2020	α_{2000}	δ_{2000}	Δ	r	β	V
291653	2006 HK_{52}		9	2.9	245.°23	2.°0/ 4.9 18
	h m	° ′			°	m
7 30	23 12.71	+ 0 19.1	2.109	2.939	13.5	21.2
8 9	23 7.86	+ 0 4.8	2.013	2.923	10.5	21.0
8 19	23 1.11	− 0 24.2	1.938	2.907	7.1	20.8
8 29	22 52.97	− 1 5.8	1.890	2.890	3.5	20.5
9 8	22 44.21	− 1 56.2	1.869	2.872	2.4	20.4
9 18	22 35.69	− 2 50.2	1.877	2.854	5.8	20.6
9 28	22 28.33	− 3 42.0	1.911	2.835	9.6	20.8
10 8	22 22.82	− 4 26.6	1.970	2.815	13.0	21.0
339099	2004 RU_{167}		9	2.9	10.°68	1.°3/ 2.4 18
7 30	23 19.53	−12 3.4	1.249	2.133	17.6	19.8
8 9	23 13.74	−11 34.0	1.190	2.134	13.2	19.6
8 19	23 5.00	−11 9.0	1.150	2.137	8.2	19.3
8 29	22 54.28	−10 44.5	1.134	2.141	2.8	19.0
9 8	22 43.00	−10 16.6	1.143	2.146	3.5	19.1
9 18	22 32.68	− 9 42.4	1.177	2.152	8.8	19.4
9 28	22 24.65	− 9 0.5	1.234	2.159	13.6	19.7
10 8	22 19.71	− 8 10.5	1.312	2.167	17.7	20.0
39156	2000 WF_{109}		9	2.9	62.°90	0.°9/ 3.6 18
7 30	23 17.32	− 4 28.1	1.253	2.123	18.4	18.6
8 9	23 11.89	− 4 29.3	1.203	2.139	14.0	18.4
8 19	23 3.74	− 4 46.0	1.174	2.156	8.8	18.1
8 29	22 53.83	− 5 13.6	1.167	2.173	3.3	17.8
9 8	22 43.50	− 5 45.8	1.185	2.189	2.7	17.9
9 18	22 34.15	− 6 15.7	1.228	2.207	7.9	18.2
9 28	22 26.97	− 6 37.7	1.294	2.224	12.7	18.5
10 8	22 22.68	− 6 47.8	1.381	2.241	16.7	18.8
322091	2010 VF_{130}		9	2.9	245.°08	5.°3/ 9.4 18
7 30	23 8.94	+12 2.7	2.527	3.291	13.3	20.7
8 9	23 4.75	+12 10.8	2.430	3.282	11.2	20.5
8 19	22 59.03	+12 1.1	2.355	3.273	8.8	20.3
8 29	22 52.24	+11 33.0	2.304	3.264	6.5	20.2
9 8	22 44.99	+10 48.3	2.279	3.254	5.3	20.1
9 18	22 37.97	+ 9 50.5	2.282	3.245	6.1	20.1
9 28	22 31.89	+ 8 44.7	2.312	3.235	8.2	20.2
10 8	22 27.32	+ 7 37.0	2.368	3.225	10.7	20.4
368863	2006 PC_{23}		9	2.9	334.°70	0.°5/ 3.2 17
7 30	23 13.67	− 7 9.7	1.090	1.981	19.1	19.9
8 9	23 9.98	− 6 46.6	1.018	1.966	14.6	19.6
8 19	23 3.08	− 6 35.5	0.965	1.952	9.3	19.3
8 29	22 53.77	− 6 33.2	0.933	1.940	3.3	18.9
9 8	22 43.43	− 6 34.6	0.923	1.928	3.1	18.9
9 18	22 33.73	− 6 34.0	0.936	1.918	9.2	19.2
9 28	22 26.27	− 6 26.0	0.970	1.909	14.9	19.5
10 8	22 22.13	− 6 7.2	1.023	1.901	19.7	19.7
191575	2003 XP_{25}		9	2.9	265.°60	2.°1/ 5.1 18
7 30	23 9.63	+ 1 18.9	1.946	2.782	14.2	20.6
8 9	23 5.65	+ 0 51.5	1.858	2.772	11.1	20.3
8 19	22 59.76	+ 0 6.8	1.792	2.761	7.5	20.1
8 29	22 52.52	− 0 52.7	1.750	2.750	3.7	19.9
9 8	22 44.71	− 2 2.1	1.736	2.739	2.4	19.8
9 18	22 37.22	− 3 14.9	1.749	2.728	6.0	20.0
9 28	22 30.94	− 4 24.2	1.789	2.717	9.8	20.2
10 8	22 26.57	− 5 24.1	1.853	2.706	13.3	20.4
257386	2009 SN_{122}		9	2.9	266.°13	1.°4/ 5.9 16
7 30	23 2.40	+ 2 14.3	4.691	5.496	7.0	20.8
8 9	22 59.23	+ 1 58.4	4.591	5.484	5.5	20.7
8 19	22 55.32	+ 1 35.3	4.516	5.473	3.8	20.5
8 29	22 50.93	+ 1 6.0	4.468	5.461	2.1	20.4
9 8	22 46.35	+ 0 32.2	4.450	5.450	1.5	20.3
9 18	22 41.89	− 0 4.0	4.462	5.438	2.8	20.4
9 28	22 37.88	− 0 40.6	4.503	5.426	4.5	20.5
10 8	22 34.58	− 1 15.2	4.571	5.414	6.2	20.6
5258	1989 AU_{1}		9	2.9	231.°53	1.°3/ 5.7 18
7 30	23 2.87	+ 1 25.6	4.640	5.448	7.0	17.8
8 9	22 59.56	+ 1 13.3	4.548	5.444	5.5	17.7
8 19	22 55.52	+ 0 54.1	4.481	5.440	3.7	17.6
8 29	22 51.00	+ 0 29.3	4.441	5.436	2.0	17.5
9 8	22 46.30	+ 0 0.3	4.431	5.432	1.4	17.4
9 18	22 41.74	− 0 30.8	4.452	5.427	2.8	17.5
9 28	22 37.64	− 1 2.0	4.501	5.423	4.5	17.6
10 8	22 34.27	− 1 31.2	4.577	5.419	6.2	17.8
13499	Steinberg		9	2.9	344.°52	0.°3/ 2.7 18
7 30	23 7.30	− 6 1.7	1.792	2.662	13.7	17.8
8 9	23 3.99	− 6 31.5	1.715	2.653	10.3	17.6
8 19	22 58.76	− 7 13.4	1.660	2.645	6.4	17.3
8 29	22 52.18	− 8 2.9	1.630	2.637	2.1	17.0
9 8	22 45.09	− 8 54.4	1.626	2.630	2.4	17.0
9 18	22 38.40	− 9 41.7	1.649	2.624	6.7	17.3
9 28	22 33.01	−10 19.4	1.697	2.619	10.7	17.5
10 8	22 29.60	−10 43.8	1.767	2.614	14.2	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
513492	2009 FA_{14}		9	2.9	199.°83	3.°2/29.4 18
	h m	° ′			°	m
7 30	23 11.56	−16 26.8	2.943	3.806	9.2	23.9
8 9	23 6.47	−17 39.7	2.866	3.801	6.8	23.7
8 19	22 59.99	−18 55.4	2.816	3.795	4.5	23.5
8 29	22 52.55	−20 8.8	2.794	3.788	3.2	23.4
9 8	22 44.74	−21 14.7	2.803	3.780	4.3	23.5
9 18	22 37.18	−22 9.1	2.841	3.772	6.6	23.7
9 28	22 30.50	−22 49.2	2.907	3.762	9.0	23.8
10 8	22 25.22	−23 13.9	2.996	3.752	11.2	23.9
451158	2009 SD_{111}		9	2.9	248.°71	0.°0/ 2.8 17
7 30	23 11.30	− 6 26.3	2.820	3.662	10.1	21.9
8 9	23 6.32	− 6 40.1	2.723	3.646	7.6	21.7
8 19	22 59.93	− 7 0.9	2.651	3.629	4.8	21.5
8 29	22 52.54	− 7 26.2	2.606	3.612	1.6	21.3
9 8	22 44.74	− 7 52.8	2.591	3.595	1.6	21.3
9 18	22 37.15	− 8 17.6	2.606	3.577	4.8	21.5
9 28	22 30.42	− 8 37.3	2.649	3.559	7.8	21.6
10 8	22 25.08	− 8 49.8	2.717	3.540	10.5	21.8
504833	2010 NZ_{15}		9	2.9	4.°41	23.°8/21.3 17
7 30	23 31.22	−53 40.6	0.942	1.786	25.2	19.8
8 9	23 24.61	−54 58.3	0.925	1.784	24.2	19.7
8 19	23 12.26	−55 30.4	0.921	1.784	23.8	19.7
8 29	22 56.60	−55 1.0	0.929	1.786	24.0	19.7
9 8	22 41.17	−53 24.3	0.951	1.790	24.7	19.8
9 18	22 28.94	−50 46.3	0.987	1.795	25.9	19.9
9 28	22 21.56	−47 20.9	1.036	1.803	27.3	20.1
10 8	22 19.22	−43 25.0	1.099	1.813	28.7	20.3
412755	2014 OA_{376}		9	2.9	336.°59	1.°6/ 4.4 18
7 30	23 12.67	− 2 33.8	2.181	3.020	12.8	21.0
8 9	23 7.63	− 2 21.6	2.100	3.017	9.8	20.8
8 19	23 0.84	− 2 19.5	2.042	3.014	6.5	20.6
8 29	22 52.86	− 2 25.9	2.010	3.012	3.0	20.4
9 8	22 44.44	− 2 38.0	2.006	3.010	2.1	20.4
9 18	22 36.39	− 2 52.3	2.031	3.008	5.5	20.6
9 28	22 29.53	− 3 5.2	2.082	3.006	8.9	20.8
10 8	22 24.45	− 3 13.4	2.158	3.004	12.0	21.0
342586	2008 UQ_{279}		9	3.0	7.°65	5.°1/ 7.4 18
7 30	23 6.18	+ 6 31.8	1.257	2.106	19.7	20.2
8 9	23 3.77	+ 6 29.8	1.193	2.107	15.9	20.0
8 19	22 58.89	+ 5 59.2	1.147	2.109	11.6	19.7
8 29	22 52.27	+ 5 1.4	1.121	2.112	7.3	19.5
9 8	22 45.03	+ 3 42.3	1.118	2.116	5.1	19.4
9 18	22 38.39	+ 2 11.4	1.139	2.122	7.8	19.6
9 28	22 33.55	+ 0 40.1	1.183	2.128	12.0	19.8
10 8	22 31.27	− 0 41.3	1.248	2.136	16.1	20.1
86365	1999 XH_{207}		9	3.0	210.°08	1.°6/ 4.4 18
7 30	23 16.19	− 1 40.1	1.960	2.795	14.2	20.9
8 9	23 10.52	− 1 45.0	1.874	2.789	10.9	20.7
8 19	23 2.77	− 2 3.0	1.810	2.782	7.2	20.4
8 29	22 53.55	− 2 31.9	1.773	2.775	3.2	20.2
9 8	22 43.73	− 3 7.6	1.763	2.767	2.3	20.1
9 18	22 34.30	− 3 45.3	1.782	2.758	6.2	20.3
9 28	22 26.21	− 4 19.7	1.828	2.749	10.1	20.6
10 8	22 20.21	− 4 46.7	1.897	2.739	13.6	20.8
291913	2006 QL_{15}		9	3.0	319.°80	4.°2/ 6.1 18
7 30	23 12.00	+ 2 54.5	1.684	2.518	16.1	20.1
8 9	23 7.75	+ 3 24.4	1.597	2.504	13.0	19.9
8 19	23 1.25	+ 3 37.6	1.530	2.491	9.3	19.6
8 29	22 53.08	+ 3 34.2	1.486	2.478	5.7	19.4
9 8	22 44.18	+ 3 16.2	1.468	2.465	4.3	19.3
9 18	22 35.61	+ 2 48.0	1.475	2.453	7.0	19.4
9 28	22 28.48	+ 2 15.3	1.508	2.441	10.9	19.6
10 8	22 23.61	+ 1 44.5	1.563	2.430	14.6	19.8
163941	2003 TU_{58}		9	3.0	30.°51	1.°6/ 4.1 18
7 30	23 15.94	− 3 36.7	1.644	2.497	15.6	19.5
8 9	23 10.51	− 3 16.8	1.575	2.500	12.0	19.3
8 19	23 2.80	− 3 8.7	1.528	2.504	7.8	19.1
8 29	22 53.55	− 3 10.5	1.505	2.509	3.4	18.8
9 8	22 43.78	− 3 18.6	1.509	2.513	2.5	18.8
9 18	22 34.63	− 3 28.7	1.540	2.518	6.7	19.0
9 28	22 27.13	− 3 36.6	1.596	2.523	10.9	19.3
10 8	22 22.00	− 3 38.4	1.675	2.528	14.5	19.6
318293	2004 TR_{63}		9	3.0	294.°78	3.°0/31.7 18
7 30	23 14.16	−13 18.6	1.617	2.497	14.5	20.7
8 9	23 9.42	−13 52.1	1.540	2.485	10.8	20.5
8 19	23 2.29	−14 32.0	1.485	2.472	6.8	20.2
8 29	22 53.42	−15 11.9	1.455	2.459	3.3	20.0
9 8	22 43.87	−15 44.8	1.451	2.447	4.7	20.1
9 18	22 34.82	−16 5.0	1.473	2.434	8.9	20.3
9 28	22 27.40	−16 8.8	1.519	2.422	13.0	20.5
10 8	22 22.43	−15 55.1	1.585	2.410	16.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
92018	1999 VW_{162}		9 3.0	136.°63	4.°9/28.6	18
	h m	° ′			°	m
7 30	23 13.64	−22 50.0	2.439	3.310	10.5	19.1
8 9	23 8.16	−23 37.0	2.383	3.316	8.1	19.0
8 19	23 1.05	−24 21.1	2.351	3.321	5.9	18.8
8 29	22 52.90	−24 57.0	2.346	3.326	4.9	18.8
9 8	22 44.47	−25 19.9	2.368	3.332	6.0	18.9
9 18	22 36.53	−25 27.1	2.418	3.336	8.2	19.0
9 28	22 29.83	−25 17.6	2.494	3.341	10.6	19.2
10 8	22 24.87	−24 52.2	2.591	3.346	12.8	19.3
324913	2007 VN_{247}		9 3.0	112.°42	1.°5/ 4.4	17
7 30	23 12.56	+ 0 22.1	1.462	2.315	17.2	21.2
8 9	23 8.19	− 0 22.7	1.399	2.323	13.2	20.9
8 19	23 1.46	− 1 28.8	1.356	2.332	8.6	20.7
8 29	22 53.11	− 2 51.5	1.337	2.340	3.7	20.4
9 8	22 44.25	− 4 22.2	1.344	2.348	2.5	20.4
9 18	22 36.02	− 5 51.6	1.377	2.356	7.2	20.7
9 28	22 29.54	− 7 10.7	1.435	2.364	11.7	21.0
10 8	22 25.52	− 8 13.3	1.516	2.371	15.6	21.2
308995	2006 UY_{36}		9 3.0	311.°30	0.°5/ 3.5	18
7 30	23 10.33	− 4 7.5	1.904	2.760	13.7	21.5
8 9	23 6.16	− 4 28.7	1.824	2.754	10.4	21.3
8 19	23 0.06	− 5 2.3	1.767	2.747	6.6	21.0
8 29	22 52.64	− 5 44.9	1.736	2.741	2.4	20.8
9 8	22 44.69	− 6 31.4	1.731	2.736	2.0	20.7
9 18	22 37.14	− 7 16.3	1.754	2.730	6.2	21.0
9 28	22 30.88	− 7 54.4	1.802	2.724	10.1	21.2
10 8	22 26.57	− 8 21.6	1.874	2.719	13.5	21.4
395077	2009 HR_{33}		9 3.0	3.°54	4.°3/30.1	18
7 30	23 11.94	−16 59.3	1.794	2.678	13.1	20.9
8 9	23 7.42	−17 50.5	1.732	2.677	9.8	20.7
8 19	23 0.85	−18 44.2	1.694	2.677	6.4	20.5
8 29	22 52.88	−19 33.5	1.681	2.678	4.3	20.4
9 8	22 44.48	−20 11.5	1.694	2.678	5.8	20.4
9 18	22 36.64	−20 33.6	1.733	2.679	9.0	20.6
9 28	22 30.31	−20 37.0	1.796	2.681	12.3	20.9
10 8	22 26.13	−20 22.0	1.880	2.682	15.3	21.1
131530	2001 UO_{79}		9 3.0	163.°93	1.°2/ 3.9	17
7 30	23 14.60	− 1 37.1	1.468	2.324	17.0	20.2
8 9	23 9.79	− 2 5.3	1.399	2.327	13.0	19.9
8 19	23 2.51	− 2 52.1	1.351	2.329	8.4	19.7
8 29	22 53.50	− 3 53.2	1.327	2.331	3.4	19.4
9 8	22 43.87	− 5 1.5	1.328	2.333	2.5	19.3
9 18	22 34.84	− 6 8.7	1.356	2.334	7.4	19.6
9 28	22 27.59	− 7 7.1	1.409	2.335	12.1	19.9
10 8	22 22.91	− 7 51.1	1.483	2.336	16.1	20.2
474654	2004 XF_{119}		9 3.0	297.°07	0.°8/ 2.3	18
7 30	23 11.51	− 7 10.6	1.645	2.516	14.7	21.4
8 9	23 7.48	− 7 40.8	1.557	2.496	11.1	21.1
8 19	23 1.15	− 8 23.7	1.490	2.475	6.9	20.8
8 29	22 53.08	− 9 14.6	1.447	2.455	2.3	20.5
9 8	22 44.23	−10 6.9	1.431	2.434	2.9	20.5
9 18	22 35.71	−10 53.8	1.441	2.414	7.7	20.8
9 28	22 28.65	−11 29.1	1.476	2.394	12.2	21.0
10 8	22 23.91	−11 48.9	1.531	2.374	16.2	21.2
146002	2000 CT_{42}		9 3.0	117.°97	3.°1/ 5.8	17
7 30	23 12.21	+ 3 23.5	1.626	2.460	16.6	19.9
8 9	23 7.77	+ 3 4.8	1.557	2.467	13.1	19.7
8 19	23 1.14	+ 2 25.1	1.508	2.473	9.1	19.5
8 29	22 53.01	+ 1 26.9	1.482	2.479	4.9	19.2
9 8	22 44.37	+ 0 16.0	1.483	2.484	3.3	19.2
9 18	22 36.27	− 1 0.1	1.510	2.490	6.6	19.4
9 28	22 29.73	− 2 13.2	1.563	2.495	10.7	19.6
10 8	22 25.47	− 3 16.4	1.639	2.500	14.4	19.9
446626	2015 MZ_{98}		9 3.0	301.°73	1.°6/ 4.5	18
7 30	23 10.30	− 1 10.3	1.850	2.697	14.4	21.3
8 9	23 6.22	− 1 24.6	1.766	2.688	11.1	21.1
8 19	23 0.17	− 1 53.8	1.705	2.679	7.3	20.8
8 29	22 52.71	− 2 35.4	1.668	2.671	3.3	20.6
9 8	22 44.67	− 3 24.6	1.658	2.662	2.2	20.5
9 18	22 37.00	− 4 15.8	1.674	2.653	6.2	20.7
9 28	22 30.63	− 5 2.8	1.717	2.645	10.2	20.9
10 8	22 26.27	− 5 40.6	1.783	2.637	13.7	21.1
289074	2004 TE_{213}		9 3.0	290.°51	1.°0/ 1.9	18
7 30	23 9.67	− 8 22.7	2.210	3.073	11.8	21.1
8 9	23 5.50	− 8 55.4	2.121	3.056	8.8	20.9
8 19	22 59.62	− 9 36.6	2.055	3.039	5.4	20.6
8 29	22 52.51	−10 22.6	2.016	3.023	1.8	20.3
9 8	22 44.89	−11 8.1	2.005	3.006	2.6	20.4
9 18	22 37.55	−11 48.5	2.021	2.990	6.3	20.6
9 28	22 31.29	−12 19.4	2.064	2.973	9.8	20.8
10 8	22 26.74	−12 38.0	2.131	2.957	12.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
479837	2014 GL_3		9 3.0	165.°94	0.°9/ 2.2	18
	h m	° ′			°	m
7 30	23 14.04	− 8 45.5	2.071	2.930	12.6	21.7
8 9	23 8.71	− 9 6.7	1.999	2.932	9.4	21.5
8 19	23 1.54	− 9 35.5	1.951	2.934	5.8	21.2
8 29	22 53.14	−10 7.7	1.929	2.936	1.9	21.0
9 8	22 44.32	−10 38.7	1.935	2.937	2.5	21.0
9 18	22 35.97	−11 4.1	1.970	2.939	6.4	21.3
9 28	22 28.93	−11 20.3	2.031	2.940	9.9	21.5
10 8	22 23.80	−11 25.4	2.115	2.940	13.0	21.7
114332	2002 XX_{64}		9 3.0	284.°83	2.°4/ 4.7	18
7 30	23 13.99	− 0 53.6	1.561	2.412	16.4	19.5
8 9	23 9.39	− 0 46.7	1.478	2.401	12.8	19.2
8 19	23 2.35	− 0 55.9	1.416	2.390	8.6	18.9
8 29	22 53.51	− 1 19.5	1.377	2.379	4.2	18.7
9 8	22 43.90	− 1 53.2	1.364	2.368	2.9	18.5
9 18	22 34.71	− 2 31.3	1.377	2.357	7.1	18.8
9 28	22 27.12	− 3 7.2	1.415	2.346	11.7	19.0
10 8	22 22.01	− 3 35.2	1.475	2.335	15.7	19.2
269000	2007 EL_{113}		9 3.0	357.°32	2.°4/ 1.1	18
7 30	23 10.46	− 9 17.5	1.382	2.269	16.0	20.2
8 9	23 6.84	−10 16.1	1.319	2.267	11.9	19.9
8 19	23 0.75	−11 27.4	1.277	2.266	7.3	19.6
8 29	22 52.94	−12 43.9	1.259	2.265	2.9	19.4
9 8	22 44.52	−13 55.8	1.266	2.265	4.4	19.5
9 18	22 36.72	−14 54.7	1.298	2.265	9.1	19.8
9 28	22 30.71	−15 34.5	1.353	2.266	13.5	20.0
10 8	22 27.26	−15 52.6	1.428	2.267	17.3	20.3
351124	2003 WJ_{80}		9 3.0	320.°20	3.°3/31.3	18
7 30	23 13.53	−14 12.6	1.715	2.594	13.8	20.5
8 9	23 8.74	−14 50.2	1.646	2.590	10.3	20.3
8 19	23 1.76	−15 32.6	1.600	2.586	6.5	20.1
8 29	22 53.25	−16 13.6	1.579	2.582	3.4	19.9
9 8	22 44.23	−16 46.7	1.585	2.578	4.8	20.0
9 18	22 35.75	−17 6.5	1.617	2.575	8.6	20.2
9 28	22 28.85	−17 10.1	1.673	2.571	12.3	20.4
10 8	22 24.22	−16 56.8	1.751	2.568	15.6	20.6
473219	2015 KY_{133}		9 3.0	104.°98	1.°4/ 4.4	18
7 30	23 13.73	− 1 10.8	1.894	2.735	14.4	21.2
8 9	23 8.51	− 1 31.0	1.833	2.751	11.0	21.0
8 19	23 1.42	− 2 5.5	1.794	2.767	7.1	20.8
8 29	22 53.10	− 2 50.7	1.780	2.783	3.1	20.6
9 8	22 44.44	− 3 41.7	1.794	2.798	2.1	20.6
9 18	22 36.35	− 4 32.7	1.836	2.813	5.9	20.8
9 28	22 29.68	− 5 18.3	1.905	2.828	9.6	21.1
10 8	22 25.02	− 5 54.4	1.997	2.842	12.8	21.3
510969	2013 GY_{74}		9 3.0	87.°98	4.°7/28.9	18
7 30	23 12.24	−20 41.1	2.246	3.122	11.1	21.3
8 9	23 7.24	−21 35.0	2.193	3.131	8.4	21.2
8 19	23 0.56	−22 27.6	2.164	3.140	5.9	21.0
8 29	22 52.79	−23 13.1	2.162	3.148	4.7	21.0
9 8	22 44.74	−23 46.0	2.187	3.157	5.9	21.1
9 18	22 37.20	−24 3.1	2.239	3.166	8.3	21.2
9 28	22 30.94	−24 3.0	2.316	3.175	10.9	21.4
10 8	22 26.49	−23 46.1	2.414	3.183	13.2	21.6
46091	2001 ES_{15}		9 3.0	8.°91	5.°9/28.5	18
7 30	23 6.23	−15 50.6	1.299	2.205	15.5	17.3
8 9	23 3.80	−17 37.8	1.250	2.207	11.5	17.1
8 19	22 58.90	−19 31.6	1.222	2.210	7.7	16.9
8 29	22 52.32	−21 19.9	1.218	2.214	5.9	16.8
9 8	22 45.21	−22 50.7	1.239	2.219	8.0	17.0
9 18	22 38.78	−23 55.3	1.282	2.225	11.8	17.2
9 28	22 34.17	−24 29.6	1.347	2.233	15.5	17.4
10 8	22 32.09	−24 34.1	1.430	2.241	18.8	17.7
213078	1999 TG_{131}		9 3.0	47.°40	11.°7/31.4	18
7 30	23 42.47	−34 21.0	1.080	1.944	21.2	19.1
8 9	23 30.57	−34 16.3	1.054	1.971	17.3	19.0
8 19	23 14.89	−33 47.2	1.047	1.998	13.7	18.9
8 29	22 57.42	−32 43.6	1.062	2.026	11.8	18.9
9 8	22 40.63	−31 3.5	1.102	2.055	12.4	19.0
9 18	22 26.56	−28 53.7	1.166	2.084	15.0	19.3
9 28	22 16.46	−26 25.0	1.252	2.114	18.1	19.6
10 8	22 10.63	−23 48.3	1.358	2.143	20.9	19.8
482662	2013 BT_{66}		9 3.0	297.°27	3.°8/ 6.2	18
7 30	23 11.83	+ 3 26.0	1.841	2.668	15.3	21.5
8 9	23 7.45	+ 3 41.0	1.754	2.657	12.2	21.3
8 19	23 1.00	+ 3 39.1	1.687	2.647	8.7	21.0
8 29	22 53.05	+ 3 20.9	1.645	2.636	5.3	20.8
9 8	22 44.46	+ 2 49.2	1.628	2.626	3.9	20.7
9 18	22 36.20	+ 2 8.6	1.639	2.616	6.5	20.9
9 28	22 29.27	+ 1 25.0	1.675	2.606	10.2	21.1
10 8	22 24.40	+ 0 44.6	1.734	2.596	13.7	21.3

