2020	α_{2000}	δ_{2000}	Δ	r	β	V
72064 2000 YG_{19}			9 12.9 119°.97		1°.5/11.8 18	
	h m	° ′			°	m
8 9	23 51.81	− 4 43.7	1.519	2.388	15.8	19.8
8 19	23 46.47	− 5 22.6	1.460	2.397	11.7	19.5
8 29	23 38.76	− 6 12.9	1.423	2.406	7.1	19.3
9 8	23 29.50	− 7 8.3	1.410	2.415	2.4	19.0
9 18	23 19.77	− 8 1.3	1.425	2.423	3.5	19.1
9 28	23 10.80	− 8 44.8	1.465	2.431	8.1	19.4
10 8	23 3.63	− 9 13.6	1.531	2.439	12.4	19.7
10 18	22 58.96	− 9 25.2	1.617	2.446	16.0	20.0
477163 2009 ED_{9}			9 12.9 314°.22		7°.3/ 4.1 18	
8 9	23 42.89	−15 48.3	1.576	2.475	13.7	20.3
8 19	23 40.06	−18 20.7	1.512	2.462	10.4	20.1
8 29	23 34.98	−20 59.4	1.473	2.449	7.9	19.9
9 8	23 28.29	−23 31.1	1.460	2.436	7.6	19.9
9 18	23 20.91	−25 42.5	1.473	2.424	9.9	20.0
9 28	23 13.98	−27 23.2	1.511	2.413	13.2	20.2
10 8	23 8.59	−28 28.4	1.570	2.401	16.4	20.4
10 18	23 5.50	−28 58.4	1.647	2.391	19.2	20.6
204796 2006 QX_{102}			9 12.9 147°.37		1°.1/14.2 18	
8 9	23 48.72	+ 1 31.0	2.247	3.080	12.6	21.0
8 19	23 43.54	+ 1 16.4	2.173	3.087	9.6	20.9
8 29	23 36.70	+ 0 50.0	2.123	3.094	6.2	20.7
9 8	23 28.78	+ 0 14.7	2.099	3.100	2.6	20.4
9 18	23 20.48	− 0 25.8	2.104	3.106	1.8	20.4
9 28	23 12.63	− 1 6.6	2.138	3.111	5.3	20.7
10 8	23 5.97	− 1 43.2	2.200	3.116	8.7	20.9
10 18	23 1.03	− 2 11.9	2.286	3.121	11.7	21.1
265247 2004 EK_{38}			9 12.9 203°.69		3°.9/ 9.8 17	
8 9	23 52.21	−11 40.4	1.673	2.549	14.2	20.5
8 19	23 46.73	−12 26.6	1.607	2.547	10.6	20.2
8 29	23 38.94	−13 17.3	1.563	2.545	6.7	20.0
9 8	23 29.59	−14 5.4	1.544	2.542	4.0	19.8
9 18	23 19.69	−14 43.6	1.553	2.539	5.5	19.9
9 28	23 10.44	−15 6.2	1.588	2.536	9.3	20.1
10 8	23 2.86	−15 10.1	1.647	2.533	13.0	20.4
10 18	22 57.68	−14 54.9	1.728	2.529	16.3	20.6
303123 2004 CC_{56}			9 12.9 96°.29		2°.1/10.9 18	
8 9	23 48.52	− 7 52.6	1.919	2.788	13.0	21.1
8 19	23 43.65	− 8 28.5	1.852	2.790	9.6	20.9
8 29	23 36.89	− 9 10.9	1.809	2.793	5.9	20.7
9 8	23 28.87	− 9 54.7	1.792	2.795	2.5	20.5
9 18	23 20.43	−10 34.1	1.803	2.797	3.7	20.6
9 28	23 12.53	−11 3.8	1.841	2.800	7.4	20.8
10 8	23 6.02	−11 20.3	1.904	2.802	10.9	21.0
10 18	23 1.49	−11 21.8	1.990	2.804	14.0	21.2
72357 2001 BA_{75}			9 12.9 93°.46		3°.2/ 9.0 18	
8 9	23 44.66	−10 58.6	2.291	3.165	11.0	19.3
8 19	23 40.51	−12 4.6	2.230	3.170	8.1	19.1
8 29	23 34.83	−13 14.7	2.193	3.176	5.1	18.9
9 8	23 28.15	−14 23.0	2.184	3.181	3.2	18.8
9 18	23 21.15	−15 23.8	2.203	3.186	4.5	18.9
9 28	23 14.58	−16 11.9	2.250	3.191	7.4	19.1
10 8	23 9.11	−16 44.2	2.323	3.196	10.2	19.3
10 18	23 5.26	−16 59.5	2.418	3.201	12.7	19.5
147837 2005 TM_{144}			9 12.9 168°.85		1°.9/10.9 18	
8 9	23 45.97	− 6 54.5	2.170	3.036	11.8	20.6
8 19	23 41.58	− 7 41.1	2.100	3.037	8.7	20.4
8 29	23 35.54	− 8 35.0	2.054	3.037	5.3	20.2
9 8	23 28.41	− 9 31.0	2.035	3.038	2.2	20.0
9 18	23 20.89	−10 23.6	2.044	3.038	3.3	20.1
9 28	23 13.80	−11 7.6	2.081	3.038	6.7	20.3
10 8	23 7.89	−11 39.1	2.144	3.039	10.0	20.5
10 18	23 3.68	−11 55.8	2.230	3.039	12.8	20.7
334703 2003 EN_{43}			9 12.9 42°.83		2°.8/16.4 15	
8 9	23 48.94	+11 59.5	1.567	2.377	18.2	19.4
8 19	23 43.78	+10 19.0	1.539	2.433	14.1	19.3
8 29	23 36.74	+ 8 13.4	1.532	2.488	9.5	19.1
9 8	23 28.72	+ 5 50.5	1.551	2.543	5.0	19.0
9 18	23 20.71	+ 3 21.4	1.598	2.597	2.9	19.0
9 28	23 13.69	+ 0 57.9	1.675	2.651	6.1	19.3
10 8	23 8.41	− 1 9.9	1.779	2.705	9.8	19.7
10 18	23 5.26	− 2 56.0	1.908	2.758	13.0	20.0
147277 2002 YC_{31}			9 12.9 104°.55		6°.0/18.6 18	
8 9	23 53.18	+13 38.8	1.848	2.630	16.8	20.0
8 19	23 47.18	+14 7.4	1.785	2.650	13.9	19.9
8 29	23 39.08	+14 14.1	1.741	2.669	10.6	19.7
9 8	23 29.61	+13 58.6	1.721	2.688	7.5	19.6
9 18	23 19.72	+13 23.1	1.728	2.707	6.0	19.5
9 28	23 10.48	+12 32.9	1.761	2.725	7.2	19.6
10 8	23 2.83	+11 35.2	1.821	2.743	9.9	19.8
10 18	22 57.40	+10 37.4	1.906	2.760	12.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480631 2015 NL_{7}			9 13.0 37°.20		4°.1/17.2 18	
	h m	° ′			°	m
8 9	23 46.21	+ 9 45.7	1.846	2.660	15.7	21.3
8 19	23 42.09	+ 9 43.0	1.769	2.662	12.6	21.1
8 29	23 36.02	+ 9 19.7	1.713	2.664	9.2	20.9
9 8	23 28.61	+ 8 37.3	1.681	2.666	5.7	20.7
9 18	23 20.69	+ 7 39.3	1.675	2.669	4.1	20.6
9 28	23 13.24	+ 6 32.1	1.697	2.671	6.3	20.8
10 8	23 7.16	+ 5 23.1	1.744	2.674	9.7	21.0
10 18	23 3.08	+ 4 19.4	1.815	2.677	13.0	21.2
365782 2010 XC_{73}			9 13.0 281°.14		5°.3/ 6.9 18	
8 9	23 46.95	−18 0.7	2.188	3.066	11.2	20.7
8 19	23 42.39	−19 2.8	2.122	3.060	8.6	20.6
8 29	23 36.08	−20 4.0	2.081	3.053	6.2	20.4
9 8	23 28.60	−20 57.9	2.066	3.046	5.3	20.3
9 18	23 20.71	−21 38.5	2.078	3.040	6.6	20.4
9 28	23 13.27	−22 1.4	2.116	3.033	9.2	20.6
10 8	23 7.06	−22 4.6	2.179	3.026	11.8	20.7
10 18	23 2.66	−21 48.5	2.263	3.020	14.2	20.9
47653 2000 CD_{45}			9 13.0 114°.73		1°.0/11.8 18	
8 9	23 45.17	− 2 6.8	1.964	2.824	13.1	18.7
8 19	23 41.11	− 3 19.4	1.898	2.831	9.7	18.5
8 29	23 35.30	− 4 44.8	1.855	2.837	5.9	18.3
9 8	23 28.34	− 6 17.0	1.840	2.844	1.9	18.0
9 18	23 20.99	− 7 48.6	1.852	2.851	2.8	18.1
9 28	23 14.12	− 9 11.9	1.893	2.857	6.7	18.4
10 8	23 8.52	−10 20.9	1.960	2.863	10.4	18.6
10 18	23 4.74	−11 12.0	2.051	2.869	13.5	18.8
145497 2005 XZ_{67}			9 13.0 296°.82		2°.4/10.1 18	
8 9	23 43.48	− 7 30.3	2.183	3.054	11.5	20.0
8 19	23 39.82	− 8 35.7	2.102	3.043	8.5	19.8
8 29	23 34.53	− 9 49.4	2.047	3.031	5.2	19.6
9 8	23 28.10	−11 5.7	2.018	3.020	2.5	19.4
9 18	23 21.21	−12 18.1	2.017	3.008	3.9	19.5
9 28	23 14.65	−13 20.4	2.044	2.997	7.2	19.7
10 8	23 9.19	−14 8.0	2.097	2.986	10.5	19.9
10 18	23 5.38	−14 38.2	2.173	2.975	13.4	20.0
328246 2008 FE_{90}			9 13.0 102°.83		0°.4/12.7 17	
8 9	23 52.94	− 3 10.5	1.533	2.396	16.0	21.0
8 19	23 47.28	− 3 29.2	1.475	2.408	12.0	20.8
8 29	23 39.25	− 3 59.7	1.438	2.419	7.4	20.5
9 8	23 29.69	− 4 37.1	1.426	2.430	2.4	20.3
9 18	23 19.69	− 5 15.2	1.440	2.441	2.7	20.3
9 28	23 10.47	− 5 47.6	1.482	2.452	7.5	20.6
10 8	23 3.08	− 6 9.3	1.548	2.462	11.8	20.9
10 18	22 58.18	− 6 17.4	1.636	2.473	15.5	21.2
287712 2003 QR_{85}			9 13.0 333°.56		2°.5/16.0 18	
8 9	23 40.26	+ 8 21.6	1.872	2.702	14.9	19.8
8 19	23 37.70	+ 7 30.0	1.782	2.689	11.8	19.6
8 29	23 33.35	+ 6 15.1	1.713	2.676	8.2	19.4
9 8	23 27.73	+ 4 40.2	1.669	2.664	4.4	19.1
9 18	23 21.57	+ 2 51.2	1.652	2.652	2.7	19.0
9 28	23 15.76	+ 0 56.9	1.662	2.641	5.9	19.2
10 8	23 11.14	− 0 53.1	1.700	2.631	9.8	19.4
10 18	23 8.35	− 2 30.6	1.761	2.621	13.5	19.6
95712 2003 AT_{2}			9 13.0 10°.04		3°.9/13.8 18	
8 9	0 11.05	− 4 5.9	0.891	1.763	23.8	18.0
8 19	0 2.76	− 1 55.7	0.830	1.763	18.6	17.7
8 29	23 49.84	+ 0 12.1	0.787	1.764	12.4	17.3
9 8	23 33.50	+ 2 13.2	0.765	1.766	5.9	17.0
9 18	23 15.88	+ 4 1.8	0.769	1.768	5.1	17.0
9 28	22 59.69	+ 5 34.2	0.796	1.771	11.1	17.3
10 8	22 47.14	+ 6 51.6	0.846	1.775	17.2	17.7
10 18	22 39.36	+ 7 58.2	0.913	1.779	22.3	18.0
400698 2009 RG_{7}			9 13.0 348°.86		2°.7/14.9 17	
8 9	23 45.40	+ 1 55.8	1.458	2.321	16.6	19.4
8 19	23 42.03	+ 2 28.0	1.380	2.308	13.0	19.2
8 29	23 36.26	+ 2 45.7	1.322	2.296	8.8	18.9
9 8	23 28.77	+ 2 49.8	1.286	2.285	4.5	18.6
9 18	23 20.54	+ 2 43.3	1.275	2.275	3.2	18.5
9 28	23 12.78	+ 2 30.8	1.289	2.268	7.2	18.8
10 8	23 6.65	+ 2 18.3	1.326	2.262	11.7	19.0
10 18	23 2.96	+ 2 10.9	1.385	2.257	15.7	19.2
249300 2008 UY			9 13.0 157°.58		2°.1/11.0 17	
8 9	23 49.31	− 6 59.6	1.814	2.683	13.6	20.8
8 19	23 44.36	− 7 43.9	1.747	2.685	10.1	20.6
8 29	23 37.39	− 8 36.3	1.704	2.687	6.1	20.4
9 8	23 29.07	− 9 31.1	1.687	2.690	2.5	20.2
9 18	23 20.30	−10 21.7	1.697	2.692	3.8	20.3
9 28	23 12.09	−11 2.0	1.734	2.693	7.7	20.5
10 8	23 5.36	−11 27.7	1.797	2.695	11.4	20.7
10 18	23 0.72	−11 37.0	1.882	2.696	14.6	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
137659 1999 XD_{12}			9 13.0 301°.12		2°.6/14.6 18	
	h m	° ′			°	m
8 9	23 50.96	+ 2 0.1	1.379	2.237	17.7	19.6
8 19	23 46.71	+ 2 21.0	1.282	2.207	14.0	19.3
8 29	23 39.53	+ 2 25.8	1.204	2.178	9.5	18.9
9 8	23 30.02	+ 2 15.3	1.149	2.148	4.6	18.6
9 18	23 19.21	+ 1 52.5	1.118	2.119	3.3	18.4
9 28	23 8.61	+ 1 23.4	1.112	2.089	8.3	18.6
10 8	22 59.72	+ 0 55.6	1.129	2.060	13.7	18.8
10 18	22 53.71	+ 0 35.6	1.167	2.031	18.5	19.0
126104 2001 YB_{108}			9 13.0 188°.85		5°.8/ 6.7 18	
8 9	23 46.90	−14 42.5	1.738	2.625	13.2	19.8
8 19	23 42.73	−16 28.4	1.680	2.625	9.9	19.6
8 29	23 36.47	−18 17.8	1.646	2.624	6.9	19.4
9 8	23 28.79	−20 0.7	1.638	2.624	5.8	19.3
9 18	23 20.61	−21 27.8	1.657	2.623	7.6	19.4
9 28	23 12.98	−22 31.6	1.702	2.622	10.8	19.6
10 8	23 6.87	−23 8.7	1.770	2.621	13.9	19.8
10 18	23 2.91	−23 19.3	1.857	2.620	16.7	20.0
390422 2013 YB_{34}			9 13.0 191°.36		0°.8/13.8 18	
8 9	23 48.16	+ 1 22.4	2.061	2.901	13.3	22.2
8 19	23 43.35	+ 0 50.2	1.982	2.900	10.2	22.0
8 29	23 36.73	+ 0 4.0	1.925	2.899	6.5	21.7
9 8	23 28.86	− 0 52.4	1.894	2.897	2.5	21.5
9 18	23 20.53	− 1 54.0	1.892	2.894	1.9	21.4
9 28	23 12.61	− 2 54.7	1.919	2.891	5.9	21.7
10 8	23 5.94	− 3 48.7	1.972	2.888	9.6	21.9
10 18	23 1.13	− 4 31.4	2.050	2.884	12.9	22.1
139862 2001 RQ_{65}			9 13.0 342°.60		2°.1/14.6 18	
8 9	23 48.68	+ 1 30.1	1.627	2.480	15.7	19.2
8 19	23 44.23	+ 1 49.2	1.549	2.472	12.2	18.9
8 29	23 37.50	+ 1 54.4	1.493	2.465	8.1	18.7
9 8	23 29.18	+ 1 47.7	1.460	2.459	3.8	18.4
9 18	23 20.20	+ 1 32.2	1.453	2.454	2.7	18.3
9 28	23 11.71	+ 1 13.0	1.472	2.449	6.8	18.6
10 8	23 4.79	+ 0 55.4	1.517	2.445	11.0	18.8
10 18	23 0.17	+ 0 44.2	1.583	2.441	14.8	19.1
398299 2010 VO_{203}			9 13.0 21°.74		2°.5/10.7 18	
8 9	23 49.40	−10 10.9	2.078	2.946	12.1	20.6
8 19	23 44.19	−10 34.2	2.010	2.947	9.0	20.4
8 29	23 37.18	−11 1.2	1.966	2.948	5.6	20.2
9 8	23 29.00	−11 27.2	1.948	2.949	2.7	20.0
9 18	23 20.43	−11 47.7	1.958	2.950	3.8	20.1
9 28	23 12.37	−11 58.4	1.996	2.951	7.2	20.3
10 8	23 5.63	−11 56.9	2.060	2.953	10.5	20.5
10 18	23 0.78	−11 42.3	2.147	2.954	13.3	20.7
280037 2001 YE_{67}			9 13.0 311°.51		7°.6/ 6.6 18	
8 9	23 48.14	−17 45.2	1.366	2.264	15.4	20.2
8 19	23 44.49	−19 4.0	1.289	2.237	12.0	19.9
8 29	23 38.03	−20 25.3	1.234	2.211	8.8	19.7
9 8	23 29.45	−21 37.9	1.201	2.185	7.7	19.5
9 18	23 19.89	−22 30.7	1.192	2.160	9.8	19.6
9 28	23 10.84	−22 54.9	1.207	2.135	13.5	19.7
10 8	23 3.66	−22 47.1	1.241	2.110	17.5	19.9
10 18	22 59.33	−22 8.6	1.293	2.087	21.1	20.1
215705 2004 AR_{7}			9 13.0 225°.49		0°.8/12.3 18	
8 9	23 48.94	− 1 59.0	1.824	2.680	14.1	21.0
8 19	23 44.24	− 2 52.9	1.741	2.671	10.6	20.8
8 29	23 37.45	− 4 1.3	1.680	2.661	6.5	20.5
9 8	23 29.16	− 5 18.7	1.646	2.651	2.1	20.2
9 18	23 20.25	− 6 38.1	1.640	2.639	2.8	20.3
9 28	23 11.75	− 7 51.4	1.661	2.628	7.3	20.5
10 8	23 4.64	− 8 52.0	1.709	2.615	11.4	20.8
10 18	22 59.64	− 9 35.5	1.779	2.602	15.0	21.0
92944 2000 RK_{38}			9 13.0 358°.06		1°.6/11.9 18	
8 9	23 46.99	− 5 14.9	1.293	2.180	16.8	19.0
8 19	23 43.34	− 5 40.8	1.230	2.177	12.6	18.8
8 29	23 37.09	− 6 18.9	1.188	2.175	7.7	18.5
9 8	23 29.06	− 7 3.0	1.169	2.173	2.6	18.2
9 18	23 20.39	− 7 45.4	1.174	2.173	3.7	18.3
9 28	23 12.44	− 8 18.3	1.203	2.174	8.8	18.6
10 8	23 6.39	− 8 36.0	1.255	2.175	13.5	18.9
10 18	23 3.00	− 8 35.8	1.327	2.178	17.6	19.1
12622 Doppelmayr			9 13.0 37°.50		1°.5/11.7 18	
8 9	23 47.07	− 4 35.8	1.583	2.458	15.0	18.5
8 19	23 42.91	− 5 20.6	1.523	2.463	11.1	18.3
8 29	23 36.59	− 6 16.9	1.484	2.468	6.7	18.0
9 8	23 28.84	− 7 18.4	1.470	2.474	2.3	17.8
9 18	23 20.62	− 8 17.8	1.482	2.481	3.4	17.9
9 28	23 13.05	− 9 7.8	1.521	2.487	7.8	18.1
10 8	23 7.09	− 9 42.9	1.584	2.494	11.9	18.4
10 18	23 3.36	−10 0.5	1.668	2.501	15.4	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
59044 1998 SV_{169}			9 13.0 262°.84		4°.5/17.8 18	
	h m	° ′			°	m
8 9	23 45.91	+11 48.7	2.028	2.826	15.0	19.6
8 19	23 41.87	+11 41.2	1.933	2.813	12.3	19.4
8 29	23 35.94	+11 12.7	1.858	2.800	9.2	19.2
9 8	23 28.65	+10 23.7	1.808	2.787	6.1	19.0
9 18	23 20.75	+ 9 17.1	1.783	2.773	4.5	18.9
9 28	23 13.16	+ 7 58.8	1.787	2.760	6.2	18.9
10 8	23 6.76	+ 6 36.4	1.817	2.746	9.5	19.1
10 18	23 2.24	+ 5 17.4	1.872	2.732	12.8	19.3
271034 2003 BZ_{49}			9 13.0 157°.74		2°.8/15.5 18	
8 9	23 50.47	+ 5 17.8	1.788	2.617	15.5	20.7
8 19	23 45.32	+ 5 15.8	1.713	2.620	12.2	20.5
8 29	23 38.06	+ 4 56.5	1.660	2.624	8.3	20.3
9 8	23 29.35	+ 4 21.9	1.632	2.627	4.4	20.0
9 18	23 20.11	+ 3 36.2	1.630	2.629	3.0	20.0
9 28	23 11.40	+ 2 45.3	1.656	2.632	6.3	20.2
10 8	23 4.19	+ 1 56.1	1.709	2.634	10.2	20.4
10 18	22 59.14	+ 1 14.1	1.785	2.636	13.7	20.7
257384 2009 SO_{60}			9 13.0 349°.20		1°.7/16.3 17	
8 9	23 39.23	+ 6 34.4	4.115	4.916	7.9	20.8
8 19	23 35.93	+ 6 22.2	4.026	4.915	6.2	20.7
8 29	23 31.81	+ 6 1.6	3.962	4.914	4.4	20.5
9 8	23 27.15	+ 5 33.8	3.925	4.913	2.5	20.4
9 18	23 22.30	+ 5 0.6	3.917	4.913	1.7	20.3
9 28	23 17.62	+ 4 24.3	3.939	4.912	3.1	20.4
10 8	23 13.47	+ 3 47.7	3.989	4.911	5.0	20.6
10 18	23 10.17	+ 3 13.1	4.067	4.911	6.8	20.7
257388 2009 SD_{154}			9 13.0 252°.97		0°.5/12.1 18	
8 9	23 39.59	− 5 3.5	4.468	5.315	6.6	21.2
8 19	23 36.13	− 5 25.1	4.384	5.310	4.8	21.0
8 29	23 31.90	− 5 50.4	4.326	5.305	2.9	20.9
9 8	23 27.18	− 6 17.6	4.296	5.301	1.0	20.7
9 18	23 22.28	− 6 44.6	4.297	5.296	1.3	20.8
9 28	23 17.55	− 7 9.2	4.328	5.291	3.3	20.9
10 8	23 13.31	− 7 29.6	4.388	5.286	5.2	21.1
10 18	23 9.85	− 7 44.4	4.473	5.281	6.9	21.2
24275 1999 XW_{167}			9 13.0 225°.35		2°.9/19.0 18	
8 9	23 39.66	+13 23.2	4.533	5.288	7.9	18.7
8 19	23 36.20	+13 23.9	4.438	5.286	6.5	18.5
8 29	23 31.96	+13 15.0	4.366	5.284	5.0	18.4
9 8	23 27.21	+12 56.9	4.321	5.282	3.6	18.3
9 18	23 22.26	+12 30.9	4.304	5.280	2.9	18.3
9 28	23 17.46	+11 58.7	4.316	5.278	3.4	18.3
10 8	23 13.16	+11 22.9	4.357	5.275	4.7	18.4
10 18	23 9.64	+10 46.0	4.426	5.273	6.2	18.5
387883 2004 TG_{15}			9 13.0 295°.27		1°.8/14.6 18	
8 9	23 47.51	+ 2 41.6	1.642	2.492	15.7	21.0
8 19	23 43.50	+ 2 33.0	1.551	2.472	12.3	20.8
8 29	23 37.18	+ 2 7.0	1.480	2.453	8.2	20.5
9 8	23 29.14	+ 1 26.1	1.433	2.433	3.7	20.2
9 18	23 20.27	+ 0 34.9	1.412	2.414	2.5	20.0
9 28	23 11.74	− 0 19.7	1.417	2.394	7.0	20.3
10 8	23 4.67	− 1 10.3	1.448	2.375	11.5	20.5
10 18	22 59.90	− 1 50.6	1.501	2.356	15.6	20.7
369739 2012 FT_{6}			9 13.0 182°.46		3°.1/15.7 17	
8 9	23 50.12	+ 6 31.7	1.582	2.415	17.0	22.1
8 19	23 45.35	+ 6 19.5	1.507	2.415	13.4	21.9
8 29	23 38.22	+ 5 46.0	1.452	2.415	9.3	21.6
9 8	23 29.45	+ 4 53.5	1.421	2.415	5.0	21.4
9 18	23 20.03	+ 3 47.1	1.416	2.415	3.3	21.3
9 28	23 11.17	+ 2 34.6	1.437	2.414	6.9	21.5
10 8	23 3.97	+ 1 25.0	1.484	2.413	11.2	21.8
10 18	22 59.18	+ 0 25.3	1.554	2.411	15.1	22.0
511713 2015 CA_{52}			9 13.0 279°.51		3°.1/15.5 18	
8 9	23 49.56	+ 5 6.2	1.522	2.364	17.1	21.2
8 19	23 45.08	+ 5 10.2	1.443	2.357	13.5	20.9
8 29	23 38.14	+ 4 54.7	1.385	2.351	9.3	20.7
9 8	23 29.45	+ 4 21.4	1.349	2.345	4.9	20.4
9 18	23 20.01	+ 3 34.4	1.340	2.339	3.4	20.3
9 28	23 11.09	+ 2 40.9	1.356	2.333	7.2	20.5
10 8	23 3.84	+ 1 48.8	1.397	2.327	11.6	20.8
10 18	22 59.08	+ 1 5.0	1.460	2.321	15.6	21.0
479920 2014 HO_{77}			9 13.0 138°.38		1°.1/14.2 18	
8 9	23 45.56	+ 2 43.2	1.945	2.787	13.9	21.3
8 19	23 41.51	+ 2 7.6	1.869	2.788	10.7	21.1
8 29	23 35.63	+ 1 16.1	1.816	2.788	6.9	20.8
9 8	23 28.53	+ 0 12.5	1.788	2.789	2.9	20.6
9 18	23 20.96	− 0 57.6	1.787	2.789	2.0	20.5
9 28	23 13.85	− 2 7.5	1.815	2.790	5.9	20.8
10 8	23 7.99	− 3 10.5	1.869	2.790	9.7	21.0
10 18	23 4.01	− 4 1.7	1.947	2.790	13.1	21.2

250594 2005 EB_{13} 9 13.0 196°.56 2°.0/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.58	− 4 47.2	1.602	2.471	15.0	20.8
8 19	23 44.89	− 5 49.2	1.532	2.470	11.2	20.6
8 29	23 37.90	− 7 4.1	1.484	2.468	6.8	20.3
9 8	23 29.34	− 8 24.8	1.462	2.466	2.5	20.1
9 18	23 20.17	− 9 42.9	1.467	2.463	3.9	20.1
9 28	23 11.59	−10 49.7	1.498	2.460	8.4	20.4
10 8	23 4.63	−11 39.0	1.555	2.457	12.6	20.7
10 18	23 0.03	−12 7.8	1.632	2.453	16.2	20.9

65337 2002 MD_{4} 9 13.0 48°.31 0°.4/12.7 18

8 9	23 48.21	− 2 28.6	1.605	2.471	15.2	18.9
8 19	23 43.70	− 2 55.3	1.546	2.480	11.4	18.7
8 29	23 37.05	− 3 34.5	1.509	2.490	7.0	18.5
9 8	23 29.01	− 4 21.1	1.496	2.500	2.3	18.2
9 18	23 20.55	− 5 8.9	1.510	2.511	2.6	18.3
9 28	23 12.76	− 5 51.2	1.550	2.522	7.1	18.6
10 8	23 6.58	− 6 22.6	1.615	2.532	11.3	18.9
10 18	23 2.64	− 6 39.9	1.703	2.544	14.8	19.1

193473 2000 XV_{24} 9 13.0 339°.82 10°.6/ 5.7 18

8 9	23 52.46	−25 55.4	1.276	2.169	16.6	18.4
8 19	23 47.75	−26 54.7	1.220	2.156	13.7	18.2
8 29	23 39.96	−27 43.1	1.185	2.145	11.3	18.0
9 8	23 30.07	−28 8.9	1.171	2.134	10.7	18.0
9 18	23 19.50	−28 3.3	1.179	2.125	12.3	18.0
9 28	23 9.91	−27 22.5	1.208	2.116	15.2	18.2
10 8	23 2.65	−26 8.6	1.258	2.109	18.5	18.4
10 18	22 58.53	−24 27.7	1.325	2.103	21.5	18.6

330566 2008 CR_{35} 9 13.0 109°.60 0°.8/13.7 17

8 9	23 53.58	+ 0 0.6	1.687	2.534	15.5	21.3
8 19	23 47.54	− 0 14.6	1.630	2.552	11.7	21.1
8 29	23 39.34	− 0 43.4	1.594	2.570	7.4	20.9
9 8	23 29.77	− 1 21.7	1.584	2.587	2.8	20.7
9 18	23 19.83	− 2 4.3	1.602	2.604	2.2	20.7
9 28	23 10.65	− 2 44.8	1.647	2.620	6.6	21.0
10 8	23 3.18	− 3 17.8	1.719	2.636	10.7	21.3
10 18	22 58.02	− 3 39.6	1.813	2.651	14.1	21.5

396079 2013 CH_{85} 9 13.0 286°.58 0°.9/13.9 18

8 9	23 47.79	+ 0 33.9	1.907	2.755	13.9	21.4
8 19	23 43.24	+ 0 20.4	1.828	2.751	10.6	21.2
8 29	23 36.76	− 0 6.3	1.772	2.747	6.8	20.9
9 8	23 28.94	− 0 42.9	1.741	2.743	2.7	20.7
9 18	23 20.60	− 1 25.0	1.737	2.739	2.0	20.6
9 28	23 12.71	− 2 7.0	1.761	2.736	6.1	20.9
10 8	23 6.14	− 2 43.3	1.812	2.732	10.0	21.1
10 18	23 1.54	− 3 9.9	1.885	2.728	13.4	21.3

119346 2001 SS_{203} 9 13.0 50°.84 1°.5/11.9 17

8 9	23 50.54	− 4 58.3	1.311	2.191	17.1	20.0
8 19	23 45.74	− 5 29.1	1.263	2.206	12.7	19.8
8 29	23 38.41	− 6 11.6	1.237	2.222	7.7	19.5
9 8	23 29.48	− 6 58.9	1.233	2.238	2.6	19.3
9 18	23 20.16	− 7 43.4	1.255	2.254	3.6	19.4
9 28	23 11.77	− 8 17.7	1.302	2.271	8.5	19.7
10 8	23 5.40	− 8 37.0	1.373	2.288	12.9	20.0
10 18	23 1.67	− 8 39.0	1.464	2.306	16.7	20.3

925 Alphonsina 9 13.0 223°.69 9°.6/22.5 18 A

8 9	23 52.21	+23 56.8	2.176	2.879	16.8	13.2
8 19	23 46.70	+25 7.8	2.085	2.874	14.9	13.0
8 29	23 39.04	+25 56.6	2.013	2.869	12.8	12.9
9 8	23 29.78	+26 19.6	1.963	2.864	10.9	12.8
9 18	23 19.74	+26 15.0	1.936	2.859	9.7	12.7
9 28	23 9.98	+25 44.3	1.935	2.853	9.8	12.7
10 8	23 1.52	+24 53.0	1.958	2.847	11.1	12.8
10 18	22 55.13	+23 48.8	2.005	2.842	13.0	12.9

246726 2009 BR_{48} 9 13.0 92°.76 1°.5/15.1 18

8 9	23 44.79	+ 3 15.6	3.169	3.986	9.7	20.6
8 19	23 40.22	+ 3 14.7	3.093	3.996	7.5	20.5
8 29	23 34.53	+ 3 5.1	3.043	4.006	5.0	20.4
9 8	23 28.12	+ 2 48.2	3.020	4.015	2.5	20.2
9 18	23 21.46	+ 2 26.2	3.026	4.025	1.7	20.1
9 28	23 15.11	+ 2 2.0	3.062	4.035	3.9	20.3
10 8	23 9.54	+ 1 38.5	3.126	4.045	6.3	20.5
10 18	23 5.16	+ 1 18.5	3.217	4.054	8.6	20.7

350198 2012 AL_{14} 9 13.0 302°.76 4°.1/21.1 18

8 9	23 40.76	+18 24.3	4.200	4.920	9.0	20.5
8 19	23 37.13	+18 38.6	4.098	4.912	7.7	20.4
8 29	23 32.61	+18 41.2	4.019	4.905	6.3	20.3
9 8	23 27.47	+18 32.0	3.964	4.897	4.9	20.2
9 18	23 22.08	+18 11.8	3.936	4.889	4.2	20.1
9 28	23 16.84	+17 42.2	3.937	4.882	4.4	20.1
10 8	23 12.14	+17 5.8	3.966	4.874	5.4	20.2
10 18	23 8.32	+16 25.7	4.022	4.867	6.8	20.3

273577 2007 CY_{17} 9 13.0 253°.70 1°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.89	− 5 12.3	1.695	2.562	14.5	21.4
8 19	23 45.13	− 5 50.6	1.614	2.551	10.8	21.2
8 29	23 38.10	− 6 39.9	1.556	2.539	6.7	20.9
9 8	23 29.45	− 7 34.9	1.523	2.527	2.4	20.6
9 18	23 20.11	− 8 28.6	1.517	2.515	3.4	20.6
9 28	23 11.24	− 9 14.0	1.538	2.502	7.9	20.9
10 8	23 3.89	− 9 45.6	1.584	2.489	12.2	21.1
10 18	22 58.82	−10 0.3	1.651	2.476	15.9	21.3

365708 2010 VU_{149} 9 13.0 83°.42 5°.0/ 7.3 18

8 9	23 47.07	−17 27.6	2.211	3.088	11.2	20.9
8 19	23 42.39	−18 30.3	2.158	3.096	8.5	20.7
8 29	23 36.05	−19 31.8	2.130	3.103	6.0	20.6
9 8	23 28.65	−20 25.8	2.128	3.110	5.0	20.5
9 18	23 20.96	−21 6.8	2.154	3.118	6.3	20.6
9 28	23 13.78	−21 30.6	2.207	3.125	8.8	20.8
10 8	23 7.85	−21 35.6	2.283	3.132	11.3	21.0
10 18	23 3.67	−21 22.4	2.382	3.139	13.6	21.2

237558 2000 XC_{47} 9 13.0 315°.12 10°.7/ 8.2 18

8 9	0 9.90	−29 39.4	1.447	2.302	17.2	19.4
8 19	0 0.95	−29 52.1	1.366	2.277	14.4	19.2
8 29	23 48.27	−29 47.3	1.307	2.252	11.9	19.0
9 8	23 32.96	−29 13.5	1.271	2.228	10.7	18.8
9 18	23 16.71	−28 2.9	1.260	2.204	11.9	18.8
9 28	23 1.57	−26 14.6	1.276	2.181	14.8	18.9
10 8	22 49.23	−23 54.8	1.315	2.158	18.3	19.1
10 18	22 40.67	−21 13.4	1.375	2.136	21.6	19.3

18058 1999 XY_{129} 9 13.0 279°.70 1°.4/10.4 18 R

8 9	23 40.60	− 9 57.1	4.243	5.102	6.6	19.2
8 19	23 36.92	−10 21.1	4.163	5.096	4.9	19.0
8 29	23 32.43	−10 47.2	4.108	5.089	3.0	18.9
9 8	23 27.40	−11 13.0	4.083	5.083	1.5	18.8
9 18	23 22.19	−11 36.3	4.087	5.077	2.2	18.8
9 28	23 17.15	−11 55.0	4.121	5.071	4.0	19.0
10 8	23 12.66	−12 7.4	4.183	5.065	5.9	19.1
10 18	23 9.01	−12 12.3	4.271	5.059	7.5	19.2

491136 2011 SS_{151} 9 13.0 295°.53 0°.4/12.7 18

8 9	23 46.78	− 2 22.6	1.851	2.712	13.7	21.6
8 19	23 42.56	− 2 54.5	1.774	2.706	10.3	21.4
8 29	23 36.37	− 3 38.5	1.719	2.700	6.4	21.1
9 8	23 28.83	− 4 30.2	1.689	2.694	2.1	20.8
9 18	23 20.76	− 5 23.7	1.687	2.688	2.4	20.8
9 28	23 13.13	− 6 12.8	1.712	2.682	6.7	21.1
10 8	23 6.84	− 6 51.8	1.762	2.676	10.7	21.3
10 18	23 2.55	− 7 17.2	1.836	2.670	14.1	21.6

481345 2006 CE_{19} 9 13.0 213°.16 2°.5/16.1 18

8 9	23 46.19	+ 6 36.1	2.724	3.530	11.4	22.0
8 19	23 41.55	+ 6 32.3	2.633	3.525	9.0	21.8
8 29	23 35.50	+ 6 15.8	2.566	3.520	6.3	21.7
9 8	23 28.50	+ 5 48.3	2.524	3.514	3.6	21.5
9 18	23 21.10	+ 5 12.0	2.512	3.508	2.5	21.4
9 28	23 13.98	+ 4 30.7	2.529	3.502	4.6	21.5
10 8	23 7.76	+ 3 48.6	2.574	3.495	7.4	21.7
10 18	23 2.94	+ 3 9.9	2.645	3.488	10.0	21.9

510194 2011 CZ_{30} 9 13.0 202°.28 0°.9/12.1 17

8 9	23 49.70	− 3 10.0	1.867	2.724	13.8	22.7
8 19	23 44.73	− 3 56.0	1.790	2.721	10.3	22.5
8 29	23 37.72	− 4 54.1	1.736	2.717	6.3	22.3
9 8	23 29.30	− 5 59.0	1.708	2.712	2.1	22.0
9 18	23 20.33	− 7 4.3	1.708	2.707	2.8	22.0
9 28	23 11.84	− 8 3.0	1.736	2.702	7.1	22.3
10 8	23 4.74	− 8 49.3	1.790	2.696	11.0	22.5
10 18	22 59.72	− 9 19.9	1.867	2.689	14.4	22.7

149258 2002 TS_{25} 9 13.0 325°.04 0°.6/13.5 18

8 9	23 47.49	− 0 15.1	1.323	2.195	17.4	19.6
8 19	23 43.82	− 0 32.3	1.250	2.186	13.3	19.4
8 29	23 37.52	− 1 7.4	1.196	2.177	8.5	19.1
9 8	23 29.32	− 1 55.8	1.165	2.169	3.1	18.7
9 18	23 20.31	− 2 50.9	1.159	2.161	2.6	18.7
9 28	23 11.89	− 3 43.9	1.177	2.153	8.1	19.0
10 8	23 5.31	− 4 26.8	1.218	2.147	13.1	19.3
10 18	23 1.41	− 4 53.9	1.280	2.140	17.5	19.5

186504 2002 UX_{15} 9 13.0 307°.86 5°.3/ 8.9 17

8 9	23 49.68	−13 4.5	1.388	2.280	15.6	20.0
8 19	23 45.38	−14 4.5	1.322	2.270	11.7	19.7
8 29	23 38.42	−15 9.6	1.277	2.260	7.7	19.5
9 8	23 29.60	−16 10.6	1.256	2.251	5.3	19.3
9 18	23 20.06	−16 57.9	1.259	2.242	7.1	19.4
9 28	23 11.18	−17 24.2	1.287	2.233	11.2	19.6
10 8	23 4.20	−17 25.7	1.337	2.225	15.3	19.8
10 18	22 59.93	−17 2.9	1.406	2.217	18.9	20.0

408238 2013 EF_{104} 9 13.0 109°.51 2°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.53	− 9 42.0	2.286	3.149	11.4	21.2
8 19	23 44.12	−10 7.7	2.223	3.158	8.4	21.0
8 29	23 37.08	−10 37.1	2.185	3.167	5.2	20.8
9 8	23 29.03	−11 5.8	2.174	3.175	2.4	20.7
9 18	23 20.67	−11 29.5	2.192	3.184	3.5	20.8
9 28	23 12.83	−11 44.5	2.238	3.192	6.6	21.0
10 8	23 6.20	−11 48.2	2.311	3.200	9.6	21.2
10 18	23 1.29	−11 39.9	2.407	3.208	12.2	21.4

283727 2002 TM_{292} 9 13.0 355°.73 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.99	− 1 23.4	1.164	2.046	18.6	18.6
8 19	23 44.44	− 0 35.4	1.098	2.038	14.4	18.4
8 29	23 38.00	+ 0 0.2	1.050	2.031	9.4	18.1
9 8	23 29.49	+ 0 24.5	1.024	2.027	4.1	17.8
9 18	23 20.16	+ 0 40.3	1.022	2.024	3.1	17.7
9 28	23 11.56	+ 0 51.9	1.043	2.023	8.2	18.0
10 8	23 5.04	+ 1 4.6	1.086	2.024	13.3	18.3
10 18	23 1.48	+ 1 22.7	1.148	2.027	17.7	18.6

389307 2009 RU_{63} 9 13.0 294°.38 1°.2/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.50	− 8 34.9	4.172	5.028	6.8	21.1
8 19	23 36.87	− 8 58.2	4.091	5.023	5.0	21.0
8 29	23 32.41	− 9 24.1	4.038	5.019	3.0	20.8
9 8	23 27.42	− 9 50.4	4.013	5.015	1.3	20.7
9 18	23 22.23	−10 14.8	4.017	5.010	2.0	20.8
9 28	23 17.23	−10 35.1	4.052	5.006	3.9	20.9
10 8	23 12.79	−10 49.5	4.114	5.002	5.8	21.0
10 18	23 9.18	−10 56.7	4.203	4.998	7.5	21.2

472724 2015 FJ_{72} 9 13.0 76°.08 2°.5/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.66	− 8 24.0	1.600	2.474	14.8	21.4
8 19	23 46.24	− 8 58.1	1.548	2.488	11.0	21.2
8 29	23 38.61	− 9 38.7	1.518	2.502	6.7	21.0
9 8	23 29.57	−10 19.6	1.513	2.515	2.9	20.8
9 18	23 20.18	−10 54.3	1.534	2.529	4.2	20.9
9 28	23 11.57	−11 17.2	1.583	2.542	8.2	21.2
10 8	23 4.71	−11 24.9	1.655	2.556	12.1	21.5
10 18	23 0.20	−11 16.6	1.750	2.569	15.4	21.7

211365 2002 TO_{213} 9 13.0 358°.57 0°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.09	+ 1 8.6	1.779	2.633	14.5	20.3
8 19	23 41.34	+ 0 26.0	1.706	2.632	11.0	20.0
8 29	23 35.63	− 0 32.8	1.655	2.632	7.0	19.8
9 8	23 28.60	− 1 43.0	1.629	2.632	2.6	19.5
9 18	23 21.08	− 2 58.4	1.630	2.632	2.1	19.5
9 28	23 14.04	− 4 11.1	1.658	2.632	6.5	19.8
10 8	23 8.37	− 5 14.2	1.712	2.632	10.5	20.0
10 18	23 4.68	− 6 2.8	1.789	2.633	14.0	20.3

490765 2010 TP_{192} 9 13.0 317°.37 0°.0/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.45	− 2 9.2	4.246	5.084	7.0	22.0
8 19	23 36.09	− 2 30.2	4.162	5.082	5.2	21.9
8 29	23 31.93	− 2 56.2	4.104	5.080	3.2	21.7
9 8	23 27.27	− 3 25.5	4.074	5.078	1.1	21.5
9 18	23 22.41	− 3 55.9	4.074	5.076	1.1	21.5
9 28	23 17.73	− 4 25.1	4.105	5.073	3.2	21.7
10 8	23 13.57	− 4 50.9	4.164	5.071	5.2	21.9
10 18	23 10.22	− 5 11.5	4.249	5.069	7.0	22.0

442162 2010 VG_{204} 9 13.0 208°.88 4°.0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.02	+11 57.1	2.423	3.210	13.2	21.4
8 19	23 40.87	+11 49.2	2.335	3.208	10.7	21.2
8 29	23 35.17	+11 23.6	2.268	3.205	8.0	21.1
9 8	23 28.43	+10 41.4	2.227	3.203	5.4	20.9
9 18	23 21.26	+ 9 45.2	2.212	3.200	4.0	20.8
9 28	23 14.41	+ 8 39.6	2.227	3.197	5.3	20.9
10 8	23 8.58	+ 7 30.5	2.268	3.194	8.0	21.1
10 18	23 4.30	+ 6 23.8	2.336	3.191	10.7	21.2

144656 2004 FS_{110} 9 13.0 173°.67 1°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.93	− 8 11.2	2.175	3.037	11.9	20.7
8 19	23 44.57	− 8 36.4	2.104	3.038	8.9	20.5
8 29	23 37.46	− 9 6.9	2.057	3.039	5.4	20.3
9 8	23 29.20	− 9 38.2	2.037	3.039	2.3	20.1
9 18	23 20.54	−10 5.8	2.045	3.040	3.2	20.2
9 28	23 12.36	−10 25.3	2.082	3.040	6.7	20.4
10 8	23 5.44	−10 33.8	2.145	3.040	10.0	20.6
10 18	23 0.33	−10 29.9	2.232	3.040	12.8	20.8

482315 2011 US_{209} 9 13.0 306°.12 2°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.61	+ 4 18.6	1.897	2.733	14.5	21.6
8 19	23 42.42	+ 4 7.9	1.816	2.728	11.3	21.4
8 29	23 36.30	+ 3 41.0	1.757	2.724	7.6	21.1
9 8	23 28.85	+ 3 0.3	1.722	2.720	3.8	20.9
9 18	23 20.85	+ 2 9.9	1.715	2.715	2.5	20.8
9 28	23 13.28	+ 1 15.9	1.735	2.711	6.0	21.0
10 8	23 7.01	+ 0 24.7	1.781	2.707	9.8	21.3
10 18	23 2.69	− 0 18.5	1.851	2.703	13.2	21.5

12024 1996 YN_2 9 13.0 321°.45 2°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.73	+ 3 10.2	1.205	2.075	18.9	18.1
8 19	23 42.85	+ 3 8.7	1.125	2.058	14.9	17.8
8 29	23 37.13	+ 2 44.9	1.064	2.041	10.0	17.4
9 8	23 29.27	+ 2 0.9	1.024	2.024	4.7	17.1
9 18	23 20.38	+ 1 2.6	1.007	2.009	3.1	16.9
9 28	23 11.97	− 0 1.0	1.013	1.994	8.3	17.2
10 8	23 5.47	− 0 59.2	1.042	1.980	13.8	17.5
10 18	23 1.88	− 1 44.0	1.090	1.967	18.6	17.7

169008 2001 DR_{40} 9 13.0 167°.87 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.86	− 5 37.9	2.029	2.888	12.8	20.3
8 19	23 44.63	− 6 8.6	1.958	2.890	9.5	20.1
8 29	23 37.55	− 6 47.3	1.911	2.892	5.8	19.9
9 8	23 29.24	− 7 29.4	1.890	2.894	2.0	19.6
9 18	23 20.50	− 8 9.6	1.898	2.896	2.9	19.7
9 28	23 12.27	− 8 42.9	1.934	2.897	6.7	19.9
10 8	23 5.36	− 9 5.2	1.996	2.898	10.3	20.2
10 18	23 0.36	− 9 14.4	2.082	2.898	13.3	20.4

445445 2010 UK_{77} 9 13.0 339°.53 4°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.23	−15 51.1	1.987	2.859	12.5	20.2
8 19	23 46.45	−16 12.2	1.919	2.856	9.4	20.0
8 29	23 38.69	−16 32.3	1.875	2.853	6.3	19.8
9 8	23 29.62	−16 45.9	1.858	2.850	4.4	19.7
9 18	23 20.14	−16 48.4	1.868	2.848	5.6	19.8
9 28	23 11.26	−16 36.3	1.905	2.845	8.5	20.0
10 8	23 3.84	−16 8.6	1.968	2.843	11.7	20.2
10 18	22 58.51	−15 26.0	2.053	2.841	14.5	20.3

332045 2005 QC_{115} 9 13.1 12°.53 1°.5/14.1 12 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.22	+ 0 59.2	0.969	1.864	20.5	20.4
8 19	23 41.03	+ 0 54.0	0.921	1.868	15.7	20.1
8 29	23 35.89	+ 0 26.2	0.891	1.875	10.1	19.9
9 8	23 28.77	− 0 19.1	0.880	1.883	4.1	19.6
9 18	23 21.02	− 1 13.3	0.890	1.893	2.9	19.5
9 28	23 14.21	− 2 6.0	0.923	1.905	8.6	19.9
10 8	23 9.64	− 2 47.7	0.976	1.918	14.0	20.3
10 18	23 8.05	− 3 12.4	1.048	1.933	18.5	20.6

401658 2013 GG_{111} 9 13.1 140°.29 0°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.40	− 2 35.4	2.453	3.305	11.1	20.8
8 19	23 40.29	− 3 32.1	2.382	3.310	8.2	20.7
8 29	23 34.74	− 4 38.4	2.335	3.316	5.0	20.5
9 8	23 28.27	− 5 49.9	2.317	3.321	1.6	20.2
9 18	23 21.48	− 7 1.4	2.327	3.326	2.2	20.3
9 28	23 15.06	− 8 7.4	2.366	3.331	5.6	20.5
10 8	23 9.64	− 9 3.2	2.433	3.335	8.7	20.7
10 18	23 5.69	− 9 45.9	2.525	3.339	11.3	20.9

8627 Kunalnayyar 9 13.1 30°.87 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.85	− 0 20.6	1.492	2.357	16.2	18.1
8 19	23 43.66	− 0 40.6	1.430	2.362	12.3	17.9
8 29	23 37.18	− 1 15.9	1.389	2.368	7.8	17.6
9 8	23 29.16	− 2 2.0	1.371	2.375	2.8	17.4
9 18	23 20.65	− 2 52.7	1.380	2.382	2.3	17.3
9 28	23 12.80	− 3 40.4	1.414	2.389	7.2	17.7
10 8	23 6.64	− 4 18.8	1.473	2.397	11.6	17.9
10 18	23 2.86	− 4 43.4	1.553	2.405	15.4	18.2

171813 2001 DJ_{103} 9 13.1 194°.01 6°.8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.56	−17 27.0	1.875	2.756	12.7	20.3
8 19	23 44.75	−19 44.4	1.816	2.754	9.8	20.1
8 29	23 37.81	−22 3.7	1.783	2.751	7.4	20.0
9 8	23 29.40	−24 13.8	1.777	2.748	7.0	20.0
9 18	23 20.39	−26 4.3	1.799	2.744	8.8	20.1
9 28	23 11.87	−27 27.5	1.847	2.739	11.7	20.2
10 8	23 4.82	−28 20.2	1.919	2.734	14.5	20.4
10 18	22 59.92	−28 43.3	2.009	2.727	17.0	20.6

247135 2000 WA_{72} 9 13.1 322°.82 6°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.79	+17 28.3	2.054	2.818	15.9	20.0
8 19	23 41.83	+17 55.1	1.966	2.812	13.6	19.8
8 29	23 35.97	+17 59.7	1.897	2.806	10.9	19.6
9 8	23 28.77	+17 40.9	1.851	2.801	8.4	19.5
9 18	23 20.99	+16 59.7	1.829	2.796	6.9	19.4
9 28	23 13.55	+16 0.1	1.834	2.791	7.5	19.4
10 8	23 7.33	+14 49.0	1.864	2.786	9.7	19.5
10 18	23 3.00	+13 34.1	1.918	2.782	12.3	19.7

439102 2011 SJ_{59} 9 13.1 187°.36 1°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.00	+ 1 17.1	1.905	2.748	14.1	21.5
8 19	23 44.16	+ 1 10.8	1.829	2.748	10.9	21.3
8 29	23 37.35	+ 0 51.2	1.775	2.748	7.1	21.1
9 8	23 29.22	+ 0 21.2	1.747	2.748	3.0	20.8
9 18	23 20.59	− 0 15.2	1.746	2.748	2.1	20.7
9 28	23 12.43	− 0 52.5	1.773	2.748	6.0	21.0
10 8	23 5.63	− 1 25.5	1.826	2.748	9.9	21.2
10 18	23 0.83	− 1 49.9	1.903	2.747	13.3	21.5

15134 2000 ED_{92} 9 13.1 263°.58 1°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.63	+ 3 24.0	2.492	3.320	11.7	18.5
8 19	23 40.55	+ 3 3.2	2.401	3.310	9.0	18.3
8 29	23 34.98	+ 2 29.9	2.333	3.300	6.0	18.1
9 8	23 28.40	+ 1 46.4	2.292	3.290	2.8	17.9
9 18	23 21.38	+ 0 56.2	2.279	3.280	1.8	17.8
9 28	23 14.65	+ 0 3.9	2.296	3.270	4.9	18.0
10 8	23 8.86	− 0 45.6	2.340	3.260	8.1	18.2
10 18	23 4.55	− 1 28.1	2.409	3.250	11.0	18.4

115197 2003 SH_{109} 9 13.1 27°.56 1°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.61	− 1 55.5	1.325	2.192	17.7	18.1
8 19	23 48.13	− 1 21.9	1.270	2.203	13.5	17.9
8 29	23 39.99	− 1 0.5	1.236	2.215	8.6	17.7
9 8	23 30.12	− 0 48.8	1.225	2.227	3.4	17.4
9 18	23 19.77	− 0 43.3	1.239	2.241	2.6	17.4
9 28	23 10.33	− 0 39.5	1.278	2.255	7.6	17.7
10 8	23 2.97	− 0 32.6	1.342	2.270	12.2	18.1
10 18	22 58.38	− 0 19.4	1.427	2.286	16.1	18.3

494584 2017 BH_{65} 9 13.1 271°.24 2°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.22	− 9 41.4	2.294	3.159	11.3	21.0
8 19	23 43.30	−10 8.5	2.215	3.151	8.4	20.8
8 29	23 36.71	−10 39.8	2.160	3.142	5.2	20.6
9 8	23 28.98	−11 11.0	2.133	3.134	2.5	20.4
9 18	23 20.83	−11 37.5	2.134	3.126	3.6	20.5
9 28	23 13.06	−11 55.3	2.163	3.117	6.7	20.7
10 8	23 6.43	−12 1.4	2.218	3.109	9.9	20.8
10 18	23 1.50	−11 54.7	2.297	3.100	12.7	21.0

389012 2008 UH_{191} 9 13.1 206°.15 5°.5/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.21	−19 39.0	2.296	3.163	11.2	21.8
8 19	23 46.31	−20 37.2	2.228	3.158	8.7	21.6
8 29	23 38.57	−21 33.2	2.185	3.152	6.4	21.5
9 8	23 29.62	−22 20.3	2.170	3.145	5.5	21.4
9 18	23 20.23	−22 53.1	2.182	3.137	6.8	21.5
9 28	23 11.33	−23 7.5	2.221	3.129	9.2	21.6
10 8	23 3.72	−23 2.2	2.286	3.121	11.8	21.8
10 18	22 58.00	−22 38.1	2.371	3.111	14.1	21.9

323227 2003 SG_{113} 9 13.1 277°.63 4°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.66	+13 6.2	2.365	3.147	13.6	20.4
8 19	23 40.68	+13 6.6	2.275	3.142	11.2	20.3
8 29	23 35.12	+12 48.8	2.206	3.137	8.5	20.1
9 8	23 28.46	+12 13.1	2.161	3.132	5.9	19.9
9 18	23 21.34	+11 21.8	2.143	3.127	4.5	19.8
9 28	23 14.53	+10 19.4	2.153	3.122	5.7	19.9
10 8	23 8.75	+ 9 11.8	2.190	3.116	8.2	20.0
10 18	23 4.56	+ 8 5.1	2.253	3.111	11.0	20.2

445822 2012 BK_{139} 9 13.1 212°.76 0°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.01	− 1 6.2	2.481	3.326	11.2	21.8
8 19	23 40.79	− 1 44.0	2.399	3.323	8.4	21.6
8 29	23 35.10	− 2 32.1	2.342	3.319	5.2	21.4
9 8	23 28.43	− 3 27.0	2.311	3.315	1.8	21.1
9 18	23 21.38	− 4 24.1	2.310	3.311	1.8	21.1
9 28	23 14.66	− 5 18.5	2.338	3.307	5.2	21.4
10 8	23 8.91	− 6 5.6	2.393	3.302	8.4	21.6
10 18	23 4.64	− 6 42.2	2.473	3.298	11.2	21.8

126512 2002 CB_{71} 9 13.1 98°.22 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.19	− 3 8.8	1.776	2.637	14.2	19.7
8 19	23 44.25	− 3 54.3	1.719	2.652	10.6	19.5
8 29	23 37.35	− 4 51.1	1.685	2.667	6.4	19.3
9 8	23 29.19	− 5 53.5	1.677	2.681	2.1	19.0
9 18	23 20.69	− 6 55.1	1.696	2.696	2.8	19.1
9 28	23 12.82	− 7 49.0	1.743	2.710	7.0	19.4
10 8	23 6.46	− 8 30.1	1.815	2.723	10.8	19.6
10 18	23 2.18	− 8 55.7	1.911	2.737	14.0	19.9

393059 2013 AD_{70} 9 13.1 277°.09 1°.9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.13	−12 13.0	4.312	5.176	6.4	20.6
8 19	23 35.89	−12 56.0	4.234	5.169	4.7	20.5
8 29	23 31.85	−13 40.5	4.183	5.162	3.0	20.4
9 8	23 27.29	−14 23.9	4.160	5.155	2.0	20.3
9 18	23 22.54	−15 3.6	4.168	5.148	2.7	20.3
9 28	23 17.95	−15 37.1	4.205	5.141	4.4	20.5
10 8	23 13.88	−16 2.6	4.269	5.134	6.1	20.6
10 18	23 10.62	−16 18.9	4.358	5.127	7.7	20.7

514158 2015 KM_{165} 9 13.1 287°.07 4°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.36	−11 0.2	1.651	2.535	13.9	21.3
8 19	23 43.31	−12 11.3	1.579	2.525	10.4	21.1
8 29	23 37.02	−13 29.7	1.530	2.514	6.7	20.8
9 8	23 29.17	−14 47.1	1.507	2.504	4.3	20.7
9 18	23 20.70	−15 54.9	1.509	2.494	6.0	20.7
9 28	23 12.72	−16 45.4	1.538	2.483	9.7	20.9
10 8	23 6.28	−17 14.0	1.590	2.473	13.5	21.2
10 18	23 2.10	−17 19.5	1.662	2.463	16.8	21.4

356240 2009 SB_{354} 9 13.1 260°.23 1°.9/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.43	−13 8.2	4.574	5.438	6.1	21.4
8 19	23 36.06	−13 42.6	4.497	5.431	4.5	21.2
8 29	23 31.94	−14 17.9	4.446	5.425	2.9	21.1
9 8	23 27.32	−14 51.7	4.424	5.418	1.9	21.0
9 18	23 22.53	−15 21.8	4.432	5.411	2.6	21.1
9 28	23 17.90	−15 46.0	4.469	5.405	4.2	21.2
10 8	23 13.76	−16 2.8	4.534	5.398	5.8	21.3
10 18	23 10.39	−16 11.2	4.624	5.391	7.3	21.4

6577 Torbenwolff 9 13.1 63°.76 15°.0/ 3.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.88	+36 49.1	1.486	2.136	25.2	17.3
8 19	23 45.71	+37 51.8	1.434	2.159	23.2	17.2
8 29	23 38.70	+38 12.5	1.392	2.182	20.8	17.0
9 8	23 29.75	+37 45.6	1.365	2.205	18.4	16.9
9 18	23 20.19	+36 29.4	1.354	2.228	16.4	16.9
9 28	23 11.55	+34 29.0	1.363	2.252	15.2	16.9
10 8	23 5.10	+31 56.5	1.393	2.275	15.2	16.9
10 18	23 1.59	+29 7.3	1.445	2.298	16.2	17.1

318921 2005 UM_{73} 9 13.1 296°.40 5°.3/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.21	+14 21.8	2.101	2.885	15.0	20.9
8 19	23 40.65	+14 20.8	2.001	2.867	12.5	20.7
8 29	23 35.27	+13 58.2	1.921	2.850	9.7	20.5
9 8	23 28.57	+13 13.6	1.864	2.833	6.9	20.3
9 18	23 21.26	+12 9.4	1.833	2.816	5.3	20.2
9 28	23 14.22	+10 50.5	1.830	2.799	6.4	20.2
10 8	23 8.29	+ 9 24.4	1.852	2.782	9.3	20.4
10 18	23 4.15	+ 7 58.9	1.900	2.765	12.4	20.5

476147 2007 TV_{309} 9 13.1 285°.79 1°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.51	− 7 39.4	1.778	2.642	14.1	20.6
8 19	23 47.68	− 7 42.9	1.703	2.637	10.5	20.3
8 29	23 39.62	− 7 52.1	1.651	2.633	6.5	20.1
9 8	23 30.04	− 8 2.8	1.625	2.629	2.4	19.8
9 18	23 19.90	− 8 10.5	1.626	2.625	3.2	19.9
9 28	23 10.33	− 8 11.0	1.656	2.620	7.4	20.1
10 8	23 2.34	− 8 1.1	1.710	2.616	11.4	20.4
10 18	22 56.63	− 7 39.7	1.788	2.612	14.9	20.6

107139 2001 BB_{4} 9 13.1 212°.02 3°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.19	− 9 51.9	1.622	2.497	14.6	20.6
8 19	23 46.90	−10 41.6	1.552	2.493	10.9	20.3
8 29	23 39.24	−11 38.2	1.506	2.489	6.8	20.1
9 8	23 29.93	−12 34.4	1.484	2.484	3.6	19.9
9 18	23 20.01	−13 22.6	1.490	2.480	5.1	20.0
9 28	23 10.70	−13 56.0	1.521	2.474	9.2	20.2
10 8	23 3.09	−14 10.6	1.577	2.469	13.1	20.4
10 18	22 57.91	−14 5.5	1.654	2.463	16.6	20.6

360317 2001 SU_{177} 9 13.1 338°.55 3°.2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.10	+10 25.1	1.338	2.188	18.6	19.6
8 19	23 35.32	+ 9 22.8	1.247	2.164	15.0	19.3
8 29	23 32.32	+ 7 44.4	1.176	2.142	10.6	19.0
9 8	23 27.64	+ 5 32.5	1.126	2.121	5.9	18.7
9 18	23 22.18	+ 2 55.6	1.101	2.102	3.3	18.5
9 28	23 17.11	+ 0 8.3	1.102	2.084	7.4	18.6
10 8	23 13.57	− 2 32.5	1.126	2.069	12.5	18.9
10 18	23 12.40	− 4 52.8	1.173	2.054	17.2	19.1

3218 Delphine 9 13.1 306°.21 0°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.92	+ 0 13.5	1.494	2.361	16.1	17.6
8 19	23 42.59	− 0 15.7	1.403	2.337	12.4	17.3
8 29	23 36.82	− 1 3.3	1.333	2.313	8.0	17.0
9 8	23 29.20	− 2 5.4	1.286	2.289	2.9	16.6
9 18	23 20.67	− 3 15.4	1.264	2.266	2.5	16.6
9 28	23 12.46	− 4 24.4	1.268	2.243	7.8	16.8
10 8	23 5.80	− 5 23.6	1.296	2.221	12.8	17.0
10 18	23 1.58	− 6 6.7	1.345	2.199	17.1	17.3

50335 2000 CM_{58} 9 13.1 211°.99 6°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.96	−17 13.4	1.740	2.620	13.6	18.5
8 19	23 46.62	−18 23.3	1.677	2.616	10.4	18.3
8 29	23 39.00	−19 33.2	1.638	2.612	7.4	18.1
9 8	23 29.85	−20 34.4	1.624	2.608	6.1	18.0
9 18	23 20.16	−21 19.3	1.636	2.603	7.7	18.1
9 28	23 11.09	−21 42.0	1.675	2.598	10.7	18.3
10 8	23 3.67	−21 40.8	1.736	2.592	14.0	18.5
10 18	22 58.59	−21 16.7	1.818	2.586	16.8	18.7

353501 2011 SJ_{88} 9 13.1 58°.44 1°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.85	+ 2 19.1	1.887	2.729	14.3	21.1
8 19	23 43.31	+ 2 7.9	1.815	2.733	11.0	20.9
8 29	23 36.84	+ 1 42.2	1.765	2.736	7.2	20.6
9 8	23 29.10	+ 1 5.1	1.739	2.739	3.2	20.4
9 18	23 20.89	+ 0 20.9	1.741	2.743	2.1	20.3
9 28	23 13.17	− 0 24.6	1.771	2.746	6.0	20.6
10 8	23 6.80	− 1 5.7	1.826	2.750	9.8	20.8
10 18	23 2.40	− 1 37.9	1.906	2.753	13.1	21.1

296649 2009 SH_{124} 9 13.1 354.°08 4.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.33	+11 21.7	2.118	2.920	14.3	20.4
8 19	23 39.84	+11 7.2	2.035	2.918	11.6	20.2
8 29	23 34.67	+10 32.8	1.973	2.917	8.6	20.0
9 8	23 28.36	+ 9 39.8	1.935	2.916	5.6	19.8
9 18	23 21.61	+ 8 31.8	1.924	2.915	4.0	19.7
9 28	23 15.22	+ 7 14.6	1.940	2.915	5.6	19.8
10 8	23 9.97	+ 5 55.3	1.984	2.914	8.7	20.0
10 18	23 6.40	+ 4 40.6	2.052	2.915	11.7	20.2

178017 2006 RH_{8} 9 13.1 224.°58 1.°1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.13	− 0 7.2	1.521	2.375	16.5	20.5
8 19	23 47.77	− 0 4.9	1.446	2.372	12.7	20.2
8 29	23 39.88	− 0 16.8	1.393	2.369	8.2	20.0
9 8	23 30.20	− 0 40.0	1.364	2.366	3.3	19.7
9 18	23 19.83	− 1 9.7	1.362	2.363	2.4	19.6
9 28	23 10.06	− 1 39.6	1.385	2.360	7.3	19.9
10 8	23 2.06	− 2 3.8	1.434	2.357	12.0	20.2
10 18	22 56.64	− 2 17.6	1.505	2.354	15.9	20.4

46857 1998 QN_{45} 9 13.1 174.°08 2.°1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.68	+ 6 32.5	1.804	2.632	15.4	18.7
8 19	23 43.31	+ 5 43.8	1.727	2.634	12.1	18.5
8 29	23 36.92	+ 4 33.8	1.671	2.636	8.1	18.3
9 8	23 29.15	+ 3 6.3	1.640	2.637	4.0	18.0
9 18	23 20.86	+ 1 27.9	1.637	2.638	2.4	17.9
9 28	23 13.06	− 0 12.6	1.662	2.638	6.2	18.2
10 8	23 6.66	− 1 46.3	1.714	2.638	10.3	18.4
10 18	23 2.33	− 3 6.4	1.790	2.638	13.9	18.7

379845 2012 BP_{84} 9 13.1 313.°82 0.°6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.37	− 3 25.8	1.983	2.843	13.0	21.4
8 19	23 42.19	− 3 52.8	1.903	2.836	9.7	21.2
8 29	23 36.17	− 4 29.9	1.847	2.828	6.0	21.0
9 8	23 28.89	− 5 13.1	1.816	2.821	2.0	20.7
9 18	23 21.11	− 5 57.3	1.813	2.813	2.4	20.7
9 28	23 13.73	− 6 36.9	1.838	2.806	6.4	21.0
10 8	23 7.59	− 7 7.1	1.888	2.800	10.2	21.2
10 18	23 3.31	− 7 24.8	1.961	2.793	13.5	21.4

291161 2006 AV 9 13.1 275.°72 0.°2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.14	− 0 14.5	2.330	3.175	11.8	21.1
8 19	23 41.11	− 0 50.8	2.233	3.156	9.0	20.8
8 29	23 35.46	− 1 39.1	2.159	3.136	5.7	20.6
9 8	23 28.66	− 2 36.3	2.113	3.116	2.0	20.3
9 18	23 21.32	− 3 37.6	2.094	3.096	1.8	20.3
9 28	23 14.24	− 4 37.5	2.105	3.076	5.6	20.5
10 8	23 8.14	− 5 30.7	2.142	3.055	9.1	20.7
10 18	23 3.63	− 6 13.1	2.204	3.035	12.2	20.9

323641 2004 XP_{110} 9 13.1 203.°64 5.°9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.47	−23 27.0	2.648	3.517	9.8	20.7
8 19	23 42.60	−24 31.4	2.590	3.514	7.8	20.6
8 29	23 36.22	−25 31.2	2.557	3.512	6.3	20.5
9 8	23 28.86	−26 20.7	2.551	3.509	6.0	20.4
9 18	23 21.18	−26 55.3	2.572	3.506	7.1	20.5
9 28	23 13.91	−27 11.6	2.620	3.503	9.0	20.6
10 8	23 7.72	−27 8.8	2.692	3.499	11.0	20.8
10 18	23 3.09	−26 47.8	2.784	3.496	12.8	20.9

2380 Heilongjiang 9 13.1 282.°29 0.°7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.69	− 0 5.1	1.326	2.192	17.8	16.1
8 19	23 46.29	− 0 19.4	1.252	2.185	13.6	15.9
8 29	23 39.14	− 0 51.4	1.199	2.179	8.7	15.6
9 8	23 30.01	− 1 36.9	1.168	2.172	3.3	15.2
9 18	23 20.04	− 2 29.3	1.163	2.165	2.6	15.2
9 28	23 10.68	− 3 20.0	1.182	2.158	8.1	15.5
10 8	23 3.24	− 4 1.1	1.225	2.151	13.2	15.8
10 18	22 58.60	− 4 27.1	1.288	2.145	17.6	16.0

469870 2005 UO_{61} 9 13.1 25.°73 0.°8/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.85	+ 0 36.5	1.120	2.003	19.2	20.5
8 19	23 42.67	+ 0 12.5	1.073	2.014	14.5	20.3
8 29	23 36.79	− 0 32.0	1.043	2.026	9.2	20.0
9 8	23 29.13	− 1 30.9	1.036	2.039	3.4	19.8
9 18	23 20.97	− 2 35.5	1.051	2.054	2.7	19.8
9 28	23 13.72	− 3 35.6	1.090	2.069	8.2	20.1
10 8	23 8.55	− 4 22.8	1.152	2.086	13.2	20.5
10 18	23 6.14	− 4 52.2	1.233	2.103	17.4	20.8

75357 1999 XL_{71} 9 13.1 161.°64 0.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.51	− 0 29.5	1.884	2.731	14.1	20.1
8 19	23 45.28	− 1 9.2	1.813	2.737	10.6	19.9
8 29	23 38.07	− 2 2.4	1.765	2.742	6.6	19.6
9 8	23 29.54	− 3 4.6	1.743	2.747	2.3	19.4
9 18	23 20.54	− 4 9.6	1.749	2.751	2.2	19.4
9 28	23 12.07	− 5 10.6	1.784	2.754	6.5	19.7
10 8	23 5.03	− 6 1.7	1.845	2.757	10.4	19.9
10 18	23 0.04	− 6 39.1	1.930	2.759	13.7	20.1

273677 2007 ED_{11} 9 13.1 180.°96 0.°9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.50	− 3 47.8	1.898	2.755	13.6	21.3
8 19	23 45.30	− 4 24.9	1.826	2.756	10.2	21.1
8 29	23 38.10	− 5 12.6	1.776	2.757	6.2	20.8
9 8	23 29.56	− 6 6.0	1.752	2.757	2.1	20.6
9 18	23 20.52	− 6 59.2	1.757	2.756	2.7	20.6
9 28	23 11.98	− 7 45.9	1.789	2.755	6.9	20.9
10 8	23 4.86	− 8 21.1	1.848	2.754	10.7	21.1
10 18	22 59.78	− 8 42.1	1.930	2.752	14.0	21.3

236657 2006 KU_{114} 9 13.1 55.°75 4.°2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.89	+ 6 3.6	1.577	2.399	17.6	19.6
8 19	23 50.78	+ 6 49.4	1.533	2.432	13.8	19.5
8 29	23 41.38	+ 7 17.0	1.510	2.466	9.7	19.3
9 8	23 30.62	+ 7 27.1	1.512	2.500	5.8	19.1
9 18	23 19.62	+ 7 22.2	1.540	2.534	4.3	19.1
9 28	23 9.61	+ 7 7.2	1.596	2.568	6.9	19.4
10 8	23 1.57	+ 6 48.1	1.677	2.601	10.4	19.7
10 18	22 56.07	+ 6 30.5	1.782	2.635	13.7	19.9

330604 2008 DJ_{33} 9 13.1 201.°37 3.°1/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.09	− 9 5.7	1.709	2.580	14.2	21.8
8 19	23 46.74	− 9 55.9	1.638	2.577	10.6	21.6
8 29	23 39.11	−10 53.4	1.591	2.574	6.6	21.4
9 8	23 29.93	−11 51.4	1.569	2.570	3.3	21.2
9 18	23 20.18	−12 42.5	1.575	2.566	4.7	21.2
9 28	23 11.00	−13 20.1	1.608	2.562	8.7	21.5
10 8	23 3.42	−13 40.2	1.665	2.556	12.6	21.7
10 18	22 58.17	−13 41.3	1.744	2.551	15.9	21.9

13240 Thouvay 9 13.1 105.°46 0.°6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.40	+ 0 30.9	1.878	2.724	14.2	19.2
8 19	23 44.36	+ 0 0.9	1.817	2.739	10.7	19.1
8 29	23 37.44	− 0 42.6	1.778	2.753	6.8	18.9
9 8	23 29.31	− 1 35.3	1.764	2.767	2.5	18.6
9 18	23 20.81	− 2 31.8	1.779	2.781	2.0	18.6
9 28	23 12.91	− 3 25.8	1.821	2.794	6.1	18.9
10 8	23 6.43	− 4 11.6	1.890	2.807	9.9	19.2
10 18	23 1.94	− 4 45.4	1.983	2.820	13.1	19.4

430870 2005 QR_{13} 9 13.1 359.°01 1.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.34	− 0 18.0	1.018	1.911	19.8	20.4
8 19	23 41.97	− 0 11.6	0.960	1.906	15.2	20.2
8 29	23 36.62	− 0 24.7	0.919	1.903	9.8	19.9
9 8	23 29.17	− 0 53.2	0.898	1.901	3.9	19.5
9 18	23 20.91	− 1 30.4	0.899	1.902	2.9	19.5
9 28	23 13.46	− 2 7.0	0.922	1.904	8.7	19.8
10 8	23 8.20	− 2 34.7	0.966	1.907	14.2	20.1
10 18	23 5.99	− 2 47.5	1.029	1.913	18.9	20.4

378242 2007 CR_{12} 9 13.1 254.°84 0.°6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.22	− 0 9.2	1.701	2.553	15.1	21.6
8 19	23 45.47	− 0 27.8	1.616	2.541	11.6	21.4
8 29	23 38.43	− 1 1.2	1.552	2.529	7.4	21.1
9 8	23 29.75	− 1 45.5	1.514	2.517	2.8	20.8
9 18	23 20.33	− 2 35.6	1.502	2.504	2.2	20.7
9 28	23 11.34	− 3 24.5	1.517	2.491	7.0	21.0
10 8	23 3.83	− 4 5.8	1.558	2.477	11.4	21.2
10 18	22 58.60	− 4 34.6	1.621	2.464	15.3	21.5

118279 1998 RG_{23} 9 13.1 335.°06 3.°1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.93	− 6 56.0	0.934	1.845	19.5	18.8
8 19	23 42.83	− 7 30.9	0.870	1.829	14.7	18.4
8 29	23 37.43	− 8 21.0	0.823	1.814	9.1	18.1
9 8	23 29.53	− 9 17.6	0.796	1.800	3.7	17.7
9 18	23 20.53	−10 9.6	0.790	1.788	5.6	17.8
9 28	23 12.26	−10 45.4	0.804	1.777	11.6	18.1
10 8	23 6.39	−10 57.4	0.838	1.768	17.3	18.4
10 18	23 3.92	−10 43.0	0.888	1.760	22.3	18.6

96503 1998 MC_{3} 9 13.1 242.°62 0.°2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.88	+ 0 0.9	2.090	2.935	13.0	20.3
8 19	23 43.34	− 0 40.1	1.998	2.920	9.9	20.1
8 29	23 36.93	− 1 35.0	1.929	2.905	6.3	19.8
9 8	23 29.20	− 2 39.9	1.886	2.890	2.2	19.5
9 18	23 20.87	− 3 49.3	1.872	2.873	2.0	19.5
9 28	23 12.85	− 4 56.7	1.886	2.857	6.2	19.7
10 8	23 5.99	− 5 56.0	1.927	2.839	10.0	19.9
10 18	23 0.96	− 6 42.4	1.993	2.822	13.4	20.1

476094 2007 TY_{75} 9 13.1 302.°03 1.°1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.24	− 4 43.7	1.737	2.605	14.2	21.8
8 19	23 43.89	− 5 9.5	1.657	2.593	10.6	21.5
8 29	23 37.39	− 5 45.6	1.599	2.582	6.6	21.3
9 8	23 29.37	− 6 27.4	1.566	2.571	2.2	21.0
9 18	23 20.72	− 7 9.1	1.560	2.559	3.0	21.0
9 28	23 12.51	− 7 44.4	1.581	2.549	7.4	21.3
10 8	23 5.75	− 8 8.1	1.626	2.538	11.6	21.5
10 18	23 1.14	− 8 17.3	1.694	2.527	15.2	21.7

237920 2002 PU_{171} 9 13.1 117°.45 1°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.70	− 4 7.0	1.940	2.803	13.1	20.6
8 19	23 42.37	− 5 12.3	1.876	2.811	9.7	20.4
8 29	23 36.23	− 6 28.4	1.837	2.819	5.8	20.2
9 8	23 28.92	− 7 49.2	1.823	2.827	2.1	20.0
9 18	23 21.21	− 9 7.6	1.838	2.835	3.2	20.1
9 28	23 14.02	−10 16.6	1.881	2.843	7.0	20.4
10 8	23 8.14	−11 11.0	1.950	2.850	10.6	20.6
10 18	23 4.13	−11 47.8	2.042	2.857	13.6	20.8

246173 2007 RN_{17} 9 13.1 48°.87 4°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.64	+ 5 13.1	1.228	2.080	19.8	19.7
8 19	23 47.79	+ 5 38.7	1.168	2.086	15.7	19.5
8 29	23 40.05	+ 5 42.5	1.125	2.093	10.9	19.2
9 8	23 30.31	+ 5 25.8	1.105	2.100	6.0	19.0
9 18	23 19.87	+ 4 52.6	1.108	2.107	4.2	18.9
9 28	23 10.26	+ 4 10.5	1.136	2.114	8.0	19.2
10 8	23 2.81	+ 3 28.4	1.187	2.122	12.8	19.5
10 18	22 58.34	+ 2 53.6	1.259	2.130	17.0	19.7

398734 2012 XS_{142} 9 13.1 290°.79 4°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+13 37.3	1.856	2.652	16.3	20.6
8 19	23 41.11	+13 16.8	1.770	2.647	13.4	20.4
8 29	23 35.62	+12 31.3	1.704	2.642	10.1	20.2
9 8	23 28.76	+11 21.8	1.661	2.637	6.8	20.0
9 18	23 21.33	+ 9 52.2	1.643	2.632	4.9	19.9
9 28	23 14.30	+ 8 9.9	1.653	2.628	6.4	20.0
10 8	23 8.57	+ 6 24.4	1.690	2.623	9.8	20.2
10 18	23 4.83	+ 4 44.7	1.751	2.618	13.2	20.4

3110 Wagman 9 13.1 299°.11 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.46	− 1 38.7	1.615	2.478	15.3	16.6
8 19	23 44.24	− 1 56.7	1.533	2.465	11.6	16.3
8 29	23 37.71	− 2 28.5	1.472	2.452	7.3	16.0
9 8	23 29.51	− 3 10.0	1.435	2.439	2.6	15.7
9 18	23 20.59	− 3 55.6	1.424	2.426	2.4	15.7
9 28	23 12.10	− 4 38.5	1.440	2.413	7.3	15.9
10 8	23 5.14	− 5 12.2	1.481	2.401	11.8	16.2
10 18	23 0.49	− 5 32.4	1.543	2.389	15.8	16.4

221048 2005 QL_{100} 9 13.1 112°.62 2°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.79	+ 5 15.4	1.612	2.451	16.5	21.1
8 19	23 44.31	+ 4 53.8	1.544	2.457	12.8	20.9
8 29	23 37.62	+ 4 12.0	1.496	2.463	8.7	20.6
9 8	23 29.44	+ 3 13.5	1.472	2.469	4.3	20.4
9 18	23 20.72	+ 2 4.0	1.474	2.474	2.7	20.3
9 28	23 12.59	+ 0 51.5	1.503	2.480	6.6	20.6
10 8	23 6.06	− 0 15.8	1.558	2.485	10.8	20.8
10 18	23 1.81	− 1 11.6	1.635	2.490	14.5	21.1

165599 2001 FT_{47} 9 13.1 173°.51 0°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.88	− 3 23.9	2.165	3.015	12.4	20.2
8 19	23 44.61	− 3 49.0	2.090	3.017	9.3	20.0
8 29	23 37.58	− 4 23.1	2.040	3.019	5.7	19.8
9 8	23 29.38	− 5 2.3	2.016	3.020	1.9	19.6
9 18	23 20.77	− 5 42.2	2.021	3.021	2.2	19.6
9 28	23 12.61	− 6 17.7	2.054	3.022	6.0	19.8
10 8	23 5.67	− 6 44.8	2.115	3.022	9.5	20.1
10 18	23 0.54	− 7 0.7	2.200	3.021	12.5	20.3

15491 1999 CW_{85} 9 13.1 19°.76 2°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.38	+ 0 31.9	0.843	1.739	22.6	15.5
8 19	23 45.99	+ 1 15.3	0.802	1.748	17.4	15.2
8 29	23 39.15	+ 1 37.6	0.776	1.758	11.5	15.0
9 8	23 30.02	+ 1 41.0	0.769	1.771	5.3	14.7
9 18	23 20.24	+ 1 30.8	0.783	1.785	3.7	14.7
9 28	23 11.70	+ 1 15.0	0.818	1.801	9.2	15.1
10 8	23 5.90	+ 1 2.3	0.873	1.818	14.7	15.4
10 18	23 3.58	+ 0 58.9	0.945	1.837	19.4	15.8

288103 2003 WY_{34} 9 13.1 326°.36 2°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.00	+ 5 16.2	1.680	2.519	15.9	20.9
8 19	23 43.02	+ 5 14.2	1.600	2.513	12.5	20.7
8 29	23 36.88	+ 4 53.8	1.541	2.507	8.6	20.4
9 8	23 29.21	+ 4 16.9	1.506	2.501	4.6	20.2
9 18	23 20.91	+ 3 27.8	1.497	2.496	3.1	20.1
9 28	23 13.07	+ 2 32.9	1.514	2.491	6.5	20.3
10 8	23 6.68	+ 1 39.5	1.556	2.486	10.6	20.5
10 18	23 2.47	+ 0 54.0	1.621	2.482	14.4	20.7

451374 2011 AJ_{35} 9 13.1 284°.88 3°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.20	+ 6 52.8	2.364	3.175	12.8	21.2
8 19	23 42.69	+ 7 2.7	2.262	3.156	10.2	21.0
8 29	23 36.48	+ 6 58.8	2.184	3.137	7.3	20.8
9 8	23 29.05	+ 6 41.9	2.130	3.118	4.4	20.6
9 18	23 21.05	+ 6 14.0	2.104	3.100	3.1	20.5
9 28	23 13.27	+ 5 38.8	2.107	3.081	5.4	20.6
10 8	23 6.49	+ 5 1.2	2.137	3.062	8.5	20.8
10 18	23 1.33	+ 4 25.9	2.193	3.043	11.5	20.9

401233 2012 AW_{18} 9 13.1 144°.72 3°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.18	+10 7.8	2.486	3.277	12.8	21.0
8 19	23 42.45	+10 14.9	2.404	3.281	10.3	20.8
8 29	23 36.19	+10 6.6	2.345	3.285	7.6	20.7
9 8	23 28.91	+ 9 43.9	2.311	3.289	5.0	20.5
9 18	23 21.24	+ 9 9.0	2.304	3.293	3.7	20.5
9 28	23 13.92	+ 8 25.7	2.327	3.297	5.2	20.6
10 8	23 7.63	+ 7 39.0	2.377	3.300	7.8	20.7
10 18	23 2.89	+ 6 53.7	2.453	3.304	10.4	20.9

490064 2008 TZ_{100} 9 13.1 332°.30 0°.8/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.91	− 3 50.7	1.417	2.294	16.2	21.5
8 19	23 44.04	− 4 9.9	1.344	2.284	12.2	21.3
8 29	23 37.67	− 4 42.0	1.291	2.275	7.6	21.0
9 8	23 29.52	− 5 21.9	1.262	2.267	2.5	20.7
9 18	23 20.64	− 6 3.0	1.258	2.259	3.1	20.7
9 28	23 12.32	− 6 37.7	1.279	2.252	8.2	21.0
10 8	23 5.75	− 7 0.2	1.324	2.245	12.9	21.2
10 18	23 1.71	− 7 6.8	1.389	2.239	17.0	21.5

274838 2009 QL_{21} 9 13.1 22°.28 1°.1/12.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.43	− 4 14.6	1.070	1.963	19.0	19.6
8 19	23 44.76	− 4 31.5	1.022	1.971	14.2	19.3
8 29	23 38.17	− 5 2.8	0.993	1.980	8.7	19.1
9 8	23 29.66	− 5 41.8	0.985	1.990	2.9	18.8
9 18	23 20.59	− 6 20.1	1.001	2.002	3.5	18.8
9 28	23 12.53	− 6 49.3	1.039	2.014	9.2	19.2
10 8	23 6.72	− 7 3.5	1.099	2.027	14.2	19.5
10 18	23 3.89	− 7 0.1	1.178	2.042	18.4	19.9

152278 2005 SQ_{255} 9 13.1 250°.01 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.21	− 0 0.4	1.699	2.553	15.1	20.7
8 19	23 44.68	− 0 28.0	1.617	2.544	11.5	20.5
8 29	23 37.93	− 1 10.9	1.557	2.534	7.3	20.2
9 8	23 29.59	− 2 5.1	1.521	2.525	2.7	19.9
9 18	23 20.58	− 3 4.8	1.513	2.515	2.2	19.9
9 28	23 12.00	− 4 2.5	1.531	2.505	7.0	20.1
10 8	23 4.91	− 4 51.4	1.575	2.494	11.4	20.4
10 18	23 0.05	− 5 26.7	1.642	2.484	15.2	20.6

355757 2008 QR_{41} 9 13.1 270°.72 0°.5/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.54	− 4 10.2	4.487	5.333	6.5	20.8
8 19	23 35.46	− 4 45.9	4.401	5.326	4.8	20.7
8 29	23 31.63	− 5 26.1	4.341	5.320	2.9	20.5
9 8	23 27.31	− 6 8.7	4.309	5.314	1.0	20.4
9 18	23 22.81	− 6 51.3	4.308	5.307	1.3	20.4
9 28	23 18.45	− 7 31.5	4.337	5.301	3.3	20.5
10 8	23 14.58	− 8 7.0	4.395	5.294	5.2	20.7
10 18	23 11.45	− 8 36.2	4.480	5.288	6.9	20.8

330597 2008 DO_{6} 9 13.1 191°.66 0°.9/12.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.51	− 2 45.0	1.763	2.621	14.4	22.2
8 19	23 45.50	− 3 32.3	1.689	2.620	10.8	22.0
8 29	23 38.34	− 4 32.8	1.638	2.618	6.7	21.8
9 8	23 29.71	− 5 40.8	1.612	2.616	2.2	21.5
9 18	23 20.51	− 6 49.4	1.614	2.614	2.8	21.5
9 28	23 11.83	− 7 51.1	1.644	2.610	7.3	21.8
10 8	23 4.64	− 8 39.8	1.699	2.606	11.4	22.0
10 18	22 59.64	− 9 12.0	1.777	2.602	14.9	22.3

462601 2009 HF_{43} 9 13.1 43°.03 0°.6/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.14	− 0 55.5	1.049	1.936	19.8	20.7
8 19	23 44.40	− 1 45.7	1.012	1.957	14.8	20.5
8 29	23 37.83	− 2 55.4	0.993	1.978	9.0	20.3
9 8	23 29.51	− 4 15.8	0.996	2.001	2.9	20.0
9 18	23 20.81	− 5 35.8	1.022	2.024	3.3	20.1
9 28	23 13.24	− 6 44.3	1.073	2.048	8.9	20.5
10 8	23 7.94	− 7 33.7	1.145	2.072	13.9	20.9
10 18	23 5.50	− 8 0.6	1.236	2.097	18.0	21.2

40809 1999 TZ_{57} 9 13.1 38°.11 5°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.49	+15 52.2	2.064	2.842	15.4	19.4
8 19	23 40.00	+15 35.9	1.987	2.848	12.8	19.2
8 29	23 34.80	+14 56.1	1.929	2.854	9.9	19.0
9 8	23 28.47	+13 53.8	1.895	2.861	7.0	18.9
9 18	23 21.72	+12 32.4	1.886	2.868	5.3	18.8
9 28	23 15.39	+10 58.2	1.905	2.875	6.2	18.9
10 8	23 10.26	+ 9 19.5	1.951	2.882	8.8	19.0
10 18	23 6.88	+ 7 44.2	2.023	2.890	11.7	19.2

327122 2005 EL_{137} 9 13.1 144°.97 0°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.97	− 2 48.1	1.720	2.576	14.8	21.9
8 19	23 46.51	− 3 27.7	1.655	2.585	11.1	21.6
8 29	23 38.91	− 4 19.6	1.613	2.594	6.8	21.4
9 8	23 29.88	− 5 18.3	1.597	2.602	2.2	21.1
9 18	23 20.39	− 6 17.1	1.609	2.609	2.7	21.2
9 28	23 11.54	− 7 9.2	1.648	2.616	7.2	21.5
10 8	23 4.28	− 7 48.9	1.713	2.622	11.2	21.8
10 18	22 59.27	− 8 13.3	1.801	2.627	14.7	22.0

236008 2005 GE_{45} 9 13.1 99°.95 3°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.86	+ 9 34.1	1.998	2.807	14.8	20.6
8 19	23 42.49	+ 9 17.2	1.927	2.817	11.9	20.4
8 29	23 36.32	+ 8 40.9	1.877	2.828	8.5	20.2
9 8	23 28.98	+ 7 47.1	1.852	2.838	5.1	20.0
9 18	23 21.24	+ 6 40.1	1.854	2.848	3.5	20.0
9 28	23 13.99	+ 5 26.2	1.883	2.859	5.7	20.1
10 8	23 8.02	+ 4 12.7	1.940	2.869	9.0	20.3
10 18	23 3.90	+ 3 5.7	2.022	2.878	12.1	20.6

405489 2004 XZ_{91} 9 13.1 330°.22 1°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.52	− 5 15.4	2.072	2.937	12.3	21.5
8 19	23 41.49	− 5 48.9	1.995	2.931	9.2	21.2
8 29	23 35.73	− 6 31.0	1.942	2.925	5.6	21.0
9 8	23 28.80	− 7 17.1	1.915	2.919	2.0	20.8
9 18	23 21.41	− 8 2.2	1.916	2.914	2.8	20.8
9 28	23 14.42	− 8 40.8	1.944	2.909	6.5	21.1
10 8	23 8.61	− 9 8.7	1.998	2.904	10.0	21.3
10 18	23 4.56	− 9 23.3	2.076	2.900	13.1	21.5

217074 2001 SE_{276} 9 13.1 61°.84 13°.6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.24	+31 1.6	1.143	1.878	27.6	19.4
8 19	23 42.78	+31 18.3	1.079	1.885	24.8	19.2
8 29	23 37.21	+30 43.8	1.025	1.893	21.4	19.0
9 8	23 29.43	+29 11.7	0.987	1.900	17.9	18.8
9 18	23 20.82	+26 41.8	0.966	1.908	14.8	18.7
9 28	23 13.07	+23 24.5	0.966	1.916	13.6	18.6
10 8	23 7.65	+19 40.6	0.990	1.924	14.8	18.7
10 18	23 5.44	+15 54.1	1.036	1.932	17.7	18.9

365688 2010 VS_{104} 9 13.1 298°.19 6°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.03	−20 15.0	2.055	2.934	11.8	20.4
8 19	23 43.52	−21 19.8	1.984	2.919	9.2	20.2
8 29	23 37.06	−22 22.5	1.937	2.904	7.0	20.1
9 8	23 29.28	−23 15.8	1.915	2.889	6.3	20.0
9 18	23 20.97	−23 53.2	1.920	2.874	7.7	20.1
9 28	23 13.10	−24 9.8	1.951	2.859	10.3	20.2
10 8	23 6.55	−24 4.0	2.005	2.844	13.0	20.3
10 18	23 1.96	−23 36.6	2.079	2.830	15.5	20.5

