3.413	4.391	3.2	19.3
10 8	23 39.87	+13 2.7	3.446	4.399	4.4	19.4
10 18	23 34.96	+12 20.5	3.508	4.407	6.3	19.5
10 28	23 31.21	+11 39.3	3.596	4.415	8.1	19.7

487389 2014 QD_{305} 9 20.2 21°.26 4°.9/25.1 17

8 19	0 12.75	+14 9.0	2.152	2.967	13.6	21.5
8 29	0 7.34	+14 36.1	2.077	2.969	10.9	21.3
9 8	0 0.27	+14 46.1	2.025	2.972	8.1	21.2
9 18	23 52.15	+14 39.0	1.998	2.975	5.6	21.0
9 28	23 43.81	+14 17.0	1.998	2.978	5.0	21.0
10 8	23 36.11	+13 44.3	2.026	2.981	6.9	21.1
10 18	23 29.83	+13 6.3	2.080	2.985	9.6	21.3
10 28	23 25.52	+12 28.9	2.158	2.988	12.3	21.5

293809 Zugspitze 9 20.2 345°.57 1°.8/21.8 18

8 19	0 8.97	+ 6 43.3	1.533	2.406	15.3	20.3
8 29	0 5.08	+ 6 5.4	1.463	2.401	11.5	20.0
9 8	23 59.17	+ 5 7.5	1.415	2.397	7.1	19.8
9 18	23 51.97	+ 3 53.9	1.392	2.393	2.6	19.5
9 28	23 44.50	+ 2 32.3	1.394	2.390	3.6	19.6
10 8	23 37.86	+ 1 11.8	1.422	2.387	8.1	19.8
10 18	23 32.98	+ 0 0.9	1.475	2.385	12.5	20.1
10 28	23 30.50	− 0 54.0	1.549	2.383	16.2	20.3

319705 2006 UF_{25} 9 20.2 44°.27 0°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.29	− 0 55.4	1.117	2.017	17.7	19.7
8 29	0 10.55	− 1 13.5	1.078	2.034	12.7	19.5
9 8	0 2.24	− 1 44.1	1.061	2.052	7.0	19.2
9 18	23 52.49	− 2 20.9	1.065	2.070	1.2	18.9
9 28	23 42.81	− 2 55.5	1.095	2.089	4.9	19.2
10 8	23 34.64	− 3 20.7	1.148	2.108	10.2	19.6
10 18	23 29.00	− 3 31.5	1.223	2.128	14.9	19.9
10 28	23 26.44	− 3 25.5	1.318	2.148	18.7	20.2

203912 2003 JM_{16} 9 20.2 126°.70 3°.7/16.9 18

8 19	0 15.74	− 6 0.1	1.486	2.383	14.3	20.1
8 29	0 9.79	− 7 26.9	1.441	2.396	10.1	19.8
9 8	0 1.71	− 9 0.3	1.419	2.408	5.8	19.6
9 18	23 52.41	−10 30.8	1.423	2.420	3.7	19.5
9 28	23 43.06	−11 48.4	1.454	2.432	6.7	19.7
10 8	23 34.86	−12 45.7	1.511	2.442	10.8	20.0
10 18	23 28.69	−13 19.3	1.591	2.453	14.6	20.3
10 28	23 25.12	−13 28.7	1.691	2.462	17.6	20.5

50026 2000 AS_{41} 9 20.2 198°.19 2°.6/17.9 18

8 19	0 15.64	− 5 35.5	1.684	2.575	13.3	19.4
8 29	0 9.68	− 6 21.5	1.621	2.573	9.5	19.1
9 8	0 1.68	− 7 13.8	1.582	2.571	5.3	18.9
9 18	23 52.42	− 8 6.0	1.568	2.569	2.6	18.7
9 28	23 42.95	− 8 50.8	1.583	2.566	5.4	18.9
10 8	23 34.40	− 9 22.4	1.624	2.563	9.5	19.1
10 18	23 27.66	− 9 37.1	1.689	2.560	13.3	19.4
10 28	23 23.37	− 9 33.6	1.774	2.556	16.6	19.6

214042 2004 EX_{62} 9 20.2 119°.70 1°.4/21.8 18

8 19	0 11.41	+ 6 21.6	2.312	3.162	11.7	21.4
8 29	0 6.12	+ 5 44.6	2.251	3.177	8.6	21.3
9 8	23 59.46	+ 4 55.0	2.215	3.192	5.3	21.1
9 18	23 52.00	+ 3 55.9	2.206	3.206	2.0	20.9
9 28	23 44.48	+ 2 52.5	2.226	3.220	2.7	21.0
10 8	23 37.64	+ 1 50.3	2.276	3.234	6.0	21.2
10 18	23 32.09	+ 0 54.3	2.353	3.247	9.1	21.4
10 28	23 28.27	+ 0 8.6	2.454	3.260	11.8	21.6

61971 2000 RW_{24} 9 20.2 250°.98 5°.5/24.6 18

8 19	0 14.65	+13 42.7	1.475	2.314	17.6	20.1
8 29	0 9.42	+13 50.0	1.398	2.307	14.1	19.8
9 8	0 1.78	+13 32.1	1.341	2.300	10.1	19.6
9 18	23 52.48	+12 49.2	1.306	2.292	6.5	19.4
9 28	23 42.72	+11 45.6	1.297	2.284	5.7	19.3
10 8	23 33.86	+10 29.5	1.314	2.276	8.9	19.5
10 18	23 27.02	+ 9 11.0	1.354	2.268	13.0	19.7
10 28	23 23.01	+ 8 0.0	1.416	2.260	16.9	19.9

127955 2003 HY_{13} 9 20.2 22°.79 4°.1/16.9 18 R

8 19	0 8.78	− 6 1.3	1.026	1.949	16.9	18.4
8 29	0 5.30	− 7 14.9	0.995	1.963	11.9	18.2
9 8	23 59.35	− 8 35.4	0.984	1.978	6.8	18.0
9 18	23 51.99	− 9 51.6	0.995	1.995	4.2	17.9
9 28	23 44.68	−10 52.0	1.029	2.013	7.6	18.1
10 8	23 38.78	−11 28.7	1.085	2.033	12.3	18.5
10 18	23 35.22	−11 39.0	1.162	2.053	16.5	18.8
10 28	23 34.51	−11 23.4	1.256	2.076	20.0	19.1

223362 2003 SJ_{7} 9 20.2 86°.42 0°.1/20.2 18

8 19	0 8.37	+ 2 55.5	2.265	3.134	11.2	20.5
8 29	0 4.02	+ 1 55.8	2.203	3.143	8.1	20.4
9 8	23 58.31	+ 0 44.8	2.165	3.151	4.6	20.2
9 18	23 51.81	− 0 32.9	2.156	3.160	0.8	19.9
9 28	23 45.22	− 1 51.2	2.175	3.168	2.9	20.1
10 8	23 39.26	− 3 4.1	2.223	3.177	6.4	20.3
10 18	23 34.52	− 4 6.5	2.298	3.186	9.6	20.6
10 28	23 31.45	− 4 54.8	2.397	3.194	12.3	20.8

393769 2005 GJ_{136} 9 20.2 135°.45 1°.4/21.9 18

8 19	0 9.85	+ 7 40.0	2.040	2.894	12.9	21.3
8 29	0 5.23	+ 6 41.9	1.971	2.899	9.6	21.1
9 8	23 59.07	+ 5 26.9	1.927	2.904	5.9	20.9
9 18	23 51.96	+ 3 59.6	1.909	2.909	2.2	20.7
9 28	23 44.72	+ 2 26.6	1.919	2.914	2.9	20.7
10 8	23 38.17	+ 0 55.5	1.959	2.919	6.6	21.0
10 18	23 33.01	− 0 26.7	2.025	2.923	10.2	21.2
10 28	23 29.75	− 1 34.8	2.116	2.928	13.2	21.4

514734 2007 BJ_{41} 9 20.2 151°.75 0°.2/20.5 18

8 19	0 10.70	+ 1 55.9	2.702	3.562	9.9	22.8
8 29	0 5.49	+ 1 23.6	2.635	3.570	7.1	22.6
9 8	23 59.08	+ 0 43.0	2.593	3.577	4.1	22.4
9 18	23 51.95	− 0 2.7	2.580	3.584	0.8	22.2
9 28	23 44.74	− 0 49.6	2.597	3.590	2.5	22.3
10 8	23 38.07	− 1 33.4	2.644	3.596	5.6	22.5
10 18	23 32.48	− 2 10.5	2.718	3.602	8.4	22.7
10 28	23 28.40	− 2 38.2	2.816	3.607	10.8	22.9

393497 2002 QS_{92} 9 20.2 355°.18 3°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.64	− 7 9.4	1.667	2.569	12.8	20.9
8 29	0 6.09	− 8 20.8	1.610	2.568	9.1	20.7
9 8	23 59.66	− 9 37.7	1.577	2.567	5.3	20.5
9 18	23 52.08	−10 52.3	1.569	2.566	3.6	20.4
9 28	23 44.32	−11 56.3	1.589	2.566	6.3	20.5
10 8	23 37.42	−12 43.2	1.633	2.565	10.1	20.8
10 18	23 32.21	−13 9.3	1.702	2.566	13.6	21.0
10 28	23 29.26	−13 13.7	1.790	2.566	16.6	21.2

60261 1999 XC_{14} 9 20.2 346°.93 4°.4/15.1 18

8 19	0 9.09	−11 6.8	1.976	2.877	11.1	19.2
8 29	0 4.76	−12 22.9	1.919	2.875	8.0	19.0
9 8	23 58.83	−13 40.3	1.888	2.872	5.2	18.8
9 18	23 51.92	−14 51.9	1.883	2.870	4.6	18.8
9 28	23 44.87	−15 50.7	1.905	2.869	6.8	18.9
10 8	23 38.53	−16 31.6	1.954	2.867	9.8	19.1
10 18	23 33.61	−16 52.0	2.025	2.866	12.8	19.3
10 28	23 30.64	−16 51.5	2.117	2.865	15.3	19.5

289323 2005 AZ_{46} 9 20.2 303°.97 2°.3/22.0 18

8 19	0 12.25	+ 6 17.8	1.574	2.442	15.2	20.1
8 29	0 7.75	+ 6 8.6	1.476	2.411	11.6	19.8
9 8	0 0.91	+ 5 41.3	1.400	2.380	7.4	19.4
9 18	23 52.36	+ 4 57.5	1.348	2.349	3.1	19.1
9 28	23 43.13	+ 4 2.3	1.322	2.317	3.9	19.1
10 8	23 34.48	+ 3 3.3	1.322	2.286	8.7	19.3
10 18	23 27.56	+ 2 8.7	1.347	2.255	13.4	19.5
10 28	23 23.27	+ 1 25.9	1.391	2.225	17.7	19.7

508061 2015 CL_{1} 9 20.2 209°.64 0°.6/20.7 17

8 19	0 15.75	+ 2 52.3	1.796	2.663	13.7	22.7
8 29	0 9.76	+ 2 23.1	1.720	2.658	10.1	22.4
9 8	0 1.77	+ 1 40.3	1.667	2.652	5.9	22.2
9 18	23 52.48	+ 0 47.9	1.641	2.645	1.4	21.9
9 28	23 42.89	− 0 8.0	1.644	2.638	3.5	22.0
10 8	23 34.09	− 1 0.7	1.673	2.630	7.9	22.3
10 18	23 26.98	− 1 44.1	1.729	2.621	12.0	22.5
10 28	23 22.22	− 2 14.0	1.807	2.612	15.4	22.7

350994 2003 GT_{42} 9 20.2 139°.03 2°.5/16.5 18

8 19	0 10.68	− 8 7.8	2.935	3.816	8.5	22.2
8 29	0 5.36	− 9 9.7	2.883	3.831	6.0	22.1
9 8	23 58.95	−10 13.3	2.860	3.846	3.6	21.9
9 18	23 51.94	−11 14.3	2.865	3.860	2.5	21.9
9 28	23 44.89	−12 8.3	2.902	3.873	4.2	22.0
10 8	23 38.37	−12 51.7	2.967	3.886	6.6	22.2
10 18	23 32.89	−13 22.3	3.059	3.898	8.9	22.4
10 28	23 28.81	−13 39.2	3.174	3.909	10.9	22.6

58890 1998 HS_{145} 9 20.2 92°.05 5°.0/14.7 18

8 19	0 12.32	−14 30.1	2.082	2.978	10.9	19.4
8 29	0 6.94	−15 29.6	2.034	2.983	8.0	19.3
9 8	24 0.00	−16 26.6	2.010	2.988	5.6	19.1
9 18	23 52.14	−17 14.6	2.013	2.993	5.2	19.1
9 28	23 44.23	−17 48.2	2.044	2.999	7.0	19.3
10 8	23 37.10	−18 3.7	2.101	3.004	9.8	19.4
10 18	23 31.44	−18 0.1	2.181	3.009	12.4	19.6
10 28	23 27.75	−17 38.2	2.282	3.014	14.7	19.8

401601 2013 GP_{25} 9 20.2 131°.38 1°.6/22.2 18

8 19	0 11.33	+ 6 40.3	2.555	3.399	10.9	21.9
8 29	0 6.01	+ 6 21.1	2.489	3.410	8.1	21.7
9 8	23 59.40	+ 5 50.6	2.447	3.421	5.1	21.5
9 18	23 52.04	+ 5 11.0	2.432	3.431	2.2	21.4
9 28	23 44.60	+ 4 26.2	2.447	3.441	2.6	21.4
10 8	23 37.74	+ 3 40.6	2.492	3.450	5.5	21.6
10 18	23 32.04	+ 2 58.5	2.564	3.460	8.4	21.8
10 28	23 27.95	+ 2 23.6	2.661	3.468	10.9	22.0

404400 2013 GD_{56} 9 20.2 51°.30 2°.4/17.8 18

8 19	0 12.15	− 6 18.4	1.918	2.809	11.8	20.7
8 29	0 6.83	− 6 56.5	1.873	2.826	8.3	20.5
9 8	23 59.92	− 7 38.3	1.852	2.842	4.7	20.3
9 18	23 52.14	− 8 18.4	1.858	2.858	2.4	20.2
9 28	23 44.36	− 8 51.4	1.892	2.875	4.8	20.4
10 8	23 37.44	− 9 13.0	1.953	2.892	8.2	20.6
10 18	23 32.06	− 9 20.7	2.039	2.909	11.4	20.9
10 28	23 28.70	− 9 13.7	2.146	2.927	14.1	21.1

20739 1999 XM_{193} 9 20.2 238°.19 2°.0/24.6 18

8 19	0 4.51	+11 52.0	4.859	5.665	6.7	19.2
8 29	0 0.75	+11 47.9	4.767	5.657	5.3	19.1
9 8	23 56.33	+11 36.1	4.699	5.650	3.7	19.0
9 18	23 51.50	+11 17.6	4.660	5.643	2.4	18.9
9 28	23 46.58	+10 53.6	4.651	5.635	2.1	18.8
10 8	23 41.89	+10 26.2	4.672	5.628	3.2	18.9
10 18	23 37.73	+ 9 57.4	4.721	5.620	4.8	19.0
10 28	23 34.37	+ 9 29.5	4.798	5.612	6.3	19.1

196865 2003 ST_{278} 9 20.2 79°.16 5°.6/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.04	+21 0.3	2.387	3.162	13.6	19.6
8 29	0 4.56	+20 49.6	2.314	3.171	11.3	19.4
9 8	23 58.67	+20 17.6	2.261	3.180	8.8	19.3
9 18	23 51.93	+19 24.9	2.233	3.189	6.6	19.2
9 28	23 45.06	+18 14.7	2.232	3.199	5.6	19.1
10 8	23 38.82	+16 52.6	2.258	3.208	6.6	19.2
10 18	23 33.82	+15 25.2	2.312	3.217	8.7	19.4
10 28	23 30.56	+13 59.6	2.391	3.227	11.1	19.5

355758 2008 QM_{42} 9 20.2 287°.05 1°.1/22.4 15

8 19	0 3.69	+ 6 32.9	4.427	5.265	6.7	21.5
8 29	0 0.20	+ 6 13.6	4.346	5.264	5.0	21.4
9 8	23 56.02	+ 5 47.6	4.292	5.264	3.2	21.3
9 18	23 51.44	+ 5 16.3	4.266	5.263	1.4	21.1
9 28	23 46.79	+ 4 41.9	4.270	5.263	1.6	21.2
10 8	23 42.40	+ 4 6.6	4.304	5.263	3.4	21.3
10 18	23 38.59	+ 3 32.8	4.367	5.262	5.2	21.4
10 28	23 35.63	+ 3 2.7	4.456	5.262	6.9	21.6

100102 1993 FU_{30} 9 20.2 131°.96 1°.9/18.5 17

8 19	0 15.88	− 3 36.5	1.675	2.562	13.5	19.9
8 29	0 9.77	− 4 21.0	1.620	2.571	9.6	19.7
9 8	0 1.71	− 5 13.2	1.589	2.579	5.3	19.5
9 18	23 52.48	− 6 6.7	1.585	2.587	1.9	19.3
9 28	23 43.17	− 6 54.7	1.608	2.595	4.8	19.5
10 8	23 34.85	− 7 31.1	1.658	2.603	9.0	19.8
10 18	23 28.36	− 7 52.1	1.733	2.610	12.8	20.0
10 28	23 24.28	− 7 56.1	1.828	2.616	15.9	20.3

404507 2013 HX_{41} 9 20.2 33°.19 0°.1/20.3 18

8 19	0 12.12	+ 0 27.1	1.839	2.718	12.9	20.8
8 29	0 6.93	+ 0 14.4	1.784	2.729	9.3	20.6
9 8	0 0.05	− 0 8.0	1.752	2.739	5.3	20.3
9 18	23 52.18	− 0 36.1	1.747	2.751	1.0	20.1
9 28	23 44.24	− 1 5.1	1.769	2.763	3.3	20.3
10 8	23 37.14	− 1 30.0	1.818	2.775	7.3	20.5
10 18	23 31.62	− 1 46.8	1.892	2.787	10.9	20.8
10 28	23 28.19	− 1 52.7	1.989	2.800	14.0	21.0

253412 Ráskaylea 9 20.2 20°.32 0°.4/19.9 18

8 19	0 9.00	+ 2 26.2	1.000	1.909	18.5	20.3
8 29	0 5.69	+ 1 24.4	0.955	1.915	13.4	20.0
9 8	23 59.73	+ 0 1.3	0.930	1.922	7.5	19.7
9 18	23 52.15	− 1 34.0	0.925	1.930	1.3	19.3
9 28	23 44.42	− 3 8.1	0.944	1.939	5.1	19.6
10 8	23 38.04	− 4 28.3	0.986	1.949	11.0	20.0
10 18	23 34.09	− 5 25.9	1.048	1.960	16.1	20.3
10 28	23 33.21	− 5 56.6	1.128	1.972	20.2	20.6

320204 2007 HW_{11} 9 20.2 169°.16 2°.2/17.5 18

8 19	0 11.03	− 7 2.4	2.573	3.457	9.5	21.6
8 29	0 5.81	− 7 42.6	2.510	3.459	6.7	21.4
9 8	23 59.31	− 8 25.6	2.473	3.461	3.8	21.2
9 18	23 52.05	− 9 7.3	2.464	3.463	2.2	21.1
9 28	23 44.69	− 9 43.3	2.485	3.464	4.1	21.2
10 8	23 37.91	−10 9.9	2.534	3.465	7.0	21.4
10 18	23 32.27	−10 24.7	2.609	3.466	9.7	21.6
10 28	23 28.23	−10 26.5	2.707	3.467	12.0	21.8

120988 1998 XM_{18} 9 20.2 273°.77 0°.3/19.9 18

8 19	0 9.88	+ 0 17.1	2.372	3.245	10.6	20.6
8 29	0 5.19	− 0 15.9	2.289	3.231	7.7	20.4
9 8	23 59.06	− 0 57.8	2.231	3.218	4.3	20.2
9 18	23 52.02	− 1 45.1	2.200	3.204	0.7	19.9
9 28	23 44.75	− 2 33.1	2.198	3.190	3.0	20.0
10 8	23 37.99	− 3 16.9	2.225	3.177	6.5	20.2
10 18	23 32.39	− 3 52.3	2.278	3.163	9.8	20.4
10 28	23 28.49	− 4 16.2	2.355	3.149	12.6	20.6

261916 2006 KW_{15} 9 20.2 83°.70 6°.4/14.8 17

8 19	0 15.49	−11 40.9	1.295	2.204	15.1	20.3
8 29	0 9.78	−13 24.8	1.263	2.221	10.9	20.1
9 8	0 1.77	−15 7.6	1.255	2.239	7.3	20.0
9 18	23 52.49	−16 37.6	1.271	2.257	6.6	20.0
9 28	23 43.29	−17 44.3	1.312	2.274	9.3	20.2
10 8	23 35.45	−18 22.0	1.377	2.291	13.0	20.5
10 18	23 29.89	−18 30.2	1.463	2.308	16.5	20.7
10 28	23 27.12	−18 11.3	1.566	2.324	19.4	21.0

72763 2001 FT_{143} 9 20.2 345°.68 3°.1/16.9 18

8 19	0 9.52	− 7 45.0	1.945	2.843	11.4	18.1
8 29	0 5.11	− 8 37.4	1.882	2.838	8.1	17.9
9 8	23 59.07	− 9 33.7	1.844	2.834	4.8	17.7
9 18	23 52.03	−10 27.7	1.833	2.830	3.1	17.6
9 28	23 44.82	−11 13.4	1.849	2.826	5.5	17.7
10 8	23 38.33	−11 45.4	1.891	2.823	8.9	17.9
10 18	23 33.26	−12 0.8	1.957	2.821	12.1	18.1
10 28	23 30.18	−11 58.4	2.045	2.819	14.9	18.3

93184 2000 SV_{107} 9 20.2 19°.41 2°.9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 6.24	+11 11.5	1.214	2.089	18.4	19.5
8 29	0 3.41	+10 4.5	1.160	2.095	14.0	19.2
9 8	23 58.35	+ 8 27.1	1.125	2.103	9.0	19.0
9 18	23 51.91	+ 6 25.9	1.113	2.112	4.1	18.7
9 28	23 45.31	+ 4 12.9	1.125	2.121	4.0	18.8
10 8	23 39.79	+ 2 2.6	1.163	2.132	8.8	19.1
10 18	23 36.30	+ 0 7.7	1.224	2.144	13.5	19.4
10 28	23 35.45	− 1 22.9	1.305	2.157	17.6	19.7

117895 2802 *P–L* 9 20.2 316°.19 3°.9/17.8 18

8 19	0 17.89	− 9 54.9	1.446	2.345	14.5	19.6
8 29	0 11.93	−10 3.9	1.363	2.318	10.6	19.3
9 8	0 3.32	−10 13.5	1.303	2.292	6.4	19.0
9 18	23 52.86	−10 17.6	1.268	2.266	3.9	18.8
9 28	23 41.80	−10 9.7	1.258	2.241	6.7	18.9
10 8	23 31.60	− 9 45.5	1.274	2.216	11.4	19.1
10 18	23 23.52	− 9 3.3	1.312	2.192	15.9	19.3
10 28	23 18.44	− 8 3.6	1.370	2.169	19.8	19.5

363926 2005 ST_{287} 9 20.2 214°.37 6°.0/12.5 18

8 19	0 11.99	−19 37.0	2.403	3.293	9.9	21.5
8 29	0 6.65	−20 47.6	2.350	3.288	7.7	21.4
9 8	23 59.85	−21 52.9	2.322	3.284	6.2	21.3
9 18	23 52.17	−22 46.6	2.321	3.279	6.3	21.3
9 28	23 44.36	−23 23.4	2.347	3.273	7.9	21.4
10 8	23 37.21	−23 40.3	2.399	3.268	10.1	21.5
10 18	23 31.37	−23 36.7	2.475	3.262	12.3	21.7
10 28	23 27.32	−23 13.6	2.570	3.256	14.3	21.8

430554 2002 JR_{59} 9 20.2 30°.86 12°.5/13.6 17

8 19	0 19.73	−27 0.2	1.052	1.958	18.1	18.8
8 29	0 12.84	−27 55.7	1.048	1.986	14.9	18.7
9 8	0 3.33	−28 26.4	1.063	2.016	12.8	18.7
9 18	23 52.73	−28 23.6	1.099	2.047	12.7	18.8
9 28	23 42.79	−27 43.8	1.155	2.079	14.3	19.0
10 8	23 34.93	−26 30.6	1.232	2.113	16.8	19.3
10 18	23 29.95	−24 51.2	1.327	2.147	19.3	19.6
10 28	23 28.14	−22 53.1	1.439	2.182	21.5	19.8

387101 2012 TE_{134} 9 20.2 46°.95 1°.9/18.5 18

8 19	0 12.14	− 2 33.4	1.466	2.362	14.5	21.0
8 29	0 7.30	− 3 30.4	1.415	2.370	10.3	20.8
9 8	0 0.40	− 4 37.4	1.387	2.379	5.6	20.5
9 18	23 52.27	− 5 47.2	1.384	2.387	1.9	20.3
9 28	23 44.05	− 6 50.9	1.408	2.396	5.1	20.6
10 8	23 36.87	− 7 41.2	1.456	2.405	9.6	20.9
10 18	23 31.60	− 8 13.3	1.529	2.414	13.6	21.1
10 28	23 28.82	− 8 25.0	1.621	2.424	17.0	21.4

247788 2003 SE_{28} 9 20.2 62°.42 4°.8/22.9 18

8 19	0 27.89	+ 8 3.8	1.576	2.412	16.8	20.2
8 29	0 18.54	+ 9 24.2	1.521	2.432	13.0	20.0
9 8	0 6.71	+10 29.3	1.490	2.453	8.9	19.8
9 18	23 53.42	+11 16.9	1.486	2.474	5.4	19.7
9 28	23 40.05	+11 47.5	1.510	2.495	5.4	19.7
10 8	23 28.01	+12 4.5	1.563	2.516	8.7	20.0
10 18	23 18.36	+12 13.1	1.642	2.538	12.3	20.2
10 28	23 11.76	+12 19.4	1.744	2.559	15.5	20.5

171654 2000 GO_{132} 9 20.2 225°.78 1°.5/18.7 18

8 19	0 13.13	− 3 35.2	1.978	2.862	11.9	20.7
8 29	0 7.68	− 4 9.5	1.910	2.859	8.5	20.5
9 8	0 0.52	− 4 50.6	1.866	2.856	4.7	20.2
9 18	23 52.30	− 5 33.7	1.849	2.852	1.5	20.0
9 28	23 43.90	− 6 13.1	1.861	2.849	4.2	20.2
10 8	23 36.23	− 6 43.8	1.900	2.845	8.0	20.4
10 18	23 30.05	− 7 2.1	1.965	2.842	11.5	20.6
10 28	23 25.93	− 7 5.9	2.051	2.838	14.4	20.8

11574 d′Alviella 9 20.2 11°.97 8°.8/12.2 18

8 19	0 0.83	−10 33.3	0.776	1.724	17.7	15.8
8 29	0 0.20	−13 20.2	0.750	1.728	12.8	15.5
9 8	23 56.76	−16 8.5	0.744	1.734	9.3	15.4
9 18	23 51.63	−18 36.7	0.757	1.744	9.6	15.4
9 28	23 46.40	−20 25.8	0.791	1.755	13.3	15.7
10 8	23 42.61	−21 26.5	0.842	1.768	17.7	16.0
10 18	23 41.29	−21 38.9	0.910	1.784	21.7	16.3
10 28	23 42.97	−21 8.6	0.992	1.801	24.9	16.6

149578 2004 BJ_{56} 9 20.2 209°.57 0°.1/20.1 18

8 19	0 14.29	+ 1 42.9	1.766	2.640	13.6	20.7
8 29	0 8.74	+ 0 59.6	1.693	2.635	9.9	20.5
9 8	0 1.22	+ 0 2.9	1.644	2.630	5.6	20.2
9 18	23 52.45	− 1 2.2	1.621	2.625	1.0	19.9
9 28	23 43.40	− 2 8.8	1.626	2.619	3.7	20.1
10 8	23 35.15	− 3 9.5	1.658	2.612	8.2	20.4
10 18	23 28.57	− 3 58.3	1.716	2.605	12.2	20.6
10 28	23 24.31	− 4 31.0	1.796	2.598	15.6	20.8

521643 2015 QM_{17} 9 20.2 324°.79 0°.7/20.9 15

8 19	0 8.36	+ 4 55.5	1.893	2.763	13.0	21.2
8 29	0 4.36	+ 3 59.1	1.819	2.758	9.5	20.9
9 8	23 58.69	+ 2 46.5	1.769	2.753	5.6	20.7
9 18	23 51.98	+ 1 22.8	1.745	2.748	1.5	20.4
9 28	23 45.05	− 0 5.1	1.749	2.744	3.1	20.5
10 8	23 38.79	− 1 29.2	1.781	2.739	7.3	20.8
10 18	23 33.95	− 2 42.6	1.838	2.735	11.1	21.0
10 28	23 31.11	− 3 40.2	1.918	2.731	14.3	21.2

402352 2005 VF_{54} 9 20.2 206°.58 1°.2/18.7 18

8 19	0 10.48	− 2 38.3	2.427	3.305	10.2	22.1
8 29	0 5.53	− 3 22.2	2.355	3.302	7.2	21.9
9 8	23 59.22	− 4 12.8	2.309	3.298	4.0	21.7
9 18	23 52.07	− 5 5.8	2.292	3.295	1.2	21.5
9 28	23 44.76	− 5 56.3	2.303	3.291	3.5	21.6
10 8	23 38.02	− 6 39.5	2.343	3.287	6.8	21.8
10 18	23 32.45	− 7 12.0	2.410	3.282	9.8	22.0
10 28	23 28.53	− 7 31.3	2.499	3.278	12.4	22.2

301382 2009 DX_{3} 9 20.2 235°.92 4°.0/15.8 18

8 19	0 11.40	− 9 26.0	1.981	2.877	11.3	20.5
8 29	0 6.48	−10 41.7	1.916	2.870	8.1	20.3
9 8	23 59.87	−12 0.8	1.877	2.864	5.1	20.1
9 18	23 52.20	−13 16.0	1.865	2.857	4.1	20.0
9 28	23 44.33	−14 20.1	1.882	2.850	6.4	20.1
10 8	23 37.16	−15 7.3	1.924	2.843	9.6	20.3
10 18	23 31.45	−15 34.6	1.991	2.835	12.8	20.5
10 28	23 27.77	−15 41.1	2.078	2.828	15.5	20.7

71202 1999 XJ_{241} 9 20.2 317°.13 4°.5/17.4 18

8 19	0 19.50	−12 9.8	1.524	2.420	14.1	18.4
8 29	0 12.86	−12 16.9	1.450	2.402	10.3	18.2
9 8	0 3.72	−12 21.6	1.399	2.385	6.5	17.9
9 18	23 52.93	−12 18.0	1.374	2.368	4.5	17.8
9 28	23 41.76	−12 0.3	1.375	2.352	7.0	17.9
10 8	23 31.58	−11 25.6	1.402	2.336	11.2	18.1
10 18	23 23.53	−10 33.4	1.452	2.321	15.2	18.3
10 28	23 18.36	− 9 25.2	1.522	2.307	18.7	18.5

39731 1996 XL_{14} 9 20.2 260°.73 3°.2/17.2 18

8 19	0 13.00	− 6 56.3	1.725	2.621	12.7	19.4
8 29	0 7.80	− 7 52.4	1.662	2.617	9.1	19.2
9 8	0 0.67	− 8 53.7	1.623	2.613	5.3	19.0
9 18	23 52.35	− 9 53.5	1.611	2.609	3.2	18.8
9 28	23 43.83	−10 44.3	1.625	2.605	5.9	19.0
10 8	23 36.14	−11 20.1	1.666	2.601	9.7	19.2
10 18	23 30.15	−11 37.4	1.730	2.597	13.3	19.4
10 28	23 26.46	−11 35.2	1.815	2.592	16.4	19.6

407868 2012 BG_{82} 9 20.2 220°.44 2°.8/16.6 18

8 19	0 10.24	− 7 56.3	2.399	3.288	9.9	21.4
8 29	0 5.39	− 8 55.7	2.332	3.283	7.0	21.2
9 8	23 59.15	− 9 58.5	2.290	3.278	4.2	21.1
9 18	23 52.07	−10 59.4	2.277	3.272	2.9	21.0
9 28	23 44.83	−11 52.8	2.292	3.266	4.9	21.1
10 8	23 38.15	−12 34.3	2.336	3.260	7.9	21.3
10 18	23 32.67	−13 0.8	2.405	3.254	10.7	21.4
10 28	23 28.87	−13 11.2	2.496	3.248	13.1	21.6

15435 1998 VS_{28} 9 20.2 310°.11 0°.4/20.5 18

8 19	0 14.72	+ 1 41.8	1.185	2.079	17.4	17.9
8 29	0 9.84	+ 1 23.4	1.118	2.070	12.8	17.6
9 8	0 2.19	+ 0 47.9	1.071	2.060	7.4	17.3
9 18	23 52.68	+ 0 0.4	1.048	2.052	1.5	16.9
9 28	23 42.70	− 0 51.0	1.048	2.043	4.6	17.1
10 8	23 33.83	− 1 36.8	1.072	2.035	10.4	17.4
10 18	23 27.34	− 2 9.5	1.118	2.027	15.6	17.6
10 28	23 24.05	− 2 23.9	1.183	2.020	20.0	17.9

45894 2000 XW_{15} 9 20.2 15°.89 8°.8/25.9 18

8 19	0 16.87	+16 3.0	1.269	2.105	20.1	17.6
8 29	0 11.29	+17 27.1	1.211	2.109	16.6	17.4
9 8	0 2.96	+18 25.4	1.171	2.115	12.9	17.2
9 18	23 52.81	+18 54.0	1.153	2.122	9.7	17.1
9 28	23 42.27	+18 53.1	1.158	2.130	8.8	17.1
10 8	23 32.90	+18 28.7	1.186	2.139	10.8	17.2
10 18	23 25.96	+17 49.7	1.236	2.149	14.1	17.4
10 28	23 22.26	+17 6.8	1.306	2.160	17.4	17.7

219907 2002 EL_{160} 9 20.2 285°.38 0°.6/18.9 16

8 19	0 3.65	− 2 24.7	4.308	5.180	6.2	20.6
8 29	0 0.21	− 2 57.5	4.230	5.174	4.4	20.5
9 8	23 56.07	− 3 33.9	4.180	5.168	2.4	20.3
9 18	23 51.51	− 4 11.8	4.158	5.162	0.6	20.2
9 28	23 46.86	− 4 48.8	4.167	5.156	2.0	20.3
10 8	23 42.49	− 5 22.4	4.206	5.149	4.0	20.4
10 18	23 38.70	− 5 50.6	4.272	5.143	5.9	20.6
10 28	23 35.77	− 6 11.8	4.364	5.137	7.6	20.7

139102 2001 FT_{42} 9 20.2 234.°45 0.°7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.76	− 0 7.0	1.653	2.534	14.0	20.1
8 29	0 9.23	− 0 50.2	1.578	2.525	10.1	19.9
9 8	0 1.59	− 1 46.0	1.527	2.516	5.7	19.6
9 18	23 52.55	− 2 48.9	1.502	2.506	1.1	19.2
9 28	23 43.18	− 3 51.4	1.504	2.496	4.2	19.5
10 8	23 34.63	− 4 46.0	1.533	2.485	8.9	19.7
10 18	23 27.85	− 5 26.8	1.587	2.474	13.1	19.9
10 28	23 23.56	− 5 50.0	1.661	2.463	16.7	20.2

51167 2000 HF_{64} 9 20.2 232.°05 4.°7/25.4 18

8 19	0 10.87	+15 24.1	2.022	2.838	14.4	18.8
8 29	0 6.15	+15 12.9	1.942	2.835	11.5	18.6
9 8	23 59.73	+14 40.5	1.883	2.832	8.4	18.4
9 18	23 52.20	+13 48.0	1.849	2.829	5.6	18.2
9 28	23 44.43	+12 39.3	1.842	2.826	4.8	18.2
10 8	23 37.32	+11 21.0	1.863	2.823	6.9	18.3
10 18	23 31.65	+10 0.6	1.910	2.820	10.1	18.5
10 28	23 28.01	+ 8 45.5	1.981	2.816	13.1	18.7

268846 2006 WX_{198} 9 20.2 185.°34 0.°4/19.9 18

8 19	0 15.31	+ 0 14.9	1.855	2.728	13.0	21.8
8 29	0 9.35	− 0 18.3	1.786	2.729	9.4	21.6
9 8	0 1.53	− 1 2.2	1.741	2.728	5.3	21.3
9 18	23 52.54	− 1 52.2	1.723	2.728	0.9	21.0
9 28	23 43.35	− 2 42.3	1.734	2.726	3.6	21.2
10 8	23 34.97	− 3 26.2	1.772	2.725	7.9	21.5
10 18	23 28.22	− 3 59.2	1.836	2.722	11.7	21.7
10 28	23 23.72	− 4 18.1	1.922	2.719	14.9	21.9

415458 2014 HQ_{151} 9 20.2 306.°98 1.°1/19.2 18

8 19	0 12.63	− 2 6.6	1.776	2.662	12.9	20.9
8 29	0 7.54	− 2 35.7	1.705	2.654	9.3	20.7
9 8	0 0.56	− 3 13.5	1.657	2.647	5.2	20.4
9 18	23 52.37	− 3 55.4	1.635	2.639	1.2	20.1
9 28	23 43.93	− 4 35.4	1.641	2.632	4.1	20.3
10 8	23 36.25	− 5 7.5	1.674	2.625	8.4	20.6
10 18	23 30.19	− 5 27.5	1.731	2.618	12.2	20.8
10 28	23 26.38	− 5 32.6	1.810	2.612	15.5	21.0

120158 2003 HC_{15} 9 20.2 45.°20 6.°1/14.1 18

8 19	0 13.01	−16 55.4	1.898	2.796	11.6	19.4
8 29	0 7.58	−17 55.5	1.855	2.803	8.8	19.3
9 8	0 0.44	−18 50.4	1.837	2.810	6.5	19.2
9 18	23 52.33	−19 33.2	1.844	2.818	6.3	19.2
9 28	23 44.19	−19 58.2	1.878	2.826	8.1	19.3
10 8	23 36.96	−20 2.3	1.937	2.833	10.8	19.5
10 18	23 31.36	−19 45.3	2.019	2.841	13.5	19.7
10 28	23 27.89	−19 8.7	2.121	2.850	15.8	19.9

370675 2004 EN_{30} 9 20.2 255.°00 1.°3/21.4 18

8 19	0 12.26	+ 5 47.8	1.569	2.439	15.2	21.2
8 29	0 7.52	+ 5 4.5	1.495	2.432	11.3	20.9
9 8	0 0.66	+ 4 1.7	1.442	2.425	6.8	20.6
9 18	23 52.41	+ 2 44.2	1.415	2.417	2.2	20.3
9 28	23 43.82	+ 1 19.5	1.414	2.410	3.6	20.4
10 8	23 36.07	− 0 2.8	1.440	2.402	8.4	20.7
10 18	23 30.11	− 1 14.5	1.491	2.394	12.8	20.9
10 28	23 26.65	− 2 9.2	1.563	2.386	16.6	21.1

347996 2003 SS_{194} 9 20.2 331.°81 2.°9/22.2 18

8 19	0 11.94	+ 5 54.9	1.359	2.238	16.6	20.5
8 29	0 7.67	+ 6 10.8	1.281	2.221	12.6	20.2
9 8	0 0.94	+ 6 9.4	1.224	2.204	8.1	19.9
9 18	23 52.48	+ 5 52.0	1.189	2.188	3.7	19.6
9 28	23 43.50	+ 5 23.0	1.179	2.174	4.3	19.6
10 8	23 35.35	+ 4 49.3	1.193	2.160	9.0	19.9
10 18	23 29.23	+ 4 18.4	1.231	2.148	13.8	20.1
10 28	23 25.97	+ 3 57.0	1.288	2.136	17.9	20.3

378066 2006 TN_{129} 9 20.2 321.°05 8.°9/26.9 18

8 19	0 13.53	+18 43.6	1.333	2.157	20.0	20.6
8 29	0 9.01	+19 34.9	1.257	2.146	16.8	20.3
9 8	0 1.80	+19 57.5	1.198	2.136	13.2	20.1
9 18	23 52.65	+19 47.9	1.159	2.125	10.1	19.9
9 28	23 42.89	+19 6.8	1.144	2.116	9.0	19.8
10 8	23 34.02	+18 1.1	1.151	2.107	10.8	19.9
10 18	23 27.36	+16 41.4	1.181	2.098	14.2	20.1
10 28	23 23.86	+15 20.3	1.231	2.090	17.9	20.3

412414 2014 DB_{24} 9 20.2 353.°32 8.°6/23.8 18

8 19	0 28.75	+13 28.0	1.478	2.295	18.7	19.3
8 29	0 19.97	+15 38.7	1.402	2.292	15.3	19.1
9 8	0 8.04	+17 33.6	1.349	2.289	11.8	18.9
9 18	23 53.82	+19 5.7	1.320	2.287	9.1	18.7
9 28	23 38.82	+20 10.4	1.320	2.285	8.9	18.7
10 8	23 24.80	+20 48.5	1.346	2.284	11.2	18.8
10 18	23 13.27	+21 5.5	1.397	2.284	14.6	19.0
10 28	23 5.26	+21 10.4	1.468	2.284	17.8	19.3

24826 Pascoli 9 20.2 318.°83 2.°5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.48	− 2 15.8	1.288	2.192	15.5	18.3
8 29	0 6.55	− 3 32.4	1.224	2.183	11.1	18.0
9 8	0 0.24	− 5 3.8	1.181	2.174	6.1	17.7
9 18	23 52.34	− 6 40.8	1.163	2.165	2.5	17.5
9 28	23 44.10	− 8 11.8	1.169	2.157	6.1	17.7
10 8	23 36.84	− 9 26.1	1.200	2.149	11.2	18.0
10 18	23 31.65	−10 16.5	1.253	2.141	15.8	18.2
10 28	23 29.27	−10 40.0	1.324	2.135	19.7	18.4

435115 2007 DF_{84} 9 20.2 171.°72 0.°8/19.4 17

8 19	0 13.24	− 0 5.2	1.713	2.595	13.5	21.6
8 29	0 7.97	− 0 56.7	1.649	2.596	9.7	21.4
9 8	0 0.79	− 2 0.0	1.608	2.597	5.4	21.1
9 18	23 52.42	− 3 9.3	1.594	2.598	1.1	20.8
9 28	23 43.87	− 4 17.0	1.608	2.599	4.1	21.1
10 8	23 36.17	− 5 15.9	1.648	2.600	8.5	21.3
10 18	23 30.17	− 6 0.4	1.714	2.600	12.4	21.6
10 28	23 26.47	− 6 27.3	1.801	2.600	15.7	21.8

339299 2004 XH_{69} 9 20.2 334.°12 4.°7/16.9 18

8 19	0 11.32	− 9 7.6	1.182	2.099	15.6	19.6
8 29	0 7.45	− 9 48.9	1.114	2.078	11.4	19.3
9 8	0 0.89	−10 34.7	1.067	2.059	6.9	19.0
9 18	23 52.49	−11 16.3	1.043	2.040	4.8	18.8
9 28	23 43.61	−11 44.1	1.042	2.023	8.0	19.0
10 8	23 35.75	−11 50.8	1.063	2.007	12.8	19.2
10 18	23 30.17	−11 33.1	1.104	1.993	17.5	19.4
10 28	23 27.71	−10 50.9	1.163	1.980	21.5	19.7

315928 2008 SP_{198} 9 20.2 306.°84 2.°2/24.7 18

8 19	0 4.48	+12 16.6	4.360	5.167	7.4	20.8
8 29	0 0.82	+12 10.2	4.272	5.163	5.8	20.7
9 8	23 56.44	+11 55.2	4.209	5.160	4.1	20.6
9 18	23 51.62	+11 32.4	4.175	5.157	2.6	20.4
9 28	23 46.70	+11 3.6	4.169	5.153	2.3	20.4
10 8	23 42.05	+10 30.9	4.193	5.150	3.5	20.5
10 18	23 37.99	+ 9 56.8	4.246	5.147	5.2	20.6
10 28	23 34.83	+ 9 24.0	4.326	5.144	6.9	20.7

40593 1999 RZ_{144} 9 20.2 80.°65 2.°8/22.8 18

8 19	0 14.52	+10 5.9	1.384	2.243	17.5	18.4
8 29	0 9.03	+ 9 17.9	1.338	2.266	13.2	18.2
9 8	0 1.38	+ 8 5.8	1.313	2.288	8.4	18.0
9 18	23 52.53	+ 6 35.4	1.313	2.311	3.8	17.8
9 28	23 43.69	+ 4 55.9	1.338	2.333	3.9	17.8
10 8	23 36.08	+ 3 18.3	1.391	2.355	8.3	18.2
10 18	23 30.58	+ 1 52.1	1.467	2.377	12.5	18.5
10 28	23 27.72	+ 0 44.0	1.566	2.398	16.1	18.7

224301 2005 TN_{184} 9 20.2 104.°23 0.°8/19.6 16

8 19	0 17.68	− 1 37.8	1.593	2.475	14.4	20.8
8 29	0 11.15	− 1 59.1	1.541	2.488	10.3	20.6
9 8	0 2.55	− 2 29.4	1.511	2.500	5.7	20.3
9 18	23 52.75	− 3 3.8	1.507	2.511	1.1	20.1
9 28	23 42.89	− 3 36.2	1.531	2.523	4.2	20.3
10 8	23 34.12	− 4 0.7	1.582	2.534	8.7	20.6
10 18	23 27.32	− 4 13.6	1.657	2.545	12.6	20.9
10 28	23 23.06	− 4 12.6	1.754	2.556	15.9	21.1

245356 2005 EY_{265} 9 20.2 109.°15 1.°4/21.7 18

8 19	0 11.50	+ 5 49.9	1.922	2.783	13.2	20.4
8 29	0 6.55	+ 5 14.3	1.857	2.789	9.8	20.2
9 8	23 59.92	+ 4 23.7	1.816	2.796	5.9	20.0
9 18	23 52.29	+ 3 22.1	1.800	2.802	2.1	19.8
9 28	23 44.51	+ 2 15.3	1.813	2.808	3.0	19.8
10 8	23 37.49	+ 1 10.1	1.854	2.814	6.9	20.1
10 18	23 31.97	+ 0 12.7	1.921	2.820	10.6	20.3
10 28	23 28.49	− 0 32.2	2.011	2.826	13.7	20.6

202179 2004 XU_{11} 9 20.2 278.°39 0.°8/21.1 18

8 19	0 10.43	+ 5 40.7	1.814	2.680	13.6	19.9
8 29	0 6.11	+ 4 41.1	1.722	2.658	10.2	19.7
9 8	23 59.87	+ 3 22.1	1.653	2.636	6.1	19.4
9 18	23 52.31	+ 1 48.2	1.610	2.613	1.7	19.0
9 28	23 44.33	+ 0 6.9	1.595	2.590	3.4	19.1
10 8	23 36.93	− 1 32.5	1.608	2.567	7.9	19.3
10 18	23 31.03	− 3 1.3	1.647	2.543	12.2	19.5
10 28	23 27.33	− 4 13.0	1.708	2.519	15.9	19.7

322751 2001 BM 9 20.2 196.°76 4.°4/25.5 17

8 19	0 14.21	+15 44.4	2.815	3.603	11.4	21.1
8 29	0 8.18	+16 7.3	2.727	3.600	9.3	21.0
9 8	0 0.77	+16 15.9	2.663	3.597	7.0	20.8
9 18	23 52.46	+16 10.0	2.626	3.594	5.0	20.7
9 28	23 43.91	+15 51.2	2.617	3.590	4.5	20.7
10 8	23 35.83	+15 22.4	2.638	3.586	5.9	20.7
10 18	23 28.85	+14 47.9	2.687	3.581	8.1	20.9
10 28	23 23.48	+14 12.3	2.761	3.577	10.4	21.0

277464 2005 VO_{33} 9 20.2 227°.06 0°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.29	− 0 23.4	2.289	3.158	11.0	20.6
8 29	0 7.66	− 0 37.8	2.213	3.154	8.0	20.4
9 8	0 0.51	− 0 59.7	2.163	3.149	4.5	20.2
9 18	23 52.41	− 1 26.0	2.140	3.144	0.8	19.9
9 28	23 44.11	− 1 52.8	2.147	3.139	3.0	20.0
10 8	23 36.43	− 2 15.9	2.182	3.134	6.6	20.3
10 18	23 30.04	− 2 31.8	2.244	3.129	9.9	20.5
10 28	23 25.47	− 2 37.9	2.329	3.123	12.7	20.7

363425 2003 RF_{24} 9 20.2 13°.89 2°.2/22.5 18

8 19	0 9.11	+ 7 15.6	1.803	2.666	13.9	20.1
8 29	0 4.95	+ 6 57.6	1.739	2.670	10.4	19.9
9 8	23 59.07	+ 6 23.3	1.697	2.674	6.6	19.7
9 18	23 52.14	+ 5 35.8	1.680	2.679	2.9	19.5
9 28	23 45.05	+ 4 40.5	1.690	2.685	3.3	19.5
10 8	23 38.72	+ 3 44.0	1.727	2.691	7.0	19.8
10 18	23 33.90	+ 2 52.6	1.789	2.698	10.7	20.0
10 28	23 31.16	+ 2 11.6	1.874	2.705	13.9	20.2

398289 2010 VU_{16} 9 20.2 33°.61 3°.7/23.8 15

8 19	0 10.78	+10 42.8	1.675	2.525	15.4	20.5
8 29	0 6.21	+10 36.6	1.618	2.537	11.9	20.3
9 8	23 59.79	+10 10.5	1.582	2.550	8.0	20.1
9 18	23 52.27	+ 9 27.1	1.571	2.563	4.5	19.9
9 28	23 44.64	+ 8 31.3	1.585	2.577	4.1	19.9
10 8	23 37.89	+ 7 30.6	1.627	2.591	7.3	20.2
10 18	23 32.84	+ 6 32.1	1.693	2.606	10.9	20.4
10 28	23 30.02	+ 5 42.3	1.782	2.621	14.1	20.6

514757 2007 EJ_{50} 9 20.2 101°.36 0°.1/20.3 18

8 19	0 9.40	+ 2 35.8	2.432	3.297	10.7	22.2
8 29	0 4.70	+ 1 41.8	2.374	3.312	7.7	22.0
9 8	23 58.75	+ 0 37.8	2.342	3.327	4.3	21.8
9 18	23 52.08	− 0 31.8	2.338	3.342	0.8	21.6
9 28	23 45.35	− 1 41.7	2.363	3.357	2.7	21.8
10 8	23 39.24	− 2 46.6	2.418	3.371	6.0	22.0
10 18	23 34.29	− 3 42.0	2.500	3.385	9.0	22.2
10 28	23 30.94	− 4 24.9	2.606	3.399	11.5	22.4

397323 2006 SQ_{410} 9 20.2 340°.10 2°.5/22.8 18

8 19	0 11.38	+ 8 15.3	1.877	2.730	13.8	21.5
8 29	0 6.58	+ 8 0.0	1.804	2.729	10.5	21.3
9 8	0 0.02	+ 7 28.0	1.754	2.727	6.8	21.1
9 18	23 52.33	+ 6 41.8	1.729	2.726	3.3	20.9
9 28	23 44.42	+ 5 46.2	1.732	2.725	3.4	20.9
10 8	23 37.23	+ 4 47.9	1.761	2.724	7.0	21.1
10 18	23 31.55	+ 3 53.3	1.817	2.724	10.7	21.3
10 28	23 28.00	+ 3 8.0	1.896	2.723	13.9	21.6

243579 1997 NC_{6} 9 20.2 62°.49 2°.9/22.4 17

8 19	0 16.14	+ 7 47.5	1.147	2.024	19.1	20.5
8 29	0 10.55	+ 7 30.9	1.105	2.042	14.4	20.3
9 8	0 2.39	+ 6 50.5	1.082	2.061	9.0	20.0
9 18	23 52.76	+ 5 51.1	1.081	2.081	3.9	19.8
9 28	23 43.12	+ 4 41.4	1.105	2.100	4.4	19.9
10 8	23 34.94	+ 3 32.2	1.153	2.120	9.3	20.3
10 18	23 29.23	+ 2 32.7	1.224	2.139	14.0	20.6
10 28	23 26.60	+ 1 49.6	1.315	2.159	17.9	20.9

494438 2016 US_{93} 9 20.2 263°.41 4°.8/25.8 18

8 19	0 10.20	+16 54.1	1.992	2.801	14.8	21.6
8 29	0 5.81	+16 23.2	1.898	2.787	12.0	21.3
9 8	23 59.65	+15 27.7	1.826	2.772	8.8	21.1
9 18	23 52.28	+14 8.7	1.778	2.758	5.8	20.9
9 28	23 44.58	+12 30.8	1.758	2.742	4.9	20.8
10 8	23 37.48	+10 41.6	1.766	2.727	7.1	20.9
10 18	23 31.80	+ 8 50.5	1.800	2.711	10.5	21.1
10 28	23 28.21	+ 7 6.5	1.859	2.696	13.8	21.3

19942 1981 EV_{24} 9 20.2 271°.05 0°.1/20.2 18

8 19	0 13.89	+ 0 49.1	1.771	2.648	13.4	19.4
8 29	0 8.57	+ 0 25.4	1.691	2.635	9.8	19.2
9 8	0 1.24	− 0 10.0	1.635	2.622	5.6	18.9
9 18	23 52.59	− 0 53.0	1.604	2.608	1.0	18.6
9 28	23 43.57	− 1 37.9	1.601	2.594	3.6	18.7
10 8	23 35.27	− 2 18.3	1.624	2.580	8.1	19.0
10 18	23 28.60	− 2 48.9	1.673	2.566	12.2	19.2
10 28	23 24.26	− 3 5.8	1.744	2.552	15.7	19.4

28349 1999 FB_{26} 9 20.2 280°.95 0°.8/20.9 18

8 19	0 14.65	+ 1 54.8	1.971	2.838	12.7	17.9
8 29	0 8.97	+ 1 53.0	1.886	2.823	9.3	17.7
9 8	0 1.42	+ 1 41.0	1.825	2.808	5.5	17.4
9 18	23 52.62	+ 1 21.4	1.790	2.793	1.5	17.1
9 28	23 43.47	+ 0 58.1	1.784	2.778	3.2	17.2
10 8	23 34.95	+ 0 36.0	1.806	2.763	7.3	17.4
10 18	23 27.93	+ 0 19.5	1.853	2.748	11.1	17.6
10 28	23 23.05	+ 0 12.2	1.923	2.733	14.4	17.8

382978 2005 BW_{2} 9 20.2 151°.09 3°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.19	+13 9.1	2.358	3.169	12.7	21.2
8 29	0 9.00	+13 15.8	2.285	3.177	10.1	21.1
9 8	0 1.26	+13 6.4	2.235	3.186	7.2	20.9
9 18	23 52.57	+12 41.9	2.212	3.194	4.6	20.7
9 28	23 43.72	+12 5.1	2.217	3.201	4.1	20.7
10 8	23 35.53	+11 20.5	2.252	3.207	6.2	20.9
10 18	23 28.68	+10 33.4	2.314	3.213	9.0	21.1
10 28	23 23.72	+ 9 49.2	2.401	3.219	11.6	21.3

66167 1998 VG_{28} 9 20.2 338°.05 7°.0/27.9 18

8 19	0 7.89	+20 28.9	1.852	2.649	16.2	17.8
8 29	0 4.29	+20 39.4	1.766	2.637	13.6	17.6
9 8	23 58.85	+20 24.5	1.700	2.626	10.7	17.4
9 18	23 52.16	+19 43.2	1.656	2.616	8.2	17.3
9 28	23 45.13	+18 37.9	1.637	2.606	7.0	17.2
10 8	23 38.73	+17 15.0	1.643	2.597	8.2	17.2
10 18	23 33.85	+15 42.8	1.674	2.589	10.9	17.4
10 28	23 31.16	+14 11.0	1.729	2.581	13.9	17.5

478243 2011 UW_{350} 9 20.2 142°.09 1°.6/22.1 18

8 19	0 11.72	+ 6 41.2	2.178	3.029	12.3	21.5
8 29	0 6.57	+ 6 12.0	2.109	3.035	9.2	21.3
9 8	23 59.91	+ 5 29.0	2.065	3.041	5.7	21.1
9 18	23 52.34	+ 4 35.3	2.047	3.047	2.3	20.9
9 28	23 44.63	+ 3 35.8	2.058	3.052	2.8	21.0
10 8	23 37.59	+ 2 36.4	2.098	3.058	6.3	21.2
10 18	23 31.88	+ 1 42.4	2.164	3.062	9.6	21.4
10 28	23 28.03	+ 0 58.3	2.255	3.067	12.5	21.6

374899 2006 WO_{117} 9 20.2 330°.35 1°.0/20.8 18

8 19	0 13.00	+ 0 54.2	1.068	1.972	18.1	20.7
8 29	0 9.02	+ 1 10.1	0.994	1.950	13.5	20.3
9 8	0 2.02	+ 1 11.8	0.939	1.929	8.0	20.0
9 18	23 52.81	+ 1 2.2	0.906	1.910	2.0	19.5
9 28	23 42.87	+ 0 47.1	0.895	1.891	4.8	19.7
10 8	23 33.93	+ 0 34.1	0.907	1.874	10.9	19.9
10 18	23 27.49	+ 0 30.0	0.938	1.859	16.6	20.2
10 28	23 24.57	+ 0 40.3	0.988	1.845	21.5	20.4

53436 1999 VB_{154} 9 20.2 312°.00 4°.1/11.6 18

8 19	0 5.14	−21 19.3	4.139	5.022	6.2	18.5
8 29	0 1.35	−22 10.7	4.090	5.021	4.9	18.4
9 8	23 56.78	−22 58.0	4.068	5.021	4.1	18.3
9 18	23 51.76	−23 37.9	4.074	5.020	4.3	18.3
9 28	23 46.67	−24 7.8	4.108	5.019	5.2	18.4
10 8	23 41.91	−24 25.9	4.168	5.019	6.6	18.5
10 18	23 37.84	−24 31.5	4.254	5.018	7.9	18.6
10 28	23 34.75	−24 24.7	4.360	5.017	9.1	18.7

478945 2012 XK_{45} 9 20.2 296°.65 8°.5/12.2 18

8 19	0 15.10	−20 57.9	1.656	2.554	13.0	21.1
8 29	0 9.63	−22 14.4	1.594	2.536	10.4	20.9
9 8	0 1.91	−23 23.4	1.555	2.517	8.7	20.8
9 18	23 52.74	−24 15.4	1.541	2.499	8.9	20.7
9 28	23 43.26	−24 42.3	1.552	2.481	10.9	20.8
10 8	23 34.70	−24 39.9	1.586	2.463	13.9	21.0
10 18	23 28.06	−24 8.5	1.640	2.446	16.8	21.1
10 28	23 24.04	−23 10.8	1.712	2.428	19.4	21.3

45703 2000 FH_{19} 9 20.2 327°.35 7°.0/13.7 18

8 19	0 7.62	−12 5.7	1.259	2.181	14.5	17.6
8 29	0 4.82	−13 44.2	1.182	2.146	10.8	17.3
9 8	23 59.49	−15 29.4	1.126	2.113	7.7	17.0
9 18	23 52.33	−17 9.2	1.094	2.080	7.4	16.9
9 28	23 44.54	−18 30.1	1.085	2.048	10.6	17.0
10 8	23 37.53	−19 21.5	1.097	2.017	15.0	17.2
10 18	23 32.57	−19 38.0	1.128	1.988	19.4	17.3
10 28	23 30.59	−19 19.3	1.176	1.960	23.2	17.5

72387 2001 CF_{13} 9 20.2 282°.43 4°.1/16.6 18

8 19	0 13.09	− 6 56.4	1.394	2.299	14.5	19.1
8 29	0 8.31	− 8 16.1	1.334	2.293	10.4	18.9
9 8	0 1.21	− 9 43.5	1.297	2.287	6.2	18.6
9 18	23 52.61	−11 9.1	1.284	2.281	4.2	18.5
9 28	23 43.74	−12 22.2	1.297	2.275	7.3	18.7
10 8	23 35.86	−13 14.6	1.335	2.269	11.7	18.9
10 18	23 30.01	−13 41.8	1.394	2.263	15.8	19.2
10 28	23 26.89	−13 43.0	1.472	2.257	19.2	19.4

453514 2009 UD_{120} 9 20.2 307°.94 0°.2/20.1 17

8 19	0 9.60	+ 0 48.2	2.056	2.933	11.8	21.7
8 29	0 5.26	+ 0 14.4	1.973	2.917	8.6	21.5
9 8	23 59.30	− 0 30.2	1.913	2.901	4.9	21.2
9 18	23 52.25	− 1 21.6	1.880	2.885	0.9	20.9
9 28	23 44.92	− 2 14.5	1.875	2.869	3.3	21.1
10 8	23 38.16	− 3 2.9	1.898	2.853	7.2	21.3
10 18	23 32.71	− 3 41.9	1.946	2.837	10.9	21.5
10 28	23 29.17	− 4 7.7	2.017	2.822	14.0	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13885 2104 T-1			9 20.2 116°.71		0°.7/19.6 18	R
	h m	° ′			°	m
8 19	0 16.46	− 0 28.3	1.657	2.537	14.0	19.0
8 29	0 10.25	− 1 4.7	1.604	2.550	10.1	18.8
9 8	0 2.07	− 1 51.5	1.575	2.563	5.6	18.6
9 18	23 52.76	− 2 43.2	1.571	2.576	1.0	18.3
9 28	23 43.38	− 3 33.2	1.596	2.588	4.0	18.5
10 8	23 35.02	− 4 14.8	1.647	2.600	8.4	18.8
10 18	23 28.52	− 4 43.7	1.724	2.611	12.3	19.1
10 28	23 24.44	− 4 57.1	1.822	2.622	15.5	19.3
349797 2009 BK_{82}			9 20.2 255°.30		4°.3/15.8 18	
8 19	0 14.29	−11 32.8	2.057	2.948	11.2	21.7
8 29	0 8.66	−12 30.5	1.981	2.931	8.1	21.5
9 8	0 1.23	−13 29.4	1.930	2.913	5.3	21.3
9 18	23 52.62	−14 23.4	1.907	2.895	4.4	21.2
9 28	23 43.73	−15 5.6	1.911	2.876	6.6	21.3
10 8	23 35.47	−15 31.4	1.942	2.857	9.8	21.5
10 18	23 28.69	−15 38.2	1.998	2.838	12.9	21.6
10 28	23 24.00	−15 25.6	2.075	2.818	15.7	21.8
250724 2005 SJ_{40}			9 20.2 135°.14		0°.2/20.4 18	
8 19	0 10.54	+ 2 9.5	2.111	2.982	11.8	21.0
8 29	0 5.79	+ 1 31.0	2.043	2.983	8.6	20.8
9 8	23 59.51	+ 0 41.3	1.999	2.984	4.9	20.6
9 18	23 52.29	− 0 15.3	1.981	2.985	1.0	20.3
9 28	23 44.92	− 1 13.5	1.993	2.986	3.0	20.5
10 8	23 38.20	− 2 7.4	2.032	2.987	6.8	20.7
10 18	23 32.82	− 2 52.3	2.098	2.989	10.2	20.9
10 28	23 29.29	− 3 24.4	2.186	2.989	13.1	21.1
218908 2007 ET_{161}			9 20.2 57°.55		2°.1/17.7 18	
8 19	0 9.06	− 3 27.8	1.965	2.856	11.6	20.5
8 29	0 4.73	− 4 44.9	1.914	2.867	8.2	20.3
9 8	23 58.89	− 6 9.4	1.888	2.879	4.5	20.1
9 18	23 52.17	− 7 34.5	1.889	2.890	2.1	19.9
9 28	23 45.38	− 8 52.8	1.919	2.902	4.7	20.1
10 8	23 39.33	− 9 58.1	1.976	2.914	8.2	20.4
10 18	23 34.68	−10 46.2	2.058	2.927	11.4	20.6
10 28	23 31.91	−11 15.2	2.162	2.939	14.1	20.8
137368 1999 TE_{124}			9 20.2 356°.94		4°.1/17.6 18	
8 19	0 11.08	− 6 50.1	0.983	1.907	17.4	18.9
8 29	0 7.44	− 7 33.2	0.934	1.901	12.5	18.6
9 8	0 0.93	− 8 23.6	0.904	1.897	7.2	18.3
9 18	23 52.59	− 9 11.8	0.894	1.895	4.1	18.1
9 28	23 43.98	− 9 47.0	0.908	1.894	7.7	18.3
10 8	23 36.73	−10 1.2	0.942	1.895	12.9	18.6
10 18	23 32.06	− 9 50.9	0.996	1.897	17.8	18.9
10 28	23 30.69	− 9 16.2	1.066	1.900	21.9	19.2
211027 2002 AX_{108}			9 20.2 261°.04		4°.3/16.7 18	
8 19	0 14.97	− 7 33.3	1.379	2.283	14.8	20.2
8 29	0 9.75	− 8 45.1	1.316	2.274	10.6	20.0
9 8	0 2.08	−10 4.0	1.275	2.264	6.3	19.7
9 18	23 52.81	−11 20.5	1.258	2.255	4.3	19.5
9 28	23 43.19	−12 24.5	1.268	2.245	7.4	19.7
10 8	23 34.59	−13 7.7	1.301	2.236	11.9	19.9
10 18	23 28.10	−13 26.1	1.357	2.226	16.1	20.2
10 28	23 24.46	−13 19.1	1.431	2.216	19.7	20.4
336892 2011 GS_{62}			9 20.2 224°.00		3°.7/23.8 18	
8 19	0 13.86	+11 16.9	1.790	2.629	15.0	20.7
8 29	0 8.55	+11 7.5	1.711	2.624	11.7	20.5
9 8	0 1.26	+10 38.0	1.653	2.618	8.0	20.2
9 18	23 52.65	+ 9 50.0	1.620	2.612	4.6	20.0
9 28	23 43.71	+ 8 48.0	1.615	2.605	4.2	20.0
10 8	23 35.52	+ 7 39.2	1.636	2.599	7.5	20.2
10 18	23 28.98	+ 6 31.4	1.684	2.592	11.3	20.4
10 28	23 24.77	+ 5 31.8	1.754	2.584	14.7	20.6
124324 2001 QR_{96}			9 20.2 354°.08		2°.3/21.4 18	
8 19	0 10.42	+ 2 8.8	0.797	1.716	20.8	18.5
8 29	0 7.51	+ 2 46.8	0.744	1.707	15.6	18.2
9 8	0 1.25	+ 3 6.6	0.708	1.699	9.5	17.8
9 18	23 52.69	+ 3 10.3	0.691	1.694	3.4	17.5
9 28	23 43.61	+ 3 3.7	0.693	1.691	5.2	17.6
10 8	23 36.00	+ 2 55.2	0.715	1.690	11.6	17.9
10 18	23 31.38	+ 2 52.9	0.756	1.691	17.5	18.3
10 28	23 30.64	+ 3 3.4	0.812	1.695	22.4	18.6
247151 2000 XR_{44}			9 20.2 16°.06		4°.5/15.9 18	
8 19	0 11.45	−11 12.0	1.779	2.681	12.1	20.3
8 29	0 6.63	−12 8.4	1.728	2.684	8.7	20.1
9 8	0 0.04	−13 5.3	1.701	2.687	5.6	20.0
9 18	23 52.41	−13 55.5	1.700	2.690	4.6	19.9
9 28	23 44.67	−14 32.7	1.726	2.694	6.8	20.0
10 8	23 37.80	−14 52.1	1.777	2.699	10.1	20.3
10 18	23 32.55	−14 52.0	1.851	2.704	13.2	20.5
10 28	23 29.46	−14 32.6	1.945	2.709	15.9	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
153257 2001 BK_{59}			9 20.2 232°.63		5°.3/26.2 18	
	h m	° ′			°	m
8 19	0 12.98	+17 10.3	2.415	3.205	13.0	19.8
8 29	0 7.55	+17 33.5	2.329	3.201	10.7	19.6
9 8	0 0.55	+17 39.4	2.265	3.197	8.2	19.5
9 18	23 52.52	+17 27.5	2.227	3.192	6.0	19.3
9 28	23 44.21	+16 59.6	2.216	3.187	5.3	19.3
10 8	23 36.44	+16 19.4	2.234	3.183	6.7	19.4
10 18	23 29.92	+15 32.3	2.278	3.178	9.1	19.5
10 28	23 25.22	+14 44.0	2.346	3.173	11.6	19.7
91827 1999 TK_{282}			9 20.2 46°.09		0°.4/19.9 18	
8 19	0 10.78	+ 0 21.1	1.875	2.756	12.6	19.2
8 29	0 6.03	− 0 16.8	1.821	2.767	9.0	19.0
9 8	23 59.66	− 1 4.9	1.790	2.778	5.0	18.8
9 18	23 52.34	− 1 58.2	1.785	2.789	0.9	18.5
9 28	23 44.94	− 2 50.8	1.808	2.801	3.5	18.8
10 8	23 38.33	− 3 36.7	1.859	2.813	7.4	19.0
10 18	23 33.23	− 4 11.5	1.934	2.825	11.0	19.3
10 28	23 30.14	− 4 32.1	2.032	2.838	13.9	19.5
84549 2002 UJ_{33}			9 20.2 209°.45		3°.7/24.4 18	
8 19	0 11.76	+12 41.9	2.200	3.024	13.1	20.1
8 29	0 6.72	+12 30.3	2.119	3.020	10.3	19.9
9 8	0 0.09	+12 1.0	2.059	3.017	7.2	19.7
9 18	23 52.44	+11 15.6	2.026	3.013	4.4	19.5
9 28	23 44.55	+10 17.5	2.021	3.009	3.9	19.5
10 8	23 37.26	+ 9 12.6	2.044	3.004	6.4	19.6
10 18	23 31.30	+ 8 7.2	2.094	2.999	9.5	19.8
10 28	23 27.22	+ 7 7.3	2.168	2.994	12.4	20.0
439857 1998 YJ_{13}			9 20.2 293°.51		5°.6/14.3 18	
8 19	0 11.57	−13 22.7	1.792	2.694	12.0	20.8
8 29	0 6.90	−14 42.4	1.725	2.679	8.9	20.6
9 8	0 0.32	−16 2.8	1.683	2.664	6.2	20.4
9 18	23 52.49	−17 15.4	1.666	2.648	5.8	20.4
9 28	23 44.38	−18 12.0	1.676	2.633	8.2	20.5
10 8	23 37.00	−18 46.9	1.712	2.618	11.4	20.7
10 18	23 31.23	−18 57.6	1.769	2.603	14.6	20.8
10 28	23 27.71	−18 44.2	1.845	2.588	17.4	21.0
480912 2002 TV_{221}			9 20.2 4°.22		12°.1/ 1.2 18	
8 19	0 5.49	+24 2.9	1.107	1.930	23.3	18.7
8 29	0 3.42	+25 13.9	1.051	1.928	20.2	18.4
9 8	23 58.71	+25 46.4	1.009	1.929	16.9	18.2
9 18	23 52.22	+25 35.9	0.985	1.932	13.9	18.1
9 28	23 45.32	+24 43.0	0.980	1.938	12.2	18.0
10 8	23 39.54	+23 16.5	0.994	1.946	12.6	18.1
10 18	23 36.12	+21 29.7	1.029	1.956	14.9	18.2
10 28	23 35.83	+19 38.5	1.084	1.968	17.9	18.5
154871 2004 RZ_{105}			9 20.2 38°.14		0°.3/20.0 18	
8 19	0 18.98	− 2 36.0	2.028	2.899	12.2	19.5
8 29	0 11.85	− 2 17.4	1.962	2.903	8.8	19.3
9 8	0 2.94	− 2 3.9	1.921	2.908	5.0	19.1
9 18	23 52.96	− 1 53.1	1.908	2.912	0.9	18.8
9 28	23 42.85	− 1 42.0	1.924	2.917	3.3	19.0
10 8	23 33.57	− 1 27.9	1.969	2.922	7.2	19.2
10 18	23 25.92	− 1 8.6	2.041	2.927	10.7	19.5
10 28	23 20.46	− 0 42.2	2.137	2.932	13.7	19.7
217337 2004 RB_{140}			9 20.2 2°.64		3°.5/16.9 18	
8 19	0 7.76	− 6 28.3	1.456	2.366	13.7	19.7
8 29	0 4.30	− 7 31.7	1.403	2.365	9.7	19.4
9 8	23 58.87	− 8 41.5	1.373	2.365	5.6	19.2
9 18	23 52.22	− 9 49.6	1.367	2.366	3.5	19.1
9 28	23 45.40	−10 47.2	1.386	2.368	6.4	19.3
10 8	23 39.50	−11 27.4	1.430	2.372	10.5	19.5
10 18	23 35.38	−11 46.4	1.497	2.376	14.3	19.8
10 28	23 33.62	−11 43.1	1.582	2.382	17.5	20.0
9114 Hatakeyama			9 20.3 252°.16		2°.6/17.9 18	
8 19	0 14.26	− 4 23.8	1.579	2.472	13.8	18.2
8 29	0 9.01	− 5 23.6	1.508	2.462	9.9	18.0
9 8	0 1.59	− 6 32.8	1.461	2.451	5.6	17.7
9 18	23 52.74	− 7 44.2	1.439	2.440	2.6	17.5
9 28	23 43.56	− 8 49.0	1.445	2.429	5.7	17.7
10 8	23 35.22	− 9 39.6	1.476	2.418	10.1	17.9
10 18	23 28.72	−10 10.9	1.531	2.406	14.2	18.1
10 28	23 24.76	−10 20.8	1.606	2.394	17.7	18.4
99058 2001 ET_{23}			9 20.3 152°.34		0°.4/20.7 18	
8 19	0 12.91	+ 2 47.4	2.115	2.979	12.0	20.9
8 29	0 7.47	+ 2 10.4	2.049	2.985	8.8	20.7
9 8	0 0.46	+ 1 22.0	2.007	2.991	5.1	20.5
9 18	23 52.51	+ 0 26.3	1.993	2.997	1.1	20.2
9 28	23 44.43	− 0 31.5	2.008	3.002	3.0	20.4
10 8	23 37.06	− 1 25.4	2.051	3.007	6.8	20.7
10 18	23 31.08	− 2 10.6	2.121	3.011	10.2	20.9
10 28	23 27.02	− 2 43.6	2.214	3.015	13.1	21.1

171662 2000 JF_{30} 9 20.3 194°.94 4°.2/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.85	+16 27.0	2.598	3.390	12.2	21.2
8 29	0 6.60	+16 13.8	2.510	3.388	9.8	21.0
9 8	23 59.96	+15 42.9	2.445	3.385	7.3	20.8
9 18	23 52.43	+14 55.4	2.407	3.381	5.0	20.7
9 28	23 44.69	+13 54.1	2.397	3.376	4.3	20.6
10 8	23 37.48	+12 44.0	2.416	3.371	5.9	20.7
10 18	23 31.41	+11 30.8	2.464	3.366	8.4	20.9
10 28	23 27.01	+10 20.5	2.537	3.360	10.9	21.0

304230 2006 QG_{184} 9 20.3 224°.16 0°.9/19.3 18

8 19	0 11.92	− 1 15.2	1.952	2.833	12.2	21.3
8 29	0 6.90	− 1 55.8	1.885	2.832	8.7	21.1
9 8	0 0.21	− 2 45.4	1.842	2.831	4.8	20.9
9 18	23 52.48	− 3 39.2	1.826	2.830	1.1	20.6
9 28	23 44.56	− 4 31.3	1.838	2.829	3.8	20.8
10 8	23 37.37	− 5 15.8	1.878	2.828	7.7	21.1
10 18	23 31.64	− 5 48.4	1.943	2.826	11.3	21.3
10 28	23 27.94	− 6 6.2	2.030	2.825	14.3	21.5

463715 2014 QK_{205} 9 20.3 309°.17 5°.9/25.6 17

8 19	0 16.33	+16 3.4	2.240	3.037	13.8	20.5
8 29	0 10.13	+16 55.4	2.154	3.029	11.3	20.3
9 8	0 2.12	+17 31.2	2.089	3.022	8.7	20.1
9 18	23 52.86	+17 49.3	2.050	3.015	6.5	20.0
9 28	23 43.21	+17 50.0	2.039	3.008	5.9	19.9
10 8	23 34.12	+17 36.4	2.055	3.001	7.5	20.0
10 18	23 26.41	+17 13.1	2.098	2.994	10.0	20.1
10 28	23 20.77	+16 46.2	2.165	2.987	12.6	20.3

479228 2013 CK_{189} 9 20.3 257°.61 3°.6/15.8 18

8 19	0 11.14	− 8 42.0	2.205	3.097	10.5	21.5
8 29	0 6.33	−10 3.2	2.126	3.078	7.6	21.3
9 8	23 59.91	−11 29.4	2.072	3.058	4.7	21.1
9 18	23 52.44	−12 53.8	2.046	3.038	3.7	21.0
9 28	23 44.67	−14 9.2	2.050	3.018	6.0	21.1
10 8	23 37.43	−15 9.6	2.081	2.997	9.1	21.3
10 18	23 31.47	−15 51.1	2.136	2.976	12.2	21.4
10 28	23 27.36	−16 12.2	2.213	2.954	14.9	21.6

392210 2009 SE_{354} 9 20.3 5°.98 2°.2/16.1 18

8 19	0 5.90	−11 43.9	4.145	5.030	6.2	21.2
8 29	0 1.87	−12 11.4	4.083	5.030	4.4	21.1
9 8	23 57.10	−12 38.4	4.048	5.030	2.8	20.9
9 18	23 51.89	−13 2.6	4.042	5.031	2.3	20.9
9 28	23 46.62	−13 21.5	4.066	5.031	3.4	21.0
10 8	23 41.67	−13 33.3	4.118	5.031	5.1	21.1
10 18	23 37.39	−13 36.7	4.197	5.032	6.8	21.2
10 28	23 34.05	−13 31.1	4.301	5.032	8.3	21.4

39259 2000 YJ_{136} 9 20.3 340°.65 4°.2/15.2 18

8 19	0 8.32	− 8 32.6	1.870	2.772	11.6	18.8
8 29	0 4.41	−10 13.2	1.811	2.768	8.2	18.6
9 8	23 58.84	−11 58.5	1.777	2.765	5.2	18.4
9 18	23 52.23	−13 40.3	1.771	2.762	4.3	18.3
9 28	23 45.44	−15 9.6	1.792	2.759	6.8	18.5
10 8	23 39.35	−16 19.5	1.840	2.757	10.1	18.7
10 18	23 34.71	−17 6.3	1.911	2.754	13.3	18.9
10 28	23 32.06	−17 29.0	2.002	2.752	15.9	19.1

133292 2003 SZ_{30} 9 20.3 263°.80 0°.7/21.2 18

8 19	0 7.89	+ 5 28.9	2.363	3.221	11.2	19.7
8 29	0 3.82	+ 4 28.7	2.285	3.217	8.2	19.5
9 8	23 58.40	+ 3 14.9	2.232	3.213	4.9	19.3
9 18	23 52.15	+ 1 51.5	2.207	3.209	1.4	19.0
9 28	23 45.72	+ 0 24.3	2.211	3.205	2.6	19.1
10 8	23 39.82	− 1 0.1	2.244	3.201	6.1	19.4
10 18	23 35.07	− 2 16.1	2.304	3.197	9.3	19.6
10 28	23 31.93	− 3 19.1	2.389	3.193	12.1	19.7