450510 2006 AC_{28} 9 3.0 120.°88 3.°4/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.53	− 3 21.8	1.096	1.981	19.5	20.1
8 9	23 8.17	− 6 24.8	1.040	1.989	14.3	19.8
8 19	23 1.84	− 9 59.1	1.006	1.996	8.5	19.5
8 29	22 53.38	−13 46.9	0.997	2.003	3.6	19.2
9 8	22 44.17	−17 24.8	1.015	2.010	6.4	19.4
9 18	22 35.74	−20 31.9	1.060	2.017	12.1	19.8
9 28	22 29.50	−22 55.4	1.127	2.023	17.1	20.1
10 8	22 26.35	−24 32.6	1.213	2.028	21.2	20.4

211815 2004 DC_{72} 9 3.0 264.°70 0.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.44	− 1 38.5	1.993	2.842	13.4	20.8
8 9	23 4.72	− 2 35.8	1.909	2.834	10.2	20.6
8 19	22 59.21	− 3 49.5	1.848	2.826	6.5	20.4
8 29	22 52.42	− 5 15.3	1.813	2.818	2.4	20.1
9 8	22 45.11	− 6 46.5	1.805	2.810	2.0	20.1
9 18	22 38.13	− 8 15.7	1.826	2.801	6.1	20.3
9 28	22 32.33	− 9 35.9	1.873	2.793	10.0	20.5
10 8	22 28.34	−10 41.9	1.945	2.785	13.3	20.7

483301 2015 UM_{38} 9 3.0 248.°60 1.°1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.90	− 0 31.3	2.359	3.195	12.0	21.2
8 9	23 4.03	− 1 9.3	2.274	3.190	9.2	21.0
8 19	22 58.64	− 2 0.8	2.213	3.185	6.0	20.8
8 29	22 52.20	− 3 2.8	2.178	3.180	2.6	20.6
9 8	22 45.35	− 4 10.7	2.171	3.175	1.8	20.5
9 18	22 38.80	− 5 19.2	2.193	3.170	5.1	20.7
9 28	22 33.24	− 6 22.8	2.242	3.165	8.4	20.9
10 8	22 29.22	− 7 17.1	2.316	3.159	11.4	21.1

412679 2014 OO_{222} 9 3.0 218.°26 4.°4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.59	−19 54.1	2.399	3.275	10.5	20.8
8 9	23 6.03	−20 54.4	2.334	3.273	7.9	20.7
8 19	22 59.85	−21 54.9	2.294	3.271	5.5	20.5
8 29	22 52.60	−22 49.6	2.281	3.268	4.4	20.5
9 8	22 44.98	−23 33.3	2.295	3.266	5.6	20.5
9 18	22 37.75	−24 2.0	2.337	3.264	8.1	20.7
9 28	22 31.64	−24 13.7	2.404	3.261	10.6	20.8
10 8	22 27.21	−24 8.3	2.492	3.258	12.9	21.0

117935 4863 *P–L* 9 3.0 310.°30 1.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.12	− 2 2.1	1.626	2.487	15.4	19.6
8 9	23 5.65	− 2 33.3	1.543	2.473	11.8	19.3
8 19	22 59.99	− 3 22.1	1.481	2.460	7.7	19.1
8 29	22 52.73	− 4 24.8	1.443	2.448	3.1	18.7
9 8	22 44.80	− 5 34.9	1.430	2.435	2.3	18.7
9 18	22 37.24	− 6 44.8	1.444	2.423	7.0	18.9
9 28	22 31.11	− 7 46.9	1.483	2.411	11.4	19.2
10 8	22 27.20	− 8 35.2	1.544	2.400	15.4	19.4

337124 1999 TB_{49} 9 3.0 176.°31 4.°9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.49	−20 52.2	2.112	2.982	12.0	21.0
8 9	23 11.30	−21 35.7	2.049	2.984	9.1	20.8
8 19	23 3.16	−22 17.7	2.010	2.985	6.4	20.7
8 29	22 53.72	−22 51.9	1.998	2.986	4.9	20.6
9 8	22 43.91	−23 12.8	2.013	2.986	6.1	20.7
9 18	22 34.66	−23 17.1	2.056	2.986	8.8	20.8
9 28	22 26.88	−23 3.6	2.124	2.986	11.6	21.0
10 8	22 21.18	−22 33.4	2.214	2.985	14.2	21.2

108652 2001 NR_{16} 9 3.0 31.°39 2.°9/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.49	−12 40.1	1.722	2.603	13.7	19.2
8 9	23 7.14	−13 28.5	1.662	2.607	10.1	19.0
8 19	23 0.72	−14 23.3	1.624	2.611	6.3	18.8
8 29	22 52.92	−15 18.0	1.612	2.616	3.1	18.6
9 8	22 44.70	−16 5.5	1.626	2.621	4.5	18.7
9 18	22 37.06	−16 40.4	1.667	2.626	8.2	19.0
9 28	22 30.92	−16 59.0	1.732	2.631	11.8	19.2
10 8	22 26.95	−17 0.1	1.818	2.637	15.0	19.4