255253 2005 US_{519} 9 13.1 34°.58 1°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.49	− 5 16.4	1.914	2.785	12.9	20.2
8 19	23 40.78	− 6 22.0	1.850	2.789	9.5	20.0
8 29	23 35.30	− 7 37.7	1.809	2.794	5.8	19.8
9 8	23 28.65	− 8 57.2	1.795	2.798	2.3	19.6
9 18	23 21.59	−10 13.4	1.808	2.803	3.5	19.7
9 28	23 15.02	−11 19.3	1.849	2.809	7.2	19.9
10 8	23 9.72	−12 9.8	1.915	2.814	10.8	20.1
10 18	23 6.25	−12 42.3	2.004	2.820	13.8	20.4

325591 2009 SV_{156} 9 13.1 239°.14 0°.8/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.72	− 4 24.1	2.624	3.475	10.5	21.9
8 19	23 41.32	− 4 58.3	2.537	3.466	7.8	21.7
8 29	23 35.50	− 5 40.1	2.476	3.456	4.8	21.5
9 8	23 28.71	− 6 25.9	2.442	3.446	1.6	21.2
9 18	23 21.52	− 7 11.6	2.437	3.436	2.2	21.3
9 28	23 14.62	− 7 53.0	2.462	3.426	5.4	21.5
10 8	23 8.63	− 8 26.1	2.513	3.415	8.4	21.7
10 18	23 4.07	− 8 48.5	2.590	3.404	11.1	21.8

353194 2009 SM_{100} 9 13.1 235°.19 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.36	− 6 12.0	4.598	5.443	6.4	20.9
8 19	23 37.50	− 6 25.2	4.513	5.439	4.7	20.8
8 29	23 32.87	− 6 41.3	4.455	5.434	2.9	20.6
9 8	23 27.75	− 6 58.7	4.425	5.429	1.0	20.5
9 18	23 22.45	− 7 15.5	4.426	5.424	1.4	20.5
9 28	23 17.32	− 7 29.9	4.457	5.419	3.3	20.6
10 8	23 12.69	− 7 40.2	4.517	5.414	5.1	20.8
10 18	23 8.83	− 7 45.2	4.604	5.409	6.7	20.9

397286 2006 SE_{51} 9 13.1 321°.85 3°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.12	+ 8 1.0	1.633	2.467	16.5	20.5
8 19	23 41.06	+ 7 59.3	1.542	2.449	13.3	20.3
8 29	23 35.80	+ 7 35.7	1.470	2.430	9.5	20.0
9 8	23 28.93	+ 6 51.4	1.422	2.412	5.7	19.7
9 18	23 21.28	+ 5 49.8	1.398	2.395	3.9	19.6
9 28	23 13.96	+ 4 38.1	1.400	2.379	6.8	19.7
10 8	23 8.04	+ 3 24.8	1.427	2.363	11.0	19.9
10 18	23 4.32	+ 2 18.3	1.476	2.347	14.9	20.1

343988 2011 OJ_{18} 9 13.1 113°.76 7°.3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.29	+19 12.2	1.973	2.725	16.9	20.7
8 19	23 43.74	+19 34.4	1.897	2.732	14.4	20.5
8 29	23 37.22	+19 32.0	1.838	2.739	11.7	20.3
9 8	23 29.34	+19 3.9	1.802	2.747	9.1	20.2
9 18	23 20.94	+18 11.5	1.791	2.753	7.4	20.1
9 28	23 13.01	+16 59.7	1.805	2.760	7.8	20.1
10 8	23 6.44	+15 36.3	1.846	2.767	9.9	20.3
10 18	23 1.89	+14 9.9	1.911	2.773	12.5	20.5

21284 Pandion 9 13.1 346°.31 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.25	+ 0 23.1	3.875	4.708	7.8	18.4
8 19	23 36.09	− 0 3.5	3.790	4.705	5.9	18.2
8 29	23 32.08	− 0 37.0	3.730	4.702	3.7	18.1
9 8	23 27.50	− 1 15.3	3.698	4.700	1.5	17.9
9 18	23 22.72	− 1 56.0	3.696	4.698	1.1	17.9
9 28	23 18.12	− 2 36.4	3.724	4.696	3.3	18.0
10 8	23 14.08	− 3 13.7	3.780	4.694	5.5	18.2
10 18	23 10.91	− 3 45.7	3.863	4.692	7.4	18.3

90893 1997 BE 9 13.1 188°.01 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.85	+ 4 42.5	2.251	3.071	13.0	20.3
8 19	23 43.85	+ 4 49.5	2.169	3.071	10.2	20.1
8 29	23 37.16	+ 4 43.4	2.110	3.071	7.0	19.9
9 8	23 29.30	+ 4 25.7	2.077	3.070	3.8	19.7
9 18	23 21.00	+ 3 59.1	2.072	3.070	2.6	19.6
9 28	23 13.07	+ 3 27.8	2.095	3.069	5.3	19.8
10 8	23 6.28	+ 2 56.3	2.146	3.069	8.6	20.0
10 18	23 1.22	+ 2 28.9	2.221	3.068	11.6	20.2

207887 2007 XU_{10} 9 13.1 101°.92 1°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.20	− 5 43.8	1.917	2.784	13.1	20.6
8 19	23 42.81	− 6 34.0	1.851	2.788	9.7	20.4
8 29	23 36.57	− 7 33.3	1.808	2.791	5.9	20.2
9 8	23 29.10	− 8 36.0	1.792	2.795	2.3	20.0
9 18	23 21.21	− 9 35.8	1.803	2.799	3.3	20.0
9 28	23 13.83	−10 26.3	1.842	2.803	7.1	20.3
10 8	23 7.79	−11 3.1	1.906	2.807	10.7	20.5
10 18	23 3.65	−11 23.6	1.993	2.811	13.8	20.7

205267 2000 SE_{55} 9 13.1 56°.24 0°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.69	− 4 22.7	1.114	1.994	19.4	19.4
8 19	23 49.91	− 4 30.5	1.074	2.016	14.5	19.2
8 29	23 41.19	− 4 51.2	1.054	2.038	8.9	19.0
9 8	23 30.68	− 5 18.4	1.056	2.061	2.9	18.7
9 18	23 19.83	− 5 45.0	1.082	2.083	3.3	18.8
9 28	23 10.24	− 6 3.8	1.133	2.106	8.8	19.2
10 8	23 3.12	− 6 9.9	1.207	2.129	13.7	19.5
10 18	22 59.08	− 6 1.5	1.300	2.153	17.7	19.9

390946 2005 JS_{132} 9 13.1 64°.39 1°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.37	− 4 35.1	1.839	2.707	13.5	21.1
8 19	23 42.24	− 5 29.6	1.776	2.713	10.0	20.9
8 29	23 36.23	− 6 34.6	1.736	2.719	6.1	20.6
9 8	23 28.99	− 7 44.2	1.721	2.726	2.2	20.4
9 18	23 21.33	− 8 51.5	1.734	2.732	3.2	20.5
9 28	23 14.21	− 9 49.7	1.775	2.738	7.2	20.8
10 8	23 8.44	−10 33.8	1.841	2.745	10.9	21.0
10 18	23 4.63	−11 0.8	1.929	2.751	14.0	21.2

293440 2007 EX_{159} 9 13.1 80°.78 1°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.70	− 5 5.1	2.263	3.125	11.5	20.2
8 19	23 40.62	− 6 12.9	2.206	3.140	8.5	20.0
8 29	23 35.06	− 7 28.8	2.173	3.156	5.1	19.8
9 8	23 28.55	− 8 47.4	2.168	3.171	2.0	19.6
9 18	23 21.76	−10 2.6	2.191	3.187	3.0	19.7
9 28	23 15.43	−11 8.7	2.244	3.202	6.3	20.0
10 8	23 10.20	−12 1.3	2.323	3.217	9.4	20.2
10 18	23 6.54	−12 38.1	2.425	3.232	12.0	20.4

323658 2005 EY_5 9 13.1 66°.16 1°.3/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.11	− 3 7.7	1.295	2.172	17.4	20.2
8 19	23 45.55	− 4 0.4	1.248	2.189	12.9	19.9
8 29	23 38.46	− 5 7.9	1.222	2.206	7.9	19.7
9 8	23 29.76	− 6 22.3	1.219	2.224	2.6	19.4
9 18	23 20.65	− 7 34.2	1.242	2.241	3.5	19.6
9 28	23 12.46	− 8 34.5	1.289	2.259	8.5	19.9
10 8	23 6.26	− 9 17.0	1.361	2.276	13.1	20.2
10 18	23 2.70	− 9 39.0	1.453	2.293	16.8	20.5

209785 2005 GQ_8 9 13.1 187°.70 4°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.78	+11 4.7	2.238	3.030	14.0	20.7
8 19	23 43.12	+11 2.4	2.152	3.029	11.4	20.5
8 29	23 36.74	+10 42.0	2.088	3.029	8.4	20.3
9 8	23 29.17	+10 4.4	2.049	3.027	5.5	20.1
9 18	23 21.13	+ 9 12.3	2.037	3.026	4.1	20.0
9 28	23 13.45	+ 8 10.5	2.053	3.024	5.7	20.1
10 8	23 6.91	+ 7 5.5	2.097	3.022	8.6	20.3
10 18	23 2.10	+ 6 3.1	2.165	3.019	11.5	20.5

410925 2009 SH_{232} 9 13.1 313°.56 3°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.95	+ 8 5.5	2.028	2.851	14.2	20.8
8 19	23 39.77	+ 7 43.4	1.931	2.831	11.3	20.6
8 29	23 34.80	+ 7 1.8	1.855	2.812	8.0	20.4
9 8	23 28.55	+ 6 2.4	1.803	2.794	4.6	20.1
9 18	23 21.70	+ 4 49.3	1.778	2.775	3.1	20.0
9 28	23 15.12	+ 3 28.7	1.780	2.757	5.7	20.1
10 8	23 9.66	+ 2 8.2	1.809	2.740	9.4	20.3
10 18	23 5.95	+ 0 54.6	1.862	2.723	12.8	20.5

245344 2005 EO_{184} 9 13.1 219°.33 2°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.32	+ 8 13.1	2.212	3.022	13.5	21.1
8 19	23 42.06	+ 7 43.2	2.121	3.015	10.8	20.9
8 29	23 36.11	+ 6 55.2	2.053	3.008	7.6	20.7
9 8	23 28.97	+ 5 51.1	2.010	3.001	4.3	20.5
9 18	23 21.33	+ 4 35.1	1.995	2.993	2.8	20.4
9 28	23 14.02	+ 3 13.3	2.009	2.985	5.4	20.5
10 8	23 7.82	+ 1 52.8	2.051	2.977	8.8	20.7
10 18	23 3.31	+ 0 39.7	2.118	2.968	11.9	20.9

24513 2001 BL_{35} 9 13.1 177°.63 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.64	+ 3 7.6	2.717	3.544	10.8	18.4
8 19	23 39.71	+ 2 2.8	2.633	3.545	8.3	18.2
8 29	23 34.47	+ 0 44.9	2.575	3.546	5.3	18.0
9 8	23 28.36	− 0 42.4	2.545	3.546	2.1	17.8
9 18	23 21.94	− 2 14.1	2.544	3.546	1.5	17.8
9 28	23 15.80	− 3 44.3	2.575	3.546	4.7	18.0
10 8	23 10.54	− 5 7.7	2.634	3.546	7.7	18.2
10 18	23 6.61	− 6 19.9	2.720	3.545	10.3	18.4

300757 2007 VK_{229} 9 13.1 18°.56 3°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.58	+ 7 12.2	1.702	2.533	16.1	20.5
8 19	23 42.63	+ 7 8.1	1.629	2.535	12.8	20.3
8 29	23 36.61	+ 6 44.1	1.577	2.538	9.0	20.1
9 8	23 29.17	+ 6 2.2	1.549	2.540	5.1	19.9
9 18	23 21.19	+ 5 6.7	1.546	2.543	3.5	19.8
9 28	23 13.72	+ 4 4.3	1.570	2.547	6.3	20.0
10 8	23 7.70	+ 3 2.6	1.619	2.551	10.2	20.2
10 18	23 3.81	+ 2 8.2	1.691	2.554	13.7	20.5

445739 2011 UX_{397} 9 13.1 314°.28 6°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.88	+15 36.0	1.854	2.639	16.7	20.8
8 19	23 41.39	+15 42.4	1.766	2.631	14.0	20.6
8 29	23 35.89	+15 24.2	1.697	2.623	11.0	20.4
9 8	23 28.96	+14 40.9	1.649	2.614	8.0	20.2
9 18	23 21.39	+13 34.8	1.627	2.607	6.2	20.1
9 28	23 14.19	+12 11.6	1.631	2.599	7.2	20.2
10 8	23 8.29	+10 39.9	1.660	2.592	10.0	20.3
10 18	23 4.41	+ 9 8.7	1.714	2.585	13.2	20.5

300719 2007 VG_{121} 9 13.1 259°.87 1°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.56	+ 1 6.2	1.980	2.822	13.7	21.6
8 19	23 43.92	+ 0 54.5	1.895	2.814	10.5	21.4
8 29	23 37.36	+ 0 29.7	1.833	2.805	6.8	21.2
9 8	23 29.44	− 0 5.5	1.796	2.797	2.9	20.9
9 18	23 20.96	− 0 46.8	1.786	2.788	2.0	20.8
9 28	23 12.86	− 1 29.0	1.805	2.780	6.0	21.1
10 8	23 6.03	− 2 6.3	1.850	2.771	9.8	21.3
10 18	23 1.11	− 2 34.7	1.919	2.762	13.3	21.5

91551 1999 RA_{212} 9 13.1 235°.45 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.24	+ 3 19.1	2.532	3.353	11.7	19.3
8 19	23 43.29	+ 3 19.3	2.440	3.344	9.1	19.1
8 29	23 36.79	+ 3 8.4	2.371	3.335	6.1	18.9
9 8	23 29.22	+ 2 47.9	2.330	3.326	3.1	18.7
9 18	23 21.19	+ 2 20.5	2.317	3.317	2.1	18.6
9 28	23 13.44	+ 1 49.8	2.333	3.307	4.9	18.8
10 8	23 6.67	+ 1 20.1	2.377	3.297	8.0	18.9
10 18	23 1.42	+ 0 55.0	2.447	3.287	10.9	19.1

101267 1998 SU_{107} 9 13.1 334°.62 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.84	+ 1 35.5	1.204	2.080	18.6	19.3
8 19	23 42.94	+ 1 32.4	1.130	2.067	14.5	19.1
8 29	23 37.26	+ 1 8.9	1.075	2.054	9.5	18.7
9 8	23 29.52	+ 0 28.2	1.041	2.043	4.1	18.4
9 18	23 20.87	− 0 23.5	1.030	2.033	2.8	18.3
9 28	23 12.77	− 1 17.4	1.043	2.023	8.2	18.6
10 8	23 6.59	− 2 4.0	1.078	2.015	13.5	18.9
10 18	23 3.26	− 2 36.4	1.133	2.008	18.2	19.1

40547 1999 RH_{111} 9 13.1 315°.25 0°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.50	+ 1 55.3	1.505	2.371	16.1	18.2
8 19	23 39.95	+ 0 39.5	1.421	2.355	12.2	18.0
8 29	23 35.17	− 1 0.1	1.358	2.339	7.7	17.7
9 8	23 28.76	− 2 57.4	1.319	2.323	2.7	17.3
9 18	23 21.60	− 5 2.5	1.307	2.308	2.7	17.3
9 28	23 14.85	− 7 3.5	1.321	2.294	7.9	17.6
10 8	23 9.57	− 8 48.9	1.359	2.280	12.7	17.8
10 18	23 6.57	−10 11.4	1.420	2.266	16.8	18.0

479988 2014 KH_{1} 9 13.1 188°.72 7°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.26	−25 18.4	2.222	3.091	11.4	21.0
8 19	23 45.01	−26 40.0	2.170	3.091	9.3	20.9
8 29	23 37.91	−27 55.1	2.142	3.090	7.8	20.8
9 8	23 29.60	−28 56.3	2.140	3.089	7.6	20.7
9 18	23 20.88	−29 37.3	2.165	3.087	8.9	20.8
9 28	23 12.70	−29 54.7	2.215	3.085	10.9	21.0
10 8	23 5.88	−29 47.9	2.287	3.083	13.1	21.1
10 18	23 1.00	−29 18.8	2.379	3.080	15.0	21.3

353195 2009 SP_{119} 9 13.1 266°.10 1°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.53	+ 3 27.0	4.352	5.167	7.3	21.6
8 19	23 36.23	+ 3 10.4	4.262	5.164	5.6	21.5
8 29	23 32.16	+ 2 46.9	4.198	5.160	3.8	21.3
9 8	23 27.58	+ 2 17.7	4.161	5.157	1.9	21.2
9 18	23 22.80	+ 1 44.9	4.153	5.154	1.2	21.1
9 28	23 18.18	+ 1 10.6	4.176	5.150	2.9	21.3
10 8	23 14.06	+ 0 37.3	4.228	5.147	4.8	21.4
10 18	23 10.73	+ 0 7.1	4.307	5.144	6.6	21.5

38051 1998 XJ_{5} 9 13.1 282°.45 2°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.61	−13 13.5	4.322	5.185	6.4	19.1
8 19	23 37.06	−13 45.5	4.237	5.171	4.8	19.0
8 29	23 32.68	−14 18.4	4.178	5.157	3.1	18.9
9 8	23 27.76	−14 49.9	4.149	5.143	2.0	18.8
9 18	23 22.63	−15 17.4	4.149	5.128	2.8	18.8
9 28	23 17.66	−15 38.8	4.178	5.114	4.4	18.9
10 8	23 13.21	−15 52.4	4.235	5.100	6.2	19.1
10 18	23 9.59	−15 57.2	4.317	5.086	7.8	19.2

476738 2008 UN_{46} 9 13.1 310°.85 1°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.07	+ 2 8.5	1.628	2.479	15.8	21.7
8 19	23 43.93	+ 1 59.3	1.548	2.471	12.2	21.4
8 29	23 37.54	+ 1 33.7	1.490	2.463	8.0	21.2
9 8	23 29.56	+ 0 54.4	1.455	2.456	3.6	20.9
9 18	23 20.90	+ 0 6.4	1.447	2.449	2.4	20.8
9 28	23 12.71	− 0 43.5	1.465	2.442	6.8	21.1
10 8	23 6.03	− 1 28.3	1.508	2.435	11.2	21.3
10 18	23 1.62	− 2 2.6	1.573	2.429	15.0	21.5

15035 1998 WS_{3} 9 13.1 160°.78 3°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.45	− 8 28.7	1.464	2.340	15.8	17.7
8 19	23 48.05	− 9 19.9	1.402	2.344	11.8	17.5
8 29	23 40.09	−10 19.7	1.363	2.347	7.3	17.3
9 8	23 30.41	−11 20.3	1.348	2.350	3.5	17.0
9 18	23 20.15	−12 13.3	1.359	2.352	5.0	17.1
9 28	23 10.64	−12 51.3	1.397	2.354	9.4	17.4
10 8	23 3.04	−13 9.9	1.458	2.356	13.6	17.7
10 18	22 58.06	−13 8.0	1.540	2.357	17.2	17.9

509316 2006 WL_{44} 9 13.1 309°.51 1°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.11	− 3 49.7	1.308	2.193	16.8	21.8
8 19	23 43.03	− 4 41.1	1.229	2.174	12.7	21.5
8 29	23 37.29	− 5 49.8	1.169	2.156	7.8	21.2
9 8	23 29.55	− 7 9.2	1.133	2.138	2.8	20.8
9 18	23 20.88	− 8 29.5	1.121	2.120	4.0	20.8
9 28	23 12.67	− 9 40.0	1.134	2.103	9.4	21.1
10 8	23 6.24	−10 31.9	1.169	2.086	14.5	21.4
10 18	23 2.52	−11 0.5	1.223	2.070	19.0	21.6

158011 2000 QP_{112} 9 13.1 12°.68 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+ 2 9.5	1.580	2.439	15.8	19.6
8 19	23 41.33	+ 0 53.8	1.509	2.439	12.0	19.4
8 29	23 35.87	− 0 43.0	1.460	2.440	7.5	19.1
9 8	23 28.96	− 2 34.3	1.437	2.440	2.6	18.8
9 18	23 21.50	− 4 30.6	1.439	2.441	2.4	18.8
9 28	23 14.56	− 6 21.2	1.470	2.442	7.3	19.1
10 8	23 9.12	− 7 56.5	1.525	2.444	11.7	19.4
10 18	23 5.86	− 9 10.5	1.603	2.445	15.5	19.6

518011 2015 VF_{81} 9 13.1 263°.92 2°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.10	− 9 17.8	2.343	3.210	11.0	21.7
8 19	23 41.79	−10 3.5	2.266	3.203	8.1	21.5
8 29	23 35.89	−10 54.5	2.213	3.196	5.0	21.3
9 8	23 28.92	−11 45.8	2.188	3.188	2.6	21.1
9 18	23 21.54	−12 32.4	2.191	3.181	3.7	21.2
9 28	23 14.51	−13 9.5	2.222	3.174	6.8	21.3
10 8	23 8.55	−13 33.7	2.279	3.166	9.8	21.5
10 18	23 4.18	−13 43.3	2.360	3.159	12.5	21.7

509499 2007 UT_{21} 9 13.1 63°.32 3°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.08	+ 8 59.8	1.752	2.574	16.1	21.3
8 19	23 42.13	+ 8 34.4	1.687	2.586	12.8	21.2
8 29	23 36.23	+ 7 47.3	1.642	2.599	9.0	21.0
9 8	23 29.05	+ 6 41.2	1.621	2.611	5.2	20.8
9 18	23 21.44	+ 5 21.6	1.627	2.624	3.4	20.7
9 28	23 14.40	+ 3 56.3	1.659	2.637	6.1	20.9
10 8	23 8.80	+ 2 33.7	1.718	2.650	9.7	21.1
10 18	23 5.21	+ 1 20.8	1.801	2.663	13.1	21.4

209507 2004 PP_{10} 9 13.1 38°.15 2°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.60	+ 9 0.3	2.742	3.543	11.5	19.0
8 19	23 38.93	+ 8 48.9	2.666	3.551	9.1	18.9
8 29	23 33.99	+ 8 23.7	2.612	3.560	6.6	18.7
9 8	23 28.24	+ 7 46.2	2.584	3.568	4.1	18.6
9 18	23 22.20	+ 6 59.1	2.584	3.577	2.9	18.5
9 28	23 16.47	+ 6 6.5	2.613	3.586	4.4	18.6
10 8	23 11.62	+ 5 13.0	2.669	3.596	6.9	18.8
10 18	23 8.06	+ 4 22.7	2.752	3.605	9.4	19.0

433283 2013 *BK* 9 13.1 258°.32 1°.7/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.99	−11 27.2	4.347	5.209	6.4	21.6
8 19	23 36.58	−12 0.8	4.271	5.206	4.7	21.4
8 29	23 32.37	−12 36.1	4.222	5.202	3.0	21.3
9 8	23 27.66	−13 10.4	4.201	5.199	1.8	21.2
9 18	23 22.76	−13 41.6	4.210	5.195	2.5	21.3
9 28	23 18.03	−14 7.2	4.249	5.192	4.1	21.4
10 8	23 13.83	−14 25.6	4.316	5.188	5.9	21.5
10 18	23 10.44	−14 35.8	4.407	5.185	7.5	21.6

4195 Esambaev 9 13.1 317°.92 0°.2/13.3 18

8 9	23 46.14	− 0 37.6	1.860	2.716	13.9	16.9
8 19	23 42.19	− 1 8.8	1.782	2.711	10.5	16.7
8 29	23 36.31	− 1 53.5	1.727	2.706	6.6	16.4
9 8	23 29.10	− 2 47.6	1.697	2.701	2.3	16.2
9 18	23 21.37	− 3 45.5	1.694	2.696	2.1	16.1
9 28	23 14.06	− 4 40.7	1.718	2.691	6.4	16.4
10 8	23 8.06	− 5 27.0	1.768	2.686	10.4	16.6
10 18	23 4.00	− 6 0.5	1.841	2.682	13.8	16.9

360882 2005 SN_{80} 9 13.1 304°.18 1°.0/12.2 18

8 9	23 46.67	− 4 20.1	1.958	2.821	13.0	21.4
8 19	23 42.53	− 4 51.1	1.876	2.810	9.7	21.1
8 29	23 36.51	− 5 31.9	1.818	2.800	6.0	20.9
9 8	23 29.17	− 6 18.2	1.785	2.789	2.0	20.6
9 18	23 21.30	− 7 4.7	1.780	2.779	2.7	20.7
9 28	23 13.81	− 7 45.4	1.802	2.769	6.7	20.9
10 8	23 7.56	− 8 15.6	1.850	2.759	10.5	21.1
10 18	23 3.21	− 8 32.2	1.920	2.749	13.8	21.3

508052 2015 BL_{536} 9 13.1 95°.96 2°.1/11.4 17

8 9	23 51.71	− 6 31.3	1.636	2.505	14.8	21.0
8 19	23 46.35	− 7 14.5	1.583	2.520	11.0	20.8
8 29	23 38.83	− 8 6.3	1.552	2.535	6.7	20.6
9 8	23 29.93	− 9 0.3	1.547	2.550	2.6	20.4
9 18	23 20.67	− 9 49.6	1.568	2.565	3.8	20.5
9 28	23 12.15	−10 27.8	1.617	2.579	7.9	20.8
10 8	23 5.32	−10 50.8	1.691	2.593	11.8	21.0
10 18	23 0.78	−10 57.1	1.786	2.607	15.1	21.3

242938 2006 QR_{108} 9 13.1 49°.22 0°.9/14.1 18

8 9	23 45.81	+ 2 48.2	1.589	2.443	15.9	20.1
8 19	23 41.98	+ 1 59.5	1.537	2.462	12.1	19.9
8 29	23 36.14	+ 0 52.6	1.505	2.481	7.7	19.7
9 8	23 29.01	− 0 26.9	1.499	2.501	3.1	19.5
9 18	23 21.53	− 1 51.4	1.519	2.521	2.1	19.5
9 28	23 14.74	− 3 12.2	1.566	2.541	6.5	19.8
10 8	23 9.49	− 4 21.8	1.638	2.562	10.6	20.1
10 18	23 6.35	− 5 15.4	1.733	2.583	14.1	20.4

239428 2007 TR_{147} 9 13.1 4°.64 3°.1/10.8 18

8 9	23 44.23	− 7 46.3	1.194	2.094	17.0	19.7
8 19	23 41.52	− 8 29.9	1.140	2.093	12.6	19.4
8 29	23 36.19	− 9 24.0	1.105	2.094	7.7	19.2
9 8	23 29.11	−10 20.4	1.093	2.096	3.5	18.9
9 18	23 21.43	−11 9.9	1.104	2.100	5.1	19.1
9 28	23 14.52	−11 44.0	1.139	2.105	9.8	19.3
10 8	23 9.55	−11 57.8	1.196	2.112	14.4	19.6
10 18	23 7.22	−11 49.7	1.271	2.120	18.3	19.9

444430 2006 BD_{144} 9 13.1 261°.16 0°.1/13.2 17

8 9	23 45.08	− 0 0.7	2.707	3.544	10.6	21.9
8 19	23 40.94	− 0 50.2	2.602	3.521	8.0	21.7
8 29	23 35.37	− 1 51.3	2.522	3.497	5.1	21.5
9 8	23 28.77	− 3 0.8	2.469	3.473	1.8	21.2
9 18	23 21.69	− 4 14.3	2.446	3.448	1.7	21.1
9 28	23 14.79	− 5 26.3	2.454	3.422	5.1	21.3
10 8	23 8.72	− 6 31.8	2.489	3.396	8.3	21.5
10 18	23 4.01	− 7 26.8	2.550	3.370	11.1	21.7

407912 2012 CV_{6} 9 13.1 177°.62 1°.6/15.1 18

8 9	23 46.62	+ 3 44.6	2.566	3.388	11.6	21.9
8 19	23 42.02	+ 3 31.5	2.484	3.389	9.0	21.7
8 29	23 35.96	+ 3 6.7	2.425	3.390	6.0	21.5
9 8	23 28.95	+ 2 32.2	2.393	3.390	2.9	21.3
9 18	23 21.56	+ 1 51.1	2.390	3.390	1.9	21.3
9 28	23 14.50	+ 1 7.6	2.416	3.390	4.7	21.5
10 8	23 8.41	+ 0 26.3	2.470	3.390	7.7	21.7
10 18	23 3.79	− 0 9.3	2.549	3.389	10.5	21.8

204402 2004 UU_{9} 9 13.1 340°.26 9°.0/21.9 18

8 9	23 43.76	+19 45.1	1.485	2.266	20.3	19.2
8 19	23 41.06	+20 13.7	1.403	2.258	17.5	19.0
8 29	23 35.96	+20 10.7	1.339	2.250	14.4	18.8
9 8	23 29.08	+19 33.3	1.293	2.243	11.3	18.6
9 18	23 21.40	+18 22.2	1.270	2.237	9.2	18.5
9 28	23 14.17	+16 43.7	1.270	2.232	9.5	18.5
10 8	23 8.58	+14 49.2	1.293	2.227	12.0	18.6
10 18	23 5.45	+12 51.4	1.339	2.224	15.3	18.8

442877 2013 BX_{25} 9 13.1 326°.04 4°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.19	−10 1.5	1.504	2.398	14.5	19.9
8 19	23 40.49	−11 30.1	1.431	2.381	10.8	19.6
8 29	23 35.52	−13 9.5	1.379	2.365	6.9	19.4
9 8	23 28.90	−14 50.2	1.352	2.349	4.5	19.2
9 18	23 21.58	−16 21.7	1.350	2.334	6.6	19.3
9 28	23 14.71	−17 33.9	1.373	2.320	10.6	19.5
10 8	23 9.37	−18 20.8	1.419	2.307	14.6	19.7
10 18	23 6.34	−18 40.1	1.484	2.294	18.1	19.9

325661 2009 SD_{354} 9 13.1 184°.50 3°.1/ 9.4 18

8 9	23 47.72	−13 5.7	2.569	3.435	10.2	21.0
8 19	23 42.81	−13 44.6	2.500	3.435	7.6	20.8
8 29	23 36.43	−14 25.1	2.456	3.435	4.9	20.6
9 8	23 29.10	−15 2.7	2.440	3.435	3.2	20.5
9 18	23 21.45	−15 33.1	2.453	3.434	4.2	20.6
9 28	23 14.18	−15 52.6	2.494	3.434	6.8	20.8
10 8	23 7.95	−15 59.2	2.561	3.433	9.4	20.9
10 18	23 3.25	−15 52.0	2.652	3.432	11.8	21.1

76773 2000 KS_{53} 9 13.1 29°.14 2°.0/11.1 18

8 9	23 45.91	− 5 28.6	1.786	2.658	13.6	18.9
8 19	23 42.02	− 6 27.7	1.721	2.661	10.1	18.7
8 29	23 36.19	− 7 37.1	1.679	2.664	6.1	18.4
9 8	23 29.07	− 8 50.6	1.663	2.667	2.4	18.2
9 18	23 21.50	−10 0.8	1.674	2.670	3.6	18.3
9 28	23 14.44	−11 0.6	1.711	2.673	7.6	18.5
10 8	23 8.77	−11 44.7	1.774	2.676	11.3	18.8
10 18	23 5.08	−12 10.5	1.859	2.680	14.5	19.0

424222 2007 RS_{105} 9 13.1 1°.45 2°.9/11.8 17

8 9	23 49.51	− 9 18.6	0.863	1.776	20.5	19.7
8 19	23 46.33	− 9 10.5	0.813	1.772	15.5	19.4
8 29	23 39.59	− 9 9.8	0.780	1.770	9.6	19.1
9 8	23 30.36	− 9 9.3	0.766	1.770	3.9	18.8
9 18	23 20.30	− 9 1.7	0.773	1.772	5.1	18.9
9 28	23 11.37	− 8 40.8	0.800	1.776	11.0	19.3
10 8	23 5.16	− 8 3.5	0.847	1.781	16.6	19.6
10 18	23 2.53	− 7 10.2	0.911	1.788	21.3	19.9

278316 2007 HP_{27} 9 13.1 28°.20 6°.3/ 8.9 18

8 9	23 50.72	−15 50.5	1.214	2.113	16.8	20.0
8 19	23 46.20	−16 40.0	1.175	2.125	12.7	19.8
8 29	23 38.96	−17 28.6	1.156	2.138	8.6	19.7
9 8	23 30.01	−18 6.7	1.160	2.152	6.3	19.6
9 18	23 20.70	−18 26.1	1.187	2.167	8.0	19.7
9 28	23 12.46	−18 22.1	1.238	2.183	11.6	20.0
10 8	23 6.42	−17 54.2	1.310	2.200	15.4	20.2
10 18	23 3.18	−17 4.8	1.401	2.217	18.7	20.5

37093 2000 UE_{86} 9 13.1 51°.67 1°.8/15.3 18

8 9	23 44.40	+ 5 32.4	2.115	2.943	13.4	19.1
8 19	23 40.65	+ 4 53.1	2.036	2.945	10.5	19.0
8 29	23 35.25	+ 3 56.9	1.980	2.946	7.0	18.7
9 8	23 28.74	+ 2 46.9	1.950	2.947	3.4	18.5
9 18	23 21.81	+ 1 28.3	1.947	2.949	2.1	18.4
9 28	23 15.26	+ 0 7.7	1.973	2.950	5.3	18.7
10 8	23 9.85	− 1 8.1	2.027	2.951	8.9	18.9
10 18	23 6.12	− 2 13.7	2.104	2.953	12.0	19.1

222187 2000 CD_{88} 9 13.1 272°.64 2°.9/ 9.1 18

8 9	23 43.74	− 9 2.7	2.386	3.256	10.7	19.9
8 19	23 40.08	−10 25.4	2.304	3.243	7.9	19.7
8 29	23 34.88	−11 55.7	2.248	3.231	4.9	19.5
9 8	23 28.62	−13 27.2	2.219	3.218	2.9	19.4
9 18	23 21.91	−14 53.5	2.220	3.204	4.3	19.4
9 28	23 15.48	−16 8.2	2.249	3.191	7.3	19.6
10 8	23 10.02	−17 6.7	2.305	3.178	10.3	19.8
10 18	23 6.09	−17 46.7	2.383	3.165	12.9	19.9

254036 2004 FJ_{147} 9 13.1 18°.71 24°.3/30.2 17

8 9	0 10.50	−48 30.2	0.884	1.733	25.9	19.5
8 19	0 3.15	−50 18.9	0.871	1.735	24.7	19.4
8 29	23 50.13	−51 20.5	0.870	1.738	24.3	19.4
9 8	23 33.80	−51 17.9	0.883	1.741	24.6	19.5
9 18	23 17.47	−50 4.3	0.909	1.745	25.5	19.6
9 28	23 4.27	−47 45.1	0.948	1.750	26.9	19.7
10 8	22 55.92	−44 35.4	0.999	1.756	28.5	19.9
10 18	22 52.67	−40 52.2	1.063	1.762	30.1	20.1

437375 2013 VF_{20} 9 13.1 290°.84 4°.0/ 9.9 18

8 9	23 50.61	−10 40.7	1.495	2.379	15.2	21.1
8 19	23 46.19	−11 28.5	1.414	2.359	11.4	20.8
8 29	23 39.17	−12 23.9	1.355	2.339	7.3	20.5
9 8	23 30.21	−13 19.2	1.320	2.319	4.1	20.3
9 18	23 20.39	−14 6.0	1.310	2.299	5.8	20.4
9 28	23 11.01	−14 36.5	1.325	2.279	10.1	20.6
10 8	23 3.35	−14 46.0	1.364	2.260	14.5	20.8
10 18	22 58.30	−14 33.2	1.423	2.240	18.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
366617 2003 OS_6			9 13.1 104°.57		0°.9/14.1 17	
	h m	° ′			°	m
8 9	23 55.22	+ 3 1.2	1.803	2.632	15.4	21.9
8 19	23 48.63	+ 2 9.3	1.755	2.667	11.7	21.8
8 29	23 40.07	+ 1 1.3	1.730	2.700	7.4	21.6
9 8	23 30.35	− 0 17.4	1.731	2.733	2.9	21.4
9 18	23 20.41	− 1 39.8	1.762	2.764	2.0	21.4
9 28	23 11.30	− 2 58.2	1.822	2.793	6.2	21.7
10 8	23 3.86	− 4 6.0	1.909	2.822	10.0	22.0
10 18	22 58.61	− 4 59.0	2.020	2.849	13.2	22.3
2496 Fernandus			9 13.2 256°.10		0°.1/13.1 18	
8 9	23 50.37	− 0 56.8	1.331	2.201	17.5	16.5
8 19	23 46.07	− 1 29.9	1.262	2.197	13.3	16.2
8 29	23 39.07	− 2 20.9	1.212	2.194	8.4	15.9
9 8	23 30.16	− 3 24.2	1.186	2.190	2.9	15.6
9 18	23 20.49	− 4 31.9	1.184	2.186	2.8	15.6
9 28	23 11.46	− 5 34.4	1.208	2.182	8.3	15.9
10 8	23 4.34	− 6 23.5	1.256	2.178	13.3	16.2
10 18	22 59.95	− 6 54.4	1.324	2.175	17.6	16.4
428563 2008 CE_{145}			9 13.2 157°.69		1°.1/14.1 17	
8 9	23 51.44	+ 1 41.8	1.746	2.588	15.2	21.9
8 19	23 46.22	+ 1 18.0	1.675	2.594	11.7	21.7
8 29	23 38.84	+ 0 38.6	1.626	2.599	7.5	21.5
9 8	23 30.01	− 0 12.7	1.602	2.603	3.1	21.2
9 18	23 20.67	− 1 10.3	1.605	2.607	2.1	21.2
9 28	23 11.88	− 2 7.3	1.636	2.610	6.5	21.4
10 8	23 4.64	− 2 57.2	1.694	2.613	10.6	21.7
10 18	22 59.60	− 3 35.1	1.774	2.616	14.2	21.9
70761 1999 VP_{32}			9 13.2 235°.84		6°.7/20.5 18	
8 9	23 46.86	+17 43.3	1.955	2.719	16.6	19.7
8 19	23 42.80	+17 54.0	1.869	2.716	14.1	19.5
8 29	23 36.76	+17 40.0	1.801	2.713	11.2	19.3
9 8	23 29.32	+17 0.6	1.756	2.710	8.5	19.2
9 18	23 21.29	+15 57.5	1.735	2.707	6.8	19.1
9 28	23 13.64	+14 36.1	1.742	2.703	7.4	19.1
10 8	23 7.30	+13 4.5	1.774	2.700	9.8	19.2
10 18	23 2.94	+11 31.5	1.830	2.696	12.7	19.4
217179 2002 RW_{85}			9 13.2 21°.03		1°.2/12.4 17	
8 9	23 44.94	− 3 18.5	0.918	1.823	20.3	19.3
8 19	23 42.45	− 3 49.7	0.879	1.834	15.2	19.1
8 29	23 36.91	− 4 38.8	0.857	1.847	9.3	18.8
9 8	23 29.40	− 5 37.1	0.856	1.861	3.1	18.5
9 18	23 21.36	− 6 34.1	0.876	1.877	3.8	18.6
9 28	23 14.43	− 7 19.3	0.918	1.895	9.7	19.0
10 8	23 9.86	− 7 45.6	0.980	1.914	14.9	19.4
10 18	23 8.31	− 7 50.1	1.060	1.934	19.2	19.7
262986 2007 EC_{48}			9 13.2 189°.01		1°.1/11.7 18	
8 9	23 46.80	− 5 48.6	2.736	3.588	10.1	21.8
8 19	23 42.07	− 6 22.6	2.658	3.587	7.5	21.6
8 29	23 35.98	− 7 2.6	2.605	3.585	4.6	21.4
9 8	23 28.99	− 7 45.2	2.580	3.584	1.7	21.2
9 18	23 21.67	− 8 26.4	2.585	3.582	2.3	21.3
9 28	23 14.67	− 9 2.2	2.619	3.579	5.3	21.5
10 8	23 8.58	− 9 29.4	2.680	3.577	8.2	21.7
10 18	23 3.89	− 9 46.0	2.767	3.574	10.7	21.8
83983 2002 GE_{39}			9 13.2 325°.77		0°.6/14.4 18	
8 9	23 41.39	+ 4 42.5	3.889	4.698	8.2	18.7
8 19	23 37.74	+ 3 21.4	3.790	4.691	6.3	18.5
8 29	23 33.17	+ 1 49.2	3.718	4.684	4.1	18.4
9 8	23 28.01	+ 0 9.0	3.677	4.677	1.7	18.2
9 18	23 22.60	− 1 35.3	3.668	4.670	1.1	18.1
9 28	23 17.36	− 3 19.2	3.693	4.664	3.4	18.3
10 8	23 12.70	− 4 58.4	3.749	4.657	5.7	18.5
10 18	23 8.94	− 6 29.1	3.835	4.651	7.8	18.6
236051 2005 JV_{13}			9 13.2 72°.80		2°.4/15.3 18	
8 9	23 51.67	+ 3 55.5	1.831	2.662	15.1	20.3
8 19	23 46.16	+ 4 3.6	1.773	2.681	11.7	20.1
8 29	23 38.68	+ 3 56.7	1.736	2.701	7.9	19.9
9 8	23 29.94	+ 3 36.9	1.724	2.720	4.0	19.7
9 18	23 20.85	+ 3 8.0	1.739	2.739	2.7	19.7
9 28	23 12.42	+ 2 35.1	1.783	2.758	5.9	19.9
10 8	23 5.49	+ 2 3.7	1.852	2.777	9.6	20.2
10 18	23 0.66	+ 1 38.2	1.946	2.796	12.8	20.4
157063 2003 SJ_{211}			9 13.2 351°.12		4°.3/ 8.6 18	
8 9	23 48.66	−15 53.2	2.217	3.090	11.3	19.6
8 19	23 43.75	−16 35.7	2.153	3.090	8.5	19.4
8 29	23 37.14	−17 18.0	2.113	3.089	5.8	19.2
9 8	23 29.41	−17 54.7	2.100	3.089	4.3	19.1
9 18	23 21.32	−18 20.6	2.114	3.088	5.5	19.2
9 28	23 13.71	−18 31.9	2.156	3.088	8.2	19.4
10 8	23 7.33	−18 26.8	2.223	3.088	11.0	19.6
10 18	23 2.73	−18 5.5	2.312	3.088	13.4	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369750 2012 FA_{53}			9 13.2 150°.26		3°.9/ 9.8 18	
	h m	° ′			°	m
8 9	23 50.32	− 9 14.9	1.460	2.343	15.5	20.4
8 19	23 45.75	−10 26.3	1.400	2.345	11.5	20.2
8 29	23 38.72	−11 46.4	1.363	2.347	7.2	20.0
9 8	23 30.02	−13 6.5	1.349	2.349	4.0	19.8
9 18	23 20.75	−14 16.9	1.362	2.351	5.7	19.9
9 28	23 12.18	−15 9.2	1.400	2.352	9.9	20.1
10 8	23 5.40	−15 39.0	1.462	2.354	13.9	20.4
10 18	23 1.16	−15 45.0	1.544	2.355	17.4	20.6
355585 2008 CE_{125}			9 13.2 306°.63		5°.9/ 7.1 18	
8 9	23 46.58	−15 47.4	1.727	2.615	13.2	20.4
8 19	23 42.81	−17 8.7	1.655	2.599	10.1	20.2
8 29	23 36.87	−18 33.1	1.607	2.584	7.1	20.0
9 8	23 29.40	−19 51.5	1.584	2.570	5.9	19.9
9 18	23 21.29	−20 55.5	1.587	2.555	7.6	20.0
9 28	23 13.64	−21 37.7	1.615	2.541	10.8	20.1
10 8	23 7.45	−21 55.0	1.665	2.527	14.2	20.3
10 18	23 3.44	−21 47.1	1.735	2.513	17.2	20.5
452709 2005 YT_{120}			9 13.2 265°.61		3°.6/ 8.5 18	
8 9	23 45.00	−11 58.5	2.289	3.163	10.9	21.4
8 19	23 41.06	−13 11.8	2.215	3.156	8.1	21.2
8 29	23 35.52	−14 29.5	2.167	3.148	5.3	21.0
9 8	23 28.88	−15 45.5	2.146	3.140	3.6	20.9
9 18	23 21.81	−16 53.5	2.153	3.132	5.0	21.0
9 28	23 15.09	−17 47.9	2.188	3.124	7.9	21.1
10 8	23 9.44	−18 25.0	2.248	3.116	10.7	21.3
10 18	23 5.40	−18 43.4	2.330	3.107	13.3	21.5
98335 2000 SP_{295}			9 13.2 248°.68		2°.7/11.2 18	
8 9	23 53.94	− 8 23.0	1.555	2.427	15.3	18.2
8 19	23 48.52	− 8 53.5	1.477	2.416	11.5	18.0
8 29	23 40.54	− 9 32.0	1.422	2.405	7.2	17.7
9 8	23 30.71	−10 12.3	1.391	2.394	3.1	17.4
9 18	23 20.10	−10 47.2	1.387	2.382	4.4	17.5
9 28	23 10.05	−11 10.3	1.409	2.370	8.9	17.7
10 8	23 1.74	−11 17.1	1.456	2.358	13.3	18.0
10 18	22 56.02	−11 6.1	1.524	2.345	17.1	18.2
13366 1998 US_{24}			9 13.2 267°.76		1°.5/10.1 18	
8 9	23 39.79	−10 14.0	4.468	5.327	6.3	18.6
8 19	23 36.45	−10 46.4	4.386	5.319	4.6	18.4
8 29	23 32.34	−11 20.9	4.331	5.311	2.9	18.3
9 8	23 27.73	−11 55.1	4.304	5.304	1.5	18.2
9 18	23 22.92	−12 26.7	4.308	5.296	2.2	18.2
9 28	23 18.28	−12 53.6	4.341	5.288	3.9	18.4
10 8	23 14.13	−13 13.9	4.403	5.281	5.7	18.5
10 18	23 10.75	−13 26.4	4.489	5.273	7.3	18.6
62721 2000 TM_{50}			9 13.2 260°.27		3°.9/ 8.5 18	
8 9	23 45.73	−12 12.5	2.175	3.050	11.4	19.5
8 19	23 41.69	−13 26.5	2.102	3.043	8.5	19.3
8 29	23 35.95	−14 45.0	2.055	3.035	5.5	19.1
9 8	23 29.04	−16 1.6	2.034	3.028	3.9	19.0
9 18	23 21.68	−17 9.4	2.041	3.020	5.3	19.1
9 28	23 14.69	−18 2.6	2.076	3.012	8.2	19.3
10 8	23 8.85	−18 37.6	2.136	3.004	11.2	19.4
10 18	23 4.72	−18 53.1	2.218	2.996	13.9	19.6
129879 Tishasaltzman			9 13.2 314°.48		4°.6/18.1 18	
8 9	23 43.78	+12 41.8	1.663	2.474	17.2	19.6
8 19	23 40.76	+12 10.4	1.577	2.466	14.1	19.4
8 29	23 35.63	+11 11.1	1.510	2.457	10.4	19.1
9 8	23 28.99	+ 9 45.3	1.467	2.450	6.7	18.9
9 18	23 21.71	+ 7 58.1	1.448	2.442	4.6	18.7
9 28	23 14.83	+ 5 58.8	1.457	2.434	6.7	18.9
10 8	23 9.37	+ 3 58.7	1.491	2.427	10.5	19.1
10 18	23 6.04	+ 2 8.0	1.549	2.421	14.3	19.3
404066 2012 DT_{43}			9 13.2 350°.31		2°.2/10.5 18	
8 9	23 43.82	− 6 23.4	2.106	2.976	11.9	20.8
8 19	23 40.25	− 7 32.5	2.035	2.975	8.8	20.6
8 29	23 35.04	− 8 50.4	1.989	2.973	5.4	20.4
9 8	23 28.72	−10 11.3	1.970	2.972	2.4	20.2
9 18	23 22.00	−11 28.5	1.978	2.971	3.7	20.3
9 28	23 15.66	−12 35.4	2.015	2.970	7.1	20.5
10 8	23 10.45	−13 27.3	2.077	2.970	10.4	20.7
10 18	23 6.92	−14 1.5	2.162	2.969	13.2	20.9
450459 2005 VT_{67}			9 13.2 244°.16		0°.7/12.4 17	
8 9	23 47.12	− 3 47.5	2.218	3.073	12.0	22.2
8 19	23 42.63	− 4 16.2	2.140	3.070	9.0	22.0
8 29	23 36.49	− 4 53.7	2.087	3.067	5.5	21.8
9 8	23 29.22	− 5 36.1	2.060	3.064	1.8	21.5
9 18	23 21.53	− 6 18.9	2.061	3.061	2.2	21.6
9 28	23 14.23	− 6 57.1	2.091	3.058	5.9	21.8
10 8	23 8.05	− 7 26.4	2.147	3.055	9.3	22.0
10 18	23 3.56	− 7 44.3	2.228	3.052	12.3	22.2

11570 1993 *LE* 9 13.2 61°.13 3°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.33	−10 46.2	2.003	2.881	12.1	17.2
8 19	23 41.39	−12 5.2	1.947	2.889	8.9	17.1
8 29	23 35.73	−13 29.2	1.915	2.898	5.7	16.9
9 8	23 28.95	−14 51.1	1.910	2.906	3.7	16.8
9 18	23 21.81	−16 3.7	1.933	2.915	5.1	16.9
9 28	23 15.17	−17 0.9	1.982	2.923	8.2	17.1
10 8	23 9.78	−17 39.2	2.057	2.932	11.3	17.3
10 18	23 6.18	−17 57.4	2.153	2.941	13.9	17.5

301497 2009 EB_{19} 9 13.2 273°.28 0°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.84	− 0 31.9	1.874	2.722	14.1	20.9
8 19	23 45.02	− 0 38.9	1.791	2.715	10.8	20.7
8 29	23 38.15	− 0 57.9	1.731	2.707	6.9	20.5
9 8	23 29.85	− 1 26.1	1.696	2.699	2.7	20.2
9 18	23 20.94	− 1 59.0	1.689	2.691	2.0	20.1
9 28	23 12.45	− 2 31.4	1.709	2.683	6.3	20.4
10 8	23 5.32	− 2 58.2	1.756	2.675	10.3	20.6
10 18	23 0.24	− 3 15.4	1.825	2.667	13.9	20.8

2088 Sahlia 9 13.2 266°.14 0°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.38	− 4 2.2	1.389	2.258	16.9	15.8
8 19	23 48.35	− 4 15.9	1.313	2.250	12.8	15.5
8 29	23 40.55	− 4 42.1	1.259	2.241	8.0	15.2
9 8	23 30.75	− 5 15.8	1.228	2.232	2.7	14.9
9 18	23 20.10	− 5 50.6	1.222	2.223	3.1	14.9
9 28	23 10.05	− 6 19.2	1.243	2.214	8.5	15.2
10 8	23 1.90	− 6 35.8	1.287	2.205	13.4	15.5
10 18	22 56.55	− 6 37.0	1.351	2.196	17.7	15.7

342794 2008 WA_{134} 9 13.2 233°.54 7°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.97	−23 32.3	1.965	2.839	12.5	20.8
8 19	23 46.59	−24 46.6	1.905	2.832	10.0	20.6
8 29	23 39.08	−25 55.5	1.868	2.824	8.1	20.5
9 8	23 30.15	−26 50.7	1.857	2.817	7.7	20.4
9 18	23 20.71	−27 25.5	1.871	2.809	9.0	20.5
9 28	23 11.84	−27 35.5	1.911	2.801	11.4	20.6
10 8	23 4.49	−27 20.0	1.973	2.792	14.0	20.8
10 18	22 59.33	−26 41.3	2.055	2.784	16.3	21.0

441822 2009 OC_{17} 9 13.2 2°.87 4°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.45	+12 37.1	1.997	2.794	15.2	20.5
8 19	23 40.88	+12 35.8	1.916	2.794	12.5	20.3
8 29	23 35.51	+12 13.3	1.856	2.794	9.4	20.1
9 8	23 28.92	+11 30.5	1.819	2.794	6.4	19.9
9 18	23 21.83	+10 30.4	1.808	2.795	4.8	19.8
9 28	23 15.14	+ 9 18.6	1.824	2.796	6.1	19.9
10 8	23 9.66	+ 8 2.5	1.866	2.797	9.1	20.1
10 18	23 5.99	+ 6 49.2	1.932	2.799	12.1	20.3

400140 2006 UU_{201} 9 13.2 184°.00 3°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.55	+12 9.4	2.986	3.754	11.3	21.6
8 19	23 42.60	+12 14.6	2.895	3.754	9.3	21.5
8 29	23 36.33	+12 5.8	2.826	3.754	7.0	21.3
9 8	23 29.16	+11 43.6	2.783	3.753	4.8	21.2
9 18	23 21.62	+11 9.6	2.769	3.752	3.7	21.1
9 28	23 14.34	+10 27.0	2.784	3.750	4.7	21.2
10 8	23 7.91	+ 9 39.9	2.828	3.748	6.9	21.3
10 18	23 2.79	+ 8 52.5	2.899	3.745	9.2	21.5

56882 2000 QT_{122} 9 13.2 46°.28 1°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.09	− 1 54.6	1.376	2.238	17.5	18.2
8 19	23 49.26	− 1 33.0	1.323	2.253	13.3	17.9
8 29	23 40.84	− 1 23.7	1.290	2.268	8.4	17.7
9 8	23 30.75	− 1 23.8	1.281	2.284	3.3	17.5
9 18	23 20.21	− 1 29.0	1.298	2.300	2.4	17.4
9 28	23 10.60	− 1 34.4	1.340	2.316	7.4	17.8
10 8	23 3.03	− 1 35.1	1.408	2.333	11.9	18.1
10 18	22 58.19	− 1 27.8	1.497	2.350	15.8	18.4

450109 2015 RK_{105} 9 13.2 327°.46 1°.1/14.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.52	+ 5 45.0	1.769	2.613	15.0	21.4
8 19	23 38.92	+ 4 27.3	1.682	2.601	11.7	21.1
8 29	23 34.42	+ 2 45.6	1.617	2.589	7.7	20.9
9 8	23 28.57	+ 0 44.7	1.577	2.578	3.3	20.6
9 18	23 22.15	− 1 27.0	1.565	2.567	2.0	20.5
9 28	23 16.08	− 3 38.8	1.581	2.557	6.4	20.7
10 8	23 11.27	− 5 40.0	1.624	2.548	10.7	21.0
10 18	23 8.38	− 7 22.5	1.690	2.539	14.5	21.2

209218 2003 WZ_{40} 9 13.2 329°.05 4°.9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.85	−12 44.2	1.339	2.235	15.8	19.2
8 19	23 44.37	−13 22.9	1.262	2.213	12.0	19.0
8 29	23 38.17	−14 6.6	1.206	2.191	7.8	18.7
9 8	23 29.95	−14 47.1	1.173	2.171	5.0	18.4
9 18	23 20.84	−15 15.9	1.164	2.152	6.7	18.5
9 28	23 12.25	−15 25.6	1.178	2.133	11.0	18.7
10 8	23 5.50	−15 12.3	1.215	2.116	15.4	18.9
10 18	23 1.49	−14 35.9	1.270	2.100	19.4	19.1

151328 2002 CF_{163} 9 13.2 235°.15 1°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.26	− 6 53.5	2.235	3.093	11.8	20.1
8 19	23 44.23	− 7 15.4	2.158	3.090	8.8	19.9
8 29	23 37.48	− 7 43.4	2.104	3.085	5.4	19.7
9 8	23 29.58	− 8 13.5	2.078	3.081	2.0	19.5
9 18	23 21.25	− 8 41.4	2.080	3.077	2.8	19.5
9 28	23 13.33	− 9 2.8	2.110	3.073	6.3	19.7
10 8	23 6.57	− 9 14.5	2.168	3.068	9.6	19.9
10 18	23 1.55	− 9 14.5	2.248	3.063	12.5	20.1

181700 1981 EG_2 9 13.2 251°.01 4°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.10	+11 41.3	2.288	3.076	13.8	20.8
8 19	23 42.76	+11 36.1	2.187	3.061	11.3	20.6
8 29	23 36.68	+11 12.2	2.107	3.045	8.5	20.4
9 8	23 29.35	+10 30.2	2.052	3.029	5.6	20.2
9 18	23 21.43	+ 9 32.6	2.024	3.012	4.2	20.1
9 28	23 13.75	+ 8 23.9	2.024	2.995	5.7	20.2
10 8	23 7.11	+ 7 10.9	2.052	2.978	8.7	20.3
10 18	23 2.16	+ 5 59.8	2.105	2.960	11.8	20.5

236390 2006 DA_{32} 9 13.2 227°.80 0°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.23	− 0 24.7	1.917	2.760	14.1	20.9
8 19	23 46.77	− 0 25.5	1.834	2.754	10.8	20.7
8 29	23 39.23	− 0 37.9	1.773	2.747	6.9	20.5
9 8	23 30.23	− 0 59.0	1.739	2.740	2.8	20.2
9 18	23 20.63	− 1 25.2	1.732	2.734	2.0	20.1
9 28	23 11.46	− 1 51.4	1.753	2.726	6.2	20.4
10 8	23 3.66	− 2 12.9	1.801	2.719	10.2	20.6
10 18	22 57.95	− 2 25.9	1.872	2.711	13.7	20.8

255424 2005 XD_{61} 9 13.2 17°.60 1°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.74	− 5 14.1	1.858	2.728	13.3	20.6
8 19	23 41.84	− 5 55.5	1.793	2.731	9.9	20.4
8 29	23 36.09	− 6 46.4	1.751	2.735	6.0	20.2
9 8	23 29.11	− 7 41.3	1.735	2.739	2.2	19.9
9 18	23 21.71	− 8 34.2	1.745	2.743	3.1	20.0
9 28	23 14.82	− 9 18.9	1.783	2.748	7.0	20.3
10 8	23 9.25	− 9 50.9	1.845	2.753	10.7	20.5
10 18	23 5.58	−10 7.5	1.931	2.758	13.8	20.7

401633 2013 GR_{81} 9 13.2 33°.13 4°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.70	−14 52.6	1.903	2.779	12.7	20.4
8 19	23 45.43	−15 21.9	1.847	2.786	9.6	20.2
8 29	23 38.24	−15 51.2	1.815	2.794	6.3	20.0
9 8	23 29.83	−16 14.6	1.809	2.803	4.3	19.9
9 18	23 21.09	−16 27.2	1.830	2.812	5.5	20.0
9 28	23 12.99	−16 25.3	1.878	2.821	8.5	20.2
10 8	23 6.39	−16 7.4	1.951	2.830	11.6	20.4
10 18	23 1.83	−15 34.2	2.045	2.840	14.3	20.6

356206 2009 RN_{13} 9 13.2 251°.28 2°.2/ 8.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.73	−15 13.9	4.563	5.425	6.2	21.2
8 19	23 37.86	−15 38.0	4.488	5.420	4.6	21.1
8 29	23 33.21	−16 2.0	4.440	5.415	3.1	21.0
9 8	23 28.05	−16 23.5	4.420	5.410	2.2	20.9
9 18	23 22.72	−16 40.4	4.430	5.405	2.9	21.0
9 28	23 17.57	−16 51.0	4.469	5.399	4.3	21.1
10 8	23 12.94	−16 54.0	4.536	5.394	5.9	21.2
10 18	23 9.12	−16 48.7	4.628	5.389	7.4	21.3

264056 2009 SN_{18} 9 13.2 184°.84 1°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.57	− 4 23.2	1.712	2.579	14.4	20.5
8 19	23 44.17	− 5 28.2	1.643	2.580	10.7	20.3
8 29	23 37.65	− 6 45.7	1.596	2.579	6.5	20.1
9 8	23 29.69	− 8 9.1	1.575	2.579	2.4	19.8
9 18	23 21.18	− 9 30.2	1.582	2.578	3.6	19.9
9 28	23 13.20	−10 40.9	1.615	2.577	7.9	20.2
10 8	23 6.71	−11 34.9	1.674	2.576	11.9	20.4
10 18	23 2.37	−12 9.1	1.755	2.574	15.3	20.6

442886 2013 BK_{47} 9 13.2 9°.39 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.39	− 0 55.5	1.709	2.565	14.9	20.9
8 19	23 44.76	− 0 59.4	1.639	2.566	11.3	20.7
8 29	23 38.01	− 1 15.7	1.590	2.567	7.2	20.5
9 8	23 29.81	− 1 41.0	1.565	2.568	2.8	20.2
9 18	23 21.08	− 2 10.9	1.568	2.570	2.1	20.2
9 28	23 12.89	− 2 39.6	1.597	2.572	6.6	20.5
10 8	23 6.21	− 3 2.1	1.652	2.574	10.7	20.7
10 18	23 1.70	− 3 14.6	1.729	2.577	14.3	21.0

252805 2002 GC_1 9 13.2 134°.78 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.38	+ 3 1.6	1.533	2.378	16.9	20.9
8 19	23 47.20	+ 2 50.7	1.466	2.384	13.1	20.7
8 29	23 39.61	+ 2 21.6	1.420	2.391	8.6	20.4
9 8	23 30.37	+ 1 37.8	1.397	2.397	3.9	20.2
9 18	23 20.56	+ 0 44.8	1.401	2.403	2.5	20.1
9 28	23 11.41	− 0 10.1	1.432	2.408	7.0	20.4
10 8	23 4.01	− 0 59.3	1.488	2.413	11.4	20.7
10 18	22 59.09	− 1 37.2	1.566	2.418	15.2	20.9

63293 2001 DT_{89} 9 13.2 50°.25 0°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.34	− 3 21.8	2.712	3.563	10.2	19.2
8 19	23 39.47	− 3 56.5	2.648	3.576	7.5	19.0
8 29	23 34.36	− 4 38.5	2.609	3.589	4.6	18.9
9 8	23 28.47	− 5 24.3	2.598	3.602	1.5	18.7
9 18	23 22.34	− 6 10.0	2.615	3.615	1.8	18.7
9 28	23 16.56	− 6 51.6	2.662	3.629	4.8	18.9
10 8	23 11.67	− 7 25.7	2.736	3.642	7.6	19.1
10 18	23 8.08	− 7 50.0	2.834	3.656	10.1	19.3

255558 2006 KS_{20} 9 13.2 51°.86 5°.5/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.43	−12 26.5	1.126	2.024	18.0	20.1
8 19	23 47.64	−13 30.6	1.089	2.040	13.3	19.9
8 29	23 39.95	−14 38.7	1.072	2.056	8.6	19.7
9 8	23 30.46	−15 39.6	1.077	2.074	5.6	19.6
9 18	23 20.59	−16 23.5	1.105	2.091	7.4	19.8
9 28	23 11.88	−16 43.6	1.157	2.109	11.6	20.0
10 8	23 5.52	−16 37.9	1.231	2.127	15.7	20.3
10 18	23 2.14	−16 8.5	1.323	2.145	19.2	20.6

195252 2002 EK_{48} 9 13.2 228°.10 0°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.48	+ 0 50.8	2.000	2.843	13.6	22.1
8 19	23 43.92	+ 0 15.9	1.914	2.834	10.4	21.8
8 29	23 37.44	− 0 33.4	1.851	2.825	6.6	21.6
9 8	23 29.63	− 1 33.4	1.814	2.816	2.5	21.3
9 18	23 21.25	− 2 38.6	1.804	2.806	1.9	21.3
9 28	23 13.23	− 3 42.6	1.824	2.796	6.1	21.5
10 8	23 6.45	− 4 39.1	1.870	2.786	10.0	21.7
10 18	23 1.57	− 5 23.4	1.939	2.775	13.4	21.9

438517 2007 RM_{245} 9 13.2 10°.30 2°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.08	− 5 36.6	1.218	2.114	17.0	20.1
8 19	23 41.38	− 6 24.2	1.166	2.117	12.7	19.8
8 29	23 36.14	− 7 24.9	1.133	2.121	7.7	19.6
9 8	23 29.20	− 8 30.6	1.122	2.127	3.0	19.3
9 18	23 21.71	− 9 31.9	1.136	2.134	4.3	19.4
9 28	23 14.98	−10 19.9	1.173	2.142	9.2	19.7
10 8	23 10.14	−10 48.5	1.232	2.151	13.8	20.0
10 18	23 7.85	−10 55.3	1.311	2.162	17.7	20.3

256639 2007 VR_{312} 9 13.2 315°.04 4°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.32	+ 7 45.1	1.267	2.114	19.6	20.4
8 19	23 44.87	+ 8 6.9	1.188	2.101	15.9	20.1
8 29	23 38.59	+ 8 4.4	1.126	2.088	11.5	19.9
9 8	23 30.17	+ 7 37.4	1.086	2.077	7.0	19.6
9 18	23 20.74	+ 6 49.2	1.068	2.065	5.0	19.4
9 28	23 11.77	+ 5 47.3	1.075	2.054	8.2	19.6
10 8	23 4.70	+ 4 42.1	1.104	2.044	13.0	19.8
10 18	23 0.50	+ 3 43.4	1.154	2.034	17.6	20.1

4052 Crovisier 9 13.2 283°.96 3°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.01	+ 7 44.4	2.198	3.008	13.6	16.9
8 19	23 43.43	+ 7 57.3	2.110	3.001	10.9	16.7
8 29	23 37.09	+ 7 55.0	2.043	2.995	7.9	16.5
9 8	23 29.52	+ 7 38.3	2.002	2.988	4.8	16.3
9 18	23 21.41	+ 7 9.4	1.988	2.981	3.5	16.2
9 28	23 13.63	+ 6 32.4	2.001	2.975	5.6	16.3
10 8	23 6.97	+ 5 52.5	2.042	2.968	8.7	16.5
10 18	23 2.05	+ 5 14.9	2.108	2.962	11.8	16.7

324289 2006 DE_{15} 9 13.2 277°.49 1°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.95	− 6 14.5	2.298	3.160	11.4	21.2
8 19	23 41.75	− 6 54.5	2.220	3.154	8.4	21.0
8 29	23 35.96	− 7 41.7	2.166	3.148	5.2	20.8
9 8	23 29.10	− 8 31.9	2.139	3.143	2.0	20.6
9 18	23 21.82	− 9 20.1	2.140	3.137	2.9	20.6
9 28	23 14.90	−10 1.3	2.170	3.131	6.2	20.8
10 8	23 9.03	−10 31.5	2.226	3.125	9.5	21.0
10 18	23 4.77	−10 48.5	2.306	3.119	12.3	21.2

334410 2002 DC_{17} 9 13.2 120°.26 6°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.52	−19 36.8	1.841	2.721	12.9	20.4
8 19	23 45.46	−21 5.8	1.795	2.731	10.0	20.2
8 29	23 38.35	−22 31.8	1.773	2.740	7.6	20.1
9 8	23 29.92	−23 46.1	1.777	2.750	6.8	20.1
9 18	23 21.12	−24 41.0	1.807	2.759	8.3	20.2
9 28	23 12.98	−25 11.8	1.863	2.767	10.9	20.3
10 8	23 6.41	−25 17.3	1.941	2.776	13.6	20.5
10 18	23 1.98	−24 59.3	2.040	2.784	16.0	20.7

13504 1988 RV_{12} 9 13.2 233°.40 1°.2/15.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.39	+ 4 31.7	3.661	4.472	8.6	18.6
8 19	23 37.84	+ 3 57.1	3.564	4.463	6.7	18.4
8 29	23 33.32	+ 3 12.9	3.492	4.454	4.5	18.3
9 8	23 28.15	+ 2 21.0	3.448	4.445	2.2	18.1
9 18	23 22.72	+ 1 24.0	3.434	4.435	1.3	18.0
9 28	23 17.46	+ 0 25.5	3.451	4.425	3.4	18.2
10 8	23 12.80	− 0 31.2	3.497	4.415	5.7	18.3
10 18	23 9.10	− 1 22.9	3.570	4.405	7.9	18.4

433291 2013 CB_{53} 9 13.2 301°.55 1°.2/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.57	− 7 56.7	4.193	5.049	6.8	21.3
8 19	23 36.37	− 8 32.2	4.110	5.042	5.0	21.2
8 29	23 32.35	− 9 10.9	4.054	5.035	3.0	21.1
9 8	23 27.80	− 9 50.4	4.026	5.028	1.3	20.9
9 18	23 23.05	−10 28.1	4.029	5.022	2.0	21.0
9 28	23 18.46	−11 1.6	4.061	5.015	3.9	21.1
10 8	23 14.40	−11 28.8	4.121	5.008	5.8	21.2
10 18	23 11.14	−11 48.3	4.207	5.002	7.5	21.4

386826 2010 GL_{126} 9 13.2 160°.21 0°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.97	− 3 33.9	2.223	3.072	12.2	22.2
8 19	23 44.72	− 4 5.8	2.151	3.078	9.1	22.0
8 29	23 37.78	− 4 46.6	2.104	3.083	5.6	21.8
9 8	23 29.73	− 5 32.3	2.083	3.087	1.9	21.6
9 18	23 21.29	− 6 17.9	2.092	3.092	2.2	21.6
9 28	23 13.30	− 6 58.7	2.129	3.095	5.9	21.9
10 8	23 6.50	− 7 30.3	2.193	3.098	9.3	22.1
10 18	23 1.45	− 7 50.3	2.282	3.101	12.2	22.3

211047 2002 CX_{43} 9 13.2 82°.41 3°.6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.61	− 7 46.9	1.323	2.207	16.7	20.4
8 19	23 46.71	− 9 4.8	1.280	2.226	12.3	20.2
8 29	23 39.28	−10 32.2	1.259	2.244	7.5	20.0
9 8	23 30.26	−11 59.1	1.261	2.263	3.8	19.8
9 18	23 20.86	−13 15.2	1.290	2.281	5.5	20.0
9 28	23 12.40	−14 12.2	1.343	2.299	9.8	20.3
10 8	23 5.95	−14 45.4	1.420	2.317	13.9	20.6
10 18	23 2.15	−14 54.6	1.516	2.334	17.4	20.9

115709 2003 UR_{169} 9 13.2 228°.99 5°.7/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.30	−19 29.1	2.177	3.046	11.6	20.6
8 19	23 46.66	−20 26.4	2.106	3.036	9.0	20.4
8 29	23 39.09	−21 21.7	2.059	3.026	6.7	20.3
9 8	23 30.21	−22 8.2	2.039	3.015	5.7	20.2
9 18	23 20.83	−22 39.9	2.046	3.004	7.0	20.3
9 28	23 11.91	−22 52.6	2.080	2.992	9.6	20.4
10 8	23 4.33	−22 44.8	2.139	2.980	12.3	20.6
10 18	22 58.70	−22 17.4	2.219	2.967	14.7	20.7

108313 2001 JB_5 9 13.2 36°.14 2°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.96	+ 7 30.3	1.528	2.369	17.1	18.3
8 19	23 40.84	+ 6 42.5	1.467	2.381	13.4	18.1
8 29	23 35.62	+ 5 30.5	1.427	2.393	9.1	17.9
9 8	23 29.01	+ 3 58.9	1.410	2.406	4.7	17.7
9 18	23 21.96	+ 2 15.6	1.418	2.419	2.7	17.6
9 28	23 15.53	+ 0 30.6	1.454	2.433	6.4	17.8
10 8	23 10.64	− 1 6.0	1.514	2.448	10.7	18.1
10 18	23 7.91	− 2 26.8	1.598	2.462	14.4	18.4

24316 Anncooper 9 13.2 342°.33 0°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.46	− 3 30.5	1.570	2.440	15.3	18.8
8 19	23 44.30	− 3 51.3	1.499	2.435	11.5	18.5
8 29	23 37.85	− 4 24.1	1.449	2.431	7.1	18.3
9 8	23 29.83	− 5 4.1	1.423	2.427	2.4	18.0
9 18	23 21.19	− 5 45.3	1.423	2.424	2.7	18.0
9 28	23 13.10	− 6 20.9	1.450	2.421	7.5	18.3
10 8	23 6.60	− 6 45.4	1.500	2.419	11.8	18.5
10 18	23 2.41	− 6 55.5	1.573	2.417	15.6	18.8

136012 2002 VG_{64} 9 13.2 30°.33 0°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.15	− 4 54.1	1.343	2.221	16.9	18.3
8 19	23 46.32	− 4 54.2	1.296	2.237	12.6	18.1
8 29	23 39.02	− 5 4.6	1.270	2.254	7.8	17.8
9 8	23 30.17	− 5 20.3	1.267	2.272	2.6	17.6
9 18	23 20.96	− 5 35.9	1.290	2.291	2.9	17.7
9 28	23 12.66	− 5 45.7	1.337	2.311	7.8	18.0
10 8	23 6.32	− 5 45.7	1.409	2.331	12.2	18.3
10 18	23 2.56	− 5 33.7	1.502	2.352	15.9	18.6

186936 2004 PA_{106} 9 13.2 25°.44 4°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.39	−14 57.9	1.864	2.740	13.0	19.4
8 19	23 46.03	−15 23.7	1.806	2.745	9.7	19.2
8 29	23 38.67	−15 49.3	1.772	2.751	6.5	19.0
9 8	23 30.04	−16 9.0	1.763	2.757	4.3	18.9
9 18	23 21.05	−16 17.7	1.781	2.763	5.5	19.0
9 28	23 12.72	−16 11.8	1.827	2.770	8.6	19.2
10 8	23 5.91	−15 49.9	1.896	2.777	11.8	19.4
10 18	23 1.20	−15 12.8	1.988	2.785	14.6	19.6

282245 2002 GJ_6 9 13.2 94°.49 0°.1/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.94	+ 1 3.2	1.870	2.717	14.2	20.8
8 19	23 43.37	− 0 3.0	1.814	2.737	10.7	20.7
8 29	23 36.98	− 1 24.1	1.781	2.758	6.6	20.5
9 8	23 29.45	− 2 54.4	1.774	2.778	2.3	20.2
9 18	23 21.60	− 4 26.3	1.796	2.797	2.1	20.2
9 28	23 14.35	− 5 52.1	1.846	2.816	6.3	20.6
10 8	23 8.48	− 7 5.3	1.923	2.835	10.0	20.8
10 18	23 4.53	− 8 1.7	2.023	2.854	13.2	21.1

263436 2008 DB_{74} 9 13.2 216°.89 1°.0/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.48	+ 1 9.7	1.714	2.559	15.4	21.4
8 19	23 46.46	+ 0 51.1	1.633	2.554	11.8	21.1
8 29	23 39.18	+ 0 16.9	1.574	2.548	7.7	20.9
9 8	23 30.30	− 0 29.4	1.540	2.542	3.1	20.6
9 18	23 20.75	− 1 22.5	1.533	2.535	2.2	20.5
9 28	23 11.67	− 2 15.6	1.554	2.528	6.7	20.8
10 8	23 4.10	− 3 1.9	1.600	2.521	11.1	21.0
10 18	22 58.79	− 3 36.4	1.669	2.513	14.9	21.2

200478 2000 YU_{11} 9 13.2 327°.06 9°.7/22.0 18

8 9	23 44.17	+19 59.0	1.486	2.265	20.4	18.9
8 19	23 41.55	+20 42.2	1.398	2.249	17.8	18.7
8 29	23 36.44	+20 55.1	1.326	2.234	14.8	18.5
9 8	23 29.45	+20 33.8	1.273	2.219	11.8	18.3
9 18	23 21.51	+19 37.6	1.242	2.205	9.9	18.1
9 28	23 13.92	+18 11.3	1.233	2.192	10.1	18.1
10 8	23 7.93	+16 25.1	1.248	2.180	12.5	18.2
10 18	23 4.47	+14 31.7	1.284	2.169	15.8	18.4

49094 1998 RQ_{72} 9 13.2 335°.04 1°.6/12.1 18

8 9	23 46.76	− 5 20.1	1.138	2.032	18.0	19.0
8 19	23 43.87	− 5 38.6	1.066	2.016	13.7	18.6
8 29	23 38.03	− 6 10.9	1.014	2.002	8.5	18.3
9 8	23 30.01	− 6 50.7	0.983	1.988	3.0	18.0
9 18	23 21.03	− 7 29.9	0.975	1.976	3.9	18.0
9 28	23 12.64	− 7 59.6	0.990	1.964	9.7	18.3
10 8	23 6.31	− 8 12.9	1.026	1.954	15.0	18.5
10 18	23 2.97	− 8 6.4	1.081	1.946	19.7	18.8

67147 2000 AF_{176} 9 13.2 287°.59 2°.5/10.1 18

8 9	23 44.72	− 8 8.4	2.205	3.075	11.5	19.3
8 19	23 40.94	− 9 13.0	2.128	3.067	8.5	19.1
8 29	23 35.53	−10 25.1	2.075	3.059	5.2	18.8
9 8	23 28.99	−11 38.9	2.050	3.051	2.7	18.7
9 18	23 22.01	−12 48.1	2.053	3.042	4.0	18.7
9 28	23 15.37	−13 46.8	2.083	3.034	7.2	18.9
10 8	23 9.82	−14 30.6	2.140	3.026	10.4	19.1
10 18	23 5.90	−14 57.1	2.219	3.018	13.2	19.3

452452 2003 SU_{331} 9 13.2 275°.66 2°.1/10.9 17

8 9	23 48.46	− 9 6.8	2.449	3.310	10.8	21.6
8 19	23 43.63	− 9 33.4	2.359	3.292	8.1	21.4
8 29	23 37.17	−10 4.5	2.293	3.274	5.0	21.2
9 8	23 29.57	−10 36.3	2.254	3.255	2.3	21.0
9 18	23 21.48	−11 4.5	2.244	3.237	3.3	21.0
9 28	23 13.68	−11 24.9	2.262	3.218	6.4	21.2
10 8	23 6.88	−11 34.5	2.308	3.199	9.5	21.4
10 18	23 1.68	−11 31.7	2.377	3.180	12.3	21.5

35686 1999 BW_{18} 9 13.2 356°.16 0°.3/13.1 18

8 9	23 51.96	− 4 57.0	0.970	1.866	20.3	17.8
8 19	23 48.06	− 4 33.9	0.912	1.861	15.5	17.5
8 29	23 40.74	− 4 22.6	0.871	1.858	9.7	17.2
9 8	23 30.96	− 4 18.8	0.851	1.856	3.4	16.8
9 18	23 20.24	− 4 17.0	0.852	1.855	3.3	16.8
9 28	23 10.48	− 4 10.7	0.876	1.855	9.7	17.2
10 8	23 3.27	− 3 54.8	0.921	1.857	15.4	17.5
10 18	22 59.53	− 3 26.4	0.983	1.859	20.2	17.8

38339 1999 RH_{137} 9 13.2 37°.34 1°.1/12.0 18

8 9	23 43.85	+ 0 3.9	1.459	2.330	16.2	17.9
8 19	23 40.87	− 1 32.4	1.401	2.339	12.0	17.7
8 29	23 35.70	− 3 28.6	1.364	2.348	7.3	17.5
9 8	23 29.08	− 5 35.8	1.353	2.357	2.4	17.2
9 18	23 21.99	− 7 42.5	1.368	2.367	3.3	17.3
9 28	23 15.52	− 9 37.1	1.410	2.378	8.1	17.6
10 8	23 10.63	−11 10.6	1.476	2.388	12.5	17.9
10 18	23 7.98	−12 18.2	1.564	2.399	16.1	18.1

22171 Choi 9 13.2 252°.68 3°.4/ 9.7 18 R

8 9	23 47.71	− 9 1.4	1.812	2.688	13.3	18.8
8 19	23 43.53	−10 13.3	1.738	2.679	9.9	18.6
8 29	23 37.31	−11 33.8	1.687	2.671	6.2	18.3
9 8	23 29.66	−12 55.5	1.663	2.662	3.5	18.2
9 18	23 21.43	−14 10.3	1.666	2.654	5.0	18.2
9 28	23 13.63	−15 10.8	1.695	2.645	8.7	18.5
10 8	23 7.22	−15 52.0	1.750	2.636	12.4	18.7
10 18	23 2.87	−16 11.9	1.826	2.626	15.6	18.9

164212 2004 JB_{48} 9 13.2 311°.97 0°.9/14.9 18

8 9	23 39.42	+ 2 38.9	4.306	5.125	7.3	20.0
8 19	23 36.24	+ 2 18.7	4.218	5.122	5.6	19.8
8 29	23 32.28	+ 1 51.7	4.154	5.119	3.7	19.7
9 8	23 27.81	+ 1 19.4	4.118	5.116	1.7	19.5
9 18	23 23.15	+ 0 43.7	4.112	5.113	1.1	19.5
9 28	23 18.64	+ 0 7.0	4.136	5.110	2.9	19.6
10 8	23 14.64	− 0 28.1	4.189	5.108	4.9	19.8
10 18	23 11.41	− 0 59.6	4.270	5.105	6.7	19.9

435062 2006 XK_{70} 9 13.2 181°.23 2°.3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.03	+ 4 43.4	1.993	2.815	14.4	22.2
8 19	23 46.55	+ 4 38.1	1.913	2.816	11.3	22.0
8 29	23 39.09	+ 4 17.2	1.854	2.817	7.7	21.7
9 8	23 30.26	+ 3 43.0	1.821	2.817	4.0	21.5
9 18	23 20.89	+ 2 59.1	1.816	2.816	2.6	21.4
9 28	23 11.96	+ 2 10.9	1.840	2.815	5.8	21.6
10 8	23 4.38	+ 1 24.5	1.891	2.813	9.6	21.9
10 18	22 58.79	+ 0 44.8	1.966	2.811	12.9	22.1

389856 2012 RL_{28} 9 13.2 323°.57 7°.0/ 7.3 18

8 9	23 48.45	−17 8.0	1.422	2.317	15.1	20.6
8 19	23 44.65	−18 21.5	1.357	2.304	11.6	20.4
8 29	23 38.26	−19 36.3	1.314	2.292	8.4	20.2
9 8	23 30.04	−20 42.0	1.294	2.279	7.0	20.1
9 18	23 21.09	−21 28.9	1.298	2.268	8.8	20.1
9 28	23 12.75	−21 49.8	1.326	2.257	12.3	20.3
10 8	23 6.25	−21 42.3	1.375	2.246	16.0	20.5
10 18	23 2.36	−21 7.7	1.443	2.237	19.3	20.7

370067 2001 FZ_{147} 9 13.2 106°.30 2°.1/12.0 18

8 9	0 5.72	−10 13.9	1.636	2.487	15.7	20.5
8 19	23 56.83	− 9 57.1	1.578	2.505	11.8	20.3
8 29	23 45.40	− 9 42.6	1.544	2.522	7.3	20.1
9 8	23 32.38	− 9 26.0	1.536	2.539	2.9	19.9
9 18	23 19.05	− 9 4.0	1.558	2.555	3.6	19.9
9 28	23 6.76	− 8 34.1	1.610	2.571	7.9	20.2
10 8	22 56.63	− 7 55.3	1.688	2.586	12.0	20.5
10 18	22 49.30	− 7 8.1	1.789	2.601	15.4	20.8

472386 2015 BZ_{101} 9 13.2 153°.11 3°.3/10.0 17

8 9	23 49.53	− 8 8.7	1.632	2.508	14.5	21.1
8 19	23 44.97	− 9 24.8	1.570	2.512	10.7	20.9
8 29	23 38.21	−10 50.1	1.532	2.516	6.6	20.6
9 8	23 29.96	−12 16.6	1.518	2.519	3.5	20.4
9 18	23 21.19	−13 35.2	1.532	2.522	5.1	20.6
9 28	23 13.03	−14 37.9	1.572	2.524	9.0	20.8
10 8	23 6.47	−15 19.7	1.637	2.527	12.8	21.0
10 18	23 2.18	−15 39.1	1.723	2.529	16.1	21.3

342095 2008 ST_{57} 9 13.2 65°.15 7°.0/ 8.5 16

8 9	23 58.10	−20 40.9	1.533	2.410	15.2	20.0
8 19	23 51.25	−21 18.6	1.494	2.428	11.8	19.8
8 29	23 41.94	−21 49.9	1.477	2.446	8.6	19.7
9 8	23 31.17	−22 6.7	1.484	2.464	7.0	19.6
9 18	23 20.19	−22 3.2	1.518	2.483	8.3	19.8
9 28	23 10.31	−21 37.1	1.576	2.501	11.2	20.0
10 8	23 2.54	−20 49.5	1.658	2.519	14.2	20.2
10 18	22 57.46	−19 44.1	1.761	2.538	17.0	20.5

366110 2012 DE_{23} 9 13.2 246°.01 0°.3/13.7 18

8 9	23 44.11	+ 1 42.7	2.439	3.276	11.6	20.7
8 19	23 40.36	+ 0 45.0	2.350	3.267	8.8	20.5
8 29	23 35.13	− 0 26.5	2.285	3.258	5.6	20.3
9 8	23 28.87	− 1 47.8	2.247	3.249	2.1	20.1
9 18	23 22.19	− 3 13.7	2.238	3.240	1.6	20.0
9 28	23 15.79	− 4 38.0	2.259	3.231	5.2	20.2
10 8	23 10.34	− 5 54.7	2.308	3.221	8.5	20.4
10 18	23 6.35	− 6 59.3	2.382	3.211	11.5	20.6

345496 2006 JO_{16} 9 13.2 159°.44 2°.8/10.1 18

8 9	23 50.46	−10 11.7	2.344	3.205	11.2	21.8
8 19	23 45.01	−11 3.5	2.279	3.212	8.3	21.6
8 29	23 37.95	−11 59.4	2.239	3.219	5.2	21.4
9 8	23 29.82	−12 54.2	2.227	3.225	2.9	21.3
9 18	23 21.36	−13 42.6	2.244	3.231	4.0	21.4
9 28	23 13.35	−14 20.0	2.290	3.236	6.9	21.6
10 8	23 6.52	−14 43.3	2.362	3.240	9.9	21.8
10 18	23 1.38	−14 51.6	2.458	3.244	12.5	21.9

433353 2013 RZ_{84} 9 13.2 336°.58 2°.2/14.5 18

8 9	23 50.17	+ 0 22.4	1.163	2.038	19.2	20.6
8 19	23 46.43	+ 0 50.7	1.091	2.026	15.0	20.4
8 29	23 39.65	+ 1 2.7	1.037	2.015	9.9	20.0
9 8	23 30.62	+ 1 0.2	1.004	2.005	4.5	19.7
9 18	23 20.57	+ 0 47.2	0.994	1.996	3.1	19.6
9 28	23 11.13	+ 0 30.0	1.008	1.988	8.4	19.9
10 8	23 3.78	+ 0 16.1	1.044	1.981	13.8	20.2
10 18	22 59.52	+ 0 11.0	1.099	1.975	18.5	20.4

496169 2011 AU_{39} 9 13.2 89°.22 17°.7/25.9 17

8 9	23 52.96	−34 31.5	1.024	1.916	19.8	20.7
8 19	23 49.14	−38 16.5	1.014	1.926	18.0	20.6
8 29	23 41.45	−41 30.6	1.024	1.936	17.7	20.6
9 8	23 31.18	−43 54.1	1.054	1.946	18.8	20.7
9 18	23 20.20	−45 16.0	1.102	1.956	20.8	20.9
9 28	23 10.68	−45 35.7	1.165	1.966	23.0	21.1
10 8	23 4.21	−45 1.2	1.240	1.975	25.0	21.3
10 18	23 1.53	−43 43.9	1.326	1.985	26.6	21.5

97586 2000 EQ_{26} 9 13.2 252°.90 5°.1/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 9.02	−15 27.6	1.161	2.035	19.3	19.0
8 19	0 0.82	−15 14.8	1.090	2.026	14.9	18.7
8 29	23 48.71	−14 58.2	1.039	2.018	9.8	18.4
9 8	23 33.77	−14 29.9	1.011	2.010	5.5	18.2
9 18	23 17.75	−13 44.1	1.009	2.001	6.7	18.2
9 28	23 2.83	−12 38.2	1.033	1.992	11.7	18.5
10 8	22 50.84	−11 14.5	1.081	1.982	16.9	18.8
10 18	22 42.82	− 9 37.5	1.148	1.973	21.4	19.0

435832 2008 WP_{75} 9 13.2 359°.14 1°.6/14.5 16

8 9	23 43.49	+ 2 34.8	1.238	2.112	18.3	20.7
8 19	23 41.04	+ 2 13.4	1.173	2.108	14.1	20.5
8 29	23 36.06	+ 1 30.0	1.127	2.106	9.3	20.2
9 8	23 29.29	+ 0 28.7	1.103	2.105	4.0	19.9
9 18	23 21.83	− 0 42.7	1.103	2.105	2.5	19.8
9 28	23 15.01	− 1 54.2	1.126	2.107	7.7	20.1
10 8	23 10.00	− 2 56.1	1.172	2.109	12.7	20.4
10 18	23 7.57	− 3 41.7	1.239	2.113	17.0	20.7

203210 2001 DR_{100} 9 13.2 249°.25 1°.0/11.3 18

8 9	23 41.01	− 8 5.1	4.510	5.362	6.4	20.0
8 19	23 37.37	− 8 24.5	4.430	5.360	4.7	19.9
8 29	23 32.96	− 8 46.2	4.377	5.357	2.9	19.7
9 8	23 28.07	− 9 8.5	4.353	5.355	1.2	19.6
9 18	23 22.99	− 9 29.4	4.358	5.353	1.7	19.7
9 28	23 18.09	− 9 46.7	4.394	5.350	3.5	19.8
10 8	23 13.69	− 9 59.0	4.458	5.348	5.3	19.9
10 18	23 10.07	−10 4.9	4.548	5.346	6.9	20.0

484951 2009 ST_{293} 9 13.2 304°.09 3°.5/17.4 18

8 9	23 44.71	+ 9 43.5	2.239	3.044	13.6	21.7
8 19	23 40.97	+ 9 34.3	2.149	3.036	11.0	21.5
8 29	23 35.59	+ 9 7.5	2.081	3.029	8.0	21.3
9 8	23 29.06	+ 8 24.2	2.037	3.021	5.0	21.1
9 18	23 22.05	+ 7 27.7	2.021	3.014	3.5	21.0
9 28	23 15.34	+ 6 22.8	2.032	3.007	5.4	21.1
10 8	23 9.68	+ 5 16.0	2.070	3.000	8.4	21.2
10 18	23 5.66	+ 4 13.0	2.134	2.993	11.5	21.4

286701 2002 GP_{15} 9 13.2 90°.53 4°.0/ 9.4 18

8 9	23 52.83	−15 52.6	2.224	3.090	11.6	20.1
8 19	23 46.80	−16 17.6	2.166	3.099	8.7	19.9
8 29	23 39.04	−16 41.6	2.133	3.108	5.8	19.8
9 8	23 30.20	−16 59.5	2.127	3.118	4.1	19.7
9 18	23 21.07	−17 7.1	2.149	3.127	5.1	19.8
9 28	23 12.54	−17 1.5	2.199	3.136	7.8	19.9
10 8	23 5.36	−16 41.6	2.275	3.145	10.6	20.1
10 18	23 0.04	−16 7.9	2.375	3.154	13.0	20.3

257371 Miguelbello 9 13.2 71°.12 3°.8/17.4 18

8 9	23 47.32	+ 9 38.2	2.188	2.990	13.9	20.3
8 19	23 42.85	+ 9 44.5	2.113	2.997	11.2	20.1
8 29	23 36.70	+ 9 33.9	2.059	3.004	8.2	19.9
9 8	23 29.43	+ 9 7.5	2.030	3.012	5.3	19.8
9 18	23 21.75	+ 8 28.0	2.028	3.019	3.8	19.7
9 28	23 14.47	+ 7 39.9	2.054	3.026	5.5	19.8
10 8	23 8.35	+ 6 48.9	2.106	3.034	8.4	20.0
10 18	23 3.95	+ 6 0.6	2.184	3.041	11.3	20.2

465658 2009 RX_{62} 9 13.2 303°.86 4°.5/ 5.3 16

8 9	23 47.53	−27 21.3	4.137	4.985	7.0	20.3
8 19	23 42.26	−27 44.2	4.070	4.977	5.7	20.2
8 29	23 36.00	−28 1.7	4.030	4.968	4.8	20.1
9 8	23 29.12	−28 10.8	4.017	4.960	4.6	20.1
9 18	23 22.05	−28 9.3	4.033	4.952	5.2	20.1
9 28	23 15.27	−27 55.7	4.077	4.943	6.4	20.2
10 8	23 9.22	−27 29.7	4.147	4.935	7.8	20.3
10 18	23 4.23	−26 52.0	4.240	4.927	9.1	20.4

254299 Shambleau 9 13.2 41°.76 0°.3/13.5 18

8 9	23 46.93	− 0 41.8	1.896	2.750	13.7	20.9
8 19	23 42.70	− 1 4.7	1.833	2.760	10.4	20.7
8 29	23 36.65	− 1 39.8	1.793	2.770	6.5	20.5
9 8	23 29.42	− 2 22.9	1.778	2.781	2.4	20.2
9 18	23 21.81	− 3 9.1	1.790	2.792	1.9	20.2
9 28	23 14.73	− 3 52.7	1.830	2.804	6.0	20.5
10 8	23 8.97	− 4 28.5	1.896	2.815	9.7	20.8
10 18	23 5.10	− 4 53.1	1.985	2.827	12.9	21.0