261313 2005 UV_{203} 9 20.3 100°.18 0°.9/19.2 18

8 19	0 11.31	− 1 44.1	2.126	3.005	11.4	20.9
8 29	0 6.34	− 2 20.8	2.060	3.007	8.1	20.7
9 8	23 59.85	− 3 5.1	2.019	3.008	4.5	20.5
9 18	23 52.43	− 3 52.9	2.005	3.009	1.1	20.3
9 28	23 44.86	− 4 38.6	2.020	3.010	3.5	20.5
10 8	23 37.96	− 5 17.4	2.062	3.011	7.2	20.7
10 18	23 32.40	− 5 45.3	2.131	3.012	10.5	20.9
10 28	23 28.70	− 5 59.9	2.222	3.014	13.3	21.1

86463 2000 CV_{57} 9 20.3 209°.59 2°.3/22.2 18

8 19	0 15.98	+ 6 25.1	1.678	2.536	14.9	19.8
8 29	0 10.15	+ 6 20.2	1.605	2.534	11.3	19.5
9 8	0 2.21	+ 5 59.0	1.554	2.531	7.1	19.3
9 18	23 52.89	+ 5 24.0	1.528	2.528	3.1	19.0
9 28	23 43.27	+ 4 40.0	1.530	2.524	3.6	19.1
10 8	23 34.49	+ 3 53.8	1.559	2.521	7.8	19.3
10 18	23 27.51	+ 3 11.8	1.613	2.517	11.9	19.6
10 28	23 23.02	+ 2 39.8	1.689	2.513	15.5	19.8

202167 2004 VQ_{59} 9 20.3 299°.82 2°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.51	− 5 37.1	1.562	2.458	13.8	19.8
8 29	0 9.35	− 6 11.0	1.482	2.436	10.0	19.5
9 8	0 1.90	− 6 52.0	1.424	2.414	5.7	19.2
9 18	23 52.86	− 7 34.0	1.392	2.393	2.6	19.0
9 28	23 43.34	− 8 9.8	1.386	2.372	5.6	19.1
10 8	23 34.59	− 8 32.8	1.405	2.350	10.2	19.3
10 18	23 27.69	− 8 38.8	1.448	2.330	14.5	19.6
10 28	23 23.41	− 8 25.8	1.511	2.309	18.2	19.8

521754 2015 RT_{274} 9 20.3 278°.13 0°.9/19.3 18

8 19	0 11.94	− 2 3.5	2.194	3.072	11.1	21.5
8 29	0 6.87	− 2 31.1	2.113	3.058	8.0	21.3
9 8	0 0.21	− 3 6.2	2.056	3.044	4.5	21.1
9 18	23 52.51	− 3 44.8	2.026	3.030	1.0	20.8
9 28	23 44.56	− 4 22.2	2.026	3.016	3.5	21.0
10 8	23 37.17	− 4 53.5	2.053	3.002	7.2	21.2
10 18	23 31.08	− 5 15.0	2.106	2.988	10.6	21.4
10 28	23 26.85	− 5 24.1	2.182	2.974	13.5	21.5

404818 2014 JW_{70} 9 20.3 19°.04 0°.6/19.7 18

8 19	0 11.99	− 0 42.2	1.725	2.611	13.3	20.4
8 29	0 7.10	− 1 10.6	1.665	2.613	9.5	20.2
9 8	0 0.38	− 1 49.0	1.628	2.617	5.3	20.0
9 18	23 52.54	− 2 32.5	1.616	2.620	1.0	19.7
9 28	23 44.54	− 3 15.0	1.632	2.624	3.8	19.9
10 8	23 37.38	− 3 50.5	1.674	2.628	8.1	20.2
10 18	23 31.87	− 4 14.7	1.741	2.633	11.9	20.4
10 28	23 28.57	− 4 24.5	1.829	2.638	15.1	20.7

452265 2015 TG_{139} 9 20.3 354°.41 5°.3/14.4 17

8 19	0 8.33	−12 2.5	1.716	2.625	12.1	20.7
8 29	0 4.54	−13 28.6	1.663	2.621	8.8	20.5
9 8	23 58.96	−14 55.7	1.634	2.618	6.0	20.3
9 18	23 52.28	−16 15.0	1.630	2.615	5.5	20.3
9 28	23 45.43	−17 18.4	1.653	2.613	7.9	20.4
10 8	23 39.37	−18 0.0	1.700	2.612	11.1	20.6
10 18	23 34.90	−18 17.3	1.770	2.612	14.2	20.8
10 28	23 32.57	−18 10.7	1.859	2.612	16.9	21.0

454527 2014 OM_{263} 9 20.3 288°.13 5°.5/13.6 18

8 19	0 10.81	−16 8.5	2.207	3.103	10.3	20.8
8 29	0 5.99	−17 19.8	2.152	3.100	7.8	20.7
9 8	23 59.65	−18 28.1	2.123	3.097	5.8	20.6
9 18	23 52.40	−19 26.8	2.121	3.094	5.7	20.5
9 28	23 45.02	−20 10.2	2.146	3.090	7.5	20.6
10 8	23 38.31	−20 34.4	2.197	3.087	10.0	20.8
10 18	23 32.94	−20 38.2	2.272	3.084	12.5	21.0
10 28	23 29.43	−20 22.1	2.366	3.081	14.7	21.1

423874 2006 RZ_{45} 9 20.3 3°.58 2°.4/18.9 18

8 19	0 9.21	− 4 26.0	0.824	1.754	19.1	19.8
8 29	0 6.38	− 4 36.9	0.781	1.751	13.7	19.5
9 8	0 0.46	− 4 58.0	0.755	1.751	7.7	19.2
9 18	23 52.59	− 5 21.6	0.749	1.753	2.5	18.9
9 28	23 44.49	− 5 38.0	0.763	1.757	6.5	19.1
10 8	23 37.92	− 5 39.3	0.798	1.763	12.5	19.5
10 18	23 34.15	− 5 21.5	0.851	1.772	17.8	19.8
10 28	23 33.86	− 4 43.5	0.920	1.783	22.2	20.1

517133 2013 HB_{118} 9 20.3 169°.00 1°.2/21.8 18

8 19	0 9.48	+ 6 15.9	2.298	3.151	11.6	22.1
8 29	0 4.97	+ 5 31.5	2.224	3.153	8.6	21.9
9 8	23 59.07	+ 4 33.5	2.175	3.154	5.2	21.7
9 18	23 52.31	+ 3 25.4	2.153	3.155	1.9	21.5
9 28	23 45.39	+ 2 12.5	2.161	3.155	2.6	21.5
10 8	23 39.05	+ 1 0.9	2.197	3.156	6.1	21.8
10 18	23 33.92	− 0 4.0	2.260	3.156	9.3	22.0
10 28	23 30.50	− 0 57.6	2.347	3.157	12.1	22.2

170742 2004 BF_{106} 9 20.3 206°.36 1°.1/21.5 18

8 19	0 13.58	+ 4 15.2	2.513	3.363	10.8	20.6
8 29	0 7.85	+ 3 58.0	2.430	3.357	8.0	20.4
9 8	0 0.69	+ 3 30.5	2.372	3.351	4.8	20.2
9 18	23 52.61	+ 2 55.2	2.342	3.344	1.6	20.0
9 28	23 44.33	+ 2 15.6	2.343	3.337	2.6	20.0
10 8	23 36.57	+ 1 36.3	2.372	3.329	5.9	20.3
10 18	23 29.99	+ 1 1.3	2.430	3.320	9.0	20.4
10 28	23 25.10	+ 0 34.3	2.511	3.311	11.7	20.6

515416 2013 HS_{66} 9 20.3 27°.73 2°.3/22.6 18

8 19	0 10.76	+ 7 10.6	1.778	2.639	14.1	20.5
8 29	0 6.17	+ 7 1.1	1.719	2.649	10.6	20.3
9 8	23 59.84	+ 6 35.6	1.683	2.659	6.8	20.1
9 18	23 52.46	+ 5 57.2	1.671	2.669	3.1	19.9
9 28	23 44.96	+ 5 10.7	1.686	2.681	3.3	19.9
10 8	23 38.27	+ 4 22.6	1.728	2.692	7.0	20.2
10 18	23 33.16	+ 3 38.8	1.796	2.705	10.6	20.4
10 28	23 30.18	+ 3 4.4	1.886	2.717	13.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
22058 2000 AA_{64}			9 20.3 140°.99		1°.9/17.1 18	
	h m	° ′			°	m
8 19	0 7.03	− 7 29.7	3.354	4.237	7.5	18.7
8 29	0 2.83	− 8 14.5	3.292	4.241	5.3	18.6
9 8	23 57.71	− 9 1.2	3.257	4.245	3.1	18.4
9 18	23 52.05	− 9 46.7	3.252	4.248	1.9	18.3
9 28	23 46.31	−10 27.4	3.276	4.252	3.5	18.5
10 8	23 40.98	−11 0.3	3.329	4.256	5.7	18.6
10 18	23 36.46	−11 23.5	3.409	4.259	7.8	18.8
10 28	23 33.10	−11 35.6	3.512	4.262	9.7	18.9
161900 2007 DF_{47}			9 20.3 251°.41		0°.4/20.6 18	
8 19	0 14.32	+ 2 26.1	1.715	2.588	14.0	21.5
8 29	0 9.00	+ 1 54.7	1.635	2.576	10.3	21.3
9 8	0 1.60	+ 1 9.2	1.578	2.564	6.0	21.0
9 18	23 52.82	+ 0 13.7	1.547	2.551	1.3	20.7
9 28	23 43.67	− 0 45.3	1.544	2.538	3.6	20.8
10 8	23 35.25	− 1 40.5	1.567	2.525	8.2	21.1
10 18	23 28.52	− 2 25.5	1.616	2.511	12.5	21.3
10 28	23 24.19	− 2 55.8	1.686	2.497	16.1	21.5
173692 2001 PS_{20}			9 20.3 22°.74		6°.8/14.8 18	
8 19	0 14.01	−16 4.6	1.452	2.360	13.9	18.8
8 29	0 8.74	−17 1.1	1.414	2.367	10.4	18.6
9 8	0 1.34	−17 52.0	1.397	2.376	7.6	18.4
9 18	23 52.73	−18 28.8	1.405	2.385	7.0	18.4
9 28	23 44.13	−18 44.6	1.437	2.394	9.2	18.6
10 8	23 36.69	−18 36.2	1.493	2.405	12.4	18.8
10 18	23 31.31	−18 4.0	1.571	2.416	15.6	19.0
10 28	23 28.50	−17 10.7	1.667	2.428	18.3	19.3
443341 2014 GD_{10}			9 20.3 39°.85		7°.0/15.6 18	
8 19	0 20.01	−18 39.4	1.525	2.421	14.1	20.0
8 29	0 12.78	−19 5.1	1.494	2.439	10.7	19.9
9 8	0 3.47	−19 21.5	1.485	2.459	7.8	19.8
9 18	23 53.11	−19 21.9	1.502	2.478	7.1	19.8
9 28	23 42.97	−19 1.8	1.544	2.498	8.9	19.9
10 8	23 34.22	−18 20.6	1.611	2.519	11.9	20.2
10 18	23 27.69	−17 20.2	1.701	2.540	14.9	20.4
10 28	23 23.83	−16 4.1	1.811	2.562	17.4	20.6
355765 2008 RK_{37}			9 20.3 292°.66		0°.2/20.7 16	
8 19	0 3.80	+ 1 59.9	4.306	5.164	6.5	21.0
8 29	0 0.41	+ 1 31.2	4.224	5.157	4.7	20.9
9 8	23 56.31	+ 0 57.2	4.168	5.151	2.7	20.7
9 18	23 51.80	+ 0 19.7	4.141	5.144	0.6	20.6
9 28	23 47.19	− 0 19.0	4.144	5.138	1.6	20.6
10 8	23 42.84	− 0 56.4	4.178	5.132	3.7	20.8
10 18	23 39.08	− 1 30.1	4.239	5.125	5.6	20.9
10 28	23 36.17	− 1 58.1	4.327	5.119	7.3	21.1
353476 2011 ST_{35}			9 20.3 268°.23		0°.8/19.4 18	
8 19	0 11.89	− 0 56.2	1.919	2.801	12.3	21.1
8 29	0 6.96	− 1 36.3	1.850	2.797	8.8	20.9
9 8	0 0.30	− 2 26.0	1.804	2.793	4.9	20.6
9 18	23 52.57	− 3 20.6	1.785	2.789	1.0	20.3
9 28	23 44.62	− 4 13.9	1.794	2.785	3.8	20.5
10 8	23 37.38	− 4 59.8	1.830	2.781	7.8	20.8
10 18	23 31.62	− 5 33.9	1.891	2.777	11.4	21.0
10 28	23 27.92	− 5 52.9	1.975	2.773	14.5	21.2
122603 2000 RM_{40}			9 20.3 350°.71		5°.9/24.5 18	
8 19	0 13.46	+12 0.3	1.321	2.177	18.3	18.1
8 29	0 8.86	+12 39.8	1.252	2.171	14.6	17.9
9 8	0 1.73	+12 56.3	1.203	2.166	10.5	17.6
9 18	23 52.87	+12 49.0	1.176	2.162	6.9	17.4
9 28	23 43.57	+12 20.7	1.172	2.159	6.2	17.4
10 8	23 35.24	+11 38.4	1.193	2.157	9.3	17.6
10 18	23 29.07	+10 50.9	1.236	2.156	13.5	17.8
10 28	23 25.86	+10 7.4	1.299	2.156	17.3	18.0
168051 2006 BM_{81}			9 20.3 76°.16		0°.6/19.9 17	
8 19	0 19.13	− 1 2.5	1.242	2.133	16.9	20.7
8 29	0 12.75	− 1 16.2	1.191	2.142	12.2	20.5
9 8	0 3.76	− 1 41.5	1.162	2.151	6.9	20.2
9 18	23 53.22	− 2 13.1	1.156	2.161	1.2	19.9
9 28	23 42.56	− 2 43.5	1.176	2.170	4.7	20.1
10 8	23 33.25	− 3 5.8	1.221	2.179	10.0	20.5
10 18	23 26.39	− 3 15.2	1.289	2.188	14.7	20.8
10 28	23 22.61	− 3 9.0	1.376	2.197	18.5	21.1
44061 1998 FJ_{43}			9 20.3 248°.57		0°.8/20.9 18	
8 19	0 13.21	+ 4 28.5	1.457	2.334	15.7	18.9
8 29	0 8.39	+ 3 43.8	1.388	2.330	11.6	18.7
9 8	0 1.31	+ 2 40.2	1.341	2.326	6.9	18.4
9 18	23 52.78	+ 1 22.9	1.318	2.322	1.8	18.1
9 28	23 43.93	+ 0 0.4	1.322	2.318	3.8	18.2
10 8	23 36.00	− 1 17.6	1.352	2.313	8.9	18.5
10 18	23 30.01	− 2 22.7	1.406	2.309	13.5	18.7
10 28	23 26.66	− 3 9.3	1.481	2.304	17.3	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
17205 2000 AM_{105}			9 20.3 327°.44		9°.1/10.5 18	
	h m	° ′			°	m
8 19	0 10.83	−20 25.6	1.534	2.442	13.3	17.6
8 29	0 6.65	−22 22.5	1.487	2.433	10.7	17.5
9 8	0 0.30	−24 12.1	1.463	2.424	9.2	17.4
9 18	23 52.59	−25 42.9	1.463	2.417	9.7	17.4
9 28	23 44.64	−26 45.3	1.488	2.409	12.0	17.5
10 8	23 37.65	−27 14.2	1.534	2.402	14.8	17.7
10 18	23 32.56	−27 9.5	1.600	2.395	17.6	17.8
10 28	23 30.02	−26 34.4	1.682	2.389	20.0	18.0
279838 2000 SH_{324}			9 20.3 177°.40		1°.3/21.7 18	
8 19	0 11.62	+ 6 29.0	1.767	2.630	14.1	20.3
8 29	0 6.89	+ 5 40.3	1.697	2.630	10.5	20.1
9 8	0 0.31	+ 4 33.9	1.650	2.631	6.4	19.9
9 18	23 52.59	+ 3 14.1	1.629	2.631	2.2	19.6
9 28	23 44.65	+ 1 48.2	1.636	2.631	3.2	19.7
10 8	23 37.48	+ 0 24.5	1.670	2.631	7.5	20.0
10 18	23 31.92	− 0 49.3	1.730	2.631	11.5	20.2
10 28	23 28.56	− 1 47.8	1.812	2.630	14.8	20.4
300838 2007 XL_{36}			9 20.3 10°.75		8°.1/27.9 18	
8 19	0 13.17	+20 49.7	1.701	2.495	17.5	19.7
8 29	0 8.27	+21 31.3	1.630	2.496	14.8	19.5
9 8	0 1.23	+21 47.0	1.577	2.497	11.8	19.3
9 18	23 52.78	+21 34.9	1.546	2.499	9.3	19.2
9 28	23 43.98	+20 56.5	1.539	2.502	8.1	19.1
10 8	23 36.00	+19 57.5	1.558	2.505	9.3	19.2
10 18	23 29.81	+18 46.3	1.600	2.508	11.8	19.3
10 28	23 26.14	+17 32.6	1.665	2.511	14.6	19.5
312974 1999 CU_{8}			9 20.3 110°.37		18°.6/ 2.7 18	
8 19	0 28.86	−40 53.0	1.233	2.083	19.7	20.2
8 29	0 20.11	−44 7.3	1.251	2.112	18.7	20.3
9 8	0 7.91	−46 35.4	1.289	2.140	18.7	20.4
9 18	23 53.95	−48 5.9	1.346	2.166	19.6	20.5
9 28	23 40.47	−48 36.2	1.420	2.191	20.9	20.7
10 8	23 29.43	−48 12.3	1.508	2.215	22.3	20.9
10 18	23 21.98	−47 5.2	1.609	2.237	23.5	21.1
10 28	23 18.52	−45 25.9	1.718	2.258	24.4	21.3
446243 2013 HY_{9}			9 20.3 2°.78		5°.3/14.3 18	
8 19	0 10.61	−14 1.0	1.991	2.891	11.1	20.4
8 29	0 5.97	−15 17.1	1.939	2.891	8.2	20.2
9 8	23 59.71	−16 31.8	1.912	2.891	5.8	20.1
9 18	23 52.47	−17 37.8	1.912	2.891	5.5	20.1
9 28	23 45.10	−18 28.3	1.939	2.892	7.5	20.2
10 8	23 38.48	−18 59.1	1.991	2.892	10.3	20.4
10 18	23 33.31	−19 8.3	2.066	2.893	13.1	20.5
10 28	23 30.12	−18 56.5	2.161	2.894	15.4	20.7
513456 2008 YE_{121}			9 20.3 302°.74		4°.2/16.4 18	
8 19	0 12.46	− 8 51.4	1.599	2.501	13.2	21.5
8 29	0 7.77	− 9 53.3	1.529	2.486	9.5	21.2
9 8	0 0.95	−11 0.1	1.482	2.470	5.8	21.0
9 18	23 52.73	−12 3.8	1.460	2.455	4.3	20.9
9 28	23 44.16	−12 56.0	1.464	2.440	7.0	21.0
10 8	23 36.40	−13 30.0	1.494	2.425	11.0	21.2
10 18	23 30.41	−13 42.1	1.546	2.410	14.8	21.4
10 28	23 26.89	−13 31.5	1.618	2.396	18.1	21.6
237824 2002 CC_{183}			9 20.3 206°.65		0°.9/19.4 18	
8 19	0 14.37	− 1 19.7	1.835	2.715	12.9	21.1
8 29	0 8.81	− 1 56.2	1.766	2.712	9.2	20.9
9 8	0 1.39	− 2 42.2	1.721	2.709	5.1	20.7
9 18	23 52.80	− 3 32.7	1.702	2.706	1.1	20.4
9 28	23 43.99	− 4 21.6	1.712	2.703	4.0	20.6
10 8	23 35.95	− 5 2.8	1.749	2.699	8.1	20.8
10 18	23 29.52	− 5 31.6	1.811	2.695	11.9	21.1
10 28	23 25.32	− 5 45.3	1.895	2.691	15.1	21.3
486932 2014 MN_{31}			9 20.3 26°.73		3°.1/23.4 17	
8 19	0 12.03	+ 9 5.8	1.973	2.819	13.5	20.7
8 29	0 7.02	+ 9 11.4	1.906	2.824	10.4	20.5
9 8	0 0.33	+ 9 1.5	1.861	2.829	7.0	20.3
9 18	23 52.60	+ 8 37.7	1.841	2.834	3.8	20.1
9 28	23 44.69	+ 8 3.6	1.849	2.840	3.6	20.1
10 8	23 37.50	+ 7 24.6	1.884	2.847	6.6	20.3
10 18	23 31.78	+ 6 46.1	1.946	2.853	10.0	20.6
10 28	23 28.09	+ 6 13.4	2.030	2.860	13.0	20.8
166923 2003 FX_{92}			9 20.3 81°.12		3°.2/17.7 17	
8 19	0 15.35	− 4 0.1	1.241	2.144	16.1	19.8
8 29	0 9.92	− 5 20.2	1.201	2.159	11.4	19.6
9 8	0 2.10	− 6 49.9	1.182	2.174	6.4	19.3
9 18	23 52.92	− 8 18.9	1.188	2.189	3.2	19.2
9 28	23 43.74	− 9 36.0	1.219	2.204	6.5	19.4
10 8	23 35.87	−10 32.7	1.275	2.219	11.2	19.8
10 18	23 30.30	−11 4.8	1.353	2.233	15.4	20.0
10 28	23 27.57	−11 11.8	1.450	2.248	18.9	20.3

373996 2004 BU_{71} 9 20.3 235°.17 0°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.01	+ 4 39.4	1.760	2.625	14.0	21.5
8 29	0 8.74	+ 3 56.5	1.678	2.614	10.4	21.3
9 8	0 1.46	+ 2 56.8	1.620	2.603	6.2	21.0
9 18	23 52.84	+ 1 44.6	1.587	2.590	1.7	20.7
9 28	23 43.85	+ 0 26.7	1.583	2.577	3.4	20.8
10 8	23 35.56	− 0 48.7	1.605	2.564	8.0	21.0
10 18	23 28.92	− 1 54.1	1.654	2.550	12.2	21.3
10 28	23 24.62	− 2 44.0	1.725	2.535	15.8	21.5

356401 2010 RR_{114} 9 20.3 80°.19 1°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.77	+ 5 40.8	2.051	2.907	12.7	20.8
8 29	0 7.42	+ 5 28.0	1.990	2.918	9.5	20.6
9 8	0 0.49	+ 5 2.3	1.952	2.930	5.8	20.4
9 18	23 52.63	+ 4 26.5	1.940	2.941	2.3	20.2
9 28	23 44.65	+ 3 45.0	1.957	2.952	2.9	20.3
10 8	23 37.42	+ 3 3.2	2.002	2.963	6.5	20.6
10 18	23 31.62	+ 2 25.9	2.073	2.974	9.9	20.8
10 28	23 27.78	+ 1 57.4	2.168	2.985	12.8	21.0

218421 2004 RF_{143} 9 20.3 5°.81 8°.9/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.00	+21 43.0	1.768	2.552	17.3	19.5
8 29	0 8.87	+22 49.0	1.696	2.552	14.8	19.3
9 8	0 1.59	+23 30.8	1.644	2.554	12.1	19.1
9 18	23 52.87	+23 45.5	1.613	2.556	9.8	19.0
9 28	23 43.76	+23 33.1	1.606	2.558	8.9	19.0
10 8	23 35.41	+22 57.9	1.624	2.562	9.7	19.0
10 18	23 28.83	+22 7.0	1.666	2.566	11.9	19.2
10 28	23 24.75	+21 9.4	1.730	2.571	14.4	19.4

240976 2006 JZ_{40} 9 20.3 201°.53 2°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.52	− 5 8.2	1.964	2.849	11.9	22.1
8 29	0 8.81	− 5 49.8	1.897	2.847	8.5	21.8
9 8	0 1.35	− 6 37.1	1.855	2.844	4.8	21.6
9 18	23 52.80	− 7 24.8	1.840	2.841	2.1	21.4
9 28	23 44.07	− 8 6.9	1.853	2.838	4.6	21.6
10 8	23 36.08	− 8 38.2	1.894	2.834	8.4	21.8
10 18	23 29.62	− 8 55.4	1.960	2.830	11.8	22.0
10 28	23 25.26	− 8 56.9	2.048	2.826	14.8	22.2

351127 2003 WZ_{85} 9 20.3 311°.08 9°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.49	−22 10.1	1.537	2.436	13.8	19.5
8 29	0 10.25	−23 26.9	1.468	2.408	11.2	19.2
9 8	0 2.50	−24 35.5	1.421	2.380	9.6	19.1
9 18	23 53.06	−25 25.2	1.398	2.353	9.9	19.0
9 28	23 43.14	−25 46.7	1.398	2.325	12.1	19.1
10 8	23 34.13	−25 35.5	1.421	2.298	15.2	19.2
10 18	23 27.18	−24 51.6	1.463	2.272	18.4	19.4
10 28	23 23.09	−23 38.7	1.522	2.246	21.2	19.5

519368 2011 OF_{25} 9 20.3 29°.70 3°.7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.90	+10 11.8	1.483	2.341	16.6	20.3
8 29	0 7.34	+10 5.5	1.424	2.348	12.8	20.1
9 8	0 0.66	+ 9 37.6	1.385	2.356	8.6	19.9
9 18	23 52.69	+ 8 50.4	1.370	2.364	4.7	19.7
9 28	23 44.52	+ 7 49.9	1.380	2.373	4.3	19.7
10 8	23 37.33	+ 6 44.3	1.416	2.382	8.0	19.9
10 18	23 32.03	+ 5 42.0	1.476	2.392	12.0	20.2
10 28	23 29.24	+ 4 50.3	1.558	2.402	15.6	20.4

97413 2000 AZ_{153} 9 20.3 197°.44 3°.3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.67	+11 28.1	2.448	3.271	11.9	19.4
8 29	0 6.56	+11 28.6	2.368	3.270	9.3	19.3
9 8	0 0.01	+11 14.7	2.311	3.269	6.5	19.1
9 18	23 52.56	+10 47.4	2.281	3.268	3.9	18.9
9 28	23 44.91	+10 9.6	2.279	3.267	3.6	18.9
10 8	23 37.80	+ 9 25.7	2.306	3.265	5.8	19.0
10 18	23 31.89	+ 8 40.5	2.360	3.263	8.7	19.2
10 28	23 27.67	+ 7 59.1	2.439	3.262	11.3	19.4

84710 2002 VE_{121} 9 20.3 339°.00 6°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.44	−16 51.5	1.817	2.710	12.3	19.3
8 29	0 10.99	−17 29.0	1.762	2.708	9.3	19.1
9 8	0 2.59	−18 1.1	1.732	2.706	6.7	19.0
9 18	23 53.04	−18 21.1	1.727	2.705	6.1	18.9
9 28	23 43.40	−18 23.6	1.749	2.704	8.0	19.0
10 8	23 34.72	−18 6.0	1.797	2.702	11.0	19.2
10 18	23 27.86	−17 28.5	1.868	2.701	14.0	19.4
10 28	23 23.38	−16 32.9	1.960	2.701	16.5	19.6

270116 2001 RO_{47} 9 20.3 316°.16 8°.8/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 35.91	−19 54.4	0.980	1.875	20.1	19.7
8 29	0 25.89	−19 38.0	0.922	1.867	15.5	19.4
9 8	0 11.68	−19 3.5	0.883	1.860	11.0	19.2
9 18	23 54.80	−18 0.9	0.867	1.853	8.8	19.0
9 28	23 37.69	−16 25.2	0.876	1.847	11.2	19.1
10 8	23 22.80	−14 20.3	0.908	1.841	16.0	19.4
10 18	23 11.85	−11 55.2	0.962	1.835	20.8	19.7
10 28	23 5.59	− 9 19.2	1.033	1.830	24.9	19.9

199700 2006 HF_{40} 9 20.3 359°.85 1°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 8.83	− 1 45.2	2.354	3.234	10.4	20.8
8 29	0 4.50	− 2 32.2	2.287	3.234	7.4	20.6
9 8	23 58.83	− 3 26.6	2.245	3.234	4.1	20.4
9 18	23 52.34	− 4 24.1	2.230	3.234	1.1	20.2
9 28	23 45.72	− 5 19.5	2.245	3.234	3.4	20.3
10 8	23 39.66	− 6 7.7	2.287	3.234	6.7	20.6
10 18	23 34.76	− 6 45.1	2.356	3.234	9.8	20.7
10 28	23 31.49	− 7 9.0	2.448	3.235	12.4	20.9

141454 2002 CW_{92} 9 20.3 88°.52 2°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.48	− 5 16.0	2.146	3.033	11.0	20.2
8 29	0 6.41	− 6 7.6	2.095	3.046	7.7	20.0
9 8	23 59.89	− 7 4.0	2.069	3.058	4.3	19.8
9 18	23 52.53	− 7 59.7	2.070	3.070	2.2	19.7
9 28	23 45.13	− 8 49.2	2.100	3.083	4.4	19.8
10 8	23 38.44	− 9 27.7	2.157	3.095	7.7	20.1
10 18	23 33.12	− 9 52.3	2.241	3.107	10.7	20.3
10 28	23 29.61	−10 1.6	2.346	3.119	13.2	20.5

36839 2000 SV_{110} 9 20.3 18°.80 1°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.86	− 1 30.5	1.263	2.163	16.1	18.2
8 29	0 8.23	− 1 59.4	1.212	2.168	11.5	17.9
9 8	0 1.24	− 2 40.1	1.183	2.174	6.4	17.6
9 18	23 52.81	− 3 26.0	1.176	2.181	1.4	17.3
9 28	23 44.24	− 4 9.2	1.195	2.188	4.8	17.6
10 8	23 36.83	− 4 41.9	1.238	2.196	9.9	17.9
10 18	23 31.59	− 4 59.2	1.304	2.205	14.4	18.2
10 28	23 29.13	− 4 58.4	1.389	2.215	18.1	18.5

480147 2015 FZ_{215} 9 20.3 120°.86 2°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.26	− 6 34.1	1.659	2.549	13.5	21.3
8 29	0 10.92	− 7 13.5	1.607	2.558	9.6	21.1
9 8	0 2.58	− 7 57.3	1.578	2.567	5.5	20.9
9 18	23 53.06	− 8 39.2	1.575	2.575	2.8	20.7
9 28	23 43.47	− 9 12.7	1.600	2.583	5.5	20.9
10 8	23 34.90	− 9 32.7	1.652	2.591	9.4	21.2
10 18	23 28.22	− 9 36.4	1.727	2.599	13.1	21.4
10 28	23 23.99	− 9 23.3	1.824	2.606	16.2	21.7

287309 2002 TJ_{239} 9 20.3 328°.34 5°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.10	+14 33.6	1.647	2.480	16.4	20.0
8 29	0 6.83	+14 44.7	1.567	2.470	13.2	19.8
9 8	0 0.47	+14 32.7	1.507	2.461	9.7	19.6
9 18	23 52.70	+13 57.6	1.471	2.452	6.5	19.4
9 28	23 44.54	+13 2.8	1.459	2.444	5.6	19.3
10 8	23 37.11	+11 55.2	1.474	2.436	8.1	19.4
10 18	23 31.39	+10 43.6	1.513	2.429	11.7	19.6
10 28	23 28.11	+ 9 36.5	1.574	2.422	15.2	19.8

100791 1998 FW_{75} 9 20.3 41°.66 3°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.91	+ 4 17.4	1.029	1.911	20.3	18.0
8 29	0 16.35	+ 5 19.8	0.994	1.934	15.2	17.8
9 8	0 5.82	+ 6 3.8	0.978	1.958	9.6	17.5
9 18	23 53.66	+ 6 29.7	0.984	1.983	4.5	17.3
9 28	23 41.66	+ 6 41.0	1.015	2.009	5.1	17.5
10 8	23 31.51	+ 6 44.0	1.070	2.035	10.0	17.8
10 18	23 24.37	+ 6 45.4	1.146	2.062	14.7	18.2
10 28	23 20.79	+ 6 51.4	1.242	2.089	18.6	18.5

293409 2007 EJ_{86} 9 20.3 139°.17 3°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.34	+14 9.0	2.717	3.525	11.3	20.7
8 29	0 4.72	+13 33.2	2.642	3.534	8.9	20.6
9 8	23 58.90	+12 41.5	2.591	3.542	6.3	20.4
9 18	23 52.37	+11 35.9	2.566	3.551	3.8	20.3
9 28	23 45.73	+10 20.3	2.571	3.558	3.3	20.2
10 8	23 39.62	+ 9 0.0	2.606	3.566	5.2	20.4
10 18	23 34.58	+ 7 40.5	2.669	3.573	7.8	20.6
10 28	23 31.02	+ 6 27.2	2.758	3.580	10.2	20.7

443906 2002 EY_{40} 9 20.3 69°.66 4°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.02	−14 10.6	2.115	2.993	11.5	19.7
8 29	0 13.74	−14 17.0	2.077	3.018	8.3	19.6
9 8	0 3.90	−14 19.4	2.064	3.043	5.4	19.4
9 18	23 53.28	−14 13.7	2.080	3.068	4.1	19.4
9 28	23 42.84	−13 56.6	2.125	3.093	5.8	19.6
10 8	23 33.49	−13 26.8	2.199	3.117	8.6	19.8
10 18	23 25.88	−12 44.9	2.300	3.142	11.4	20.0
10 28	23 20.46	−11 52.0	2.423	3.166	13.7	20.2

332274 2006 SG_{150} 9 20.3 190°.71 0°.8/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.41	− 1 0.1	1.492	2.378	14.9	21.3
8 29	0 10.62	− 1 28.0	1.429	2.378	10.8	21.0
9 8	0 2.57	− 2 7.0	1.389	2.378	6.0	20.8
9 18	23 53.09	− 2 51.8	1.373	2.377	1.2	20.4
9 28	23 43.37	− 3 35.2	1.384	2.377	4.4	20.7
10 8	23 34.65	− 4 10.4	1.422	2.376	9.2	21.0
10 18	23 27.93	− 4 32.3	1.483	2.376	13.5	21.2
10 28	23 23.89	− 4 37.9	1.565	2.375	17.2	21.5

264060 2009 SO_{75} 9 20.3 239°.36 1°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 3.96	− 4 57.2	4.595	5.471	5.8	20.8
8 29	0 0.50	− 5 29.3	4.521	5.467	4.1	20.6
9 8	23 56.40	− 6 3.8	4.476	5.464	2.3	20.5
9 18	23 51.90	− 6 38.6	4.459	5.461	1.0	20.4
9 28	23 47.33	− 7 11.3	4.473	5.457	2.2	20.5
10 8	23 43.01	− 7 40.0	4.517	5.454	4.0	20.6
10 18	23 39.24	− 8 2.8	4.589	5.450	5.7	20.7
10 28	23 36.29	− 8 18.4	4.686	5.447	7.2	20.9

133048 2003 CG_{15} 9 20.3 92°.06 4°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 36.25	−13 29.4	1.391	2.265	16.5	18.7
8 29	0 24.47	−13 15.2	1.352	2.293	12.0	18.5
9 8	0 10.07	−12 55.1	1.338	2.319	7.4	18.3
9 18	23 54.43	−12 23.8	1.351	2.346	4.7	18.2
9 28	23 39.28	−11 38.5	1.394	2.371	7.0	18.4
10 8	23 26.13	−10 39.3	1.465	2.396	11.1	18.7
10 18	23 16.01	− 9 28.7	1.562	2.420	15.0	19.0
10 28	23 9.35	− 8 9.4	1.680	2.444	18.0	19.3

61164 2000 NM_{19} 9 20.3 82°.08 3°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.62	− 5 10.0	1.265	2.168	15.9	18.9
8 29	0 10.09	− 6 32.3	1.226	2.184	11.2	18.6
9 8	0 2.21	− 8 2.4	1.209	2.200	6.4	18.4
9 18	23 53.00	− 9 29.8	1.216	2.216	3.6	18.3
9 28	23 43.81	−10 43.8	1.250	2.232	6.8	18.5
10 8	23 35.93	−11 36.4	1.307	2.247	11.3	18.8
10 18	23 30.31	−12 4.1	1.387	2.263	15.4	19.1
10 28	23 27.51	−12 6.6	1.486	2.278	18.8	19.4

313513 2002 VZ_{147} 9 20.3 8°.80 1°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.13	− 2 29.7	1.599	2.495	13.5	20.0
8 29	0 5.94	− 3 31.9	1.540	2.495	9.6	19.8
9 8	23 59.85	− 4 44.4	1.505	2.496	5.3	19.5
9 18	23 52.58	− 6 0.1	1.495	2.498	1.9	19.3
9 28	23 45.14	− 7 10.6	1.512	2.500	4.9	19.5
10 8	23 38.56	− 8 8.3	1.555	2.503	9.2	19.8
10 18	23 33.66	− 8 48.1	1.622	2.506	13.1	20.0
10 28	23 31.05	− 9 7.6	1.709	2.509	16.3	20.2

368546 2003 YX_{22} 9 20.3 312°.07 1°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.62	− 0 14.8	1.210	2.112	16.5	20.3
8 29	0 7.81	− 0 58.5	1.134	2.091	12.1	20.0
9 8	0 1.32	− 1 59.6	1.077	2.069	6.8	19.7
9 18	23 52.92	− 3 11.5	1.044	2.048	1.4	19.2
9 28	23 43.90	− 4 24.1	1.035	2.028	5.3	19.4
10 8	23 35.76	− 5 26.5	1.049	2.008	11.1	19.7
10 18	23 29.81	− 6 10.2	1.084	1.989	16.4	19.9
10 28	23 26.96	− 6 30.1	1.138	1.970	20.9	20.2

278582 2008 JE_{15} 9 20.3 4°.26 3°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.81	− 6 54.9	1.374	2.277	14.8	20.3
8 29	0 9.58	− 7 47.0	1.319	2.277	10.6	20.1
9 8	0 2.01	− 8 45.0	1.287	2.277	6.2	19.8
9 18	23 53.00	− 9 40.8	1.278	2.277	3.6	19.7
9 28	23 43.79	−10 25.7	1.296	2.278	6.6	19.8
10 8	23 35.68	−10 52.9	1.337	2.279	11.0	20.1
10 18	23 29.67	−10 59.2	1.402	2.280	15.1	20.4
10 28	23 26.41	−10 44.0	1.485	2.281	18.6	20.6

98505 2000 VC_{16} 9 20.3 186°.83 3°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.90	− 7 40.5	1.958	2.848	11.7	19.2
8 29	0 8.38	− 8 41.1	1.896	2.847	8.3	19.0
9 8	0 1.13	− 9 45.8	1.859	2.847	4.9	18.8
9 18	23 52.83	−10 48.1	1.850	2.846	3.3	18.7
9 28	23 44.35	−11 41.2	1.868	2.845	5.6	18.9
10 8	23 36.64	−12 19.8	1.914	2.843	9.1	19.1
10 18	23 30.46	−12 40.9	1.985	2.841	12.3	19.3
10 28	23 26.36	−12 43.4	2.077	2.838	15.1	19.5

385334 2002 GA_{106} 9 20.3 117°.67 6°.7/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.57	−19 39.4	1.976	2.862	11.8	20.7
8 29	0 11.55	−20 37.9	1.940	2.878	9.1	20.5
9 8	0 2.81	−21 28.3	1.929	2.893	7.1	20.5
9 18	23 53.13	−22 3.9	1.944	2.908	6.9	20.5
9 28	23 43.52	−22 19.6	1.987	2.922	8.6	20.6
10 8	23 34.94	−22 13.4	2.055	2.936	11.0	20.8
10 18	23 28.14	−21 46.0	2.147	2.949	13.5	21.0
10 28	23 23.58	−20 59.9	2.258	2.962	15.6	21.2

17915 1999 GU 9 20.3 172°.01 0°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.25	+ 1 10.8	1.442	2.324	15.6	19.1
8 29	0 10.58	+ 0 36.8	1.379	2.325	11.3	18.8
9 8	0 2.59	− 0 11.5	1.339	2.326	6.4	18.6
9 18	23 53.13	− 1 8.6	1.323	2.327	1.2	18.2
9 28	23 43.43	− 2 6.7	1.334	2.328	4.2	18.4
10 8	23 34.76	− 2 57.6	1.371	2.328	9.2	18.7
10 18	23 28.14	− 3 35.2	1.431	2.328	13.7	19.0
10 28	23 24.25	− 3 55.3	1.513	2.328	17.4	19.2

282254 2002 HP_{12} 9 20.3 69°.21 7°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.57	−19 14.0	1.621	2.517	13.4	19.8
8 29	0 10.92	−20 49.9	1.610	2.553	10.3	19.7
9 8	0 2.42	−22 14.8	1.624	2.588	8.1	19.7
9 18	23 53.05	−23 19.8	1.663	2.623	8.1	19.8
9 28	23 43.95	−23 58.8	1.727	2.658	10.0	20.0
10 8	23 36.15	−24 10.0	1.816	2.692	12.5	20.2
10 18	23 30.37	−23 55.2	1.926	2.725	14.9	20.4
10 28	23 27.02	−23 18.0	2.054	2.759	16.9	20.7

322760 2001 EZ_{3} 9 20.3 270°.10 0°.5/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.15	+ 1 28.8	2.417	3.277	10.9	21.3
8 29	0 8.47	+ 1 22.2	2.321	3.256	8.0	21.1
9 8	0 1.21	+ 1 7.3	2.251	3.234	4.7	20.8
9 18	23 52.89	+ 0 46.3	2.209	3.212	1.2	20.5
9 28	23 44.23	+ 0 22.7	2.196	3.190	2.7	20.6
10 8	23 36.03	+ 0 0.4	2.213	3.168	6.3	20.8
10 18	23 29.02	− 0 17.0	2.256	3.145	9.7	21.0
10 28	23 23.78	− 0 26.1	2.324	3.122	12.6	21.2

67426 2000 QA_{98} 9 20.3 51°.71 3°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.18	− 4 51.6	1.035	1.949	17.7	18.5
8 29	0 9.99	− 6 9.8	1.008	1.970	12.4	18.3
9 8	0 2.21	− 7 35.8	1.000	1.993	7.0	18.1
9 18	23 53.04	− 8 58.2	1.016	2.016	3.8	18.0
9 28	23 44.03	−10 5.2	1.055	2.040	7.2	18.3
10 8	23 36.62	−10 48.8	1.117	2.063	12.1	18.6
10 18	23 31.76	−11 6.0	1.200	2.088	16.4	19.0
10 28	23 29.95	−10 57.6	1.300	2.112	19.9	19.3

126800 2002 EP_{27} 9 20.3 280°.92 0°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.21	+ 0 24.5	2.125	3.003	11.4	19.9
8 29	0 4.96	− 0 36.5	2.053	2.998	8.2	19.7
9 8	23 59.20	− 1 48.3	2.005	2.993	4.6	19.5
9 18	23 52.50	− 3 5.8	1.985	2.989	0.9	19.2
9 28	23 45.60	− 4 22.7	1.993	2.984	3.5	19.4
10 8	23 39.31	− 5 32.3	2.029	2.979	7.2	19.6
10 18	23 34.28	− 6 29.4	2.092	2.974	10.6	19.8
10 28	23 31.06	− 7 10.7	2.177	2.970	13.5	20.0

263281 2008 BJ_{34} 9 20.3 252°.23 0°.2/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.03	+ 1 52.0	1.537	2.418	14.9	21.4
8 29	0 9.00	+ 1 6.5	1.463	2.408	10.8	21.1
9 8	0 1.74	+ 0 5.2	1.411	2.399	6.2	20.8
9 18	23 53.01	− 1 6.3	1.385	2.389	1.1	20.5
9 28	23 43.91	− 2 20.0	1.385	2.379	4.1	20.7
10 8	23 35.64	− 3 27.0	1.412	2.369	9.0	20.9
10 18	23 29.23	− 4 20.2	1.463	2.358	13.5	21.2
10 28	23 25.40	− 4 54.7	1.534	2.348	17.3	21.4

256580 2007 TS_{232} 9 20.3 157°.19 1°.6/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.86	+ 6 15.4	1.486	2.354	16.0	21.0
8 29	0 9.54	+ 5 39.0	1.422	2.357	11.9	20.7
9 8	0 1.99	+ 4 43.0	1.379	2.360	7.3	20.5
9 18	23 53.05	+ 3 32.0	1.361	2.363	2.6	20.2
9 28	23 43.86	+ 2 13.7	1.369	2.365	3.7	20.3
10 8	23 35.65	+ 0 57.5	1.404	2.367	8.4	20.6
10 18	23 29.41	− 0 8.3	1.464	2.368	12.9	20.9
10 28	23 25.79	− 0 57.8	1.544	2.370	16.6	21.1

516612 2007 SN_{22} 9 20.3 242°.41 3°.7/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.90	+13 26.5	2.098	2.922	13.6	21.7
8 29	0 6.29	+12 58.6	2.011	2.913	10.8	21.5
9 8	0 0.03	+12 10.4	1.946	2.904	7.6	21.3
9 18	23 52.68	+11 3.9	1.907	2.895	4.5	21.1
9 28	23 45.04	+ 9 43.4	1.896	2.885	3.9	21.1
10 8	23 38.00	+ 8 16.0	1.913	2.875	6.6	21.2
10 18	23 32.31	+ 6 49.2	1.957	2.865	9.9	21.4
10 28	23 28.56	+ 5 30.2	2.025	2.855	13.1	21.6

423120 2004 BE_{119} 9 20.3 222°.73 4°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.73	− 9 16.7	1.794	2.687	12.5	21.3
8 29	0 9.95	−10 26.8	1.726	2.678	9.0	21.0
9 8	0 2.17	−11 40.8	1.683	2.669	5.6	20.8
9 18	23 53.10	−12 51.0	1.666	2.659	4.2	20.7
9 28	23 43.75	−13 49.4	1.677	2.649	6.7	20.8
10 8	23 35.20	−14 29.9	1.715	2.637	10.4	21.0
10 18	23 28.34	−14 49.2	1.777	2.626	13.9	21.2
10 28	23 23.82	−14 46.9	1.858	2.614	16.8	21.4

505103 2012 CD_{12} 9 20.3 281°.30 2°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.27	− 2 54.1	1.309	2.209	15.7	21.7
8 29	0 9.47	− 3 53.5	1.242	2.198	11.3	21.4
9 8	0 2.15	− 5 5.9	1.196	2.187	6.3	21.1
9 18	23 53.12	− 6 23.2	1.174	2.176	2.4	20.8
9 28	23 43.68	− 7 35.0	1.177	2.165	5.9	21.0
10 8	23 35.22	− 8 31.7	1.205	2.155	11.1	21.3
10 18	23 28.91	− 9 7.0	1.255	2.144	15.8	21.5
10 28	23 25.54	− 9 18.1	1.324	2.133	19.8	21.7

506944 2008 HG_{26} 9 20.3 138.°72 2.°2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.29	− 3 54.3	1.834	2.718	12.7	22.0
8 29	0 9.39	− 4 59.1	1.781	2.730	9.0	21.8
9 8	0 1.71	− 6 11.1	1.752	2.741	5.0	21.6
9 18	23 53.00	− 7 23.7	1.750	2.752	2.2	21.5
9 28	23 44.19	− 8 29.4	1.777	2.761	4.9	21.7
10 8	23 36.28	− 9 22.0	1.832	2.771	8.7	21.9
10 18	23 30.03	− 9 57.7	1.911	2.779	12.2	22.2
10 28	23 25.97	−10 14.7	2.012	2.787	15.1	22.4

222161 2000 AP_{23} 9 20.3 291.°93 5.°2/14.2 18

8 19	0 11.39	−15 4.1	2.153	3.049	10.5	19.7
8 29	0 6.59	−16 9.3	2.087	3.035	7.9	19.5
9 8	0 0.17	−17 12.9	2.046	3.022	5.7	19.3
9 18	23 52.74	−18 8.3	2.032	3.009	5.4	19.3
9 28	23 45.09	−18 49.3	2.045	2.996	7.3	19.4
10 8	23 38.07	−19 11.8	2.084	2.982	10.0	19.5
10 18	23 32.41	−19 14.0	2.146	2.969	12.8	19.7
10 28	23 28.66	−18 56.2	2.229	2.957	15.1	19.8

105882 2000 SL_{179} 9 20.3 336.°23 1.°4/19.2 18

8 19	0 14.72	− 4 10.0	1.823	2.709	12.6	18.5
8 29	0 9.15	− 4 19.9	1.754	2.703	9.1	18.3
9 8	0 1.68	− 4 35.5	1.709	2.698	5.1	18.0
9 18	23 53.03	− 4 52.5	1.689	2.693	1.5	17.8
9 28	23 44.15	− 5 6.3	1.698	2.688	4.1	18.0
10 8	23 36.05	− 5 12.5	1.733	2.683	8.2	18.2
10 18	23 29.57	− 5 8.1	1.793	2.679	12.0	18.4
10 28	23 25.34	− 4 51.2	1.876	2.675	15.1	18.6

235356 2003 UZ_{329} 9 20.3 61.°79 0.°5/20.8 18

8 19	0 15.23	+ 1 51.7	1.605	2.481	14.6	20.4
8 29	0 9.54	+ 1 35.7	1.552	2.495	10.6	20.2
9 8	0 1.88	+ 1 7.3	1.523	2.509	6.1	20.0
9 18	23 53.06	+ 0 31.0	1.519	2.523	1.4	19.7
9 28	23 44.18	− 0 7.6	1.542	2.537	3.5	19.9
10 8	23 36.30	− 0 42.1	1.592	2.551	7.9	20.2
10 18	23 30.27	− 1 7.5	1.666	2.565	11.9	20.5
10 28	23 26.66	− 1 20.4	1.762	2.580	15.2	20.7

195066 2002 CK_{91} 9 20.3 272.°60 1.°3/19.2 18

8 19	0 14.61	− 2 15.6	1.691	2.576	13.5	20.6
8 29	0 9.27	− 2 48.4	1.616	2.565	9.7	20.3
9 8	0 1.87	− 3 30.7	1.564	2.553	5.4	20.1
9 18	23 53.10	− 4 17.4	1.538	2.542	1.4	19.8
9 28	23 43.98	− 5 1.9	1.539	2.530	4.4	19.9
10 8	23 35.64	− 5 37.7	1.567	2.518	8.9	20.2
10 18	23 29.01	− 6 0.0	1.620	2.506	13.0	20.4
10 28	23 24.80	− 6 6.1	1.693	2.495	16.4	20.6

293914 2007 SH_{10} 9 20.3 99.°76 1.°5/18.9 18

8 19	0 13.52	− 2 51.8	1.807	2.693	12.7	20.8
8 29	0 8.23	− 3 32.3	1.747	2.696	9.1	20.6
9 8	0 1.13	− 4 20.8	1.710	2.700	5.0	20.3
9 18	23 52.94	− 5 11.8	1.700	2.703	1.6	20.1
9 28	23 44.60	− 5 59.0	1.717	2.706	4.3	20.3
10 8	23 37.08	− 6 36.6	1.762	2.709	8.3	20.6
10 18	23 31.17	− 7 0.5	1.831	2.712	12.0	20.8
10 28	23 27.44	− 7 8.6	1.922	2.716	15.0	21.0

416349 2003 SA_{329} 9 20.3 147.°40 3.°0/18.2 17

8 19	0 19.49	− 6 43.8	1.464	2.357	14.8	21.2
8 29	0 12.86	− 7 14.3	1.408	2.360	10.6	21.0
9 8	0 3.89	− 7 49.5	1.374	2.363	6.1	20.7
9 18	23 53.48	− 8 22.8	1.366	2.366	3.0	20.6
9 28	23 42.91	− 8 47.2	1.384	2.369	5.9	20.7
10 8	23 33.48	− 8 57.4	1.429	2.371	10.3	21.0
10 18	23 26.21	− 8 50.8	1.496	2.374	14.4	21.3
10 28	23 21.74	− 8 26.9	1.584	2.376	17.8	21.5

220477 2004 CS_{14} 9 20.3 160.°07 2.°0/22.0 18

8 19	0 17.07	+ 5 40.4	1.647	2.508	15.1	20.2
8 29	0 11.01	+ 5 34.9	1.580	2.511	11.3	20.0
9 8	0 2.82	+ 5 13.6	1.535	2.514	7.0	19.8
9 18	23 53.28	+ 4 39.5	1.516	2.516	2.8	19.5
9 28	23 43.50	+ 3 57.5	1.523	2.518	3.6	19.6
10 8	23 34.63	+ 3 14.3	1.558	2.520	7.9	19.8
10 18	23 27.62	+ 2 36.2	1.618	2.521	12.0	20.1
10 28	23 23.13	+ 2 8.5	1.701	2.523	15.5	20.3

53659 2000 DP_{57} 9 20.3 59.°32 1.°0/21.3 18

8 19	0 13.19	+ 4 19.9	1.655	2.526	14.5	19.4
8 29	0 7.97	+ 3 46.6	1.609	2.548	10.6	19.2
9 8	0 0.94	+ 2 58.7	1.586	2.569	6.2	19.0
9 18	23 52.90	+ 2 1.1	1.588	2.591	1.8	18.8
9 28	23 44.85	+ 1 0.5	1.617	2.613	3.2	19.0
10 8	23 37.78	+ 0 4.0	1.674	2.634	7.5	19.3
10 18	23 32.46	− 0 42.6	1.755	2.656	11.3	19.5
10 28	23 29.38	− 1 15.3	1.859	2.678	14.5	19.8

485887 2012 FC_{42} 9 20.3 259.°30 0.°9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 8.61	+ 6 42.6	2.418	3.269	11.2	21.7
8 29	0 4.46	+ 5 34.5	2.328	3.256	8.3	21.5
9 8	23 58.95	+ 4 11.0	2.264	3.243	5.0	21.3
9 18	23 52.54	+ 2 36.2	2.228	3.230	1.6	21.0
9 28	23 45.90	+ 0 56.0	2.222	3.217	2.6	21.0
10 8	23 39.74	− 0 42.6	2.246	3.203	6.1	21.3
10 18	23 34.68	− 2 13.1	2.297	3.190	9.4	21.4
10 28	23 31.25	− 3 30.3	2.374	3.176	12.3	21.6

521943 2015 VF_{72} 9 20.3 262.°58 5.°0/13.6 18

8 19	0 9.93	−15 10.6	2.391	3.286	9.7	21.2
8 29	0 5.40	−16 28.7	2.330	3.278	7.2	21.0
9 8	23 59.45	−17 45.2	2.295	3.270	5.4	20.9
9 18	23 52.63	−18 53.9	2.288	3.262	5.2	20.9
9 28	23 45.64	−19 48.8	2.309	3.253	7.0	21.0
10 8	23 39.21	−20 25.9	2.356	3.245	9.4	21.1
10 18	23 33.98	−20 43.3	2.426	3.237	11.9	21.3
10 28	23 30.45	−20 41.0	2.517	3.228	14.0	21.4

388874 2008 RB_{21} 9 20.3 292.°94 1.°1/22.7 16

8 19	0 3.55	+ 7 28.0	4.364	5.198	6.9	21.2
8 29	0 0.31	+ 6 52.3	4.278	5.193	5.2	21.1
9 8	23 56.38	+ 6 8.9	4.218	5.189	3.3	20.9
9 18	23 52.03	+ 5 19.6	4.186	5.184	1.5	20.8
9 28	23 47.60	+ 4 26.9	4.186	5.179	1.6	20.8
10 8	23 43.42	+ 3 33.4	4.215	5.175	3.4	20.9
10 18	23 39.81	+ 2 42.0	4.274	5.170	5.3	21.1
10 28	23 37.05	+ 1 55.1	4.360	5.166	7.0	21.2

911 Agamemnon 9 20.3 310.°36 2.°2/24.4 18

8 19	0 7.47	+11 17.2	4.270	5.078	7.5	15.1
8 29	0 3.12	+11 26.2	4.181	5.074	5.9	15.0
9 8	23 57.98	+11 27.1	4.118	5.069	4.2	14.9
9 18	23 52.34	+11 20.6	4.083	5.065	2.6	14.8
9 28	23 46.59	+11 8.1	4.077	5.061	2.4	14.7
10 8	23 41.10	+10 51.4	4.101	5.057	3.7	14.8
10 18	23 36.24	+10 32.7	4.155	5.053	5.4	14.9
10 28	23 32.33	+10 14.6	4.235	5.049	7.1	15.1

520571 2014 NC_{70} 9 20.3 192.°92 4.°2/25.2 18

8 19	0 11.92	+14 17.3	2.338	3.149	12.8	21.4
8 29	0 6.88	+14 19.7	2.257	3.148	10.2	21.2
9 8	0 0.32	+14 5.1	2.199	3.147	7.4	21.0
9 18	23 52.81	+13 34.3	2.167	3.146	4.9	20.9
9 28	23 45.07	+12 50.1	2.163	3.145	4.3	20.8
10 8	23 37.90	+11 57.3	2.187	3.144	6.2	21.0
10 18	23 31.98	+11 1.4	2.238	3.143	9.0	21.1
10 28	23 27.85	+10 8.4	2.313	3.142	11.7	21.3

144872 2004 NN_{12} 9 20.3 32.°17 6.°2/13.9 18

8 19	0 11.30	−15 30.1	1.775	2.678	12.0	19.0
8 29	0 6.63	−16 49.2	1.734	2.686	9.0	18.8
9 8	0 0.21	−18 4.4	1.717	2.694	6.6	18.7
9 18	23 52.77	−19 7.9	1.726	2.702	6.4	18.7
9 28	23 45.27	−19 52.6	1.761	2.710	8.4	18.9
10 8	23 38.66	−20 14.5	1.821	2.719	11.3	19.1
10 18	23 33.69	−20 12.8	1.903	2.729	14.0	19.3
10 28	23 30.86	−19 48.8	2.003	2.738	16.4	19.5

149119 2002 DX 9 20.3 99.°94 0.°1/20.3 18

8 19	0 11.13	+ 1 26.0	2.287	3.155	11.1	20.2
8 29	0 6.17	+ 0 46.0	2.228	3.168	8.0	20.0
9 8	23 59.84	− 0 3.3	2.194	3.180	4.5	19.8
9 18	23 52.71	− 0 57.9	2.188	3.192	0.8	19.6
9 28	23 45.50	− 1 52.8	2.211	3.205	2.8	19.7
10 8	23 38.95	− 2 42.7	2.263	3.216	6.3	20.0
10 18	23 33.66	− 3 23.7	2.341	3.228	9.5	20.2
10 28	23 30.07	− 3 52.8	2.443	3.240	12.1	20.4

467545 2007 TD_{41} 9 20.3 19.°98 1.°3/21.3 17

8 19	0 8.81	+ 5 3.3	0.878	1.787	20.4	20.0
8 29	0 5.97	+ 4 25.6	0.837	1.795	15.1	19.7
9 8	0 0.27	+ 3 21.9	0.815	1.804	8.9	19.4
9 18	23 52.82	+ 2 0.1	0.812	1.815	2.6	19.1
9 28	23 45.24	+ 0 32.9	0.831	1.828	4.6	19.3
10 8	23 39.12	− 0 45.8	0.871	1.842	10.7	19.7
10 18	23 35.62	− 1 45.6	0.931	1.857	16.1	20.1
10 28	23 35.35	− 2 20.6	1.009	1.874	20.5	20.4

473506 2015 XC_{136} 9 20.3 277.°63 1.°5/22.2 18

8 19	0 10.00	+ 6 18.9	2.372	3.224	11.4	21.2
8 29	0 5.49	+ 5 56.0	2.287	3.213	8.5	21.0
9 8	23 59.54	+ 5 20.3	2.226	3.203	5.3	20.8
9 18	23 52.68	+ 4 34.5	2.192	3.192	2.2	20.6
9 28	23 45.57	+ 3 42.5	2.187	3.182	2.6	20.6
10 8	23 38.97	+ 2 49.6	2.210	3.171	5.9	20.8
10 18	23 33.52	+ 2 0.6	2.260	3.161	9.2	21.0
10 28	23 29.75	+ 1 20.0	2.335	3.150	12.0	21.2

521707 2015 RM_{264} 9 20.3 24.°68 1.°3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.28	− 2 4.5	1.837	2.724	12.5	21.0
8 29	0 6.61	− 2 50.2	1.776	2.726	8.9	20.8
9 8	0 0.23	− 3 44.7	1.739	2.729	4.9	20.6
9 18	23 52.80	− 4 42.6	1.728	2.732	1.4	20.4
9 28	23 45.22	− 5 37.2	1.745	2.735	4.1	20.6
10 8	23 38.41	− 6 22.6	1.789	2.739	8.1	20.8
10 18	23 33.12	− 6 54.3	1.858	2.742	11.7	21.0
10 28	23 29.90	− 7 9.8	1.948	2.746	14.7	21.3

360057 2013 AK_{92} 9 20.3 341.°90 1.°7/16.8 17

8 19	0 4.25	− 8 8.5	4.178	5.062	6.1	20.3
8 29	0 0.82	− 8 51.9	4.112	5.061	4.3	20.2
9 8	23 56.68	− 9 36.8	4.073	5.060	2.6	20.0
9 18	23 52.11	−10 20.4	4.063	5.059	1.7	20.0
9 28	23 47.46	−11 0.1	4.084	5.058	3.0	20.1
10 8	23 43.10	−11 33.5	4.133	5.057	4.8	20.2
10 18	23 39.35	−11 58.7	4.210	5.056	6.5	20.3
10 28	23 36.50	−12 14.6	4.311	5.056	8.1	20.5

177025 2003 BB_{82} 9 20.3 197.°75 0.°2/20.2 18

8 19	0 12.25	+ 0 36.3	2.561	3.425	10.2	21.5
8 29	0 6.95	+ 0 3.9	2.485	3.422	7.4	21.3
9 8	0 0.30	− 0 36.6	2.434	3.419	4.2	21.1
9 18	23 52.82	− 1 21.9	2.411	3.415	0.8	20.8
9 28	23 45.17	− 2 7.9	2.418	3.411	2.7	21.0
10 8	23 38.04	− 2 49.9	2.454	3.406	6.0	21.2
10 18	23 32.03	− 3 24.4	2.518	3.400	9.1	21.4
10 28	23 27.64	− 3 48.4	2.606	3.395	11.7	21.5

319778 2006 UX_{278} 9 20.4 66.°90 2.°4/22.3 17

8 19	0 16.12	+ 7 22.1	1.307	2.177	17.7	20.6
8 29	0 10.46	+ 6 58.4	1.264	2.198	13.2	20.4
9 8	0 2.50	+ 6 13.6	1.240	2.220	8.2	20.2
9 18	23 53.25	+ 5 12.5	1.241	2.241	3.4	20.0
9 28	23 43.99	+ 4 3.3	1.267	2.263	3.9	20.0
10 8	23 36.03	+ 2 55.6	1.319	2.284	8.5	20.4
10 18	23 30.28	+ 1 57.4	1.395	2.306	12.9	20.7
10 28	23 27.31	+ 1 14.6	1.491	2.327	16.6	21.0

439655 2014 HU_{33} 9 20.4 299.°75 3.°7/16.6 18

8 19	0 11.42	− 7 23.7	1.680	2.580	12.8	20.7
8 29	0 7.02	− 8 34.3	1.608	2.565	9.2	20.5
9 8	0 0.62	− 9 51.5	1.561	2.550	5.5	20.2
9 18	23 52.92	−11 7.5	1.539	2.535	3.8	20.1
9 28	23 44.88	−12 13.8	1.544	2.521	6.5	20.2
10 8	23 37.58	−13 3.1	1.575	2.507	10.4	20.4
10 18	23 31.93	−13 31.2	1.628	2.492	14.1	20.6
10 28	23 28.60	−13 36.4	1.702	2.479	17.3	20.8

342596 2008 UP_{302} 9 20.4 293.°27 0.°4/20.7 16

8 19	0 14.04	+ 2 1.2	1.681	2.557	14.0	21.9
8 29	0 9.11	+ 1 39.0	1.587	2.529	10.4	21.6
9 8	0 1.96	+ 1 2.7	1.514	2.500	6.1	21.3
9 18	23 53.21	+ 0 15.8	1.468	2.471	1.4	20.9
9 28	23 43.86	− 0 35.6	1.448	2.442	3.7	21.0
10 8	23 35.09	− 1 24.5	1.454	2.413	8.6	21.2
10 18	23 27.96	− 2 4.2	1.486	2.384	13.1	21.4
10 28	23 23.31	− 2 29.4	1.538	2.355	17.1	21.6

475966 2007 JV 9 20.4 14.°86 13.°5/ 7.1 18

8 19	0 11.77	−28 42.4	1.233	2.138	16.1	19.9
8 29	0 7.73	−30 54.5	1.213	2.142	14.1	19.8
9 8	0 1.10	−32 44.1	1.214	2.147	13.5	19.8
9 18	23 52.98	−33 58.3	1.235	2.153	14.4	19.8
9 28	23 44.85	−34 29.3	1.276	2.160	16.3	20.0
10 8	23 38.13	−34 16.3	1.336	2.168	18.7	20.2
10 18	23 33.80	−33 23.8	1.411	2.177	20.9	20.4
10 28	23 32.41	−31 59.0	1.501	2.187	22.9	20.6

155737 2000 SK_{6} 9 20.4 347.°02 13.°0/13.0 18

8 19	0 22.42	−28 44.6	1.177	2.071	17.5	18.5
8 29	0 15.64	−29 25.8	1.131	2.060	14.9	18.3
9 8	0 5.70	−29 44.3	1.105	2.051	13.2	18.1
9 18	23 53.88	−29 28.7	1.099	2.043	13.2	18.1
9 28	23 42.01	−28 32.5	1.114	2.036	15.0	18.2
10 8	23 31.87	−26 56.7	1.151	2.030	17.8	18.4
10 18	23 24.71	−24 48.2	1.206	2.026	20.8	18.6
10 28	23 21.14	−22 16.2	1.277	2.024	23.5	18.8

469313 1999 TH_{46} 9 20.4 265.°86 2.°1/18.2 18

8 19	0 14.14	− 6 30.6	2.172	3.056	11.0	21.2
8 29	0 8.48	− 6 54.5	2.104	3.053	7.8	21.0
9 8	0 1.23	− 7 21.7	2.061	3.050	4.5	20.8
9 18	23 53.02	− 7 48.0	2.046	3.047	2.1	20.6
9 28	23 44.64	− 8 8.9	2.060	3.044	4.3	20.8
10 8	23 36.93	− 8 20.6	2.101	3.041	7.7	21.0
10 18	23 30.61	− 8 20.5	2.168	3.038	10.9	21.2
10 28	23 26.20	− 8 7.5	2.258	3.035	13.6	21.4

67996 2000 XX_{28} 9 20.4 28.°42 3.°6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.74	− 7 47.4	0.999	1.912	18.1	17.3
8 29	0 12.85	− 7 57.1	0.961	1.923	13.0	17.1
9 8	0 4.04	− 8 10.2	0.942	1.934	7.5	16.8
9 18	23 53.55	− 8 19.1	0.946	1.947	3.6	16.7
9 28	23 43.11	− 8 16.8	0.973	1.961	6.9	16.9
10 8	23 34.36	− 7 58.6	1.022	1.976	12.0	17.3
10 18	23 28.42	− 7 23.3	1.092	1.991	16.7	17.6
10 28	23 25.89	− 6 31.8	1.180	2.008	20.6	17.9

424535 2008 ET_{111} 9 20.4 134.°79 2.°2/18.4 17

8 19	0 16.43	− 3 56.8	1.674	2.561	13.5	21.5
8 29	0 10.40	− 4 49.1	1.620	2.570	9.6	21.3
9 8	0 2.41	− 5 49.0	1.590	2.579	5.4	21.1
9 18	23 53.25	− 6 49.8	1.586	2.588	2.2	20.9
9 28	23 43.98	− 7 44.1	1.610	2.596	5.0	21.1
10 8	23 35.70	− 8 25.6	1.661	2.604	9.1	21.4
10 18	23 29.23	− 8 50.6	1.737	2.612	12.8	21.6
10 28	23 25.17	− 8 57.3	1.833	2.618	16.0	21.9

95199 2002 BD_{19} 9 20.4 59.°66 3.°4/16.3 18

8 19	0 10.10	− 7 30.0	1.936	2.832	11.5	19.1
8 29	0 5.64	− 8 51.6	1.890	2.844	8.1	18.9
9 8	23 59.62	−10 16.9	1.868	2.857	4.9	18.7
9 18	23 52.70	−11 38.7	1.874	2.869	3.5	18.7
9 28	23 45.72	−12 49.5	1.908	2.882	5.8	18.9
10 8	23 39.50	−13 43.9	1.969	2.894	9.0	19.1
10 18	23 34.73	−14 18.7	2.054	2.907	12.1	19.3
10 28	23 31.87	−14 33.1	2.159	2.920	14.6	19.5

514233 2015 OC_{87} 9 20.4 144.°86 0.°7/21.1 18

8 19	0 16.56	+ 2 11.2	2.150	3.009	12.1	21.2
8 29	0 10.19	+ 2 6.7	2.084	3.016	8.8	21.0
9 8	0 2.20	+ 1 52.8	2.041	3.023	5.2	20.8
9 18	23 53.21	+ 1 32.0	2.026	3.029	1.4	20.5
9 28	23 44.08	+ 1 8.2	2.041	3.035	2.8	20.7
10 8	23 35.68	+ 0 45.8	2.084	3.041	6.6	20.9
10 18	23 28.74	+ 0 28.6	2.155	3.046	10.0	21.1
10 28	23 23.79	+ 0 19.6	2.249	3.051	12.8	21.3

346618 2008 WH_{92} 9 20.4 287.°57 3.°0/17.8 18

8 19	0 14.46	− 6 33.6	1.673	2.567	13.1	20.9
8 29	0 9.22	− 7 16.4	1.599	2.553	9.4	20.7
9 8	0 1.89	− 8 5.2	1.549	2.539	5.5	20.4
9 18	23 53.18	− 8 53.5	1.525	2.524	3.0	20.2
9 28	23 44.12	− 9 34.1	1.527	2.510	5.7	20.4
10 8	23 35.83	−10 1.0	1.556	2.496	9.8	20.6
10 18	23 29.28	−10 10.5	1.608	2.482	13.8	20.8
10 28	23 25.17	−10 1.0	1.681	2.468	17.1	21.0

383140 2005 UN_{103} 9 20.4 279.°05 1.°5/19.1 18

8 19	0 14.01	− 2 1.3	1.608	2.496	13.9	21.5
8 29	0 9.00	− 2 44.4	1.530	2.481	10.0	21.2
9 8	0 1.83	− 3 38.7	1.475	2.465	5.6	21.0
9 18	23 53.18	− 4 38.4	1.445	2.449	1.6	20.6
9 28	23 44.11	− 5 35.9	1.443	2.433	4.7	20.8
10 8	23 35.80	− 6 23.7	1.466	2.417	9.4	21.1
10 18	23 29.26	− 6 56.0	1.513	2.400	13.7	21.3
10 28	23 25.22	− 7 9.6	1.581	2.384	17.3	21.5

460219 2014 QF_{204} 9 20.4 337.°92 0.°1/20.3 15

8 19	0 8.83	+ 1 42.8	1.988	2.866	12.1	21.2
8 29	0 4.84	+ 1 0.9	1.915	2.859	8.8	21.0
9 8	23 59.25	+ 0 7.2	1.865	2.852	5.0	20.8
9 18	23 52.66	− 0 53.9	1.842	2.846	1.0	20.4
9 28	23 45.84	− 1 56.5	1.847	2.841	3.2	20.6
10 8	23 39.64	− 2 54.2	1.879	2.835	7.2	20.9
10 18	23 34.78	− 3 41.7	1.936	2.831	10.8	21.1
10 28	23 31.82	− 4 15.0	2.016	2.826	13.8	21.3

323620 2004 VH_{39} 9 20.4 357.°56 3.°9/16.8 18

8 19	0 11.12	− 9 20.6	1.654	2.557	12.7	19.7
8 29	0 6.69	−10 5.1	1.597	2.554	9.1	19.5
9 8	0 0.36	−10 51.9	1.563	2.552	5.6	19.3
9 18	23 52.87	−11 34.2	1.555	2.550	3.9	19.2
9 28	23 45.20	−12 5.5	1.572	2.550	6.4	19.3
10 8	23 38.40	−12 20.7	1.615	2.550	10.0	19.5
10 18	23 33.28	−12 17.5	1.681	2.551	13.5	19.7
10 28	23 30.43	−11 55.4	1.767	2.552	16.5	20.0