94453 2001 TD_{106} 9 3.0 302.°21 4.°2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.65	−13 21.2	1.204	2.101	17.2	19.1
8 9	23 9.89	−14 12.4	1.129	2.082	13.0	18.8
8 19	23 3.06	−15 13.9	1.074	2.064	8.2	18.5
8 29	22 53.88	−16 16.9	1.042	2.046	4.4	18.2
9 8	22 43.67	−17 10.6	1.033	2.028	6.3	18.3
9 18	22 33.99	−17 45.8	1.047	2.010	11.3	18.5
9 28	22 26.40	−17 56.8	1.082	1.993	16.4	18.7
10 8	22 21.96	−17 42.5	1.135	1.976	20.7	19.0

193631 2001 CA_{37} 9 3.0 255.°58 0.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.14	− 5 19.6	2.089	2.937	12.9	21.7
8 9	23 9.02	− 5 38.1	1.992	2.918	9.8	21.5
8 19	23 1.93	− 6 7.3	1.919	2.898	6.2	21.2
8 29	22 53.39	− 6 44.2	1.871	2.877	2.2	20.9
9 8	22 44.18	− 7 24.0	1.852	2.856	2.1	20.9
9 18	22 35.23	− 8 1.9	1.861	2.835	6.2	21.1
9 28	22 27.47	− 8 33.2	1.898	2.813	10.1	21.3
10 8	22 21.62	− 8 54.3	1.957	2.790	13.6	21.5

116022 2003 WM_{87} 9 3.0 231.°73 6.°6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.85	−25 56.1	2.339	3.212	10.8	19.8
8 9	23 7.96	−27 30.9	2.272	3.200	8.7	19.6
8 19	23 1.20	−29 3.0	2.230	3.188	7.0	19.5
8 29	22 53.12	−30 24.7	2.215	3.175	6.8	19.4
9 8	22 44.50	−31 29.0	2.227	3.162	8.1	19.5
9 18	22 36.23	−32 11.4	2.265	3.148	10.3	19.6
9 28	22 29.18	−32 30.0	2.326	3.134	12.6	19.8
10 8	22 24.00	−32 26.0	2.407	3.119	14.7	19.9

321694 2010 EB_{121} 9 3.0 111.°80 0.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.48	− 4 46.2	1.853	2.711	13.9	21.0
8 9	23 7.01	− 5 20.1	1.784	2.714	10.5	20.8
8 19	23 0.62	− 6 6.5	1.736	2.718	6.5	20.6
8 29	22 52.90	− 7 1.1	1.715	2.721	2.2	20.3
9 8	22 44.74	− 7 57.9	1.720	2.724	2.2	20.3
9 18	22 37.06	− 8 50.9	1.753	2.727	6.4	20.6
9 28	22 30.75	− 9 34.6	1.812	2.731	10.3	20.8
10 8	22 26.44	−10 5.5	1.894	2.734	13.7	21.1

160619 1999 TH_{106} 9 3.0 29.°35 8.°0/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.64	+12 9.5	1.334	2.147	20.7	18.6
8 9	23 6.24	+12 43.6	1.278	2.159	17.4	18.4
8 19	23 0.39	+12 47.6	1.238	2.172	13.7	18.2
8 29	22 52.86	+12 20.1	1.218	2.186	10.1	18.1
9 8	22 44.80	+11 24.4	1.220	2.201	8.1	18.0
9 18	22 37.44	+10 7.9	1.246	2.217	9.0	18.1
9 28	22 31.89	+ 8 41.1	1.295	2.233	11.9	18.3
10 8	22 28.90	+ 7 15.2	1.366	2.250	15.2	18.6

365983 2012 BN_{73} 9 3.0 134.°27 4.°4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.47	−19 57.0	2.783	3.655	9.3	21.4
8 9	23 4.99	−21 34.2	2.730	3.666	7.1	21.2
8 19	22 59.14	−23 11.5	2.704	3.677	5.1	21.1
8 29	22 52.37	−24 42.8	2.707	3.687	4.4	21.1
9 8	22 45.29	−26 2.3	2.739	3.697	5.6	21.2
9 18	22 38.55	−27 5.9	2.799	3.707	7.7	21.3
9 28	22 32.75	−27 51.3	2.886	3.716	9.8	21.5
10 8	22 28.39	−28 18.2	2.994	3.725	11.7	21.7

316629 2011 WR_{113} 9 3.0 316.°05 2.°1/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.75	+ 4 30.3	4.172	4.966	8.0	19.9
8 9	23 0.34	+ 4 25.7	4.080	4.963	6.4	19.8
8 19	22 56.10	+ 4 12.6	4.012	4.960	4.6	19.7
8 29	22 51.32	+ 3 51.8	3.972	4.957	2.9	19.6
9 8	22 46.33	+ 3 25.0	3.960	4.954	2.1	19.5
9 18	22 41.50	+ 2 54.2	3.978	4.951	3.2	19.6
9 28	22 37.18	+ 2 21.8	4.024	4.949	5.0	19.7
10 8	22 33.70	+ 1 50.2	4.098	4.946	6.7	19.8

417938 2007 RK_{325} 9 3.0 46.°36 6.°7/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.33	−19 5.8	0.997	1.901	19.3	19.8
8 9	23 13.81	−19 56.9	0.969	1.923	14.4	19.6
8 19	23 5.05	−20 46.4	0.960	1.946	9.7	19.4
8 29	22 54.36	−21 22.8	0.972	1.969	6.8	19.3
9 8	22 43.51	−21 37.4	1.007	1.993	8.4	19.5
9 18	22 34.17	−21 26.3	1.064	2.018	12.5	19.8
9 28	22 27.60	−20 50.6	1.142	2.043	16.5	20.1
10 8	22 24.38	−19 54.2	1.237	2.068	20.0	20.4

161438 2003 WY_{170} 9 3.0 4.°74 1.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.32	− 4 6.7	1.240	2.131	17.2	18.7
8 9	23 1.68	− 5 41.6	1.181	2.131	12.8	18.5
8 19	22 57.66	− 7 39.1	1.142	2.131	7.8	18.2
8 29	22 51.97	− 9 49.6	1.126	2.133	2.5	17.9
9 8	22 45.69	−11 59.7	1.135	2.137	3.8	18.0
9 18	22 40.01	−13 56.4	1.168	2.142	9.1	18.3
9 28	22 36.05	−15 29.5	1.225	2.148	13.8	18.6
10 8	22 34.56	−16 33.7	1.301	2.155	17.8	18.9

78333 2002 PR_{85} 9 3.0 26.°53 7.°3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.99	+13 20.1	1.429	2.233	20.0	18.3
8 9	23 4.14	+13 23.1	1.367	2.243	16.7	18.1
8 19	22 59.05	+12 54.8	1.322	2.254	13.1	17.9
8 29	22 52.41	+11 54.7	1.298	2.266	9.6	17.8
9 8	22 45.27	+10 27.7	1.296	2.279	7.4	17.7
9 18	22 38.74	+ 8 42.3	1.319	2.293	8.3	17.8
9 28	22 33.85	+ 6 49.9	1.366	2.307	11.2	18.0
10 8	22 31.30	+ 5 2.0	1.436	2.322	14.6	18.2

424425 2008 BZ_{19} 9 3.0 270.°35 0.°5/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.92	− 3 45.6	1.518	2.380	16.2	22.1
8 9	23 9.53	− 4 8.9	1.430	2.362	12.5	21.8
8 19	23 2.58	− 4 48.9	1.363	2.344	8.0	21.5
8 29	22 53.70	− 5 41.7	1.320	2.326	3.0	21.1
9 8	22 43.92	− 6 40.8	1.303	2.308	2.5	21.1
9 18	22 34.49	− 7 38.5	1.312	2.289	7.8	21.3
9 28	22 26.67	− 8 27.3	1.345	2.270	12.7	21.6
10 8	22 21.41	− 9 1.7	1.399	2.250	16.9	21.8

121760 1999 YY_4 9 3.0 288.°26 1.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.68	−10 0.9	2.225	3.091	11.6	19.7
8 9	23 5.50	−10 39.6	2.143	3.080	8.6	19.5
8 19	22 59.64	−11 25.6	2.085	3.070	5.3	19.3
8 29	22 52.60	−12 14.7	2.053	3.059	2.0	19.0
9 8	22 45.11	−13 1.4	2.050	3.049	3.0	19.1
9 18	22 37.94	−13 41.2	2.074	3.038	6.5	19.3
9 28	22 31.87	−14 9.9	2.125	3.028	9.8	19.5
10 8	22 27.49	−14 25.4	2.198	3.018	12.7	19.7

392737 2012 RO_{30} 9 3.0 302.°34 0.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.94	− 6 35.3	1.547	2.416	15.6	20.8
8 9	23 9.62	− 6 41.4	1.451	2.387	12.0	20.5
8 19	23 2.72	− 6 59.5	1.375	2.359	7.6	20.2
8 29	22 53.79	− 7 26.3	1.324	2.330	2.6	19.8
9 8	22 43.86	− 7 56.1	1.298	2.302	2.7	19.8
9 18	22 34.15	− 8 23.1	1.297	2.274	7.9	20.0
9 28	22 25.99	− 8 41.4	1.321	2.246	12.9	20.2
10 8	22 20.37	− 8 47.0	1.366	2.218	17.3	20.4

399553 2003 RG_{27} 9 3.0 328.°41 3.°5/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.92	−11 32.7	1.723	2.612	13.3	20.0
8 9	23 2.51	−13 2.7	1.636	2.587	9.8	19.8
8 19	22 58.08	−14 45.4	1.573	2.562	6.2	19.5
8 29	22 52.14	−16 32.9	1.536	2.539	3.5	19.3
9 8	22 45.52	−18 15.4	1.525	2.516	5.4	19.4
9 18	22 39.17	−19 43.8	1.540	2.493	9.3	19.5
9 28	22 34.11	−20 51.0	1.579	2.472	13.2	19.7
10 8	22 31.11	−21 33.5	1.638	2.452	16.6	19.9

482407 2012 BS_{68} 9 3.0 59.°08 7.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.20	+14 50.4	2.180	2.920	15.8	20.3
8 9	23 11.83	+16 8.9	2.112	2.937	13.6	20.1
8 19	23 3.54	+17 8.0	2.064	2.954	11.2	20.0
8 29	22 53.93	+17 45.0	2.040	2.972	9.1	19.9
9 8	22 43.84	+17 59.3	2.043	2.989	8.0	19.9
9 18	22 34.22	+17 52.9	2.071	3.007	8.4	20.0
9 28	22 25.93	+17 30.5	2.126	3.025	10.0	20.1
10 8	22 19.65	+16 58.3	2.205	3.043	12.1	20.3

480632 2015 NS_7 9 3.1 320.°83 2.°9/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.82	+ 2 0.9	1.842	2.676	15.0	21.1
8 9	23 6.63	+ 1 58.9	1.762	2.673	11.8	20.9
8 19	23 0.47	+ 1 40.1	1.703	2.669	8.2	20.7
8 29	22 52.91	+ 1 6.1	1.669	2.665	4.5	20.4
9 8	22 44.82	+ 0 20.9	1.660	2.662	3.1	20.3
9 18	22 37.11	− 0 30.0	1.679	2.658	6.1	20.5
9 28	22 30.73	− 1 20.3	1.724	2.655	9.9	20.7
10 8	22 26.37	− 2 4.4	1.792	2.652	13.4	21.0

288182 2003 WS_{193} 9 3.1 265.°11 0.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.45	− 2 35.1	1.569	2.428	16.0	21.3
8 9	23 8.32	− 3 10.6	1.483	2.413	12.3	21.0
8 19	23 1.77	− 4 4.5	1.417	2.397	7.9	20.7
8 29	22 53.43	− 5 12.6	1.376	2.382	3.0	20.4
9 8	22 44.27	− 6 27.9	1.361	2.365	2.4	20.3
9 18	22 35.47	− 7 42.0	1.372	2.349	7.5	20.6
9 28	22 28.20	− 8 46.8	1.408	2.333	12.2	20.8
10 8	22 23.36	− 9 36.3	1.465	2.316	16.4	21.0

511087 2013 TJ_{108} 9 3.1 268.°21 1.°6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.31	− 8 34.3	1.627	2.499	14.8	22.0
8 9	23 8.89	− 9 19.0	1.543	2.483	11.1	21.7
8 19	23 2.09	−10 16.1	1.481	2.467	6.9	21.4
8 29	22 53.53	−11 19.7	1.444	2.450	2.5	21.1
9 8	22 44.20	−12 22.1	1.433	2.434	3.6	21.2
9 18	22 35.24	−13 16.0	1.448	2.417	8.2	21.4
9 28	22 27.81	−13 55.0	1.489	2.399	12.7	21.6
10 8	22 22.78	−14 16.0	1.550	2.382	16.5	21.8

267599 2002 RY_{59} 9 3.1 322.°17 3.°9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.33	+ 1 9.8	1.199	2.067	19.2	20.3
8 9	23 6.65	+ 1 28.5	1.114	2.044	15.4	20.0
8 19	23 1.11	+ 1 25.4	1.047	2.022	10.8	19.7
8 29	22 53.30	+ 1 0.6	1.001	2.000	5.9	19.4
9 8	22 44.38	+ 0 18.1	0.977	1.979	4.2	19.2
9 18	22 35.78	− 0 34.9	0.976	1.960	8.5	19.4
9 28	22 29.03	− 1 28.8	0.997	1.941	13.8	19.6
10 8	22 25.25	− 2 14.6	1.036	1.924	18.7	19.9

28123 1998 SM_{74} 9 3.1 264.°34 1.°3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.92	− 7 41.5	1.688	2.556	14.5	18.6
8 9	23 8.53	− 8 28.5	1.601	2.540	10.9	18.3
8 19	23 1.84	− 9 28.6	1.537	2.523	6.7	18.0
8 29	22 53.45	−10 36.2	1.499	2.506	2.3	17.7
9 8	22 44.30	−11 43.8	1.487	2.488	3.3	17.8
9 18	22 35.50	−12 43.9	1.501	2.470	7.9	18.0
9 28	22 28.16	−13 30.0	1.541	2.452	12.3	18.2
10 8	22 23.11	−13 58.5	1.602	2.434	16.1	18.4

293358 2007 DT_{115} 9 3.1 352.°00 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.21	− 5 52.3	1.305	2.183	17.4	20.2
8 9	23 9.10	− 5 51.5	1.238	2.179	13.2	19.9
8 19	23 2.30	− 6 4.3	1.191	2.176	8.3	19.6
8 29	22 53.61	− 6 26.8	1.167	2.173	3.0	19.3
9 8	22 44.21	− 6 52.9	1.166	2.171	2.6	19.3
9 18	22 35.47	− 7 16.5	1.191	2.170	8.0	19.6
9 28	22 28.66	− 7 31.8	1.238	2.169	12.9	19.9
10 8	22 24.60	− 7 34.8	1.306	2.170	17.1	20.2

11735 1998 KN_{56} 9 3.1 10.°04 0.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.96	− 7 20.3	1.742	2.612	14.1	17.9
8 9	23 6.75	− 7 36.7	1.676	2.613	10.6	17.7
8 19	23 0.52	− 8 3.1	1.631	2.615	6.5	17.4
8 29	22 52.93	− 8 35.2	1.611	2.618	2.2	17.2
9 8	22 44.89	− 9 7.7	1.618	2.622	2.5	17.2
9 18	22 37.38	− 9 35.5	1.651	2.625	6.8	17.5
9 28	22 31.31	− 9 54.3	1.709	2.630	10.7	17.7
10 8	22 27.34	−10 1.2	1.790	2.635	14.1	18.0

508729 2017 UH_{28} 9 3.1 125.°80 0.°2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.10	− 3 7.3	1.338	2.207	17.6	21.5
8 9	23 8.92	− 3 53.1	1.274	2.210	13.3	21.2
8 19	23 2.14	− 4 58.6	1.230	2.212	8.4	21.0
8 29	22 53.54	− 6 17.6	1.208	2.215	2.9	20.6
9 8	22 44.29	− 7 41.1	1.213	2.217	2.7	20.6
9 18	22 35.70	− 8 59.3	1.242	2.219	8.1	21.0
9 28	22 28.99	−10 3.6	1.295	2.221	13.0	21.3
10 8	22 24.96	−10 48.9	1.369	2.223	17.1	21.5