111838 2002 EX_{20} 9 13.2 328°.70 4°.0/10.9 18

8 9	23 48.60	− 9 52.4	1.022	1.927	18.7	18.4
8 19	23 45.67	−10 17.8	0.952	1.907	14.2	18.1
8 29	23 39.40	−10 52.3	0.900	1.888	9.0	17.8
9 8	23 30.60	−11 27.5	0.868	1.871	4.4	17.4
9 18	23 20.63	−11 53.7	0.858	1.854	6.1	17.5
9 28	23 11.31	−12 1.7	0.870	1.839	11.7	17.7
10 8	23 4.30	−11 46.5	0.902	1.825	17.2	18.0
10 18	23 0.69	−11 7.3	0.951	1.812	22.0	18.2

107464 2001 DJ_{28} 9 13.2 200°.48 2°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.01	− 7 40.9	1.846	2.713	13.5	21.2
8 19	23 45.96	− 8 47.8	1.773	2.709	10.0	21.0
8 29	23 38.82	−10 3.8	1.723	2.705	6.2	20.7
9 8	23 30.22	−11 22.0	1.699	2.700	3.0	20.5
9 18	23 21.05	−12 34.7	1.704	2.695	4.4	20.6
9 28	23 12.36	−13 34.7	1.736	2.689	8.2	20.8
10 8	23 5.10	−14 16.8	1.794	2.682	12.0	21.0
10 18	22 59.95	−14 39.0	1.873	2.674	15.2	21.2

254937 2005 SX_{152} 9 13.2 93°.17 2°.4/16.2 18

8 9	23 45.10	+ 7 22.6	2.170	2.988	13.5	20.7
8 19	23 41.20	+ 6 50.3	2.094	2.993	10.6	20.6
8 29	23 35.69	+ 6 0.6	2.040	2.998	7.4	20.4
9 8	23 29.09	+ 4 56.3	2.011	3.004	4.0	20.2
9 18	23 22.10	+ 3 41.9	2.010	3.009	2.5	20.1
9 28	23 15.51	+ 2 23.7	2.038	3.014	5.2	20.3
10 8	23 10.03	+ 1 8.3	2.093	3.020	8.5	20.5
10 18	23 6.22	+ 0 1.3	2.173	3.025	11.6	20.7

170499 2003 WY_5 9 13.2 205°.83 6°.4/ 5.9 18

8 9	23 51.15	−21 46.8	2.238	3.108	11.3	20.4
8 19	23 45.77	−22 57.1	2.176	3.104	8.9	20.3
8 29	23 38.54	−24 3.8	2.139	3.099	7.0	20.1
9 8	23 30.09	−24 59.7	2.129	3.094	6.4	20.1
9 18	23 21.20	−25 38.9	2.145	3.089	7.7	20.2
9 28	23 12.80	−25 57.4	2.188	3.083	10.0	20.3
10 8	23 5.70	−25 53.8	2.255	3.076	12.4	20.4
10 18	23 0.49	−25 29.6	2.342	3.069	14.6	20.6

162389 2000 CE_4 9 13.2 280°.18 1°.1/14.3 18

8 9	23 48.70	+ 1 41.7	1.950	2.791	13.9	20.9
8 19	23 44.35	+ 1 22.2	1.847	2.765	10.8	20.6
8 29	23 37.94	+ 0 47.7	1.767	2.739	7.1	20.3
9 8	23 29.98	+ 0 0.7	1.711	2.712	3.0	20.0
9 18	23 21.23	− 0 54.2	1.683	2.685	2.0	19.9
9 28	23 12.68	− 1 50.9	1.683	2.658	6.3	20.1
10 8	23 5.33	− 2 42.9	1.710	2.631	10.5	20.3
10 18	22 59.94	− 3 24.7	1.760	2.603	14.2	20.5

124079 2001 GQ_3 9 13.2 191°.88 2°.0/10.1 18

8 9	23 44.43	− 5 58.9	2.685	3.542	10.1	19.9
8 19	23 40.46	− 7 30.5	2.608	3.541	7.4	19.8
8 29	23 35.13	− 9 10.6	2.557	3.539	4.5	19.6
9 8	23 28.89	−10 53.4	2.536	3.538	2.1	19.4
9 18	23 22.30	−12 32.8	2.546	3.536	3.3	19.5
9 28	23 15.98	−14 2.8	2.586	3.533	6.2	19.7
10 8	23 10.55	−15 18.5	2.653	3.530	9.0	19.9
10 18	23 6.46	−16 17.5	2.745	3.527	11.4	20.0

447758 2007 JZ_{14} 9 13.2 224°.89 4°.6/ 7.8 18

8 9	23 49.26	−18 10.2	2.507	3.375	10.3	20.7
8 19	23 44.13	−18 56.0	2.438	3.370	7.9	20.5
8 29	23 37.43	−19 40.4	2.395	3.365	5.7	20.4
9 8	23 29.69	−20 18.1	2.379	3.360	4.6	20.3
9 18	23 21.59	−20 44.4	2.391	3.355	5.7	20.4
9 28	23 13.89	−20 55.7	2.431	3.349	8.0	20.5
10 8	23 7.29	−20 50.7	2.496	3.344	10.5	20.7
10 18	23 2.32	−20 29.6	2.583	3.338	12.7	20.8

188571 2004 UD_7 9 13.2 57°.46 5°.7/20.4 18

8 9	23 45.08	+16 53.6	2.100	2.867	15.5	19.3
8 19	23 41.26	+16 47.3	2.029	2.881	13.0	19.2
8 29	23 35.74	+16 17.8	1.978	2.895	10.1	19.0
9 8	23 29.12	+15 26.0	1.949	2.909	7.4	18.9
9 18	23 22.11	+14 14.8	1.947	2.923	5.7	18.8
9 28	23 15.57	+12 50.1	1.972	2.938	6.4	18.9
10 8	23 10.24	+11 19.7	2.024	2.952	8.7	19.1
10 18	23 6.65	+ 9 51.0	2.101	2.967	11.3	19.3

390743 2003 SD_{129} 9 13.2 4°.88 6°.9/14.9 18

8 9	0 12.82	+ 2 58.5	1.329	2.148	20.4	19.6
8 19	0 3.47	+ 5 33.3	1.251	2.147	16.5	19.3
8 29	23 50.36	+ 8 2.1	1.196	2.148	12.1	19.1
9 8	23 34.42	+10 17.6	1.167	2.150	8.1	18.9
9 18	23 17.22	+12 12.0	1.168	2.153	7.1	18.8
9 28	23 0.82	+13 41.5	1.197	2.157	10.2	19.0
10 8	22 47.03	+14 48.1	1.252	2.162	14.4	19.3
10 18	22 37.02	+15 37.6	1.330	2.168	18.3	19.5

76289 2000 EG_{124} 9 13.2 352°.17 1°.8/11.7 18

8 9	23 48.65	− 6 27.8	1.636	2.511	14.6	19.0
8 19	23 44.37	− 6 56.8	1.568	2.508	10.9	18.8
8 29	23 37.89	− 7 34.8	1.522	2.506	6.7	18.5
9 8	23 29.92	− 8 16.3	1.500	2.504	2.5	18.2
9 18	23 21.39	− 8 54.9	1.505	2.503	3.5	18.3
9 28	23 13.43	− 9 24.5	1.536	2.502	7.8	18.6
10 8	23 7.02	− 9 40.5	1.592	2.502	11.9	18.8
10 18	23 2.84	− 9 40.8	1.669	2.501	15.4	19.1

187597 2006 WW_{182} 9 13.2 303°.96 5°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.11	−12 1.6	1.395	2.287	15.5	20.0
8 19	23 44.43	−13 23.3	1.328	2.277	11.6	19.7
8 29	23 38.17	−14 52.8	1.283	2.267	7.7	19.5
9 8	23 30.08	−16 20.0	1.261	2.256	5.4	19.3
9 18	23 21.23	−17 34.1	1.265	2.246	7.3	19.4
9 28	23 12.96	−18 25.9	1.293	2.237	11.3	19.6
10 8	23 6.49	−18 50.5	1.343	2.227	15.4	19.8
10 18	23 2.63	−18 47.6	1.411	2.218	19.0	20.0

91202 1998 SY_{170} 9 13.2 19°.78 2°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.78	+ 3 57.7	2.022	2.852	13.9	19.2
8 19	23 44.08	+ 4 10.5	1.947	2.854	10.9	19.0
8 29	23 37.55	+ 4 9.7	1.894	2.857	7.4	18.8
9 8	23 29.77	+ 3 57.0	1.866	2.861	3.9	18.6
9 18	23 21.53	+ 3 35.2	1.865	2.864	2.7	18.5
9 28	23 13.73	+ 3 8.5	1.892	2.868	5.6	18.7
10 8	23 7.19	+ 2 42.0	1.946	2.872	9.1	18.9
10 18	23 2.52	+ 2 20.0	2.024	2.877	12.3	19.2

517988 2015 UD_{31} 9 13.2 302°.80 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.21	+ 0 54.4	2.158	3.002	12.7	21.1
8 19	23 41.35	+ 0 21.0	2.076	2.997	9.6	20.9
8 29	23 35.84	− 0 25.4	2.018	2.993	6.2	20.7
9 8	23 29.18	− 1 21.3	1.986	2.988	2.4	20.4
9 18	23 22.08	− 2 22.0	1.981	2.983	1.7	20.4
9 28	23 15.32	− 3 21.5	2.005	2.979	5.5	20.6
10 8	23 9.66	− 4 14.3	2.056	2.974	9.1	20.8
10 18	23 5.67	− 4 56.3	2.130	2.970	12.2	21.0

513520 2009 UB_{152} 9 13.2 285°.41 2°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.10	+ 4 14.6	1.687	2.521	16.1	21.9
8 19	23 47.37	+ 4 26.5	1.581	2.491	12.8	21.6
8 29	23 40.10	+ 4 22.0	1.495	2.461	8.9	21.3
9 8	23 30.83	+ 4 1.6	1.434	2.429	4.7	21.0
9 18	23 20.45	+ 3 28.1	1.398	2.398	3.2	20.8
9 28	23 10.19	+ 2 46.9	1.390	2.366	7.1	21.0
10 8	23 1.32	+ 2 4.9	1.407	2.334	11.8	21.2
10 18	22 54.82	+ 1 28.9	1.446	2.301	16.1	21.4

80690 2000 BX_{47} 9 13.2 248°.83 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.64	− 0 31.0	1.707	2.559	15.1	21.1
8 19	23 45.95	− 0 57.3	1.621	2.547	11.5	20.9
8 29	23 38.98	− 1 38.5	1.557	2.535	7.3	20.6
9 8	23 30.35	− 2 30.6	1.519	2.522	2.7	20.3
9 18	23 20.99	− 3 27.7	1.507	2.509	2.2	20.2
9 28	23 12.02	− 4 22.7	1.522	2.495	7.1	20.5
10 8	23 4.52	− 5 8.8	1.563	2.481	11.5	20.7
10 18	22 59.28	− 5 41.2	1.627	2.467	15.4	21.0

8908 1995 WY_{6} 9 13.2 117°.51 5°.1/ 7.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.48	−17 44.4	2.173	3.047	11.5	17.1
8 19	23 44.47	−18 38.8	2.115	3.050	8.7	16.9
8 29	23 37.70	−19 31.8	2.082	3.054	6.2	16.8
9 8	23 29.80	−20 17.1	2.075	3.057	5.1	16.7
9 18	23 21.55	−20 49.4	2.095	3.060	6.3	16.8
9 28	23 13.83	−21 4.6	2.142	3.064	8.8	17.0
10 8	23 7.38	−21 1.2	2.214	3.067	11.5	17.2
10 18	23 2.77	−20 39.9	2.308	3.070	13.8	17.3

100948 1998 OF_{13} 9 13.2 22°.13 0°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.74	− 1 25.3	0.990	1.887	19.9	18.5
8 19	23 42.27	− 2 5.1	0.947	1.897	14.9	18.2
8 29	23 36.89	− 3 5.2	0.922	1.909	9.2	17.9
9 8	23 29.60	− 4 17.2	0.917	1.922	3.1	17.6
9 18	23 21.77	− 5 30.4	0.935	1.937	3.3	17.7
9 28	23 14.92	− 6 33.4	0.975	1.952	9.1	18.1
10 8	23 10.28	− 7 17.6	1.036	1.970	14.3	18.5
10 18	23 8.54	− 7 39.3	1.116	1.988	18.6	18.8

218186 2002 TQ_{52} 9 13.2 331°.49 2°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.37	+ 4 15.2	1.108	1.987	19.6	19.1
8 19	23 39.94	+ 3 59.5	1.028	1.965	15.5	18.8
8 29	23 35.72	+ 3 16.4	0.966	1.944	10.5	18.4
9 8	23 29.34	+ 2 8.4	0.923	1.924	5.0	18.1
9 18	23 21.88	+ 0 42.5	0.903	1.905	3.0	17.9
9 28	23 14.85	− 0 49.5	0.905	1.888	8.5	18.1
10 8	23 9.72	− 2 14.2	0.928	1.873	14.2	18.4
10 18	23 7.51	− 3 21.2	0.971	1.859	19.4	18.7

394624 2007 WQ_{60} 9 13.2 292°.71 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.16	+ 2 35.0	1.868	2.711	14.4	21.7
8 19	23 43.10	+ 2 15.8	1.785	2.703	11.1	21.5
8 29	23 37.07	+ 1 40.9	1.724	2.696	7.3	21.3
9 8	23 29.66	+ 0 53.4	1.688	2.688	3.3	21.0
9 18	23 21.66	− 0 2.0	1.679	2.681	2.1	20.9
9 28	23 14.06	− 0 58.9	1.697	2.673	6.1	21.2
10 8	23 7.74	− 1 50.9	1.741	2.666	10.1	21.4
10 18	23 3.40	− 2 32.6	1.809	2.659	13.6	21.6

205403 2001 EO_{21} 9 13.2 175°.15 3°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.81	+ 8 12.6	2.158	2.963	14.0	20.8
8 19	23 44.80	+ 8 13.3	2.076	2.965	11.2	20.6
8 29	23 38.00	+ 7 57.6	2.016	2.966	8.0	20.4
9 8	23 29.95	+ 7 26.6	1.981	2.967	4.8	20.3
9 18	23 21.42	+ 6 43.3	1.973	2.968	3.4	20.2
9 28	23 13.28	+ 5 52.5	1.994	2.968	5.6	20.3
10 8	23 6.34	+ 5 0.1	2.043	2.968	8.8	20.5
10 18	23 1.21	+ 4 11.6	2.116	2.967	11.9	20.7

82236 2001 JF_{3} 9 13.2 46°.10 1°.9/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.28	− 6 7.1	1.159	2.044	18.5	18.9
8 19	23 48.19	− 6 29.1	1.120	2.065	13.7	18.7
8 29	23 40.32	− 7 1.8	1.100	2.086	8.3	18.5
9 8	23 30.74	− 7 37.9	1.103	2.108	3.0	18.2
9 18	23 20.83	− 8 9.8	1.131	2.130	3.9	18.4
9 28	23 12.05	− 8 30.4	1.183	2.153	9.0	18.7
10 8	23 5.55	− 8 35.6	1.257	2.176	13.6	19.1
10 18	23 1.94	− 8 24.2	1.352	2.200	17.4	19.4

367694 2010 RD_{110} 9 13.2 341°.71 4°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.60	+ 7 40.3	1.194	2.048	20.1	20.9
8 19	23 43.63	+ 7 42.9	1.123	2.042	16.2	20.7
8 29	23 37.86	+ 7 18.2	1.070	2.036	11.5	20.4
9 8	23 30.03	+ 6 27.5	1.038	2.031	6.6	20.1
9 18	23 21.33	+ 5 16.3	1.029	2.027	4.4	20.0
9 28	23 13.23	+ 3 54.5	1.043	2.024	8.0	20.2
10 8	23 7.09	+ 2 33.9	1.080	2.021	13.0	20.5
10 18	23 3.82	+ 1 24.7	1.137	2.019	17.6	20.7

343257 2009 XO_{22} 9 13.2 162°.96 3°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.57	−11 19.1	1.982	2.852	12.6	21.2
8 19	23 45.43	−12 18.5	1.919	2.856	9.3	21.0
8 29	23 38.38	−13 22.3	1.880	2.860	6.0	20.8
9 8	23 30.08	−14 23.9	1.867	2.864	3.6	20.7
9 18	23 21.35	−15 16.6	1.882	2.866	5.0	20.8
9 28	23 13.15	−15 55.1	1.925	2.869	8.2	21.0
10 8	23 6.32	−16 16.1	1.993	2.871	11.5	21.2
10 18	23 1.46	−16 18.7	2.083	2.872	14.3	21.4

186360 2002 GU_{54} 9 13.2 348°.76 0°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.03	− 1 49.6	2.111	2.965	12.6	20.4
8 19	23 41.96	− 2 22.2	2.036	2.964	9.4	20.2
8 29	23 36.22	− 3 5.8	1.984	2.963	5.9	20.0
9 8	23 29.33	− 3 56.3	1.958	2.962	2.0	19.8
9 18	23 22.01	− 4 48.9	1.960	2.961	2.0	19.8
9 28	23 15.09	− 5 37.8	1.990	2.961	5.9	20.0
10 8	23 9.32	− 6 18.2	2.047	2.960	9.4	20.2
10 18	23 5.26	− 6 46.8	2.127	2.960	12.5	20.4

157924 1999 VO_{84} 9 13.2 27°.80 0°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.27	+ 0 9.7	2.039	2.888	13.1	20.4
8 19	23 42.18	− 0 14.7	1.967	2.891	10.0	20.2
8 29	23 36.36	− 0 51.4	1.918	2.894	6.3	20.0
9 8	23 29.38	− 1 36.9	1.895	2.897	2.4	19.8
9 18	23 21.98	− 2 26.4	1.899	2.901	1.8	19.7
9 28	23 15.02	− 3 14.4	1.931	2.905	5.7	20.0
10 8	23 9.26	− 3 55.6	1.989	2.909	9.3	20.2
10 18	23 5.27	− 4 26.4	2.071	2.913	12.5	20.4

402722 2006 WY_{55} 9 13.2 208°.58 4°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.53	+11 51.7	2.526	3.304	12.9	21.4
8 19	23 43.68	+12 6.7	2.435	3.300	10.6	21.2
8 29	23 37.24	+12 6.1	2.365	3.296	8.0	21.0
9 8	23 29.70	+11 49.9	2.321	3.292	5.6	20.9
9 18	23 21.68	+11 19.9	2.304	3.287	4.3	20.8
9 28	23 13.94	+10 39.3	2.316	3.282	5.5	20.8
10 8	23 7.20	+ 9 53.1	2.355	3.277	7.9	21.0
10 18	23 2.01	+ 9 6.4	2.420	3.272	10.5	21.2

367219 2007 EF_{79} 9 13.2 167°.33 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.34	− 2 4.8	2.936	3.772	9.9	21.8
8 19	23 42.46	− 2 28.5	2.858	3.776	7.4	21.6
8 29	23 36.30	− 2 59.6	2.805	3.780	4.6	21.4
9 8	23 29.33	− 3 35.3	2.780	3.784	1.6	21.2
9 18	23 22.05	− 4 12.4	2.785	3.787	1.5	21.2
9 28	23 15.08	− 4 47.3	2.820	3.789	4.5	21.4
10 8	23 8.97	− 5 16.8	2.884	3.791	7.3	21.6
10 18	23 4.16	− 5 38.5	2.973	3.793	9.7	21.8

48646 1995 UL_{8} 9 13.2 280°.95 1°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.70	− 5 14.6	1.534	2.406	15.5	19.0
8 19	23 46.31	− 5 49.1	1.449	2.387	11.7	18.7
8 29	23 39.38	− 6 36.0	1.385	2.368	7.3	18.4
9 8	23 30.56	− 7 29.5	1.345	2.349	2.7	18.1
9 18	23 20.86	− 8 22.4	1.331	2.330	3.6	18.1
9 28	23 11.55	− 9 6.8	1.343	2.310	8.6	18.3
10 8	23 3.85	− 9 36.3	1.380	2.291	13.2	18.6
10 18	22 58.67	− 9 47.4	1.437	2.272	17.3	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
151314 2002 CF_{108}			9 13.2 182.°82		0.°4/12.7 18	
	h m	° ′			°	m
8 9	23 45.22	− 1 28.5	2.503	3.348	11.1	19.8
8 19	23 41.13	− 2 21.9	2.424	3.349	8.3	19.6
8 29	23 35.60	− 3 25.8	2.371	3.349	5.1	19.4
9 8	23 29.11	− 4 36.1	2.344	3.348	1.7	19.2
9 18	23 22.25	− 5 47.6	2.347	3.348	1.9	19.2
9 28	23 15.72	− 6 55.0	2.380	3.347	5.3	19.4
10 8	23 10.15	− 7 53.5	2.440	3.346	8.5	19.6
10 18	23 6.03	− 8 39.7	2.525	3.345	11.2	19.8
371412 2006 SA_{40}			9 13.2 313.°94		1.°9/11.9 18	
8 9	23 49.56	− 5 39.2	1.266	2.151	17.2	20.9
8 19	23 45.83	− 6 5.7	1.191	2.136	13.0	20.6
8 29	23 39.24	− 6 45.2	1.135	2.121	8.1	20.3
9 8	23 30.55	− 7 31.4	1.102	2.106	3.0	19.9
9 18	23 20.90	− 8 16.3	1.093	2.092	4.0	20.0
9 28	23 11.79	− 8 51.1	1.108	2.078	9.4	20.2
10 8	23 4.61	− 9 9.4	1.145	2.065	14.6	20.5
10 18	23 0.29	− 9 7.9	1.202	2.053	19.0	20.7
273490 2007 AW_{3}			9 13.2 218.°14		1.°9/11.5 17	
8 9	23 52.55	− 6 42.9	1.932	2.791	13.3	21.4
8 19	23 47.09	− 7 19.1	1.851	2.783	10.0	21.2
8 29	23 39.55	− 8 3.5	1.793	2.775	6.1	21.0
9 8	23 30.55	− 8 51.0	1.763	2.766	2.4	20.7
9 18	23 20.96	− 9 35.6	1.760	2.756	3.4	20.8
9 28	23 11.79	−10 11.6	1.785	2.746	7.4	21.0
10 8	23 4.01	−10 34.6	1.837	2.735	11.2	21.2
10 18	22 58.31	−10 42.3	1.911	2.724	14.5	21.4
395040 2009 DE_{95}			9 13.2 169.°29		2.°3/10.8 18	
8 9	23 49.55	− 8 47.0	2.192	3.055	11.8	22.0
8 19	23 44.51	− 9 27.9	2.123	3.057	8.8	21.9
8 29	23 37.77	−10 14.1	2.078	3.059	5.4	21.7
9 8	23 29.88	−11 0.7	2.060	3.061	2.6	21.5
9 18	23 21.61	−11 42.4	2.070	3.062	3.6	21.6
9 28	23 13.78	−12 14.5	2.109	3.063	6.9	21.8
10 8	23 7.16	−12 33.7	2.174	3.064	10.1	22.0
10 18	23 2.30	−12 38.5	2.262	3.065	12.9	22.2
128090 2003 PJ_{4}			9 13.2 336.°84		0.°9/12.7 18	
8 9	23 52.33	− 5 20.9	1.530	2.399	15.7	19.0
8 19	23 47.34	− 5 20.7	1.457	2.393	11.8	18.7
8 29	23 39.89	− 5 29.5	1.406	2.388	7.4	18.5
9 8	23 30.70	− 5 43.1	1.379	2.384	2.5	18.2
9 18	23 20.85	− 5 56.4	1.379	2.379	2.9	18.2
9 28	23 11.59	− 6 4.2	1.404	2.376	7.7	18.5
10 8	23 4.06	− 6 2.3	1.454	2.372	12.2	18.7
10 18	22 59.02	− 5 48.4	1.526	2.369	16.0	19.0
231942 2001 FP_{170}			9 13.2 156.°84		0.°3/13.6 18	
8 9	23 47.16	+ 1 29.5	2.301	3.136	12.3	20.9
8 19	23 42.66	+ 0 30.1	2.226	3.143	9.3	20.7
8 29	23 36.58	− 0 42.8	2.175	3.149	5.9	20.5
9 8	23 29.47	− 2 4.9	2.152	3.155	2.1	20.3
9 18	23 21.99	− 3 30.3	2.158	3.160	1.7	20.3
9 28	23 14.90	− 4 52.7	2.194	3.165	5.4	20.5
10 8	23 8.89	− 6 6.1	2.258	3.169	8.8	20.8
10 18	23 4.50	− 7 6.4	2.347	3.173	11.7	21.0
4347 Reger			9 13.2 127.°71		0.°3/12.9 18	R
8 9	23 47.05	− 2 12.2	2.323	3.171	11.8	17.5
8 19	23 42.56	− 2 43.3	2.251	3.176	8.8	17.3
8 29	23 36.51	− 3 23.8	2.204	3.181	5.5	17.1
9 8	23 29.44	− 4 10.1	2.183	3.186	1.9	16.8
9 18	23 22.02	− 4 57.7	2.190	3.191	1.9	16.9
9 28	23 15.00	− 5 41.7	2.227	3.196	5.4	17.1
10 8	23 9.05	− 6 17.9	2.290	3.201	8.7	17.3
10 18	23 4.70	− 6 43.4	2.378	3.205	11.6	17.5
175630 2007 TQ_{41}			9 13.2 101.°61		0.°3/12.9 18	
8 9	23 48.18	− 1 54.8	1.903	2.758	13.6	20.5
8 19	23 43.71	− 2 29.8	1.834	2.763	10.3	20.3
8 29	23 37.37	− 3 16.6	1.789	2.768	6.4	20.1
9 8	23 29.77	− 4 10.8	1.769	2.773	2.2	19.8
9 18	23 21.73	− 5 6.6	1.776	2.777	2.2	19.8
9 28	23 14.19	− 5 57.7	1.811	2.782	6.4	20.1
10 8	23 7.97	− 6 38.9	1.873	2.786	10.2	20.3
10 18	23 3.69	− 7 6.8	1.957	2.791	13.4	20.6
65213 Peterhobbs			9 13.3 141.°49		1.°1/14.7 18	
8 9	23 44.82	+ 3 53.0	2.389	3.217	12.1	19.2
8 19	23 40.89	+ 3 6.8	2.311	3.221	9.3	19.0
8 29	23 35.48	+ 2 6.5	2.257	3.225	6.1	18.8
9 8	23 29.09	+ 0 55.3	2.229	3.229	2.7	18.6
9 18	23 22.34	− 0 21.7	2.231	3.233	1.6	18.5
9 28	23 15.95	− 1 38.9	2.261	3.236	4.9	18.7
10 8	23 10.55	− 2 50.3	2.320	3.239	8.2	19.0
10 18	23 6.66	− 3 51.4	2.404	3.243	11.0	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
69595 1998 FK_{11}			9 13.3 215.°47		3.°9/ 9.7 18	R
	h m	° ′			°	m
8 9	23 49.82	− 9 2.8	1.515	2.396	15.1	18.8
8 19	23 45.47	−10 20.2	1.450	2.394	11.2	18.6
8 29	23 38.72	−11 47.3	1.407	2.391	7.1	18.4
9 8	23 30.30	−13 15.2	1.389	2.388	4.0	18.2
9 18	23 21.25	−14 34.0	1.397	2.385	5.7	18.3
9 28	23 12.79	−15 35.0	1.431	2.382	9.8	18.5
10 8	23 6.03	−16 13.0	1.489	2.378	13.9	18.7
10 18	23 1.72	−16 26.5	1.566	2.375	17.4	19.0
9790 1995 OK_{8}			9 13.3 332.°48		1.°3/15.7 18	
8 9	23 39.90	+ 4 36.1	4.184	4.993	7.7	18.0
8 19	23 36.67	+ 4 20.2	4.095	4.991	6.0	17.9
8 29	23 32.63	+ 3 56.7	4.030	4.989	4.0	17.8
9 8	23 28.06	+ 3 26.9	3.993	4.987	2.1	17.6
9 18	23 23.29	+ 2 52.7	3.985	4.985	1.4	17.6
9 28	23 18.68	+ 2 16.5	4.008	4.983	3.0	17.7
10 8	23 14.58	+ 1 40.9	4.059	4.981	4.9	17.8
10 18	23 11.30	+ 1 8.2	4.138	4.979	6.7	18.0
477148 2009 DS_{64}			9 13.3 237.°03		0.°4/12.7 18	
8 9	23 45.94	+ 0 13.9	2.158	3.004	12.6	21.7
8 19	23 41.99	− 1 1.5	2.069	2.993	9.5	21.5
8 29	23 36.31	− 2 32.4	2.005	2.983	5.9	21.2
9 8	23 29.43	− 4 13.7	1.967	2.971	2.0	21.0
9 18	23 22.02	− 5 58.4	1.959	2.960	2.2	21.0
9 28	23 14.92	− 7 38.6	1.980	2.947	6.2	21.2
10 8	23 8.90	− 9 7.2	2.029	2.935	9.9	21.4
10 18	23 4.57	−10 19.2	2.102	2.922	13.1	21.6
200543 2001 FH_{71}			9 13.3 228.°79		1.°5/11.7 18	
8 9	23 50.99	− 6 22.8	2.378	3.229	11.4	22.1
8 19	23 45.61	− 6 56.4	2.288	3.216	8.5	21.9
8 29	23 38.50	− 7 37.0	2.222	3.202	5.3	21.7
9 8	23 30.19	− 8 20.6	2.184	3.187	2.0	21.5
9 18	23 21.35	− 9 2.5	2.175	3.172	2.8	21.5
9 28	23 12.80	− 9 37.8	2.196	3.156	6.3	21.7
10 8	23 5.34	−10 2.9	2.244	3.139	9.6	21.9
10 18	22 59.55	−10 15.4	2.316	3.122	12.5	22.0
343908 2011 JK_{25}			9 13.3 22.°98		2.°4/11.3 17	
8 9	23 43.91	− 4 26.6	1.093	1.992	18.3	19.8
8 19	23 41.43	− 5 31.7	1.052	2.005	13.5	19.6
8 29	23 36.29	− 6 52.1	1.030	2.019	8.2	19.4
9 8	23 29.44	− 8 17.9	1.030	2.034	3.1	19.1
9 18	23 22.12	− 9 37.8	1.053	2.051	4.5	19.3
9 28	23 15.71	−10 41.2	1.100	2.070	9.6	19.6
10 8	23 11.33	−11 21.7	1.168	2.089	14.3	19.9
10 18	23 9.59	−11 37.2	1.255	2.109	18.1	20.3
221342 2005 WS_{58}			9 13.3 183.°12		2.°5/16.4 18	
8 9	23 45.96	+ 7 17.4	2.581	3.387	11.9	20.9
8 19	23 41.67	+ 7 1.8	2.496	3.387	9.5	20.8
8 29	23 35.96	+ 6 32.1	2.434	3.387	6.6	20.6
9 8	23 29.27	+ 5 50.0	2.397	3.387	3.8	20.4
9 18	23 22.21	+ 4 58.7	2.389	3.387	2.5	20.3
9 28	23 15.45	+ 4 2.6	2.411	3.386	4.6	20.5
10 8	23 9.64	+ 3 6.6	2.460	3.385	7.5	20.6
10 18	23 5.25	+ 2 15.4	2.535	3.384	10.2	20.8
48057 2001 EO_{5}			9 13.3 114.°97		2.°6/11.1 17	
8 9	23 51.72	− 7 3.5	1.522	2.397	15.5	19.9
8 19	23 46.75	− 7 54.7	1.464	2.404	11.5	19.6
8 29	23 39.42	− 8 55.4	1.427	2.411	7.0	19.4
9 8	23 30.53	− 9 58.4	1.415	2.418	3.0	19.2
9 18	23 21.12	−10 55.7	1.430	2.425	4.3	19.3
9 28	23 12.43	−11 39.9	1.471	2.431	8.6	19.6
10 8	23 5.50	−12 6.3	1.536	2.438	12.8	19.8
10 18	23 1.00	−12 13.2	1.622	2.444	16.3	20.1
58951 1998 QD_{72}			9 13.3 24.°82		8.°2/21.1 18	
8 9	23 43.72	+17 1.6	1.215	2.029	22.2	17.2
8 19	23 41.23	+17 23.0	1.165	2.045	18.6	17.0
8 29	23 36.17	+17 9.2	1.131	2.063	14.6	16.9
9 8	23 29.41	+16 20.2	1.116	2.082	10.8	16.7
9 18	23 22.13	+15 0.3	1.122	2.102	8.3	16.6
9 28	23 15.65	+13 19.5	1.152	2.124	8.9	16.7
10 8	23 11.09	+11 31.3	1.204	2.146	11.9	17.0
10 18	23 9.12	+ 9 47.8	1.278	2.170	15.3	17.3
518245 2016 UA_{68}			9 13.3 271.°88		4.°9/18.7 18	
8 9	23 46.49	+14 20.0	2.039	2.822	15.5	21.5
8 19	23 42.69	+13 57.2	1.930	2.798	12.9	21.3
8 29	23 36.94	+13 9.7	1.841	2.774	9.8	21.1
9 8	23 29.72	+11 57.5	1.776	2.749	6.7	20.8
9 18	23 21.76	+10 23.7	1.737	2.724	4.9	20.7
9 28	23 14.00	+ 8 34.7	1.726	2.699	6.4	20.7
10 8	23 7.37	+ 6 39.7	1.743	2.673	9.7	20.9
10 18	23 2.63	+ 4 48.1	1.785	2.647	13.2	21.0

84566 VIMS 9 13.3 232°.90 5°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.61	+17 37.6	2.388	3.136	14.4	20.1
8 19	23 43.20	+17 46.6	2.289	3.126	12.2	19.9
8 29	23 37.07	+17 35.2	2.210	3.116	9.8	19.7
9 8	23 29.71	+17 2.6	2.154	3.105	7.4	19.6
9 18	23 21.79	+16 10.1	2.125	3.093	6.0	19.5
9 28	23 14.13	+15 1.5	2.123	3.081	6.6	19.5
10 8	23 7.51	+13 43.2	2.148	3.069	8.7	19.6
10 18	23 2.55	+12 22.1	2.199	3.057	11.2	19.7

225269 2009 SO_{15} 9 13.3 308°.03 2°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.94	+ 5 40.3	1.376	2.229	18.0	20.4
8 19	23 43.02	+ 5 27.5	1.287	2.207	14.3	20.1
8 29	23 37.51	+ 4 50.4	1.216	2.186	9.9	19.8
9 8	23 30.00	+ 3 50.9	1.167	2.164	5.2	19.4
9 18	23 21.48	+ 2 34.1	1.142	2.143	3.2	19.3
9 28	23 13.29	+ 1 9.3	1.143	2.123	7.6	19.5
10 8	23 6.73	− 0 12.4	1.166	2.103	12.7	19.7
10 18	23 2.79	− 1 21.8	1.211	2.084	17.4	19.9

465592 2009 AZ_{44} 9 13.3 105°.66 1°.4/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.25	+ 2 5.6	1.516	2.360	17.1	22.3
8 19	23 49.27	+ 1 49.4	1.462	2.380	13.1	22.1
8 29	23 40.91	+ 1 16.2	1.428	2.400	8.5	21.9
9 8	23 31.02	+ 0 30.1	1.419	2.419	3.6	21.6
9 18	23 20.72	− 0 22.9	1.436	2.438	2.3	21.6
9 28	23 11.26	− 1 15.3	1.481	2.456	6.9	21.9
10 8	23 3.67	− 2 0.3	1.551	2.473	11.2	22.2
10 18	22 58.61	− 2 33.1	1.644	2.490	14.9	22.5

2665 Schrutka 9 13.3 141°.26 3°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.38	+ 6 35.5	1.555	2.385	17.4	16.8
8 19	23 47.31	+ 6 33.0	1.486	2.391	13.8	16.5
8 29	23 39.83	+ 6 9.6	1.436	2.397	9.6	16.3
9 8	23 30.70	+ 5 27.4	1.410	2.403	5.3	16.1
9 18	23 20.96	+ 4 31.2	1.409	2.408	3.5	16.0
9 28	23 11.82	+ 3 28.2	1.436	2.413	6.9	16.2
10 8	23 4.41	+ 2 27.0	1.488	2.417	11.1	16.5
10 18	22 59.45	+ 1 34.4	1.562	2.421	14.9	16.7

356220 2009 SM_{123} 9 13.3 261°.56 1°.1/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.33	+ 3 49.1	4.439	5.249	7.2	21.3
8 19	23 36.95	+ 3 37.6	4.348	5.246	5.6	21.1
8 29	23 32.79	+ 3 19.3	4.282	5.242	3.8	21.0
9 8	23 28.13	+ 2 55.4	4.244	5.238	1.9	20.9
9 18	23 23.27	+ 2 27.6	4.235	5.235	1.2	20.8
9 28	23 18.57	+ 1 58.1	4.257	5.231	2.8	20.9
10 8	23 14.35	+ 1 29.1	4.308	5.227	4.7	21.1
10 18	23 10.89	+ 1 2.7	4.385	5.224	6.4	21.2

255131 2005 UJ_{130} 9 13.3 359°.55 7°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.63	−18 46.1	1.627	2.520	13.6	19.5
8 19	23 42.20	−20 12.9	1.574	2.518	10.5	19.4
8 29	23 36.61	−21 38.3	1.545	2.517	7.9	19.2
9 8	23 29.56	−22 52.8	1.539	2.517	7.1	19.2
9 18	23 22.03	−23 47.8	1.559	2.517	8.8	19.3
9 28	23 15.10	−24 17.6	1.602	2.518	11.6	19.4
10 8	23 9.74	−24 20.2	1.668	2.519	14.6	19.6
10 18	23 6.58	−23 57.1	1.752	2.522	17.3	19.8

523401 2017 DU_{109} 9 13.3 238°.57 2°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.42	+ 8 31.7	2.755	3.553	11.5	21.9
8 19	23 41.27	+ 8 14.2	2.656	3.541	9.2	21.7
8 29	23 35.73	+ 7 42.3	2.580	3.529	6.6	21.5
9 8	23 29.23	+ 6 57.5	2.530	3.516	3.9	21.3
9 18	23 22.30	+ 6 2.4	2.508	3.504	2.7	21.2
9 28	23 15.59	+ 5 1.4	2.516	3.490	4.5	21.3
10 8	23 9.73	+ 3 59.4	2.553	3.477	7.3	21.5
10 18	23 5.20	+ 3 1.1	2.615	3.463	10.0	21.6

324117 2005 YN_{14} 9 13.3 267°.79 3°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.00	−12 15.9	2.293	3.166	11.0	20.8
8 19	23 41.93	−13 20.7	2.218	3.157	8.2	20.6
8 29	23 36.23	−14 29.4	2.168	3.148	5.3	20.4
9 8	23 29.41	−15 36.3	2.145	3.139	3.6	20.3
9 18	23 22.15	−16 35.3	2.150	3.130	4.9	20.4
9 28	23 15.23	−17 21.1	2.182	3.120	7.8	20.5
10 8	23 9.38	−17 50.3	2.241	3.111	10.7	20.7
10 18	23 5.17	−18 1.7	2.321	3.101	13.3	20.9

260558 2005 EG_{211} 9 13.3 150°.14 2°.9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.67	+ 5 43.7	1.650	2.479	16.6	21.4
8 19	23 47.41	+ 5 40.7	1.579	2.485	13.1	21.2
8 29	23 39.86	+ 5 18.7	1.528	2.490	9.0	21.0
9 8	23 30.72	+ 4 39.8	1.501	2.495	4.8	20.8
9 18	23 21.00	+ 3 48.6	1.501	2.500	3.1	20.7
9 28	23 11.85	+ 2 51.7	1.528	2.504	6.6	20.9
10 8	23 4.34	+ 1 56.8	1.580	2.508	10.7	21.2
10 18	22 59.17	+ 1 10.1	1.656	2.511	14.4	21.4

264892 2002 TW_{12} 9 13.3 318°.55 2°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.35	− 5 9.1	1.243	2.133	17.2	20.0
8 19	23 43.48	− 5 56.7	1.166	2.114	12.9	19.7
8 29	23 37.85	− 7 0.4	1.109	2.096	8.0	19.4
9 8	23 30.14	− 8 12.9	1.074	2.078	3.1	19.1
9 18	23 21.46	− 9 24.3	1.063	2.061	4.5	19.1
9 28	23 13.26	−10 24.1	1.076	2.045	9.9	19.4
10 8	23 6.91	−11 4.0	1.111	2.030	15.0	19.6
10 18	23 3.37	−11 19.9	1.164	2.015	19.5	19.8

248487 2005 UA_{273} 9 13.3 37°.40 10°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.04	−33 25.1	1.906	2.766	13.5	19.9
8 19	23 47.50	−34 41.6	1.874	2.773	11.7	19.8
8 29	23 39.73	−35 42.9	1.864	2.780	10.7	19.7
9 8	23 30.60	−36 20.8	1.877	2.788	10.8	19.8
9 18	23 21.18	−36 29.9	1.913	2.796	11.9	19.9
9 28	23 12.61	−36 8.5	1.971	2.804	13.6	20.0
10 8	23 5.83	−35 18.8	2.050	2.813	15.4	20.2
10 18	23 1.41	−34 5.4	2.146	2.822	17.1	20.3

434307 2004 FT_{41} 9 13.3 233°.55 7°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.15	−25 19.0	2.054	2.906	12.9	21.5
8 19	23 54.37	−26 9.7	1.977	2.890	10.5	21.4
8 29	23 44.14	−26 53.0	1.925	2.874	8.4	21.2
9 8	23 32.22	−27 20.8	1.899	2.856	7.8	21.1
9 18	23 19.66	−27 26.7	1.901	2.838	9.0	21.2
9 28	23 7.71	−27 7.0	1.930	2.818	11.4	21.3
10 8	22 57.46	−26 22.3	1.983	2.798	14.1	21.4
10 18	22 49.69	−25 15.8	2.057	2.777	16.6	21.6

146343 2001 OD_{62} 9 13.3 70°.02 11°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.80	+19 38.7	1.582	2.331	20.5	19.5
8 19	23 53.25	+21 31.4	1.513	2.339	17.9	19.4
8 29	23 43.80	+22 59.6	1.462	2.348	15.0	19.2
9 8	23 32.20	+23 57.3	1.432	2.357	12.5	19.1
9 18	23 19.64	+24 20.9	1.425	2.366	11.0	19.0
9 28	23 7.64	+24 12.3	1.443	2.375	11.4	19.1
10 8	22 57.58	+23 38.7	1.485	2.384	13.3	19.2
10 18	22 50.44	+22 50.0	1.548	2.393	15.8	19.4

85429 1997 AJ_{18} 9 13.3 62°.49 5°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.63	+13 1.3	2.094	2.880	15.0	19.6
8 19	23 43.27	+13 16.0	2.016	2.885	12.4	19.5
8 29	23 37.12	+13 11.1	1.959	2.890	9.4	19.3
9 8	23 29.74	+12 46.8	1.925	2.895	6.6	19.1
9 18	23 21.89	+12 5.4	1.918	2.901	5.1	19.1
9 28	23 14.45	+11 11.5	1.938	2.906	6.2	19.1
10 8	23 8.21	+10 11.5	1.984	2.911	8.9	19.3
10 18	23 3.79	+ 9 11.8	2.055	2.917	11.7	19.5

345459 2006 FX_{10} 9 13.3 239°.79 0°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.35	− 0 55.7	1.903	2.757	13.7	21.6
8 19	23 43.26	− 1 51.4	1.821	2.749	10.4	21.4
8 29	23 37.22	− 3 1.9	1.761	2.740	6.4	21.1
9 8	23 29.81	− 4 22.2	1.727	2.731	2.2	20.8
9 18	23 21.82	− 5 45.5	1.721	2.722	2.4	20.8
9 28	23 14.21	− 7 3.9	1.743	2.712	6.7	21.1
10 8	23 7.86	− 8 10.5	1.791	2.702	10.7	21.3
10 18	23 3.45	− 9 0.9	1.863	2.692	14.2	21.5

176137 2001 FE_{40} 9 13.3 114°.96 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.13	− 0 9.9	1.604	2.459	15.8	20.1
8 19	23 46.20	− 0 50.5	1.544	2.471	11.9	19.9
8 29	23 39.05	− 1 46.6	1.504	2.482	7.5	19.7
9 8	23 30.43	− 2 52.8	1.490	2.493	2.6	19.4
9 18	23 21.35	− 4 1.9	1.502	2.504	2.3	19.4
9 28	23 12.94	− 5 6.1	1.542	2.515	7.0	19.8
10 8	23 6.17	− 5 58.7	1.607	2.525	11.3	20.0
10 18	23 1.70	− 6 35.4	1.695	2.534	14.9	20.3

277015 2005 AN_{32} 9 13.3 276°.22 2°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.92	− 9 8.1	2.407	3.273	10.8	20.9
8 19	23 41.84	− 9 58.8	2.321	3.258	8.0	20.7
8 29	23 36.18	−10 55.4	2.261	3.243	5.0	20.4
9 8	23 29.43	−11 53.0	2.227	3.227	2.6	20.3
9 18	23 22.22	−12 46.4	2.222	3.212	3.7	20.3
9 28	23 15.29	−13 30.5	2.245	3.196	6.8	20.5
10 8	23 9.34	−14 1.5	2.295	3.181	9.8	20.7
10 18	23 4.94	−14 17.4	2.368	3.165	12.5	20.8

273923 2007 HJ_{90} 9 13.3 63°.18 1°.3/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.12	− 2 56.7	1.540	2.410	15.5	20.2
8 19	23 43.98	− 3 55.3	1.486	2.424	11.5	20.0
8 29	23 37.67	− 5 7.5	1.454	2.438	7.0	19.8
9 8	23 29.95	− 6 26.2	1.447	2.452	2.4	19.5
9 18	23 21.82	− 7 43.1	1.466	2.466	3.2	19.6
9 28	23 14.37	− 8 50.0	1.512	2.480	7.7	19.9
10 8	23 8.56	− 9 40.5	1.582	2.494	11.8	20.2
10 18	23 4.99	−10 11.9	1.675	2.509	15.3	20.5

186762 2004 CB_{108} 9 13.3 193°.78 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.01	+ 5 9.8	1.726	2.559	15.8	20.7
8 19	23 45.41	+ 4 49.2	1.648	2.558	12.4	20.5
8 29	23 38.63	+ 4 9.5	1.591	2.557	8.4	20.2
9 8	23 30.33	+ 3 13.5	1.558	2.555	4.2	20.0
9 18	23 21.42	+ 2 6.4	1.552	2.553	2.6	19.9
9 28	23 12.99	+ 0 55.6	1.573	2.550	6.4	20.1
10 8	23 6.02	− 0 11.1	1.621	2.548	10.5	20.3
10 18	23 1.24	− 1 7.2	1.692	2.545	14.3	20.6

21951 1999 VE_{159} 9 13.3 182°.86 2°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.24	+ 6 38.6	2.417	3.229	12.5	19.1
8 19	23 42.00	+ 6 24.0	2.333	3.229	9.8	18.9
8 29	23 36.23	+ 5 54.8	2.273	3.229	6.8	18.7
9 8	23 29.44	+ 5 13.0	2.238	3.229	3.8	18.5
9 18	23 22.24	+ 4 21.8	2.231	3.229	2.5	18.5
9 28	23 15.36	+ 3 26.1	2.253	3.229	4.9	18.6
10 8	23 9.49	+ 2 31.0	2.303	3.228	7.9	18.8
10 18	23 5.15	+ 1 41.3	2.378	3.227	10.8	19.0

152714 1998 SB_{115} 9 13.3 33°.17 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.04	− 4 37.4	1.995	2.856	12.9	19.3
8 19	23 43.54	− 4 58.0	1.929	2.862	9.6	19.1
8 29	23 37.25	− 5 27.0	1.887	2.868	5.9	18.9
9 8	23 29.79	− 6 0.2	1.871	2.875	2.0	18.7
9 18	23 21.95	− 6 32.9	1.882	2.882	2.4	18.7
9 28	23 14.61	− 7 0.2	1.920	2.889	6.3	19.0
10 8	23 8.54	− 7 18.3	1.985	2.896	9.8	19.2
10 18	23 4.32	− 7 24.9	2.073	2.904	12.9	19.5

358280 2006 UN_{38} 9 13.3 286°.17 0°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.15	− 4 10.1	1.987	2.846	13.0	21.2
8 19	23 43.73	− 4 39.9	1.910	2.842	9.7	21.0
8 29	23 37.45	− 5 19.4	1.856	2.837	6.0	20.8
9 8	23 29.89	− 6 4.1	1.828	2.832	2.1	20.5
9 18	23 21.84	− 6 48.9	1.828	2.828	2.5	20.5
9 28	23 14.20	− 7 28.1	1.855	2.823	6.5	20.8
10 8	23 7.81	− 7 57.1	1.909	2.819	10.2	21.0
10 18	23 3.30	− 8 13.0	1.986	2.814	13.4	21.2

377568 2005 LH_{7} 9 13.3 81°.11 2°.4/11.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.64	− 6 3.7	1.459	2.331	16.2	21.3
8 19	23 48.01	− 7 4.9	1.420	2.358	11.9	21.1
8 29	23 40.08	− 8 15.6	1.402	2.386	7.2	20.9
9 8	23 30.76	− 9 27.8	1.410	2.413	2.9	20.8
9 18	23 21.17	−10 32.8	1.444	2.439	4.2	20.9
9 28	23 12.54	−11 23.5	1.504	2.466	8.4	21.2
10 8	23 5.81	−11 55.4	1.589	2.491	12.4	21.5
10 18	23 1.56	−12 7.7	1.696	2.516	15.7	21.8

451202 2009 UU_{108} 9 13.3 345°.09 4°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.73	−16 4.0	1.953	2.834	12.2	20.7
8 19	23 43.45	−16 51.8	1.888	2.828	9.3	20.6
8 29	23 37.27	−17 39.8	1.846	2.823	6.4	20.4
9 8	23 29.83	−18 21.5	1.830	2.819	4.9	20.3
9 18	23 21.93	−18 51.1	1.841	2.814	6.2	20.4
9 28	23 14.53	−19 3.8	1.877	2.811	9.1	20.5
10 8	23 8.46	−18 57.7	1.938	2.808	12.1	20.7
10 18	23 4.34	−18 33.1	2.020	2.805	14.8	20.9

503890 2001 TM_{263} 9 13.3 13°.02 2°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.38	+ 1 20.3	1.615	2.465	15.9	20.5
8 19	23 45.73	+ 1 38.4	1.546	2.468	12.3	20.2
8 29	23 38.84	+ 1 42.6	1.499	2.471	8.2	20.0
9 8	23 30.41	+ 1 35.1	1.475	2.475	3.8	19.8
9 18	23 21.42	+ 1 19.2	1.478	2.479	2.5	19.7
9 28	23 13.01	+ 1 0.1	1.507	2.484	6.5	20.0
10 8	23 6.19	+ 0 43.2	1.561	2.490	10.7	20.2
10 18	23 1.67	+ 0 32.7	1.638	2.496	14.4	20.5

10829 Matsuobasho 9 13.3 335°.43 8°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.37	−17 38.4	1.011	1.924	18.2	16.2
8 19	23 45.57	−18 43.2	0.951	1.907	14.2	15.9
8 29	23 39.40	−19 48.6	0.910	1.892	10.3	15.6
9 8	23 30.76	−20 41.5	0.888	1.877	8.6	15.5
9 18	23 21.09	−21 9.7	0.888	1.864	10.6	15.6
9 28	23 12.25	−21 4.5	0.908	1.853	14.8	15.8
10 8	23 5.83	−20 24.5	0.947	1.843	19.3	16.0
10 18	23 2.79	−19 13.4	1.001	1.834	23.3	16.2

472496 2015 CB_{15} 9 13.3 153°.27 0°.1/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.86	− 2 12.9	1.941	2.782	14.0	21.7
8 19	23 49.43	− 2 21.9	1.871	2.791	10.6	21.5
8 29	23 40.96	− 2 40.9	1.824	2.799	6.7	21.2
9 8	23 31.12	− 3 6.6	1.804	2.807	2.4	21.0
9 18	23 20.83	− 3 34.5	1.812	2.814	2.0	21.0
9 28	23 11.11	− 3 59.8	1.849	2.820	6.3	21.3
10 8	23 2.89	− 4 18.3	1.914	2.825	10.1	21.5
10 18	22 56.79	− 4 27.0	2.002	2.830	13.4	21.7

356264 2009 VE_{25} 9 13.3 342°.66 3°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.84	+14 25.0	4.265	5.013	8.5	20.3
8 19	23 37.42	+14 28.0	4.170	5.012	7.1	20.2
8 29	23 33.15	+14 20.4	4.099	5.011	5.5	20.1
9 8	23 28.33	+14 2.8	4.054	5.010	4.0	20.0
9 18	23 23.29	+13 36.2	4.037	5.010	3.2	19.9
9 28	23 18.41	+13 2.7	4.049	5.009	3.6	20.0
10 8	23 14.05	+12 24.8	4.089	5.008	5.0	20.1
10 18	23 10.52	+11 45.3	4.157	5.007	6.5	20.2

483774 2005 UJ_{291} 9 13.3 289°.02 0°.1/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.05	− 2 24.3	2.102	2.954	12.7	22.3
8 19	23 43.65	− 2 42.2	2.013	2.940	9.6	22.1
8 29	23 37.43	− 3 10.3	1.948	2.926	6.0	21.9
9 8	23 29.92	− 3 45.2	1.909	2.912	2.1	21.6
9 18	23 21.85	− 4 22.6	1.897	2.899	2.0	21.5
9 28	23 14.10	− 4 57.4	1.914	2.885	6.0	21.8
10 8	23 7.50	− 5 24.9	1.957	2.872	9.7	22.0
10 18	23 2.69	− 5 41.9	2.024	2.858	13.0	22.2

330764 2008 SR_{264} 9 13.3 354°.79 4°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.59	−15 39.9	2.404	3.276	10.6	20.8
8 19	23 42.98	−16 22.3	2.339	3.275	8.0	20.6
8 29	23 36.83	−17 4.8	2.298	3.274	5.4	20.4
9 8	23 29.65	−17 42.2	2.285	3.274	4.0	20.3
9 18	23 22.14	−18 10.0	2.299	3.273	5.2	20.4
9 28	23 15.04	−18 24.4	2.341	3.273	7.6	20.6
10 8	23 9.04	−18 23.6	2.409	3.273	10.2	20.7
10 18	23 4.65	−18 7.4	2.498	3.273	12.6	20.9

54081 2000 GH_{162} 9 13.3 113°.24 10°.1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.27	−31 8.1	1.994	2.861	12.6	18.7
8 19	23 44.78	−33 17.5	1.962	2.867	11.0	18.6
8 29	23 38.17	−35 14.5	1.954	2.872	10.2	18.6
9 8	23 30.17	−36 49.4	1.970	2.878	10.6	18.6
9 18	23 21.69	−37 55.1	2.011	2.883	11.9	18.7
9 28	23 13.83	−38 28.2	2.074	2.888	13.7	18.9
10 8	23 7.50	−38 29.4	2.156	2.893	15.5	19.0
10 18	23 3.35	−38 2.5	2.255	2.898	17.1	19.2

37471 Popocatepetl 9 13.3 323°.50 8°.8/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.05	+23 51.4	1.038	1.836	26.2	17.6
8 19	23 39.24	+23 1.0	0.958	1.826	22.7	17.3
8 29	23 35.44	+21 11.8	0.892	1.817	18.3	17.0
9 8	23 29.39	+18 18.9	0.843	1.808	13.4	16.7
9 18	23 22.31	+14 27.7	0.815	1.800	9.4	16.5
9 28	23 15.84	+ 9 57.9	0.812	1.793	9.7	16.4
10 8	23 11.50	+ 5 20.4	0.833	1.786	14.0	16.7
10 18	23 10.29	+ 1 5.1	0.877	1.781	19.3	16.9

358862 2008 FN_{103} 9 13.3 31°.25 3°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.37	−10 6.9	1.779	2.660	13.3	20.2
8 19	23 42.46	−11 4.2	1.726	2.669	9.8	20.1
8 29	23 36.65	−12 6.9	1.696	2.680	6.1	19.9
9 8	23 29.61	−13 8.0	1.691	2.690	3.5	19.7
9 18	23 22.21	−14 0.7	1.713	2.701	4.8	19.8
9 28	23 15.39	−14 39.2	1.762	2.713	8.2	20.1
10 8	23 9.98	−15 0.1	1.834	2.725	11.6	20.3
10 18	23 6.54	−15 2.3	1.929	2.738	14.5	20.5

10958 Mont Blanc 9 13.3 206°.66 1°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.58	+ 2 20.1	1.631	2.475	16.1	19.4
8 19	23 46.74	+ 1 53.8	1.552	2.471	12.4	19.2
8 29	23 39.56	+ 1 9.5	1.495	2.467	8.1	18.9
9 8	23 30.71	+ 0 10.9	1.462	2.463	3.4	18.6
9 18	23 21.18	− 0 55.8	1.455	2.458	2.2	18.5
9 28	23 12.13	− 2 2.9	1.477	2.452	6.9	18.8
10 8	23 4.66	− 3 2.5	1.523	2.446	11.4	19.1
10 18	22 59.54	− 3 48.8	1.593	2.440	15.3	19.3

78297 2002 PH_{54} 9 13.3 350°.03 4°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.22	+ 3 29.8	1.401	2.250	18.0	18.9
8 19	23 47.61	+ 4 26.4	1.326	2.243	14.3	18.7
8 29	23 40.30	+ 5 8.2	1.270	2.236	10.0	18.4
9 8	23 31.02	+ 5 34.7	1.238	2.231	5.7	18.2
9 18	23 20.89	+ 5 47.0	1.230	2.227	4.2	18.1
9 28	23 11.30	+ 5 48.9	1.247	2.224	7.7	18.3
10 8	23 3.53	+ 5 45.8	1.288	2.222	12.1	18.5
10 18	22 58.48	+ 5 43.5	1.350	2.221	16.1	18.8

68166 2001 BM_{28} 9 13.3 305°.30 7°.3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.93	−15 56.0	1.553	2.449	14.0	18.7
8 19	23 42.02	−18 8.2	1.483	2.430	10.7	18.5
8 29	23 36.76	−20 27.0	1.436	2.412	8.0	18.3
9 8	23 29.77	−22 39.9	1.415	2.394	7.4	18.2
9 18	23 22.00	−24 34.3	1.419	2.376	9.6	18.3
9 28	23 14.64	−26 0.0	1.448	2.358	13.0	18.4
10 8	23 8.81	−26 51.8	1.498	2.341	16.5	18.6
10 18	23 5.35	−27 9.8	1.566	2.324	19.5	18.8

177329 2003 YP_{62} 9 13.3 137°.05 2°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.47	− 7 13.9	1.872	2.734	13.5	20.4
8 19	23 46.92	− 8 12.4	1.813	2.748	10.0	20.2
8 29	23 39.38	− 9 18.8	1.779	2.760	6.1	20.0
9 8	23 30.57	−10 26.5	1.770	2.772	2.7	19.8
9 18	23 21.38	−11 28.5	1.791	2.784	3.9	19.9
9 28	23 12.80	−12 18.5	1.839	2.794	7.6	20.2
10 8	23 5.70	−12 52.4	1.913	2.804	11.2	20.4
10 18	23 0.69	−13 8.8	2.009	2.813	14.2	20.7

325506 2009 RC_{51} 9 13.3 294°.97 2°.9/17.1 18

8 9	23 43.66	+ 9 46.3	2.334	3.138	13.1	20.4
8 19	23 40.19	+ 9 11.6	2.245	3.133	10.5	20.2
8 29	23 35.18	+ 8 18.4	2.177	3.127	7.5	20.0
9 8	23 29.12	+ 7 8.8	2.135	3.122	4.5	19.8
9 18	23 22.63	+ 5 46.9	2.121	3.117	2.9	19.7
9 28	23 16.43	+ 4 18.7	2.135	3.112	5.0	19.8
10 8	23 11.23	+ 2 51.0	2.178	3.107	8.1	20.0
10 18	23 7.56	+ 1 30.0	2.246	3.102	11.1	20.2

19705 1999 TR_{10} 9 13.3 338°.78 2°.9/10.5 18

8 9	23 50.18	−11 17.5	2.069	2.938	12.2	17.6
8 19	23 45.15	−11 43.5	1.999	2.936	9.1	17.4
8 29	23 38.29	−12 12.5	1.953	2.934	5.7	17.1
9 8	23 30.20	−12 39.7	1.932	2.932	3.1	17.0
9 18	23 21.69	−13 0.2	1.940	2.930	4.2	17.0
9 28	23 13.65	−13 10.0	1.976	2.928	7.4	17.2
10 8	23 6.91	−13 6.4	2.037	2.927	10.7	17.5
10 18	23 2.05	−12 48.8	2.121	2.926	13.5	17.6

36600 2000 QP_{138} 9 13.3 334°.66 0°.7/12.6 18

8 9	23 47.55	− 3 38.6	1.906	2.767	13.4	19.1
8 19	23 43.36	− 4 5.7	1.830	2.763	10.0	18.9
8 29	23 37.26	− 4 42.9	1.778	2.759	6.2	18.6
9 8	23 29.87	− 5 26.1	1.751	2.756	2.1	18.4
9 18	23 21.97	− 6 10.0	1.752	2.752	2.4	18.4
9 28	23 14.50	− 6 48.7	1.780	2.749	6.6	18.6
10 8	23 8.33	− 7 17.5	1.833	2.747	10.4	18.9
10 18	23 4.08	− 7 33.3	1.910	2.744	13.7	19.1

473673 2015 XB_{355} 9 13.3 299°.18 3°.8/17.5 18

8 9	23 45.66	+ 9 52.5	2.251	3.052	13.6	20.9
8 19	23 41.81	+ 9 53.7	2.155	3.039	11.0	20.7
8 29	23 36.28	+ 9 37.9	2.081	3.026	8.1	20.5
9 8	23 29.54	+ 9 5.8	2.032	3.013	5.2	20.3
9 18	23 22.25	+ 8 19.7	2.009	3.001	3.8	20.2
9 28	23 15.23	+ 7 24.2	2.014	2.988	5.5	20.2
10 8	23 9.23	+ 6 25.3	2.046	2.975	8.5	20.4
10 18	23 4.88	+ 5 28.7	2.103	2.963	11.6	20.6

403381 2009 OQ_{18} 9 13.3 2°.19 3°.8/16.7 18

8 9	23 49.20	+ 7 11.9	1.977	2.793	14.7	20.6
8 19	23 44.58	+ 7 37.1	1.898	2.793	11.8	20.4
8 29	23 38.03	+ 7 46.6	1.840	2.793	8.5	20.2
9 8	23 30.15	+ 7 41.1	1.807	2.793	5.2	20.0
9 18	23 21.73	+ 7 22.6	1.800	2.794	3.8	20.0
9 28	23 13.72	+ 6 55.3	1.820	2.795	6.0	20.1
10 8	23 6.98	+ 6 24.4	1.867	2.796	9.3	20.3
10 18	23 2.17	+ 5 55.2	1.938	2.797	12.4	20.5

289680 2005 GX_{150} 9 13.3 196°.51 1°.5/11.6 18

8 9	23 48.53	− 5 32.4	2.131	2.990	12.3	21.4
8 19	23 43.90	− 6 17.8	2.057	2.989	9.1	21.2
8 29	23 37.51	− 7 11.8	2.005	2.987	5.6	20.9
9 8	23 29.95	− 8 9.5	1.981	2.985	2.1	20.7
9 18	23 21.93	− 9 5.2	1.985	2.982	3.0	20.8
9 28	23 14.32	− 9 53.3	2.018	2.979	6.6	21.0
10 8	23 7.89	−10 29.3	2.077	2.976	10.0	21.2
10 18	23 3.23	−10 50.9	2.159	2.973	13.0	21.4

143931 2003 YD_{102} 9 13.3 206°.50 0°.1/13.4 18

8 9	23 50.36	− 0 6.4	1.722	2.573	15.0	20.7
8 19	23 45.70	− 0 46.4	1.644	2.570	11.4	20.4
8 29	23 38.85	− 1 42.1	1.589	2.566	7.2	20.2
9 8	23 30.47	− 2 48.7	1.559	2.562	2.6	19.9
9 18	23 21.46	− 3 59.6	1.556	2.557	2.2	19.9
9 28	23 12.93	− 5 7.0	1.580	2.552	6.9	20.1
10 8	23 5.87	− 6 3.9	1.630	2.547	11.2	20.4
10 18	23 1.00	− 6 45.6	1.703	2.541	14.9	20.6

69253 1981 EX_{35} 9 13.3 90°.60 4°.7/17.4 17 R

8 9	23 50.58	+10 12.7	1.454	2.276	18.8	19.7
8 19	23 46.11	+10 10.7	1.389	2.286	15.1	19.4
8 29	23 39.18	+ 9 43.2	1.344	2.297	11.0	19.2
9 8	23 30.58	+ 8 51.7	1.321	2.307	6.8	19.0
9 18	23 21.40	+ 7 41.1	1.323	2.317	4.7	18.9
9 28	23 12.89	+ 6 20.0	1.350	2.327	7.2	19.1
10 8	23 6.17	+ 4 58.5	1.403	2.337	11.2	19.4
10 18	23 1.97	+ 3 45.4	1.478	2.347	15.0	19.6

444376 2005 YA_{71} 9 13.3 198°.81 5°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.13	−22 3.2	2.801	3.669	9.4	21.4
8 19	23 42.55	−23 21.6	2.740	3.666	7.4	21.2
8 29	23 36.54	−24 37.1	2.706	3.662	5.9	21.1
9 8	23 29.59	−25 43.7	2.699	3.658	5.6	21.1
9 18	23 22.28	−26 36.5	2.720	3.654	6.7	21.2
9 28	23 15.30	−27 11.8	2.768	3.650	8.6	21.3
10 8	23 9.28	−27 28.2	2.840	3.645	10.6	21.4
10 18	23 4.71	−27 25.8	2.933	3.639	12.4	21.6

260139 2004 QU_{14} 9 13.3 337°.99 4°.2/17.1 17

8 9	23 45.50	+ 8 28.4	1.761	2.586	15.9	20.4
8 19	23 42.10	+ 8 41.1	1.676	2.575	12.8	20.1
8 29	23 36.65	+ 8 34.4	1.610	2.564	9.3	19.9
9 8	23 29.72	+ 8 9.1	1.568	2.555	5.9	19.7
9 18	23 22.12	+ 7 27.7	1.551	2.546	4.2	19.6
9 28	23 14.89	+ 6 35.9	1.561	2.537	6.4	19.7
10 8	23 8.98	+ 5 40.8	1.595	2.530	10.1	19.9
10 18	23 5.11	+ 4 49.3	1.653	2.523	13.6	20.1

330437 2007 DT_{39} 9 13.3 89°.77 5°.1/18.9 18

8 9	23 48.79	+13 24.3	2.233	3.010	14.4	20.9
8 19	23 44.04	+13 43.6	2.157	3.019	11.9	20.7
8 29	23 37.58	+13 44.5	2.103	3.029	9.1	20.5
9 8	23 29.98	+13 27.1	2.072	3.039	6.5	20.4
9 18	23 21.94	+12 53.2	2.068	3.048	5.1	20.3
9 28	23 14.31	+12 6.9	2.092	3.058	6.1	20.4
10 8	23 7.85	+11 14.1	2.143	3.067	8.5	20.6
10 18	23 3.13	+10 20.6	2.219	3.076	11.1	20.8

218398 2004 QY 9 13.3 357°.02 4°.6/17.8 18

8 9	23 47.24	+10 4.3	1.926	2.734	15.3	19.3
8 19	23 43.19	+10 25.3	1.845	2.732	12.5	19.1
8 29	23 37.21	+10 27.8	1.786	2.730	9.3	18.9
9 8	23 29.88	+10 12.1	1.750	2.729	6.2	18.7
9 18	23 22.00	+ 9 40.5	1.740	2.729	4.6	18.6
9 28	23 14.51	+ 8 57.3	1.756	2.729	6.3	18.7
10 8	23 8.29	+ 8 9.1	1.799	2.729	9.4	18.9
10 18	23 4.00	+ 7 22.1	1.865	2.730	12.6	19.1

411830 2012 DL_{47} 9 13.3 46°.50 3°.8/ 8.5 18

8 9	23 44.30	−10 32.2	2.079	2.957	11.7	20.3
8 19	23 40.75	−12 7.1	2.022	2.964	8.6	20.1
8 29	23 35.55	−13 47.7	1.989	2.971	5.5	19.9
9 8	23 29.26	−15 26.4	1.983	2.978	3.8	19.8
9 18	23 22.59	−16 55.5	2.006	2.985	5.3	19.9
9 28	23 16.36	−18 8.6	2.056	2.993	8.2	20.1
10 8	23 11.29	−19 1.5	2.131	3.001	11.2	20.3
10 18	23 7.92	−19 33.0	2.229	3.008	13.8	20.5

260847 2005 QY_{64} 9 13.3 59°.69 2°.8/10.9 17

8 9	23 49.29	− 5 40.8	1.327	2.209	16.7	20.2
8 19	23 45.09	− 6 56.5	1.284	2.228	12.3	20.0
8 29	23 38.46	− 8 24.0	1.262	2.248	7.5	19.8
9 8	23 30.29	− 9 53.9	1.264	2.267	3.2	19.6
9 18	23 21.74	−11 16.0	1.292	2.287	4.7	19.8
9 28	23 14.07	−12 21.2	1.345	2.307	9.2	20.1
10 8	23 8.30	−13 4.2	1.421	2.327	13.4	20.4
10 18	23 5.03	−13 23.5	1.518	2.347	16.9	20.7

432735 2011 DU_{22} 9 13.3 27°.17 2°.2/11.7 18

8 9	23 50.34	− 6 44.3	1.308	2.192	16.8	20.3
8 19	23 46.06	− 7 13.6	1.254	2.198	12.6	20.0
8 29	23 39.18	− 7 52.9	1.220	2.206	7.7	19.8
9 8	23 30.59	− 8 35.3	1.210	2.213	3.0	19.5
9 18	23 21.46	− 9 13.3	1.224	2.222	4.1	19.6
9 28	23 13.15	− 9 39.6	1.263	2.231	8.8	19.9
10 8	23 6.78	− 9 49.8	1.325	2.241	13.3	20.2
10 18	23 3.07	− 9 42.2	1.408	2.251	17.1	20.5

355686 2008 FH_{12} 9 13.3 134°.84 0°.9/14.1 18

8 9	23 50.87	− 0 18.8	2.153	2.992	12.9	21.4
8 19	23 45.60	− 0 19.0	2.077	2.995	9.8	21.2
8 29	23 38.56	− 0 29.4	2.025	2.997	6.3	21.0
9 8	23 30.33	− 0 47.5	1.999	3.000	2.6	20.8
9 18	23 21.66	− 1 9.9	2.001	3.003	1.8	20.7
9 28	23 13.42	− 1 32.5	2.032	3.005	5.5	21.0
10 8	23 6.41	− 1 51.1	2.090	3.008	9.0	21.2
10 18	23 1.20	− 2 2.6	2.172	3.010	12.1	21.4

356423 2010 VG_{61} 9 13.3 265°.71 0°.7/11.9 18

8 9	23 40.55	− 6 3.7	4.523	5.370	6.5	21.3
8 19	23 37.14	− 6 26.2	4.438	5.364	4.8	21.2
8 29	23 32.97	− 6 52.2	4.379	5.358	2.9	21.1
9 8	23 28.31	− 7 19.5	4.348	5.352	1.1	20.9
9 18	23 23.46	− 7 46.2	4.348	5.345	1.4	20.9
9 28	23 18.76	− 8 10.3	4.377	5.339	3.3	21.1
10 8	23 14.54	− 8 29.7	4.436	5.333	5.2	21.2
10 18	23 11.08	− 8 43.2	4.520	5.327	6.8	21.3

332785 2009 VG_{68} 9 13.3 49°.46 1°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.75	+ 1 37.8	1.461	2.318	16.9	20.4
8 19	23 45.43	+ 1 21.1	1.399	2.325	13.0	20.2
8 29	23 38.74	+ 0 46.8	1.357	2.332	8.4	20.0
9 8	23 30.44	− 0 1.0	1.339	2.340	3.5	19.7
9 18	23 21.59	− 0 56.1	1.346	2.348	2.3	19.7
9 28	23 13.42	− 1 50.5	1.379	2.356	7.0	20.0
10 8	23 6.98	− 2 37.1	1.437	2.365	11.5	20.3
10 18	23 2.96	− 3 10.5	1.517	2.374	15.4	20.5

1368 Numidia 9 13.3 57°.28 5°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.62	−16 49.2	1.553	2.428	15.1	14.6
8 19	23 51.19	−17 13.5	1.497	2.434	11.5	14.4
8 29	23 42.22	−17 35.6	1.464	2.440	7.8	14.2
9 8	23 31.63	−17 48.2	1.455	2.446	5.5	14.1
9 18	23 20.61	−17 45.5	1.473	2.452	6.8	14.2
9 28	23 10.47	−17 24.0	1.517	2.458	10.2	14.4
10 8	23 2.32	−16 43.5	1.584	2.465	13.7	14.7
10 18	22 56.82	−15 46.2	1.673	2.471	16.9	14.9

407959 2012 DQ_{18} 9 13.3 119°.13 2°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.17	− 6 41.6	2.359	3.222	11.1	21.6
8 19	23 41.22	− 7 45.6	2.291	3.226	8.2	21.4
8 29	23 35.78	− 8 57.1	2.248	3.230	5.0	21.2
9 8	23 29.35	−10 10.5	2.232	3.234	2.2	21.0
9 18	23 22.57	−11 20.3	2.245	3.238	3.3	21.1
9 28	23 16.16	−12 20.8	2.287	3.242	6.4	21.3
10 8	23 10.78	−13 8.1	2.355	3.245	9.4	21.5
10 18	23 6.92	−13 39.8	2.447	3.249	12.0	21.7

254540 2005 EK_{175} 9 13.3 2°.62 2°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.96	+ 6 18.8	1.121	1.988	20.3	19.9
8 19	23 41.74	+ 5 52.6	1.058	1.986	16.0	19.7
8 29	23 36.77	+ 4 57.2	1.013	1.986	10.9	19.4
9 8	23 29.83	+ 3 36.5	0.988	1.986	5.5	19.1
9 18	23 22.13	+ 1 59.1	0.986	1.988	3.2	19.0
9 28	23 15.11	+ 0 17.5	1.007	1.990	7.9	19.3
10 8	23 10.07	− 1 15.1	1.051	1.993	13.2	19.6
10 18	23 7.83	− 2 29.1	1.115	1.998	17.8	19.9

41596 2000 SW_{67} 9 13.3 207°.30 0°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.19	+ 3 24.5	1.939	2.776	14.1	19.6
8 19	23 43.12	+ 2 26.7	1.857	2.773	10.9	19.3
8 29	23 37.16	+ 1 10.6	1.797	2.769	7.0	19.1
9 8	23 29.89	− 0 19.3	1.764	2.765	2.9	18.8
9 18	23 22.09	− 1 56.2	1.759	2.761	1.9	18.8
9 28	23 14.68	− 3 31.9	1.782	2.756	6.1	19.0
10 8	23 8.51	− 4 58.7	1.833	2.751	10.0	19.3
10 18	23 4.23	− 6 10.5	1.907	2.746	13.5	19.5

36587 2000 QM_{128} 9 13.3 267°.49 6°.7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.56	−22 59.8	2.232	3.102	11.3	18.1
8 19	23 45.49	−24 1.4	2.165	3.091	9.1	17.9
8 29	23 38.56	−24 58.6	2.122	3.080	7.2	17.8
9 8	23 30.37	−25 44.5	2.106	3.068	6.7	17.8
9 18	23 21.71	−26 13.2	2.116	3.057	7.9	17.8
9 28	23 13.50	−26 21.0	2.152	3.045	10.2	17.9
10 8	23 6.57	−26 6.8	2.211	3.034	12.6	18.1
10 18	23 1.53	−25 32.0	2.291	3.022	14.8	18.2

494344 2016 TU_{48} 9 13.3 17°.93 9°.2/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.21	−22 32.2	1.236	2.134	16.7	19.9
8 19	23 46.86	−23 33.5	1.199	2.142	13.2	19.7
8 29	23 39.69	−24 26.2	1.182	2.151	10.3	19.6
9 8	23 30.77	−24 59.6	1.187	2.161	9.2	19.6
9 18	23 21.45	−25 5.9	1.214	2.172	10.7	19.7
9 28	23 13.21	−24 41.8	1.264	2.184	13.7	19.9
10 8	23 7.20	−23 48.9	1.334	2.198	16.9	20.1
10 18	23 4.04	−22 32.3	1.422	2.212	19.7	20.4

328482 2009 KK_{20} 9 13.3 294°.64 3°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.21	− 6 41.2	1.325	2.210	16.6	20.9
8 19	23 45.56	− 7 37.0	1.248	2.194	12.5	20.6
8 29	23 39.17	− 8 46.8	1.192	2.178	7.8	20.3
9 8	23 30.73	−10 2.5	1.159	2.162	3.4	20.0
9 18	23 21.35	−11 14.4	1.150	2.146	5.0	20.1
9 28	23 12.45	−12 12.2	1.167	2.130	10.0	20.3
10 8	23 5.39	−12 48.6	1.205	2.114	14.9	20.6
10 18	23 1.08	−13 0.7	1.263	2.099	19.2	20.8

312624 2009 SB_{355} 9 13.3 304°.40 1°.5/16.1 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.69	+ 5 18.6	4.074	4.880	7.9	21.1
8 19	23 37.37	+ 5 7.9	3.976	4.869	6.2	20.9
8 29	23 33.19	+ 4 49.1	3.903	4.859	4.3	20.8
9 8	23 28.43	+ 4 23.4	3.857	4.849	2.4	20.6
9 18	23 23.44	+ 3 52.7	3.840	4.838	1.6	20.5
9 28	23 18.59	+ 3 19.3	3.853	4.828	3.1	20.7
10 8	23 14.26	+ 2 45.7	3.896	4.818	5.1	20.8
10 18	23 10.77	+ 2 14.5	3.965	4.808	7.0	20.9

149404 2003 AL_{55} 9 13.3 177°.65 1°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.52	+ 1 54.0	1.827	2.664	14.9	20.1
8 19	23 47.19	+ 1 48.2	1.750	2.665	11.5	19.9
8 29	23 39.74	+ 1 28.2	1.696	2.666	7.6	19.6
9 8	23 30.82	+ 0 56.5	1.667	2.666	3.4	19.4
9 18	23 21.33	+ 0 17.6	1.665	2.667	2.2	19.3
9 28	23 12.33	− 0 22.9	1.691	2.666	6.2	19.6
10 8	23 4.79	− 0 59.3	1.744	2.666	10.2	19.8
10 18	22 59.39	− 1 26.8	1.820	2.665	13.8	20.0

254470 2005 EN_{4} 9 13.3 162°.60 0°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.21	− 3 57.0	1.738	2.592	14.8	21.1
8 19	23 49.24	− 4 20.5	1.669	2.597	11.1	20.9
8 29	23 41.01	− 4 54.3	1.623	2.602	6.9	20.6
9 8	23 31.27	− 5 33.8	1.602	2.606	2.4	20.4
9 18	23 20.99	− 6 13.2	1.610	2.610	2.7	20.4
9 28	23 11.32	− 6 46.6	1.645	2.613	7.1	20.7
10 8	23 3.28	− 7 9.2	1.706	2.615	11.3	20.9
10 18	22 57.55	− 7 18.4	1.790	2.617	14.8	21.2

125975 2001 YD_{19} 9 13.3 310°.48 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.22	+ 0 2.5	1.977	2.825	13.5	20.4
8 19	23 43.11	− 0 18.7	1.896	2.819	10.3	20.2
8 29	23 37.16	− 0 52.7	1.838	2.813	6.6	20.0
9 8	23 29.92	− 1 36.1	1.805	2.807	2.5	19.7
9 18	23 22.16	− 2 24.1	1.799	2.802	1.8	19.6
9 28	23 14.77	− 3 11.1	1.822	2.796	5.9	19.9
10 8	23 8.61	− 3 51.6	1.870	2.791	9.8	20.1
10 18	23 4.29	− 4 21.4	1.942	2.785	13.1	20.3

434253 2003 UZ_{76} 9 13.3 10°.14 10°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.62	+20 43.8	1.164	1.967	23.6	19.2
8 19	23 39.25	+21 28.7	1.106	1.971	20.5	19.0
8 29	23 35.22	+21 35.0	1.061	1.977	16.9	18.8
9 8	23 29.32	+20 59.7	1.034	1.984	13.5	18.6
9 18	23 22.69	+19 44.5	1.027	1.994	11.0	18.5
9 28	23 16.73	+17 57.7	1.040	2.005	10.8	18.6
10 8	23 12.70	+15 53.8	1.075	2.017	13.0	18.7
10 18	23 11.37	+13 48.0	1.131	2.032	16.2	19.0

188168 2002 GL_{151} 9 13.3 302°.31 1°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+ 3 9.6	2.160	2.997	12.9	20.1
8 19	23 41.05	+ 2 28.8	2.076	2.991	9.9	19.9
8 29	23 35.81	+ 1 32.6	2.016	2.986	6.5	19.7
9 8	23 29.43	+ 0 24.7	1.981	2.981	2.8	19.5
9 18	23 22.60	− 0 49.8	1.974	2.976	1.7	19.4
9 28	23 16.09	− 2 4.7	1.996	2.972	5.4	19.6
10 8	23 10.67	− 3 13.6	2.045	2.967	9.0	19.8
10 18	23 6.88	− 4 11.4	2.118	2.962	12.1	20.0

479007 2012 XN_{146} 9 13.3 300°.83 5°.0/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.82	−12 33.5	1.612	2.497	14.2	21.8
8 19	23 45.00	−13 41.3	1.523	2.467	10.8	21.6
8 29	23 38.72	−14 56.5	1.456	2.438	7.2	21.3
9 8	23 30.59	−16 11.0	1.414	2.409	5.0	21.1
9 18	23 21.53	−17 15.3	1.398	2.380	6.8	21.1
9 28	23 12.77	−18 1.1	1.408	2.351	10.7	21.3
10 8	23 5.49	−18 22.9	1.440	2.322	14.7	21.4
10 18	23 0.61	−18 19.2	1.491	2.293	18.4	21.6

7707 Yes 9 13.3 124°.96 4°.8/ 7.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.63	−13 24.6	1.991	2.867	12.3	18.1
8 19	23 44.06	−15 1.6	1.939	2.878	9.1	17.9
8 29	23 37.67	−16 41.6	1.911	2.889	6.2	17.8
9 8	23 30.09	−18 16.3	1.911	2.900	4.8	17.7
9 18	23 22.12	−19 37.9	1.939	2.910	6.3	17.8
9 28	23 14.69	−20 40.2	1.994	2.920	9.1	18.0
10 8	23 8.58	−21 20.1	2.074	2.929	12.0	18.2
10 18	23 4.37	−21 37.3	2.174	2.938	14.5	18.4

586 Thekla 9 13.3 234°.41 0°.6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.82	+ 0 43.2	2.336	3.174	12.0	14.3
8 19	23 42.55	+ 0 18.1	2.252	3.169	9.2	14.1
8 29	23 36.69	− 0 18.7	2.192	3.165	5.9	13.9
9 8	23 29.76	− 1 4.0	2.158	3.160	2.4	13.6
9 18	23 22.39	− 1 53.7	2.153	3.155	1.6	13.6
9 28	23 15.34	− 2 42.9	2.177	3.150	5.2	13.8
10 8	23 9.32	− 3 26.7	2.228	3.145	8.6	14.0
10 18	23 4.88	− 4 1.4	2.303	3.140	11.5	14.2

304295 2006 SM_{85} 9 13.3 337°.40 0°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.72	− 3 48.0	1.758	2.623	14.1	20.5
8 19	23 43.68	− 4 18.7	1.684	2.619	10.6	20.3
8 29	23 37.61	− 5 0.5	1.633	2.615	6.6	20.0
9 8	23 30.12	− 5 48.6	1.606	2.611	2.2	19.8
9 18	23 22.08	− 6 37.1	1.607	2.607	2.7	19.8
9 28	23 14.51	− 7 19.6	1.634	2.604	7.0	20.1
10 8	23 8.33	− 7 50.7	1.687	2.601	11.0	20.3
10 18	23 4.20	− 8 7.3	1.761	2.598	14.5	20.5

112883 2002 QJ_{43} 9 13.3 17°.26 6°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.28	−12 27.6	1.098	2.006	17.5	18.6
8 19	23 43.47	−14 3.9	1.054	2.010	13.1	18.4
8 29	23 37.81	−15 46.6	1.029	2.015	8.7	18.2
9 8	23 30.23	−17 22.7	1.026	2.021	6.4	18.1
9 18	23 22.04	−18 39.4	1.047	2.028	8.6	18.2
9 28	23 14.76	−19 27.1	1.089	2.036	12.7	18.5
10 8	23 9.61	−19 42.3	1.152	2.044	16.9	18.8
10 18	23 7.31	−19 26.7	1.232	2.054	20.4	19.0

223310 2003 OK_{17} 9 13.3 0°.07 2°.6/15.8 18

8 9	23 48.50	+ 4 26.1	2.032	2.860	13.9	19.5
8 19	23 44.02	+ 4 37.9	1.953	2.859	10.9	19.3
8 29	23 37.71	+ 4 35.8	1.897	2.859	7.5	19.1
9 8	23 30.14	+ 4 21.3	1.865	2.859	4.1	18.9
9 18	23 22.08	+ 3 57.2	1.860	2.859	2.7	18.8
9 28	23 14.40	+ 3 27.9	1.883	2.859	5.6	19.0
10 8	23 7.95	+ 2 58.4	1.933	2.860	9.1	19.2
10 18	23 3.34	+ 2 33.2	2.006	2.861	12.3	19.4

67920 2000 WB_{113} 9 13.3 208°.18 6°.5/20.2 18

8 9	23 50.29	+16 53.0	2.119	2.876	15.7	19.3
8 19	23 45.47	+17 16.8	2.028	2.872	13.3	19.1
8 29	23 38.70	+17 19.2	1.958	2.867	10.6	18.9
9 8	23 30.52	+16 59.0	1.910	2.863	8.0	18.8
9 18	23 21.72	+16 17.3	1.888	2.857	6.5	18.7
9 28	23 13.24	+15 18.0	1.893	2.852	7.2	18.7
10 8	23 5.98	+14 7.9	1.925	2.846	9.5	18.8
10 18	23 0.63	+12 54.5	1.981	2.840	12.2	19.0

131589 2001 WW_{35} 9 13.3 314°.26 2°.2/11.7 18

8 9	23 47.51	− 4 34.6	1.142	2.033	18.2	20.1
8 19	23 44.63	− 5 23.7	1.069	2.018	13.8	19.8
8 29	23 38.78	− 6 30.7	1.015	2.002	8.5	19.4
9 8	23 30.68	− 7 47.8	0.983	1.988	3.2	19.1
9 18	23 21.56	− 9 4.5	0.974	1.973	4.5	19.1
9 28	23 12.98	−10 8.9	0.989	1.960	10.2	19.4
10 8	23 6.42	−10 52.0	1.025	1.947	15.7	19.7
10 18	23 2.88	−11 9.5	1.079	1.934	20.3	19.9

7852 Itsukushima 9 13.3 209°.90 2°.6/11.0 18

8 9	23 50.95	− 7 27.0	1.674	2.545	14.4	17.5
8 19	23 46.21	− 8 17.9	1.604	2.542	10.8	17.2
8 29	23 39.23	− 9 17.9	1.557	2.540	6.7	17.0
9 8	23 30.72	−10 20.4	1.535	2.537	3.0	16.8
9 18	23 21.61	−11 17.8	1.540	2.534	4.2	16.8
9 28	23 13.04	−12 3.2	1.572	2.531	8.3	17.1
10 8	23 6.03	−12 31.6	1.629	2.528	12.3	17.3
10 18	23 1.28	−12 41.1	1.707	2.524	15.8	17.5

301754 2010 JQ_{29} 9 13.3 74°.16 0°.2/13.1 16

8 9	23 46.74	+ 0 52.1	1.808	2.660	14.4	20.8
8 19	23 42.71	− 0 19.9	1.752	2.678	10.8	20.6
8 29	23 36.85	− 1 47.4	1.719	2.697	6.7	20.4
9 8	23 29.81	− 3 24.2	1.712	2.715	2.3	20.2
9 18	23 22.43	− 5 2.3	1.732	2.734	2.2	20.2
9 28	23 15.62	− 6 33.3	1.781	2.752	6.4	20.5
10 8	23 10.19	− 7 50.4	1.857	2.771	10.2	20.8
10 18	23 6.66	− 8 49.5	1.955	2.789	13.4	21.1

386734 2010 AM_{45} 9 13.3 297°.70 2°.1/14.9 18

8 9	23 49.95	+ 2 37.6	1.541	2.390	16.6	20.8
8 19	23 45.85	+ 2 40.0	1.452	2.373	13.0	20.5
8 29	23 39.27	+ 2 25.2	1.384	2.355	8.8	20.3
9 8	23 30.82	+ 1 55.3	1.339	2.338	4.2	20.0
9 18	23 21.46	+ 1 14.5	1.319	2.321	2.7	19.8
9 28	23 12.44	+ 0 29.3	1.326	2.304	7.1	20.0
10 8	23 4.98	− 0 12.8	1.357	2.287	11.9	20.3
10 18	22 59.97	− 0 45.4	1.409	2.271	16.1	20.5

243134 2007 RT_{298} 9 13.3 88°.13 4°.5/ 9.4 18

8 9	23 53.66	−14 38.5	1.837	2.709	13.3	20.3
8 19	23 47.83	−15 22.3	1.789	2.726	10.0	20.1
8 29	23 39.98	−16 6.3	1.765	2.742	6.6	19.9
9 8	23 30.90	−16 44.0	1.766	2.758	4.5	19.8
9 18	23 21.52	−17 9.6	1.795	2.774	5.8	19.9
9 28	23 12.88	−17 18.9	1.851	2.790	8.8	20.2
10 8	23 5.83	−17 10.5	1.931	2.806	11.9	20.4
10 18	23 0.95	−16 45.2	2.034	2.821	14.6	20.6

457899 2009 TJ_{33} 9 13.3 344°.10 7°.4/23.6 18

8 9	23 42.00	+23 44.6	1.994	2.724	17.4	20.6
8 19	23 39.38	+23 17.7	1.900	2.717	15.1	20.4
8 29	23 34.92	+22 19.5	1.824	2.711	12.5	20.2
9 8	23 29.19	+20 49.3	1.769	2.705	9.8	20.0
9 18	23 22.93	+18 49.6	1.738	2.700	7.8	19.9
9 28	23 17.05	+16 27.3	1.735	2.695	7.6	19.9
10 8	23 12.37	+13 53.3	1.759	2.691	9.5	20.0
10 18	23 9.53	+11 19.1	1.810	2.687	12.3	20.2

147855 2005 UO_{294} 9 13.3 236°.07 0°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.58	+ 0 32.5	2.353	3.190	12.0	20.9
8 19	23 43.13	+ 0 12.8	2.268	3.184	9.2	20.7
8 29	23 37.07	− 0 18.1	2.206	3.178	5.9	20.5
9 8	23 29.92	− 0 57.3	2.170	3.172	2.4	20.3
9 18	23 22.32	− 1 41.0	2.163	3.165	1.6	20.2
9 28	23 15.02	− 2 24.4	2.185	3.159	5.2	20.4
10 8	23 8.76	− 3 3.0	2.234	3.152	8.5	20.6
10 18	23 4.08	− 3 33.1	2.308	3.145	11.5	20.8

476881 2008 VJ_{43} 9 13.3 163°.98 5°.1/18.4 18

8 9	23 50.64	+12 18.8	1.994	2.782	15.6	22.1
8 19	23 45.73	+12 36.8	1.913	2.784	12.8	21.9
8 29	23 38.84	+12 35.0	1.853	2.786	9.7	21.7
9 8	23 30.58	+12 13.3	1.816	2.788	6.7	21.5
9 18	23 21.74	+11 33.9	1.806	2.790	5.1	21.4
9 28	23 13.32	+10 41.4	1.823	2.792	6.5	21.5
10 8	23 6.20	+ 9 42.6	1.866	2.793	9.4	21.7
10 18	23 1.07	+ 8 44.3	1.934	2.794	12.5	21.9

99072 2001 FO_{12} 9 13.3 221°.14 3°.1/10.5 18

8 9	23 53.23	−11 29.6	2.116	2.978	12.2	20.3
8 19	23 47.52	−12 0.9	2.038	2.971	9.1	20.1
8 29	23 39.89	−12 35.4	1.984	2.964	5.8	19.9
9 8	23 30.93	−13 8.1	1.958	2.956	3.2	19.7
9 18	23 21.46	−13 33.7	1.959	2.948	4.3	19.8
9 28	23 12.43	−13 47.9	1.989	2.939	7.6	20.0
10 8	23 4.70	−13 47.9	2.046	2.930	10.9	20.2
10 18	22 58.91	−13 33.1	2.125	2.921	13.8	20.4

142057 2002 QZ_{25} 9 13.3 73°.29 0°.8/13.9 15

8 9	23 55.24	− 0 19.2	1.375	2.232	17.8	20.7
8 19	23 49.50	− 0 27.1	1.327	2.254	13.5	20.5
8 29	23 41.24	− 0 50.3	1.299	2.276	8.5	20.2
9 8	23 31.38	− 1 24.3	1.295	2.297	3.3	20.0
9 18	23 21.14	− 2 3.0	1.316	2.319	2.3	20.0
9 28	23 11.85	− 2 39.4	1.364	2.340	7.3	20.4
10 8	23 4.57	− 3 7.3	1.437	2.361	11.8	20.7
10 18	22 59.96	− 3 22.8	1.531	2.382	15.6	21.0