295490 2008 RD_{18} 9 20.4 330.°14 1.°1/22.6 16

8 19	0 4.38	+ 6 39.0	4.052	4.891	7.3	20.6
8 29	0 0.96	+ 6 15.9	3.969	4.888	5.5	20.5
9 8	23 56.79	+ 5 45.2	3.911	4.884	3.5	20.3
9 18	23 52.16	+ 5 8.8	3.882	4.880	1.5	20.2
9 28	23 47.44	+ 4 28.8	3.882	4.876	1.7	20.2
10 8	23 42.99	+ 3 47.9	3.913	4.873	3.6	20.3
10 18	23 39.17	+ 3 8.9	3.972	4.869	5.6	20.5
10 28	23 36.27	+ 2 34.2	4.057	4.866	7.4	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
329210 2012 DF_{58}			9 20.4 262°.01		1°.0/18.9 18	
	h m	° ′			°	m
8 19	0 8.91	− 0 4.7	2.384	3.259	10.5	20.5
8 29	0 4.72	− 1 20.6	2.300	3.245	7.5	20.3
9 8	23 59.13	− 2 47.3	2.242	3.231	4.1	20.1
9 18	23 52.63	− 4 19.6	2.212	3.216	1.1	19.8
9 28	23 45.90	− 5 51.1	2.213	3.201	3.5	20.0
10 8	23 39.64	− 7 15.1	2.242	3.186	7.0	20.2
10 18	23 34.50	− 8 26.4	2.298	3.171	10.2	20.4
10 28	23 30.99	− 9 21.2	2.377	3.156	13.0	20.5
490131 2008 UM_{119}			9 20.4 350°.43		1°.6/19.4 16	
8 19	0 12.95	− 4 14.3	1.082	1.995	17.1	21.0
8 29	0 8.87	− 4 9.9	1.021	1.983	12.4	20.7
9 8	0 1.99	− 4 13.2	0.981	1.974	7.0	20.4
9 18	23 53.22	− 4 19.2	0.962	1.966	1.8	20.0
9 28	23 44.05	− 4 21.0	0.966	1.959	5.4	20.2
10 8	23 36.06	− 4 12.6	0.993	1.955	11.1	20.5
10 18	23 30.52	− 3 50.2	1.040	1.952	16.2	20.8
10 28	23 28.24	− 3 12.1	1.106	1.952	20.4	21.1
470559 2008 FZ_{54}			9 20.4 72°.15		0°.1/20.3 17	
8 19	0 15.22	+ 2 14.7	1.410	2.293	15.8	21.4
8 29	0 9.67	+ 1 26.3	1.368	2.314	11.4	21.2
9 8	0 2.01	+ 0 23.2	1.347	2.334	6.5	21.0
9 18	23 53.17	− 0 48.1	1.351	2.355	1.2	20.7
9 28	23 44.34	− 1 58.7	1.382	2.376	4.0	20.9
10 8	23 36.70	− 3 0.3	1.439	2.397	8.8	21.3
10 18	23 31.10	− 3 46.9	1.519	2.417	12.9	21.6
10 28	23 28.08	− 4 15.1	1.621	2.437	16.4	21.9
476947 2008 XZ_{4}			9 20.4 333°.20		0°.1/20.3 18	
8 19	0 13.92	− 1 15.9	1.202	2.103	16.7	20.3
8 29	0 9.58	− 1 3.9	1.126	2.081	12.3	20.0
9 8	0 2.46	− 1 2.4	1.070	2.061	7.1	19.6
9 18	23 53.34	− 1 7.7	1.037	2.041	1.4	19.2
9 28	23 43.59	− 1 14.3	1.028	2.023	4.6	19.4
10 8	23 34.75	− 1 15.8	1.042	2.006	10.4	19.7
10 18	23 28.19	− 1 7.1	1.078	1.991	15.6	19.9
10 28	23 24.83	− 0 44.6	1.132	1.977	20.1	20.2
362911 Miguelhurtado			9 20.4 67°.35		3°.3/16.4 18	
8 19	0 10.03	− 8 3.7	2.127	3.021	10.7	20.0
8 29	0 5.51	− 9 15.0	2.075	3.029	7.6	19.8
9 8	23 59.54	−10 29.5	2.048	3.036	4.6	19.7
9 18	23 52.71	−11 40.7	2.049	3.043	3.3	19.6
9 28	23 45.78	−12 42.4	2.078	3.051	5.4	19.8
10 8	23 39.54	−13 29.5	2.134	3.059	8.5	20.0
10 18	23 34.62	−13 59.2	2.215	3.066	11.4	20.2
10 28	23 31.49	−14 10.5	2.317	3.074	13.8	20.4
182404 2001 RE_{32}			9 20.4 68°.19		3°.0/22.9 18	
8 19	0 15.44	+ 8 51.1	1.409	2.270	17.1	19.5
8 29	0 9.91	+ 8 32.2	1.362	2.290	13.0	19.3
9 8	0 2.20	+ 7 51.9	1.335	2.310	8.3	19.1
9 18	23 53.23	+ 6 54.1	1.332	2.330	3.9	18.9
9 28	23 44.23	+ 5 46.2	1.355	2.350	4.0	19.0
10 8	23 36.39	+ 4 37.1	1.405	2.370	8.1	19.3
10 18	23 30.64	+ 3 35.2	1.478	2.390	12.3	19.6
10 28	23 27.52	+ 2 46.6	1.573	2.410	15.8	19.9
152628 1997 EF_{30}			9 20.4 270°.52		0°.9/19.5 18	
8 19	0 14.67	− 2 55.6	2.168	3.044	11.3	20.5
8 29	0 8.94	− 3 8.6	2.090	3.034	8.2	20.3
9 8	0 1.56	− 3 27.5	2.036	3.024	4.6	20.0
9 18	23 53.13	− 3 48.9	2.011	3.014	1.1	19.8
9 28	23 44.44	− 4 8.6	2.014	3.005	3.5	19.9
10 8	23 36.37	− 4 22.6	2.045	2.995	7.2	20.2
10 18	23 29.68	− 4 27.6	2.103	2.985	10.6	20.4
10 28	23 24.92	− 4 21.7	2.184	2.975	13.5	20.5
83080 2001 QG_{223}			9 20.4 338°.28		3°.3/17.0 18	
8 19	0 11.01	− 6 41.3	1.737	2.635	12.5	19.6
8 29	0 6.57	− 7 48.0	1.676	2.631	8.9	19.4
9 8	0 0.30	− 9 0.7	1.638	2.628	5.2	19.2
9 18	23 52.88	−10 12.0	1.627	2.625	3.3	19.1
9 28	23 45.26	−11 14.1	1.643	2.622	5.9	19.2
10 8	23 38.42	−12 0.5	1.685	2.620	9.7	19.5
10 18	23 33.18	−12 27.5	1.751	2.618	13.2	19.7
10 28	23 30.12	−12 33.6	1.837	2.616	16.2	19.9
151625 2002 WP_{7}			9 20.4 313°.56		0°.1/20.4 18	
8 19	0 12.14	+ 1 39.4	1.306	2.199	16.2	20.5
8 29	0 8.06	+ 1 7.1	1.230	2.181	11.9	20.2
9 8	0 1.48	+ 0 17.5	1.175	2.164	6.9	19.8
9 18	23 53.15	− 0 44.1	1.143	2.148	1.3	19.4
9 28	23 44.29	− 1 49.4	1.137	2.131	4.4	19.6
10 8	23 36.30	− 2 48.6	1.154	2.116	9.9	19.9
10 18	23 30.36	− 3 33.7	1.194	2.101	15.0	20.1
10 28	23 27.33	− 3 59.1	1.253	2.087	19.2	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
327128 2005 EM_{150}			9 20.4 183°.04		2°.5/18.1 18	
	h m	° ′			°	m
8 19	0 16.61	− 4 44.9	1.726	2.612	13.2	21.4
8 29	0 10.60	− 5 41.3	1.663	2.613	9.4	21.2
9 8	0 2.58	− 6 45.0	1.624	2.614	5.3	21.0
9 18	23 53.32	− 7 49.4	1.612	2.613	2.5	20.8
9 28	23 43.86	− 8 46.8	1.628	2.612	5.3	21.0
10 8	23 35.27	− 9 30.8	1.671	2.611	9.3	21.2
10 18	23 28.46	− 9 57.3	1.739	2.609	13.1	21.4
10 28	23 24.04	−10 4.8	1.827	2.606	16.3	21.7
245352 2005 EJ_{247}			9 20.4 88°.96		0°.6/19.8 18	
8 19	0 16.38	− 1 19.7	1.882	2.758	12.8	20.5
8 29	0 10.12	− 1 40.8	1.832	2.776	9.2	20.3
9 8	0 2.15	− 2 9.7	1.806	2.794	5.1	20.1
9 18	23 53.22	− 2 42.1	1.808	2.812	1.0	19.9
9 28	23 44.26	− 3 13.1	1.837	2.829	3.5	20.1
10 8	23 36.23	− 3 37.7	1.895	2.847	7.5	20.4
10 18	23 29.85	− 3 52.5	1.978	2.864	11.0	20.7
10 28	23 25.63	− 3 55.2	2.083	2.880	13.9	20.9
72065 2000 YM_{20}			9 20.4 291°.79		4°.0/23.4 18	
8 19	0 14.13	+ 9 45.9	1.385	2.245	17.4	19.3
8 29	0 9.55	+ 9 46.5	1.298	2.225	13.6	19.0
9 8	0 2.39	+ 9 24.1	1.232	2.204	9.2	18.7
9 18	23 53.35	+ 8 39.3	1.188	2.183	5.0	18.4
9 28	23 43.63	+ 7 37.1	1.170	2.163	4.8	18.3
10 8	23 34.65	+ 6 26.1	1.176	2.142	9.1	18.5
10 18	23 27.70	+ 5 16.4	1.205	2.122	14.0	18.7
10 28	23 23.70	+ 4 17.4	1.255	2.102	18.4	19.0
381787 2009 TU_{25}			9 20.4 343°.58		5°.2/25.6 18	
8 19	0 6.35	+16 19.4	1.247	2.098	19.5	20.5
8 29	0 3.89	+15 30.8	1.174	2.089	15.7	20.2
9 8	23 59.08	+14 5.0	1.119	2.082	11.2	19.9
9 18	23 52.69	+12 4.6	1.086	2.075	6.8	19.7
9 28	23 45.91	+ 9 38.8	1.077	2.069	5.4	19.6
10 8	23 40.06	+ 7 2.9	1.093	2.064	8.9	19.8
10 18	23 36.24	+ 4 33.2	1.132	2.061	13.6	20.0
10 28	23 35.19	+ 2 23.5	1.193	2.058	18.0	20.3
47060 1998 XX_{33}			9 20.4 311°.10		2°.0/18.6 18	
8 19	0 12.23	− 3 39.4	1.594	2.489	13.6	18.7
8 29	0 7.80	− 4 19.4	1.512	2.466	9.8	18.4
9 8	0 1.20	− 5 9.0	1.453	2.444	5.6	18.1
9 18	23 53.12	− 6 2.4	1.419	2.422	2.0	17.8
9 28	23 44.56	− 6 52.1	1.411	2.400	5.1	18.0
10 8	23 36.71	− 7 30.8	1.429	2.379	9.7	18.2
10 18	23 30.57	− 7 53.3	1.471	2.358	14.0	18.4
10 28	23 26.92	− 7 56.6	1.532	2.338	17.7	18.6
441723 2009 BU_{51}			9 20.4 236°.18		2°.1/22.4 18	
8 19	0 14.24	+ 6 29.8	1.913	2.767	13.6	21.5
8 29	0 8.84	+ 6 23.6	1.837	2.764	10.2	21.3
9 8	0 1.59	+ 6 2.9	1.784	2.760	6.5	21.1
9 18	23 53.17	+ 5 29.9	1.757	2.756	2.9	20.8
9 28	23 44.47	+ 4 48.9	1.758	2.752	3.2	20.8
10 8	23 36.48	+ 4 5.7	1.787	2.748	7.0	21.1
10 18	23 30.01	+ 3 26.0	1.841	2.744	10.7	21.3
10 28	23 25.70	+ 2 54.8	1.919	2.740	14.0	21.5
250296 2003 QV_{12}			9 20.4 35°.46		3°.6/18.0 17	
8 19	0 16.23	− 6 15.4	1.104	2.015	17.0	19.7
8 29	0 10.95	− 6 58.7	1.062	2.023	12.2	19.5
9 8	0 2.98	− 7 48.7	1.040	2.032	7.0	19.2
9 18	23 53.43	− 8 36.3	1.041	2.041	3.6	19.1
9 28	23 43.81	− 9 12.2	1.065	2.052	6.9	19.3
10 8	23 35.62	− 9 29.4	1.113	2.062	11.8	19.6
10 18	23 29.95	− 9 25.1	1.182	2.074	16.3	19.9
10 28	23 27.42	− 8 59.3	1.269	2.085	20.0	20.2
213725 2002 VV_{74}			9 20.4 304°.67		0°.4/19.9 18	
8 19	0 10.97	+ 1 4.0	1.818	2.698	13.0	20.3
8 29	0 6.53	+ 0 16.0	1.746	2.692	9.4	20.1
9 8	0 0.30	− 0 44.5	1.698	2.686	5.3	19.8
9 18	23 52.92	− 1 52.6	1.676	2.680	1.0	19.5
9 28	23 45.30	− 3 1.1	1.682	2.675	3.6	19.7
10 8	23 38.38	− 4 3.0	1.715	2.670	7.9	20.0
10 18	23 32.97	− 4 52.6	1.773	2.664	11.7	20.2
10 28	23 29.68	− 5 25.7	1.852	2.659	15.0	20.4
209126 2003 SS_{200}			9 20.4 311°.62		2°.8/18.3 18	
8 19	0 15.14	− 6 22.6	1.502	2.399	14.1	20.1
8 29	0 10.11	− 6 48.3	1.416	2.371	10.3	19.8
9 8	0 2.64	− 7 20.1	1.353	2.343	6.0	19.5
9 18	23 53.42	− 7 52.2	1.314	2.315	2.8	19.2
9 28	23 43.60	− 8 17.3	1.302	2.288	5.9	19.3
10 8	23 34.48	− 8 29.0	1.314	2.261	10.6	19.5
10 18	23 27.26	− 8 23.3	1.349	2.235	15.1	19.7
10 28	23 22.81	− 7 58.5	1.404	2.209	19.1	19.9

250671 2005 OX_7 9 20.4 29°.50 0°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 8.76	+ 2 18.9	1.436	2.327	15.1	20.1
8 29	0 5.09	+ 1 10.6	1.391	2.342	10.8	19.8
9 8	23 59.48	− 0 13.2	1.368	2.357	6.0	19.6
9 18	23 52.75	− 1 44.8	1.370	2.374	1.1	19.3
9 28	23 45.96	− 3 14.5	1.397	2.391	4.0	19.6
10 8	23 40.16	− 4 33.1	1.451	2.409	8.7	19.9
10 18	23 36.14	− 5 34.1	1.528	2.428	12.8	20.2
10 28	23 34.42	− 6 13.7	1.626	2.447	16.1	20.5

89029 2001 TK_{105} 9 20.4 18°.00 1°.7/21.4 18

8 19	0 10.19	+ 3 28.8	0.765	1.684	21.5	18.0
8 29	0 7.24	+ 3 29.4	0.730	1.692	15.9	17.7
9 8	0 1.13	+ 3 6.3	0.711	1.702	9.5	17.4
9 18	23 53.10	+ 2 25.3	0.711	1.714	3.0	17.1
9 28	23 44.97	+ 1 37.1	0.731	1.729	4.9	17.3
10 8	23 38.53	+ 0 53.4	0.771	1.745	11.1	17.7
10 18	23 34.99	+ 0 23.4	0.830	1.763	16.7	18.1
10 28	23 34.96	+ 0 12.9	0.906	1.782	21.2	18.5

480693 2015 PK_{101} 9 20.4 175°.74 0°.6/19.7 18

8 19	0 13.51	− 0 43.3	1.964	2.841	12.3	21.7
8 29	0 8.19	− 1 16.5	1.897	2.841	8.8	21.5
9 8	0 1.17	− 1 58.9	1.854	2.842	5.0	21.2
9 18	23 53.10	− 2 46.0	1.838	2.842	1.0	20.9
9 28	23 44.85	− 3 32.1	1.850	2.842	3.5	21.1
10 8	23 37.32	− 4 11.8	1.890	2.842	7.5	21.4
10 18	23 31.27	− 4 40.7	1.956	2.842	11.1	21.6
10 28	23 27.27	− 4 55.9	2.044	2.842	14.1	21.8

487835 2015 TQ_{77} 9 20.4 315°.82 2°.5/23.4 18

8 19	0 9.34	+ 9 55.7	2.168	3.010	12.6	21.6
8 29	0 5.15	+ 9 27.3	2.089	3.005	9.7	21.4
9 8	23 59.44	+ 8 42.2	2.032	3.001	6.4	21.2
9 18	23 52.77	+ 7 42.9	2.002	2.996	3.3	21.0
9 28	23 45.88	+ 6 34.2	1.999	2.992	3.1	21.0
10 8	23 39.56	+ 5 22.3	2.025	2.988	6.2	21.2
10 18	23 34.51	+ 4 13.4	2.077	2.984	9.5	21.4
10 28	23 31.25	+ 3 13.3	2.153	2.980	12.5	21.6

120716 1997 SM_5 9 20.4 345°.71 0°.8/19.8 18

8 19	0 11.77	− 0 55.5	1.157	2.062	16.8	19.5
8 29	0 7.91	− 1 15.6	1.094	2.052	12.3	19.2
9 8	0 1.43	− 1 49.3	1.052	2.043	6.9	18.9
9 18	23 53.19	− 2 31.0	1.032	2.036	1.3	18.5
9 28	23 44.55	− 3 12.2	1.035	2.030	4.9	18.7
10 8	23 36.99	− 3 44.3	1.062	2.024	10.5	19.0
10 18	23 31.70	− 4 1.0	1.110	2.020	15.5	19.3
10 28	23 29.45	− 3 58.7	1.176	2.018	19.7	19.6

387454 2013 WS_{83} 9 20.4 288°.63 1°.7/21.8 18

8 19	0 13.51	+ 5 42.1	1.520	2.390	15.6	21.1
8 29	0 8.88	+ 5 20.3	1.433	2.370	11.8	20.8
9 8	0 1.92	+ 4 39.5	1.368	2.349	7.3	20.5
9 18	23 53.30	+ 3 42.8	1.327	2.328	2.7	20.1
9 28	23 44.12	+ 2 36.4	1.312	2.308	3.7	20.2
10 8	23 35.64	+ 1 29.0	1.323	2.287	8.7	20.4
10 18	23 28.99	+ 0 29.0	1.358	2.266	13.4	20.6
10 28	23 25.00	− 0 16.5	1.414	2.246	17.6	20.8

514006 2014 JG_{18} 9 20.4 113°.33 2°.1/18.2 18

8 19	0 14.41	− 5 23.1	2.006	2.891	11.7	21.5
8 29	0 8.72	− 6 2.5	1.951	2.900	8.3	21.3
9 8	0 1.41	− 6 46.7	1.920	2.909	4.7	21.1
9 18	23 53.14	− 7 30.4	1.917	2.918	2.1	21.0
9 28	23 44.79	− 8 8.2	1.942	2.927	4.5	21.2
10 8	23 37.24	− 8 35.4	1.995	2.935	8.0	21.4
10 18	23 31.18	− 8 49.2	2.073	2.943	11.3	21.6
10 28	23 27.14	− 8 48.2	2.173	2.952	14.0	21.8

449365 2013 GG_{76} 9 20.4 126°.44 0°.1/20.5 18

8 19	0 12.15	+ 1 39.7	2.370	3.234	10.9	22.2
8 29	0 6.92	+ 1 7.8	2.307	3.244	7.9	22.0
9 8	0 0.33	+ 0 26.9	2.269	3.254	4.5	21.8
9 18	23 52.94	− 0 19.6	2.259	3.263	0.9	21.6
9 28	23 45.44	− 1 7.0	2.278	3.272	2.7	21.7
10 8	23 38.57	− 1 50.6	2.326	3.281	6.1	22.0
10 18	23 32.93	− 2 26.5	2.401	3.289	9.2	22.2
10 28	23 28.98	− 2 51.8	2.500	3.297	11.9	22.4

254857 2005 RT_{33} 9 20.4 18°.76 0°.2/20.5 18

8 19	0 10.91	+ 1 56.7	1.730	2.610	13.5	20.4
8 29	0 6.48	+ 1 23.4	1.669	2.613	9.8	20.1
9 8	0 0.27	+ 0 37.6	1.631	2.617	5.6	19.9
9 18	23 52.95	− 0 16.1	1.618	2.622	1.2	19.6
9 28	23 45.47	− 1 11.4	1.632	2.627	3.4	19.8
10 8	23 38.78	− 2 1.6	1.674	2.633	7.7	20.1
10 18	23 33.69	− 2 41.2	1.739	2.638	11.5	20.3
10 28	23 30.75	− 3 6.4	1.827	2.645	14.8	20.5

408360 2013 GT_{90} 9 20.4 48°.25 1°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.75	− 2 8.3	1.901	2.789	12.1	20.6
8 29	0 5.41	− 3 16.4	1.856	2.807	8.5	20.4
9 8	23 59.53	− 4 32.5	1.836	2.826	4.7	20.2
9 18	23 52.79	− 5 50.2	1.842	2.845	1.7	20.0
9 28	23 46.02	− 7 2.4	1.876	2.864	4.2	20.2
10 8	23 40.04	− 8 2.9	1.938	2.883	7.9	20.5
10 18	23 35.49	− 8 47.5	2.025	2.903	11.2	20.7
10 28	23 32.85	− 9 14.2	2.134	2.922	13.9	21.0

271786 2004 TV_{37} 9 20.4 46°.93 1°.1/19.6 16

8 19	0 15.03	− 1 30.6	1.407	2.299	15.3	20.9
8 29	0 9.67	− 2 1.0	1.359	2.311	10.9	20.7
9 8	0 2.13	− 2 41.8	1.333	2.323	6.1	20.4
9 18	23 53.31	− 3 27.0	1.331	2.335	1.3	20.1
9 28	23 44.43	− 4 9.3	1.356	2.348	4.5	20.4
10 8	23 36.66	− 4 41.9	1.406	2.361	9.2	20.7
10 18	23 30.94	− 5 0.3	1.479	2.375	13.4	21.0
10 28	23 27.84	− 5 2.1	1.573	2.389	16.8	21.3

378189 2006 XD_{29} 9 20.4 256°.13 1°.9/18.8 16

8 19	0 14.58	− 2 37.5	1.536	2.427	14.3	21.6
8 29	0 9.43	− 3 28.1	1.469	2.421	10.3	21.3
9 8	0 2.10	− 4 29.5	1.424	2.414	5.7	21.0
9 18	23 53.34	− 5 34.9	1.405	2.408	1.9	20.8
9 28	23 44.27	− 6 36.1	1.413	2.402	5.0	21.0
10 8	23 36.09	− 7 25.3	1.446	2.395	9.7	21.2
10 18	23 29.78	− 7 57.2	1.503	2.388	13.9	21.5
10 28	23 26.04	− 8 9.2	1.581	2.382	17.4	21.7

56280 Asemo 9 20.4 16°.57 3°.1/23.3 18

8 19	0 7.39	+10 32.6	1.195	2.071	18.5	17.0
8 29	0 4.54	+ 9 45.8	1.141	2.077	14.2	16.8
9 8	23 59.39	+ 8 30.2	1.107	2.084	9.2	16.5
9 18	23 52.81	+ 6 51.4	1.094	2.092	4.4	16.3
9 28	23 46.03	+ 4 59.9	1.106	2.102	4.1	16.3
10 8	23 40.33	+ 3 8.9	1.142	2.113	8.7	16.6
10 18	23 36.69	+ 1 30.3	1.201	2.124	13.5	16.9
10 28	23 35.73	+ 0 12.7	1.280	2.137	17.5	17.2

367748 2010 VW_{72} 9 20.4 214°.96 5°.3/13.7 18

8 19	0 14.00	−18 46.4	2.625	3.509	9.3	21.4
8 29	0 8.24	−19 37.9	2.565	3.503	7.2	21.3
9 8	0 1.10	−20 24.8	2.531	3.496	5.6	21.2
9 18	23 53.12	−21 1.7	2.525	3.490	5.5	21.2
9 28	23 45.02	−21 24.4	2.547	3.482	6.9	21.3
10 8	23 37.51	−21 30.1	2.596	3.475	9.1	21.4
10 18	23 31.23	−21 18.3	2.670	3.467	11.3	21.5
10 28	23 26.63	−20 49.7	2.764	3.459	13.2	21.7

69514 1997 EQ_{46} 9 20.4 261°.96 0°.7/19.8 18

8 19	0 18.19	− 2 11.8	2.045	2.916	12.1	19.6
8 29	0 11.75	− 2 22.7	1.953	2.894	8.8	19.4
9 8	0 3.35	− 2 40.7	1.885	2.871	5.0	19.1
9 18	23 53.60	− 3 2.4	1.844	2.848	1.1	18.8
9 28	23 43.41	− 3 23.3	1.833	2.825	3.6	18.9
10 8	23 33.78	− 3 38.8	1.850	2.800	7.8	19.1
10 18	23 25.63	− 3 45.3	1.894	2.776	11.6	19.3
10 28	23 19.66	− 3 40.1	1.961	2.751	14.9	19.5

345438 2006 DF_{155} 9 20.4 283°.81 1°.8/22.0 18

8 19	0 13.19	+ 5 56.6	1.695	2.559	14.5	21.2
8 29	0 8.30	+ 5 35.8	1.621	2.554	10.9	21.0
9 8	0 1.41	+ 4 58.3	1.569	2.548	6.8	20.7
9 18	23 53.22	+ 4 7.4	1.542	2.543	2.6	20.4
9 28	23 44.72	+ 3 8.8	1.542	2.538	3.4	20.5
10 8	23 36.99	+ 2 10.0	1.570	2.533	7.7	20.7
10 18	23 30.93	+ 1 17.8	1.622	2.527	11.8	21.0
10 28	23 27.21	+ 0 37.9	1.696	2.522	15.3	21.2

477304 2009 SM_{225} 9 20.4 124°.01 1°.5/21.8 16

8 19	0 17.14	+ 5 10.6	1.703	2.564	14.7	21.9
8 29	0 10.97	+ 4 52.7	1.644	2.575	10.9	21.7
9 8	0 2.81	+ 4 19.7	1.607	2.587	6.6	21.5
9 18	23 53.47	+ 3 35.1	1.597	2.598	2.4	21.3
9 28	23 44.00	+ 2 44.8	1.614	2.609	3.3	21.3
10 8	23 35.48	+ 1 55.5	1.658	2.619	7.6	21.6
10 18	23 28.77	+ 1 13.1	1.729	2.629	11.5	21.9
10 28	23 24.46	+ 0 42.4	1.821	2.638	14.8	22.1

76441 2000 FB_{31} 9 20.4 74°.13 4°.7/16.2 18

8 19	0 16.39	−12 32.9	1.785	2.680	12.4	18.5
8 29	0 10.23	−13 20.1	1.745	2.696	9.0	18.4
9 8	0 2.27	−14 5.3	1.730	2.712	5.9	18.2
9 18	23 53.35	−14 42.1	1.741	2.729	4.8	18.2
9 28	23 44.45	−15 4.6	1.779	2.745	6.8	18.4
10 8	23 36.57	−15 9.6	1.843	2.762	10.0	18.6
10 18	23 30.46	−14 56.2	1.930	2.778	13.0	18.8
10 28	23 26.61	−14 25.5	2.039	2.794	15.5	19.0

166035 2002 BC_{20} 9 20.4 181°.64 0°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.42	+ 1 22.1	1.562	2.440	14.8	20.5
8 29	0 10.69	+ 0 39.5	1.497	2.441	10.8	20.3
9 8	0 2.78	− 0 17.2	1.454	2.441	6.1	20.0
9 18	23 53.48	− 1 22.5	1.437	2.441	1.1	19.7
9 28	23 43.93	− 2 28.4	1.447	2.441	4.0	19.9
10 8	23 35.32	− 3 27.1	1.484	2.440	8.8	20.2
10 18	23 28.61	− 4 12.2	1.545	2.438	13.1	20.4
10 28	23 24.47	− 4 39.8	1.628	2.436	16.7	20.7

279756 1998 WE_{42} 9 20.4 331°.80 2°.4/22.5 18

8 19	0 10.18	+ 7 19.4	1.504	2.374	15.7	20.0
8 29	0 6.38	+ 7 2.1	1.427	2.362	12.0	19.8
9 8	0 0.44	+ 6 24.8	1.371	2.350	7.6	19.5
9 18	23 53.04	+ 5 30.5	1.339	2.338	3.4	19.2
9 28	23 45.25	+ 4 25.2	1.332	2.328	3.7	19.2
10 8	23 38.23	+ 3 17.5	1.351	2.318	8.2	19.4
10 18	23 32.97	+ 2 15.8	1.394	2.309	12.6	19.7
10 28	23 30.23	+ 1 27.2	1.458	2.300	16.5	19.9

194996 2002 BH_{16} 9 20.4 193°.93 1°.6/22.1 18

8 19	0 14.34	+ 6 23.0	2.147	2.995	12.5	21.1
8 29	0 8.76	+ 5 57.7	2.068	2.993	9.4	20.9
9 8	0 1.52	+ 5 18.4	2.014	2.990	5.8	20.7
9 18	23 53.24	+ 4 27.9	1.987	2.987	2.3	20.4
9 28	23 44.72	+ 3 31.1	1.989	2.984	2.9	20.5
10 8	23 36.83	+ 2 33.7	2.020	2.979	6.5	20.7
10 18	23 30.33	+ 1 41.4	2.077	2.975	10.0	20.9
10 28	23 25.77	+ 0 58.9	2.159	2.969	13.0	21.1

328781 2009 UP_{137} 9 20.4 346°.03 7°.1/28.9 18

8 19	0 11.15	+22 40.0	2.225	2.990	14.8	20.2
8 29	0 6.58	+23 3.2	2.143	2.988	12.6	20.1
9 8	0 0.34	+23 4.4	2.080	2.985	10.2	19.9
9 18	23 53.01	+22 42.2	2.041	2.983	8.1	19.8
9 28	23 45.40	+21 58.3	2.027	2.982	7.1	19.7
10 8	23 38.37	+20 57.2	2.039	2.980	7.8	19.8
10 18	23 32.69	+19 45.2	2.077	2.979	9.8	19.9
10 28	23 28.95	+18 30.1	2.140	2.978	12.1	20.1

514849 2008 EU_{67} 9 20.4 74°.03 2°.5/22.7 18

8 19	0 15.25	+ 7 0.3	2.035	2.882	13.1	21.1
8 29	0 9.40	+ 7 9.9	1.970	2.891	10.0	20.9
9 8	0 1.86	+ 7 6.3	1.928	2.900	6.4	20.7
9 18	23 53.30	+ 6 51.0	1.912	2.909	3.1	20.5
9 28	23 44.58	+ 6 27.6	1.925	2.918	3.3	20.6
10 8	23 36.62	+ 6 0.6	1.966	2.927	6.5	20.8
10 18	23 30.15	+ 5 34.8	2.034	2.937	9.9	21.0
10 28	23 25.72	+ 5 14.6	2.125	2.946	12.8	21.2

55177 2001 QM_{263} 9 20.4 296°.85 0°.0/20.4 18

8 19	0 12.43	+ 1 2.0	1.947	2.821	12.5	19.0
8 29	0 7.50	+ 0 35.2	1.874	2.816	9.1	18.8
9 8	0 0.86	− 0 2.3	1.825	2.811	5.2	18.6
9 18	23 53.12	− 0 46.5	1.802	2.806	1.0	18.3
9 28	23 45.13	− 1 32.2	1.807	2.801	3.2	18.4
10 8	23 37.82	− 2 13.6	1.839	2.796	7.3	18.7
10 18	23 31.96	− 2 45.9	1.897	2.791	11.0	18.9
10 28	23 28.15	− 3 5.5	1.978	2.786	14.2	19.1

339175 2004 TC_{110} 9 20.4 319°.17 2°.8/17.9 18

8 19	0 10.37	− 3 38.3	1.417	2.320	14.5	19.6
8 29	0 6.60	− 4 48.7	1.347	2.305	10.4	19.3
9 8	0 0.60	− 6 11.4	1.299	2.291	5.9	19.0
9 18	23 53.09	− 7 38.2	1.275	2.276	2.8	18.8
9 28	23 45.19	− 8 58.6	1.277	2.263	6.0	19.0
10 8	23 38.11	−10 3.4	1.304	2.250	10.8	19.2
10 18	23 32.90	−10 46.0	1.353	2.237	15.1	19.4
10 28	23 30.30	−11 3.6	1.421	2.225	18.9	19.7

309638 2008 CL_{178} 9 20.4 276°.50 0°.3/20.7 18

8 19	0 14.56	+ 1 10.1	1.981	2.851	12.5	20.9
8 29	0 9.10	+ 0 59.5	1.899	2.838	9.2	20.7
9 8	0 1.81	+ 0 38.9	1.840	2.825	5.4	20.4
9 18	23 53.31	+ 0 11.3	1.808	2.812	1.2	20.1
9 28	23 44.49	− 0 18.8	1.804	2.799	3.1	20.2
10 8	23 36.28	− 0 46.3	1.828	2.785	7.3	20.5
10 18	23 29.54	− 1 6.9	1.878	2.772	11.1	20.7
10 28	23 24.90	− 1 16.9	1.951	2.759	14.3	20.9

337328 2001 DU_{40} 9 20.4 316°.53 4°.4/16.3 18

8 19	0 9.69	− 5 31.9	1.336	2.246	14.7	19.7
8 29	0 6.56	− 7 8.2	1.241	2.202	10.7	19.4
9 8	0 0.88	− 9 2.0	1.167	2.159	6.4	19.0
9 18	23 53.21	−11 3.6	1.118	2.115	4.5	18.8
9 28	23 44.66	−12 59.4	1.093	2.072	8.2	18.8
10 8	23 36.64	−14 35.8	1.093	2.029	13.4	19.0
10 18	23 30.49	−15 42.9	1.113	1.987	18.5	19.2
10 28	23 27.31	−16 15.8	1.149	1.945	22.9	19.3

435149 2007 HX_{75} 9 20.4 122°.71 1°.1/21.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.36	+ 5 32.7	1.921	2.778	13.4	22.0
8 29	0 8.78	+ 4 52.2	1.862	2.792	9.9	21.8
9 8	0 1.50	+ 3 57.0	1.826	2.806	5.9	21.6
9 18	23 53.23	+ 2 51.5	1.817	2.819	1.9	21.4
9 28	23 44.87	+ 1 41.9	1.837	2.832	3.0	21.5
10 8	23 37.33	+ 0 35.0	1.885	2.844	6.9	21.8
10 18	23 31.34	− 0 23.3	1.959	2.856	10.5	22.0
10 28	23 27.43	− 1 8.4	2.057	2.867	13.6	22.2

174252 2002 RN_{186} 9 20.4 67°.22 4°.2/24.8 18

8 19	0 11.99	+13 28.9	1.804	2.635	15.2	20.0
8 29	0 7.27	+13 13.8	1.738	2.643	12.0	19.8
9 8	0 0.75	+12 37.0	1.692	2.650	8.4	19.6
9 18	23 53.10	+11 40.7	1.672	2.658	5.2	19.5
9 28	23 45.27	+10 29.7	1.677	2.666	4.4	19.4
10 8	23 38.24	+ 9 11.6	1.710	2.674	7.1	19.6
10 18	23 32.80	+ 7 54.5	1.769	2.682	10.5	19.8
10 28	23 29.54	+ 6 45.5	1.852	2.690	13.7	20.1

15524 1999 XO_{175} 9 20.4 98°.49 4°.8/25.1 18

8 19	0 16.24	+13 48.2	1.945	2.762	14.8	17.4
8 29	0 10.24	+14 8.3	1.879	2.774	11.8	17.2
9 8	0 2.40	+14 9.5	1.836	2.785	8.5	17.0
9 18	23 53.43	+13 52.2	1.817	2.797	5.7	16.9
9 28	23 44.28	+13 19.2	1.826	2.808	5.0	16.9
10 8	23 35.93	+12 36.0	1.862	2.819	7.2	17.0
10 18	23 29.19	+11 48.8	1.924	2.830	10.2	17.2
10 28	23 24.66	+11 4.2	2.010	2.840	13.1	17.4

507924 2014 XH_{38} 9 20.4 116°.42 5°.7/25.8 17

8 19	0 18.25	+16 1.0	1.798	2.606	16.2	21.3
8 29	0 11.78	+16 16.1	1.736	2.623	13.0	21.2
9 8	0 3.30	+16 8.8	1.696	2.639	9.6	21.0
9 18	23 53.61	+15 39.3	1.679	2.654	6.6	20.8
9 28	23 43.76	+14 51.0	1.690	2.669	5.7	20.8
10 8	23 34.85	+13 50.7	1.728	2.684	7.7	21.0
10 18	23 27.76	+12 46.0	1.792	2.698	10.8	21.2
10 28	23 23.10	+11 44.9	1.879	2.711	13.8	21.4

514455 2016 UM_{86} 9 20.4 255°.14 1°.7/18.9 18

8 19	0 15.20	− 3 53.5	1.833	2.717	12.7	21.5
8 29	0 9.59	− 4 22.5	1.763	2.711	9.1	21.3
9 8	0 2.09	− 4 58.3	1.717	2.706	5.1	21.1
9 18	23 53.38	− 5 36.0	1.697	2.700	1.7	20.8
9 28	23 44.43	− 6 9.9	1.706	2.694	4.4	21.0
10 8	23 36.23	− 6 34.6	1.741	2.688	8.4	21.2
10 18	23 29.66	− 6 46.4	1.802	2.682	12.2	21.5
10 28	23 25.33	− 6 43.4	1.884	2.676	15.3	21.7

289652 2005 GB_{114} 9 20.4 215°.52 7°.4/11.8 18

8 19	0 15.86	−22 28.0	2.152	3.036	11.1	20.7
8 29	0 9.88	−23 43.0	2.100	3.031	8.9	20.5
9 8	0 2.16	−24 49.8	2.073	3.024	7.6	20.4
9 18	23 53.38	−25 41.2	2.072	3.018	7.8	20.4
9 28	23 44.45	−26 11.4	2.097	3.011	9.4	20.5
10 8	23 36.29	−26 17.5	2.147	3.003	11.6	20.7
10 18	23 29.68	−25 59.5	2.220	2.996	13.9	20.8
10 28	23 25.17	−25 19.7	2.311	2.987	15.9	21.0

482217 2010 WO_{52} 9 20.4 291°.45 7°.9/11.4 18

8 19	0 14.82	−24 30.3	2.139	3.023	11.2	20.6
8 29	0 9.17	−25 34.6	2.086	3.012	9.2	20.5
9 8	0 1.77	−26 29.2	2.057	3.002	8.0	20.4
9 18	23 53.31	−27 7.0	2.053	2.992	8.3	20.4
9 28	23 44.70	−27 22.6	2.075	2.982	9.8	20.5
10 8	23 36.87	−27 13.7	2.121	2.972	12.0	20.6
10 18	23 30.59	−26 40.8	2.188	2.962	14.2	20.8
10 28	23 26.41	−25 46.3	2.275	2.952	16.1	20.9

513437 2008 UR_{317} 9 20.4 261°.36 7°.5/13.6 18

8 19	0 18.08	−20 3.3	1.810	2.700	12.5	21.3
8 29	0 11.76	−21 2.6	1.751	2.690	9.8	21.1
9 8	0 3.35	−21 54.7	1.715	2.679	7.8	21.0
9 18	23 53.64	−22 31.6	1.704	2.668	7.7	20.9
9 28	23 43.70	−22 46.5	1.720	2.657	9.6	21.0
10 8	23 34.69	−22 36.4	1.761	2.645	12.4	21.2
10 18	23 27.51	−22 1.5	1.824	2.634	15.2	21.3
10 28	23 22.80	−21 4.5	1.905	2.622	17.7	21.5

267679 2002 UA_{8} 9 20.4 284°.61 1°.8/18.6 18

8 19	0 11.64	− 0 27.9	1.512	2.404	14.4	20.3
8 29	0 7.52	− 1 49.6	1.430	2.383	10.4	20.0
9 8	0 1.16	− 3 28.6	1.371	2.362	5.8	19.7
9 18	23 53.25	− 5 17.2	1.337	2.340	1.9	19.4
9 28	23 44.82	− 7 4.5	1.330	2.319	5.3	19.6
10 8	23 37.11	− 8 39.5	1.349	2.297	10.3	19.8
10 18	23 31.17	− 9 53.8	1.392	2.276	14.8	20.0
10 28	23 27.79	−10 42.3	1.454	2.254	18.7	20.2

156660 2002 JH_{79} 9 20.4 237°.77 1°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.55	+ 7 37.2	2.522	3.364	11.1	21.1
8 29	0 5.89	+ 7 5.8	2.434	3.354	8.4	20.9
9 8	23 59.87	+ 6 21.0	2.370	3.343	5.3	20.7
9 18	23 52.95	+ 5 25.4	2.333	3.331	2.3	20.5
9 28	23 45.81	+ 4 23.0	2.325	3.320	2.6	20.5
10 8	23 39.13	+ 3 19.2	2.347	3.308	5.7	20.7
10 18	23 33.54	+ 2 19.0	2.397	3.296	8.8	20.9
10 28	23 29.55	+ 1 27.1	2.471	3.283	11.5	21.1

48194 2001 HX_{63} 9 20.4 324°.30 2°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.33	− 6 46.5	1.711	2.605	12.9	19.2
8 29	0 9.05	− 7 26.6	1.648	2.601	9.2	19.0
9 8	0 1.81	− 8 11.4	1.609	2.598	5.3	18.7
9 18	23 53.34	− 8 54.9	1.595	2.595	2.9	18.6
9 28	23 44.67	− 9 30.5	1.609	2.592	5.5	18.7
10 8	23 36.83	− 9 52.7	1.649	2.589	9.4	19.0
10 18	23 30.71	− 9 58.4	1.713	2.586	13.1	19.2
10 28	23 26.90	− 9 46.7	1.797	2.584	16.2	19.4

264086 2009 SN_{249} 9 20.4 114°.84 0°.2/20.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 4.28	+ 1 47.0	4.423	5.280	6.4	21.2
8 29	0 0.88	+ 1 17.1	4.349	5.282	4.6	21.1
9 8	23 56.81	+ 0 42.1	4.300	5.283	2.7	21.0
9 18	23 52.34	+ 0 3.9	4.281	5.285	0.6	20.8
9 28	23 47.79	− 0 35.1	4.293	5.287	1.5	20.9
10 8	23 43.52	− 1 12.5	4.334	5.288	3.6	21.0
10 18	23 39.81	− 1 46.3	4.405	5.290	5.4	21.2
10 28	23 36.93	− 2 14.3	4.501	5.292	7.1	21.3

114980 2003 QY_{64} 9 20.4 329°.07 0°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.79	+ 1 40.0	1.919	2.801	12.3	18.8
8 29	0 3.53	+ 0 13.2	1.840	2.788	8.8	18.5
9 8	23 58.66	− 1 28.7	1.786	2.775	4.9	18.3
9 18	23 52.73	− 3 19.4	1.759	2.763	1.1	18.0
9 28	23 46.55	− 5 10.1	1.761	2.752	3.9	18.2
10 8	23 40.94	− 6 52.0	1.790	2.740	8.0	18.4
10 18	23 36.66	− 8 17.9	1.845	2.730	11.7	18.6
10 28	23 34.28	− 9 23.1	1.922	2.720	14.9	18.8

100260 1994 TF_{5} 9 20.4 314°.62 0°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.23	+ 3 17.3	1.297	2.189	16.3	19.7
8 29	0 6.79	+ 2 31.1	1.217	2.167	12.1	19.4
9 8	0 0.88	+ 1 23.8	1.158	2.146	7.1	19.1
9 18	23 53.22	+ 0 0.8	1.121	2.125	1.5	18.7
9 28	23 44.98	− 1 28.5	1.109	2.105	4.3	18.8
10 8	23 37.52	− 2 52.7	1.122	2.085	10.0	19.1
10 18	23 32.07	− 4 1.8	1.157	2.066	15.1	19.3
10 28	23 29.48	− 4 48.6	1.211	2.048	19.6	19.6

485750 2012 BM_{105} 9 20.4 157°.12 6°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.81	−20 47.0	2.672	3.559	9.1	21.8
8 29	0 5.99	−22 33.3	2.632	3.565	7.2	21.7
9 8	23 59.86	−24 13.9	2.618	3.570	6.2	21.6
9 18	23 52.96	−25 42.0	2.633	3.574	6.6	21.7
9 28	23 45.93	−26 52.1	2.675	3.579	8.0	21.8
10 8	23 39.45	−27 41.0	2.744	3.583	9.9	21.9
10 18	23 34.12	−28 7.7	2.835	3.586	11.8	22.1
10 28	23 30.37	−28 13.3	2.945	3.590	13.3	22.2

488050 2015 UA_{51} 9 20.4 343°.47 4°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.42	−12 38.3	1.980	2.880	11.1	21.1
8 29	0 6.03	−13 52.3	1.923	2.876	8.1	20.9
9 8	0 0.01	−15 6.3	1.892	2.873	5.6	20.7
9 18	23 53.00	−16 13.1	1.887	2.871	5.0	20.7
9 28	23 45.82	−17 6.0	1.909	2.868	7.1	20.8
10 8	23 39.34	−17 40.1	1.957	2.866	10.0	21.0
10 18	23 34.29	−17 53.2	2.028	2.864	12.9	21.2
10 28	23 31.19	−17 45.4	2.119	2.862	15.4	21.4

332452 2008 CF_{12} 9 20.4 153°.96 0°.9/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.39	− 1 4.4	1.788	2.664	13.4	21.4
8 29	0 11.11	− 1 43.1	1.727	2.671	9.6	21.2
9 8	0 2.92	− 2 31.4	1.690	2.678	5.4	20.9
9 18	23 53.57	− 3 24.0	1.681	2.684	1.2	20.6
9 28	23 44.08	− 4 14.6	1.699	2.690	3.9	20.9
10 8	23 35.48	− 4 56.9	1.745	2.695	8.2	21.1
10 18	23 28.61	− 5 26.5	1.817	2.700	12.0	21.4
10 28	23 24.06	− 5 40.8	1.911	2.704	15.1	21.6

182335 2001 PV_{44} 9 20.4 48°.52 1°.4/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.61	− 1 58.8	1.199	2.098	16.9	19.4
8 29	0 10.95	− 2 32.9	1.164	2.119	12.0	19.2
9 8	0 2.91	− 3 17.7	1.150	2.141	6.6	19.0
9 18	23 53.56	− 4 5.9	1.159	2.163	1.6	18.7
9 28	23 44.30	− 4 48.9	1.194	2.186	5.0	19.0
10 8	23 36.45	− 5 19.6	1.253	2.209	10.0	19.4
10 18	23 30.95	− 5 34.0	1.334	2.233	14.3	19.7
10 28	23 28.32	− 5 30.1	1.435	2.256	17.9	20.0

222056 1998 WK_{24} 9 20.4 340°.26 0°.0/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 5.80	+ 0 33.7	3.990	4.851	6.9	20.8
8 29	0 2.03	+ 0 13.6	3.914	4.850	5.0	20.7
9 8	23 57.50	− 0 11.4	3.864	4.848	2.8	20.6
9 18	23 52.50	− 0 39.4	3.843	4.847	0.6	20.4
9 28	23 47.41	− 1 8.0	3.852	4.845	1.7	20.5
10 8	23 42.62	− 1 34.7	3.891	4.844	3.9	20.6
10 18	23 38.47	− 1 57.5	3.958	4.843	6.0	20.8
10 28	23 35.28	− 2 14.4	4.051	4.842	7.8	20.9

351861 2006 SX 9 20.4 174°.43 1°.0/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.51	+ 3 45.7	2.048	2.909	12.5	21.2
8 29	0 8.22	+ 3 26.1	1.977	2.910	9.2	21.0
9 8	0 1.27	+ 2 54.6	1.929	2.911	5.5	20.8
9 18	23 53.28	+ 2 14.2	1.909	2.911	1.7	20.5
9 28	23 45.10	+ 1 29.8	1.917	2.912	2.9	20.6
10 8	23 37.59	+ 0 46.8	1.952	2.912	6.7	20.9
10 18	23 31.50	+ 0 10.1	2.015	2.912	10.3	21.1
10 28	23 27.39	− 0 16.3	2.100	2.912	13.3	21.3

260215 2004 RL_{210} 9 20.4 46°.22 5°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.69	+16 54.5	2.014	2.819	14.8	20.2
8 29	0 7.72	+17 11.3	1.945	2.826	12.1	20.0
9 8	0 1.02	+17 7.5	1.896	2.834	9.1	19.9
9 18	23 53.24	+16 43.2	1.872	2.842	6.5	19.7
9 28	23 45.25	+16 1.1	1.874	2.850	5.6	19.7
10 8	23 37.97	+15 6.6	1.903	2.859	7.2	19.8
10 18	23 32.17	+14 6.5	1.958	2.867	9.9	20.0
10 28	23 28.43	+13 7.7	2.037	2.876	12.6	20.2

353755 2012 BW_{101} 9 20.4 276°.01 1°.1/22.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.50	+ 6 10.1	4.389	5.225	6.8	21.3
8 29	0 1.80	+ 5 58.1	4.300	5.217	5.1	21.2
9 8	23 57.37	+ 5 39.7	4.237	5.209	3.2	21.0
9 18	23 52.50	+ 5 16.1	4.203	5.201	1.5	20.9
9 28	23 47.52	+ 4 49.2	4.199	5.192	1.6	20.9
10 8	23 42.80	+ 4 21.2	4.225	5.184	3.4	21.0
10 18	23 38.65	+ 3 54.2	4.280	5.176	5.3	21.2
10 28	23 35.36	+ 3 30.6	4.361	5.168	7.0	21.3

358165 2006 RX_{103} 9 20.4 307°.49 0°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.49	+ 0 24.6	1.752	2.636	13.2	20.8
8 29	0 6.38	− 0 26.3	1.674	2.622	9.5	20.5
9 8	0 0.38	− 1 30.2	1.618	2.607	5.4	20.3
9 18	23 53.13	− 2 41.9	1.589	2.593	1.1	19.9
9 28	23 45.55	− 3 54.1	1.587	2.579	3.9	20.1
10 8	23 38.62	− 4 58.9	1.611	2.565	8.4	20.4
10 18	23 33.22	− 5 50.1	1.660	2.552	12.4	20.6
10 28	23 30.02	− 6 23.6	1.731	2.539	15.8	20.8

122026 2000 GV_{54} 9 20.4 0°.50 2°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.02	− 5 49.7	1.484	2.382	14.3	18.6
8 29	0 9.76	− 6 4.9	1.425	2.380	10.3	18.4
9 8	0 2.32	− 6 25.1	1.388	2.379	5.8	18.2
9 18	23 53.50	− 6 45.0	1.377	2.379	2.4	17.9
9 28	23 44.49	− 6 58.6	1.391	2.379	5.2	18.1
10 8	23 36.46	− 7 0.9	1.430	2.381	9.6	18.4
10 18	23 30.39	− 6 49.2	1.493	2.383	13.7	18.6
10 28	23 26.91	− 6 22.3	1.576	2.386	17.1	18.9

172785 2004 ES_{114} 9 20.4 67°.56 7°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.31	−20 23.6	1.835	2.732	12.0	19.5
8 29	0 8.13	−21 55.8	1.804	2.744	9.5	19.4
9 8	0 1.20	−23 19.4	1.796	2.757	7.9	19.3
9 18	23 53.26	−24 25.9	1.814	2.769	8.0	19.4
9 28	23 45.30	−25 8.9	1.858	2.781	9.8	19.5
10 8	23 38.29	−25 25.4	1.926	2.794	12.3	19.7
10 18	23 32.96	−25 15.9	2.015	2.806	14.6	19.9
10 28	23 29.81	−24 43.0	2.121	2.819	16.6	20.1

366088 2012 CD_{46} 9 20.4 355°.46 2°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.20	− 4 18.5	2.006	2.897	11.4	20.2
8 29	0 5.13	− 5 29.1	1.943	2.896	8.1	20.0
9 8	23 59.52	− 6 47.0	1.905	2.895	4.5	19.8
9 18	23 52.95	− 8 5.9	1.894	2.894	2.3	19.7
9 28	23 46.20	− 9 18.7	1.911	2.894	4.8	19.8
10 8	23 40.10	−10 19.1	1.955	2.894	8.3	20.0
10 18	23 35.35	−11 2.9	2.025	2.894	11.6	20.2
10 28	23 32.46	−11 27.9	2.115	2.894	14.3	20.4

318320 2004 TT_{157} 9 20.4 1°.88 3°.7/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.08	+ 8 28.0	0.919	1.816	20.9	19.8
8 29	0 6.41	+ 8 22.8	0.866	1.813	16.0	19.5
9 8	0 0.80	+ 7 48.0	0.830	1.812	10.5	19.3
9 18	23 53.25	+ 6 47.1	0.813	1.812	5.0	19.0
9 28	23 45.30	+ 5 29.4	0.817	1.814	5.0	19.0
10 8	23 38.65	+ 4 8.4	0.843	1.817	10.3	19.3
10 18	23 34.60	+ 2 56.8	0.889	1.822	15.8	19.6
10 28	23 33.93	+ 2 4.5	0.953	1.828	20.5	19.9

464764 2003 US_{20} 9 20.4 22°.65 8°.2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.31	−16 17.4	0.760	1.690	20.3	19.2
8 29	0 13.64	−16 23.3	0.740	1.705	15.1	18.9
9 8	0 4.63	−16 18.1	0.736	1.723	10.2	18.8
9 18	23 53.91	−15 52.7	0.751	1.743	8.2	18.8
9 28	23 43.61	−15 2.2	0.787	1.764	10.7	19.0
10 8	23 35.56	−13 47.3	0.842	1.788	15.1	19.3
10 18	23 30.81	−12 13.0	0.916	1.813	19.4	19.7
10 28	23 29.75	−10 24.8	1.007	1.840	22.9	20.0

468453 2003 SL_{369} 9 20.4 105°.17 1°.0/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.15	+ 5 0.0	1.457	2.328	16.1	21.9
8 29	0 10.51	+ 4 17.5	1.404	2.342	11.8	21.7
9 8	0 2.69	+ 3 17.0	1.373	2.356	7.0	21.5
9 18	23 53.58	+ 2 4.1	1.366	2.369	2.0	21.2
9 28	23 44.36	+ 0 47.1	1.387	2.382	3.6	21.3
10 8	23 36.23	− 0 24.9	1.433	2.395	8.4	21.7
10 18	23 30.13	− 1 24.4	1.505	2.407	12.8	21.9
10 28	23 26.64	− 2 6.6	1.597	2.419	16.3	22.2

170002 2002 TJ_{286} 9 20.4 328°.20 1°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.89	+ 3 28.1	1.544	2.419	15.1	18.7
8 29	0 9.83	+ 3 43.8	1.465	2.404	11.4	18.4
9 8	0 2.49	+ 3 46.6	1.409	2.391	7.0	18.2
9 18	23 53.59	+ 3 38.3	1.376	2.377	2.6	17.9
9 28	23 44.22	+ 3 22.8	1.370	2.365	3.7	17.9
10 8	23 35.62	+ 3 5.7	1.389	2.353	8.3	18.1
10 18	23 28.87	+ 2 52.5	1.433	2.342	12.8	18.4
10 28	23 24.73	+ 2 47.9	1.497	2.332	16.6	18.6

468013 2013 BY_{17} 9 20.4 36°.73 2°.4/25.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 4.82	+13 43.6	4.308	5.106	7.6	21.6
8 29	0 1.34	+13 28.9	4.223	5.106	6.0	21.4
9 8	23 57.13	+13 4.8	4.162	5.107	4.3	21.3
9 18	23 52.48	+12 32.3	4.129	5.108	2.8	21.2
9 28	23 47.74	+11 53.1	4.125	5.108	2.4	21.2
10 8	23 43.27	+11 9.7	4.151	5.109	3.6	21.3
10 18	23 39.40	+10 25.0	4.206	5.109	5.2	21.4
10 28	23 36.42	+ 9 41.7	4.288	5.110	6.8	21.5

474443 2003 QJ_{5} 9 20.4 22°.32 2°.8/23.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	23 59.05	+23 18.0	0.814	1.674	26.4	18.9
8 29	23 59.02	+18 58.7	0.778	1.703	20.3	18.6
9 8	23 56.39	+13 35.6	0.763	1.736	13.1	18.4
9 18	23 52.34	+ 7 35.5	0.772	1.771	5.5	18.1
9 28	23 48.35	+ 1 39.5	0.810	1.808	4.2	18.2
10 8	23 45.71	− 3 33.6	0.875	1.847	10.5	18.7
10 18	23 45.22	− 7 41.8	0.966	1.888	16.1	19.2
10 28	23 47.26	−10 40.1	1.078	1.930	20.4	19.6

215039 2009 CM_{53} 9 20.4 324°.39 2°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.89	− 4 36.0	1.571	2.470	13.5	20.0
8 29	0 6.78	− 5 45.6	1.505	2.461	9.7	19.8
9 8	0 0.65	− 7 4.5	1.462	2.453	5.5	19.5
9 18	23 53.21	− 8 25.2	1.445	2.445	2.9	19.3
9 28	23 45.48	− 9 38.4	1.454	2.438	5.8	19.5
10 8	23 38.56	−10 36.2	1.489	2.431	10.1	19.7
10 18	23 33.35	−11 13.4	1.547	2.424	14.0	20.0
10 28	23 30.52	−11 27.9	1.625	2.418	17.4	20.2

490410 2009 RL_{72} 9 20.4 320°.98 0°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.80	− 1 36.5	1.774	2.650	13.4	20.3
8 29	0 11.81	− 1 13.9	1.682	2.625	9.9	20.1
9 8	0 3.60	− 0 57.3	1.614	2.600	5.7	19.8
9 18	23 53.82	− 0 44.4	1.571	2.575	1.2	19.4
9 28	23 43.50	− 0 32.2	1.557	2.551	3.6	19.5
10 8	23 33.79	− 0 17.3	1.570	2.528	8.2	19.8
10 18	23 25.74	+ 0 3.5	1.609	2.505	12.4	20.0
10 28	23 20.16	+ 0 32.6	1.669	2.483	16.1	20.2

314555 2005 YP_{155} 9 20.4 74°.47 1°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.02	+ 5 59.2	2.136	2.991	12.3	20.9
8 29	0 7.02	+ 5 37.7	2.076	3.004	9.2	20.7
9 8	0 0.53	+ 5 3.2	2.040	3.017	5.7	20.5
9 18	23 53.16	+ 4 19.0	2.030	3.031	2.2	20.3
9 28	23 45.70	+ 3 29.5	2.049	3.044	2.7	20.4
10 8	23 38.93	+ 2 40.3	2.096	3.057	6.2	20.6
10 18	23 33.52	+ 1 56.2	2.170	3.071	9.4	20.8
10 28	23 29.93	+ 1 21.5	2.267	3.084	12.3	21.1

289406 2005 CK_{58} 9 20.4 153°.97 0°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.85	+ 2 58.3	1.725	2.594	14.1	21.6
8 29	0 10.11	+ 2 4.6	1.663	2.602	10.3	21.3
9 8	0 2.42	+ 0 56.3	1.624	2.609	5.9	21.1
9 18	23 53.56	− 0 21.1	1.611	2.615	1.2	20.8
9 28	23 44.52	− 1 39.9	1.627	2.621	3.5	21.0
10 8	23 36.37	− 2 52.0	1.671	2.626	8.0	21.3
10 18	23 29.95	− 3 51.1	1.740	2.631	12.0	21.5
10 28	23 25.86	− 4 33.1	1.831	2.635	15.3	21.8

446137 2013 EB_{65} 9 20.4 62°.20 5°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.38	−16 23.3	2.003	2.898	11.2	20.2
8 29	0 8.09	−17 27.1	1.958	2.904	8.5	20.1
9 8	0 1.16	−18 26.6	1.938	2.911	6.3	19.9
9 18	23 53.29	−19 15.1	1.944	2.918	6.0	19.9
9 28	23 45.35	−19 46.8	1.977	2.925	7.8	20.1
10 8	23 38.24	−19 58.4	2.036	2.932	10.4	20.2
10 18	23 32.64	−19 49.2	2.118	2.939	13.0	20.4
10 28	23 29.08	−19 20.5	2.219	2.946	15.2	20.6

408458 2013 HC_{47} 9 20.4 47°.47 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.84	− 4 59.1	2.076	2.957	11.5	20.3
8 29	0 9.10	− 5 16.0	2.014	2.961	8.2	20.2
9 8	0 1.74	− 5 37.3	1.977	2.965	4.6	19.9
9 18	23 53.41	− 5 58.9	1.967	2.969	1.7	19.7
9 28	23 44.96	− 6 16.5	1.986	2.974	3.9	19.9
10 8	23 37.25	− 6 26.2	2.032	2.978	7.5	20.2
10 18	23 31.00	− 6 25.4	2.105	2.982	10.8	20.4
10 28	23 26.72	− 6 12.8	2.200	2.987	13.6	20.6

358797 2008 EK_{51} 9 20.4 114°.37 0°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.47	+ 2 38.6	2.281	3.139	11.5	20.8
8 29	0 8.70	+ 2 27.8	2.217	3.150	8.4	20.6
9 8	0 1.47	+ 2 7.5	2.178	3.160	5.0	20.4
9 18	23 53.36	+ 1 40.5	2.167	3.170	1.4	20.2
9 28	23 45.15	+ 1 10.8	2.185	3.179	2.6	20.3
10 8	23 37.60	+ 0 42.5	2.231	3.189	6.1	20.5
10 18	23 31.38	+ 0 19.4	2.305	3.198	9.3	20.8
10 28	23 26.97	+ 0 4.7	2.403	3.207	12.1	21.0

92964 2000 RR_{48} 9 20.4 58°.90 0°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.28	− 1 1.6	1.434	2.315	15.8	18.1
8 29	0 14.08	− 0 52.0	1.391	2.336	11.4	17.9
9 8	0 4.65	− 0 51.8	1.371	2.358	6.5	17.6
9 18	23 53.99	− 0 57.2	1.376	2.380	1.3	17.4
9 28	23 43.39	− 1 3.4	1.407	2.402	3.9	17.6
10 8	23 34.10	− 1 5.7	1.466	2.424	8.6	17.9
10 18	23 27.04	− 1 0.4	1.548	2.446	12.8	18.2
10 28	23 22.75	− 0 45.2	1.652	2.468	16.1	18.5

182885 2002 CF_{266} 9 20.4 349°.85 1°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.69	− 1 49.6	1.796	2.683	12.8	20.4
8 29	0 7.12	− 2 23.1	1.730	2.679	9.2	20.1
9 8	0 0.75	− 3 5.6	1.687	2.677	5.1	19.9
9 18	23 53.25	− 3 52.2	1.670	2.674	1.2	19.6
9 28	23 45.53	− 4 36.7	1.681	2.672	3.9	19.8
10 8	23 38.56	− 5 13.3	1.718	2.670	8.1	20.1
10 18	23 33.14	− 5 37.6	1.780	2.669	11.8	20.3
10 28	23 29.84	− 5 46.7	1.863	2.668	15.0	20.5

487780 2015 RG_{224} 9 20.4 297°.06 2°.0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.45	− 4 4.0	2.008	2.895	11.6	21.6
8 29	0 6.93	− 4 51.2	1.922	2.873	8.3	21.4
9 8	0 0.68	− 5 46.2	1.862	2.851	4.7	21.1
9 18	23 53.25	− 6 43.9	1.828	2.829	2.0	20.9
9 28	23 45.47	− 7 38.0	1.821	2.808	4.5	21.0
10 8	23 38.24	− 8 22.4	1.843	2.786	8.3	21.2
10 18	23 32.37	− 8 52.7	1.889	2.764	11.9	21.4
10 28	23 28.48	− 9 6.1	1.956	2.743	15.1	21.6

120814 1998 HW_{37} 9 20.4 111°.51 1°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.68	+ 5 32.3	1.956	2.809	13.3	20.8
8 29	0 9.73	+ 5 8.3	1.899	2.827	9.9	20.6
9 8	0 2.10	+ 4 30.6	1.866	2.844	6.0	20.4
9 18	23 53.51	+ 3 42.8	1.859	2.860	2.2	20.2
9 28	23 44.84	+ 2 50.0	1.881	2.876	2.9	20.3
10 8	23 37.00	+ 1 58.4	1.932	2.892	6.7	20.5
10 18	23 30.73	+ 1 13.3	2.009	2.907	10.2	20.8
10 28	23 26.54	+ 0 38.9	2.109	2.921	13.2	21.0

76351 2000 EF_{164} 9 20.4 199°.28 0°.7/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.09	+ 3 22.9	2.021	2.885	12.5	20.2
8 29	0 7.97	+ 2 53.8	1.948	2.884	9.2	20.0
9 8	0 1.19	+ 2 12.4	1.900	2.882	5.4	19.7
9 18	23 53.35	+ 1 22.3	1.878	2.881	1.5	19.5
9 28	23 45.29	+ 0 28.8	1.884	2.879	2.9	19.6
10 8	23 37.90	− 0 22.2	1.918	2.877	6.9	19.8
10 18	23 31.93	− 1 5.5	1.979	2.875	10.5	20.0
10 28	23 27.94	− 1 37.0	2.063	2.873	13.6	20.2

289329 2005 AE_{57} 9 20.4 261°.83 6°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.97	+19 9.3	1.950	2.741	15.7	20.6
8 29	0 8.93	+19 28.0	1.859	2.729	13.1	20.4
9 8	0 1.91	+19 23.8	1.789	2.717	10.2	20.2
9 18	23 53.52	+18 55.4	1.742	2.704	7.6	20.0
9 28	23 44.69	+18 4.7	1.721	2.692	6.6	19.9
10 8	23 36.45	+16 57.0	1.727	2.679	8.1	20.0
10 18	23 29.74	+15 40.0	1.758	2.666	10.9	20.1
10 28	23 25.29	+14 22.5	1.813	2.652	13.9	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
315856 2008 HO_{36}			9 20.4	59°.75	4°.8/14.9	18
	h m	° ′			°	m
8 19	0 11.93	−13 20.3	2.082	2.978	10.8	20.8
8 29	0 7.04	−14 27.1	2.032	2.982	8.0	20.7
9 8	0 0.59	−15 32.6	2.006	2.986	5.5	20.5
9 18	23 53.22	−16 30.4	2.007	2.990	4.9	20.5
9 28	23 45.75	−17 14.3	2.036	2.994	6.8	20.6
10 8	23 38.99	−17 40.3	2.091	2.998	9.6	20.8
10 18	23 33.65	−17 46.8	2.170	3.002	12.3	21.0
10 28	23 30.21	−17 34.1	2.269	3.006	14.7	21.2
390460 2013 YJ_{98}			9 20.4	79°.04	1°.1/21.4	18
8 19	0 15.54	+ 3 36.3	1.622	2.493	14.7	21.1
8 29	0 10.00	+ 3 20.9	1.561	2.499	10.9	20.8
9 8	0 2.43	+ 2 51.4	1.523	2.505	6.5	20.6
9 18	23 53.60	+ 2 11.4	1.509	2.512	2.0	20.3
9 28	23 44.59	+ 1 26.8	1.523	2.518	3.4	20.4
10 8	23 36.50	+ 0 44.3	1.563	2.524	7.9	20.7
10 18	23 30.22	+ 0 9.7	1.628	2.530	11.9	21.0
10 28	23 26.38	− 0 12.5	1.715	2.537	15.4	21.2
515016 2009 SK_{117}			9 20.4	296°.13	2°.1/23.1	18
8 19	0 9.57	+ 9 2.8	2.291	3.133	12.0	21.5
8 29	0 5.31	+ 8 28.6	2.214	3.132	9.2	21.3
9 8	23 59.62	+ 7 39.0	2.160	3.131	5.9	21.1
9 18	23 53.04	+ 6 36.8	2.133	3.129	2.8	20.9
9 28	23 46.28	+ 5 26.9	2.134	3.128	2.8	20.9
10 8	23 40.06	+ 4 15.0	2.164	3.127	5.9	21.1
10 18	23 35.05	+ 3 7.2	2.222	3.126	9.1	21.3
10 28	23 31.73	+ 2 8.7	2.303	3.125	11.9	21.5
176834 2002 TP_{187}			9 20.4	21°.67	2°.1/21.7	18
8 19	0 17.65	+ 3 16.9	1.159	2.046	18.2	19.0
8 29	0 12.13	+ 3 39.8	1.107	2.052	13.6	18.8
9 8	0 3.88	+ 3 46.4	1.073	2.058	8.3	18.5
9 18	23 53.91	+ 3 39.4	1.063	2.065	3.0	18.2
9 28	23 43.70	+ 3 24.0	1.076	2.072	4.2	18.3
10 8	23 34.80	+ 3 7.2	1.114	2.081	9.5	18.7
10 18	23 28.37	+ 2 55.5	1.174	2.090	14.4	19.0
10 28	23 25.13	+ 2 53.9	1.254	2.100	18.4	19.3
475898 2007 DM_{49}			9 20.4	279°.35	2°.9/17.1	18
8 19	0 12.16	− 1 27.2	1.663	2.552	13.5	21.1
8 29	0 7.89	− 3 34.6	1.570	2.522	9.7	20.8
9 8	0 1.47	− 6 2.1	1.501	2.492	5.5	20.5
9 18	23 53.46	− 8 40.3	1.461	2.461	3.0	20.3
9 28	23 44.86	−11 15.7	1.449	2.429	6.4	20.4
10 8	23 36.78	−13 35.0	1.466	2.397	11.1	20.6
10 18	23 30.31	−15 28.4	1.507	2.364	15.4	20.8
10 28	23 26.26	−16 50.4	1.568	2.331	19.1	21.0
168010 2005 HP			9 20.4	261°.13	0°.4/20.1	18
8 19	0 14.89	− 0 25.5	1.969	2.843	12.4	21.0
8 29	0 9.42	− 0 48.0	1.887	2.829	9.0	20.7
9 8	0 2.10	− 1 20.0	1.829	2.815	5.1	20.5
9 18	23 53.56	− 1 57.6	1.797	2.801	1.0	20.2
9 28	23 44.68	− 2 35.7	1.794	2.787	3.4	20.3
10 8	23 36.43	− 3 8.9	1.819	2.772	7.6	20.6
10 18	23 29.64	− 3 32.6	1.869	2.758	11.4	20.8
10 28	23 24.98	− 3 43.6	1.942	2.743	14.6	21.0
32284 2000 PH_{24}			9 20.5	80°.18	1°.7/18.6	18
8 19	0 12.16	− 3 25.6	2.001	2.886	11.7	18.5
8 29	0 7.25	− 4 12.7	1.941	2.890	8.3	18.3
9 8	0 0.74	− 5 6.8	1.905	2.894	4.7	18.1
9 18	23 53.27	− 6 2.6	1.896	2.898	1.7	17.9
9 28	23 45.65	− 6 54.1	1.915	2.902	4.2	18.1
10 8	23 38.75	− 7 35.8	1.961	2.906	7.8	18.3
10 18	23 33.26	− 8 4.0	2.033	2.910	11.2	18.6
10 28	23 29.72	− 8 16.6	2.127	2.914	14.0	18.8
448604 2010 UX_{9}			9 20.5	322°.06	2°.9/23.5	18
8 19	0 9.27	+10 1.6	1.829	2.680	14.2	21.0
8 29	0 5.50	+ 9 35.9	1.745	2.666	11.0	20.7
9 8	23 59.93	+ 8 50.4	1.682	2.653	7.4	20.5
9 18	23 53.15	+ 7 47.5	1.644	2.640	3.8	20.2
9 28	23 46.03	+ 6 32.5	1.634	2.627	3.5	20.2
10 8	23 39.52	+ 5 13.0	1.649	2.615	7.1	20.4
10 18	23 34.47	+ 3 56.8	1.691	2.604	10.9	20.6
10 28	23 31.52	+ 2 51.0	1.755	2.593	14.4	20.8
494561 2017 BD_{9}			9 20.5	246°.61	0°.0/20.5	18
8 19	0 9.86	+ 2 31.8	2.629	3.490	10.1	21.7
8 29	0 5.41	+ 1 38.7	2.540	3.475	7.3	21.5
9 8	23 59.67	+ 0 35.0	2.476	3.461	4.2	21.2
9 18	23 53.08	− 0 35.7	2.442	3.446	0.9	21.0
9 28	23 46.26	− 1 48.5	2.437	3.430	2.6	21.1
10 8	23 39.87	− 2 57.8	2.461	3.414	5.9	21.3
10 18	23 34.50	− 3 59.1	2.513	3.398	9.0	21.5
10 28	23 30.63	− 4 48.4	2.590	3.381	11.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
483315 2015 VD_{143}			9 20.5	324°.08	6°.0/13.3	18
	h m	° ′			°	m
8 19	0 11.65	−16 58.6	2.080	2.977	10.8	20.4
8 29	0 6.92	−18 18.2	2.029	2.975	8.3	20.3
9 8	0 0.58	−19 34.0	2.003	2.973	6.4	20.2
9 18	23 53.26	−20 38.9	2.003	2.971	6.3	20.2
9 28	23 45.80	−21 26.4	2.030	2.970	8.1	20.3
10 8	23 39.04	−21 52.6	2.083	2.968	10.7	20.4
10 18	23 33.71	−21 56.3	2.158	2.967	13.2	20.6
10 28	23 30.31	−21 38.5	2.252	2.965	15.4	20.8
343739 2011 FW_{12}			9 20.5	20°.62	9°.3/14.3	18
8 19	0 14.49	−18 26.8	1.058	1.978	16.8	19.4
8 29	0 9.81	−19 33.1	1.031	1.989	12.9	19.2
9 8	0 2.45	−20 28.3	1.024	2.001	9.9	19.1
9 18	23 53.62	−21 1.3	1.039	2.015	9.5	19.1
9 28	23 44.89	−21 4.2	1.075	2.030	11.8	19.3
10 8	23 37.75	−20 35.0	1.132	2.046	15.2	19.6
10 18	23 33.16	−19 36.8	1.208	2.064	18.6	19.8
10 28	23 31.62	−18 14.8	1.301	2.083	21.4	20.1
39578 1993 FV_{13}			9 20.5	359°.54	6°.3/16.9	18
8 19	0 20.97	−15 36.6	1.343	2.244	15.3	17.1
8 29	0 14.28	−15 48.2	1.290	2.241	11.4	16.9
9 8	0 4.99	−15 53.2	1.259	2.240	7.8	16.7
9 18	23 54.15	−15 44.5	1.251	2.239	6.3	16.6
9 28	23 43.19	−15 16.6	1.270	2.240	8.5	16.8
10 8	23 33.54	−14 27.6	1.312	2.241	12.3	17.0
10 18	23 26.31	−13 19.0	1.377	2.243	16.1	17.2
10 28	23 22.12	−11 54.2	1.461	2.246	19.4	17.5
350148 2011 SN_{83}			9 20.5	120°.67	0°.3/20.2	18
8 19	0 14.16	+ 0 0.7	1.950	2.824	12.5	20.8
8 29	0 8.76	− 0 25.5	1.885	2.827	9.0	20.6
9 8	0 1.64	− 1 1.2	1.844	2.831	5.1	20.4
9 18	23 53.48	− 1 42.2	1.830	2.835	1.0	20.1
9 28	23 45.15	− 2 23.2	1.845	2.838	3.3	20.3
10 8	23 37.57	− 2 58.9	1.887	2.841	7.3	20.6
10 18	23 31.48	− 3 24.9	1.954	2.844	10.9	20.8
10 28	23 27.46	− 3 38.5	2.045	2.848	13.9	21.0
292842 2006 UD_{295}			9 20.5	144°.43	0°.1/20.5	18
8 19	0 14.18	+ 1 6.3	1.985	2.855	12.5	20.9
8 29	0 8.76	+ 0 42.9	1.918	2.857	9.1	20.7
9 8	0 1.64	+ 0 9.3	1.875	2.860	5.2	20.5
9 18	23 53.48	− 0 30.6	1.858	2.862	1.1	20.2
9 28	23 45.14	− 1 11.8	1.870	2.865	3.1	20.4
10 8	23 37.52	− 1 48.9	1.910	2.867	7.1	20.6
10 18	23 31.37	− 2 17.5	1.976	2.869	10.7	20.8
10 28	23 27.26	− 2 34.4	2.065	2.870	13.7	21.1
168640 2000 DM_{10}			9 20.5	67°.70	0°.5/20.9	18
8 19	0 13.37	+ 2 44.8	1.801	2.673	13.5	20.7
8 29	0 8.30	+ 2 17.2	1.738	2.677	9.9	20.5
9 8	0 1.43	+ 1 36.9	1.697	2.681	5.8	20.2
9 18	23 53.44	+ 0 48.0	1.682	2.686	1.4	20.0
9 28	23 45.27	− 0 3.7	1.695	2.690	3.2	20.1
10 8	23 37.90	− 0 51.7	1.735	2.695	7.4	20.4
10 18	23 32.11	− 1 30.7	1.801	2.699	11.2	20.6
10 28	23 28.49	− 1 56.8	1.889	2.704	14.4	20.9
300333 2007 RG_{15}			9 20.5	217°.83	1°.2/21.9	18
8 19	0 10.95	+ 7 12.8	1.958	2.813	13.2	20.8
8 29	0 6.52	+ 6 12.1	1.881	2.810	9.9	20.6
9 8	0 0.42	+ 4 53.4	1.828	2.807	6.1	20.3
9 18	23 53.25	+ 3 21.4	1.802	2.803	2.1	20.1
9 28	23 45.84	+ 1 43.1	1.804	2.799	2.9	20.1
10 8	23 39.09	+ 0 6.7	1.835	2.795	6.9	20.4
10 18	23 33.74	− 1 20.0	1.892	2.791	10.7	20.6
10 28	23 30.38	− 2 31.4	1.973	2.787	13.9	20.8
365963 2012 BG_{31}			9 20.5	256°.33	0°.8/21.4	18
8 19	0 9.93	+ 4 53.5	2.230	3.090	11.7	21.1
8 29	0 5.60	+ 4 8.8	2.154	3.087	8.6	20.9
9 8	23 59.82	+ 3 11.1	2.103	3.084	5.2	20.7
9 18	23 53.12	+ 2 4.0	2.079	3.082	1.5	20.4
9 28	23 46.24	+ 0 52.9	2.084	3.079	2.6	20.5
10 8	23 39.91	− 0 16.0	2.117	3.076	6.3	20.8
10 18	23 34.81	− 1 17.2	2.177	3.073	9.6	21.0
10 28	23 31.44	− 2 6.3	2.260	3.070	12.5	21.2
434771 2006 KN_{41}			9 20.5	35°.33	11°.3/12.7	16
8 19	0 18.56	−25 43.3	1.250	2.150	16.2	19.8
8 29	0 12.31	−26 53.8	1.237	2.173	13.3	19.7
9 8	0 3.66	−27 44.5	1.245	2.196	11.5	19.7
9 18	23 53.84	−28 5.9	1.275	2.221	11.6	19.8
9 28	23 44.36	−27 53.2	1.327	2.246	13.3	19.9
10 8	23 36.55	−27 7.2	1.400	2.272	15.7	20.2
10 18	23 31.26	−25 53.0	1.492	2.299	18.2	20.4
10 28	23 28.87	−24 17.0	1.601	2.326	20.3	20.7

151482 2002 JM_{10} 9 20.5 91°.74 2°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.53	− 5 50.3	2.348	3.234	10.2	20.0
8 29	0 5.83	− 7 12.8	2.303	3.254	7.2	19.8
9 8	23 59.83	− 8 39.2	2.285	3.273	4.1	19.6
9 18	23 53.11	−10 3.6	2.295	3.292	2.6	19.6
9 28	23 46.35	−11 19.8	2.334	3.310	4.7	19.7
10 8	23 40.23	−12 22.7	2.402	3.329	7.6	20.0
10 18	23 35.32	−13 9.1	2.496	3.347	10.3	20.2
10 28	23 32.05	−13 38.0	2.612	3.365	12.5	20.4

377285 2004 ED_{70} 9 20.5 109°.23 0°.1/20.4 17

8 19	0 14.81	+ 2 10.0	1.581	2.458	14.7	21.0
8 29	0 9.49	+ 1 21.1	1.524	2.467	10.7	20.7
9 8	0 2.16	+ 0 17.8	1.490	2.477	6.1	20.5
9 18	23 53.61	− 0 53.9	1.482	2.486	1.2	20.2
9 28	23 44.91	− 2 6.1	1.501	2.495	3.7	20.4
10 8	23 37.17	− 3 10.7	1.546	2.503	8.4	20.7
10 18	23 31.26	− 4 1.6	1.617	2.512	12.5	21.0
10 28	23 27.78	− 4 34.7	1.709	2.520	15.9	21.2

452706 2005 YL_{103} 9 20.5 338°.63 5°.7/14.2 18

8 19	0 11.20	−14 41.1	1.910	2.810	11.4	20.9
8 29	0 6.73	−15 56.0	1.855	2.806	8.5	20.7
9 8	0 0.53	−17 9.0	1.824	2.801	6.2	20.5
9 18	23 53.28	−18 12.7	1.819	2.797	5.9	20.5
9 28	23 45.85	−19 0.2	1.841	2.793	7.9	20.6
10 8	23 39.16	−19 26.7	1.888	2.790	10.8	20.8
10 18	23 33.97	−19 30.7	1.958	2.786	13.6	21.0
10 28	23 30.83	−19 12.9	2.047	2.784	16.1	21.1

219123 1998 TX_{15} 9 20.5 51°.57 1°.1/21.3 17

8 19	0 16.88	+ 3 32.8	1.203	2.088	17.8	19.6
8 29	0 11.24	+ 3 12.5	1.165	2.111	13.0	19.4
9 8	0 3.19	+ 2 34.8	1.148	2.134	7.6	19.2
9 18	23 53.80	+ 1 45.3	1.154	2.157	2.1	18.9
9 28	23 44.48	+ 0 52.4	1.185	2.181	3.9	19.1
10 8	23 36.54	+ 0 4.7	1.241	2.205	9.1	19.5
10 18	23 30.96	− 0 31.1	1.320	2.230	13.6	19.8
10 28	23 28.26	− 0 51.0	1.419	2.254	17.3	20.1

401337 2013 AM_{83} 9 20.5 282°.00 6°.5/26.9 18

8 19	0 12.94	+18 37.2	1.909	2.707	15.7	20.6
8 29	0 8.26	+18 52.0	1.817	2.692	13.1	20.4
9 8	0 1.59	+18 43.5	1.745	2.677	10.2	20.2
9 18	23 53.55	+18 10.7	1.697	2.663	7.5	20.0
9 28	23 45.04	+17 15.7	1.674	2.648	6.5	19.9
10 8	23 37.13	+16 4.0	1.678	2.633	8.0	20.0
10 18	23 30.73	+14 43.7	1.707	2.618	11.0	20.1
10 28	23 26.58	+13 23.7	1.760	2.603	14.1	20.3

261633 2005 YQ_{38} 9 20.5 312°.79 2°.6/18.0 18

8 19	0 14.75	− 7 35.0	2.046	2.933	11.4	19.9
8 29	0 9.17	− 8 0.3	1.979	2.929	8.2	19.7
9 8	0 1.91	− 8 28.3	1.937	2.924	4.8	19.5
9 18	23 53.60	− 8 54.5	1.921	2.920	2.6	19.3
9 28	23 45.10	− 9 13.9	1.934	2.916	4.8	19.5
10 8	23 37.31	− 9 22.5	1.974	2.912	8.2	19.7
10 18	23 30.97	− 9 18.2	2.039	2.909	11.5	19.9
10 28	23 26.66	− 8 59.8	2.127	2.905	14.3	20.1

230228 2001 TU_{195} 9 20.5 359°.24 6°.3/14.7 18

8 19	0 9.90	−10 9.1	1.216	2.135	15.1	18.9
8 29	0 6.49	−11 57.4	1.169	2.132	11.0	18.7
9 8	0 0.68	−13 50.0	1.143	2.131	7.3	18.5
9 18	23 53.37	−15 34.2	1.141	2.130	6.5	18.4
9 28	23 45.83	−16 57.4	1.163	2.130	9.5	18.6
10 8	23 39.37	−17 50.9	1.207	2.131	13.6	18.8
10 18	23 35.03	−18 11.7	1.272	2.133	17.5	19.1
10 28	23 33.45	−18 1.1	1.353	2.136	20.7	19.3

446547 2014 NY_{7} 9 20.5 54°.16 2°.0/18.4 18

8 19	0 11.75	− 3 57.4	1.916	2.804	12.0	21.0
8 29	0 6.95	− 4 50.0	1.870	2.821	8.5	20.8
9 8	0 0.58	− 5 48.8	1.848	2.838	4.7	20.6
9 18	23 53.32	− 6 47.8	1.853	2.855	2.0	20.5
9 28	23 46.02	− 7 40.9	1.886	2.872	4.4	20.7
10 8	23 39.52	− 8 22.7	1.946	2.890	7.9	20.9
10 18	23 34.50	− 8 49.8	2.031	2.907	11.2	21.2
10 28	23 31.43	− 9 0.7	2.138	2.925	13.9	21.4

128745 2004 RO_{170} 9 20.5 77°.52 4°.5/25.9 18

8 19	0 11.70	+15 37.5	2.179	2.987	13.7	19.6
8 29	0 6.92	+15 31.6	2.110	2.997	11.0	19.4
9 8	0 0.60	+15 6.5	2.063	3.008	8.1	19.2
9 18	23 53.34	+14 23.3	2.041	3.018	5.4	19.1
9 28	23 45.92	+13 25.6	2.046	3.028	4.6	19.1
10 8	23 39.17	+12 19.2	2.079	3.039	6.4	19.2
10 18	23 33.76	+11 10.4	2.139	3.049	9.1	19.4
10 28	23 30.20	+10 5.8	2.224	3.059	11.8	19.6

419521 2010 JQ_{34} 9 20.5 77°.92 0°.1/20.5 17

8 19	0 16.66	+ 3 1.3	1.191	2.078	17.8	21.1
8 29	0 11.21	+ 2 7.7	1.147	2.095	12.9	20.9
9 8	0 3.27	+ 0 55.6	1.124	2.112	7.4	20.6
9 18	23 53.87	− 0 27.1	1.125	2.129	1.5	20.3
9 28	23 44.44	− 1 49.8	1.151	2.146	4.3	20.5
10 8	23 36.36	− 3 2.0	1.202	2.163	9.8	20.9
10 18	23 30.65	− 3 56.2	1.276	2.179	14.5	21.2
10 28	23 27.88	− 4 28.4	1.369	2.196	18.3	21.5