10755 1990 RO_6 9 3.1 33.°83 0.°2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.14	− 6 17.5	1.834	2.697	13.8	17.8
8 9	23 6.77	− 6 41.1	1.768	2.703	10.3	17.6
8 19	23 0.49	− 7 15.3	1.725	2.708	6.4	17.3
8 29	22 52.91	− 7 56.0	1.707	2.714	2.1	17.1
9 8	22 44.93	− 8 37.7	1.716	2.720	2.3	17.1
9 18	22 37.45	− 9 15.0	1.752	2.726	6.5	17.4
9 28	22 31.36	− 9 43.5	1.813	2.732	10.3	17.6
10 8	22 27.28	−10 0.1	1.897	2.739	13.6	17.9

344038 2012 PH_4 9 3.1 285.°76 1.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.42	− 1 22.9	1.679	2.531	15.4	21.2
8 9	23 7.41	− 1 41.7	1.590	2.514	11.9	20.9
8 19	23 1.16	− 2 17.4	1.521	2.497	7.9	20.7
8 29	22 53.23	− 3 7.2	1.477	2.480	3.4	20.4
9 8	22 44.55	− 4 5.8	1.459	2.463	2.3	20.2
9 18	22 36.18	− 5 6.3	1.467	2.446	6.9	20.5
9 28	22 29.22	− 6 1.5	1.500	2.429	11.3	20.7
10 8	22 24.51	− 6 45.5	1.556	2.412	15.3	20.9

25728 2000 AU_{187} 9 3.1 277.°58 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.16	− 2 5.5	1.873	2.725	14.0	19.3
8 9	23 5.50	− 3 2.2	1.780	2.707	10.7	19.1
8 19	22 59.87	− 4 16.6	1.710	2.689	6.8	18.8
8 29	22 52.77	− 5 44.5	1.665	2.671	2.5	18.5
9 8	22 45.01	− 7 18.9	1.648	2.652	2.1	18.5
9 18	22 37.52	− 8 51.7	1.659	2.634	6.6	18.7
9 28	22 31.25	−10 14.9	1.695	2.615	10.8	18.9
10 8	22 26.94	−11 22.7	1.755	2.596	14.5	19.1

521622 2015 PK_{321} 9 3.1 142.°54 1.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.26	− 9 50.0	2.224	3.080	12.0	21.6
8 9	23 9.52	−10 0.6	2.154	3.085	8.9	21.4
8 19	23 2.05	−10 16.8	2.107	3.089	5.5	21.2
8 29	22 53.43	−10 35.1	2.087	3.094	1.9	21.0
9 8	22 44.46	−10 51.6	2.097	3.098	2.4	21.0
9 18	22 35.96	−11 2.8	2.135	3.102	6.0	21.3
9 28	22 28.72	−11 6.1	2.200	3.106	9.4	21.5
10 8	22 23.30	−10 59.9	2.289	3.110	12.2	21.7

118299 1998 SD_{148} 9 3.1 272.°98 2.°4/ 4.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.50	− 0 0.5	1.638	2.483	16.0	20.3
8 9	23 9.06	− 0 4.7	1.547	2.466	12.6	20.1
8 19	23 2.24	− 0 26.4	1.477	2.449	8.5	19.8
8 29	22 53.63	− 1 3.7	1.430	2.431	4.2	19.5
9 8	22 44.18	− 1 52.0	1.410	2.413	2.8	19.4
9 18	22 35.04	− 2 45.0	1.415	2.395	7.0	19.6
9 28	22 27.38	− 3 35.7	1.446	2.377	11.5	19.8
10 8	22 22.08	− 4 17.6	1.500	2.358	15.6	20.0

177940 2005 UC_{144} 9 3.1 223.°96 1.°1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.65	−10 45.7	3.668	4.522	7.7	21.7
8 9	23 2.62	−11 16.8	3.583	4.515	5.7	21.5
8 19	22 57.59	−11 51.6	3.525	4.508	3.5	21.3
8 29	22 51.90	−12 27.6	3.494	4.500	1.4	21.2
9 8	22 45.96	−13 1.9	3.494	4.492	2.0	21.2
9 18	22 40.21	−13 32.0	3.523	4.484	4.3	21.4
9 28	22 35.09	−13 55.5	3.580	4.475	6.5	21.5
10 8	22 30.98	−14 10.9	3.663	4.466	8.4	21.7

403903 2011 YV_{24} 9 3.1 114.°34 4.°3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.21	−18 41.6	2.350	3.227	10.7	20.9
8 9	23 5.76	−19 52.8	2.294	3.234	8.0	20.7
8 19	22 59.72	−21 4.8	2.262	3.241	5.5	20.6
8 29	22 52.65	−22 11.4	2.258	3.248	4.3	20.5
9 8	22 45.24	−23 7.0	2.282	3.254	5.5	20.6
9 18	22 38.26	−23 47.2	2.333	3.261	8.0	20.8
9 28	22 32.43	−24 9.8	2.409	3.267	10.6	20.9
10 8	22 28.25	−24 14.7	2.507	3.274	12.8	21.1

38929 2000 SH_{227} 9 3.1 265.°26 0.°0/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.54	− 2 40.4	1.833	2.688	14.2	18.9
8 9	23 5.80	− 3 44.6	1.745	2.674	10.8	18.6
8 19	23 0.06	− 5 6.7	1.680	2.661	6.8	18.4
8 29	22 52.85	− 6 41.6	1.641	2.647	2.3	18.1
9 8	22 45.00	− 8 21.7	1.629	2.633	2.3	18.0
9 18	22 37.46	− 9 58.5	1.645	2.618	6.8	18.3
9 28	22 31.19	−11 23.8	1.687	2.604	11.0	18.5
10 8	22 26.94	−12 32.1	1.752	2.589	14.7	18.7

101360 1998 UH 9 3.1 356.°39 9.°8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.01	+ 4 14.5	1.276	2.106	20.5	17.4
8 9	23 16.90	+ 7 5.2	1.200	2.096	17.2	17.1
8 19	23 7.49	+ 9 46.4	1.144	2.088	13.6	16.9
8 29	22 55.52	+12 9.1	1.112	2.082	10.7	16.7
9 8	22 42.35	+14 5.8	1.105	2.078	9.9	16.6
9 18	22 29.67	+15 32.1	1.122	2.077	11.8	16.8
9 28	22 19.17	+16 29.9	1.163	2.078	15.1	17.0
10 8	22 12.01	+17 6.2	1.224	2.081	18.5	17.2

218171 2002 ST_{38} 9 3.1 2.°75 0.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.27	− 5 41.2	1.208	2.096	17.8	19.6
8 9	23 6.27	− 6 30.5	1.148	2.095	13.4	19.4
8 19	23 0.60	− 7 38.1	1.107	2.095	8.2	19.1
8 29	22 53.06	− 8 56.8	1.088	2.095	2.7	18.8
9 8	22 44.85	−10 16.3	1.093	2.097	3.4	18.8
9 18	22 37.32	−11 26.6	1.122	2.098	8.9	19.2
9 28	22 31.72	−12 19.5	1.173	2.101	13.9	19.5
10 8	22 28.88	−12 50.6	1.244	2.104	18.1	19.7

288135 2003 WZ_{93} 9 3.1 257.°83 2.°2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.10	− 0 19.8	1.660	2.503	16.0	21.5
8 9	23 10.25	− 0 23.3	1.568	2.486	12.5	21.2
8 19	23 2.99	− 0 43.7	1.497	2.469	8.4	20.9
8 29	22 53.90	− 1 19.0	1.450	2.451	4.1	20.6
9 8	22 43.96	− 2 4.9	1.430	2.433	2.8	20.5
9 18	22 34.31	− 2 55.1	1.436	2.415	7.0	20.7
9 28	22 26.16	− 3 42.8	1.468	2.396	11.6	20.9
10 8	22 20.40	− 4 21.8	1.522	2.376	15.6	21.1

347168 2011 FU_{32} 9 3.1 34.°62 5.°0/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.77	+ 9 37.2	1.346	2.175	19.7	20.4
8 9	23 4.05	+ 8 58.4	1.289	2.188	16.0	20.2
8 19	22 59.02	+ 7 47.7	1.249	2.203	11.7	20.0
8 29	22 52.47	+ 6 8.3	1.232	2.219	7.4	19.8
9 8	22 45.45	+ 4 8.3	1.238	2.235	5.0	19.7
9 18	22 39.11	+ 1 59.5	1.270	2.252	7.2	19.9
9 28	22 34.47	− 0 5.5	1.327	2.270	11.2	20.2
10 8	22 32.20	− 1 55.8	1.406	2.288	15.0	20.5

487982 2015 TS_{319} 9 3.1 336.°59 1.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.46	− 8 42.1	1.777	2.651	13.7	21.6
8 9	23 5.73	− 9 11.0	1.701	2.642	10.2	21.3
8 19	22 59.97	− 9 49.5	1.646	2.632	6.3	21.1
8 29	22 52.80	−10 33.0	1.617	2.624	2.2	20.8
9 8	22 45.09	−11 15.5	1.614	2.615	3.0	20.8
9 18	22 37.79	−11 51.3	1.637	2.608	7.2	21.1
9 28	22 31.86	−12 15.7	1.685	2.601	11.1	21.3
10 8	22 27.97	−12 25.9	1.755	2.595	14.6	21.5

96527 1998 RQ_{45} 9 3.1 311.°26 3.°9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.85	+10 21.4	2.094	2.888	14.8	19.0
8 9	23 2.84	+ 9 21.3	1.993	2.872	12.1	18.8
8 19	22 58.12	+ 7 55.1	1.913	2.856	9.0	18.6
8 29	22 52.18	+ 6 4.5	1.857	2.841	5.7	18.4
9 8	22 45.70	+ 3 54.9	1.830	2.826	3.9	18.2
9 18	22 39.46	+ 1 34.5	1.832	2.811	5.7	18.3
9 28	22 34.29	− 0 46.5	1.862	2.796	9.1	18.5
10 8	22 30.82	− 2 58.8	1.918	2.782	12.5	18.7

276815 2004 PY_{57} 9 3.1 31.°10 1.°9/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.24	− 0 59.5	1.300	2.167	18.1	20.1
8 9	23 7.46	− 1 10.7	1.244	2.176	13.9	19.9
8 19	23 1.18	− 1 41.5	1.208	2.186	9.1	19.6
8 29	22 53.22	− 2 28.0	1.194	2.197	4.1	19.4
9 8	22 44.76	− 3 23.3	1.205	2.209	2.7	19.3
9 18	22 37.04	− 4 19.4	1.240	2.221	7.4	19.6
9 28	22 31.20	− 5 8.5	1.298	2.234	12.0	19.9
10 8	22 27.96	− 5 44.7	1.378	2.248	16.0	20.2

46093 2001 EL_{17} 9 3.1 273.°21 3.°1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.63	− 8 56.4	1.920	2.791	13.0	18.1
8 9	23 5.92	−11 4.9	1.829	2.771	9.6	17.9
8 19	23 0.19	−13 30.1	1.764	2.750	5.9	17.6
8 29	22 52.93	−16 3.1	1.727	2.729	3.2	17.4
9 8	22 44.94	−18 32.6	1.719	2.708	5.1	17.5
9 18	22 37.15	−20 47.7	1.741	2.687	9.0	17.7
9 28	22 30.54	−22 39.9	1.789	2.665	12.8	17.8
10 8	22 25.92	−24 4.8	1.859	2.643	16.1	18.0

135962 2002 TC_{261} 9 3.1 321.°60 10.°2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.31	−30 12.7	1.557	2.445	14.5	19.0
8 9	23 9.24	−31 42.7	1.495	2.425	12.1	18.8
8 19	23 2.46	−33 4.9	1.454	2.406	10.5	18.7
8 29	22 53.72	−34 7.8	1.436	2.388	10.4	18.6
9 8	22 44.23	−34 42.3	1.441	2.370	12.1	18.7
9 18	22 35.35	−34 43.2	1.467	2.353	14.7	18.8
9 28	22 28.40	−34 10.3	1.514	2.337	17.5	19.0
10 8	22 24.22	−33 7.8	1.577	2.321	20.1	19.1

354362 2003 KT_1 9 3.1 40.°46 3.°6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.51	−13 11.1	1.761	2.646	13.2	20.0
8 9	23 4.86	−14 36.3	1.713	2.661	9.7	19.8
8 19	22 59.32	−16 7.5	1.690	2.676	6.1	19.7
8 29	22 52.55	−17 36.6	1.692	2.693	3.7	19.5
9 8	22 45.45	−18 55.2	1.721	2.709	5.2	19.7
9 18	22 38.92	−19 57.2	1.776	2.726	8.6	19.9
9 28	22 33.82	−20 38.6	1.856	2.743	11.9	20.2
10 8	22 30.71	−20 58.8	1.957	2.761	14.7	20.4

154394 2003 AC_{30} 9 3.1 275.°46 1.°7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.96	− 8 40.7	1.633	2.505	14.7	20.1
8 9	23 8.66	− 9 25.4	1.548	2.488	11.1	19.8
8 19	23 2.00	−10 22.4	1.484	2.470	6.8	19.5
8 29	22 53.58	−11 25.8	1.446	2.452	2.5	19.2
9 8	22 44.37	−12 28.2	1.433	2.434	3.6	19.3
9 18	22 35.51	−13 22.0	1.447	2.416	8.2	19.5
9 28	22 28.17	−14 1.0	1.486	2.397	12.7	19.7
10 8	22 23.20	−14 21.9	1.546	2.379	16.5	19.9

59049 1998 TC_{31} 9 3.1 274.°38 4.°7/13.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.21	+20 40.7	4.531	5.206	9.0	19.2
8 9	22 59.99	+20 44.0	4.426	5.197	7.9	19.1
8 19	22 55.96	+20 34.5	4.341	5.188	6.7	19.0
8 29	22 51.37	+20 11.9	4.279	5.178	5.6	18.9
9 8	22 46.57	+19 36.8	4.243	5.169	4.9	18.8
9 18	22 41.89	+18 51.0	4.235	5.160	4.8	18.8
9 28	22 37.71	+17 56.7	4.254	5.151	5.5	18.8
10 8	22 34.32	+16 57.4	4.300	5.141	6.6	18.9

10136 Gauguin 9 3.1 113.°26 3.°0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.95	−10 20.9	1.439	2.318	15.9	17.6
8 9	23 10.08	−11 34.5	1.385	2.330	11.8	17.4
8 19	23 2.75	−12 58.7	1.353	2.341	7.2	17.1
8 29	22 53.77	−14 24.9	1.346	2.351	3.3	16.9
9 8	22 44.31	−15 43.1	1.365	2.361	4.8	17.1
9 18	22 35.60	−16 45.1	1.410	2.371	9.2	17.3
9 28	22 28.76	−17 26.0	1.479	2.381	13.4	17.6
10 8	22 24.51	−17 44.3	1.568	2.390	16.9	17.9

173725 2001 QE_{204} 9 3.1 73.°30 3.°5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.59	+ 4 10.1	1.910	2.731	15.0	20.2
8 9	23 7.06	+ 4 10.0	1.841	2.741	11.9	20.0
8 19	23 0.68	+ 3 52.4	1.793	2.751	8.4	19.8
8 29	22 53.04	+ 3 18.7	1.770	2.761	5.0	19.7
9 8	22 44.99	+ 2 32.7	1.773	2.771	3.6	19.6
9 18	22 37.42	+ 1 39.8	1.804	2.781	5.9	19.8
9 28	22 31.18	+ 0 46.2	1.860	2.791	9.3	20.0
10 8	22 26.89	− 0 2.5	1.941	2.801	12.5	20.2