295481 2008 QH_{37} 9 13.3 306°.21 0°.3/13.9 18

8 9	23 42.54	− 1 27.0	4.121	4.952	7.4	20.2
8 19	23 38.73	− 1 33.3	4.029	4.943	5.6	20.0
8 29	23 34.06	− 1 44.7	3.962	4.935	3.5	19.9
9 8	23 28.80	− 1 59.7	3.924	4.926	1.4	19.7
9 18	23 23.32	− 2 16.4	3.916	4.918	1.0	19.7
9 28	23 18.00	− 2 32.9	3.938	4.910	3.2	19.8
10 8	23 13.22	− 2 47.0	3.989	4.902	5.3	20.0
10 18	23 9.28	− 2 57.0	4.067	4.893	7.1	20.1

150249 1999 JY_{82} 9 13.3 62°.70 6°.0/ 7.8 18

8 9	23 50.74	−13 41.2	1.434	2.323	15.4	18.8
8 19	23 45.99	−15 26.8	1.406	2.351	11.4	18.6
8 29	23 38.96	−17 13.4	1.400	2.380	7.7	18.5
9 8	23 30.55	−18 49.8	1.419	2.408	6.0	18.4
9 18	23 21.90	−20 6.4	1.464	2.437	7.7	18.6
9 28	23 14.18	−20 56.8	1.534	2.465	10.9	18.9
10 8	23 8.34	−21 19.4	1.627	2.493	14.2	19.1
10 18	23 4.90	−21 16.1	1.739	2.521	16.9	19.4

293467 2007 ED_{211} 9 13.3 178°.81 2°.1/15.5 18

8 9	23 50.03	+ 3 33.8	2.290	3.112	12.8	20.5
8 19	23 44.98	+ 3 43.1	2.208	3.112	10.0	20.3
8 29	23 38.24	+ 3 40.4	2.149	3.112	6.8	20.1
9 8	23 30.34	+ 3 27.3	2.117	3.112	3.5	19.9
9 18	23 22.00	+ 3 6.5	2.112	3.112	2.3	19.8
9 28	23 14.01	+ 2 41.6	2.137	3.112	5.1	20.0
10 8	23 7.14	+ 2 17.1	2.189	3.112	8.4	20.2
10 18	23 1.95	+ 1 56.7	2.266	3.112	11.4	20.4

475121 2005 UT_{284} 9 13.3 13°.92 5°.6/ 8.1 18

8 9	23 48.82	−16 41.5	1.751	2.635	13.3	20.7
8 19	23 44.47	−17 38.7	1.696	2.638	10.1	20.5
8 29	23 38.06	−18 35.4	1.664	2.641	7.1	20.3
9 8	23 30.29	−19 24.0	1.658	2.644	5.6	20.3
9 18	23 22.09	−19 57.8	1.677	2.648	7.0	20.4
9 28	23 14.52	−20 12.0	1.721	2.652	9.9	20.5
10 8	23 8.46	−20 4.8	1.789	2.657	13.0	20.7
10 18	23 4.54	−19 37.2	1.877	2.662	15.8	21.0

182909 2002 ET_{90} 9 13.3 79°.51 1°.5/12.2 17

8 9	23 54.06	− 4 25.4	1.340	2.212	17.3	20.4
8 19	23 48.70	− 5 3.8	1.293	2.231	12.9	20.2
8 29	23 40.79	− 5 54.5	1.266	2.249	7.9	19.9
9 8	23 31.25	− 6 50.4	1.264	2.268	2.8	19.7
9 18	23 21.31	− 7 43.4	1.287	2.287	3.5	19.8
9 28	23 12.31	− 8 25.8	1.336	2.305	8.4	20.1
10 8	23 5.34	− 8 52.3	1.409	2.323	12.8	20.4
10 18	23 1.04	− 9 0.9	1.503	2.341	16.5	20.7

212212 2005 GP_{167} 9 13.3 333°.55 1°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.04	+ 3 49.7	1.779	2.621	15.1	20.8
8 19	23 43.20	+ 3 31.8	1.701	2.617	11.7	20.6
8 29	23 37.35	+ 2 56.7	1.644	2.613	7.9	20.3
9 8	23 30.08	+ 2 7.3	1.611	2.610	3.8	20.1
9 18	23 22.25	+ 1 8.6	1.605	2.607	2.3	20.0
9 28	23 14.83	+ 0 7.2	1.626	2.604	6.1	20.2
10 8	23 8.77	− 0 49.7	1.673	2.601	10.1	20.4
10 18	23 4.72	− 1 36.6	1.743	2.599	13.7	20.7

400608 2009 BL_{150} 9 13.3 122°.10 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.66	− 0 21.0	1.973	2.823	13.5	21.0
8 19	23 43.40	− 1 0.5	1.902	2.826	10.2	20.8
8 29	23 37.33	− 1 53.1	1.853	2.830	6.4	20.6
9 8	23 30.04	− 2 54.3	1.830	2.834	2.3	20.3
9 18	23 22.31	− 3 58.6	1.835	2.837	1.9	20.3
9 28	23 15.02	− 4 59.4	1.868	2.841	6.0	20.6
10 8	23 8.99	− 5 51.1	1.928	2.844	9.8	20.8
10 18	23 4.80	− 6 29.7	2.011	2.847	13.0	21.1

484911 2009 SW_{3} 9 13.4 6°.84 1°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.06	− 1 15.4	1.590	2.450	15.6	19.8
8 19	23 45.59	− 0 52.1	1.523	2.451	12.0	19.6
8 29	23 38.86	− 0 40.1	1.477	2.454	7.7	19.3
9 8	23 30.62	− 0 37.0	1.455	2.457	3.2	19.1
9 18	23 21.82	− 0 39.6	1.460	2.462	2.2	19.0
9 28	23 13.61	− 0 43.4	1.490	2.468	6.6	19.3
10 8	23 7.00	− 0 44.0	1.546	2.474	10.8	19.6
10 18	23 2.69	− 0 38.0	1.624	2.482	14.5	19.8

390080 2012 UM_{132} 9 13.4 311°.11 1°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.86	+ 0 48.1	1.667	2.513	15.7	20.4
8 19	23 47.74	+ 1 4.2	1.588	2.508	12.2	20.1
8 29	23 40.28	+ 1 7.3	1.531	2.503	8.0	19.9
9 8	23 31.15	+ 0 59.3	1.498	2.498	3.6	19.6
9 18	23 21.33	+ 0 43.6	1.491	2.493	2.4	19.5
9 28	23 11.99	+ 0 25.2	1.512	2.488	6.6	19.8
10 8	23 4.21	+ 0 9.4	1.558	2.484	11.0	20.0
10 18	22 58.77	+ 0 0.3	1.627	2.480	14.7	20.3

320224 2007 HS_{74} 9 13.4 118°.84 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	− 5 15.4	2.488	3.342	10.9	21.5
8 19	23 42.28	− 5 54.3	2.419	3.349	8.1	21.3
8 29	23 36.46	− 6 40.2	2.375	3.355	4.9	21.1
9 8	23 29.70	− 7 29.0	2.358	3.362	1.8	20.9
9 18	23 22.63	− 8 16.3	2.370	3.368	2.4	21.0
9 28	23 15.93	− 8 57.6	2.411	3.374	5.6	21.2
10 8	23 10.23	− 9 29.4	2.479	3.380	8.6	21.4
10 18	23 6.00	− 9 49.4	2.572	3.386	11.2	21.6

97689 2000 GE_{26} 9 13.4 248°.42 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.47	− 6 18.4	2.574	3.428	10.6	20.2
8 19	23 42.93	− 6 46.8	2.490	3.420	7.9	20.0
8 29	23 36.91	− 7 21.2	2.431	3.411	4.8	19.8
9 8	23 29.89	− 7 58.2	2.399	3.402	1.8	19.6
9 18	23 22.46	− 8 33.7	2.396	3.393	2.5	19.6
9 28	23 15.32	− 9 3.7	2.422	3.384	5.6	19.8
10 8	23 9.14	− 9 24.8	2.475	3.375	8.6	20.0
10 18	23 4.41	− 9 35.0	2.553	3.366	11.3	20.2

20152 1996 TQ_{7} 9 13.4 158°.92 3°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.89	− 9 5.6	1.549	2.426	15.1	19.2
8 19	23 47.04	−10 10.9	1.488	2.429	11.2	19.0
8 29	23 39.80	−11 24.6	1.448	2.432	7.0	18.8
9 8	23 30.96	−12 38.4	1.434	2.434	3.8	18.6
9 18	23 21.55	−13 43.5	1.447	2.436	5.3	18.7
9 28	23 12.79	−14 32.2	1.485	2.438	9.3	18.9
10 8	23 5.76	−15 0.1	1.548	2.440	13.3	19.2
10 18	23 1.14	−15 6.0	1.631	2.441	16.7	19.4

243527 2010 DZ_{42} 9 13.4 139°.93 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.58	+ 0 0.6	2.129	2.966	13.1	21.2
8 19	23 46.16	− 0 16.6	2.059	2.975	10.0	21.0
8 29	23 38.97	− 0 45.1	2.012	2.985	6.4	20.8
9 8	23 30.61	− 1 21.7	1.992	2.994	2.5	20.5
9 18	23 21.86	− 2 2.1	2.000	3.002	1.7	20.5
9 28	23 13.59	− 2 41.3	2.037	3.010	5.6	20.8
10 8	23 6.58	− 3 14.6	2.102	3.018	9.1	21.0
10 18	23 1.40	− 3 38.8	2.191	3.025	12.2	21.2

60088 1999 TR_{153} 9 13.4 256°.11 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.39	− 5 34.9	2.565	3.418	10.6	19.9
8 19	23 42.95	− 6 14.2	2.471	3.400	8.0	19.7
8 29	23 36.98	− 7 1.0	2.402	3.382	4.9	19.5
9 8	23 29.94	− 7 51.5	2.360	3.363	1.8	19.2
9 18	23 22.42	− 8 41.3	2.347	3.344	2.5	19.2
9 28	23 15.13	− 9 25.5	2.363	3.325	5.8	19.4
10 8	23 8.75	−10 0.3	2.407	3.305	8.9	19.6
10 18	23 3.84	−10 23.0	2.476	3.285	11.7	19.8

314466 2005 WR_{58} 9 13.4 303°.67 4°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.81	+10 56.3	2.259	3.051	13.9	20.6
8 19	23 43.43	+11 11.0	2.173	3.048	11.3	20.4
8 29	23 37.35	+11 9.0	2.108	3.046	8.5	20.2
9 8	23 30.08	+10 50.5	2.067	3.043	5.7	20.1
9 18	23 22.31	+10 17.4	2.053	3.040	4.3	20.0
9 28	23 14.85	+ 9 33.9	2.067	3.038	5.7	20.0
10 8	23 8.49	+ 8 45.2	2.108	3.035	8.5	20.2
10 18	23 3.80	+ 7 57.0	2.174	3.033	11.3	20.4

471808 2012 VJ_{105} 9 13.4 23°.88 5°.0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.11	−13 56.6	1.490	2.376	15.0	20.8
8 19	23 46.48	−14 44.4	1.436	2.380	11.3	20.6
8 29	23 39.44	−15 34.2	1.404	2.385	7.5	20.4
9 8	23 30.82	−16 18.0	1.396	2.390	5.1	20.2
9 18	23 21.72	−16 48.2	1.414	2.396	6.5	20.3
9 28	23 13.38	−16 59.5	1.456	2.402	10.1	20.6
10 8	23 6.83	−16 49.6	1.522	2.409	13.8	20.8
10 18	23 2.76	−16 19.4	1.607	2.416	17.0	21.0

396459 2014 FR_{19} 9 13.4 32°.42 11°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.56	−28 25.0	1.400	2.290	15.5	18.7
8 19	23 44.68	−30 23.5	1.384	2.310	13.1	18.6
8 29	23 38.29	−32 6.0	1.389	2.331	11.6	18.6
9 8	23 30.37	−33 21.0	1.416	2.353	11.7	18.6
9 18	23 22.17	−34 1.4	1.466	2.376	13.1	18.8
9 28	23 14.99	−34 4.7	1.536	2.399	15.3	19.0
10 8	23 9.81	−33 33.9	1.625	2.423	17.4	19.2
10 18	23 7.19	−32 34.6	1.731	2.448	19.3	19.4

521415 2015 MO_{146} 9 13.4 357°.41 1°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.95	+ 0 52.4	1.707	2.558	15.2	21.4
8 19	23 44.69	+ 0 47.1	1.633	2.556	11.7	21.2
8 29	23 38.30	+ 0 27.5	1.581	2.555	7.6	21.0
9 8	23 30.44	− 0 3.2	1.554	2.555	3.2	20.7
9 18	23 22.01	− 0 40.5	1.552	2.555	2.1	20.6
9 28	23 14.07	− 1 18.5	1.578	2.555	6.4	20.9
10 8	23 7.59	− 1 51.2	1.629	2.555	10.5	21.2
10 18	23 3.25	− 2 14.1	1.702	2.556	14.2	21.4

520896 2014 WA_{527} 9 13.4 225°.95 0°.7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.80	− 3 34.7	1.549	2.410	15.9	22.0
8 19	23 48.60	− 3 55.8	1.473	2.405	12.0	21.8
8 29	23 40.89	− 4 29.1	1.419	2.400	7.5	21.5
9 8	23 31.40	− 5 9.7	1.390	2.394	2.6	21.2
9 18	23 21.17	− 5 51.5	1.387	2.388	2.8	21.2
9 28	23 11.49	− 6 27.5	1.411	2.381	7.8	21.5
10 8	23 3.52	− 6 51.9	1.459	2.375	12.3	21.7
10 18	22 58.07	− 7 1.4	1.530	2.368	16.3	22.0

342220 2008 SQ_{258} 9 13.4 294°.74 8°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.25	+17 52.9	1.721	2.492	18.3	20.7
8 19	23 44.63	+18 30.1	1.616	2.467	15.8	20.5
8 29	23 38.60	+18 42.1	1.529	2.441	12.9	20.2
9 8	23 30.68	+18 25.6	1.464	2.415	10.1	20.0
9 18	23 21.71	+17 39.9	1.421	2.389	8.4	19.8
9 28	23 12.88	+16 28.4	1.403	2.363	9.0	19.8
10 8	23 5.41	+14 59.5	1.410	2.338	11.7	19.9
10 18	23 0.25	+13 23.7	1.439	2.312	15.1	20.0

253585 2003 SJ_{359} 9 13.4 264°.16 0°.3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.39	− 0 31.4	1.547	2.405	16.1	21.7
8 19	23 46.93	− 0 56.2	1.461	2.389	12.4	21.5
8 29	23 39.96	− 1 37.2	1.396	2.374	7.9	21.2
9 8	23 31.12	− 2 30.4	1.354	2.358	2.9	20.8
9 18	23 21.39	− 3 29.6	1.339	2.341	2.4	20.7
9 28	23 12.04	− 4 26.7	1.350	2.325	7.6	21.0
10 8	23 4.28	− 5 14.0	1.387	2.308	12.4	21.3
10 18	22 58.99	− 5 46.4	1.444	2.291	16.6	21.5

67338 2000 JH_{12} 9 13.4 240°.99 2°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.68	− 7 39.5	1.814	2.680	13.7	19.8
8 19	23 46.75	− 8 27.5	1.732	2.668	10.3	19.6
8 29	23 39.63	− 9 24.4	1.673	2.655	6.4	19.3
9 8	23 30.94	−10 24.1	1.640	2.642	2.9	19.1
9 18	23 21.57	−11 19.6	1.635	2.628	4.1	19.1
9 28	23 12.60	−12 4.1	1.657	2.614	8.1	19.4
10 8	23 5.05	−12 32.8	1.704	2.600	12.1	19.6
10 18	22 59.66	−12 43.3	1.773	2.585	15.5	19.8

390545 2000 CE_{123} 9 13.4 163°.17 2°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.78	− 9 17.9	2.529	3.388	10.6	21.7
8 19	23 43.86	−10 20.3	2.462	3.395	7.8	21.6
8 29	23 37.46	−11 27.7	2.420	3.401	4.9	21.4
9 8	23 30.08	−12 34.8	2.407	3.406	2.6	21.3
9 18	23 22.37	−13 36.3	2.423	3.410	3.7	21.3
9 28	23 15.03	−14 27.4	2.468	3.414	6.5	21.5
10 8	23 8.72	−15 4.8	2.540	3.417	9.3	21.7
10 18	23 3.93	−15 27.0	2.636	3.420	11.8	21.9

207340 2005 JQ_2 9 13.4 198°.24 1°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.82	− 7 1.8	2.238	3.095	11.8	21.3
8 19	23 44.87	− 7 42.3	2.161	3.093	8.8	21.1
8 29	23 38.21	− 8 29.7	2.109	3.090	5.4	20.9
9 8	23 30.39	− 9 19.3	2.084	3.087	2.2	20.7
9 18	23 22.12	−10 5.9	2.088	3.083	3.1	20.8
9 28	23 14.24	−10 44.4	2.120	3.079	6.5	21.0
10 8	23 7.51	−11 11.1	2.179	3.075	9.8	21.2
10 18	23 2.50	−11 23.9	2.262	3.070	12.7	21.4

58841 1998 HT_{54} 9 13.4 240°.38 3°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.88	−11 40.0	1.915	2.779	13.2	18.0
8 19	23 49.01	−12 5.5	1.836	2.769	9.9	17.8
8 29	23 40.96	−12 34.3	1.780	2.760	6.3	17.5
9 8	23 31.40	−13 0.8	1.751	2.750	3.5	17.3
9 18	23 21.24	−13 19.6	1.750	2.739	4.6	17.4
9 28	23 11.55	−13 26.0	1.776	2.728	8.1	17.6
10 8	23 3.33	−13 17.5	1.828	2.717	11.8	17.8
10 18	22 57.27	−12 53.6	1.903	2.706	15.0	18.0

365958 2012 BZ_{16} 9 13.4 212°.71 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.65	− 4 40.9	2.511	3.362	10.9	21.9
8 19	23 43.09	− 5 13.9	2.430	3.357	8.1	21.7
8 29	23 37.03	− 5 54.3	2.374	3.353	5.0	21.5
9 8	23 29.96	− 6 38.5	2.344	3.348	1.8	21.3
9 18	23 22.49	− 7 22.3	2.344	3.343	2.2	21.3
9 28	23 15.34	− 8 1.2	2.373	3.338	5.5	21.5
10 8	23 9.17	− 8 31.4	2.429	3.332	8.6	21.7
10 18	23 4.48	− 8 50.6	2.510	3.327	11.3	21.9

478928 2012 XW_{10} 9 13.4 271°.91 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.35	− 0 34.7	1.833	2.686	14.2	21.9
8 19	23 44.23	− 1 7.9	1.747	2.674	10.8	21.6
8 29	23 38.05	− 1 55.5	1.683	2.661	6.9	21.4
9 8	23 30.40	− 2 53.3	1.645	2.648	2.5	21.1
9 18	23 22.09	− 3 55.6	1.633	2.635	2.1	21.0
9 28	23 14.13	− 4 55.4	1.649	2.622	6.6	21.3
10 8	23 7.48	− 5 46.2	1.691	2.609	10.8	21.5
10 18	23 2.85	− 6 23.3	1.756	2.596	14.4	21.7

201522 2003 QC_2 9 13.4 324°.34 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.57	− 1 18.3	1.530	2.397	15.8	20.4
8 19	23 43.96	− 1 42.6	1.453	2.386	12.0	20.1
8 29	23 38.03	− 2 22.1	1.395	2.376	7.6	19.8
9 8	23 30.42	− 3 12.3	1.362	2.366	2.7	19.5
9 18	23 22.08	− 4 6.9	1.354	2.357	2.4	19.5
9 28	23 14.20	− 4 58.1	1.373	2.348	7.4	19.8
10 8	23 7.87	− 5 39.1	1.415	2.339	12.0	20.0
10 18	23 3.87	− 6 5.0	1.479	2.331	16.0	20.3

4723 Wolfgangmattig 9 13.4 337°.35 1°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.37	− 5 19.8	1.373	2.256	16.3	17.1
8 19	23 44.06	− 5 40.0	1.298	2.242	12.3	16.9
8 29	23 38.21	− 6 11.9	1.244	2.229	7.6	16.6
9 8	23 30.51	− 6 50.0	1.213	2.217	2.7	16.2
9 18	23 22.02	− 7 27.6	1.206	2.206	3.4	16.3
9 28	23 14.03	− 7 56.9	1.224	2.196	8.5	16.5
10 8	23 7.77	− 8 12.3	1.265	2.187	13.3	16.8
10 18	23 4.06	− 8 10.6	1.326	2.179	17.4	17.0

425603 2010 UH_{48} 9 13.4 348°.31 4°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	+ 5 59.7	1.020	1.893	21.4	20.5
8 19	23 43.37	+ 6 28.8	0.954	1.884	17.2	20.2
8 29	23 38.11	+ 6 31.9	0.904	1.876	12.2	19.9
9 8	23 30.55	+ 6 9.4	0.874	1.869	7.1	19.6
9 18	23 21.97	+ 5 25.2	0.864	1.864	4.8	19.4
9 28	23 14.02	+ 4 28.5	0.877	1.860	8.7	19.7
10 8	23 8.23	+ 3 30.8	0.910	1.858	14.0	19.9
10 18	23 5.60	+ 2 42.2	0.961	1.857	18.8	20.2

42759 1998 SR_{73} 9 13.4 29°.90 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.95	+ 0 43.5	1.641	2.504	15.1	17.8
8 19	23 40.84	− 0 13.9	1.588	2.519	11.4	17.6
8 29	23 35.81	− 1 27.4	1.557	2.536	7.1	17.4
9 8	23 29.55	− 2 51.0	1.550	2.554	2.5	17.2
9 18	23 22.92	− 4 16.7	1.570	2.572	2.1	17.2
9 28	23 16.88	− 5 36.3	1.616	2.591	6.6	17.5
10 8	23 12.25	− 6 42.8	1.688	2.610	10.5	17.8
10 18	23 9.59	− 7 31.9	1.783	2.630	13.9	18.1

73232 2002 JC_{29} 9 13.4 86°.83 2°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.51	− 5 31.6	1.392	2.267	16.6	19.3
8 19	23 47.59	− 6 20.7	1.340	2.280	12.3	19.1
8 29	23 40.18	− 7 21.3	1.308	2.292	7.5	18.8
9 8	23 31.13	− 8 25.9	1.301	2.305	2.9	18.6
9 18	23 21.59	− 9 26.1	1.319	2.317	4.0	18.7
9 28	23 12.88	−10 13.7	1.364	2.329	8.6	19.0
10 8	23 6.07	−10 43.6	1.432	2.341	13.0	19.3
10 18	23 1.84	−10 53.7	1.521	2.353	16.6	19.6

25908 2001 BJ 9 13.4 230°.23 6°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.59	−19 26.2	1.992	2.870	12.2	19.0
8 19	23 45.04	−21 1.1	1.928	2.862	9.5	18.8
8 29	23 38.49	−22 35.2	1.888	2.854	7.3	18.7
9 8	23 30.55	−24 0.0	1.875	2.846	6.7	18.6
9 18	23 22.05	−25 7.4	1.889	2.837	8.2	18.7
9 28	23 14.00	−25 51.5	1.928	2.828	10.8	18.9
10 8	23 7.30	−26 10.3	1.990	2.819	13.5	19.0
10 18	23 2.61	−26 4.3	2.072	2.810	16.0	19.2

208857 2002 SC_{14} 9 13.4 27°.29 1°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.76	− 6 59.6	1.697	2.567	14.3	20.2
8 19	23 46.00	− 7 24.2	1.632	2.570	10.7	20.0
8 29	23 39.09	− 7 56.5	1.590	2.573	6.6	19.8
9 8	23 30.75	− 8 31.3	1.573	2.576	2.6	19.5
9 18	23 21.91	− 9 2.7	1.583	2.580	3.4	19.6
9 28	23 13.67	− 9 25.2	1.619	2.584	7.5	19.9
10 8	23 6.96	− 9 35.0	1.680	2.588	11.5	20.1
10 18	23 2.45	− 9 30.2	1.763	2.593	14.8	20.3

75897 2000 CL_{45} 9 13.4 29°.27 6°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.83	+13 59.6	1.882	2.664	16.6	18.9
8 19	23 46.07	+14 38.8	1.802	2.665	13.8	18.7
8 29	23 39.20	+14 57.3	1.742	2.666	10.8	18.5
9 8	23 30.83	+14 53.9	1.704	2.668	7.9	18.3
9 18	23 21.82	+14 29.5	1.692	2.669	6.4	18.3
9 28	23 13.21	+13 48.2	1.707	2.670	7.4	18.3
10 8	23 5.99	+12 56.7	1.747	2.672	10.0	18.5
10 18	23 0.87	+12 2.3	1.811	2.674	13.0	18.7

494296 2016 RT_{34} 9 13.4 20°.08 2°.3/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.65	+ 1 31.8	1.103	1.980	19.8	20.4
8 19	23 45.17	+ 1 51.8	1.056	1.991	15.3	20.2
8 29	23 38.88	+ 1 52.1	1.026	2.004	10.1	19.9
9 8	23 30.71	+ 1 36.0	1.017	2.018	4.7	19.7
9 18	23 21.99	+ 1 9.0	1.031	2.033	2.9	19.6
9 28	23 14.19	+ 0 38.9	1.069	2.050	7.8	20.0
10 8	23 8.54	+ 0 13.3	1.128	2.068	12.7	20.3
10 18	23 5.73	− 0 2.1	1.208	2.088	16.9	20.6

297212 2011 HJ_{52} 9 13.4 40°.42 6°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.88	−15 47.9	1.443	2.337	14.9	19.8
8 19	23 44.15	−17 31.4	1.399	2.346	11.3	19.6
8 29	23 38.05	−19 16.0	1.377	2.355	8.1	19.4
9 8	23 30.39	−20 50.6	1.380	2.364	6.8	19.4
9 18	23 22.26	−22 4.9	1.407	2.373	8.6	19.5
9 28	23 14.87	−22 51.9	1.459	2.383	11.9	19.7
10 8	23 9.26	−23 9.3	1.532	2.394	15.2	20.0
10 18	23 6.05	−22 58.7	1.624	2.404	18.0	20.2

135567 2002 GJ_{15} 9 13.4 60°.90 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.78	− 9 3.5	1.236	2.121	17.6	19.4
8 19	23 49.50	− 9 39.1	1.190	2.135	13.1	19.2
8 29	23 41.44	−10 22.1	1.164	2.149	8.1	19.0
9 8	23 31.58	−11 4.4	1.162	2.164	3.8	18.8
9 18	23 21.28	−11 37.9	1.184	2.178	5.1	18.9
9 28	23 12.00	−11 55.8	1.231	2.193	9.7	19.2
10 8	23 4.92	−11 54.9	1.300	2.209	14.1	19.5
10 18	23 0.71	−11 35.0	1.390	2.224	17.8	19.8

362572 2010 VZ_{90} 9 13.4 110°.84 4°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.10	+13 10.5	2.499	3.273	13.2	20.6
8 19	23 42.70	+13 13.1	2.421	3.282	10.8	20.5
8 29	23 36.80	+12 58.6	2.364	3.291	8.2	20.3
9 8	23 29.91	+12 27.6	2.331	3.300	5.7	20.2
9 18	23 22.65	+11 42.3	2.326	3.309	4.4	20.1
9 28	23 15.74	+10 47.0	2.349	3.317	5.3	20.2
10 8	23 9.83	+ 9 47.1	2.400	3.326	7.6	20.4
10 18	23 5.44	+ 8 47.8	2.477	3.334	10.1	20.5

217824 2001 FT_{76} 9 13.4 150°.98 1°.0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.33	− 2 35.4	1.841	2.694	14.1	20.7
8 19	23 46.27	− 3 32.8	1.775	2.703	10.6	20.5
8 29	23 39.20	− 4 42.8	1.731	2.711	6.5	20.3
9 8	23 30.79	− 5 59.5	1.715	2.719	2.2	20.0
9 18	23 21.92	− 7 15.8	1.726	2.725	2.7	20.1
9 28	23 13.59	− 8 24.2	1.765	2.731	6.9	20.3
10 8	23 6.70	− 9 19.0	1.831	2.737	10.8	20.6
10 18	23 1.86	− 9 56.7	1.920	2.742	14.1	20.8

260341 2004 TG_{243} 9 13.4 14°.59 6°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.84	+18 45.7	1.958	2.719	16.7	20.2
8 19	23 41.49	+18 54.9	1.879	2.722	14.2	20.0
8 29	23 36.28	+18 38.8	1.818	2.725	11.4	19.9
9 8	23 29.78	+17 57.0	1.778	2.728	8.8	19.7
9 18	23 22.76	+16 51.5	1.763	2.732	7.0	19.6
9 28	23 16.14	+15 27.7	1.775	2.736	7.3	19.7
10 8	23 10.77	+13 53.8	1.812	2.741	9.5	19.8
10 18	23 7.28	+12 18.5	1.873	2.745	12.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190633 2000 WH_{135}			9 13.4 309°.64	9°.2/ 5.9 18		
	h m	° ′			°	m
8 9	23 53.74	−23 57.9	1.518	2.401	15.0	18.6
8 19	23 48.86	−25 4.7	1.451	2.383	12.2	18.4
8 29	23 41.21	−26 5.3	1.405	2.365	9.9	18.3
9 8	23 31.61	−26 49.0	1.383	2.348	9.2	18.2
9 18	23 21.21	−27 7.1	1.384	2.331	10.8	18.2
9 28	23 11.47	−26 54.3	1.409	2.314	13.7	18.4
10 8	23 3.65	−26 10.5	1.455	2.298	16.9	18.5
10 18	22 58.59	−24 59.3	1.518	2.282	19.8	18.7
447743 2007 GR_{64}			9 13.4 262°.52	4°.1/ 8.9 18		
8 9	23 49.88	−15 37.3	2.342	3.211	10.9	21.2
8 19	23 44.87	−16 16.3	2.272	3.206	8.3	21.0
8 29	23 38.20	−16 55.5	2.227	3.202	5.6	20.8
9 8	23 30.43	−17 29.6	2.208	3.197	4.1	20.7
9 18	23 22.26	−17 53.8	2.218	3.193	5.2	20.8
9 28	23 14.50	−18 4.5	2.255	3.189	7.8	20.9
10 8	23 7.90	−17 59.7	2.318	3.184	10.5	21.1
10 18	23 2.99	−17 39.4	2.403	3.179	13.0	21.3
515701 2014 QD_{201}			9 13.4 151°.70	1°.6/15.5 18		
8 9	23 47.04	+ 4 7.3	2.744	3.560	11.1	21.7
8 19	23 42.51	+ 3 52.8	2.664	3.565	8.6	21.6
8 29	23 36.63	+ 3 27.1	2.608	3.570	5.8	21.4
9 8	23 29.87	+ 2 52.2	2.579	3.575	2.9	21.2
9 18	23 22.78	+ 2 11.0	2.579	3.579	1.8	21.1
9 28	23 15.99	+ 1 27.5	2.609	3.584	4.3	21.3
10 8	23 10.10	+ 0 45.8	2.666	3.588	7.2	21.5
10 18	23 5.57	+ 0 9.4	2.750	3.591	9.7	21.7
512884 2016 WV_{22}			9 13.4 6°.21	2°.0/15.4 18		
8 9	23 46.87	+ 4 34.8	1.769	2.608	15.2	21.2
8 19	23 43.09	+ 4 11.7	1.694	2.608	11.9	20.9
8 29	23 37.33	+ 3 30.4	1.640	2.608	8.0	20.7
9 8	23 30.18	+ 2 34.1	1.611	2.609	3.9	20.5
9 18	23 22.50	+ 1 28.0	1.608	2.610	2.3	20.4
9 28	23 15.27	+ 0 19.3	1.632	2.611	6.0	20.6
10 8	23 9.39	− 0 44.6	1.682	2.612	10.0	20.9
10 18	23 5.53	− 1 37.8	1.756	2.613	13.6	21.1
407221 2009 VQ_{85}			9 13.4 313°.31	0°.6/12.7 17		
8 9	23 45.68	− 2 56.9	2.233	3.088	11.9	21.3
8 19	23 41.85	− 3 31.5	2.151	3.080	9.0	21.1
8 29	23 36.39	− 4 16.0	2.093	3.073	5.6	20.9
9 8	23 29.83	− 5 6.5	2.062	3.066	1.9	20.6
9 18	23 22.80	− 5 58.1	2.058	3.058	2.1	20.6
9 28	23 16.11	− 6 45.6	2.082	3.051	5.8	20.9
10 8	23 10.46	− 7 24.3	2.133	3.045	9.2	21.1
10 18	23 6.41	− 7 51.0	2.208	3.038	12.2	21.3
226284 2003 BC_{17}			9 13.4 244°.25	4°.2/ 9.1 18		
8 9	23 49.61	−10 46.0	1.751	2.628	13.6	20.8
8 19	23 45.29	−12 5.3	1.677	2.618	10.2	20.6
8 29	23 38.79	−13 32.4	1.626	2.608	6.6	20.3
9 8	23 30.73	−14 59.0	1.601	2.597	4.2	20.2
9 18	23 22.02	−16 16.4	1.603	2.586	5.9	20.3
9 28	23 13.75	−17 16.7	1.632	2.575	9.5	20.4
10 8	23 6.92	−17 55.1	1.685	2.564	13.1	20.6
10 18	23 2.25	−18 10.0	1.759	2.552	16.4	20.8
98941 2001 CH_{20}			9 13.4 243°.22	7°.5/ 5.8 18		
8 9	23 53.26	−23 13.2	1.946	2.818	12.7	19.7
8 19	23 47.86	−24 24.0	1.882	2.809	10.2	19.6
8 29	23 40.29	−25 29.8	1.843	2.800	8.1	19.4
9 8	23 31.23	−26 22.4	1.828	2.790	7.6	19.4
9 18	23 21.63	−26 54.7	1.840	2.780	9.0	19.4
9 28	23 12.57	−27 2.3	1.877	2.770	11.4	19.6
10 8	23 5.04	−26 44.5	1.936	2.760	14.0	19.7
10 18	22 59.71	−26 3.5	2.015	2.750	16.4	19.9
202428 2005 WT_{175}			9 13.4 78°.13	4°.8/10.0 17		
8 9	23 54.40	−11 3.0	1.208	2.097	17.6	19.9
8 19	23 49.39	−12 3.2	1.160	2.107	13.1	19.7
8 29	23 41.48	−13 9.9	1.132	2.117	8.4	19.5
9 8	23 31.67	−14 12.7	1.128	2.127	4.9	19.3
9 18	23 21.32	−15 1.9	1.148	2.137	6.6	19.4
9 28	23 11.96	−15 29.7	1.192	2.147	11.0	19.7
10 8	23 4.83	−15 33.1	1.258	2.156	15.3	20.0
10 18	23 0.67	−15 12.8	1.343	2.166	19.0	20.3
146070 2000 GA_{87}			9 13.4 187°.95	1°.8/11.4 18		
8 9	23 51.40	− 5 54.1	2.175	3.029	12.2	20.8
8 19	23 46.14	− 6 51.5	2.099	3.028	9.1	20.6
8 29	23 39.08	− 7 57.6	2.047	3.027	5.6	20.4
9 8	23 30.79	− 9 7.1	2.022	3.025	2.3	20.2
9 18	23 22.02	−10 13.7	2.027	3.022	3.2	20.3
9 28	23 13.65	−11 11.5	2.061	3.018	6.8	20.5
10 8	23 6.48	−11 55.8	2.121	3.014	10.2	20.7
10 18	23 1.12	−12 24.2	2.206	3.008	13.2	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
64394 2001 UN_{152}			9 13.4 18°.41	2°.6/11.4 18		
	h m	° ′			°	m
8 9	23 45.74	− 5 29.7	1.093	1.991	18.3	18.3
8 19	23 43.06	− 6 22.7	1.046	1.998	13.6	18.1
8 29	23 37.61	− 7 30.0	1.018	2.007	8.3	17.8
9 8	23 30.33	− 8 42.2	1.012	2.017	3.3	17.6
9 18	23 22.47	− 9 48.9	1.030	2.028	4.6	17.7
9 28	23 15.49	−10 40.0	1.070	2.040	9.7	18.0
10 8	23 10.57	−11 9.3	1.131	2.053	14.5	18.3
10 18	23 8.41	−11 14.8	1.212	2.068	18.5	18.6
218207 2002 TA_{219}			9 13.4 19°.81	4°.4/15.9 18		
8 9	23 50.13	+ 3 58.7	0.976	1.852	21.9	19.1
8 19	23 46.66	+ 4 46.7	0.929	1.861	17.3	18.9
8 29	23 40.01	+ 5 11.4	0.899	1.872	12.0	18.7
9 8	23 31.21	+ 5 13.8	0.888	1.884	6.7	18.4
9 18	23 21.72	+ 4 57.8	0.898	1.898	4.5	18.4
9 28	23 13.26	+ 4 31.1	0.931	1.913	8.5	18.6
10 8	23 7.21	+ 4 3.1	0.985	1.930	13.5	19.0
10 18	23 4.36	+ 3 41.5	1.059	1.948	18.0	19.3
284250 2006 FT_{28}			9 13.4 96°.52	0°.6/14.0 18		
8 9	23 49.02	+ 1 5.5	1.822	2.668	14.5	21.6
8 19	23 44.56	+ 0 31.1	1.757	2.678	11.1	21.4
8 29	23 38.15	− 0 18.0	1.713	2.688	7.1	21.1
9 8	23 30.46	− 1 17.7	1.695	2.697	2.8	20.9
9 18	23 22.33	− 2 21.8	1.704	2.707	1.9	20.8
9 28	23 14.74	− 3 23.7	1.741	2.716	6.1	21.2
10 8	23 8.53	− 4 17.0	1.805	2.725	10.0	21.4
10 18	23 4.31	− 4 57.4	1.891	2.734	13.4	21.6
247354 2001 VG_{101}			9 13.4 341°.04	3°.9/18.1 18		
8 9	23 44.96	+10 49.3	2.388	3.182	13.1	20.1
8 19	23 41.26	+10 51.6	2.300	3.177	10.7	19.9
8 29	23 36.01	+10 37.4	2.234	3.173	8.0	19.7
9 8	23 29.71	+10 7.4	2.192	3.170	5.3	19.5
9 18	23 22.96	+ 9 24.1	2.177	3.166	3.9	19.5
9 28	23 16.49	+ 8 31.6	2.190	3.163	5.2	19.5
10 8	23 11.00	+ 7 35.4	2.231	3.160	7.9	19.7
10 18	23 7.03	+ 6 40.7	2.296	3.157	10.7	19.9
152361 2005 UX_{140}			9 13.4 230°.53	5°.1/ 7.7 18		
8 9	23 49.03	−17 14.8	2.194	3.068	11.4	19.9
8 19	23 44.37	−18 15.2	2.131	3.066	8.7	19.8
8 29	23 37.97	−19 15.1	2.092	3.064	6.2	19.6
9 8	23 30.40	−20 8.2	2.080	3.062	5.1	19.5
9 18	23 22.43	−20 48.5	2.095	3.060	6.3	19.6
9 28	23 14.90	−21 11.9	2.137	3.058	8.8	19.8
10 8	23 8.59	−21 16.1	2.203	3.056	11.5	19.9
10 18	23 4.07	−21 1.7	2.291	3.054	13.9	20.1
481297 2005 YM_{201}			9 13.4 165°.14	5°.1/20.8 18		
8 9	23 48.13	+17 49.5	3.037	3.766	12.0	21.8
8 19	23 43.31	+18 4.2	2.948	3.770	10.1	21.7
8 29	23 37.16	+18 3.0	2.880	3.775	8.1	21.6
9 8	23 30.10	+17 45.4	2.837	3.778	6.3	21.4
9 18	23 22.68	+17 12.7	2.821	3.782	5.1	21.4
9 28	23 15.51	+16 27.6	2.833	3.785	5.5	21.4
10 8	23 9.19	+15 34.3	2.874	3.787	7.0	21.5
10 18	23 4.18	+14 37.6	2.941	3.789	9.0	21.6
168033 2005 JJ_{143}			9 13.4 340°.59	1°.2/11.3 17		
8 9	23 40.95	− 7 18.4	3.709	4.565	7.6	19.2
8 19	23 37.72	− 7 52.1	3.629	4.560	5.6	19.0
8 29	23 33.56	− 8 29.7	3.574	4.555	3.4	18.9
9 8	23 28.80	− 9 8.5	3.548	4.551	1.4	18.7
9 18	23 23.81	− 9 45.6	3.551	4.546	2.0	18.8
9 28	23 19.01	−10 18.4	3.584	4.542	4.2	18.9
10 8	23 14.79	−10 44.4	3.644	4.538	6.3	19.1
10 18	23 11.50	−11 1.9	3.730	4.534	8.2	19.2
9557 1986 QL_2			9 13.4 72°.67	0°.2/13.6 18	R	
8 9	23 48.68	− 1 15.6	2.195	3.039	12.5	17.5
8 19	23 43.95	− 1 35.5	2.133	3.055	9.4	17.3
8 29	23 37.62	− 2 5.3	2.094	3.070	5.9	17.1
9 8	23 30.27	− 2 41.5	2.082	3.085	2.2	16.9
9 18	23 22.60	− 3 20.0	2.098	3.100	1.7	16.9
9 28	23 15.41	− 3 56.1	2.143	3.116	5.3	17.2
10 8	23 9.40	− 4 25.5	2.215	3.131	8.7	17.4
10 18	23 5.06	− 4 45.5	2.311	3.146	11.6	17.6
310540 2001 CC_{28}			9 13.4 136°.02	6°.6/ 3.1 18		
8 9	23 47.61	−24 53.7	2.677	3.544	9.8	20.2
8 19	23 43.09	−26 37.8	2.635	3.554	8.0	20.1
8 29	23 37.07	−28 16.4	2.620	3.563	6.8	20.1
9 8	23 30.08	−29 42.6	2.632	3.573	6.7	20.1
9 18	23 22.75	−30 51.1	2.671	3.581	7.9	20.2
9 28	23 15.81	−31 38.0	2.737	3.590	9.6	20.3
10 8	23 9.91	−32 2.6	2.826	3.598	11.4	20.4
10 18	23 5.54	−32 5.8	2.934	3.606	13.0	20.6

278147 2007 DA_3 9 13.4 210°.67 1°.6/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.80	− 5 55.2	1.868	2.727	13.7	22.1
8 19	23 47.51	− 6 28.6	1.791	2.722	10.3	21.9
8 29	23 40.10	− 7 11.0	1.736	2.717	6.4	21.7
9 8	23 31.23	− 7 57.2	1.708	2.711	2.4	21.4
9 18	23 21.76	− 8 41.3	1.707	2.705	3.2	21.4
9 28	23 12.75	− 9 17.4	1.735	2.699	7.3	21.7
10 8	23 5.15	− 9 41.0	1.788	2.692	11.2	21.9
10 18	22 59.67	− 9 49.7	1.864	2.684	14.5	22.1

439082 2011 OS_{49} 9 13.4 162°.00 6°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.38	+15 52.0	1.980	2.746	16.4	21.2
8 19	23 46.46	+16 29.2	1.898	2.748	13.8	21.0
8 29	23 39.48	+16 45.1	1.835	2.749	11.0	20.8
9 8	23 31.04	+16 38.4	1.795	2.751	8.3	20.6
9 18	23 21.96	+16 9.8	1.781	2.752	6.7	20.6
9 28	23 13.26	+15 23.3	1.793	2.753	7.5	20.6
10 8	23 5.90	+14 25.6	1.831	2.753	9.8	20.8
10 18	23 0.57	+13 24.0	1.894	2.754	12.6	20.9

233429 2006 HN_{40} 9 13.4 164°.58 5°.9/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.63	+18 56.0	2.311	3.050	15.0	20.8
8 19	23 44.08	+18 46.8	2.224	3.055	12.7	20.6
8 29	23 37.82	+18 14.6	2.158	3.060	10.1	20.5
9 8	23 30.40	+17 19.5	2.115	3.064	7.6	20.3
9 18	23 22.52	+16 3.8	2.098	3.067	6.0	20.2
9 28	23 15.01	+14 32.6	2.109	3.070	6.4	20.2
10 8	23 8.64	+12 53.6	2.149	3.072	8.5	20.4
10 18	23 3.98	+11 14.4	2.214	3.074	11.1	20.6

519662 2012 XY_{51} 9 13.4 28°.03 2°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.56	− 4 36.8	1.434	2.315	15.9	20.8
8 19	23 43.17	− 5 38.2	1.379	2.322	11.8	20.5
8 29	23 37.50	− 6 52.7	1.345	2.330	7.2	20.3
9 8	23 30.32	− 8 12.5	1.335	2.339	2.7	20.1
9 18	23 22.63	− 9 28.7	1.351	2.348	3.9	20.2
9 28	23 15.61	−10 32.4	1.392	2.358	8.4	20.5
10 8	23 10.25	−11 17.5	1.457	2.369	12.6	20.7
10 18	23 7.19	−11 41.3	1.542	2.380	16.2	21.0

78715 2002 TC_{200} 9 13.4 13°.67 10°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.40	+20 10.6	1.391	2.170	21.5	17.8
8 19	23 44.19	+21 25.4	1.327	2.175	18.7	17.7
8 29	23 38.38	+22 9.8	1.279	2.181	15.7	17.5
9 8	23 30.71	+22 19.6	1.250	2.188	12.8	17.3
9 18	23 22.26	+21 54.2	1.242	2.197	10.8	17.3
9 28	23 14.39	+20 58.3	1.256	2.207	10.9	17.3
10 8	23 8.34	+19 41.6	1.292	2.218	12.8	17.4
10 18	23 4.92	+18 15.7	1.350	2.230	15.5	17.6

22839 Richlawrence 9 13.4 306°.16 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.96	− 5 35.2	1.398	2.273	16.5	19.2
8 19	23 47.47	− 6 7.0	1.329	2.269	12.4	18.9
8 29	23 40.36	− 6 50.5	1.281	2.265	7.7	18.7
9 8	23 31.39	− 7 39.5	1.258	2.261	2.9	18.4
9 18	23 21.70	− 8 26.2	1.259	2.258	3.7	18.4
9 28	23 12.63	− 9 3.0	1.286	2.254	8.7	18.7
10 8	23 5.39	− 9 24.1	1.336	2.251	13.3	19.0
10 18	23 0.80	− 9 27.0	1.407	2.248	17.3	19.2

279527 2011 BJ_{51} 9 13.4 180°.35 0°.1/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.59	+ 0 7.0	1.900	2.744	14.1	21.5
8 19	23 45.79	− 0 35.7	1.824	2.746	10.7	21.3
8 29	23 39.00	− 1 32.7	1.771	2.746	6.8	21.0
9 8	23 30.85	− 2 39.7	1.744	2.747	2.5	20.8
9 18	23 22.18	− 3 50.5	1.744	2.746	2.0	20.7
9 28	23 13.95	− 4 57.9	1.773	2.745	6.3	21.0
10 8	23 7.06	− 5 55.6	1.829	2.744	10.3	21.3
10 18	23 2.17	− 6 39.2	1.908	2.742	13.7	21.5

487622 2015 MU_{99} 9 13.4 317°.44 2°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.49	− 5 35.5	1.693	2.567	14.2	21.1
8 19	23 43.01	− 6 29.8	1.616	2.556	10.6	20.8
8 29	23 37.41	− 7 35.9	1.561	2.545	6.5	20.6
9 8	23 30.33	− 8 47.4	1.531	2.535	2.6	20.3
9 18	23 22.60	− 9 56.7	1.528	2.525	3.8	20.4
9 28	23 15.29	−10 56.0	1.551	2.515	8.0	20.6
10 8	23 9.37	−11 39.3	1.599	2.506	12.0	20.8
10 18	23 5.55	−12 3.3	1.668	2.497	15.6	21.1

478951 2012 XD_{50} 9 13.4 356°.00 11°.4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.91	−28 4.4	1.385	2.273	15.8	19.8
8 19	23 46.82	−29 38.0	1.342	2.270	13.3	19.6
8 29	23 39.95	−30 59.4	1.320	2.267	11.7	19.5
9 8	23 31.23	−31 56.5	1.320	2.265	11.6	19.5
9 18	23 21.93	−32 20.6	1.342	2.264	13.2	19.6
9 28	23 13.52	−32 7.8	1.385	2.264	15.6	19.7
10 8	23 7.21	−31 20.0	1.447	2.265	18.2	19.9
10 18	23 3.70	−30 2.5	1.525	2.266	20.6	20.1

381118 2007 DL_{42} 9 13.4 273°.93 2°.4/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.38	− 5 47.9	1.570	2.444	15.1	21.4
8 19	23 45.40	− 6 46.9	1.491	2.430	11.3	21.1
8 29	23 39.05	− 7 58.9	1.433	2.417	7.0	20.8
9 8	23 30.95	− 9 17.0	1.400	2.403	2.9	20.5
9 18	23 22.08	−10 32.6	1.393	2.389	4.2	20.6
9 28	23 13.63	−11 36.7	1.412	2.375	8.7	20.8
10 8	23 6.72	−12 22.6	1.456	2.360	13.1	21.0
10 18	23 2.17	−12 47.1	1.520	2.346	17.0	21.3

220563 2004 HT_{19} 9 13.4 345°.08 6°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.25	−16 18.1	1.378	2.266	16.0	19.4
8 19	23 49.22	−17 2.9	1.319	2.262	12.2	19.2
8 29	23 41.43	−17 47.5	1.281	2.260	8.4	19.0
9 8	23 31.77	−18 23.0	1.266	2.257	6.2	18.9
9 18	23 21.46	−18 41.2	1.277	2.255	7.7	18.9
9 28	23 11.95	−18 36.7	1.311	2.253	11.4	19.2
10 8	23 4.47	−18 8.3	1.368	2.252	15.2	19.4
10 18	22 59.77	−17 18.0	1.444	2.251	18.6	19.6

26664 Jongwon 9 13.4 246°.18 0°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.75	− 0 13.5	1.931	2.776	13.9	19.8
8 19	23 45.98	− 0 30.6	1.845	2.766	10.7	19.6
8 29	23 39.20	− 1 0.5	1.781	2.756	6.9	19.4
9 8	23 30.96	− 1 39.9	1.743	2.745	2.7	19.1
9 18	23 22.10	− 2 24.2	1.732	2.735	1.9	19.0
9 28	23 13.59	− 3 7.6	1.750	2.724	6.2	19.3
10 8	23 6.37	− 3 44.6	1.794	2.713	10.2	19.5
10 18	23 1.13	− 4 11.0	1.861	2.701	13.7	19.7

446725 2015 ON_{70} 9 13.4 16°.77 4°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.60	+ 8 15.0	1.655	2.480	16.7	20.6
8 19	23 44.57	+ 8 31.6	1.584	2.483	13.5	20.4
8 29	23 38.37	+ 8 28.3	1.533	2.487	9.7	20.1
9 8	23 30.67	+ 8 5.9	1.504	2.491	6.0	19.9
9 18	23 22.37	+ 7 27.6	1.501	2.495	4.3	19.8
9 28	23 14.58	+ 6 39.2	1.524	2.500	6.6	20.0
10 8	23 8.28	+ 5 48.1	1.572	2.506	10.2	20.2
10 18	23 4.18	+ 5 1.2	1.643	2.512	13.8	20.5

370904 2005 GS_{63} 9 13.4 185°.67 1°.4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.82	− 0 21.0	1.870	2.718	14.1	21.8
8 19	23 45.28	− 2 11.6	1.792	2.719	10.6	21.6
8 29	23 38.74	− 4 20.8	1.739	2.718	6.5	21.4
9 8	23 30.79	− 6 40.5	1.713	2.717	2.2	21.1
9 18	23 22.27	− 9 0.6	1.718	2.715	3.2	21.2
9 28	23 14.16	−11 10.2	1.752	2.713	7.5	21.4
10 8	23 7.39	−13 0.4	1.814	2.709	11.5	21.7
10 18	23 2.63	−14 26.6	1.899	2.705	14.9	21.9

512704 2016 UB_{10} 9 13.4 218°.22 6°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.30	+18 35.6	2.292	3.033	15.1	21.9
8 19	23 44.73	+18 50.3	2.196	3.026	12.9	21.8
8 29	23 38.34	+18 43.5	2.119	3.019	10.4	21.6
9 8	23 30.65	+18 14.2	2.066	3.011	8.0	21.4
9 18	23 22.37	+17 23.3	2.038	3.003	6.5	21.3
9 28	23 14.35	+16 14.9	2.038	2.994	7.0	21.3
10 8	23 7.44	+14 55.3	2.065	2.985	9.0	21.5
10 18	23 2.28	+13 32.1	2.117	2.975	11.6	21.6

103414 2000 AX_{144} 9 13.4 293°.18 14°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.60	+25 9.4	1.608	2.320	21.5	18.2
8 19	23 53.96	+27 32.5	1.515	2.303	19.6	18.0
8 29	23 45.05	+29 33.5	1.440	2.286	17.5	17.8
9 8	23 33.35	+31 3.5	1.383	2.269	15.6	17.6
9 18	23 19.92	+31 54.6	1.349	2.252	14.5	17.5
9 28	23 6.41	+32 3.9	1.336	2.235	14.7	17.5
10 8	22 54.56	+31 36.3	1.345	2.218	16.1	17.5
10 18	22 45.79	+30 41.6	1.373	2.202	18.3	17.6

75435 1999 XX_{126} 9 13.4 157°.18 2°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.21	− 8 41.0	1.606	2.476	15.0	19.7
8 19	23 48.79	− 9 18.6	1.542	2.479	11.2	19.5
8 29	23 40.99	−10 3.3	1.500	2.482	7.0	19.3
9 8	23 31.60	−10 48.5	1.483	2.484	3.2	19.1
9 18	23 21.65	−11 27.5	1.493	2.487	4.4	19.1
9 28	23 12.34	−11 53.9	1.529	2.489	8.5	19.4
10 8	23 4.75	−12 4.0	1.590	2.490	12.5	19.6
10 18	22 59.58	−11 56.6	1.673	2.492	16.0	19.9

487876 2015 TR_{130} 9 13.4 328°.16 6°.3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.42	−20 2.0	2.023	2.903	12.0	21.0
8 19	23 44.14	−21 7.4	1.961	2.896	9.3	20.8
8 29	23 37.96	−22 10.5	1.922	2.889	7.1	20.6
9 8	23 30.49	−23 3.9	1.909	2.883	6.3	20.6
9 18	23 22.56	−23 41.3	1.922	2.877	7.6	20.7
9 28	23 15.11	−23 58.0	1.961	2.871	10.1	20.8
10 8	23 8.97	−23 52.6	2.023	2.866	12.8	21.0
10 18	23 4.75	−23 26.0	2.105	2.861	15.2	21.1

182220 2000 XP_{29} 9 13.4 335°.73 8°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.09	−22 1.1	1.494	2.383	14.9	18.9
8 19	23 46.90	−22 47.2	1.424	2.362	11.9	18.7
8 29	23 40.06	−23 28.1	1.374	2.342	9.2	18.5
9 8	23 31.33	−23 54.4	1.348	2.323	8.2	18.3
9 18	23 21.84	−23 58.2	1.345	2.306	9.7	18.4
9 28	23 12.94	−23 34.5	1.366	2.289	12.7	18.5
10 8	23 5.88	−22 43.1	1.409	2.273	16.1	18.7
10 18	23 1.46	−21 27.0	1.470	2.259	19.2	18.9

263738 2008 JO_5 9 13.4 91°.27 4°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.92	−17 20.1	2.208	3.080	11.4	20.7
8 19	23 44.96	−18 15.5	2.156	3.090	8.6	20.5
8 29	23 38.30	−19 9.6	2.128	3.100	6.1	20.4
9 8	23 30.57	−19 56.3	2.126	3.109	4.9	20.3
9 18	23 22.53	−20 30.2	2.153	3.119	6.1	20.4
9 28	23 15.02	−20 47.6	2.206	3.128	8.5	20.6
10 8	23 8.76	−20 47.0	2.284	3.138	11.1	20.8
10 18	23 4.27	−20 28.9	2.383	3.147	13.4	21.0

297160 2010 VG_{22} 9 13.4 237°.71 0°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.62	+ 1 26.4	4.518	5.338	7.0	21.4
8 19	23 37.33	+ 1 9.8	4.430	5.336	5.3	21.3
8 29	23 33.29	+ 0 47.2	4.368	5.335	3.5	21.2
9 8	23 28.76	+ 0 20.1	4.334	5.333	1.5	21.0
9 18	23 24.05	− 0 9.6	4.330	5.332	0.9	21.0
9 28	23 19.47	− 0 40.0	4.356	5.330	2.8	21.1
10 8	23 15.38	− 1 8.6	4.412	5.329	4.7	21.3
10 18	23 12.03	− 1 33.7	4.494	5.327	6.4	21.4

481682 2007 YJ_{53} 9 13.4 287°.57 6°.0/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.96	+12 39.4	2.031	2.812	15.5	21.4
8 19	23 47.16	+13 20.2	1.919	2.784	13.0	21.2
8 29	23 40.15	+13 43.5	1.827	2.755	10.2	21.0
9 8	23 31.41	+13 47.6	1.759	2.726	7.4	20.7
9 18	23 21.71	+13 32.2	1.717	2.697	6.0	20.6
9 28	23 12.07	+13 0.0	1.703	2.667	7.3	20.6
10 8	23 3.55	+12 16.5	1.714	2.637	10.3	20.7
10 18	22 57.04	+11 28.5	1.749	2.607	13.6	20.9

224875 2007 BL_{42} 9 13.4 169°.78 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.18	− 0 54.0	1.951	2.797	13.8	21.4
8 19	23 46.17	− 1 33.5	1.878	2.800	10.4	21.2
8 29	23 39.23	− 2 26.0	1.827	2.803	6.5	20.9
9 8	23 30.97	− 3 26.9	1.803	2.806	2.3	20.7
9 18	23 22.22	− 4 30.3	1.806	2.808	2.0	20.7
9 28	23 13.94	− 5 29.8	1.838	2.809	6.3	20.9
10 8	23 6.98	− 6 19.5	1.897	2.810	10.1	21.2
10 18	23 1.97	− 6 55.7	1.980	2.810	13.4	21.4

176343 2001 TL_{14} 9 13.4 311°.16 1°.7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.97	+ 2 33.3	1.906	2.744	14.3	20.2
8 19	23 44.66	+ 2 30.4	1.823	2.738	11.1	20.0
8 29	23 38.38	+ 2 13.3	1.762	2.731	7.4	19.8
9 8	23 30.70	+ 1 44.3	1.726	2.725	3.5	19.5
9 18	23 22.44	+ 1 7.2	1.717	2.719	2.2	19.4
9 28	23 14.55	+ 0 27.3	1.736	2.713	5.9	19.6
10 8	23 7.93	− 0 9.7	1.780	2.707	9.8	19.9
10 18	23 3.27	− 0 39.0	1.848	2.701	13.2	20.1

123740 2001 AO_{18} 9 13.4 140°.27 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.29	− 2 38.1	2.659	3.500	10.7	19.7
8 19	23 43.50	− 3 1.2	2.587	3.507	8.0	19.6
8 29	23 37.32	− 3 32.0	2.539	3.515	5.0	19.4
9 8	23 30.25	− 4 7.4	2.518	3.522	1.7	19.2
9 18	23 22.86	− 4 43.8	2.527	3.528	1.6	19.2
9 28	23 15.82	− 5 17.4	2.566	3.535	4.8	19.4
10 8	23 9.73	− 5 44.8	2.632	3.541	7.8	19.6
10 18	23 5.05	− 6 3.4	2.723	3.547	10.4	19.8

487196 2014 OG_{356} 9 13.4 287°.61 3°.4/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.23	−11 36.8	2.220	3.091	11.4	21.9
8 19	23 43.09	−12 30.3	2.144	3.082	8.5	21.7
8 29	23 37.26	−13 28.1	2.093	3.073	5.5	21.5
9 8	23 30.27	−14 24.4	2.068	3.064	3.4	21.3
9 18	23 22.82	−15 13.6	2.071	3.055	4.6	21.4
9 28	23 15.71	−15 50.4	2.102	3.046	7.6	21.6
10 8	23 9.72	−16 11.7	2.158	3.037	10.6	21.8
10 18	23 5.40	−16 16.1	2.237	3.029	13.3	21.9

480403 2015 KU_{71} 9 13.4 108°.14 1°.9/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.80	+ 5 52.1	1.772	2.604	15.5	21.9
8 19	23 43.79	+ 5 5.6	1.702	2.612	12.1	21.7
8 29	23 37.80	+ 3 58.9	1.654	2.620	8.1	21.5
9 8	23 30.48	+ 2 35.9	1.630	2.627	3.9	21.2
9 18	23 22.67	+ 1 3.3	1.633	2.635	2.2	21.1
9 28	23 15.37	− 0 30.4	1.664	2.642	6.0	21.4
10 8	23 9.45	− 1 56.7	1.722	2.649	10.0	21.6
10 18	23 5.54	− 3 9.3	1.804	2.656	13.5	21.9

130136 1999 XP_{137} 9 13.4 338°.25 6°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.28	+16 28.6	1.563	2.358	18.9	19.3
8 19	23 41.63	+16 29.3	1.480	2.350	15.9	19.1
8 29	23 36.72	+16 0.2	1.414	2.343	12.5	18.8
9 8	23 30.17	+15 0.3	1.370	2.336	9.1	18.6
9 18	23 22.89	+13 32.7	1.348	2.330	6.9	18.5
9 28	23 16.02	+11 45.0	1.352	2.325	7.8	18.5
10 8	23 10.63	+ 9 48.5	1.381	2.320	10.9	18.7
10 18	23 7.51	+ 7 55.0	1.433	2.316	14.5	18.9

30921 1993 OG_6 9 13.4 0°.98 1°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.29	+ 0 35.9	1.052	1.940	19.8	17.9
8 19	23 43.02	+ 0 37.7	0.993	1.936	15.3	17.7
8 29	23 37.85	+ 0 19.0	0.952	1.934	10.0	17.4
9 8	23 30.61	− 0 16.2	0.931	1.934	4.2	17.1
9 18	23 22.55	− 1 0.9	0.933	1.936	2.6	17.0
9 28	23 15.24	− 1 45.8	0.956	1.939	8.3	17.3
10 8	23 10.02	− 2 21.8	1.001	1.943	13.7	17.6
10 18	23 7.73	− 2 42.8	1.065	1.950	18.3	17.9

512612 2016 TP_{16} 9 13.4 212°.44 5°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.61	+10 10.1	1.907	2.696	16.1	20.6
8 19	23 51.27	+11 14.0	1.823	2.695	13.3	20.4
8 29	23 42.60	+12 2.1	1.760	2.694	10.1	20.2
9 8	23 32.25	+12 32.4	1.722	2.693	7.1	20.1
9 18	23 21.15	+12 44.6	1.711	2.692	5.7	20.0
9 28	23 10.43	+12 41.2	1.728	2.691	7.3	20.1
10 8	23 1.18	+12 27.1	1.771	2.690	10.3	20.2
10 18	22 54.19	+12 8.3	1.839	2.689	13.4	20.4

327648 2006 QC_{23} 9 13.4 343°.39 8°.0/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.94	−19 19.1	1.131	2.028	18.0	19.8
8 19	23 51.10	−19 53.9	1.074	2.020	14.1	19.6
8 29	23 42.92	−20 24.1	1.036	2.012	10.2	19.3
9 8	23 32.41	−20 39.1	1.019	2.006	8.1	19.2
9 18	23 21.09	−20 30.0	1.025	2.001	9.6	19.3
9 28	23 10.75	−19 52.2	1.053	1.996	13.4	19.5
10 8	23 2.89	−18 46.6	1.102	1.993	17.6	19.7
10 18	22 58.38	−17 18.0	1.168	1.990	21.3	20.0

91764 1999 TV_{193} 9 13.4 113°.77 3°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.80	+ 9 18.6	2.355	3.154	13.1	19.9
8 19	23 42.62	+ 9 6.8	2.276	3.160	10.5	19.8
8 29	23 36.90	+ 8 38.6	2.219	3.166	7.6	19.6
9 8	23 30.13	+ 7 55.6	2.187	3.171	4.7	19.4
9 18	23 22.97	+ 7 1.1	2.183	3.177	3.2	19.3
9 28	23 16.17	+ 5 59.8	2.207	3.183	5.0	19.5
10 8	23 10.40	+ 4 57.5	2.260	3.188	7.9	19.6
10 18	23 6.19	+ 3 59.6	2.337	3.193	10.7	19.8

148289 2000 GO_{173} 9 13.4 205°.07 0°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.26	− 0 18.3	1.976	2.815	13.9	21.1
8 19	23 47.81	− 0 35.5	1.892	2.810	10.6	20.9
8 29	23 40.33	− 1 5.1	1.832	2.805	6.8	20.7
9 8	23 31.41	− 1 43.7	1.797	2.799	2.6	20.4
9 18	23 21.89	− 2 26.8	1.790	2.793	1.9	20.3
9 28	23 12.77	− 3 8.8	1.813	2.786	6.1	20.6
10 8	23 4.96	− 3 44.3	1.862	2.778	10.1	20.8
10 18	22 59.17	− 4 9.5	1.935	2.769	13.5	21.0

75817 2000 BM_7 9 13.4 140°.33 3°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.28	− 9 59.8	1.611	2.488	14.6	19.2
8 19	23 46.60	−11 10.1	1.551	2.492	10.9	19.0
8 29	23 39.64	−12 27.6	1.514	2.496	6.9	18.8
9 8	23 31.16	−13 43.9	1.502	2.501	4.0	18.6
9 18	23 22.15	−14 50.5	1.517	2.504	5.5	18.7
9 28	23 13.76	−15 39.9	1.559	2.508	9.3	19.0
10 8	23 7.01	−16 8.1	1.624	2.511	13.0	19.2
10 18	23 2.57	−16 14.1	1.710	2.514	16.3	19.4

184501 Pimprenelle 9 13.4 62°.72 0°.2/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.45	− 0 45.4	1.347	2.212	17.6	20.1
8 19	23 47.62	− 1 11.7	1.298	2.230	13.3	19.9
8 29	23 40.29	− 1 54.0	1.270	2.249	8.4	19.7
9 8	23 31.37	− 2 46.5	1.265	2.269	3.0	19.4
9 18	23 22.02	− 3 41.8	1.286	2.288	2.4	19.4
9 28	23 13.55	− 4 31.8	1.332	2.308	7.5	19.8
10 8	23 7.01	− 5 10.0	1.403	2.327	12.0	20.1
10 18	23 3.05	− 5 32.6	1.495	2.347	15.9	20.4

339279 2004 XU_{10} 9 13.4 265°.86 7°.7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.31	−21 43.6	1.739	2.618	13.6	20.6
8 19	23 47.37	−23 0.2	1.682	2.615	10.8	20.4
8 29	23 40.12	−24 12.6	1.648	2.611	8.4	20.3
9 8	23 31.33	−25 11.7	1.639	2.607	7.7	20.2
9 18	23 22.01	−25 49.6	1.656	2.604	9.2	20.3
9 28	23 13.31	−26 1.6	1.697	2.600	11.8	20.4
10 8	23 6.26	−25 46.8	1.760	2.597	14.7	20.6
10 18	23 1.54	−25 7.6	1.842	2.593	17.2	20.8

5687 Yamamotoshinobu 9 13.4 343°.81 4°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.75	−11 44.3	1.656	2.547	13.5	15.1
8 19	23 41.00	−13 16.6	1.591	2.539	10.1	14.9
8 29	23 36.19	−14 56.0	1.548	2.531	6.7	14.7
9 8	23 29.95	−16 33.6	1.530	2.524	4.9	14.5
9 18	23 23.13	−17 59.6	1.539	2.517	6.6	14.6
9 28	23 16.76	−19 5.9	1.573	2.512	10.1	14.8
10 8	23 11.79	−19 47.7	1.629	2.507	13.6	15.0
10 18	23 8.87	−20 3.6	1.706	2.503	16.6	15.2

57479 2001 SD_{153} 9 13.4 62°.23 2°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.20	+ 5 24.7	1.131	1.989	20.8	19.3
8 19	23 47.82	+ 5 5.1	1.085	2.009	16.1	19.1
8 29	23 40.58	+ 4 19.7	1.057	2.029	10.8	18.8
9 8	23 31.50	+ 3 13.2	1.051	2.049	5.3	18.6
9 18	23 21.92	+ 1 54.3	1.068	2.070	3.1	18.5
9 28	23 13.36	+ 0 34.0	1.110	2.091	7.8	18.9
10 8	23 7.02	− 0 36.9	1.175	2.111	12.7	19.2
10 18	23 3.58	− 1 31.4	1.260	2.132	16.9	19.5

416799 2005 GV_{110} 9 13.4 96°.10 0°.4/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.36	+ 1 40.7	1.501	2.355	16.7	20.9
8 19	23 45.94	+ 0 46.9	1.443	2.369	12.7	20.7
8 29	23 39.23	− 0 25.7	1.406	2.383	8.1	20.5
9 8	23 31.01	− 1 51.1	1.393	2.396	3.0	20.2
9 18	23 22.31	− 3 20.8	1.407	2.410	2.2	20.2
9 28	23 14.29	− 4 45.2	1.448	2.423	7.1	20.5
10 8	23 7.97	− 5 56.2	1.514	2.435	11.5	20.8
10 18	23 4.00	− 6 48.9	1.602	2.448	15.3	21.1

358895 2008 GN_{46} 9 13.4 111°.31 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.12	− 0 34.3	2.260	3.106	12.1	21.2
8 19	23 42.14	− 1 24.0	2.188	3.111	9.1	21.0
8 29	23 36.61	− 2 25.3	2.140	3.117	5.7	20.8
9 8	23 30.04	− 3 34.1	2.119	3.123	2.0	20.5
9 18	23 23.10	− 4 44.9	2.126	3.128	1.8	20.5
9 28	23 16.54	− 5 51.7	2.163	3.133	5.5	20.8
10 8	23 11.04	− 6 49.5	2.226	3.139	8.8	21.0
10 18	23 7.11	− 7 34.5	2.314	3.144	11.7	21.2

487992 2015 TL_{332} 9 13.4 110°.42 6°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.87	−24 18.6	2.385	3.255	10.7	20.7
8 19	23 44.20	−25 32.6	2.336	3.259	8.6	20.6
8 29	23 37.87	−26 40.9	2.312	3.263	7.1	20.5
9 8	23 30.48	−27 36.9	2.314	3.267	6.8	20.5
9 18	23 22.75	−28 15.4	2.343	3.271	8.0	20.6
9 28	23 15.49	−28 33.0	2.397	3.275	9.9	20.7
10 8	23 9.43	−28 29.0	2.474	3.279	11.9	20.9
10 18	23 5.07	−28 4.8	2.571	3.283	13.8	21.0

395061 2009 FJ_{23} 9 13.4 150°.63 2°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.77	− 8 51.4	2.039	2.905	12.4	21.1
8 19	23 45.04	− 9 35.5	1.971	2.907	9.2	20.9
8 29	23 38.49	−10 25.4	1.928	2.909	5.7	20.7
9 8	23 30.73	−11 15.8	1.910	2.911	2.8	20.5
9 18	23 22.54	−12 0.7	1.921	2.913	3.9	20.6
9 28	23 14.80	−12 35.1	1.959	2.915	7.2	20.8
10 8	23 8.34	−12 55.4	2.023	2.916	10.6	21.0
10 18	23 3.74	−13 0.0	2.110	2.918	13.5	21.2

405857 2006 DA_{53} 9 13.5 211°.81 1°.1/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.58	+ 0 57.7	2.569	3.396	11.4	21.7
8 19	23 44.60	+ 0 57.5	2.484	3.393	8.8	21.5
8 29	23 38.11	+ 0 47.8	2.422	3.391	5.8	21.3
9 8	23 30.59	+ 0 30.6	2.388	3.388	2.6	21.1
9 18	23 22.66	+ 0 8.7	2.383	3.385	1.6	21.0
9 28	23 15.03	− 0 14.6	2.407	3.381	4.7	21.3
10 8	23 8.37	− 0 35.5	2.459	3.378	7.8	21.5
10 18	23 3.20	− 0 51.0	2.537	3.374	10.6	21.6

275817 2001 RK_{17} 9 13.5 336°.11 1°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.25	− 4 30.3	1.229	2.118	17.4	20.1
8 19	23 43.55	− 5 11.0	1.158	2.106	13.1	19.8
8 29	23 38.14	− 6 7.4	1.107	2.094	8.1	19.5
9 8	23 30.75	− 7 12.5	1.079	2.083	3.0	19.2
9 18	23 22.50	− 8 17.3	1.073	2.073	3.9	19.2
9 28	23 14.79	− 9 11.5	1.092	2.064	9.3	19.5
10 8	23 8.94	− 9 47.5	1.133	2.056	14.3	19.7
10 18	23 5.82	−10 1.3	1.193	2.050	18.7	20.0

467378 2004 RP_{338} 9 13.5 323°.92 1°.0/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.05	+ 2 48.9	1.161	2.034	19.3	21.0
8 19	23 43.54	+ 2 6.5	1.089	2.024	14.9	20.7
8 29	23 38.22	+ 0 57.7	1.035	2.015	9.8	20.4
9 8	23 30.80	− 0 32.4	1.003	2.006	4.0	20.1
9 18	23 22.45	− 2 14.2	0.995	1.998	2.5	20.0
9 28	23 14.65	− 3 54.6	1.010	1.990	8.5	20.3
10 8	23 8.78	− 5 21.2	1.048	1.983	14.0	20.6
10 18	23 5.76	− 6 25.5	1.105	1.976	18.8	20.9

269615 2010 DB_{76} 9 13.5 336°.40 1°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.74	− 6 26.9	1.555	2.425	15.4	19.5
8 19	23 47.87	− 6 34.0	1.483	2.419	11.6	19.3
8 29	23 40.56	− 6 49.3	1.432	2.414	7.2	19.0
9 8	23 31.55	− 7 8.0	1.406	2.410	2.6	18.7
9 18	23 21.87	− 7 24.9	1.406	2.406	3.2	18.8
9 28	23 12.76	− 7 34.5	1.432	2.402	7.8	19.0
10 8	23 5.33	− 7 32.7	1.483	2.398	12.2	19.3
10 18	23 0.34	− 7 17.7	1.555	2.395	15.9	19.5

395102 2009 QV_{57} 9 13.5 35°.32 2°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.49	− 8 1.4	1.838	2.707	13.5	19.9
8 19	23 45.64	− 8 19.5	1.782	2.718	10.0	19.7
8 29	23 38.86	− 8 43.3	1.748	2.731	6.2	19.5
9 8	23 30.86	− 9 8.0	1.740	2.743	2.5	19.3
9 18	23 22.50	− 9 28.8	1.760	2.756	3.3	19.4
9 28	23 14.74	− 9 41.1	1.806	2.770	7.0	19.6
10 8	23 8.43	− 9 42.1	1.878	2.784	10.6	19.9
10 18	23 4.13	− 9 30.4	1.972	2.798	13.6	20.1

239079 2006 GN_{40} 9 13.5 185°.70 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.42	− 1 46.2	2.265	3.108	12.2	21.3
8 19	23 44.66	− 2 34.4	2.186	3.108	9.2	21.1
8 29	23 38.22	− 3 33.8	2.131	3.108	5.7	20.9
9 8	23 30.65	− 4 40.0	2.103	3.107	2.0	20.6
9 18	23 22.63	− 5 47.7	2.104	3.105	2.0	20.6
9 28	23 14.97	− 6 50.8	2.135	3.103	5.8	20.9
10 8	23 8.41	− 7 44.3	2.193	3.100	9.2	21.1
10 18	23 3.52	− 8 24.7	2.275	3.096	12.2	21.3

107876 2001 FV_{88} 9 13.5 103°.89 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.12	+ 1 56.0	1.939	2.782	13.9	19.9
8 19	23 43.11	+ 0 52.8	1.872	2.792	10.6	19.7
8 29	23 37.30	− 0 26.5	1.828	2.802	6.7	19.5
9 8	23 30.32	− 1 56.5	1.810	2.812	2.5	19.2
9 18	23 22.93	− 3 30.2	1.820	2.822	1.8	19.2
9 28	23 16.00	− 4 59.9	1.859	2.832	6.0	19.5
10 8	23 10.34	− 6 18.5	1.924	2.841	9.7	19.7
10 18	23 6.50	− 7 21.3	2.014	2.850	13.0	20.0

8968 Europaeus 9 13.5 11°.39 2°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.53	+ 6 56.3	1.834	2.665	15.1	16.8
8 19	23 41.34	+ 6 24.2	1.759	2.666	11.9	16.6
8 29	23 36.30	+ 5 32.1	1.706	2.669	8.2	16.4
9 8	23 29.99	+ 4 23.1	1.677	2.671	4.4	16.1
9 18	23 23.19	+ 3 2.6	1.674	2.674	2.6	16.0
9 28	23 16.82	+ 1 38.2	1.699	2.678	5.7	16.2
10 8	23 11.70	+ 0 17.9	1.750	2.682	9.5	16.5
10 18	23 8.46	− 0 51.8	1.824	2.686	13.0	16.7

356901 2011 YJ_{55} 9 13.5 280°.66 2°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.79	+11 16.9	4.518	5.283	7.8	20.8
8 19	23 38.26	+11 21.2	4.421	5.278	6.4	20.7
8 29	23 33.93	+11 16.6	4.347	5.274	4.8	20.6
9 8	23 29.07	+11 3.8	4.301	5.269	3.3	20.5
9 18	23 23.98	+10 43.7	4.282	5.265	2.5	20.4
9 28	23 19.03	+10 18.3	4.294	5.261	3.2	20.5
10 8	23 14.56	+ 9 49.7	4.334	5.256	4.6	20.6
10 18	23 10.85	+ 9 20.4	4.402	5.252	6.2	20.7

328732 2009 TG_{46} 9 13.5 306°.43 1°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.90	+ 5 41.1	4.184	4.988	7.8	20.0
8 19	23 36.91	+ 5 10.8	4.090	4.982	6.1	19.9
8 29	23 33.11	+ 4 31.9	4.020	4.977	4.1	19.8
9 8	23 28.78	+ 3 46.0	3.979	4.971	2.2	19.6
9 18	23 24.23	+ 2 55.2	3.966	4.966	1.3	19.6
9 28	23 19.83	+ 2 2.3	3.985	4.961	2.9	19.7
10 8	23 15.93	+ 1 10.3	4.032	4.955	4.9	19.8
10 18	23 12.82	+ 0 21.9	4.107	4.950	6.8	19.9

387393 2013 BF_{71} 9 13.5 232°.10 0°.6/12.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.07	− 4 51.5	4.697	5.541	6.3	21.1
8 19	23 36.94	− 5 26.0	4.611	5.535	4.7	20.9
8 29	23 33.09	− 6 4.6	4.551	5.529	2.9	20.8
9 8	23 28.76	− 6 45.1	4.520	5.524	1.0	20.6
9 18	23 24.25	− 7 25.5	4.519	5.518	1.3	20.7
9 28	23 19.87	− 8 3.2	4.549	5.512	3.2	20.8
10 8	23 15.94	− 8 36.4	4.607	5.506	5.0	20.9
10 18	23 12.72	− 9 3.4	4.692	5.499	6.6	21.1

308384 2005 SV_{7} 9 13.5 306°.98 3°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.70	−10 54.8	2.003	2.879	12.2	20.0
8 19	23 42.86	−12 8.3	1.935	2.875	9.1	19.8
8 29	23 37.20	−13 27.6	1.891	2.872	5.8	19.6
9 8	23 30.31	−14 45.6	1.873	2.869	3.8	19.5
9 18	23 22.95	−15 55.4	1.883	2.866	5.2	19.6
9 28	23 16.00	−16 50.3	1.920	2.863	8.3	19.8
10 8	23 10.26	−17 26.6	1.982	2.860	11.5	20.0
10 18	23 6.34	−17 42.7	2.066	2.857	14.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
28481 Shindongju			9 13.5 107°.22		0°.1/13.5 17	
	h m	° ′			°	m
8 9	23 52.05	− 0 33.7	1.661	2.512	15.5	19.6
8 19	23 47.02	− 1 10.7	1.601	2.527	11.7	19.3
8 29	23 39.84	− 2 2.1	1.563	2.541	7.3	19.1
9 8	23 31.25	− 3 2.6	1.551	2.554	2.6	18.9
9 18	23 22.21	− 4 5.7	1.566	2.568	2.2	18.9
9 28	23 13.83	− 5 4.0	1.608	2.581	6.8	19.2
10 8	23 7.05	− 5 51.2	1.676	2.593	10.9	19.5
10 18	23 2.48	− 6 23.7	1.766	2.605	14.4	19.7
124448 2001 QC_{263}			9 13.5 333°.54		1°.6/14.6 18	
8 9	23 45.71	+ 1 29.1	1.195	2.071	18.7	19.4
8 19	23 43.30	+ 1 24.6	1.118	2.054	14.6	19.1
8 29	23 38.10	+ 0 59.4	1.059	2.038	9.6	18.8
9 8	23 30.80	+ 0 16.5	1.021	2.023	4.2	18.5
9 18	23 22.50	− 0 37.7	1.006	2.009	2.6	18.3
9 28	23 14.65	− 1 34.1	1.015	1.996	8.1	18.6
10 8	23 8.64	− 2 23.1	1.045	1.985	13.6	18.9
10 18	23 5.46	− 2 57.3	1.095	1.974	18.3	19.1
264769 2002 FN_{37}			9 13.5 99°.48		5°.2/ 7.8 18	
8 9	23 50.55	−18 18.4	2.212	3.083	11.4	20.2
8 19	23 45.49	−19 11.8	2.157	3.090	8.7	20.0
8 29	23 38.70	−20 3.3	2.127	3.097	6.3	19.9
9 8	23 30.82	−20 46.7	2.123	3.103	5.2	19.8
9 18	23 22.59	−21 16.8	2.147	3.110	6.3	19.9
9 28	23 14.89	−21 29.7	2.197	3.117	8.7	20.1
10 8	23 8.45	−21 24.4	2.272	3.123	11.3	20.3
10 18	23 3.81	−21 1.4	2.369	3.129	13.6	20.4
364480 2007 DT_{38}			9 13.5 159°.69		0°.9/12.4 18	
8 9	23 47.54	− 4 16.8	2.586	3.435	10.7	22.0
8 19	23 43.04	− 4 53.6	2.513	3.439	8.0	21.8
8 29	23 37.11	− 5 37.8	2.463	3.442	4.9	21.7
9 8	23 30.26	− 6 25.7	2.442	3.445	1.7	21.4
9 18	23 23.06	− 7 13.0	2.449	3.448	2.1	21.5
9 28	23 16.19	− 7 55.5	2.486	3.451	5.3	21.7
10 8	23 10.29	− 8 29.4	2.550	3.454	8.3	21.9
10 18	23 5.81	− 8 52.4	2.640	3.456	10.9	22.1
369256 2009 HH_{42}			9 13.5 100°.70		0°.9/12.7 17	
8 9	23 51.67	− 1 44.1	1.453	2.317	16.6	21.3
8 19	23 47.01	− 2 41.6	1.397	2.330	12.5	21.1
8 29	23 39.96	− 3 55.0	1.363	2.344	7.7	20.9
9 8	23 31.33	− 5 17.0	1.353	2.357	2.6	20.6
9 18	23 22.22	− 6 38.8	1.369	2.370	2.9	20.7
9 28	23 13.84	− 7 51.1	1.412	2.382	7.8	21.0
10 8	23 7.25	− 8 47.0	1.480	2.395	12.2	21.3
10 18	23 3.10	− 9 22.9	1.569	2.407	16.0	21.6
512230 2015 UC_{83}			9 13.5 358°.37		5°.5/ 7.4 18	
8 9	23 46.49	−15 37.8	1.875	2.760	12.5	20.4
8 19	23 42.82	−17 0.2	1.816	2.759	9.5	20.2
8 29	23 37.23	−18 24.4	1.781	2.758	6.7	20.1
9 8	23 30.35	−19 42.1	1.772	2.757	5.5	20.0
9 18	23 23.00	−20 45.7	1.789	2.757	7.0	20.1
9 28	23 16.13	−21 29.3	1.832	2.757	9.8	20.3
10 8	23 10.60	−21 50.1	1.899	2.758	12.8	20.4
10 18	23 7.00	−21 47.9	1.985	2.759	15.4	20.6
307537 2003 CO_{4}			9 13.5 228°.25		2°.9/10.1 18	
8 9	23 49.42	−10 38.6	2.425	3.287	10.8	21.6
8 19	23 44.64	−11 28.3	2.343	3.277	8.1	21.4
8 29	23 38.23	−12 22.6	2.287	3.266	5.2	21.2
9 8	23 30.70	−13 16.3	2.258	3.255	3.0	21.0
9 18	23 22.70	−14 4.3	2.258	3.244	4.0	21.1
9 28	23 15.02	−14 41.8	2.286	3.232	6.9	21.3
10 8	23 8.36	−15 5.4	2.341	3.220	9.9	21.4
10 18	23 3.31	−15 13.8	2.419	3.208	12.5	21.6
452318 1999 XE_{260}			9 13.5 197°.29		6°.2/21.6 17	
8 9	23 49.26	+19 46.7	2.796	3.514	13.1	21.6
8 19	23 44.43	+20 18.4	2.702	3.512	11.3	21.5
8 29	23 38.07	+20 32.7	2.629	3.510	9.3	21.3
9 8	23 30.65	+20 28.6	2.579	3.507	7.5	21.2
9 18	23 22.74	+20 6.2	2.555	3.505	6.3	21.1
9 28	23 15.07	+19 28.0	2.559	3.502	6.5	21.2
10 8	23 8.30	+18 38.3	2.590	3.498	7.9	21.2
10 18	23 2.99	+17 42.6	2.647	3.495	9.9	21.4
329370 2001 UY_{190}			9 13.5 358°.98		2°.8/16.9 18	
8 9	23 44.47	+ 8 10.5	2.374	3.184	12.8	20.4
8 19	23 40.94	+ 7 52.7	2.291	3.183	10.2	20.3
8 29	23 35.91	+ 7 18.9	2.230	3.183	7.2	20.1
9 8	23 29.86	+ 6 31.1	2.194	3.182	4.2	19.9
9 18	23 23.41	+ 5 32.7	2.186	3.182	2.8	19.8
9 28	23 17.26	+ 4 28.5	2.206	3.182	4.8	19.9
10 8	23 12.09	+ 3 24.5	2.253	3.183	7.8	20.1
10 18	23 8.40	+ 2 25.7	2.326	3.183	10.7	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
515640 2014 MZ_{32}			9 13.5 54°.55		6°.3/20.4 18	
	h m	° ′			°	m
8 9	23 48.34	+16 13.1	2.011	2.779	16.1	21.1
8 19	23 44.14	+16 34.6	1.934	2.786	13.5	20.9
8 29	23 38.05	+16 34.0	1.878	2.793	10.7	20.8
9 8	23 30.67	+16 10.8	1.844	2.800	8.0	20.6
9 18	23 22.77	+15 26.7	1.834	2.807	6.4	20.5
9 28	23 15.28	+14 26.3	1.852	2.815	7.0	20.6
10 8	23 9.06	+13 16.8	1.896	2.822	9.3	20.8
10 18	23 4.73	+12 5.6	1.964	2.830	12.0	20.9
521871 2015 TK_{378}			9 13.5 280°.20		0°.8/12.6 17	
8 9	23 46.91	− 3 32.2	2.278	3.132	11.8	21.9
8 19	23 42.87	− 4 8.2	2.190	3.118	8.9	21.7
8 29	23 37.19	− 4 53.8	2.125	3.105	5.5	21.4
9 8	23 30.36	− 5 45.1	2.087	3.091	1.9	21.2
9 18	23 23.01	− 6 37.3	2.078	3.078	2.2	21.2
9 28	23 15.94	− 7 25.1	2.096	3.064	5.9	21.4
10 8	23 9.90	− 8 3.8	2.142	3.051	9.3	21.6
10 18	23 5.45	− 8 30.3	2.211	3.037	12.4	21.8
168712 2000 HY_{79}			9 13.5 177°.27		10°.7/29.8 18	
8 9	23 55.77	−38 54.7	2.364	3.193	12.2	20.2
8 19	23 49.67	−40 27.3	2.332	3.194	11.1	20.2
8 29	23 41.45	−41 43.9	2.322	3.195	10.7	20.1
9 8	23 31.85	−42 37.0	2.336	3.196	11.0	20.2
9 18	23 21.84	−43 1.6	2.373	3.196	12.0	20.2
9 28	23 12.52	−42 55.8	2.431	3.196	13.3	20.3
10 8	23 4.79	−42 21.6	2.508	3.196	14.7	20.4
10 18	22 59.29	−41 22.9	2.602	3.195	16.0	20.6
404589 2013 MJ			9 13.5 293°.73		2°.7/10.0 18	
8 9	23 45.64	− 8 55.0	2.285	3.154	11.2	20.8
8 19	23 41.86	−10 0.6	2.213	3.151	8.3	20.6
8 29	23 36.51	−11 12.5	2.165	3.147	5.2	20.4
9 8	23 30.09	−12 25.1	2.145	3.144	2.8	20.2
9 18	23 23.26	−13 32.4	2.153	3.141	4.0	20.3
9 28	23 16.76	−14 28.7	2.189	3.138	7.0	20.5
10 8	23 11.31	−15 10.1	2.250	3.135	10.0	20.7
10 18	23 7.43	−15 34.6	2.335	3.132	12.7	20.9
255479 2005 YF_{185}			9 13.5 186°.49		1°.7/15.5 18	
8 9	23 47.58	+ 4 2.6	2.606	3.423	11.5	21.0
8 19	23 43.11	+ 3 49.6	2.521	3.423	9.0	20.8
8 29	23 37.21	+ 3 24.9	2.461	3.423	6.1	20.6
9 8	23 30.33	+ 2 50.3	2.426	3.422	3.0	20.4
9 18	23 23.07	+ 2 8.9	2.421	3.421	1.9	20.3
9 28	23 16.09	+ 1 24.9	2.444	3.420	4.5	20.5
10 8	23 10.04	+ 0 42.7	2.496	3.418	7.5	20.7
10 18	23 5.42	+ 0 6.0	2.573	3.417	10.3	20.9
168826 2000 SB_{291}			9 13.5 296°.10		3°.6/16.5 18	
8 9	23 47.63	+ 7 47.3	1.346	2.189	18.9	20.1
8 19	23 44.56	+ 7 31.6	1.262	2.175	15.2	19.8
8 29	23 38.83	+ 6 48.8	1.196	2.161	10.7	19.5
9 8	23 31.09	+ 5 40.6	1.153	2.146	6.0	19.2
9 18	23 22.38	+ 4 12.4	1.133	2.132	3.7	19.1
9 28	23 14.05	+ 2 34.3	1.137	2.118	7.5	19.3
10 8	23 7.43	+ 0 58.4	1.166	2.105	12.5	19.5
10 18	23 3.47	− 0 25.0	1.216	2.092	17.2	19.7
234748 2002 NH_{57}			9 13.5 34°.78		3°.3/10.6 18	
8 9	23 49.63	− 9 15.0	1.609	2.487	14.5	20.3
8 19	23 45.36	−10 5.6	1.550	2.492	10.8	20.1
8 29	23 38.90	−11 3.1	1.514	2.498	6.8	19.9
9 8	23 30.98	−12 0.4	1.503	2.503	3.5	19.7
9 18	23 22.57	−12 50.0	1.518	2.509	4.8	19.8
9 28	23 14.78	−13 25.5	1.559	2.516	8.6	20.1
10 8	23 8.58	−13 43.0	1.624	2.522	12.4	20.3
10 18	23 4.61	−13 41.3	1.710	2.529	15.7	20.5
278849 2008 TU_{5}			9 13.5 63°.42		1°.3/12.5 18	
8 9	23 53.15	− 5 18.4	1.561	2.427	15.5	20.0
8 19	23 48.00	− 5 37.4	1.502	2.437	11.6	19.8
8 29	23 40.55	− 6 6.0	1.465	2.446	7.2	19.6
9 8	23 31.57	− 6 38.9	1.452	2.456	2.6	19.3
9 18	23 22.10	− 7 10.3	1.466	2.466	3.0	19.4
9 28	23 13.34	− 7 34.1	1.506	2.476	7.5	19.7
10 8	23 6.29	− 7 46.1	1.572	2.486	11.7	20.0
10 18	23 1.63	− 7 44.1	1.659	2.496	15.2	20.2
204486 2005 AE_{78}			9 13.5 276°.72		1°.2/12.4 18	
8 9	23 50.09	− 4 31.7	1.790	2.652	14.1	20.6
8 19	23 45.64	− 5 3.3	1.714	2.647	10.6	20.4
8 29	23 39.09	− 5 45.3	1.660	2.641	6.6	20.1
9 8	23 31.07	− 6 33.0	1.631	2.635	2.3	19.8
9 18	23 22.47	− 7 20.2	1.630	2.629	2.8	19.9
9 28	23 14.30	− 8 0.8	1.655	2.624	7.1	20.1
10 8	23 7.53	− 8 29.5	1.707	2.618	11.1	20.3
10 18	23 2.84	− 8 43.5	1.780	2.612	14.6	20.6