358388 2006 YJ_{42} 9 20.5 114°.83 5°.6/27.3 18

8 19	0 14.77	+19 13.3	2.458	3.232	13.3	20.9
8 29	0 9.01	+19 33.5	2.387	3.245	11.0	20.7
9 8	0 1.76	+19 35.3	2.339	3.258	8.5	20.6
9 18	23 53.57	+19 18.3	2.315	3.271	6.4	20.5
9 28	23 45.22	+18 44.6	2.318	3.284	5.6	20.5
10 8	23 37.49	+17 58.2	2.350	3.296	6.6	20.5
10 18	23 31.05	+17 4.8	2.409	3.308	8.7	20.7
10 28	23 26.42	+16 10.1	2.493	3.319	11.0	20.9

306001 2009 TD_{42} 9 20.5 320°.79 2°.4/15.9 18

8 19	0 5.55	−11 9.1	3.816	4.704	6.6	19.8
8 29	0 1.99	−11 51.8	3.746	4.694	4.7	19.6
9 8	23 57.62	−12 34.7	3.702	4.684	3.0	19.5
9 18	23 52.74	−13 15.1	3.686	4.675	2.5	19.5
9 28	23 47.75	−13 49.7	3.701	4.666	3.7	19.5
10 8	23 43.07	−14 16.2	3.744	4.657	5.6	19.7
10 18	23 39.06	−14 33.0	3.813	4.648	7.4	19.8
10 28	23 36.05	−14 38.9	3.905	4.639	9.0	19.9

450347 2004 TK_{323} 9 20.5 17°.72 2°.9/23.5 17

8 19	0 9.55	+ 9 31.6	1.685	2.542	15.0	20.7
8 29	0 5.69	+ 9 12.4	1.624	2.548	11.5	20.5
9 8	0 0.02	+ 8 33.8	1.584	2.556	7.6	20.3
9 18	23 53.24	+ 7 38.9	1.568	2.564	3.9	20.1
9 28	23 46.28	+ 6 33.4	1.579	2.573	3.6	20.1
10 8	23 40.13	+ 5 25.1	1.615	2.582	7.1	20.3
10 18	23 35.56	+ 4 21.3	1.677	2.593	10.8	20.6
10 28	23 33.14	+ 3 28.3	1.762	2.604	14.2	20.8

203730 2002 QV_{55} 9 20.5 294°.58 2°.7/22.5 18

8 19	0 17.66	+ 5 47.3	1.782	2.636	14.4	20.3
8 29	0 11.76	+ 6 12.2	1.692	2.618	11.0	20.0
9 8	0 3.66	+ 6 24.3	1.625	2.600	7.1	19.8
9 18	23 54.02	+ 6 24.3	1.584	2.581	3.4	19.5
9 28	23 43.84	+ 6 14.8	1.570	2.563	3.7	19.5
10 8	23 34.28	+ 6 0.4	1.583	2.545	7.7	19.7
10 18	23 26.38	+ 5 46.1	1.622	2.527	11.8	19.9
10 28	23 20.92	+ 5 37.0	1.684	2.509	15.4	20.1

157498 2005 SL_{13} 9 20.5 310°.56 0°.2/20.3 18

8 19	0 13.64	+ 0 39.8	1.366	2.257	15.7	20.4
8 29	0 9.24	+ 0 14.4	1.289	2.239	11.6	20.1
9 8	0 2.38	− 0 25.9	1.232	2.221	6.7	19.8
9 18	23 53.77	− 1 16.2	1.199	2.203	1.3	19.4
9 28	23 44.62	− 2 8.9	1.191	2.186	4.3	19.6
10 8	23 36.29	− 2 55.4	1.209	2.169	9.7	19.8
10 18	23 29.95	− 3 28.8	1.248	2.153	14.6	20.1
10 28	23 26.46	− 3 44.1	1.308	2.138	18.8	20.3

361780 2008 AW_{84} 9 20.5 286°.98 0°.1/20.5 18

8 19	0 15.13	+ 0 21.2	1.901	2.774	12.8	21.5
8 29	0 9.76	+ 0 8.8	1.813	2.754	9.4	21.2
9 8	0 2.43	− 0 13.5	1.748	2.734	5.5	20.9
9 18	23 53.77	− 0 42.5	1.710	2.714	1.1	20.6
9 28	23 44.67	− 1 13.5	1.699	2.693	3.4	20.7
10 8	23 36.15	− 1 41.0	1.716	2.673	7.7	21.0
10 18	23 29.14	− 2 0.5	1.758	2.652	11.7	21.2
10 28	23 24.33	− 2 8.3	1.823	2.632	15.1	21.3

378527 2007 VK_{243} 9 20.5 239°.39 0°.7/19.3 16

8 19	0 7.83	− 2 7.5	3.546	4.414	7.5	21.8
8 29	0 3.68	− 2 42.4	3.463	4.404	5.4	21.7
9 8	23 58.60	− 3 22.1	3.406	4.393	3.0	21.5
9 18	23 52.95	− 4 4.0	3.379	4.383	0.8	21.3
9 28	23 47.17	− 4 44.9	3.382	4.372	2.4	21.4
10 8	23 41.70	− 5 21.7	3.415	4.360	4.8	21.6
10 18	23 36.98	− 5 51.9	3.476	4.349	7.1	21.7
10 28	23 33.34	− 6 13.5	3.562	4.337	9.1	21.9

132611 2002 KE_{14} 9 20.5 119°.08 6°.3/13.3 18

8 19	0 14.57	−16 31.8	1.982	2.876	11.4	20.2
8 29	0 9.00	−18 8.8	1.946	2.891	8.6	20.0
9 8	0 1.77	−19 41.2	1.935	2.905	6.6	19.9
9 18	23 53.59	−21 0.8	1.952	2.919	6.5	20.0
9 28	23 45.37	−22 0.7	1.996	2.933	8.4	20.1
10 8	23 38.02	−22 37.0	2.065	2.946	11.0	20.3
10 18	23 32.23	−22 49.0	2.157	2.958	13.5	20.5
10 28	23 28.51	−22 38.4	2.268	2.970	15.6	20.7

227407 2005 UN_{446} 9 20.5 32°.20 5°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.06	+13 41.9	1.239	2.094	19.4	19.9
8 29	0 8.01	+13 36.0	1.186	2.104	15.3	19.7
9 8	0 1.55	+13 1.0	1.152	2.116	10.8	19.5
9 18	23 53.59	+11 59.1	1.139	2.128	6.6	19.3
9 28	23 45.43	+10 37.4	1.150	2.140	5.5	19.3
10 8	23 38.42	+ 9 7.0	1.185	2.154	8.8	19.5
10 18	23 33.58	+ 7 39.5	1.243	2.168	13.0	19.8
10 28	23 31.57	+ 6 24.5	1.322	2.182	16.8	20.1

84286 2002 TH_{27} 9 20.5 299°.12 2°.6/18.5 18

8 19	0 17.10	− 6 55.9	1.752	2.641	12.9	19.3
8 29	0 11.32	− 7 13.4	1.669	2.619	9.4	19.0
9 8	0 3.39	− 7 35.0	1.610	2.598	5.5	18.8
9 18	23 53.98	− 7 55.4	1.576	2.577	2.6	18.5
9 28	23 44.13	− 8 9.2	1.571	2.556	5.2	18.6
10 8	23 34.98	− 8 11.6	1.591	2.535	9.4	18.9
10 18	23 27.52	− 7 59.6	1.637	2.515	13.3	19.0
10 28	23 22.50	− 7 32.2	1.703	2.494	16.8	19.2

187316 2005 UG_{40} 9 20.5 139°.56 0°.3/20.8 18

8 19	0 11.75	+ 2 23.1	2.330	3.193	11.1	21.1
8 29	0 6.84	+ 1 49.8	2.262	3.198	8.1	21.0
9 8	0 0.53	+ 1 6.6	2.219	3.202	4.7	20.8
9 18	23 53.37	+ 0 16.9	2.203	3.207	1.1	20.5
9 28	23 46.06	− 0 34.5	2.216	3.211	2.6	20.6
10 8	23 39.35	− 1 22.7	2.258	3.215	6.2	20.9
10 18	23 33.85	− 2 3.2	2.327	3.218	9.3	21.1
10 28	23 30.05	− 2 32.9	2.420	3.222	12.1	21.3

295746 2008 UN_{100} 9 20.5 319°.22 1°.8/17.3 16

8 19	0 7.94	− 9 33.1	4.186	5.064	6.3	19.8
8 29	0 3.60	− 9 50.1	4.115	5.061	4.5	19.7
9 8	23 58.51	−10 7.5	4.073	5.057	2.7	19.6
9 18	23 52.96	−10 23.0	4.059	5.054	1.8	19.5
9 28	23 47.33	−10 34.5	4.076	5.051	2.9	19.6
10 8	23 42.02	−10 40.2	4.122	5.048	4.7	19.7
10 18	23 37.35	−10 38.9	4.195	5.044	6.5	19.8
10 28	23 33.64	−10 29.7	4.294	5.041	8.1	19.9

386970 2012 HN_{15} 9 20.5 329°.06 23°.1/ 6.9 17

8 19	0 37.55	−45 16.6	0.951	1.797	24.5	20.8
8 29	0 27.78	−46 51.1	0.931	1.793	23.5	20.7
9 8	0 13.12	−47 37.4	0.925	1.790	23.1	20.7
9 18	23 55.87	−47 19.4	0.934	1.788	23.6	20.7
9 28	23 39.26	−45 50.9	0.957	1.785	24.9	20.8
10 8	23 26.06	−43 19.8	0.994	1.783	26.6	20.9
10 18	23 17.67	−40 1.1	1.045	1.781	28.5	21.1
10 28	23 14.33	−36 11.5	1.108	1.780	30.2	21.3

379601 2011 CZ_{45} 9 20.5 355°.13 0°.8/20.0 18

8 19	0 16.59	− 2 6.2	1.179	2.079	17.0	20.0
8 29	0 11.49	− 2 7.8	1.120	2.075	12.4	19.8
9 8	0 3.66	− 2 19.9	1.082	2.072	7.0	19.5
9 18	23 54.06	− 2 37.4	1.066	2.070	1.4	19.1
9 28	23 44.13	− 2 53.7	1.075	2.069	4.8	19.3
10 8	23 35.38	− 3 2.1	1.107	2.069	10.3	19.7
10 18	23 29.02	− 2 58.0	1.162	2.069	15.2	19.9
10 28	23 25.80	− 2 38.8	1.235	2.071	19.3	20.2

254129 2004 PX_{15} 9 20.5 359°.62 2°.3/22.7 18

8 19	0 14.45	+ 6 31.3	2.022	2.872	13.1	19.7
8 29	0 9.05	+ 6 40.2	1.948	2.872	9.9	19.5
9 8	0 1.92	+ 6 36.0	1.898	2.871	6.4	19.3
9 18	23 53.69	+ 6 20.5	1.874	2.871	3.0	19.1
9 28	23 45.22	+ 5 56.9	1.878	2.871	3.2	19.1
10 8	23 37.41	+ 5 30.0	1.909	2.872	6.6	19.3
10 18	23 31.06	+ 5 4.6	1.967	2.872	10.1	19.5
10 28	23 26.74	+ 4 45.0	2.049	2.873	13.1	19.7

90858 1996 HJ_{19} 9 20.5 229°.41 2°.0/18.1 18

8 19	0 12.37	− 6 0.4	2.483	3.364	9.9	20.0
8 29	0 7.27	− 6 38.8	2.411	3.358	7.1	19.8
9 8	0 0.80	− 7 21.3	2.364	3.352	4.0	19.6
9 18	23 53.47	− 8 3.5	2.345	3.345	2.0	19.4
9 28	23 45.95	− 8 40.9	2.355	3.338	4.0	19.5
10 8	23 38.97	− 9 9.5	2.394	3.331	7.0	19.7
10 18	23 33.14	− 9 26.4	2.459	3.324	9.9	19.9
10 28	23 28.95	− 9 30.1	2.547	3.316	12.4	20.1

444634 2006 WZ_{102} 9 20.5 241°.29 0°.4/20.9 18

8 19	0 12.36	+ 2 41.2	2.124	2.989	12.0	21.8
8 29	0 7.48	+ 2 11.4	2.048	2.985	8.8	21.6
9 8	0 1.00	+ 1 30.4	1.997	2.980	5.1	21.4
9 18	23 53.52	+ 0 41.5	1.972	2.976	1.3	21.1
9 28	23 45.80	− 0 10.2	1.976	2.971	2.8	21.2
10 8	23 38.69	− 0 59.0	2.009	2.967	6.7	21.5
10 18	23 32.91	− 1 40.0	2.067	2.962	10.2	21.7
10 28	23 29.00	− 2 9.6	2.149	2.957	13.2	21.9

5567 Durisen 9 20.5 24°.27 2°.8/18.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.87	− 8 45.3	1.453	2.347	14.8	14.9
8 29	0 13.93	− 8 30.2	1.406	2.358	10.6	14.7
9 8	0 4.73	− 8 15.5	1.382	2.371	6.2	14.5
9 18	23 54.26	− 7 57.1	1.383	2.384	2.8	14.3
9 28	23 43.80	− 7 31.2	1.411	2.398	5.3	14.5
10 8	23 34.60	− 6 55.3	1.465	2.413	9.6	14.8
10 18	23 27.61	− 6 9.0	1.543	2.429	13.5	15.1
10 28	23 23.38	− 5 12.6	1.642	2.446	16.8	15.3

278523 2008 DY_{46} 9 20.5 251°.52 2°.0/18.8 18

8 19	0 16.67	− 3 28.6	1.604	2.492	14.0	20.9
8 29	0 11.12	− 4 13.1	1.529	2.479	10.1	20.6
9 8	0 3.33	− 5 7.2	1.477	2.466	5.7	20.4
9 18	23 54.03	− 6 4.6	1.451	2.453	2.1	20.1
9 28	23 44.32	− 6 57.7	1.452	2.440	5.1	20.3
10 8	23 35.41	− 7 39.2	1.479	2.426	9.6	20.5
10 18	23 28.33	− 8 4.2	1.530	2.412	13.9	20.7
10 28	23 23.82	− 8 10.1	1.601	2.397	17.5	20.9

266282 2007 BA_{7} 9 20.5 180°.39 1°.8/18.8 18

8 19	0 15.92	− 3 9.0	1.884	2.765	12.6	21.1
8 29	0 10.16	− 3 59.8	1.819	2.766	9.0	20.9
9 8	0 2.57	− 4 58.6	1.778	2.767	5.0	20.7
9 18	23 53.85	− 5 59.8	1.765	2.767	1.8	20.5
9 28	23 44.92	− 6 56.5	1.779	2.767	4.4	20.7
10 8	23 36.78	− 7 42.7	1.822	2.766	8.4	20.9
10 18	23 30.22	− 8 14.1	1.889	2.764	12.0	21.1
10 28	23 25.83	− 8 28.6	1.979	2.762	15.0	21.3

223403 2003 SU_{143} 9 20.5 27°.60 3°.4/24.6 18

8 19	0 9.68	+12 25.1	2.118	2.948	13.3	19.5
8 29	0 5.55	+12 1.8	2.046	2.952	10.4	19.3
9 8	23 59.90	+11 20.2	1.996	2.956	7.2	19.1
9 18	23 53.31	+10 22.5	1.972	2.961	4.2	18.9
9 28	23 46.54	+ 9 13.2	1.975	2.965	3.6	18.9
10 8	23 40.39	+ 7 58.8	2.006	2.970	6.2	19.1
10 18	23 35.54	+ 6 45.9	2.064	2.975	9.3	19.3
10 28	23 32.51	+ 5 40.6	2.146	2.981	12.2	19.5

35209 1994 PJ_{38} 9 20.5 310°.89 3°.3/23.7 18

8 19	0 13.59	+ 9 42.7	2.039	2.877	13.4	19.2
8 29	0 8.50	+ 9 51.0	1.959	2.872	10.4	19.0
9 8	0 1.66	+ 9 43.9	1.901	2.866	7.1	18.8
9 18	23 53.68	+ 9 22.4	1.870	2.861	4.0	18.6
9 28	23 45.41	+ 8 49.6	1.865	2.856	3.7	18.6
10 8	23 37.75	+ 8 10.7	1.889	2.851	6.6	18.8
10 18	23 31.50	+ 7 31.1	1.938	2.846	10.0	19.0
10 28	23 27.27	+ 6 56.4	2.012	2.842	13.1	19.2

484891 2009 QQ_{58} 9 20.5 0°.84 0°.7/21.1 17

8 19	0 14.41	+ 1 33.7	1.863	2.735	13.1	21.1
8 29	0 9.12	+ 1 36.6	1.795	2.734	9.6	20.9
9 8	0 2.00	+ 1 29.4	1.749	2.733	5.7	20.7
9 18	23 53.75	+ 1 15.1	1.730	2.733	1.5	20.4
9 28	23 45.26	+ 0 57.5	1.738	2.734	3.1	20.5
10 8	23 37.52	+ 0 41.4	1.774	2.735	7.2	20.8
10 18	23 31.34	+ 0 30.8	1.835	2.736	10.9	21.0
10 28	23 27.30	+ 0 29.0	1.919	2.738	14.1	21.2

476838 2008 UO_{298} 9 20.5 346°.74 2°.1/19.2 18

8 19	0 15.09	− 4 57.2	1.236	2.141	16.0	20.4
8 29	0 10.37	− 5 5.9	1.174	2.132	11.6	20.1
9 8	0 3.04	− 5 21.4	1.132	2.124	6.6	19.8
9 18	23 53.99	− 5 38.3	1.113	2.117	2.2	19.5
9 28	23 44.56	− 5 49.5	1.119	2.111	5.4	19.7
10 8	23 36.21	− 5 49.1	1.149	2.106	10.6	20.0
10 18	23 30.11	− 5 33.7	1.200	2.102	15.3	20.3
10 28	23 27.02	− 5 1.7	1.271	2.100	19.3	20.5

470601 2008 QB_{15} 9 20.5 355°.68 0°.4/20.0 16

8 19	0 5.54	+ 6 17.0	1.234	2.125	17.0	20.3
8 29	0 3.37	+ 4 12.2	1.170	2.121	12.4	20.0
9 8	23 58.99	+ 1 37.9	1.128	2.117	7.1	19.7
9 18	23 53.16	− 1 15.1	1.111	2.115	1.3	19.3
9 28	23 47.03	− 4 10.2	1.120	2.114	4.7	19.6
10 8	23 41.83	− 6 50.1	1.154	2.113	10.3	19.9
10 18	23 38.53	− 9 1.7	1.212	2.114	15.2	20.2
10 28	23 37.82	−10 38.0	1.290	2.116	19.2	20.5

174962 2004 DP_{4} 9 20.5 224°.17 0°.5/20.0 18

8 19	0 14.12	− 0 27.5	1.981	2.855	12.3	20.4
8 29	0 8.83	− 0 55.2	1.910	2.853	8.9	20.2
9 8	0 1.81	− 1 32.1	1.864	2.851	5.0	19.9
9 18	23 53.72	− 2 14.1	1.844	2.848	1.0	19.7
9 28	23 45.40	− 2 55.8	1.853	2.846	3.4	19.8
10 8	23 37.77	− 3 31.9	1.889	2.843	7.4	20.1
10 18	23 31.60	− 3 58.1	1.952	2.840	11.0	20.3
10 28	23 27.47	− 4 11.4	2.036	2.837	14.0	20.5

516967 2012 EL_2 9 20.5 183°.34 1°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.85	− 4 31.0	2.724	3.604	9.2	21.7
8 29	0 5.37	− 5 43.4	2.657	3.604	6.5	21.5
9 8	23 59.69	− 7 1.2	2.616	3.604	3.7	21.3
9 18	23 53.28	− 8 19.6	2.604	3.603	1.9	21.2
9 28	23 46.73	− 9 33.2	2.622	3.602	3.9	21.3
10 8	23 40.65	−10 37.1	2.669	3.601	6.7	21.5
10 18	23 35.57	−11 28.0	2.744	3.600	9.3	21.7
10 28	23 31.94	−12 3.7	2.842	3.598	11.6	21.9

401223 2011 YA_{71} 9 20.5 144°.57 7°.2/10.2 18

8 19	0 12.45	−23 53.0	2.474	3.356	9.9	20.9
8 29	0 7.36	−25 27.1	2.438	3.363	8.1	20.8
9 8	0 0.86	−26 52.6	2.428	3.369	7.2	20.8
9 18	23 53.51	−28 2.7	2.444	3.375	7.6	20.8
9 28	23 46.07	−28 52.3	2.487	3.380	9.0	20.9
10 8	23 39.28	−29 18.7	2.555	3.386	10.8	21.1
10 18	23 33.78	−29 22.0	2.645	3.391	12.7	21.2
10 28	23 30.04	−29 4.0	2.752	3.395	14.2	21.4

104757 2000 HF_{16} 9 20.5 150°.39 1°.3/19.3 18

8 19	0 16.06	− 1 38.6	1.835	2.713	13.0	20.5
8 29	0 10.25	− 2 26.6	1.775	2.720	9.3	20.3
9 8	0 2.62	− 3 23.8	1.739	2.727	5.2	20.1
9 18	23 53.88	− 4 24.5	1.729	2.733	1.4	19.9
9 28	23 44.99	− 5 22.2	1.749	2.739	4.1	20.1
10 8	23 36.94	− 6 10.3	1.796	2.744	8.1	20.3
10 18	23 30.52	− 6 44.7	1.868	2.749	11.8	20.6
10 28	23 26.31	− 7 2.7	1.962	2.753	14.9	20.8

399091 2014 DG_{32} 9 20.5 349°.68 1°.5/17.6 17

8 19	0 5.65	− 7 6.6	4.022	4.902	6.4	20.8
8 29	0 2.04	− 7 40.8	3.954	4.901	4.6	20.6
9 8	23 57.68	− 8 16.8	3.913	4.900	2.6	20.5
9 18	23 52.87	− 8 52.0	3.901	4.899	1.5	20.4
9 28	23 47.97	− 9 23.8	3.919	4.899	2.8	20.5
10 8	23 43.37	− 9 49.9	3.966	4.898	4.7	20.6
10 18	23 39.41	−10 8.5	4.041	4.897	6.6	20.8
10 28	23 36.38	−10 18.4	4.140	4.896	8.2	20.9

344120 1999 VM_{142} 9 20.5 268°.21 0°.3/20.2 18

8 19	0 13.02	+ 1 7.1	1.793	2.670	13.3	21.5
8 29	0 8.21	+ 0 26.1	1.721	2.665	9.6	21.2
9 8	0 1.55	− 0 27.2	1.673	2.660	5.5	21.0
9 18	23 53.68	− 1 28.2	1.651	2.655	1.1	20.7
9 28	23 45.56	− 2 30.0	1.657	2.650	3.5	20.9
10 8	23 38.15	− 3 25.8	1.690	2.646	7.9	21.1
10 18	23 32.31	− 4 9.8	1.748	2.641	11.8	21.3
10 28	23 28.65	− 4 38.3	1.827	2.636	15.1	21.6

421525 2014 OS_{117} 9 20.5 15°.84 3°.4/24.0 17

8 19	0 13.18	+10 20.9	2.053	2.889	13.5	21.5
8 29	0 8.15	+10 29.0	1.980	2.890	10.5	21.4
9 8	0 1.44	+10 21.4	1.929	2.892	7.2	21.2
9 18	23 53.66	+ 9 59.1	1.904	2.894	4.2	21.0
9 28	23 45.64	+ 9 25.4	1.906	2.896	3.8	21.0
10 8	23 38.28	+ 8 45.4	1.936	2.898	6.5	21.1
10 18	23 32.33	+ 8 4.6	1.992	2.900	9.8	21.3
10 28	23 28.35	+ 7 28.3	2.071	2.903	12.7	21.5

449389 2013 GL_{107} 9 20.5 67°.25 7°.4/13.0 18

8 19	0 17.69	−23 40.1	2.151	3.031	11.3	20.8
8 29	0 11.21	−24 26.8	2.107	3.034	9.1	20.6
9 8	0 3.06	−25 3.2	2.088	3.038	7.6	20.6
9 18	23 53.96	−25 23.5	2.095	3.042	7.6	20.6
9 28	23 44.85	−25 23.1	2.128	3.046	9.1	20.7
10 8	23 36.63	−25 0.5	2.186	3.050	11.2	20.8
10 18	23 30.03	−24 16.9	2.267	3.054	13.4	21.0
10 28	23 25.54	−23 14.9	2.368	3.058	15.3	21.1

394249 2006 TO_{104} 9 20.5 18°.34 5°.7/15.9 18

8 19	0 15.32	−14 4.3	1.553	2.456	13.5	20.0
8 29	0 9.95	−14 50.2	1.507	2.460	9.9	19.8
9 8	0 2.51	−15 33.0	1.484	2.466	6.8	19.6
9 18	23 53.87	−16 5.1	1.485	2.471	5.8	19.6
9 28	23 45.14	−16 20.2	1.513	2.478	8.0	19.7
10 8	23 37.47	−16 14.4	1.564	2.485	11.3	19.9
10 18	23 31.71	−15 47.5	1.639	2.492	14.6	20.2
10 28	23 28.44	−15 1.1	1.732	2.500	17.4	20.4

40758 1999 TT_8 9 20.5 10°.62 3°.0/23.7 18

8 19	0 9.26	+10 18.4	1.727	2.579	14.9	18.0
8 29	0 5.53	+ 9 51.2	1.659	2.581	11.4	17.8
9 8	0 0.01	+ 9 3.7	1.614	2.584	7.6	17.5
9 18	23 53.37	+ 7 58.9	1.592	2.588	4.0	17.3
9 28	23 46.52	+ 6 43.0	1.598	2.592	3.6	17.3
10 8	23 40.41	+ 5 23.8	1.630	2.597	7.0	17.6
10 18	23 35.84	+ 4 9.2	1.687	2.602	10.8	17.8
10 28	23 33.40	+ 3 6.2	1.767	2.608	14.2	18.0

476005 2007 RL_{66} 9 20.5 347°.55 2°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.45	+ 5 15.1	1.417	2.289	16.4	20.6
8 29	0 11.18	+ 5 46.0	1.347	2.282	12.5	20.4
9 8	0 3.46	+ 6 1.9	1.298	2.277	8.0	20.1
9 18	23 54.11	+ 6 3.8	1.273	2.272	3.7	19.9
9 28	23 44.33	+ 5 55.1	1.273	2.268	4.1	19.9
10 8	23 35.47	+ 5 41.4	1.299	2.264	8.6	20.1
10 18	23 28.65	+ 5 28.5	1.348	2.262	13.0	20.4
10 28	23 24.65	+ 5 22.2	1.418	2.260	16.9	20.6

374847 2006 UK_{336} 9 20.5 9°.19 0°.5/20.2 13 C

8 19	0 12.28	− 0 26.8	0.970	1.882	18.6	20.6
8 29	0 8.63	− 0 40.7	0.923	1.884	13.5	20.3
9 8	0 2.13	− 1 10.0	0.894	1.887	7.7	20.0
9 18	23 53.83	− 1 48.0	0.887	1.891	1.5	19.6
9 28	23 45.28	− 2 25.8	0.902	1.897	5.0	19.9
10 8	23 38.10	− 2 54.1	0.938	1.905	10.9	20.2
10 18	23 33.48	− 3 6.7	0.995	1.914	16.1	20.6
10 28	23 32.10	− 3 0.1	1.070	1.925	20.3	20.9

395397 2011 SJ_{107} 9 20.5 9°.24 7°.4/14.8 16

8 19	0 18.83	−19 39.5	1.632	2.526	13.4	20.6
8 29	0 12.44	−20 17.9	1.585	2.527	10.4	20.4
9 8	0 3.92	−20 47.4	1.560	2.529	8.0	20.2
9 18	23 54.16	−21 0.7	1.561	2.531	7.6	20.2
9 28	23 44.34	−20 52.2	1.586	2.533	9.4	20.3
10 8	23 35.64	−20 20.0	1.637	2.536	12.3	20.5
10 18	23 28.97	−19 25.4	1.709	2.540	15.2	20.7
10 28	23 24.87	−18 11.8	1.801	2.543	17.8	20.9

318823 2005 SR_{211} 9 20.5 314°.68 0°.4/20.2 15

8 19	0 12.38	− 0 4.1	1.889	2.768	12.6	21.9
8 29	0 7.72	− 0 30.3	1.813	2.757	9.2	21.7
9 8	0 1.27	− 1 6.7	1.760	2.747	5.2	21.5
9 18	23 53.65	− 1 49.2	1.733	2.737	1.0	21.1
9 28	23 45.73	− 2 32.2	1.734	2.728	3.4	21.3
10 8	23 38.47	− 3 10.1	1.762	2.718	7.6	21.5
10 18	23 32.67	− 3 37.9	1.815	2.709	11.4	21.8
10 28	23 28.95	− 3 52.4	1.891	2.700	14.6	22.0

400964 2010 WZ_2 9 20.5 10°.74 9°.7/30.9 17

8 19	0 8.83	+24 53.6	1.505	2.290	19.8	20.3
8 29	0 5.62	+25 27.6	1.441	2.295	17.1	20.1
9 8	0 0.24	+25 29.0	1.394	2.300	14.1	19.9
9 18	23 53.44	+24 55.6	1.366	2.307	11.4	19.8
9 28	23 46.34	+23 49.4	1.360	2.315	9.8	19.7
10 8	23 40.13	+22 18.2	1.378	2.325	10.2	19.8
10 18	23 35.79	+20 32.6	1.419	2.335	12.3	19.9
10 28	23 34.01	+18 44.9	1.482	2.347	15.0	20.1

40246 1998 WV_{18} 9 20.5 167°.71 2°.8/25.6 18

8 19	0 7.95	+14 27.2	3.675	4.469	8.9	18.8
8 29	0 3.79	+14 13.3	3.591	4.472	7.1	18.7
9 8	23 58.72	+13 47.9	3.532	4.474	5.1	18.5
9 18	23 53.11	+13 12.1	3.499	4.476	3.4	18.4
9 28	23 47.38	+12 28.1	3.496	4.478	2.9	18.4
10 8	23 41.99	+11 38.9	3.523	4.480	4.1	18.5
10 18	23 37.34	+10 47.9	3.579	4.481	6.0	18.6
10 28	23 33.78	+ 9 58.7	3.661	4.483	7.9	18.7

111517 2001 YC_{92} 9 20.5 34°.67 5°.3/25.6 18 R

8 19	0 14.30	+14 31.7	1.834	2.655	15.4	18.8
8 29	0 9.13	+14 57.1	1.768	2.663	12.4	18.6
9 8	0 2.07	+15 2.5	1.723	2.671	9.1	18.4
9 18	23 53.81	+14 47.7	1.702	2.680	6.3	18.3
9 28	23 45.33	+14 15.7	1.707	2.688	5.4	18.3
10 8	23 37.62	+13 31.8	1.739	2.698	7.5	18.4
10 18	23 31.54	+12 42.9	1.796	2.707	10.5	18.6
10 28	23 27.69	+11 56.0	1.876	2.717	13.5	18.8

393532 2002 TH_{306} 9 20.5 166°.40 4°.6/15.7 18

8 19	0 15.69	−13 20.4	2.121	3.010	11.0	21.3
8 29	0 9.82	−14 13.3	2.066	3.012	8.1	21.1
9 8	0 2.32	−15 4.6	2.035	3.015	5.5	21.0
9 18	23 53.85	−15 48.4	2.033	3.017	4.7	20.9
9 28	23 45.27	−16 19.2	2.058	3.019	6.5	21.1
10 8	23 37.43	−16 33.3	2.110	3.020	9.4	21.2
10 18	23 31.07	−16 29.3	2.187	3.021	12.1	21.4
10 28	23 26.71	−16 7.8	2.284	3.022	14.5	21.6

235808 2004 XY_{55} 9 20.5 142°.60 2°.7/17.9 18

8 19	0 15.43	− 6 29.5	1.941	2.827	12.0	20.9
8 29	0 9.73	− 7 17.4	1.883	2.833	8.5	20.7
9 8	0 2.31	− 8 9.6	1.851	2.839	4.9	20.5
9 18	23 53.85	− 9 0.4	1.845	2.844	2.7	20.4
9 28	23 45.27	− 9 43.6	1.868	2.849	5.0	20.6
10 8	23 37.49	−10 14.2	1.918	2.854	8.5	20.8
10 18	23 31.26	−10 29.4	1.993	2.859	11.8	21.0
10 28	23 27.12	−10 28.1	2.089	2.863	14.6	21.2

466651 2014 WY_{67} 9 20.5 248°.30 4°.5/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.78	− 7 47.4	1.317	2.220	15.4	21.1
8 29	0 11.46	− 8 56.5	1.259	2.217	11.1	20.8
9 8	0 3.62	−10 11.8	1.224	2.213	6.7	20.6
9 18	23 54.15	−11 23.8	1.213	2.210	4.5	20.4
9 28	23 44.39	−12 22.2	1.227	2.206	7.5	20.6
10 8	23 35.73	−12 59.1	1.266	2.202	12.0	20.9
10 18	23 29.27	−13 11.1	1.326	2.199	16.2	21.1
10 28	23 25.74	−12 57.9	1.405	2.195	19.8	21.3

262377 2006 TX_{102} 9 20.5 265°.09 1°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.66	+ 4 27.8	1.644	2.511	14.8	21.5
8 29	0 10.48	+ 4 1.2	1.557	2.493	11.1	21.2
9 8	0 3.06	+ 3 17.7	1.491	2.473	6.7	20.9
9 18	23 54.07	+ 2 20.9	1.451	2.454	2.1	20.6
9 28	23 44.54	+ 1 16.9	1.438	2.434	3.5	20.7
10 8	23 35.67	+ 0 13.7	1.452	2.413	8.4	20.9
10 18	23 28.52	− 0 41.1	1.491	2.393	12.9	21.1
10 28	23 23.90	− 1 21.5	1.551	2.372	16.8	21.3

387786 2003 UZ_{306} 9 20.5 157°.44 0°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.19	− 1 43.3	2.052	2.923	12.1	21.1
8 29	0 10.95	− 2 1.3	1.986	2.928	8.7	20.9
9 8	0 3.00	− 2 26.5	1.945	2.932	4.9	20.7
9 18	23 54.01	− 2 55.2	1.932	2.936	1.0	20.4
9 28	23 44.86	− 3 22.6	1.947	2.939	3.4	20.6
10 8	23 36.46	− 3 44.4	1.991	2.943	7.2	20.9
10 18	23 29.56	− 3 57.1	2.062	2.945	10.7	21.1
10 28	23 24.73	− 3 58.3	2.155	2.948	13.6	21.3

266834 2009 UJ_{15} 9 20.5 290°.67 2°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.76	− 5 54.3	2.226	3.114	10.6	20.8
8 29	0 6.32	− 6 47.7	2.152	3.103	7.6	20.6
9 8	0 0.38	− 7 46.4	2.104	3.092	4.4	20.4
9 18	23 53.48	− 8 45.4	2.082	3.081	2.4	20.2
9 28	23 46.36	− 9 38.6	2.089	3.071	4.6	20.3
10 8	23 39.78	−10 21.1	2.124	3.060	7.9	20.5
10 18	23 34.43	−10 49.3	2.184	3.049	11.0	20.7
10 28	23 30.84	−11 1.2	2.266	3.039	13.7	20.9

111681 2002 BC_{23} 9 20.5 348°.76 9°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.09	−22 27.4	1.401	2.303	14.7	18.2
8 29	0 10.89	−23 17.4	1.350	2.293	11.8	18.0
9 8	0 3.24	−23 55.3	1.321	2.284	9.8	17.8
9 18	23 54.07	−24 11.8	1.315	2.276	9.7	17.8
9 28	23 44.73	−23 59.7	1.332	2.269	11.7	17.9
10 8	23 36.56	−23 17.1	1.371	2.264	14.6	18.1
10 18	23 30.59	−22 6.1	1.430	2.260	17.7	18.3
10 28	23 27.48	−20 31.6	1.507	2.257	20.4	18.5

80308 1999 XX_{71} 9 20.5 173°.39 0°.6/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.34	+ 3 31.9	1.826	2.689	13.7	20.4
8 29	0 10.56	+ 2 57.1	1.757	2.692	10.1	20.2
9 8	0 2.88	+ 2 8.4	1.712	2.694	5.9	20.0
9 18	23 54.00	+ 1 10.1	1.693	2.696	1.6	19.7
9 28	23 44.90	+ 0 8.4	1.702	2.697	3.2	19.8
10 8	23 36.59	− 0 49.9	1.740	2.698	7.5	20.1
10 18	23 29.92	− 1 38.7	1.803	2.698	11.4	20.3
10 28	23 25.49	− 2 13.7	1.889	2.697	14.7	20.6

323025 2002 QS_{28} 9 20.5 49°.51 5°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.71	− 9 39.2	1.200	2.112	15.8	19.9
8 29	0 9.87	−11 8.2	1.165	2.125	11.4	19.7
9 8	0 2.60	−12 39.5	1.150	2.138	7.2	19.5
9 18	23 53.93	−14 1.5	1.160	2.152	5.8	19.4
9 28	23 45.23	−15 3.4	1.194	2.166	8.6	19.7
10 8	23 37.85	−15 38.6	1.251	2.180	12.7	19.9
10 18	23 32.75	−15 45.4	1.329	2.195	16.6	20.2
10 28	23 30.49	−15 25.4	1.424	2.210	19.7	20.5

391960 2008 WO_{80} 9 20.5 207°.17 8°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.55	−26 27.1	2.089	2.965	11.7	21.3
8 29	0 11.33	−27 49.3	2.044	2.961	9.8	21.1
9 8	0 3.26	−28 59.8	2.023	2.957	8.9	21.1
9 18	23 54.07	−29 50.8	2.027	2.952	9.2	21.1
9 28	23 44.74	−30 16.6	2.057	2.947	10.8	21.2
10 8	23 36.27	−30 14.8	2.111	2.941	12.8	21.3
10 18	23 29.47	−29 46.5	2.185	2.935	14.9	21.5
10 28	23 24.92	−28 54.8	2.277	2.929	16.7	21.6

261670 2005 YF_{162} 9 20.5 272°.30 9°.8/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.76	+32 27.7	2.403	3.082	15.8	20.3
8 29	0 8.74	+33 14.1	2.315	3.077	14.2	20.2
9 8	0 1.90	+33 35.8	2.244	3.072	12.5	20.0
9 18	23 53.82	+33 29.9	2.193	3.067	11.0	19.9
9 28	23 45.34	+32 55.7	2.165	3.062	10.0	19.9
10 8	23 37.41	+31 56.1	2.162	3.057	9.9	19.8
10 18	23 30.87	+30 37.0	2.183	3.052	10.8	19.9
10 28	23 26.39	+29 6.5	2.227	3.047	12.4	20.0

379196 2009 SD_{38} 9 20.5 121°.20 1°.0/19.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.49	− 1 53.5	1.615	2.495	14.3	21.0
8 29	0 12.22	− 2 15.4	1.556	2.502	10.3	20.8
9 8	0 3.85	− 2 46.2	1.521	2.509	5.8	20.6
9 18	23 54.20	− 3 21.0	1.512	2.516	1.3	20.3
9 28	23 44.39	− 3 53.7	1.530	2.522	4.1	20.5
10 8	23 35.57	− 4 18.4	1.575	2.529	8.6	20.8
10 18	23 28.65	− 4 31.3	1.645	2.535	12.6	21.0
10 28	23 24.25	− 4 29.8	1.736	2.540	16.0	21.3

81476 2000 GH_{141} 9 20.5 55°.64 6°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.51	−11 50.7	1.278	2.188	15.2	18.9
8 29	0 10.22	−13 24.7	1.253	2.211	11.0	18.7
9 8	0 2.68	−14 56.5	1.249	2.233	7.4	18.6
9 18	23 53.93	−16 15.3	1.270	2.256	6.5	18.6
9 28	23 45.29	−17 11.4	1.315	2.280	9.0	18.8
10 8	23 37.99	−17 40.0	1.384	2.303	12.6	19.1
10 18	23 32.90	−17 40.6	1.474	2.327	16.0	19.3
10 28	23 30.50	−17 15.9	1.582	2.350	18.8	19.6

160543 1998 GW_{8} 9 20.5 118°.74 7°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.35	−20 10.8	1.839	2.729	12.3	19.2
8 29	0 11.18	−21 27.3	1.801	2.739	9.6	19.1
9 8	0 3.15	−22 35.6	1.788	2.749	7.8	19.0
9 18	23 54.05	−23 27.5	1.800	2.759	7.8	19.0
9 28	23 44.93	−23 56.9	1.839	2.768	9.5	19.2
10 8	23 36.80	−24 1.0	1.902	2.777	12.0	19.3
10 18	23 30.47	−23 40.4	1.987	2.786	14.5	19.5
10 28	23 26.45	−22 57.9	2.091	2.795	16.7	19.7

222049 1998 UT_{50} 9 20.5 254°.65 1°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.37	−10 38.6	4.502	5.384	5.8	20.4
8 29	0 2.52	−11 6.7	4.431	5.377	4.2	20.3
9 8	23 57.97	−11 34.8	4.386	5.370	2.6	20.1
9 18	23 52.99	−12 0.9	4.371	5.363	1.9	20.1
9 28	23 47.94	−12 22.7	4.386	5.356	3.0	20.2
10 8	23 43.14	−12 38.2	4.431	5.349	4.6	20.3
10 18	23 38.93	−12 46.2	4.502	5.341	6.3	20.4
10 28	23 35.58	−12 45.8	4.598	5.334	7.7	20.5

402836 2007 GW_{31} 9 20.5 147°.88 4°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.14	−13 41.9	2.419	3.303	10.0	20.7
8 29	0 9.96	−14 11.9	2.362	3.306	7.4	20.5
9 8	0 2.35	−14 39.8	2.330	3.309	4.9	20.4
9 18	23 53.90	−15 0.9	2.327	3.312	4.0	20.3
9 28	23 45.36	−15 11.1	2.352	3.315	5.7	20.4
10 8	23 37.51	−15 8.0	2.405	3.318	8.2	20.6
10 18	23 30.99	−14 50.5	2.484	3.320	10.8	20.8
10 28	23 26.26	−14 19.2	2.584	3.323	13.0	20.9

351188 2004 CF_{44} 9 20.5 151°.07 2°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.95	− 4 22.8	1.986	2.872	11.8	21.2
8 29	0 7.97	− 5 16.6	1.924	2.874	8.4	21.0
9 8	0 1.35	− 6 17.0	1.887	2.876	4.7	20.8
9 18	23 53.71	− 7 18.2	1.876	2.877	2.1	20.6
9 28	23 45.90	− 8 13.9	1.894	2.879	4.5	20.8
10 8	23 38.81	− 8 58.4	1.939	2.880	8.1	21.0
10 18	23 33.15	− 9 28.1	2.010	2.882	11.5	21.2
10 28	23 29.46	− 9 40.9	2.102	2.883	14.3	21.4

286583 2002 CE_{228} 9 20.5 183°.67 0°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.88	+ 2 57.0	1.914	2.783	12.9	21.0
8 29	0 8.01	+ 1 56.0	1.844	2.783	9.4	20.8
9 8	0 1.42	+ 0 40.9	1.798	2.783	5.4	20.5
9 18	23 53.73	− 0 43.0	1.779	2.783	1.1	20.2
9 28	23 45.83	− 2 8.3	1.788	2.782	3.3	20.4
10 8	23 38.63	− 3 27.5	1.826	2.781	7.5	20.7
10 18	23 32.89	− 4 34.2	1.890	2.780	11.2	20.9
10 28	23 29.21	− 5 24.1	1.976	2.778	14.4	21.1

167287 2003 UF_{181} 9 20.5 270°.29 3°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.82	− 6 50.6	1.884	2.775	12.1	20.2
8 29	0 8.84	− 7 48.1	1.808	2.759	8.7	20.0
9 8	0 1.97	− 8 51.5	1.755	2.743	5.1	19.7
9 18	23 53.86	− 9 54.5	1.729	2.727	3.1	19.6
9 28	23 45.41	−10 50.0	1.731	2.711	5.6	19.7
10 8	23 37.60	−11 31.6	1.760	2.694	9.3	19.9
10 18	23 31.30	−11 55.5	1.813	2.677	12.9	20.1
10 28	23 27.15	−11 59.9	1.886	2.660	16.0	20.3

518016 2015 VQ_{114} 9 20.5 317°.06 1°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.95	+ 6 39.9	2.048	2.905	12.7	20.7
8 29	0 5.86	+ 6 2.4	1.970	2.899	9.5	20.5
9 8	0 0.19	+ 5 9.5	1.914	2.892	5.9	20.3
9 18	23 53.48	+ 4 4.4	1.885	2.886	2.3	20.0
9 28	23 46.53	+ 2 52.8	1.884	2.880	2.8	20.1
10 8	23 40.17	+ 1 41.3	1.911	2.874	6.5	20.3
10 18	23 35.11	+ 0 36.3	1.964	2.868	10.1	20.5
10 28	23 31.92	− 0 17.0	2.041	2.863	13.3	20.7

22010 1999 XM_{78} 9 20.5 336°.37 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 5.85	− 1 7.0	4.151	5.016	6.6	19.3
8 29	0 2.20	− 1 32.1	4.077	5.016	4.7	19.2
9 8	23 57.81	− 2 1.2	4.029	5.015	2.6	19.0
9 18	23 52.98	− 2 32.5	4.011	5.015	0.5	18.8
9 28	23 48.07	− 3 3.4	4.022	5.014	1.8	18.9
10 8	23 43.43	− 3 31.6	4.064	5.013	3.9	19.1
10 18	23 39.41	− 3 55.2	4.133	5.013	5.9	19.2
10 28	23 36.29	− 4 12.3	4.229	5.013	7.6	19.4

357162 2002 CP_{200} 9 20.5 146°.04 2°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.62	− 8 25.1	2.643	3.527	9.3	21.8
8 29	0 6.65	− 9 30.4	2.588	3.536	6.6	21.6
9 8	0 0.45	−10 37.9	2.559	3.545	4.0	21.5
9 18	23 53.53	−11 42.6	2.559	3.553	2.9	21.4
9 28	23 46.52	−12 39.4	2.589	3.560	4.6	21.5
10 8	23 40.06	−13 24.4	2.647	3.568	7.2	21.7
10 18	23 34.69	−13 54.9	2.731	3.575	9.7	21.9
10 28	23 30.84	−14 10.1	2.838	3.581	11.9	22.1

519447 2011 YN_{58} 9 20.5 226°.28 2°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.23	− 7 28.8	2.394	3.279	10.1	21.9
8 29	0 7.28	− 8 22.0	2.324	3.272	7.2	21.7
9 8	0 0.91	− 9 18.7	2.279	3.266	4.3	21.5
9 18	23 53.64	−10 14.1	2.262	3.258	2.7	21.4
9 28	23 46.18	−11 2.7	2.274	3.251	4.7	21.5
10 8	23 39.27	−11 40.0	2.314	3.243	7.7	21.7
10 18	23 33.54	−12 3.2	2.380	3.236	10.6	21.9
10 28	23 29.50	−12 10.9	2.468	3.227	13.0	22.1

511965 2015 KN_{17} 9 20.5 57°.64 8°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.53	−18 48.6	1.545	2.450	13.4	20.5
8 29	0 8.71	−20 41.9	1.515	2.462	10.4	20.3
9 8	0 1.85	−22 26.9	1.510	2.475	8.5	20.2
9 18	23 53.83	−23 52.9	1.528	2.488	8.8	20.3
9 28	23 45.77	−24 51.5	1.572	2.501	10.8	20.5
10 8	23 38.78	−25 19.0	1.639	2.515	13.6	20.7
10 18	23 33.70	−25 16.0	1.725	2.528	16.2	20.9
10 28	23 31.05	−24 45.6	1.829	2.542	18.5	21.1

433278 2013 AB_{119} 9 20.5 181°.19 0°.1/20.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 4.75	+ 1 1.4	4.959	5.814	5.8	22.3
8 29	0 1.32	+ 0 37.0	4.882	5.814	4.2	22.1
9 8	23 57.28	+ 0 8.5	4.831	5.814	2.4	22.0
9 18	23 52.88	− 0 22.6	4.810	5.814	0.5	21.8
9 28	23 48.41	− 0 54.3	4.820	5.814	1.4	21.9
10 8	23 44.17	− 1 24.6	4.860	5.814	3.2	22.1
10 18	23 40.43	− 1 51.6	4.929	5.813	4.9	22.2
10 28	23 37.43	− 2 13.8	5.024	5.813	6.4	22.3

369231 2008 UB_{276} 9 20.6 58°.56 2°.7/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.56	+11 3.0	2.416	3.246	11.9	21.1
8 29	0 5.33	+10 36.4	2.345	3.253	9.2	20.9
9 8	23 59.77	+ 9 54.5	2.298	3.261	6.2	20.8
9 18	23 53.41	+ 8 59.7	2.276	3.268	3.4	20.6
9 28	23 46.92	+ 7 56.0	2.284	3.275	3.0	20.6
10 8	23 40.97	+ 6 48.9	2.320	3.283	5.5	20.8
10 18	23 36.17	+ 5 43.9	2.383	3.291	8.4	21.0
10 28	23 32.97	+ 4 46.0	2.471	3.298	11.1	21.1

483151 2015 OX_{72} 9 20.6 348°.80 1°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.28	− 1 27.4	1.725	2.614	13.1	20.8
8 29	0 7.02	− 2 29.3	1.661	2.612	9.4	20.6
9 8	0 0.92	− 3 42.1	1.620	2.610	5.2	20.4
9 18	23 53.67	− 4 59.5	1.606	2.609	1.6	20.1
9 28	23 46.19	− 6 13.6	1.618	2.608	4.4	20.3
10 8	23 39.47	− 7 16.7	1.657	2.607	8.6	20.6
10 18	23 34.31	− 8 3.5	1.721	2.606	12.4	20.8
10 28	23 31.32	− 8 31.0	1.806	2.606	15.6	21.0

327617 2006 GD_{4} 9 20.6 284°.74 1°.8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.94	+ 5 7.1	2.272	3.122	11.9	20.7
8 29	0 9.42	+ 5 15.2	2.182	3.106	9.0	20.5
9 8	0 2.24	+ 5 12.7	2.115	3.090	5.7	20.2
9 18	23 53.95	+ 5 1.0	2.076	3.075	2.4	20.0
9 28	23 45.31	+ 4 43.0	2.065	3.059	2.8	20.0
10 8	23 37.17	+ 4 22.5	2.083	3.043	6.3	20.2
10 18	23 30.28	+ 4 3.7	2.128	3.028	9.7	20.4
10 28	23 25.26	+ 3 50.5	2.197	3.012	12.7	20.6

312790 2010 VB_{163} 9 20.6 124°.73 4°.6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.64	+17 36.1	2.489	3.278	12.7	20.4
8 29	0 6.84	+17 28.3	2.414	3.286	10.4	20.3
9 8	0 0.65	+17 2.2	2.360	3.294	7.8	20.1
9 18	23 53.61	+16 18.6	2.332	3.301	5.5	20.0
9 28	23 46.41	+15 20.5	2.332	3.308	4.6	19.9
10 8	23 39.77	+14 12.8	2.360	3.316	6.0	20.0
10 18	23 34.31	+13 1.5	2.416	3.322	8.4	20.2
10 28	23 30.52	+11 52.5	2.497	3.329	10.8	20.4

143837 2003 XO_{7} 9 20.6 345°.82 6°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.70	−12 5.4	1.219	2.134	15.4	19.0
8 29	0 9.38	−13 38.3	1.170	2.130	11.4	18.8
9 8	0 2.52	−15 12.7	1.142	2.127	7.8	18.6
9 18	23 54.03	−16 36.7	1.137	2.124	7.0	18.5
9 28	23 45.27	−17 38.4	1.156	2.121	9.9	18.7
10 8	23 37.66	−18 10.6	1.198	2.120	13.9	18.9
10 18	23 32.31	−18 11.3	1.260	2.118	17.8	19.2
10 28	23 29.89	−17 42.4	1.338	2.117	21.1	19.4

474318 2002 CB_{72} 9 20.6 139°.51 5°.3/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.71	+15 52.1	2.185	2.977	14.2	21.1
8 29	0 12.82	+16 20.3	2.113	2.989	11.5	20.9
9 8	0 4.15	+16 30.3	2.065	3.001	8.6	20.7
9 18	23 54.35	+16 21.8	2.042	3.012	6.1	20.6
9 28	23 44.34	+15 56.5	2.047	3.022	5.3	20.6
10 8	23 35.05	+15 19.2	2.081	3.032	7.0	20.7
10 18	23 27.29	+14 35.4	2.142	3.041	9.7	20.9
10 28	23 21.65	+13 51.6	2.228	3.050	12.3	21.1

206007 2002 PC_{100} 9 20.6 10°.86 7°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.12	−12 7.8	1.256	2.177	14.6	18.9
8 29	0 5.19	−14 9.6	1.217	2.180	10.7	18.7
9 8	0 0.03	−16 11.9	1.200	2.185	7.6	18.5
9 18	23 53.51	−18 1.7	1.207	2.190	7.4	18.5
9 28	23 46.83	−19 26.8	1.238	2.197	10.2	18.7
10 8	23 41.20	−20 20.0	1.292	2.205	13.8	19.0
10 18	23 37.55	−20 39.2	1.365	2.213	17.3	19.2
10 28	23 36.46	−20 26.6	1.455	2.223	20.2	19.5

35545 1998 FQ_{103} 9 20.6 90°.61 2°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.48	+ 7 39.0	1.734	2.587	14.8	18.7
8 29	0 9.97	+ 7 23.6	1.675	2.600	11.2	18.5
9 8	0 2.57	+ 6 51.2	1.638	2.613	7.1	18.3
9 18	23 54.03	+ 6 5.0	1.627	2.625	3.2	18.1
9 28	23 45.35	+ 5 10.3	1.643	2.638	3.4	18.1
10 8	23 37.55	+ 4 14.3	1.687	2.650	7.2	18.4
10 18	23 31.47	+ 3 23.2	1.756	2.662	11.0	18.6
10 28	23 27.66	+ 2 42.7	1.847	2.675	14.2	18.9

135810 2002 RT_{142} 9 20.6 277°.79 2°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.04	+ 6 18.3	1.899	2.754	13.6	20.0
8 29	0 9.03	+ 6 8.1	1.814	2.741	10.3	19.7
9 8	0 2.14	+ 5 43.0	1.752	2.728	6.5	19.5
9 18	23 53.97	+ 5 5.3	1.715	2.715	2.8	19.2
9 28	23 45.42	+ 4 19.3	1.706	2.701	3.2	19.2
10 8	23 37.48	+ 3 31.2	1.725	2.688	7.1	19.5
10 18	23 31.02	+ 2 46.9	1.769	2.674	11.0	19.7
10 28	23 26.71	+ 2 11.8	1.837	2.661	14.4	19.9

39295 2001 DF_{95} 9 20.6 114°.95 2°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.60	− 5 19.9	2.304	3.189	10.4	19.1
8 29	0 6.10	− 6 31.7	2.246	3.196	7.3	18.9
9 8	0 0.23	− 7 48.7	2.215	3.203	4.2	18.7
9 18	23 53.54	− 9 5.2	2.211	3.210	2.4	18.6
9 28	23 46.74	−10 14.9	2.237	3.216	4.5	18.8
10 8	23 40.53	−11 12.8	2.290	3.223	7.6	19.0
10 18	23 35.53	−11 55.2	2.370	3.229	10.5	19.2
10 28	23 32.20	−12 20.6	2.471	3.235	12.9	19.4

357279 2002 SG_{30} 9 20.6 312°.56 6°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.14	−13 34.7	1.581	2.485	13.2	20.0
8 29	0 9.46	−14 37.0	1.508	2.462	9.9	19.8
9 8	0 2.53	−15 39.5	1.458	2.439	6.9	19.6
9 18	23 54.07	−16 33.8	1.432	2.417	6.2	19.5
9 28	23 45.16	−17 11.0	1.432	2.395	8.6	19.6
10 8	23 37.03	−17 25.4	1.456	2.374	12.2	19.7
10 18	23 30.70	−17 14.5	1.502	2.353	15.9	19.9
10 28	23 26.95	−16 39.0	1.567	2.333	19.1	20.1

449765 2014 OO_{70} 9 20.6 292°.63 4°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.44	−10 28.3	2.184	3.081	10.4	20.7
8 29	0 5.49	−12 6.1	2.112	3.065	7.5	20.5
9 8	0 0.01	−13 47.7	2.067	3.050	5.0	20.3
9 18	23 53.53	−15 25.6	2.049	3.034	4.5	20.3
9 28	23 46.77	−16 52.1	2.059	3.019	6.7	20.4
10 8	23 40.54	−18 1.0	2.097	3.003	9.6	20.5
10 18	23 35.52	−18 48.4	2.158	2.988	12.5	20.7
10 28	23 32.29	−19 13.4	2.240	2.973	14.9	20.8

313896 2004 KY_{18} 9 20.6 311°.17 1°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 4.77	− 7 47.8	4.169	5.051	6.2	19.9
8 29	0 1.48	− 8 35.6	4.097	5.045	4.4	19.8
9 8	23 57.45	− 9 25.3	4.053	5.039	2.6	19.6
9 18	23 52.98	−10 14.0	4.038	5.033	1.7	19.6
9 28	23 48.41	−10 58.9	4.053	5.028	3.0	19.6
10 8	23 44.11	−11 37.5	4.097	5.022	4.8	19.8
10 18	23 40.40	−12 7.7	4.169	5.016	6.6	19.9
10 28	23 37.58	−12 28.4	4.265	5.010	8.1	20.0

306638 2000 SF_{30} 9 20.6 321°.65 0°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.02	+ 3 19.9	1.317	2.209	16.1	19.8
8 29	0 6.06	+ 2 22.9	1.236	2.187	11.9	19.5
9 8	0 0.74	+ 1 3.9	1.176	2.165	7.0	19.1
9 18	23 53.73	− 0 31.2	1.140	2.144	1.5	18.7
9 28	23 46.16	− 2 12.3	1.128	2.123	4.3	18.9
10 8	23 39.34	− 3 47.2	1.141	2.103	9.9	19.1
10 18	23 34.42	− 5 5.6	1.176	2.085	15.0	19.4
10 28	23 32.26	− 6 0.1	1.230	2.067	19.3	19.6

223430 2003 SV_{265} 9 20.6 283°.05 1°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.66	+ 5 43.2	2.306	3.160	11.6	20.8
8 29	0 6.26	+ 5 15.2	2.224	3.152	8.6	20.6
9 8	0 0.41	+ 4 34.5	2.166	3.144	5.3	20.4
9 18	23 53.61	+ 3 43.8	2.135	3.136	2.0	20.2
9 28	23 46.58	+ 2 47.7	2.132	3.127	2.6	20.2
10 8	23 40.06	+ 1 51.5	2.158	3.119	6.0	20.4
10 18	23 34.71	+ 1 0.3	2.210	3.111	9.3	20.6
10 28	23 31.07	+ 0 18.5	2.287	3.103	12.2	20.8

375242 2008 GP_{28} 9 20.6 201°.90 0°.8/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.04	− 0 0.3	1.803	2.678	13.3	21.9
8 29	0 10.46	− 0 50.0	1.732	2.675	9.6	21.7
9 8	0 2.93	− 1 51.4	1.684	2.671	5.4	21.4
9 18	23 54.15	− 2 59.1	1.662	2.666	1.2	21.1
9 28	23 45.09	− 4 6.1	1.670	2.661	3.9	21.3
10 8	23 36.78	− 5 5.0	1.704	2.656	8.2	21.6
10 18	23 30.10	− 5 50.5	1.764	2.649	12.1	21.8
10 28	23 25.69	− 6 19.0	1.846	2.643	15.5	22.0

484984 2009 UW_{63} 9 20.6 335°.59 4°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.46	−14 56.4	2.123	3.014	10.9	21.1
8 29	0 9.03	−15 38.5	2.064	3.011	8.1	20.9
9 8	0 1.97	−16 17.7	2.030	3.007	5.7	20.8
9 18	23 53.93	−16 48.4	2.023	3.005	5.0	20.7
9 28	23 45.75	−17 5.5	2.044	3.002	6.8	20.8
10 8	23 38.29	−17 5.8	2.090	2.999	9.5	21.0
10 18	23 32.27	−16 48.4	2.161	2.997	12.2	21.2
10 28	23 28.20	−16 14.0	2.253	2.995	14.6	21.4

296262 2009 DA_{35} 9 20.6 35°.79 3°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.05	−10 17.9	1.604	2.495	13.8	19.4
8 29	0 13.29	−10 24.4	1.556	2.506	9.9	19.2
9 8	0 4.46	−10 30.4	1.531	2.517	6.0	19.0
9 18	23 54.44	−10 30.8	1.531	2.529	3.6	18.9
9 28	23 44.40	−10 20.9	1.560	2.541	5.9	19.1
10 8	23 35.50	− 9 58.0	1.614	2.553	9.6	19.3
10 18	23 28.59	− 9 21.5	1.693	2.566	13.2	19.6
10 28	23 24.24	− 8 32.0	1.793	2.580	16.2	19.8

193608 2001 CD_{2} 9 20.6 308°.21 1°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.33	− 2 30.6	1.492	2.383	14.6	19.6
8 29	0 10.55	− 2 51.9	1.403	2.354	10.7	19.3
9 8	0 3.31	− 3 23.5	1.336	2.326	6.1	18.9
9 18	23 54.29	− 4 0.6	1.294	2.297	1.6	18.6
9 28	23 44.59	− 4 36.3	1.277	2.269	4.7	18.7
10 8	23 35.54	− 5 3.4	1.286	2.242	9.9	18.9
10 18	23 28.34	− 5 16.6	1.318	2.214	14.6	19.1
10 28	23 23.89	− 5 12.0	1.370	2.188	18.8	19.3

146046 2000 ES_{13} 9 20.6 144°.43 1°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.21	− 2 32.8	1.780	2.661	13.1	20.5
8 29	0 10.47	− 3 27.5	1.723	2.670	9.4	20.3
9 8	0 2.86	− 4 31.0	1.689	2.677	5.2	20.1
9 18	23 54.12	− 5 37.0	1.682	2.685	1.8	19.9
9 28	23 45.24	− 6 38.3	1.703	2.691	4.4	20.1
10 8	23 37.23	− 7 28.4	1.752	2.698	8.5	20.4
10 18	23 30.89	− 8 3.0	1.826	2.703	12.2	20.6
10 28	23 26.80	− 8 19.9	1.921	2.709	15.2	20.8

259413 2003 QX_{72} 9 20.6 25°.28 8°.3/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.99	+22 50.0	2.139	2.892	15.6	20.0
8 29	0 12.60	+24 4.0	2.063	2.896	13.4	19.9
9 8	0 4.20	+24 57.2	2.007	2.899	11.1	19.7
9 18	23 54.44	+25 26.6	1.975	2.903	9.2	19.6
9 28	23 44.25	+25 31.5	1.968	2.908	8.4	19.6
10 8	23 34.70	+25 14.8	1.988	2.912	9.0	19.6
10 18	23 26.69	+24 41.9	2.033	2.917	10.8	19.7
10 28	23 20.96	+24 0.3	2.101	2.922	13.0	19.9

296433 2009 HG_{45} 9 20.6 99°.46 2°.8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.96	− 5 14.5	1.471	2.360	14.9	21.3
8 29	0 13.29	− 6 6.4	1.430	2.381	10.6	21.1
9 8	0 4.47	− 7 4.3	1.412	2.401	6.0	20.9
9 18	23 54.44	− 8 0.7	1.420	2.421	2.8	20.8
9 28	23 44.45	− 8 47.7	1.455	2.440	5.6	21.0
10 8	23 35.69	− 9 19.3	1.516	2.459	9.8	21.3
10 18	23 29.04	− 9 32.5	1.601	2.477	13.7	21.6
10 28	23 25.05	− 9 26.8	1.706	2.494	16.9	21.8

436758 2012 AD_{6} 9 20.6 315°.89 4°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 7.50	+22 0.0	4.120	4.858	8.9	20.6
8 29	0 3.52	+22 13.5	4.025	4.852	7.5	20.5
9 8	23 58.67	+22 14.9	3.953	4.846	6.1	20.4
9 18	23 53.26	+22 4.0	3.906	4.841	4.9	20.3
9 28	23 47.69	+21 41.8	3.886	4.835	4.3	20.3
10 8	23 42.39	+21 10.4	3.895	4.829	4.7	20.3
10 18	23 37.76	+20 32.5	3.932	4.823	5.9	20.4
10 28	23 34.13	+19 51.3	3.995	4.818	7.3	20.5

77548 2001 JQ_{3} 9 20.6 184°.51 2°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.65	− 4 24.3	1.961	2.846	11.9	19.9
8 29	0 8.55	− 5 18.1	1.897	2.846	8.5	19.6
9 8	0 1.76	− 6 18.7	1.857	2.846	4.8	19.4
9 18	23 53.91	− 7 20.4	1.845	2.846	2.2	19.3
9 28	23 45.87	− 8 16.4	1.860	2.845	4.6	19.4
10 8	23 38.54	− 9 1.2	1.903	2.845	8.3	19.6
10 18	23 32.67	− 9 30.8	1.971	2.844	11.7	19.9
10 28	23 28.83	− 9 43.4	2.061	2.843	14.6	20.1

447714 2007 EY_{132} 9 20.6 208°.25 0°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.45	− 0 17.2	2.443	3.308	10.6	21.6
8 29	0 8.87	− 0 31.2	2.368	3.305	7.7	21.4
9 8	0 1.85	− 0 52.3	2.317	3.302	4.4	21.2
9 18	23 53.94	− 1 17.7	2.294	3.298	0.9	20.9
9 28	23 45.82	− 1 43.6	2.301	3.295	2.7	21.1
10 8	23 38.26	− 2 6.1	2.337	3.291	6.2	21.3
10 18	23 31.89	− 2 22.0	2.400	3.287	9.3	21.5
10 28	23 27.23	− 2 28.8	2.488	3.282	12.0	21.7

205202 2000 ES_{164} 9 20.6 153°.18 0°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.88	+ 2 26.3	2.233	3.094	11.6	21.3
8 29	0 8.52	+ 1 52.3	2.165	3.100	8.5	21.1
9 8	0 1.67	+ 1 7.9	2.123	3.106	4.9	20.9
9 18	23 53.90	+ 0 16.7	2.107	3.111	1.1	20.7
9 28	23 45.97	− 0 36.3	2.121	3.116	2.7	20.8
10 8	23 38.69	− 1 25.7	2.164	3.120	6.4	21.0
10 18	23 32.71	− 2 7.1	2.234	3.125	9.7	21.3
10 28	23 28.55	− 2 37.1	2.327	3.128	12.5	21.5

400709 2009 RE_{64} 9 20.6 67°.73 4°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.39	+15 5.6	2.150	2.958	13.9	19.9
8 29	0 9.00	+15 23.8	2.083	2.969	11.2	19.7
9 8	0 2.00	+15 23.9	2.037	2.980	8.3	19.6
9 18	23 53.98	+15 6.3	2.017	2.991	5.7	19.5
9 28	23 45.77	+14 33.5	2.024	3.003	4.9	19.4
10 8	23 38.25	+13 50.2	2.058	3.014	6.7	19.6
10 18	23 32.13	+13 2.4	2.119	3.026	9.3	19.8
10 28	23 27.96	+12 16.0	2.204	3.037	12.0	20.0

27479 2000 GF_{88} 9 20.6 284°.18 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.17	− 2 5.1	1.869	2.754	12.4	18.1
8 29	0 7.59	− 3 1.5	1.802	2.751	8.9	17.9
9 8	0 1.26	− 4 7.4	1.758	2.747	5.0	17.6
9 18	23 53.83	− 5 17.1	1.741	2.744	1.6	17.4
9 28	23 46.17	− 6 23.5	1.752	2.741	4.2	17.6
10 8	23 39.20	− 7 19.8	1.790	2.738	8.2	17.8
10 18	23 33.71	− 8 1.2	1.853	2.734	11.8	18.0
10 28	23 30.28	− 8 25.0	1.937	2.731	14.9	18.2

221029 2005 QM_{33} 9 20.6 41°.90 1°.1/19.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.88	+ 0 41.4	1.278	2.173	16.3	20.4
8 29	0 8.57	− 0 22.6	1.229	2.182	11.7	20.2
9 8	0 1.96	− 1 42.2	1.202	2.192	6.5	19.9
9 18	23 53.97	− 3 9.0	1.199	2.203	1.4	19.6
9 28	23 45.84	− 4 32.7	1.221	2.214	4.7	19.9
10 8	23 38.83	− 5 43.3	1.268	2.225	9.8	20.2
10 18	23 33.89	− 6 34.0	1.337	2.237	14.2	20.5
10 28	23 31.63	− 7 1.7	1.427	2.249	17.9	20.8

431749 2008 GZ_{32} 9 20.6 272°.53 4°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.02	− 8 29.2	1.539	2.437	13.8	21.6
8 29	0 10.90	− 9 39.7	1.464	2.418	10.1	21.3
9 8	0 3.42	−10 56.7	1.411	2.398	6.2	21.0
9 18	23 54.33	−12 11.7	1.384	2.378	4.5	20.9
9 28	23 44.73	−13 15.0	1.383	2.358	7.3	21.0
10 8	23 35.91	−13 58.6	1.407	2.338	11.5	21.2
10 18	23 28.96	−14 18.3	1.454	2.317	15.6	21.4
10 28	23 24.67	−14 13.0	1.520	2.296	19.1	21.6

518289 2017 AQ_{12} 9 20.6 297°.45 4°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.07	− 9 44.3	2.037	2.932	11.1	20.8
8 29	0 6.71	−10 58.3	1.971	2.924	8.0	20.6
9 8	0 0.74	−12 15.4	1.931	2.916	5.1	20.4
9 18	23 53.73	−13 28.7	1.918	2.908	4.1	20.3
9 28	23 46.50	−14 31.2	1.932	2.900	6.2	20.4
10 8	23 39.89	−15 17.3	1.973	2.893	9.4	20.6
10 18	23 34.63	−15 43.9	2.038	2.885	12.4	20.8
10 28	23 31.29	−15 50.0	2.123	2.877	15.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
476883 2008 VV_{46}			9 20.6 293.°65		5.°7/26.1 16	
	h m	° ′			°	m
8 19	0 11.95	+16 31.4	1.700	2.520	16.5	22.1
8 29	0 7.85	+16 25.2	1.609	2.502	13.5	21.9
9 8	0 1.65	+15 53.3	1.538	2.485	10.1	21.7
9 18	23 53.97	+14 55.3	1.490	2.468	6.9	21.4
9 28	23 45.78	+13 34.9	1.467	2.451	5.7	21.3
10 8	23 38.23	+12 0.1	1.471	2.434	8.0	21.4
10 18	23 32.31	+10 20.5	1.500	2.418	11.7	21.6
10 28	23 28.79	+ 8 46.6	1.552	2.401	15.3	21.8
388186 2006 CM_{16}			9 20.6 321.°85		1.°6/19.2 18	
8 19	0 10.39	− 0 50.8	1.271	2.173	15.8	20.9
8 29	0 7.16	− 1 45.5	1.193	2.150	11.5	20.6
9 8	0 1.44	− 2 57.1	1.136	2.128	6.5	20.2
9 18	23 53.94	− 4 18.4	1.102	2.106	1.8	19.9
9 28	23 45.86	− 5 39.2	1.093	2.085	5.3	20.0
10 8	23 38.57	− 6 48.4	1.108	2.065	10.8	20.3
10 18	23 33.28	− 7 37.5	1.144	2.047	15.9	20.5
10 28	23 30.87	− 8 1.7	1.199	2.029	20.2	20.7
168131 2006 GZ_{31}			9 20.6 57.°57		2.°3/23.1 16	
8 19	0 12.46	+10 18.2	1.530	2.385	16.3	19.8
8 29	0 7.87	+ 9 13.1	1.486	2.411	12.3	19.6
9 8	0 1.38	+ 7 45.6	1.464	2.438	7.8	19.4
9 18	23 53.85	+ 6 1.9	1.466	2.464	3.4	19.2
9 28	23 46.33	+ 4 11.4	1.496	2.491	3.3	19.3
10 8	23 39.83	+ 2 24.6	1.552	2.518	7.4	19.6
10 18	23 35.13	+ 0 50.4	1.635	2.545	11.4	19.9
10 28	23 32.72	− 0 25.1	1.740	2.572	14.7	20.2
342719 2008 WW_{16}			9 20.6 117.°65		5.°8/15.4 16	
8 19	0 19.31	−15 55.8	1.872	2.760	12.2	21.5
8 29	0 12.58	−16 46.4	1.828	2.772	9.2	21.3
9 8	0 4.00	−17 32.4	1.809	2.784	6.5	21.2
9 18	23 54.40	−18 6.8	1.817	2.795	5.9	21.2
9 28	23 44.78	−18 24.3	1.852	2.806	7.7	21.3
10 8	23 36.16	−18 21.8	1.913	2.817	10.5	21.5
10 18	23 29.33	−17 59.4	1.998	2.827	13.4	21.7
10 28	23 24.78	−17 18.8	2.103	2.837	15.8	21.9
504377 2007 VL_{94}			9 20.6 25.°60		3.°0/18.9 17	
8 19	0 15.85	− 5 5.8	0.881	1.801	19.2	19.8
8 29	0 11.29	− 5 29.9	0.847	1.812	13.8	19.5
9 8	0 3.71	− 6 2.6	0.832	1.825	7.8	19.3
9 18	23 54.35	− 6 35.0	0.837	1.839	3.0	19.0
9 28	23 45.00	− 6 57.6	0.864	1.855	6.6	19.3
10 8	23 37.35	− 7 3.3	0.912	1.872	12.2	19.7
10 18	23 32.53	− 6 49.0	0.980	1.890	17.1	20.0
10 28	23 31.12	− 6 14.8	1.065	1.909	21.2	20.4
349203 2007 RQ_{247}			9 20.6 2.°08		11.°8/29.8 18	
8 19	0 9.00	+21 35.6	1.087	1.920	23.0	19.2
8 29	0 6.48	+23 3.8	1.030	1.916	19.8	19.0
9 8	0 1.17	+23 57.4	0.987	1.915	16.4	18.8
9 18	23 53.90	+24 10.8	0.962	1.916	13.4	18.6
9 28	23 46.09	+23 43.6	0.957	1.919	11.8	18.5
10 8	23 39.37	+22 43.0	0.971	1.925	12.6	18.6
10 18	23 35.06	+21 21.1	1.006	1.932	15.1	18.8
10 28	23 34.04	+19 52.6	1.059	1.942	18.3	19.0
215439 2002 LT_{27}			9 20.6 56.°41		0.°5/20.2 18	
8 19	0 14.22	+ 2 3.8	1.243	2.135	16.9	19.9
8 29	0 9.58	+ 1 4.0	1.196	2.147	12.2	19.7
9 8	0 2.57	− 0 13.3	1.170	2.159	6.9	19.4
9 18	23 54.13	− 1 39.8	1.167	2.171	1.3	19.1
9 28	23 45.58	− 3 5.1	1.190	2.184	4.4	19.4
10 8	23 38.21	− 4 18.7	1.238	2.198	9.7	19.7
10 18	23 33.01	− 5 13.4	1.308	2.211	14.2	20.0
10 28	23 30.58	− 5 45.4	1.398	2.224	18.0	20.3
151321 2002 CY_{133}			9 20.6 134.°59		0.°6/21.2 18	
8 19	0 15.40	+ 2 1.5	2.453	3.309	10.9	20.3
8 29	0 9.50	+ 1 55.2	2.385	3.316	8.0	20.2
9 8	0 2.20	+ 1 40.7	2.343	3.324	4.7	20.0
9 18	23 54.05	+ 1 20.3	2.328	3.331	1.3	19.7
9 28	23 45.76	+ 0 57.5	2.343	3.338	2.5	19.8
10 8	23 38.09	+ 0 36.0	2.388	3.345	5.8	20.1
10 18	23 31.64	+ 0 19.2	2.460	3.351	8.9	20.3
10 28	23 26.91	+ 0 9.8	2.556	3.357	11.5	20.5
484384 2007 VC_{297}			9 20.6 8.°36		9.°3/14.1 18	
8 19	0 9.02	−16 53.5	0.953	1.885	17.0	19.0
8 29	0 6.31	−18 8.7	0.923	1.888	13.0	18.8
9 8	0 0.86	−19 15.1	0.912	1.893	9.9	18.6
9 18	23 53.79	−20 0.3	0.921	1.901	9.6	18.6
9 28	23 46.65	−20 14.6	0.950	1.911	12.1	18.8
10 8	23 40.95	−19 54.3	0.999	1.923	15.8	19.1
10 18	23 37.70	−19 1.8	1.067	1.938	19.4	19.4
10 28	23 37.47	−17 42.2	1.150	1.954	22.4	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
129010 2004 TB_{303}			9 20.6 304.°56		0.°3/20.8 18	
	h m	° ′			°	m
8 19	0 14.76	+ 1 41.0	1.573	2.452	14.7	20.3
8 29	0 9.85	+ 1 21.6	1.499	2.442	10.8	20.0
9 8	0 2.77	+ 0 48.9	1.446	2.432	6.3	19.7
9 18	23 54.21	+ 0 6.8	1.418	2.422	1.5	19.4
9 28	23 45.27	− 0 38.5	1.417	2.412	3.6	19.5
10 8	23 37.10	− 1 20.0	1.442	2.403	8.4	19.8
10 18	23 30.72	− 1 51.5	1.491	2.393	12.8	20.0
10 28	23 26.86	− 2 8.7	1.561	2.385	16.6	20.2
304202 2006 QQ_{106}			9 20.6 335.°40		2.°1/22.5 18	
8 19	0 13.73	+ 6 25.5	1.760	2.620	14.3	20.5
8 29	0 8.88	+ 6 18.2	1.687	2.616	10.8	20.3
9 8	0 2.10	+ 5 55.3	1.636	2.613	6.9	20.1
9 18	23 54.06	+ 5 19.3	1.610	2.610	3.0	19.8
9 28	23 45.72	+ 4 34.9	1.612	2.607	3.3	19.8
10 8	23 38.12	+ 3 48.5	1.640	2.604	7.3	20.1
10 18	23 32.11	+ 3 6.3	1.693	2.602	11.2	20.3
10 28	23 28.36	+ 2 33.7	1.769	2.599	14.6	20.5
446552 2014 NC_{31}			9 20.6 74.°85		0.°9/21.7 18	
8 19	0 12.32	+ 4 36.3	2.148	3.006	12.1	21.2
8 29	0 7.39	+ 4 3.7	2.093	3.024	8.9	21.0
9 8	0 1.02	+ 3 19.0	2.061	3.041	5.3	20.8
9 18	23 53.80	+ 2 26.1	2.057	3.059	1.7	20.6
9 28	23 46.52	+ 1 30.1	2.081	3.076	2.6	20.7
10 8	23 39.93	+ 0 36.4	2.134	3.094	6.2	21.0
10 18	23 34.68	− 0 10.0	2.213	3.111	9.4	21.2
10 28	23 31.22	− 0 45.5	2.316	3.128	12.2	21.4
114865 2003 QP_{2}			9 20.6 318.°47		2.°2/22.9 18	
8 19	0 10.65	+ 7 41.3	2.006	2.858	13.1	19.5
8 29	0 6.52	+ 7 23.9	1.921	2.845	10.0	19.2
9 8	0 0.71	+ 6 50.8	1.859	2.832	6.5	19.0
9 18	23 53.77	+ 6 4.3	1.822	2.820	3.0	18.8
9 28	23 46.51	+ 5 9.0	1.813	2.808	3.1	18.7
10 8	23 39.81	+ 4 10.8	1.831	2.796	6.6	18.9
10 18	23 34.44	+ 3 16.2	1.876	2.784	10.3	19.1
10 28	23 31.02	+ 2 30.5	1.943	2.773	13.5	19.3
103291 2000 AL_{44}			9 20.6 190.°97		1.°1/19.5 18	
8 19	0 14.25	− 1 39.9	1.919	2.798	12.4	20.7
8 29	0 9.05	− 2 19.1	1.852	2.798	8.9	20.5
9 8	0 2.10	− 3 7.0	1.810	2.798	5.0	20.2
9 18	23 54.05	− 3 58.9	1.793	2.797	1.3	20.0
9 28	23 45.80	− 4 48.6	1.805	2.796	3.8	20.2
10 8	23 38.26	− 5 30.5	1.845	2.795	7.8	20.4
10 18	23 32.22	− 6 0.0	1.910	2.794	11.4	20.6
10 28	23 28.25	− 6 14.7	1.997	2.793	14.5	20.8
449709 2014 MH_{35}			9 20.6 16.°46		6.°3/14.4 18	
8 19	0 12.41	−15 19.6	1.685	2.589	12.5	20.1
8 29	0 7.86	−16 32.8	1.640	2.592	9.4	20.0
9 8	0 1.44	−17 42.4	1.620	2.597	6.9	19.8
9 18	23 53.91	−18 40.4	1.624	2.602	6.5	19.8
9 28	23 46.27	−19 19.5	1.654	2.607	8.5	20.0
10 8	23 39.53	−19 35.4	1.709	2.613	11.5	20.2
10 18	23 34.48	−19 27.5	1.785	2.620	14.4	20.4
10 28	23 31.68	−18 57.0	1.880	2.627	17.0	20.6
442680 2012 UZ_{13}			9 20.6 119.°08		2.°4/18.5 18	
8 19	0 16.86	− 5 31.0	1.754	2.641	13.0	21.0
8 29	0 11.00	− 6 7.4	1.697	2.646	9.3	20.8
9 8	0 3.22	− 6 49.1	1.663	2.652	5.3	20.6
9 18	23 54.29	− 7 30.5	1.656	2.657	2.4	20.4
9 28	23 45.20	− 8 5.3	1.676	2.662	4.9	20.6
10 8	23 37.01	− 8 28.4	1.724	2.667	8.8	20.8
10 18	23 30.53	− 8 36.7	1.796	2.672	12.4	21.0
10 28	23 26.36	− 8 28.9	1.889	2.677	15.5	21.3
43640 2002 EF_{33}			9 20.6 53.°40		6.°1/13.6 18	
8 19	0 11.64	−15 5.2	1.864	2.765	11.7	18.1
8 29	0 7.09	−16 42.3	1.831	2.782	8.7	17.9
9 8	0 0.91	−18 15.5	1.824	2.798	6.5	17.8
9 18	23 53.79	−19 36.5	1.842	2.815	6.3	17.9
9 28	23 46.64	−20 38.3	1.887	2.832	8.3	18.0
10 8	23 40.33	−21 16.7	1.958	2.850	10.9	18.2
10 18	23 35.56	−21 30.6	2.050	2.867	13.5	18.4
10 28	23 32.80	−21 21.6	2.162	2.885	15.7	18.6
340334 2006 DK_{43}			9 20.6 16.°42		1.°6/21.8 18	
8 19	0 17.85	+ 3 30.0	1.593	2.462	15.1	20.9
8 29	0 11.98	+ 3 38.7	1.527	2.462	11.3	20.7
9 8	0 3.92	+ 3 34.2	1.482	2.463	6.9	20.4
9 18	23 54.46	+ 3 19.0	1.463	2.465	2.4	20.2
9 28	23 44.70	+ 2 57.5	1.471	2.466	3.4	20.2
10 8	23 35.85	+ 2 35.5	1.505	2.468	7.9	20.5
10 18	23 28.88	+ 2 18.1	1.564	2.469	12.1	20.8
10 28	23 24.47	+ 2 9.8	1.645	2.471	15.7	21.0