270488 2002 EJ_{84} 9 3.1 53.°19 0.°3/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.31	− 1 32.4	1.498	2.361	16.3	19.7
8 9	23 5.71	− 2 42.1	1.444	2.377	12.3	19.5
8 19	22 59.96	− 4 11.1	1.412	2.393	7.7	19.3
8 29	22 52.80	− 5 52.4	1.403	2.410	2.7	19.0
9 8	22 45.25	− 7 36.5	1.422	2.426	2.3	19.1
9 18	22 38.35	− 9 13.8	1.466	2.443	7.1	19.4
9 28	22 33.06	−10 35.9	1.536	2.460	11.4	19.7
10 8	22 30.01	−11 38.2	1.628	2.478	15.0	20.0

1898 Cowell 9 3.1 316.°03 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.93	− 5 12.2	1.999	2.858	13.0	16.8
8 9	23 5.18	− 5 38.7	1.913	2.845	9.8	16.6
8 19	22 59.60	− 6 16.8	1.849	2.831	6.2	16.4
8 29	22 52.72	− 7 3.0	1.811	2.818	2.1	16.1
9 8	22 45.30	− 7 52.1	1.801	2.805	2.1	16.1
9 18	22 38.19	− 8 38.7	1.817	2.792	6.2	16.3
9 28	22 32.26	− 9 17.6	1.859	2.780	10.0	16.5
10 8	22 28.15	− 9 45.1	1.925	2.768	13.3	16.7

505699 2014 YS_{32} 9 3.1 291.°12 3.°7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.42	−12 10.1	1.303	2.194	16.6	21.2
8 9	23 9.56	−13 9.0	1.227	2.177	12.4	20.9
8 19	23 2.84	−14 19.7	1.171	2.160	7.8	20.6
8 29	22 53.94	−15 33.7	1.138	2.143	4.0	20.3
9 8	22 44.08	−16 40.3	1.130	2.125	5.8	20.4
9 18	22 34.71	−17 30.3	1.146	2.109	10.7	20.6
9 28	22 27.26	−17 57.2	1.184	2.092	15.5	20.8
10 8	22 22.73	−17 59.1	1.240	2.075	19.7	21.0

316512 2010 VL_{160} 9 3.1 86.°32 1.°8/ 1.9 18

7 30	23 18.52	−10 18.1	1.400	2.275	16.6	20.4
8 9	23 12.76	−10 39.2	1.345	2.286	12.3	20.2
8 19	23 4.41	−11 8.8	1.312	2.298	7.5	19.9
8 29	22 54.34	−11 41.0	1.303	2.309	2.7	19.7
9 8	22 43.83	−12 8.8	1.319	2.320	3.7	19.8
9 18	22 34.18	−12 26.7	1.361	2.331	8.5	20.1
9 28	22 26.57	−12 30.9	1.428	2.342	12.9	20.4
10 8	22 21.70	−12 20.3	1.515	2.353	16.6	20.6

520464 2014 KM_{108} 9 3.1 203.°83 3.°9/ 7.5 18

7 30	23 9.61	+ 7 17.7	2.225	3.024	13.9	22.0
8 9	23 5.47	+ 7 7.9	2.139	3.023	11.2	21.8
8 19	22 59.67	+ 6 40.0	2.076	3.021	8.3	21.7
8 29	22 52.72	+ 5 54.8	2.036	3.019	5.4	21.5
9 8	22 45.32	+ 4 55.8	2.024	3.017	3.9	21.4
9 18	22 38.25	+ 3 47.9	2.040	3.015	5.6	21.5
9 28	22 32.25	+ 2 37.3	2.083	3.013	8.6	21.7
10 8	22 27.93	+ 1 29.9	2.151	3.010	11.5	21.9

92092 1999 XM_{28} 9 3.1 297.°96 4.°9/28.7 18

7 30	23 10.73	−19 46.4	2.123	3.003	11.5	19.4
8 9	23 6.46	−20 49.6	2.051	2.992	8.7	19.2
8 19	23 0.35	−21 53.8	2.004	2.982	6.1	19.1
8 29	22 52.97	−22 52.3	1.983	2.971	4.9	19.0
9 8	22 45.10	−23 38.7	1.989	2.961	6.3	19.0
9 18	22 37.62	−24 8.3	2.021	2.950	9.0	19.2
9 28	22 31.39	−24 18.6	2.077	2.940	11.8	19.3
10 8	22 27.02	−24 9.6	2.155	2.930	14.4	19.5

260554 2005 EN_{199} 9 3.1 88.°25 2.°1/ 4.6 18

7 30	23 17.18	− 1 41.0	1.418	2.272	17.6	20.5
8 9	23 11.81	− 1 33.5	1.355	2.280	13.6	20.2
8 19	23 3.88	− 1 42.4	1.313	2.289	9.0	20.0
8 29	22 54.20	− 2 5.2	1.295	2.297	4.1	19.7
9 8	22 43.96	− 2 36.7	1.301	2.305	2.8	19.7
9 18	22 34.45	− 3 10.8	1.334	2.313	7.3	20.0
9 28	22 26.85	− 3 41.1	1.391	2.321	11.9	20.3
10 8	22 21.93	− 4 2.6	1.470	2.330	15.8	20.5

487610 2015 MQ_{52} 9 3.1 17.°11 4.°4/29.3 18

7 30	23 7.01	−12 57.4	1.580	2.472	14.1	20.0
8 9	23 4.07	−14 49.4	1.525	2.476	10.3	19.7
8 19	22 59.02	−16 50.5	1.493	2.481	6.6	19.5
8 29	22 52.53	−18 50.4	1.487	2.486	4.4	19.4
9 8	22 45.56	−20 38.1	1.507	2.492	6.3	19.6
9 18	22 39.11	−22 5.0	1.553	2.498	9.9	19.8
9 28	22 34.18	−23 5.7	1.622	2.505	13.5	20.0
10 8	22 31.43	−23 39.3	1.711	2.512	16.6	20.3

340257 2006 BU_{142} 9 3.1 39.°16 1.°4/ 1.7 16

7 30	23 9.60	− 6 27.1	1.574	2.449	15.1	20.5
8 9	23 5.97	− 7 36.9	1.512	2.453	11.2	20.2
8 19	23 0.19	− 9 1.2	1.471	2.458	6.8	20.0
8 29	22 52.93	−10 32.9	1.456	2.463	2.3	19.7
9 8	22 45.18	−12 2.9	1.467	2.468	3.4	19.8
9 18	22 37.99	−13 22.6	1.504	2.474	7.9	20.1
9 28	22 32.33	−14 25.1	1.566	2.479	12.0	20.4
10 8	22 28.91	−15 7.2	1.649	2.485	15.5	20.6

429552 2011 CL_{37} 9 3.1 168.°50 2.°0/ 1.3 17

7 30	23 13.81	− 9 24.8	1.706	2.576	14.3	21.4
8 9	23 9.01	−10 18.3	1.639	2.578	10.6	21.2
8 19	23 2.04	−11 21.9	1.594	2.580	6.5	21.0
8 29	22 53.57	−12 29.3	1.576	2.582	2.5	20.7
9 8	22 44.58	−13 32.9	1.584	2.583	3.7	20.8
9 18	22 36.13	−14 25.9	1.619	2.584	7.9	21.1
9 28	22 29.23	−15 3.2	1.679	2.584	11.8	21.3
10 8	22 24.58	−15 22.7	1.761	2.585	15.2	21.5

115438 2003 TE_{6} 9 3.1 216.°15 5.°2/29.8 18

7 30	23 14.71	−16 6.6	1.478	2.366	15.1	19.8
8 9	23 10.07	−17 25.1	1.417	2.364	11.3	19.5
8 19	23 2.88	−18 49.4	1.377	2.362	7.5	19.3
8 29	22 53.90	−20 9.5	1.362	2.359	5.2	19.2
9 8	22 44.27	−21 15.7	1.373	2.356	7.0	19.3
9 18	22 35.29	−22 0.4	1.408	2.353	10.8	19.5
9 28	22 28.15	−22 20.0	1.467	2.350	14.6	19.7
10 8	22 23.65	−22 14.9	1.544	2.347	18.0	19.9

514243 2015 PH_{8} 9 3.1 312.°32 3.°4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.89	+ 5 11.2	1.902	2.726	15.0	20.6
8 9	23 4.50	+ 4 51.6	1.814	2.715	12.0	20.4
8 19	22 59.24	+ 4 11.7	1.746	2.705	8.6	20.2
8 29	22 52.63	+ 3 13.1	1.703	2.695	5.1	19.9
9 8	22 45.46	+ 2 0.0	1.686	2.685	3.5	19.8
9 18	22 38.60	+ 0 39.0	1.696	2.675	6.0	20.0
9 28	22 32.94	− 0 42.3	1.732	2.666	9.7	20.2
10 8	22 29.17	− 1 56.7	1.792	2.657	13.1	20.4

380850 2006 BW_{54} 9 3.1 94.°69 6.°5/ 8.7 16

7 30	23 17.73	+10 12.6	1.879	2.659	16.7	20.5
8 9	23 11.70	+11 1.2	1.813	2.676	13.9	20.3
8 19	23 3.60	+11 29.5	1.767	2.693	10.8	20.2
8 29	22 54.09	+11 36.2	1.745	2.709	7.9	20.0
9 8	22 44.12	+11 22.6	1.749	2.726	6.6	20.0
9 18	22 34.72	+10 52.4	1.780	2.741	7.6	20.1
9 28	22 26.83	+10 11.6	1.837	2.757	10.1	20.3
10 8	22 21.13	+ 9 27.3	1.918	2.772	12.9	20.5

315141 2007 EZ_{144} 9 3.1 359.°20 0.°1/ 2.9 18

7 30	23 6.91	− 3 52.1	1.915	2.776	13.4	20.0
8 9	23 3.66	− 4 48.3	1.842	2.775	10.1	19.8
8 19	22 58.65	− 5 58.8	1.791	2.774	6.3	19.6
8 29	22 52.41	− 7 18.6	1.767	2.773	2.1	19.3
9 8	22 45.73	− 8 41.0	1.769	2.773	2.2	19.3
9 18	22 39.44	− 9 58.8	1.800	2.774	6.3	19.6
9 28	22 34.35	−11 5.7	1.856	2.775	10.1	19.8
10 8	22 31.08	−11 57.3	1.935	2.776	13.4	20.0

14941 Tomswift 9 3.1 266.°60 2.°6/31.9 18

7 30	23 14.77	−13 26.5	1.997	2.866	12.6	18.9
8 9	23 9.57	−13 54.2	1.915	2.853	9.4	18.7
8 19	23 2.35	−14 26.5	1.857	2.841	5.9	18.5
8 29	22 53.70	−14 58.5	1.824	2.828	2.8	18.3
9 8	22 44.49	−15 24.7	1.820	2.815	4.0	18.3
9 18	22 35.67	−15 40.8	1.843	2.802	7.6	18.5
9 28	22 28.19	−15 43.5	1.891	2.789	11.1	18.7
10 8	22 22.75	−15 31.9	1.962	2.775	14.3	18.9

263825 2008 SM_{172} 9 3.1 304.°89 5.°1/12.8 15

7 30	23 5.20	+19 17.7	4.216	4.903	9.4	19.8
8 9	23 1.56	+19 41.3	4.113	4.893	8.3	19.7
8 19	22 57.00	+19 52.4	4.031	4.884	7.0	19.6
8 29	22 51.80	+19 50.3	3.972	4.875	5.9	19.5
9 8	22 46.33	+19 35.4	3.939	4.866	5.2	19.4
9 18	22 40.99	+19 9.0	3.934	4.857	5.2	19.4
9 28	22 36.18	+18 33.4	3.955	4.849	5.9	19.5
10 8	22 32.24	+17 51.7	4.003	4.840	7.1	19.6

141669 2002 JV_{95} 9 3.1 93.°66 0.°3/ 2.9 17

7 30	23 17.30	− 5 51.9	1.470	2.334	16.5	20.8
8 9	23 11.68	− 6 22.0	1.419	2.353	12.4	20.6
8 19	23 3.67	− 7 5.2	1.389	2.372	7.6	20.3
8 29	22 54.11	− 7 55.9	1.383	2.390	2.5	20.1
9 8	22 44.19	− 8 46.8	1.404	2.408	2.7	20.1
9 18	22 35.09	− 9 31.2	1.451	2.425	7.5	20.5
9 28	22 27.89	−10 3.6	1.523	2.442	11.9	20.8
10 8	22 23.25	−10 21.3	1.616	2.459	15.5	21.0

173568 2001 BH_{13} 9 3.1 165.°75 0.°4/ 3.5 17

7 30	23 16.01	− 3 47.4	1.874	2.720	14.3	21.6
8 9	23 10.46	− 4 16.5	1.802	2.725	10.8	21.4
8 19	23 2.86	− 4 58.7	1.752	2.730	6.8	21.2
8 29	22 53.86	− 5 49.8	1.729	2.734	2.5	20.9
9 8	22 44.38	− 6 44.3	1.733	2.737	2.1	20.9
9 18	22 35.40	− 7 36.1	1.766	2.740	6.4	21.2
9 28	22 27.86	− 8 19.8	1.825	2.742	10.4	21.5
10 8	22 22.45	− 8 51.6	1.907	2.743	13.7	21.7

472184 2014 DF_{105} 9 3.1 335.°30 0.°0/ 2.9 18

7 30	23 7.72	− 3 58.0	1.395	2.272	16.5	20.4
8 9	23 4.96	− 4 38.1	1.320	2.261	12.5	20.1
8 19	22 59.80	− 5 36.7	1.265	2.250	7.9	19.8
8 29	22 52.89	− 6 48.7	1.233	2.239	2.7	19.5
9 8	22 45.27	− 8 5.8	1.225	2.230	2.6	19.5
9 18	22 38.10	− 9 18.8	1.243	2.221	7.9	19.8
9 28	22 32.56	−10 19.4	1.284	2.213	12.7	20.0
10 8	22 29.48	−11 1.8	1.345	2.207	16.9	20.3

402437 2006 AW_{96} 9 3.1 258.°21 4.°0/ 6.4 17

7 30	23 17.89	+ 4 4.7	2.459	3.253	12.9	20.8
8 9	23 11.58	+ 4 52.2	2.362	3.243	10.4	20.6
8 19	23 3.48	+ 5 28.5	2.289	3.234	7.6	20.4
8 29	22 54.09	+ 5 53.0	2.243	3.225	5.1	20.2
9 8	22 44.14	+ 6 6.3	2.225	3.215	4.1	20.1
9 18	22 34.44	+ 6 10.0	2.238	3.205	5.8	20.2
9 28	22 25.81	+ 6 7.3	2.278	3.195	8.6	20.4
10 8	22 18.89	+ 6 1.9	2.344	3.185	11.3	20.6

371415 2006 SZ_{59} 9 3.1 343.°88 2.°8/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.81	− 8 25.3	1.166	2.065	17.5	19.6
8 9	23 5.38	− 9 43.4	1.103	2.058	13.1	19.3
8 19	23 0.22	−11 19.4	1.060	2.051	8.0	19.0
8 29	22 53.06	−13 3.7	1.039	2.046	3.3	18.8
9 8	22 45.14	−14 43.6	1.042	2.041	5.1	18.9
9 18	22 37.85	−16 7.1	1.068	2.037	10.4	19.1
9 28	22 32.50	−17 5.7	1.116	2.034	15.3	19.4
10 8	22 29.99	−17 36.0	1.182	2.032	19.5	19.7

293490 2007 FR_{33} 9 3.1 46.°66 0.°0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.02	− 4 26.2	1.039	1.926	20.1	20.6
8 9	23 10.06	− 4 56.1	0.991	1.937	15.2	20.4
8 19	23 3.05	− 5 45.8	0.961	1.948	9.5	20.1
8 29	22 53.98	− 6 48.5	0.953	1.960	3.3	19.8
9 8	22 44.34	− 7 54.1	0.967	1.972	3.0	19.8
9 18	22 35.70	− 8 52.4	1.004	1.984	9.0	20.2
9 28	22 29.41	− 9 35.4	1.063	1.997	14.3	20.5
10 8	22 26.27	− 9 58.8	1.141	2.010	18.7	20.9