246657 2008 YD_{45} 9 13.5 194°.37 1°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.14	− 6 48.8	2.276	3.132	11.7	21.7
8 19	23 45.23	− 7 33.9	2.199	3.130	8.7	21.5
8 29	23 38.62	− 8 26.1	2.147	3.127	5.4	21.3
9 8	23 30.86	− 9 20.7	2.122	3.124	2.3	21.1
9 18	23 22.66	−10 12.4	2.126	3.121	3.1	21.1
9 28	23 14.82	−10 55.9	2.158	3.117	6.5	21.3
10 8	23 8.10	−11 27.5	2.218	3.113	9.7	21.5
10 18	23 3.08	−11 44.9	2.301	3.108	12.6	21.7

193368 2000 UL_{71} 9 13.5 15°.55 1°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.55	− 7 4.7	1.071	1.967	18.8	18.7
8 19	23 46.82	− 7 3.9	1.024	1.974	14.1	18.4
8 29	23 40.12	− 7 12.6	0.995	1.982	8.7	18.2
9 8	23 31.46	− 7 24.7	0.988	1.992	3.2	17.9
9 18	23 22.22	− 7 33.7	1.004	2.004	3.8	18.0
9 28	23 13.98	− 7 33.3	1.043	2.017	9.2	18.3
10 8	23 7.99	− 7 19.4	1.103	2.032	14.1	18.7
10 18	23 4.97	− 6 50.9	1.183	2.048	18.3	19.0

321330 2009 HE_{79} 9 13.5 48°.83 2°.7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.93	+ 6 6.6	1.204	2.060	19.9	21.0
8 19	23 45.36	+ 5 39.6	1.152	2.073	15.5	20.7
8 29	23 39.11	+ 4 46.4	1.118	2.088	10.5	20.5
9 8	23 31.09	+ 3 31.5	1.105	2.103	5.3	20.3
9 18	23 22.51	+ 2 3.5	1.117	2.118	3.0	20.2
9 28	23 14.76	+ 0 33.6	1.153	2.134	7.4	20.5
10 8	23 9.01	− 0 47.2	1.213	2.150	12.3	20.8
10 18	23 5.95	− 1 51.2	1.293	2.167	16.5	21.1

202621 2006 HT_{78} 9 13.5 235°.09 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.07	+ 2 45.2	2.199	3.026	13.0	22.3
8 19	23 45.36	+ 2 19.0	2.103	3.013	10.1	22.1
8 29	23 38.82	+ 1 38.5	2.030	2.998	6.7	21.8
9 8	23 30.98	+ 0 46.4	1.984	2.984	3.0	21.6
9 18	23 22.53	− 0 13.1	1.966	2.968	1.8	21.5
9 28	23 14.35	− 1 14.2	1.977	2.952	5.5	21.7
10 8	23 7.25	− 2 10.9	2.016	2.935	9.2	21.9
10 18	23 1.89	− 2 58.5	2.079	2.918	12.5	22.1

289123 2004 UV 9 13.5 122°.76 15°.7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.71	+31 1.4	1.284	1.990	26.3	20.5
8 19	23 50.43	+32 34.1	1.220	1.998	23.9	20.4
8 29	23 42.78	+33 27.1	1.168	2.005	21.3	20.2
9 8	23 32.57	+33 31.9	1.131	2.011	18.7	20.0
9 18	23 21.21	+32 43.7	1.110	2.018	16.6	19.9
9 28	23 10.52	+31 6.0	1.110	2.024	15.7	19.9
10 8	23 2.19	+28 51.0	1.129	2.029	16.5	20.0
10 18	22 57.30	+26 15.9	1.169	2.035	18.4	20.1

166576 2002 RA_{129} 9 13.5 346°.59 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.09	+ 4 10.6	1.622	2.469	16.0	19.3
8 19	23 42.81	+ 3 44.1	1.546	2.465	12.5	19.0
8 29	23 37.41	+ 2 57.8	1.491	2.461	8.4	18.8
9 8	23 30.50	+ 1 55.4	1.459	2.458	3.9	18.5
9 18	23 22.97	+ 0 42.8	1.453	2.455	2.3	18.4
9 28	23 15.88	− 0 32.1	1.474	2.453	6.4	18.7
10 8	23 10.23	− 1 40.9	1.519	2.451	10.7	18.9
10 18	23 6.71	− 2 37.2	1.588	2.450	14.6	19.2

316943 2001 DW_{1} 9 13.5 246°.75 0°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.18	− 2 56.9	2.447	3.294	11.2	22.3
8 19	23 42.96	− 3 33.0	2.360	3.285	8.5	22.1
8 29	23 37.19	− 4 18.3	2.297	3.275	5.3	21.9
9 8	23 30.36	− 5 9.3	2.261	3.265	1.8	21.7
9 18	23 23.08	− 6 1.5	2.254	3.254	2.0	21.7
9 28	23 16.07	− 6 49.9	2.276	3.244	5.5	21.9
10 8	23 10.03	− 7 30.2	2.325	3.233	8.7	22.1
10 18	23 5.48	− 7 59.2	2.399	3.222	11.6	22.2

44495 1998 XL_{4} 9 13.5 330°.88 4°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.87	−11 5.5	1.370	2.264	15.6	18.0
8 19	23 43.90	−11 58.1	1.295	2.245	11.8	17.7
8 29	23 38.35	−12 58.6	1.241	2.227	7.6	17.5
9 8	23 30.91	−13 58.6	1.211	2.209	4.6	17.2
9 18	23 22.61	−14 49.0	1.204	2.193	6.3	17.3
9 28	23 14.79	−15 21.2	1.221	2.177	10.5	17.5
10 8	23 8.68	−15 30.3	1.260	2.163	14.9	17.7
10 18	23 5.15	−15 15.0	1.319	2.150	18.8	17.9

4030 Archenhold 9 13.5 55°.44 0°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.76	− 0 52.1	1.461	2.319	16.9	16.6
8 19	23 48.64	− 0 50.5	1.400	2.328	12.9	16.4
8 29	23 41.05	− 1 2.9	1.360	2.337	8.3	16.2
9 8	23 31.80	− 1 25.4	1.343	2.346	3.3	15.9
9 18	23 21.98	− 1 53.1	1.353	2.355	2.2	15.9
9 28	23 12.88	− 2 19.8	1.388	2.365	7.1	16.2
10 8	23 5.60	− 2 39.6	1.448	2.374	11.6	16.5
10 18	23 0.86	− 2 48.8	1.530	2.384	15.4	16.8

277994 2006 UN_{53} 9 13.5 257°.98 2°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.41	− 8 11.2	1.645	2.516	14.7	21.8
8 19	23 47.69	− 8 58.9	1.564	2.502	11.0	21.6
8 29	23 40.56	− 9 55.8	1.505	2.488	6.9	21.3
9 8	23 31.68	−10 55.3	1.471	2.473	3.3	21.0
9 18	23 22.02	−11 49.8	1.464	2.458	4.5	21.1
9 28	23 12.77	−12 31.8	1.484	2.443	8.8	21.3
10 8	23 5.07	−12 56.1	1.528	2.427	13.0	21.5
10 18	22 59.73	−13 0.6	1.593	2.411	16.7	21.7

68465 2001 SZ_{131} 9 13.5 214°.90 0°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.98	+ 0 28.9	1.898	2.740	14.2	20.4
8 19	23 46.24	− 0 1.9	1.815	2.735	10.9	20.2
8 29	23 39.46	− 0 47.1	1.755	2.729	7.0	19.9
9 8	23 31.24	− 1 42.9	1.720	2.722	2.7	19.6
9 18	23 22.41	− 2 43.8	1.713	2.715	1.9	19.6
9 28	23 13.96	− 3 43.1	1.734	2.708	6.3	19.8
10 8	23 6.83	− 4 34.7	1.782	2.700	10.3	20.1
10 18	23 1.71	− 5 13.8	1.853	2.691	13.8	20.3

311963 2007 DC_{77} 9 13.5 179°.92 0°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.89	− 3 42.3	2.928	3.768	9.8	22.6
8 19	23 43.18	− 4 15.6	2.848	3.770	7.3	22.4
8 29	23 37.19	− 4 55.9	2.793	3.770	4.5	22.2
9 8	23 30.34	− 5 39.9	2.767	3.771	1.6	22.0
9 18	23 23.17	− 6 24.0	2.770	3.770	1.8	22.0
9 28	23 16.28	− 7 4.4	2.804	3.770	4.7	22.2
10 8	23 10.23	− 7 37.8	2.866	3.768	7.5	22.4
10 18	23 5.46	− 8 1.8	2.953	3.767	9.9	22.6

332862 2010 VS_{103} 9 13.5 205°.73 1°.1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.80	+ 2 9.6	1.776	2.615	15.2	22.1
8 19	23 46.98	+ 1 41.3	1.695	2.612	11.7	21.8
8 29	23 39.99	+ 0 56.4	1.636	2.607	7.7	21.6
9 8	23 31.45	− 0 1.5	1.601	2.602	3.2	21.3
9 18	23 22.26	− 1 6.9	1.594	2.597	2.0	21.2
9 28	23 13.50	− 2 12.3	1.615	2.591	6.4	21.5
10 8	23 6.15	− 3 10.7	1.663	2.584	10.7	21.7
10 18	23 0.96	− 3 56.8	1.733	2.577	14.4	22.0

107474 2001 DE_{33} 9 13.5 199°.40 1°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.28	− 5 2.2	2.178	3.029	12.3	20.7
8 19	23 46.17	− 5 35.0	2.099	3.026	9.2	20.5
8 29	23 39.27	− 6 16.1	2.044	3.023	5.7	20.3
9 8	23 31.15	− 7 1.3	2.016	3.019	2.1	20.1
9 18	23 22.54	− 7 45.5	2.016	3.015	2.6	20.1
9 28	23 14.31	− 8 23.6	2.045	3.010	6.2	20.3
10 8	23 7.26	− 8 51.5	2.102	3.005	9.7	20.5
10 18	23 1.99	− 9 6.7	2.182	2.999	12.8	20.7

334999 2004 GP_{15} 9 13.5 59°.78 7°.3/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.90	+24 6.5	0.927	1.730	28.3	19.3
8 19	23 43.00	+22 21.0	0.874	1.749	23.8	19.0
8 29	23 37.93	+19 32.0	0.834	1.767	18.3	18.8
9 8	23 30.74	+15 42.9	0.813	1.787	12.3	18.5
9 18	23 22.94	+11 10.6	0.815	1.807	7.7	18.4
9 28	23 16.23	+ 6 24.8	0.843	1.826	8.8	18.5
10 8	23 11.93	+ 1 57.9	0.896	1.846	13.7	18.9
10 18	23 10.73	− 1 47.4	0.972	1.867	18.7	19.3

82246 2001 JP_{10} 9 13.5 43°.04 3°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.31	−10 36.9	1.307	2.192	16.8	19.0
8 19	23 49.28	−11 9.9	1.255	2.199	12.6	18.8
8 29	23 41.53	−11 48.4	1.223	2.207	8.0	18.5
9 8	23 31.99	−12 24.6	1.215	2.215	4.2	18.3
9 18	23 21.91	−12 50.9	1.231	2.224	5.4	18.4
9 28	23 12.71	−13 1.1	1.273	2.233	9.8	18.7
10 8	23 5.58	−12 52.3	1.337	2.242	14.0	19.0
10 18	23 1.23	−12 24.7	1.422	2.252	17.7	19.3

72099 2000 YQ_{50} 9 13.5 202°.18 2°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.97	− 5 17.4	1.577	2.446	15.3	19.5
8 19	23 46.55	− 6 20.4	1.507	2.445	11.4	19.2
8 29	23 39.78	− 7 36.3	1.460	2.443	7.0	19.0
9 8	23 31.39	− 8 57.5	1.437	2.440	2.9	18.7
9 18	23 22.34	−10 15.6	1.441	2.437	4.0	18.8
9 28	23 13.83	−11 21.6	1.472	2.434	8.4	19.1
10 8	23 6.93	−12 9.4	1.527	2.431	12.7	19.3
10 18	23 2.36	−12 36.0	1.604	2.428	16.3	19.5

145055 2005 GQ_{12} 9 13.5 3°.97 3°.2/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.56	− 6 0.2	1.060	1.962	18.5	18.7
8 19	23 43.24	− 7 4.2	1.006	1.960	13.8	18.5
8 29	23 38.04	− 8 23.8	0.971	1.960	8.5	18.2
9 8	23 30.81	− 9 49.1	0.958	1.961	3.7	17.9
9 18	23 22.84	−11 7.9	0.967	1.964	5.3	18.0
9 28	23 15.65	−12 8.8	0.999	1.967	10.6	18.3
10 8	23 10.55	−12 44.5	1.051	1.972	15.5	18.6
10 18	23 8.34	−12 52.8	1.122	1.977	19.8	18.9

337290 2000 XC_3 9 13.5 304°.60 4°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.33	+ 5 52.7	1.565	2.397	17.2	19.5
8 19	23 47.99	+ 6 30.6	1.466	2.371	13.9	19.2
8 29	23 41.02	+ 6 52.1	1.387	2.346	10.1	18.9
9 8	23 31.97	+ 6 56.5	1.330	2.320	6.1	18.6
9 18	23 21.77	+ 6 45.0	1.299	2.295	4.4	18.5
9 28	23 11.74	+ 6 21.7	1.294	2.270	7.5	18.6
10 8	23 3.19	+ 5 53.2	1.313	2.246	12.0	18.8
10 18	22 57.15	+ 5 26.2	1.354	2.221	16.2	19.0

310620 2002 AT_{93} 9 13.5 188°.71 0°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.31	− 4 23.4	2.660	3.506	10.5	22.0
8 19	23 43.64	− 5 0.3	2.580	3.505	7.8	21.8
8 29	23 37.55	− 5 44.5	2.525	3.504	4.8	21.6
9 8	23 30.50	− 6 32.5	2.498	3.502	1.7	21.4
9 18	23 23.09	− 7 20.0	2.501	3.500	2.1	21.5
9 28	23 15.98	− 8 2.8	2.533	3.497	5.2	21.7
10 8	23 9.79	− 8 37.2	2.592	3.494	8.2	21.9
10 18	23 5.02	− 9 0.8	2.677	3.491	10.8	22.0

252706 2002 CK_{123} 9 13.5 234°.24 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.05	− 1 31.9	2.381	3.224	11.7	21.7
8 19	23 43.65	− 2 2.0	2.295	3.216	8.8	21.5
8 29	23 37.66	− 2 42.2	2.232	3.208	5.6	21.3
9 8	23 30.57	− 3 29.3	2.196	3.200	2.0	21.1
9 18	23 23.02	− 4 18.8	2.189	3.191	1.7	21.0
9 28	23 15.75	− 5 5.8	2.211	3.182	5.3	21.3
10 8	23 9.49	− 5 45.8	2.261	3.173	8.7	21.5
10 18	23 4.79	− 6 15.5	2.335	3.164	11.7	21.7

423765 2006 DZ_{107} 9 13.5 80°.68 0°.9/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.93	+ 3 51.8	1.744	2.585	15.3	20.9
8 19	23 43.89	+ 2 51.8	1.684	2.602	11.7	20.7
8 29	23 37.90	+ 1 33.2	1.646	2.618	7.6	20.5
9 8	23 30.65	+ 0 1.4	1.634	2.635	3.2	20.3
9 18	23 23.00	− 1 36.1	1.648	2.651	1.9	20.2
9 28	23 15.93	− 3 10.5	1.691	2.667	6.1	20.5
10 8	23 10.27	− 4 33.9	1.760	2.683	10.1	20.8
10 18	23 6.61	− 5 40.9	1.853	2.699	13.5	21.1

194147 2001 SW_{349} 9 13.5 344°.03 3°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.13	−11 11.2	2.186	3.058	11.5	20.0
8 19	23 43.06	−11 49.6	2.115	3.053	8.6	19.8
8 29	23 37.31	−12 31.7	2.067	3.048	5.5	19.6
9 8	23 30.44	−13 12.4	2.046	3.044	3.1	19.5
9 18	23 23.15	−13 46.7	2.052	3.040	4.2	19.6
9 28	23 16.24	−14 10.1	2.086	3.037	7.2	19.7
10 8	23 10.46	−14 19.5	2.145	3.034	10.3	19.9
10 18	23 6.36	−14 13.9	2.227	3.031	13.0	20.1

443441 2014 HP_{151} 9 13.5 269°.03 2°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.14	− 7 22.4	1.935	2.800	13.0	21.5
8 19	23 45.55	− 7 58.2	1.858	2.793	9.8	21.3
8 29	23 39.01	− 8 41.6	1.804	2.786	6.1	21.1
9 8	23 31.09	− 9 27.4	1.776	2.778	2.6	20.8
9 18	23 22.62	−10 9.9	1.775	2.771	3.5	20.9
9 28	23 14.55	−10 43.3	1.802	2.763	7.3	21.1
10 8	23 7.79	−11 3.5	1.854	2.756	10.9	21.3
10 18	23 2.98	−11 8.5	1.929	2.748	14.2	21.5

47996 2000 YY_{139} 9 13.5 78°.52 1°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.32	− 9 40.0	1.411	2.266	17.5	18.3
8 19	23 59.43	− 9 8.8	1.359	2.286	13.2	18.1
8 29	23 47.67	− 8 40.3	1.328	2.306	8.2	17.9
9 8	23 34.13	− 8 10.9	1.324	2.327	3.1	17.7
9 18	23 20.27	− 7 37.3	1.348	2.347	3.4	17.7
9 28	23 7.63	− 6 57.6	1.400	2.367	8.3	18.1
10 8	22 57.44	− 6 10.7	1.478	2.386	12.7	18.4
10 18	22 50.37	− 5 17.2	1.578	2.406	16.4	18.7

316461 2010 UQ_{91} 9 13.5 303°.08 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.91	+ 4 16.1	4.197	5.003	7.7	21.1
8 19	23 38.44	+ 4 9.2	4.104	4.998	6.0	20.9
8 29	23 34.12	+ 3 55.0	4.035	4.993	4.1	20.8
9 8	23 29.24	+ 3 34.8	3.995	4.988	2.2	20.6
9 18	23 24.14	+ 3 10.1	3.984	4.983	1.4	20.6
9 28	23 19.19	+ 2 43.3	4.002	4.978	3.0	20.7
10 8	23 14.75	+ 2 16.5	4.050	4.973	4.9	20.8
10 18	23 11.13	+ 1 52.1	4.125	4.968	6.7	21.0

355065 2006 SE_{195} 9 13.5 1°.25 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.73	+ 3 16.8	1.884	2.725	14.4	20.4
8 19	23 43.01	+ 2 40.7	1.808	2.724	11.1	20.2
8 29	23 37.41	+ 1 47.7	1.753	2.724	7.3	19.9
9 8	23 30.51	+ 0 41.7	1.724	2.724	3.2	19.7
9 18	23 23.11	− 0 31.8	1.722	2.724	1.9	19.6
9 28	23 16.11	− 1 45.5	1.748	2.725	5.8	19.9
10 8	23 10.38	− 2 52.5	1.799	2.725	9.7	20.1
10 18	23 6.52	− 3 47.4	1.875	2.726	13.2	20.3

10278 Virkki 9 13.5 1°.58 0°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.02	− 1 3.6	0.886	1.789	21.2	17.1
8 19	23 43.28	− 1 22.6	0.833	1.786	16.2	16.8
8 29	23 38.29	− 2 4.2	0.797	1.784	10.3	16.5
9 8	23 30.97	− 3 1.8	0.779	1.784	3.7	16.2
9 18	23 22.75	− 4 5.3	0.783	1.786	3.0	16.1
9 28	23 15.39	− 5 2.4	0.807	1.789	9.6	16.5
10 8	23 10.40	− 5 42.9	0.851	1.794	15.4	16.9
10 18	23 8.66	− 6 1.3	0.912	1.800	20.4	17.2

161017 2002 EP_{106} 9 13.5 293°.72 1°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.60	−10 19.5	4.398	5.256	6.4	19.8
8 19	23 37.43	−10 57.4	4.321	5.254	4.7	19.7
8 29	23 33.47	−11 37.5	4.271	5.251	3.0	19.6
9 8	23 29.02	−12 17.3	4.250	5.248	1.6	19.5
9 18	23 24.36	−12 54.3	4.258	5.246	2.3	19.5
9 28	23 19.87	−13 26.1	4.297	5.243	4.0	19.6
10 8	23 15.87	−13 51.0	4.363	5.241	5.7	19.8
10 18	23 12.64	−14 7.6	4.454	5.238	7.3	19.9

495611 2015 DY_{154} 9 13.5 222°.62 1°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.01	− 4 27.4	1.794	2.654	14.1	21.6
8 19	23 46.41	− 5 27.8	1.714	2.646	10.6	21.4
8 29	23 39.66	− 6 40.8	1.656	2.638	6.5	21.1
9 8	23 31.37	− 8 0.3	1.625	2.628	2.5	20.8
9 18	23 22.42	− 9 18.5	1.621	2.619	3.4	20.9
9 28	23 13.86	−10 27.6	1.646	2.608	7.7	21.1
10 8	23 6.70	−11 21.2	1.695	2.598	11.7	21.3
10 18	23 1.65	−11 55.8	1.767	2.586	15.3	21.5

479816 2014 FD_{39} 9 13.5 84°.43 4°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.20	−16 8.4	1.873	2.743	13.2	21.4
8 19	23 49.22	−16 41.6	1.819	2.753	10.0	21.2
8 29	23 41.18	−17 13.6	1.787	2.762	6.8	21.1
9 8	23 31.83	−17 38.3	1.782	2.772	4.8	21.0
9 18	23 22.13	−17 50.3	1.804	2.781	6.0	21.1
9 28	23 13.11	−17 46.0	1.853	2.791	8.9	21.3
10 8	23 5.68	−17 24.4	1.927	2.800	12.0	21.5
10 18	23 0.43	−16 46.6	2.023	2.810	14.7	21.7

353673 2011 UR_{219} 9 13.5 17°.85 2°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.50	− 7 37.4	1.743	2.614	13.9	20.6
8 19	23 45.18	− 8 16.3	1.678	2.616	10.4	20.4
8 29	23 38.80	− 9 3.0	1.635	2.618	6.4	20.1
9 8	23 31.03	− 9 51.4	1.618	2.620	2.8	19.9
9 18	23 22.76	−10 35.3	1.628	2.623	3.8	20.0
9 28	23 15.03	−11 8.7	1.664	2.626	7.7	20.3
10 8	23 8.74	−11 27.3	1.725	2.629	11.5	20.5
10 18	23 4.54	−11 29.5	1.808	2.632	14.7	20.7

513759 2012 WA_{24} 9 13.5 292°.66 7°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.22	−21 59.2	1.692	2.569	14.0	21.0
8 19	23 49.11	−23 1.5	1.620	2.551	11.2	20.8
8 29	23 41.49	−23 59.9	1.570	2.533	8.7	20.6
9 8	23 32.07	−24 45.1	1.544	2.515	7.9	20.5
9 18	23 21.89	−25 9.2	1.544	2.496	9.3	20.5
9 28	23 12.25	−25 6.8	1.568	2.478	12.2	20.7
10 8	23 4.30	−24 37.0	1.614	2.460	15.3	20.8
10 18	22 58.84	−23 42.1	1.680	2.442	18.2	21.0

439963 2001 UF_{136} 9 13.5 279°.44 2°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.84	+ 6 17.4	2.226	3.042	13.3	21.6
8 19	23 43.81	+ 5 57.5	2.117	3.015	10.6	21.4
8 29	23 37.98	+ 5 20.9	2.029	2.988	7.4	21.1
9 8	23 30.80	+ 4 29.2	1.967	2.961	4.0	20.9
9 18	23 22.92	+ 3 25.8	1.933	2.933	2.5	20.7
9 28	23 15.19	+ 2 16.2	1.928	2.904	5.4	20.9
10 8	23 8.44	+ 1 7.0	1.949	2.876	9.1	21.1
10 18	23 3.37	+ 0 4.1	1.996	2.847	12.5	21.2

273581 2007 CQ_{22} 9 13.5 192°.90 0°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.79	− 2 59.9	1.905	2.757	13.8	21.8
8 19	23 46.81	− 3 39.6	1.828	2.755	10.4	21.6
8 29	23 39.81	− 4 30.9	1.775	2.753	6.5	21.3
9 8	23 31.42	− 5 28.9	1.747	2.751	2.3	21.1
9 18	23 22.47	− 6 27.7	1.748	2.748	2.5	21.1
9 28	23 13.96	− 7 20.7	1.777	2.745	6.7	21.3
10 8	23 6.79	− 8 2.4	1.832	2.741	10.6	21.6
10 18	23 1.64	− 8 29.5	1.910	2.737	14.0	21.8

392718 2012 KN 9 13.5 293°.88 0°.4/14.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.40	− 1 18.6	4.441	5.263	7.0	20.7
8 19	23 40.95	− 1 14.1	4.351	5.259	5.3	20.5
8 29	23 35.66	− 1 14.1	4.286	5.255	3.4	20.4
9 8	23 29.83	− 1 17.3	4.251	5.252	1.4	20.2
9 18	23 23.78	− 1 22.3	4.246	5.248	0.9	20.2
9 28	23 17.89	− 1 27.5	4.272	5.244	2.9	20.4
10 8	23 12.52	− 1 31.1	4.328	5.240	4.9	20.5
10 18	23 7.97	− 1 31.7	4.411	5.237	6.7	20.6

62973 2000 VP_{51} 9 13.5 218.°99 2.°8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.74	− 9 13.0	2.151	3.019	11.8	19.9
8 19	23 43.55	−10 8.8	2.081	3.018	8.8	19.7
8 29	23 37.65	−11 10.5	2.035	3.017	5.5	19.5
9 8	23 30.62	−12 12.4	2.017	3.016	2.9	19.3
9 18	23 23.15	−13 8.7	2.026	3.015	4.1	19.4
9 28	23 16.07	−13 53.8	2.063	3.014	7.2	19.6
10 8	23 10.15	−14 23.9	2.126	3.013	10.4	19.8
10 18	23 5.93	−14 37.5	2.211	3.013	13.2	20.0

81024 2000 EZ_{42} 9 13.5 345.°20 2.°6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.31	−10 7.1	1.549	2.424	15.2	18.5
8 19	23 49.13	−10 8.2	1.479	2.417	11.5	18.3
8 29	23 41.45	−10 13.4	1.429	2.412	7.2	18.0
9 8	23 32.05	−10 17.4	1.405	2.407	3.2	17.8
9 18	23 21.99	−10 15.3	1.406	2.403	4.1	17.8
9 28	23 12.54	−10 2.8	1.434	2.399	8.4	18.1
10 8	23 4.83	− 9 37.3	1.486	2.396	12.6	18.3
10 18	22 59.63	− 8 58.5	1.560	2.394	16.2	18.5

403983 2012 BP_{105} 9 13.5 165.°58 5.°3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.32	−22 1.0	2.913	3.777	9.2	21.4
8 19	23 43.59	−23 13.7	2.858	3.782	7.2	21.3
8 29	23 37.50	−24 23.1	2.830	3.786	5.7	21.2
9 8	23 30.52	−25 23.7	2.829	3.789	5.3	21.2
9 18	23 23.24	−26 11.1	2.856	3.792	6.4	21.3
9 28	23 16.30	−26 41.9	2.911	3.795	8.1	21.4
10 8	23 10.30	−26 54.9	2.990	3.798	10.0	21.5
10 18	23 5.69	−26 50.4	3.091	3.800	11.7	21.7

454998 2015 TQ_{243} 9 13.5 354.°79 1.°8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.80	− 7 54.6	1.905	2.770	13.2	20.4
8 19	23 46.03	− 8 6.6	1.833	2.768	9.9	20.2
8 29	23 39.30	− 8 24.3	1.784	2.766	6.1	19.9
9 8	23 31.23	− 8 43.3	1.762	2.764	2.5	19.7
9 18	23 22.67	− 8 59.1	1.766	2.763	3.1	19.8
9 28	23 14.59	− 9 7.4	1.798	2.763	6.9	20.0
10 8	23 7.86	− 9 4.9	1.855	2.763	10.6	20.2
10 18	23 3.12	− 8 50.3	1.935	2.763	13.8	20.4

312962 1997 SM_{30} 9 13.5 336.°09 0.°7/12.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.68	− 5 31.8	3.422	4.272	8.3	20.4
8 19	23 39.22	− 5 52.2	3.334	4.261	6.2	20.2
8 29	23 34.72	− 6 17.5	3.272	4.251	3.8	20.1
9 8	23 29.53	− 6 45.0	3.237	4.241	1.4	19.9
9 18	23 24.06	− 7 12.2	3.232	4.231	1.7	19.9
9 28	23 18.78	− 7 36.1	3.256	4.222	4.1	20.1
10 8	23 14.14	− 7 54.3	3.308	4.213	6.5	20.2
10 18	23 10.51	− 8 5.1	3.386	4.204	8.6	20.4

391998 2008 YW_{114} 9 13.5 169.°68 5.°6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.57	+14 16.3	2.167	2.936	15.1	21.6
8 19	23 46.53	+14 41.0	2.083	2.938	12.6	21.4
8 29	23 39.61	+14 46.5	2.019	2.940	9.8	21.2
9 8	23 31.37	+14 32.3	1.980	2.942	7.1	21.0
9 18	23 22.57	+13 59.7	1.966	2.943	5.6	21.0
9 28	23 14.12	+13 12.6	1.981	2.944	6.5	21.0
10 8	23 6.87	+12 17.1	2.022	2.945	9.0	21.2
10 18	23 1.47	+11 19.7	2.088	2.945	11.7	21.4

315836 2008 GW_{133} 9 13.5 231.°12 4.°0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.38	−14 29.9	2.337	3.206	11.0	21.0
8 19	23 44.69	−15 23.1	2.265	3.200	8.3	20.8
8 29	23 38.35	−16 18.0	2.218	3.194	5.6	20.6
9 8	23 30.88	−17 8.8	2.197	3.188	4.0	20.5
9 18	23 22.98	−17 50.3	2.205	3.181	5.2	20.6
9 28	23 15.45	−18 17.9	2.241	3.175	7.8	20.7
10 8	23 9.02	−18 29.1	2.302	3.168	10.6	20.9
10 18	23 4.25	−18 23.5	2.386	3.161	13.1	21.1

514047 2014 NM_{24} 9 13.5 65.°28 7.°1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.01	+19 28.2	2.203	2.942	15.7	20.8
8 19	23 44.57	+20 0.6	2.128	2.953	13.4	20.7
8 29	23 38.35	+20 11.2	2.071	2.963	11.0	20.5
9 8	23 30.91	+19 58.8	2.037	2.973	8.7	20.4
9 18	23 22.98	+19 24.5	2.028	2.984	7.2	20.3
9 28	23 15.44	+18 31.9	2.045	2.995	7.4	20.4
10 8	23 9.09	+17 27.3	2.088	3.005	9.1	20.5
10 18	23 4.53	+16 17.7	2.156	3.016	11.3	20.7

99037 2001 EW_{2} 9 13.5 203.°71 7.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.32	−23 31.7	2.139	3.008	11.8	19.8
8 19	23 47.12	−24 54.9	2.081	3.005	9.5	19.6
8 29	23 39.97	−26 13.3	2.048	3.001	7.7	19.5
9 8	23 31.49	−27 19.0	2.040	2.996	7.4	19.5
9 18	23 22.53	−28 5.3	2.059	2.992	8.7	19.5
9 28	23 14.06	−28 27.8	2.104	2.986	10.9	19.7
10 8	23 6.95	−28 25.7	2.171	2.981	13.2	19.8
10 18	23 1.82	−28 0.7	2.258	2.974	15.4	20.0

436396 2010 VD_{179} 9 13.5 286.°91 6.°0/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.01	−36 38.5	4.336	5.162	7.1	21.2
8 19	23 41.63	−37 26.6	4.280	5.146	6.4	21.1
8 29	23 36.19	−38 6.7	4.248	5.130	6.0	21.1
9 8	23 30.07	−38 35.4	4.242	5.114	6.2	21.1
9 18	23 23.70	−38 50.3	4.262	5.098	6.8	21.1
9 28	23 17.57	−38 49.8	4.305	5.082	7.8	21.2
10 8	23 12.13	−38 33.7	4.370	5.066	8.7	21.2
10 18	23 7.75	−38 3.0	4.455	5.050	9.7	21.3

26830 1990 BB 9 13.5 212.°97 4.°8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.31	+13 17.1	2.391	3.161	13.8	18.3
8 19	23 45.47	+13 31.1	2.297	3.155	11.4	18.1
8 29	23 38.92	+13 27.7	2.224	3.149	8.8	17.9
9 8	23 31.14	+13 6.6	2.176	3.143	6.2	17.8
9 18	23 22.81	+12 29.4	2.155	3.136	4.8	17.7
9 28	23 14.74	+11 40.0	2.162	3.128	5.8	17.7
10 8	23 7.70	+10 43.6	2.196	3.120	8.3	17.9
10 18	23 2.32	+ 9 46.3	2.257	3.112	11.1	18.0

372849 2010 VN_{128} 9 13.5 33.°49 4.°5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.20	+ 7 44.3	1.093	1.949	21.4	20.2
8 19	23 45.88	+ 7 52.3	1.042	1.960	17.1	20.0
8 29	23 39.66	+ 7 32.0	1.007	1.973	12.1	19.7
9 8	23 31.47	+ 6 45.7	0.993	1.986	7.0	19.5
9 18	23 22.62	+ 5 39.9	1.001	2.000	4.5	19.4
9 28	23 14.64	+ 4 25.0	1.033	2.015	7.9	19.7
10 8	23 8.83	+ 3 12.6	1.087	2.030	12.7	20.0
10 18	23 5.93	+ 2 12.2	1.161	2.047	17.0	20.3

207218 2005 EG_{89} 9 13.5 43.°14 2.°0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.80	+ 2 18.5	1.496	2.345	17.0	19.9
8 19	23 47.05	+ 2 23.8	1.444	2.364	13.1	19.7
8 29	23 40.02	+ 2 12.5	1.413	2.384	8.7	19.5
9 8	23 31.52	+ 1 47.9	1.405	2.404	4.1	19.3
9 18	23 22.60	+ 1 14.7	1.423	2.425	2.4	19.3
9 28	23 14.44	+ 0 39.4	1.467	2.445	6.5	19.6
10 8	23 8.02	+ 0 8.1	1.536	2.467	10.7	19.9
10 18	23 3.96	− 0 14.3	1.627	2.489	14.3	20.1

455119 2015 VZ_{29} 9 13.5 131.°50 3.°5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.66	+10 1.7	2.490	3.281	12.7	20.4
8 19	23 43.31	+10 1.6	2.408	3.285	10.3	20.3
8 29	23 37.45	+ 9 46.1	2.348	3.289	7.6	20.1
9 8	23 30.58	+ 9 16.1	2.313	3.293	4.9	19.9
9 18	23 23.31	+ 8 34.2	2.306	3.297	3.5	19.8
9 28	23 16.34	+ 7 44.4	2.327	3.300	4.9	19.9
10 8	23 10.37	+ 6 52.0	2.377	3.304	7.6	20.1
10 18	23 5.89	+ 6 1.6	2.452	3.307	10.3	20.3

101305 1998 SL_{133} 9 13.5 303.°56 1.°5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.78	+ 2 5.0	1.410	2.269	17.3	19.5
8 19	23 45.47	+ 1 51.7	1.319	2.246	13.6	19.2
8 29	23 39.52	+ 1 18.6	1.247	2.222	9.0	18.9
9 8	23 31.52	+ 0 28.4	1.197	2.199	4.0	18.6
9 18	23 22.45	− 0 33.5	1.173	2.175	2.4	18.4
9 28	23 13.65	− 1 38.4	1.173	2.152	7.7	18.7
10 8	23 6.44	− 2 37.0	1.197	2.130	12.9	18.9
10 18	23 1.82	− 3 21.9	1.242	2.108	17.5	19.1

128801 2004 RZ_{233} 9 13.5 95.°87 2.°7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.14	− 7 45.6	1.315	2.192	17.3	20.0
8 19	23 50.74	− 8 16.8	1.259	2.199	12.9	19.8
8 29	23 42.55	− 8 57.0	1.223	2.206	8.0	19.5
9 8	23 32.49	− 9 39.0	1.211	2.213	3.4	19.3
9 18	23 21.82	−10 14.8	1.224	2.221	4.4	19.4
9 28	23 12.00	−10 37.5	1.262	2.227	9.2	19.7
10 8	23 4.28	−10 43.0	1.324	2.234	13.8	19.9
10 18	22 59.39	−10 30.1	1.406	2.241	17.6	20.2

145649 4233 $P–L$ 9 13.5 336.°20 1.°0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.70	+ 0 30.8	1.485	2.349	16.3	19.6
8 19	23 43.59	+ 0 20.7	1.405	2.336	12.6	19.3
8 29	23 38.13	− 0 5.9	1.345	2.323	8.2	19.0
9 8	23 30.95	− 0 45.7	1.309	2.311	3.4	18.7
9 18	23 22.99	− 1 33.0	1.297	2.300	2.1	18.6
9 28	23 15.44	− 2 20.5	1.311	2.289	7.1	18.9
10 8	23 9.42	− 3 0.9	1.348	2.280	11.8	19.2
10 18	23 5.75	− 3 28.8	1.407	2.272	15.9	19.4

208152 2000 GL_{54} 9 13.5 120.°58 1.°9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.27	− 7 14.4	2.100	2.959	12.4	20.5
8 19	23 46.15	− 7 49.6	2.037	2.968	9.2	20.3
8 29	23 39.26	− 8 31.2	1.997	2.977	5.7	20.1
9 8	23 31.24	− 9 14.4	1.984	2.987	2.4	19.9
9 18	23 22.83	− 9 53.9	2.000	2.995	3.1	20.0
9 28	23 14.92	−10 24.9	2.043	3.004	6.6	20.2
10 8	23 8.28	−10 44.1	2.114	3.012	9.9	20.5
10 18	23 3.46	−10 49.7	2.207	3.021	12.8	20.7

252173 2001 DL_{10} 9 13.5 284°.54 2°.1/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.90	−12 34.2	4.285	5.147	6.5	19.7
8 19	23 37.73	−13 19.0	4.205	5.138	4.8	19.6
8 29	23 33.74	−14 5.3	4.151	5.128	3.1	19.5
9 8	23 29.20	−14 50.5	4.126	5.119	2.1	19.4
9 18	23 24.45	−15 31.8	4.130	5.110	2.8	19.4
9 28	23 19.84	−16 6.6	4.164	5.101	4.4	19.5
10 8	23 15.74	−16 33.2	4.226	5.091	6.2	19.6
10 18	23 12.43	−16 50.3	4.312	5.082	7.7	19.8

426184 2012 JP_{27} 9 13.5 170°.75 1°.7/11.9 17

8 9	23 52.92	− 4 57.1	1.806	2.664	14.1	22.3
8 19	23 47.74	− 5 46.7	1.737	2.668	10.6	22.1
8 29	23 40.44	− 6 46.9	1.690	2.671	6.5	21.9
9 8	23 31.71	− 7 51.7	1.670	2.673	2.5	21.6
9 18	23 22.44	− 8 54.4	1.677	2.675	3.2	21.7
9 28	23 13.69	− 9 47.8	1.712	2.676	7.4	21.9
10 8	23 6.41	−10 27.0	1.773	2.677	11.3	22.2
10 18	23 1.25	−10 49.2	1.857	2.676	14.6	22.4

136677 1995 SW_{24} 9 13.5 292°.41 3°.1/11.4 18

8 9	23 54.30	− 9 11.7	1.437	2.314	16.0	20.1
8 19	23 49.39	− 9 38.9	1.366	2.306	12.1	19.8
8 29	23 41.79	−10 13.4	1.315	2.298	7.6	19.5
9 8	23 32.28	−10 48.5	1.288	2.290	3.6	19.3
9 18	23 21.97	−11 17.1	1.287	2.282	4.7	19.3
9 28	23 12.25	−11 32.5	1.311	2.274	9.2	19.6
10 8	23 4.37	−11 30.7	1.359	2.266	13.7	19.8
10 18	22 59.16	−11 10.6	1.427	2.258	17.6	20.1

178459 1999 RQ_{63} 9 13.5 17°.70 0°.8/14.2 18

8 9	23 46.07	+ 0 5.6	1.354	2.226	17.1	19.0
8 19	23 43.00	− 0 8.0	1.302	2.237	13.0	18.8
8 29	23 37.61	− 0 38.1	1.270	2.249	8.3	18.6
9 8	23 30.69	− 1 19.9	1.261	2.263	3.3	18.3
9 18	23 23.30	− 2 7.0	1.276	2.279	2.1	18.3
9 28	23 16.60	− 2 51.7	1.316	2.295	7.0	18.6
10 8	23 11.61	− 3 27.3	1.380	2.313	11.5	18.9
10 18	23 8.96	− 3 49.4	1.465	2.332	15.3	19.2

44147 1998 HB_{103} 9 13.5 166°.33 4°.3/10.1 18

8 9	23 54.82	−11 55.3	1.536	2.413	15.2	18.3
8 19	23 49.50	−12 44.5	1.475	2.414	11.4	18.1
8 29	23 41.69	−13 38.4	1.435	2.416	7.4	17.8
9 8	23 32.19	−14 29.0	1.420	2.417	4.5	17.7
9 18	23 22.08	−15 8.5	1.431	2.418	5.8	17.8
9 28	23 12.67	−15 30.6	1.468	2.419	9.7	18.0
10 8	23 5.05	−15 32.2	1.529	2.419	13.6	18.2
10 18	22 59.96	−15 13.5	1.611	2.420	17.0	18.5

151776 2003 EZ_{41} 9 13.5 52°.26 0°.3/13.8 16

8 9	23 49.13	+ 1 48.0	1.351	2.213	17.7	19.3
8 19	23 45.17	+ 0 50.9	1.307	2.238	13.4	19.1
8 29	23 38.87	− 0 25.7	1.284	2.263	8.4	18.9
9 8	23 31.12	− 1 54.4	1.285	2.288	3.2	18.7
9 18	23 23.00	− 3 25.9	1.311	2.314	2.2	18.7
9 28	23 15.71	− 4 50.1	1.363	2.339	7.2	19.0
10 8	23 10.23	− 5 59.0	1.440	2.365	11.7	19.4
10 18	23 7.15	− 6 48.2	1.538	2.391	15.4	19.7

143374 2003 BE_{13} 9 13.5 153°.96 1°.7/11.9 17

8 9	23 52.35	− 5 27.9	1.940	2.797	13.4	20.1
8 19	23 47.13	− 6 15.1	1.874	2.804	10.0	19.9
8 29	23 39.98	− 7 11.4	1.830	2.811	6.1	19.7
9 8	23 31.53	− 8 11.3	1.814	2.817	2.4	19.5
9 18	23 22.62	− 9 8.5	1.825	2.822	3.1	19.6
9 28	23 14.22	− 9 56.9	1.865	2.827	7.0	19.8
10 8	23 7.19	−10 32.0	1.931	2.832	10.6	20.1
10 18	23 2.14	−10 51.3	2.020	2.835	13.7	20.3

155860 2001 BT_{77} 9 13.5 235°.09 0°.3/13.2 18

8 9	23 50.74	− 3 41.8	2.399	3.243	11.6	20.3
8 19	23 45.67	− 3 51.9	2.315	3.237	8.7	20.1
8 29	23 38.98	− 4 9.5	2.255	3.232	5.5	19.9
9 8	23 31.16	− 4 31.6	2.222	3.226	1.9	19.6
9 18	23 22.89	− 4 54.6	2.218	3.220	1.8	19.6
9 28	23 14.94	− 5 14.8	2.243	3.213	5.4	19.8
10 8	23 8.05	− 5 28.7	2.296	3.207	8.7	20.0
10 18	23 2.76	− 5 34.0	2.374	3.201	11.6	20.2

485842 2012 DZ_{79} 9 13.5 217°.21 7°.1/ 2.1 18

8 9	23 47.84	−25 56.9	2.620	3.486	10.0	20.9
8 19	23 43.58	−27 49.3	2.564	3.480	8.3	20.8
8 29	23 37.70	−29 36.7	2.535	3.474	7.2	20.8
9 8	23 30.71	−31 11.8	2.534	3.467	7.3	20.8
9 18	23 23.25	−32 28.2	2.560	3.460	8.6	20.8
9 28	23 16.09	−33 21.7	2.611	3.453	10.4	20.9
10 8	23 9.96	−33 50.9	2.684	3.446	12.2	21.1
10 18	23 5.40	−33 56.7	2.777	3.438	13.9	21.2

223385 2003 SV_{73} 9 13.5 292°.45 0°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.94	− 2 28.6	2.298	3.144	11.9	20.9
8 19	23 44.41	− 2 41.0	2.214	3.137	9.1	20.7
8 29	23 38.23	− 3 2.1	2.153	3.129	5.7	20.5
9 8	23 30.90	− 3 29.2	2.119	3.122	2.1	20.2
9 18	23 23.11	− 3 58.3	2.114	3.115	1.7	20.2
9 28	23 15.62	− 4 25.3	2.136	3.109	5.4	20.5
10 8	23 9.19	− 4 46.2	2.186	3.102	8.8	20.7
10 18	23 4.39	− 4 58.2	2.261	3.095	11.8	20.8

13561 Kudogou 9 13.5 0°.91 2°.3/11.9 18

8 9	23 54.69	−10 29.0	1.809	2.675	13.8	16.6
8 19	23 49.05	−10 21.4	1.739	2.674	10.3	16.4
8 29	23 41.25	−10 16.4	1.692	2.673	6.5	16.2
9 8	23 32.01	−10 9.7	1.671	2.673	2.9	15.9
9 18	23 22.26	− 9 57.8	1.678	2.674	3.6	16.0
9 28	23 13.10	− 9 37.3	1.711	2.675	7.4	16.2
10 8	23 5.48	− 9 6.6	1.771	2.677	11.1	16.5
10 18	23 0.06	− 8 25.4	1.854	2.680	14.4	16.7

252182 2001 DU_{81} 9 13.5 187°.32 0°.8/14.5 18

8 9	23 48.87	+ 0 42.1	2.526	3.357	11.5	21.3
8 19	23 44.18	+ 0 28.6	2.444	3.356	8.8	21.2
8 29	23 38.00	+ 0 5.0	2.386	3.356	5.7	21.0
9 8	23 30.81	− 0 26.1	2.354	3.355	2.4	20.8
9 18	23 23.21	− 1 1.5	2.352	3.354	1.5	20.7
9 28	23 15.93	− 1 37.2	2.378	3.353	4.7	20.9
10 8	23 9.61	− 2 8.9	2.433	3.351	7.9	21.1
10 18	23 4.78	− 2 33.7	2.513	3.350	10.7	21.3

397629 2007 VE_{332} 9 13.5 89°.01 3°.5/17.3 18

8 9	23 50.54	+ 8 30.8	2.120	2.924	14.3	20.7
8 19	23 45.64	+ 8 38.2	2.051	2.937	11.4	20.5
8 29	23 38.99	+ 8 29.2	2.003	2.950	8.2	20.3
9 8	23 31.17	+ 8 4.9	1.979	2.964	5.1	20.2
9 18	23 22.94	+ 7 28.3	1.983	2.977	3.5	20.1
9 28	23 15.17	+ 6 44.0	2.016	2.990	5.5	20.2
10 8	23 8.62	+ 5 57.7	2.075	3.003	8.5	20.5
10 18	23 3.87	+ 5 14.7	2.159	3.016	11.4	20.7

38597 1999 XU_{200} 9 13.5 246°.76 3°.6/ 5.3 18

8 9	23 42.36	−23 47.4	4.750	5.609	6.0	19.7
8 19	23 38.75	−24 28.4	4.684	5.602	4.8	19.6
8 29	23 34.35	−25 6.5	4.645	5.595	3.9	19.5
9 8	23 29.44	−25 39.0	4.633	5.587	3.6	19.5
9 18	23 24.33	−26 3.6	4.650	5.580	4.3	19.6
9 28	23 19.39	−26 18.6	4.695	5.572	5.4	19.6
10 8	23 14.96	−26 22.9	4.765	5.565	6.7	19.7
10 18	23 11.32	−26 16.4	4.858	5.557	7.8	19.8

373834 2002 XD_{113} 9 13.5 292°.46 2°.0/11.9 18

8 9	23 52.31	− 5 35.6	1.562	2.430	15.4	21.6
8 19	23 48.10	− 6 13.9	1.459	2.395	11.8	21.3
8 29	23 41.22	− 7 5.6	1.378	2.360	7.5	21.0
9 8	23 32.20	− 8 5.2	1.321	2.324	2.9	20.6
9 18	23 21.98	− 9 5.2	1.290	2.288	3.9	20.6
9 28	23 11.86	− 9 56.8	1.285	2.251	8.9	20.8
10 8	23 3.19	−10 32.7	1.304	2.214	13.9	21.0
10 18	22 57.03	−10 48.5	1.344	2.177	18.4	21.2

25043 Fangxing 9 13.5 334°.86 1°.9/15.3 18

8 9	23 47.19	+ 3 45.9	1.604	2.452	16.1	18.8
8 19	23 43.78	+ 3 27.8	1.526	2.445	12.6	18.6
8 29	23 38.16	+ 2 50.8	1.468	2.439	8.5	18.4
9 8	23 30.96	+ 1 57.9	1.434	2.433	4.0	18.1
9 18	23 23.09	+ 0 54.5	1.425	2.428	2.3	18.0
9 28	23 15.65	− 0 11.8	1.443	2.423	6.5	18.2
10 8	23 9.65	− 1 12.8	1.486	2.418	10.9	18.5
10 18	23 5.85	− 2 2.2	1.551	2.414	14.8	18.7

328130 2008 BY_{8} 9 13.5 146°.02 3°.6/10.2 17

8 9	23 53.91	−10 10.9	1.808	2.675	13.7	21.5
8 19	23 48.42	−11 14.4	1.750	2.685	10.2	21.3
8 29	23 40.83	−12 23.6	1.714	2.694	6.5	21.1
9 8	23 31.86	−13 31.2	1.705	2.703	3.7	21.0
9 18	23 22.43	−14 29.9	1.724	2.711	5.0	21.1
9 28	23 13.62	−15 13.3	1.770	2.718	8.5	21.3
10 8	23 6.33	−15 38.0	1.842	2.725	12.0	21.5
10 18	23 1.21	−15 43.2	1.935	2.731	15.0	21.7

489644 2007 TP_{437} 9 13.5 318°.48 0°.8/14.2 17

8 9	23 47.87	− 0 5.9	1.457	2.323	16.5	21.2
8 19	23 44.76	− 0 12.8	1.361	2.293	12.8	20.9
8 29	23 39.09	− 0 36.1	1.285	2.263	8.4	20.6
9 8	23 31.42	− 1 13.0	1.231	2.234	3.4	20.2
9 18	23 22.66	− 1 58.2	1.203	2.206	2.3	20.1
9 28	23 14.10	− 2 44.5	1.199	2.178	7.6	20.3
10 8	23 7.04	− 3 23.7	1.219	2.151	12.8	20.5
10 18	23 2.49	− 3 49.8	1.260	2.125	17.4	20.8

81705 2000 JT_{21} 9 13.6 122°.55 0°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.26	− 1 6.9	2.019	2.864	13.4	19.6
8 19	23 45.55	− 1 27.8	1.946	2.869	10.1	19.4
8 29	23 39.00	− 1 59.9	1.897	2.873	6.4	19.2
9 8	23 31.22	− 2 39.7	1.874	2.877	2.4	18.9
9 18	23 22.98	− 3 22.5	1.878	2.881	1.8	18.9
9 28	23 15.18	− 4 2.9	1.911	2.884	5.8	19.2
10 8	23 8.64	− 4 36.0	1.970	2.888	9.5	19.4
10 18	23 3.95	− 4 58.6	2.054	2.892	12.7	19.6

476325 2007 YG_{26} 9 13.6 15°.37 6°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.88	−19 57.2	1.807	2.689	13.0	20.5
8 19	23 45.53	−21 15.7	1.754	2.690	10.2	20.3
8 29	23 39.09	−22 31.6	1.724	2.692	7.7	20.2
9 8	23 31.27	−23 36.1	1.720	2.693	6.9	20.1
9 18	23 22.97	−24 21.9	1.741	2.695	8.4	20.2
9 28	23 15.25	−24 44.1	1.787	2.697	11.0	20.4
10 8	23 9.03	−24 41.4	1.855	2.699	13.8	20.6
10 18	23 4.93	−24 15.2	1.944	2.701	16.2	20.8

523173 2016 TJ_{99} 9 13.6 343°.25 6°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.59	−15 41.6	1.809	2.694	12.9	21.4
8 19	23 43.84	−17 24.2	1.751	2.693	9.8	21.2
8 29	23 38.07	−19 9.1	1.717	2.692	7.0	21.0
9 8	23 30.92	−20 47.2	1.709	2.691	6.0	21.0
9 18	23 23.24	−22 9.3	1.728	2.691	7.6	21.1
9 28	23 16.04	−23 8.7	1.772	2.690	10.5	21.3
10 8	23 10.24	−23 42.1	1.839	2.690	13.5	21.5
10 18	23 6.45	−23 49.7	1.926	2.689	16.2	21.6

342773 2008 WM_{101} 9 13.6 354°.10 3°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.60	+ 3 56.1	1.537	2.378	17.1	19.5
8 19	23 47.95	+ 4 22.6	1.463	2.376	13.5	19.3
8 29	23 40.84	+ 4 32.6	1.409	2.374	9.3	19.0
9 8	23 31.98	+ 4 27.3	1.378	2.373	5.1	18.8
9 18	23 22.38	+ 4 9.5	1.373	2.372	3.3	18.7
9 28	23 13.30	+ 3 44.4	1.393	2.372	6.8	18.9
10 8	23 5.86	+ 3 18.6	1.439	2.372	11.1	19.2
10 18	23 0.88	+ 2 57.6	1.507	2.372	15.0	19.4

491777 2012 WD_{14} 9 13.6 275°.17 0°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.16	− 1 34.0	1.867	2.721	13.9	22.5
8 19	23 45.08	− 2 10.9	1.776	2.703	10.6	22.3
8 29	23 38.94	− 3 1.7	1.707	2.685	6.7	22.0
9 8	23 31.29	− 4 2.1	1.663	2.667	2.4	21.7
9 18	23 22.91	− 5 6.0	1.647	2.649	2.2	21.7
9 28	23 14.82	− 6 6.6	1.658	2.630	6.7	21.9
10 8	23 7.98	− 6 57.3	1.696	2.612	10.9	22.1
10 18	23 3.12	− 7 33.6	1.756	2.593	14.5	22.3

392453 2010 VO_{106} 9 13.6 291°.24 1°.7/10.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.63	−10 46.5	4.203	5.061	6.7	21.2
8 19	23 38.29	−11 20.7	4.123	5.055	5.0	21.1
8 29	23 34.12	−11 56.8	4.069	5.049	3.1	21.0
9 8	23 29.40	−12 32.5	4.044	5.042	1.8	20.9
9 18	23 24.47	−13 5.2	4.049	5.036	2.4	20.9
9 28	23 19.70	−13 32.5	4.083	5.029	4.2	21.0
10 8	23 15.45	−13 52.5	4.145	5.023	6.0	21.2
10 18	23 12.02	−14 4.1	4.232	5.017	7.6	21.3

88200 2000 YR_{78} 9 13.6 316°.86 0°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.30	− 3 29.0	1.856	2.718	13.6	19.5
8 19	23 43.65	− 3 59.1	1.770	2.703	10.3	19.3
8 29	23 38.00	− 4 40.6	1.707	2.687	6.4	19.0
9 8	23 30.93	− 5 29.2	1.668	2.672	2.3	18.7
9 18	23 23.22	− 6 19.2	1.657	2.658	2.5	18.7
9 28	23 15.83	− 7 4.2	1.673	2.644	6.8	18.9
10 8	23 9.68	− 7 38.9	1.714	2.630	10.8	19.1
10 18	23 5.47	− 7 59.4	1.778	2.617	14.3	19.3

4472 Navashin 9 13.6 313°.63 1°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.17	− 5 44.7	1.208	2.090	18.1	16.3
8 19	23 49.11	− 5 51.6	1.132	2.075	13.8	16.0
8 29	23 41.98	− 6 10.1	1.075	2.059	8.7	15.7
9 8	23 32.50	− 6 34.7	1.040	2.044	3.2	15.4
9 18	23 21.93	− 6 58.5	1.029	2.030	3.6	15.3
9 28	23 11.89	− 7 13.8	1.042	2.016	9.3	15.6
10 8	23 3.88	− 7 15.1	1.077	2.003	14.7	15.9
10 18	22 58.94	− 6 59.2	1.132	1.990	19.4	16.1

276484 2003 OC_{13} 9 13.6 39°.96 3°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.55	+ 5 16.4	1.266	2.115	19.5	19.4
8 19	23 47.92	+ 5 33.7	1.222	2.139	15.3	19.2
8 29	23 40.71	+ 5 29.1	1.197	2.164	10.5	19.0
9 8	23 31.86	+ 5 5.3	1.194	2.189	5.7	18.8
9 18	23 22.59	+ 4 27.5	1.215	2.215	3.7	18.8
9 28	23 14.27	+ 3 43.3	1.261	2.241	7.1	19.1
10 8	23 7.96	+ 3 1.0	1.331	2.268	11.4	19.4
10 18	23 4.32	+ 2 26.8	1.423	2.296	15.3	19.7

58009 2002 TU_{262} 9 13.6 231°.13 0°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.16	− 1 20.0	1.687	2.542	15.1	20.4
8 19	23 46.69	− 1 58.1	1.608	2.536	11.5	20.2
8 29	23 39.98	− 2 51.0	1.551	2.529	7.3	19.9
9 8	23 31.66	− 3 53.9	1.518	2.522	2.6	19.6
9 18	23 22.66	− 5 0.1	1.513	2.515	2.3	19.6
9 28	23 14.08	− 6 1.7	1.535	2.507	7.1	19.8
10 8	23 6.97	− 6 52.1	1.582	2.499	11.4	20.1
10 18	23 2.09	− 7 26.8	1.652	2.491	15.2	20.3

75588 2000 AQ_{16} 9 13.6 112°.43 4°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.51	−12 5.9	1.685	2.557	14.3	18.7
8 19	23 48.93	−13 12.1	1.636	2.574	10.7	18.5
8 29	23 41.16	−14 21.8	1.611	2.590	6.9	18.3
9 8	23 32.00	−15 27.0	1.611	2.606	4.4	18.2
9 18	23 22.46	−16 20.2	1.638	2.621	5.8	18.3
9 28	23 13.66	−16 55.3	1.693	2.636	9.2	18.6
10 8	23 6.54	−17 9.8	1.771	2.650	12.6	18.8
10 18	23 1.71	−17 3.9	1.871	2.664	15.5	19.0

483963 2006 BZ_{209} 9 13.6 206°.51 1°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.11	− 6 44.3	2.867	3.719	9.7	22.6
8 19	23 42.75	− 7 28.7	2.786	3.714	7.2	22.4
8 29	23 37.07	− 8 18.9	2.729	3.709	4.4	22.2
9 8	23 30.51	− 9 11.2	2.701	3.703	1.9	22.0
9 18	23 23.60	−10 1.4	2.702	3.697	2.5	22.1
9 28	23 16.93	−10 45.4	2.733	3.691	5.3	22.3
10 8	23 11.10	−11 19.9	2.792	3.684	8.0	22.4
10 18	23 6.56	−11 42.9	2.875	3.677	10.4	22.6

75257 1999 XX_{6} 9 13.6 195°.95 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.55	− 4 24.4	1.874	2.727	13.9	20.1
8 19	23 48.24	− 5 1.4	1.797	2.725	10.5	19.9
8 29	23 40.82	− 5 48.9	1.743	2.722	6.5	19.7
9 8	23 31.93	− 6 41.8	1.715	2.719	2.3	19.4
9 18	23 22.46	− 7 34.0	1.716	2.715	2.8	19.4
9 28	23 13.43	− 8 19.2	1.744	2.710	7.0	19.7
10 8	23 5.81	− 8 52.4	1.799	2.705	10.9	19.9
10 18	23 0.28	− 9 10.7	1.876	2.699	14.3	20.1

445853 2012 GH_{32} 9 13.6 243°.47 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.86	+ 5 48.3	2.682	3.493	11.4	21.4
8 19	23 41.97	+ 5 10.7	2.583	3.481	8.9	21.2
8 29	23 36.68	+ 4 18.9	2.508	3.468	6.1	21.0
9 8	23 30.40	+ 3 15.1	2.459	3.454	3.1	20.8
9 18	23 23.67	+ 2 3.2	2.440	3.441	1.8	20.6
9 28	23 17.16	+ 0 48.1	2.450	3.427	4.4	20.8
10 8	23 11.48	− 0 24.6	2.489	3.413	7.5	21.0
10 18	23 7.15	− 1 30.2	2.555	3.398	10.3	21.2

95326 2002 CC_{110} 9 13.6 350°.72 1°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.26	− 5 50.3	2.040	2.904	12.5	19.6
8 19	23 43.33	− 6 38.0	1.968	2.903	9.3	19.4
8 29	23 37.64	− 7 34.6	1.920	2.902	5.7	19.2
9 8	23 30.76	− 8 34.6	1.898	2.901	2.3	19.0
9 18	23 23.43	− 9 32.2	1.903	2.900	3.1	19.0
9 28	23 16.48	−10 21.5	1.937	2.900	6.7	19.3
10 8	23 10.72	−10 58.0	1.996	2.899	10.2	19.5
10 18	23 6.72	−11 19.1	2.078	2.899	13.2	19.7

469261 2016 JF_{30} 9 13.6 60°.00 1°.0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.36	− 3 40.3	1.219	2.094	18.4	20.6
8 19	23 49.44	− 4 6.1	1.172	2.110	13.8	20.4
8 29	23 41.75	− 4 45.7	1.144	2.127	8.6	20.1
9 8	23 32.27	− 5 32.5	1.140	2.144	3.0	19.8
9 18	23 22.31	− 6 18.4	1.160	2.161	3.1	19.9
9 28	23 13.30	− 6 55.4	1.205	2.178	8.4	20.3
10 8	23 6.45	− 7 17.8	1.273	2.195	13.2	20.6
10 18	23 2.42	− 7 23.0	1.362	2.213	17.1	20.9

120944 1998 TH_{23} 9 13.6 268°.60 4°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.38	−17 57.1	2.366	3.230	11.0	19.9
8 19	23 47.74	−18 27.4	2.290	3.219	8.5	19.7
8 29	23 40.33	−18 55.9	2.239	3.209	6.0	19.6
9 8	23 31.73	−19 17.4	2.214	3.199	4.6	19.5
9 18	23 22.68	−19 27.4	2.218	3.188	5.7	19.5
9 28	23 14.04	−19 22.6	2.250	3.177	8.1	19.6
10 8	23 6.59	−19 1.8	2.307	3.167	10.8	19.8
10 18	23 0.91	−18 25.5	2.387	3.156	13.3	20.0

477776 2011 BS_{4} 9 13.6 222°.49 2°.7/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.70	− 6 29.8	1.641	2.512	14.7	21.8
8 19	23 46.38	− 7 35.3	1.569	2.507	11.0	21.6
8 29	23 39.79	− 8 52.1	1.520	2.503	6.8	21.3
9 8	23 31.61	−10 13.1	1.496	2.498	3.1	21.1
9 18	23 22.77	−11 29.5	1.499	2.493	4.3	21.1
9 28	23 14.42	−12 33.2	1.528	2.488	8.5	21.4
10 8	23 7.59	−13 18.2	1.583	2.482	12.6	21.6
10 18	23 3.01	−13 41.9	1.658	2.476	16.1	21.8

128587 2004 QU_1 9 13.6 310°.42 6°.9/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.31	+15 18.3	2.032	2.802	15.9	19.8
8 19	23 45.97	+16 9.8	1.933	2.784	13.5	19.6
8 29	23 39.56	+16 42.7	1.853	2.767	10.9	19.4
9 8	23 31.56	+16 54.7	1.796	2.750	8.4	19.2
9 18	23 22.75	+16 45.3	1.764	2.733	7.0	19.1
9 28	23 14.10	+16 17.0	1.758	2.716	7.7	19.1
10 8	23 6.62	+15 35.1	1.778	2.700	10.1	19.3
10 18	23 1.09	+14 46.5	1.821	2.684	13.0	19.4

293506 2007 GY_{15} 9 13.6 281°.14 0°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.95	− 2 46.8	2.200	3.049	12.3	21.2
8 19	23 44.54	− 3 6.6	2.116	3.041	9.3	21.0
8 29	23 38.40	− 3 35.8	2.055	3.032	5.8	20.7
9 8	23 31.06	− 4 11.1	2.020	3.024	2.1	20.5
9 18	23 23.21	− 4 48.2	2.013	3.015	1.9	20.4
9 28	23 15.68	− 5 22.2	2.035	3.007	5.7	20.7
10 8	23 9.24	− 5 48.9	2.084	2.998	9.2	20.9
10 18	23 4.49	− 6 5.3	2.156	2.990	12.3	21.1

167961 2005 EM_{257} 9 13.6 54°.47 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.55	+ 2 48.1	1.764	2.607	15.1	20.2
8 19	23 44.51	+ 2 22.1	1.696	2.614	11.6	19.9
8 29	23 38.47	+ 1 39.6	1.650	2.621	7.6	19.7
9 8	23 31.09	+ 0 44.3	1.628	2.628	3.4	19.5
9 18	23 23.22	− 0 18.1	1.632	2.635	1.9	19.4
9 28	23 15.84	− 1 20.7	1.664	2.642	6.0	19.7
10 8	23 9.85	− 2 16.7	1.722	2.649	10.0	19.9
10 18	23 5.87	− 3 1.1	1.804	2.657	13.5	20.2

418242 2008 DO_{40} 9 13.6 184°.41 1°.0/14.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.90	+ 3 5.4	2.096	2.921	13.7	23.2
8 19	23 46.80	+ 2 25.0	2.013	2.922	10.6	23.0
8 29	23 39.84	+ 1 29.1	1.954	2.922	6.9	22.8
9 8	23 31.59	+ 0 21.2	1.921	2.921	3.0	22.6
9 18	23 22.82	− 0 53.4	1.917	2.919	1.7	22.5
9 28	23 14.42	− 2 8.0	1.942	2.916	5.6	22.7
10 8	23 7.23	− 3 16.1	1.995	2.913	9.4	22.9
10 18	23 1.90	− 4 12.6	2.072	2.909	12.7	23.2

220833 2004 TX_{361} 9 13.6 317°.25 6°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.74	−20 27.2	2.090	2.971	11.6	19.5
8 19	23 43.04	−22 3.2	2.030	2.964	9.1	19.3
8 29	23 37.53	−23 37.5	1.995	2.958	7.2	19.2
9 8	23 30.76	−25 1.9	1.986	2.952	6.8	19.1
9 18	23 23.50	−26 9.1	2.003	2.946	8.2	19.2
9 28	23 16.64	−26 53.6	2.045	2.940	10.6	19.4
10 8	23 10.99	−27 13.4	2.111	2.934	13.0	19.5
10 18	23 7.16	−27 9.1	2.195	2.929	15.3	19.7

115628 2003 UX_{121} 9 13.6 255°.71 3°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.50	− 7 16.6	1.953	2.822	12.8	19.8
8 19	23 43.71	− 8 41.5	1.873	2.811	9.5	19.5
8 29	23 38.02	−10 17.1	1.818	2.800	5.9	19.3
9 8	23 30.97	−11 56.2	1.789	2.789	3.1	19.1
9 18	23 23.33	−13 30.6	1.789	2.778	4.5	19.2
9 28	23 16.02	−14 52.2	1.816	2.766	8.1	19.4
10 8	23 9.91	−15 55.0	1.868	2.755	11.7	19.6
10 18	23 5.66	−16 36.3	1.943	2.743	14.8	19.8

460014 2014 OS_{124} 9 13.6 269°.92 3°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.82	−12 14.2	2.308	3.179	11.0	21.4
8 19	23 42.93	−13 26.6	2.229	3.167	8.2	21.2
8 29	23 37.40	−14 43.6	2.175	3.154	5.4	21.0
9 8	23 30.72	−15 59.1	2.149	3.141	3.8	20.9
9 18	23 23.54	−17 6.8	2.150	3.129	5.1	21.0
9 28	23 16.65	−18 0.9	2.179	3.116	7.9	21.1
10 8	23 10.80	−18 37.7	2.234	3.103	10.8	21.3
10 18	23 6.54	−18 55.7	2.311	3.090	13.4	21.4

450254 2003 UU_{348} 9 13.6 302°.39 5°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.70	−21 23.9	2.244	3.109	11.5	21.2
8 19	23 48.07	−21 59.2	2.175	3.101	9.0	21.1
8 29	23 40.59	−22 30.2	2.130	3.093	6.8	20.9
9 8	23 31.86	−22 50.9	2.112	3.085	5.8	20.8
9 18	23 22.70	−22 56.7	2.121	3.077	6.9	20.9
9 28	23 14.02	−22 44.3	2.156	3.070	9.2	21.0
10 8	23 6.65	−22 13.2	2.217	3.062	11.7	21.2
10 18	23 1.17	−21 24.9	2.300	3.055	14.1	21.3

290115 2005 QV_{124} 9 13.6 87°.32 0°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.95	− 2 22.6	2.066	2.919	12.8	21.1
8 19	23 43.72	− 3 20.1	2.006	2.934	9.6	20.9
8 29	23 37.82	− 4 28.4	1.970	2.950	5.9	20.7
9 8	23 30.84	− 5 42.4	1.961	2.965	2.0	20.5
9 18	23 23.52	− 6 55.8	1.980	2.980	2.3	20.5
9 28	23 16.67	− 8 2.2	2.027	2.995	6.1	20.8
10 8	23 11.02	− 8 56.6	2.101	3.010	9.5	21.0
10 18	23 7.09	− 9 35.8	2.199	3.024	12.4	21.3

103629 2000 CN_{29} 9 13.6 59°.93 1°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.36	− 2 20.5	1.735	2.598	14.4	18.8
8 19	23 43.61	− 3 26.4	1.675	2.608	10.7	18.6
8 29	23 37.90	− 4 45.8	1.637	2.619	6.6	18.4
9 8	23 30.90	− 6 12.2	1.625	2.629	2.3	18.1
9 18	23 23.46	− 7 37.6	1.640	2.640	2.8	18.2
9 28	23 16.55	− 8 54.0	1.683	2.651	7.0	18.5
10 8	23 11.03	− 9 55.2	1.751	2.662	10.9	18.7
10 18	23 7.49	−10 37.6	1.841	2.673	14.2	19.0

519517 2012 FK_{86} 9 13.6 217°.42 0°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.41	+ 0 39.1	2.715	3.546	10.7	22.1
8 19	23 42.33	+ 0 4.9	2.627	3.541	8.2	21.9
8 29	23 36.88	− 0 39.7	2.564	3.536	5.2	21.7
9 8	23 30.51	− 1 31.8	2.528	3.530	2.1	21.5
9 18	23 23.75	− 2 27.6	2.521	3.524	1.4	21.4
9 28	23 17.24	− 3 22.5	2.544	3.518	4.6	21.7
10 8	23 11.58	− 4 12.2	2.595	3.511	7.6	21.8
10 18	23 7.25	− 4 53.2	2.672	3.504	10.3	22.0

250704 2005 QC_{183} 9 13.6 278°.03 0°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.69	+ 0 9.0	2.091	2.930	13.2	20.7
8 19	23 45.95	+ 0 6.2	2.006	2.923	10.2	20.5
8 29	23 39.36	− 0 7.7	1.944	2.916	6.6	20.3
9 8	23 31.46	− 0 30.3	1.908	2.908	2.8	20.0
9 18	23 23.00	− 0 58.0	1.899	2.901	1.7	19.9
9 28	23 14.88	− 1 26.3	1.919	2.894	5.6	20.2
10 8	23 7.94	− 1 50.6	1.965	2.887	9.3	20.4
10 18	23 2.81	− 2 7.2	2.036	2.880	12.6	20.6

330872 2009 RF_1 9 13.6 26°.96 5°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.93	+ 8 43.2	1.133	1.981	21.3	19.4
8 19	23 46.46	+ 9 15.5	1.079	1.991	17.2	19.2
8 29	23 40.12	+ 9 20.6	1.043	2.003	12.5	18.9
9 8	23 31.80	+ 8 59.1	1.027	2.015	7.9	18.7
9 18	23 22.78	+ 8 15.3	1.034	2.029	5.6	18.7
9 28	23 14.59	+ 7 17.5	1.063	2.043	8.1	18.9
10 8	23 8.53	+ 6 16.8	1.115	2.058	12.5	19.1
10 18	23 5.35	+ 5 22.5	1.187	2.074	16.6	19.4

128102 2003 PA_{12} 9 13.6 30°.29 3°.0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.37	+ 3 0.3	1.042	1.913	21.2	18.6
8 19	23 48.10	+ 3 25.2	1.008	1.939	16.4	18.4
8 29	23 40.94	+ 3 27.8	0.992	1.966	11.0	18.2
9 8	23 32.00	+ 3 11.4	0.997	1.996	5.5	18.0
9 18	23 22.71	+ 2 42.1	1.025	2.026	3.3	18.0
9 28	23 14.58	+ 2 8.0	1.076	2.058	7.7	18.4
10 8	23 8.78	+ 1 37.7	1.149	2.090	12.4	18.7
10 18	23 5.91	+ 1 16.8	1.243	2.123	16.5	19.1

396067 2013 CV_{71} 9 13.6 31°.19 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.39	− 3 27.0	1.890	2.750	13.5	21.3
8 19	23 44.31	− 4 8.5	1.820	2.751	10.2	21.1
8 29	23 38.33	− 5 1.1	1.772	2.753	6.3	20.8
9 8	23 31.08	− 5 59.8	1.750	2.754	2.2	20.6
9 18	23 23.33	− 6 58.4	1.756	2.756	2.5	20.6
9 28	23 16.03	− 7 50.5	1.789	2.758	6.6	20.9
10 8	23 10.02	− 8 31.0	1.848	2.760	10.4	21.1
10 18	23 5.90	− 8 56.7	1.930	2.762	13.6	21.3

51784 2001 MJ_{15} 9 13.6 247°.63 0°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.28	− 0 26.5	2.211	3.046	12.7	19.5
8 19	23 47.12	− 0 32.4	2.117	3.032	9.8	19.3
8 29	23 40.10	− 0 48.8	2.047	3.018	6.4	19.0
9 8	23 31.74	− 1 13.0	2.002	3.004	2.6	18.8
9 18	23 22.77	− 1 41.8	1.987	2.989	1.7	18.7
9 28	23 14.07	− 2 10.6	2.000	2.974	5.5	18.9
10 8	23 6.48	− 2 35.0	2.040	2.958	9.2	19.1
10 18	23 0.66	− 2 51.5	2.106	2.942	12.5	19.3

515204 2011 WB_{26} 9 13.6 293°.08 1°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.84	− 6 5.6	1.930	2.794	13.1	21.9
8 19	23 44.69	− 6 46.9	1.853	2.788	9.8	21.7
8 29	23 38.61	− 7 37.3	1.799	2.781	6.1	21.5
9 8	23 31.20	− 8 31.4	1.771	2.774	2.4	21.2
9 18	23 23.24	− 9 23.3	1.771	2.768	3.2	21.3
9 28	23 15.67	−10 6.9	1.798	2.761	7.1	21.5
10 8	23 9.35	−10 37.4	1.850	2.755	10.8	21.7
10 18	23 4.94	−10 52.4	1.925	2.749	14.0	21.9

447119 2004 TR_{280} 9 13.6 257°.86 2°.9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.13	−12 5.8	2.575	3.436	10.3	21.7
8 19	23 45.25	−12 42.1	2.488	3.419	7.8	21.5
8 29	23 38.79	−13 21.2	2.425	3.403	5.0	21.3
9 8	23 31.24	−13 58.7	2.390	3.386	3.0	21.1
9 18	23 23.21	−14 30.2	2.384	3.369	4.0	21.2
9 28	23 15.45	−14 51.5	2.406	3.352	6.7	21.3
10 8	23 8.65	−15 0.2	2.456	3.334	9.5	21.5
10 18	23 3.36	−14 55.0	2.528	3.316	12.1	21.6

260357 2004 TK_{333} 9 13.6 215°.72 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.80	− 3 8.7	2.644	3.488	10.6	21.4
8 19	23 43.40	− 3 39.5	2.560	3.483	8.0	21.2
8 29	23 37.57	− 4 18.5	2.501	3.477	5.0	21.0
9 8	23 30.78	− 5 2.2	2.468	3.472	1.7	20.8
9 18	23 23.59	− 5 46.8	2.465	3.466	1.8	20.8
9 28	23 16.67	− 6 28.0	2.492	3.460	5.0	21.0
10 8	23 10.65	− 7 2.0	2.546	3.454	8.1	21.2
10 18	23 6.02	− 7 26.2	2.625	3.447	10.7	21.4

296720 2009 SX_{349} 9 13.6 332°.68 0°.6/12.4 17

8 9	23 41.73	− 5 14.3	4.047	4.893	7.2	20.6
8 19	23 38.41	− 5 39.9	3.964	4.889	5.3	20.5
8 29	23 34.25	− 6 9.7	3.908	4.886	3.3	20.3
9 8	23 29.53	− 6 41.5	3.879	4.883	1.2	20.2
9 18	23 24.59	− 7 12.9	3.881	4.880	1.4	20.2
9 28	23 19.81	− 7 41.6	3.912	4.877	3.6	20.3
10 8	23 15.57	− 8 5.2	3.972	4.874	5.6	20.5
10 18	23 12.17	− 8 22.2	4.057	4.871	7.4	20.6

160921 2001 XH_{115} 9 13.6 349°.02 4°.7/16.4 18

8 9	23 52.69	+ 5 24.8	1.137	1.994	20.8	18.9
8 19	23 48.82	+ 6 7.9	1.069	1.989	16.7	18.6
8 29	23 41.83	+ 6 29.3	1.019	1.985	11.9	18.3
9 8	23 32.52	+ 6 28.8	0.989	1.982	7.0	18.1
9 18	23 22.18	+ 6 8.8	0.982	1.980	4.8	18.0
9 28	23 12.48	+ 5 36.0	0.998	1.978	8.4	18.2
10 8	23 4.92	+ 4 59.7	1.036	1.977	13.4	18.4
10 18	23 0.51	+ 4 28.2	1.094	1.977	18.0	18.7

170628 2003 YL_{65} 9 13.6 278°.67 4°.2/ 9.1 18

8 9	23 48.75	−11 51.3	1.879	2.756	12.9	19.8
8 19	23 44.76	−13 2.9	1.803	2.743	9.7	19.6
8 29	23 38.74	−14 20.4	1.750	2.730	6.4	19.4
9 8	23 31.28	−15 36.6	1.723	2.717	4.3	19.2
9 18	23 23.19	−16 43.6	1.723	2.704	5.7	19.3
9 28	23 15.47	−17 34.6	1.749	2.691	9.1	19.5
10 8	23 9.05	−18 5.2	1.800	2.678	12.5	19.7
10 18	23 4.62	−18 14.0	1.872	2.664	15.5	19.8

169974 2002 TU_{175} 9 13.6 263°.51 6°.4/19.9 18

8 9	23 50.40	+15 36.0	2.025	2.793	16.0	19.9
8 19	23 45.97	+16 7.1	1.933	2.785	13.5	19.7
8 29	23 39.51	+16 17.4	1.861	2.777	10.7	19.5
9 8	23 31.57	+16 5.5	1.812	2.769	8.1	19.4
9 18	23 22.93	+15 32.3	1.788	2.761	6.5	19.3
9 28	23 14.57	+14 41.4	1.790	2.752	7.2	19.3
10 8	23 7.42	+13 39.4	1.819	2.744	9.7	19.4
10 18	23 2.22	+12 33.8	1.872	2.736	12.6	19.6

35919 1999 JY_{99} 9 13.6 316°.72 5°.2/ 7.6 18 R

8 9	23 47.15	−14 42.8	1.915	2.797	12.4	17.9
8 19	23 43.46	−16 10.1	1.851	2.792	9.4	17.7
8 29	23 37.86	−17 40.5	1.810	2.787	6.5	17.5
9 8	23 30.93	−19 6.0	1.795	2.782	5.3	17.4
9 18	23 23.48	−20 18.4	1.808	2.777	6.8	17.5
9 28	23 16.45	−21 11.4	1.846	2.772	9.7	17.7
10 8	23 10.70	−21 41.5	1.908	2.768	12.7	17.9
10 18	23 6.87	−21 48.3	1.991	2.764	15.4	18.0

392238 2009 WC_{2} 9 13.6 285°.97 2°.1/ 9.6 18

8 9	23 42.69	−13 25.5	4.346	5.205	6.5	21.3
8 19	23 39.10	−13 54.0	4.261	5.192	4.8	21.1
8 29	23 34.67	−14 23.2	4.203	5.179	3.2	21.0
9 8	23 29.68	−14 50.9	4.173	5.166	2.1	20.9
9 18	23 24.48	−15 14.6	4.173	5.154	2.7	21.0
9 28	23 19.42	−15 32.3	4.203	5.141	4.3	21.1
10 8	23 14.88	−15 42.3	4.260	5.128	6.1	21.2
10 18	23 11.15	−15 43.7	4.342	5.115	7.6	21.3

237454 1999 VM_{82} 9 13.6 305°.13 5°.1/18.9 18

8 9	23 45.23	+13 43.4	1.673	2.476	17.5	19.8
8 19	23 42.44	+13 22.9	1.578	2.459	14.5	19.6
8 29	23 37.47	+12 34.1	1.501	2.442	11.0	19.3
9 8	23 30.88	+11 17.3	1.447	2.425	7.4	19.1
9 18	23 23.48	+ 9 36.2	1.417	2.408	5.2	18.9
9 28	23 16.38	+ 7 39.0	1.414	2.392	6.8	19.0
10 8	23 10.61	+ 5 37.2	1.437	2.376	10.6	19.1
10 18	23 6.99	+ 3 41.7	1.484	2.361	14.5	19.3

493612 2015 OC 9 13.6 338°.15 3°.4/10.6 18

8 9	23 48.99	− 9 34.4	1.647	2.527	14.2	21.0
8 19	23 45.09	−10 22.7	1.579	2.521	10.6	20.8
8 29	23 38.99	−11 18.0	1.532	2.515	6.7	20.5
9 8	23 31.37	−12 13.7	1.510	2.511	3.6	20.3
9 18	23 23.15	−13 2.2	1.515	2.506	4.8	20.4
9 28	23 15.42	−13 37.0	1.545	2.502	8.7	20.6
10 8	23 9.19	−13 53.8	1.599	2.498	12.5	20.9
10 18	23 5.15	−13 51.2	1.675	2.495	15.9	21.1

37960 1998 HP_{64} 9 13.6 86°.59 1°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.12	+ 2 31.7	1.778	2.617	15.2	19.7
8 19	23 46.31	+ 1 58.3	1.721	2.637	11.6	19.5
8 29	23 39.54	+ 1 9.0	1.686	2.657	7.5	19.3
9 8	23 31.51	+ 0 8.2	1.677	2.677	3.2	19.1
9 18	23 23.10	− 0 58.0	1.694	2.697	1.8	19.0
9 28	23 15.31	− 2 2.6	1.740	2.716	5.9	19.3
10 8	23 8.98	− 2 59.2	1.812	2.735	9.8	19.6
10 18	23 4.69	− 3 43.3	1.907	2.754	13.2	19.9

357318 2003 FS_{133} 9 13.6 127°.72 3°.1/10.3 18

8 9	23 51.41	−12 0.4	2.304	3.166	11.3	21.3
8 19	23 46.19	−12 38.4	2.241	3.174	8.4	21.1
8 29	23 39.33	−13 18.7	2.203	3.182	5.4	21.0
9 8	23 31.42	−13 56.5	2.193	3.189	3.2	20.8
9 18	23 23.16	−14 27.0	2.211	3.197	4.2	20.9
9 28	23 15.35	−14 46.2	2.257	3.204	7.0	21.1
10 8	23 8.73	−14 51.9	2.329	3.210	9.9	21.3
10 18	23 3.80	−14 43.4	2.425	3.217	12.4	21.5

399041 2013 JA_{4} 9 13.6 156°.83 2°.8/17.7 18

8 9	23 46.43	+10 33.6	2.784	3.568	11.7	21.4
8 19	23 42.30	+10 0.6	2.699	3.573	9.4	21.2
8 29	23 36.85	+ 9 11.8	2.637	3.579	6.8	21.1
9 8	23 30.52	+ 8 9.3	2.602	3.584	4.2	20.9
9 18	23 23.86	+ 6 56.3	2.595	3.589	2.8	20.8
9 28	23 17.48	+ 5 37.7	2.618	3.593	4.3	21.0
10 8	23 11.96	+ 4 19.0	2.671	3.597	6.9	21.1
10 18	23 7.77	+ 3 5.1	2.750	3.601	9.4	21.3

14860 1989 WD_{3} 9 13.6 257°.89 2°.5/16.3 18

8 9	23 49.03	+ 6 16.8	2.100	2.917	13.9	18.7
8 19	23 44.81	+ 6 4.3	2.005	2.903	11.1	18.5
8 29	23 38.72	+ 5 35.1	1.931	2.890	7.7	18.3
9 8	23 31.29	+ 4 51.0	1.883	2.876	4.3	18.0
9 18	23 23.22	+ 3 55.5	1.863	2.862	2.6	17.9
9 28	23 15.41	+ 2 54.1	1.870	2.847	5.5	18.1
10 8	23 8.71	+ 1 53.3	1.905	2.833	9.1	18.3
10 18	23 3.80	+ 0 58.8	1.964	2.818	12.5	18.5

231641 2009 UO_{138} 9 13.6 326°.28 20°.4/14.7 18

8 9	23 51.29	−46 41.1	1.179	2.031	20.5	19.1
8 19	23 49.10	−49 30.6	1.145	2.003	20.4	19.0
8 29	23 42.66	−51 48.1	1.128	1.976	21.2	19.0
9 8	23 32.97	−53 17.1	1.125	1.950	22.5	19.0
9 18	23 21.90	−53 46.6	1.137	1.925	24.3	19.0
9 28	23 11.93	−53 13.4	1.160	1.902	26.2	19.1
10 8	23 5.12	−51 42.6	1.193	1.880	28.0	19.2
10 18	23 2.49	−49 23.5	1.234	1.859	29.7	19.3

446134 2013 EF_{51} 9 13.6 34°.62 4°.0/ 9.9 18

8 9	23 51.77	−13 55.9	1.946	2.818	12.7	20.5
8 19	23 46.75	−14 30.3	1.886	2.823	9.5	20.4
8 29	23 39.81	−15 5.8	1.850	2.828	6.3	20.2
9 8	23 31.62	−15 36.7	1.839	2.833	4.1	20.1
9 18	23 23.03	−15 57.7	1.856	2.839	5.2	20.1
9 28	23 14.99	−16 4.4	1.899	2.844	8.2	20.3
10 8	23 8.36	−15 55.2	1.968	2.850	11.4	20.5
10 18	23 3.70	−15 30.0	2.059	2.857	14.1	20.8

508924 2004 FV_{23} 9 13.6 98°.16 0°.3/13.8 17

8 9	23 53.86	− 0 23.9	1.630	2.480	15.8	21.8
8 19	23 48.54	− 0 50.0	1.573	2.497	12.0	21.6
8 29	23 41.03	− 1 30.1	1.538	2.514	7.6	21.4
9 8	23 32.08	− 2 19.7	1.527	2.530	2.9	21.1
9 18	23 22.69	− 3 12.5	1.544	2.546	2.0	21.1
9 28	23 14.00	− 4 1.7	1.588	2.562	6.6	21.4
10 8	23 6.96	− 4 41.2	1.657	2.578	10.8	21.7
10 18	23 2.20	− 5 7.5	1.750	2.593	14.3	22.0

477127 2009 CK_{48} 9 13.6 310°.22 0°.3/13.4 18

8 9	23 54.92	− 4 46.6	1.616	2.476	15.4	20.6
8 19	23 49.83	− 4 32.3	1.526	2.457	11.8	20.3
8 29	23 42.19	− 4 26.0	1.458	2.437	7.5	20.0
9 8	23 32.63	− 4 24.5	1.415	2.419	2.7	19.7
9 18	23 22.16	− 4 24.1	1.398	2.400	2.4	19.6
9 28	23 12.03	− 4 20.3	1.408	2.382	7.4	19.9
10 8	23 3.48	− 4 9.1	1.444	2.365	12.0	20.1
10 18	22 57.38	− 3 48.1	1.501	2.348	16.1	20.3

118161 5710 $T\text{-}_{3}$ 9 13.6 151°.16 7°.6/ 6.5 18

8 9	23 55.02	−23 16.7	1.857	2.728	13.2	19.2
8 19	23 49.39	−24 20.4	1.804	2.730	10.6	19.0
8 29	23 41.55	−25 17.9	1.774	2.731	8.4	18.9
9 8	23 32.27	−26 1.1	1.769	2.733	7.7	18.9
9 18	23 22.54	−26 23.3	1.790	2.734	8.9	19.0
9 28	23 13.48	−26 20.9	1.836	2.736	11.3	19.1
10 8	23 6.06	−25 53.9	1.906	2.737	13.9	19.3
10 18	23 0.92	−25 4.9	1.994	2.738	16.3	19.5

386633 2009 SS_{139} 9 13.6 311°.59 1°.0/15.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.10	+ 2 35.1	4.086	4.899	7.8	20.7
8 19	23 39.44	+ 2 30.5	3.995	4.895	6.0	20.5
8 29	23 34.91	+ 2 19.1	3.928	4.890	4.0	20.4
9 8	23 29.80	+ 2 2.3	3.889	4.885	2.0	20.2
9 18	23 24.45	+ 1 41.7	3.880	4.881	1.2	20.2
9 28	23 19.26	+ 1 19.6	3.901	4.876	3.0	20.3
10 8	23 14.60	+ 0 58.1	3.951	4.872	5.1	20.4
10 18	23 10.78	+ 0 39.5	4.027	4.867	6.9	20.6

178482 1999 TM_{45} 9 13.6 8°.87 1°.6/14.7 18

8 9	23 46.98	+ 1 12.7	1.005	1.891	20.6	19.4
8 19	23 44.55	+ 1 11.5	0.950	1.892	15.9	19.1
8 29	23 39.10	+ 0 48.0	0.913	1.894	10.4	18.9
9 8	23 31.51	+ 0 6.7	0.896	1.898	4.5	18.5
9 18	23 23.12	− 0 44.9	0.901	1.904	2.6	18.5
9 28	23 15.55	− 1 36.5	0.928	1.911	8.4	18.8
10 8	23 10.17	− 2 18.4	0.976	1.919	13.9	19.2
10 18	23 7.81	− 2 44.2	1.043	1.929	18.5	19.5

346952 2010 AQ_{94} 9 13.6 210°.98 4°.0/17.3 18

8 9	23 53.10	+ 8 44.4	2.052	2.852	14.8	22.0
8 19	23 47.88	+ 9 4.5	1.965	2.848	12.0	21.8
8 29	23 40.66	+ 9 8.2	1.898	2.844	8.8	21.6
9 8	23 32.00	+ 8 55.7	1.857	2.839	5.6	21.4
9 18	23 22.71	+ 8 28.8	1.842	2.834	4.0	21.3
9 28	23 13.74	+ 7 51.9	1.856	2.829	6.0	21.4
10 8	23 6.01	+ 7 10.5	1.897	2.823	9.3	21.6
10 18	23 0.23	+ 6 30.5	1.962	2.817	12.5	21.8

67060 1999 XD_{230} 9 13.6 347°.86 9°.3/22.4 18

8 9	23 48.64	+20 14.7	1.624	2.386	19.6	18.3
8 19	23 45.12	+21 4.2	1.544	2.382	17.0	18.1
8 29	23 39.21	+21 26.0	1.481	2.379	14.1	17.9
9 8	23 31.54	+21 16.7	1.437	2.376	11.4	17.8
9 18	23 23.05	+20 36.0	1.416	2.374	9.5	17.7
9 28	23 14.95	+19 28.3	1.419	2.372	9.7	17.7
10 8	23 8.38	+18 2.4	1.445	2.371	11.7	17.8
10 18	23 4.19	+16 28.9	1.494	2.370	14.5	18.0

75971 2000 CK_{112} 9 13.6 226°.13 4°.2/17.9 18

8 9	23 50.58	+10 21.8	2.149	2.942	14.4	19.9
8 19	23 45.92	+10 32.0	2.059	2.936	11.8	19.7
8 29	23 39.40	+10 24.6	1.989	2.930	8.7	19.5
9 8	23 31.54	+10 0.0	1.944	2.923	5.7	19.3
9 18	23 23.08	+ 9 20.5	1.927	2.916	4.2	19.2
9 28	23 14.92	+ 8 30.3	1.937	2.909	5.8	19.3
10 8	23 7.89	+ 7 35.6	1.974	2.902	8.9	19.5
10 18	23 2.67	+ 6 42.4	2.036	2.894	12.0	19.7

228631 2002 CB_{234} 9 13.6 117°.30 6°.5/ 6.8 18

8 9	23 53.56	−19 41.0	1.927	2.800	12.8	19.8
8 19	23 48.10	−21 3.0	1.884	2.815	9.9	19.7
8 29	23 40.64	−22 21.6	1.865	2.830	7.4	19.6
9 8	23 31.92	−23 28.7	1.872	2.844	6.5	19.5
9 18	23 22.85	−24 17.4	1.906	2.858	7.9	19.6
9 28	23 14.44	−24 43.3	1.965	2.872	10.3	19.8
10 8	23 7.56	−24 45.5	2.049	2.885	12.9	20.0
10 18	23 2.76	−24 25.7	2.152	2.897	15.2	20.2