42208 2001 DQ_{47} 9 20.6 36°.64 1°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 9.04	+ 0 34.4	1.659	2.548	13.5	17.4
8 29	0 5.32	− 1 0.1	1.618	2.569	9.6	17.2
9 8	23 59.93	− 2 46.4	1.601	2.591	5.2	17.0
9 18	23 53.59	− 4 36.3	1.611	2.614	1.5	16.8
9 28	23 47.22	− 6 20.1	1.648	2.637	4.3	17.1
10 8	23 41.71	− 7 49.5	1.712	2.661	8.4	17.4
10 18	23 37.75	− 8 58.8	1.801	2.686	12.0	17.6
10 28	23 35.81	− 9 45.5	1.911	2.710	14.9	17.9

35826 1999 JT_{53} 9 20.6 29°.54 0°.5/20.9 18

8 19	0 11.86	+ 3 41.6	1.309	2.196	16.5	18.2
8 29	0 7.83	+ 2 55.4	1.258	2.205	12.1	17.9
9 8	0 1.58	+ 1 50.9	1.228	2.215	7.0	17.7
9 18	23 53.96	+ 0 34.7	1.221	2.225	1.7	17.4
9 28	23 46.18	− 0 44.0	1.240	2.236	3.8	17.6
10 8	23 39.46	− 1 55.4	1.284	2.247	8.9	17.9
10 18	23 34.74	− 2 51.7	1.350	2.259	13.4	18.2
10 28	23 32.62	− 3 28.3	1.438	2.272	17.1	18.5

215167 2000 EL_{26} 9 20.6 69°.44 13°.0/ 9.1 11 C

8 19	0 21.92	− 7 29.4	0.602	1.537	23.2	19.5
8 29	0 15.76	−14 48.6	0.609	1.579	16.4	19.4
9 8	0 6.06	−21 30.9	0.642	1.622	13.1	19.5
9 18	23 54.79	−26 51.2	0.698	1.664	14.9	19.8
9 28	23 44.34	−30 29.9	0.777	1.705	18.9	20.2
10 8	23 36.60	−32 33.6	0.874	1.745	22.8	20.6
10 18	23 32.50	−33 20.9	0.984	1.784	25.9	21.0
10 28	23 32.24	−33 11.4	1.104	1.821	28.1	21.4

482587 2012 XE_{84} 9 20.6 259°.22 2°.5/23.2 18

8 19	0 14.49	+ 8 38.8	2.157	2.996	12.8	22.2
8 29	0 9.29	+ 8 26.3	2.061	2.976	9.9	22.0
9 8	0 2.32	+ 7 58.3	1.987	2.956	6.5	21.7
9 18	23 54.15	+ 7 16.6	1.940	2.935	3.3	21.5
9 28	23 45.55	+ 6 24.7	1.921	2.914	3.2	21.5
10 8	23 37.43	+ 5 28.4	1.931	2.893	6.5	21.6
10 18	23 30.61	+ 4 33.7	1.967	2.871	10.1	21.8
10 28	23 25.74	+ 3 46.1	2.028	2.849	13.4	22.0

351170 2004 BH_{14} 9 20.6 163°.69 2°.7/17.1 18

8 19	0 13.10	− 7 15.8	2.480	3.362	9.9	21.7
8 29	0 7.86	− 8 21.2	2.420	3.368	7.0	21.6
9 8	0 1.28	− 9 30.1	2.386	3.373	4.2	21.4
9 18	23 53.89	−10 37.1	2.381	3.377	2.7	21.3
9 28	23 46.38	−11 36.7	2.406	3.381	4.6	21.5
10 8	23 39.44	−12 24.3	2.459	3.385	7.5	21.6
10 18	23 33.68	−12 57.3	2.538	3.387	10.2	21.8
10 28	23 29.57	−13 14.1	2.640	3.390	12.5	22.0

360745 2004 VG_{30} 9 20.6 17°.89 3°.2/24.2 18

8 19	0 9.40	+11 25.6	1.823	2.667	14.6	20.0
8 29	0 5.64	+10 55.6	1.756	2.672	11.3	19.8
9 8	0 0.19	+10 5.1	1.711	2.677	7.6	19.6
9 18	23 53.68	+ 8 57.3	1.690	2.683	4.2	19.4
9 28	23 46.97	+ 7 37.8	1.696	2.689	3.6	19.3
10 8	23 40.98	+ 6 14.6	1.729	2.696	6.7	19.5
10 18	23 36.45	+ 4 55.3	1.788	2.703	10.3	19.8
10 28	23 33.94	+ 3 46.8	1.871	2.711	13.5	20.0

421490 2014 OV_{60} 9 20.6 316°.94 4°.8/15.1 18

8 19	0 11.23	−12 40.5	2.048	2.945	10.9	20.5
8 29	0 6.86	−13 50.4	1.985	2.937	8.0	20.3
9 8	0 0.85	−15 0.6	1.947	2.928	5.5	20.1
9 18	23 53.82	−16 4.2	1.936	2.920	4.9	20.1
9 28	23 46.57	−16 54.7	1.952	2.911	6.9	20.2
10 8	23 39.96	−17 27.3	1.993	2.903	9.8	20.4
10 18	23 34.72	−17 39.5	2.059	2.896	12.7	20.5
10 28	23 31.39	−17 31.3	2.144	2.888	15.2	20.7

274087 2008 BF_{40} 9 20.6 75°.95 9°.8/25.1 17

8 19	0 30.40	+14 20.9	1.071	1.908	23.0	19.7
8 29	0 22.21	+16 20.1	1.017	1.918	18.8	19.5
9 8	0 10.31	+17 53.8	0.980	1.927	14.4	19.3
9 18	23 55.87	+18 54.5	0.965	1.937	10.7	19.1
9 28	23 40.85	+19 19.7	0.974	1.947	10.0	19.1
10 8	23 27.42	+19 14.6	1.005	1.956	12.5	19.3
10 18	23 17.26	+18 49.7	1.059	1.966	16.4	19.6
10 28	23 11.31	+18 17.9	1.131	1.976	20.1	19.8

215402 2002 EO_{43} 9 20.6 85°.36 0°.9/21.4 17

8 19	0 17.97	+ 4 51.0	1.399	2.270	16.6	20.8
8 29	0 11.98	+ 4 5.2	1.356	2.294	12.2	20.6
9 8	0 3.82	+ 3 1.8	1.335	2.318	7.2	20.4
9 18	23 54.42	+ 1 46.9	1.338	2.341	2.0	20.1
9 28	23 45.05	+ 0 29.3	1.369	2.364	3.6	20.3
10 8	23 36.89	− 0 41.7	1.425	2.387	8.4	20.6
10 18	23 30.85	− 1 39.2	1.507	2.409	12.7	21.0
10 28	23 27.47	− 2 18.7	1.609	2.431	16.2	21.2

400720 2009 SV_{80} 9 20.6 304°.80 0°.9/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.28	+ 2 45.8	2.120	2.982	12.1	21.0
8 29	0 9.02	+ 2 43.3	2.041	2.974	9.0	20.8
9 8	0 2.10	+ 2 30.8	1.985	2.966	5.4	20.6
9 18	23 54.10	+ 2 10.5	1.956	2.958	1.7	20.3
9 28	23 45.81	+ 1 46.3	1.955	2.951	2.8	20.4
10 8	23 38.11	+ 1 22.6	1.983	2.943	6.6	20.6
10 18	23 31.76	+ 1 3.4	2.037	2.936	10.1	20.8
10 28	23 27.34	+ 0 52.5	2.114	2.929	13.1	21.0

71488 2000 BR_{49} 9 20.6 325°.61 6°.4/25.1 18

8 19	0 18.18	+13 28.3	1.595	2.424	17.0	18.3
8 29	0 12.54	+14 27.6	1.514	2.413	13.8	18.1
9 8	0 4.45	+15 7.8	1.453	2.403	10.3	17.9
9 18	23 54.63	+15 26.7	1.417	2.394	7.3	17.7
9 28	23 44.23	+15 24.8	1.405	2.385	6.6	17.6
10 8	23 34.55	+15 6.2	1.419	2.376	9.0	17.7
10 18	23 26.76	+14 37.5	1.458	2.368	12.5	17.9
10 28	23 21.71	+14 6.9	1.518	2.361	16.0	18.1

64158 2001 TK_{43} 9 20.6 338°.94 6°.5/15.2 18

8 19	0 15.56	−16 20.7	1.638	2.538	13.0	17.8
8 29	0 10.31	−17 7.2	1.580	2.529	9.9	17.6
9 8	0 2.95	−17 49.1	1.544	2.521	7.2	17.4
9 18	23 54.27	−18 18.9	1.534	2.513	6.6	17.3
9 28	23 45.37	−18 30.0	1.549	2.506	8.6	17.4
10 8	23 37.39	−18 18.5	1.588	2.499	11.8	17.6
10 18	23 31.24	−17 44.3	1.650	2.493	15.0	17.8
10 28	23 27.57	−16 49.2	1.731	2.488	17.8	18.0

474505 2003 UE_{76} 9 20.6 4°.40 5°.4/18.4 18

8 19	0 25.22	−14 36.5	1.170	2.071	17.0	19.4
8 29	0 17.80	−14 8.0	1.118	2.070	12.6	19.2
9 8	0 7.40	−13 31.3	1.086	2.071	8.1	18.9
9 18	23 55.20	−12 40.9	1.078	2.073	5.4	18.8
9 28	23 42.90	−11 33.7	1.096	2.077	7.7	18.9
10 8	23 32.19	−10 9.9	1.137	2.082	12.2	19.2
10 18	23 24.27	− 8 32.7	1.202	2.088	16.5	19.5
10 28	23 19.83	− 6 45.9	1.286	2.096	20.2	19.8

375143 2008 AL_{118} 9 20.6 84°.27 1°.6/21.8 17

8 19	0 18.57	+ 4 15.0	1.446	2.316	16.2	20.7
8 29	0 12.58	+ 4 10.7	1.389	2.325	12.1	20.5
9 8	0 4.28	+ 3 50.6	1.353	2.334	7.4	20.2
9 18	23 54.55	+ 3 18.2	1.342	2.343	2.6	20.0
9 28	23 44.63	+ 2 39.4	1.357	2.352	3.6	20.1
10 8	23 35.78	+ 2 1.2	1.398	2.361	8.4	20.4
10 18	23 29.01	+ 1 30.0	1.463	2.370	12.7	20.7
10 28	23 24.97	+ 1 10.7	1.550	2.379	16.4	20.9

396871 2004 TQ_{61} 9 20.6 32°.57 2°.1/18.8 18

8 19	0 15.32	− 5 51.8	1.845	2.732	12.4	19.9
8 29	0 9.79	− 6 11.8	1.790	2.740	8.9	19.7
9 8	0 2.51	− 6 35.9	1.759	2.748	5.1	19.4
9 18	23 54.17	− 6 59.4	1.754	2.756	2.1	19.3
9 28	23 45.73	− 7 17.4	1.777	2.764	4.5	19.4
10 8	23 38.14	− 7 25.6	1.827	2.773	8.2	19.7
10 18	23 32.14	− 7 21.6	1.902	2.782	11.6	19.9
10 28	23 28.29	− 7 4.3	1.999	2.792	14.6	20.2

104465 2000 GS_{13} 9 20.6 270°.01 0°.1/20.6 18

8 19	0 15.91	+ 1 28.3	1.600	2.477	14.6	20.6
8 29	0 10.75	+ 0 59.7	1.519	2.462	10.7	20.3
9 8	0 3.35	+ 0 17.3	1.461	2.447	6.3	20.0
9 18	23 54.40	− 0 34.8	1.428	2.432	1.3	19.7
9 28	23 44.99	− 1 29.8	1.421	2.416	3.8	19.8
10 8	23 36.30	− 2 20.0	1.442	2.400	8.7	20.1
10 18	23 29.38	− 2 59.1	1.487	2.385	13.2	20.3
10 28	23 25.01	− 3 22.4	1.552	2.369	17.0	20.5

13861 1999 XE_{157} 9 20.6 272°.00 0°.4/20.2 18

8 19	0 11.42	+ 0 25.4	2.316	3.187	10.9	19.3
8 29	0 6.87	− 0 13.2	2.233	3.173	7.9	19.1
9 8	0 0.85	− 1 1.3	2.174	3.160	4.5	18.9
9 18	23 53.86	− 1 55.1	2.142	3.146	0.9	18.6
9 28	23 46.60	− 2 49.7	2.140	3.133	3.0	18.7
10 8	23 39.83	− 3 39.6	2.165	3.119	6.6	18.9
10 18	23 34.24	− 4 20.6	2.218	3.105	9.9	19.1
10 28	23 30.35	− 4 49.1	2.293	3.091	12.8	19.3

28957 Danielfulop 9 20.6 121°.26 1°.8/18.9 18

8 19	0 17.69	− 2 28.1	1.715	2.595	13.6	19.4
8 29	0 11.55	− 3 24.9	1.665	2.612	9.7	19.2
9 8	0 3.52	− 4 30.3	1.639	2.628	5.4	19.0
9 18	23 54.40	− 5 37.8	1.640	2.643	1.8	18.8
9 28	23 45.21	− 6 39.8	1.669	2.658	4.5	19.0
10 8	23 36.99	− 7 29.8	1.726	2.672	8.6	19.3
10 18	23 30.55	− 8 3.7	1.807	2.685	12.3	19.6
10 28	23 26.44	− 8 19.6	1.910	2.698	15.3	19.8

234124 1999 XM_{140} 9 20.6 101°.94 6°.3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.59	−17 46.0	2.071	2.961	11.2	20.0
8 29	0 9.78	−19 13.5	2.041	2.982	8.5	19.9
9 8	0 2.40	−20 34.9	2.037	3.003	6.6	19.8
9 18	23 54.15	−21 42.8	2.060	3.024	6.5	19.9
9 28	23 45.92	−22 31.2	2.110	3.044	8.2	20.0
10 8	23 38.56	−22 57.1	2.186	3.063	10.6	20.2
10 18	23 32.74	−23 0.4	2.285	3.083	12.9	20.4
10 28	23 28.92	−22 42.6	2.403	3.101	14.9	20.6

22423 Kudlacek 9 20.6 39°.26 9°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.62	−24 17.4	1.474	2.367	14.7	18.0
8 29	0 13.25	−25 22.6	1.442	2.376	12.0	17.9
9 8	0 4.57	−26 13.1	1.432	2.385	10.2	17.8
9 18	23 54.62	−26 39.9	1.445	2.394	10.2	17.9
9 28	23 44.73	−26 36.9	1.482	2.404	11.9	18.0
10 8	23 36.18	−26 3.1	1.542	2.415	14.5	18.2
10 18	23 29.89	−25 1.6	1.622	2.425	17.1	18.4
10 28	23 26.38	−23 37.4	1.719	2.436	19.3	18.6

102264 1999 TU_{37} 9 20.6 312°.15 2°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.16	+ 8 43.6	1.328	2.198	17.4	19.0
8 29	0 8.33	+ 8 7.4	1.255	2.189	13.3	18.8
9 8	0 2.09	+ 7 5.8	1.202	2.180	8.6	18.5
9 18	23 54.19	+ 5 42.6	1.172	2.171	3.8	18.2
9 28	23 45.83	+ 4 6.1	1.166	2.163	3.9	18.2
10 8	23 38.34	+ 2 27.9	1.186	2.154	8.8	18.4
10 18	23 32.86	+ 0 59.0	1.229	2.147	13.8	18.7
10 28	23 30.17	− 0 11.6	1.293	2.139	18.0	18.9

147753 2005 OG_{11} 9 20.6 28°.23 0°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.07	+ 1 37.4	1.058	1.958	18.5	19.4
8 29	0 10.49	+ 1 26.6	1.017	1.970	13.5	19.2
9 8	0 3.23	+ 0 59.3	0.995	1.984	7.9	18.9
9 18	23 54.38	+ 0 21.0	0.995	1.999	1.9	18.6
9 28	23 45.46	− 0 19.7	1.019	2.015	4.3	18.8
10 8	23 37.93	− 0 54.2	1.065	2.032	9.8	19.2
10 18	23 32.87	− 1 16.1	1.134	2.050	14.7	19.6
10 28	23 30.89	− 1 21.3	1.221	2.069	18.7	19.9

378667 2008 GK_{137} 9 20.6 96°.96 2°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.55	+ 8 15.2	1.583	2.439	15.8	21.0
8 29	0 10.20	+ 7 34.8	1.529	2.455	11.9	20.8
9 8	0 2.85	+ 6 34.4	1.496	2.471	7.5	20.6
9 18	23 54.30	+ 5 18.8	1.488	2.487	3.1	20.4
9 28	23 45.65	+ 3 55.4	1.507	2.502	3.4	20.4
10 8	23 37.98	+ 2 33.4	1.553	2.517	7.6	20.7
10 18	23 32.15	+ 1 20.6	1.625	2.532	11.7	21.0
10 28	23 28.72	+ 0 23.1	1.719	2.547	15.1	21.2

121192 1999 NC_{22} 9 20.6 54°.88 4°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.60	− 8 46.1	1.469	2.372	14.1	18.9
8 29	0 9.59	− 9 59.1	1.428	2.384	10.1	18.7
9 8	0 2.51	−11 15.0	1.409	2.397	6.2	18.5
9 18	23 54.23	−12 24.9	1.416	2.410	4.5	18.5
9 28	23 45.89	−13 20.2	1.448	2.423	7.1	18.6
10 8	23 38.61	−13 55.0	1.506	2.437	10.9	18.9
10 18	23 33.27	−14 6.8	1.586	2.450	14.4	19.2
10 28	23 30.40	−13 56.0	1.685	2.464	17.4	19.4

13805 1998 XN_{3} 9 20.6 16°.90 0°.7/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.73	− 0 46.8	1.741	2.627	13.2	17.3
8 29	0 7.34	− 1 14.1	1.684	2.633	9.5	17.1
9 8	0 1.19	− 1 50.9	1.651	2.639	5.3	16.8
9 18	23 53.96	− 2 32.6	1.642	2.646	1.1	16.6
9 28	23 46.59	− 3 13.2	1.661	2.654	3.6	16.8
10 8	23 40.01	− 3 46.9	1.706	2.663	7.7	17.0
10 18	23 35.00	− 4 9.5	1.776	2.672	11.5	17.3
10 28	23 32.10	− 4 18.2	1.868	2.682	14.6	17.5

447062 2004 RQ_{265} 9 20.6 16°.06 1°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.14	− 2 17.1	1.666	2.557	13.4	20.4
8 29	0 7.71	− 2 50.6	1.610	2.561	9.6	20.2
9 8	0 1.43	− 3 32.7	1.577	2.566	5.4	20.0
9 18	23 54.02	− 4 18.2	1.569	2.573	1.5	19.7
9 28	23 46.45	− 5 0.6	1.588	2.579	4.1	19.9
10 8	23 39.72	− 5 33.9	1.633	2.587	8.3	20.2
10 18	23 34.63	− 5 54.0	1.702	2.595	12.1	20.5
10 28	23 31.74	− 5 58.4	1.792	2.603	15.3	20.7

372337 2009 DF_{82} 9 20.6 60°.57 3°.0/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.48	− 5 2.3	1.160	2.062	17.1	20.8
8 29	0 13.35	− 5 49.3	1.127	2.084	12.1	20.6
9 8	0 4.70	− 6 43.4	1.116	2.106	6.9	20.4
9 18	23 54.69	− 7 35.7	1.128	2.129	3.0	20.2
9 28	23 44.79	− 8 17.4	1.165	2.152	6.1	20.5
10 8	23 36.40	− 8 41.7	1.226	2.175	10.9	20.8
10 18	23 30.49	− 8 46.0	1.309	2.198	15.2	21.1
10 28	23 27.58	− 8 30.0	1.411	2.221	18.7	21.4

441593 2008 UA_{157} 9 20.6 339°.76 0°.7/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.41	− 0 14.1	1.456	2.346	15.0	20.9
8 29	0 8.98	− 0 47.6	1.390	2.340	10.9	20.6
9 8	0 2.34	− 1 34.0	1.345	2.334	6.2	20.4
9 18	23 54.26	− 2 27.7	1.325	2.329	1.3	20.0
9 28	23 45.84	− 3 21.0	1.331	2.325	4.2	20.2
10 8	23 38.30	− 4 6.3	1.363	2.321	9.1	20.5
10 18	23 32.63	− 4 37.5	1.417	2.318	13.5	20.8
10 28	23 29.53	− 4 51.0	1.492	2.315	17.2	21.0

320692 2008 DS 9 20.6 95°.71 0°.2/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.55	+ 1 36.8	1.523	2.399	15.2	20.9
8 29	0 11.66	+ 0 54.8	1.474	2.417	11.0	20.6
9 8	0 3.68	− 0 0.6	1.448	2.434	6.3	20.4
9 18	23 54.50	− 1 3.5	1.447	2.451	1.3	20.1
9 28	23 45.26	− 2 6.1	1.473	2.468	3.8	20.4
10 8	23 37.10	− 3 0.7	1.527	2.484	8.4	20.7
10 18	23 30.88	− 3 41.9	1.604	2.500	12.5	21.0
10 28	23 27.19	− 4 6.2	1.704	2.516	15.9	21.2

386937 2011 OM_{23} 9 20.6 54°.68 6°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.47	−13 57.6	1.493	2.400	13.6	20.0
8 29	0 8.75	−15 43.4	1.462	2.417	10.1	19.8
9 8	0 2.02	−17 25.8	1.455	2.433	7.3	19.7
9 18	23 54.15	−18 54.3	1.473	2.451	7.0	19.7
9 28	23 46.26	−19 59.9	1.516	2.468	9.3	19.9
10 8	23 39.45	−20 37.7	1.583	2.485	12.4	20.1
10 18	23 34.53	−20 47.0	1.671	2.503	15.4	20.4
10 28	23 32.02	−20 30.1	1.778	2.521	17.9	20.6

432623 2010 VU_{37} 9 20.6 293°.35 5°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.57	− 8 51.2	1.340	2.245	15.0	20.9
8 29	0 10.96	−10 3.8	1.265	2.222	11.0	20.6
9 8	0 3.71	−11 23.9	1.211	2.199	6.9	20.3
9 18	23 54.59	−12 41.8	1.182	2.176	5.2	20.2
9 28	23 44.85	−13 46.1	1.177	2.153	8.2	20.3
10 8	23 35.93	−14 27.8	1.197	2.130	12.8	20.5
10 18	23 29.10	−14 42.2	1.237	2.107	17.3	20.7
10 28	23 25.24	−14 28.3	1.295	2.085	21.1	20.9

520507 2014 LD_{31} 9 20.6 301°.94 2°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.51	− 3 35.9	2.143	3.030	11.0	21.1
8 29	0 5.58	− 4 56.8	2.072	3.023	7.8	20.9
9 8	0 0.16	− 6 26.2	2.027	3.016	4.4	20.7
9 18	23 53.78	− 7 57.8	2.009	3.009	2.2	20.6
9 28	23 47.18	− 9 24.2	2.020	3.003	4.6	20.7
10 8	23 41.14	−10 38.7	2.059	2.996	8.0	20.9
10 18	23 36.32	−11 36.7	2.124	2.990	11.2	21.1
10 28	23 33.26	−12 15.4	2.210	2.984	13.9	21.3

359538 2010 RF_{137} 9 20.6 343°.23 0°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.02	+ 1 41.9	1.852	2.725	13.1	20.7
8 29	0 8.30	+ 1 19.0	1.781	2.722	9.6	20.5
9 8	0 1.79	+ 0 44.7	1.734	2.719	5.6	20.2
9 18	23 54.13	+ 0 2.7	1.713	2.717	1.3	19.9
9 28	23 46.23	− 0 41.5	1.719	2.714	3.1	20.1
10 8	23 39.03	− 1 22.1	1.753	2.712	7.3	20.3
10 18	23 33.32	− 1 53.9	1.812	2.711	11.1	20.5
10 28	23 29.72	− 2 13.3	1.893	2.709	14.4	20.8

266867 2009 UN_{141} 9 20.6 242°.31 6°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.08	+24 19.0	2.672	3.410	13.2	20.7
8 29	0 7.35	+24 33.6	2.578	3.402	11.3	20.5
9 8	0 1.17	+24 28.3	2.504	3.394	9.3	20.4
9 18	23 54.01	+24 2.1	2.454	3.386	7.5	20.2
9 28	23 46.56	+23 16.2	2.430	3.377	6.6	20.2
10 8	23 39.55	+22 14.2	2.433	3.368	7.1	20.2
10 18	23 33.67	+21 1.5	2.464	3.360	8.7	20.3
10 28	23 29.44	+19 44.7	2.519	3.351	10.7	20.4

329158 2012 BU_{54} 9 20.6 306°.59 3°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.60	− 9 13.6	2.107	3.002	10.8	20.1
8 29	0 6.38	−10 32.8	2.044	2.997	7.8	19.9
9 8	0 0.62	−11 55.4	2.007	2.993	4.9	19.7
9 18	23 53.88	−13 14.6	1.997	2.988	3.9	19.6
9 28	23 46.95	−14 23.2	2.016	2.984	6.0	19.8
10 8	23 40.63	−15 15.9	2.061	2.980	9.1	19.9
10 18	23 35.60	−15 49.3	2.130	2.976	12.0	20.1
10 28	23 32.40	−16 2.4	2.220	2.972	14.5	20.3

389323 2009 SL_{218} 9 20.6 309°.50 1°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.17	− 5 50.5	3.980	4.855	6.6	21.0
8 29	0 3.29	− 6 14.4	3.904	4.849	4.7	20.9
9 8	23 58.61	− 6 40.6	3.855	4.842	2.7	20.7
9 18	23 53.44	− 7 6.7	3.835	4.836	1.2	20.6
9 28	23 48.18	− 7 30.3	3.846	4.830	2.5	20.7
10 8	23 43.20	− 7 49.1	3.885	4.824	4.5	20.9
10 18	23 38.88	− 8 1.4	3.953	4.818	6.5	21.0
10 28	23 35.51	− 8 5.9	4.045	4.812	8.2	21.1

414756 2010 GD_{103} 9 20.6 63°.26 1°.9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.30	+ 5 59.5	1.083	1.966	19.5	20.9
8 29	0 12.74	+ 5 32.2	1.044	1.986	14.5	20.7
9 8	0 4.49	+ 4 42.2	1.024	2.007	8.8	20.5
9 18	23 54.69	+ 3 35.8	1.027	2.028	3.1	20.2
9 28	23 44.90	+ 2 22.8	1.053	2.050	4.1	20.3
10 8	23 36.61	+ 1 14.3	1.104	2.071	9.5	20.7
10 18	23 30.88	+ 0 19.2	1.177	2.093	14.4	21.1
10 28	23 28.30	− 0 17.1	1.270	2.114	18.4	21.4

442420 2011 UR_{120} 9 20.6 117°.07 3°.5/24.9 18

8 19	0 12.51	+13 27.9	2.115	2.935	13.7	20.8
8 29	0 7.72	+12 59.4	2.045	2.944	10.7	20.6
9 8	0 1.36	+12 11.6	1.997	2.954	7.5	20.4
9 18	23 54.04	+11 6.8	1.976	2.963	4.5	20.2
9 28	23 46.56	+ 9 49.8	1.982	2.971	3.7	20.2
10 8	23 39.74	+ 8 27.5	2.017	2.980	6.2	20.4
10 18	23 34.29	+ 7 6.7	2.079	2.988	9.4	20.6
10 28	23 30.73	+ 5 54.1	2.165	2.996	12.3	20.8

368396 2002 SQ_{22} 9 20.6 342°.03 1°.9/19.4 18

8 19	0 13.10	− 3 19.8	1.052	1.965	17.5	19.8
8 29	0 9.47	− 3 38.7	0.990	1.951	12.7	19.5
9 8	0 2.95	− 4 8.9	0.947	1.939	7.3	19.2
9 18	23 54.44	− 4 43.7	0.925	1.929	2.1	18.8
9 28	23 45.42	− 5 14.4	0.926	1.919	5.7	19.0
10 8	23 37.50	− 5 32.2	0.949	1.911	11.5	19.3
10 18	23 32.03	− 5 31.9	0.993	1.905	16.8	19.6
10 28	23 29.87	− 5 10.7	1.054	1.900	21.2	19.8

509059 2005 TW_{70} 9 20.6 306°.56 1°.0/19.8 18

8 19	0 15.13	− 1 16.4	1.413	2.304	15.3	21.4
8 29	0 10.44	− 1 44.4	1.337	2.288	11.2	21.1
9 8	0 3.32	− 2 24.5	1.283	2.272	6.4	20.8
9 18	23 54.51	− 3 11.6	1.253	2.257	1.4	20.5
9 28	23 45.19	− 3 58.0	1.248	2.241	4.6	20.6
10 8	23 36.69	− 4 35.8	1.269	2.226	9.7	20.9
10 18	23 30.15	− 4 59.2	1.312	2.212	14.5	21.1
10 28	23 26.38	− 5 4.3	1.376	2.198	18.5	21.4

522892 2016 OU_{8} 9 20.6 23°.14 9°.5/12.1 18

8 19	0 15.83	−21 58.0	1.458	2.360	14.3	20.3
8 29	0 10.66	−23 27.7	1.423	2.363	11.5	20.1
9 8	0 3.22	−24 45.9	1.409	2.368	9.7	20.1
9 18	23 54.44	−25 42.4	1.419	2.372	9.9	20.1
9 28	23 45.58	−26 9.4	1.452	2.377	11.9	20.2
10 8	23 37.89	−26 4.0	1.508	2.383	14.6	20.4
10 18	23 32.29	−25 28.1	1.583	2.389	17.3	20.6
10 28	23 29.38	−24 25.9	1.675	2.395	19.7	20.8

284648 2007 WK_{59} 9 20.6 323°.67 2°.8/17.9 18

8 19	0 10.69	− 4 24.0	1.643	2.540	13.2	20.5
8 29	0 6.86	− 5 32.5	1.572	2.528	9.4	20.2
9 8	0 1.08	− 6 50.6	1.525	2.515	5.4	20.0
9 18	23 54.02	− 8 11.1	1.503	2.504	2.8	19.8
9 28	23 46.62	− 9 25.0	1.508	2.492	5.5	19.9
10 8	23 39.93	−10 24.7	1.539	2.482	9.7	20.1
10 18	23 34.85	−11 4.7	1.593	2.471	13.6	20.4
10 28	23 32.03	−11 22.5	1.667	2.462	16.9	20.6

476791 2008 UL_{156} 9 20.6 348°.78 4°.0/17.8 18

8 19	0 15.45	− 8 17.5	1.319	2.224	15.2	20.7
8 29	0 10.63	− 8 52.6	1.261	2.219	11.0	20.4
9 8	0 3.35	− 9 31.6	1.224	2.214	6.6	20.2
9 18	23 54.50	−10 7.0	1.211	2.209	4.0	20.0
9 28	23 45.36	−10 30.8	1.223	2.206	6.7	20.2
10 8	23 37.27	−10 37.1	1.258	2.203	11.2	20.4
10 18	23 31.31	−10 23.4	1.316	2.201	15.4	20.7
10 28	23 28.18	− 9 49.6	1.393	2.200	19.0	20.9

516568 2007 DC_{94} 9 20.6 201°.80 2°.6/17.2 18

8 19	0 11.48	− 7 2.0	2.583	3.466	9.5	22.2
8 29	0 6.76	− 8 5.4	2.515	3.463	6.8	22.0
9 8	0 0.75	− 9 12.7	2.472	3.459	4.0	21.8
9 18	23 53.93	−10 18.9	2.459	3.455	2.6	21.7
9 28	23 46.93	−11 18.6	2.475	3.451	4.4	21.8
10 8	23 40.44	−12 7.4	2.519	3.446	7.2	22.0
10 18	23 35.02	−12 42.2	2.590	3.441	9.9	22.2
10 28	23 31.15	−13 1.4	2.683	3.436	12.3	22.4

93895 2000 WX_{141} 9 20.6 295°.28 13°.1/ 5.4 18

8 19	0 19.51	−33 15.7	1.642	2.511	14.7	19.4
8 29	0 13.76	−35 6.9	1.585	2.482	13.5	19.3
9 8	0 5.29	−36 40.5	1.550	2.452	13.2	19.2
9 18	23 54.95	−37 44.4	1.536	2.423	14.1	19.2
9 28	23 44.08	−38 9.4	1.544	2.393	15.9	19.2
10 8	23 34.21	−37 52.6	1.571	2.363	18.2	19.3
10 18	23 26.56	−36 56.0	1.614	2.333	20.5	19.4
10 28	23 21.98	−35 25.5	1.672	2.303	22.5	19.5

17169 Tatarinov 9 20.6 1°.99 0°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.47	+ 2 24.5	1.615	2.496	14.3	17.5
8 29	0 7.37	+ 2 0.5	1.551	2.495	10.5	17.3
9 8	0 1.34	+ 1 22.9	1.509	2.494	6.1	17.1
9 18	23 54.07	+ 0 36.0	1.491	2.495	1.5	16.8
9 28	23 46.57	− 0 13.9	1.500	2.496	3.3	16.9
10 8	23 39.85	− 0 59.9	1.535	2.498	7.8	17.2
10 18	23 34.79	− 1 36.2	1.595	2.501	11.9	17.4
10 28	23 32.00	− 1 58.4	1.676	2.504	15.4	17.7

141841 2002 OD_{21} 9 20.6 2°.15 2°.6/22.4 18

8 19	0 16.24	+ 5 35.0	1.220	2.100	18.0	19.2
8 29	0 11.40	+ 5 44.8	1.159	2.099	13.6	18.9
9 8	0 3.90	+ 5 35.4	1.118	2.098	8.6	18.6
9 18	23 54.64	+ 5 9.4	1.098	2.099	3.7	18.4
9 28	23 45.00	+ 4 32.6	1.103	2.099	4.2	18.4
10 8	23 36.46	+ 3 53.1	1.133	2.101	9.2	18.7
10 18	23 30.20	+ 3 19.0	1.185	2.103	14.1	19.0
10 28	23 27.00	+ 2 56.7	1.256	2.106	18.2	19.3

263972 2009 KC_{1} 9 20.6 113°.96 0°.3/21.1 18

8 19	0 11.68	+ 4 10.8	2.192	3.052	11.8	21.0
8 29	0 7.02	+ 3 11.5	2.129	3.063	8.6	20.9
9 8	0 0.93	+ 1 59.6	2.091	3.074	5.1	20.7
9 18	23 53.97	+ 0 39.7	2.081	3.084	1.2	20.4
9 28	23 46.90	− 0 42.0	2.100	3.095	2.7	20.6
10 8	23 40.46	− 1 58.9	2.148	3.105	6.4	20.8
10 18	23 35.30	− 3 5.6	2.222	3.115	9.7	21.0
10 28	23 31.90	− 3 58.1	2.321	3.124	12.5	21.2

440846 2006 SP_{115} 9 20.6 354°.04 0°.1/20.6 18

8 19	0 14.51	+ 0 20.1	1.688	2.568	13.8	21.2
8 29	0 9.51	+ 0 3.3	1.622	2.566	10.1	20.9
9 8	0 2.55	− 0 24.3	1.578	2.564	5.8	20.7
9 18	23 54.34	− 0 58.5	1.559	2.563	1.2	20.4
9 28	23 45.87	− 1 33.9	1.568	2.562	3.5	20.6
10 8	23 38.19	− 2 4.5	1.603	2.562	7.9	20.8
10 18	23 32.19	− 2 25.5	1.663	2.562	11.9	21.1
10 28	23 28.49	− 2 33.4	1.744	2.562	15.3	21.3

431289 2006 UL_{268} 9 20.6 267°.42 2°.1/18.9 15

8 19	0 16.70	− 3 30.4	1.478	2.369	14.7	21.8
8 29	0 11.37	− 4 12.4	1.412	2.364	10.6	21.6
9 8	0 3.74	− 5 3.8	1.369	2.358	6.0	21.3
9 18	23 54.61	− 5 58.2	1.350	2.353	2.2	21.1
9 28	23 45.13	− 6 47.5	1.358	2.347	5.1	21.2
10 8	23 36.58	− 7 24.6	1.392	2.342	9.8	21.5
10 18	23 29.99	− 7 44.6	1.449	2.337	14.1	21.8
10 28	23 26.06	− 7 45.2	1.526	2.331	17.8	22.0

164998 2000 BO_{25} 9 20.6 266°.46 2°.8/23.3 18

8 19	0 15.26	+ 8 45.7	2.005	2.845	13.6	20.7
8 29	0 10.01	+ 8 43.5	1.912	2.828	10.5	20.4
9 8	0 2.88	+ 8 25.6	1.842	2.810	7.0	20.2
9 18	23 54.44	+ 7 53.1	1.797	2.792	3.7	19.9
9 28	23 45.54	+ 7 9.7	1.781	2.774	3.5	19.9
10 8	23 37.18	+ 6 20.9	1.792	2.755	6.9	20.1
10 18	23 30.23	+ 5 32.8	1.830	2.736	10.6	20.3
10 28	23 25.39	+ 4 51.4	1.891	2.717	14.0	20.5

250766 2005 SQ_{262} 9 20.6 319°.77 0°.4/20.2 18

8 19	0 12.03	+ 0 29.4	1.977	2.853	12.3	20.8
8 29	0 7.50	− 0 9.9	1.906	2.849	8.9	20.6
9 8	0 1.32	− 0 59.8	1.859	2.846	5.1	20.3
9 18	23 54.08	− 1 55.9	1.838	2.842	1.0	20.0
9 28	23 46.61	− 2 52.2	1.845	2.839	3.3	20.2
10 8	23 39.77	− 3 42.7	1.880	2.835	7.3	20.5
10 18	23 34.33	− 4 22.4	1.941	2.832	10.9	20.7
10 28	23 30.83	− 4 48.0	2.024	2.829	13.9	20.9

227082 2005 LY_{49} 9 20.6 0°.70 0°.8/22.3 17

8 19	0 5.12	+ 5 39.6	3.917	4.760	7.4	20.3
8 29	0 1.86	+ 5 5.6	3.837	4.760	5.5	20.2
9 8	23 57.82	+ 4 24.0	3.784	4.760	3.4	20.0
9 18	23 53.32	+ 3 36.9	3.759	4.760	1.3	19.8
9 28	23 48.72	+ 2 46.9	3.764	4.760	1.6	19.9
10 8	23 44.40	+ 1 57.1	3.800	4.760	3.7	20.0
10 18	23 40.72	+ 1 10.3	3.864	4.760	5.8	20.2
10 28	23 37.98	+ 0 29.1	3.954	4.761	7.7	20.3

292580 2006 TX_{89} 9 20.6 279°.92 2°.8/22.9 18

8 19	0 14.96	+ 8 10.0	1.487	2.348	16.4	21.1
8 29	0 10.23	+ 7 54.8	1.410	2.338	12.6	20.8
9 8	0 3.16	+ 7 18.6	1.354	2.329	8.2	20.6
9 18	23 54.51	+ 6 24.1	1.322	2.320	3.8	20.3
9 28	23 45.40	+ 5 17.3	1.316	2.311	3.8	20.3
10 8	23 37.09	+ 4 6.9	1.335	2.302	8.3	20.5
10 18	23 30.67	+ 3 1.8	1.379	2.293	12.9	20.8
10 28	23 26.92	+ 2 9.4	1.445	2.284	16.8	21.0

521457 2015 OG_{91} 9 20.6 55°.65 13°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.92	+38 30.5	1.982	2.622	19.8	20.7
8 29	0 12.43	+39 52.8	1.909	2.627	18.3	20.5
9 8	0 4.48	+40 44.2	1.851	2.631	16.6	20.4
9 18	23 54.80	+40 59.2	1.810	2.636	15.1	20.3
9 28	23 44.56	+40 35.2	1.788	2.641	13.9	20.3
10 8	23 35.09	+39 34.9	1.787	2.645	13.5	20.3
10 18	23 27.56	+38 5.3	1.807	2.650	13.9	20.3
10 28	23 22.83	+36 17.1	1.849	2.655	15.1	20.4

453454 2009 RF_{75} 9 20.6 354°.54 8°.3/29.6 17

8 19	0 5.63	+22 1.9	1.457	2.267	19.2	20.0
8 29	0 3.53	+22 12.1	1.382	2.258	16.3	19.7
9 8	23 59.33	+21 49.4	1.323	2.251	13.1	19.5
9 18	23 53.69	+20 52.3	1.285	2.245	10.0	19.3
9 28	23 47.67	+19 24.1	1.269	2.241	8.4	19.2
10 8	23 42.41	+17 33.6	1.277	2.238	9.3	19.3
10 18	23 38.92	+15 32.6	1.309	2.237	12.1	19.5
10 28	23 37.91	+13 34.2	1.363	2.238	15.5	19.7

63279 2001 DW_{34} 9 20.6 276°.37 0°.3/21.3 18

8 19	0 5.83	+ 2 31.4	4.334	5.185	6.6	20.1
8 29	0 2.31	+ 2 9.1	4.248	5.177	4.8	19.9
9 8	23 58.06	+ 1 41.3	4.189	5.170	2.9	19.8
9 18	23 53.37	+ 1 9.9	4.159	5.162	0.8	19.6
9 28	23 48.58	+ 0 36.9	4.159	5.154	1.5	19.7
10 8	23 44.03	+ 0 4.8	4.190	5.147	3.5	19.8
10 18	23 40.06	− 0 24.3	4.249	5.139	5.5	19.9
10 28	23 36.94	− 0 48.3	4.334	5.131	7.2	20.1

267693 2002 VC_{135} 9 20.6 257°.16 2°.5/18.5 18

8 19	0 16.57	− 4 37.4	1.665	2.553	13.5	20.9
8 29	0 11.18	− 5 26.5	1.589	2.539	9.8	20.7
9 8	0 3.62	− 6 23.9	1.536	2.525	5.6	20.4
9 18	23 54.60	− 7 23.5	1.509	2.510	2.5	20.2
9 28	23 45.17	− 8 17.4	1.509	2.495	5.3	20.3
10 8	23 36.48	− 8 58.6	1.536	2.480	9.6	20.5
10 18	23 29.52	− 9 22.5	1.587	2.465	13.7	20.7
10 28	23 25.03	− 9 26.7	1.658	2.449	17.2	21.0

184370 2005 JB_{144} 9 20.6 87°.57 3°.1/17.5 18

8 19	0 14.19	− 7 18.8	1.884	2.774	12.1	20.0
8 29	0 9.07	− 8 11.1	1.825	2.776	8.6	19.8
9 8	0 2.20	− 9 7.5	1.791	2.779	5.1	19.6
9 18	23 54.27	−10 1.8	1.783	2.781	3.1	19.5
9 28	23 46.17	−10 47.4	1.803	2.783	5.4	19.6
10 8	23 38.83	−11 19.2	1.850	2.785	8.9	19.9
10 18	23 33.03	−11 34.2	1.921	2.787	12.2	20.1
10 28	23 29.31	−11 31.4	2.014	2.789	15.1	20.3

37685 1995 OU_{2} 9 20.7 5°.08 0°.1/20.8 18

8 19	0 5.48	+ 1 43.6	3.709	4.569	7.4	18.6
8 29	0 2.15	+ 1 7.9	3.635	4.570	5.4	18.4
9 8	23 58.00	+ 0 26.1	3.587	4.570	3.1	18.3
9 18	23 53.37	− 0 19.6	3.568	4.571	0.7	18.1
9 28	23 48.64	− 1 6.1	3.578	4.573	1.8	18.2
10 8	23 44.21	− 1 50.3	3.619	4.574	4.1	18.4
10 18	23 40.46	− 2 29.7	3.687	4.576	6.3	18.5
10 28	23 37.69	− 3 1.8	3.781	4.577	8.2	18.7

220768 2004 TK_{126} 9 20.7 7°.07 1°.3/19.2 18

8 19	0 9.78	− 0 41.8	1.892	2.777	12.3	19.7
8 29	0 5.91	− 1 48.4	1.828	2.777	8.8	19.5
9 8	0 0.42	− 3 5.9	1.789	2.778	4.9	19.3
9 18	23 53.90	− 4 28.1	1.776	2.779	1.4	19.1
9 28	23 47.20	− 5 47.6	1.791	2.781	4.0	19.2
10 8	23 41.17	− 6 57.2	1.833	2.783	7.9	19.5
10 18	23 36.52	− 7 51.6	1.900	2.785	11.4	19.7
10 28	23 33.81	− 8 27.7	1.990	2.788	14.4	19.9

411056 2009 VY_{44} 9 20.7 355°.66 4°.7/26.5 18

8 19	0 9.55	+16 45.5	2.141	2.948	14.0	20.4
8 29	0 5.69	+16 27.4	2.061	2.946	11.3	20.2
9 8	0 0.28	+15 48.0	2.002	2.945	8.4	20.0
9 18	23 53.88	+14 48.7	1.968	2.944	5.7	19.9
9 28	23 47.25	+13 33.2	1.961	2.943	4.7	19.8
10 8	23 41.19	+12 8.0	1.981	2.943	6.4	19.9
10 18	23 36.41	+10 40.4	2.028	2.943	9.3	20.1
10 28	23 33.46	+ 9 17.8	2.100	2.943	12.1	20.3

515248 2012 CB_{47} 9 20.7 321°.90 3°.4/16.4 18

8 19	0 9.84	− 6 50.4	2.078	2.971	11.0	20.7
8 29	0 5.87	− 8 22.2	2.015	2.968	7.8	20.5
9 8	0 0.37	− 9 59.7	1.977	2.965	4.7	20.3
9 18	23 53.90	−11 35.9	1.967	2.962	3.4	20.3
9 28	23 47.22	−13 2.8	1.986	2.959	5.7	20.4
10 8	23 41.15	−14 14.1	2.032	2.956	8.9	20.6
10 18	23 36.36	−15 5.7	2.102	2.953	11.9	20.8
10 28	23 33.38	−15 35.8	2.194	2.951	14.5	21.0

73440 2002 ML_{3} 9 20.7 355°.54 11°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 6.37	+32 56.0	1.438	2.176	22.6	17.6
8 29	0 4.25	+32 49.1	1.359	2.171	20.1	17.4
9 8	23 59.81	+31 57.9	1.294	2.167	17.3	17.2
9 18	23 53.81	+30 18.2	1.247	2.164	14.4	17.0
9 28	23 47.44	+27 51.7	1.221	2.162	12.1	16.8
10 8	23 41.99	+24 48.7	1.218	2.162	11.6	16.8
10 18	23 38.52	+21 25.4	1.240	2.163	13.2	16.9
10 28	23 37.75	+18 1.1	1.286	2.164	16.0	17.1

472626 2015 DS_{197} 9 20.7 194°.15 4°.9/25.8 17

8 19	0 15.77	+15 52.3	1.886	2.696	15.5	21.7
8 29	0 10.41	+15 38.3	1.805	2.694	12.5	21.5
9 8	0 3.10	+15 1.1	1.745	2.692	9.1	21.3
9 18	23 54.50	+14 1.5	1.709	2.689	6.0	21.1
9 28	23 45.58	+12 43.8	1.701	2.686	5.0	21.0
10 8	23 37.35	+11 15.4	1.720	2.682	7.3	21.2
10 18	23 30.72	+ 9 45.0	1.766	2.677	10.7	21.3
10 28	23 26.34	+ 8 21.1	1.836	2.672	13.9	21.6

254148 2004 PU_{76} 9 20.7 348°.34 4°.6/25.3 18

8 19	0 12.04	+13 29.0	1.844	2.673	15.0	19.7
8 29	0 7.73	+13 36.0	1.767	2.669	12.0	19.5
9 8	0 1.57	+13 22.9	1.711	2.666	8.7	19.3
9 18	23 54.18	+12 50.4	1.679	2.663	5.6	19.1
9 28	23 46.48	+12 1.8	1.673	2.660	4.8	19.1
10 8	23 39.44	+11 3.3	1.694	2.658	7.2	19.2
10 18	23 33.90	+10 2.1	1.740	2.656	10.5	19.4
10 28	23 30.51	+ 9 5.4	1.810	2.654	13.7	19.6

301359 2009 CA_{39} 9 20.7 292°.43 1°.0/19.6 18

8 19	0 11.75	+ 0 8.5	1.758	2.640	13.2	20.7
8 29	0 7.57	− 0 51.9	1.680	2.627	9.6	20.5
9 8	0 1.51	− 2 5.7	1.626	2.615	5.4	20.2
9 18	23 54.18	− 3 27.1	1.598	2.602	1.3	19.9
9 28	23 46.49	− 4 48.0	1.597	2.589	4.0	20.1
10 8	23 39.47	− 6 0.4	1.624	2.577	8.4	20.3
10 18	23 33.96	− 6 57.8	1.675	2.564	12.5	20.5
10 28	23 30.63	− 7 36.1	1.747	2.552	15.9	20.7

423423 2005 PG_{16} 9 20.7 81°.97 3°.8/17.2 17

8 19	0 15.49	− 6 23.8	1.455	2.353	14.5	20.6
8 29	0 10.31	− 7 43.3	1.410	2.366	10.3	20.4
9 8	0 3.02	− 9 8.7	1.389	2.378	6.0	20.2
9 18	23 54.47	−10 31.0	1.393	2.391	3.8	20.1
9 28	23 45.84	−11 40.6	1.424	2.403	6.6	20.3
10 8	23 38.27	−12 30.4	1.480	2.416	10.6	20.5
10 18	23 32.67	−12 57.0	1.558	2.428	14.4	20.8
10 28	23 29.59	−13 0.1	1.657	2.440	17.5	21.1

101077 1998 RH_{22} 9 20.7 320°.66 0°.8/21.5 18

8 19	0 9.01	+ 6 12.5	1.532	2.408	15.2	19.5
8 29	0 5.85	+ 5 5.2	1.452	2.392	11.4	19.2
9 8	0 0.63	+ 3 35.3	1.393	2.377	6.9	18.9
9 18	23 54.01	+ 1 48.0	1.359	2.362	2.0	18.6
9 28	23 46.98	− 0 7.0	1.351	2.347	3.5	18.6
10 8	23 40.63	− 1 58.6	1.370	2.333	8.5	18.9
10 18	23 35.94	− 3 36.3	1.413	2.320	13.1	19.1
10 28	23 33.63	− 4 52.7	1.478	2.308	17.0	19.4

476140 2007 TD_{268} 9 20.7 256°.95 5°.0/16.1 18

8 19	0 18.70	−14 11.7	1.992	2.879	11.7	21.3
8 29	0 12.40	−14 50.6	1.922	2.866	8.7	21.1
9 8	0 4.18	−15 27.4	1.876	2.854	6.0	20.9
9 18	23 54.75	−15 55.9	1.857	2.841	5.0	20.8
9 28	23 45.03	−16 10.5	1.865	2.828	7.0	20.9
10 8	23 36.06	−16 7.4	1.901	2.814	10.0	21.1
10 18	23 28.68	−15 45.8	1.961	2.801	13.1	21.3
10 28	23 23.52	−15 6.2	2.041	2.787	15.8	21.4

224244 2005 SY_{126} 9 20.7 169°.36 0°.4/20.3 17

8 19	0 17.11	+ 0 22.8	1.911	2.780	12.9	21.4
8 29	0 11.19	− 0 12.3	1.844	2.784	9.4	21.2
9 8	0 3.46	− 0 57.8	1.801	2.787	5.3	20.9
9 18	23 54.59	− 1 49.3	1.785	2.789	1.1	20.6
9 28	23 45.51	− 2 40.7	1.798	2.791	3.4	20.8
10 8	23 37.19	− 3 26.1	1.839	2.793	7.5	21.1
10 18	23 30.45	− 4 0.7	1.906	2.794	11.2	21.3
10 28	23 25.87	− 4 21.4	1.996	2.794	14.4	21.5

330606 2008 DF_{48} 9 20.7 98°.61 1°.0/19.8 17 R

8 19	0 18.13	− 0 45.8	1.550	2.431	14.8	20.8
8 29	0 12.10	− 1 26.0	1.501	2.447	10.6	20.6
9 8	0 4.00	− 2 16.8	1.475	2.463	6.0	20.4
9 18	23 54.69	− 3 12.3	1.474	2.478	1.3	20.1
9 28	23 45.31	− 4 5.1	1.501	2.493	4.1	20.3
10 8	23 36.99	− 4 48.3	1.554	2.508	8.6	20.6
10 18	23 30.61	− 5 17.3	1.632	2.523	12.6	20.9
10 28	23 26.73	− 5 29.6	1.731	2.537	16.0	21.2

12354 Hemmerechts 9 20.7 253°.16 1°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.66	− 1 16.5	2.258	3.136	10.9	18.1
8 29	0 6.37	− 2 17.2	2.186	3.131	7.8	17.9
9 8	0 0.64	− 3 26.8	2.138	3.126	4.4	17.7
9 18	23 53.99	− 4 40.5	2.118	3.121	1.3	17.5
9 28	23 47.13	− 5 52.1	2.127	3.116	3.6	17.6
10 8	23 40.82	− 6 55.6	2.165	3.111	7.0	17.9
10 18	23 35.69	− 7 46.6	2.228	3.106	10.3	18.1
10 28	23 32.27	− 8 22.0	2.315	3.101	13.0	18.2

223081 2002 TF_{278} 9 20.7 346°.72 6°.7/25.6 18

8 19	0 12.95	+13 58.0	1.194	2.049	19.9	19.0
8 29	0 9.24	+14 29.1	1.126	2.042	16.1	18.8
9 8	0 2.83	+14 32.3	1.075	2.035	11.9	18.5
9 18	23 54.52	+14 6.3	1.045	2.029	8.0	18.3
9 28	23 45.66	+13 14.7	1.038	2.025	6.8	18.2
10 8	23 37.78	+12 6.5	1.053	2.021	9.7	18.4
10 18	23 32.15	+10 52.9	1.091	2.019	14.0	18.6
10 28	23 29.65	+ 9 45.4	1.148	2.017	18.2	18.9

350522 2000 DU_{88} 9 20.7 280°.54 5°.6/24.4 18

8 19	0 23.75	+12 10.8	1.904	2.717	15.2	21.0
8 29	0 16.41	+13 19.0	1.813	2.705	12.3	20.8
9 8	0 6.72	+14 12.8	1.746	2.694	9.1	20.6
9 18	23 55.35	+14 49.8	1.705	2.682	6.3	20.4
9 28	23 43.35	+15 9.4	1.692	2.670	5.8	20.3
10 8	23 31.94	+15 14.3	1.708	2.659	8.2	20.5
10 18	23 22.24	+15 9.2	1.750	2.647	11.5	20.6
10 28	23 15.07	+15 0.1	1.815	2.636	14.7	20.8

92335 2000 GS_{80} 9 20.7 46°.29 1°.5/21.8 17

8 19	0 15.21	+ 5 33.3	1.134	2.020	18.6	19.6
8 29	0 10.66	+ 4 58.7	1.083	2.028	13.9	19.3
9 8	0 3.47	+ 4 1.3	1.051	2.036	8.4	19.0
9 18	23 54.62	+ 2 47.2	1.042	2.044	2.7	18.7
9 28	23 45.54	+ 1 26.4	1.056	2.053	4.0	18.8
10 8	23 37.70	+ 0 10.3	1.095	2.062	9.6	19.2
10 18	23 32.24	− 0 51.6	1.156	2.072	14.6	19.5
10 28	23 29.82	− 1 33.1	1.236	2.081	18.7	19.8

321397 2009 PF_{16} 9 20.7 33°.40 0°.5/21.1 18

8 19	0 13.47	+ 1 58.4	1.940	2.810	12.7	20.4
8 29	0 8.51	+ 1 43.6	1.878	2.817	9.3	20.2
9 8	0 1.90	+ 1 18.3	1.840	2.824	5.5	20.0
9 18	23 54.26	+ 0 45.8	1.829	2.832	1.4	19.8
9 28	23 46.48	+ 0 10.9	1.845	2.840	2.9	19.9
10 8	23 39.42	− 0 21.2	1.888	2.848	6.8	20.2
10 18	23 33.82	− 0 46.2	1.957	2.857	10.4	20.4
10 28	23 30.22	− 1 0.6	2.050	2.866	13.4	20.6

236640 2006 KL_{39} 9 20.7 132°.77 5°.4/26.7 17

8 19	0 15.82	+17 34.2	2.082	2.875	14.8	20.9
8 29	0 10.23	+17 38.8	2.011	2.885	12.0	20.7
9 8	0 2.90	+17 22.3	1.961	2.895	9.1	20.6
9 18	23 54.49	+16 45.1	1.935	2.905	6.4	20.4
9 28	23 45.87	+15 50.1	1.937	2.914	5.4	20.4
10 8	23 37.95	+14 43.3	1.967	2.922	7.0	20.5
10 18	23 31.53	+13 31.7	2.023	2.930	9.7	20.7
10 28	23 27.16	+12 22.5	2.104	2.938	12.5	20.9

73572 4765 *P–L* 9 20.7 35°.10 0°.4/20.3 18

8 19	0 14.69	+ 0 15.5	1.336	2.227	16.0	19.0
8 29	0 9.86	− 0 12.0	1.290	2.241	11.5	18.8
9 8	0 2.82	− 0 52.4	1.266	2.255	6.6	18.6
9 18	23 54.46	− 1 39.6	1.266	2.270	1.3	18.3
9 28	23 46.03	− 2 26.0	1.292	2.286	4.0	18.5
10 8	23 38.72	− 3 4.2	1.342	2.303	8.9	18.9
10 18	23 33.46	− 3 29.0	1.416	2.320	13.3	19.2
10 28	23 30.82	− 3 37.3	1.510	2.338	16.8	19.4

483335 2016 QU_{45} 9 20.7 4°.58 3°.8/17.1 18

8 19	0 2.91	− 1 28.6	0.940	1.867	17.6	18.3
8 29	0 2.03	− 3 33.5	0.895	1.866	12.4	18.1
9 8	23 58.63	− 5 58.2	0.871	1.866	6.9	17.8
9 18	23 53.61	− 8 27.4	0.868	1.869	3.8	17.6
9 28	23 48.32	−10 42.6	0.887	1.874	7.8	17.9
10 8	23 44.15	−12 28.3	0.929	1.881	13.2	18.2
10 18	23 42.16	−13 36.6	0.989	1.890	17.9	18.5
10 28	23 42.98	−14 5.8	1.066	1.900	21.9	18.8

327181 2005 LH_{23} 9 20.7 22°.46 6°.8/16.2 18

8 19	0 11.74	−10 54.3	0.855	1.787	18.4	18.7
8 29	0 8.40	−12 7.5	0.832	1.801	13.3	18.5
9 8	0 2.16	−13 19.6	0.828	1.818	8.6	18.3
9 18	23 54.32	−14 17.9	0.843	1.837	6.9	18.3
9 28	23 46.57	−14 51.1	0.880	1.857	9.9	18.5
10 8	23 40.46	−14 54.1	0.937	1.880	14.3	18.8
10 18	23 37.00	−14 27.4	1.012	1.903	18.5	19.2
10 28	23 36.68	−13 34.5	1.104	1.928	21.9	19.5

299196 2005 GP_{163} 9 20.7 218°.32 0°.3/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.62	+ 2 45.7	1.995	2.861	12.6	21.5
8 29	0 8.68	+ 2 9.8	1.921	2.857	9.2	21.3
9 8	0 2.05	+ 1 21.5	1.871	2.854	5.4	21.1
9 18	23 54.32	+ 0 24.8	1.847	2.851	1.3	20.8
9 28	23 46.35	− 0 34.6	1.852	2.847	3.0	20.9
10 8	23 39.01	− 1 30.4	1.885	2.843	7.0	21.2
10 18	23 33.09	− 2 17.3	1.944	2.839	10.7	21.4
10 28	23 29.16	− 2 51.0	2.025	2.835	13.8	21.6

348963 2006 UQ_{46} 9 20.7 34°.54 1°.9/18.8 18

8 19	0 13.46	− 3 42.6	1.829	2.716	12.6	20.9
8 29	0 8.61	− 4 25.9	1.769	2.719	9.0	20.7
9 8	0 2.00	− 5 16.4	1.733	2.723	5.1	20.5
9 18	23 54.30	− 6 8.6	1.724	2.726	1.9	20.3
9 28	23 46.44	− 6 55.9	1.742	2.730	4.4	20.5
10 8	23 39.35	− 7 32.9	1.787	2.735	8.2	20.7
10 18	23 33.79	− 7 55.6	1.857	2.739	11.8	20.9
10 28	23 30.34	− 8 2.0	1.949	2.743	14.8	21.2

344429 2002 EP_{43} 9 20.7 155°.87 0°.6/21.3 17

8 19	0 16.71	+ 2 57.3	2.294	3.147	11.6	21.9
8 29	0 10.64	+ 2 32.3	2.226	3.156	8.5	21.7
9 8	0 3.05	+ 1 57.1	2.183	3.164	5.0	21.5
9 18	23 54.53	+ 1 14.9	2.168	3.171	1.4	21.3
9 28	23 45.86	+ 0 30.1	2.183	3.178	2.6	21.4
10 8	23 37.85	− 0 12.4	2.227	3.184	6.2	21.6
10 18	23 31.17	− 0 48.2	2.299	3.189	9.5	21.9
10 28	23 26.33	− 1 14.0	2.395	3.194	12.3	22.1

293329 2007 DG_{67} 9 20.7 108°.49 1°.1/19.4 18

8 19	0 12.59	− 2 8.2	2.363	3.237	10.6	20.9
8 29	0 7.61	− 2 49.4	2.304	3.248	7.5	20.7
9 8	0 1.28	− 3 37.2	2.270	3.258	4.2	20.5
9 18	23 54.14	− 4 27.3	2.265	3.268	1.2	20.3
9 28	23 46.91	− 5 14.8	2.288	3.278	3.3	20.5
10 8	23 40.28	− 5 55.2	2.340	3.287	6.5	20.7
10 18	23 34.86	− 6 25.2	2.418	3.297	9.5	20.9
10 28	23 31.10	− 6 42.4	2.520	3.306	12.1	21.1

111707 2002 CL_{26} 9 20.7 333°.36 8°.9/28.9 18

8 19	0 13.68	+22 15.8	1.738	2.520	17.7	18.6
8 29	0 9.27	+23 6.8	1.655	2.510	15.1	18.4
9 8	0 2.66	+23 32.5	1.590	2.500	12.4	18.2
9 18	23 54.51	+23 29.9	1.546	2.491	10.0	18.1
9 28	23 45.81	+22 59.0	1.526	2.482	8.9	18.0
10 8	23 37.77	+22 4.4	1.530	2.474	9.7	18.0
10 18	23 31.42	+20 54.0	1.559	2.466	12.0	18.2
10 28	23 27.56	+19 37.7	1.609	2.459	14.9	18.3

11533 Akebäck 9 20.7 79°.74 3°.4/16.7 18

8 19	0 12.10	− 7 58.7	2.056	2.948	11.2	17.7
8 29	0 7.43	− 9 10.4	2.006	2.958	8.0	17.5
9 8	0 1.24	−10 25.2	1.981	2.968	4.8	17.4
9 18	23 54.14	−11 36.7	1.984	2.978	3.4	17.3
9 28	23 46.95	−12 38.3	2.014	2.988	5.5	17.4
10 8	23 40.46	−13 24.8	2.072	2.998	8.6	17.7
10 18	23 35.34	−13 53.4	2.154	3.008	11.6	17.9
10 28	23 32.07	−14 3.2	2.257	3.018	14.1	18.1

475325 2005 YJ_{207} 9 20.7 316°.90 0°.4/20.4 18

8 19	0 13.50	+ 0 17.3	1.328	2.222	15.9	20.6
8 29	0 9.51	− 0 6.9	1.247	2.199	11.7	20.3
9 8	0 2.97	− 0 46.1	1.187	2.176	6.8	20.0
9 18	23 54.60	− 1 35.4	1.150	2.154	1.4	19.6
9 28	23 45.58	− 2 27.1	1.137	2.132	4.4	19.7
10 8	23 37.31	− 3 12.4	1.149	2.111	9.9	20.0
10 18	23 31.04	− 3 44.0	1.184	2.091	15.0	20.2
10 28	23 27.66	− 3 56.9	1.237	2.072	19.4	20.4

169445 2002 AG_{173} 9 20.7 3°.73 4°.1/23.4 18

8 19	0 16.25	+ 8 16.2	1.117	1.993	19.5	19.5
8 29	0 11.66	+ 8 35.5	1.057	1.992	15.1	19.3
9 8	0 4.21	+ 8 31.4	1.016	1.992	10.1	19.0
9 18	23 54.84	+ 8 5.2	0.996	1.993	5.2	18.7
9 28	23 45.04	+ 7 22.6	0.999	1.994	5.0	18.7
10 8	23 36.41	+ 6 32.7	1.026	1.996	9.6	19.0
10 18	23 30.23	+ 5 45.3	1.074	1.999	14.6	19.3
10 28	23 27.34	+ 5 9.0	1.142	2.002	18.9	19.6

222565 2001 VK_{84} 9 20.7 202°.13 4°.8/16.6 18

8 19	0 17.84	−11 19.5	1.655	2.550	13.2	20.3
8 29	0 11.98	−12 13.0	1.598	2.549	9.7	20.1
9 8	0 4.02	−13 7.1	1.564	2.548	6.2	19.9
9 18	23 54.76	−13 54.3	1.556	2.546	4.9	19.8
9 28	23 45.30	−14 27.3	1.575	2.545	7.1	19.9
10 8	23 36.76	−14 41.3	1.619	2.544	10.7	20.1
10 18	23 30.07	−14 34.5	1.687	2.542	14.2	20.4
10 28	23 25.86	−14 7.4	1.774	2.540	17.1	20.6

63716 2001 QV_{216} 9 20.7 50°.50 0°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.88	− 0 4.9	1.392	2.277	15.8	19.1
8 29	0 12.22	− 0 19.7	1.338	2.285	11.5	18.8
9 8	0 4.22	− 0 46.3	1.306	2.294	6.6	18.6
9 18	23 54.81	− 1 19.8	1.298	2.302	1.4	18.3
9 28	23 45.21	− 1 53.6	1.316	2.311	4.0	18.5
10 8	23 36.72	− 2 21.0	1.360	2.320	8.9	18.8
10 18	23 30.32	− 2 37.0	1.427	2.329	13.3	19.1
10 28	23 26.66	− 2 38.5	1.515	2.338	17.0	19.3

10099 Glazebrook 9 20.7 307°.64 1°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.43	− 3 3.0	2.202	3.084	11.0	18.3
8 29	0 7.00	− 3 42.2	2.126	3.073	7.9	18.1
9 8	0 1.06	− 4 28.5	2.074	3.063	4.4	17.9
9 18	23 54.13	− 5 17.5	2.050	3.052	1.5	17.7
9 28	23 46.96	− 6 3.8	2.053	3.042	3.7	17.8
10 8	23 40.33	− 6 42.4	2.085	3.032	7.2	18.0
10 18	23 34.92	− 7 9.6	2.142	3.023	10.5	18.2
10 28	23 31.29	− 7 22.8	2.222	3.013	13.3	18.4

223871 2004 TK_{343} 9 20.7 23°.58 4°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.17	−14 6.3	2.010	2.902	11.4	19.6
8 29	0 9.70	−14 49.0	1.957	2.904	8.4	19.5
9 8	0 2.57	−15 29.2	1.928	2.907	5.8	19.3
9 18	23 54.44	−16 1.1	1.926	2.910	4.9	19.3
9 28	23 46.20	−16 19.4	1.952	2.914	6.8	19.4
10 8	23 38.75	−16 20.8	2.004	2.917	9.6	19.6
10 18	23 32.80	−16 4.3	2.079	2.921	12.4	19.8
10 28	23 28.89	−15 30.8	2.176	2.925	14.9	19.9

225086 2007 LB_{3} 9 20.7 279°.61 1°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.58	+ 8 12.5	2.322	3.165	11.8	20.4
8 29	0 6.38	+ 7 39.4	2.232	3.152	9.0	20.1
9 8	0 0.71	+ 6 51.3	2.166	3.138	5.8	19.9
9 18	23 54.06	+ 5 50.7	2.126	3.124	2.6	19.7
9 28	23 47.13	+ 4 42.1	2.115	3.110	2.7	19.7
10 8	23 40.67	+ 3 31.4	2.132	3.096	5.9	19.9
10 18	23 35.34	+ 2 24.6	2.177	3.082	9.3	20.0
10 28	23 31.71	+ 1 26.8	2.246	3.067	12.2	20.2

383830 2008 FN_{66} 9 20.7 42°.42 2°.6/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.97	− 4 27.3	1.183	2.087	16.7	20.4
8 29	0 11.67	− 5 6.8	1.146	2.103	11.9	20.1
9 8	0 3.90	− 5 54.2	1.129	2.120	6.7	19.9
9 18	23 54.73	− 6 41.6	1.136	2.138	2.7	19.7
9 28	23 45.56	− 7 20.3	1.167	2.157	5.7	20.0
10 8	23 37.76	− 7 43.7	1.223	2.176	10.6	20.3
10 18	23 32.29	− 7 48.4	1.301	2.195	14.9	20.6
10 28	23 29.71	− 7 33.5	1.397	2.215	18.4	20.9

429451 2010 VX_{159} 9 20.7 282°.87 1°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.69	− 1 27.1	1.416	2.308	15.2	21.6
8 29	0 10.16	− 2 24.8	1.342	2.294	11.0	21.3
9 8	0 3.23	− 3 36.7	1.290	2.280	6.2	21.0
9 18	23 54.64	− 4 55.7	1.262	2.266	1.9	20.7
9 28	23 45.58	− 6 12.3	1.261	2.251	5.1	20.9
10 8	23 37.33	− 7 16.8	1.284	2.237	10.2	21.1
10 18	23 31.02	− 8 2.2	1.331	2.223	14.8	21.4
10 28	23 27.44	− 8 24.7	1.397	2.209	18.8	21.6

473398 2015 VX_{51} 9 20.7 26°.13 5°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.98	+17 42.0	1.983	2.789	15.0	20.5
8 29	0 6.10	+17 18.7	1.910	2.794	12.2	20.4
9 8	0 0.59	+16 31.8	1.858	2.799	9.1	20.2
9 18	23 54.04	+15 22.9	1.829	2.804	6.2	20.0
9 28	23 47.28	+13 56.4	1.827	2.810	5.0	20.0
10 8	23 41.19	+12 19.9	1.853	2.816	6.7	20.1
10 18	23 36.50	+10 41.6	1.905	2.822	9.7	20.3
10 28	23 33.75	+ 9 9.8	1.982	2.828	12.6	20.5

323703 2005 GF_{140} 9 20.7 119°.98 1°.7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.13	+ 6 24.4	1.676	2.531	15.1	21.5
8 29	0 12.07	+ 5 55.6	1.619	2.547	11.3	21.3
9 8	0 4.01	+ 5 9.9	1.584	2.562	7.0	21.1
9 18	23 54.76	+ 4 11.4	1.576	2.576	2.6	20.8
9 28	23 45.39	+ 3 6.6	1.595	2.590	3.2	20.9
10 8	23 36.98	+ 2 3.1	1.641	2.604	7.5	21.2
10 18	23 30.39	+ 1 7.6	1.714	2.616	11.4	21.5
10 28	23 26.20	+ 0 25.3	1.809	2.629	14.8	21.7

93841 2000 WJ_{87} 9 20.7 302°.64 4°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.31	−10 44.1	2.021	2.915	11.3	18.7
8 29	0 8.47	−11 36.7	1.954	2.905	8.2	18.5
9 8	0 1.94	−12 30.8	1.912	2.896	5.2	18.3
9 18	23 54.34	−13 20.2	1.896	2.887	4.1	18.3
9 28	23 46.49	−13 58.8	1.907	2.878	6.1	18.4
10 8	23 39.29	−14 21.9	1.945	2.869	9.3	18.6
10 18	23 33.51	−14 27.2	2.008	2.860	12.4	18.7
10 28	23 29.71	−14 14.1	2.091	2.851	15.0	18.9

281927 2011 FV_{19} 9 20.7 77°.15 2°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.30	− 2 26.4	1.609	2.499	13.8	19.4
8 29	0 8.55	− 4 8.9	1.567	2.519	9.7	19.2
9 8	0 1.96	− 6 1.0	1.549	2.539	5.4	19.0
9 18	23 54.32	− 7 53.3	1.558	2.559	2.6	18.9
9 28	23 46.63	− 9 35.7	1.595	2.578	5.4	19.1
10 8	23 39.89	−10 59.8	1.658	2.598	9.4	19.4
10 18	23 34.86	−12 0.9	1.746	2.617	13.0	19.7
10 28	23 32.07	−12 37.4	1.855	2.636	16.0	19.9

237742 2001 XH_{122} 9 20.7 270°.40 0°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.26	+ 0 3.2	1.697	2.576	13.8	21.3
8 29	0 10.27	− 0 35.8	1.615	2.560	10.1	21.0
9 8	0 3.17	− 1 27.4	1.556	2.544	5.8	20.7
9 18	23 54.63	− 2 26.6	1.523	2.527	1.2	20.4
9 28	23 45.65	− 3 26.5	1.517	2.510	3.9	20.6
10 8	23 37.33	− 4 19.7	1.538	2.494	8.6	20.8
10 18	23 30.66	− 5 0.1	1.584	2.476	12.8	21.0
10 28	23 26.38	− 5 23.6	1.651	2.459	16.5	21.2

259712 2003 YW_{55} 9 20.7 345°.25 6°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.67	−10 47.8	1.005	1.930	17.0	18.8
8 29	0 8.51	−12 4.1	0.953	1.919	12.5	18.6
9 8	0 2.47	−13 24.3	0.920	1.910	8.2	18.3
9 18	23 54.49	−14 35.8	0.909	1.902	6.9	18.2
9 28	23 46.11	−15 25.8	0.919	1.895	10.0	18.4
10 8	23 38.94	−15 45.7	0.951	1.889	14.7	18.6
10 18	23 34.27	−15 32.9	1.000	1.885	19.2	18.9
10 28	23 32.87	−14 49.2	1.066	1.883	23.0	19.1

154982 2004 VA_{28} 9 20.7 315°.18 1°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.58	− 3 20.1	2.019	2.899	11.9	20.2
8 29	0 9.40	− 3 36.6	1.943	2.889	8.6	19.9
9 8	0 2.49	− 3 59.2	1.891	2.879	4.9	19.7
9 18	23 54.46	− 4 24.2	1.866	2.869	1.4	19.4
9 28	23 46.15	− 4 46.9	1.869	2.860	3.7	19.6
10 8	23 38.47	− 5 2.8	1.899	2.851	7.5	19.8
10 18	23 32.20	− 5 8.7	1.955	2.842	11.1	20.0
10 28	23 27.93	− 5 2.2	2.034	2.833	14.1	20.2

359342 2009 SV_{119} 9 20.7 51°.98 3°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.56	+14 54.8	2.067	2.886	14.0	20.1
8 29	0 5.66	+13 39.2	1.997	2.897	10.9	19.9
9 8	0 0.26	+12 0.6	1.951	2.909	7.5	19.7
9 18	23 53.97	+10 3.3	1.931	2.921	4.2	19.5
9 28	23 47.56	+ 7 54.7	1.941	2.933	3.3	19.5
10 8	23 41.82	+ 5 44.0	1.980	2.946	6.1	19.7
10 18	23 37.40	+ 3 40.2	2.047	2.958	9.4	19.9
10 28	23 34.79	+ 1 50.7	2.140	2.971	12.4	20.2