485280 2010 XW_{54} 9 3.1 295.°39 6.°0/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.50	+ 9 54.4	2.287	3.063	14.2	21.0
8 9	23 8.51	+10 43.3	2.188	3.048	11.9	20.8
8 19	23 1.69	+11 16.8	2.110	3.033	9.4	20.7
8 29	22 53.51	+11 32.9	2.057	3.019	7.1	20.5
9 8	22 44.69	+11 32.1	2.030	3.004	6.0	20.4
9 18	22 36.06	+11 16.3	2.030	2.990	7.0	20.4
9 28	22 28.49	+10 49.5	2.057	2.975	9.3	20.6
10 8	22 22.66	+10 17.1	2.108	2.961	12.0	20.7

383114 2005 SB_{251} 9 3.1 315.°08 9.°8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.75	−29 28.5	1.290	2.160	18.0	19.9
8 9	23 24.83	−29 35.9	1.203	2.129	14.8	19.6
8 19	23 12.76	−29 28.6	1.135	2.097	11.7	19.3
8 29	22 57.49	−28 54.0	1.090	2.066	9.9	19.1
9 8	22 40.87	−27 42.8	1.070	2.036	11.1	19.1
9 18	22 25.11	−25 53.2	1.074	2.006	14.7	19.2
9 28	22 12.27	−23 30.9	1.102	1.977	19.0	19.4
10 8	22 3.59	−20 46.7	1.149	1.950	23.0	19.5

213494 2002 GM_{37} 9 3.1 40.°40 1.°5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.49	− 1 38.6	1.117	1.994	19.7	19.8
8 9	23 8.70	− 1 57.9	1.069	2.007	15.1	19.6
8 19	23 2.11	− 2 38.7	1.039	2.021	9.7	19.3
8 29	22 53.65	− 3 36.0	1.031	2.036	4.0	19.1
9 8	22 44.69	− 4 40.8	1.046	2.051	2.7	19.0
9 18	22 36.65	− 5 43.7	1.085	2.067	8.1	19.4
9 28	22 30.78	− 6 35.9	1.146	2.083	13.2	19.8
10 8	22 27.80	− 7 11.7	1.227	2.100	17.4	20.1

260442 2004 XB_{164} 9 3.1 234.°09 5.°5/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.53	−26 7.3	2.873	3.740	9.2	20.3
8 9	23 6.71	−27 18.2	2.802	3.728	7.3	20.1
8 19	23 0.38	−28 26.0	2.757	3.714	5.9	20.0
8 29	22 53.01	−29 25.2	2.739	3.701	5.5	20.0
9 8	22 45.24	−30 10.9	2.749	3.687	6.6	20.0
9 18	22 37.75	−30 39.7	2.786	3.673	8.5	20.1
9 28	22 31.23	−30 50.1	2.847	3.658	10.5	20.3
10 8	22 26.20	−30 42.6	2.930	3.643	12.3	20.4

292850 2006 UZ_{329} 9 3.1 327.°69 2.°0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.20	− 8 35.9	1.218	2.111	17.3	20.8
8 9	23 7.19	− 9 18.1	1.147	2.097	13.0	20.5
8 19	23 1.38	−10 15.3	1.095	2.085	8.0	20.2
8 29	22 53.50	−11 20.7	1.066	2.073	2.9	19.8
9 8	22 44.76	−12 24.4	1.060	2.062	4.2	19.9
9 18	22 36.56	−13 17.1	1.078	2.052	9.6	20.2
9 28	22 30.30	−13 51.3	1.118	2.042	14.7	20.4
10 8	22 26.92	−14 3.5	1.176	2.034	19.1	20.7

230348 2002 CM_{277} 9 3.1 235.°75 0.°7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.87	− 3 53.7	1.824	2.676	14.4	21.3
8 9	23 9.02	− 4 9.0	1.744	2.670	11.0	21.0
8 19	23 2.08	− 4 37.1	1.686	2.665	7.0	20.8
8 29	22 53.66	− 5 14.7	1.653	2.659	2.7	20.5
9 8	22 44.65	− 5 56.8	1.648	2.652	2.1	20.4
9 18	22 36.05	− 6 37.8	1.669	2.646	6.5	20.7
9 28	22 28.86	− 7 12.3	1.717	2.639	10.6	21.0
10 8	22 23.78	− 7 36.5	1.788	2.633	14.1	21.2

508653 2017 TO_{12} 9 3.1 174.°06 2.°4/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.18	− 9 0.6	1.426	2.305	16.1	21.3
8 9	23 9.70	−10 7.1	1.362	2.306	12.0	21.0
8 19	23 2.68	−11 26.8	1.320	2.307	7.3	20.8
8 29	22 53.88	−12 51.6	1.301	2.307	2.9	20.5
9 8	22 44.45	−14 11.7	1.309	2.308	4.4	20.6
9 18	22 35.65	−15 18.2	1.343	2.308	9.1	20.9
9 28	22 28.67	−16 4.8	1.400	2.308	13.5	21.1
10 8	22 24.30	−16 28.9	1.477	2.307	17.3	21.4

501796 2014 VH_{35} 9 3.1 175.°86 4.°9/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.44	−16 6.1	1.492	2.375	15.3	20.9
8 9	23 12.08	−17 12.1	1.432	2.376	11.5	20.7
8 19	23 4.12	−18 22.7	1.394	2.377	7.5	20.4
8 29	22 54.37	−19 28.8	1.380	2.378	4.9	20.3
9 8	22 44.03	−20 21.4	1.393	2.379	6.6	20.4
9 18	22 34.40	−20 53.9	1.431	2.379	10.4	20.6
9 28	22 26.68	−21 3.2	1.492	2.378	14.3	20.9
10 8	22 21.66	−20 50.1	1.573	2.377	17.6	21.1

488101 2015 VU_{63} 9 3.1 218.°15 6.°7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.95	+15 58.8	2.474	3.212	14.2	20.6
8 9	23 5.67	+16 25.1	2.385	3.211	12.2	20.5
8 19	22 59.82	+16 31.9	2.317	3.209	10.0	20.3
8 29	22 52.85	+16 18.0	2.271	3.208	8.0	20.2
9 8	22 45.44	+15 44.3	2.251	3.207	6.8	20.1
9 18	22 38.30	+14 53.9	2.257	3.205	7.1	20.1
9 28	22 32.15	+13 51.7	2.289	3.204	8.7	20.2
10 8	22 27.57	+12 44.0	2.347	3.202	10.8	20.4

282100 2000 SP_{134} 9 3.1 19.°73 8.°2/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.49	+ 5 28.0	0.853	1.728	24.5	18.9
8 9	23 8.61	+ 6 49.1	0.812	1.738	20.0	18.6
8 19	23 2.36	+ 7 39.7	0.785	1.750	15.0	18.4
8 29	22 53.82	+ 7 56.6	0.776	1.763	10.3	18.2
9 8	22 44.61	+ 7 42.4	0.786	1.779	8.2	18.2
9 18	22 36.48	+ 7 5.0	0.816	1.796	10.4	18.4
9 28	22 30.97	+ 6 16.2	0.865	1.815	14.6	18.7
10 8	22 28.91	+ 5 28.0	0.932	1.836	18.8	19.0

424236 2007 RQ_{194} 9 3.1 282.°00 0.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.35	− 5 54.6	1.395	2.269	16.7	21.8
8 9	23 9.44	− 6 34.4	1.307	2.247	12.7	21.5
8 19	23 2.80	− 7 31.6	1.240	2.226	8.0	21.2
8 29	22 54.04	− 8 40.9	1.197	2.204	2.7	20.8
9 8	22 44.25	− 9 53.8	1.178	2.182	3.2	20.8
9 18	22 34.78	−11 1.1	1.185	2.159	8.8	21.0
9 28	22 27.02	−11 54.1	1.215	2.137	14.0	21.3
10 8	22 22.00	−12 27.8	1.265	2.114	18.5	21.5

431314 2006 WX_{12} 9 3.1 210.°47 1.°4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.19	− 8 13.9	1.823	2.687	13.9	22.0
8 9	23 9.28	− 9 2.7	1.746	2.682	10.4	21.8
8 19	23 2.26	−10 2.5	1.692	2.676	6.3	21.6
8 29	22 53.73	−11 7.7	1.664	2.671	2.3	21.3
9 8	22 44.63	−12 11.3	1.664	2.664	3.2	21.4
9 18	22 35.95	−13 6.6	1.691	2.658	7.4	21.6
9 28	22 28.70	−13 48.4	1.744	2.650	11.4	21.8
10 8	22 23.59	−14 13.7	1.819	2.643	14.8	22.0

193510 2000 YL_{50} 9 3.1 291.°51 1.°7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.31	− 8 4.1	1.709	2.580	14.2	20.2
8 9	23 7.49	− 8 57.6	1.612	2.552	10.8	19.9
8 19	23 1.38	−10 5.2	1.538	2.524	6.7	19.6
8 29	22 53.51	−11 21.2	1.488	2.495	2.4	19.3
9 8	22 44.77	−12 37.9	1.466	2.466	3.6	19.3
9 18	22 36.22	−13 46.9	1.469	2.437	8.2	19.5
9 28	22 29.02	−14 41.3	1.498	2.408	12.7	19.7
10 8	22 24.07	−15 16.6	1.548	2.379	16.6	19.9

496635 2015 VP_{6} 9 3.1 245.°82 7.°2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.38	−31 17.9	2.612	3.476	10.1	20.9
8 9	23 7.52	−32 35.5	2.553	3.466	8.5	20.8
8 19	23 0.97	−33 46.4	2.519	3.457	7.4	20.7
8 29	22 53.25	−34 43.9	2.511	3.447	7.3	20.7
9 8	22 45.11	−35 23.0	2.529	3.438	8.4	20.8
9 18	22 37.36	−35 40.6	2.572	3.428	10.2	20.9
9 28	22 30.76	−35 36.1	2.637	3.417	12.0	21.0
10 8	22 25.91	−35 11.0	2.722	3.407	13.7	21.1

253495 2003 SE_{107} 9 3.1 319.°90 4.°0/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.41	+ 1 22.8	1.151	2.021	19.7	19.4
8 9	23 6.91	+ 1 40.3	1.066	1.997	15.8	19.1
8 19	23 1.46	+ 1 34.8	0.999	1.974	11.1	18.8
8 29	22 53.64	+ 1 6.2	0.952	1.951	6.2	18.4
9 8	22 44.62	+ 0 18.7	0.927	1.929	4.2	18.2
9 18	22 35.91	− 0 40.2	0.924	1.909	8.7	18.4
9 28	22 29.09	− 1 39.9	0.943	1.889	14.2	18.7
10 8	22 25.35	− 2 30.7	0.981	1.870	19.3	18.9