298233 2002 UH_{77} 9 13.6 299°.53 3°.9/ 9.9 18

8 9	23 50.78	−12 15.2	1.869	2.742	13.0	20.7
8 19	23 46.20	−13 4.1	1.801	2.739	9.8	20.5
8 29	23 39.59	−13 56.9	1.756	2.736	6.4	20.3
9 8	23 31.60	−14 46.9	1.737	2.732	4.0	20.1
9 18	23 23.08	−15 27.7	1.745	2.729	5.3	20.2
9 28	23 15.05	−15 53.8	1.779	2.726	8.5	20.4
10 8	23 8.40	−16 2.1	1.839	2.723	11.9	20.6
10 18	23 3.78	−15 52.1	1.919	2.720	14.9	20.8

322430 2011 SR_{203} 9 13.6 344°.39 7°.0/ 6.1 18

8 9	23 44.84	−15 29.1	1.485	2.382	14.4	19.6
8 19	23 42.26	−17 26.7	1.426	2.375	11.0	19.3
8 29	23 37.36	−19 28.7	1.391	2.368	8.0	19.2
9 8	23 30.84	−21 23.4	1.380	2.362	7.1	19.1
9 18	23 23.66	−22 59.1	1.393	2.357	9.0	19.2
9 28	23 17.00	−24 6.9	1.431	2.352	12.3	19.4
10 8	23 11.91	−24 42.9	1.490	2.349	15.7	19.6
10 18	23 9.12	−24 47.4	1.567	2.346	18.7	19.8

53762 2000 EM_{79} 9 13.6 126°.23 1°.6/12.4 18

8 9	23 54.90	− 5 49.6	1.651	2.512	15.1	19.3
8 19	23 49.42	− 6 15.2	1.587	2.519	11.3	19.1
8 29	23 41.66	− 6 49.9	1.546	2.526	7.0	18.9
9 8	23 32.36	− 7 28.2	1.529	2.533	2.6	18.6
9 18	23 22.53	− 8 4.2	1.540	2.539	3.1	18.7
9 28	23 13.34	− 8 31.8	1.578	2.545	7.5	19.0
10 8	23 5.80	− 8 46.7	1.641	2.551	11.6	19.2
10 18	23 0.60	− 8 47.1	1.727	2.557	15.1	19.5

312637 2010 AP_{85} 9 13.6 259°.50 3°.8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.43	+19 3.1	4.705	5.411	8.3	20.7
8 19	23 38.92	+19 14.1	4.599	5.402	7.1	20.6
8 29	23 34.59	+19 14.3	4.515	5.393	5.8	20.5
9 8	23 29.71	+19 3.8	4.456	5.384	4.6	20.4
9 18	23 24.58	+18 43.2	4.425	5.375	3.9	20.3
9 28	23 19.56	+18 14.0	4.422	5.365	4.0	20.3
10 8	23 15.00	+17 38.4	4.447	5.356	4.9	20.4
10 18	23 11.20	+16 59.2	4.499	5.347	6.1	20.5

188890 2006 XQ 9 13.6 272°.76 2°.3/11.6 18

8 9	23 51.40	− 6 5.4	1.571	2.442	15.2	20.9
8 19	23 47.18	− 6 53.4	1.489	2.427	11.5	20.6
8 29	23 40.51	− 7 53.5	1.429	2.412	7.2	20.3
9 8	23 32.04	− 8 59.2	1.393	2.396	3.0	20.0
9 18	23 22.72	−10 2.6	1.383	2.380	4.0	20.1
9 28	23 13.79	−10 55.4	1.400	2.364	8.6	20.3
10 8	23 6.41	−11 31.2	1.440	2.348	13.1	20.5
10 18	23 1.42	−11 46.8	1.502	2.332	17.0	20.7

136241 2003 WM_{170} 9 13.6 336°.74 11°.2/ 5.7 18

8 9	23 49.19	−22 28.1	1.012	1.924	18.3	18.4
8 19	23 46.68	−23 52.0	0.956	1.905	14.9	18.1
8 29	23 40.71	−25 10.7	0.917	1.888	12.1	17.9
9 8	23 32.20	−26 9.2	0.898	1.873	11.3	17.8
9 18	23 22.63	−26 34.4	0.900	1.859	13.3	17.9
9 28	23 13.87	−26 18.3	0.920	1.846	16.9	18.0
10 8	23 7.57	−25 21.4	0.958	1.836	20.8	18.3
10 18	23 4.68	−23 49.3	1.011	1.826	24.3	18.5

317814 2003 SX_{248} 9 13.6 21°.00 0°.4/13.9 17

8 9	23 45.53	+ 1 46.5	1.026	1.912	20.3	19.5
8 19	23 43.34	+ 0 58.4	0.976	1.918	15.5	19.2
8 29	23 38.26	− 0 15.3	0.943	1.926	9.9	18.9
9 8	23 31.20	− 1 46.9	0.931	1.934	3.8	18.6
9 18	23 23.46	− 3 24.9	0.941	1.944	2.6	18.6
9 28	23 16.54	− 4 56.0	0.975	1.955	8.6	19.0
10 8	23 11.72	− 6 8.9	1.030	1.967	14.0	19.3
10 18	23 9.76	− 6 57.5	1.104	1.980	18.5	19.6

423929 2006 TK_{1} 9 13.6 355°.16 4°.3/10.8 15

8 9	23 44.44	− 9 2.5	0.911	1.827	19.4	20.0
8 19	23 42.96	− 9 45.1	0.857	1.818	14.6	19.7
8 29	23 38.27	−10 39.4	0.821	1.812	9.2	19.4
9 8	23 31.28	−11 35.1	0.805	1.808	4.7	19.1
9 18	23 23.37	−12 20.7	0.809	1.805	6.4	19.2
9 28	23 16.29	−12 45.9	0.834	1.805	11.7	19.5
10 8	23 11.51	−12 45.0	0.878	1.806	16.9	19.8
10 18	23 9.91	−12 17.5	0.939	1.810	21.4	20.1

291351 2006 BH_{249} 9 13.6 296°.09 0°.8/12.7 18

8 9	23 47.97	− 4 2.2	2.248	3.102	11.9	21.3
8 19	23 43.79	− 4 31.2	2.168	3.096	8.9	21.1
8 29	23 37.97	− 5 9.0	2.111	3.090	5.6	20.9
9 8	23 31.01	− 5 51.6	2.081	3.085	2.0	20.7
9 18	23 23.58	− 6 34.5	2.079	3.079	2.2	20.7
9 28	23 16.49	− 7 12.7	2.105	3.074	5.8	20.9
10 8	23 10.45	− 7 42.1	2.158	3.068	9.2	21.1
10 18	23 6.04	− 7 59.9	2.235	3.063	12.2	21.3

257771 2000 CB_{99} 9 13.6 183°.37 0°.6/13.0 17

8 9	23 52.26	− 2 4.3	1.935	2.783	13.8	21.9
8 19	23 47.24	− 2 47.1	1.859	2.783	10.4	21.7
8 29	23 40.23	− 3 42.2	1.806	2.784	6.5	21.5
9 8	23 31.86	− 4 44.9	1.780	2.783	2.3	21.2
9 18	23 22.93	− 5 49.1	1.781	2.782	2.3	21.2
9 28	23 14.44	− 6 48.0	1.811	2.780	6.5	21.5
10 8	23 7.27	− 7 36.0	1.867	2.778	10.4	21.7
10 18	23 2.08	− 8 9.5	1.947	2.775	13.7	22.0

330555 2008 BA_{19} 9 13.6 276°.33 2°.6/11.3 18

8 9	23 50.26	− 5 32.7	1.454	2.330	15.9	21.2
8 19	23 46.50	− 6 36.5	1.374	2.315	12.0	20.9
8 29	23 40.18	− 7 55.2	1.315	2.299	7.5	20.6
9 8	23 31.95	− 9 21.2	1.281	2.284	3.2	20.3
9 18	23 22.82	−10 45.0	1.272	2.268	4.5	20.4
9 28	23 14.09	−11 56.3	1.288	2.252	9.3	20.6
10 8	23 6.99	−12 47.6	1.329	2.236	13.9	20.9
10 18	23 2.42	−13 15.1	1.389	2.220	18.0	21.1

393768 2005 GX_{134} 9 13.6 160°.20 4°.4/18.8 17

8 9	23 47.82	+13 11.5	2.103	2.887	15.0	21.4
8 19	23 43.83	+12 53.6	2.020	2.889	12.3	21.3
8 29	23 38.05	+12 14.2	1.957	2.891	9.2	21.1
9 8	23 31.06	+11 14.3	1.918	2.893	6.2	20.9
9 18	23 23.57	+ 9 57.6	1.906	2.895	4.4	20.8
9 28	23 16.44	+ 8 30.2	1.923	2.897	5.7	20.9
10 8	23 10.47	+ 6 59.8	1.966	2.898	8.7	21.1
10 18	23 6.26	+ 5 33.7	2.035	2.899	11.7	21.3

223361 2003 SX_6 9 13.6 335°.37 2°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.41	+ 8 52.6	2.069	2.885	14.1	19.8
8 19	23 40.56	+ 7 53.1	1.980	2.878	11.2	19.6
8 29	23 36.03	+ 6 31.8	1.914	2.872	7.8	19.4
9 8	23 30.33	+ 4 52.0	1.873	2.865	4.2	19.1
9 18	23 24.13	+ 2 59.6	1.859	2.860	2.4	19.0
9 28	23 18.24	+ 1 2.8	1.875	2.854	5.2	19.2
10 8	23 13.42	− 0 49.4	1.918	2.849	8.9	19.4
10 18	23 10.25	− 2 29.8	1.987	2.845	12.2	19.6

478621 2012 TW_{168} 9 13.6 303°.66 2°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.55	+ 8 15.8	1.613	2.445	16.8	21.1
8 19	23 42.75	+ 7 38.6	1.520	2.426	13.5	20.8
8 29	23 37.73	+ 6 35.5	1.446	2.408	9.5	20.5
9 8	23 31.04	+ 5 8.9	1.396	2.390	5.2	20.2
9 18	23 23.53	+ 3 24.5	1.371	2.372	3.0	20.1
9 28	23 16.31	+ 1 31.9	1.374	2.354	6.6	20.2
10 8	23 10.45	− 0 17.6	1.401	2.337	11.1	20.5
10 18	23 6.78	− 1 54.5	1.452	2.320	15.3	20.7

320087 2007 EP_{85} 9 13.6 6°.28 1°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.37	− 7 43.1	1.901	2.758	13.6	19.1
8 19	23 49.55	− 7 29.3	1.829	2.758	10.2	18.9
8 29	23 41.65	− 7 19.8	1.780	2.759	6.4	18.6
9 8	23 32.36	− 7 11.5	1.758	2.761	2.4	18.4
9 18	23 22.58	− 7 1.0	1.763	2.763	2.6	18.4
9 28	23 13.33	− 6 45.4	1.797	2.765	6.6	18.7
10 8	23 5.54	− 6 22.3	1.857	2.768	10.4	18.9
10 18	22 59.86	− 5 50.6	1.941	2.772	13.6	19.1

11471 Toshihirabayashi 9 13.6 263°.99 3°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.23	+ 7 30.6	1.884	2.702	15.3	18.9
8 19	23 45.20	+ 7 17.6	1.791	2.689	12.2	18.6
8 29	23 39.11	+ 6 45.1	1.718	2.675	8.7	18.4
9 8	23 31.51	+ 5 54.6	1.670	2.661	4.9	18.2
9 18	23 23.19	+ 4 50.0	1.648	2.646	3.1	18.0
9 28	23 15.15	+ 3 37.6	1.654	2.632	6.0	18.2
10 8	23 8.34	+ 2 25.2	1.686	2.617	9.9	18.4
10 18	23 3.52	+ 1 19.9	1.742	2.602	13.6	18.6

262817 2007 AJ_{14} 9 13.6 162°.94 3°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.11	− 8 8.9	1.728	2.598	14.1	20.2
8 19	23 46.57	− 9 19.2	1.663	2.601	10.5	19.9
8 29	23 39.88	−10 38.3	1.622	2.604	6.6	19.7
9 8	23 31.74	−11 58.7	1.606	2.606	3.4	19.5
9 18	23 23.06	−13 12.2	1.618	2.608	4.7	19.6
9 28	23 14.91	−14 11.2	1.656	2.610	8.5	19.9
10 8	23 8.24	−14 50.9	1.720	2.611	12.2	20.1
10 18	23 3.71	−15 9.5	1.805	2.612	15.4	20.3

198082 2004 SB_{18} 9 13.6 349°.95 7°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.44	−11 31.8	0.982	1.906	17.6	18.7
8 19	23 37.50	−13 36.2	0.926	1.891	13.2	18.4
8 29	23 34.78	−15 54.2	0.890	1.879	9.0	18.1
9 8	23 30.02	−18 10.1	0.874	1.868	7.3	18.0
9 18	23 24.38	−20 6.5	0.880	1.860	10.0	18.1
9 28	23 19.36	−21 28.8	0.907	1.854	14.5	18.3
10 8	23 16.32	−22 10.1	0.952	1.851	19.0	18.6
10 18	23 16.08	−22 10.2	1.013	1.849	22.8	18.8

187654 2007 EQ_{61} 9 13.6 21°.84 1°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.68	− 3 22.7	1.858	2.725	13.4	19.3
8 19	23 41.57	− 4 37.2	1.794	2.730	10.0	19.1
8 29	23 36.66	− 6 4.2	1.753	2.736	6.1	18.9
9 8	23 30.55	− 7 37.1	1.738	2.742	2.3	18.6
9 18	23 24.00	− 9 8.1	1.751	2.748	3.1	18.7
9 28	23 17.89	−10 29.2	1.791	2.755	7.0	19.0
10 8	23 13.01	−11 34.5	1.856	2.763	10.7	19.2
10 18	23 9.93	−12 20.5	1.945	2.771	13.8	19.4

353208 2009 SZ_{353} 9 13.6 258°.51 0°.3/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.56	+ 0 31.4	4.470	5.294	7.0	21.2
8 19	23 37.51	+ 0 2.2	4.382	5.292	5.3	21.1
8 29	23 33.70	− 0 33.0	4.320	5.290	3.4	20.9
9 8	23 29.40	− 1 12.5	4.286	5.287	1.4	20.8
9 18	23 24.90	− 1 54.2	4.282	5.285	0.8	20.7
9 28	23 20.55	− 2 35.6	4.309	5.283	2.9	20.9
10 8	23 16.65	− 3 14.3	4.365	5.280	4.8	21.0
10 18	23 13.50	− 3 48.4	4.448	5.278	6.5	21.1

180438 2004 BY_{106} 9 13.6 130°.67 3°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.94	− 7 50.8	1.616	2.486	14.9	20.2
8 19	23 48.01	− 8 48.7	1.556	2.494	11.1	20.0
8 29	23 40.81	− 9 55.3	1.518	2.501	6.9	19.8
9 8	23 32.09	−11 3.2	1.506	2.508	3.3	19.6
9 18	23 22.85	−12 4.4	1.521	2.514	4.5	19.7
9 28	23 14.24	−12 51.6	1.562	2.520	8.5	20.0
10 8	23 7.26	−13 20.5	1.628	2.526	12.4	20.2
10 18	23 2.59	−13 29.5	1.716	2.532	15.8	20.4

296693 2009 SD_{247} 9 13.6 325°.76 0°.8/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.01	+ 2 8.2	4.127	4.944	7.6	20.7
8 19	23 38.65	+ 1 54.8	4.038	4.941	5.9	20.6
8 29	23 34.45	+ 1 34.7	3.974	4.938	3.9	20.4
9 8	23 29.69	+ 1 9.4	3.938	4.935	1.8	20.3
9 18	23 24.71	+ 0 40.8	3.931	4.933	1.0	20.2
9 28	23 19.88	+ 0 11.1	3.954	4.930	3.0	20.4
10 8	23 15.58	− 0 17.3	4.007	4.927	5.0	20.5
10 18	23 12.09	− 0 42.0	4.086	4.924	6.9	20.6

191479 2003 SR_{308} 9 13.6 90°.70 5°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.15	+16 12.2	2.458	3.212	13.9	20.1
8 19	23 43.88	+16 30.8	2.373	3.215	11.7	19.9
8 29	23 38.01	+16 30.9	2.309	3.218	9.2	19.8
9 8	23 31.05	+16 12.4	2.269	3.222	6.9	19.6
9 18	23 23.64	+15 36.5	2.255	3.225	5.6	19.6
9 28	23 16.52	+14 46.8	2.268	3.228	6.1	19.6
10 8	23 10.41	+13 48.6	2.309	3.232	8.0	19.7
10 18	23 5.86	+12 47.8	2.375	3.235	10.4	19.9

399668 2004 RH_{336} 9 13.6 249°.67 2°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.30	+ 8 54.7	2.413	3.214	12.8	21.3
8 19	23 42.51	+ 8 32.9	2.322	3.208	10.3	21.1
8 29	23 37.17	+ 7 54.6	2.253	3.202	7.4	20.9
9 8	23 30.75	+ 7 1.3	2.209	3.195	4.4	20.7
9 18	23 23.88	+ 5 56.5	2.192	3.189	2.9	20.6
9 28	23 17.26	+ 4 45.2	2.205	3.182	4.8	20.7
10 8	23 11.60	+ 3 33.5	2.246	3.175	7.9	20.9
10 18	23 7.43	+ 2 27.0	2.312	3.168	10.8	21.1

90324 2003 FL_{74} 9 13.6 30°.85 5°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.92	−15 5.5	1.783	2.666	13.1	19.0
8 19	23 44.07	−16 21.8	1.732	2.674	9.9	18.9
8 29	23 38.25	−17 39.6	1.704	2.681	6.8	18.7
9 8	23 31.15	−18 50.5	1.702	2.689	5.4	18.6
9 18	23 23.62	−19 47.2	1.726	2.698	6.8	18.7
9 28	23 16.65	−20 23.9	1.776	2.707	9.7	18.9
10 8	23 11.10	−20 38.3	1.849	2.716	12.7	19.2
10 18	23 7.56	−20 30.6	1.943	2.726	15.4	19.4

365721 2010 VL_{181} 9 13.6 61°.80 1°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.12	− 6 32.4	2.197	3.057	11.9	21.4
8 19	23 43.89	− 7 13.7	2.128	3.060	8.8	21.2
8 29	23 38.02	− 8 2.2	2.082	3.063	5.4	21.0
9 8	23 31.05	− 8 53.1	2.064	3.066	2.2	20.8
9 18	23 23.68	− 9 41.2	2.073	3.069	3.0	20.8
9 28	23 16.70	−10 21.4	2.110	3.072	6.3	21.0
10 8	23 10.84	−10 50.0	2.174	3.075	9.6	21.3
10 18	23 6.63	−11 4.7	2.262	3.079	12.4	21.5

522930 2016 PU_{111} 9 13.6 343°.66 0°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.34	+ 1 14.9	1.339	2.214	17.1	20.6
8 19	23 40.55	− 0 18.5	1.267	2.206	13.0	20.3
8 29	23 36.41	− 2 17.6	1.215	2.198	8.1	20.0
9 8	23 30.59	− 4 33.9	1.186	2.191	2.8	19.7
9 18	23 24.02	− 6 55.3	1.184	2.185	3.1	19.7
9 28	23 17.92	− 9 7.4	1.207	2.179	8.5	20.0
10 8	23 13.40	−10 58.1	1.253	2.175	13.4	20.3
10 18	23 11.23	−12 20.3	1.321	2.172	17.6	20.5

75955 2000 CC_{92} 9 13.6 324°.09 1°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.15	− 4 46.6	1.667	2.532	14.8	18.4
8 19	23 46.77	− 5 1.2	1.590	2.524	11.2	18.1
8 29	23 40.14	− 5 25.7	1.535	2.516	7.0	17.9
9 8	23 31.91	− 5 55.7	1.505	2.508	2.5	17.6
9 18	23 23.01	− 6 25.8	1.500	2.501	2.7	17.6
9 28	23 14.55	− 6 50.0	1.523	2.494	7.2	17.8
10 8	23 7.58	− 7 3.7	1.570	2.488	11.5	18.1
10 18	23 2.84	− 7 4.1	1.639	2.481	15.2	18.3

259879 2004 DW_{20} 9 13.6 212°.50 3°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.38	− 8 22.4	1.890	2.754	13.4	21.4
8 19	23 47.48	− 9 27.4	1.813	2.747	10.0	21.1
8 29	23 40.48	−10 41.0	1.759	2.740	6.3	20.9
9 8	23 32.02	−11 56.4	1.733	2.732	3.2	20.7
9 18	23 22.93	−13 6.1	1.734	2.724	4.5	20.8
9 28	23 14.24	−14 2.9	1.763	2.715	8.2	21.0
10 8	23 6.91	−14 42.0	1.817	2.705	11.8	21.2
10 18	23 1.63	−15 1.4	1.894	2.695	15.1	21.4

104081 2000 EH_{30} 9 13.6 193°.88 3°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.94	−11 9.4	1.680	2.553	14.3	20.3
8 19	23 48.80	−12 0.4	1.614	2.552	10.8	20.1
8 29	23 41.36	−12 56.6	1.570	2.551	6.9	19.8
9 8	23 32.33	−13 50.9	1.552	2.549	4.1	19.7
9 18	23 22.71	−14 35.9	1.560	2.548	5.3	19.7
9 28	23 13.66	−15 5.3	1.595	2.546	9.0	19.9
10 8	23 6.21	−15 15.6	1.654	2.543	12.8	20.2
10 18	23 1.08	−15 6.3	1.735	2.541	16.0	20.4

196409 2003 GN_{48} 9 13.6 50°.09 4°.2/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.28	−10 10.0	1.326	2.212	16.5	20.1
8 19	23 47.69	−11 11.0	1.289	2.234	12.2	19.9
8 29	23 40.61	−12 17.8	1.272	2.256	7.7	19.7
9 8	23 32.00	−13 21.1	1.279	2.278	4.3	19.6
9 18	23 23.04	−14 12.4	1.312	2.301	5.7	19.8
9 28	23 15.03	−14 44.9	1.369	2.325	9.7	20.0
10 8	23 8.96	−14 55.6	1.449	2.348	13.6	20.3
10 18	23 5.44	−14 44.9	1.549	2.372	16.9	20.6

161079 2002 LP_{61} 9 13.6 142°.93 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.81	− 1 11.8	2.719	3.557	10.5	20.9
8 19	23 42.60	− 2 0.6	2.646	3.565	7.9	20.7
8 29	23 37.08	− 2 58.8	2.598	3.573	4.9	20.6
9 8	23 30.69	− 4 2.6	2.578	3.581	1.7	20.3
9 18	23 23.99	− 5 7.7	2.587	3.588	1.6	20.3
9 28	23 17.60	− 6 9.2	2.626	3.595	4.7	20.6
10 8	23 12.10	− 7 2.9	2.693	3.602	7.7	20.8
10 18	23 7.91	− 7 45.8	2.786	3.608	10.2	21.0

257561 1998 TS_{25} 9 13.6 231°.22 2°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.84	+11 53.8	4.737	5.497	7.5	20.9
8 19	23 37.71	+11 42.1	4.638	5.493	6.2	20.8
8 29	23 33.84	+11 21.2	4.563	5.488	4.6	20.7
9 8	23 29.48	+10 51.9	4.515	5.484	3.2	20.6
9 18	23 24.92	+10 15.7	4.495	5.479	2.3	20.5
9 28	23 20.49	+ 9 34.5	4.505	5.474	2.9	20.6
10 8	23 16.50	+ 8 50.8	4.545	5.470	4.4	20.7
10 18	23 13.22	+ 8 7.1	4.612	5.465	5.9	20.8

172729 2004 BF_{120} 9 13.6 153°.06 0°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.10	+ 0 11.8	2.181	3.020	12.7	20.7
8 19	23 44.65	− 0 24.0	2.106	3.025	9.7	20.6
8 29	23 38.52	− 1 12.0	2.055	3.029	6.2	20.3
9 8	23 31.26	− 2 8.5	2.030	3.033	2.3	20.1
9 18	23 23.56	− 3 8.4	2.034	3.036	1.6	20.1
9 28	23 16.24	− 4 6.1	2.066	3.039	5.4	20.3
10 8	23 10.06	− 4 56.2	2.126	3.042	9.0	20.6
10 18	23 5.56	− 5 35.1	2.209	3.045	12.0	20.8

66501 1999 RS_{75} 9 13.6 291°.91 3°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.40	+ 6 12.3	1.751	2.579	15.8	19.2
8 19	23 45.61	+ 6 8.5	1.650	2.555	12.7	19.0
8 29	23 39.56	+ 5 45.5	1.569	2.530	8.9	18.7
9 8	23 31.77	+ 5 4.4	1.512	2.506	5.0	18.4
9 18	23 23.08	+ 4 8.6	1.481	2.481	3.1	18.2
9 28	23 14.56	+ 3 4.5	1.477	2.456	6.5	18.4
10 8	23 7.32	+ 1 59.9	1.499	2.431	10.8	18.6
10 18	23 2.23	+ 1 2.3	1.543	2.406	14.8	18.8

68090 2000 YN_{109} 9 13.6 236°.02 1°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.10	− 2 36.7	2.012	2.865	13.1	20.2
8 19	23 44.91	− 3 33.2	1.928	2.855	9.9	19.9
8 29	23 38.84	− 4 42.6	1.866	2.845	6.2	19.7
9 8	23 31.42	− 5 59.7	1.831	2.835	2.2	19.4
9 18	23 23.42	− 7 17.9	1.825	2.824	2.6	19.4
9 28	23 15.73	− 8 30.2	1.846	2.813	6.6	19.7
10 8	23 9.22	− 9 30.2	1.894	2.802	10.4	19.9
10 18	23 4.55	−10 14.1	1.966	2.790	13.7	20.1

92197 1999 XA_{234} 9 13.6 288°.06 4°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.62	+14 48.3	2.279	3.052	14.3	19.7
8 19	23 42.15	+14 32.9	2.185	3.045	11.9	19.5
8 29	23 37.03	+13 56.4	2.111	3.037	9.1	19.3
9 8	23 30.75	+12 59.3	2.062	3.030	6.4	19.2
9 18	23 23.96	+11 44.4	2.038	3.022	4.7	19.1
9 28	23 17.43	+10 17.1	2.043	3.015	5.7	19.1
10 8	23 11.93	+ 8 44.6	2.075	3.007	8.3	19.3
10 18	23 8.02	+ 7 14.1	2.133	3.000	11.2	19.4

1619 Ueta 9 13.6 329°.08 6°.5/ 9.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.97	−13 38.7	1.069	1.974	18.1	14.7
8 19	23 47.06	−14 35.8	1.003	1.957	13.8	14.4
8 29	23 40.92	−15 39.0	0.957	1.942	9.4	14.1
9 8	23 32.36	−16 37.1	0.931	1.927	6.5	13.9
9 18	23 22.71	−17 18.3	0.928	1.914	8.4	14.0
9 28	23 13.73	−17 33.1	0.946	1.901	13.0	14.2
10 8	23 6.98	−17 17.6	0.984	1.890	17.8	14.4
10 18	23 3.46	−16 33.0	1.039	1.880	22.0	14.7

107363 2001 CJ_{29} 9 13.6 153°.58 4°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.68	−10 46.7	1.696	2.568	14.3	19.8
8 19	23 48.53	−11 55.7	1.636	2.574	10.6	19.6
8 29	23 41.15	−13 10.7	1.600	2.580	6.8	19.4
9 8	23 32.27	−14 23.6	1.588	2.585	4.2	19.2
9 18	23 22.86	−15 26.3	1.605	2.590	5.5	19.3
9 28	23 14.07	−16 11.9	1.647	2.594	9.1	19.6
10 8	23 6.86	−16 36.8	1.715	2.598	12.7	19.8
10 18	23 1.92	−16 40.2	1.803	2.601	15.8	20.0

478591 2012 TR_{111} 9 13.6 55°.02 1°.9/15.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.84	+ 2 19.2	1.502	2.349	17.0	21.1
8 19	23 48.03	+ 2 20.2	1.445	2.364	13.2	20.9
8 29	23 40.88	+ 2 4.5	1.408	2.378	8.7	20.7
9 8	23 32.17	+ 1 35.2	1.394	2.393	4.1	20.5
9 18	23 22.96	+ 0 57.3	1.407	2.409	2.4	20.4
9 28	23 14.45	+ 0 17.5	1.445	2.424	6.6	20.7
10 8	23 7.68	− 0 17.7	1.509	2.440	10.9	21.0
10 18	23 3.30	− 0 43.3	1.595	2.455	14.6	21.3

308994 2006 UE_{35} 9 13.6 349°.99 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.67	+ 2 13.6	1.756	2.603	15.0	21.0
8 19	23 44.03	+ 1 52.2	1.680	2.600	11.6	20.8
8 29	23 38.36	+ 1 14.6	1.625	2.598	7.6	20.6
9 8	23 31.28	+ 0 24.2	1.595	2.596	3.4	20.3
9 18	23 23.61	− 0 33.5	1.591	2.594	1.9	20.2
9 28	23 16.37	− 1 31.9	1.614	2.593	6.1	20.5
10 8	23 10.46	− 2 24.2	1.663	2.592	10.2	20.7
10 18	23 6.56	− 3 5.1	1.735	2.591	13.8	21.0

406967 2009 QP_{13} 9 13.6 359°.82 1°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.44	+ 3 25.4	2.051	2.889	13.5	20.7
8 19	23 42.07	+ 2 45.3	1.973	2.888	10.4	20.5
8 29	23 36.99	+ 1 49.2	1.918	2.887	6.9	20.3
9 8	23 30.75	+ 0 40.9	1.887	2.887	3.0	20.1
9 18	23 24.04	− 0 34.3	1.885	2.887	1.7	20.0
9 28	23 17.69	− 1 49.8	1.910	2.888	5.4	20.2
10 8	23 12.44	− 2 58.9	1.963	2.888	9.1	20.5
10 18	23 8.89	− 3 56.5	2.039	2.889	12.3	20.7

218488 2004 TK_{39} 9 13.6 351°.81 3°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.57	+ 4 41.4	2.052	2.870	14.2	19.5
8 19	23 47.47	+ 5 11.4	1.969	2.868	11.2	19.3
8 29	23 40.42	+ 5 28.6	1.909	2.867	7.9	19.0
9 8	23 32.03	+ 5 33.6	1.875	2.865	4.5	18.8
9 18	23 23.05	+ 5 28.2	1.867	2.864	3.1	18.8
9 28	23 14.44	+ 5 15.8	1.888	2.863	5.6	18.9
10 8	23 7.07	+ 5 0.9	1.936	2.863	9.1	19.1
10 18	23 1.59	+ 4 47.8	2.008	2.863	12.2	19.3

130367 2000 GS_{118} 9 13.6 340°.42 1°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.19	+ 3 58.9	2.274	3.103	12.6	20.5
8 19	23 41.73	+ 3 19.5	2.191	3.101	9.8	20.3
8 29	23 36.71	+ 2 25.1	2.132	3.099	6.5	20.1
9 8	23 30.64	+ 1 19.0	2.099	3.097	3.0	19.9
9 18	23 24.13	+ 0 5.9	2.093	3.096	1.6	19.8
9 28	23 17.92	− 1 8.1	2.117	3.094	5.0	20.0
10 8	23 12.72	− 2 17.0	2.168	3.093	8.4	20.2
10 18	23 9.04	− 3 16.0	2.243	3.091	11.4	20.4

513204 2005 TC_{2} 9 13.6 350°.14 5°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.25	−15 21.3	0.952	1.859	19.6	19.6
8 19	23 50.57	−15 2.6	0.891	1.845	15.1	19.3
8 29	23 43.23	−14 40.2	0.848	1.833	10.1	19.0
9 8	23 33.22	−14 6.6	0.824	1.824	5.9	18.7
9 18	23 22.15	−13 15.7	0.822	1.816	6.9	18.8
9 28	23 12.00	−12 4.8	0.842	1.811	11.8	19.0
10 8	23 4.50	−10 35.1	0.881	1.808	17.0	19.3
10 18	23 0.62	− 8 50.9	0.939	1.807	21.6	19.6

450149 1999 VZ_{109} 9 13.6 326°.81 5°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.38	+14 19.4	1.893	2.683	16.2	20.8
8 19	23 42.36	+14 28.8	1.799	2.669	13.6	20.6
8 29	23 37.38	+14 15.3	1.725	2.655	10.6	20.4
9 8	23 30.96	+13 38.4	1.673	2.641	7.6	20.2
9 18	23 23.85	+12 40.0	1.645	2.628	5.8	20.0
9 28	23 17.00	+11 25.4	1.644	2.616	6.8	20.1
10 8	23 11.35	+10 2.5	1.668	2.604	9.7	20.2
10 18	23 7.60	+ 8 39.7	1.717	2.592	12.9	20.4

133083 2003 MF_{2} 9 13.7 60°.13 5°.8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.58	−12 27.8	1.178	2.072	17.6	19.2
8 19	23 49.04	−13 47.4	1.140	2.088	13.2	19.0
8 29	23 41.66	−15 11.2	1.122	2.105	8.7	18.8
9 8	23 32.48	−16 27.8	1.127	2.122	5.9	18.7
9 18	23 22.84	−17 26.4	1.156	2.139	7.6	18.8
9 28	23 14.23	−17 59.6	1.208	2.156	11.5	19.1
10 8	23 7.83	−18 5.1	1.282	2.174	15.5	19.4
10 18	23 4.29	−17 44.6	1.375	2.191	18.9	19.7

467801 2010 AS_{130} 9 13.7 1°.31 3°.2/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.89	+13 41.8	4.140	4.890	8.7	20.6
8 19	23 39.36	+13 49.4	4.046	4.890	7.2	20.5
8 29	23 34.95	+13 46.6	3.976	4.890	5.6	20.4
9 8	23 29.95	+13 33.8	3.932	4.890	4.1	20.3
9 18	23 24.71	+13 12.0	3.915	4.890	3.2	20.2
9 28	23 19.61	+12 43.3	3.928	4.891	3.6	20.3
10 8	23 15.05	+12 10.1	3.970	4.891	5.0	20.4
10 18	23 11.34	+11 35.4	4.038	4.891	6.6	20.5

401436 2013 CE_{116} 9 13.7 35°.37 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.90	− 7 33.3	1.924	2.794	12.9	20.1
8 19	23 43.98	− 8 32.1	1.859	2.797	9.6	19.9
8 29	23 38.22	− 9 38.8	1.817	2.800	5.9	19.7
9 8	23 31.21	−10 47.2	1.802	2.803	2.8	19.5
9 18	23 23.75	−11 50.7	1.813	2.806	3.9	19.6
9 28	23 16.73	−12 42.7	1.852	2.809	7.4	19.8
10 8	23 10.98	−13 19.0	1.916	2.813	10.9	20.0
10 18	23 7.08	−13 37.5	2.003	2.817	13.9	20.3

264051 2009 RD_{54} 9 13.7 308°.60 0°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.46	− 3 45.9	4.305	5.145	6.9	21.0
8 19	23 38.24	− 4 11.1	4.220	5.141	5.2	20.9
8 29	23 34.22	− 4 40.8	4.161	5.137	3.2	20.8
9 8	23 29.68	− 5 13.0	4.131	5.134	1.1	20.6
9 18	23 24.93	− 5 45.6	4.130	5.130	1.1	20.6
9 28	23 20.34	− 6 16.2	4.159	5.127	3.2	20.8
10 8	23 16.23	− 6 42.6	4.217	5.124	5.2	20.9
10 18	23 12.90	− 7 3.3	4.302	5.120	6.9	21.0

102989 1999 XD_{88} 9 13.7 242°.58 6°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.99	+16 39.4	2.284	3.035	14.9	20.7
8 19	23 46.33	+17 1.1	2.182	3.021	12.6	20.5
8 29	23 39.79	+17 2.9	2.099	3.007	10.1	20.4
9 8	23 31.85	+16 43.7	2.040	2.992	7.6	20.2
9 18	23 23.22	+16 4.1	2.007	2.977	6.2	20.1
9 28	23 14.78	+15 7.6	2.001	2.961	6.8	20.1
10 8	23 7.40	+14 0.1	2.023	2.944	9.1	20.2
10 18	23 1.77	+12 48.7	2.069	2.928	11.8	20.3

351817 2006 PC_{7} 9 13.7 26°.13 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.62	− 3 19.6	1.449	2.316	16.5	20.0
8 19	23 47.97	− 3 15.3	1.392	2.325	12.5	19.8
8 29	23 40.90	− 3 22.2	1.356	2.335	7.9	19.6
9 8	23 32.22	− 3 36.3	1.343	2.346	2.9	19.3
9 18	23 23.03	− 3 52.6	1.355	2.358	2.2	19.3
9 28	23 14.55	− 4 5.7	1.394	2.370	7.1	19.6
10 8	23 7.85	− 4 10.9	1.457	2.383	11.6	19.9
10 18	23 3.60	− 4 5.4	1.542	2.397	15.3	20.2

248591 2006 CH_{40} 9 13.7 71°.43 2°.8/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.01	− 5 58.8	1.229	2.111	17.9	20.3
8 19	23 48.58	− 7 0.4	1.181	2.124	13.3	20.1
8 29	23 41.41	− 8 14.6	1.153	2.137	8.2	19.8
9 8	23 32.43	− 9 32.3	1.148	2.151	3.5	19.6
9 18	23 22.90	−10 43.1	1.168	2.164	4.7	19.7
9 28	23 14.26	−11 37.8	1.213	2.178	9.5	20.0
10 8	23 7.70	−12 10.6	1.280	2.191	14.0	20.3
10 18	23 3.90	−12 20.2	1.367	2.205	17.9	20.6

144236 2004 CU_{65} 9 13.7 327°.05 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.80	− 2 13.8	1.347	2.214	17.5	19.5
8 19	23 49.29	− 2 12.4	1.275	2.208	13.4	19.2
8 29	23 42.01	− 2 24.6	1.223	2.203	8.6	18.9
9 8	23 32.74	− 2 46.6	1.194	2.197	3.3	18.6
9 18	23 22.60	− 3 12.8	1.190	2.193	2.4	18.5
9 28	23 13.04	− 3 36.7	1.211	2.188	7.8	18.9
10 8	23 5.36	− 3 51.9	1.256	2.184	12.8	19.1
10 18	23 0.43	− 3 54.6	1.321	2.180	17.1	19.4

426196 2012 KQ 9 13.7 44°.95 3°.0/11.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.99	− 7 3.0	1.197	2.084	17.9	21.0
8 19	23 47.79	− 7 52.7	1.154	2.100	13.3	20.8
8 29	23 40.88	− 8 52.9	1.131	2.117	8.2	20.6
9 8	23 32.22	− 9 54.8	1.131	2.134	3.6	20.4
9 18	23 23.09	−10 49.1	1.155	2.152	4.7	20.5
9 28	23 14.92	−11 27.6	1.204	2.170	9.4	20.8
10 8	23 8.82	−11 45.7	1.275	2.189	13.9	21.1
10 18	23 5.46	−11 42.5	1.365	2.208	17.6	21.4

58628 1997 VP_{7} 9 13.7 285°.19 3°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.85	+ 8 6.8	1.988	2.800	14.8	19.7
8 19	23 44.86	+ 8 7.4	1.895	2.788	11.9	19.4
8 29	23 38.91	+ 7 50.1	1.823	2.775	8.6	19.2
9 8	23 31.55	+ 7 15.9	1.775	2.762	5.2	19.0
9 18	23 23.52	+ 6 27.6	1.754	2.750	3.5	18.9
9 28	23 15.76	+ 5 30.5	1.760	2.737	5.8	19.0
10 8	23 9.16	+ 4 31.4	1.793	2.724	9.4	19.2
10 18	23 4.44	+ 3 36.6	1.850	2.712	12.8	19.4

355626 2008 DL_{72} 9 13.7 76°.52 0°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.95	− 2 11.8	2.027	2.882	12.9	21.3
8 19	23 43.20	− 3 12.8	1.957	2.886	9.7	21.1
8 29	23 37.71	− 4 26.1	1.911	2.891	6.0	20.9
9 8	23 31.06	− 5 46.2	1.891	2.895	2.1	20.6
9 18	23 23.97	− 7 6.6	1.899	2.899	2.4	20.7
9 28	23 17.28	− 8 20.2	1.935	2.903	6.3	20.9
10 8	23 11.75	− 9 21.3	1.998	2.907	9.8	21.2
10 18	23 7.96	−10 6.3	2.084	2.911	12.9	21.4

3320 Namba 9 13.7 142°.22 1°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.77	+ 4 21.4	1.711	2.546	15.8	17.1
8 19	23 46.40	+ 3 57.6	1.637	2.549	12.4	16.8
8 29	23 39.90	+ 3 15.2	1.585	2.552	8.3	16.6
9 8	23 31.90	+ 2 17.7	1.558	2.556	4.0	16.4
9 18	23 23.32	+ 1 10.5	1.557	2.559	2.2	16.3
9 28	23 15.23	+ 0 1.0	1.583	2.561	6.2	16.5
10 8	23 8.58	− 1 3.0	1.635	2.564	10.3	16.8
10 18	23 4.08	− 1 55.6	1.711	2.566	14.0	17.0

463449 2013 NE_{20} 9 13.7 56°.77 2°.6/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.10	+ 6 47.2	1.154	2.006	20.8	21.2
8 19	23 47.14	+ 6 5.0	1.112	2.032	16.1	21.0
8 29	23 40.47	+ 4 55.0	1.088	2.057	10.8	20.8
9 8	23 32.08	+ 3 23.6	1.085	2.083	5.3	20.6
9 18	23 23.27	+ 1 40.7	1.107	2.109	2.9	20.5
9 28	23 15.43	− 0 1.0	1.154	2.135	7.4	20.9
10 8	23 9.70	− 1 30.2	1.224	2.161	12.2	21.2
10 18	23 6.70	− 2 39.8	1.316	2.188	16.3	21.6

93521 2000 TX_{65} 9 13.7 266°.39 4°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.75	+13 50.5	1.873	2.662	16.4	20.2
8 19	23 44.20	+13 29.2	1.775	2.647	13.6	19.9
8 29	23 38.60	+12 42.3	1.697	2.633	10.3	19.7
9 8	23 31.47	+11 30.2	1.642	2.618	6.9	19.5
9 18	23 23.61	+ 9 56.3	1.613	2.603	4.9	19.3
9 28	23 16.02	+ 8 7.9	1.612	2.588	6.4	19.4
10 8	23 9.66	+ 6 14.9	1.637	2.572	9.9	19.6
10 18	23 5.29	+ 4 26.9	1.687	2.557	13.5	19.8

102964 1999 XW_{66} 9 13.7 319°.56 4°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.05	−11 10.9	1.477	2.364	15.1	19.1
8 19	23 45.61	−12 4.9	1.399	2.345	11.4	18.8
8 29	23 39.68	−13 6.3	1.343	2.327	7.4	18.5
9 8	23 31.91	−14 7.3	1.311	2.309	4.5	18.3
9 18	23 23.29	−14 59.0	1.304	2.292	6.1	18.4
9 28	23 15.09	−15 33.3	1.321	2.276	10.1	18.5
10 8	23 8.51	−15 45.4	1.362	2.260	14.3	18.8
10 18	23 4.38	−15 34.1	1.421	2.245	18.1	19.0

153261 2001 BS_{70} 9 13.7 190°.33 1°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.99	+ 5 12.6	2.984	3.788	10.5	20.9
8 19	23 43.48	+ 4 54.2	2.894	3.787	8.3	20.8
8 29	23 37.69	+ 4 24.5	2.828	3.785	5.7	20.6
9 8	23 31.03	+ 3 45.3	2.789	3.782	3.0	20.4
9 18	23 24.02	+ 2 59.4	2.780	3.779	1.8	20.3
9 28	23 17.23	+ 2 10.6	2.800	3.776	4.0	20.5
10 8	23 11.24	+ 1 22.8	2.850	3.772	6.7	20.7
10 18	23 6.49	+ 0 39.8	2.926	3.768	9.2	20.8

165004 2000 CH_{15} 9 13.7 135°.50 0°.6/13.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.63	− 3 18.2	2.140	2.987	12.7	20.6
8 19	23 46.57	− 3 47.2	2.072	2.996	9.5	20.4
8 29	23 39.77	− 4 25.3	2.027	3.004	5.9	20.2
9 8	23 31.82	− 5 8.6	2.009	3.012	2.1	20.0
9 18	23 23.45	− 5 52.2	2.019	3.020	2.1	20.0
9 28	23 15.54	− 6 31.1	2.058	3.027	5.8	20.2
10 8	23 8.83	− 7 1.0	2.124	3.034	9.3	20.5
10 18	23 3.91	− 7 19.3	2.214	3.040	12.3	20.7

218513 2004 TT_{123} 9 13.7 6°.72 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.84	− 1 40.8	1.646	2.516	14.7	19.9
8 19	23 41.23	− 2 45.8	1.581	2.517	11.0	19.7
8 29	23 36.65	− 4 6.2	1.537	2.519	6.8	19.4
9 8	23 30.72	− 5 35.5	1.518	2.522	2.4	19.2
9 18	23 24.27	− 7 5.6	1.525	2.526	2.7	19.2
9 28	23 18.29	− 8 27.4	1.559	2.530	7.1	19.5
10 8	23 13.65	− 9 33.9	1.618	2.535	11.2	19.8
10 18	23 10.97	−10 20.8	1.699	2.541	14.7	20.0

324743 2007 EC_{222} 9 13.7 217°.02 3°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.41	+10 51.0	2.692	3.476	12.1	21.4
8 19	23 42.49	+10 23.9	2.596	3.470	9.8	21.2
8 29	23 37.16	+ 9 40.5	2.523	3.464	7.1	21.0
9 8	23 30.87	+ 8 42.1	2.476	3.457	4.5	20.9
9 18	23 24.16	+ 7 31.8	2.458	3.451	3.0	20.8
9 28	23 17.68	+ 6 14.5	2.468	3.444	4.5	20.8
10 8	23 12.06	+ 4 55.8	2.508	3.436	7.2	21.0
10 18	23 7.79	+ 3 41.0	2.574	3.429	9.9	21.2

19655 1999 RC_{121} 9 13.7 224°.39 2°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.00	+ 6 43.0	2.305	3.118	13.0	18.4
8 19	23 43.12	+ 6 15.0	2.218	3.115	10.2	18.3
8 29	23 37.65	+ 5 30.9	2.154	3.112	7.1	18.1
9 8	23 31.06	+ 4 33.0	2.115	3.108	3.8	17.8
9 18	23 24.01	+ 3 25.3	2.105	3.105	2.3	17.7
9 28	23 17.26	+ 2 13.4	2.123	3.101	4.9	17.9
10 8	23 11.51	+ 1 3.5	2.169	3.097	8.2	18.1
10 18	23 7.32	+ 0 0.9	2.240	3.093	11.2	18.3

514818 2007 UA_{141} 9 13.7 290°.38 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.20	+ 1 28.4	1.857	2.698	14.5	22.0
8 19	23 45.93	+ 1 18.1	1.773	2.690	11.2	21.8
8 29	23 39.62	+ 0 53.7	1.710	2.682	7.4	21.5
9 8	23 31.84	+ 0 17.9	1.673	2.673	3.3	21.3
9 18	23 23.41	− 0 25.0	1.663	2.665	1.9	21.2
9 28	23 15.34	− 1 9.1	1.680	2.657	6.0	21.4
10 8	23 8.56	− 1 48.5	1.723	2.649	10.1	21.6
10 18	23 3.78	− 2 18.6	1.789	2.641	13.7	21.9

463921 2014 UD_{149} 9 13.7 22°.75 1°.4/14.7 17

8 9	23 49.03	+ 2 0.0	0.984	1.866	21.2	20.8
8 19	23 46.21	+ 1 43.2	0.932	1.872	16.4	20.5
8 29	23 40.26	+ 1 1.8	0.898	1.878	10.7	20.2
9 8	23 32.14	+ 0 1.1	0.883	1.886	4.6	19.9
9 18	23 23.24	− 1 9.7	0.891	1.894	2.6	19.8
9 28	23 15.22	− 2 18.6	0.921	1.903	8.5	20.2
10 8	23 9.50	− 3 15.0	0.972	1.914	14.1	20.6
10 18	23 6.88	− 3 52.1	1.042	1.925	18.8	20.9

511214 2014 AA_{22} 9 13.7 317°.55 2°.9/15.7 18

8 9	23 51.04	+ 3 34.7	1.406	2.256	17.8	20.7
8 19	23 47.28	+ 3 51.7	1.322	2.242	14.1	20.5
8 29	23 40.85	+ 3 50.5	1.259	2.228	9.8	20.2
9 8	23 32.42	+ 3 32.4	1.217	2.214	5.1	19.9
9 18	23 23.00	+ 3 1.0	1.200	2.201	3.2	19.7
9 28	23 13.96	+ 2 22.5	1.208	2.188	7.3	19.9
10 8	23 6.58	+ 1 44.9	1.240	2.176	12.2	20.2
10 18	23 1.83	+ 1 14.9	1.293	2.165	16.5	20.4

341090 2007 JO_{2} 9 13.7 143°.47 1°.7/15.4 18

8 9	23 51.13	+ 4 9.8	1.889	2.718	14.8	21.2
8 19	23 46.49	+ 3 45.8	1.816	2.724	11.5	21.0
8 29	23 39.87	+ 3 5.0	1.764	2.730	7.7	20.8
9 8	23 31.92	+ 2 10.7	1.738	2.736	3.7	20.5
9 18	23 23.45	+ 1 8.0	1.739	2.741	2.1	20.4
9 28	23 15.44	+ 0 3.4	1.769	2.746	5.7	20.7
10 8	23 8.76	− 0 56.3	1.824	2.751	9.6	20.9
10 18	23 4.05	− 1 45.9	1.904	2.755	13.0	21.2

393200 2013 CL_{197} 9 13.7 227°.47 1°.6/10.1 18

8 9	23 41.08	−10 44.5	4.762	5.618	6.0	21.6
8 19	23 37.93	−11 23.4	4.683	5.613	4.5	21.5
8 29	23 34.05	−12 4.1	4.630	5.608	2.8	21.4
9 8	23 29.69	−12 44.5	4.606	5.603	1.6	21.3
9 18	23 25.14	−13 22.1	4.612	5.598	2.2	21.3
9 28	23 20.73	−13 54.8	4.648	5.593	3.8	21.4
10 8	23 16.76	−14 20.9	4.712	5.588	5.4	21.5
10 18	23 13.49	−14 39.1	4.802	5.583	6.9	21.7

230363 2002 EU_{96} 9 13.7 102°.91 0°.6/13.2 17

8 9	23 56.09	− 3 5.7	1.452	2.312	16.8	20.8
8 19	23 50.62	− 3 27.2	1.394	2.324	12.7	20.6
8 29	23 42.63	− 4 1.4	1.357	2.336	8.0	20.4
9 8	23 32.94	− 4 42.9	1.344	2.347	2.8	20.1
9 18	23 22.71	− 5 25.2	1.357	2.359	2.6	20.1
9 28	23 13.25	− 6 1.3	1.397	2.370	7.6	20.4
10 8	23 5.65	− 6 25.5	1.462	2.381	12.1	20.7
10 18	23 0.64	− 6 35.0	1.548	2.391	15.9	21.0

405648 2005 TY_{132} 9 13.7 252°.57 4°.1/18.7 17

8 9	23 49.19	+12 17.0	2.677	3.447	12.5	21.2
8 19	23 44.70	+12 26.1	2.570	3.431	10.3	21.0
8 29	23 38.65	+12 19.9	2.486	3.414	7.9	20.8
9 8	23 31.48	+11 58.4	2.427	3.396	5.5	20.6
9 18	23 23.76	+11 22.9	2.395	3.378	4.1	20.5
9 28	23 16.19	+10 36.8	2.392	3.360	5.2	20.6
10 8	23 9.47	+ 9 44.8	2.417	3.342	7.6	20.7
10 18	23 4.19	+ 8 51.9	2.468	3.323	10.3	20.8

37252 2000 WR_{186} 9 13.7 342°.50 6°.2/ 6.7 18

8 9	23 45.82	−16 13.4	1.733	2.623	13.1	18.0
8 19	23 42.78	−17 49.3	1.672	2.615	10.0	17.8
8 29	23 37.68	−19 27.6	1.633	2.608	7.3	17.6
9 8	23 31.15	−20 58.9	1.620	2.602	6.3	17.5
9 18	23 24.04	−22 14.2	1.633	2.596	7.9	17.6
9 28	23 17.38	−23 6.5	1.670	2.591	10.9	17.8
10 8	23 12.10	−23 32.5	1.730	2.587	14.0	18.0
10 18	23 8.85	−23 32.1	1.809	2.583	16.7	18.1

448717 2011 AU_{70} 9 13.7 346°.24 3°.7/17.3 17

8 9	23 49.08	+ 7 47.6	2.010	2.823	14.6	21.4
8 19	23 44.96	+ 8 7.3	1.926	2.818	11.8	21.2
8 29	23 38.95	+ 8 10.9	1.864	2.814	8.5	21.0
9 8	23 31.61	+ 7 59.1	1.825	2.811	5.3	20.8
9 18	23 23.68	+ 7 33.9	1.814	2.807	3.8	20.7
9 28	23 16.08	+ 6 59.7	1.829	2.805	5.8	20.8
10 8	23 9.67	+ 6 21.9	1.870	2.802	9.0	21.0
10 18	23 5.10	+ 5 46.1	1.936	2.800	12.2	21.2

248430 2005 SM_{284} 9 13.7 107°.37 3°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.15	−15 19.9	3.287	4.149	8.3	21.5
8 19	23 41.95	−16 4.7	3.228	4.159	6.2	21.4
8 29	23 36.66	−16 49.5	3.196	4.169	4.2	21.3
9 8	23 30.66	−17 30.6	3.192	4.179	3.2	21.2
9 18	23 24.44	−18 4.5	3.217	4.189	4.0	21.3
9 28	23 18.51	−18 28.5	3.270	4.198	5.8	21.5
10 8	23 13.33	−18 40.8	3.351	4.208	7.8	21.6
10 18	23 9.29	−18 40.9	3.455	4.217	9.6	21.7

385017 2012 TZ_{266} 9 13.7 244°.21 0°.1/13.7 18

8 9	23 48.86	+ 0 30.6	1.990	2.833	13.6	21.2
8 19	23 44.83	− 0 20.3	1.901	2.822	10.4	21.0
8 29	23 38.90	− 1 26.7	1.836	2.811	6.6	20.8
9 8	23 31.60	− 2 44.1	1.796	2.799	2.5	20.5
9 18	23 23.69	− 4 6.5	1.785	2.787	1.9	20.4
9 28	23 16.06	− 5 26.2	1.802	2.775	6.2	20.7
10 8	23 9.61	− 6 36.4	1.846	2.762	10.1	20.9
10 18	23 5.00	− 7 32.0	1.913	2.749	13.6	21.1

512232 2015 VU_{24} 9 13.7 329°.34 1°.2/14.9 17

8 9	23 43.74	+ 3 29.6	1.699	2.550	15.2	20.7
8 19	23 41.31	+ 2 50.5	1.608	2.530	11.9	20.5
8 29	23 36.85	+ 1 51.2	1.538	2.511	7.9	20.2
9 8	23 30.89	+ 0 35.4	1.493	2.493	3.5	19.9
9 18	23 24.22	− 0 50.8	1.473	2.476	1.9	19.7
9 28	23 17.82	− 2 18.9	1.479	2.459	6.4	20.0
10 8	23 12.68	− 3 40.0	1.511	2.443	10.8	20.2
10 18	23 9.52	− 4 46.9	1.566	2.428	14.7	20.4

515369 2013 EE_{38} 9 13.7 303°.80 2°.9/10.9 18

8 9	23 52.22	−10 40.4	2.034	2.899	12.5	21.0
8 19	23 47.20	−11 8.4	1.962	2.897	9.4	20.8
8 29	23 40.27	−11 40.2	1.915	2.895	6.0	20.6
9 8	23 32.07	−12 10.9	1.893	2.893	3.1	20.4
9 18	23 23.38	−12 35.2	1.900	2.891	4.0	20.5
9 28	23 15.15	−12 48.8	1.934	2.889	7.3	20.7
10 8	23 8.20	−12 48.9	1.994	2.887	10.7	20.9
10 18	23 3.16	−12 34.6	2.076	2.885	13.6	21.1

194947 2002 AR_{158} 9 13.7 158°.16 2°.0/15.7 18

8 9	23 51.43	+ 4 34.0	1.951	2.775	14.6	19.9
8 19	23 46.69	+ 4 16.9	1.875	2.780	11.4	19.7
8 29	23 40.00	+ 3 43.5	1.820	2.784	7.7	19.5
9 8	23 31.99	+ 2 56.6	1.791	2.787	3.9	19.2
9 18	23 23.44	+ 2 0.7	1.789	2.790	2.2	19.1
9 28	23 15.32	+ 1 1.7	1.816	2.793	5.6	19.4
10 8	23 8.50	+ 0 6.2	1.869	2.795	9.4	19.6
10 18	23 3.60	− 0 40.6	1.947	2.797	12.8	19.8

449815 2014 OF_{357} 9 13.7 24°.91 2°.3/11.0 18

8 9	23 46.05	− 6 30.5	2.050	2.918	12.3	21.1
8 19	23 42.53	− 7 36.8	1.984	2.921	9.1	20.9
8 29	23 37.32	− 8 51.8	1.942	2.925	5.6	20.7
9 8	23 30.98	−10 9.3	1.927	2.929	2.6	20.5
9 18	23 24.21	−11 22.8	1.939	2.933	3.6	20.6
9 28	23 17.85	−12 25.7	1.979	2.937	7.0	20.8
10 8	23 12.62	−13 13.5	2.045	2.942	10.3	21.1
10 18	23 9.09	−13 43.6	2.133	2.947	13.2	21.3

395941 2013 AD_{119} 9 13.7 282°.35 6°.4/ 6.6 18

8 9	23 49.27	−17 45.5	1.858	2.740	12.8	20.6
8 19	23 45.26	−19 16.8	1.796	2.734	9.9	20.4
8 29	23 39.19	−20 48.7	1.758	2.729	7.3	20.2
9 8	23 31.71	−22 12.3	1.746	2.724	6.4	20.2
9 18	23 23.67	−23 19.3	1.760	2.718	7.9	20.3
9 28	23 16.08	−24 3.5	1.799	2.713	10.7	20.4
10 8	23 9.86	−24 22.3	1.862	2.708	13.6	20.6
10 18	23 5.69	−24 16.2	1.944	2.702	16.2	20.8

332510 2008 GG_{82} 9 13.7 326°.40 8°.9/ 7.0 18

8 9	23 54.33	−21 3.1	1.319	2.209	16.3	20.1
8 19	23 49.87	−22 15.3	1.262	2.201	13.0	19.9
8 29	23 42.46	−23 23.6	1.225	2.194	10.0	19.7
9 8	23 33.00	−24 16.4	1.211	2.186	8.9	19.6
9 18	23 22.76	−24 43.7	1.220	2.180	10.5	19.7
9 28	23 13.30	−24 39.7	1.252	2.173	13.7	19.9
10 8	23 5.93	−24 4.1	1.305	2.168	17.2	20.1
10 18	23 1.49	−23 0.6	1.375	2.162	20.4	20.3

445412 2010 TE_{91} 9 13.7 358°.02 1°.3/15.2 15

8 9	23 45.94	+ 4 5.7	1.920	2.757	14.3	21.3
8 19	23 42.62	+ 3 23.5	1.842	2.756	11.1	21.1
8 29	23 37.48	+ 2 23.6	1.787	2.756	7.3	20.9
9 8	23 31.09	+ 1 10.0	1.756	2.755	3.3	20.7
9 18	23 24.19	− 0 11.7	1.753	2.755	1.8	20.5
9 28	23 17.66	− 1 34.1	1.777	2.755	5.6	20.8
10 8	23 12.32	− 2 49.6	1.828	2.756	9.5	21.0
10 18	23 8.78	− 3 52.7	1.903	2.756	12.9	21.3

315160 2007 FE_{23} 9 13.7 86°.05 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.94	− 1 0.6	2.276	3.122	12.1	20.7
8 19	23 43.06	− 1 43.1	2.202	3.124	9.1	20.5
8 29	23 37.61	− 2 36.7	2.151	3.127	5.7	20.3
9 8	23 31.10	− 3 37.5	2.126	3.129	2.1	20.1
9 18	23 24.19	− 4 40.3	2.130	3.132	1.7	20.0
9 28	23 17.62	− 5 39.7	2.163	3.135	5.4	20.3
10 8	23 12.09	− 6 30.6	2.222	3.137	8.7	20.5
10 18	23 8.11	− 7 9.6	2.307	3.140	11.7	20.7

59712 1999 JN_{126} 9 13.7 45°.10 1°.7/12.4 18 R

8 9	23 51.95	− 5 18.3	1.439	2.313	16.2	19.3
8 19	23 47.54	− 5 50.8	1.384	2.322	12.2	19.1
8 29	23 40.71	− 6 34.3	1.350	2.332	7.5	18.8
9 8	23 32.28	− 7 22.4	1.339	2.343	2.8	18.6
9 18	23 23.34	− 8 7.8	1.355	2.354	3.4	18.6
9 28	23 15.10	− 8 43.6	1.396	2.365	8.0	19.0
10 8	23 8.63	− 9 4.6	1.461	2.377	12.3	19.2
10 18	23 4.60	− 9 8.7	1.547	2.389	15.9	19.5

159357 2007 EF_{204} 9 13.7 101°.12 2°.3/16.6 18

8 9	23 46.68	+ 7 14.3	2.366	3.176	12.8	20.2
8 19	23 42.82	+ 6 47.8	2.287	3.180	10.1	20.1
8 29	23 37.44	+ 6 5.7	2.230	3.185	7.0	19.9
9 8	23 31.04	+ 5 10.2	2.199	3.190	3.9	19.7
9 18	23 24.25	+ 4 5.2	2.196	3.195	2.4	19.6
9 28	23 17.78	+ 2 56.2	2.222	3.200	4.7	19.8
10 8	23 12.31	+ 1 48.9	2.276	3.204	7.8	20.0
10 18	23 8.34	+ 0 48.4	2.355	3.209	10.7	20.2

475359 2006 CC_{26} 9 13.7 131°.82 5°.0/17.6 18

8 9	23 55.75	+ 9 6.4	1.784	2.587	16.6	21.3
8 19	23 50.23	+ 9 47.9	1.706	2.589	13.5	21.1
8 29	23 42.41	+10 11.7	1.648	2.592	10.0	20.9
9 8	23 32.95	+10 17.1	1.615	2.594	6.6	20.7
9 18	23 22.79	+10 5.5	1.607	2.596	5.0	20.6
9 28	23 13.07	+ 9 40.8	1.627	2.598	6.8	20.7
10 8	23 4.85	+ 9 9.0	1.672	2.600	10.2	20.9
10 18	22 58.88	+ 8 36.6	1.742	2.602	13.6	21.2

127035 2002 GU_{34} 9 13.7 66°.70 1°.8/11.8 18

8 9	23 49.38	− 6 46.3	2.138	2.999	12.2	19.9
8 19	23 44.95	− 7 22.2	2.070	3.002	9.1	19.7
8 29	23 38.82	− 8 5.0	2.026	3.006	5.6	19.5
9 8	23 31.56	− 8 50.1	2.008	3.010	2.3	19.3
9 18	23 23.88	− 9 32.3	2.018	3.014	3.0	19.3
9 28	23 16.62	−10 6.6	2.056	3.018	6.4	19.6
10 8	23 10.52	−10 29.4	2.120	3.023	9.7	19.8
10 18	23 6.14	−10 38.7	2.208	3.027	12.6	20.0

355005 2006 QT_{30} 9 13.7 352°.57 1°.6/12.8 18

8 9	23 51.36	− 7 33.7	1.250	2.136	17.3	19.1
8 19	23 47.64	− 7 18.7	1.182	2.127	13.1	18.9
8 29	23 41.09	− 7 10.6	1.134	2.119	8.3	18.6
9 8	23 32.53	− 7 4.8	1.108	2.112	3.1	18.3
9 18	23 23.13	− 6 56.5	1.106	2.107	3.3	18.3
9 28	23 14.37	− 6 40.7	1.129	2.104	8.6	18.6
10 8	23 7.56	− 6 14.1	1.174	2.102	13.5	18.8
10 18	23 3.55	− 5 35.2	1.239	2.102	17.7	19.1

404078 2012 DT_{83} 9 13.7 276°.94 1°.3/12.2 18

8 9	23 48.20	− 4 36.9	2.325	3.178	11.6	21.7
8 19	23 44.16	− 5 22.8	2.227	3.155	8.7	21.4
8 29	23 38.43	− 6 18.4	2.152	3.132	5.4	21.2
9 8	23 31.47	− 7 19.5	2.105	3.108	2.1	20.9
9 18	23 23.91	− 8 20.9	2.086	3.084	2.6	20.9
9 28	23 16.54	− 9 16.8	2.096	3.060	6.2	21.1
10 8	23 10.13	−10 2.3	2.133	3.036	9.6	21.3
10 18	23 5.30	−10 34.1	2.193	3.011	12.7	21.5

450948 2008 GD_{127} 9 13.7 45°.19 11°.8/30.9 18

8 9	23 54.71	−38 16.3	1.982	2.824	13.7	20.7
8 19	23 49.33	−39 46.5	1.960	2.834	12.4	20.7
8 29	23 41.67	−40 58.1	1.960	2.845	11.8	20.7
9 8	23 32.59	−41 42.9	1.982	2.856	12.1	20.7
9 18	23 23.18	−41 56.1	2.026	2.867	13.1	20.8
9 28	23 14.63	−41 36.4	2.091	2.879	14.5	20.9
10 8	23 7.89	−40 46.7	2.174	2.891	16.0	21.1
10 18	23 3.53	−39 31.9	2.273	2.903	17.3	21.2

374885 2006 WO_{11} 9 13.7 326°.02 7°.8/ 8.4 18

8 9	23 50.71	−16 46.0	1.124	2.027	17.5	19.6
8 19	23 47.70	−17 46.3	1.054	2.005	13.7	19.3
8 29	23 41.46	−18 49.1	1.003	1.984	9.8	19.0
9 8	23 32.77	−19 42.4	0.974	1.963	7.8	18.9
9 18	23 22.92	−20 14.8	0.966	1.944	9.7	18.9
9 28	23 13.65	−20 17.1	0.980	1.926	13.8	19.1
10 8	23 6.54	−19 46.6	1.014	1.909	18.3	19.3
10 18	23 2.64	−18 45.5	1.064	1.893	22.4	19.5

163280 2002 GF_{117} 9 13.7 46°.20 0°.3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.90	+ 0 20.6	1.449	2.314	16.6	20.0
8 19	23 44.43	− 0 40.8	1.397	2.330	12.5	19.8
8 29	23 38.72	− 2 0.0	1.366	2.346	7.8	19.6
9 8	23 31.56	− 3 30.0	1.359	2.363	2.8	19.3
9 18	23 23.94	− 5 1.7	1.378	2.381	2.4	19.3
9 28	23 17.00	− 6 25.3	1.424	2.398	7.2	19.7
10 8	23 11.68	− 7 33.2	1.494	2.417	11.6	20.0
10 18	23 8.61	− 8 21.1	1.585	2.435	15.2	20.3

346573 2008 VG_{47} 9 13.7 275°.75 0°.7/13.1 18

8 9	23 50.23	− 2 28.6	1.805	2.661	14.2	21.4
8 19	23 46.11	− 3 4.0	1.717	2.646	10.8	21.2
8 29	23 39.86	− 3 52.5	1.651	2.630	6.8	20.9
9 8	23 32.05	− 4 49.7	1.610	2.614	2.5	20.6
9 18	23 23.51	− 5 49.5	1.596	2.598	2.4	20.6
9 28	23 15.26	− 6 44.8	1.610	2.581	6.9	20.8
10 8	23 8.32	− 7 29.3	1.649	2.565	11.1	21.0
10 18	23 3.43	− 7 58.8	1.711	2.549	14.8	21.2

488059 2015 UR_{56} 9 13.7 309°.94 5°.1/ 8.6 18

8 9	23 51.27	−17 8.2	2.069	2.942	12.0	21.0
8 19	23 46.55	−17 54.9	2.000	2.935	9.2	20.9
8 29	23 39.93	−18 41.0	1.955	2.927	6.5	20.7
9 8	23 32.01	−19 20.3	1.935	2.920	5.1	20.6
9 18	23 23.60	−19 47.0	1.942	2.913	6.3	20.6
9 28	23 15.62	−19 56.8	1.977	2.906	9.0	20.8
10 8	23 8.92	−19 47.8	2.035	2.899	11.8	21.0
10 18	23 4.12	−19 20.5	2.115	2.893	14.5	21.1

98908 2001 BZ_{59} 9 13.7 277°.31 0°.3/13.4 18

8 9	23 49.41	− 0 47.4	1.862	2.712	14.1	19.7
8 19	23 45.50	− 1 30.4	1.765	2.691	10.8	19.5
8 29	23 39.50	− 2 28.8	1.691	2.668	6.9	19.2
9 8	23 31.94	− 3 38.3	1.643	2.646	2.5	18.9
9 18	23 23.59	− 4 52.7	1.621	2.623	2.1	18.8
9 28	23 15.46	− 6 4.4	1.628	2.600	6.7	19.0
10 8	23 8.54	− 7 6.1	1.660	2.577	11.0	19.2
10 18	23 3.61	− 7 52.7	1.715	2.554	14.8	19.4

428515 2007 YT_{63} 9 13.7 239°.51 1°.2/12.7 17

8 9	23 53.76	− 3 59.5	1.642	2.502	15.3	22.7
8 19	23 48.95	− 4 35.0	1.561	2.492	11.6	22.5
8 29	23 41.73	− 5 23.0	1.501	2.481	7.3	22.2
9 8	23 32.76	− 6 18.3	1.466	2.470	2.7	21.9
9 18	23 23.00	− 7 14.0	1.458	2.458	3.0	21.9
9 28	23 13.63	− 8 2.6	1.477	2.446	7.7	22.1
10 8	23 5.80	− 8 38.1	1.521	2.434	12.1	22.4
10 18	23 0.32	− 8 56.8	1.587	2.421	16.0	22.6

8981 1964 YJ 9 13.7 156°.44 4°.2/ 8.6 18

8 9	23 48.32	−13 29.4	2.229	3.101	11.3	17.0
8 19	23 44.16	−14 42.0	2.166	3.102	8.5	16.8
8 29	23 38.34	−15 57.4	2.127	3.104	5.7	16.7
9 8	23 31.41	−17 9.1	2.115	3.105	4.2	16.6
9 18	23 24.06	−18 10.9	2.131	3.107	5.4	16.6
9 28	23 17.09	−18 57.5	2.175	3.108	8.1	16.8
10 8	23 11.24	−19 25.9	2.244	3.109	10.9	17.0
10 18	23 7.06	−19 35.2	2.335	3.110	13.3	17.2

58938 1998 QJ_{18} 9 13.7 342°.99 4°.9/ 8.6 18

8 9	23 38.58	− 6 38.7	1.164	2.071	16.7	17.9
8 19	23 38.14	− 8 43.1	1.094	2.053	12.5	17.6
8 29	23 35.21	−11 8.6	1.046	2.036	7.9	17.3
9 8	23 30.41	−13 42.3	1.021	2.020	4.9	17.1
9 18	23 24.75	−16 7.9	1.019	2.007	7.4	17.2
9 28	23 19.55	−18 9.3	1.041	1.995	12.2	17.4
10 8	23 16.03	−19 36.0	1.083	1.985	16.9	17.7
10 18	23 15.06	−20 23.8	1.143	1.977	20.9	17.9

503861 1998 WZ_{1} 9 13.7 290°.81 0°.4/13.9 18

8 9	0 0.14	− 0 4.3	1.716	2.549	15.9	23.9
8 19	23 54.52	− 0 26.5	1.582	2.496	12.5	23.5
8 29	23 45.88	− 1 5.9	1.469	2.441	8.3	23.2
9 8	23 34.58	− 2 0.5	1.382	2.384	3.3	22.7
9 18	23 21.44	− 3 5.4	1.322	2.325	2.3	22.5
9 28	23 7.79	− 4 12.7	1.292	2.264	8.2	22.7
10 8	22 55.20	− 5 13.4	1.288	2.201	13.9	22.9
10 18	22 45.06	− 6 0.0	1.307	2.136	19.0	23.0

300413 2007 RY_{295} 9 13.7 87°.72 2°.1/11.7 18

8 9	23 52.34	− 6 59.2	1.867	2.729	13.6	20.9
8 19	23 47.30	− 7 40.4	1.812	2.745	10.1	20.7
8 29	23 40.34	− 8 28.7	1.781	2.761	6.2	20.5
9 8	23 32.15	− 9 18.6	1.775	2.777	2.6	20.3
9 18	23 23.58	−10 4.2	1.797	2.793	3.4	20.4
9 28	23 15.62	−10 39.8	1.847	2.809	7.1	20.7
10 8	23 9.07	−11 1.8	1.922	2.824	10.6	20.9
10 18	23 4.52	−11 8.6	2.020	2.839	13.6	21.2

303119 2004 CE_{30} 9 13.7 256°.69 1°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.87	+ 2 27.4	1.934	2.769	14.3	21.3
8 19	23 46.34	+ 2 20.3	1.856	2.768	11.1	21.0
8 29	23 39.86	+ 1 59.0	1.799	2.767	7.4	20.8
9 8	23 32.03	+ 1 26.3	1.767	2.766	3.5	20.6
9 18	23 23.63	+ 0 46.0	1.763	2.765	2.0	20.5
9 28	23 15.62	+ 0 3.6	1.786	2.763	5.7	20.7
10 8	23 8.89	− 0 35.3	1.836	2.762	9.5	21.0
10 18	23 4.08	− 1 6.1	1.909	2.761	12.9	21.2

518313 2017 BA_{63} 9 13.7 213°.52 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.98	− 5 29.0	2.514	3.362	11.0	21.8
8 19	23 45.23	− 5 51.4	2.433	3.359	8.2	21.6
8 29	23 38.95	− 6 20.3	2.377	3.355	5.1	21.4
9 8	23 31.65	− 6 52.2	2.349	3.352	1.9	21.2
9 18	23 23.93	− 7 23.3	2.349	3.348	2.2	21.2
9 28	23 16.51	− 7 49.6	2.379	3.345	5.4	21.4
10 8	23 10.08	− 8 7.8	2.435	3.341	8.5	21.6
10 18	23 5.16	− 8 15.8	2.517	3.337	11.2	21.8

447417 2006 BX_{238} 9 13.7 287°.53 1°.1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.21	− 3 35.9	2.180	3.035	12.2	22.1
8 19	23 43.49	− 4 22.9	2.088	3.017	9.2	21.9
8 29	23 38.05	− 5 20.8	2.021	3.000	5.7	21.7
9 8	23 31.37	− 6 25.1	1.980	2.983	2.1	21.4
9 18	23 24.11	− 7 30.4	1.966	2.966	2.5	21.4
9 28	23 17.10	− 8 30.3	1.982	2.949	6.2	21.6
10 8	23 11.12	− 9 19.7	2.023	2.932	9.8	21.8
10 18	23 6.78	− 9 54.8	2.088	2.914	13.0	22.0

346602 2008 WO_{32} 9 13.7 3°.27 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.83	+ 3 35.0	1.240	2.108	18.6	19.7
8 19	23 42.63	+ 3 7.3	1.176	2.107	14.5	19.5
8 29	23 37.90	+ 2 15.9	1.131	2.107	9.6	19.2
9 8	23 31.38	+ 1 5.3	1.107	2.108	4.4	18.9
9 18	23 24.13	− 0 16.4	1.107	2.110	2.3	18.8
9 28	23 17.47	− 1 38.6	1.132	2.114	7.4	19.1
10 8	23 12.56	− 2 50.8	1.179	2.118	12.4	19.4
10 18	23 10.18	− 3 45.7	1.247	2.124	16.7	19.7

412497 2014 JL_{77} 9 13.7 31°.34 0°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.42	− 2 17.1	1.774	2.633	14.3	20.6
8 19	23 44.55	− 2 51.8	1.709	2.640	10.8	20.3
8 29	23 38.73	− 3 38.5	1.667	2.647	6.7	20.1
9 8	23 31.60	− 4 32.6	1.650	2.654	2.4	19.9
9 18	23 23.99	− 5 27.8	1.660	2.662	2.2	19.9
9 28	23 16.89	− 6 17.7	1.697	2.670	6.5	20.2
10 8	23 11.14	− 6 56.8	1.759	2.678	10.4	20.4
10 18	23 7.35	− 7 21.7	1.844	2.687	13.7	20.7

92272 2000 CB_{54} 9 13.7 234°.47 2°.0/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.29	+ 6 54.8	3.484	4.278	9.4	19.7
8 19	23 41.38	+ 6 48.2	3.388	4.272	7.4	19.5
8 29	23 36.40	+ 6 31.6	3.316	4.265	5.3	19.4
9 8	23 30.69	+ 6 6.1	3.271	4.258	3.1	19.2
9 18	23 24.66	+ 5 33.7	3.255	4.251	2.0	19.1
9 28	23 18.81	+ 4 57.1	3.268	4.243	3.5	19.2
10 8	23 13.59	+ 4 19.5	3.311	4.236	5.8	19.4
10 18	23 9.38	+ 3 44.1	3.380	4.229	7.9	19.5

383525 2007 DT_{6} 9 13.7 6°.63 7°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.86	+ 6 21.3	1.120	1.968	21.6	18.9
8 19	23 52.18	+ 8 6.6	1.058	1.968	17.6	18.6
8 29	23 44.20	+ 9 33.9	1.013	1.970	13.2	18.4
9 8	23 33.79	+10 38.9	0.989	1.973	8.9	18.2
9 18	23 22.33	+11 19.5	0.988	1.978	7.1	18.1
9 28	23 11.59	+11 38.0	1.010	1.984	9.6	18.2
10 8	23 3.16	+11 41.1	1.054	1.991	13.7	18.5
10 18	22 58.04	+11 37.0	1.117	2.000	17.8	18.8

39198 2000 XY_{4} 9 13.7 124°.05 5°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.63	−17 55.0	2.006	2.869	12.7	18.8
8 19	23 51.17	−18 39.0	1.954	2.882	9.7	18.6
8 29	23 42.72	−19 20.5	1.926	2.896	6.9	18.4
9 8	23 33.02	−19 53.2	1.925	2.908	5.3	18.4
9 18	23 22.98	−20 11.5	1.952	2.920	6.4	18.5
9 28	23 13.63	−20 12.1	2.006	2.932	9.0	18.7
10 8	23 5.81	−19 54.1	2.085	2.943	11.8	18.9
10 18	23 0.11	−19 19.0	2.186	2.954	14.3	19.1

194721 2001 XG_{248} 9 13.7 116°.46 4°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.82	+ 9 5.3	1.827	2.634	16.1	20.3
8 19	23 47.89	+ 9 14.1	1.755	2.643	13.0	20.1
8 29	23 40.87	+ 9 3.4	1.703	2.651	9.4	19.9
9 8	23 32.41	+ 8 34.4	1.676	2.660	5.9	19.7
9 18	23 23.40	+ 7 50.3	1.674	2.668	4.1	19.6
9 28	23 14.88	+ 6 56.6	1.700	2.676	6.1	19.8
10 8	23 7.78	+ 6 0.5	1.753	2.684	9.6	20.0
10 18	23 2.77	+ 5 8.5	1.829	2.691	12.9	20.2

337056 1997 EA_{10} 9 13.7 284°.25 3°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 56.09	+ 4 54.2	1.775	2.596	15.9	20.3
8 19	23 50.68	+ 5 34.1	1.684	2.583	12.8	20.0
8 29	23 42.86	+ 6 0.1	1.613	2.570	9.1	19.8
9 8	23 33.24	+ 6 12.1	1.568	2.558	5.3	19.6
9 18	23 22.73	+ 6 11.3	1.549	2.545	3.7	19.4
9 28	23 12.52	+ 6 1.3	1.557	2.533	6.6	19.6
10 8	23 3.73	+ 5 47.2	1.592	2.520	10.6	19.8
10 18	22 57.22	+ 5 34.1	1.650	2.508	14.3	20.0

483299 2015 US_{30} 9 13.7 210°.15 1°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.64	+ 6 45.4	2.736	3.540	11.4	21.8
8 19	23 42.67	+ 6 12.6	2.644	3.535	9.0	21.7
8 29	23 37.34	+ 5 25.8	2.575	3.530	6.2	21.5
9 8	23 31.07	+ 4 27.2	2.533	3.525	3.4	21.3
9 18	23 24.40	+ 3 20.2	2.520	3.519	2.0	21.2
9 28	23 17.97	+ 2 9.6	2.536	3.513	4.3	21.3
10 8	23 12.36	+ 1 0.6	2.581	3.507	7.2	21.5
10 18	23 8.08	− 0 2.2	2.653	3.500	9.9	21.7

342819 2008 XJ_{16} 9 13.7 327°.11 5°.0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.17	−12 6.7	1.461	2.350	15.1	19.8
8 19	23 45.72	−13 11.4	1.393	2.339	11.4	19.6
8 29	23 39.79	−14 22.6	1.345	2.328	7.6	19.3
9 8	23 32.09	−15 31.5	1.322	2.318	5.0	19.2
9 18	23 23.64	−16 28.8	1.324	2.308	6.6	19.2
9 28	23 15.70	−17 6.5	1.350	2.299	10.5	19.4
10 8	23 9.41	−17 20.3	1.398	2.291	14.4	19.6
10 18	23 5.56	−17 9.6	1.467	2.283	18.0	19.9

153687 2001 UH_{3} 9 13.7 237°.83 0°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.42	− 1 42.9	1.782	2.636	14.5	20.6
8 19	23 46.23	− 2 31.3	1.701	2.628	11.0	20.3
8 29	23 39.93	− 3 34.2	1.642	2.621	6.9	20.1
9 8	23 32.11	− 4 46.5	1.609	2.612	2.5	19.8
9 18	23 23.63	− 6 1.2	1.603	2.604	2.4	19.8
9 28	23 15.52	− 7 10.6	1.624	2.595	6.9	20.0
10 8	23 8.75	− 8 7.8	1.672	2.586	11.1	20.3
10 18	23 4.06	− 8 48.4	1.742	2.577	14.7	20.5

1629 Pecker 9 13.7 90°.56 4°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.87	− 8 28.2	1.361	2.242	16.5	15.6
8 19	23 48.31	−10 5.9	1.316	2.259	12.2	15.4
8 29	23 41.24	−11 52.9	1.294	2.277	7.7	15.2
9 8	23 32.55	−13 38.3	1.296	2.294	4.4	15.1
9 18	23 23.38	−15 10.8	1.324	2.311	6.1	15.2
9 28	23 15.04	−16 21.2	1.377	2.328	10.1	15.5
10 8	23 8.60	−17 4.8	1.454	2.344	14.1	15.8
10 18	23 4.72	−17 21.5	1.551	2.360	17.4	16.0

127196 Hanaceplechová 9 13.7 80°.93 1°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.35	− 2 57.2	1.723	2.583	14.6	19.6
8 19	23 45.99	− 3 52.6	1.667	2.598	10.9	19.4
8 29	23 39.61	− 5 0.3	1.633	2.613	6.7	19.2
9 8	23 31.93	− 6 13.9	1.624	2.628	2.4	18.9
9 18	23 23.82	− 7 26.2	1.643	2.643	2.8	19.0
9 28	23 16.30	− 8 29.8	1.690	2.658	7.0	19.3
10 8	23 10.24	− 9 19.0	1.761	2.673	10.8	19.5
10 18	23 6.24	− 9 50.9	1.856	2.687	14.1	19.8

219483 2001 DQ_{35} 9 13.7 150°.33 4°.8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.02	+14 32.8	2.797	3.545	12.5	20.5
8 19	23 46.68	+15 1.0	2.712	3.552	10.4	20.4
8 29	23 39.86	+15 14.1	2.648	3.559	8.2	20.2
9 8	23 32.01	+15 11.8	2.610	3.565	6.0	20.1
9 18	23 23.73	+14 55.1	2.599	3.570	4.8	20.0
9 28	23 15.72	+14 26.4	2.617	3.576	5.5	20.1
10 8	23 8.64	+13 49.9	2.663	3.581	7.4	20.2
10 18	23 3.00	+13 10.3	2.736	3.585	9.5	20.4

115544 2003 UP_{64} 9 13.7 282°.83 5°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.19	−12 29.5	1.805	2.685	13.1	19.9
8 19	23 44.63	−14 5.8	1.728	2.669	9.9	19.7
8 29	23 38.96	−15 49.5	1.674	2.653	6.7	19.4
9 8	23 31.77	−17 31.8	1.646	2.637	5.1	19.3
9 18	23 23.88	−19 3.2	1.645	2.620	6.7	19.4
9 28	23 16.30	−20 15.3	1.671	2.604	10.1	19.5
10 8	23 10.03	−21 3.0	1.720	2.588	13.5	19.7
10 18	23 5.81	−21 24.7	1.790	2.571	16.6	19.9

318337 2004 TT_{214} 9 13.7 329°.49 3°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.72	+ 8 49.2	1.886	2.705	15.2	20.0
8 19	23 42.65	+ 8 42.5	1.796	2.692	12.3	19.8
8 29	23 37.66	+ 8 15.9	1.726	2.679	8.9	19.5
9 8	23 31.28	+ 7 30.6	1.680	2.667	5.5	19.3
9 18	23 24.25	+ 6 30.1	1.660	2.656	3.6	19.2
9 28	23 17.50	+ 5 20.4	1.666	2.645	5.8	19.3
10 8	23 11.93	+ 4 9.0	1.699	2.635	9.5	19.5
10 18	23 8.22	+ 3 3.1	1.755	2.625	13.0	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
217817 2001 DQ_{41}			9 13.7 311°54		1°4/15.1 18	
	h m	° ′			°	m
8 9	23 50.58	+ 1 34.0	2.151	2.984	13.1	19.9
8 19	23 45.98	+ 1 36.8	2.067	2.979	10.2	19.7
8 29	23 39.59	+ 1 28.0	2.006	2.974	6.8	19.5
9 8	23 31.95	+ 1 9.7	1.970	2.969	3.2	19.3
9 18	23 23.78	+ 0 45.1	1.962	2.964	1.8	19.1
9 28	23 15.92	+ 0 18.3	1.983	2.960	5.3	19.4
10 8	23 9.20	− 0 6.2	2.030	2.955	8.8	19.6
10 18	23 4.22	− 0 24.5	2.102	2.951	12.0	19.8
382596 2002 EY_{1}			9 13.7 225°80		2°1/11.6 18	
8 9	23 53.19	− 7 24.4	2.164	3.018	12.3	22.0
8 19	23 47.99	− 8 4.5	2.078	3.007	9.2	21.8
8 29	23 40.89	− 8 51.9	2.016	2.995	5.8	21.6
9 8	23 32.45	− 9 41.7	1.981	2.983	2.5	21.3
9 18	23 23.41	−10 28.4	1.975	2.970	3.3	21.4
9 28	23 14.69	−11 6.5	1.998	2.957	6.8	21.6
10 8	23 7.13	−11 32.1	2.047	2.943	10.3	21.8
10 18	23 1.40	−11 43.0	2.119	2.928	13.4	21.9
420619 2012 HK_{66}			9 13.7 178°11		3°0/10.8 17	
8 9	23 53.71	− 8 11.5	1.821	2.684	13.8	21.9
8 19	23 48.58	− 9 16.6	1.753	2.686	10.3	21.7
8 29	23 41.32	−10 30.1	1.707	2.688	6.5	21.5
9 8	23 32.60	−11 45.0	1.689	2.689	3.3	21.3
9 18	23 23.32	−12 53.4	1.698	2.689	4.5	21.4
9 28	23 14.53	−13 48.5	1.735	2.688	8.2	21.6
10 8	23 7.19	−14 25.4	1.797	2.687	11.9	21.8
10 18	23 1.97	−14 42.6	1.881	2.685	15.0	22.1
395049 2009 DQ_{138}			9 13.7 72°60		3°2/10.6 18	
8 9	23 51.47	−10 11.6	1.857	2.727	13.3	21.1
8 19	23 46.69	−11 1.6	1.805	2.742	9.9	20.9
8 29	23 39.99	−11 56.4	1.776	2.757	6.2	20.7
9 8	23 32.07	−12 49.4	1.773	2.772	3.4	20.6
9 18	23 23.78	−13 34.4	1.798	2.787	4.5	20.7
9 28	23 16.08	−14 6.2	1.849	2.802	7.8	20.9
10 8	23 9.80	−14 21.7	1.926	2.817	11.1	21.2
10 18	23 5.50	−14 20.0	2.025	2.832	14.0	21.4
218983 2008 GV_{69}			9 13.7 38°33		0°2/13.5 18	
8 9	23 46.12	+ 0 9.4	2.019	2.868	13.2	20.1
8 19	23 42.65	− 0 47.1	1.949	2.873	10.0	19.9
8 29	23 37.48	− 1 57.7	1.902	2.878	6.3	19.7
9 8	23 31.17	− 3 17.2	1.881	2.884	2.3	19.4
9 18	23 24.42	− 4 39.4	1.888	2.890	1.8	19.4
9 28	23 18.06	− 5 57.2	1.923	2.895	5.8	19.7
10 8	23 12.85	− 7 4.3	1.984	2.902	9.5	19.9
10 18	23 9.33	− 7 56.6	2.070	2.908	12.6	20.1
344450 2002 JJ_{120}			9 13.7 110°26		6°2/ 6.9 17 R	
8 9	23 51.09	−17 7.1	1.830	2.708	13.0	20.3
8 19	23 46.56	−18 43.6	1.781	2.718	10.0	20.2
8 29	23 40.00	−20 19.8	1.757	2.728	7.3	20.0
9 8	23 32.10	−21 46.7	1.759	2.738	6.2	20.0
9 18	23 23.75	−22 56.2	1.788	2.747	7.7	20.1
9 28	23 15.98	−23 42.3	1.842	2.756	10.4	20.3
10 8	23 9.68	−24 3.2	1.920	2.765	13.3	20.5
10 18	23 5.45	−23 59.7	2.017	2.774	15.7	20.7
25923 2001 DS_{29}			9 13.7 358°13		0°6/13.3 18	
8 9	23 56.72	− 5 5.0	1.758	2.611	14.7	18.3
8 19	23 50.91	− 4 57.9	1.684	2.610	11.2	18.1
8 29	23 42.84	− 4 58.4	1.633	2.610	7.0	17.9
9 8	23 33.19	− 5 3.1	1.607	2.610	2.6	17.6
9 18	23 22.93	− 5 8.1	1.609	2.610	2.3	17.6
9 28	23 13.20	− 5 9.2	1.638	2.610	6.7	17.9
10 8	23 5.03	− 5 2.8	1.694	2.610	10.9	18.1
10 18	22 59.14	− 4 47.1	1.773	2.611	14.4	18.3
103292 2000 AD_{45}			9 13.7 63°79		1°0/14.5 18	
8 9	23 53.87	+ 0 29.4	1.405	2.261	17.5	19.4
8 19	23 49.09	+ 0 20.4	1.346	2.272	13.4	19.2
8 29	23 41.80	− 0 5.0	1.308	2.284	8.7	19.0
9 8	23 32.81	− 0 42.7	1.294	2.295	3.6	18.7
9 18	23 23.24	− 1 26.6	1.305	2.307	2.1	18.6
9 28	23 14.40	− 2 9.3	1.341	2.319	7.1	19.0
10 8	23 7.40	− 2 44.1	1.403	2.332	11.7	19.3
10 18	23 2.96	− 3 6.4	1.485	2.344	15.6	19.6
426324 2012 UR_{94}			9 13.7 26°36		0°7/13.1 16	
8 9	23 45.65	+ 0 7.9	1.295	2.170	17.5	20.1
8 19	23 43.06	− 1 3.2	1.240	2.179	13.2	19.8
8 29	23 38.06	− 2 34.6	1.206	2.189	8.2	19.6
9 8	23 31.44	− 4 18.4	1.195	2.200	2.9	19.3
9 18	23 24.25	− 6 3.5	1.210	2.211	2.8	19.3
9 28	23 17.72	− 7 38.6	1.249	2.224	8.0	19.7
10 8	23 12.91	− 8 54.5	1.312	2.237	12.7	20.0
10 18	23 10.49	− 9 46.4	1.395	2.250	16.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
184455 2005 NB_{67}			9 13.7 353°95		4°9/17.7 18	
	h m	° ′			°	m
8 9	23 41.32	+ 9 8.7	1.035	1.901	21.6	18.5
8 19	23 40.48	+ 9 10.4	0.969	1.893	17.6	18.2
8 29	23 36.84	+ 8 39.4	0.920	1.886	12.8	18.0
9 8	23 31.11	+ 7 36.8	0.889	1.881	7.8	17.7
9 18	23 24.45	+ 6 8.8	0.879	1.877	4.9	17.5
9 28	23 18.35	+ 4 27.3	0.891	1.876	8.1	17.7
10 8	23 14.20	+ 2 47.0	0.924	1.876	13.1	18.0
10 18	23 12.89	+ 1 20.6	0.976	1.879	17.9	18.3
516250 2016 UQ_{93}			9 13.7 340°91		3°2/11.1 18	
8 9	23 51.43	− 9 28.0	1.622	2.498	14.6	21.4
8 19	23 47.12	−10 6.3	1.554	2.494	10.9	21.1
8 29	23 40.53	−10 51.4	1.508	2.491	6.9	20.9
9 8	23 32.36	−11 36.6	1.487	2.488	3.5	20.7
9 18	23 23.57	−12 15.2	1.492	2.485	4.6	20.7
9 28	23 15.30	−12 40.7	1.523	2.482	8.5	21.0
10 8	23 8.59	−12 49.4	1.578	2.480	12.4	21.2
10 18	23 4.15	−12 40.0	1.654	2.479	15.9	21.4
243416 2009 BO_{140}			9 13.7 33°97		2°8/11.1 18	
8 9	23 47.96	− 6 31.8	1.587	2.464	14.8	20.5
8 19	23 44.43	− 7 40.1	1.530	2.471	11.0	20.3
8 29	23 38.77	− 8 58.9	1.495	2.479	6.8	20.1
9 8	23 31.68	−10 20.3	1.485	2.487	3.1	19.9
9 18	23 24.09	−11 35.9	1.502	2.496	4.3	20.0
9 28	23 17.07	−12 37.7	1.544	2.505	8.3	20.2
10 8	23 11.56	−13 20.3	1.611	2.514	12.2	20.5
10 18	23 8.18	−13 41.7	1.699	2.524	15.5	20.7
426165 2012 HR_{77}			9 13.7 110°54		1°9/12.1 16	
8 9	23 55.16	− 5 47.9	1.622	2.484	15.3	22.6
8 19	23 49.73	− 6 30.5	1.566	2.499	11.4	22.4
8 29	23 42.04	− 7 22.7	1.533	2.513	7.1	22.1
9 8	23 32.87	− 8 18.1	1.524	2.527	2.8	21.9
9 18	23 23.25	− 9 9.7	1.543	2.541	3.4	22.0
9 28	23 14.32	− 9 50.8	1.589	2.554	7.7	22.3
10 8	23 7.08	−10 16.9	1.661	2.567	11.7	22.6
10 18	23 2.15	−10 26.1	1.754	2.580	15.1	22.8
9742 Worpswede			9 13.7 211°61		1°8/11.4 18	
8 9	23 48.17	− 7 29.8	2.660	3.514	10.2	18.2
8 19	23 43.84	− 8 12.2	2.581	3.510	7.6	18.0
8 29	23 38.10	− 9 0.3	2.526	3.506	4.7	17.8
9 8	23 31.40	− 9 50.0	2.500	3.501	2.1	17.7
9 18	23 24.31	−10 37.0	2.502	3.497	2.8	17.7
9 28	23 17.50	−11 16.8	2.534	3.491	5.7	17.9
10 8	23 11.58	−11 46.3	2.593	3.486	8.5	18.1
10 18	23 7.05	−12 3.4	2.676	3.481	11.0	18.2
3747 Belinskij			9 13.7 199°18		7°8/ 3.7 18	
8 9	23 55.93	−32 8.2	2.730	3.570	10.4	16.6
8 19	23 49.69	−33 1.9	2.678	3.567	9.0	16.5
8 29	23 41.75	−33 45.5	2.650	3.565	8.0	16.4
9 8	23 32.72	−34 13.1	2.648	3.562	7.9	16.4
9 18	23 23.37	−34 20.7	2.672	3.558	8.8	16.5
9 28	23 14.53	−34 6.2	2.721	3.555	10.2	16.6
10 8	23 6.93	−33 30.3	2.793	3.551	11.9	16.7
10 18	23 1.12	−32 35.3	2.885	3.547	13.4	16.8
151655 2002 XZ_{103}			9 13.7 272°84		3°5/16.7 18	
8 9	23 51.08	+ 7 19.5	1.658	2.482	16.7	20.3
8 19	23 47.07	+ 7 17.9	1.566	2.467	13.5	20.0
8 29	23 40.68	+ 6 55.5	1.493	2.451	9.6	19.7
9 8	23 32.51	+ 6 13.3	1.444	2.435	5.6	19.5
9 18	23 23.45	+ 5 14.8	1.420	2.419	3.6	19.3
9 28	23 14.65	+ 4 6.8	1.423	2.402	6.6	19.5
10 8	23 7.26	+ 2 58.0	1.452	2.386	10.9	19.7
10 18	23 2.15	+ 1 56.0	1.503	2.369	15.0	19.9
22226 4328 $T\text{-}_{2}$			9 13.8 171°80		2°4/11.7 18	
8 9	23 55.57	− 6 56.5	1.650	2.513	15.0	19.1
8 19	23 50.18	− 7 41.9	1.583	2.516	11.3	18.9
8 29	23 42.44	− 8 36.6	1.538	2.519	7.0	18.7
9 8	23 33.08	− 9 34.0	1.518	2.520	3.0	18.4
9 18	23 23.10	−10 26.9	1.526	2.522	3.9	18.5
9 28	23 13.71	−11 8.4	1.561	2.522	8.1	18.7
10 8	23 5.94	−11 33.6	1.620	2.523	12.2	19.0
10 18	23 0.53	−11 40.8	1.702	2.522	15.7	19.2
204058 2003 UJ_{257}			9 13.8 302°78		1°5/15.1 18	
8 9	23 50.29	+ 2 27.7	1.770	2.611	15.1	20.4
8 19	23 46.15	+ 2 15.8	1.690	2.606	11.8	20.1
8 29	23 39.91	+ 1 48.1	1.631	2.601	7.8	19.9
9 8	23 32.16	+ 1 7.5	1.597	2.596	3.6	19.6
9 18	23 23.76	+ 0 18.6	1.589	2.591	2.0	19.5
9 28	23 15.75	− 0 32.2	1.608	2.586	6.1	19.8
10 8	23 9.10	− 1 18.4	1.653	2.582	10.2	20.0
10 18	23 4.52	− 1 54.7	1.722	2.578	13.9	20.2