176140 2001 FJ_{63} 9 20.7 117°.92 2°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.79	− 4 17.4	1.581	2.469	14.1	20.1
8 29	0 11.91	− 5 13.2	1.530	2.480	10.1	19.8
9 8	0 3.96	− 6 16.4	1.503	2.492	5.7	19.6
9 18	23 54.78	− 7 20.0	1.501	2.502	2.5	19.4
9 28	23 45.49	− 8 16.0	1.527	2.513	5.2	19.7
10 8	23 37.21	− 8 57.9	1.579	2.523	9.4	19.9
10 18	23 30.83	− 9 21.9	1.655	2.533	13.2	20.2
10 28	23 26.92	− 9 26.6	1.752	2.542	16.4	20.4

74213 1998 RD_{67} 9 20.7 73°.63 3°.7/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.28	+14 11.2	1.435	2.274	18.0	18.2
8 29	0 9.48	+13 9.4	1.385	2.297	14.0	18.0
9 8	0 2.58	+11 39.2	1.356	2.320	9.5	17.8
9 18	23 54.48	+ 9 46.0	1.351	2.343	5.1	17.6
9 28	23 46.34	+ 7 39.8	1.372	2.366	4.1	17.6
10 8	23 39.30	+ 5 33.1	1.421	2.388	7.7	17.9
10 18	23 34.22	+ 3 37.1	1.495	2.411	11.9	18.2
10 28	23 31.65	+ 2 0.3	1.592	2.433	15.4	18.5

131115 2001 BN 9 20.7 173°.94 4°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.75	−10 58.8	1.921	2.812	11.8	19.9
8 29	0 10.24	−12 0.5	1.864	2.814	8.6	19.7
9 8	0 2.95	−13 3.1	1.831	2.815	5.6	19.5
9 18	23 54.58	−13 59.8	1.826	2.815	4.4	19.4
9 28	23 46.03	−14 44.1	1.848	2.816	6.5	19.6
10 8	23 38.26	−15 11.0	1.897	2.816	9.7	19.8
10 18	23 32.06	−15 18.6	1.969	2.816	12.8	20.0
10 28	23 27.97	−15 6.8	2.063	2.816	15.4	20.2

352381 2007 VF_{304} 9 20.7 282°.56 3°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.30	− 5 59.3	1.841	2.736	12.1	20.3
8 29	0 7.17	− 7 33.1	1.775	2.729	8.6	20.1
9 8	0 1.27	− 9 14.8	1.734	2.722	5.1	19.9
9 18	23 54.23	−10 56.3	1.719	2.716	3.5	19.8
9 28	23 46.93	−12 28.4	1.733	2.709	6.0	19.9
10 8	23 40.29	−13 43.7	1.774	2.702	9.6	20.1
10 18	23 35.11	−14 37.2	1.838	2.696	13.1	20.3
10 28	23 31.99	−15 7.1	1.923	2.689	16.0	20.5

475424 2006 KX_{122} 9 20.7 84°.26 5°.5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.55	−13 19.6	1.761	2.657	12.5	20.9
8 29	0 10.11	−14 35.2	1.721	2.671	9.2	20.7
9 8	0 2.84	−15 48.8	1.706	2.685	6.3	20.6
9 18	23 54.54	−16 52.4	1.716	2.699	5.6	20.6
9 28	23 46.20	−17 38.9	1.754	2.713	7.7	20.7
10 8	23 38.79	−18 4.0	1.817	2.726	10.7	20.9
10 18	23 33.09	−18 6.7	1.903	2.740	13.6	21.2
10 28	23 29.61	−17 48.1	2.009	2.753	16.1	21.4

423402 2005 LY_{18} 9 20.7 64°.96 1°.0/19.8 17

8 19	0 16.38	+ 1 4.5	1.285	2.174	16.7	21.2
8 29	0 11.04	− 0 4.1	1.249	2.199	11.9	21.0
9 8	0 3.47	− 1 27.1	1.235	2.224	6.6	20.8
9 18	23 54.67	− 2 55.7	1.246	2.250	1.4	20.5
9 28	23 45.93	− 4 19.5	1.282	2.275	4.5	20.8
10 8	23 38.46	− 5 29.3	1.344	2.301	9.4	21.2
10 18	23 33.15	− 6 19.2	1.430	2.326	13.7	21.5
10 28	23 30.51	− 6 46.8	1.535	2.351	17.2	21.8

432300 2009 SN_{308} 9 20.7 309°.52 2°.9/15.2 18

8 19	0 7.56	−14 47.1	4.050	4.933	6.3	20.8
8 29	0 3.63	−15 20.6	3.983	4.925	4.7	20.7
9 8	23 58.91	−15 52.5	3.943	4.917	3.3	20.6
9 18	23 53.70	−16 20.2	3.931	4.910	3.0	20.5
9 28	23 48.40	−16 41.1	3.949	4.902	4.0	20.6
10 8	23 43.39	−16 53.1	3.995	4.895	5.6	20.7
10 18	23 39.05	−16 55.2	4.068	4.887	7.3	20.8
10 28	23 35.69	−16 46.9	4.163	4.880	8.8	20.9

362390 2010 OW_{38} 9 20.7 254°.28 3°.3/17.5 18

8 19	0 16.57	−10 6.1	2.204	3.088	10.9	20.7
8 29	0 10.69	−10 33.8	2.135	3.081	7.9	20.5
9 8	0 3.18	−11 2.3	2.091	3.075	4.8	20.4
9 18	23 54.64	−11 26.8	2.074	3.068	3.3	20.2
9 28	23 45.90	−11 42.6	2.086	3.062	5.2	20.4
10 8	23 37.82	−11 46.4	2.126	3.055	8.3	20.5
10 18	23 31.11	−11 36.3	2.191	3.048	11.3	20.7
10 28	23 26.34	−11 11.9	2.278	3.041	13.9	20.9

305575 2008 XO_{37} 9 20.7 100°.56 1°.6/19.6 17

8 19	0 20.26	− 1 55.3	1.288	2.178	16.6	20.3
8 29	0 14.04	− 2 34.8	1.240	2.191	11.9	20.1
9 8	0 5.32	− 3 25.4	1.214	2.203	6.7	19.8
9 18	23 55.11	− 4 20.1	1.212	2.215	1.8	19.6
9 28	23 44.78	− 5 10.2	1.235	2.227	5.0	19.8
10 8	23 35.74	− 5 48.0	1.284	2.239	10.0	20.1
10 18	23 29.01	− 6 8.7	1.356	2.250	14.5	20.4
10 28	23 25.23	− 6 10.2	1.448	2.261	18.2	20.7

330151 2006 BP_{5} 9 20.7 272°.83 2°.1/17.9 18

8 19	0 11.13	− 4 27.1	2.381	3.262	10.2	20.6
8 29	0 6.78	− 5 31.8	2.295	3.243	7.3	20.4
9 8	0 0.97	− 6 43.8	2.235	3.223	4.2	20.2
9 18	23 54.19	− 7 57.9	2.203	3.203	2.1	20.0
9 28	23 47.11	− 9 8.0	2.200	3.183	4.2	20.1
10 8	23 40.47	−10 8.5	2.226	3.162	7.5	20.3
10 18	23 34.95	−10 55.0	2.277	3.142	10.6	20.4
10 28	23 31.08	−11 25.0	2.351	3.121	13.3	20.6

365659 2010 VA_{32} 9 20.7 274°.98 0°.8/19.8 17

8 19	0 11.84	− 0 39.1	2.174	3.049	11.3	21.9
8 29	0 7.34	− 1 23.4	2.098	3.041	8.2	21.7
9 8	0 1.30	− 2 17.0	2.046	3.033	4.6	21.5
9 18	23 54.26	− 3 15.5	2.021	3.025	1.1	21.2
9 28	23 46.98	− 4 13.3	2.025	3.016	3.3	21.4
10 8	23 40.25	− 5 4.6	2.056	3.008	7.0	21.6
10 18	23 34.77	− 5 45.1	2.114	3.000	10.4	21.8
10 28	23 31.08	− 6 11.5	2.195	2.991	13.3	22.0

510489 2011 XA_{4} 9 20.7 68°.27 6°.0/27.5 18

8 19	0 13.56	+19 0.3	2.034	2.824	15.2	20.8
8 29	0 8.72	+19 11.1	1.962	2.831	12.5	20.7
9 8	0 2.14	+18 59.6	1.910	2.838	9.7	20.5
9 18	23 54.45	+18 25.9	1.882	2.845	7.1	20.4
9 28	23 46.52	+17 32.6	1.880	2.852	6.0	20.3
10 8	23 39.28	+16 25.5	1.905	2.859	7.3	20.4
10 18	23 33.49	+15 11.9	1.956	2.866	9.8	20.6
10 28	23 29.75	+13 59.5	2.032	2.873	12.5	20.8

186387 2002 JP_{108} 9 20.7 35°.35 2°.5/17.4 18

8 19	0 9.12	− 2 20.5	1.916	2.806	12.0	19.2
8 29	0 5.45	− 4 16.7	1.861	2.813	8.4	19.0
9 8	0 0.22	− 6 23.2	1.831	2.821	4.7	18.8
9 18	23 54.03	− 8 31.1	1.830	2.829	2.6	18.6
9 28	23 47.69	−10 30.9	1.857	2.838	5.1	18.8
10 8	23 42.03	−12 14.2	1.913	2.847	8.7	19.1
10 18	23 37.72	−13 35.5	1.993	2.856	12.0	19.3
10 28	23 35.28	−14 32.3	2.096	2.865	14.7	19.5

105863 2000 SZ_{170} 9 20.7 281°.36 0°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.75	− 0 17.5	1.370	2.257	16.0	19.6
8 29	0 12.46	− 0 40.9	1.299	2.247	11.7	19.3
9 8	0 4.62	− 1 17.4	1.249	2.237	6.7	19.0
9 18	23 55.04	− 2 2.0	1.223	2.227	1.4	18.7
9 28	23 44.98	− 2 47.1	1.223	2.217	4.3	18.9
10 8	23 35.84	− 3 24.8	1.248	2.208	9.7	19.1
10 18	23 28.80	− 3 48.9	1.297	2.198	14.5	19.4
10 28	23 24.65	− 3 55.7	1.365	2.188	18.5	19.6

186332 2002 EL_{21} 9 20.7 52°.05 5°.8/14.8 18

8 19	0 15.07	−16 31.3	2.001	2.894	11.4	19.4
8 29	0 9.65	−17 26.7	1.957	2.902	8.6	19.3
9 8	0 2.57	−18 17.5	1.936	2.909	6.3	19.1
9 18	23 54.54	−18 57.4	1.942	2.917	5.9	19.1
9 28	23 46.43	−19 20.8	1.975	2.925	7.6	19.3
10 8	23 39.15	−19 24.8	2.034	2.933	10.2	19.4
10 18	23 33.40	−19 8.8	2.116	2.942	12.8	19.6
10 28	23 29.68	−18 34.2	2.218	2.950	15.1	19.8

93433 2000 SN_{319} 9 20.7 279°.34 0°.7/21.2 18

8 19	0 19.63	+ 1 11.2	1.731	2.598	14.1	18.1
8 29	0 13.48	+ 1 20.3	1.646	2.582	10.5	17.8
9 8	0 5.09	+ 1 19.3	1.584	2.567	6.3	17.5
9 18	23 55.15	+ 1 10.8	1.548	2.551	1.7	17.2
9 28	23 44.70	+ 0 58.5	1.540	2.535	3.4	17.3
10 8	23 34.94	+ 0 47.4	1.559	2.519	8.0	17.5
10 18	23 26.90	+ 0 41.9	1.604	2.503	12.3	17.8
10 28	23 21.36	+ 0 45.8	1.671	2.487	16.0	18.0

452302 1995 YR_{1} 9 20.7 32°.49 7°.6/19.2 15

8 19	4 24.56	+10 13.6	0.257	1.002	85.0	20.4
8 29	2 35.21	+ 0 35.4	0.260	1.156	50.3	19.7
9 8	1 3.44	− 7 28.5	0.322	1.298	22.1	19.6
9 18	0 3.77	−11 41.5	0.431	1.430	7.8	19.9
9 28	23 29.15	−13 23.2	0.572	1.553	12.5	20.9
10 8	23 10.28	−13 48.7	0.737	1.668	18.8	21.8
10 18	23 1.10	−13 35.3	0.918	1.775	22.9	22.6
10 28	22 58.19	−12 59.7	1.113	1.876	25.4	23.2

10785 Dejaiffe 9 20.7 314°.85 1°.6/19.2 18

8 19	0 12.43	− 2 20.8	1.767	2.654	12.9	17.8
8 29	0 8.09	− 3 7.8	1.694	2.644	9.3	17.6
9 8	0 1.88	− 4 4.6	1.645	2.634	5.3	17.3
9 18	23 54.44	− 5 5.7	1.621	2.624	1.7	17.1
9 28	23 46.69	− 6 3.8	1.624	2.614	4.3	17.2
10 8	23 39.61	− 6 52.3	1.654	2.605	8.5	17.5
10 18	23 34.06	− 7 26.2	1.709	2.596	12.4	17.7
10 28	23 30.67	− 7 42.4	1.784	2.587	15.7	17.9

356441 2010 XX_{7} 9 20.7 272°.75 0°.7/19.2 16

8 19	0 5.46	− 2 50.0	4.430	5.299	6.1	21.4
8 29	0 2.10	− 3 24.3	4.352	5.293	4.4	21.3
9 8	23 58.05	− 4 2.1	4.300	5.287	2.4	21.2
9 18	23 53.58	− 4 41.1	4.278	5.281	0.7	21.0
9 28	23 49.01	− 5 19.1	4.286	5.275	2.0	21.1
10 8	23 44.68	− 5 53.5	4.324	5.269	3.9	21.2
10 18	23 40.91	− 6 22.5	4.391	5.263	5.7	21.4
10 28	23 37.97	− 6 44.4	4.482	5.257	7.4	21.5

88877 2001 SJ_{265} 9 20.7 140°.12 0°.2/20.9 18

8 19	0 17.25	+ 2 8.6	1.864	2.729	13.4	19.6
8 29	0 11.35	+ 1 37.7	1.802	2.738	9.8	19.4
9 8	0 3.63	+ 0 55.0	1.763	2.747	5.7	19.2
9 18	23 54.80	+ 0 4.7	1.752	2.755	1.3	18.9
9 28	23 45.81	− 0 47.4	1.768	2.763	3.1	19.1
10 8	23 37.63	− 1 34.9	1.813	2.770	7.3	19.3
10 18	23 31.06	− 2 13.0	1.884	2.777	11.1	19.6
10 28	23 26.67	− 2 37.9	1.977	2.784	14.2	19.8

520331 2014 GV_{60} 9 20.7 106°.04 2°.0/22.8 18

8 19	0 14.36	+ 7 10.2	1.975	2.824	13.4	21.5
8 29	0 9.23	+ 6 51.2	1.909	2.832	10.1	21.3
9 8	0 2.41	+ 6 17.1	1.865	2.839	6.4	21.1
9 18	23 54.55	+ 5 31.0	1.848	2.846	2.8	20.9
9 28	23 46.50	+ 4 37.6	1.858	2.853	2.9	20.9
10 8	23 39.16	+ 3 43.0	1.897	2.860	6.5	21.2
10 18	23 33.28	+ 2 53.1	1.962	2.867	10.1	21.4
10 28	23 29.41	+ 2 12.8	2.050	2.874	13.1	21.6

64196 2001 TY_{74} 9 20.7 300°.45 0°.3/20.4 18

8 19	0 12.64	+ 0 49.4	1.929	2.804	12.6	19.6
8 29	0 8.09	+ 0 10.5	1.856	2.798	9.1	19.4
9 8	0 1.82	− 0 39.6	1.806	2.793	5.2	19.1
9 18	23 54.43	− 1 36.6	1.783	2.787	1.1	18.8
9 28	23 46.78	− 2 34.3	1.787	2.781	3.3	19.0
10 8	23 39.77	− 3 26.4	1.819	2.775	7.4	19.3
10 18	23 34.17	− 4 7.8	1.877	2.770	11.1	19.5
10 28	23 30.58	− 4 34.8	1.956	2.765	14.3	19.7

273360 2006 UG_{184} 9 20.7 9°.03 3°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.16	+ 3 12.8	0.836	1.747	21.1	18.5
8 29	0 10.60	+ 4 6.3	0.793	1.748	15.9	18.2
9 8	0 3.80	+ 4 41.0	0.766	1.753	10.0	17.9
9 18	23 54.90	+ 4 57.9	0.758	1.759	4.3	17.6
9 28	23 45.69	+ 5 1.5	0.771	1.768	4.9	17.7
10 8	23 38.01	+ 4 59.4	0.805	1.779	10.6	18.1
10 18	23 33.22	+ 4 59.1	0.858	1.792	16.0	18.4
10 28	23 32.07	+ 5 7.2	0.928	1.808	20.6	18.7

6893 Sanderson 9 20.7 307°.36 3°.3/23.2 18

8 19	0 16.76	+ 7 43.6	1.435	2.296	16.8	17.2
8 29	0 11.72	+ 7 54.9	1.359	2.287	13.0	16.9
9 8	0 4.21	+ 7 47.4	1.304	2.278	8.6	16.7
9 18	23 55.00	+ 7 22.2	1.272	2.269	4.3	16.4
9 28	23 45.28	+ 6 43.8	1.266	2.260	4.2	16.4
10 8	23 36.38	+ 5 59.4	1.285	2.252	8.5	16.6
10 18	23 29.47	+ 5 16.8	1.328	2.244	13.1	16.8
10 28	23 25.37	+ 4 43.3	1.392	2.236	17.1	17.1

52431 1994 PS_{10} 9 20.7 8°.89 1°.3/21.5 18

8 19	0 13.17	+ 2 50.3	1.030	1.931	18.8	18.0
8 29	0 9.47	+ 2 49.7	0.979	1.932	14.0	17.7
9 8	0 2.99	+ 2 30.4	0.947	1.935	8.4	17.4
9 18	23 54.72	+ 1 57.1	0.936	1.939	2.5	17.1
9 28	23 46.14	+ 1 17.5	0.948	1.945	4.2	17.2
10 8	23 38.82	+ 0 40.9	0.982	1.952	9.9	17.6
10 18	23 33.95	+ 0 15.0	1.037	1.961	15.1	17.9
10 28	23 32.24	+ 0 5.2	1.111	1.971	19.4	18.2

356247 2009 UP_{7} 9 20.7 304°.80 1°.8/17.3 16

8 19	0 7.00	− 8 54.7	4.141	5.020	6.3	21.7
8 29	0 3.24	− 9 25.2	4.071	5.017	4.5	21.5
9 8	23 58.72	− 9 56.6	4.029	5.014	2.7	21.4
9 18	23 53.74	−10 26.5	4.016	5.011	1.8	21.3
9 28	23 48.68	−10 52.4	4.033	5.008	2.9	21.4
10 8	23 43.90	−11 12.2	4.079	5.005	4.8	21.6
10 18	23 39.74	−11 24.3	4.152	5.002	6.5	21.7
10 28	23 36.51	−11 27.6	4.249	4.998	8.1	21.8

221450 2006 AG_{100} 9 20.7 163°.78 0°.9/19.5 18

8 19	0 11.45	− 1 19.7	2.547	3.418	10.0	20.9
8 29	0 6.82	− 2 6.3	2.479	3.421	7.2	20.8
9 8	0 0.92	− 3 0.0	2.436	3.423	4.0	20.6
9 18	23 54.23	− 3 56.9	2.421	3.425	1.0	20.4
9 28	23 47.40	− 4 52.2	2.436	3.427	3.0	20.5
10 8	23 41.07	− 5 41.1	2.480	3.428	6.2	20.7
10 18	23 35.83	− 6 20.1	2.551	3.430	9.1	20.9
10 28	23 32.12	− 6 46.6	2.645	3.431	11.6	21.1

342803 2008 WH_{140} 9 20.7 322°.90 4°.2/18.1 18

8 19	0 21.70	−11 5.8	1.503	2.396	14.4	19.3
8 29	0 15.11	−11 14.5	1.436	2.386	10.6	19.0
9 8	0 6.04	−11 22.1	1.392	2.377	6.6	18.8
9 18	23 55.38	−11 22.7	1.373	2.369	4.2	18.6
9 28	23 44.38	−11 10.7	1.380	2.361	6.6	18.8
10 8	23 34.39	−10 42.7	1.414	2.353	10.7	19.0
10 18	23 26.53	− 9 58.1	1.471	2.346	14.7	19.2
10 28	23 21.50	− 8 58.0	1.548	2.339	18.2	19.4

222500 2001 SF_{313} 9 20.7 352°.44 5°.4/16.8 18

8 19	0 16.32	−10 54.8	1.259	2.168	15.5	19.7
8 29	0 11.44	−11 43.8	1.206	2.164	11.3	19.5
9 8	0 4.00	−12 34.1	1.174	2.161	7.3	19.3
9 18	23 54.94	−13 16.6	1.165	2.158	5.5	19.1
9 28	23 45.60	−13 42.5	1.180	2.156	8.1	19.3
10 8	23 37.41	−13 46.0	1.219	2.155	12.3	19.5
10 18	23 31.46	−13 25.5	1.279	2.155	16.4	19.8
10 28	23 28.45	−12 42.3	1.357	2.155	19.9	20.0

347122 2010 JU_{151} 9 20.7 134°.68 3°.6/25.4 18

8 19	0 14.03	+14 50.5	2.294	3.099	13.2	21.2
8 29	0 8.80	+14 15.8	2.224	3.113	10.4	21.1
9 8	0 2.09	+13 22.0	2.176	3.126	7.4	20.9
9 18	23 54.49	+12 11.4	2.155	3.138	4.6	20.7
9 28	23 46.76	+10 48.6	2.163	3.150	3.7	20.7
10 8	23 39.68	+ 9 20.1	2.200	3.162	5.9	20.9
10 18	23 33.91	+ 7 52.9	2.265	3.172	8.8	21.1
10 28	23 29.93	+ 6 33.3	2.356	3.182	11.6	21.3

43766 1988 CR_{4} 9 20.7 179°.24 0°.4/20.2 18

8 19	0 13.31	+ 1 47.8	2.335	3.197	11.1	19.6
8 29	0 8.28	+ 0 43.4	2.262	3.199	8.1	19.4
9 8	0 1.81	− 0 31.9	2.215	3.200	4.6	19.2
9 18	23 54.44	− 1 53.5	2.196	3.200	0.9	18.9
9 28	23 46.88	− 3 15.3	2.208	3.200	3.0	19.0
10 8	23 39.88	− 4 30.9	2.248	3.200	6.5	19.3
10 18	23 34.09	− 5 35.4	2.317	3.198	9.8	19.5
10 28	23 30.02	− 6 25.1	2.408	3.196	12.5	19.7

433987 1999 XR_{252} 9 20.7 3°.24 9°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.71	−20 54.4	1.352	2.258	14.8	19.9
8 29	0 10.85	−22 11.7	1.311	2.257	11.8	19.7
9 8	0 3.56	−23 18.4	1.292	2.257	9.8	19.6
9 18	23 54.82	−24 4.2	1.296	2.258	9.8	19.6
9 28	23 45.95	−24 20.8	1.323	2.259	11.8	19.7
10 8	23 38.26	−24 5.2	1.371	2.262	14.8	19.9
10 18	23 32.78	−23 19.2	1.440	2.265	17.8	20.1
10 28	23 30.08	−22 7.2	1.525	2.269	20.4	20.3

272143 2005 NG_{9} 9 20.7 316°.00 3°.2/18.0 18

8 19	0 12.40	− 3 56.0	1.302	2.206	15.4	20.5
8 29	0 8.67	− 5 7.6	1.233	2.191	11.1	20.2
9 8	0 2.50	− 6 32.2	1.185	2.176	6.4	19.9
9 18	23 54.64	− 8 0.9	1.161	2.162	3.2	19.7
9 28	23 46.30	− 9 22.3	1.162	2.149	6.4	19.9
10 8	23 38.83	−10 26.3	1.188	2.135	11.4	20.1
10 18	23 33.36	−11 6.1	1.235	2.123	16.0	20.4
10 28	23 30.70	−11 19.0	1.300	2.111	19.9	20.6

53556 2000 CW_{8} 9 20.7 325°.83 3°.2/23.2 18

8 19	0 13.79	+ 8 16.9	1.303	2.173	17.7	18.8
8 29	0 9.72	+ 8 10.0	1.231	2.164	13.6	18.5
9 8	0 3.12	+ 7 40.4	1.178	2.154	8.9	18.2
9 18	23 54.78	+ 6 50.3	1.148	2.146	4.3	17.9
9 28	23 45.94	+ 5 46.0	1.142	2.137	4.2	17.9
10 8	23 37.97	+ 4 37.1	1.161	2.130	8.9	18.2
10 18	23 32.08	+ 3 33.2	1.202	2.123	13.7	18.4
10 28	23 29.07	+ 2 42.8	1.264	2.116	18.0	18.7

313142 2001 DM_{2} 9 20.7 334°.34 1°.5/23.6 18

8 19	0 7.65	+ 7 54.5	4.308	5.133	7.2	20.4
8 29	0 3.70	+ 7 52.7	4.224	5.131	5.5	20.3
9 8	23 58.99	+ 7 43.9	4.165	5.129	3.6	20.2
9 18	23 53.82	+ 7 29.2	4.135	5.128	1.9	20.1
9 28	23 48.54	+ 7 10.2	4.135	5.126	1.8	20.1
10 8	23 43.52	+ 6 49.1	4.164	5.125	3.4	20.2
10 18	23 39.10	+ 6 27.9	4.223	5.123	5.3	20.3
10 28	23 35.57	+ 6 8.9	4.308	5.122	7.0	20.4

207395 2005 YW_{118} 9 20.7 25°.92 1°.1/21.5 17

8 19	0 14.35	+ 3 54.6	0.950	1.852	20.0	19.6
8 29	0 10.43	+ 3 29.9	0.906	1.859	14.8	19.4
9 8	0 3.57	+ 2 42.6	0.879	1.867	8.8	19.1
9 18	23 54.86	+ 1 39.1	0.872	1.876	2.5	18.7
9 28	23 45.93	+ 0 30.4	0.889	1.886	4.4	18.9
10 8	23 38.41	− 0 31.8	0.927	1.897	10.4	19.3
10 18	23 33.53	− 1 18.2	0.986	1.908	15.8	19.6
10 28	23 31.97	− 1 43.2	1.063	1.921	20.2	20.0

220434 2003 UX_{211} 9 20.7 330°.68 0°.4/21.2 17

8 19	0 11.42	+ 2 23.9	2.011	2.881	12.3	20.5
8 29	0 7.20	+ 1 59.5	1.933	2.872	9.1	20.2
9 8	0 1.32	+ 1 23.5	1.879	2.863	5.4	20.0
9 18	23 54.37	+ 0 39.5	1.850	2.854	1.4	19.7
9 28	23 47.14	− 0 7.5	1.850	2.846	2.9	19.8
10 8	23 40.48	− 0 51.9	1.877	2.838	6.8	20.0
10 18	23 35.15	− 1 28.7	1.930	2.830	10.5	20.3
10 28	23 31.74	− 1 53.8	2.005	2.823	13.6	20.4

476884 2008 VR_{50} 9 20.7 346°.91 2°.1/19.3 16

8 19	0 13.44	− 3 34.1	1.229	2.135	16.1	20.5
8 29	0 9.46	− 4 1.1	1.167	2.125	11.6	20.2
9 8	0 2.95	− 4 38.2	1.126	2.117	6.6	19.9
9 18	23 54.76	− 5 18.8	1.107	2.110	2.2	19.6
9 28	23 46.16	− 5 54.7	1.113	2.104	5.4	19.8
10 8	23 38.57	− 6 18.1	1.142	2.100	10.5	20.1
10 18	23 33.13	− 6 24.2	1.193	2.096	15.3	20.3
10 28	23 30.58	− 6 10.7	1.262	2.094	19.2	20.6

249927 2001 SS_{353} 9 20.7 279°.96 2°.9/23.4 18

8 19	0 16.90	+ 8 8.6	2.127	2.964	13.0	20.1
8 29	0 11.26	+ 8 24.4	2.030	2.944	10.1	19.8
9 8	0 3.76	+ 8 27.0	1.956	2.923	6.8	19.6
9 18	23 54.94	+ 8 17.1	1.909	2.902	3.7	19.4
9 28	23 45.64	+ 7 57.0	1.889	2.881	3.5	19.3
10 8	23 36.80	+ 7 31.0	1.898	2.860	6.7	19.5
10 18	23 29.30	+ 7 3.8	1.934	2.839	10.2	19.7
10 28	23 23.84	+ 6 40.6	1.994	2.817	13.5	19.8

165207 2000 RR_{95} 9 20.7 41°.50 4°.0/18.2 18

8 19	0 17.51	− 6 0.5	0.956	1.872	18.6	18.7
8 29	0 12.41	− 6 55.6	0.929	1.891	13.2	18.5
9 8	0 4.50	− 7 57.3	0.920	1.912	7.6	18.3
9 18	23 55.04	− 8 55.0	0.934	1.934	4.0	18.1
9 28	23 45.71	− 9 37.8	0.970	1.957	7.2	18.4
10 8	23 38.05	− 9 58.9	1.029	1.980	12.2	18.8
10 18	23 33.08	− 9 56.0	1.107	2.004	16.7	19.1
10 28	23 31.32	− 9 30.0	1.204	2.029	20.4	19.5

491937 2013 CJ_{112} 9 20.7 315.°93 1.°1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 7.13	− 5 35.6	4.128	5.002	6.4	21.0
8 29	0 3.36	− 5 59.2	4.053	4.997	4.6	20.8
9 8	23 58.82	− 6 25.1	4.005	4.992	2.6	20.7
9 18	23 53.82	− 6 51.0	3.986	4.986	1.1	20.6
9 28	23 48.72	− 7 14.6	3.996	4.981	2.4	20.7
10 8	23 43.90	− 7 33.7	4.037	4.976	4.4	20.8
10 18	23 39.70	− 7 46.6	4.105	4.971	6.2	20.9
10 28	23 36.41	− 7 52.0	4.198	4.966	7.9	21.1

479092 2013 AF_{118} 9 20.7 295.°45 1.°3/19.6 18

8 19	0 15.58	− 2 41.8	1.751	2.634	13.2	21.1
8 29	0 10.49	− 3 7.5	1.671	2.619	9.6	20.8
9 8	0 3.37	− 3 41.9	1.615	2.603	5.5	20.6
9 18	23 54.86	− 4 20.1	1.584	2.588	1.5	20.3
9 28	23 45.95	− 4 56.2	1.581	2.572	4.1	20.4
10 8	23 37.70	− 5 24.3	1.604	2.557	8.5	20.7
10 18	23 31.07	− 5 39.9	1.652	2.542	12.6	20.9
10 28	23 26.74	− 5 40.2	1.721	2.527	16.0	21.1

152608 1996 AO_{7} 9 20.7 281.°50 0.°4/20.3 18

8 19	0 13.46	− 0 3.5	2.176	3.046	11.5	20.8
8 29	0 8.64	− 0 31.7	2.088	3.028	8.4	20.6
9 8	0 2.17	− 1 9.2	2.025	3.010	4.8	20.3
9 18	23 54.59	− 1 52.5	1.988	2.992	1.0	20.0
9 28	23 46.68	− 2 36.6	1.981	2.974	3.1	20.2
10 8	23 39.26	− 3 16.2	2.001	2.956	6.9	20.4
10 18	23 33.09	− 3 47.1	2.048	2.938	10.5	20.6
10 28	23 28.78	− 4 5.7	2.118	2.919	13.6	20.7

240802 2005 YT_{70} 9 20.7 200.°93 0.°9/20.1 17

8 19	0 18.81	− 0 16.4	1.278	2.166	16.7	20.2
8 29	0 13.28	− 0 50.0	1.217	2.166	12.2	19.9
9 8	0 5.13	− 1 37.7	1.177	2.165	7.0	19.6
9 18	23 55.27	− 2 33.2	1.160	2.164	1.5	19.3
9 28	23 45.04	− 3 27.9	1.170	2.164	4.6	19.5
10 8	23 35.92	− 4 12.9	1.204	2.163	10.0	19.8
10 18	23 29.07	− 4 42.1	1.261	2.161	14.8	20.1
10 28	23 25.23	− 4 51.9	1.338	2.160	18.9	20.4

512509 2016 RT_{23} 9 20.7 35.°67 5.°8/15.9 18

8 19	0 13.15	− 9 44.6	1.205	2.119	15.6	19.5
8 29	0 8.98	−11 18.7	1.173	2.134	11.2	19.3
9 8	0 2.48	−12 54.4	1.163	2.151	7.2	19.1
9 18	23 54.64	−14 20.2	1.176	2.167	5.9	19.1
9 28	23 46.78	−15 25.4	1.214	2.185	8.6	19.3
10 8	23 40.17	−16 3.3	1.274	2.204	12.6	19.6
10 18	23 35.71	−16 12.5	1.355	2.223	16.2	19.9
10 28	23 33.94	−15 54.7	1.455	2.242	19.3	20.1

168404 1998 FP_{92} 9 20.7 121.°48 2.°6/18.7 18

8 19	0 20.12	− 5 21.3	1.538	2.425	14.5	20.0
8 29	0 13.72	− 6 2.3	1.486	2.435	10.4	19.8
9 8	0 5.13	− 6 49.5	1.457	2.445	5.9	19.5
9 18	23 55.23	− 7 36.1	1.454	2.455	2.7	19.3
9 28	23 45.21	− 8 14.8	1.479	2.465	5.3	19.5
10 8	23 36.27	− 8 39.9	1.529	2.474	9.6	19.8
10 18	23 29.34	− 8 48.2	1.604	2.483	13.5	20.1
10 28	23 25.02	− 8 38.7	1.699	2.491	16.8	20.3

135782 2002 RA_{78} 9 20.7 102.°90 0.°6/21.3 18

8 19	0 18.92	+ 1 44.3	1.950	2.811	13.0	20.0
8 29	0 12.48	+ 1 40.8	1.891	2.824	9.6	19.8
9 8	0 4.29	+ 1 27.4	1.856	2.838	5.6	19.6
9 18	23 55.05	+ 1 7.2	1.848	2.851	1.5	19.3
9 28	23 45.68	+ 0 44.2	1.869	2.865	2.9	19.4
10 8	23 37.16	+ 0 23.3	1.919	2.877	6.9	19.7
10 18	23 30.23	+ 0 8.2	1.994	2.890	10.4	20.0
10 28	23 25.45	+ 0 2.2	2.093	2.902	13.4	20.2

494635 2017 CO_{30} 9 20.7 262.°40 4.°3/25.4 17

8 19	0 15.69	+14 3.8	2.608	3.407	12.0	22.2
8 29	0 10.11	+14 28.3	2.510	3.392	9.7	22.0
9 8	0 2.98	+14 38.8	2.436	3.378	7.2	21.8
9 18	23 54.79	+14 35.0	2.388	3.362	4.9	21.6
9 28	23 46.24	+14 18.2	2.368	3.347	4.3	21.6
10 8	23 38.08	+13 51.6	2.377	3.332	6.0	21.7
10 18	23 31.02	+13 19.4	2.414	3.316	8.6	21.8
10 28	23 25.64	+12 46.6	2.476	3.300	11.2	22.0

475996 2007 RJ_{21} 9 20.7 2.°15 2.°3/22.3 16

8 19	0 13.54	+ 4 27.2	1.195	2.083	17.7	20.1
8 29	0 9.57	+ 4 44.1	1.136	2.081	13.4	19.8
9 8	0 3.04	+ 4 43.5	1.097	2.080	8.4	19.6
9 18	23 54.82	+ 4 27.8	1.080	2.080	3.4	19.3
9 28	23 46.25	+ 4 2.6	1.086	2.083	4.0	19.3
10 8	23 38.73	+ 3 35.1	1.116	2.086	9.0	19.6
10 18	23 33.40	+ 3 12.7	1.168	2.091	13.8	19.9
10 28	23 31.02	+ 3 1.2	1.240	2.097	17.9	20.2

223907 2004 VO_{60} 9 20.7 192.°70 4.°0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.82	−12 49.8	2.470	3.356	9.7	20.3
8 29	0 8.60	−13 37.9	2.410	3.355	7.1	20.2
9 8	0 2.00	−14 25.1	2.375	3.355	4.8	20.0
9 18	23 54.56	−15 6.5	2.368	3.353	4.0	20.0
9 28	23 46.97	−15 37.3	2.390	3.352	5.7	20.1
10 8	23 39.97	−15 54.2	2.439	3.351	8.2	20.2
10 18	23 34.17	−15 55.6	2.514	3.349	10.7	20.4
10 28	23 30.03	−15 41.4	2.610	3.348	12.9	20.6

186753 2004 CK_{72} 9 20.8 113.°95 2.°5/18.5 17

8 19	0 18.08	− 4 32.8	1.635	2.521	13.8	20.6
8 29	0 12.12	− 5 27.8	1.585	2.535	9.9	20.4
9 8	0 4.16	− 6 29.6	1.560	2.548	5.6	20.1
9 18	23 55.03	− 7 31.4	1.560	2.561	2.5	20.0
9 28	23 45.81	− 8 25.4	1.588	2.574	5.1	20.2
10 8	23 37.59	− 9 5.6	1.643	2.586	9.2	20.5
10 18	23 31.20	− 9 28.4	1.721	2.597	12.9	20.7
10 28	23 27.22	− 9 32.5	1.821	2.609	16.0	21.0

180777 2004 QU_{25} 9 20.8 11.°43 5.°4/17.8 18

8 19	0 22.08	−14 52.2	1.406	2.303	15.0	18.3
8 29	0 15.26	−14 42.8	1.358	2.308	11.1	18.1
9 8	0 6.04	−14 27.1	1.332	2.315	7.3	17.9
9 18	23 55.44	−13 59.8	1.331	2.322	5.4	17.8
9 28	23 44.82	−13 16.9	1.356	2.332	7.4	17.9
10 8	23 35.51	−12 17.5	1.406	2.342	11.1	18.2
10 18	23 28.49	−11 3.4	1.480	2.354	14.8	18.4
10 28	23 24.34	− 9 37.1	1.574	2.366	17.9	18.7

33215 Garyjones 9 20.8 116.°24 2.°1/18.8 18

8 19	0 18.90	− 5 18.6	1.923	2.801	12.4	18.4
8 29	0 12.44	− 5 52.3	1.871	2.817	8.9	18.2
9 8	0 4.25	− 6 30.6	1.845	2.832	5.1	18.0
9 18	23 55.05	− 7 8.4	1.845	2.846	2.2	17.9
9 28	23 45.78	− 7 40.3	1.874	2.860	4.4	18.0
10 8	23 37.40	− 8 1.6	1.931	2.874	8.1	18.3
10 18	23 30.66	− 8 9.9	2.014	2.887	11.4	18.5
10 28	23 26.07	− 8 3.8	2.119	2.900	14.2	18.7

514768 2007 ET_{137} 9 20.8 194.°39 1.°9/18.7 18

8 19	0 17.84	− 7 10.5	2.597	3.468	9.8	21.9
8 29	0 11.43	− 7 24.2	2.525	3.466	7.1	21.7
9 8	0 3.61	− 7 39.8	2.479	3.464	4.1	21.5
9 18	23 54.92	− 7 54.1	2.462	3.462	2.0	21.4
9 28	23 46.07	− 8 3.6	2.475	3.459	3.7	21.5
10 8	23 37.78	− 8 5.4	2.518	3.456	6.7	21.7
10 18	23 30.71	− 7 57.7	2.588	3.453	9.5	21.9
10 28	23 25.32	− 7 39.5	2.682	3.449	11.9	22.1

42125 2001 BE_{13} 9 20.8 136.°63 3.°0/17.2 18

8 19	0 13.85	− 5 46.4	1.992	2.878	11.7	18.5
8 29	0 8.85	− 7 12.4	1.938	2.888	8.3	18.3
9 8	0 2.22	− 8 44.2	1.909	2.896	4.9	18.1
9 18	23 54.62	−10 14.5	1.908	2.905	3.1	18.0
9 28	23 46.87	−11 35.7	1.935	2.912	5.3	18.2
10 8	23 39.85	−12 41.5	1.990	2.920	8.7	18.4
10 18	23 34.26	−13 28.0	2.071	2.927	11.9	18.6
10 28	23 30.63	−13 53.9	2.173	2.934	14.5	18.8

389334 2009 SP_{295} 9 20.8 298.°96 0.°7/19.3 15

8 19	0 5.81	− 2 37.3	4.161	5.030	6.5	21.3
8 29	0 2.43	− 3 14.0	4.083	5.025	4.6	21.2
9 8	23 58.32	− 3 54.4	4.032	5.019	2.6	21.0
9 18	23 53.76	− 4 36.3	4.011	5.014	0.8	20.8
9 28	23 49.09	− 5 17.1	4.019	5.008	2.1	21.0
10 8	23 44.68	− 5 54.1	4.058	5.003	4.1	21.1
10 18	23 40.86	− 6 25.3	4.124	4.997	6.1	21.2
10 28	23 37.93	− 6 48.8	4.216	4.992	7.8	21.4

83392 2001 SU_{23} 9 20.8 341.°45 0.°4/20.4 18

8 19	0 12.52	+ 0 57.2	1.754	2.633	13.4	19.5
8 29	0 8.17	+ 0 17.9	1.685	2.629	9.7	19.3
9 8	0 1.97	− 0 33.7	1.639	2.626	5.6	19.0
9 18	23 54.58	− 1 32.7	1.619	2.623	1.2	18.7
9 28	23 46.93	− 2 32.4	1.626	2.620	3.5	18.9
10 8	23 39.99	− 3 25.8	1.660	2.617	7.8	19.1
10 18	23 34.58	− 4 7.5	1.718	2.615	11.7	19.4
10 28	23 31.34	− 4 33.5	1.799	2.613	15.1	19.6

139224 2001 HN_{5} 9 20.8 151.°34 3.°0/18.1 18

8 19	0 19.57	− 6 54.2	1.828	2.711	12.8	19.9
8 29	0 13.08	− 7 41.9	1.772	2.719	9.2	19.7
9 8	0 4.69	− 8 33.7	1.741	2.727	5.4	19.5
9 18	23 55.16	− 9 23.4	1.736	2.735	3.0	19.4
9 28	23 45.49	−10 4.5	1.760	2.741	5.3	19.6
10 8	23 36.72	−10 31.9	1.811	2.747	9.0	19.8
10 18	23 29.67	−10 42.9	1.887	2.753	12.4	20.0
10 28	23 24.91	−10 36.6	1.985	2.757	15.4	20.2

451164 2009 SE_{154} 9 20.8 316°.02 0°.3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.82	+ 2 50.9	2.034	2.904	12.2	21.1
8 29	0 6.79	+ 2 12.1	1.954	2.893	9.0	20.9
9 8	0 1.13	+ 1 20.7	1.897	2.881	5.3	20.6
9 18	23 54.41	+ 0 20.5	1.867	2.871	1.3	20.3
9 28	23 47.39	− 0 42.8	1.865	2.860	2.9	20.4
10 8	23 40.93	− 1 42.7	1.890	2.850	6.9	20.7
10 18	23 35.76	− 2 33.8	1.941	2.840	10.5	20.9
10 28	23 32.46	− 3 11.7	2.015	2.830	13.7	21.1

330580 2008 CU_{95} 9 20.8 86°.04 1°.6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.22	− 1 36.5	1.440	2.330	15.2	21.2
8 29	0 11.12	− 2 26.4	1.382	2.332	10.9	20.9
9 8	0 3.77	− 3 28.0	1.345	2.334	6.2	20.7
9 18	23 54.99	− 4 34.4	1.333	2.337	1.8	20.4
9 28	23 45.95	− 5 37.1	1.348	2.339	4.8	20.6
10 8	23 37.90	− 6 28.0	1.388	2.341	9.5	20.9
10 18	23 31.80	− 7 1.5	1.452	2.344	13.8	21.2
10 28	23 28.33	− 7 15.0	1.536	2.346	17.4	21.4

35687 1999 CP_{8} 9 20.8 127°.30 1°.6/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.89	+ 5 32.0	1.400	2.269	16.7	19.5
8 29	0 12.42	+ 5 8.1	1.339	2.274	12.5	19.3
9 8	0 4.56	+ 4 25.3	1.299	2.279	7.7	19.0
9 18	23 55.17	+ 3 27.7	1.282	2.284	2.7	18.7
9 28	23 45.51	+ 2 22.9	1.292	2.288	3.6	18.8
10 8	23 36.86	+ 1 19.8	1.328	2.293	8.6	19.1
10 18	23 30.29	+ 0 26.2	1.388	2.297	13.1	19.4
10 28	23 26.49	− 0 12.0	1.469	2.300	17.0	19.6

220553 2004 GM_{39} 9 20.8 143°.98 0°.1/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.02	+ 1 18.2	1.834	2.701	13.5	20.8
8 29	0 11.99	+ 0 45.8	1.772	2.710	9.8	20.5
9 8	0 4.09	+ 0 2.0	1.734	2.718	5.7	20.3
9 18	23 55.05	− 0 48.6	1.723	2.726	1.2	20.0
9 28	23 45.84	− 1 39.9	1.740	2.734	3.3	20.2
10 8	23 37.46	− 2 25.9	1.785	2.741	7.5	20.5
10 18	23 30.74	− 3 1.5	1.856	2.747	11.3	20.7
10 28	23 26.24	− 3 23.4	1.949	2.753	14.5	21.0

365938 2012 AF_{2} 9 20.8 130°.90 2°.3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.39	+ 7 48.4	1.554	2.408	16.1	21.3
8 29	0 12.55	+ 7 21.8	1.493	2.418	12.2	21.1
9 8	0 4.53	+ 6 35.6	1.454	2.429	7.7	20.9
9 18	23 55.16	+ 5 33.5	1.440	2.439	3.3	20.7
9 28	23 45.58	+ 4 22.5	1.453	2.448	3.5	20.7
10 8	23 36.99	+ 3 11.1	1.493	2.457	7.8	21.0
10 18	23 30.33	+ 2 7.3	1.558	2.466	12.1	21.2
10 28	23 26.23	+ 1 17.2	1.645	2.473	15.6	21.5

108220 2001 HX_{32} 9 20.8 72°.22 0°.9/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.67	+ 4 15.6	1.384	2.258	16.6	20.1
8 29	0 12.03	+ 3 39.5	1.340	2.280	12.2	19.9
9 8	0 4.18	+ 2 46.5	1.318	2.301	7.2	19.6
9 18	23 55.06	+ 1 42.2	1.320	2.323	2.1	19.4
9 28	23 45.92	+ 0 35.0	1.348	2.344	3.5	19.5
10 8	23 37.96	− 0 26.6	1.403	2.366	8.4	19.9
10 18	23 32.09	− 1 15.8	1.481	2.387	12.7	20.2
10 28	23 28.86	− 1 48.2	1.581	2.408	16.2	20.5

133391 2003 SD_{162} 9 20.8 332°.14 0°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.29	− 0 50.5	1.420	2.312	15.2	19.5
8 29	0 9.92	− 1 8.3	1.348	2.299	11.1	19.2
9 8	0 3.21	− 1 37.9	1.298	2.287	6.4	19.0
9 18	23 54.91	− 2 14.3	1.271	2.275	1.4	18.6
9 28	23 46.17	− 2 50.9	1.270	2.265	4.2	18.8
10 8	23 38.25	− 3 20.6	1.294	2.255	9.2	19.0
10 18	23 32.25	− 3 37.8	1.341	2.246	13.8	19.3
10 28	23 28.91	− 3 38.8	1.409	2.238	17.7	19.5

327207 2005 NF_{70} 9 20.8 53°.64 2°.0/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.59	− 2 16.9	1.246	2.143	16.5	20.8
8 29	0 11.42	− 3 9.7	1.206	2.161	11.7	20.6
9 8	0 3.89	− 4 13.3	1.189	2.179	6.6	20.4
9 18	23 55.01	− 5 19.4	1.195	2.198	2.1	20.1
9 28	23 46.10	− 6 18.6	1.226	2.217	5.2	20.4
10 8	23 38.47	− 7 2.9	1.282	2.236	10.1	20.7
10 18	23 33.04	− 7 27.9	1.360	2.255	14.4	21.0
10 28	23 30.38	− 7 31.9	1.458	2.275	17.9	21.3

349363 2007 VW_{206} 9 20.8 293°.13 7°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.98	−17 41.5	1.776	2.672	12.4	20.2
8 29	0 10.75	−18 51.7	1.716	2.661	9.6	20.0
9 8	0 3.51	−19 57.6	1.680	2.649	7.4	19.9
9 18	23 54.96	−20 50.7	1.668	2.638	7.2	19.8
9 28	23 46.13	−21 23.6	1.683	2.627	9.2	19.9
10 8	23 38.11	−21 32.2	1.722	2.616	12.1	20.1
10 18	23 31.79	−21 15.6	1.784	2.605	15.0	20.3
10 28	23 27.82	−20 35.5	1.863	2.594	17.6	20.4

207430 2006 DT_{114} 9 20.8 124°.20 2°.3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.12	− 2 43.4	1.434	2.323	15.2	20.7
8 29	0 12.43	− 3 48.6	1.382	2.333	10.9	20.4
9 8	0 4.48	− 5 4.3	1.353	2.342	6.1	20.2
9 18	23 55.16	− 6 22.4	1.349	2.352	2.3	20.0
9 28	23 45.68	− 7 33.5	1.373	2.361	5.3	20.2
10 8	23 37.28	− 8 29.5	1.422	2.369	9.9	20.5
10 18	23 30.93	− 9 5.4	1.494	2.377	14.1	20.8
10 28	23 27.23	− 9 19.3	1.587	2.385	17.5	21.0

296474 2009 HN_{97} 9 20.8 101°.93 2°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.37	+10 40.7	2.157	2.988	13.1	21.2
8 29	0 8.42	+10 13.7	2.093	3.002	10.1	21.0
9 8	0 1.97	+ 9 30.0	2.051	3.016	6.7	20.9
9 18	23 54.60	+ 8 32.4	2.036	3.029	3.6	20.7
9 28	23 47.10	+ 7 25.7	2.050	3.042	3.1	20.7
10 8	23 40.27	+ 6 16.0	2.092	3.055	6.0	20.9
10 18	23 34.78	+ 5 9.5	2.161	3.068	9.2	21.1
10 28	23 31.12	+ 4 11.6	2.254	3.081	12.0	21.3

380834 2006 AO_{22} 9 20.8 181°.99 7°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.09	−19 44.7	1.943	2.829	12.0	20.2
8 29	0 12.76	−20 50.7	1.893	2.830	9.4	20.1
9 8	0 4.53	−21 49.8	1.868	2.830	7.4	20.0
9 18	23 55.17	−22 34.4	1.868	2.830	7.3	19.9
9 28	23 45.66	−22 58.3	1.896	2.829	9.0	20.1
10 8	23 37.05	−22 58.6	1.948	2.828	11.6	20.2
10 18	23 30.13	−22 35.5	2.023	2.827	14.1	20.4
10 28	23 25.49	−21 51.3	2.118	2.826	16.4	20.6

190352 1998 XC_{23} 9 20.8 183°.37 1°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.95	+ 7 41.6	4.575	5.402	6.7	20.3
8 29	0 2.49	+ 7 24.0	4.492	5.402	5.1	20.2
9 8	23 58.35	+ 6 59.5	4.435	5.402	3.3	20.0
9 18	23 53.80	+ 6 29.5	4.406	5.402	1.6	19.9
9 28	23 49.16	+ 5 55.9	4.408	5.401	1.5	19.9
10 8	23 44.76	+ 5 20.9	4.440	5.401	3.2	20.0
10 18	23 40.90	+ 4 46.8	4.500	5.401	5.0	20.1
10 28	23 37.86	+ 4 15.8	4.588	5.401	6.6	20.3

481293 2005 YT_{132} 9 20.8 200°.63 6°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.25	−24 50.8	2.840	3.713	9.0	21.7
8 29	0 8.87	−26 2.7	2.791	3.709	7.5	21.6
9 8	0 2.17	−27 6.7	2.768	3.705	6.6	21.6
9 18	23 54.66	−27 57.5	2.772	3.700	6.9	21.6
9 28	23 47.02	−28 30.6	2.803	3.695	8.1	21.6
10 8	23 39.92	−28 43.7	2.860	3.690	9.8	21.8
10 18	23 33.95	−28 36.8	2.939	3.684	11.5	21.9
10 28	23 29.58	−28 11.1	3.037	3.678	13.0	22.0

36864 2000 SO_{144} 9 20.8 56°.77 1°.1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.56	+ 3 47.0	1.150	2.035	18.5	18.8
8 29	0 13.05	+ 3 27.9	1.107	2.052	13.6	18.6
9 8	0 4.94	+ 2 50.2	1.085	2.069	8.1	18.3
9 18	23 55.29	+ 1 59.3	1.085	2.088	2.4	18.0
9 28	23 45.57	+ 1 3.9	1.109	2.106	3.9	18.2
10 8	23 37.23	+ 0 13.4	1.158	2.124	9.3	18.6
10 18	23 31.33	− 0 25.0	1.230	2.143	14.1	18.9
10 28	23 28.46	− 0 46.6	1.322	2.162	18.0	19.2

316708 1997 EU_{26} 9 20.8 237°.07 0°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.87	+ 0 15.9	1.827	2.701	13.2	21.4
8 29	0 10.57	− 0 10.6	1.756	2.697	9.6	21.2
9 8	0 3.38	− 0 47.7	1.708	2.694	5.5	21.0
9 18	23 54.97	− 1 31.2	1.687	2.691	1.2	20.7
9 28	23 46.27	− 2 15.3	1.693	2.687	3.4	20.8
10 8	23 38.30	− 2 54.0	1.727	2.684	7.7	21.1
10 18	23 31.90	− 3 22.6	1.786	2.680	11.5	21.3
10 28	23 27.69	− 3 37.6	1.867	2.676	14.8	21.5

221908 Agastrophus 9 20.8 312°.90 1°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.86	+10 20.8	4.086	4.902	7.7	19.8
8 29	0 3.24	+10 10.1	3.999	4.898	6.0	19.6
9 8	23 58.84	+ 9 50.8	3.936	4.894	4.1	19.5
9 18	23 53.94	+ 9 24.1	3.901	4.890	2.4	19.4
9 28	23 48.92	+ 8 51.8	3.896	4.886	2.1	19.3
10 8	23 44.17	+ 8 16.5	3.920	4.882	3.6	19.5
10 18	23 40.04	+ 7 40.7	3.974	4.878	5.4	19.6
10 28	23 36.83	+ 7 7.3	4.054	4.874	7.2	19.7

325527 2009 SE_{10} 9 20.8 230°.13 1°.4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.05	+ 6 52.4	2.316	3.164	11.7	21.2
8 29	0 6.76	+ 6 12.7	2.238	3.162	8.8	21.0
9 8	0 1.05	+ 5 19.1	2.185	3.160	5.5	20.8
9 18	23 54.44	+ 4 14.7	2.158	3.158	2.2	20.6
9 28	23 47.63	+ 3 4.6	2.161	3.156	2.5	20.6
10 8	23 41.34	+ 1 54.7	2.192	3.154	5.8	20.9
10 18	23 36.21	+ 0 50.5	2.250	3.152	9.1	21.1
10 28	23 32.75	− 0 3.2	2.333	3.150	12.0	21.3

83594 2001 SS_{253} 9 20.8 78°.89 1°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.79	− 2 57.2	1.934	2.817	12.2	19.5
8 29	0 8.87	− 3 44.9	1.877	2.824	8.7	19.3
9 8	0 2.29	− 4 40.2	1.843	2.832	4.9	19.1
9 18	23 54.71	− 5 37.5	1.837	2.839	1.7	18.9
9 28	23 46.99	− 6 30.6	1.858	2.847	4.1	19.1
10 8	23 40.00	− 7 13.8	1.907	2.854	7.8	19.3
10 18	23 34.46	− 7 43.3	1.981	2.862	11.2	19.6
10 28	23 30.92	− 7 57.0	2.077	2.869	14.1	19.8

120115 2003 FW_{65} 9 20.8 59°.83 5°.1/15.9 18

8 19	0 16.38	−14 20.0	1.944	2.836	11.7	19.6
8 29	0 10.71	−15 6.8	1.897	2.843	8.7	19.5
9 8	0 3.32	−15 50.8	1.873	2.851	6.0	19.3
9 18	23 54.93	−16 25.8	1.877	2.860	5.2	19.3
9 28	23 46.46	−16 46.1	1.907	2.868	7.0	19.4
10 8	23 38.84	−16 48.7	1.964	2.876	9.8	19.6
10 18	23 32.81	−16 32.7	2.044	2.884	12.7	19.8
10 28	23 28.86	−15 59.2	2.145	2.893	15.1	20.0

361006 2005 UE_{519} 9 20.8 351°.03 7°.0/13.1 18

8 19	0 13.22	−18 14.8	1.872	2.770	11.8	20.5
8 29	0 8.61	−19 37.1	1.824	2.768	9.1	20.3
9 8	0 2.21	−20 54.2	1.799	2.766	7.3	20.2
9 18	23 54.71	−21 58.0	1.800	2.765	7.2	20.2
9 28	23 47.03	−22 41.5	1.827	2.763	9.1	20.3
10 8	23 40.13	−23 0.8	1.878	2.762	11.7	20.5
10 18	23 34.80	−22 55.1	1.951	2.762	14.3	20.7
10 28	23 31.58	−22 26.0	2.043	2.761	16.6	20.8

62886 2000 UV_{95} 9 20.8 23°.11 4°.5/25.5 18

8 19	0 12.89	+13 58.3	1.925	2.748	14.7	19.1
8 29	0 8.38	+13 58.8	1.853	2.751	11.7	19.0
9 8	0 2.10	+13 39.3	1.802	2.754	8.5	18.8
9 18	23 54.70	+13 0.9	1.775	2.757	5.5	18.6
9 28	23 47.04	+12 7.1	1.775	2.761	4.6	18.6
10 8	23 40.05	+11 4.3	1.802	2.765	6.8	18.7
10 18	23 34.52	+ 9 59.4	1.855	2.769	10.0	18.9
10 28	23 31.06	+ 8 59.4	1.931	2.774	13.1	19.1

237221 2008 VS_{2} 9 20.8 257°.97 4°.4/16.9 18

8 19	0 18.42	−11 21.6	1.832	2.721	12.4	20.2
8 29	0 12.46	−12 3.0	1.763	2.711	9.1	20.0
9 8	0 4.50	−12 44.9	1.718	2.701	5.9	19.8
9 18	23 55.23	−13 20.9	1.699	2.691	4.4	19.7
9 28	23 45.67	−13 44.7	1.708	2.680	6.5	19.8
10 8	23 36.88	−13 51.8	1.743	2.669	10.0	20.0
10 18	23 29.75	−13 40.4	1.803	2.658	13.4	20.2
10 28	23 24.95	−13 10.6	1.883	2.647	16.3	20.4

498994 2009 BV_{176} 9 20.8 271°.47 0°.7/20.2 17

8 19	0 16.54	+ 0 46.6	1.314	2.202	16.4	21.9
8 29	0 11.73	+ 0 2.0	1.246	2.195	12.0	21.6
9 8	0 4.36	− 0 59.1	1.198	2.187	6.9	21.3
9 18	23 55.25	− 2 10.3	1.175	2.179	1.5	20.9
9 28	23 45.68	− 3 22.1	1.177	2.171	4.5	21.1
10 8	23 37.06	− 4 24.8	1.204	2.163	10.0	21.4
10 18	23 30.55	− 5 10.8	1.253	2.155	14.8	21.7
10 28	23 26.95	− 5 35.4	1.323	2.147	19.0	21.9

223475 2003 VY_{3} 9 20.8 333°.49 7°.4/30.5 18

8 19	0 10.94	+25 3.7	2.228	2.976	15.2	19.5
8 29	0 6.94	+25 14.0	2.140	2.970	13.1	19.4
9 8	0 1.29	+24 59.9	2.072	2.965	10.8	19.2
9 18	23 54.55	+24 20.5	2.026	2.960	8.7	19.1
9 28	23 47.48	+23 17.2	2.005	2.955	7.5	19.0
10 8	23 40.97	+21 55.0	2.010	2.951	7.9	19.0
10 18	23 35.76	+20 21.1	2.041	2.946	9.7	19.1
10 28	23 32.46	+18 44.0	2.097	2.943	12.0	19.3

250837 2005 UW_{143} 9 20.8 10°.38 0°.2/21.0 18

8 19	0 13.00	+ 1 50.9	1.729	2.605	13.7	20.6
8 29	0 8.53	+ 1 26.0	1.665	2.607	10.0	20.3
9 8	0 2.22	+ 0 48.8	1.623	2.609	5.9	20.1
9 18	23 54.74	+ 0 3.6	1.607	2.611	1.4	19.8
9 28	23 47.04	− 0 43.7	1.619	2.614	3.2	19.9
10 8	23 40.09	− 1 26.8	1.656	2.618	7.5	20.2
10 18	23 34.72	− 2 0.4	1.719	2.621	11.4	20.5
10 28	23 31.53	− 2 20.6	1.804	2.626	14.7	20.7

32507 2001 LR_{15} 9 20.8 35°.01 6°.7/15.0 18

8 19	0 14.40	−14 11.7	1.399	2.307	14.3	17.9
8 29	0 9.69	−15 30.5	1.368	2.323	10.6	17.7
9 8	0 2.87	−16 45.3	1.360	2.340	7.5	17.6
9 18	23 54.86	−17 46.6	1.376	2.357	6.8	17.6
9 28	23 46.85	−18 26.3	1.416	2.376	9.0	17.7
10 8	23 39.99	−18 40.3	1.480	2.394	12.3	18.0
10 18	23 35.13	−18 28.3	1.566	2.414	15.5	18.2
10 28	23 32.76	−17 52.9	1.669	2.434	18.1	18.5

278297 2007 GT_{63} 9 20.8 93°.13 1°.8/19.3 15

8 19	0 17.67	− 3 28.7	1.644	2.529	13.9	21.5
8 29	0 11.90	− 4 4.1	1.590	2.538	9.9	21.3
9 8	0 4.13	− 4 47.0	1.559	2.547	5.6	21.0
9 18	23 55.15	− 5 31.8	1.554	2.557	1.9	20.8
9 28	23 46.04	− 6 11.7	1.576	2.566	4.5	21.0
10 8	23 37.86	− 6 41.1	1.625	2.575	8.7	21.3
10 18	23 31.49	− 6 56.1	1.698	2.584	12.5	21.6
10 28	23 27.51	− 6 55.0	1.793	2.592	15.7	21.8

288303 2004 BP_{21} 9 20.8 259°.08 4°.4/15.7 18

8 19	0 12.76	− 9 33.5	1.944	2.838	11.6	20.5
8 29	0 8.29	−11 2.3	1.877	2.829	8.4	20.3
9 8	0 2.08	−12 35.2	1.835	2.820	5.4	20.1
9 18	23 54.73	−14 4.5	1.821	2.810	4.5	20.0
9 28	23 47.09	−15 21.9	1.834	2.800	6.7	20.2
10 8	23 40.09	−16 21.0	1.874	2.790	10.0	20.3
10 18	23 34.50	−16 58.1	1.937	2.780	13.1	20.5
10 28	23 30.94	−17 12.2	2.021	2.770	15.8	20.7

99391 2002 AK_{4} 9 20.8 242°.68 12°.8/14.5 17

8 19	0 35.74	−28 2.0	1.218	2.093	18.4	18.4
8 29	0 26.03	−28 49.6	1.166	2.085	15.4	18.2
9 8	0 12.68	−29 15.6	1.134	2.077	13.3	18.0
9 18	23 57.07	−29 6.7	1.125	2.069	12.9	18.0
9 28	23 41.31	−28 15.3	1.139	2.061	14.7	18.1
10 8	23 27.49	−26 42.3	1.175	2.052	17.8	18.2
10 18	23 17.08	−24 35.8	1.232	2.043	21.1	18.4
10 28	23 10.79	−22 6.0	1.306	2.033	24.0	18.6

117880 2651 P–L 9 20.8 0°.67 0°.3/20.9 18

8 19	0 14.19	− 0 14.5	1.063	1.968	18.0	18.4
8 29	0 10.30	− 0 3.0	1.008	1.964	13.3	18.2
9 8	0 3.62	− 0 4.5	0.972	1.962	7.8	17.9
9 18	23 55.10	− 0 15.0	0.957	1.961	1.8	17.5
9 28	23 46.21	− 0 28.2	0.966	1.963	4.3	17.7
10 8	23 38.50	− 0 36.9	0.997	1.966	10.1	18.0
10 18	23 33.22	− 0 35.5	1.049	1.970	15.2	18.3
10 28	23 31.11	− 0 20.3	1.120	1.977	19.5	18.6

63789 2001 RD_{18} 9 20.8 335°.74 8°.3/11.7 17

8 19	0 7.08	− 4 43.6	0.874	1.805	18.2	18.5
8 29	0 5.56	− 9 8.6	0.826	1.798	12.9	18.2
9 8	0 1.09	−13 59.4	0.801	1.791	8.8	18.0
9 18	23 54.57	−18 44.7	0.801	1.786	9.5	18.0
9 28	23 47.54	−22 51.4	0.825	1.781	14.3	18.2
10 8	23 41.70	−25 57.4	0.871	1.777	19.5	18.5
10 18	23 38.40	−27 56.2	0.934	1.773	24.0	18.8
10 28	23 38.46	−28 52.3	1.009	1.771	27.6	19.1

471299 2011 HM_{11} 9 20.8 124°.34 7°.6/13.5 16

8 19	0 18.73	−19 43.7	1.778	2.668	12.7	21.6
8 29	0 12.59	−21 1.2	1.739	2.677	9.9	21.5
9 8	0 4.48	−22 10.8	1.723	2.686	7.9	21.4
9 18	23 55.24	−23 4.1	1.733	2.694	7.8	21.4
9 28	23 45.93	−23 34.5	1.769	2.702	9.6	21.5
10 8	23 37.62	−23 39.1	1.830	2.710	12.2	21.7
10 18	23 31.15	−23 18.3	1.913	2.717	14.8	21.9
10 28	23 27.05	−22 35.1	2.014	2.724	17.1	22.1

19264 1995 SE_{10} 9 20.8 224°.65 0°.6/20.2 18

8 19	0 14.95	+ 0 30.0	2.210	3.075	11.5	19.7
8 29	0 9.71	− 0 17.4	2.127	3.065	8.4	19.5
9 8	0 2.85	− 1 15.4	2.068	3.054	4.8	19.2
9 18	23 54.91	− 2 19.6	2.038	3.042	1.0	18.9
9 28	23 46.66	− 3 24.2	2.037	3.029	3.2	19.1
10 8	23 38.95	− 4 23.3	2.065	3.016	7.0	19.3
10 18	23 32.52	− 5 11.9	2.119	3.003	10.5	19.5
10 28	23 27.94	− 5 46.4	2.197	2.989	13.5	19.7

217168 2002 QH_{3} 9 20.8 56°.75 1°.3/21.9 17

8 19	0 14.50	+ 6 16.6	1.276	2.153	17.5	19.7
8 29	0 10.02	+ 5 25.3	1.227	2.167	13.0	19.5
9 8	0 3.20	+ 4 12.1	1.199	2.181	7.9	19.2
9 18	23 54.98	+ 2 43.8	1.193	2.196	2.5	19.0
9 28	23 46.62	+ 1 10.3	1.214	2.210	3.6	19.1
10 8	23 39.38	− 0 17.2	1.259	2.225	8.8	19.4
10 18	23 34.25	− 1 29.8	1.328	2.240	13.4	19.7
10 28	23 31.83	− 2 21.7	1.418	2.256	17.2	20.0

480635 2015 NC_{8} 9 20.8 153°.30 5°.4/27.1 18

8 19	0 17.06	+18 24.2	2.343	3.121	13.7	22.0
8 29	0 11.16	+18 34.3	2.267	3.130	11.3	21.9
9 8	0 3.63	+18 25.1	2.212	3.138	8.6	21.7
9 18	23 55.08	+17 56.6	2.182	3.145	6.3	21.6
9 28	23 46.29	+17 11.0	2.180	3.152	5.4	21.5
10 8	23 38.12	+16 13.2	2.207	3.158	6.6	21.6
10 18	23 31.29	+15 9.3	2.261	3.164	9.0	21.8
10 28	23 26.36	+14 5.9	2.340	3.168	11.6	22.0

467841 2010 TU_{112} 9 20.8 75°.55 1°.2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.22	+ 4 36.0	1.297	2.173	17.4	21.2
8 29	0 12.67	+ 4 7.7	1.249	2.189	12.8	20.9
9 8	0 4.71	+ 3 21.0	1.221	2.204	7.7	20.7
9 18	23 55.31	+ 2 21.1	1.217	2.220	2.4	20.4
9 28	23 45.79	+ 1 16.4	1.239	2.235	3.7	20.6
10 8	23 37.48	+ 0 16.1	1.286	2.251	8.8	20.9
10 18	23 31.37	− 0 32.4	1.357	2.266	13.3	21.2
10 28	23 28.10	− 1 4.1	1.448	2.282	17.1	21.5

195041 2002 CV_{58} 9 20.8 78°.02 1°.6/17.5 17

8 19	0 6.29	− 7 40.2	4.258	5.136	6.2	20.3
8 29	0 2.79	− 8 18.6	4.193	5.139	4.4	20.2
9 8	23 58.58	− 8 58.5	4.156	5.142	2.6	20.0
9 18	23 53.94	− 9 37.3	4.148	5.144	1.6	20.0
9 28	23 49.22	−10 12.6	4.170	5.147	2.7	20.0
10 8	23 44.78	−10 42.0	4.221	5.150	4.5	20.2
10 18	23 40.93	−11 3.8	4.300	5.152	6.3	20.3
10 28	23 37.96	−11 16.9	4.403	5.155	7.8	20.4

19553 1999 JF_{71} 9 20.8 6°.21 7°.2/14.9 18

8 19	0 10.02	−11 51.2	1.069	1.994	16.2	16.9
8 29	0 7.16	−13 25.1	1.029	1.994	11.9	16.7
9 8	0 1.72	−14 59.9	1.009	1.996	8.2	16.5
9 18	23 54.68	−16 22.6	1.011	1.999	7.4	16.5
9 28	23 47.42	−17 21.0	1.035	2.004	10.2	16.6
10 8	23 41.37	−17 47.9	1.081	2.010	14.3	16.9
10 18	23 37.58	−17 41.9	1.145	2.018	18.2	17.2
10 28	23 36.68	−17 5.3	1.226	2.027	21.5	17.4

69154 2003 HZ_{50} 9 20.8 56°.10 0°.9/21.8 18

8 19	0 11.85	+ 5 22.4	1.920	2.782	13.2	18.9
8 29	0 7.46	+ 4 33.5	1.866	2.799	9.7	18.7
9 8	0 1.49	+ 3 30.1	1.836	2.816	5.8	18.5
9 18	23 54.60	+ 2 17.0	1.832	2.834	1.8	18.3
9 28	23 47.61	+ 1 0.9	1.855	2.851	2.7	18.4
10 8	23 41.37	− 0 11.4	1.907	2.869	6.6	18.7
10 18	23 36.55	− 1 13.8	1.985	2.887	10.1	18.9
10 28	23 33.64	− 2 2.1	2.086	2.905	13.1	19.2

28805 2000 HY_{85} 9 20.8 332°.39 2°.9/18.4 18

8 19	0 10.59	− 2 50.8	1.195	2.104	16.1	17.5
8 29	0 7.58	− 4 0.6	1.128	2.089	11.6	17.2
9 8	0 2.06	− 5 25.6	1.082	2.074	6.6	16.9
9 18	23 54.79	− 6 56.6	1.059	2.061	2.9	16.6
9 28	23 47.03	− 8 21.6	1.060	2.048	6.3	16.8
10 8	23 40.17	− 9 29.5	1.084	2.037	11.6	17.0
10 18	23 35.39	−10 12.5	1.129	2.027	16.4	17.3
10 28	23 33.51	−10 27.5	1.192	2.018	20.5	17.5

106067 2000 SC_{328} 9 20.8 236°.24 0°.5/21.3 18

8 19	0 15.45	+ 2 2.9	2.436	3.292	11.0	19.6
8 29	0 9.94	+ 1 51.2	2.351	3.282	8.1	19.4
9 8	0 2.94	+ 1 30.6	2.291	3.272	4.8	19.2
9 18	23 54.94	+ 1 3.7	2.258	3.261	1.3	18.9
9 28	23 46.67	+ 0 34.1	2.256	3.251	2.5	19.0
10 8	23 38.89	+ 0 5.8	2.282	3.240	6.0	19.2
10 18	23 32.28	− 0 17.2	2.335	3.228	9.2	19.4
10 28	23 27.38	− 0 32.0	2.413	3.216	12.0	19.6

509435 2007 EB_{152} 9 20.8 118°.90 1°.4/18.9 18

8 19	0 13.04	− 3 28.6	2.684	3.556	9.6	22.3
8 29	0 7.93	− 4 13.2	2.629	3.572	6.8	22.2
9 8	0 1.62	− 5 2.6	2.601	3.587	3.8	22.0
9 18	23 54.63	− 5 53.0	2.600	3.602	1.4	21.8
9 28	23 47.56	− 6 39.8	2.630	3.617	3.2	22.0
10 8	23 41.05	− 7 19.1	2.689	3.631	6.1	22.2
10 18	23 35.61	− 7 48.3	2.775	3.645	8.7	22.4
10 28	23 31.66	− 8 5.4	2.885	3.659	11.0	22.6

70396 1999 RQ_{238} 9 20.8 301°.01 8°.6/29.5 18

8 19	0 14.22	+23 31.3	1.763	2.535	17.8	19.2
8 29	0 9.78	+24 0.8	1.678	2.527	15.3	19.0
9 8	0 3.16	+24 2.7	1.612	2.519	12.5	18.8
9 18	23 55.04	+23 34.5	1.567	2.511	10.0	18.6
9 28	23 46.41	+22 37.2	1.546	2.503	8.6	18.5
10 8	23 38.46	+21 16.4	1.549	2.495	9.4	18.6
10 18	23 32.19	+19 41.3	1.578	2.487	11.8	18.7
10 28	23 28.39	+18 2.6	1.629	2.480	14.6	18.9

317394 2002 PZ_{48} 9 20.8 36°.79 1°.9/18.7 18

8 19	0 7.85	+ 7 3.8	0.965	1.865	19.9	18.9
8 29	0 5.52	+ 3 37.8	0.932	1.888	14.1	18.6
9 8	0 0.69	− 0 18.2	0.921	1.913	7.6	18.4
9 18	23 54.44	− 4 22.4	0.934	1.938	2.0	18.1
9 28	23 48.17	− 8 8.8	0.975	1.965	6.4	18.5
10 8	23 43.21	−11 17.1	1.040	1.992	12.1	18.9
10 18	23 40.49	−13 37.2	1.128	2.020	16.9	19.3
10 28	23 40.48	−15 8.4	1.234	2.049	20.6	19.6

324851 2007 LU_7 9 20.8 279°.66 4°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.26	+18 11.8	2.400	3.190	13.1	20.2
8 29	0 6.32	+17 35.1	2.302	3.176	10.7	20.0
9 8	0 0.90	+16 36.7	2.225	3.161	8.0	19.8
9 18	23 54.51	+15 17.6	2.173	3.147	5.5	19.6
9 28	23 47.82	+13 41.7	2.150	3.132	4.4	19.5
10 8	23 41.59	+11 55.3	2.156	3.117	6.0	19.6
10 18	23 36.50	+10 6.1	2.190	3.102	8.8	19.8
10 28	23 33.09	+ 8 21.9	2.250	3.088	11.6	19.9

65018 2002 AK_{95} 9 20.8 58°.32 1°.7/19.4 18

8 19	0 16.15	− 2 28.9	1.511	2.400	14.6	19.7
8 29	0 10.97	− 3 11.1	1.459	2.409	10.5	19.5
9 8	0 3.68	− 4 2.7	1.428	2.417	5.9	19.3
9 18	23 55.12	− 4 57.5	1.423	2.426	1.8	19.0
9 28	23 46.39	− 5 47.8	1.444	2.435	4.6	19.2
10 8	23 38.65	− 6 26.7	1.492	2.444	9.1	19.5
10 18	23 32.78	− 6 50.0	1.563	2.453	13.1	19.8
10 28	23 29.40	− 6 55.3	1.654	2.463	16.5	20.0

213453 2002 CH_{37} 9 20.8 211°.28 1°.9/19.2 18

8 19	0 16.44	− 1 33.4	1.390	2.281	15.5	20.5
8 29	0 11.46	− 2 33.9	1.328	2.280	11.2	20.2
9 8	0 4.12	− 3 47.6	1.289	2.278	6.3	19.9
9 18	23 55.24	− 5 6.8	1.274	2.277	2.0	19.6
9 28	23 46.04	− 6 21.8	1.285	2.275	5.1	19.9
10 8	23 37.81	− 7 23.3	1.322	2.274	10.0	20.1
10 18	23 31.59	− 8 5.2	1.381	2.272	14.5	20.4
10 28	23 28.10	− 8 24.6	1.461	2.270	18.2	20.6

80527 2000 AS_{64} 9 20.8 186°.09 6°.6/13.9 18

8 19	0 17.36	−15 55.0	1.818	2.711	12.3	19.4
8 29	0 11.69	−17 28.1	1.766	2.711	9.4	19.2
9 8	0 4.06	−18 58.4	1.739	2.711	7.0	19.1
9 18	23 55.20	−20 16.8	1.738	2.710	6.8	19.1
9 28	23 46.14	−21 15.3	1.765	2.708	8.9	19.2
10 8	23 37.92	−21 49.1	1.816	2.706	11.8	19.4
10 18	23 31.40	−21 56.7	1.890	2.703	14.6	19.6
10 28	23 27.18	−21 39.9	1.982	2.700	17.1	19.7

43852 1993 TH_{28} 9 20.8 340°.67 1°.0/21.8 18

8 19	0 8.39	+ 6 17.9	1.410	2.291	16.0	17.9
8 29	0 5.66	+ 5 19.8	1.337	2.279	12.0	17.6
9 8	0 0.81	+ 3 58.6	1.284	2.268	7.3	17.4
9 18	23 54.52	+ 2 19.8	1.255	2.257	2.3	17.0
9 28	23 47.83	+ 0 32.9	1.251	2.248	3.5	17.1
10 8	23 41.90	− 1 10.5	1.273	2.240	8.6	17.4
10 18	23 37.71	− 2 40.1	1.319	2.233	13.3	17.6
10 28	23 35.97	− 3 48.5	1.385	2.227	17.3	17.9

261582 2005 XE_8 9 20.8 8°.67 5°.4/14.8 18

8 19	0 14.34	−15 41.9	2.108	3.000	10.9	20.5
8 29	0 9.25	−16 43.0	2.055	3.000	8.2	20.3
9 8	0 2.54	−17 41.1	2.027	3.001	6.0	20.2
9 18	23 54.86	−18 29.8	2.025	3.001	5.6	20.2
9 28	23 47.03	−19 3.1	2.050	3.001	7.3	20.3
10 8	23 39.91	−19 17.6	2.102	3.001	9.9	20.4
10 18	23 34.20	−19 12.2	2.177	3.002	12.5	20.6
10 28	23 30.41	−18 47.6	2.272	3.002	14.8	20.8