23964 1998 WR_{15} 9 3.1 9.°03 1.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.23	− 8 42.3	1.675	2.556	14.0	17.4
8 9	23 4.11	− 9 33.5	1.613	2.558	10.4	17.1
8 19	22 59.02	−10 35.4	1.574	2.562	6.3	16.9
8 29	22 52.60	−11 41.7	1.559	2.566	2.3	16.7
9 8	22 45.75	−12 45.2	1.571	2.571	3.4	16.8
9 18	22 39.40	−13 39.1	1.608	2.577	7.5	17.0
9 28	22 34.46	−14 18.3	1.670	2.584	11.4	17.3
10 8	22 31.55	−14 40.0	1.753	2.591	14.7	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
111150 2001 VS_{101}			9 3.1	148.°78	1.°0/ 2.2	18
7 30	23 12.71	− 8 46.9	2.188	3.046	12.1	20.3
8 9	23 7.76	− 9 12.4	2.117	3.049	9.0	20.2
8 19	23 1.10	− 9 45.3	2.069	3.052	5.5	19.9
8 29	22 53.29	−10 21.5	2.048	3.055	1.9	19.7
9 8	22 45.11	−10 56.3	2.056	3.057	2.5	19.8
9 18	22 37.35	−11 25.6	2.091	3.060	6.1	20.0
9 28	22 30.79	−11 45.8	2.154	3.062	9.4	20.2
10 8	22 25.99	−11 54.8	2.239	3.064	12.4	20.4
266951 2010 UY_{14}			9 3.1	10.°75	3.°2/ 5.3	17
7 30	23 7.95	+ 0 30.4	0.967	1.854	21.3	19.5
8 9	23 5.75	+ 0 35.7	0.915	1.856	16.7	19.2
8 19	23 0.55	+ 0 14.9	0.879	1.860	11.3	19.0
8 29	22 53.22	− 0 29.0	0.863	1.865	5.7	18.7
9 8	22 45.19	− 1 28.2	0.868	1.872	3.7	18.6
9 18	22 37.99	− 2 32.3	0.894	1.880	8.5	18.9
9 28	22 33.04	− 3 30.4	0.941	1.890	13.9	19.2
10 8	22 31.18	− 4 14.1	1.007	1.901	18.6	19.6
369783 2012 GJ_{30}			9 3.1	155.°75	0.°8/ 3.8	17
7 30	23 15.43	− 2 31.5	1.738	2.585	15.2	21.7
8 9	23 10.18	− 3 1.0	1.668	2.591	11.6	21.5
8 19	23 2.78	− 3 45.7	1.621	2.597	7.4	21.3
8 29	22 53.91	− 4 41.5	1.598	2.603	2.9	21.0
9 8	22 44.54	− 5 42.1	1.603	2.608	2.1	21.0
9 18	22 35.70	− 6 40.9	1.635	2.612	6.6	21.3
9 28	22 28.40	− 7 31.6	1.694	2.615	10.7	21.5
10 8	22 23.33	− 8 9.9	1.775	2.618	14.3	21.7
173625 2001 FJ_{57}			9 3.1	108.°60	1.°4/ 2.0	18
7 30	23 16.99	− 8 32.1	1.617	2.483	15.2	20.2
8 9	23 11.34	− 9 10.3	1.562	2.499	11.3	20.0
8 19	23 3.46	− 9 58.4	1.530	2.514	6.9	19.7
8 29	22 54.11	−10 50.4	1.523	2.529	2.4	19.5
9 8	22 44.39	−11 39.3	1.543	2.544	3.2	19.6
9 18	22 35.40	−12 19.0	1.589	2.558	7.6	19.9
9 28	22 28.15	−12 45.2	1.662	2.572	11.6	20.2
10 8	22 23.29	−12 56.0	1.755	2.585	15.0	20.4
383256 2006 CV_{33}			9 3.1	80.°02	5.°4/ 7.6	16
7 30	23 16.70	+ 6 51.2	1.732	2.539	16.9	20.7
8 9	23 11.06	+ 7 26.0	1.671	2.556	13.7	20.5
8 19	23 3.27	+ 7 41.1	1.629	2.573	10.2	20.4
8 29	22 54.06	+ 7 36.2	1.611	2.590	6.9	20.2
9 8	22 44.42	+ 7 13.7	1.619	2.607	5.4	20.2
9 18	22 35.40	+ 6 38.4	1.653	2.624	7.1	20.3
9 28	22 27.98	+ 5 56.5	1.713	2.641	10.2	20.5
10 8	22 22.83	+ 5 14.8	1.797	2.657	13.3	20.8
222192 2000 DO_{35}			9 3.1	223.°88	0.°2/ 2.9	18
7 30	23 8.83	− 5 27.1	2.709	3.555	10.4	21.1
8 9	23 4.65	− 6 5.5	2.623	3.548	7.8	20.9
8 19	22 59.10	− 6 52.7	2.562	3.541	4.8	20.7
8 29	22 52.62	− 7 45.6	2.528	3.534	1.6	20.5
9 8	22 45.77	− 8 40.0	2.523	3.527	1.7	20.5
9 18	22 39.16	− 9 31.6	2.548	3.519	4.9	20.7
9 28	22 33.43	−10 16.5	2.600	3.511	7.9	20.9
10 8	22 29.06	−10 51.7	2.678	3.503	10.6	21.0
348528 2005 UY_{83}			9 3.1	356.°41	0.°3/ 2.8	18
7 30	23 9.06	− 6 4.6	1.667	2.539	14.5	20.9
8 9	23 5.54	− 6 32.7	1.597	2.536	10.9	20.6
8 19	22 59.97	− 7 13.3	1.549	2.533	6.8	20.4
8 29	22 52.96	− 8 1.7	1.525	2.532	2.3	20.1
9 8	22 45.45	− 8 51.7	1.527	2.531	2.4	20.1
9 18	22 38.40	− 9 37.0	1.555	2.531	6.9	20.4
9 28	22 32.79	−10 12.1	1.608	2.531	11.1	20.6
10 8	22 29.30	−10 33.3	1.682	2.532	14.6	20.9
16610 1993 FV_{23}			9 3.1	218.°09	0.°5/ 2.6	18
7 30	23 14.02	− 7 7.7	2.149	3.001	12.5	19.7
8 9	23 8.87	− 7 35.1	2.065	2.994	9.4	19.5
8 19	23 1.89	− 8 11.7	2.005	2.986	5.8	19.2
8 29	22 53.61	− 8 53.6	1.971	2.978	1.9	19.0
9 8	22 44.82	− 9 36.0	1.966	2.969	2.3	19.0
9 18	22 36.38	−10 14.0	1.990	2.960	6.2	19.2
9 28	22 29.14	−10 43.4	2.040	2.951	9.8	19.4
10 8	22 23.74	−11 1.4	2.114	2.941	12.9	19.6
39280 2001 BE_{24}			9 3.1	277.°45	1.°6/ 6.1	18
7 30	23 4.76	+ 1 58.2	4.378	5.181	7.5	19.2
8 9	23 1.15	+ 1 57.1	4.284	5.176	5.9	19.1
8 19	22 56.73	+ 1 48.8	4.216	5.171	4.1	19.0
8 29	22 51.77	+ 1 34.3	4.175	5.166	2.4	18.8
9 8	22 46.62	+ 1 15.2	4.163	5.161	1.7	18.8
9 18	22 41.61	+ 0 53.1	4.181	5.157	3.0	18.9
9 28	22 37.10	+ 0 30.2	4.228	5.152	4.8	19.0
10 8	22 33.38	+ 0 8.6	4.303	5.147	6.5	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6070 Rheinland			9 3.1	334.°49	3.°2/31.9	18 R
7 30	23 8.38	−11 0.0	1.107	2.012	17.7	16.5
8 9	23 6.10	−11 44.4	1.037	1.994	13.3	16.2
8 19	23 0.88	−12 42.2	0.986	1.978	8.3	15.8
8 29	22 53.42	−13 45.4	0.956	1.962	3.7	15.5
9 8	22 45.01	−14 43.1	0.948	1.948	5.4	15.6
9 18	22 37.15	−15 25.6	0.963	1.935	10.8	15.8
9 28	22 31.35	−15 45.8	0.998	1.923	16.0	16.1
10 8	22 28.61	−15 41.1	1.051	1.913	20.5	16.3
314465 2005 WM_{44}			9 3.1	2.°63	2.°5/ 1.1	18
7 30	23 9.20	−11 24.9	1.475	2.364	15.0	19.5
8 9	23 5.87	−11 59.2	1.414	2.363	11.2	19.3
8 19	23 0.26	−12 41.6	1.374	2.363	6.9	19.1
8 29	22 53.09	−13 26.0	1.358	2.364	2.9	18.8
9 8	22 45.42	−14 5.0	1.367	2.366	4.2	18.9
9 18	22 38.35	−14 32.6	1.401	2.369	8.5	19.2
9 28	22 32.92	−14 44.4	1.458	2.374	12.6	19.4
10 8	22 29.83	−14 39.0	1.536	2.379	16.1	19.7
114859 2003 PK_{12}			9 3.1	276.°74	12.°3/14.2	18
7 30	23 15.24	+24 20.3	1.940	2.628	19.0	19.4
8 9	23 10.42	+25 51.2	1.850	2.618	17.3	19.2
8 19	23 3.24	+26 57.3	1.777	2.608	15.4	19.1
8 29	22 54.22	+27 32.9	1.722	2.598	13.6	18.9
9 8	22 44.26	+27 34.8	1.689	2.588	12.5	18.8
9 18	22 34.48	+27 3.4	1.678	2.578	12.3	18.8
9 28	22 26.07	+26 3.7	1.690	2.568	13.3	18.9
10 8	22 19.94	+24 44.8	1.723	2.558	15.0	19.0
346533 2008 UY_{239}			9 3.1	297.°58	7.°5/28.4	18
7 30	23 18.99	−24 21.8	1.634	2.514	14.3	20.6
8 9	23 13.54	−25 13.5	1.550	2.486	11.4	20.3
8 19	23 5.29	−26 2.4	1.487	2.457	8.6	20.1
8 29	22 54.94	−26 39.1	1.449	2.429	7.5	20.0
9 8	22 43.64	−26 54.9	1.436	2.400	9.0	20.0
9 18	22 32.77	−26 44.6	1.447	2.371	12.2	20.1
9 28	22 23.73	−26 6.9	1.481	2.343	15.8	20.3
10 8	22 17.46	−25 4.5	1.534	2.314	19.1	20.4
315082 2007 DP_{70}			9 3.1	214.°59	0.°4/ 2.7	18
7 30	23 9.97	− 6 16.9	2.583	3.432	10.7	22.3
8 9	23 5.57	− 6 54.3	2.499	3.426	8.0	22.1
8 19	22 59.72	− 7 40.4	2.440	3.421	5.0	21.9
8 29	22 52.88	− 8 31.7	2.408	3.415	1.6	21.7
9 8	22 45.65	− 9 23.9	2.405	3.408	1.9	21.7
9 18	22 38.69	−10 12.5	2.431	3.401	5.2	21.9
9 28	22 32.67	−10 53.6	2.485	3.394	8.3	22.1
10 8	22 28.10	−11 24.4	2.564	3.387	11.0	22.3
441766 2009 CR_{51}			9 3.1	161.°66	3.°4/30.1	18
7 30	23 11.22	−14 5.1	2.179	3.052	11.6	21.7
8 9	23 6.73	−15 26.3	2.115	3.055	8.5	21.5
8 19	23 0.53	−16 52.8	2.076	3.059	5.4	21.4
8 29	22 53.17	−18 17.9	2.064	3.062	3.4	21.2
9 8	22 45.39	−19 34.5	2.080	3.065	4.8	21.3
9 18	22 38.02	−20 37.0	2.125	3.068	7.8	21.5
9 28	22 31.84	−21 21.6	2.195	3.070	10.8	21.7
10 8	22 27.43	−21 47.2	2.287	3.072	13.4	21.9
96694 1999 JY_{74}			9 3.1	22.°37	7.°6/27.1	18
7 30	23 4.25	−15 53.2	1.008	1.929	17.6	18.0
8 9	23 2.83	−18 28.6	0.979	1.944	13.0	17.8
8 19	22 58.61	−21 8.7	0.971	1.960	9.0	17.6
8 29	22 52.55	−23 35.8	0.985	1.978	7.7	17.6
9 8	22 46.03	−25 33.9	1.022	1.997	10.2	17.8
9 18	22 40.43	−26 53.6	1.080	2.018	14.0	18.1
9 28	22 36.95	−27 32.5	1.157	2.040	17.7	18.4
10 8	22 36.23	−27 34.0	1.251	2.064	20.8	18.7
11483 1988 BC_4			9 3.1	288.°30	0.°3/ 3.4	18
7 30	23 11.08	− 3 51.9	1.747	2.605	14.6	18.3
8 9	23 7.15	− 4 22.7	1.659	2.590	11.1	18.1
8 19	23 1.08	− 5 8.4	1.593	2.574	7.1	17.8
8 29	22 53.44	− 6 5.3	1.552	2.558	2.6	17.5
9 8	22 45.09	− 7 7.2	1.537	2.542	2.2	17.4
9 18	22 37.07	− 8 7.2	1.549	2.526	6.9	17.7
9 28	22 30.39	− 8 58.8	1.587	2.510	11.2	17.9
10 8	22 25.86	− 9 37.0	1.647	2.494	15.0	18.1
517115 2013 GG_{45}			9 3.1	98.°34	5.°7/28.6	18
7 30	23 16.01	−24 29.3	2.240	3.110	11.4	21.5
8 9	23 10.25	−25 10.0	2.182	3.112	8.9	21.4
8 19	23 2.65	−25 46.3	2.147	3.114	6.6	21.2
8 29	22 53.87	−26 12.4	2.139	3.117	5.7	21.2
9 8	22 44.77	−26 23.4	2.159	3.119	6.7	21.2
9 18	22 36.23	−26 16.7	2.205	3.121	9.0	21.4
9 28	22 29.08	−25 52.0	2.275	3.123	11.5	21.6
10 8	22 23.88	−25 10.7	2.368	3.125	13.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
313369	2002 JM_{34}		9 3.1	55.°35	10.°8/20.3	18
	h m	° ′			°	m
7 30	23 9.25	+30 56.4	2.243	2.871	18.1	20.3
8 9	23 5.38	+31 24.4	2.175	2.889	16.5	20.2
8 19	22 59.73	+31 23.1	2.121	2.908	14.7	20.1
8 29	22 52.89	+30 49.8	2.085	2.927	13.0	20.0
9 8	22 45.67	+29 44.6	2.069	2.946	11.5	19.9
9 18	22 38.91	+28 11.0	2.077	2.965	10.8	19.9
9 28	22 33.42	+26 15.9	2.108	2.985	11.1	20.0
10 8	22 29.80	+24 8.6	2.164	3.004	12.2	20.1
509166	2006 EQ_{39}		9 3.1	241.°00	0.°6/ 2.6	18
7 30	23 14.96	− 7 24.2	2.025	2.879	13.0	22.8
8 9	23 9.76	− 7 47.7	1.936	2.866	9.8	22.6
8 19	23 2.56	− 8 20.7	1.871	2.853	6.1	22.3
8 29	22 53.92	− 8 59.2	1.832	2.839	2.1	22.0
9 8	22 44.66	− 9 38.4	1.821	2.824	2.4	22.0
9 18	22 35.73	−10 13.0	1.839	2.809	6.5	22.3
9 28	22 28.06	−10 38.7	1.882	2.794	10.4	22.5
10 8	22 22.38	−10 52.6	1.950	2.778	13.8	22.7
117403	2005 AO_{8}		9 3.1	287.°22	3.°2/ 5.4	18
7 30	23 16.04	+ 0 24.2	1.797	2.630	15.3	20.1
8 9	23 10.96	+ 0 51.3	1.698	2.608	12.2	19.9
8 19	23 3.54	+ 1 4.9	1.619	2.584	8.5	19.6
8 29	22 54.33	+ 1 5.3	1.565	2.561	4.7	19.3
9 8	22 44.23	+ 0 54.7	1.537	2.538	3.4	19.2
9 18	22 34.33	+ 0 36.7	1.537	2.514	6.8	19.3
9 28	22 25.77	+ 0 16.3	1.562	2.491	11.0	19.5
10 8	22 19.46	− 0 1.2	1.611	2.467	14.8	19.7
195274	2002 EY_{65}		9 3.1	156.°11	1.°6/ 4.7	17
7 30	23 12.40	− 0 10.2	1.912	2.750	14.4	21.1
8 9	23 7.79	− 0 34.8	1.837	2.753	11.1	20.9
8 19	23 1.28	− 1 15.0	1.785	2.757	7.3	20.7
8 29	22 53.45	− 2 7.8	1.758	2.759	3.4	20.5
9 8	22 45.15	− 3 7.9	1.758	2.762	2.2	20.4
9 18	22 37.28	− 4 9.3	1.786	2.765	5.9	20.6
9 28	22 30.74	− 5 5.8	1.841	2.767	9.7	20.9
10 8	22 26.16	− 5 52.5	1.919	2.769	13.1	21.1
26057	Ankaios		9 3.1	279.°67	0.°1/ 3.3	17
7 30	23 3.27	− 5 2.6	4.349	5.187	6.9	19.5
8 9	23 0.08	− 5 29.6	4.259	5.179	5.2	19.3
8 19	22 56.10	− 6 1.9	4.193	5.171	3.2	19.2
8 29	22 51.60	− 6 37.8	4.157	5.162	1.2	19.0
9 8	22 46.90	− 7 15.0	4.150	5.154	1.0	19.0
9 18	22 42.34	− 7 51.3	4.173	5.146	3.1	19.2
9 28	22 38.26	− 8 24.5	4.225	5.137	5.1	19.3
10 8	22 34.96	− 8 52.6	4.303	5.129	6.9	19.4
345963	2007 TR_{32}		9 3.1	26.°83	0.°1/ 3.0	18
7 30	23 11.82	− 6 6.4	1.329	2.209	17.0	20.1
8 9	23 7.91	− 6 24.5	1.277	2.220	12.8	19.9
8 19	23 1.54	− 6 56.2	1.245	2.231	7.9	19.7
8 29	22 53.55	− 7 36.5	1.236	2.243	2.7	19.4
9 8	22 45.12	− 8 18.1	1.252	2.257	2.7	19.4
9 18	22 37.45	− 8 54.2	1.292	2.271	7.7	19.8
9 28	22 31.65	− 9 19.3	1.356	2.285	12.2	20.1
10 8	22 28.39	− 9 30.0	1.441	2.301	16.1	20.4
129883	1999 TO_{2}		9 3.1	347.°63	10.°7/24.1	18
7 30	23 6.90	−25 53.3	1.189	2.102	16.2	17.8