33092 1997 YR_1 9 13.8 84°.27 6°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.72	+17 52.2	1.787	2.548	18.1	18.3
8 19	23 47.84	+18 6.4	1.726	2.571	15.2	18.2
8 29	23 40.84	+17 54.4	1.683	2.593	12.0	18.0
9 8	23 32.45	+17 15.8	1.662	2.616	9.0	17.9
9 18	23 23.60	+16 13.5	1.666	2.638	7.0	17.8
9 28	23 15.36	+14 53.8	1.697	2.660	7.5	17.9
10 8	23 8.65	+13 25.6	1.754	2.681	9.8	18.1
10 18	23 4.10	+11 57.8	1.835	2.702	12.6	18.3

504379 2007 VW_{96} 9 13.8 220°.81 0°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.81	− 0 0.9	1.543	2.393	16.5	21.8
8 19	23 49.87	− 0 14.2	1.466	2.389	12.8	21.6
8 29	23 42.41	− 0 43.0	1.410	2.384	8.3	21.3
9 8	23 33.13	− 1 23.5	1.377	2.379	3.3	21.0
9 18	23 23.05	− 2 10.2	1.371	2.374	2.1	20.9
9 28	23 13.44	− 2 55.8	1.392	2.368	7.1	21.2
10 8	23 5.50	− 3 33.5	1.438	2.362	11.8	21.5
10 18	23 0.04	− 3 58.5	1.505	2.356	15.8	21.7

156667 2002 JV_{102} 9 13.8 113°.00 8°.1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.63	−29 57.9	2.429	3.284	11.1	19.8
8 19	23 47.35	−31 11.5	2.390	3.292	9.4	19.7
8 29	23 40.33	−32 15.4	2.375	3.301	8.3	19.6
9 8	23 32.22	−33 2.9	2.385	3.309	8.2	19.7
9 18	23 23.78	−33 29.1	2.421	3.317	9.2	19.7
9 28	23 15.89	−33 31.8	2.481	3.325	10.8	19.9
10 8	23 9.29	−33 11.3	2.564	3.333	12.5	20.0
10 18	23 4.51	−32 30.0	2.665	3.340	14.1	20.2

499662 2010 VM_{127} 9 13.8 264°.75 21°.5/24.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.02	−46 30.1	1.116	1.952	22.4	21.0
8 19	0 3.61	−48 51.9	1.088	1.941	21.6	20.9
8 29	23 52.03	−50 38.5	1.075	1.930	21.5	20.8
9 8	23 36.79	−51 31.7	1.078	1.918	22.3	20.8
9 18	23 20.49	−51 20.7	1.096	1.907	23.7	20.9
9 28	23 6.16	−50 5.1	1.127	1.895	25.4	21.0
10 8	22 55.94	−47 54.4	1.171	1.883	27.3	21.1
10 18	22 50.67	−45 2.1	1.225	1.872	29.0	21.3

14248 2000 AF_{56} 9 13.8 357°.62 0°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.50	− 2 4.1	1.742	2.605	14.3	17.4
8 19	23 43.25	− 2 32.8	1.670	2.602	10.9	17.2
8 29	23 38.04	− 3 14.1	1.620	2.600	6.8	16.9
9 8	23 31.45	− 4 3.5	1.595	2.598	2.5	16.7
9 18	23 24.32	− 4 55.3	1.596	2.598	2.1	16.6
9 28	23 17.60	− 5 42.8	1.623	2.598	6.5	16.9
10 8	23 12.21	− 6 20.3	1.676	2.599	10.5	17.2
10 18	23 8.76	− 6 44.0	1.751	2.600	14.0	17.4

147190 2002 VY_{84} 9 13.8 290°.17 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.22	− 1 36.2	1.490	2.355	16.2	20.3
8 19	23 46.61	− 2 13.9	1.404	2.337	12.5	20.0
8 29	23 40.49	− 3 8.7	1.338	2.318	7.9	19.7
9 8	23 32.47	− 4 15.5	1.297	2.300	2.9	19.4
9 18	23 23.51	− 5 26.9	1.280	2.282	2.6	19.3
9 28	23 14.87	− 6 33.8	1.290	2.264	7.9	19.6
10 8	23 7.78	− 7 27.8	1.324	2.246	12.8	19.8
10 18	23 3.14	− 8 3.6	1.379	2.228	17.1	20.0

485898 2012 FR_{59} 9 13.8 225°.18 1°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	− 3 51.3	2.619	3.467	10.6	22.2
8 19	23 42.77	− 4 51.6	2.534	3.460	7.9	22.0
8 29	23 37.47	− 6 1.0	2.474	3.453	4.9	21.8
9 8	23 31.19	− 7 15.3	2.442	3.446	1.8	21.6
9 18	23 24.50	− 8 29.2	2.440	3.438	2.3	21.6
9 28	23 18.05	− 9 37.5	2.467	3.430	5.5	21.8
10 8	23 12.47	−10 35.4	2.522	3.422	8.5	22.0
10 18	23 8.25	−11 20.0	2.601	3.413	11.1	22.1

242862 2006 GA_{31} 9 13.8 174°.82 1°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.76	+ 6 37.4	2.300	3.109	13.1	21.5
8 19	23 45.25	+ 5 57.9	2.217	3.112	10.3	21.4
8 29	23 39.10	+ 5 1.6	2.156	3.114	7.1	21.2
9 8	23 31.82	+ 3 51.6	2.122	3.115	3.7	20.9
9 18	23 24.08	+ 2 32.4	2.116	3.116	2.1	20.8
9 28	23 16.67	+ 1 10.2	2.140	3.117	4.9	21.0
10 8	23 10.32	− 0 8.5	2.192	3.117	8.3	21.2
10 18	23 5.59	− 1 18.2	2.270	3.116	11.4	21.4

419022 2009 QF_{31} 9 13.8 232°.32 28°.8/10.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 52.65	+24 58.9	0.979	1.665	34.0	20.9
8 19	0 41.60	+31 40.3	0.897	1.655	32.0	20.6
8 29	0 21.49	+38 30.4	0.836	1.644	30.0	20.4
9 8	23 50.32	+44 44.4	0.800	1.631	28.9	20.2
9 18	23 8.65	+49 22.2	0.789	1.617	29.2	20.2
9 28	22 22.60	+51 41.7	0.803	1.602	30.9	20.3
10 8	21 41.62	+51 53.3	0.836	1.586	33.3	20.4
10 18	21 11.89	+50 45.3	0.882	1.569	35.7	20.6

327599 2006 DO_{201} 9 13.8 237°.39 5°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.77	−22 19.7	2.673	3.540	9.8	21.2
8 19	23 44.43	−23 43.4	2.606	3.529	7.8	21.1
8 29	23 38.56	−25 4.6	2.564	3.518	6.3	21.0
9 8	23 31.62	−26 16.8	2.549	3.506	6.0	20.9
9 18	23 24.22	−27 14.5	2.562	3.494	7.2	21.0
9 28	23 17.10	−27 53.6	2.601	3.482	9.1	21.1
10 8	23 10.95	−28 12.1	2.664	3.469	11.2	21.2
10 18	23 6.28	−28 10.4	2.748	3.457	13.1	21.4

219857 2002 CB_{230} 9 13.8 301°.45 0°.1/13.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.07	− 2 24.4	4.137	4.972	7.3	21.1
8 19	23 38.84	− 2 49.7	4.049	4.966	5.5	21.0
8 29	23 34.78	− 3 20.3	3.987	4.961	3.4	20.8
9 8	23 30.16	− 3 54.3	3.953	4.956	1.2	20.6
9 18	23 25.31	− 4 29.2	3.948	4.950	1.0	20.6
9 28	23 20.62	− 5 2.7	3.974	4.945	3.2	20.8
10 8	23 16.42	− 5 32.5	4.029	4.940	5.3	20.9
10 18	23 13.04	− 5 56.5	4.110	4.934	7.1	21.1

260259 2004 SZ_{11} 9 13.8 6°.61 7°.1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.74	−17 3.2	1.624	2.519	13.5	18.9
8 19	23 42.11	−19 1.3	1.574	2.520	10.4	18.8
8 29	23 37.38	−21 0.5	1.548	2.521	7.8	18.6
9 8	23 31.23	−22 49.8	1.547	2.524	7.1	18.6
9 18	23 24.53	−24 19.3	1.571	2.527	8.9	18.7
9 28	23 18.36	−25 21.5	1.619	2.532	11.8	18.9
10 8	23 13.63	−25 53.6	1.690	2.537	14.7	19.1
10 18	23 10.98	−25 56.6	1.778	2.542	17.3	19.3

29906 1999 HF_{12} 9 13.8 22°.66 3°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.44	+10 3.0	1.874	2.686	15.6	18.8
8 19	23 43.11	+ 9 35.3	1.797	2.688	12.5	18.6
8 29	23 37.91	+ 8 45.6	1.740	2.691	9.0	18.4
9 8	23 31.41	+ 7 36.2	1.707	2.694	5.4	18.2
9 18	23 24.39	+ 6 11.9	1.701	2.697	3.4	18.0
9 28	23 17.77	+ 4 40.3	1.722	2.701	5.7	18.2
10 8	23 12.38	+ 3 9.7	1.769	2.705	9.2	18.4
10 18	23 8.85	+ 1 47.7	1.842	2.709	12.6	18.6

64607 2001 XG_{23} 9 13.8 145°.84 4°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.59	−14 45.2	2.309	3.174	11.2	20.0
8 19	23 46.56	−15 33.3	2.246	3.179	8.4	19.9
8 29	23 39.87	−16 22.2	2.209	3.183	5.7	19.7
9 8	23 32.08	−17 6.5	2.198	3.188	4.1	19.6
9 18	23 23.92	−17 40.9	2.215	3.192	5.1	19.7
9 28	23 16.19	−18 1.5	2.261	3.196	7.7	19.8
10 8	23 9.63	−18 6.1	2.332	3.199	10.4	20.0
10 18	23 4.76	−17 54.7	2.425	3.203	12.8	20.2

243469 2009 SY_{158} 9 13.8 318°.29 3°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.21	+ 8 34.3	2.057	2.870	14.3	20.5
8 19	23 42.91	+ 8 26.3	1.963	2.856	11.6	20.3
8 29	23 37.80	+ 7 59.9	1.890	2.842	8.4	20.0
9 8	23 31.40	+ 7 16.5	1.841	2.828	5.1	19.8
9 18	23 24.37	+ 6 19.2	1.819	2.815	3.3	19.7
9 28	23 17.60	+ 5 13.5	1.824	2.802	5.5	19.8
10 8	23 11.89	+ 4 6.2	1.855	2.789	8.9	20.0
10 18	23 7.92	+ 3 3.7	1.911	2.777	12.3	20.2

508867 2002 VY_{70} 9 13.8 336°.39 7°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.31	−13 57.0	1.035	1.947	17.9	20.1
8 19	23 44.50	−15 5.3	0.970	1.927	13.8	19.7
8 29	23 39.54	−16 20.7	0.923	1.909	9.5	19.5
9 8	23 32.20	−17 31.1	0.897	1.892	7.1	19.3
9 18	23 23.77	−18 23.6	0.892	1.876	9.1	19.3
9 28	23 15.92	−18 47.5	0.908	1.862	13.6	19.5
10 8	23 10.22	−18 38.2	0.943	1.850	18.3	19.8
10 18	23 7.66	−17 56.6	0.995	1.839	22.5	20.0

483128 2015 OC_{13} 9 13.8 13°.57 2°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.18	− 8 19.8	1.664	2.538	14.3	20.7
8 19	23 46.08	− 9 0.4	1.601	2.540	10.7	20.5
8 29	23 39.83	− 9 48.6	1.560	2.542	6.7	20.3
9 8	23 32.13	−10 37.8	1.543	2.545	3.2	20.1
9 18	23 23.89	−11 21.5	1.553	2.548	4.1	20.2
9 28	23 16.19	−11 53.4	1.590	2.551	8.0	20.4
10 8	23 9.99	−12 9.3	1.650	2.555	11.9	20.6
10 18	23 5.93	−12 7.8	1.733	2.559	15.2	20.9

443083 2013 GG_{64} 9 13.8 150°.10 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.86	+ 1 37.2	2.475	3.307	11.6	21.0
8 19	23 42.94	+ 0 34.1	2.398	3.312	8.8	20.8
8 29	23 37.57	− 0 42.1	2.345	3.317	5.6	20.6
9 8	23 31.24	− 2 7.1	2.319	3.321	2.1	20.4
9 18	23 24.53	− 3 35.4	2.323	3.326	1.5	20.3
9 28	23 18.14	− 5 0.8	2.357	3.330	4.9	20.6
10 8	23 12.68	− 6 17.8	2.420	3.334	8.2	20.8
10 18	23 8.66	− 7 22.2	2.508	3.337	10.9	21.0

46787 1998 HL_{129} 9 13.8 309°.74 0°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 53.12	− 2 7.4	1.467	2.329	16.6	18.4
8 19	23 49.00	− 1 58.9	1.372	2.303	12.9	18.1
8 29	23 42.15	− 2 2.5	1.299	2.277	8.4	17.7
9 8	23 33.16	− 2 15.7	1.248	2.251	3.3	17.4
9 18	23 23.03	− 2 34.0	1.223	2.225	2.2	17.2
9 28	23 13.11	− 2 51.5	1.223	2.201	7.7	17.5
10 8	23 4.77	− 3 2.3	1.247	2.176	12.8	17.7
10 18	22 59.04	− 3 1.8	1.292	2.152	17.3	17.9

281444 2008 SR_{83} 9 13.8 5°.05 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.37	− 1 18.6	1.627	2.485	15.4	21.4
8 19	23 46.32	− 1 52.8	1.556	2.485	11.7	21.2
8 29	23 40.05	− 2 41.6	1.507	2.485	7.4	20.9
9 8	23 32.23	− 3 40.0	1.482	2.486	2.7	20.6
9 18	23 23.80	− 4 41.3	1.484	2.486	2.2	20.6
9 28	23 15.86	− 5 38.0	1.512	2.486	6.9	20.9
10 8	23 9.41	− 6 23.6	1.565	2.487	11.2	21.1
10 18	23 5.16	− 6 53.9	1.641	2.487	14.9	21.4

221434 2005 YL_{273} 9 13.8 105°.59 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.28	+ 4 17.4	2.467	3.285	12.1	20.7
8 19	23 43.98	+ 3 58.8	2.393	3.295	9.4	20.5
8 29	23 38.21	+ 3 27.5	2.342	3.304	6.3	20.3
9 8	23 31.48	+ 2 45.9	2.318	3.313	3.2	20.1
9 18	23 24.38	+ 1 57.6	2.321	3.322	1.8	20.1
9 28	23 17.63	+ 1 7.2	2.354	3.331	4.5	20.3
10 8	23 11.85	+ 0 19.4	2.415	3.340	7.6	20.5
10 18	23 7.55	− 0 21.9	2.501	3.349	10.4	20.7

103839 2000 DN_{32} 9 13.8 23°.99 0°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.98	+ 0 23.7	1.682	2.534	15.3	19.4
8 19	23 45.92	+ 0 5.3	1.613	2.537	11.7	19.2
8 29	23 39.74	− 0 27.7	1.566	2.540	7.6	18.9
9 8	23 32.11	− 1 11.4	1.542	2.544	3.1	18.7
9 18	23 23.91	− 2 0.5	1.545	2.548	1.8	18.6
9 28	23 16.21	− 2 48.3	1.575	2.552	6.3	18.9
10 8	23 9.95	− 3 28.6	1.630	2.557	10.5	19.2
10 18	23 5.81	− 3 57.0	1.708	2.562	14.1	19.4

514759 2007 ET_{64} 9 13.8 250°.03 0°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.26	− 0 42.5	2.301	3.146	12.0	21.7
8 19	23 42.66	− 1 45.1	2.218	3.141	9.0	21.5
8 29	23 37.49	− 3 0.5	2.159	3.136	5.7	21.3
9 8	23 31.25	− 4 24.0	2.128	3.131	2.0	21.1
9 18	23 24.54	− 5 49.7	2.125	3.126	1.9	21.0
9 28	23 18.12	− 7 11.0	2.151	3.121	5.6	21.3
10 8	23 12.68	− 8 22.3	2.205	3.116	9.0	21.5
10 18	23 8.77	− 9 19.2	2.283	3.111	12.0	21.7

12238 Actor 9 13.8 320°.83 4°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.87	+20 8.9	4.026	4.733	9.6	17.9
8 19	23 38.81	+20 5.6	3.922	4.725	8.2	17.8
8 29	23 34.82	+19 48.8	3.840	4.718	6.7	17.7
9 8	23 30.20	+19 18.7	3.782	4.711	5.3	17.6
9 18	23 25.32	+18 36.2	3.751	4.703	4.4	17.5
9 28	23 20.58	+17 43.6	3.748	4.696	4.4	17.5
10 8	23 16.38	+16 44.1	3.774	4.689	5.4	17.6
10 18	23 13.06	+15 41.2	3.826	4.683	6.9	17.7

259843 2004 CW_{51} 9 13.8 53°.63 11°.6/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.52	+10 56.2	0.921	1.752	26.5	19.5
8 19	0 1.86	+13 33.6	0.868	1.760	22.3	19.3
8 29	23 50.84	+15 47.4	0.830	1.769	17.6	19.1
9 8	23 36.48	+17 27.0	0.811	1.778	13.5	18.9
9 18	23 20.68	+18 25.0	0.813	1.788	11.6	18.8
9 28	23 5.94	+18 42.5	0.837	1.798	13.3	19.0
10 8	22 54.42	+18 29.8	0.881	1.808	17.0	19.2
10 18	22 47.35	+18 0.9	0.943	1.818	20.9	19.5

22228 5081 $T\text{-}_{2}$ 9 13.8 179°.22 4°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.46	+14 8.4	1.992	2.774	15.8	19.0
8 19	23 44.60	+13 47.7	1.907	2.774	13.0	18.8
8 29	23 38.85	+13 3.2	1.843	2.774	9.9	18.6
9 8	23 31.79	+11 56.1	1.802	2.775	6.7	18.4
9 18	23 24.17	+10 30.1	1.787	2.775	4.7	18.3
9 28	23 16.91	+ 8 51.9	1.800	2.774	6.0	18.4
10 8	23 10.86	+ 7 10.3	1.840	2.774	9.0	18.5
10 18	23 6.67	+ 5 33.5	1.906	2.773	12.2	18.7

484708 2008 VW_{31} 9 13.8 319°.76 5°.5/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.49	−13 36.0	1.469	2.357	15.1	21.1
8 19	23 46.79	−14 37.6	1.398	2.343	11.5	20.9
8 29	23 40.56	−15 44.0	1.349	2.330	7.8	20.6
9 8	23 32.50	−16 46.3	1.324	2.317	5.5	20.5
9 18	23 23.64	−17 35.5	1.324	2.305	7.1	20.5
9 28	23 15.28	−18 3.9	1.348	2.294	10.8	20.7
10 8	23 8.60	−18 7.8	1.394	2.283	14.7	20.9
10 18	23 4.41	−17 47.0	1.460	2.272	18.2	21.1

95093 2002 AB_{101} 9 13.8 82°.63 1°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.52	− 4 36.5	1.637	2.501	15.1	19.9
8 19	23 47.79	− 5 15.3	1.579	2.512	11.3	19.7
8 29	23 40.88	− 6 4.8	1.542	2.523	7.0	19.5
9 8	23 32.52	− 6 59.2	1.531	2.534	2.6	19.2
9 18	23 23.68	− 7 51.6	1.546	2.546	3.0	19.3
9 28	23 15.46	− 8 35.4	1.588	2.557	7.3	19.6
10 8	23 8.82	− 9 5.4	1.655	2.568	11.3	19.8
10 18	23 4.40	− 9 19.3	1.745	2.579	14.8	20.1

366262 2013 AD_{19} 9 13.8 275°.68 2°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.62	−14 6.6	4.429	5.291	6.3	20.4
8 19	23 38.48	−14 52.5	4.357	5.288	4.7	20.3
8 29	23 34.55	−15 39.3	4.311	5.285	3.2	20.2
9 8	23 30.10	−16 24.1	4.294	5.283	2.3	20.1
9 18	23 25.45	−17 4.4	4.306	5.280	3.0	20.2
9 28	23 20.94	−17 37.8	4.348	5.277	4.5	20.3
10 8	23 16.92	−18 2.6	4.417	5.275	6.1	20.4
10 18	23 13.68	−18 17.8	4.510	5.272	7.6	20.5

513212 2005 UU_{94} 9 13.8 294°.87 0°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.05	− 0 4.1	1.535	2.390	16.3	22.0
8 19	23 47.97	− 0 11.1	1.447	2.373	12.7	21.7
8 29	23 41.36	− 0 33.4	1.380	2.355	8.3	21.4
9 8	23 32.84	− 1 8.0	1.336	2.338	3.4	21.1
9 18	23 23.37	− 1 49.7	1.317	2.320	2.1	21.0
9 28	23 14.21	− 2 31.7	1.325	2.303	7.2	21.2
10 8	23 6.59	− 3 6.9	1.358	2.286	12.0	21.5
10 18	23 1.41	− 3 30.0	1.411	2.269	16.3	21.7

342580 2008 UK_{268} 9 13.8 347°.93 0°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.51	+ 0 1.7	1.549	2.408	16.0	21.1
8 19	23 45.80	− 0 25.6	1.477	2.405	12.3	20.9
8 29	23 39.80	− 1 9.2	1.426	2.403	7.9	20.6
9 8	23 32.19	− 2 4.5	1.398	2.401	3.1	20.3
9 18	23 23.90	− 3 5.2	1.397	2.399	2.0	20.3
9 28	23 16.09	− 4 3.2	1.421	2.398	6.9	20.6
10 8	23 9.82	− 4 51.5	1.470	2.397	11.4	20.8
10 18	23 5.81	− 5 25.1	1.541	2.397	15.3	21.1

474329 2002 ET_{25} 9 13.8 126°.51 0°.3/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.22	− 3 38.5	1.937	2.780	14.0	21.2
8 19	23 51.03	− 3 39.8	1.869	2.790	10.6	21.0
8 29	23 42.80	− 3 49.6	1.825	2.800	6.7	20.7
9 8	23 33.22	− 4 4.5	1.806	2.809	2.4	20.5
9 18	23 23.18	− 4 20.7	1.817	2.819	1.9	20.5
9 28	23 13.69	− 4 33.7	1.855	2.827	6.1	20.8
10 8	23 5.67	− 4 40.0	1.921	2.836	9.9	21.0
10 18	22 59.72	− 4 37.2	2.011	2.844	13.1	21.3

515030 2009 UM_{130} 9 13.8 341°.57 15°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.34	−29 3.7	0.856	1.774	20.1	19.2
8 19	23 45.44	−30 27.8	0.798	1.744	17.5	18.9
8 29	23 40.62	−31 36.6	0.756	1.717	15.8	18.7
9 8	23 32.74	−32 11.9	0.731	1.691	15.8	18.6
9 18	23 23.46	−31 58.5	0.723	1.669	17.8	18.6
9 28	23 15.02	−30 48.9	0.730	1.649	21.0	18.7
10 8	23 9.35	−28 46.2	0.752	1.632	24.6	18.9
10 18	23 7.56	−26 0.6	0.788	1.619	28.1	19.1

369819 2012 HD_{60} 9 13.8 40°.11 2°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.12	+ 5 44.6	2.236	3.058	13.1	20.6
8 19	23 42.51	+ 5 20.8	2.167	3.069	10.2	20.5
8 29	23 37.37	+ 4 42.1	2.120	3.081	7.0	20.3
9 8	23 31.20	+ 3 51.0	2.098	3.092	3.7	20.1
9 18	23 24.67	+ 2 51.7	2.104	3.105	2.1	20.0
9 28	23 18.52	+ 1 49.6	2.138	3.117	4.8	20.2
10 8	23 13.41	+ 0 50.4	2.200	3.130	8.0	20.5
10 18	23 9.84	− 0 1.2	2.287	3.143	10.9	20.7

396901 2004 XV_{161} 9 13.8 336°.64 14°.7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.10	−43 27.8	1.769	2.605	15.4	19.4
8 19	23 47.51	−45 33.3	1.737	2.590	14.8	19.3
8 29	23 41.10	−47 16.4	1.725	2.576	14.8	19.3
9 8	23 32.70	−48 26.7	1.732	2.562	15.6	19.3
9 18	23 23.57	−48 57.2	1.758	2.549	16.8	19.4
9 28	23 15.17	−48 45.7	1.801	2.538	18.3	19.4
10 8	23 8.78	−47 55.1	1.858	2.527	19.7	19.5
10 18	23 5.17	−46 31.0	1.927	2.516	21.0	19.7

187056 2005 MG_{10} 9 13.8 112°.93 0°.5/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.00	+ 1 57.0	1.541	2.391	16.5	21.0
8 19	23 46.86	+ 1 7.6	1.475	2.398	12.7	20.8
8 29	23 40.41	− 0 1.0	1.431	2.405	8.2	20.6
9 8	23 32.40	− 1 23.2	1.410	2.412	3.2	20.3
9 18	23 23.80	− 2 51.1	1.416	2.419	2.0	20.2
9 28	23 15.76	− 4 15.4	1.450	2.426	6.9	20.5
10 8	23 9.33	− 5 27.6	1.508	2.432	11.4	20.8
10 18	23 5.19	− 6 22.2	1.589	2.439	15.2	21.1

95740 2003 EB_{16} 9 13.8 79°.67 3°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.96	+ 6 51.7	1.274	2.116	19.8	19.8
8 19	23 48.67	+ 6 31.1	1.218	2.131	15.6	19.6
8 29	23 41.69	+ 5 44.8	1.180	2.145	10.7	19.4
9 8	23 32.89	+ 4 36.5	1.165	2.160	5.7	19.2
9 18	23 23.48	+ 3 13.6	1.174	2.175	3.2	19.1
9 28	23 14.85	+ 1 46.7	1.208	2.189	7.2	19.3
10 8	23 8.20	+ 0 26.6	1.267	2.204	11.9	19.7
10 18	23 4.25	− 0 38.8	1.347	2.218	16.1	19.9

310676 2002 FO_{34} 9 13.8 120°.58 4°.7/ 8.7 18

8 9	23 53.92	−18 29.5	2.429	3.290	10.9	20.1
8 19	23 48.20	−19 7.3	2.373	3.299	8.3	19.9
8 29	23 40.86	−19 42.7	2.341	3.308	6.0	19.8
9 8	23 32.48	−20 10.6	2.336	3.317	4.7	19.8
9 18	23 23.80	−20 26.5	2.359	3.325	5.7	19.8
9 28	23 15.61	−20 27.5	2.411	3.333	7.9	20.0
10 8	23 8.62	−20 12.7	2.488	3.341	10.3	20.2
10 18	23 3.34	−19 42.8	2.588	3.349	12.5	20.3

42442 2603 T-3 9 13.8 163°.41 4°.1/19.5 18

8 9	23 47.37	+14 6.7	2.603	3.368	12.9	20.0
8 19	23 43.35	+13 52.1	2.516	3.371	10.7	19.8
8 29	23 37.87	+13 19.5	2.450	3.374	8.1	19.7
9 8	23 31.41	+12 29.9	2.409	3.376	5.6	19.5
9 18	23 24.55	+11 25.8	2.395	3.378	4.1	19.4
9 28	23 17.96	+10 11.8	2.410	3.380	5.0	19.5
10 8	23 12.29	+ 8 53.8	2.453	3.382	7.3	19.6
10 18	23 8.04	+ 7 37.5	2.523	3.384	9.9	19.8

300701 2007 VJ_{89} 9 13.8 267°.11 1°.4/15.3 18

8 9	23 48.03	+ 4 14.3	1.939	2.772	14.3	20.7
8 19	23 44.33	+ 3 36.9	1.854	2.764	11.2	20.4
8 29	23 38.74	+ 2 41.8	1.789	2.757	7.5	20.2
9 8	23 31.80	+ 1 32.1	1.751	2.749	3.5	19.9
9 18	23 24.25	+ 0 13.5	1.739	2.741	1.8	19.8
9 28	23 17.02	− 1 7.0	1.755	2.733	5.7	20.1
10 8	23 10.98	− 2 21.9	1.798	2.726	9.6	20.3
10 18	23 6.78	− 3 25.1	1.865	2.718	13.2	20.5

189325 2007 AA_{29} 9 13.8 299°.13 1°.0/14.9 18

8 9	23 48.38	+ 1 56.0	2.116	2.952	13.2	20.8
8 19	23 44.40	+ 1 33.3	2.034	2.948	10.2	20.6
8 29	23 38.68	+ 0 57.2	1.974	2.944	6.7	20.4
9 8	23 31.75	+ 0 10.6	1.940	2.941	2.9	20.2
9 18	23 24.31	− 0 42.1	1.934	2.937	1.6	20.1
9 28	23 17.19	− 1 35.4	1.956	2.933	5.3	20.3
10 8	23 11.17	− 2 23.7	2.005	2.930	9.0	20.5
10 18	23 6.86	− 3 2.5	2.079	2.927	12.2	20.8

393584 2003 SF_{251} 9 13.8 303°.83 3°.6/10.9 18 R

8 9	23 52.51	−10 40.9	1.634	2.509	14.5	20.3
8 19	23 48.18	−11 15.5	1.550	2.489	11.0	20.0
8 29	23 41.42	−11 56.2	1.488	2.470	7.1	19.7
9 8	23 32.86	−12 36.5	1.451	2.450	3.9	19.5
9 18	23 23.46	−13 9.5	1.440	2.431	5.0	19.5
9 28	23 14.42	−13 28.6	1.454	2.412	9.0	19.7
10 8	23 6.89	−13 29.8	1.493	2.393	13.2	19.9
10 18	23 1.70	−13 11.7	1.553	2.375	16.8	20.1

113074 2002 RP_{62} 9 13.8 16°.54 3°.4/11.3 18

8 9	23 41.57	− 4 53.6	0.821	1.739	20.7	17.7
8 19	23 40.91	− 6 7.8	0.786	1.748	15.4	17.4
8 29	23 37.12	− 7 40.1	0.769	1.760	9.4	17.2
9 8	23 31.25	− 9 17.7	0.770	1.775	4.0	16.9
9 18	23 24.74	−10 45.7	0.793	1.791	5.5	17.1
9 28	23 19.22	−11 51.1	0.836	1.809	11.0	17.5
10 8	23 15.97	−12 26.7	0.898	1.830	16.2	17.9
10 18	23 15.63	−12 31.7	0.977	1.852	20.4	18.2

246967 1999 TY_{106} 9 13.8 17°.08 11°.7/27.0 17

8 9	23 38.88	+25 34.2	1.040	1.830	26.7	18.1
8 19	23 38.65	+26 0.7	0.993	1.842	23.5	17.9
8 29	23 35.64	+25 38.8	0.957	1.858	19.8	17.7
9 8	23 30.72	+24 25.7	0.937	1.875	15.9	17.6
9 18	23 25.10	+22 24.9	0.934	1.895	12.8	17.5
9 28	23 20.24	+19 48.5	0.953	1.916	11.7	17.5
10 8	23 17.37	+16 55.5	0.992	1.939	13.2	17.7
10 18	23 17.18	+14 5.0	1.054	1.965	16.1	18.0

253373 2003 HV_{12} 9 13.8 121°.39 0°.8/14.8 18

8 9	23 47.37	+ 3 16.6	2.328	3.155	12.4	20.6
8 19	23 43.41	+ 2 24.8	2.254	3.164	9.5	20.4
8 29	23 37.93	+ 1 18.7	2.204	3.172	6.2	20.2
9 8	23 31.44	+ 0 2.2	2.180	3.180	2.7	20.0
9 18	23 24.57	− 1 19.3	2.185	3.188	1.4	19.9
9 28	23 18.05	− 2 39.8	2.220	3.196	4.9	20.2
10 8	23 12.55	− 3 53.3	2.283	3.203	8.2	20.4
10 18	23 8.57	− 4 55.2	2.371	3.210	11.1	20.6

340044 2005 UO_{508} 9 13.8 336°.04 0°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.34	− 0 31.7	1.179	2.059	18.6	20.2
8 19	23 44.95	− 0 34.2	1.103	2.042	14.4	19.9
8 29	23 39.72	− 0 54.8	1.045	2.026	9.4	19.6
9 8	23 32.32	− 1 29.9	1.008	2.011	3.8	19.2
9 18	23 23.87	− 2 13.3	0.994	1.997	2.4	19.1
9 28	23 15.85	− 2 56.3	1.003	1.984	8.2	19.4
10 8	23 9.68	− 3 30.1	1.034	1.973	13.7	19.6
10 18	23 6.35	− 3 48.6	1.084	1.964	18.5	19.9

400697 2009 RV_4 9 13.8 348°.09 2°.2/15.8 18

8 9	23 51.49	+ 3 21.0	2.085	2.910	13.7	20.6
8 19	23 46.77	+ 3 35.3	2.003	2.908	10.8	20.4
8 29	23 40.20	+ 3 37.0	1.944	2.906	7.4	20.2
9 8	23 32.33	+ 3 27.5	1.910	2.905	3.9	20.0
9 18	23 23.92	+ 3 9.5	1.903	2.903	2.4	19.9
9 28	23 15.86	+ 2 47.1	1.925	2.902	5.4	20.1
10 8	23 8.97	+ 2 24.7	1.973	2.901	8.9	20.3
10 18	23 3.90	+ 2 6.6	2.046	2.901	12.1	20.5

300804 2007 WB_2 9 13.8 278°.28 2°.0/11.9 18

8 9	23 51.69	− 7 8.6	1.892	2.755	13.4	21.1
8 19	23 47.14	− 7 40.1	1.812	2.745	10.1	20.8
8 29	23 40.54	− 8 19.5	1.755	2.736	6.3	20.6
9 8	23 32.48	− 9 1.6	1.723	2.726	2.7	20.3
9 18	23 23.81	− 9 40.8	1.719	2.716	3.3	20.4
9 28	23 15.51	−10 11.4	1.743	2.706	7.2	20.6
10 8	23 8.51	−10 29.1	1.791	2.697	11.0	20.8
10 18	23 3.51	−10 31.7	1.863	2.687	14.4	21.0

207553 2006 LU_4 9 13.8 71°.23 2°.6/12.1 17

8 9	23 58.88	− 7 40.4	1.257	2.131	18.0	19.8
8 19	23 52.97	− 8 6.1	1.213	2.152	13.5	19.6
8 29	23 44.28	− 8 40.1	1.190	2.172	8.4	19.3
9 8	23 33.82	− 9 15.4	1.190	2.193	3.5	19.1
9 18	23 22.95	− 9 44.2	1.216	2.214	4.2	19.2
9 28	23 13.14	−10 0.4	1.267	2.234	8.9	19.6
10 8	23 5.55	−10 0.4	1.342	2.255	13.4	19.9
10 18	23 0.85	− 9 43.7	1.437	2.275	17.1	20.2

137265 1999 RO_{125} 9 13.8 0°.49 2°.9/15.6 18

8 9	23 48.79	+ 2 40.2	1.025	1.904	20.9	19.1
8 19	23 46.22	+ 3 2.2	0.965	1.900	16.4	18.8
8 29	23 40.54	+ 3 2.1	0.922	1.898	11.2	18.5
9 8	23 32.61	+ 2 42.0	0.899	1.898	5.6	18.2
9 18	23 23.73	+ 2 7.2	0.897	1.899	3.3	18.1
9 28	23 15.55	+ 1 26.5	0.917	1.901	8.2	18.4
10 8	23 9.55	+ 0 49.4	0.959	1.905	13.6	18.7
10 18	23 6.65	+ 0 23.5	1.020	1.910	18.4	19.0

511636 2015 BS_{126} 9 13.8 227°.72 1°.0/14.6 17

8 9	23 54.88	+ 1 6.2	1.715	2.554	15.6	22.2
8 19	23 49.81	+ 0 52.3	1.629	2.545	12.1	21.9
8 29	23 42.39	+ 0 23.0	1.564	2.535	8.0	21.7
9 8	23 33.23	− 0 18.5	1.525	2.525	3.4	21.4
9 18	23 23.26	− 1 7.3	1.512	2.515	2.0	21.2
9 28	23 13.66	− 1 56.7	1.527	2.503	6.6	21.5
10 8	23 5.52	− 2 40.0	1.568	2.492	11.1	21.7
10 18	22 59.67	− 3 12.2	1.632	2.479	15.0	22.0

64040 2001 SU_{231} 9 13.8 130°.47 2°.0/11.8 18

8 9	23 51.83	− 7 37.9	2.182	3.039	12.1	19.5
8 19	23 46.83	− 8 12.0	2.116	3.046	9.0	19.4
8 29	23 40.12	− 8 52.1	2.073	3.053	5.6	19.2
9 8	23 32.27	− 9 33.5	2.057	3.059	2.4	19.0
9 18	23 24.02	−10 11.2	2.070	3.066	3.1	19.0
9 28	23 16.20	−10 40.6	2.111	3.072	6.4	19.3
10 8	23 9.58	−10 58.3	2.179	3.078	9.7	19.5
10 18	23 4.70	−11 2.8	2.270	3.083	12.5	19.7

122729 2000 SL_{43} 9 13.8 357°.54 1°.8/12.3 18

8 9	23 48.64	− 4 8.7	1.394	2.272	16.4	20.0
8 19	23 45.36	− 4 57.3	1.329	2.270	12.3	19.7
8 29	23 39.64	− 6 0.2	1.285	2.268	7.7	19.5
9 8	23 32.19	− 7 10.4	1.264	2.268	2.9	19.2
9 18	23 24.05	− 8 19.5	1.268	2.267	3.5	19.2
9 28	23 16.48	− 9 18.2	1.297	2.268	8.3	19.5
10 8	23 10.58	− 9 59.9	1.350	2.268	12.9	19.8
10 18	23 7.10	−10 21.0	1.423	2.270	16.8	20.0

45162 1999 XX_{124} 9 13.8 70°.52 6°.8/19.6 18

8 9	23 52.54	+14 1.2	1.529	2.325	19.2	18.4
8 19	23 48.29	+14 31.8	1.453	2.326	16.0	18.2
8 29	23 41.52	+14 36.8	1.396	2.327	12.4	18.0
9 8	23 32.92	+14 14.7	1.360	2.328	8.9	17.8
9 18	23 23.51	+13 27.4	1.347	2.330	6.9	17.7
9 28	23 14.56	+12 20.9	1.360	2.331	8.0	17.8
10 8	23 7.27	+11 4.6	1.398	2.332	11.2	18.0
10 18	23 2.47	+ 9 48.4	1.458	2.334	14.8	18.2

19445 1998 FE_{112} 9 13.8 310°.85 7°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.21	+18 29.5	1.730	2.498	18.3	16.8
8 19	23 44.83	+18 40.0	1.645	2.493	15.7	16.6
8 29	23 39.24	+18 22.6	1.577	2.489	12.6	16.4
9 8	23 32.06	+17 35.7	1.530	2.484	9.5	16.2
9 18	23 24.13	+16 21.2	1.507	2.480	7.5	16.1
9 28	23 16.57	+14 45.2	1.510	2.476	7.9	16.1
10 8	23 10.40	+12 57.4	1.538	2.472	10.5	16.3
10 18	23 6.38	+11 8.6	1.590	2.468	13.7	16.5

380738 2005 SM_{49} 9 13.8 340°.54 1°.6/12.7 18

8 9	23 48.16	− 4 46.9	1.151	2.042	18.2	20.1
8 19	23 45.57	− 5 7.8	1.081	2.028	13.8	19.8
8 29	23 40.09	− 5 43.1	1.030	2.016	8.7	19.5
9 8	23 32.46	− 6 26.8	1.001	2.005	3.2	19.1
9 18	23 23.85	− 7 10.6	0.994	1.995	3.5	19.1
9 28	23 15.78	− 7 45.4	1.011	1.987	9.2	19.4
10 8	23 9.66	− 8 4.1	1.049	1.980	14.5	19.7
10 18	23 6.41	− 8 2.9	1.106	1.974	19.0	20.0

260447 2004 YW_{12} 9 13.8 3°.14 8°.8/ 7.1 18

8 9	23 45.54	−15 28.2	0.917	1.837	18.9	19.4
8 19	23 43.98	−17 14.2	0.874	1.835	14.5	19.1
8 29	23 39.17	−19 3.8	0.850	1.834	10.5	18.9
9 8	23 32.08	−20 41.2	0.846	1.835	8.8	18.9
9 18	23 24.18	−21 51.4	0.862	1.837	11.0	19.0
9 28	23 17.20	−22 24.3	0.898	1.841	15.1	19.2
10 8	23 12.57	−22 17.8	0.952	1.847	19.3	19.5
10 18	23 11.08	−21 35.4	1.022	1.854	23.0	19.8

65109 2002 CV_{36} 9 13.8 283°.56 1°.1/11.5 17 R

8 9	23 41.66	− 7 5.5	4.257	5.107	6.8	19.2
8 19	23 38.55	− 7 45.6	4.177	5.104	5.0	19.1
8 29	23 34.63	− 8 29.3	4.123	5.102	3.1	18.9
9 8	23 30.19	− 9 14.1	4.098	5.100	1.3	18.8
9 18	23 25.54	− 9 57.5	4.103	5.097	1.8	18.8
9 28	23 21.03	−10 36.8	4.137	5.095	3.7	19.0
10 8	23 17.02	−11 9.9	4.201	5.093	5.6	19.1
10 18	23 13.79	−11 35.3	4.290	5.090	7.3	19.2

142114 2002 RA_{4} 9 13.8 312°.86 1°.4/12.3 18

8 9	23 42.52	+ 3 1.2	1.247	2.121	18.2	19.3
8 19	23 41.28	+ 0 57.3	1.152	2.091	14.0	18.9
8 29	23 37.45	− 1 45.5	1.078	2.061	8.8	18.5
9 8	23 31.54	− 4 59.2	1.028	2.032	3.1	18.1
9 18	23 24.46	− 8 28.2	1.004	2.004	4.0	18.1
9 28	23 17.58	−11 51.3	1.006	1.976	10.2	18.3
10 8	23 12.29	−14 48.4	1.032	1.949	16.1	18.6
10 18	23 9.66	−17 6.8	1.078	1.922	21.2	18.8

438914 2010 BU_{65} 9 13.8 174°.49 4°.2/18.5 18

8 9	23 52.85	+11 46.0	2.440	3.212	13.5	22.5
8 19	23 47.58	+11 55.0	2.353	3.215	11.1	22.3
8 29	23 40.62	+11 47.5	2.287	3.218	8.3	22.1
9 8	23 32.50	+11 23.9	2.247	3.219	5.6	21.9
9 18	23 23.87	+10 46.1	2.235	3.221	4.2	21.9
9 28	23 15.55	+ 9 58.0	2.252	3.221	5.4	21.9
10 8	23 8.27	+ 9 5.0	2.296	3.221	8.0	22.1
10 18	23 2.63	+ 8 12.4	2.367	3.220	10.7	22.3

41809 2000 WX_{34} 9 13.8 279°.37 1°.0/12.8 18

8 9	23 49.06	− 2 13.8	1.743	2.603	14.5	19.0
8 19	23 45.39	− 3 6.7	1.657	2.588	11.0	18.7
8 29	23 39.57	− 4 14.8	1.593	2.573	6.9	18.5
9 8	23 32.19	− 5 32.7	1.555	2.558	2.5	18.2
9 18	23 24.07	− 6 53.0	1.543	2.543	2.7	18.2
9 28	23 16.26	− 8 7.3	1.558	2.529	7.2	18.4
10 8	23 9.76	− 9 8.3	1.599	2.514	11.5	18.6
10 18	23 5.33	− 9 51.5	1.662	2.499	15.3	18.8

110158 2001 SU_{159} 9 13.8 324°.82 1°.5/14.9 18

8 9	23 52.90	+ 0 27.9	1.404	2.262	17.4	19.3
8 19	23 48.75	+ 0 40.4	1.327	2.252	13.6	19.1
8 29	23 41.92	+ 0 37.8	1.268	2.243	9.0	18.8
9 8	23 33.12	+ 0 22.3	1.233	2.234	4.0	18.5
9 18	23 23.40	− 0 1.7	1.223	2.225	2.3	18.3
9 28	23 14.14	− 0 28.0	1.237	2.217	7.3	18.6
10 8	23 6.60	− 0 50.0	1.276	2.210	12.2	18.9
10 18	23 1.69	− 1 2.5	1.336	2.203	16.5	19.1

163456 2002 RG_{134} 9 13.8 334°.26 6°.8/ 7.9 18

8 9	23 52.07	−18 24.6	1.580	2.464	14.4	18.8
8 19	23 47.81	−19 24.3	1.517	2.456	11.2	18.6
8 29	23 41.12	−20 22.8	1.476	2.448	8.2	18.4
9 8	23 32.75	−21 11.2	1.459	2.441	6.8	18.3
9 18	23 23.72	−21 41.5	1.467	2.434	8.2	18.3
9 28	23 15.28	−21 48.2	1.500	2.428	11.3	18.5
10 8	23 8.51	−21 29.7	1.554	2.423	14.6	18.7
10 18	23 4.14	−20 47.7	1.629	2.418	17.6	18.9

477053 2009 BC_{10} 9 13.8 317°.84 5°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.08	−14 4.4	1.371	2.261	15.8	20.4
8 19	23 47.72	−14 56.8	1.283	2.229	12.2	20.1
8 29	23 41.51	−15 54.9	1.216	2.197	8.4	19.8
9 8	23 33.06	−16 49.7	1.171	2.165	5.9	19.6
9 18	23 23.42	−17 31.2	1.151	2.134	7.6	19.6
9 28	23 14.05	−17 50.6	1.155	2.104	11.8	19.7
10 8	23 6.38	−17 43.1	1.179	2.075	16.3	19.9
10 18	23 1.49	−17 8.3	1.222	2.046	20.4	20.1

184415 2005 MK_{39} 9 13.8 87°.79 1°.1/12.9 17

8 9	23 54.53	− 3 32.3	1.512	2.374	16.2	20.5
8 19	23 49.44	− 4 9.1	1.458	2.390	12.2	20.3
8 29	23 42.01	− 4 58.1	1.426	2.406	7.6	20.1
9 8	23 33.03	− 5 53.2	1.418	2.422	2.7	19.9
9 18	23 23.59	− 6 47.3	1.437	2.437	2.8	19.9
9 28	23 14.88	− 7 33.1	1.482	2.453	7.5	20.2
10 8	23 7.92	− 8 5.1	1.552	2.468	11.7	20.5
10 18	23 3.36	− 8 20.7	1.644	2.483	15.3	20.8

511079 2013 TT_{70} 9 13.8 319°.06 0°.2/13.9 18

8 9	23 47.35	+ 0 18.7	1.230	2.105	18.3	21.4
8 19	23 44.92	− 0 13.0	1.149	2.086	14.2	21.1
8 29	23 39.71	− 1 6.4	1.087	2.068	9.2	20.8
9 8	23 32.37	− 2 17.0	1.047	2.051	3.6	20.4
9 18	23 23.97	− 3 36.5	1.031	2.034	2.4	20.3
9 28	23 15.93	− 4 53.9	1.038	2.018	8.4	20.6
10 8	23 9.66	− 5 58.5	1.068	2.003	13.9	20.8
10 18	23 6.15	− 6 43.0	1.118	1.988	18.7	21.1

404029 2012 CU_{42} 9 13.8 105°.41 3°.2/ 9.8 18

8 9	23 47.81	−10 45.4	2.339	3.206	11.0	21.0
8 19	23 43.77	−11 51.1	2.276	3.211	8.2	20.8
8 29	23 38.20	−13 1.2	2.237	3.216	5.3	20.6
9 8	23 31.59	−14 9.8	2.226	3.222	3.2	20.5
9 18	23 24.61	−15 11.4	2.243	3.227	4.3	20.6
9 28	23 18.00	−16 0.7	2.288	3.232	7.1	20.8
10 8	23 12.42	−16 34.5	2.359	3.237	9.9	21.0
10 18	23 8.40	−16 51.4	2.452	3.242	12.4	21.1

369721 2012 DC_{78} 9 13.8 213°.86 4°.6/ 7.8 18

8 9	23 49.80	−17 26.6	2.615	3.480	10.0	21.5
8 19	23 45.20	−18 27.7	2.545	3.475	7.7	21.4
8 29	23 39.07	−19 28.6	2.501	3.470	5.6	21.2
9 8	23 31.92	−20 23.8	2.484	3.464	4.6	21.2
9 18	23 24.37	−21 8.1	2.495	3.458	5.6	21.2
9 28	23 17.13	−21 37.6	2.534	3.451	7.8	21.4
10 8	23 10.86	−21 50.2	2.599	3.445	10.2	21.5
10 18	23 6.10	−21 45.7	2.686	3.438	12.3	21.7

366022 2012 BR_{133} 9 13.8 193°.23 4°.7/ 8.1 18

8 9	23 49.07	−15 44.9	2.280	3.152	11.1	20.5
8 19	23 44.82	−16 52.6	2.217	3.152	8.4	20.3
8 29	23 38.90	−18 1.3	2.178	3.151	5.9	20.1
9 8	23 31.87	−19 4.7	2.166	3.151	4.7	20.1
9 18	23 24.42	−19 56.7	2.182	3.150	5.8	20.1
9 28	23 17.35	−20 32.8	2.224	3.150	8.3	20.3
10 8	23 11.39	−20 50.4	2.292	3.149	11.0	20.5
10 18	23 7.08	−20 49.2	2.381	3.148	13.3	20.6

159378 1997 TS_{20} 9 13.8 287°.40 0°.8/15.4 16

8 9	23 42.04	+ 2 29.1	4.231	5.046	7.5	20.3
8 19	23 38.86	+ 2 8.7	4.138	5.039	5.8	20.2
8 29	23 34.87	+ 1 41.3	4.070	5.033	3.8	20.0
9 8	23 30.32	+ 1 8.5	4.030	5.027	1.8	19.9
9 18	23 25.55	+ 0 32.3	4.019	5.021	1.0	19.8
9 28	23 20.92	− 0 4.9	4.039	5.015	2.9	19.9
10 8	23 16.77	− 0 40.6	4.087	5.009	4.9	20.1
10 18	23 13.40	− 1 12.4	4.163	5.003	6.7	20.2

364084 2005 YZ_{80} 9 13.8 232°.68 4°.0/ 8.7 18

8 9	23 48.46	−13 52.1	2.381	3.250	10.8	21.1
8 19	23 44.32	−14 58.6	2.311	3.246	8.1	20.9
8 29	23 38.58	−16 7.6	2.266	3.241	5.5	20.8
9 8	23 31.77	−17 13.4	2.247	3.237	4.0	20.7
9 18	23 24.51	−18 10.0	2.257	3.232	5.2	20.7
9 28	23 17.58	−18 52.6	2.295	3.227	7.7	20.9
10 8	23 11.68	−19 18.1	2.358	3.222	10.4	21.1
10 18	23 7.34	−19 25.8	2.443	3.217	12.9	21.2

477876 2011 HO_{56} 9 13.8 67°.38 0°.5/14.3 16

8 9	23 50.24	+ 2 9.7	1.568	2.418	16.3	21.3
8 19	23 46.13	+ 1 17.7	1.515	2.437	12.4	21.1
8 29	23 39.89	+ 0 7.7	1.483	2.457	8.0	20.9
9 8	23 32.26	− 1 14.5	1.475	2.477	3.2	20.6
9 18	23 24.21	− 2 40.9	1.493	2.496	1.9	20.6
9 28	23 16.80	− 4 2.7	1.539	2.516	6.5	20.9
10 8	23 10.97	− 5 12.2	1.611	2.536	10.7	21.2
10 18	23 7.31	− 6 4.7	1.705	2.555	14.3	21.5

58277 1993 TW_{33} 9 13.8 10°.55 3°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.88	− 8 39.1	1.732	2.605	13.9	18.8
8 19	23 45.87	− 9 33.4	1.667	2.606	10.4	18.6
8 29	23 39.77	−10 35.4	1.624	2.607	6.5	18.3
9 8	23 32.25	−11 38.2	1.607	2.608	3.3	18.1
9 18	23 24.19	−12 34.7	1.617	2.609	4.5	18.2
9 28	23 16.63	−13 18.2	1.653	2.610	8.2	18.4
10 8	23 10.48	−13 44.2	1.713	2.612	11.9	18.7
10 18	23 6.40	−13 51.3	1.795	2.614	15.1	18.9

490130 2008 UO_{108} 9 13.8 343°.56 3°.3/15.7 17

8 9	23 46.36	+ 2 0.4	1.076	1.957	19.9	19.9
8 19	23 44.49	+ 2 40.6	1.001	1.937	15.9	19.6
8 29	23 39.62	+ 3 2.8	0.942	1.919	11.0	19.3
9 8	23 32.40	+ 3 7.4	0.904	1.903	5.8	18.9
9 18	23 24.01	+ 2 57.3	0.887	1.888	3.6	18.8
9 28	23 16.02	+ 2 38.7	0.892	1.876	8.3	19.0
10 8	23 10.00	+ 2 19.8	0.918	1.866	13.8	19.3
10 18	23 7.02	+ 2 8.0	0.962	1.858	18.7	19.5

260337 2004 TH_{225} 9 13.8 7°.87 0°.2/13.6 18

8 9	23 48.06	− 1 31.4	1.923	2.777	13.6	20.8
8 19	23 44.31	− 2 0.4	1.851	2.778	10.3	20.6
8 29	23 38.71	− 2 41.4	1.802	2.779	6.5	20.4
9 8	23 31.85	− 3 30.1	1.777	2.780	2.4	20.1
9 18	23 24.49	− 4 21.4	1.780	2.782	1.9	20.1
9 28	23 17.54	− 5 9.3	1.810	2.784	6.0	20.4
10 8	23 11.81	− 5 48.3	1.866	2.787	9.8	20.6
10 18	23 7.90	− 6 15.0	1.946	2.790	13.0	20.8

93150 2000 SC_{81} 9 13.8 233°.61 1°.4/12.5 18 R

8 9	23 50.84	− 4 2.4	1.727	2.589	14.5	19.3
8 19	23 46.64	− 4 49.1	1.654	2.587	10.9	19.0
8 29	23 40.30	− 5 47.9	1.604	2.584	6.8	18.8
9 8	23 32.47	− 6 53.1	1.578	2.582	2.5	18.5
9 18	23 24.03	− 7 57.7	1.580	2.580	3.0	18.6
9 28	23 16.04	− 8 54.2	1.609	2.577	7.3	18.8
10 8	23 9.45	− 9 36.8	1.663	2.575	11.3	19.1
10 18	23 4.98	−10 2.2	1.739	2.572	14.9	19.3

130460 2000 QL_{67} 9 13.8 40°.00 5°.5/10.3 18

8 9	23 55.20	−12 34.2	1.076	1.972	18.7	18.1
8 19	23 50.73	−13 24.0	1.034	1.983	14.1	17.9
8 29	23 43.14	−14 17.9	1.012	1.996	9.2	17.6
9 8	23 33.53	−15 5.3	1.011	2.009	5.7	17.5
9 18	23 23.36	−15 36.7	1.034	2.022	7.2	17.6
9 28	23 14.28	−15 45.2	1.079	2.036	11.5	17.9
10 8	23 7.60	−15 28.9	1.145	2.051	15.8	18.2
10 18	23 4.00	−14 49.8	1.230	2.066	19.6	18.5

34902 2728 P–L 9 13.8 182°.09 2°.1/11.7 18

8 9	23 52.90	− 8 57.6	2.288	3.143	11.7	19.4
8 19	23 47.64	− 9 22.0	2.215	3.144	8.7	19.2
8 29	23 40.67	− 9 51.0	2.165	3.144	5.5	19.0
9 8	23 32.55	−10 20.2	2.143	3.144	2.5	18.8
9 18	23 24.00	−10 45.3	2.149	3.143	3.2	18.9
9 28	23 15.83	−11 2.2	2.184	3.143	6.4	19.1
10 8	23 8.81	−11 8.2	2.245	3.142	9.5	19.3
10 18	23 3.50	−11 1.9	2.331	3.141	12.3	19.5

140007 2001 SG_{43} 9 13.8 29°.09 1°.7/12.2 18

8 9	23 49.12	− 5 4.9	1.799	2.665	13.9	19.0
8 19	23 45.20	− 5 51.2	1.733	2.668	10.4	18.8
8 29	23 39.31	− 6 47.8	1.690	2.671	6.4	18.6
9 8	23 32.08	− 7 48.8	1.672	2.675	2.5	18.3
9 18	23 24.35	− 8 47.7	1.681	2.679	3.1	18.4
9 28	23 17.09	− 9 37.9	1.716	2.683	7.1	18.6
10 8	23 11.17	−10 14.3	1.778	2.687	10.9	18.9
10 18	23 7.21	−10 34.1	1.861	2.692	14.1	19.1

453197 2008 FR_{87} 9 13.8 282°.97 3°.3/10.8 18

8 9	23 53.95	−12 16.3	2.054	2.917	12.5	21.3
8 19	23 48.72	−12 40.6	1.974	2.907	9.4	21.1
8 29	23 41.51	−13 7.5	1.918	2.896	6.1	20.9
9 8	23 32.91	−13 31.9	1.889	2.886	3.5	20.7
9 18	23 23.74	−13 48.7	1.887	2.876	4.4	20.8
9 28	23 14.97	−13 53.6	1.913	2.865	7.7	20.9
10 8	23 7.47	−13 44.4	1.965	2.855	11.0	21.1
10 18	23 1.91	−13 20.3	2.040	2.844	14.0	21.3

172558 2003 UM_{133} 9 13.8 228°.50 4°.7/ 9.7 18

8 9	23 52.67	−10 49.8	1.502	2.382	15.3	20.1
8 19	23 48.37	−12 6.0	1.436	2.378	11.5	19.9
8 29	23 41.56	−13 30.2	1.393	2.374	7.5	19.6
9 8	23 32.99	−14 53.1	1.374	2.370	4.7	19.5
9 18	23 23.71	−16 4.9	1.381	2.366	6.3	19.6
9 28	23 14.97	−16 57.3	1.414	2.362	10.2	19.8
10 8	23 7.92	−17 25.4	1.470	2.357	14.1	20.0
10 18	23 3.34	−17 28.5	1.545	2.353	17.6	20.2

447122 2004 TM_{370} 9 13.8 336°.91 10°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.26	−27 8.9	1.580	2.469	14.1	19.9
8 19	23 43.70	−29 6.7	1.523	2.451	12.0	19.7
8 29	23 38.70	−30 57.2	1.488	2.433	10.8	19.6
9 8	23 31.95	−32 28.4	1.477	2.416	11.1	19.6
9 18	23 24.45	−33 30.4	1.488	2.400	12.8	19.6
9 28	23 17.43	−33 56.9	1.520	2.386	15.2	19.7
10 8	23 12.03	−33 47.1	1.571	2.372	17.8	19.9
10 18	23 9.03	−33 4.0	1.638	2.360	20.1	20.0

437433 2013 XF_{25} 9 13.8 293°.55 5°.4/ 9.3 18

8 9	23 52.06	−13 2.6	1.495	2.379	15.1	20.9
8 19	23 48.06	−14 8.7	1.421	2.364	11.5	20.6
8 29	23 41.48	−15 20.7	1.368	2.349	7.8	20.4
9 8	23 33.01	−16 29.7	1.340	2.334	5.4	20.2
9 18	23 23.69	−17 26.3	1.337	2.319	7.0	20.3
9 28	23 14.81	−18 2.4	1.359	2.304	10.8	20.5
10 8	23 7.60	−18 13.6	1.403	2.290	14.8	20.7
10 18	23 2.91	−17 59.6	1.467	2.275	18.3	20.9

222862 2002 EA_{136} 9 13.8 263°.70 0°.1/13.7 16

8 9	23 41.64	− 2 1.0	4.489	5.321	6.8	20.8
8 19	23 38.52	− 2 28.3	4.402	5.318	5.1	20.7
8 29	23 34.65	− 3 0.5	4.341	5.314	3.2	20.5
9 8	23 30.27	− 3 36.0	4.307	5.310	1.2	20.4
9 18	23 25.69	− 4 12.6	4.304	5.306	0.9	20.3
9 28	23 21.24	− 4 48.0	4.331	5.302	3.0	20.5
10 8	23 17.25	− 5 19.9	4.388	5.299	4.9	20.6
10 18	23 14.00	− 5 46.6	4.471	5.295	6.6	20.8

159277 2006 AL_{5} 9 13.8 245°.22 4°.4/ 8.8 18

8 9	23 50.85	−16 6.5	2.393	3.260	10.8	20.2
8 19	23 46.12	−16 55.4	2.322	3.253	8.2	20.1
8 29	23 39.74	−17 44.5	2.274	3.247	5.7	19.9
9 8	23 32.23	−18 28.5	2.254	3.240	4.4	19.8
9 18	23 24.28	−19 2.3	2.262	3.234	5.4	19.9
9 28	23 16.69	−19 21.6	2.297	3.227	7.9	20.0
10 8	23 10.17	−19 24.6	2.358	3.220	10.5	20.2
10 18	23 5.29	−19 10.9	2.441	3.213	12.9	20.3

7987 Walshkevin 9 13.8 333°.06 0°.2/13.7 18

8 9	23 46.15	− 0 43.0	1.479	2.348	16.1	17.4
8 19	23 43.54	− 1 15.9	1.397	2.332	12.4	17.1
8 29	23 38.60	− 2 6.0	1.337	2.317	7.9	16.8
9 8	23 31.94	− 3 8.7	1.299	2.303	3.0	16.5
9 18	23 24.48	− 4 17.0	1.287	2.289	2.2	16.4
9 28	23 17.37	− 5 22.1	1.299	2.277	7.4	16.7
10 8	23 11.73	− 6 15.7	1.336	2.265	12.1	16.9
10 18	23 8.39	− 6 52.4	1.394	2.254	16.3	17.2

104718 2000 GQ_{174} 9 13.8 359°.95 0°.6/13.3 18 R

8 9	23 50.26	− 2 52.5	1.668	2.529	15.0	19.0
8 19	23 46.26	− 3 17.1	1.597	2.528	11.3	18.7
8 29	23 40.10	− 3 53.8	1.548	2.528	7.1	18.5
9 8	23 32.44	− 4 37.9	1.524	2.527	2.6	18.2
9 18	23 24.19	− 5 23.7	1.526	2.528	2.3	18.2
9 28	23 16.40	− 6 4.4	1.554	2.528	6.8	18.5
10 8	23 10.07	− 6 34.6	1.608	2.529	11.0	18.7
10 18	23 5.87	− 6 50.8	1.684	2.530	14.6	19.0

13428 1999 VC_{35} 9 13.8 9°.09 0°.2/13.9 18

8 9	23 45.86	− 1 26.2	1.323	2.202	17.1	16.8
8 19	23 43.30	− 1 39.2	1.267	2.206	13.0	16.6
8 29	23 38.36	− 2 7.4	1.230	2.212	8.3	16.3
9 8	23 31.81	− 2 46.1	1.216	2.220	3.1	16.1
9 18	23 24.67	− 3 28.6	1.226	2.229	2.1	16.0
9 28	23 18.16	− 4 7.5	1.260	2.240	7.2	16.4
10 8	23 13.32	− 4 36.1	1.318	2.252	11.8	16.7
10 18	23 10.82	− 4 50.4	1.397	2.266	15.7	17.0

121935 2000 EN_{4} 9 13.8 18°.35 1°.3/15.1 18

8 9	23 49.21	+ 1 32.3	1.941	2.782	14.0	19.3
8 19	23 45.15	+ 1 28.6	1.870	2.786	10.8	19.1
8 29	23 39.25	+ 1 12.0	1.821	2.791	7.1	18.9
9 8	23 32.10	+ 0 45.2	1.797	2.797	3.3	18.6
9 18	23 24.47	+ 0 11.9	1.800	2.803	1.8	18.5
9 28	23 17.25	− 0 22.6	1.831	2.809	5.5	18.8
10 8	23 11.28	− 0 53.4	1.887	2.816	9.2	19.0
10 18	23 7.13	− 1 16.4	1.968	2.823	12.4	19.3

65842 1997 AF_{14} 9 13.8 292°.40 7°.0/ 6.9 18

8 9	23 51.07	−17 37.0	1.656	2.540	13.9	18.7
8 19	23 47.18	−19 3.6	1.581	2.520	10.8	18.5
8 29	23 40.88	−20 32.6	1.529	2.501	8.1	18.3
9 8	23 32.81	−21 54.1	1.501	2.481	7.0	18.2
9 18	23 23.92	−22 58.5	1.499	2.462	8.6	18.2
9 28	23 15.40	−23 38.1	1.522	2.442	11.8	18.4
10 8	23 8.39	−23 49.5	1.566	2.423	15.2	18.5
10 18	23 3.72	−23 33.2	1.630	2.403	18.3	18.7

23703 1997 RJ_1 9 13.8 347°.70 2°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.65	− 7 5.2	1.953	2.823	12.7	18.2
8 19	23 43.28	− 7 59.1	1.880	2.818	9.5	17.9
8 29	23 38.11	− 9 1.6	1.832	2.814	5.9	17.7
9 8	23 31.69	−10 6.8	1.809	2.810	2.7	17.5
9 18	23 24.77	−11 8.3	1.813	2.807	3.7	17.6
9 28	23 18.21	−11 59.6	1.844	2.804	7.2	17.8
10 8	23 12.83	−12 36.2	1.900	2.802	10.7	18.0
10 18	23 9.22	−12 55.6	1.979	2.800	13.8	18.2

358124 2006 PE_{41} 9 13.8 350°.15 4°.1/ 9.6 18

8 9	23 44.66	− 7 43.5	1.471	2.360	15.0	19.9
8 19	23 42.33	− 9 23.7	1.406	2.354	11.2	19.7
8 29	23 37.77	−11 16.8	1.363	2.349	7.1	19.4
9 8	23 31.62	−13 12.9	1.346	2.345	4.2	19.3
9 18	23 24.81	−15 0.4	1.353	2.341	5.9	19.4
9 28	23 18.47	−16 29.0	1.386	2.339	9.9	19.6
10 8	23 13.61	−17 31.6	1.442	2.337	13.9	19.8
10 18	23 10.97	−18 5.9	1.518	2.336	17.4	20.1

327183 2005 LF_{32} 9 13.8 72°.21 5°.8/ 9.0 17

8 9	23 54.35	−13 18.6	1.356	2.241	16.3	20.6
8 19	23 49.53	−14 44.3	1.318	2.261	12.2	20.4
8 29	23 42.16	−16 12.7	1.301	2.281	8.2	20.2
9 8	23 33.18	−17 33.1	1.309	2.301	5.9	20.2
9 18	23 23.79	−18 35.7	1.342	2.321	7.4	20.3
9 28	23 15.31	−19 13.8	1.400	2.341	10.9	20.6
10 8	23 8.81	−19 25.2	1.480	2.360	14.5	20.8
10 18	23 4.89	−19 11.5	1.579	2.380	17.6	21.1

284419 2006 WD_{150} 9 13.8 234°.00 2°.4/17.7 17

8 9	23 45.46	+ 8 43.2	3.358	4.144	9.9	21.1
8 19	23 41.68	+ 8 35.6	3.263	4.139	7.9	20.9
8 29	23 36.78	+ 8 16.8	3.192	4.134	5.7	20.8
9 8	23 31.14	+ 7 47.8	3.146	4.129	3.6	20.6
9 18	23 25.17	+ 7 10.5	3.130	4.123	2.4	20.5
9 28	23 19.37	+ 6 28.0	3.143	4.118	3.7	20.6
10 8	23 14.23	+ 5 43.7	3.185	4.112	5.9	20.8
10 18	23 10.14	+ 5 1.1	3.254	4.107	8.1	20.9

40202 1998 SN_{26} 9 13.8 57°.12 1°.4/15.3 18

8 9	23 49.93	+ 2 17.5	2.198	3.027	13.0	18.8
8 19	23 45.51	+ 2 10.4	2.122	3.031	10.1	18.6
8 29	23 39.40	+ 1 51.0	2.069	3.035	6.7	18.4
9 8	23 32.15	+ 1 21.8	2.041	3.040	3.1	18.2
9 18	23 24.46	+ 0 46.2	2.042	3.044	1.7	18.1
9 28	23 17.12	+ 0 9.0	2.071	3.048	5.0	18.3
10 8	23 10.89	− 0 25.3	2.127	3.053	8.5	18.5
10 18	23 6.33	− 0 52.6	2.208	3.057	11.5	18.8

446138 2013 EW_{70} 9 13.8 202°.61 0°.1/13.8 18

8 9	23 50.15	− 1 25.0	2.069	2.915	13.1	21.5
8 19	23 45.80	− 1 49.4	1.993	2.915	9.9	21.3
8 29	23 39.65	− 2 25.0	1.939	2.914	6.3	21.0
9 8	23 32.28	− 3 7.9	1.912	2.914	2.4	20.8
9 18	23 24.40	− 3 53.6	1.912	2.914	1.7	20.7
9 28	23 16.90	− 4 36.7	1.940	2.914	5.7	21.0
10 8	23 10.56	− 5 12.2	1.995	2.914	9.3	21.2
10 18	23 5.99	− 5 36.6	2.074	2.913	12.5	21.5

337338 2001 FB_{25} 9 13.8 218°.29 1°.3/12.7 18

8 9	23 55.64	− 6 18.0	2.259	3.103	12.2	21.1
8 19	23 49.85	− 6 33.5	2.172	3.095	9.2	20.9
8 29	23 42.20	− 6 55.3	2.110	3.086	5.8	20.6
9 8	23 33.24	− 7 19.8	2.075	3.077	2.2	20.4
9 18	23 23.71	− 7 42.8	2.069	3.068	2.4	20.4
9 28	23 14.51	− 8 0.1	2.092	3.057	6.1	20.6
10 8	23 6.47	− 8 8.5	2.143	3.047	9.6	20.8
10 18	23 0.23	− 8 6.0	2.218	3.035	12.6	21.0

188161 2002 GN_{108} 9 13.8 59°.86 3°.4/ 9.7 18

8 9	23 47.50	− 9 51.0	2.064	2.935	12.1	19.9
8 19	23 43.74	−11 9.5	2.008	2.946	9.0	19.8
8 29	23 38.30	−12 33.7	1.976	2.957	5.7	19.6
9 8	23 31.74	−13 56.5	1.972	2.969	3.5	19.5
9 18	23 24.81	−15 11.2	1.995	2.980	4.7	19.6
9 28	23 18.31	−16 11.5	2.046	2.991	7.7	19.8
10 8	23 12.98	−16 53.7	2.122	3.003	10.7	20.0
10 18	23 9.35	−17 16.5	2.220	3.015	13.3	20.2

56523 2000 HX_{25} 9 13.8 24°.46 1°.6/12.7 18

8 9	23 49.84	− 4 17.8	1.113	2.002	18.8	18.1
8 19	23 46.62	− 4 48.7	1.067	2.013	14.1	17.9
8 29	23 40.58	− 5 34.2	1.039	2.024	8.8	17.6
9 8	23 32.67	− 6 26.6	1.033	2.037	3.2	17.3
9 18	23 24.17	− 7 17.0	1.050	2.051	3.5	17.4
9 28	23 16.55	− 7 56.6	1.091	2.067	8.8	17.8
10 8	23 10.99	− 8 19.2	1.154	2.083	13.7	18.1
10 18	23 8.22	− 8 22.2	1.237	2.100	17.8	18.4

49064 1998 RV_{49} 9 13.8 56°.47 1°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.48	− 3 34.9	1.374	2.247	16.9	18.8
8 19	23 47.48	− 4 26.2	1.318	2.256	12.7	18.6
8 29	23 41.00	− 5 31.9	1.282	2.265	7.9	18.4
9 8	23 32.82	− 6 44.7	1.270	2.274	2.9	18.1
9 18	23 24.07	− 7 55.8	1.284	2.284	3.3	18.2
9 28	23 16.00	− 8 56.1	1.323	2.293	8.2	18.5
10 8	23 9.71	− 9 39.1	1.386	2.303	12.7	18.8
10 18	23 5.91	−10 1.7	1.469	2.313	16.5	19.0

133445 2003 SK_{220} 9 13.8 60°.72 0°.8/14.6 18

8 9	23 49.75	+ 1 48.8	1.752	2.597	15.1	19.7
8 19	23 45.78	+ 1 16.8	1.682	2.601	11.6	19.5
8 29	23 39.76	+ 0 28.6	1.633	2.605	7.6	19.3
9 8	23 32.35	− 0 31.7	1.609	2.610	3.2	19.0
9 18	23 24.38	− 1 38.0	1.611	2.614	1.7	18.9
9 28	23 16.88	− 2 43.3	1.641	2.618	6.1	19.2
10 8	23 10.75	− 3 40.5	1.697	2.623	10.2	19.5
10 18	23 6.64	− 4 24.7	1.776	2.627	13.7	19.7

429153 2009 UK_{114} 9 13.9 326°.66 0°.3/13.2 16

8 9	23 42.91	− 3 43.7	4.149	4.986	7.2	21.7
8 19	23 39.55	− 4 5.5	4.065	4.984	5.4	21.6
8 29	23 35.35	− 4 31.9	4.007	4.982	3.4	21.4
9 8	23 30.60	− 5 0.9	3.977	4.980	1.2	21.3
9 18	23 25.64	− 5 30.3	3.977	4.978	1.1	21.2
9 28	23 20.82	− 5 57.8	4.007	4.976	3.3	21.4
10 8	23 16.52	− 6 21.2	4.066	4.974	5.3	21.6
10 18	23 13.03	− 6 38.8	4.151	4.972	7.1	21.7

158723 2003 KK_{28} 9 13.9 42°.32 6°.9/ 7.8 18

8 9	23 52.45	−17 17.9	1.521	2.407	14.8	19.8
8 19	23 48.10	−18 37.7	1.471	2.411	11.4	19.7
8 29	23 41.33	−19 57.1	1.443	2.416	8.3	19.5
9 8	23 32.94	−21 6.2	1.439	2.421	6.9	19.4
9 18	23 24.00	−21 56.2	1.460	2.426	8.4	19.5
9 28	23 15.76	−22 21.2	1.505	2.432	11.4	19.7
10 8	23 9.26	−22 19.3	1.573	2.438	14.7	19.9
10 18	23 5.18	−21 52.3	1.660	2.443	17.6	20.2

104621 2000 GX_{110} 9 13.9 222°.71 2°.3/16.5 18

8 9	23 49.57	+ 6 40.9	2.275	3.084	13.2	20.3
8 19	23 45.32	+ 6 17.6	2.183	3.077	10.5	20.1
8 29	23 39.36	+ 5 38.1	2.113	3.069	7.3	19.9
9 8	23 32.19	+ 4 44.4	2.069	3.061	4.0	19.7
9 18	23 24.48	+ 3 40.3	2.052	3.052	2.4	19.5
9 28	23 17.03	+ 2 31.3	2.065	3.043	5.0	19.7
10 8	23 10.60	+ 1 23.6	2.106	3.034	8.4	19.9
10 18	23 5.80	+ 0 22.7	2.172	3.024	11.6	20.1

176912 2002 VB_{83} 9 13.9 323°.17 1°.4/15.1 18

8 9	23 47.23	+ 2 56.9	1.639	2.488	15.8	20.1
8 19	23 44.18	+ 2 33.1	1.553	2.474	12.3	19.9
8 29	23 38.95	+ 1 50.6	1.489	2.461	8.2	19.6
9 8	23 32.11	+ 0 52.7	1.448	2.448	3.8	19.3
9 18	23 24.53	− 0 15.0	1.432	2.435	2.0	19.1
9 28	23 17.26	− 1 24.8	1.443	2.423	6.4	19.4
10 8	23 11.34	− 2 28.5	1.479	2.412	10.9	19.6
10 18	23 7.54	− 3 19.6	1.537	2.401	14.9	19.9

28082 1998 QF_{88} 9 13.9 161°.25 3°.9/17.8 18

8 9	23 54.08	+ 9 22.5	2.210	2.999	14.2	18.7
8 19	23 48.71	+ 9 40.7	2.127	3.003	11.5	18.5
8 29	23 41.49	+ 9 42.8	2.067	3.007	8.5	18.4
9 8	23 32.99	+ 9 29.5	2.032	3.011	5.5	18.2
9 18	23 23.95	+ 9 2.6	2.024	3.014	3.9	18.1
9 28	23 15.26	+ 8 26.1	2.045	3.017	5.6	18.2
10 8	23 7.75	+ 7 45.3	2.093	3.019	8.5	18.4
10 18	23 2.03	+ 7 5.5	2.167	3.021	11.5	18.6

72948 2002 CC_{39} 9 13.9 104°.15 1°.5/15.4 18

8 9	23 52.96	+ 3 44.2	2.000	2.823	14.3	19.6
8 19	23 47.81	+ 3 19.6	1.939	2.844	11.0	19.4
8 29	23 40.85	+ 2 39.9	1.900	2.864	7.3	19.2
9 8	23 32.71	+ 1 48.7	1.887	2.884	3.5	19.0
9 18	23 24.20	+ 0 50.8	1.902	2.904	1.8	18.9
9 28	23 16.22	− 0 7.8	1.946	2.923	5.3	19.2
10 8	23 9.56	− 1 1.2	2.017	2.941	8.9	19.5
10 18	23 4.77	− 1 45.0	2.112	2.959	12.1	19.7

233406 2006 FX_{52} 9 13.9 161°.96 1°.8/15.6 18

8 9	23 50.05	+ 4 30.7	1.862	2.693	14.9	20.2
8 19	23 45.95	+ 4 3.8	1.785	2.694	11.7	20.0
8 29	23 39.86	+ 3 19.3	1.730	2.695	7.9	19.8
9 8	23 32.41	+ 2 20.4	1.699	2.696	3.8	19.6
9 18	23 24.38	+ 1 12.3	1.695	2.697	2.0	19.4
9 28	23 16.75	+ 0 1.9	1.719	2.698	5.7	19.7
10 8	23 10.42	− 1 3.6	1.769	2.698	9.7	19.9
10 18	23 6.03	− 1 58.5	1.844	2.699	13.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
104869 2000 HQ_{89}			9 13.9 163°.97		0°.1/13.7 17	
	h m	° ′			°	m
8 9	23 53.76	− 1 13.3	1.894	2.737	14.2	20.8
8 19	23 48.66	− 1 43.8	1.821	2.742	10.8	20.6
8 29	23 41.54	− 2 26.8	1.771	2.746	6.9	20.3
9 8	23 33.02	− 3 17.9	1.746	2.749	2.6	20.1
9 18	23 23.96	− 4 11.8	1.750	2.752	1.9	20.0
9 28	23 15.36	− 5 2.0	1.781	2.754	6.2	20.3
10 8	23 8.12	− 5 43.2	1.840	2.756	10.1	20.6
10 18	23 2.89	− 6 11.6	1.922	2.758	13.5	20.8
319681 2006 TU_{86}			9 13.9 18°.71		0°.4/13.6 16	
8 9	23 49.66	− 2 56.6	0.930	1.828	20.8	19.4
8 19	23 46.91	− 3 0.2	0.887	1.836	15.8	19.1
8 29	23 40.98	− 3 21.0	0.861	1.846	10.0	18.9
9 8	23 32.89	− 3 52.8	0.854	1.858	3.7	18.5
9 18	23 24.11	− 4 27.2	0.869	1.872	2.8	18.6
9 28	23 16.33	− 4 55.0	0.906	1.887	8.9	19.0
10 8	23 10.93	− 5 9.3	0.963	1.903	14.4	19.3
10 18	23 8.63	− 5 6.6	1.039	1.921	18.9	19.7
261697 2005 YS_{221}			9 13.9 249°.32		0°.2/14.1 18	
8 9	23 49.42	− 0 49.1	2.464	3.300	11.5	21.9
8 19	23 45.08	− 1 12.9	2.372	3.288	8.8	21.7
8 29	23 39.16	− 1 46.9	2.304	3.277	5.7	21.4
9 8	23 32.12	− 2 28.1	2.263	3.265	2.2	21.2
9 18	23 24.59	− 3 12.6	2.250	3.252	1.4	21.1
9 28	23 17.28	− 3 55.8	2.266	3.240	5.0	21.4
10 8	23 10.91	− 4 33.4	2.310	3.227	8.3	21.5
10 18	23 6.04	− 5 1.9	2.379	3.214	11.3	21.7
320433 2007 VF_{99}			9 13.9 272°.00		0°.2/13.8 18	
8 9	23 51.68	− 0 16.4	1.428	2.289	17.0	21.1
8 19	23 47.90	− 0 54.7	1.346	2.276	13.1	20.8
8 29	23 41.51	− 1 52.0	1.284	2.263	8.4	20.5
9 8	23 33.14	− 3 3.2	1.246	2.249	3.2	20.2
9 18	23 23.83	− 4 20.7	1.233	2.236	2.4	20.1
9 28	23 14.90	− 5 34.6	1.246	2.222	7.8	20.4
10 8	23 7.61	− 6 35.9	1.283	2.208	12.9	20.6
10 18	23 2.87	− 7 18.7	1.341	2.194	17.2	20.9
69870 Fizeau			9 13.9 274°.16		2°.3/17.1 18	
8 9	23 46.81	+ 9 0.7	2.614	3.409	12.1	19.2
8 19	23 43.14	+ 8 15.6	2.500	3.384	9.7	19.0
8 29	23 37.97	+ 7 12.7	2.409	3.359	6.9	18.8
9 8	23 31.70	+ 5 53.9	2.345	3.334	4.0	18.5
9 18	23 24.88	+ 4 22.9	2.309	3.308	2.3	18.4
9 28	23 18.19	+ 2 45.3	2.303	3.281	4.6	18.5
10 8	23 12.30	+ 1 8.0	2.327	3.255	7.7	18.6
10 18	23 7.79	− 0 22.9	2.377	3.228	10.8	18.8
392466 2011 CB_{66}			9 13.9 79°.12		12°.4/11.7 14	C
8 9	0 37.90	−32 8.8	1.110	1.938	23.0	20.0
8 19	0 22.33	−32 7.8	1.077	1.969	18.9	19.8
8 29	0 2.43	−31 38.9	1.064	2.000	15.0	19.7
9 8	23 40.46	−30 29.8	1.076	2.030	12.6	19.6
9 18	23 19.22	−28 38.2	1.114	2.059	12.9	19.8
9 28	23 1.21	−26 12.5	1.180	2.088	15.5	20.0
10 8	22 47.81	−23 27.1	1.271	2.117	18.7	20.3
10 18	22 39.30	−20 35.0	1.382	2.144	21.5	20.6
224632 2005 YM_{156}			9 13.9 254°.73		1°.7/15.9 18	
8 9	23 48.78	+ 4 19.5	2.489	3.305	12.0	20.8
8 19	23 44.61	+ 4 4.1	2.392	3.293	9.4	20.6
8 29	23 38.88	+ 3 35.7	2.319	3.280	6.5	20.4
9 8	23 32.04	+ 2 56.2	2.272	3.267	3.3	20.2
9 18	23 24.68	+ 2 9.0	2.253	3.254	1.9	20.1
9 28	23 17.52	+ 1 18.4	2.263	3.240	4.7	20.2
10 8	23 11.28	+ 0 29.3	2.301	3.227	7.9	20.4
10 18	23 6.50	− 0 13.7	2.364	3.213	10.9	20.6
399926 2005 YJ_{110}			9 13.9 28°.44		8°.1/22.7 18	
8 9	23 50.25	+20 26.7	2.026	2.763	16.9	20.0
8 19	23 46.12	+21 15.0	1.949	2.770	14.7	19.9
8 29	23 40.01	+21 40.2	1.891	2.776	12.2	19.7
9 8	23 32.49	+21 40.2	1.854	2.783	9.8	19.6
9 18	23 24.37	+21 15.2	1.840	2.790	8.3	19.5
9 28	23 16.60	+20 28.4	1.852	2.798	8.3	19.6
10 8	23 10.10	+19 26.3	1.889	2.806	9.9	19.7
10 18	23 5.52	+18 16.7	1.950	2.815	12.1	19.8
205033 1998 QL_{56}			9 13.9 346°.53		0°.3/14.1 18	
8 9	23 50.05	− 1 17.7	1.483	2.347	16.3	19.9
8 19	23 46.45	− 1 27.5	1.410	2.341	12.5	19.6
8 29	23 40.44	− 1 51.6	1.357	2.335	8.1	19.4
9 8	23 32.70	− 2 26.1	1.328	2.330	3.1	19.1
9 18	23 24.23	− 3 5.3	1.323	2.326	2.0	19.0
9 28	23 16.23	− 3 42.3	1.345	2.323	7.1	19.3
10 8	23 9.82	− 4 10.8	1.391	2.320	11.7	19.6
10 18	23 5.77	− 4 26.3	1.458	2.318	15.7	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
358451 2007 EM_{60}			9 13.9 48°.82		1°.0/12.8 18	
	h m	° ′			°	m
8 9	23 48.71	− 3 43.8	2.037	2.893	12.9	20.8
8 19	23 44.68	− 4 22.2	1.973	2.902	9.6	20.6
8 29	23 38.93	− 5 10.3	1.931	2.911	6.0	20.4
9 8	23 32.04	− 6 3.2	1.916	2.920	2.2	20.2
9 18	23 24.74	− 6 55.7	1.929	2.929	2.3	20.2
9 28	23 17.87	− 7 42.0	1.970	2.939	6.0	20.5
10 8	23 12.19	− 8 17.8	2.036	2.949	9.5	20.7
10 18	23 8.25	− 8 40.1	2.127	2.959	12.5	20.9
256432 2007 BD_{74}			9 13.9 36°.24		0°.5/14.4 18	
8 9	23 50.32	− 0 16.7	2.035	2.878	13.4	20.7
8 19	23 45.96	− 0 31.9	1.961	2.880	10.2	20.5
8 29	23 39.80	− 0 58.7	1.910	2.883	6.6	20.3
9 8	23 32.39	− 1 33.8	1.884	2.885	2.7	20.1
9 18	23 24.50	− 2 13.1	1.885	2.888	1.6	20.0
9 28	23 17.00	− 2 51.3	1.915	2.891	5.5	20.3
10 8	23 10.70	− 3 23.5	1.971	2.894	9.2	20.5
10 18	23 6.18	− 3 46.2	2.052	2.897	12.4	20.7
361912 2008 GP_{92}			9 13.9 218°.21		4°.5/ 8.7 18	
8 9	23 52.47	−16 47.7	2.418	3.281	10.8	21.1
8 19	23 47.37	−17 35.6	2.346	3.276	8.3	20.9
8 29	23 40.59	−18 23.4	2.299	3.270	5.8	20.7
9 8	23 32.67	−19 5.3	2.280	3.264	4.5	20.7
9 18	23 24.31	−19 36.5	2.288	3.257	5.6	20.7
9 28	23 16.31	−19 52.9	2.324	3.251	8.0	20.9
10 8	23 9.41	−19 52.7	2.386	3.244	10.6	21.0
10 18	23 4.17	−19 35.8	2.471	3.237	12.9	21.2
314487 2005 WT_{145}			9 13.9 65°.15		0°.9/12.9 18	
8 9	23 50.02	− 4 14.1	2.110	2.963	12.6	21.1
8 19	23 45.63	− 4 43.8	2.042	2.969	9.4	20.9
8 29	23 39.53	− 5 22.1	1.997	2.976	5.9	20.7
9 8	23 32.27	− 6 4.9	1.979	2.982	2.1	20.5
9 18	23 24.60	− 6 47.3	1.988	2.988	2.2	20.5
9 28	23 17.34	− 7 24.2	2.026	2.995	5.9	20.8
10 8	23 11.24	− 7 51.5	2.090	3.001	9.4	21.0
10 18	23 6.87	− 8 6.6	2.178	3.008	12.3	21.2
171409 2006 QV_{162}			9 13.9 134°.19		3°.3/16.5 18	
8 9	23 55.65	+ 5 50.8	1.583	2.409	17.3	20.4
8 19	23 50.51	+ 6 0.0	1.512	2.415	13.8	20.2
8 29	23 42.92	+ 5 50.2	1.461	2.421	9.6	20.0
9 8	23 33.62	+ 5 23.0	1.434	2.426	5.3	19.7
9 18	23 23.64	+ 4 42.1	1.432	2.431	3.3	19.6
9 28	23 14.20	+ 3 54.1	1.458	2.436	6.6	19.9
10 8	23 6.41	+ 3 6.4	1.509	2.441	10.8	20.1
10 18	23 1.05	+ 2 25.4	1.583	2.445	14.6	20.4
317165 2001 WJ_{43}			9 13.9 31°.74		5°.7/ 9.8 17	
8 9	23 54.83	−12 39.9	1.223	2.113	17.4	19.9
8 19	23 50.44	−13 44.8	1.168	2.114	13.2	19.6
8 29	23 43.10	−14 55.2	1.134	2.116	8.7	19.4
9 8	23 33.72	−16 0.5	1.123	2.118	5.8	19.2
9 18	23 23.60	−16 50.3	1.136	2.121	7.4	19.3
9 28	23 14.29	−17 16.6	1.172	2.123	11.5	19.6
10 8	23 7.10	−17 16.2	1.230	2.126	15.7	19.8
10 18	23 2.85	−16 50.2	1.307	2.129	19.4	20.1
442501 2011 WX_{8}			9 13.9 43°.74		3°.2/16.9 18	
8 9	23 49.88	+ 7 18.6	1.628	2.456	16.8	20.5
8 19	23 45.91	+ 7 12.3	1.571	2.474	13.3	20.3
8 29	23 39.85	+ 6 45.7	1.534	2.492	9.3	20.1
9 8	23 32.41	+ 6 1.2	1.520	2.511	5.3	19.9
9 18	23 24.52	+ 5 3.9	1.532	2.530	3.3	19.9
9 28	23 17.22	+ 4 0.8	1.570	2.550	6.0	20.1
10 8	23 11.43	+ 2 59.6	1.634	2.570	9.8	20.4
10 18	23 7.75	+ 2 6.7	1.721	2.590	13.3	20.6
406303 2007 GM_{59}			9 13.9 153°.02		1°.5/15.9 18	
8 9	23 48.54	+ 4 16.8	2.645	3.459	11.5	22.0
8 19	23 44.23	+ 3 57.3	2.564	3.463	8.9	21.8
8 29	23 38.53	+ 3 25.8	2.507	3.467	6.1	21.7
9 8	23 31.89	+ 2 44.5	2.476	3.471	3.0	21.5
9 18	23 24.87	+ 1 56.8	2.474	3.475	1.7	21.4
9 28	23 18.13	+ 1 6.7	2.502	3.479	4.3	21.6
10 8	23 12.29	+ 0 19.0	2.557	3.482	7.3	21.8
10 18	23 7.83	− 0 22.7	2.639	3.485	10.0	22.0
76214 2000 EV_{64}			9 13.9 74°.63		0°.1/13.9 18	
8 9	23 52.64	− 1 29.6	1.851	2.699	14.3	19.8
8 19	23 47.73	− 1 50.2	1.793	2.715	10.8	19.6
8 29	23 40.88	− 2 22.2	1.756	2.732	6.9	19.4
9 8	23 32.78	− 3 1.5	1.746	2.748	2.6	19.2
9 18	23 24.28	− 3 43.0	1.762	2.765	1.8	19.2
9 28	23 16.34	− 4 21.2	1.807	2.781	6.0	19.5
10 8	23 9.80	− 4 51.1	1.878	2.798	9.8	19.7
10 18	23 5.24	− 5 9.8	1.972	2.814	13.0	20.0