389326 2009 SB_{244} 9 20.8 273°.54 0°.3/21.4 18

8 19	0 6.00	+ 2 33.3	4.414	5.265	6.5	21.1
8 29	0 2.60	+ 2 7.6	4.330	5.258	4.8	21.0
9 8	23 58.50	+ 1 36.5	4.271	5.252	2.8	20.8
9 18	23 53.96	+ 1 1.7	4.242	5.245	0.8	20.7
9 28	23 49.32	+ 0 25.5	4.243	5.238	1.4	20.7
10 8	23 44.92	− 0 9.8	4.274	5.232	3.5	20.9
10 18	23 41.07	− 0 41.9	4.334	5.225	5.4	21.0
10 28	23 38.05	− 1 8.8	4.421	5.219	7.1	21.1

261829 2006 DV_{12} 9 20.8 258°.64 2°.4/17.9 18

8 19	0 14.13	− 7 23.2	2.502	3.381	9.9	20.9
8 29	0 8.98	− 8 0.8	2.420	3.366	7.1	20.7
9 8	0 2.38	− 8 41.6	2.364	3.350	4.2	20.5
9 18	23 54.85	− 9 21.5	2.337	3.335	2.4	20.3
9 28	23 47.05	− 9 55.8	2.338	3.319	4.3	20.4
10 8	23 39.73	−10 20.5	2.368	3.302	7.3	20.6
10 18	23 33.53	−10 32.8	2.424	3.286	10.2	20.8
10 28	23 28.98	−10 31.3	2.504	3.269	12.7	20.9

239605 2008 UP_{156} 9 20.8 289°.70 1°.2/21.9 18

8 19	0 14.11	+ 4 50.0	1.679	2.546	14.5	20.5
8 29	0 9.57	+ 4 21.9	1.600	2.535	10.9	20.2
9 8	0 2.99	+ 3 37.2	1.543	2.524	6.7	20.0
9 18	23 55.02	+ 2 39.8	1.511	2.513	2.2	19.6
9 28	23 46.64	+ 1 35.7	1.506	2.502	3.2	19.7
10 8	23 38.94	+ 0 32.8	1.528	2.491	7.8	20.0
10 18	23 32.87	− 0 21.9	1.574	2.480	12.0	20.2
10 28	23 29.13	− 1 2.7	1.643	2.470	15.7	20.4

364076 2005 YX_{42} 9 20.8 173°.41 4°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.48	−13 8.0	2.479	3.367	9.6	21.0
8 29	0 7.72	−14 17.1	2.422	3.369	7.1	20.9
9 8	0 1.61	−15 25.5	2.392	3.370	4.9	20.7
9 18	23 54.67	−16 27.6	2.389	3.371	4.4	20.7
9 28	23 47.59	−17 18.0	2.415	3.371	6.0	20.8
10 8	23 41.06	−17 52.9	2.469	3.372	8.5	21.0
10 18	23 35.69	−18 10.3	2.546	3.372	10.9	21.2
10 28	23 31.95	−18 10.0	2.646	3.372	13.0	21.3

149077 2002 CX_{81} 9 20.8 246°.89 1°.2/19.4 18

8 19	0 13.16	− 2 9.0	2.283	3.157	10.9	20.9
8 29	0 8.37	− 2 51.1	2.205	3.149	7.8	20.7
9 8	0 2.07	− 3 40.8	2.153	3.140	4.4	20.4
9 18	23 54.79	− 4 33.8	2.128	3.131	1.3	20.2
9 28	23 47.26	− 5 25.0	2.131	3.121	3.4	20.3
10 8	23 40.26	− 6 9.1	2.164	3.112	7.0	20.6
10 18	23 34.46	− 6 42.3	2.222	3.102	10.2	20.7
10 28	23 30.41	− 7 1.8	2.304	3.092	13.0	20.9

484312 2007 TM_{108} 9 20.8 354°.45 7°.0/27.7 17

8 19	0 2.37	+18 0.2	1.075	1.934	21.4	19.6
8 29	0 1.79	+17 47.8	1.008	1.923	17.7	19.4
9 8	23 58.79	+16 55.5	0.956	1.914	13.4	19.1
9 18	23 54.11	+15 23.3	0.924	1.907	9.1	18.8
9 28	23 48.97	+13 18.3	0.913	1.902	7.0	18.7
10 8	23 44.76	+10 55.1	0.924	1.900	9.4	18.8
10 18	23 42.61	+ 8 31.1	0.958	1.900	13.8	19.1
10 28	23 43.32	+ 6 22.5	1.011	1.902	18.2	19.4

111286 2001 XC_{46} 9 20.8 280°.05 1°.4/19.5 18

8 19	0 15.80	− 3 32.0	2.086	2.963	11.7	20.2
8 29	0 10.47	− 3 55.0	2.002	2.946	8.5	19.9
9 8	0 3.37	− 4 24.6	1.942	2.929	4.8	19.7
9 18	23 55.10	− 4 56.5	1.909	2.912	1.5	19.4
9 28	23 46.46	− 5 26.0	1.905	2.895	3.8	19.6
10 8	23 38.38	− 5 48.2	1.928	2.878	7.6	19.8
10 18	23 31.65	− 5 59.7	1.978	2.860	11.2	20.0
10 28	23 26.91	− 5 58.0	2.050	2.843	14.2	20.1

263626 2008 GS_{42} 9 20.8 52°.76 7°.1/14.4 18 R

8 19	0 18.63	−20 35.5	1.870	2.757	12.3	19.1
8 29	0 12.31	−21 24.3	1.841	2.777	9.6	19.0
9 8	0 4.23	−22 3.8	1.835	2.797	7.6	18.9
9 18	23 55.23	−22 27.6	1.855	2.817	7.3	18.9
9 28	23 46.33	−22 31.0	1.902	2.838	8.8	19.1
10 8	23 38.47	−22 12.4	1.973	2.859	11.2	19.3
10 18	23 32.37	−21 33.2	2.067	2.879	13.6	19.5
10 28	23 28.50	−20 36.0	2.181	2.900	15.7	19.7

424315 2007 TP_{404} 9 20.8 340°.19 4°.5/24.1 18

8 19	0 9.72	+10 24.6	1.001	1.886	20.6	19.9
8 29	0 7.39	+10 22.7	0.934	1.873	16.2	19.6
9 8	0 2.18	+ 9 49.9	0.884	1.861	11.1	19.3
9 18	23 54.90	+ 8 47.7	0.854	1.850	6.0	19.0
9 28	23 46.98	+ 7 23.4	0.845	1.841	5.2	18.9
10 8	23 40.07	+ 5 50.1	0.858	1.833	10.0	19.1
10 18	23 35.56	+ 4 21.8	0.891	1.826	15.5	19.4
10 28	23 34.40	+ 3 10.6	0.943	1.821	20.4	19.7

34549 2000 SA_{238} 9 20.8 127°.62 3°.1/17.1 18 R

8 19	0 12.16	− 6 54.0	2.133	3.021	11.0	18.6
8 29	0 7.66	− 8 8.2	2.074	3.024	7.8	18.4
9 8	0 1.64	− 9 27.1	2.040	3.027	4.7	18.3
9 18	23 54.70	−10 44.3	2.034	3.030	3.1	18.2
9 28	23 47.58	−11 52.9	2.056	3.033	5.2	18.3
10 8	23 41.09	−12 47.6	2.106	3.035	8.3	18.5
10 18	23 35.90	−13 24.9	2.181	3.038	11.3	18.7
10 28	23 32.50	−13 43.3	2.278	3.040	13.9	18.9

515644 2014 ME_{72} 9 20.8 30°.36 0°.4/21.2 18

8 19	0 15.04	+ 1 35.7	2.052	2.918	12.3	21.2
8 29	0 9.79	+ 1 27.1	1.985	2.921	9.0	21.0
9 8	0 2.90	+ 1 8.9	1.941	2.924	5.3	20.8
9 18	23 54.98	+ 0 44.1	1.924	2.927	1.4	20.5
9 28	23 46.86	+ 0 16.9	1.936	2.931	2.8	20.7
10 8	23 39.41	− 0 8.0	1.975	2.935	6.6	20.9
10 18	23 33.35	− 0 26.8	2.040	2.939	10.1	21.1
10 28	23 29.25	− 0 36.1	2.129	2.943	13.1	21.3

296011 2008 YK_{123} 9 20.8 116°.09 3°.2/17.2 18

8 19	0 14.82	− 7 22.5	2.054	2.940	11.4	21.0
8 29	0 9.54	− 8 32.2	2.005	2.954	8.1	20.8
9 8	0 2.69	− 9 45.4	1.981	2.968	4.9	20.7
9 18	23 54.92	−10 55.6	1.985	2.981	3.2	20.6
9 28	23 47.06	−11 56.3	2.017	2.993	5.3	20.7
10 8	23 39.95	−12 42.3	2.077	3.006	8.5	21.0
10 18	23 34.26	−13 10.9	2.162	3.018	11.5	21.2
10 28	23 30.48	−13 21.1	2.268	3.029	14.0	21.4

122890 2000 SN_{150} 9 20.8 292°.53 0°.5/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.45	+ 2 35.6	1.621	2.495	14.6	19.4
8 29	0 10.61	+ 2 13.8	1.543	2.483	10.8	19.1
9 8	0 3.63	+ 1 37.8	1.488	2.472	6.4	18.8
9 18	23 55.18	+ 0 51.4	1.458	2.461	1.7	18.5
9 28	23 46.32	+ 0 0.7	1.454	2.450	3.4	18.6
10 8	23 38.17	− 0 47.0	1.477	2.439	8.2	18.9
10 18	23 31.73	− 1 25.4	1.525	2.429	12.5	19.1
10 28	23 27.74	− 1 49.7	1.594	2.418	16.2	19.3

60190 1999 VG_{31} 9 20.8 73°.72 4°.6/15.7 18

8 19	0 14.69	−13 47.4	2.191	3.081	10.7	18.5
8 29	0 9.44	−14 38.4	2.136	3.083	7.9	18.4
9 8	0 2.65	−15 27.6	2.106	3.085	5.4	18.2
9 18	23 54.92	−16 9.3	2.104	3.087	4.7	18.2
9 28	23 47.06	−16 38.2	2.129	3.088	6.4	18.3
10 8	23 39.89	−16 51.0	2.180	3.090	9.1	18.5
10 18	23 34.07	−16 46.1	2.256	3.092	11.8	18.6
10 28	23 30.12	−16 24.1	2.353	3.094	14.1	18.8

401697 2013 HN_{28} 9 20.8 46°.95 4°.9/14.9 18

8 19	0 12.29	−13 22.8	2.158	3.052	10.6	20.3
8 29	0 7.75	−14 37.0	2.106	3.055	7.8	20.1
9 8	0 1.69	−15 50.4	2.079	3.057	5.5	20.0
9 18	23 54.71	−16 56.2	2.080	3.060	5.0	19.9
9 28	23 47.59	−17 48.3	2.108	3.063	6.8	20.1
10 8	23 41.12	−18 22.3	2.162	3.066	9.5	20.2
10 18	23 35.96	−18 36.5	2.240	3.069	12.1	20.4
10 28	23 32.61	−18 30.9	2.338	3.073	14.3	20.6

185708 1998 QR_{95} 9 20.8 20°.44 5°.8/28.7 18

8 19	0 8.57	+22 24.9	1.792	2.579	17.0	18.9
8 29	0 5.39	+21 22.8	1.718	2.586	14.1	18.7
9 8	0 0.46	+19 48.6	1.664	2.593	10.8	18.6
9 18	23 54.45	+17 44.5	1.634	2.602	7.5	18.4
9 28	23 48.26	+15 17.6	1.631	2.611	5.8	18.3
10 8	23 42.83	+12 39.1	1.656	2.621	7.1	18.4
10 18	23 38.90	+10 1.4	1.708	2.631	10.2	18.6
10 28	23 37.03	+ 7 35.9	1.787	2.642	13.4	18.8

25421 Gafaran 9 20.8 291°.73 1°.8/19.2 18

8 19	0 13.14	− 0 14.7	1.404	2.296	15.3	18.8
8 29	0 9.22	− 1 30.3	1.329	2.281	11.1	18.5
9 8	0 2.96	− 3 3.3	1.275	2.265	6.3	18.2
9 18	23 55.06	− 4 45.8	1.246	2.249	1.9	17.9
9 28	23 46.65	− 6 26.9	1.243	2.234	5.2	18.0
10 8	23 39.01	− 7 55.3	1.265	2.218	10.3	18.3
10 18	23 33.24	− 9 2.6	1.311	2.203	15.0	18.5
10 28	23 30.15	− 9 44.0	1.376	2.188	19.0	18.8

350415 2012 VN_{60} 9 20.8 58°.27 2°.5/18.6 18

8 19	0 15.62	− 4 52.9	1.699	2.588	13.3	21.2
8 29	0 10.48	− 5 39.9	1.639	2.590	9.5	21.0
9 8	0 3.40	− 6 33.7	1.603	2.592	5.4	20.7
9 18	23 55.11	− 7 28.0	1.593	2.594	2.5	20.6
9 28	23 46.62	− 8 15.7	1.610	2.596	5.0	20.7
10 8	23 38.95	− 8 50.8	1.654	2.599	9.0	21.0
10 18	23 32.97	− 9 9.6	1.722	2.601	12.7	21.2
10 28	23 29.27	− 9 10.5	1.810	2.604	15.8	21.4

134167 2005 BX_{20} 9 20.8 47°.17 4°.9/17.3 17

8 19	0 17.17	− 6 52.8	1.006	1.920	18.0	19.2
8 29	0 12.09	− 8 18.9	0.984	1.946	12.7	19.0
9 8	0 4.38	− 9 49.2	0.983	1.974	7.5	18.8
9 18	23 55.29	−11 11.4	1.004	2.001	4.9	18.7
9 28	23 46.38	−12 13.9	1.048	2.030	8.0	19.0
10 8	23 39.09	−12 49.8	1.115	2.058	12.5	19.3
10 18	23 34.36	−12 57.7	1.203	2.087	16.6	19.7
10 28	23 32.64	−12 39.4	1.308	2.116	20.0	20.0

491920 2013 CS_{71} 9 20.8 313°.30 7°.1/26.7 17

8 19	0 15.79	+17 14.8	1.691	2.501	17.0	21.2
8 29	0 11.02	+17 58.3	1.604	2.486	14.1	21.0
9 8	0 3.98	+18 19.6	1.536	2.472	11.0	20.8
9 18	23 55.30	+18 16.3	1.491	2.458	8.2	20.6
9 28	23 46.01	+17 49.3	1.470	2.444	7.2	20.5
10 8	23 37.33	+17 3.4	1.475	2.431	8.9	20.6
10 18	23 30.35	+16 6.2	1.505	2.418	12.0	20.7
10 28	23 25.91	+15 6.8	1.556	2.405	15.3	20.9

82654 2001 PL_{13} 9 20.8 296°.25 3°.1/23.9 18

8 19	0 12.83	+10 7.7	1.858	2.701	14.4	19.1
8 29	0 8.58	+ 9 52.4	1.767	2.683	11.2	18.9
9 8	0 2.42	+ 9 18.0	1.697	2.665	7.6	18.6
9 18	23 54.93	+ 8 26.2	1.653	2.647	4.1	18.4
9 28	23 46.99	+ 7 21.4	1.636	2.629	3.6	18.3
10 8	23 39.59	+ 6 10.6	1.645	2.611	7.0	18.5
10 18	23 33.64	+ 5 1.3	1.681	2.594	11.0	18.7
10 28	23 29.84	+ 4 0.6	1.739	2.576	14.5	18.9

243286 2008 CO_{183} 9 20.8 320°.06 2°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.70	− 7 2.3	1.866	2.750	12.5	20.0
8 29	0 11.90	− 7 19.9	1.797	2.745	9.0	19.8
9 8	0 4.21	− 7 40.7	1.753	2.740	5.3	19.5
9 18	23 55.30	− 8 0.1	1.735	2.735	2.5	19.4
9 28	23 46.14	− 8 13.0	1.745	2.730	4.7	19.5
10 8	23 37.74	− 8 15.3	1.782	2.726	8.5	19.7
10 18	23 30.94	− 8 4.6	1.844	2.721	12.1	19.9
10 28	23 26.35	− 7 40.1	1.928	2.717	15.1	20.1

239851 1999 VG_{152} 9 20.8 298°.46 7°.7/13.9 18

8 19	0 18.20	−18 58.7	1.650	2.545	13.3	20.0
8 29	0 12.64	−20 2.2	1.585	2.527	10.4	19.8
9 8	0 4.80	−20 59.9	1.543	2.510	8.2	19.6
9 18	23 55.46	−21 42.9	1.526	2.493	8.0	19.6
9 28	23 45.74	−22 3.2	1.534	2.477	10.0	19.6
10 8	23 36.89	−21 56.7	1.566	2.460	13.0	19.8
10 18	23 29.92	−21 23.2	1.619	2.444	16.2	20.0
10 28	23 25.55	−20 25.1	1.691	2.428	18.9	20.1

189893 2003 SZ_{35} 9 20.8 335°.77 3°.0/17.6 18

8 19	0 11.13	− 6 39.7	1.894	2.789	11.8	19.0
8 29	0 7.16	− 7 37.2	1.826	2.780	8.5	18.8
9 8	0 1.48	− 8 40.4	1.782	2.771	5.0	18.6
9 18	23 54.70	− 9 42.9	1.764	2.762	3.0	18.4
9 28	23 47.66	−10 37.8	1.774	2.754	5.3	18.6
10 8	23 41.25	−11 19.2	1.809	2.747	8.9	18.8
10 18	23 36.23	−11 43.4	1.869	2.740	12.3	19.0
10 28	23 33.20	−11 48.7	1.950	2.734	15.2	19.2

324432 2006 SL_{408} 9 20.8 114°.16 1°.5/19.5 17

8 19	0 18.64	− 1 52.0	1.614	2.494	14.3	21.2
8 29	0 12.63	− 2 40.7	1.563	2.509	10.3	21.0
9 8	0 4.60	− 3 39.0	1.535	2.523	5.8	20.8
9 18	23 55.38	− 4 40.4	1.533	2.537	1.7	20.6
9 28	23 46.04	− 5 37.5	1.560	2.550	4.4	20.8
10 8	23 37.71	− 6 23.5	1.612	2.563	8.7	21.1
10 18	23 31.24	− 6 54.0	1.690	2.575	12.6	21.3
10 28	23 27.20	− 7 6.7	1.789	2.587	15.8	21.6

158148 2001 FN_{146} 9 20.8 196°.23 2°.9/24.7 18

8 19	0 11.91	+11 57.9	2.548	3.367	11.7	20.3
8 29	0 7.35	+11 38.5	2.466	3.365	9.1	20.1
9 8	0 1.45	+11 4.0	2.407	3.364	6.3	19.9
9 18	23 54.68	+10 16.0	2.374	3.362	3.7	19.8
9 28	23 47.71	+ 9 18.0	2.370	3.360	3.1	19.7
10 8	23 41.21	+ 8 15.0	2.395	3.358	5.4	19.9
10 18	23 35.80	+ 7 12.2	2.448	3.356	8.2	20.0
10 28	23 31.96	+ 6 14.8	2.527	3.354	10.9	20.2

85048 6265 P–L 9 20.8 107°.50 0°.4/21.1 18

8 19	0 19.57	+ 1 28.9	1.588	2.460	15.0	19.6
8 29	0 13.43	+ 1 17.4	1.529	2.468	11.0	19.4
9 8	0 5.14	+ 0 53.8	1.492	2.476	6.4	19.1
9 18	23 55.51	+ 0 22.1	1.481	2.484	1.6	18.8
9 28	23 45.68	− 0 12.0	1.496	2.492	3.4	19.0
10 8	23 36.82	− 0 42.3	1.539	2.499	8.1	19.3
10 18	23 29.86	− 1 3.9	1.607	2.507	12.2	19.6
10 28	23 25.44	− 1 13.1	1.696	2.514	15.7	19.8

263761 2008 KT_{9} 9 20.8 189°.00 2°.1/18.4 18

8 19	0 13.31	− 5 4.9	2.238	3.120	10.8	21.2
8 29	0 8.45	− 5 51.2	2.173	3.120	7.7	21.0
9 8	0 2.10	− 6 42.7	2.132	3.119	4.4	20.8
9 18	23 54.83	− 7 34.6	2.118	3.119	2.1	20.6
9 28	23 47.37	− 8 21.4	2.134	3.118	4.1	20.8
10 8	23 40.51	− 8 58.5	2.177	3.118	7.4	21.0
10 18	23 34.91	− 9 22.5	2.246	3.117	10.5	21.2
10 28	23 31.06	− 9 31.7	2.338	3.116	13.1	21.4

267108 2000 AP_{218} 9 20.8 184°.39 1°.8/22.3 18

8 19	0 17.49	+ 5 37.8	1.569	2.432	15.6	21.3
8 29	0 12.08	+ 5 24.3	1.501	2.432	11.7	21.0
9 8	0 4.45	+ 4 54.1	1.454	2.432	7.3	20.8
9 18	23 55.38	+ 4 10.1	1.431	2.432	2.8	20.5
9 28	23 45.98	+ 3 18.3	1.436	2.432	3.4	20.5
10 8	23 37.44	+ 2 26.1	1.467	2.431	7.9	20.8
10 18	23 30.74	+ 1 40.5	1.523	2.431	12.2	21.1
10 28	23 26.60	+ 1 7.2	1.600	2.430	15.9	21.3

155886 2001 FP_{67} 9 20.8 163°.88 0°.8/19.8 18

8 19	0 11.55	− 0 30.2	2.537	3.406	10.1	19.9
8 29	0 7.03	− 1 20.7	2.467	3.408	7.3	19.8
9 8	0 1.23	− 2 19.1	2.424	3.410	4.1	19.6
9 18	23 54.63	− 3 21.3	2.409	3.412	1.0	19.3
9 28	23 47.89	− 4 22.4	2.423	3.414	2.9	19.5
10 8	23 41.64	− 5 17.3	2.466	3.416	6.1	19.7
10 18	23 36.47	− 6 2.3	2.536	3.417	9.1	19.9
10 28	23 32.82	− 6 34.6	2.630	3.418	11.6	20.1

243368 2008 WS_{89} 9 20.8 266°.47 1°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.88	+ 6 41.5	1.919	2.770	13.6	21.1
8 29	0 10.02	+ 6 17.7	1.827	2.753	10.4	20.9
9 8	0 3.24	+ 5 37.6	1.759	2.734	6.6	20.6
9 18	23 55.13	+ 4 43.8	1.716	2.716	2.7	20.3
9 28	23 46.57	+ 3 41.3	1.701	2.697	3.0	20.3
10 8	23 38.54	+ 2 37.0	1.714	2.677	7.1	20.5
10 18	23 31.95	+ 1 37.5	1.753	2.658	11.1	20.7
10 28	23 27.49	+ 0 48.9	1.815	2.638	14.6	20.9

345018 2005 EK_{43} 9 20.8 293°.79 0°.1/20.9 18

8 19	0 16.48	+ 1 12.7	1.716	2.589	13.9	20.6
8 29	0 11.49	+ 0 53.7	1.619	2.559	10.4	20.3
9 8	0 4.26	+ 0 21.9	1.545	2.529	6.1	20.0
9 18	23 55.39	− 0 19.1	1.496	2.499	1.4	19.7
9 28	23 45.87	− 1 3.9	1.474	2.469	3.5	19.7
10 8	23 36.84	− 1 45.5	1.479	2.439	8.4	20.0
10 18	23 29.40	− 2 18.0	1.509	2.408	12.9	20.2
10 28	23 24.39	− 2 36.4	1.560	2.378	16.9	20.3

112977 2002 RE_{23} 9 20.8 30°.63 0°.9/20.1 17

8 19	0 11.49	+ 2 0.2	0.944	1.854	19.3	19.0
8 29	0 8.26	+ 0 50.5	0.912	1.871	13.9	18.8
9 8	0 2.36	− 0 38.9	0.898	1.890	7.8	18.5
9 18	23 54.90	− 2 17.3	0.906	1.910	1.6	18.2
9 28	23 47.41	− 3 50.8	0.937	1.932	5.0	18.5
10 8	23 41.34	− 5 7.2	0.990	1.954	10.7	18.9
10 18	23 37.70	− 5 59.1	1.064	1.978	15.7	19.3
10 28	23 37.03	− 6 23.6	1.156	2.003	19.6	19.6

115284 2003 SO_{192} 9 20.8 289°.61 5°.1/26.2 17

8 19	0 14.60	+15 53.9	2.313	3.111	13.3	19.5
8 29	0 9.57	+16 17.7	2.222	3.100	10.9	19.3
9 8	0 2.88	+16 24.5	2.152	3.089	8.3	19.1
9 18	23 55.05	+16 13.9	2.108	3.078	5.9	18.9
9 28	23 46.84	+15 47.4	2.090	3.067	5.1	18.9
10 8	23 39.09	+15 8.8	2.101	3.056	6.7	18.9
10 18	23 32.58	+14 23.5	2.138	3.045	9.3	19.1
10 28	23 27.92	+13 37.3	2.199	3.034	12.0	19.2

228479 2001 SR_{74} 9 20.8 343°.47 4°.4/24.3 18

8 19	0 13.54	+10 55.0	1.331	2.190	18.0	19.3
8 29	0 9.61	+10 58.3	1.260	2.184	14.2	19.0
9 8	0 3.22	+10 37.3	1.209	2.178	9.8	18.7
9 18	23 55.15	+ 9 53.2	1.180	2.173	5.6	18.5
9 28	23 46.62	+ 8 51.2	1.176	2.169	4.8	18.4
10 8	23 38.96	+ 7 40.6	1.196	2.165	8.6	18.7
10 18	23 33.33	+ 6 31.2	1.239	2.162	13.1	18.9
10 28	23 30.50	+ 5 32.3	1.302	2.160	17.2	19.2

263019 2007 EU_{199} 9 20.8 294°.98 0°.3/20.5 18

8 19	0 15.70	− 0 51.8	2.122	2.992	11.8	20.1
8 29	0 10.32	− 1 2.0	2.045	2.985	8.6	19.9
9 8	0 3.27	− 1 19.8	1.993	2.978	5.0	19.7
9 18	23 55.13	− 1 42.0	1.967	2.971	1.1	19.4
9 28	23 46.71	− 2 4.4	1.970	2.964	3.0	19.5
10 8	23 38.89	− 2 22.9	2.001	2.957	6.9	19.8
10 18	23 32.43	− 2 33.8	2.058	2.950	10.3	20.0
10 28	23 27.89	− 2 34.4	2.139	2.943	13.3	20.2

420639 2012 JZ_{4} 9 20.8 189°.70 12°.1/ 7.4 18

8 19	0 24.65	−35 1.8	1.917	2.765	13.8	21.2
8 29	0 17.12	−36 39.4	1.885	2.764	12.5	21.1
9 8	0 7.25	−37 56.6	1.876	2.762	12.1	21.1
9 18	23 55.99	−38 44.4	1.890	2.760	12.7	21.1
9 28	23 44.64	−38 57.1	1.927	2.757	14.0	21.2
10 8	23 34.47	−38 34.1	1.985	2.753	15.7	21.3
10 18	23 26.46	−37 39.0	2.060	2.749	17.4	21.5
10 28	23 21.23	−36 17.4	2.151	2.744	18.9	21.6

153111 2000 SR_{67} 9 20.8 39°.16 0°.8/20.2 16

8 19	0 14.45	+ 1 8.6	1.145	2.043	17.6	19.3
8 29	0 10.02	+ 0 13.9	1.112	2.066	12.6	19.1
9 8	0 3.22	− 0 56.2	1.100	2.090	7.1	18.8
9 18	23 55.09	− 2 13.2	1.111	2.115	1.5	18.6
9 28	23 46.99	− 3 26.4	1.146	2.140	4.5	18.8
10 8	23 40.22	− 4 26.5	1.205	2.167	9.6	19.2
10 18	23 35.67	− 5 7.5	1.287	2.194	14.1	19.6
10 28	23 33.87	− 5 26.7	1.388	2.221	17.7	19.9

364139 2006 CC_{68} 9 20.8 316°.41 6°.1/12.2 18

8 19	0 10.32	−15 1.2	2.069	2.969	10.8	20.1
8 29	0 6.52	−17 6.5	2.014	2.962	8.2	19.9
9 8	0 1.10	−19 11.3	1.984	2.955	6.3	19.8
9 18	23 54.65	−21 6.6	1.983	2.949	6.5	19.8
9 28	23 47.94	−22 43.7	2.009	2.943	8.5	19.9
10 8	23 41.82	−23 56.7	2.060	2.937	11.2	20.1
10 18	23 37.00	−24 42.8	2.134	2.931	13.7	20.3
10 28	23 34.05	−25 2.4	2.227	2.926	15.9	20.4

250844 2005 UX_{182} 9 20.8 209°.67 6°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.84	−22 0.2	2.412	3.290	10.2	20.7
8 29	0 10.95	−22 56.1	2.359	3.287	8.2	20.5
9 8	0 3.52	−23 44.6	2.331	3.284	6.8	20.4
9 18	23 55.17	−24 19.8	2.330	3.280	6.8	20.4
9 28	23 46.69	−24 37.1	2.356	3.276	8.2	20.5
10 8	23 38.88	−24 34.1	2.408	3.272	10.2	20.6
10 18	23 32.43	−24 10.8	2.483	3.268	12.4	20.8
10 28	23 27.85	−23 28.9	2.578	3.263	14.2	20.9

189819 2002 NC_{60} 9 20.8 229°.34 1°.4/18.9 18

8 19	0 11.81	− 3 17.9	2.639	3.513	9.6	20.6
8 29	0 7.23	− 4 5.4	2.562	3.506	6.9	20.4
9 8	0 1.37	− 4 58.9	2.511	3.498	3.9	20.2
9 18	23 54.70	− 5 54.4	2.488	3.490	1.4	20.0
9 28	23 47.83	− 6 47.2	2.495	3.482	3.3	20.1
10 8	23 41.40	− 7 32.8	2.531	3.474	6.4	20.3
10 18	23 36.00	− 8 7.8	2.594	3.466	9.2	20.5
10 28	23 32.10	− 8 30.0	2.680	3.457	11.7	20.6

97329 1999 XO_{243} 9 20.8 171°.91 5°.3/27.9 18

8 19	0 16.79	+20 23.7	3.047	3.796	11.5	19.3
8 29	0 10.77	+20 53.5	2.961	3.799	9.6	19.2
9 8	0 3.41	+21 8.1	2.897	3.802	7.7	19.1
9 18	23 55.17	+21 6.6	2.859	3.804	6.0	19.0
9 28	23 46.68	+20 50.1	2.850	3.805	5.3	18.9
10 8	23 38.61	+20 21.1	2.869	3.807	6.0	19.0
10 18	23 31.56	+19 43.7	2.917	3.807	7.7	19.1
10 28	23 26.02	+19 2.5	2.990	3.808	9.6	19.2

169626 2002 GL_{169} 9 20.8 207°.90 2°.4/22.9 18

8 19	0 17.54	+ 7 48.7	1.576	2.430	15.9	20.8
8 29	0 12.18	+ 7 28.6	1.502	2.427	12.2	20.5
9 8	0 4.57	+ 6 48.9	1.450	2.424	7.8	20.3
9 18	23 55.46	+ 5 52.5	1.422	2.420	3.5	20.0
9 28	23 45.96	+ 4 45.4	1.421	2.416	3.5	20.0
10 8	23 37.28	+ 3 36.1	1.447	2.412	7.9	20.3
10 18	23 30.44	+ 2 32.7	1.498	2.407	12.3	20.5
10 28	23 26.16	+ 1 42.0	1.570	2.402	16.1	20.8

73428 2002 LP_{45} 9 20.8 88°.62 0°.3/21.3 18

8 19	0 12.77	+ 2 48.2	2.284	3.145	11.4	20.4
8 29	0 8.00	+ 2 14.5	2.223	3.156	8.3	20.2
9 8	0 1.82	+ 1 30.5	2.185	3.167	4.9	20.0
9 18	23 54.81	+ 0 39.9	2.175	3.178	1.3	19.8
9 28	23 47.66	− 0 12.5	2.194	3.189	2.5	19.9
10 8	23 41.13	− 1 1.6	2.241	3.200	6.0	20.1
10 18	23 35.82	− 1 43.1	2.315	3.210	9.2	20.4
10 28	23 32.20	− 2 13.7	2.413	3.221	11.9	20.6

9510 Gurnemanz 9 20.8 137°.85 2°.6/17.6 18

8 19	0 11.75	− 5 48.2	2.236	3.122	10.6	18.6
8 29	0 7.34	− 6 55.4	2.174	3.123	7.6	18.4
9 8	0 1.49	− 8 7.8	2.137	3.125	4.4	18.2
9 18	23 54.74	− 9 19.7	2.128	3.126	2.6	18.1
9 28	23 47.82	−10 24.9	2.147	3.127	4.6	18.2
10 8	23 41.48	−11 18.1	2.194	3.128	7.8	18.4
10 18	23 36.35	−11 55.7	2.267	3.129	10.8	18.6
10 28	23 32.95	−12 16.1	2.362	3.131	13.3	18.8

482441 2012 DZ_{14} 9 20.8 191°.26 6°.2/11.5 18

8 19	0 14.52	−23 49.3	2.911	3.784	8.8	21.4
8 29	0 9.10	−24 56.9	2.862	3.782	7.2	21.3
9 8	0 2.41	−25 57.3	2.839	3.780	6.3	21.2
9 18	23 54.94	−26 45.3	2.843	3.778	6.5	21.2
9 28	23 47.34	−27 16.8	2.875	3.775	7.7	21.3
10 8	23 40.28	−27 29.5	2.933	3.771	9.4	21.4
10 18	23 34.32	−27 23.2	3.013	3.767	11.1	21.6
10 28	23 29.90	−26 58.9	3.114	3.763	12.6	21.7

253386 2003 KA_{13} 9 20.8 49°.59 1°.5/22.6 18

8 19	0 11.22	+ 7 34.1	1.959	2.812	13.3	20.2
8 29	0 7.12	+ 6 45.7	1.894	2.820	10.0	20.0
9 8	0 1.42	+ 5 40.7	1.852	2.829	6.2	19.8
9 18	23 54.73	+ 4 23.3	1.837	2.837	2.5	19.6
9 28	23 47.88	+ 2 59.8	1.849	2.846	2.7	19.6
10 8	23 41.71	+ 1 37.8	1.890	2.854	6.5	19.9
10 18	23 36.90	+ 0 23.8	1.957	2.863	10.0	20.1
10 28	23 33.98	− 0 36.7	2.047	2.872	13.1	20.3

131335 2001 HO_{34} 9 20.8 119°.22 0°.5/21.3 18

8 19	0 15.45	+ 3 15.7	2.094	2.953	12.4	20.4
8 29	0 10.02	+ 2 39.7	2.034	2.967	9.1	20.2
9 8	0 3.02	+ 1 52.1	1.998	2.980	5.3	20.0
9 18	23 55.09	+ 0 57.0	1.990	2.993	1.4	19.8
9 28	23 47.03	− 0 0.3	2.010	3.006	2.7	19.9
10 8	23 39.68	− 0 53.9	2.059	3.018	6.5	20.2
10 18	23 33.74	− 1 39.0	2.135	3.030	9.9	20.4
10 28	23 29.69	− 2 12.0	2.234	3.041	12.8	20.6

476056 2007 RN_{318} 9 20.8 12°.49 0°.8/20.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.54	− 0 55.8	1.208	2.109	16.6	20.7
8 29	0 9.53	− 1 15.1	1.158	2.113	12.1	20.5
9 8	0 3.09	− 1 46.8	1.128	2.118	6.9	20.2
9 18	23 55.13	− 2 25.1	1.121	2.125	1.5	19.9
9 28	23 46.95	− 3 2.1	1.138	2.133	4.4	20.1
10 8	23 39.89	− 3 30.2	1.180	2.143	9.6	20.4
10 18	23 34.97	− 3 44.3	1.243	2.153	14.2	20.7
10 28	23 32.83	− 3 41.2	1.326	2.165	18.0	21.0

88266 2001 KF_{48} 9 20.8 357°.83 1°.8/19.7 18

8 19	0 16.36	− 1 54.3	1.019	1.927	18.4	18.5
8 29	0 12.05	− 2 30.2	0.966	1.925	13.4	18.2
9 8	0 4.78	− 3 20.6	0.931	1.923	7.6	17.9
9 18	23 55.54	− 4 17.5	0.919	1.922	2.1	17.6
9 28	23 45.91	− 5 10.1	0.929	1.922	5.6	17.8
10 8	23 37.56	− 5 48.7	0.961	1.923	11.5	18.1
10 18	23 31.78	− 6 6.9	1.014	1.924	16.7	18.4
10 28	23 29.36	− 6 2.0	1.085	1.926	21.1	18.7

311923 2007 BW_{46} 9 20.8 220°.98 0°.5/20.2 18

8 19	0 13.71	− 0 39.8	2.801	3.663	9.5	22.4
8 29	0 8.57	− 1 13.3	2.716	3.652	6.9	22.2
9 8	0 2.15	− 1 53.7	2.657	3.642	3.9	22.0
9 18	23 54.91	− 2 38.0	2.627	3.630	0.9	21.7
9 28	23 47.44	− 3 22.1	2.627	3.619	2.6	21.9
10 8	23 40.38	− 4 2.0	2.656	3.606	5.7	22.1
10 18	23 34.32	− 4 34.3	2.713	3.594	8.6	22.2
10 28	23 29.71	− 4 56.5	2.795	3.580	11.0	22.4

315111 2007 EU_{37} 9 20.8 253°.64 0°.5/21.4 18

8 19	0 15.34	+ 1 53.2	2.232	3.093	11.6	20.4
8 29	0 9.97	+ 1 45.1	2.158	3.091	8.6	20.2
9 8	0 3.04	+ 1 27.8	2.108	3.090	5.1	20.0
9 18	23 55.11	+ 1 4.1	2.086	3.089	1.4	19.7
9 28	23 46.96	+ 0 37.7	2.092	3.087	2.6	19.8
10 8	23 39.39	+ 0 12.9	2.126	3.086	6.3	20.1
10 18	23 33.10	− 0 6.4	2.188	3.084	9.6	20.3
10 28	23 28.65	− 0 17.1	2.273	3.083	12.5	20.5

378244 2007 CN_{36} 9 20.8 287°.45 0°.1/20.9 18

8 19	0 16.26	+ 1 46.4	1.501	2.380	15.3	21.4
8 29	0 11.47	+ 1 20.5	1.420	2.363	11.3	21.1
9 8	0 4.29	+ 0 39.5	1.360	2.346	6.7	20.8
9 18	23 55.45	− 0 12.2	1.325	2.329	1.6	20.5
9 28	23 46.05	− 1 7.6	1.316	2.311	3.8	20.6
10 8	23 37.37	− 1 58.8	1.333	2.294	8.9	20.8
10 18	23 30.52	− 2 38.6	1.374	2.277	13.6	21.1
10 28	23 26.34	− 3 2.0	1.435	2.260	17.7	21.3

362268 2009 PT_{12} 9 20.8 35°.66 1°.6/22.2 18

8 19	0 16.58	+ 3 52.0	1.714	2.579	14.4	19.7
8 29	0 11.09	+ 4 0.2	1.662	2.595	10.7	19.5
9 8	0 3.73	+ 3 55.9	1.632	2.612	6.5	19.3
9 18	23 55.26	+ 3 41.5	1.628	2.629	2.4	19.1
9 28	23 46.68	+ 3 21.4	1.651	2.647	3.0	19.2
10 8	23 39.01	+ 3 0.7	1.701	2.665	7.0	19.5
10 18	23 33.04	+ 2 44.1	1.776	2.684	10.8	19.8
10 28	23 29.32	+ 2 35.4	1.874	2.703	14.0	20.0

190560 2000 SU_{86} 9 20.8 10°.73 0°.6/21.4 18

8 19	0 6.45	+ 7 31.6	1.136	2.027	18.2	18.5
8 29	0 4.51	+ 5 52.8	1.082	2.030	13.5	18.2
9 8	0 0.25	+ 3 44.6	1.048	2.034	8.0	17.9
9 18	23 54.52	+ 1 16.8	1.036	2.040	2.1	17.6
9 28	23 48.51	− 1 15.5	1.050	2.047	4.0	17.7
10 8	23 43.51	− 3 35.7	1.088	2.055	9.6	18.1
10 18	23 40.50	− 5 31.3	1.148	2.064	14.6	18.4
10 28	23 40.12	− 6 55.0	1.229	2.075	18.8	18.7

147510 2004 DR_{9} 9 20.8 175°.01 4°.4/16.5 18

8 19	0 16.87	− 9 11.0	1.717	2.609	12.9	20.3
8 29	0 11.43	−10 30.2	1.660	2.611	9.4	20.1
9 8	0 4.01	−11 52.9	1.628	2.613	5.9	19.9
9 18	23 55.34	−13 11.0	1.622	2.614	4.5	19.8
9 28	23 46.46	−14 15.9	1.643	2.614	6.8	20.0
10 8	23 38.42	−15 1.3	1.691	2.615	10.4	20.2
10 18	23 32.09	−15 24.3	1.762	2.614	13.8	20.4
10 28	23 28.10	−15 24.5	1.853	2.614	16.7	20.6

469680 2004 XC_{92} 9 20.8 317°.25 6°.0/16.3 18

8 19	0 15.98	−11 35.6	1.320	2.228	15.0	20.5
8 29	0 11.73	−12 31.4	1.235	2.192	11.2	20.2
9 8	0 4.71	−13 31.0	1.171	2.157	7.5	19.9
9 18	23 55.60	−14 25.1	1.131	2.122	6.1	19.7
9 28	23 45.65	−15 2.9	1.114	2.088	8.9	19.7
10 8	23 36.37	−15 16.2	1.121	2.054	13.5	19.9
10 18	23 29.15	−15 1.0	1.148	2.021	18.1	20.1
10 28	23 25.02	−14 17.4	1.192	1.989	22.2	20.2

505554 2014 AW_2 9 20.8 186°.33 0°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.04	+ 0 47.5	2.029	2.894	12.4	22.1
8 29	0 11.33	+ 0 18.5	1.957	2.894	9.1	21.9
9 8	0 3.88	− 0 20.6	1.909	2.893	5.3	21.6
9 18	23 55.32	− 1 5.9	1.889	2.892	1.1	21.4
9 28	23 46.51	− 1 52.1	1.897	2.891	3.1	21.5
10 8	23 38.38	− 2 33.6	1.933	2.889	7.1	21.8
10 18	23 31.69	− 3 6.0	1.996	2.887	10.7	22.0
10 28	23 27.04	− 3 25.8	2.082	2.884	13.8	22.2

97609 2000 EY_{85} 9 20.8 289°.98 2°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.05	− 4 41.1	1.848	2.732	12.6	18.9
8 29	0 10.75	− 5 14.6	1.781	2.729	9.1	18.6
9 8	0 3.60	− 5 54.3	1.738	2.726	5.2	18.4
9 18	23 55.26	− 6 35.0	1.722	2.723	2.1	18.2
9 28	23 46.68	− 7 10.7	1.733	2.721	4.4	18.4
10 8	23 38.83	− 7 36.3	1.771	2.718	8.3	18.6
10 18	23 32.55	− 7 48.2	1.835	2.715	12.0	18.8
10 28	23 28.42	− 7 44.7	1.919	2.713	15.1	19.0

339457 2005 EG_{202} 9 20.8 172°.56 5°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.90	−17 32.3	2.144	3.025	11.2	20.8
8 29	0 13.26	−18 19.6	2.090	3.028	8.5	20.6
9 8	0 4.91	−19 1.7	2.061	3.030	6.4	20.5
9 18	23 55.54	−19 32.7	2.059	3.031	5.9	20.4
9 28	23 46.05	−19 47.4	2.086	3.032	7.5	20.5
10 8	23 37.36	−19 43.1	2.139	3.033	10.0	20.7
10 18	23 30.23	−19 19.6	2.216	3.033	12.6	20.9
10 28	23 25.19	−18 38.3	2.314	3.033	14.9	21.1

107077 2001 AO_{21} 9 20.8 318°.34 0°.7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.81	+ 2 18.3	1.511	2.388	15.2	19.3
8 29	0 11.05	+ 2 9.8	1.435	2.377	11.3	19.1
9 8	0 4.01	+ 1 47.5	1.381	2.365	6.8	18.8
9 18	23 55.40	+ 1 14.8	1.351	2.354	1.9	18.4
9 28	23 46.32	+ 0 37.4	1.347	2.344	3.5	18.5
10 8	23 38.02	+ 0 2.2	1.369	2.333	8.4	18.8
10 18	23 31.54	− 0 24.7	1.415	2.324	13.0	19.0
10 28	23 27.66	− 0 38.6	1.482	2.314	16.9	19.3

319504 2006 QU_{113} 9 20.8 10°.12 2°.0/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.41	+ 1 4.3	0.887	1.808	19.1	19.5
8 29	0 4.90	− 0 24.7	0.844	1.810	13.7	19.2
9 8	0 0.64	− 2 16.4	0.820	1.814	7.7	18.9
9 18	23 54.63	− 4 18.2	0.816	1.820	2.1	18.6
9 28	23 48.35	− 6 13.5	0.834	1.828	6.1	18.9
10 8	23 43.32	− 7 47.0	0.874	1.837	12.0	19.3
10 18	23 40.65	− 8 49.8	0.933	1.849	17.2	19.6
10 28	23 41.00	− 9 18.4	1.009	1.862	21.4	19.9

313164 2001 FB_{29} 9 20.8 264°.37 3°.5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.01	−12 22.6	2.459	3.332	10.3	20.6
8 29	0 14.04	−12 36.2	2.374	3.314	7.6	20.4
9 8	0 5.40	−12 48.3	2.316	3.296	4.9	20.2
9 18	23 55.68	−12 54.7	2.286	3.277	3.5	20.1
9 28	23 45.67	−12 51.6	2.287	3.258	5.1	20.2
10 8	23 36.21	−12 36.5	2.316	3.239	8.0	20.3
10 18	23 28.07	−12 8.2	2.373	3.220	10.9	20.5
10 28	23 21.82	−11 27.0	2.453	3.200	13.4	20.7

192575 1998 XM_{20} 9 20.9 306°.61 1°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.17	+ 5 32.7	2.204	3.058	12.0	20.1
8 29	0 7.79	+ 5 14.2	2.120	3.047	9.0	19.9
9 8	0 1.85	+ 4 42.9	2.060	3.037	5.7	19.6
9 18	23 54.89	+ 4 1.5	2.026	3.026	2.2	19.4
9 28	23 47.63	+ 3 14.0	2.020	3.016	2.6	19.4
10 8	23 40.88	+ 2 25.9	2.043	3.006	6.1	19.6
10 18	23 35.35	+ 1 42.1	2.092	2.996	9.6	19.8
10 28	23 31.59	+ 1 7.2	2.164	2.986	12.6	20.0

41112 1999 VP_{82} 9 20.9 311°.53 4°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.20	−11 11.7	2.047	2.942	11.1	18.4
8 29	0 7.86	−12 23.1	1.983	2.934	8.1	18.2
9 8	0 1.90	−13 36.0	1.945	2.927	5.4	18.0
9 18	23 54.89	−14 43.8	1.933	2.920	4.5	18.0
9 28	23 47.66	−15 39.6	1.949	2.914	6.5	18.1
10 8	23 41.04	−16 18.3	1.991	2.907	9.5	18.2
10 18	23 35.76	−16 37.3	2.057	2.901	12.5	18.4
10 28	23 32.39	−16 35.8	2.143	2.894	15.0	18.6

155166 2005 UU_{151} 9 20.9 332°.18 1°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.86	+ 5 19.7	2.086	2.942	12.5	20.4
8 29	0 8.30	+ 4 53.7	2.012	2.941	9.3	20.2
9 8	0 2.14	+ 4 14.4	1.962	2.940	5.8	20.0
9 18	23 54.96	+ 3 24.8	1.938	2.939	2.1	19.7
9 28	23 47.54	+ 2 29.9	1.942	2.938	2.6	19.8
10 8	23 40.72	+ 1 35.6	1.974	2.937	6.3	20.0
10 18	23 35.20	+ 0 47.2	2.032	2.936	9.9	20.2
10 28	23 31.56	+ 0 9.2	2.114	2.935	12.9	20.4

398633 2012 CH_{26} 9 20.9 331°.01 0°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.66	+ 0 38.1	2.090	2.960	11.9	20.9
8 29	0 8.85	+ 0 9.7	2.019	2.959	8.7	20.7
9 8	0 2.45	− 0 28.3	1.972	2.958	5.0	20.5
9 18	23 55.03	− 1 12.1	1.953	2.956	1.1	20.2
9 28	23 47.39	− 1 56.7	1.961	2.955	2.9	20.3
10 8	23 40.36	− 2 36.8	1.997	2.954	6.8	20.6
10 18	23 34.66	− 3 8.0	2.060	2.953	10.3	20.8
10 28	23 30.83	− 3 27.2	2.145	2.953	13.2	21.0

266404 2007 EG_{219} 9 20.9 340°.40 1°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.93	− 3 42.4	1.994	2.877	11.9	20.1
8 29	0 9.12	− 4 10.3	1.925	2.872	8.6	19.9
9 8	0 2.63	− 4 44.6	1.880	2.868	4.9	19.7
9 18	23 55.08	− 5 20.8	1.862	2.865	1.6	19.4
9 28	23 47.28	− 5 53.7	1.871	2.861	3.9	19.6
10 8	23 40.14	− 6 18.5	1.908	2.858	7.6	19.8
10 18	23 34.39	− 6 31.6	1.970	2.855	11.1	20.0
10 28	23 30.60	− 6 31.1	2.055	2.853	14.0	20.2

322957 2002 JB_{88} 9 20.9 100°.00 3°.0/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.03	+ 9 33.8	1.481	2.332	17.0	21.1
8 29	0 12.47	+ 9 12.1	1.425	2.346	13.0	20.9
9 8	0 4.68	+ 8 28.6	1.389	2.360	8.5	20.7
9 18	23 55.54	+ 7 26.8	1.378	2.374	4.2	20.4
9 28	23 46.22	+ 6 13.7	1.393	2.388	3.8	20.5
10 8	23 37.93	+ 4 58.3	1.435	2.401	7.8	20.7
10 18	23 31.63	+ 3 49.2	1.501	2.414	12.0	21.0
10 28	23 27.94	+ 2 53.3	1.590	2.427	15.7	21.3

452444 2003 SQ_{111} 9 20.9 314°.55 8°.3/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.82	−24 13.2	1.933	2.803	12.7	20.5
8 29	0 18.21	−24 41.4	1.844	2.766	10.5	20.3
9 8	0 8.14	−24 58.4	1.778	2.728	8.7	20.1
9 18	23 56.38	−24 56.2	1.738	2.691	8.5	20.0
9 28	23 44.05	−24 28.6	1.725	2.653	10.1	20.1
10 8	23 32.48	−23 33.1	1.738	2.616	12.9	20.1
10 18	23 22.77	−22 11.5	1.775	2.579	15.8	20.3
10 28	23 15.74	−20 27.6	1.832	2.542	18.5	20.4

47075 1998 YB 9 20.9 257°.96 0°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.37	+ 1 6.1	2.544	3.407	10.3	18.9
8 29	0 7.75	+ 0 35.6	2.460	3.396	7.5	18.8
9 8	0 1.76	− 0 3.6	2.401	3.384	4.4	18.5
9 18	23 54.89	− 0 48.4	2.369	3.373	1.0	18.3
9 28	23 47.78	− 1 34.6	2.367	3.361	2.5	18.4
10 8	23 41.10	− 2 17.6	2.393	3.349	5.9	18.6
10 18	23 35.48	− 2 53.5	2.447	3.337	9.0	18.8
10 28	23 31.41	− 3 19.2	2.525	3.325	11.7	18.9

77144 2001 EC_5 9 20.9 23°.02 3°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.52	− 3 29.6	1.475	2.376	14.2	18.7
8 29	0 7.05	− 5 22.2	1.423	2.380	10.0	18.5
9 8	0 1.58	− 7 26.2	1.395	2.386	5.8	18.3
9 18	23 54.86	− 9 31.0	1.392	2.391	3.4	18.1
9 28	23 47.93	−11 24.7	1.416	2.397	6.4	18.3
10 8	23 41.87	−12 57.3	1.466	2.404	10.5	18.6
10 18	23 37.53	−14 3.1	1.539	2.411	14.4	18.9
10 28	23 35.50	−14 40.4	1.631	2.419	17.6	19.1

290920 2005 WQ_{118} 9 20.9 260°.54 3°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.90	+10 53.4	2.220	3.046	12.9	20.4
8 29	0 9.78	+11 0.3	2.138	3.042	10.1	20.2
9 8	0 3.03	+10 52.1	2.078	3.037	7.0	20.0
9 18	23 55.19	+10 29.6	2.045	3.033	4.2	19.8
9 28	23 47.06	+ 9 55.8	2.039	3.029	3.7	19.8
10 8	23 39.46	+ 9 15.1	2.062	3.024	6.2	20.0
10 18	23 33.15	+ 8 33.0	2.111	3.020	9.3	20.1
10 28	23 28.71	+ 7 54.7	2.185	3.015	12.2	20.3

50552 2000 EV_{20} 9 20.9 63°.11 4°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.80	+14 46.5	1.817	2.638	15.5	18.6
8 29	0 9.19	+14 36.9	1.749	2.646	12.4	18.4
9 8	0 2.74	+14 5.0	1.702	2.653	8.9	18.2
9 18	23 55.13	+13 12.3	1.679	2.661	5.8	18.0
9 28	23 47.27	+12 3.3	1.682	2.669	4.7	18.0
10 8	23 40.17	+10 45.5	1.713	2.677	7.0	18.1
10 18	23 34.63	+ 9 26.8	1.769	2.685	10.3	18.3
10 28	23 31.26	+ 8 14.9	1.849	2.693	13.5	18.6

38665 2000 OC_{52} 9 20.9 346°.08 2°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.59	− 1 3.8	1.098	2.012	16.8	17.5
8 29	0 5.58	− 2 13.5	1.035	1.998	12.2	17.2
9 8	0 1.05	− 3 41.6	0.993	1.986	6.9	16.9
9 18	23 54.79	− 5 18.7	0.972	1.975	2.3	16.6
9 28	23 48.07	− 6 52.0	0.975	1.966	5.9	16.8
10 8	23 42.29	− 8 8.9	1.000	1.959	11.4	17.1
10 18	23 38.61	− 9 0.6	1.045	1.953	16.5	17.3
10 28	23 37.83	− 9 23.1	1.108	1.949	20.7	17.6

513853 2013 GX_{97} 9 20.9 130°.44 1°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.94	− 2 38.4	2.652	3.519	9.8	22.0
8 29	0 9.39	− 3 6.6	2.592	3.531	7.0	21.8
9 8	0 2.60	− 3 40.0	2.558	3.543	4.0	21.7
9 18	23 55.07	− 4 15.2	2.552	3.555	1.1	21.5
9 28	23 47.44	− 4 48.3	2.576	3.566	2.9	21.6
10 8	23 40.37	− 5 15.7	2.629	3.577	5.9	21.8
10 18	23 34.42	− 5 34.6	2.710	3.587	8.7	22.0
10 28	23 30.02	− 5 43.2	2.815	3.598	11.0	22.2

258571 2002 CA_{125} 9 20.9 165°.73 1°.9/19.2 18

8 19	0 17.19	− 1 38.1	1.482	2.368	15.0	20.5
8 29	0 11.93	− 2 42.9	1.422	2.371	10.8	20.2
9 8	0 4.44	− 4 0.0	1.384	2.373	6.1	20.0
9 18	23 55.52	− 5 21.8	1.372	2.375	2.0	19.7
9 28	23 46.33	− 6 38.9	1.387	2.376	5.0	19.9
10 8	23 38.07	− 7 42.6	1.427	2.377	9.6	20.2
10 18	23 31.75	− 8 27.1	1.492	2.378	13.9	20.4
10 28	23 28.02	− 8 49.6	1.577	2.379	17.4	20.7

371353 2006 LX 9 20.9 28°.06 4°.8/24.1 16

8 19	0 15.34	+ 9 45.3	0.968	1.850	21.4	20.6
8 29	0 11.26	+10 4.1	0.927	1.863	16.6	20.4
9 8	0 4.27	+ 9 54.8	0.902	1.877	11.2	20.1
9 18	23 55.48	+ 9 19.6	0.898	1.893	6.2	19.9
9 28	23 46.51	+ 8 26.0	0.916	1.910	5.3	20.0
10 8	23 38.99	+ 7 25.1	0.956	1.928	9.7	20.3
10 18	23 34.09	+ 6 28.0	1.017	1.948	14.5	20.6
10 28	23 32.47	+ 5 43.9	1.097	1.968	18.7	20.9

488064 2015 UV_{65} 9 20.9 354°.75 5°.0/15.5 18

8 19	0 8.50	− 8 59.4	1.520	2.431	13.2	19.8
8 29	0 5.61	−10 36.2	1.465	2.425	9.5	19.6
9 8	0 0.78	−12 18.2	1.432	2.420	6.1	19.4
9 18	23 54.70	−13 55.6	1.425	2.416	5.1	19.3
9 28	23 48.35	−15 18.2	1.443	2.413	7.7	19.5
10 8	23 42.79	−16 18.2	1.486	2.412	11.4	19.7
10 18	23 38.85	−16 51.5	1.550	2.411	14.9	19.9
10 28	23 37.16	−16 57.7	1.634	2.412	17.9	20.1

461211 2015 VK_{128} 9 20.9 273°.00 4°.5/26.2 18

8 19	0 13.07	+15 30.7	2.298	3.102	13.2	20.8
8 29	0 8.46	+15 33.2	2.211	3.095	10.7	20.7
9 8	0 2.27	+15 17.5	2.146	3.088	8.0	20.5
9 18	23 55.04	+14 44.3	2.106	3.081	5.4	20.3
9 28	23 47.50	+13 56.0	2.093	3.075	4.6	20.2
10 8	23 40.46	+12 57.6	2.108	3.068	6.3	20.3
10 18	23 34.63	+11 55.0	2.150	3.061	9.0	20.5
10 28	23 30.61	+10 54.5	2.217	3.054	11.8	20.7

506926 2008 FF_{10} 9 20.9 138°.26 0°.9/20.0 17

8 19	0 18.02	− 0 12.2	1.703	2.578	14.0	22.3
8 29	0 12.23	− 1 0.3	1.645	2.588	10.1	22.1
9 8	0 4.48	− 1 59.6	1.610	2.597	5.7	21.9
9 18	23 55.52	− 3 4.3	1.602	2.606	1.3	21.6
9 28	23 46.39	− 4 7.0	1.621	2.614	3.9	21.8
10 8	23 38.14	− 5 0.8	1.668	2.621	8.2	22.1
10 18	23 31.63	− 5 40.5	1.740	2.628	12.1	22.3
10 28	23 27.46	− 6 3.3	1.834	2.635	15.4	22.6

360051 2013 AQ_{74} 9 20.9 267°.91 4°.0/24.5 16

8 19	0 17.14	+11 15.4	2.019	2.845	14.0	21.5
8 29	0 11.68	+11 31.6	1.926	2.829	11.1	21.3
9 8	0 4.28	+11 31.4	1.855	2.813	7.8	21.0
9 18	23 55.52	+11 15.1	1.810	2.797	4.8	20.8
9 28	23 46.27	+10 44.9	1.792	2.781	4.2	20.8
10 8	23 37.53	+10 5.7	1.802	2.764	7.0	20.9
10 18	23 30.21	+ 9 23.4	1.839	2.747	10.4	21.1
10 28	23 25.03	+ 8 44.1	1.899	2.730	13.7	21.3

296786 2009 UX_{153} 9 20.9 324°.76 1°.0/18.9 17

8 19	0 6.89	− 3 59.6	3.874	4.747	6.9	20.3
8 29	0 3.39	− 4 33.4	3.798	4.741	4.9	20.2
9 8	23 59.09	− 5 10.6	3.749	4.735	2.8	20.0
9 18	23 54.30	− 5 48.7	3.728	4.730	1.0	19.9
9 28	23 49.38	− 6 24.9	3.737	4.724	2.3	20.0
10 8	23 44.75	− 6 56.6	3.776	4.719	4.5	20.1
10 18	23 40.76	− 7 21.7	3.843	4.714	6.5	20.3
10 28	23 37.73	− 7 38.5	3.934	4.709	8.3	20.4

480321 2015 HR_{178} 9 20.9 53°.08 1°.1/19.8 16

8 19	0 14.88	− 0 18.0	1.488	2.375	14.9	21.0
8 29	0 10.18	− 1 10.6	1.434	2.382	10.8	20.7
9 8	0 3.38	− 2 15.8	1.401	2.390	6.1	20.5
9 18	23 55.29	− 3 26.8	1.394	2.398	1.5	20.2
9 28	23 47.00	− 4 35.1	1.413	2.406	4.3	20.4
10 8	23 39.66	− 5 32.8	1.459	2.414	8.9	20.7
10 18	23 34.16	− 6 14.0	1.528	2.423	13.1	21.0
10 28	23 31.12	− 6 35.7	1.617	2.431	16.5	21.3

212503 2006 RS_{7} 9 20.9 29°.59 0°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.71	+ 2 1.8	1.468	2.353	15.2	19.7
8 29	0 8.60	+ 1 18.4	1.417	2.363	11.1	19.5
9 8	0 2.45	+ 0 20.3	1.387	2.374	6.4	19.3
9 18	23 55.08	− 0 46.2	1.382	2.386	1.4	19.0
9 28	23 47.54	− 1 53.3	1.403	2.399	3.6	19.2
10 8	23 40.94	− 2 52.7	1.450	2.412	8.3	19.5
10 18	23 36.14	− 3 38.2	1.521	2.425	12.5	19.8
10 28	23 33.70	− 4 6.0	1.612	2.440	15.9	20.0

322605 2012 BO_{96} 9 20.9 289°.50 2°.4/25.6 18

8 19	0 8.50	+13 8.1	4.451	5.244	7.5	20.6
8 29	0 4.48	+13 13.6	4.361	5.241	5.9	20.5
9 8	23 59.70	+13 10.6	4.296	5.238	4.3	20.3
9 18	23 54.44	+12 59.8	4.259	5.236	2.9	20.2
9 28	23 49.05	+12 42.4	4.251	5.233	2.5	20.2
10 8	23 43.91	+12 20.4	4.273	5.230	3.5	20.3
10 18	23 39.34	+11 56.0	4.324	5.227	5.1	20.4
10 28	23 35.66	+11 31.8	4.402	5.224	6.7	20.5

298589 2003 YL_{56} 9 20.9 247°.18 1°.3/22.4 18

8 19	0 14.83	+ 6 2.4	2.284	3.129	11.9	21.3
8 29	0 9.75	+ 5 34.0	2.189	3.112	9.0	21.1
9 8	0 3.05	+ 4 52.0	2.119	3.094	5.7	20.8
9 18	23 55.23	+ 3 58.9	2.076	3.076	2.2	20.6
9 28	23 47.05	+ 2 59.2	2.062	3.057	2.6	20.6
10 8	23 39.31	+ 1 58.5	2.076	3.038	6.2	20.8
10 18	23 32.78	+ 1 2.6	2.119	3.018	9.7	21.0
10 28	23 28.05	+ 0 16.3	2.185	2.997	12.8	21.1

255385 2005 WR_{151} 9 20.9 286°.88 3°.2/17.4 18

8 19	0 14.28	− 8 30.7	2.133	3.020	11.0	20.3
8 29	0 9.40	− 9 16.5	2.054	3.003	8.0	20.1
9 8	0 2.84	−10 5.6	2.000	2.986	4.9	19.9
9 18	23 55.18	−10 52.8	1.974	2.969	3.2	19.8
9 28	23 47.21	−11 32.1	1.975	2.953	5.2	19.9
10 8	23 39.78	−11 58.9	2.004	2.936	8.5	20.0
10 18	23 33.66	−12 10.0	2.057	2.919	11.7	20.2
10 28	23 29.44	−12 4.1	2.133	2.902	14.5	20.4

430476 2001 SO_{93} 9 20.9 44°.07 0°.7/21.4 16

8 19	0 18.08	+ 2 21.9	1.221	2.107	17.6	21.0
8 29	0 12.73	+ 2 10.4	1.178	2.124	12.9	20.7
9 8	0 4.91	+ 1 43.1	1.155	2.141	7.6	20.5
9 18	23 55.63	+ 1 5.2	1.156	2.159	2.1	20.2
9 28	23 46.27	+ 0 24.0	1.181	2.177	3.8	20.4
10 8	23 38.20	− 0 12.5	1.231	2.196	9.0	20.8
10 18	23 32.40	− 0 38.2	1.304	2.216	13.6	21.1
10 28	23 29.49	− 0 49.1	1.397	2.235	17.3	21.4

389032 2008 UH_{325} 9 20.9 347°.40 1°.8/22.3 18

8 19	0 13.57	+ 5 28.0	1.404	2.280	16.3	20.3
8 29	0 9.51	+ 5 13.2	1.336	2.274	12.3	20.0
9 8	0 3.16	+ 4 39.8	1.288	2.269	7.7	19.8
9 18	23 55.28	+ 3 51.4	1.264	2.265	2.9	19.5
9 28	23 47.01	+ 2 54.5	1.265	2.262	3.5	19.5
10 8	23 39.59	+ 1 57.6	1.291	2.259	8.3	19.8
10 18	23 34.06	+ 1 8.6	1.341	2.257	12.9	20.1
10 28	23 31.16	+ 0 33.8	1.412	2.256	16.9	20.3

518337 2017 BM_{134} 9 20.9 280°.50 5°.5/13.7 18

8 19	0 12.10	−15 42.0	2.274	3.167	10.2	21.0
8 29	0 7.71	−17 4.1	2.212	3.157	7.7	20.9
9 8	0 1.81	−18 24.6	2.176	3.148	5.8	20.7
9 18	23 54.94	−19 36.6	2.168	3.139	5.7	20.7
9 28	23 47.85	−20 33.7	2.186	3.129	7.4	20.8
10 8	23 41.30	−21 11.5	2.231	3.120	9.9	21.0
10 18	23 36.00	−21 28.1	2.299	3.111	12.4	21.1
10 28	23 32.45	−21 23.5	2.387	3.102	14.6	21.3

466297 2013 QR 9 20.9 62°.35 1°.1/21.8 17

8 19	0 15.10	+ 6 6.1	1.254	2.132	17.7	21.1
8 29	0 10.61	+ 5 10.7	1.203	2.144	13.1	20.8
9 8	0 3.74	+ 3 53.1	1.173	2.156	7.9	20.6
9 18	23 55.39	+ 2 19.9	1.166	2.168	2.5	20.3
9 28	23 46.87	+ 0 41.8	1.184	2.181	3.7	20.4
10 8	23 39.48	− 0 49.5	1.228	2.194	8.9	20.8
10 18	23 34.22	− 2 4.8	1.295	2.207	13.7	21.1
10 28	23 31.73	− 2 58.3	1.383	2.220	17.6	21.4

259709 2003 YP_{47} 9 20.9 340°.37 6°.2/25.5 17 R

8 19	0 14.03	+13 27.5	1.191	2.047	19.9	19.3
8 29	0 10.32	+13 50.8	1.121	2.038	16.1	19.1
9 8	0 3.87	+13 46.0	1.069	2.031	11.7	18.8
9 18	23 55.48	+13 12.3	1.038	2.024	7.6	18.6
9 28	23 46.50	+12 13.9	1.030	2.019	6.4	18.5
10 8	23 38.47	+11 0.1	1.044	2.014	9.6	18.6
10 18	23 32.68	+ 9 42.6	1.081	2.010	14.1	18.9
10 28	23 30.02	+ 8 32.8	1.138	2.007	18.3	19.1

94597 2001 VT_{72} 9 20.9 127°.35 0°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.07	+ 1 8.8	1.783	2.652	13.7	19.9
8 29	0 12.21	+ 0 36.3	1.724	2.662	10.0	19.7
9 8	0 4.46	− 0 7.5	1.688	2.673	5.8	19.4
9 18	23 55.55	− 0 58.0	1.679	2.683	1.3	19.1
9 28	23 46.49	− 1 49.1	1.698	2.692	3.3	19.3
10 8	23 38.27	− 2 34.4	1.744	2.701	7.6	19.6
10 18	23 31.73	− 3 9.0	1.816	2.710	11.4	19.9
10 28	23 27.44	− 3 29.6	1.911	2.718	14.6	20.1

200089 1993 FY_{9} 9 20.9 175°.76 1°.3/19.6 18

8 19	0 15.53	− 1 40.5	1.989	2.864	12.2	21.1
8 29	0 10.29	− 2 27.9	1.922	2.866	8.8	20.9
9 8	0 3.33	− 3 24.2	1.880	2.867	5.0	20.7
9 18	23 55.31	− 4 24.2	1.865	2.868	1.4	20.4
9 28	23 47.06	− 5 21.7	1.878	2.868	3.7	20.6
10 8	23 39.50	− 6 10.7	1.919	2.868	7.6	20.8
10 18	23 33.37	− 6 46.8	1.986	2.868	11.1	21.1
10 28	23 29.25	− 7 7.4	2.075	2.868	14.1	21.3

279469 2010 UW_{86} 9 20.9 64°.85 1°.9/22.7 18

8 19	0 16.58	+ 5 39.6	2.047	2.896	13.0	20.0
8 29	0 10.99	+ 5 44.4	1.981	2.904	9.8	19.8
9 8	0 3.71	+ 5 37.0	1.938	2.912	6.2	19.6
9 18	23 55.39	+ 5 19.3	1.922	2.920	2.7	19.4
9 28	23 46.88	+ 4 54.8	1.934	2.928	2.9	19.5
10 8	23 39.06	+ 4 28.2	1.974	2.937	6.3	19.7
10 18	23 32.68	+ 4 4.1	2.040	2.945	9.8	19.9
10 28	23 28.30	+ 3 46.5	2.131	2.953	12.7	20.1

177620 2004 HC_{58} 9 20.9 256°.85 0°.4/21.3 18

8 19	0 13.80	+ 2 43.8	2.033	2.898	12.4	21.3
8 29	0 9.06	+ 2 11.8	1.958	2.894	9.2	21.1
9 8	0 2.65	+ 1 27.8	1.906	2.889	5.4	20.8
9 18	23 55.17	+ 0 35.6	1.882	2.885	1.4	20.6
9 28	23 47.41	− 0 19.5	1.885	2.880	2.8	20.7
10 8	23 40.26	− 1 11.5	1.916	2.876	6.8	20.9
10 18	23 34.46	− 1 55.1	1.974	2.871	10.4	21.1
10 28	23 30.59	− 2 26.3	2.054	2.867	13.5	21.3

431349 2007 BU_{77} 9 20.9 140°.99 0°.4/21.3 15

8 19	0 17.40	+ 3 0.0	1.849	2.712	13.6	22.5
8 29	0 11.70	+ 2 25.9	1.786	2.721	10.0	22.3
9 8	0 4.17	+ 1 39.0	1.747	2.729	5.9	22.1
9 18	23 55.50	+ 0 43.5	1.734	2.737	1.5	21.8
9 28	23 46.64	− 0 14.5	1.749	2.744	3.0	21.9
10 8	23 38.58	− 1 8.4	1.792	2.751	7.2	22.2
10 18	23 32.11	− 1 52.7	1.861	2.758	11.0	22.4
10 28	23 27.83	− 2 23.6	1.953	2.764	14.2	22.7

387391 2013 AZ_{156} 9 20.9 51°.85 0°.2/21.3 17

8 19	0 6.12	+ 2 36.8	4.237	5.088	6.8	20.9
8 29	0 2.79	+ 2 3.0	4.160	5.090	4.9	20.7
9 8	23 58.74	+ 1 23.5	4.110	5.091	2.9	20.6
9 18	23 54.25	+ 0 40.3	4.089	5.092	0.8	20.4
9 28	23 49.67	− 0 4.1	4.098	5.093	1.5	20.5
10 8	23 45.36	− 0 47.2	4.137	5.094	3.6	20.7
10 18	23 41.62	− 1 26.4	4.205	5.095	5.5	20.8
10 28	23 38.74	− 1 59.6	4.299	5.096	7.3	20.9

215435 2002 LW_{8} 9 20.9 29°.44 2°.2/22.6 18

8 19	0 11.27	+ 7 50.8	0.927	1.823	20.9	19.4
8 29	0 8.26	+ 7 6.3	0.892	1.840	15.6	19.1
9 8	0 2.51	+ 5 53.1	0.874	1.858	9.7	18.9
9 18	23 55.14	+ 4 19.4	0.877	1.878	3.7	18.6
9 28	23 47.68	+ 2 38.0	0.901	1.899	4.1	18.7
10 8	23 41.63	+ 1 3.3	0.949	1.922	9.7	19.1
10 18	23 38.05	− 0 13.4	1.017	1.945	14.8	19.5
10 28	23 37.49	− 1 5.6	1.104	1.970	19.1	19.9

130260 2000 DP_{38} 9 20.9 289°.77 2°.3/17.8 18

8 19	0 10.47	− 4 15.5	2.286	3.170	10.5	19.4
8 29	0 6.49	− 5 34.8	2.217	3.166	7.5	19.2
9 8	0 1.11	− 7 1.2	2.173	3.161	4.3	19.0
9 18	23 54.83	− 8 28.9	2.158	3.157	2.3	18.8
9 28	23 48.33	− 9 51.2	2.172	3.153	4.4	19.0
10 8	23 42.35	−11 1.8	2.213	3.149	7.6	19.2
10 18	23 37.52	−11 56.7	2.281	3.145	10.6	19.4
10 28	23 34.34	−12 33.4	2.371	3.141	13.2	19.5

356418 2010 UT_{48} 9 20.9 239°.73 1°.0/18.7 15

8 19	0 6.72	− 5 8.4	4.645	5.516	5.8	21.6
8 29	0 3.17	− 5 36.6	4.568	5.510	4.2	21.5
9 8	23 58.95	− 6 7.0	4.518	5.504	2.4	21.3
9 18	23 54.32	− 6 37.7	4.497	5.498	1.0	21.2
9 28	23 49.59	− 7 6.5	4.507	5.492	2.1	21.3
10 8	23 45.10	− 7 31.3	4.547	5.486	3.9	21.4
10 18	23 41.14	− 7 50.5	4.614	5.480	5.6	21.6
10 28	23 37.97	− 8 2.7	4.707	5.474	7.1	21.7

363269 2002 GD_{4} 9 20.9 105°.59 4°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.58	−13 6.5	2.487	3.375	9.6	21.3
8 29	0 7.82	−14 53.4	2.448	3.394	7.1	21.1
9 8	0 1.77	−16 39.1	2.437	3.412	5.1	21.0
9 18	23 54.96	−18 16.6	2.454	3.429	4.8	21.0
9 28	23 48.06	−19 39.6	2.501	3.446	6.5	21.2
10 8	23 41.76	−20 43.8	2.576	3.463	8.8	21.4
10 18	23 36.62	−21 27.2	2.675	3.480	11.0	21.5
10 28	23 33.07	−21 50.0	2.795	3.496	12.9	21.7

362564 2010 VZ_{69} 9 20.9 32°.89 4°.2/17.1 18

8 19	0 16.50	−11 28.2	1.875	2.766	12.1	20.4
8 29	0 11.00	−12 4.4	1.823	2.772	8.8	20.2
9 8	0 3.74	−12 40.1	1.795	2.779	5.6	20.0
9 18	23 55.42	−13 9.6	1.794	2.785	4.2	20.0
9 28	23 46.99	−13 27.3	1.819	2.792	6.1	20.1
10 8	23 39.39	−13 29.7	1.872	2.799	9.3	20.3
10 18	23 33.38	−13 15.5	1.948	2.807	12.4	20.5
10 28	23 29.50	−12 44.9	2.045	2.814	15.1	20.7

278248 2007 EZ_{167} 9 20.9 47°.70 2°.5/19.0 16

8 19	0 18.19	− 4 39.6	1.324	2.220	15.8	20.6
8 29	0 12.63	− 5 15.2	1.284	2.238	11.3	20.4
9 8	0 4.80	− 5 57.7	1.266	2.256	6.4	20.2
9 18	23 55.66	− 6 40.2	1.273	2.275	2.6	20.0
9 28	23 46.50	− 7 14.9	1.305	2.294	5.3	20.2
10 8	23 38.57	− 7 35.8	1.362	2.314	9.8	20.5
10 18	23 32.80	− 7 39.8	1.442	2.334	13.9	20.8
10 28	23 29.72	− 7 26.0	1.542	2.354	17.3	21.1

482448 2012 DR_{55} 9 20.9 207°.23 2°.5/23.7 17

8 19	0 16.46	+ 8 39.4	2.728	3.550	10.9	21.8
8 29	0 10.66	+ 8 48.9	2.641	3.546	8.4	21.6
9 8	0 3.48	+ 8 47.3	2.579	3.541	5.7	21.5
9 18	23 55.38	+ 8 35.6	2.544	3.536	3.1	21.3
9 28	23 47.03	+ 8 16.1	2.540	3.531	2.8	21.3
10 8	23 39.13	+ 7 52.0	2.565	3.525	5.3	21.4
10 18	23 32.29	+ 7 27.0	2.618	3.519	8.0	21.6
10 28	23 27.02	+ 7 5.0	2.697	3.513	10.6	21.8

485243 2010 VO_{89} 9 20.9 286°.18 3°.3/24.7 17

8 19	0 12.68	+11 47.2	2.199	3.025	13.0	21.7
8 29	0 8.23	+11 36.6	2.115	3.018	10.2	21.5
9 8	0 2.19	+11 9.0	2.053	3.012	7.1	21.3
9 18	23 55.10	+10 26.0	2.017	3.005	4.2	21.1
9 28	23 47.72	+ 9 31.1	2.008	2.998	3.6	21.0
10 8	23 40.85	+ 8 29.8	2.028	2.992	6.1	21.2
10 18	23 35.23	+ 7 28.2	2.074	2.985	9.3	21.4
10 28	23 31.43	+ 6 32.3	2.145	2.979	12.3	21.6

265747 2005 VJ_{6} 9 20.9 301°.09 3°.9/25.2 18

8 19	0 13.51	+13 0.9	2.146	2.966	13.5	20.3
8 29	0 8.86	+13 0.0	2.065	2.963	10.7	20.1
9 8	0 2.56	+12 41.6	2.006	2.960	7.7	19.9
9 18	23 55.19	+12 6.6	1.973	2.957	4.8	19.7
9 28	23 47.52	+11 18.2	1.966	2.953	4.1	19.7
10 8	23 40.41	+10 21.7	1.988	2.950	6.3	19.8
10 18	23 34.60	+ 9 23.4	2.036	2.947	9.4	20.0
10 28	23 30.68	+ 8 29.2	2.108	2.945	12.3	20.2

345435 2006 DR_{123} 9 20.9 132°.63 2°.1/22.9 18

8 19	0 19.53	+ 6 24.6	1.985	2.828	13.6	21.8
8 29	0 13.18	+ 6 27.8	1.918	2.838	10.3	21.6
9 8	0 5.02	+ 6 17.5	1.875	2.847	6.6	21.4
9 18	23 55.74	+ 5 55.9	1.859	2.856	3.0	21.2
9 28	23 46.25	+ 5 26.6	1.871	2.865	3.1	21.3
10 8	23 37.52	+ 4 54.7	1.911	2.873	6.6	21.5
10 18	23 30.35	+ 4 25.2	1.978	2.881	10.1	21.7
10 28	23 25.33	+ 4 2.5	2.069	2.889	13.2	22.0