218517 2004 TT_{195} 9 13.9 253°.81 0°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.17	− 0 2.0	2.524	3.356	11.4	20.8
8 19	23 44.88	− 0 24.0	2.430	3.343	8.8	20.6
8 29	23 39.05	− 0 56.3	2.359	3.330	5.7	20.4
9 8	23 32.12	− 1 36.3	2.316	3.317	2.3	20.2
9 18	23 24.70	− 2 20.3	2.301	3.303	1.4	20.1
9 28	23 17.49	− 3 3.8	2.315	3.290	4.8	20.3
10 8	23 11.18	− 3 42.5	2.357	3.276	8.1	20.5
10 18	23 6.33	− 4 12.8	2.424	3.261	11.0	20.7

197276 2003 WS_{98} 9 13.9 339°.95 6°.0/19.2 17

8 9	23 53.06	+12 47.4	2.089	2.866	15.3	19.4
8 19	23 48.23	+13 44.2	2.000	2.860	12.8	19.2
8 29	23 41.39	+14 24.4	1.931	2.853	10.1	19.1
9 8	23 33.06	+14 46.6	1.886	2.848	7.5	18.9
9 18	23 24.03	+14 50.4	1.868	2.843	6.0	18.8
9 28	23 15.24	+14 38.2	1.876	2.838	7.0	18.8
10 8	23 7.62	+14 14.7	1.910	2.833	9.4	19.0
10 18	23 1.91	+13 45.6	1.969	2.829	12.2	19.2

339108 2004 RK_{212} 9 13.9 318°.67 9°.5/22.6 18

8 9	23 45.48	+20 16.1	1.463	2.240	20.7	20.3
8 19	23 43.42	+20 48.4	1.367	2.217	18.2	20.0
8 29	23 38.84	+20 48.9	1.286	2.194	15.1	19.8
9 8	23 32.25	+20 13.1	1.224	2.172	12.0	19.5
9 18	23 24.55	+19 0.0	1.183	2.151	9.8	19.4
9 28	23 17.04	+17 14.4	1.166	2.130	9.9	19.3
10 8	23 11.04	+15 7.5	1.171	2.110	12.5	19.4
10 18	23 7.55	+12 53.3	1.198	2.091	16.1	19.6

445851 2012 FC_{75} 9 13.9 240°.34 4°.1/ 9.4 18

8 9	23 52.41	−15 44.7	2.430	3.292	10.8	20.9
8 19	23 47.30	−16 21.4	2.357	3.287	8.2	20.7
8 29	23 40.54	−16 58.1	2.309	3.282	5.6	20.6
9 8	23 32.67	−17 29.8	2.288	3.276	4.1	20.4
9 18	23 24.36	−17 52.0	2.295	3.270	5.0	20.5
9 28	23 16.42	−18 1.1	2.330	3.265	7.5	20.6
10 8	23 9.57	−17 55.1	2.391	3.259	10.2	20.8
10 18	23 4.37	−17 34.0	2.475	3.253	12.6	21.0

400908 2010 TN_{18} 9 13.9 45°.50 2°.5/16.4 18

8 9	23 49.73	+ 5 41.2	1.987	2.809	14.4	21.1
8 19	23 45.59	+ 5 35.2	1.912	2.813	11.4	21.0
8 29	23 39.60	+ 5 12.9	1.858	2.817	7.9	20.8
9 8	23 32.35	+ 4 36.7	1.829	2.822	4.3	20.5
9 18	23 24.59	+ 3 50.1	1.827	2.826	2.6	20.4
9 28	23 17.21	+ 2 58.7	1.852	2.831	5.4	20.6
10 8	23 11.05	+ 2 8.6	1.904	2.836	8.9	20.9
10 18	23 6.71	+ 1 24.9	1.981	2.841	12.2	21.1

482403 2012 BD_{32} 9 13.9 250°.55 5°.4/ 7.5 18

8 9	23 50.14	−17 46.1	2.219	3.090	11.3	21.3
8 19	23 45.79	−18 55.8	2.152	3.085	8.7	21.1
8 29	23 39.68	−20 5.3	2.111	3.080	6.4	21.0
9 8	23 32.37	−21 7.9	2.095	3.074	5.4	20.9
9 18	23 24.58	−21 57.3	2.108	3.069	6.6	21.0
9 28	23 17.16	−22 28.7	2.146	3.063	9.0	21.1
10 8	23 10.89	−22 40.0	2.209	3.058	11.7	21.3
10 18	23 6.36	−22 31.1	2.294	3.052	14.0	21.4

103357 2000 AM_{92} 9 13.9 22°.37 14°.0/18.9 18 R

8 9	0 10.74	+14 53.3	1.114	1.905	25.1	17.1
8 19	0 3.44	+18 16.6	1.055	1.913	21.8	16.9
8 29	23 52.00	+21 18.7	1.015	1.922	18.3	16.7
9 8	23 37.31	+23 46.2	0.996	1.933	15.3	16.6
9 18	23 21.03	+25 28.3	0.999	1.945	14.0	16.5
9 28	23 5.49	+26 22.2	1.025	1.958	14.8	16.6
10 8	22 52.79	+26 35.8	1.072	1.972	17.2	16.8
10 18	22 44.25	+26 22.4	1.138	1.987	20.0	17.1

480948 2003 SD_{292} 9 13.9 341°.70 4°.9/17.2 17

8 9	23 45.91	+ 6 30.5	1.196	2.055	19.8	20.5
8 19	23 43.99	+ 7 8.7	1.116	2.036	16.1	20.3
8 29	23 39.29	+ 7 24.9	1.053	2.018	11.7	20.0
9 8	23 32.43	+ 7 18.3	1.011	2.002	7.2	19.7
9 18	23 24.46	+ 6 50.9	0.990	1.987	5.0	19.5
9 28	23 16.84	+ 6 9.1	0.992	1.975	8.0	19.6
10 8	23 10.98	+ 5 22.3	1.015	1.964	12.8	19.9
10 18	23 7.91	+ 4 39.6	1.059	1.955	17.4	20.1

220835 2004 UP_{4} 9 13.9 259°.33 2°.7/11.1 17

8 9	23 56.57	−12 45.0	2.690	3.537	10.4	20.8
8 19	23 50.37	−12 58.0	2.593	3.517	7.9	20.6
8 29	23 42.49	−13 12.1	2.522	3.497	5.1	20.4
9 8	23 33.43	−13 23.5	2.480	3.476	2.9	20.2
9 18	23 23.83	−13 28.7	2.467	3.455	3.6	20.2
9 28	23 14.47	−13 24.7	2.484	3.433	6.3	20.3
10 8	23 6.10	−13 9.6	2.530	3.412	9.2	20.5
10 18	22 59.30	−12 42.9	2.601	3.389	11.8	20.6

38481 1999 TX_{99} 9 13.9 9°.33 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.08	+ 3 23.2	1.022	1.913	19.9	16.8
8 19	23 37.99	+ 1 45.4	0.970	1.916	15.2	16.5
8 29	23 35.31	− 0 23.8	0.937	1.922	9.6	16.2
9 8	23 30.84	− 2 53.5	0.925	1.929	3.5	15.9
9 18	23 25.67	− 5 28.0	0.936	1.939	2.9	15.9
9 28	23 21.17	− 7 49.4	0.971	1.950	8.8	16.3
10 8	23 18.45	− 9 43.9	1.028	1.964	14.1	16.6
10 18	23 18.23	−11 4.4	1.104	1.979	18.5	16.9

166425 2002 PE_{8} 9 13.9 70°.55 1°.8/15.8 16

8 9	23 49.94	+ 5 39.8	1.720	2.551	15.9	20.6
8 19	23 45.84	+ 4 56.1	1.663	2.571	12.4	20.4
8 29	23 39.76	+ 3 52.8	1.627	2.592	8.3	20.2
9 8	23 32.39	+ 2 34.4	1.615	2.612	4.0	20.0
9 18	23 24.61	+ 1 7.7	1.631	2.633	2.1	19.9
9 28	23 17.42	− 0 19.0	1.674	2.653	5.8	20.2
10 8	23 11.66	− 1 37.8	1.744	2.674	9.7	20.5
10 18	23 7.91	− 2 42.9	1.837	2.694	13.1	20.7

144234 2004 CO_{55} 9 13.9 210°.72 0°.6/14.4 18

8 9	23 53.94	+ 0 24.6	1.797	2.638	15.0	20.7
8 19	23 49.05	+ 0 1.9	1.715	2.633	11.5	20.5
8 29	23 41.95	− 0 35.3	1.656	2.628	7.5	20.2
9 8	23 33.29	− 1 23.3	1.621	2.623	3.0	20.0
9 18	23 23.93	− 2 17.0	1.614	2.617	1.8	19.9
9 28	23 14.96	− 3 9.6	1.634	2.610	6.3	20.1
10 8	23 7.38	− 3 54.8	1.681	2.603	10.6	20.4
10 18	23 1.93	− 4 28.0	1.752	2.596	14.3	20.6

366016 2012 BK_{128} 9 13.9 188°.50 0°.1/13.8 18

8 9	23 47.65	− 0 36.9	2.432	3.272	11.6	21.4
8 19	23 43.72	− 1 19.6	2.353	3.271	8.8	21.2
8 29	23 38.30	− 2 13.2	2.297	3.271	5.6	21.0
9 8	23 31.86	− 3 14.0	2.268	3.270	2.1	20.8
9 18	23 25.00	− 4 17.4	2.267	3.270	1.5	20.8
9 28	23 18.43	− 5 17.9	2.296	3.269	5.1	21.0
10 8	23 12.81	− 6 10.9	2.353	3.268	8.3	21.2
10 18	23 8.66	− 6 52.6	2.434	3.267	11.1	21.4

95569 2002 EC_{114} 9 13.9 318°.54 0°.5/12.9 17

8 9	23 42.58	− 4 38.4	4.261	5.102	7.0	19.9
8 19	23 39.33	− 5 3.2	4.177	5.099	5.2	19.8
8 29	23 35.26	− 5 32.2	4.120	5.096	3.2	19.6
9 8	23 30.66	− 6 3.3	4.090	5.093	1.2	19.5
9 18	23 25.85	− 6 34.5	4.090	5.090	1.2	19.5
9 28	23 21.18	− 7 3.2	4.120	5.087	3.3	19.6
10 8	23 17.00	− 7 27.5	4.179	5.085	5.3	19.8
10 18	23 13.61	− 7 45.7	4.265	5.082	7.0	19.9

62785 2000 UC_{24} 9 13.9 357°.55 6°.1/ 9.6 18

8 9	23 43.26	−10 29.2	0.855	1.777	19.7	17.9
8 19	23 42.51	−11 43.3	0.806	1.770	14.8	17.6
8 29	23 38.50	−13 9.2	0.775	1.766	9.7	17.3
9 8	23 32.13	−14 33.4	0.763	1.763	6.2	17.1
9 18	23 24.83	−15 41.4	0.771	1.762	8.2	17.2
9 28	23 18.36	−16 21.0	0.799	1.764	13.2	17.5
10 8	23 14.20	−16 26.9	0.845	1.767	18.1	17.8
10 18	23 13.21	−15 59.7	0.907	1.772	22.5	18.1

129407 5177 $T\text{-}_{2}$ 9 13.9 7°.65 4°.7/18.9 18

8 9	23 47.38	+11 56.0	1.861	2.662	16.1	19.5
8 19	23 44.02	+11 58.4	1.783	2.663	13.2	19.4
8 29	23 38.73	+11 39.2	1.724	2.664	9.9	19.2
9 8	23 32.08	+10 59.0	1.689	2.666	6.7	19.0
9 18	23 24.86	+10 1.0	1.678	2.668	4.7	18.9
9 28	23 18.00	+ 8 51.0	1.695	2.670	6.1	19.0
10 8	23 12.39	+ 7 36.8	1.737	2.674	9.3	19.2
10 18	23 8.68	+ 6 25.9	1.803	2.677	12.5	19.4

154929 2004 SK_{61} 9 13.9 53°.22 1°.5/12.3 18

8 9	23 49.60	− 5 47.6	2.080	2.939	12.5	19.8
8 19	23 45.36	− 6 24.4	2.015	2.946	9.3	19.6
8 29	23 39.39	− 7 9.0	1.972	2.952	5.8	19.4
9 8	23 32.28	− 7 56.7	1.956	2.959	2.3	19.2
9 18	23 24.75	− 8 42.2	1.968	2.966	2.7	19.2
9 28	23 17.64	− 9 20.4	2.008	2.973	6.3	19.5
10 8	23 11.71	− 9 47.1	2.074	2.981	9.7	19.7
10 18	23 7.52	−10 0.3	2.163	2.988	12.6	19.9

118268 1998 HG_{61} 9 13.9 67°.29 3°.0/11.1 18

8 9	23 55.49	−10 50.5	1.978	2.839	13.0	19.4
8 19	23 49.60	−11 23.5	1.938	2.869	9.6	19.3
8 29	23 41.91	−11 59.4	1.922	2.900	6.1	19.1
9 8	23 33.16	−12 32.6	1.932	2.930	3.2	19.0
9 18	23 24.20	−12 58.3	1.970	2.960	4.0	19.1
9 28	23 15.94	−13 12.5	2.036	2.990	7.1	19.3
10 8	23 9.14	−13 13.2	2.129	3.020	10.2	19.6
10 18	23 4.28	−13 0.2	2.244	3.049	12.9	19.8

401938 2002 EY_{47} 9 13.9 222°.88 0°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.58	− 0 38.2	2.469	3.300	11.7	21.7
8 19	23 46.70	− 0 47.7	2.381	3.294	9.0	21.5
8 29	23 40.20	− 1 6.5	2.317	3.287	5.8	21.3
9 8	23 32.60	− 1 32.1	2.280	3.281	2.4	21.0
9 18	23 24.51	− 2 1.3	2.271	3.274	1.4	20.9
9 28	23 16.68	− 2 30.1	2.292	3.267	4.9	21.2
10 8	23 9.84	− 2 54.6	2.341	3.260	8.2	21.4
10 18	23 4.54	− 3 11.8	2.416	3.252	11.1	21.6

344011 2011 UH_{57} 9 13.9 212°.45 2°.6/16.5 18

8 9	23 52.31	+ 5 36.3	2.138	2.951	13.9	21.0
8 19	23 47.51	+ 5 39.8	2.052	2.948	11.0	20.8
8 29	23 40.84	+ 5 28.8	1.988	2.944	7.7	20.6
9 8	23 32.87	+ 5 4.6	1.949	2.940	4.3	20.4
9 18	23 24.31	+ 4 30.1	1.938	2.936	2.7	20.3
9 28	23 16.07	+ 3 49.8	1.955	2.932	5.3	20.4
10 8	23 8.97	+ 3 9.2	1.999	2.928	8.8	20.6
10 18	23 3.65	+ 2 33.1	2.069	2.923	12.0	20.8

70138 1999 NW_{10} 9 13.9 160°.18 3°.8/16.9 18

8 9	23 55.21	+ 7 9.7	1.568	2.390	17.6	18.6
8 19	23 50.28	+ 7 22.9	1.493	2.392	14.1	18.4
8 29	23 42.87	+ 7 16.0	1.438	2.394	10.1	18.1
9 8	23 33.69	+ 6 49.8	1.407	2.396	5.9	17.9
9 18	23 23.74	+ 6 7.9	1.401	2.398	3.9	17.8
9 28	23 14.30	+ 5 16.6	1.421	2.399	6.8	18.0
10 8	23 6.49	+ 4 23.8	1.467	2.400	10.9	18.2
10 18	23 1.12	+ 3 36.8	1.536	2.401	14.8	18.5

488086 2015 VX_{33} 9 13.9 299°.30 2°.2/16.2 18

8 9	23 48.74	+ 4 54.8	2.183	3.005	13.3	21.2
8 19	23 44.82	+ 4 48.7	2.091	2.993	10.5	21.0
8 29	23 39.16	+ 4 28.2	2.021	2.982	7.3	20.7
9 8	23 32.25	+ 3 55.0	1.977	2.971	3.9	20.5
9 18	23 24.75	+ 3 12.2	1.959	2.959	2.3	20.4
9 28	23 17.49	+ 2 24.8	1.970	2.948	5.1	20.5
10 8	23 11.28	+ 1 38.2	2.007	2.937	8.6	20.7
10 18	23 6.72	+ 0 57.3	2.069	2.926	11.9	20.9

356765 2011 UU_{262} 9 13.9 9°.19 3°.9/17.9 18

8 9	23 48.72	+ 9 33.9	1.857	2.667	15.7	21.1
8 19	23 45.03	+ 9 31.7	1.779	2.668	12.7	20.9
8 29	23 39.37	+ 9 9.3	1.720	2.669	9.3	20.7
9 8	23 32.33	+ 8 28.1	1.686	2.670	5.8	20.5
9 18	23 24.71	+ 7 31.4	1.677	2.671	3.9	20.4
9 28	23 17.46	+ 6 25.4	1.695	2.673	5.9	20.5
10 8	23 11.48	+ 5 17.6	1.739	2.675	9.3	20.8
10 18	23 7.43	+ 4 14.7	1.808	2.677	12.7	21.0

420296 2011 VO_{18} 9 13.9 9°.15 1°.2/14.6 17

8 9	23 46.99	− 0 30.8	0.788	1.694	22.7	20.0
8 19	23 45.45	− 0 18.0	0.742	1.694	17.6	19.7
8 29	23 40.41	− 0 27.8	0.712	1.697	11.5	19.4
9 8	23 32.86	− 0 55.3	0.699	1.702	4.8	19.1
9 18	23 24.38	− 1 32.6	0.706	1.709	2.7	19.0
9 28	23 16.87	− 2 8.6	0.733	1.718	9.2	19.4
10 8	23 11.92	− 2 33.7	0.779	1.729	15.2	19.8
10 18	23 10.39	− 2 41.7	0.842	1.742	20.3	20.1

147043 2002 RA_{75} 9 13.9 332°.55 0°.2/14.0 18

8 9	23 45.67	− 0 10.5	1.107	1.992	19.1	19.3
8 19	23 43.96	− 0 34.7	1.031	1.974	14.8	19.0
8 29	23 39.35	− 1 21.2	0.973	1.956	9.6	18.6
9 8	23 32.51	− 2 25.0	0.935	1.939	3.7	18.2
9 18	23 24.54	− 3 37.8	0.920	1.924	2.5	18.1
9 28	23 16.99	− 4 48.1	0.928	1.910	8.7	18.4
10 8	23 11.32	− 5 45.0	0.957	1.897	14.5	18.7
10 18	23 8.56	− 6 21.0	1.005	1.886	19.5	19.0

53822 2000 EW_{144} 9 13.9 51°.37 1°.3/14.9 18

8 9	23 53.28	+ 1 47.4	1.314	2.171	18.4	18.5
8 19	23 48.88	+ 1 34.3	1.264	2.189	14.2	18.3
8 29	23 41.91	+ 1 2.5	1.233	2.207	9.3	18.1
9 8	23 33.27	+ 0 16.5	1.225	2.226	4.0	17.8
9 18	23 24.12	− 0 36.8	1.242	2.245	2.1	17.8
9 28	23 15.78	− 1 29.2	1.285	2.265	7.0	18.1
10 8	23 9.35	− 2 13.1	1.352	2.285	11.7	18.5
10 18	23 5.49	− 2 43.4	1.440	2.305	15.6	18.8

39349 2002 AQ_{117} 9 13.9 132°.75 5°.4/ 7.9 18

8 9	23 50.77	−13 50.7	1.796	2.673	13.3	18.8
8 19	23 46.58	−15 31.3	1.740	2.679	10.0	18.6
8 29	23 40.33	−17 15.7	1.708	2.684	6.9	18.4
9 8	23 32.67	−18 54.5	1.703	2.690	5.4	18.3
9 18	23 24.51	−20 18.8	1.724	2.695	7.0	18.5
9 28	23 16.84	−21 21.5	1.772	2.699	10.0	18.6
10 8	23 10.60	−21 59.1	1.844	2.704	13.1	18.9
10 18	23 6.40	−22 11.6	1.936	2.708	15.8	19.1

487762 2015 RD_{200} 9 13.9 250°.73 3°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 53.28	−15 14.7	2.502	3.361	10.7	21.8
8 19	23 48.00	−15 49.3	2.419	3.348	8.1	21.6
8 29	23 41.04	−16 24.4	2.362	3.334	5.5	21.4
9 8	23 32.92	−16 55.3	2.331	3.321	3.9	21.3
9 18	23 24.32	−17 17.3	2.330	3.307	4.8	21.3
9 28	23 16.02	−17 26.7	2.356	3.293	7.3	21.5
10 8	23 8.76	−17 21.6	2.410	3.278	10.1	21.6
10 18	23 3.11	−17 1.6	2.486	3.264	12.6	21.8

329910 2005 JY_{175} 9 13.9 211°.43 3°.6/18.2 18

8 9	23 51.40	+12 58.2	1.979	2.762	15.8	21.8
8 19	23 47.05	+12 2.4	1.882	2.755	12.9	21.5
8 29	23 40.68	+10 40.3	1.806	2.747	9.5	21.3
9 8	23 32.85	+ 8 53.6	1.756	2.738	5.8	21.1
9 18	23 24.35	+ 6 48.0	1.733	2.729	3.6	20.9
9 28	23 16.14	+ 4 32.4	1.740	2.718	5.8	21.0
10 8	23 9.17	+ 2 17.8	1.777	2.707	9.5	21.2
10 18	23 4.12	+ 0 13.6	1.839	2.695	13.1	21.4

365754 2010 WX_{69} 9 13.9 259°.76 3°.2/17.7 18

8 9	23 48.68	+ 8 53.8	2.329	3.127	13.3	21.1
8 19	23 44.62	+ 8 50.6	2.244	3.127	10.7	20.9
8 29	23 38.94	+ 8 31.5	2.180	3.126	7.8	20.7
9 8	23 32.14	+ 7 57.7	2.142	3.126	4.8	20.5
9 18	23 24.86	+ 7 11.9	2.131	3.126	3.2	20.4
9 28	23 17.87	+ 6 18.8	2.149	3.125	5.0	20.6
10 8	23 11.88	+ 5 23.7	2.194	3.125	7.9	20.7
10 18	23 7.46	+ 4 32.0	2.264	3.124	10.8	20.9

523217 2016 VP_{21} 9 13.9 169°.51 2°.5/16.6 18

8 9	23 52.00	+ 5 45.5	2.363	3.169	12.9	21.6
8 19	23 47.06	+ 5 50.4	2.280	3.171	10.2	21.5
8 29	23 40.46	+ 5 42.0	2.219	3.173	7.2	21.3
9 8	23 32.71	+ 5 21.7	2.184	3.175	4.0	21.1
9 18	23 24.48	+ 4 52.1	2.178	3.176	2.6	21.0
9 28	23 16.56	+ 4 17.1	2.200	3.177	4.9	21.1
10 8	23 9.68	+ 3 41.5	2.251	3.178	8.0	21.3
10 18	23 4.43	+ 3 9.5	2.326	3.178	10.9	21.5

187008 2004 TM_{129} 9 13.9 50°.32 8°.8/ 6.2 18

8 9	23 57.43	−28 4.2	1.868	2.730	13.6	18.7
8 19	23 51.33	−28 59.1	1.837	2.750	11.2	18.6
8 29	23 43.11	−29 42.5	1.829	2.769	9.4	18.5
9 8	23 33.63	−30 6.8	1.845	2.789	8.9	18.6
9 18	23 23.93	−30 7.1	1.886	2.810	9.9	18.7
9 28	23 15.11	−29 41.9	1.951	2.830	11.8	18.8
10 8	23 8.05	−28 52.8	2.039	2.851	13.9	19.0
10 18	23 3.26	−27 43.8	2.147	2.872	15.8	19.2

96626 1999 FQ_{9} 9 13.9 195°.24 1°.7/12.4 18

8 9	23 55.31	− 4 45.7	1.664	2.522	15.2	19.6
8 19	23 50.22	− 5 31.7	1.590	2.520	11.4	19.3
8 29	23 42.77	− 6 29.6	1.538	2.518	7.2	19.1
9 8	23 33.64	− 7 33.3	1.512	2.515	2.8	18.8
9 18	23 23.82	− 8 35.4	1.513	2.511	3.3	18.8
9 28	23 14.48	− 9 28.4	1.541	2.507	7.7	19.1
10 8	23 6.69	−10 6.4	1.594	2.503	12.0	19.3
10 18	23 1.21	−10 26.5	1.670	2.497	15.6	19.6

391108 2005 UU_{514} 9 13.9 62°.52 1°.5/15.7 18

8 9	23 47.91	+ 6 42.6	1.912	2.735	14.9	20.3
8 19	23 44.13	+ 5 32.9	1.855	2.760	11.5	20.2
8 29	23 38.61	+ 4 3.8	1.821	2.785	7.7	20.0
9 8	23 31.99	+ 2 20.5	1.812	2.809	3.7	19.8
9 18	23 25.02	+ 0 30.3	1.831	2.834	1.8	19.7
9 28	23 18.58	− 1 18.1	1.880	2.858	5.3	20.0
10 8	23 13.40	− 2 56.7	1.956	2.883	9.0	20.3
10 18	23 9.99	− 4 19.8	2.057	2.907	12.2	20.5

90076 2002 VS_{95} 9 13.9 60°.22 2°.6/12.4 17

8 9	0 4.56	− 9 5.0	1.271	2.138	18.3	17.3
8 19	23 57.04	− 9 11.0	1.240	2.174	13.6	17.1
8 29	23 46.79	− 9 22.6	1.229	2.209	8.5	17.0
9 8	23 34.99	− 9 33.4	1.242	2.244	3.6	16.8
9 18	23 23.06	− 9 37.6	1.281	2.279	4.0	16.9
9 28	23 12.46	− 9 31.1	1.347	2.314	8.6	17.3
10 8	23 4.27	− 9 11.8	1.437	2.348	12.8	17.6
10 18	22 59.03	− 8 40.0	1.548	2.382	16.3	17.9

27176 1999 BR_{3} 9 13.9 297°.67 6°.8/18.3 18

8 9	23 54.93	+10 54.8	1.546	2.352	18.5	17.3
8 19	23 50.55	+11 54.1	1.448	2.330	15.5	17.0
8 29	23 43.41	+12 34.5	1.369	2.308	12.0	16.7
9 8	23 34.06	+12 52.9	1.312	2.285	8.6	16.5
9 18	23 23.44	+12 48.4	1.279	2.263	6.8	16.3
9 28	23 12.91	+12 23.9	1.271	2.241	8.5	16.4
10 8	23 3.88	+11 46.1	1.288	2.220	12.2	16.5
10 18	22 57.45	+11 3.5	1.326	2.198	16.2	16.7

292339 2006 SR_{192} 9 13.9 313°.33 0°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.84	− 2 38.6	1.940	2.795	13.4	20.7
8 19	23 45.00	− 3 27.5	1.865	2.793	10.1	20.5
8 29	23 39.29	− 4 28.5	1.813	2.792	6.3	20.3
9 8	23 32.30	− 5 36.6	1.788	2.791	2.3	20.0
9 18	23 24.77	− 6 45.5	1.789	2.790	2.4	20.1
9 28	23 17.63	− 7 48.2	1.819	2.789	6.4	20.3
10 8	23 11.69	− 8 39.2	1.875	2.788	10.2	20.5
10 18	23 7.58	− 9 14.8	1.954	2.787	13.4	20.8

115295 2003 SB_{200} 9 13.9 197°.60 8°.5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.86	−28 16.6	2.069	2.920	12.9	19.3
8 19	23 54.00	−29 8.1	2.013	2.918	10.7	19.1
8 29	23 44.91	−29 49.6	1.980	2.917	9.0	19.0
9 8	23 34.37	−30 13.5	1.972	2.914	8.5	19.0
9 18	23 23.39	−30 14.2	1.990	2.912	9.5	19.0
9 28	23 13.09	−29 49.3	2.034	2.909	11.5	19.2
10 8	23 4.46	−28 59.8	2.102	2.906	13.8	19.3
10 18	22 58.13	−27 49.3	2.190	2.903	15.9	19.5

477576 2010 JS_{1} 9 13.9 52°.63 8°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.91	−23 26.7	1.725	2.598	14.0	20.7
8 19	23 50.49	−24 28.4	1.679	2.605	11.2	20.5
8 29	23 42.78	−25 23.2	1.655	2.612	8.9	20.4
9 8	23 33.58	−26 2.3	1.656	2.620	8.0	20.4
9 18	23 23.95	−26 19.3	1.681	2.627	9.2	20.4
9 28	23 15.08	−26 10.8	1.732	2.635	11.7	20.6
10 8	23 7.93	−25 37.1	1.805	2.643	14.3	20.8
10 18	23 3.14	−24 41.4	1.897	2.651	16.7	21.0

111389 2001 XM_{160} 9 13.9 346°.80 0°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.44	− 2 31.1	1.799	2.659	14.1	20.3
8 19	23 44.84	− 3 8.5	1.725	2.655	10.7	20.1
8 29	23 39.27	− 3 58.3	1.673	2.652	6.7	19.8
9 8	23 32.31	− 4 55.8	1.646	2.650	2.4	19.6
9 18	23 24.78	− 5 54.9	1.646	2.647	2.3	19.6
9 28	23 17.65	− 6 48.6	1.673	2.645	6.6	19.8
10 8	23 11.80	− 7 31.3	1.725	2.644	10.5	20.1
10 18	23 7.90	− 7 59.1	1.800	2.642	14.0	20.3

111670 2002 BH_{13} 9 13.9 286°.36 2°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.28	+ 5 53.6	2.144	2.957	13.8	20.1
8 19	23 46.74	+ 6 3.5	2.057	2.953	11.0	19.9
8 29	23 40.38	+ 5 59.1	1.993	2.948	7.8	19.7
9 8	23 32.72	+ 5 41.5	1.954	2.944	4.5	19.5
9 18	23 24.49	+ 5 13.2	1.942	2.940	2.9	19.4
9 28	23 16.56	+ 4 38.5	1.959	2.936	5.3	19.5
10 8	23 9.75	+ 4 2.6	2.002	2.932	8.7	19.7
10 18	23 4.69	+ 3 30.2	2.070	2.928	11.8	19.9

174417 2002 VF_{114} 9 13.9 282°.48 3°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.91	+ 7 40.9	2.001	2.813	14.7	20.1
8 19	23 45.97	+ 7 38.4	1.901	2.795	11.9	19.8
8 29	23 40.05	+ 7 18.2	1.823	2.776	8.5	19.6
9 8	23 32.66	+ 6 41.1	1.770	2.758	5.1	19.4
9 18	23 24.52	+ 5 50.0	1.742	2.739	3.3	19.2
9 28	23 16.58	+ 4 50.4	1.743	2.721	5.7	19.3
10 8	23 9.76	+ 3 49.0	1.770	2.702	9.4	19.5
10 18	23 4.80	+ 2 52.3	1.821	2.684	12.9	19.7

418707 2008 UH_{42} 9 13.9 356°.64 7°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.85	−21 15.7	1.550	2.429	14.9	20.2
8 19	23 50.77	−22 13.9	1.495	2.428	11.8	20.0
8 29	23 43.14	−23 7.3	1.462	2.427	9.0	19.9
9 8	23 33.78	−23 46.6	1.452	2.426	7.9	19.8
9 18	23 23.83	−24 4.1	1.468	2.426	9.2	19.9
9 28	23 14.62	−23 55.4	1.507	2.426	12.0	20.0
10 8	23 7.25	−23 20.4	1.569	2.426	15.1	20.2
10 18	23 2.44	−22 22.1	1.650	2.427	17.9	20.4

514860 2008 FT_{121} 9 13.9 120°.63 4°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.48	−14 27.2	2.236	3.103	11.5	21.6
8 19	23 46.69	−15 19.5	2.176	3.109	8.6	21.4
8 29	23 40.21	−16 12.9	2.140	3.115	5.8	21.3
9 8	23 32.61	−17 1.7	2.131	3.121	4.2	21.2
9 18	23 24.63	−17 40.5	2.149	3.126	5.2	21.3
9 28	23 17.08	−18 5.0	2.196	3.132	7.8	21.4
10 8	23 10.72	−18 13.0	2.267	3.137	10.6	21.6
10 18	23 6.06	−18 4.2	2.362	3.142	13.0	21.8

189423 1997 PP_{2} 9 13.9 356°.44 8°.5/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.33	+20 43.1	2.199	2.920	16.2	19.1
8 19	23 49.24	+21 57.9	2.112	2.918	14.2	19.0
8 29	23 42.10	+22 53.1	2.045	2.917	11.9	18.8
9 8	23 33.43	+23 25.4	2.000	2.917	9.9	18.7
9 18	23 24.01	+23 33.3	1.979	2.916	8.6	18.6
9 28	23 14.81	+23 18.3	1.984	2.916	8.8	18.6
10 8	23 6.79	+22 45.1	2.014	2.916	10.2	18.7
10 18	23 0.70	+22 0.4	2.069	2.917	12.2	18.8

208144 2000 ET_{153} 9 13.9 152°.16 1°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 55.13	− 5 48.2	2.288	3.131	12.1	20.4
8 19	23 49.37	− 6 3.6	2.216	3.138	9.1	20.2
8 29	23 41.89	− 6 25.4	2.168	3.144	5.7	20.0
9 8	23 33.25	− 6 49.8	2.148	3.150	2.1	19.8
9 18	23 24.19	− 7 12.9	2.156	3.156	2.2	19.8
9 28	23 15.56	− 7 30.8	2.194	3.161	5.7	20.1
10 8	23 8.11	− 7 40.4	2.260	3.165	9.0	20.3
10 18	23 2.40	− 7 39.8	2.350	3.170	11.9	20.5

41244 1999 XY_{30} 9 13.9 46°.13 6°.8/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.65	+17 6.1	1.437	2.227	20.5	17.3
8 19	23 46.04	+17 4.6	1.387	2.253	17.1	17.2
8 29	23 40.08	+16 31.6	1.354	2.279	13.2	17.0
9 8	23 32.61	+15 28.0	1.341	2.306	9.5	16.9
9 18	23 24.68	+13 59.0	1.352	2.333	7.0	16.8
9 28	23 17.48	+12 13.8	1.388	2.360	7.6	16.9
10 8	23 12.01	+10 24.3	1.449	2.388	10.5	17.2
10 18	23 8.89	+ 8 41.2	1.533	2.416	13.8	17.4

432898 2011 OJ_{16} 9 13.9 80°.26 3°.7/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.16	+ 7 39.5	1.822	2.627	16.2	21.1
8 19	23 51.14	+ 7 55.9	1.767	2.655	12.9	20.9
8 29	23 43.07	+ 7 54.4	1.733	2.683	9.2	20.7
9 8	23 33.69	+ 7 36.4	1.724	2.710	5.5	20.6
9 18	23 23.94	+ 7 5.2	1.742	2.737	3.7	20.5
9 28	23 14.86	+ 6 26.2	1.788	2.764	5.9	20.7
10 8	23 7.34	+ 5 45.4	1.861	2.790	9.3	21.0
10 18	23 1.96	+ 5 8.5	1.959	2.816	12.4	21.2

237960 2002 RF_{124} 9 13.9 339°.78 7°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.43	−17 50.9	1.428	2.323	15.0	18.6
8 19	23 45.45	−19 17.7	1.367	2.312	11.7	18.4
8 29	23 39.94	−20 45.4	1.327	2.302	8.7	18.2
9 8	23 32.65	−22 3.3	1.312	2.292	7.6	18.1
9 18	23 24.61	−23 1.0	1.319	2.284	9.3	18.2
9 28	23 17.11	−23 31.1	1.351	2.276	12.5	18.4
10 8	23 11.31	−23 30.9	1.403	2.270	16.0	18.6
10 18	23 7.99	−23 1.9	1.473	2.264	19.1	18.8

339142 2004 TW_{3} 9 13.9 254°.27 2°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.26	− 7 36.2	1.819	2.680	13.9	21.5
8 19	23 49.32	− 8 6.0	1.738	2.670	10.5	21.3
8 29	23 42.18	− 8 43.5	1.680	2.660	6.6	21.1
9 8	23 33.46	− 9 23.4	1.647	2.649	2.9	20.8
9 18	23 24.04	− 9 59.8	1.642	2.639	3.5	20.8
9 28	23 15.01	−10 26.8	1.664	2.628	7.5	21.0
10 8	23 7.37	−10 40.2	1.712	2.617	11.5	21.3
10 18	23 1.86	−10 38.0	1.782	2.606	15.0	21.5

492324 2014 DO_{2} 9 13.9 82°.22 6°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.59	− 3 1.1	0.953	1.851	20.4	20.5
8 19	23 46.27	− 6 37.2	0.906	1.860	15.0	20.3
8 29	23 40.77	−10 42.4	0.881	1.869	9.3	20.0
9 8	23 33.01	−14 52.9	0.880	1.879	6.0	19.9
9 18	23 24.41	−18 41.0	0.905	1.888	9.1	20.1
9 28	23 16.66	−21 44.3	0.954	1.897	14.4	20.4
10 8	23 11.22	−23 52.6	1.023	1.906	19.3	20.7
10 18	23 8.91	−25 7.0	1.109	1.915	23.2	21.0

340301 2006 CP_{45} 9 13.9 161°.06 1°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.41	+ 1 15.4	1.727	2.566	15.5	21.1
8 19	23 49.45	+ 1 17.7	1.651	2.566	12.1	20.9
8 29	23 42.26	+ 1 6.1	1.597	2.567	8.0	20.6
9 8	23 33.49	+ 0 43.1	1.568	2.567	3.6	20.4
9 18	23 24.07	+ 0 12.7	1.565	2.567	2.0	20.3
9 28	23 15.10	− 0 19.4	1.590	2.568	6.2	20.5
10 8	23 7.60	− 0 47.5	1.640	2.568	10.4	20.8
10 18	23 2.31	− 1 7.3	1.714	2.568	14.0	21.0

401663 2013 GC_{113} 9 13.9 169°.65 4°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.57	−16 35.4	2.441	3.304	10.8	21.0
8 19	23 47.41	−17 18.5	2.376	3.305	8.2	20.8
8 29	23 40.64	−18 1.1	2.336	3.307	5.7	20.7
9 8	23 32.80	−18 37.9	2.323	3.308	4.3	20.6
9 18	23 24.57	−19 4.2	2.338	3.309	5.3	20.7
9 28	23 16.75	−19 16.5	2.381	3.310	7.7	20.8
10 8	23 10.03	−19 13.1	2.450	3.311	10.2	21.0
10 18	23 4.95	−18 54.1	2.541	3.311	12.5	21.2

342733 2008 WO_{42} 9 13.9 359°.01 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.95	+ 0 49.8	1.289	2.158	18.0	19.9
8 19	23 45.93	+ 0 45.3	1.223	2.155	14.0	19.6
8 29	23 40.31	+ 0 22.6	1.176	2.153	9.2	19.3
9 8	23 32.81	− 0 14.4	1.150	2.152	4.0	19.0
9 18	23 24.54	− 0 59.8	1.149	2.152	2.1	18.9
9 28	23 16.83	− 1 45.5	1.172	2.153	7.3	19.2
10 8	23 10.88	− 2 23.6	1.218	2.155	12.2	19.5
10 18	23 7.50	− 2 48.5	1.285	2.158	16.5	19.8

256629 2007 VC_{232} 9 13.9 299°.54 1°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.20	+ 2 11.9	1.303	2.163	18.4	20.6
8 19	23 47.87	+ 1 58.9	1.220	2.147	14.4	20.3
8 29	23 41.74	+ 1 25.0	1.157	2.131	9.7	20.0
9 8	23 33.44	+ 0 33.0	1.115	2.116	4.3	19.6
9 18	23 24.06	− 0 30.7	1.098	2.101	2.3	19.5
9 28	23 15.02	− 1 36.9	1.105	2.086	7.7	19.8
10 8	23 7.73	− 2 35.8	1.135	2.071	13.1	20.0
10 18	23 3.20	− 3 19.8	1.186	2.057	17.8	20.3

449421 2013 HZ_{48} 9 13.9 25°.53 6°.2/21.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.88	+18 36.0	1.992	2.751	16.5	20.8
8 19	23 42.82	+18 25.6	1.913	2.757	14.0	20.6
8 29	23 37.95	+17 49.3	1.854	2.763	11.1	20.4
9 8	23 31.84	+16 47.5	1.816	2.770	8.3	20.3
9 18	23 25.23	+15 23.1	1.803	2.777	6.3	20.2
9 28	23 19.00	+13 42.5	1.817	2.785	6.7	20.2
10 8	23 13.95	+11 54.3	1.858	2.793	8.9	20.4
10 18	23 10.69	+10 7.5	1.924	2.801	11.7	20.6

281419 2008 RF_{129} 9 13.9 17°.25 8°.6/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.90	+17 9.1	1.275	2.080	21.8	19.9
8 19	23 44.46	+17 47.0	1.214	2.086	18.6	19.7
8 29	23 39.40	+17 52.1	1.169	2.094	14.9	19.5
9 8	23 32.48	+17 22.7	1.143	2.103	11.2	19.3
9 18	23 24.79	+16 20.9	1.137	2.114	8.8	19.2
9 28	23 17.71	+14 54.6	1.155	2.125	9.2	19.3
10 8	23 12.44	+13 15.7	1.196	2.138	11.9	19.5
10 18	23 9.77	+11 36.9	1.258	2.152	15.4	19.7

72160 2000 YH_{102} 9 13.9 225°.51 1°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.14	+ 4 21.7	1.541	2.382	17.0	19.4
8 19	23 47.28	+ 3 45.5	1.464	2.379	13.3	19.2
8 29	23 41.04	+ 2 47.7	1.407	2.376	8.9	18.9
9 8	23 33.08	+ 1 32.0	1.374	2.373	4.1	18.6
9 18	23 24.36	+ 0 5.4	1.366	2.369	2.1	18.5
9 28	23 16.08	− 1 22.8	1.386	2.365	6.7	18.8
10 8	23 9.35	− 2 43.0	1.430	2.361	11.3	19.0
10 18	23 4.94	− 3 48.2	1.497	2.357	15.4	19.3

82832 2001 QE_{46} 9 13.9 278°.34 1°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.22	− 2 53.0	1.977	2.833	13.2	19.2
8 19	23 44.63	− 3 52.6	1.890	2.820	10.0	19.0
8 29	23 39.16	− 5 5.5	1.827	2.806	6.2	18.7
9 8	23 32.33	− 6 26.4	1.789	2.792	2.3	18.5
9 18	23 24.87	− 7 48.5	1.779	2.779	2.7	18.5
9 28	23 17.69	− 9 4.2	1.797	2.765	6.7	18.7
10 8	23 11.63	−10 7.2	1.841	2.751	10.5	18.9
10 18	23 7.38	−10 53.1	1.909	2.737	13.9	19.1

202152 2004 TP_{343} 9 13.9 1°.99 3°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.91	+ 8 57.5	1.409	2.245	18.6	19.9
8 19	23 44.23	+ 8 40.7	1.337	2.244	14.9	19.6
8 29	23 39.16	+ 7 57.4	1.284	2.243	10.7	19.4
9 8	23 32.38	+ 6 50.0	1.253	2.244	6.3	19.1
9 18	23 24.87	+ 5 24.3	1.246	2.245	3.8	19.0
9 28	23 17.83	+ 3 49.8	1.264	2.246	6.7	19.2
10 8	23 12.39	+ 2 17.6	1.306	2.248	11.1	19.4
10 18	23 9.31	+ 0 56.9	1.371	2.252	15.3	19.7

479076 2013 AT_{92} 9 13.9 285°.35 2°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.22	+ 2 58.0	1.920	2.744	14.8	21.2
8 19	23 50.18	+ 3 18.8	1.816	2.720	11.7	21.0
8 29	23 42.88	+ 3 27.0	1.733	2.696	8.1	20.7
9 8	23 33.82	+ 3 23.4	1.676	2.671	4.3	20.4
9 18	23 23.82	+ 3 10.1	1.646	2.646	2.6	20.3
9 28	23 13.95	+ 2 51.1	1.644	2.621	6.1	20.4
10 8	23 5.29	+ 2 31.4	1.668	2.596	10.2	20.6
10 18	22 58.70	+ 2 15.9	1.717	2.571	14.0	20.8

449784 2014 OG_{159} 9 13.9 102°.11 6°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.09	−22 2.2	2.255	3.126	11.2	20.5
8 19	23 45.76	−23 23.2	2.202	3.129	8.9	20.4
8 29	23 39.69	−24 40.5	2.175	3.132	7.1	20.3
9 8	23 32.47	−25 46.7	2.173	3.134	6.6	20.3
9 18	23 24.84	−26 36.0	2.198	3.137	7.8	20.3
9 28	23 17.64	−27 4.1	2.249	3.140	9.9	20.5
10 8	23 11.63	−27 9.7	2.323	3.143	12.1	20.6
10 18	23 7.35	−26 54.0	2.417	3.145	14.2	20.8

236477 2006 FO_{23} 9 13.9 36°.48 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.26	− 0 2.3	1.474	2.336	16.5	20.5
8 19	23 45.73	− 0 42.5	1.416	2.346	12.6	20.3
8 29	23 39.94	− 1 39.3	1.379	2.357	8.0	20.0
9 8	23 32.62	− 2 47.2	1.365	2.368	3.0	19.8
9 18	23 24.76	− 3 58.5	1.377	2.380	2.1	19.7
9 28	23 17.50	− 5 4.6	1.416	2.392	7.0	20.1
10 8	23 11.85	− 5 58.3	1.478	2.405	11.4	20.4
10 18	23 8.45	− 6 35.1	1.563	2.418	15.1	20.6

23570 1995 AA 9 13.9 258°.72 2°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.91	+ 6 33.1	2.533	3.334	12.3	19.6
8 19	23 46.30	+ 6 38.7	2.431	3.319	9.8	19.4
8 29	23 40.07	+ 6 31.4	2.352	3.303	7.0	19.2
9 8	23 32.66	+ 6 12.1	2.299	3.287	4.1	19.0
9 18	23 24.68	+ 5 42.9	2.274	3.271	2.7	18.8
9 28	23 16.87	+ 5 7.3	2.278	3.254	4.8	19.0
10 8	23 9.96	+ 4 29.9	2.311	3.238	7.8	19.1
10 18	23 4.54	+ 3 55.0	2.368	3.221	10.7	19.3

117844 2005 JR_{124} 9 13.9 220°.95 6°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.19	+21 53.1	2.410	3.125	15.1	20.3
8 19	23 45.15	+21 38.6	2.308	3.117	13.0	20.1
8 29	23 39.40	+20 59.6	2.225	3.109	10.7	20.0
9 8	23 32.42	+19 55.4	2.165	3.100	8.3	19.8
9 18	23 24.89	+18 27.8	2.131	3.091	6.6	19.7
9 28	23 17.61	+16 41.5	2.125	3.081	6.7	19.7
10 8	23 11.35	+14 44.3	2.147	3.071	8.5	19.8
10 18	23 6.72	+12 44.5	2.196	3.061	11.0	19.9

273965 2007 KY_{8} 9 13.9 119°.73 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.28	+ 0 18.4	1.971	2.811	13.8	20.8
8 19	23 46.71	− 0 47.8	1.908	2.827	10.5	20.6
8 29	23 40.32	− 2 8.2	1.868	2.843	6.6	20.4
9 8	23 32.73	− 3 37.3	1.855	2.857	2.4	20.2
9 18	23 24.73	− 5 8.0	1.870	2.872	1.9	20.2
9 28	23 17.21	− 6 32.6	1.914	2.886	6.0	20.5
10 8	23 10.97	− 7 44.8	1.986	2.899	9.7	20.7
10 18	23 6.56	− 8 40.7	2.082	2.912	12.8	21.0

256636 2007 VJ_{291} 9 13.9 64°.57 5°.2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.89	−11 51.5	1.267	2.153	17.1	19.9
8 19	23 50.32	−12 58.5	1.220	2.164	12.8	19.7
8 29	23 42.97	−14 11.0	1.193	2.175	8.4	19.5
9 8	23 33.80	−15 18.7	1.190	2.186	5.4	19.3
9 18	23 24.05	−16 11.7	1.211	2.197	6.8	19.4
9 28	23 15.16	−16 42.5	1.257	2.209	10.8	19.7
10 8	23 8.34	−16 48.1	1.325	2.220	14.9	20.0
10 18	23 4.29	−16 29.5	1.412	2.232	18.4	20.2

196501 2003 LX_{6} 9 13.9 38°.01 7°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.11	−17 1.7	1.301	2.194	16.4	19.0
8 19	23 48.84	−18 14.4	1.264	2.208	12.5	18.8
8 29	23 41.94	−19 25.4	1.248	2.224	8.9	18.6
9 8	23 33.37	−20 24.2	1.255	2.240	7.1	18.6
9 18	23 24.36	−21 2.0	1.285	2.257	8.6	18.7
9 28	23 16.27	−21 13.4	1.340	2.275	11.8	18.9
10 8	23 10.19	−20 57.8	1.415	2.293	15.3	19.2
10 18	23 6.74	−20 17.9	1.510	2.311	18.2	19.5

439226 2012 TF_{66} 9 13.9 336°.16 4°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.73	+ 9 8.3	1.493	2.323	18.0	20.6
8 19	23 44.84	+ 9 3.7	1.413	2.315	14.6	20.4
8 29	23 39.58	+ 8 34.7	1.352	2.308	10.6	20.1
9 8	23 32.59	+ 7 42.2	1.313	2.301	6.5	19.9
9 18	23 24.80	+ 6 30.6	1.297	2.295	4.1	19.7
9 28	23 17.39	+ 5 8.1	1.308	2.289	6.7	19.9
10 8	23 11.48	+ 3 44.6	1.343	2.284	11.0	20.1
10 18	23 7.89	+ 2 29.4	1.400	2.279	15.1	20.4

209526 2004 TJ_{52} 9 13.9 196°.03 1°.4/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.43	+ 2 33.3	1.396	2.247	17.9	20.8
8 19	23 49.22	+ 2 12.3	1.325	2.247	13.9	20.6
8 29	23 42.38	+ 1 31.1	1.274	2.246	9.3	20.3
9 8	23 33.65	+ 0 33.6	1.245	2.245	4.1	20.0
9 18	23 24.11	− 0 33.5	1.242	2.245	2.1	19.9
9 28	23 15.11	− 1 41.1	1.264	2.244	7.2	20.2
10 8	23 7.87	− 2 40.6	1.311	2.243	12.1	20.5
10 18	23 3.21	− 3 25.4	1.380	2.242	16.3	20.7

513803 2013 CO_{163} 9 13.9 155°.80 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.10	− 1 43.3	2.564	3.398	11.2	22.6
8 19	23 46.24	− 2 7.3	2.488	3.404	8.5	22.4
8 29	23 39.90	− 2 39.9	2.437	3.410	5.4	22.2
9 8	23 32.58	− 3 18.1	2.413	3.415	2.0	22.0
9 18	23 24.87	− 3 58.2	2.417	3.420	1.4	22.0
9 28	23 17.49	− 4 35.9	2.452	3.424	4.8	22.2
10 8	23 11.08	− 5 7.4	2.515	3.428	7.9	22.4
10 18	23 6.13	− 5 30.1	2.603	3.432	10.6	22.6

397275 2006 RP_{85} 9 13.9 20°.02 0°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.58	+ 0 0.3	1.686	2.539	15.2	21.0
8 19	23 45.81	− 0 24.5	1.617	2.542	11.6	20.8
8 29	23 39.96	− 1 3.8	1.570	2.546	7.5	20.5
9 8	23 32.67	− 1 53.6	1.548	2.550	3.0	20.3
9 18	23 24.82	− 2 47.9	1.552	2.555	1.8	20.2
9 28	23 17.44	− 3 39.9	1.582	2.560	6.3	20.5
10 8	23 11.46	− 4 23.2	1.638	2.565	10.5	20.8
10 18	23 7.55	− 4 53.7	1.717	2.571	14.0	21.0

107917 2001 FE_{101} 9 13.9 260°.26 3°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.96	+10 8.7	2.080	2.875	14.8	19.8
8 19	23 46.77	+10 2.9	1.976	2.856	12.1	19.6
8 29	23 40.61	+ 9 37.8	1.893	2.837	8.9	19.4
9 8	23 32.97	+ 8 53.8	1.834	2.817	5.7	19.1
9 18	23 24.56	+ 7 53.6	1.803	2.796	3.8	19.0
9 28	23 16.32	+ 6 42.6	1.799	2.775	5.8	19.1
10 8	23 9.16	+ 5 27.8	1.822	2.754	9.2	19.2
10 18	23 3.83	+ 4 16.5	1.871	2.732	12.7	19.4

514785 2007 GX_{70} 9 13.9 157°.36 3°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	+15 0.6	2.430	3.195	13.7	21.5
8 19	23 43.09	+14 10.8	2.339	3.196	11.3	21.4
8 29	23 38.01	+12 59.1	2.270	3.198	8.5	21.2
9 8	23 31.90	+11 27.3	2.226	3.199	5.7	21.0
9 18	23 25.37	+ 9 39.7	2.211	3.200	3.8	20.9
9 28	23 19.12	+ 7 42.7	2.225	3.200	4.9	21.0
10 8	23 13.84	+ 5 44.4	2.268	3.201	7.6	21.2
10 18	23 10.03	+ 3 52.2	2.339	3.202	10.4	21.3

242624 2005 KH_{13} 9 13.9 329°.97 2°.8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.21	−16 35.4	4.146	5.008	6.7	19.7
8 19	23 39.90	−17 18.8	4.077	5.006	5.1	19.6
8 29	23 35.72	−18 1.9	4.034	5.004	3.6	19.5
9 8	23 30.98	−18 41.8	4.019	5.001	2.8	19.4
9 18	23 26.01	−19 15.8	4.033	4.999	3.5	19.5
9 28	23 21.21	−19 41.5	4.076	4.997	5.0	19.6
10 8	23 16.95	−19 57.5	4.146	4.995	6.6	19.7
10 18	23 13.53	−20 2.8	4.240	4.993	8.1	19.8

360056 2013 AU_{91} 9 13.9 322°.67 2°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.84	− 6 10.5	1.779	2.648	13.8	20.4
8 19	23 45.24	− 7 11.1	1.706	2.643	10.4	20.1
8 29	23 39.61	− 8 22.3	1.656	2.638	6.5	19.9
9 8	23 32.56	− 9 37.6	1.632	2.634	2.9	19.7
9 18	23 24.91	−10 49.5	1.635	2.630	3.8	19.7
9 28	23 17.66	−11 50.5	1.664	2.626	7.7	20.0
10 8	23 11.73	−12 35.1	1.719	2.623	11.5	20.2
10 18	23 7.77	−13 0.3	1.795	2.619	14.8	20.4

452662 2005 VE_{9} 9 13.9 339°.56 6°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.38	−19 46.3	1.771	2.652	13.3	20.4
8 19	23 47.22	−20 47.7	1.709	2.644	10.4	20.2
8 29	23 40.88	−21 46.6	1.670	2.638	7.9	20.1
9 8	23 33.04	−22 35.1	1.655	2.631	6.8	20.0
9 18	23 24.62	−23 5.9	1.665	2.625	8.1	20.1
9 28	23 16.70	−23 14.2	1.700	2.620	10.8	20.2
10 8	23 10.27	−22 58.5	1.758	2.615	13.8	20.4
10 18	23 6.00	−22 20.2	1.836	2.611	16.5	20.6

157347 2004 TQ_{67} 9 13.9 318°.26 4°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.89	−15 21.5	2.080	2.956	11.8	19.7
8 19	23 45.03	−16 30.8	2.012	2.949	9.0	19.5
8 29	23 39.36	−17 42.0	1.969	2.943	6.3	19.3
9 8	23 32.44	−18 48.1	1.951	2.938	4.9	19.2
9 18	23 25.02	−19 42.6	1.961	2.932	6.2	19.3
9 28	23 17.96	−20 19.9	1.997	2.926	8.9	19.4
10 8	23 12.08	−20 37.3	2.058	2.921	11.8	19.6
10 18	23 7.97	−20 34.3	2.139	2.916	14.3	19.8

511493 2014 NY_{63} 9 13.9 126°.69 9°.4/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.89	+33 51.7	2.804	3.401	15.2	20.7
8 19	23 46.35	+34 32.8	2.720	3.410	14.0	20.6
8 29	23 40.13	+34 50.9	2.652	3.419	12.5	20.5
9 8	23 32.73	+34 43.5	2.602	3.428	11.1	20.4
9 18	23 24.81	+34 9.5	2.574	3.436	10.0	20.4
9 28	23 17.19	+33 10.9	2.570	3.444	9.4	20.4
10 8	23 10.60	+31 52.2	2.590	3.452	9.7	20.4
10 18	23 5.62	+30 20.0	2.635	3.460	10.6	20.5

340220 2006 BP 9 13.9 189°.88 4°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.73	+ 8 46.2	1.985	2.782	15.3	20.8
8 19	23 50.32	+ 9 12.7	1.901	2.781	12.5	20.6
8 29	23 42.81	+ 9 22.6	1.837	2.780	9.2	20.4
9 8	23 33.80	+ 9 15.9	1.798	2.779	5.9	20.2
9 18	23 24.10	+ 8 54.4	1.786	2.778	4.2	20.1
9 28	23 14.74	+ 8 22.0	1.802	2.776	6.1	20.2
10 8	23 6.68	+ 7 44.6	1.845	2.773	9.4	20.4
10 18	23 0.64	+ 7 7.9	1.913	2.771	12.6	20.6

117771 2005 GD_{93} 9 13.9 107°.97 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.31	− 3 19.1	1.958	2.801	13.8	19.7
8 19	23 50.59	− 3 16.4	1.887	2.807	10.5	19.5
8 29	23 42.86	− 3 22.3	1.838	2.813	6.7	19.3
9 8	23 33.76	− 3 33.7	1.816	2.819	2.5	19.0
9 18	23 24.17	− 3 46.8	1.822	2.825	1.8	19.0
9 28	23 15.05	− 3 57.5	1.857	2.830	5.9	19.3
10 8	23 7.32	− 4 2.3	1.918	2.836	9.7	19.5
10 18	23 1.61	− 3 58.6	2.004	2.842	13.0	19.7

13396 Midavaine 9 13.9 308°.52 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.06	− 0 51.8	1.554	2.419	15.7	17.4
8 19	23 44.32	− 1 54.0	1.467	2.400	12.0	17.2
8 29	23 39.29	− 3 15.6	1.401	2.381	7.6	16.9
9 8	23 32.54	− 4 50.8	1.359	2.363	2.8	16.5
9 18	23 24.95	− 6 30.9	1.344	2.345	2.7	16.5
9 28	23 17.63	− 8 5.4	1.354	2.327	7.7	16.7
10 8	23 11.70	− 9 24.9	1.389	2.310	12.4	17.0
10 18	23 8.00	−10 23.3	1.446	2.293	16.6	17.2

290033 2005 QJ_{31} 9 13.9 335°.76 0°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.32	− 0 7.7	1.117	2.003	19.0	20.1
8 19	23 43.71	− 0 32.3	1.042	1.984	14.7	19.8
8 29	23 39.26	− 1 18.8	0.985	1.967	9.6	19.5
9 8	23 32.62	− 2 22.5	0.948	1.952	3.7	19.1
9 18	23 24.89	− 3 35.1	0.934	1.937	2.5	19.0
9 28	23 17.58	− 4 45.1	0.943	1.924	8.6	19.3
10 8	23 12.12	− 5 41.7	0.972	1.913	14.3	19.6
10 18	23 9.52	− 6 17.8	1.021	1.903	19.2	19.8

37276 2000 XL_{43} 9 13.9 25°.02 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.80	− 0 54.3	1.226	2.085	19.4	17.4
8 19	23 54.14	+ 0 6.8	1.171	2.096	15.0	17.2
8 29	23 45.50	+ 0 55.3	1.136	2.109	10.0	16.9
9 8	23 34.83	+ 1 32.0	1.123	2.122	4.8	16.7
9 18	23 23.49	+ 1 58.5	1.135	2.136	2.9	16.6
9 28	23 13.06	+ 2 18.4	1.172	2.152	7.5	17.0
10 8	23 4.85	+ 2 36.4	1.233	2.168	12.3	17.3
10 18	22 59.65	+ 2 56.5	1.315	2.185	16.4	17.6

386821 2010 GS_{62} 9 13.9 125°.10 3°.5/18.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.55	+11 28.3	2.178	2.964	14.5	21.4
8 19	23 46.11	+11 0.5	2.103	2.977	11.7	21.2
8 29	23 39.95	+10 12.9	2.050	2.990	8.5	21.0
9 8	23 32.66	+ 9 7.4	2.022	3.003	5.4	20.9
9 18	23 24.95	+ 7 48.2	2.022	3.015	3.5	20.8
9 28	23 17.64	+ 6 21.7	2.051	3.027	5.2	20.9
10 8	23 11.48	+ 4 55.1	2.107	3.038	8.2	21.1
10 18	23 7.02	+ 3 34.9	2.190	3.049	11.2	21.3

402493 2006 DS_{1} 9 13.9 264°.10 0°.4/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.39	− 3 51.4	2.481	3.320	11.4	21.5
8 19	23 47.44	− 4 1.5	2.385	3.304	8.7	21.3
8 29	23 40.82	− 4 18.8	2.313	3.288	5.5	21.1
9 8	23 33.02	− 4 40.6	2.268	3.271	2.0	20.8
9 18	23 24.67	− 5 3.4	2.252	3.254	1.7	20.7
9 28	23 16.53	− 5 23.5	2.266	3.237	5.2	21.0
10 8	23 9.34	− 5 37.4	2.308	3.220	8.6	21.1
10 18	23 3.69	− 5 42.7	2.374	3.202	11.5	21.3

516047 2015 TC_{137} 9 13.9 325°.44 4°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.32	−14 16.1	2.134	3.008	11.6	20.8
8 19	23 44.56	−15 26.0	2.066	3.003	8.8	20.7
8 29	23 39.05	−16 38.5	2.023	2.999	6.0	20.5
9 8	23 32.35	−17 47.1	2.006	2.994	4.5	20.4
9 18	23 25.17	−18 45.1	2.016	2.990	5.8	20.5
9 28	23 18.34	−19 27.2	2.053	2.986	8.5	20.6
10 8	23 12.64	−19 50.2	2.115	2.982	11.3	20.8
10 18	23 8.64	−19 53.4	2.199	2.979	13.9	21.0

281485 2008 SS_{263} 9 13.9 19°.73 7°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.02	−19 15.8	1.309	2.196	16.7	19.5
8 19	23 51.95	−19 54.8	1.262	2.201	13.0	19.3
8 29	23 44.03	−20 29.3	1.235	2.208	9.4	19.1
9 8	23 34.26	−20 50.1	1.230	2.214	7.4	19.0
9 18	23 23.95	−20 49.9	1.249	2.222	8.7	19.1
9 28	23 14.58	−20 24.7	1.293	2.231	11.9	19.3
10 8	23 7.35	−19 35.1	1.358	2.240	15.5	19.6
10 18	23 2.97	−18 24.9	1.442	2.250	18.6	19.8

366121 2012 DB_{44} 9 13.9 239°.17 4°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.52	−16 10.6	2.351	3.219	10.9	21.1
8 19	23 46.04	−17 5.5	2.284	3.216	8.3	20.9
8 29	23 39.91	−18 0.7	2.242	3.214	5.8	20.8
9 8	23 32.67	−18 50.5	2.226	3.211	4.5	20.7
9 18	23 25.00	−19 29.7	2.238	3.209	5.6	20.7
9 28	23 17.69	−19 53.8	2.278	3.206	8.0	20.9
10 8	23 11.47	−20 0.8	2.343	3.203	10.6	21.0
10 18	23 6.88	−19 50.5	2.430	3.201	13.0	21.2

421052 2013 QL_{1} 9 13.9 293°.72 18°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.85	+34 2.4	1.541	2.196	24.3	20.3
8 19	23 53.71	+36 34.6	1.454	2.179	22.9	20.1
8 29	23 46.11	+38 39.1	1.381	2.162	21.3	19.9
9 8	23 35.47	+40 5.4	1.322	2.146	19.8	19.8
9 18	23 22.86	+40 44.0	1.280	2.129	18.7	19.6
9 28	23 10.04	+40 30.9	1.256	2.113	18.3	19.6
10 8	22 58.99	+39 29.9	1.249	2.097	18.8	19.6
10 18	22 51.30	+37 52.1	1.260	2.081	20.1	19.6

265189 2004 BG_{19} 9 13.9 244°.24 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 55.65	− 2 58.1	1.755	2.604	14.9	21.5
8 19	23 50.60	− 3 20.6	1.666	2.590	11.4	21.3
8 29	23 43.19	− 3 55.2	1.600	2.576	7.3	21.0
9 8	23 34.03	− 4 37.7	1.558	2.561	2.7	20.7
9 18	23 24.04	− 5 22.4	1.544	2.546	2.3	20.6
9 28	23 14.35	− 6 2.9	1.558	2.530	7.0	20.9
10 8	23 6.07	− 6 33.3	1.598	2.514	11.4	21.1
10 18	23 0.03	− 6 50.0	1.660	2.497	15.2	21.3

342288 2008 TT_{25} 9 13.9 356°.45 6°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.43	−16 13.8	1.119	2.021	17.7	18.3
8 19	23 48.25	−16 50.5	1.064	2.015	13.6	18.0
8 29	23 42.00	−17 26.9	1.028	2.010	9.5	17.8
9 8	23 33.61	−17 53.1	1.014	2.007	6.9	17.7
9 18	23 24.42	−18 0.3	1.022	2.005	8.3	17.7
9 28	23 16.04	−17 42.6	1.052	2.005	12.2	18.0
10 8	23 9.83	−16 59.0	1.102	2.007	16.4	18.2
10 18	23 6.61	−15 52.2	1.171	2.010	20.2	18.5

440819 2006 QD_{177} 9 13.9 344°.06 1°.1/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.04	+ 1 15.7	1.680	2.529	15.5	21.6
8 19	23 46.30	+ 1 4.0	1.603	2.524	12.0	21.4
8 29	23 40.39	+ 0 36.9	1.548	2.520	7.9	21.1
9 8	23 32.95	− 0 2.2	1.516	2.517	3.5	20.8
9 18	23 24.84	− 0 48.5	1.511	2.514	1.8	20.7
9 28	23 17.13	− 1 35.4	1.532	2.511	6.2	21.0
10 8	23 10.81	− 2 16.5	1.578	2.508	10.5	21.3
10 18	23 6.60	− 2 46.7	1.647	2.507	14.2	21.5

430038 2013 RY_{78} 9 13.9 329°.43 2°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.84	− 5 51.2	1.208	2.093	17.9	20.7
8 19	23 48.48	− 6 18.0	1.138	2.082	13.6	20.5
8 29	23 42.19	− 6 57.8	1.087	2.071	8.6	20.2
9 8	23 33.73	− 7 44.0	1.058	2.062	3.4	19.8
9 18	23 24.29	− 8 28.2	1.053	2.052	3.9	19.8
9 28	23 15.38	− 9 1.5	1.071	2.044	9.3	20.1
10 8	23 8.41	− 9 17.5	1.112	2.037	14.4	20.4
10 18	23 4.32	− 9 13.3	1.172	2.030	18.9	20.6

472481 2015 BZ_{500} 9 13.9 82°.39 0°.8/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.30	+ 1 19.6	1.494	2.345	17.0	21.5
8 19	23 48.83	+ 0 52.3	1.434	2.356	13.0	21.3
8 29	23 41.98	+ 0 7.7	1.393	2.367	8.5	21.1
9 8	23 33.52	− 0 49.7	1.377	2.379	3.5	20.8
9 18	23 24.49	− 1 53.0	1.387	2.390	1.9	20.7
9 28	23 16.08	− 2 54.1	1.423	2.401	6.7	21.1
10 8	23 9.36	− 3 45.7	1.484	2.412	11.2	21.4
10 18	23 5.02	− 4 22.8	1.567	2.423	15.0	21.6

394601 2007 VE_{252} 9 13.9 311°.29 7°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.09	−20 25.8	1.642	2.523	14.1	20.2
8 19	23 48.84	−21 33.6	1.572	2.507	11.2	20.0
8 29	23 42.12	−22 39.4	1.524	2.491	8.6	19.8
9 8	23 33.64	−23 33.7	1.501	2.475	7.6	19.7
9 18	23 24.38	−24 8.1	1.502	2.460	9.1	19.7
9 28	23 15.59	−24 16.8	1.527	2.445	12.0	19.9
10 8	23 8.42	−23 57.9	1.575	2.430	15.2	20.1
10 18	23 3.64	−23 13.4	1.641	2.416	18.1	20.2

468852 2013 AJ_{92} 9 13.9 235°.42 2°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.80	+11 40.2	4.614	5.371	7.8	20.7
8 19	23 40.29	+11 44.3	4.517	5.368	6.4	20.6
8 29	23 35.99	+11 39.6	4.443	5.366	4.8	20.5
9 8	23 31.15	+11 26.6	4.396	5.363	3.4	20.4
9 18	23 26.08	+11 6.5	4.378	5.360	2.5	20.3
9 28	23 21.13	+10 40.9	4.390	5.357	3.1	20.4
10 8	23 16.64	+10 12.1	4.430	5.354	4.5	20.5
10 18	23 12.89	+ 9 42.4	4.498	5.351	6.0	20.6

452039 2014 OB_{178} 9 13.9 348°.30 1°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.02	+ 1 17.9	2.083	2.911	13.6	20.8
8 19	23 48.89	+ 1 38.6	2.001	2.909	10.6	20.6
8 29	23 41.85	+ 1 48.7	1.941	2.907	7.1	20.4
9 8	23 33.46	+ 1 49.6	1.908	2.905	3.5	20.2
9 18	23 24.51	+ 1 43.7	1.902	2.904	2.0	20.0
9 28	23 15.91	+ 1 34.6	1.925	2.903	5.3	20.3
10 8	23 8.51	+ 1 26.2	1.975	2.902	9.0	20.5
10 18	23 2.96	+ 1 21.9	2.049	2.901	12.2	20.7

389677 2011 QT_{7} 9 13.9 24°.45 3°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.62	+ 7 12.5	1.490	2.325	17.8	20.5
8 19	23 46.14	+ 7 13.6	1.425	2.331	14.2	20.3
8 29	23 40.34	+ 6 52.8	1.379	2.338	10.0	20.1
9 8	23 32.93	+ 6 12.2	1.355	2.346	5.8	19.9
9 18	23 24.89	+ 5 16.5	1.356	2.355	3.6	19.8
9 28	23 17.39	+ 4 13.2	1.383	2.364	6.5	20.0
10 8	23 11.46	+ 3 10.9	1.434	2.373	10.6	20.2
10 18	23 7.83	+ 2 16.9	1.508	2.384	14.4	20.5

296263 2009 DO_{35} 9 13.9 112°.83 0°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.75	− 2 34.1	2.172	3.015	12.6	21.6
8 19	23 46.97	− 3 7.4	2.107	3.028	9.5	21.5
8 29	23 40.49	− 3 50.3	2.065	3.041	6.0	21.3
9 8	23 32.91	− 4 38.9	2.050	3.053	2.2	21.0
9 18	23 24.94	− 5 28.0	2.063	3.065	1.9	21.0
9 28	23 17.40	− 6 12.7	2.106	3.077	5.6	21.3
10 8	23 11.03	− 6 48.4	2.175	3.088	9.0	21.5
10 18	23 6.36	− 7 12.4	2.268	3.099	11.9	21.8

96268 Tomcarr 9 13.9 11°.30 4°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.87	+ 7 13.4	1.012	1.882	21.7	17.7
8 19	23 43.32	+ 7 37.4	0.961	1.887	17.5	17.4
8 29	23 38.90	+ 7 33.2	0.927	1.894	12.5	17.2
9 8	23 32.45	+ 7 2.2	0.911	1.904	7.5	16.9
9 18	23 25.24	+ 6 10.0	0.917	1.915	4.8	16.8
9 28	23 18.78	+ 5 6.6	0.944	1.929	7.8	17.1
10 8	23 14.35	+ 4 3.5	0.993	1.945	12.6	17.4
10 18	23 12.74	+ 3 10.4	1.061	1.962	17.0	17.7

392077 2009 DS_{26} 9 13.9 123°.49 0°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.40	+ 1 7.9	1.984	2.819	14.0	22.0
8 19	23 47.68	+ 0 53.3	1.911	2.825	10.8	21.8
8 29	23 41.07	+ 0 25.6	1.860	2.830	7.0	21.6
9 8	23 33.17	− 0 11.9	1.835	2.835	3.0	21.4
9 18	23 24.76	− 0 54.9	1.837	2.840	1.6	21.3
9 28	23 16.76	− 1 37.9	1.868	2.845	5.5	21.6
10 8	23 10.02	− 2 15.7	1.925	2.850	9.3	21.8
10 18	23 5.16	− 2 44.1	2.007	2.854	12.6	22.0

73757 1994 CH_{10} 9 13.9 309°.15 1°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.99	− 5 56.1	2.188	3.044	12.1	18.6
8 19	23 45.80	− 6 21.0	2.105	3.034	9.1	18.4
8 29	23 39.87	− 6 53.3	2.045	3.024	5.7	18.2
9 8	23 32.73	− 7 29.0	2.012	3.015	2.2	18.0
9 18	23 25.05	− 8 3.5	2.007	3.006	2.5	18.0
9 28	23 17.66	− 8 32.1	2.029	2.997	6.1	18.2
10 8	23 11.35	− 8 50.9	2.078	2.988	9.5	18.4
10 18	23 6.71	− 8 57.6	2.151	2.979	12.6	18.6

79151 1992 YS_{3} 9 13.9 246°.89 2°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.97	+ 4 53.8	1.777	2.601	15.8	20.7
8 19	23 49.35	+ 4 47.0	1.684	2.587	12.5	20.4
8 29	23 42.44	+ 4 22.3	1.611	2.573	8.7	20.2
9 8	23 33.80	+ 3 41.5	1.563	2.558	4.5	19.9
9 18	23 24.29	+ 2 48.6	1.542	2.543	2.6	19.7
9 28	23 15.04	+ 1 49.9	1.548	2.527	6.2	19.9
10 8	23 7.13	+ 0 52.8	1.581	2.511	10.5	20.2
10 18	23 1.38	+ 0 3.9	1.637	2.494	14.4	20.4

496804 2017 JD_{2} 9 13.9 193°.88 20°.8/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.42	−43 38.3	1.081	1.936	21.7	21.2
8 19	23 58.70	−46 51.5	1.068	1.935	20.9	21.1
8 29	23 49.28	−49 28.1	1.072	1.935	21.0	21.1
9 8	23 36.49	−51 10.2	1.092	1.934	22.0	21.2
9 18	23 22.62	−51 48.2	1.127	1.932	23.5	21.3
9 28	23 10.37	−51 21.9	1.175	1.930	25.3	21.4
10 8	23 1.77	−50 0.5	1.234	1.928	27.0	21.6
10 18	22 57.66	−47 56.3	1.302	1.925	28.4	21.7

342616 2008 UJ_{338} 9 13.9 179°.26 0°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.50	+ 0 20.7	1.993	2.828	13.9	21.2
8 19	23 48.56	+ 0 6.6	1.915	2.829	10.7	21.0
8 29	23 41.67	− 0 19.8	1.859	2.830	7.0	20.8
9 8	23 33.42	− 0 55.6	1.829	2.830	2.9	20.6
9 18	23 24.62	− 1 36.4	1.827	2.830	1.6	20.5
9 28	23 16.19	− 2 16.7	1.853	2.830	5.7	20.8
10 8	23 9.03	− 2 51.5	1.907	2.829	9.5	21.0
10 18	23 3.77	− 3 16.7	1.984	2.828	12.8	21.2

343819 2011 HU_{12} 9 13.9 60°.61 8°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.12	−20 36.4	1.547	2.433	14.6	20.2
8 19	23 47.98	−22 23.6	1.506	2.442	11.5	20.0
8 29	23 41.45	−24 6.8	1.488	2.452	9.0	19.9
9 8	23 33.34	−25 34.9	1.495	2.462	8.4	19.9
9 18	23 24.72	−26 38.6	1.526	2.472	9.9	20.0
9 28	23 16.81	−27 12.2	1.580	2.483	12.6	20.2
10 8	23 10.63	−27 15.0	1.656	2.493	15.4	20.4
10 18	23 6.83	−26 49.7	1.750	2.504	17.9	20.6

306099 2010 HS_{77} 9 13.9 14°.80 6°.9/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.76	−17 56.8	1.111	2.009	18.1	19.3
8 19	23 50.50	−18 14.0	1.071	2.019	13.9	19.1
8 29	23 43.22	−18 26.9	1.051	2.030	9.7	18.9
9 8	23 34.02	−18 26.7	1.052	2.043	7.0	18.8
9 18	23 24.35	−18 7.1	1.075	2.058	8.1	18.9
9 28	23 15.78	−17 25.1	1.122	2.074	11.7	19.1
10 8	23 9.54	−16 21.8	1.189	2.092	15.6	19.4
10 18	23 6.26	−15 1.0	1.276	2.112	19.0	19.7

22042 1999 XP_{194} 9 13.9 327°.73 1°.1/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.27	− 7 21.0	3.945	4.792	7.3	19.0
8 19	23 40.76	− 7 43.2	3.862	4.787	5.5	18.9
8 29	23 36.34	− 8 8.7	3.805	4.782	3.4	18.7
9 8	23 31.33	− 8 35.2	3.776	4.778	1.4	18.6
9 18	23 26.08	− 9 0.4	3.777	4.774	1.7	18.6
9 28	23 20.98	− 9 21.9	3.808	4.769	3.8	18.7
10 8	23 16.44	− 9 37.7	3.867	4.765	5.8	18.9
10 18	23 12.76	− 9 46.3	3.951	4.761	7.7	19.0

322661 1999 RN_{170} 9 13.9 19°.81 0°.2/14.1 16

8 9	23 46.37	+ 0 1.8	0.897	1.794	21.4	20.1
8 19	23 44.64	− 0 27.9	0.855	1.804	16.4	19.8
8 29	23 39.78	− 1 21.0	0.830	1.815	10.4	19.6
9 8	23 32.81	− 2 30.0	0.824	1.828	4.0	19.3
9 18	23 25.13	− 3 43.7	0.840	1.843	2.6	19.2
9 28	23 18.40	− 4 49.7	0.877	1.860	8.8	19.7
10 8	23 13.93	− 5 38.1	0.935	1.878	14.3	20.0
10 18	23 12.44	− 6 3.9	1.011	1.897	18.9	20.4

335452 2005 UD_{456} 9 13.9 280°.44 2°.1/17.1 16

8 9	23 46.98	+ 6 45.9	3.254	4.049	10.0	20.9
8 19	23 43.07	+ 6 42.6	3.146	4.029	8.0	20.8
8 29	23 37.96	+ 6 28.6	3.061	4.009	5.7	20.6
9 8	23 32.00	+ 6 5.0	3.002	3.989	3.3	20.4
9 18	23 25.62	+ 5 33.7	2.973	3.969	2.2	20.3
9 28	23 19.35	+ 4 57.6	2.973	3.949	3.8	20.4
10 8	23 13.73	+ 4 20.0	3.002	3.929	6.2	20.5
10 18	23 9.19	+ 3 44.4	3.057	3.908	8.6	20.7

314493 2005 WH_{183} 9 13.9 328°.93 5°.0/ 9.2 18

8 9	23 51.92	−15 48.6	1.905	2.779	12.8	20.2
8 19	23 47.51	−16 35.9	1.836	2.772	9.8	20.0
8 29	23 41.07	−17 23.8	1.790	2.765	6.8	19.8
9 8	23 33.22	−18 5.8	1.770	2.759	5.1	19.7
9 18	23 24.82	−18 35.5	1.777	2.752	6.2	19.7
9 28	23 16.86	−18 48.1	1.809	2.747	9.1	19.9
10 8	23 10.24	−18 41.3	1.866	2.741	12.2	20.1
10 18	23 5.63	−18 15.4	1.944	2.736	15.1	20.3

62337 2000 SW_{127} 9 13.9 286°.04 2°.0/11.9 18

8 9	23 50.40	− 7 2.0	2.079	2.939	12.5	19.7
8 19	23 46.21	− 7 40.3	1.999	2.931	9.4	19.5
8 29	23 40.19	− 8 26.2	1.943	2.923	5.9	19.2
9 8	23 32.89	− 9 14.8	1.913	2.915	2.5	19.0
9 18	23 25.04	−10 0.6	1.911	2.907	3.2	19.0
9 28	23 17.51	−10 38.1	1.937	2.900	6.7	19.3
10 8	23 11.13	−11 3.3	1.988	2.892	10.2	19.5
10 18	23 6.52	−11 13.7	2.063	2.884	13.3	19.6

19336 1997 AF 9 13.9 342°.10 8°.1/ 7.4 18

8 9	23 41.68	−14 50.1	0.999	1.919	17.7	16.2
8 19	23 41.29	−16 18.0	0.933	1.895	13.7	15.9
8 29	23 37.91	−17 53.9	0.887	1.872	9.8	15.6
9 8	23 32.23	−19 24.1	0.860	1.852	8.1	15.5
9 18	23 25.44	−20 34.2	0.854	1.833	10.4	15.5
9 28	23 19.15	−21 11.6	0.868	1.817	14.7	15.7
10 8	23 14.89	−21 10.8	0.900	1.804	19.2	15.9
10 18	23 13.64	−20 32.6	0.947	1.793	23.3	16.2

511337 2014 EN_{16} 9 13.9 273°.89 1°.0/14.8 18

8 9	23 54.84	− 0 0.3	1.778	2.619	15.1	21.2
8 19	23 49.92	+ 0 4.5	1.694	2.610	11.7	20.9
8 29	23 42.74	− 0 2.9	1.631	2.602	7.7	20.7
9 8	23 33.91	− 0 20.3	1.593	2.593	3.4	20.4
9 18	23 24.34	− 0 43.7	1.582	2.585	1.8	20.3
9 28	23 15.12	− 1 8.3	1.599	2.576	6.2	20.6
10 8	23 7.29	− 1 28.6	1.641	2.568	10.5	20.8
10 18	23 1.63	− 1 40.6	1.707	2.559	14.2	21.0

257760 2000 BA_{37} 9 13.9 93°.09 4°.2/17.3 18

8 9	23 57.58	+ 7 36.9	1.607	2.420	17.6	20.3
8 19	23 51.99	+ 8 3.6	1.542	2.435	14.1	20.1
8 29	23 43.99	+ 8 10.8	1.498	2.449	10.2	19.9
9 8	23 34.35	+ 7 59.4	1.477	2.464	6.2	19.7
9 18	23 24.10	+ 7 32.0	1.483	2.478	4.2	19.6
9 28	23 14.47	+ 6 54.4	1.515	2.491	6.6	19.8
10 8	23 6.54	+ 6 13.6	1.573	2.505	10.4	20.0
10 18	23 1.02	+ 5 36.2	1.654	2.518	14.0	20.3

362952 2013 AE_{58} 9 13.9 220°.79 2°.6/16.6 18

8 9	23 52.69	+ 5 49.2	2.209	3.018	13.6	20.8
8 19	23 47.87	+ 5 53.9	2.120	3.013	10.8	20.6
8 29	23 41.24	+ 5 44.4	2.053	3.007	7.6	20.4
9 8	23 33.31	+ 5 21.9	2.011	3.002	4.3	20.2
9 18	23 24.79	+ 4 49.1	1.998	2.996	2.7	20.1
9 28	23 16.54	+ 4 10.3	2.012	2.990	5.2	20.2
10 8	23 9.39	+ 3 30.7	2.055	2.983	8.6	20.4
10 18	23 3.96	+ 2 55.2	2.122	2.977	11.7	20.6

474337 2002 HM_6 9 13.9 93°.08 4°.6/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 59.66	−15 7.4	1.846	2.708	13.7	21.3
8 19	23 53.06	−15 42.0	1.800	2.730	10.4	21.1
8 29	23 44.38	−16 16.2	1.777	2.751	7.0	21.0
9 8	23 34.41	−16 43.4	1.781	2.772	4.7	20.9
9 18	23 24.14	−16 58.5	1.812	2.792	5.6	21.0
9 28	23 14.65	−16 57.8	1.871	2.812	8.5	21.2
10 8	23 6.82	−16 40.3	1.955	2.832	11.7	21.4
10 18	23 1.21	−16 7.0	2.061	2.851	14.4	21.7

447392 2006 BR_{71} 9 13.9 312°.84 0°.2/13.8 17

8 9	23 51.87	− 3 17.4	1.909	2.761	13.7	21.2
8 19	23 47.63	− 3 20.7	1.813	2.739	10.5	20.9
8 29	23 41.30	− 3 33.6	1.740	2.717	6.8	20.7
9 8	23 33.40	− 3 52.8	1.692	2.695	2.6	20.4
9 18	23 24.72	− 4 14.5	1.671	2.673	1.9	20.3
9 28	23 16.25	− 4 33.7	1.677	2.652	6.3	20.5
10 8	23 8.98	− 4 45.8	1.710	2.632	10.4	20.7
10 18	23 3.68	− 4 47.6	1.765	2.611	14.1	20.9

283778 2003 PS_9 9 13.9 9°.71 25°.9/18.0 17

8 9	23 41.92	+49 18.9	1.076	1.683	35.1	17.8
8 19	23 42.68	+53 3.4	1.049	1.690	34.2	17.8
8 29	23 39.56	+55 55.4	1.027	1.700	33.1	17.7
9 8	23 33.11	+57 45.7	1.009	1.713	31.8	17.6
9 18	23 24.80	+58 26.6	0.997	1.730	30.3	17.6
9 28	23 17.12	+57 55.5	0.992	1.750	28.8	17.6
10 8	23 12.49	+56 17.5	0.994	1.773	27.2	17.6
10 18	23 12.39	+53 43.4	1.007	1.799	25.9	17.6

49180 1998 SE_{67} 9 13.9 16°.83 4°.1/10.9 18

8 9	23 47.98	− 7 53.5	1.050	1.952	18.6	17.1
8 19	23 45.60	− 8 59.6	1.004	1.957	13.9	16.9
8 29	23 40.30	−10 17.9	0.977	1.964	8.8	16.6
9 8	23 33.02	−11 37.5	0.971	1.973	4.5	16.4
9 18	23 25.05	−12 46.7	0.988	1.982	5.9	16.5
9 28	23 17.92	−13 35.3	1.027	1.993	10.7	16.8
10 8	23 12.87	−13 57.6	1.087	2.005	15.4	17.1
10 18	23 10.64	−13 53.1	1.165	2.018	19.4	17.4

60782 2000 GJ_{166} 9 13.9 342°.12 0°.9/13.2 18

8 9	23 50.28	− 3 26.3	1.711	2.573	14.6	19.8
8 19	23 46.45	− 3 57.0	1.637	2.569	11.1	19.6
8 29	23 40.50	− 4 39.5	1.586	2.565	7.0	19.4
9 8	23 33.06	− 5 29.0	1.558	2.562	2.6	19.1
9 18	23 24.99	− 6 19.4	1.558	2.559	2.4	19.1
9 28	23 17.33	− 7 3.9	1.584	2.556	6.9	19.3
10 8	23 11.06	− 7 36.9	1.635	2.554	11.0	19.6
10 18	23 6.86	− 7 55.1	1.708	2.552	14.6	19.8

449746 2014 OG_6 9 13.9 310°.81 4°.8/ 8.2 18

8 9	23 49.18	−15 25.6	2.179	3.052	11.5	20.2
8 19	23 45.20	−16 38.2	2.114	3.050	8.7	20.0
8 29	23 39.50	−17 52.4	2.074	3.048	6.1	19.9
9 8	23 32.63	−19 1.5	2.061	3.046	4.8	19.8
9 18	23 25.29	−19 58.9	2.075	3.044	6.0	19.9
9 28	23 18.31	−20 39.7	2.116	3.042	8.6	20.0
10 8	23 12.47	−21 0.8	2.181	3.041	11.3	20.2
10 18	23 8.32	−21 2.1	2.268	3.039	13.8	20.4

89488 2001 XG_{33} 9 13.9 82°.61 4°.5/18.9 18

8 9	23 50.88	+11 49.4	2.154	2.938	14.7	19.4
8 19	23 46.50	+12 1.9	2.076	2.945	12.0	19.3
8 29	23 40.34	+11 56.2	2.019	2.952	9.1	19.1
9 8	23 32.96	+11 32.6	1.985	2.958	6.2	18.9
9 18	23 25.07	+10 53.4	1.979	2.965	4.5	18.8
9 28	23 17.52	+10 3.1	2.000	2.972	5.7	18.9
10 8	23 11.12	+ 9 7.8	2.048	2.979	8.4	19.1
10 18	23 6.46	+ 8 13.2	2.121	2.985	11.3	19.3

202073 2004 SL_{24} 9 14.0 289°.91 1°.3/12.8 18

8 9	23 51.60	− 4 4.3	1.654	2.517	15.0	21.3
8 19	23 47.69	− 4 39.7	1.568	2.500	11.4	21.1
8 29	23 41.45	− 5 27.9	1.504	2.484	7.2	20.8
9 8	23 33.49	− 6 23.6	1.464	2.467	2.7	20.5
9 18	23 24.69	− 7 20.3	1.450	2.451	2.9	20.5
9 28	23 16.19	− 8 10.3	1.463	2.434	7.5	20.7
10 8	23 9.10	− 8 47.2	1.501	2.418	12.0	20.9
10 18	23 4.22	− 9 7.2	1.561	2.402	15.9	21.1

469414 2001 WG_{51} 9 14.0 345°.40 2°.2/12.6 18

8 9	23 48.90	− 6 11.5	1.108	2.002	18.4	20.5
8 19	23 46.45	− 6 29.3	1.041	1.990	14.0	20.2
8 29	23 41.03	− 6 59.6	0.992	1.979	8.9	19.9
9 8	23 33.40	− 7 36.1	0.965	1.969	3.5	19.5
9 18	23 24.76	− 8 10.4	0.960	1.961	3.9	19.5
9 28	23 16.70	− 8 33.8	0.978	1.954	9.5	19.8
10 8	23 10.63	− 8 40.1	1.018	1.949	14.7	20.1
10 18	23 7.51	− 8 26.5	1.075	1.946	19.3	20.4