409044 2003 SX_{29} 9 20.9 311°.36 1°.0/19.7 18

8 19	0 9.55	+ 1 10.5	1.984	2.861	12.1	20.2
8 29	0 6.14	− 0 8.6	1.894	2.839	8.8	20.0
9 8	0 1.08	− 1 42.6	1.830	2.817	5.0	19.7
9 18	23 54.87	− 3 25.8	1.792	2.795	1.2	19.4
9 28	23 48.28	− 5 10.1	1.782	2.774	3.7	19.5
10 8	23 42.17	− 6 46.9	1.801	2.753	7.8	19.7
10 18	23 37.33	− 8 9.0	1.846	2.732	11.6	19.9
10 28	23 34.36	− 9 11.5	1.912	2.711	14.9	20.1

518556 2007 ET_{130} 9 20.9 186°.50 0°.1/20.7 18

8 19	0 13.06	+ 1 6.3	2.619	3.479	10.1	22.5
8 29	0 8.19	+ 0 31.1	2.544	3.479	7.4	22.3
9 8	0 2.02	− 0 12.4	2.495	3.478	4.3	22.1
9 18	23 55.05	− 1 0.9	2.473	3.477	0.9	21.8
9 28	23 47.90	− 1 50.3	2.482	3.476	2.5	21.9
10 8	23 41.23	− 2 36.0	2.519	3.474	5.7	22.2
10 18	23 35.61	− 3 14.2	2.585	3.472	8.7	22.4
10 28	23 31.51	− 3 42.1	2.674	3.470	11.2	22.5

354470 2004 CH_{57} 9 20.9 255.°50 0.°1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.90	− 0 23.3	2.050	2.915	12.4	20.9
8 29	0 12.84	− 0 27.1	1.966	2.903	9.1	20.7
9 8	0 4.92	− 0 38.9	1.907	2.891	5.3	20.4
9 18	23 55.75	− 0 55.7	1.874	2.878	1.2	20.1
9 28	23 46.21	− 1 13.7	1.871	2.865	3.0	20.3
10 8	23 37.25	− 1 28.4	1.896	2.853	7.1	20.5
10 18	23 29.74	− 1 36.2	1.947	2.839	10.8	20.7
10 28	23 24.33	− 1 34.2	2.022	2.826	14.0	20.9

162852 2001 DJ_{43} 9 20.9 220.°01 1.°0/21.8 18

8 19	0 16.60	+ 3 47.5	1.893	2.753	13.4	20.2
8 29	0 11.23	+ 3 32.0	1.818	2.750	10.0	19.9
9 8	0 3.99	+ 3 3.7	1.767	2.747	6.1	19.7
9 18	23 55.54	+ 2 25.7	1.741	2.743	2.0	19.4
9 28	23 46.78	+ 1 42.8	1.744	2.740	2.9	19.5
10 8	23 38.69	+ 1 1.0	1.774	2.736	7.0	19.8
10 18	23 32.12	+ 0 25.5	1.831	2.733	10.9	20.0
10 28	23 27.70	+ 0 0.7	1.910	2.729	14.2	20.2

218808 2006 DM_{56} 9 20.9 288.°80 1.°6/19.2 18

8 19	0 14.10	− 3 55.3	2.209	3.087	11.1	20.2
8 29	0 9.23	− 4 25.9	2.129	3.074	8.0	19.9
9 8	0 2.76	− 5 2.4	2.074	3.061	4.6	19.7
9 18	23 55.25	− 5 41.0	2.046	3.048	1.6	19.5
9 28	23 47.45	− 6 16.5	2.047	3.036	3.7	19.6
10 8	23 40.18	− 6 44.3	2.075	3.023	7.3	19.8
10 18	23 34.16	− 7 1.1	2.130	3.010	10.6	20.0
10 28	23 29.95	− 7 4.5	2.207	2.997	13.4	20.2

303681 2005 NL_{18} 9 20.9 86.°59 3.°3/24.3 18

8 19	0 15.32	+10 35.9	1.999	2.831	13.9	20.9
8 29	0 10.17	+10 32.7	1.931	2.840	10.8	20.7
9 8	0 3.31	+10 12.7	1.886	2.848	7.4	20.5
9 18	23 55.37	+ 9 37.4	1.866	2.856	4.2	20.3
9 28	23 47.23	+ 8 51.1	1.873	2.865	3.6	20.3
10 8	23 39.77	+ 7 59.2	1.909	2.873	6.4	20.5
10 18	23 33.77	+ 7 8.0	1.971	2.881	9.7	20.7
10 28	23 29.78	+ 6 23.1	2.057	2.889	12.8	20.9

80402 1999 XR_{179} 9 20.9 216.°14 1.°3/19.7 18

8 19	0 18.33	− 1 56.0	1.712	2.590	13.7	20.1
8 29	0 12.65	− 2 34.2	1.641	2.586	10.0	19.9
9 8	0 4.89	− 3 22.2	1.593	2.580	5.7	19.6
9 18	23 55.76	− 4 14.6	1.571	2.575	1.6	19.3
9 28	23 46.28	− 5 4.7	1.577	2.568	4.2	19.5
10 8	23 37.58	− 5 45.8	1.610	2.562	8.6	19.8
10 18	23 30.59	− 6 13.1	1.668	2.555	12.6	20.0
10 28	23 25.99	− 6 23.8	1.747	2.548	16.0	20.2

217092 2001 VY_{64} 9 20.9 306.°98 3.°3/23.5 18

8 19	0 15.39	+ 8 24.7	1.461	2.321	16.6	19.6
8 29	0 11.01	+ 8 28.2	1.377	2.304	12.9	19.4
9 8	0 4.20	+ 8 11.6	1.314	2.287	8.7	19.1
9 18	23 55.65	+ 7 36.0	1.273	2.270	4.4	18.8
9 28	23 46.48	+ 6 46.2	1.259	2.253	4.1	18.7
10 8	23 37.99	+ 5 49.8	1.269	2.237	8.4	18.9
10 18	23 31.37	+ 4 55.2	1.303	2.221	13.1	19.2
10 28	23 27.47	+ 4 10.5	1.358	2.206	17.2	19.4

123936 2001 EA_{15} 9 20.9 246.°07 5.°2/14.2 17 R

8 19	0 16.32	−18 29.0	2.692	3.571	9.3	20.7
8 29	0 10.61	−19 20.4	2.620	3.555	7.2	20.6
9 8	0 3.48	−20 7.8	2.574	3.538	5.6	20.4
9 18	23 55.42	−20 46.0	2.556	3.521	5.4	20.4
9 28	23 47.14	−21 10.6	2.566	3.503	6.8	20.5
10 8	23 39.35	−21 18.5	2.604	3.485	9.0	20.6
10 18	23 32.70	−21 8.7	2.666	3.467	11.2	20.7
10 28	23 27.71	−20 41.8	2.749	3.448	13.2	20.9

112656 Gines 9 20.9 4.°59 2.°7/23.5 18

8 19	0 12.99	+ 9 2.9	1.608	2.464	15.6	19.6
8 29	0 8.87	+ 8 41.0	1.539	2.464	12.0	19.4
9 8	0 2.73	+ 7 58.9	1.492	2.464	7.9	19.2
9 18	23 55.27	+ 6 59.5	1.468	2.465	3.8	18.9
9 28	23 47.52	+ 5 49.0	1.471	2.466	3.5	18.9
10 8	23 40.54	+ 4 35.5	1.500	2.467	7.4	19.2
10 18	23 35.23	+ 3 27.3	1.553	2.469	11.5	19.4
10 28	23 32.24	+ 2 31.2	1.630	2.472	15.1	19.7

117832 2005 JL_{55} 9 20.9 328.°55 0.°2/21.4 17

8 19	0 6.52	+ 2 36.1	3.979	4.832	7.1	19.8
8 29	0 3.16	+ 2 4.3	3.899	4.829	5.2	19.7
9 8	23 59.01	+ 1 26.4	3.845	4.825	3.1	19.6
9 18	23 54.39	+ 0 44.4	3.819	4.822	0.8	19.4
9 28	23 49.66	+ 0 1.0	3.824	4.819	1.6	19.4
10 8	23 45.20	− 0 41.1	3.859	4.816	3.8	19.6
10 18	23 41.35	− 1 19.2	3.922	4.814	5.9	19.7
10 28	23 38.42	− 1 51.1	4.011	4.811	7.7	19.9

388939 2008 SL_{259} 9 20.9 314.°32 1.°4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.16	− 1 52.8	1.490	2.380	14.7	21.5
8 29	0 10.64	− 2 29.3	1.418	2.368	10.7	21.2
9 8	0 3.87	− 3 17.1	1.368	2.357	6.1	20.9
9 18	23 55.56	− 4 10.5	1.343	2.346	1.7	20.6
9 28	23 46.82	− 5 1.8	1.344	2.336	4.5	20.8
10 8	23 38.87	− 5 43.3	1.370	2.326	9.3	21.0
10 18	23 32.75	− 6 9.5	1.419	2.316	13.8	21.3
10 28	23 29.20	− 6 17.1	1.489	2.306	17.5	21.5

447583 2006 TQ_{121} 9 20.9 290.°99 5.°0/26.5 18

8 19	0 12.35	+16 40.6	1.983	2.790	14.9	21.1
8 29	0 8.24	+16 28.7	1.893	2.779	12.2	20.9
9 8	0 2.33	+15 54.0	1.824	2.767	9.1	20.7
9 18	23 55.20	+14 57.1	1.780	2.756	6.2	20.5
9 28	23 47.69	+13 41.5	1.762	2.745	5.1	20.4
10 8	23 40.73	+12 13.9	1.771	2.734	7.0	20.5
10 18	23 35.15	+10 42.6	1.806	2.722	10.1	20.7
10 28	23 31.62	+ 9 15.8	1.866	2.711	13.3	20.9

360964 2005 UB_{169} 9 20.9 2.°46 1.°4/22.2 18

8 19	0 12.92	+ 4 46.7	1.659	2.529	14.5	20.4
8 29	0 8.74	+ 4 32.4	1.592	2.528	10.9	20.2
9 8	0 2.62	+ 4 2.9	1.547	2.528	6.7	20.0
9 18	23 55.26	+ 3 21.7	1.527	2.529	2.4	19.7
9 28	23 47.62	+ 2 34.3	1.533	2.530	3.1	19.8
10 8	23 40.72	+ 1 47.4	1.566	2.532	7.4	20.0
10 18	23 35.44	+ 1 7.2	1.623	2.534	11.4	20.3
10 28	23 32.40	+ 0 38.6	1.702	2.538	14.9	20.5

33593 1999 JT_{47} 9 20.9 342.°27 4.°2/17.2 18

8 19	0 16.96	−11 9.9	1.831	2.722	12.3	18.0
8 29	0 11.49	−11 46.5	1.770	2.719	9.0	17.8
9 8	0 4.14	−12 23.3	1.733	2.717	5.7	17.6
9 18	23 55.60	−12 54.3	1.722	2.714	4.2	17.5
9 28	23 46.86	−13 13.6	1.738	2.712	6.2	17.7
10 8	23 38.90	−13 17.2	1.781	2.710	9.6	17.8
10 18	23 32.57	−13 3.4	1.848	2.708	12.9	18.1
10 28	23 28.45	−12 32.4	1.935	2.707	15.7	18.3

7065 Fredschaaf 9 20.9 343.°97 1.°5/22.5 18

8 19	0 12.56	+ 6 56.3	1.828	2.686	13.9	17.1
8 29	0 8.35	+ 6 15.9	1.756	2.685	10.5	16.8
9 8	0 2.36	+ 5 18.2	1.706	2.683	6.6	16.6
9 18	23 55.21	+ 4 7.0	1.682	2.682	2.5	16.3
9 28	23 47.79	+ 2 48.7	1.685	2.681	2.9	16.4
10 8	23 41.03	+ 1 31.1	1.715	2.680	6.9	16.6
10 18	23 35.75	+ 0 21.4	1.772	2.679	10.8	16.9
10 28	23 32.54	− 0 34.7	1.851	2.679	14.2	17.1

347479 2012 UR_{134} 9 20.9 80.°90 6.°8/27.9 18

8 19	0 17.21	+19 39.3	1.748	2.540	17.2	20.3
8 29	0 11.79	+19 55.9	1.687	2.556	14.2	20.2
9 8	0 4.36	+19 46.8	1.646	2.573	11.0	20.0
9 18	23 55.66	+19 11.7	1.627	2.589	8.1	19.9
9 28	23 46.75	+18 13.9	1.634	2.605	6.8	19.9
10 8	23 38.72	+17 0.4	1.667	2.621	8.1	20.0
10 18	23 32.46	+15 39.9	1.725	2.637	10.8	20.2
10 28	23 28.58	+14 21.5	1.807	2.653	13.7	20.4

92233 2000 AU_{102} 9 20.9 115.°02 4.°4/15.4 18

8 19	0 14.22	−13 45.4	2.426	3.312	9.9	18.1
8 29	0 9.06	−14 46.5	2.379	3.323	7.3	17.9
9 8	0 2.54	−15 45.9	2.357	3.334	5.1	17.8
9 18	23 55.22	−16 38.0	2.364	3.344	4.5	17.8
9 28	23 47.82	−17 17.9	2.399	3.355	6.1	17.9
10 8	23 41.06	−17 42.1	2.461	3.365	8.5	18.1
10 18	23 35.51	−17 49.4	2.548	3.375	10.9	18.3
10 28	23 31.64	−17 39.8	2.656	3.384	12.9	18.4

30537 2001 OR_{8} 9 20.9 90.°32 2.°4/23.1 18

8 19	0 18.63	+ 8 6.3	1.587	2.439	16.0	18.8
8 29	0 12.77	+ 7 42.3	1.537	2.460	12.1	18.6
9 8	0 4.86	+ 6 59.5	1.508	2.481	7.7	18.4
9 18	23 55.76	+ 6 1.8	1.504	2.502	3.4	18.2
9 28	23 46.58	+ 4 55.7	1.527	2.522	3.4	18.3
10 8	23 38.42	+ 3 49.3	1.577	2.542	7.4	18.6
10 18	23 32.14	+ 2 50.0	1.653	2.562	11.4	18.8
10 28	23 28.31	+ 2 3.4	1.751	2.581	14.8	19.1

521238 2015 HN_{189} 9 20.9 94.°11 0.°5/21.3 18

8 19	0 18.01	+ 2 10.1	1.691	2.560	14.3	21.2
8 29	0 12.32	+ 1 52.6	1.632	2.569	10.5	21.0
9 8	0 4.64	+ 1 22.7	1.595	2.578	6.2	20.8
9 18	23 55.73	+ 0 44.5	1.583	2.587	1.6	20.5
9 28	23 46.63	+ 0 3.6	1.600	2.595	3.2	20.6
10 8	23 38.41	− 0 33.8	1.643	2.604	7.6	20.9
10 18	23 31.93	− 1 2.5	1.712	2.613	11.6	21.2
10 28	23 27.79	− 1 18.8	1.803	2.621	14.9	21.4

211837 2004 FS_{17} 9 20.9 27°.53 13°.6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.35	+37 38.3	1.038	1.778	29.5	19.4
8 29	0 8.20	+37 3.3	0.969	1.780	26.5	19.2
9 8	0 2.87	+35 23.0	0.909	1.783	22.7	18.9
9 18	23 55.39	+32 28.6	0.865	1.786	18.6	18.7
9 28	23 47.48	+28 22.1	0.839	1.790	14.9	18.5
10 8	23 40.96	+23 22.5	0.837	1.794	13.6	18.5
10 18	23 37.21	+18 1.9	0.861	1.798	15.6	18.6
10 28	23 37.00	+12 56.1	0.908	1.803	19.5	18.9

312739 2010 TA_{25} 9 20.9 41°.32 1°.2/19.7 18

8 19	0 14.16	− 1 59.5	1.918	2.798	12.4	20.6
8 29	0 9.36	− 2 36.9	1.857	2.802	8.9	20.4
9 8	0 2.87	− 3 22.5	1.819	2.807	5.0	20.2
9 18	23 55.34	− 4 11.4	1.808	2.812	1.4	19.9
9 28	23 47.62	− 4 57.7	1.825	2.817	3.7	20.1
10 8	23 40.61	− 5 36.0	1.870	2.822	7.6	20.4
10 18	23 35.05	− 6 2.1	1.939	2.827	11.1	20.6
10 28	23 31.49	− 6 13.6	2.031	2.833	14.1	20.8

317804 2003 ST_{212} 9 20.9 42°.52 1°.7/19.9 18

8 19	0 26.32	− 6 58.4	1.755	2.628	13.7	18.9
8 29	0 18.02	− 6 30.7	1.709	2.650	9.9	18.7
9 8	0 7.75	− 6 4.7	1.688	2.673	5.7	18.5
9 18	23 56.42	− 5 37.5	1.694	2.696	1.9	18.3
9 28	23 45.16	− 5 6.6	1.730	2.720	4.0	18.5
10 8	23 35.08	− 4 30.1	1.794	2.744	8.0	18.8
10 18	23 27.00	− 3 47.4	1.885	2.769	11.6	19.1
10 28	23 21.43	− 2 57.9	1.999	2.794	14.5	19.4

137642 1999 WU_{14} 9 20.9 179°.61 1°.3/19.7 17

8 19	0 18.24	− 1 32.9	1.669	2.547	14.0	21.1
8 29	0 12.59	− 2 16.5	1.604	2.548	10.1	20.9
9 8	0 4.87	− 3 10.5	1.562	2.549	5.8	20.7
9 18	23 55.82	− 4 9.0	1.546	2.549	1.6	20.4
9 28	23 46.49	− 5 5.0	1.558	2.549	4.2	20.6
10 8	23 38.00	− 5 51.3	1.596	2.549	8.6	20.8
10 18	23 31.26	− 6 23.1	1.660	2.548	12.6	21.1
10 28	23 26.93	− 6 37.6	1.745	2.546	16.0	21.3

402806 2007 DS_{76} 9 20.9 231°.52 0°.8/21.8 18

8 19	0 15.67	+ 3 14.9	2.597	3.446	10.6	21.7
8 29	0 10.20	+ 3 3.4	2.509	3.435	7.9	21.5
9 8	0 3.30	+ 2 42.8	2.445	3.423	4.8	21.3
9 18	23 55.45	+ 2 15.3	2.410	3.412	1.5	21.1
9 28	23 47.33	+ 1 44.1	2.404	3.400	2.3	21.1
10 8	23 39.64	+ 1 13.4	2.428	3.387	5.6	21.3
10 18	23 33.04	+ 0 46.7	2.480	3.374	8.7	21.5
10 28	23 28.05	+ 0 27.5	2.556	3.361	11.4	21.7

42331 2001 XJ_{195} 9 20.9 283°.35 1°.3/19.8 18

8 19	0 15.32	− 0 59.9	1.623	2.507	14.1	19.6
8 29	0 10.57	− 1 46.9	1.555	2.502	10.2	19.4
9 8	0 3.75	− 2 45.6	1.509	2.497	5.8	19.1
9 18	23 55.58	− 3 50.1	1.488	2.492	1.5	18.8
9 28	23 47.07	− 4 52.8	1.495	2.487	4.2	19.0
10 8	23 39.34	− 5 46.0	1.528	2.482	8.7	19.3
10 18	23 33.32	− 6 24.2	1.585	2.477	12.9	19.5
10 28	23 29.66	− 6 44.1	1.664	2.473	16.3	19.8

261627 2005 YB_{31} 9 20.9 118°.49 1°.4/19.2 18

8 19	0 13.17	− 3 5.4	2.354	3.230	10.6	20.6
8 29	0 8.38	− 3 48.9	2.291	3.235	7.6	20.4
9 8	0 2.21	− 4 38.6	2.254	3.241	4.3	20.2
9 18	23 55.19	− 5 30.0	2.244	3.246	1.5	20.0
9 28	23 48.03	− 6 18.2	2.263	3.251	3.5	20.2
10 8	23 41.43	− 6 58.6	2.310	3.257	6.7	20.4
10 18	23 36.02	− 7 27.7	2.384	3.262	9.7	20.6
10 28	23 32.27	− 7 43.5	2.481	3.266	12.3	20.8

387665 2002 RG_{270} 9 20.9 42°.71 4°.4/23.9 18

8 19	0 22.76	+ 8 24.6	1.405	2.256	17.7	20.7
8 29	0 15.99	+ 9 14.9	1.359	2.278	13.7	20.5
9 8	0 6.83	+ 9 46.7	1.333	2.300	9.3	20.4
9 18	23 56.25	+10 0.1	1.332	2.324	5.3	20.2
9 28	23 45.58	+ 9 57.9	1.357	2.348	4.8	20.2
10 8	23 36.15	+ 9 45.8	1.408	2.372	8.2	20.5
10 18	23 28.94	+ 9 30.3	1.483	2.397	12.1	20.8
10 28	23 24.59	+ 9 17.6	1.580	2.422	15.5	21.1

87994 2000 UA_{11} 9 20.9 227°.53 3°.5/24.7 18

8 19	0 15.42	+11 25.7	2.276	3.097	12.8	19.6
8 29	0 10.20	+11 32.4	2.193	3.094	10.1	19.4
9 8	0 3.38	+11 23.9	2.133	3.090	7.1	19.2
9 18	23 55.49	+11 1.1	2.099	3.086	4.3	19.0
9 28	23 47.30	+10 26.6	2.094	3.082	3.7	19.0
10 8	23 39.64	+ 9 45.1	2.116	3.078	6.1	19.1
10 18	23 33.24	+ 9 1.7	2.165	3.074	9.1	19.3
10 28	23 28.67	+ 8 21.8	2.239	3.069	12.0	19.5

173673 2001 NQ_{17} 9 20.9 324°.22 6°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.81	−13 59.9	1.530	2.437	13.4	19.0
8 29	0 8.97	−15 24.2	1.464	2.419	10.1	18.8
9 8	0 2.93	−16 49.2	1.422	2.401	7.3	18.6
9 18	23 55.41	−18 4.9	1.404	2.384	6.9	18.5
9 28	23 47.48	−19 1.6	1.411	2.368	9.3	18.6
10 8	23 40.32	−19 32.6	1.441	2.353	12.8	18.8
10 18	23 34.93	−19 35.3	1.493	2.338	16.2	19.0
10 28	23 32.03	−19 10.5	1.562	2.324	19.3	19.2

23899 Kornoš 9 20.9 182°.58 3°.8/25.7 18

8 19	0 14.06	+14 56.9	2.283	3.088	13.3	18.0
8 29	0 9.20	+14 29.8	2.201	3.089	10.6	17.8
9 8	0 2.78	+13 43.3	2.141	3.089	7.6	17.6
9 18	23 55.36	+12 39.1	2.106	3.088	4.8	17.5
9 28	23 47.70	+11 21.3	2.101	3.088	3.9	17.4
10 8	23 40.59	+ 9 56.0	2.124	3.087	6.0	17.6
10 18	23 34.75	+ 8 30.4	2.175	3.085	9.0	17.7
10 28	23 30.70	+ 7 11.1	2.251	3.083	11.8	17.9

316160 2009 UW_{51} 9 20.9 272°.29 0°.8/22.6 18

8 19	0 6.46	+ 5 15.5	4.541	5.379	6.6	21.3
8 29	0 3.07	+ 4 55.5	4.454	5.372	4.9	21.2
9 8	23 58.98	+ 4 29.3	4.392	5.366	3.1	21.1
9 18	23 54.47	+ 3 58.5	4.360	5.359	1.2	20.9
9 28	23 49.84	+ 3 25.0	4.357	5.353	1.4	20.9
10 8	23 45.45	+ 2 51.1	4.385	5.346	3.2	21.1
10 18	23 41.58	+ 2 19.0	4.442	5.340	5.1	21.2
10 28	23 38.53	+ 1 50.9	4.525	5.333	6.7	21.3

237834 2002 DT_{3} 9 20.9 123°.54 8°.1/ 9.7 18

8 19	0 17.42	−23 51.3	2.239	3.117	10.9	20.6
8 29	0 11.56	−26 1.7	2.216	3.137	9.0	20.5
9 8	0 4.08	−28 1.3	2.221	3.156	8.1	20.5
9 18	23 55.64	−29 41.6	2.253	3.175	8.5	20.6
9 28	23 47.11	−30 56.3	2.311	3.193	10.0	20.7
10 8	23 39.36	−31 42.7	2.395	3.210	11.9	20.9
10 18	23 33.10	−32 1.3	2.499	3.227	13.8	21.0
10 28	23 28.83	−31 54.9	2.621	3.243	15.3	21.2

470507 2008 CW_{94} 9 20.9 113°.22 1°.8/19.5 17

8 19	0 20.82	− 3 17.4	1.668	2.546	14.0	22.0
8 29	0 14.28	− 3 54.8	1.618	2.563	10.1	21.8
9 8	0 5.74	− 4 39.6	1.592	2.579	5.7	21.6
9 18	23 56.02	− 5 26.0	1.593	2.595	1.9	21.4
9 28	23 46.23	− 6 7.4	1.621	2.611	4.4	21.6
10 8	23 37.45	− 6 38.0	1.677	2.626	8.5	21.9
10 18	23 30.54	− 6 54.5	1.757	2.640	12.3	22.2
10 28	23 26.05	− 6 55.1	1.859	2.654	15.4	22.4

509969 2009 SC_{321} 9 20.9 15°.34 6°.6/26.2 18

8 19	0 10.00	+14 19.5	0.960	1.833	22.2	19.8
8 29	0 7.58	+14 35.7	0.914	1.840	17.9	19.6
9 8	0 2.35	+14 17.0	0.883	1.848	13.0	19.3
9 18	23 55.30	+13 24.6	0.871	1.859	8.4	19.1
9 28	23 47.93	+12 5.9	0.881	1.871	6.7	19.1
10 8	23 41.83	+10 34.0	0.911	1.885	9.8	19.3
10 18	23 38.17	+ 9 2.9	0.963	1.901	14.3	19.6
10 28	23 37.66	+ 7 45.1	1.034	1.918	18.5	19.9

10162 Issunboushi 9 20.9 50°.79 5°.1/16.6 18

8 19	0 16.40	− 9 42.5	1.401	2.304	14.6	18.0
8 29	0 11.44	−10 56.4	1.357	2.312	10.6	17.8
9 8	0 4.25	−12 12.7	1.335	2.321	6.7	17.6
9 18	23 55.70	−13 22.1	1.337	2.330	5.1	17.5
9 28	23 47.02	−14 15.3	1.365	2.339	7.6	17.7
10 8	23 39.41	−14 46.2	1.418	2.348	11.5	17.9
10 18	23 33.81	−14 52.5	1.492	2.358	15.1	18.2
10 28	23 30.81	−14 35.1	1.586	2.368	18.2	18.4

116879 2004 FZ_{114} 9 20.9 42°.99 1°.8/19.2 18

8 19	0 14.39	− 3 12.6	1.868	2.751	12.5	20.0
8 29	0 9.60	− 3 58.3	1.806	2.754	9.0	19.8
9 8	0 3.07	− 4 51.7	1.769	2.757	5.1	19.6
9 18	23 55.44	− 5 47.3	1.757	2.760	1.8	19.4
9 28	23 47.61	− 6 38.7	1.774	2.763	4.2	19.5
10 8	23 40.51	− 7 20.0	1.817	2.766	8.0	19.8
10 18	23 34.89	− 7 47.2	1.886	2.769	11.6	20.0
10 28	23 31.33	− 7 58.1	1.976	2.772	14.6	20.2

429814 2012 KB_{3} 9 20.9 132°.27 4°.2/17.1 17

8 19	0 19.22	− 8 48.0	1.686	2.575	13.3	21.5
8 29	0 13.17	− 9 57.5	1.637	2.587	9.6	21.3
9 8	0 5.13	−11 9.8	1.613	2.598	5.9	21.1
9 18	23 55.90	−12 17.1	1.615	2.609	4.2	21.0
9 28	23 46.56	−13 11.5	1.645	2.619	6.5	21.2
10 8	23 38.17	−13 47.4	1.701	2.628	10.1	21.4
10 18	23 31.60	−14 2.5	1.780	2.637	13.5	21.6
10 28	23 27.41	−13 56.6	1.881	2.646	16.3	21.9

129408 1045 T-3 9 20.9 81°.84 1°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.30	+ 6 24.1	2.225	3.069	12.3	19.7
8 29	0 10.08	+ 6 22.9	2.150	3.070	9.3	19.5
9 8	0 3.29	+ 6 9.5	2.099	3.071	6.0	19.3
9 18	23 55.50	+ 5 45.8	2.075	3.072	2.7	19.1
9 28	23 47.46	+ 5 15.2	2.079	3.073	2.7	19.1
10 8	23 40.00	+ 4 42.3	2.111	3.074	6.0	19.3
10 18	23 33.82	+ 4 11.6	2.170	3.075	9.3	19.5
10 28	23 29.47	+ 3 47.2	2.254	3.076	12.2	19.7

335734 2007 DE_{82} 9 20.9 192°.50 0°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.92	+ 1 56.6	1.906	2.771	13.1	22.1
8 29	0 11.48	+ 1 16.9	1.833	2.770	9.6	21.9
9 8	0 4.19	+ 0 24.7	1.785	2.768	5.6	21.6
9 18	23 55.71	− 0 35.3	1.762	2.766	1.3	21.3
9 28	23 46.95	− 1 37.1	1.769	2.763	3.1	21.5
10 8	23 38.87	− 2 33.9	1.803	2.760	7.4	21.7
10 18	23 32.31	− 3 20.3	1.863	2.756	11.2	21.9
10 28	23 27.87	− 3 52.3	1.946	2.752	14.4	22.2

283269 2011 HY_5 9 20.9 71°.96 2°.0/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.95	− 2 6.7	1.550	2.437	14.4	20.1
8 29	0 10.84	− 3 14.5	1.507	2.457	10.3	19.9
9 8	0 3.78	− 4 31.9	1.487	2.476	5.8	19.7
9 18	23 55.59	− 5 51.3	1.493	2.496	2.1	19.5
9 28	23 47.34	− 7 3.9	1.526	2.515	4.7	19.7
10 8	23 40.09	− 8 2.4	1.586	2.535	9.0	20.0
10 18	23 34.65	− 8 42.3	1.669	2.554	12.7	20.3
10 28	23 31.55	− 9 1.7	1.774	2.573	15.9	20.6

23269 2000 YH_{62} 9 20.9 117°.09 2°.0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.32	+11 34.9	4.462	5.266	7.3	18.9
8 29	0 3.69	+11 26.9	4.377	5.268	5.7	18.8
9 8	23 59.35	+11 10.8	4.318	5.269	4.0	18.7
9 18	23 54.57	+10 47.4	4.287	5.271	2.5	18.5
9 28	23 49.69	+10 18.4	4.285	5.272	2.1	18.5
10 8	23 45.05	+ 9 46.0	4.313	5.274	3.3	18.6
10 18	23 40.98	+ 9 12.6	4.370	5.275	5.0	18.7
10 28	23 37.75	+ 8 40.8	4.455	5.277	6.6	18.9

325467 2009 QN_{54} 9 20.9 315°.75 1°.3/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.71	+ 3 34.3	1.989	2.849	12.9	21.1
8 29	0 10.64	+ 3 38.4	1.906	2.837	9.7	20.9
9 8	0 3.75	+ 3 31.5	1.846	2.825	6.0	20.7
9 18	23 55.63	+ 3 15.6	1.811	2.813	2.2	20.4
9 28	23 47.14	+ 2 54.3	1.805	2.801	2.8	20.4
10 8	23 39.21	+ 2 32.3	1.827	2.790	6.7	20.6
10 18	23 32.68	+ 2 13.9	1.874	2.779	10.5	20.8
10 28	23 28.19	+ 2 3.3	1.945	2.768	13.8	21.0

146051 2000 EU_{82} 9 20.9 157°.27 3°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.84	− 7 51.1	1.886	2.772	12.3	20.1
8 29	0 12.06	− 9 0.9	1.830	2.778	8.9	19.9
9 8	0 4.47	−10 14.6	1.799	2.785	5.4	19.7
9 18	23 55.77	−11 25.1	1.795	2.790	3.6	19.6
9 28	23 46.90	−12 25.2	1.820	2.795	5.8	19.8
10 8	23 38.82	−13 9.1	1.872	2.800	9.3	20.0
10 18	23 32.34	−13 33.8	1.948	2.804	12.5	20.2
10 28	23 28.01	−13 38.5	2.045	2.807	15.3	20.4

44159 1998 HV_{130} 9 20.9 112°.12 0°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.41	+ 0 1.8	1.841	2.714	13.2	19.9
8 29	0 11.01	− 0 45.2	1.785	2.726	9.5	19.7
9 8	0 3.85	− 1 42.6	1.752	2.739	5.4	19.4
9 18	23 55.63	− 2 45.0	1.747	2.750	1.2	19.2
9 28	23 47.26	− 3 45.8	1.769	2.762	3.5	19.4
10 8	23 39.70	− 4 38.6	1.819	2.773	7.6	19.7
10 18	23 33.72	− 5 18.6	1.895	2.784	11.2	19.9
10 28	23 29.85	− 5 42.9	1.993	2.795	14.3	20.1

424192 2007 JB_{43} 9 20.9 71°.32 3°.8/25.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.44	+13 56.1	1.599	2.430	16.9	21.1
8 29	0 10.47	+13 12.8	1.549	2.455	13.1	21.0
9 8	0 3.58	+12 4.9	1.520	2.480	9.0	20.8
9 18	23 55.56	+10 36.2	1.516	2.505	5.1	20.6
9 28	23 47.49	+ 8 54.6	1.538	2.530	4.1	20.6
10 8	23 40.41	+ 7 10.0	1.588	2.555	7.1	20.9
10 18	23 35.12	+ 5 31.9	1.663	2.579	10.9	21.1
10 28	23 32.14	+ 4 8.1	1.763	2.604	14.2	21.4

433277 2013 AT_{108} 9 20.9 346°.34 1°.6/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.10	− 7 6.9	3.991	4.869	6.6	21.0
8 29	0 3.60	− 7 46.4	3.923	4.868	4.7	20.9
9 8	23 59.34	− 8 27.8	3.881	4.867	2.7	20.8
9 18	23 54.60	− 9 8.4	3.869	4.866	1.6	20.7
9 28	23 49.76	− 9 45.5	3.886	4.865	2.8	20.8
10 8	23 45.20	−10 16.6	3.933	4.864	4.7	20.9
10 18	23 41.27	−10 39.8	4.007	4.863	6.6	21.0
10 28	23 38.27	−10 53.9	4.105	4.863	8.3	21.2

376133 2011 AR_{63} 9 20.9 251°.05 3°.2/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.01	+ 8 59.9	1.750	2.591	15.2	21.5
8 29	0 13.39	+ 9 2.3	1.661	2.576	11.8	21.3
9 8	0 5.54	+ 8 46.9	1.593	2.560	8.0	21.0
9 18	23 56.10	+ 8 14.7	1.550	2.544	4.2	20.8
9 28	23 46.10	+ 7 29.6	1.534	2.527	3.9	20.7
10 8	23 36.69	+ 6 38.0	1.546	2.510	7.6	20.9
10 18	23 28.93	+ 5 46.8	1.583	2.493	11.8	21.1
10 28	23 23.63	+ 5 3.2	1.643	2.475	15.5	21.3

35680 1999 AS_{21} 9 20.9 289°.17 3°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.69	− 4 36.0	1.282	2.183	15.8	18.4
8 29	0 11.32	− 5 57.3	1.220	2.177	11.4	18.1
9 8	0 4.42	− 7 30.4	1.180	2.171	6.7	17.8
9 18	23 55.83	− 9 5.4	1.165	2.164	3.7	17.7
9 28	23 46.83	−10 30.5	1.174	2.158	6.8	17.8
10 8	23 38.80	−11 35.4	1.208	2.152	11.6	18.1
10 18	23 32.88	−12 14.3	1.264	2.146	16.1	18.3
10 28	23 29.82	−12 25.4	1.337	2.141	19.9	18.6

8753 Nycticorax 9 20.9 88°.24 0°.4/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.78	+ 1 49.4	1.449	2.326	15.8	18.4
8 29	0 13.01	+ 0 56.8	1.404	2.347	11.5	18.2
9 8	0 5.09	− 0 9.9	1.382	2.368	6.6	18.0
9 18	23 55.93	− 1 24.2	1.385	2.389	1.4	17.7
9 28	23 46.72	− 2 37.1	1.415	2.409	3.8	17.9
10 8	23 38.64	− 3 40.3	1.471	2.429	8.6	18.3
10 18	23 32.57	− 4 28.0	1.552	2.449	12.8	18.6
10 28	23 29.06	− 4 56.8	1.654	2.468	16.2	18.8

258789 2002 JC_{140} 9 20.9 111°.99 2°.8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.59	− 5 48.2	1.445	2.333	15.2	20.4
8 29	0 15.20	− 6 21.6	1.392	2.341	10.9	20.1
9 8	0 6.46	− 7 0.9	1.361	2.349	6.3	19.9
9 18	23 56.28	− 7 39.2	1.356	2.357	2.9	19.7
9 28	23 45.92	− 8 9.4	1.378	2.365	5.5	19.9
10 8	23 36.68	− 8 25.8	1.425	2.372	9.9	20.2
10 18	23 29.56	− 8 25.3	1.496	2.379	14.0	20.5
10 28	23 25.19	− 8 7.3	1.587	2.386	17.5	20.7

401693 2013 HF_{22} 9 20.9 317°.91 2°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.83	− 5 44.2	2.040	2.920	11.7	20.3
8 29	0 11.31	− 6 3.5	1.970	2.916	8.5	20.1
9 8	0 4.06	− 6 27.0	1.925	2.912	4.9	19.9
9 18	23 55.73	− 6 50.4	1.907	2.908	2.0	19.7
9 28	23 47.15	− 7 9.0	1.917	2.904	4.1	19.8
10 8	23 39.24	− 7 18.7	1.954	2.901	7.7	20.0
10 18	23 32.76	− 7 16.9	2.018	2.897	11.1	20.2
10 28	23 28.28	− 7 2.2	2.104	2.894	14.0	20.4

176279 2001 RH_{153} 9 20.9 19°.82 3°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.96	− 7 9.8	1.757	2.652	12.5	19.4
8 29	0 8.69	− 8 25.0	1.701	2.654	9.0	19.2
9 8	0 2.60	− 9 45.6	1.669	2.656	5.4	19.0
9 18	23 55.40	−11 3.8	1.663	2.659	3.7	18.9
9 28	23 47.98	−12 11.6	1.684	2.662	6.0	19.0
10 8	23 41.32	−13 2.6	1.732	2.664	9.6	19.2
10 18	23 36.20	−13 33.1	1.803	2.668	12.9	19.5
10 28	23 33.19	−13 42.1	1.894	2.671	15.8	19.7

375827 2009 UO_{78} 9 20.9 270°.30 1°.9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.39	+ 7 0.5	1.599	2.459	15.5	20.7
8 29	0 10.79	+ 6 32.4	1.520	2.449	11.8	20.5
9 8	0 4.02	+ 5 44.9	1.462	2.439	7.5	20.2
9 18	23 55.76	+ 4 41.2	1.429	2.429	3.0	19.9
9 28	23 47.06	+ 3 27.9	1.423	2.420	3.3	19.9
10 8	23 39.06	+ 2 13.5	1.444	2.410	7.9	20.2
10 18	23 32.78	+ 1 6.3	1.489	2.400	12.3	20.4
10 28	23 28.97	+ 0 13.2	1.556	2.390	16.1	20.6

242177 2003 HN_{24} 9 20.9 310°.09 1°.0/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.64	+ 6 20.9	4.093	4.929	7.3	20.5
8 29	0 3.29	+ 5 55.7	4.006	4.922	5.5	20.3
9 8	23 59.19	+ 5 23.1	3.944	4.916	3.5	20.2
9 18	23 54.60	+ 4 44.8	3.911	4.909	1.5	20.0
9 28	23 49.89	+ 4 3.0	3.908	4.903	1.5	20.0
10 8	23 45.43	+ 3 20.5	3.934	4.897	3.5	20.2
10 18	23 41.56	+ 2 40.0	3.990	4.890	5.5	20.3
10 28	23 38.60	+ 2 4.0	4.072	4.884	7.4	20.4

319303 2006 BY_{117} 9 20.9 212°.48 0°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.02	+ 2 39.6	2.428	3.284	11.0	21.2
8 29	0 9.07	+ 2 19.4	2.351	3.282	8.1	21.0
9 8	0 2.70	+ 1 49.7	2.299	3.280	4.8	20.8
9 18	23 55.43	+ 1 13.3	2.274	3.277	1.4	20.5
9 28	23 47.93	+ 0 34.1	2.279	3.274	2.4	20.6
10 8	23 40.95	− 0 3.3	2.312	3.271	5.8	20.9
10 18	23 35.10	− 0 35.0	2.372	3.268	9.0	21.1
10 28	23 30.90	− 0 57.6	2.457	3.265	11.7	21.2

259618 2003 VA_8 9 20.9 352.°58 7.°4/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.45	−13 44.3	1.090	2.006	16.8	19.5
8 29	0 12.89	−14 43.9	1.042	2.001	12.6	19.2
9 8	0 5.42	−15 41.3	1.013	1.997	8.7	19.0
9 18	23 56.10	−16 25.5	1.006	1.994	7.5	18.9
9 28	23 46.45	−16 46.1	1.021	1.991	10.1	19.1
10 8	23 38.09	−16 37.6	1.059	1.990	14.3	19.3
10 18	23 32.26	−15 59.9	1.115	1.990	18.4	19.6
10 28	23 29.67	−14 56.1	1.189	1.991	22.0	19.8

288420 2004 DW_{64} 9 20.9 267.°93 1.°1/19.9 17

8 19	0 14.83	+ 0 47.5	1.510	2.394	14.9	20.9
8 29	0 10.42	− 0 16.6	1.439	2.386	10.9	20.7
9 8	0 3.81	− 1 36.5	1.391	2.379	6.2	20.4
9 18	23 55.72	− 3 5.4	1.368	2.371	1.5	20.1
9 28	23 47.24	− 4 34.0	1.371	2.364	4.3	20.2
10 8	23 39.54	− 5 52.5	1.401	2.356	9.2	20.5
10 18	23 33.64	− 6 53.5	1.454	2.349	13.6	20.8
10 28	23 30.23	− 7 32.6	1.528	2.341	17.4	21.0

314680 2006 QF_{135} 9 20.9 345.°84 1.°2/21.9 18

8 19	0 17.87	+ 3 3.2	1.785	2.648	14.0	20.5
8 29	0 12.32	+ 3 8.0	1.713	2.646	10.4	20.2
9 8	0 4.78	+ 3 1.1	1.665	2.645	6.4	20.0
9 18	23 55.95	+ 2 45.1	1.642	2.643	2.2	19.7
9 28	23 46.80	+ 2 23.9	1.646	2.642	3.0	19.8
10 8	23 38.38	+ 2 2.7	1.678	2.641	7.2	20.1
10 18	23 31.59	+ 1 46.1	1.735	2.640	11.2	20.3
10 28	23 27.09	+ 1 38.3	1.815	2.639	14.6	20.5

319473 2006 PO_{13} 9 20.9 94.°27 4.°7/24.9 17

8 19	0 18.67	+12 42.1	1.440	2.278	18.0	20.8
8 29	0 13.22	+12 43.6	1.379	2.289	14.2	20.6
9 8	0 5.41	+12 20.6	1.339	2.299	9.9	20.4
9 18	23 56.09	+11 34.5	1.321	2.309	6.0	20.2
9 28	23 46.49	+10 30.7	1.329	2.320	5.0	20.2
10 8	23 37.91	+ 9 18.1	1.363	2.329	8.2	20.4
10 18	23 31.38	+ 8 6.2	1.422	2.339	12.2	20.6
10 28	23 27.58	+ 7 3.6	1.502	2.349	15.9	20.9

50172 2000 AC_{159} 9 20.9 173.°47 2.°2/18.9 18

8 19	0 18.38	− 3 51.3	1.739	2.620	13.4	19.7
8 29	0 12.66	− 4 41.0	1.676	2.622	9.6	19.4
9 8	0 4.95	− 5 38.6	1.636	2.624	5.5	19.2
9 18	23 55.98	− 6 37.9	1.624	2.625	2.2	19.0
9 28	23 46.76	− 7 31.7	1.639	2.626	4.7	19.2
10 8	23 38.36	− 8 13.6	1.681	2.627	8.8	19.4
10 18	23 31.66	− 8 39.6	1.748	2.626	12.6	19.7
10 28	23 27.28	− 8 47.5	1.836	2.626	15.8	19.9

140533 2001 TK_{180} 9 20.9 319.°76 1.°4/22.2 18

8 19	0 16.09	+ 3 58.9	1.815	2.677	13.8	19.7
8 29	0 11.06	+ 3 58.4	1.737	2.669	10.4	19.5
9 8	0 4.08	+ 3 45.2	1.682	2.662	6.4	19.2
9 18	23 55.80	+ 3 21.8	1.653	2.654	2.3	19.0
9 28	23 47.14	+ 2 52.4	1.651	2.647	3.0	19.0
10 8	23 39.14	+ 2 22.4	1.676	2.640	7.1	19.3
10 18	23 32.68	+ 1 57.0	1.726	2.633	11.1	19.5
10 28	23 28.43	+ 1 40.7	1.799	2.627	14.5	19.7

491878 2013 BT_{22} 9 20.9 320.°71 4.°3/17.3 17

8 19	0 13.37	− 7 40.0	1.398	2.304	14.5	21.2
8 29	0 9.66	− 8 40.8	1.321	2.279	10.6	20.9
9 8	0 3.54	− 9 49.5	1.266	2.255	6.5	20.6
9 18	23 55.71	−10 57.7	1.234	2.231	4.3	20.4
9 28	23 47.29	−11 55.4	1.228	2.208	7.2	20.5
10 8	23 39.59	−12 34.1	1.245	2.186	11.7	20.7
10 18	23 33.76	−12 48.8	1.284	2.165	16.0	20.9
10 28	23 30.64	−12 37.7	1.341	2.145	19.8	21.1

479791 2014 ES_{50} 9 20.9 190.°00 3.°7/17.3 18

8 19	0 19.49	−10 56.0	2.225	3.103	11.0	21.9
8 29	0 13.10	−11 34.1	2.159	3.102	8.0	21.7
9 8	0 5.07	−12 12.5	2.119	3.101	5.1	21.5
9 18	23 56.00	−12 46.0	2.107	3.099	3.7	21.4
9 28	23 46.74	−13 9.5	2.124	3.096	5.5	21.5
10 8	23 38.16	−13 19.6	2.170	3.093	8.4	21.7
10 18	23 30.99	−13 14.5	2.241	3.090	11.4	21.9
10 28	23 25.78	−12 54.0	2.334	3.085	13.9	22.1

39472 1978 VJ_3 9 20.9 189.°83 3.°9/25.8 18

8 19	0 13.31	+14 31.4	2.412	3.218	12.6	19.4
8 29	0 8.64	+14 23.8	2.330	3.217	10.1	19.2
9 8	0 2.50	+13 59.2	2.271	3.217	7.3	19.1
9 18	23 55.41	+13 18.5	2.237	3.216	4.8	18.9
9 28	23 48.08	+12 24.9	2.231	3.215	4.0	18.8
10 8	23 41.26	+11 23.3	2.253	3.214	5.8	19.0
10 18	23 35.59	+10 19.4	2.303	3.213	8.5	19.1
10 28	23 31.62	+ 9 18.9	2.378	3.212	11.2	19.3

105762 2000 SJ_{104} 9 20.9 301.°63 0.°5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.81	+ 2 53.2	1.536	2.413	15.1	19.8
8 29	0 10.55	+ 2 25.3	1.451	2.392	11.3	19.5
9 8	0 4.01	+ 1 41.1	1.387	2.371	6.8	19.2
9 18	23 55.83	+ 0 44.6	1.347	2.350	1.8	18.8
9 28	23 47.06	− 0 17.4	1.333	2.330	3.5	18.9
10 8	23 38.92	− 1 16.6	1.346	2.309	8.6	19.2
10 18	23 32.51	− 2 5.4	1.382	2.289	13.3	19.4
10 28	23 28.66	− 2 38.1	1.439	2.269	17.4	19.6

396132 2013 CH_{211} 9 20.9 356.°38 0.°9/20.1 18

8 19	0 14.50	− 0 49.3	1.642	2.526	13.9	21.0
8 29	0 9.97	− 1 23.4	1.578	2.524	10.1	20.8
9 8	0 3.45	− 2 8.2	1.535	2.523	5.8	20.5
9 18	23 55.65	− 2 58.6	1.519	2.522	1.4	20.2
9 28	23 47.58	− 3 47.8	1.528	2.522	3.8	20.4
10 8	23 40.28	− 4 29.2	1.565	2.522	8.3	20.7
10 18	23 34.64	− 4 57.8	1.625	2.522	12.3	20.9
10 28	23 31.30	− 5 10.2	1.707	2.523	15.7	21.1

65245 2002 EH_{130} 9 20.9 343.°02 1.°7/24.7 18

8 19	0 6.34	+10 51.2	4.324	5.136	7.4	19.3
8 29	0 3.05	+10 26.2	4.239	5.135	5.7	19.1
9 8	23 59.05	+ 9 52.6	4.178	5.135	3.9	19.0
9 18	23 54.60	+ 9 11.6	4.146	5.134	2.2	18.9
9 28	23 50.05	+ 8 25.5	4.143	5.134	1.9	18.9
10 8	23 45.75	+ 7 36.8	4.171	5.133	3.3	19.0
10 18	23 42.02	+ 6 48.3	4.227	5.133	5.1	19.1
10 28	23 39.14	+ 6 2.8	4.311	5.133	6.8	19.2

135591 2002 GC_{117} 9 20.9 25.°89 4.°0/17.7 18

8 19	0 13.18	− 4 25.8	1.076	1.990	17.1	19.1
8 29	0 9.62	− 5 56.6	1.034	1.996	12.2	18.8
9 8	0 3.45	− 7 38.8	1.012	2.004	7.1	18.6
9 18	23 55.66	− 9 20.4	1.012	2.012	4.1	18.4
9 28	23 47.66	−10 47.8	1.036	2.021	7.3	18.6
10 8	23 40.88	−11 50.8	1.083	2.031	12.2	18.9
10 18	23 36.41	−12 24.3	1.150	2.041	16.7	19.2
10 28	23 34.86	−12 28.1	1.235	2.053	20.4	19.5

295352 2008 HH_{31} 9 20.9 268.°50 0.°1/21.1 18

8 19	0 15.45	+ 3 11.2	1.554	2.428	15.1	21.3
8 29	0 10.92	+ 2 21.9	1.474	2.414	11.2	21.0
9 8	0 4.17	+ 1 14.9	1.416	2.400	6.6	20.8
9 18	23 55.85	− 0 4.8	1.383	2.386	1.6	20.4
9 28	23 47.05	− 1 28.8	1.376	2.372	3.6	20.5
10 8	23 38.94	− 2 47.8	1.397	2.357	8.7	20.8
10 18	23 32.57	− 3 53.5	1.441	2.343	13.3	21.0
10 28	23 28.72	− 4 40.2	1.507	2.328	17.2	21.2

233450 2006 HH_{111} 9 20.9 61.°33 1.°0/21.8 17

8 19	0 20.07	+ 2 55.0	1.584	2.450	15.3	20.0
8 29	0 13.81	+ 2 51.8	1.539	2.474	11.2	19.8
9 8	0 5.53	+ 2 35.6	1.517	2.498	6.7	19.6
9 18	23 56.10	+ 2 10.2	1.520	2.522	2.1	19.4
9 28	23 46.65	+ 1 40.9	1.550	2.546	3.1	19.5
10 8	23 38.27	+ 1 13.4	1.608	2.571	7.5	19.8
10 18	23 31.81	+ 0 52.7	1.690	2.595	11.4	20.1
10 28	23 27.80	+ 0 42.4	1.795	2.619	14.7	20.4

350108 2011 PX_{14} 9 20.9 245.°19 10.°5/ 4.1 18

8 19	0 15.58	+32 21.5	2.043	2.735	18.0	20.4
8 29	0 10.88	+32 56.1	1.955	2.730	16.1	20.2
9 8	0 4.08	+33 1.5	1.883	2.724	14.1	20.1
9 18	23 55.83	+32 33.9	1.831	2.719	12.1	19.9
9 28	23 47.11	+31 32.8	1.801	2.713	10.8	19.8
10 8	23 39.03	+30 2.5	1.795	2.707	10.7	19.8
10 18	23 32.55	+28 10.9	1.814	2.701	11.8	19.9
10 28	23 28.43	+26 8.7	1.857	2.695	13.7	20.0

385593 2005 AN_{30} 9 20.9 215.°29 7.°2/27.2 18

8 19	0 23.77	+19 58.9	2.214	2.974	15.0	20.9
8 29	0 16.63	+21 2.1	2.123	2.968	12.6	20.7
9 8	0 7.37	+21 46.9	2.054	2.962	10.2	20.6
9 18	23 56.61	+22 10.4	2.010	2.955	8.0	20.4
9 28	23 45.28	+22 12.0	1.994	2.948	7.2	20.4
10 8	23 34.46	+21 54.4	2.005	2.940	8.3	20.4
10 18	23 25.12	+21 22.8	2.044	2.932	10.6	20.6
10 28	23 18.03	+20 44.2	2.106	2.924	13.1	20.7

508986 2005 EP_{97} 9 20.9 208.°42 5.°3/25.9 18

8 19	0 19.81	+15 26.2	2.188	2.983	14.1	21.5
8 29	0 13.60	+15 58.1	2.102	2.979	11.5	21.3
9 8	0 5.52	+16 12.7	2.037	2.974	8.6	21.1
9 18	23 56.16	+16 9.2	1.998	2.969	6.1	20.9
9 28	23 46.39	+15 48.9	1.987	2.964	5.3	20.9
10 8	23 37.17	+15 15.7	2.004	2.958	7.0	21.0
10 18	23 29.35	+14 35.2	2.048	2.952	9.8	21.1
10 28	23 23.60	+13 53.8	2.117	2.945	12.6	21.3

327101 2004 XS_{179} 9 20.9 280°.66 4°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.26	−12 59.2	2.289	3.179	10.2	20.6
8 29	0 8.65	−14 2.3	2.223	3.170	7.6	20.4
9 8	0 2.53	−15 5.4	2.181	3.160	5.2	20.2
9 18	23 55.44	−16 2.6	2.168	3.150	4.6	20.2
9 28	23 48.12	−16 47.9	2.181	3.141	6.3	20.3
10 8	23 41.35	−17 17.1	2.222	3.131	9.0	20.4
10 18	23 35.80	−17 28.0	2.287	3.122	11.7	20.6
10 28	23 32.00	−17 20.4	2.373	3.112	14.0	20.7

353201 2009 SP_{246} 9 20.9 270°.23 0°.0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.35	+ 1 41.6	4.311	5.165	6.6	20.4
8 29	0 3.07	+ 1 4.9	4.229	5.160	4.8	20.3
9 8	23 59.07	+ 0 22.8	4.173	5.155	2.8	20.2
9 18	23 54.63	− 0 22.7	4.147	5.151	0.7	20.0
9 28	23 50.08	− 1 9.1	4.151	5.146	1.5	20.0
10 8	23 45.77	− 1 53.6	4.186	5.141	3.6	20.2
10 18	23 42.02	− 2 34.0	4.249	5.136	5.6	20.3
10 28	23 39.11	− 3 8.1	4.338	5.132	7.3	20.5

347097 2010 GJ_{160} 9 20.9 212°.91 7°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.04	−18 19.7	1.886	2.779	12.0	20.4
8 29	0 10.93	−19 50.2	1.835	2.777	9.3	20.3
9 8	0 3.94	−21 15.9	1.809	2.774	7.4	20.1
9 18	23 55.78	−22 28.1	1.809	2.772	7.4	20.1
9 28	23 47.41	−23 19.4	1.835	2.769	9.3	20.2
10 8	23 39.81	−23 45.4	1.886	2.766	11.9	20.4
10 18	23 33.80	−23 45.3	1.959	2.763	14.5	20.6
10 28	23 29.98	−23 20.9	2.050	2.760	16.8	20.8

65174 2002 CW_{207} 9 20.9 200°.67 0°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.15	− 3 23.3	4.588	5.454	6.0	20.6
8 29	0 3.58	− 3 49.2	4.513	5.453	4.3	20.4
9 8	23 59.34	− 4 18.0	4.466	5.452	2.4	20.3
9 18	23 54.69	− 4 47.7	4.448	5.450	0.8	20.2
9 28	23 49.95	− 5 16.2	4.460	5.449	1.9	20.3
10 8	23 45.45	− 5 41.4	4.502	5.448	3.7	20.4
10 18	23 41.49	− 6 1.5	4.573	5.446	5.5	20.5
10 28	23 38.34	− 6 15.3	4.669	5.445	7.1	20.6

49304 1998 VT_{9} 9 20.9 238°.75 1°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.13	− 1 37.2	1.706	2.584	13.8	19.2
8 29	0 12.66	− 2 13.9	1.631	2.576	10.0	19.0
9 8	0 5.08	− 3 0.9	1.580	2.567	5.8	18.7
9 18	23 56.09	− 3 53.0	1.554	2.558	1.5	18.4
9 28	23 46.70	− 4 43.5	1.556	2.548	4.1	18.6
10 8	23 38.04	− 5 25.5	1.585	2.538	8.6	18.8
10 18	23 31.07	− 5 53.9	1.639	2.528	12.7	19.0
10 28	23 26.48	− 6 5.8	1.714	2.517	16.2	19.2

226299 2003 BJ_{69} 9 20.9 286°.31 1°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.76	− 1 38.4	1.531	2.418	14.5	20.9
8 29	0 11.23	− 2 28.9	1.451	2.400	10.6	20.6
9 8	0 4.40	− 3 32.3	1.393	2.382	6.1	20.3
9 18	23 55.96	− 4 42.5	1.360	2.363	1.9	20.0
9 28	23 46.97	− 5 51.0	1.354	2.345	4.7	20.1
10 8	23 38.68	− 6 49.0	1.373	2.327	9.6	20.4
10 18	23 32.15	− 7 30.1	1.416	2.308	14.1	20.6
10 28	23 28.20	− 7 50.3	1.479	2.290	18.0	20.8

53914 2000 GO_{7} 9 20.9 81°.84 4°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.90	− 8 2.5	1.502	2.399	14.2	18.4
8 29	0 11.72	− 9 20.3	1.458	2.411	10.2	18.2
9 8	0 4.44	−10 42.2	1.437	2.423	6.2	18.0
9 18	23 55.90	−11 59.2	1.441	2.435	4.4	17.9
9 28	23 47.25	−13 2.2	1.471	2.448	6.8	18.1
10 8	23 39.62	−13 44.8	1.527	2.459	10.7	18.3
10 18	23 33.89	−14 4.2	1.606	2.471	14.2	18.6
10 28	23 30.62	−14 0.5	1.705	2.483	17.3	18.8

112505 2002 PM_{21} 9 20.9 337°.11 0°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.16	+ 1 32.0	1.563	2.445	14.6	20.1
8 29	0 9.15	+ 0 50.5	1.493	2.439	10.7	19.9
9 8	0 3.07	− 0 5.5	1.446	2.433	6.2	19.6
9 18	23 55.62	− 1 10.7	1.423	2.427	1.4	19.3
9 28	23 47.82	− 2 17.5	1.427	2.422	3.6	19.4
10 8	23 40.77	− 3 17.8	1.456	2.417	8.4	19.7
10 18	23 35.41	− 4 5.0	1.510	2.413	12.7	20.0
10 28	23 32.41	− 4 34.5	1.584	2.409	16.3	20.2

391934 2008 UT_{350} 9 20.9 314°.89 3°.2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.73	+10 30.5	1.559	2.411	16.2	20.8
8 29	0 8.95	+10 4.4	1.479	2.400	12.6	20.5
9 8	0 3.03	+ 9 15.0	1.420	2.390	8.5	20.2
9 18	23 55.63	+ 8 4.8	1.384	2.379	4.4	20.0
9 28	23 47.78	+ 6 40.0	1.374	2.369	3.8	19.9
10 8	23 40.62	+ 5 9.9	1.390	2.359	7.7	20.1
10 18	23 35.16	+ 3 44.2	1.431	2.350	12.1	20.4
10 28	23 32.13	+ 2 31.3	1.494	2.341	16.0	20.6

486239 Zosiakaczmarek 9 20.9 339°.05 27°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.93	+46 2.3	1.320	1.945	28.8	19.9
8 29	0 18.68	+50 19.3	1.246	1.915	28.3	19.7
9 8	0 10.76	+54 8.7	1.184	1.887	27.9	19.6
9 18	23 57.92	+57 15.0	1.134	1.861	27.6	19.5
9 28	23 41.29	+59 23.0	1.095	1.836	27.5	19.3
10 8	23 23.68	+60 24.6	1.067	1.814	27.6	19.3
10 18	23 8.90	+60 20.8	1.048	1.795	27.8	19.2
10 28	23 0.37	+59 22.5	1.039	1.778	28.3	19.2

115874 2003 UZ_{280} 9 20.9 240°.60 0°.6/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.52	+ 3 38.5	1.596	2.464	15.1	20.6
8 29	0 12.38	+ 3 5.1	1.519	2.456	11.2	20.4
9 8	0 5.00	+ 2 15.2	1.464	2.447	6.8	20.1
9 18	23 56.10	+ 1 13.3	1.434	2.437	1.9	19.7
9 28	23 46.76	+ 0 6.3	1.431	2.427	3.4	19.8
10 8	23 38.15	− 0 57.5	1.455	2.417	8.3	20.1
10 18	23 31.30	− 1 50.9	1.504	2.407	12.7	20.3
10 28	23 26.98	− 2 28.4	1.574	2.396	16.5	20.6

118670 2000 KP_{55} 9 20.9 173°.28 8°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.10	−22 17.8	1.789	2.674	12.9	19.6
8 29	0 13.94	−23 43.6	1.745	2.676	10.4	19.4
9 8	0 5.71	−24 59.8	1.725	2.678	8.8	19.3
9 18	23 56.23	−25 57.4	1.731	2.679	8.9	19.3
9 28	23 46.58	−26 29.4	1.762	2.680	10.6	19.4
10 8	23 37.90	−26 32.8	1.817	2.680	13.1	19.6
10 18	23 31.07	−26 8.6	1.893	2.680	15.6	19.8
10 28	23 26.68	−25 19.8	1.987	2.680	17.7	20.0

214982 2008 AC_{77} 9 20.9 304°.72 2°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.28	− 5 21.9	1.824	2.711	12.6	20.1
8 29	0 10.44	− 6 3.5	1.754	2.703	9.1	19.9
9 8	0 3.73	− 6 51.3	1.707	2.695	5.3	19.6
9 18	23 55.79	− 7 39.7	1.687	2.687	2.5	19.5
9 28	23 47.54	− 8 22.3	1.694	2.680	4.8	19.6
10 8	23 39.97	− 8 53.3	1.727	2.672	8.7	19.8
10 18	23 33.93	− 9 9.1	1.785	2.665	12.3	20.0
10 28	23 30.04	− 9 7.7	1.865	2.658	15.5	20.2

362589 2010 VX_{181} 9 20.9 97°.46 3°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.00	−11 33.8	2.348	3.233	10.2	20.9
8 29	0 9.73	−12 24.9	2.300	3.246	7.4	20.7
9 8	0 3.07	−13 15.6	2.278	3.259	4.8	20.6
9 18	23 55.60	−14 0.8	2.283	3.271	3.8	20.5
9 28	23 48.05	−14 35.4	2.317	3.284	5.5	20.7
10 8	23 41.15	−14 56.1	2.379	3.296	8.1	20.8
10 18	23 35.52	−15 1.3	2.465	3.308	10.7	21.0
10 28	23 31.60	−14 50.8	2.573	3.320	12.9	21.2

11799 Lantz 9 20.9 24°.10 4°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.14	+13 29.6	1.721	2.556	15.7	17.4
8 29	0 7.48	+13 5.4	1.657	2.564	12.4	17.2
9 8	0 2.00	+12 18.4	1.614	2.573	8.7	17.0
9 18	23 55.38	+11 11.1	1.594	2.582	5.2	16.8
9 28	23 48.55	+ 9 49.4	1.601	2.592	4.2	16.8
10 8	23 42.46	+ 8 21.5	1.635	2.603	6.9	17.0
10 18	23 37.91	+ 6 56.1	1.694	2.614	10.4	17.2
10 28	23 35.47	+ 5 40.7	1.777	2.626	13.7	17.4

20219 Brianstone 9 20.9 181°.07 3°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.83	+13 7.2	2.390	3.201	12.6	18.6
8 29	0 9.75	+12 36.4	2.308	3.202	9.9	18.4
9 8	0 3.18	+11 48.2	2.249	3.203	6.9	18.2
9 18	23 55.65	+10 44.3	2.216	3.203	4.1	18.0
9 28	23 47.89	+ 9 29.1	2.212	3.203	3.3	18.0
10 8	23 40.66	+ 8 8.4	2.238	3.201	5.7	18.1
10 18	23 34.64	+ 6 48.8	2.292	3.200	8.7	18.3
10 28	23 30.34	+ 5 36.0	2.372	3.197	11.5	18.5

361566 2007 RH_{84} 9 20.9 22°.68 3°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.68	− 2 55.8	0.898	1.818	19.0	19.7
8 29	0 9.57	− 4 7.7	0.861	1.826	13.6	19.5
9 8	0 3.56	− 5 33.8	0.842	1.836	7.7	19.2
9 18	23 55.76	− 7 1.9	0.844	1.847	3.3	19.0
9 28	23 47.78	− 8 18.1	0.868	1.859	6.9	19.3
10 8	23 41.22	− 9 11.4	0.914	1.872	12.4	19.6
10 18	23 37.23	− 9 36.4	0.978	1.887	17.4	19.9
10 28	23 36.44	− 9 32.4	1.060	1.902	21.4	20.3

477753 2010 VN_{129} 9 20.9 219°.59 7°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.72	−25 49.7	2.700	3.567	9.7	21.3
8 29	0 11.72	−26 48.6	2.646	3.560	8.1	21.1
9 8	0 4.25	−27 38.7	2.618	3.552	7.1	21.1
9 18	23 55.89	−28 14.3	2.616	3.543	7.3	21.1
9 28	23 47.38	−28 31.0	2.640	3.534	8.5	21.1
10 8	23 39.46	−28 27.1	2.691	3.525	10.2	21.2
10 18	23 32.80	−28 2.5	2.764	3.515	12.0	21.4
10 28	23 27.88	−27 19.2	2.856	3.506	13.6	21.5

334358 2001 YV_{119} 9 20.9 236°.13 2°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.98	+ 9 17.3	2.869	3.691	10.4	21.8
8 29	0 9.00	+ 8 52.9	2.769	3.674	8.0	21.6
9 8	0 2.72	+ 8 15.8	2.693	3.657	5.3	21.4
9 18	23 55.56	+ 7 27.7	2.645	3.639	2.7	21.2
9 28	23 48.11	+ 6 31.9	2.626	3.620	2.4	21.2
10 8	23 41.00	+ 5 32.6	2.638	3.600	5.0	21.3
10 18	23 34.84	+ 4 34.6	2.679	3.580	7.9	21.5
10 28	23 30.11	+ 3 42.3	2.745	3.559	10.5	21.6

481677 2007 YP_{20} 9 20.9 284°.60 1°.6/22.5 18

8 19	0 14.57	+ 5 54.5	1.908	2.763	13.5	21.6
8 29	0 9.98	+ 5 34.3	1.820	2.748	10.2	21.4
9 8	0 3.52	+ 4 58.9	1.756	2.733	6.5	21.1
9 18	23 55.77	+ 4 10.8	1.717	2.718	2.5	20.8
9 28	23 47.60	+ 3 15.1	1.706	2.702	2.9	20.8
10 8	23 39.98	+ 2 18.3	1.722	2.687	7.0	21.0
10 18	23 33.77	+ 1 26.6	1.765	2.672	10.9	21.2
10 28	23 29.65	+ 0 45.7	1.830	2.656	14.4	21.4

225124 2008 EZ_{134} 9 20.9 43°.61 2°.8/18.9 17

8 19	0 18.09	− 4 34.3	1.181	2.083	16.8	20.0
8 29	0 12.92	− 5 18.1	1.142	2.098	12.1	19.8
9 8	0 5.26	− 6 10.0	1.124	2.115	6.9	19.6
9 18	23 56.14	− 7 1.7	1.130	2.132	2.9	19.4
9 28	23 46.96	− 7 44.2	1.160	2.149	5.8	19.6
10 8	23 39.10	− 8 10.5	1.214	2.167	10.6	20.0
10 18	23 33.56	− 8 17.1	1.290	2.186	14.9	20.3
10 28	23 30.91	− 8 3.5	1.385	2.205	18.5	20.6

438586 2007 UZ_{117} 9 20.9 58°.56 1°.6/22.5 18

8 19	0 14.83	+ 6 5.8	1.776	2.634	14.2	21.0
8 29	0 10.11	+ 5 40.0	1.709	2.638	10.7	20.7
9 8	0 3.52	+ 4 58.2	1.665	2.643	6.7	20.5
9 18	23 55.75	+ 4 4.0	1.647	2.647	2.6	20.3
9 28	23 47.74	+ 3 3.2	1.655	2.651	2.9	20.3
10 8	23 40.47	+ 2 2.9	1.691	2.656	7.0	20.6
10 18	23 34.76	+ 1 9.5	1.753	2.661	10.9	20.8
10 28	23 31.21	+ 0 28.2	1.837	2.665	14.2	21.1

350368 2012 UG_{151} 9 20.9 10°.48 3°.8/18.3 18

8 19	0 12.85	− 6 24.1	1.077	1.993	16.9	19.1
8 29	0 9.42	− 7 8.3	1.033	1.997	12.1	18.8
9 8	0 3.38	− 7 59.4	1.010	2.002	7.1	18.6
9 18	23 55.73	− 8 48.3	1.008	2.008	3.8	18.4
9 28	23 47.87	− 9 25.4	1.029	2.016	6.8	18.6
10 8	23 41.22	− 9 43.4	1.073	2.026	11.6	18.9
10 18	23 36.85	− 9 39.1	1.137	2.038	16.1	19.2
10 28	23 35.40	− 9 12.1	1.219	2.051	19.8	19.5

24908 1997 CE_{22} 9 20.9 253°.82 0°.4/21.3 18

8 19	0 20.37	+ 1 33.0	1.651	2.519	14.7	18.6
8 29	0 14.48	+ 1 23.0	1.568	2.505	10.9	18.4
9 8	0 6.28	+ 1 0.7	1.508	2.491	6.5	18.1
9 18	23 56.45	+ 0 29.4	1.473	2.476	1.7	17.7
9 28	23 46.09	− 0 5.5	1.466	2.461	3.4	17.8
10 8	23 36.41	− 0 37.7	1.485	2.446	8.3	18.1
10 18	23 28.51	− 1 1.7	1.530	2.430	12.7	18.3
10 28	23 23.18	− 1 13.0	1.597	2.414	16.5	18.5

513842 2013 GP_{18} 9 20.9 119°.21 3°.8/16.3 18

8 19	0 15.51	−12 18.3	2.563	3.445	9.6	22.4
8 29	0 9.99	−13 11.9	2.517	3.461	7.0	22.2
9 8	0 3.19	−14 4.5	2.497	3.476	4.6	22.1
9 18	23 55.65	−14 51.2	2.506	3.491	3.8	22.1
9 28	23 48.05	−15 27.5	2.543	3.506	5.3	22.2
10 8	23 41.07	−15 50.2	2.609	3.520	7.7	22.4
10 18	23 35.27	−15 57.9	2.700	3.534	10.1	22.5
10 28	23 31.08	−15 50.4	2.813	3.547	12.2	22.7

285069 2011 KB_{23} 9 20.9 82°.90 2°.0/22.9 16

8 19	0 15.67	+ 7 51.3	1.671	2.525	15.2	21.3
8 29	0 10.73	+ 7 15.8	1.613	2.539	11.5	21.1
9 8	0 3.87	+ 6 21.8	1.578	2.553	7.3	20.9
9 18	23 55.83	+ 5 13.4	1.567	2.566	3.1	20.6
9 28	23 47.64	+ 3 57.6	1.584	2.580	3.1	20.7
10 8	23 40.30	+ 2 42.4	1.628	2.594	7.1	21.0
10 18	23 34.66	+ 1 35.3	1.698	2.607	11.1	21.2
10 28	23 31.27	+ 0 42.0	1.790	2.621	14.5	21.5

42176 2001 CK_{22} 9 20.9 219°.38 1°.7/24.6 18

8 19	0 8.15	+10 9.3	4.802	5.611	6.7	20.1
8 29	0 4.32	+10 6.7	4.713	5.607	5.2	19.9
9 8	23 59.81	+ 9 57.0	4.649	5.603	3.6	19.8
9 18	23 54.87	+ 9 41.2	4.613	5.600	2.1	19.7
9 28	23 49.82	+ 9 20.6	4.607	5.596	1.8	19.7
10 8	23 44.99	+ 8 57.1	4.631	5.592	3.1	19.8
10 18	23 40.68	+ 8 32.8	4.685	5.588	4.7	19.9
10 28	23 37.16	+ 8 9.7	4.766	5.584	6.3	20.0

396787 2004 FH_{117} 9 20.9 144°.54 1°.9/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.53	+ 8 56.7	2.530	3.359	11.4	22.1
8 29	0 9.39	+ 8 25.7	2.459	3.369	8.7	21.9
9 8	0 2.90	+ 7 41.1	2.412	3.379	5.7	21.7
9 18	23 55.60	+ 6 45.6	2.393	3.389	2.7	21.5
9 28	23 48.15	+ 5 43.4	2.404	3.398	2.5	21.5
10 8	23 41.25	+ 4 39.6	2.444	3.406	5.3	21.7
10 18	23 35.47	+ 3 39.3	2.512	3.414	8.3	21.9
10 28	23 31.30	+ 2 46.9	2.605	3.422	10.9	22.1

151380 2002 EF_{47} 9 20.9 300°.16 1°.7/22.5 18

8 19	0 16.75	+ 4 45.8	2.050	2.903	12.8	20.0
8 29	0 11.41	+ 4 51.9	1.969	2.894	9.7	19.8
9 8	0 4.28	+ 4 46.5	1.910	2.886	6.1	19.6
9 18	23 55.96	+ 4 31.3	1.878	2.878	2.5	19.3
9 28	23 47.29	+ 4 9.7	1.874	2.870	2.8	19.3
10 8	23 39.19	+ 3 46.2	1.898	2.862	6.5	19.6
10 18	23 32.47	+ 3 25.3	1.949	2.854	10.1	19.8
10 28	23 27.77	+ 3 11.2	2.023	2.846	13.3	20.0

381065 2006 XQ_{60} 9 21.0 4°.37 5°.3/24.7 18

8 19	0 16.34	+10 46.8	1.189	2.052	19.5	20.4
8 29	0 12.06	+11 18.9	1.127	2.051	15.4	20.2
9 8	0 5.05	+11 26.7	1.084	2.051	10.8	19.9
9 18	23 56.19	+11 10.2	1.062	2.052	6.6	19.7
9 28	23 46.84	+10 33.5	1.063	2.054	5.6	19.6
10 8	23 38.54	+ 9 44.8	1.088	2.057	9.2	19.9
10 18	23 32.53	+ 8 53.9	1.135	2.061	13.7	20.1
10 28	23 29.61	+ 8 10.1	1.201	2.066	17.9	20.4

103854 2000 DJ_{37} 9 21.0 146°.48 0°.5/21.4 18

8 19	0 19.94	+ 1 56.6	1.652	2.519	14.7	20.2
8 29	0 13.94	+ 1 42.9	1.587	2.523	10.8	20.0
9 8	0 5.81	+ 1 16.8	1.545	2.527	6.4	19.7
9 18	23 56.32	+ 0 42.2	1.528	2.531	1.7	19.5
9 28	23 46.56	+ 0 4.5	1.539	2.535	3.2	19.6
10 8	23 37.66	− 0 29.8	1.577	2.538	7.8	19.9
10 18	23 30.58	− 0 55.7	1.640	2.541	12.0	20.1
10 28	23 25.96	− 1 9.2	1.725	2.543	15.5	20.4

147037 2002 RZ_{51} 9 21.0 328°.38 3°.5/17.9 18

8 19	0 13.07	− 3 58.8	1.258	2.163	15.8	18.9
8 29	0 9.53	− 5 20.0	1.195	2.154	11.4	18.7
9 8	0 3.52	− 6 54.3	1.154	2.145	6.6	18.4
9 18	23 55.84	− 8 32.0	1.136	2.136	3.5	18.2
9 28	23 47.72	−10 0.8	1.143	2.129	6.7	18.3
10 8	23 40.51	−11 10.0	1.174	2.122	11.5	18.6
10 18	23 35.34	−11 53.3	1.226	2.115	16.1	18.8
10 28	23 32.96	−12 8.1	1.297	2.109	19.9	19.1

317764 2003 SW_{91} 9 21.0 214°.42 2°.0/23.2 18

8 19	0 15.70	+ 6 57.7	2.416	3.253	11.6	20.5
8 29	0 10.38	+ 7 0.2	2.336	3.251	8.9	20.3
9 8	0 3.58	+ 6 51.2	2.280	3.250	5.8	20.1
9 18	23 55.81	+ 6 32.2	2.252	3.248	2.8	19.9
9 28	23 47.79	+ 6 6.1	2.252	3.246	2.7	19.9
10 8	23 40.28	+ 5 37.0	2.281	3.244	5.6	20.1
10 18	23 33.94	+ 5 9.0	2.337	3.242	8.7	20.3
10 28	23 29.31	+ 4 46.1	2.419	3.239	11.5	20.5

66562 1999 RO_{136} 9 21.0 28°.27 0°.5/20.7 18

8 19	0 14.81	+ 0 40.7	1.219	2.114	16.9	18.7
8 29	0 10.56	+ 0 9.3	1.175	2.126	12.3	18.4
9 8	0 3.95	− 0 36.6	1.151	2.140	7.1	18.2
9 18	23 55.90	− 1 30.5	1.151	2.155	1.6	17.9
9 28	23 47.71	− 2 23.6	1.175	2.170	4.1	18.1
10 8	23 40.67	− 3 7.7	1.223	2.187	9.2	18.5
10 18	23 35.77	− 3 36.8	1.294	2.204	13.8	18.8
10 28	23 33.58	− 3 47.6	1.385	2.222	17.5	19.1

200491 2000 YA_{64} 9 21.0 237°.89 3°.9/16.7 18

8 19	0 15.72	− 8 57.3	1.979	2.867	11.7	20.2
8 29	0 10.71	−10 9.5	1.908	2.857	8.5	20.0
9 8	0 3.90	−11 26.0	1.862	2.847	5.3	19.8
9 18	23 55.90	−12 39.6	1.844	2.836	4.0	19.7
9 28	23 47.59	−13 43.0	1.853	2.825	6.1	19.8
10 8	23 39.90	−14 30.1	1.889	2.813	9.5	20.0
10 18	23 33.64	−14 57.6	1.950	2.801	12.7	20.1
10 28	23 29.42	−15 4.2	2.031	2.789	15.5	20.3

206655 2003 YN_{35} 9 21.0 175°.60 6°.1/27.8 18

8 19	0 16.49	+19 28.5	2.153	2.931	14.8	20.5
8 29	0 11.23	+19 43.6	2.072	2.932	12.3	20.4
9 8	0 4.20	+19 37.4	2.011	2.933	9.6	20.2
9 18	23 55.99	+19 9.4	1.975	2.934	7.1	20.0
9 28	23 47.46	+18 21.6	1.965	2.934	6.1	20.0
10 8	23 39.52	+17 19.2	1.983	2.935	7.2	20.1
10 18	23 32.97	+16 8.8	2.027	2.934	9.7	20.2
10 28	23 28.44	+14 58.0	2.096	2.934	12.3	20.4