8 9	23 4.94	−27 58.9	1.140	2.090	13.1	17.6
8 19	23 0.09	−30 0.6	1.111	2.080	11.0	17.4
8 29	22 53.15	−31 43.1	1.104	2.072	11.0	17.4
9 8	22 45.45	−32 53.7	1.118	2.065	13.1	17.5
9 18	22 38.48	−33 24.9	1.153	2.059	16.2	17.7
9 28	22 33.62	−33 15.8	1.205	2.055	19.5	17.9
10 8	22 31.72	−32 30.7	1.273	2.052	22.3	18.1
147527	2004 DG_{47}		9 3.2	146.°77	2.°4/ 5.1	17
7 30	23 15.68	+ 0 15.7	1.686	2.524	16.0	20.6
8 9	23 10.48	+ 0 14.5	1.614	2.529	12.4	20.4
8 19	23 3.06	− 0 3.2	1.564	2.533	8.4	20.2
8 29	22 54.10	− 0 35.2	1.538	2.537	4.2	19.9
9 8	22 44.58	− 1 16.7	1.538	2.541	2.8	19.9
9 18	22 35.61	− 2 2.1	1.566	2.545	6.5	20.1
9 28	22 28.20	− 2 45.0	1.619	2.548	10.6	20.3
10 8	22 23.09	− 3 20.1	1.695	2.551	14.3	20.6
104687	2000 GK_{155}		9 3.2	135.°09	3.°2/ 6.7	18
7 30	23 10.71	+ 4 58.9	2.132	2.945	14.0	20.1
8 9	23 6.36	+ 4 40.7	2.056	2.951	11.1	19.9
8 19	23 0.31	+ 4 4.9	2.001	2.956	7.9	19.7
8 29	22 53.12	+ 3 13.5	1.971	2.962	4.7	19.5
9 8	22 45.51	+ 2 10.5	1.969	2.967	3.2	19.5
9 18	22 38.29	+ 1 1.6	1.995	2.973	5.5	19.6
9 28	22 32.23	− 0 7.2	2.048	2.978	8.7	19.8
10 8	22 27.91	− 1 10.0	2.126	2.982	11.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
318212	2004 RR_{182}		9 3.2	296.°99	3.°2/ 5.8	18
	h m	° ′			°	m
7 30	23 11.45	+ 2 10.9	1.619	2.460	16.4	20.7
8 9	23 7.61	+ 2 9.8	1.531	2.445	13.0	20.4
8 19	23 1.47	+ 1 49.3	1.463	2.430	9.1	20.2
8 29	22 53.62	+ 1 10.7	1.418	2.415	5.0	19.9
9 8	22 44.99	+ 0 18.3	1.399	2.400	3.4	19.8
9 18	22 36.68	− 0 41.5	1.405	2.386	6.9	19.9
9 28	22 29.82	− 1 41.1	1.437	2.371	11.2	20.2
10 8	22 25.26	− 2 33.3	1.490	2.357	15.2	20.4
393495	2002 QP_{67}		9 3.2	302.°15	2.°2/ 1.2	18
7 30	23 12.27	−10 55.8	1.751	2.626	13.8	20.7
8 9	23 7.98	−11 34.2	1.675	2.617	10.3	20.5
8 19	23 1.55	−12 21.0	1.621	2.607	6.3	20.2
8 29	22 53.60	−13 10.5	1.592	2.598	2.6	20.0
9 8	22 45.05	−13 56.0	1.590	2.589	3.8	20.0
9 18	22 36.94	−14 31.7	1.614	2.580	7.9	20.3
9 28	22 30.26	−14 53.0	1.663	2.571	11.8	20.5
10 8	22 25.76	−14 57.9	1.734	2.562	15.2	20.7
252801	2002 FH_{21}		9 3.2	230.°72	6.°5/26.1	18
7 30	23 11.15	−24 50.2	2.226	3.104	11.1	20.1
8 9	23 6.80	−26 20.3	2.169	3.102	8.8	19.9
8 19	23 0.64	−27 47.6	2.136	3.099	6.9	19.8
8 29	22 53.24	−29 4.5	2.130	3.097	6.5	19.8
9 8	22 45.41	−30 4.2	2.151	3.094	7.9	19.9
9 18	22 37.99	−30 42.5	2.197	3.091	10.1	20.0
9 28	22 31.82	−30 57.7	2.266	3.088	12.4	20.2
10 8	22 27.50	−30 50.8	2.355	3.085	14.5	20.3
154850	2004 RH_{53}		9 3.2	332.°09	1.°9/ 1.3	18
7 30	23 9.72	−10 22.7	1.912	2.786	12.9	19.6
8 9	23 5.88	−11 3.9	1.837	2.779	9.6	19.4
8 19	23 0.15	−11 53.3	1.785	2.771	5.9	19.1
8 29	22 53.10	−12 45.6	1.759	2.765	2.4	18.9
9 8	22 45.55	−13 34.8	1.759	2.758	3.4	19.0
9 18	22 38.40	−14 15.2	1.787	2.752	7.2	19.2
9 28	22 32.52	−14 42.6	1.839	2.746	10.9	19.4
10 8	22 28.56	−14 54.6	1.914	2.741	14.1	19.6
432783	2011 FU_{62}		9 3.2	168.°76	1.°3/ 1.9	17
7 30	23 15.58	− 8 54.7	1.994	2.852	13.1	22.4
8 9	23 10.10	− 9 30.8	1.924	2.856	9.7	22.2
8 19	23 2.68	−10 15.4	1.876	2.859	6.0	22.0
8 29	22 53.95	−11 3.4	1.856	2.862	2.1	21.8
9 8	22 44.77	−11 49.3	1.864	2.864	2.9	21.8
9 18	22 36.08	−12 27.9	1.900	2.866	6.7	22.1
9 28	22 28.75	−12 55.0	1.962	2.867	10.4	22.3
10 8	22 23.42	−13 8.7	2.047	2.868	13.5	22.5
208099	2000 AO_{201}		9 3.2	162.°70	8.°5/15.5	18
7 30	23 14.92	+26 12.7	2.968	3.600	14.0	21.0
8 9	23 9.26	+26 56.5	2.881	3.608	12.6	20.9
8 19	23 2.03	+27 20.0	2.812	3.615	11.1	20.8
8 29	22 53.73	+27 20.9	2.764	3.621	9.7	20.7
9 8	22 44.97	+26 58.8	2.740	3.626	8.7	20.7
9 18	22 36.47	+26 15.4	2.742	3.631	8.5	20.7
9 28	22 28.94	+25 14.6	2.770	3.635	9.1	20.7
10 8	22 22.93	+24 2.2	2.822	3.638	10.3	20.8
388563	2007 PC_{43}		9 3.2	18.°52	3.°0/ 4.9	18
7 30	23 17.82	− 2 27.6	1.365	2.223	17.9	19.4
8 9	23 12.46	− 1 36.0	1.303	2.228	14.0	19.2
8 19	23 4.45	− 0 57.7	1.261	2.235	9.4	19.0
8 29	22 54.61	− 0 32.4	1.242	2.242	4.8	18.7
9 8	22 44.19	− 0 17.9	1.248	2.250	3.5	18.7
9 18	22 34.52	− 0 10.4	1.279	2.259	7.5	18.9
9 28	22 26.83	− 0 5.6	1.335	2.269	12.0	19.2
10 8	22 21.91	+ 0 1.3	1.412	2.280	15.9	19.5
277286	2005 SK_{88}		9 3.2	291.°17	4.°7/ 8.5	18
7 30	23 8.24	+ 9 29.9	2.130	2.923	14.6	21.1
8 9	23 4.68	+ 9 19.4	2.036	2.912	12.0	20.9
8 19	22 59.39	+ 8 48.2	1.963	2.901	9.1	20.7
8 29	22 52.85	+ 7 56.5	1.913	2.890	6.3	20.5
9 8	22 45.79	+ 6 47.6	1.890	2.879	4.7	20.4
9 18	22 38.99	+ 5 26.7	1.894	2.869	6.0	20.4
9 28	22 33.26	+ 4 0.8	1.925	2.858	9.0	20.6
10 8	22 29.25	+ 2 37.3	1.981	2.847	12.0	20.8
400747	2009 UK_{151}		9 3.2	324.°36	7.°4/11.1	17
7 30	23 10.56	+15 50.4	2.280	3.024	15.1	20.3
8 9	23 6.36	+16 32.3	2.190	3.019	13.1	20.2
8 19	23 0.41	+16 54.2	2.120	3.013	10.8	20.0
8 29	22 53.22	+16 54.2	2.073	3.008	8.7	19.9
9 8	22 45.49	+16 32.7	2.049	3.003	7.5	19.8
9 18	22 38.00	+15 52.3	2.052	2.999	7.8	19.8
9 28	22 31.59	+14 57.8	2.080	2.994	9.5	19.9
10 8	22 26.88	+13 56.1	2.133	2.990	11.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322349	2011 JN_{11}		9 3.2	50.°67	1.°6/ 1.8	16
	h m	° ′			°	m
7 30	23 12.57	− 8 10.9	1.441	2.320	16.0	20.6
8 9	23 8.30	− 8 59.8	1.392	2.335	11.8	20.4
8 19	23 1.72	−10 0.4	1.364	2.351	7.2	20.2
8 29	22 53.65	−11 5.5	1.360	2.367	2.5	19.9
9 8	22 45.18	−12 6.9	1.382	2.383	3.5	20.0
9 18	22 37.48	−12 57.3	1.430	2.400	8.1	20.3
9 28	22 31.54	−13 31.8	1.501	2.417	12.2	20.6
10 8	22 28.02	−13 48.0	1.594	2.435	15.7	20.9
302803	2003 AY_{18}		9 3.2	257.°17	2.°6/ 5.8	18
7 30	23 11.13	+ 2 12.7	2.126	2.951	13.6	20.7
8 9	23 6.80	+ 2 5.1	2.037	2.942	10.7	20.5
8 19	23 0.70	+ 1 42.3	1.970	2.933	7.4	20.2
8 29	22 53.32	+ 1 5.7	1.928	2.924	4.1	20.0
9 8	22 45.42	+ 0 19.0	1.913	2.914	2.8	19.9
9 18	22 37.80	− 0 33.0	1.926	2.905	5.6	20.1
9 28	22 31.31	− 1 24.7	1.966	2.895	9.0	20.3
10 8	22 26.59	− 2 10.9	2.031	2.885	12.3	20.5
23075	1999 XV_{83}		9 3.2	292.°01	2.°8/28.6	18
7 30	23 4.42	−20 20.1	4.185	5.054	6.5	18.1
8 9	23 1.03	−21 6.8	4.106	5.040	4.9	18.0
8 19	22 56.75	−21 53.3	4.053	5.027	3.5	17.9
8 29	22 51.89	−22 36.7	4.029	5.014	2.8	17.8
9 8	22 46.79	−23 14.1	4.034	5.001	3.6	17.9
9 18	22 41.84	−23 43.3	4.067	4.988	5.1	18.0
9 28	22 37.44	−24 2.7	4.127	4.975	6.8	18.1
10 8	22 33.93	−24 11.5	4.211	4.961	8.3	18.2
188504	2004 QZ_{19}		9 3.2	326.°18	0.°9/ 4.2	18
7 30	23 5.39	+ 0 31.5	1.845	2.695	14.3	19.2
8 9	23 2.78	− 0 38.5	1.756	2.680	11.0	19.0
8 19	22 58.33	− 2 9.5	1.688	2.665	7.2	18.7
8 29	22 52.53	− 3 57.2	1.646	2.650	2.9	18.4
9 8	22 46.15	− 5 53.8	1.631	2.636	2.0	18.3
9 18	22 40.05	− 7 50.3	1.644	2.622	6.3	18.6
9 28	22 35.11	− 9 37.2	1.683	2.609	10.5	18.8
10 8	22 32.05	−11 7.6	1.746	2.597	14.1	19.0
438813	2008 YC_{142}		9 3.2	328.°23	12.°6/17.4	18
7 30	23 9.93	−34 1.4	1.527	2.415	14.7	20.1
8 9	23 7.06	−37 6.5	1.487	2.405	13.1	19.9
8 19	23 1.42	−39 59.8	1.470	2.395	12.6	19.9
8 29	22 53.68	−42 25.9	1.477	2.386	13.5	19.9
9 8	22 45.06	−44 13.3	1.507	2.377	15.4	20.0
9 18	22 36.98	−45 16.3	1.555	2.369	17.7	20.2
9 28	22 30.84	−45 35.5	1.621	2.361	19.9	20.3
10 8	22 27.58	−45 16.1	1.699	2.354	21.7	20.5
146052	2000 ES_{86}		9 3.2	208.°58	0.°9/ 3.9	18
7 30	23 18.18	− 4 14.9	1.931	2.772	14.1	20.5
8 9	23 12.22	− 4 15.9	1.847	2.767	10.8	20.3
8 19	23 4.13	− 4 27.8	1.786	2.761	6.9	20.1
8 29	22 54.52	− 4 47.9	1.751	2.755	2.7	19.8
9 8	22 44.31	− 5 12.3	1.744	2.748	2.0	19.7
9 18	22 34.51	− 5 36.4	1.765	2.741	6.3	20.0
9 28	22 26.11	− 5 55.8	1.813	2.732	10.3	20.2
10 8	22 19.86	− 6 7.2	1.885	2.724	13.8	20.4
441878	2010 BK_{13}		9 3.2	48.°60	9.°2/14.2	16
7 30	23 10.17	+20 48.0	1.595	2.338	20.6	21.0
8 9	23 6.39	+20 53.2	1.544	2.366	17.8	20.8
8 19	23 0.49	+20 24.5	1.508	2.395	14.7	20.7
8 29	22 53.22	+19 21.0	1.491	2.423	11.8	20.6
9 8	22 45.61	+17 46.5	1.498	2.452	9.6	20.6
9 18	22 38.70	+15 49.1	1.528	2.481	9.4	20.6
9 28	22 33.42	+13 40.0	1.584	2.511	11.0	20.8
10 8	22 30.38	+11 31.2	1.664	2.540	13.4	21.0
423454	2005 SQ_{106}		9 3.2	40.°89	0.°3/ 3.4	17
7 30	23 13.38	− 4 27.5	1.224	2.102	18.3	20.8
8 9	23 9.22	− 4 48.6	1.177	2.117	13.8	20.6
8 19	23 2.43	− 5 26.3	1.148	2.132	8.6	20.3
8 29	22 53.92	− 6 15.0	1.142	2.149	3.1	20.1
9 8	22 44.97	− 7 6.8	1.160	2.165	2.6	20.1
9 18	22 36.90	− 7 53.7	1.203	2.183	7.9	20.5
9 28	22 30.87	− 8 29.1	1.269	2.201	12.7	20.8
10 8	22 27.57	− 8 49.0	1.355	2.219	16.7	21.1
218465	2004 RO_{323}		9 3.2	348.°36	6.°0/10.5	18
7 30	23 7.46	+13 58.2	2.144	2.911	15.3	20.0
8 9	23 4.06	+13 51.8	2.058	2.910	12.9	19.8
8 19	22 58.98	+13 22.2	1.992	2.908	10.2	19.7
8 29	22 52.73	+12 29.4	1.948	2.906	7.7	19.5
9 8	22 46.02	+11 16.0	1.929	2.905	6.1	19.4
9 18	22 39.62	+ 9 47.3	1.937	2.904	6.6	19.5
9 28	22 34.32	+ 8 10.5	1.972	2.903	8.9	19.6
10 8	22 30.72	+ 6 33.7	2.033	2.902	11.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
293960	2007 TN_{41}		9 3.2	318.°50	2.°0/ 5.1	18
	h m	° ′			°	m
7 30	23 9.92	+ 0 35.4	1.764	2.609	15.1	21.0
8 9	23 6.19	+ 0 13.5	1.684	2.603	11.8	20.7
8 19	23 0.45	− 0 26.2	1.625	2.597	7.9	20.5
8 29	22 53.27	− 1 20.8	1.590	2.591	3.8	20.2
9 8	22 45.52	− 2 25.0	1.582	2.586	2.4	20.1
9 18	22 38.14	− 3 32.0	1.601	2.581	6.2	20.4
9 28	22 32.11	− 4 34.8	1.645	2.576	10.3	20.6
10 8	22 28.13	− 5 27.4	1.712	2.571	13.9	20.8
62526	2000 SS_{251}		9 3.2	188.°51	4.°9/28.9	18
7 30	23 14.00	−21 18.5	2.242	3.116	11.2	19.3
8 9	23 8.82	−22 10.2	2.180	3.115	8.6	19.1
8 19	23 1.85	−23 0.6	2.141	3.115	6.1	19.0
8 29	22 53.69	−23 43.5	2.129	3.114	4.9	18.9
9 8	22 45.16	−24 13.6	2.144	3.113	6.1	19.0
9 18	22 37.10	−24 27.4	2.187	3.113	8.6	19.2
9 28	22 30.31	−24 23.3	2.254	3.112	11.2	19.3
10 8	22 25.39	−24 2.0	2.343	3.110	13.6	19.5
507354	2011 UQ_{402}		9 3.2	224.°67	0.°3/ 3.8	16
7 30	23 3.18	− 3 54.3	4.584	5.416	6.7	21.9
8 9	22 59.99	− 4 19.5	4.497	5.414	5.0	21.8
8 19	22 56.06	− 4 50.1	4.436	5.411	3.2	21.6
8 29	22 51.65	− 5 24.5	4.403	5.408	1.2	21.5
9 8	22 47.06	− 6 0.5	4.400	5.405	0.9	21.4
9 18	22 42.61	− 6 36.1	4.427	5.402	2.9	21.6
9 28	22 38.63	− 7 9.2	4.484	5.399	4.8	21.7
10 8	22 35.38	− 7 37.8	4.567	5.395	6.4	21.9
286659	2002 EL_{99}		9 3.2	134.°34	5.°5/28.9	18
7 30	23 16.95	−21 15.1	1.977	2.850	12.5	20.5
8 9	23 11.14	−22 18.6	1.925	2.861	9.5	20.3
8 19	23 3.32	−23 20.2	1.897	2.871	6.8	20.2
8 29	22 54.20	−24 12.9	1.896	2.881	5.5	20.1
9 8	22 44.73	−24 50.1	1.922	2.890	6.8	20.2
9 18	22 35.89	−25 8.0	1.974	2.899	9.4	20.4
9 28	22 28.60	−25 5.5	2.051	2.907	12.2	20.6
10 8	22 23.45	−24 43.9	2.149	2.915	14.7	20.8
296691	2009 SC_{246}		9 3.2	276.°08	0.°4/ 2.4	17
7 30	23 3.54	− 7 56.7	4.393	5.240	6.7	20.7
8 9	23 0.29	− 8 24.5	4.310	5.237	5.0	20.6
8 19	22 56.26	− 8 56.4	4.253	5.234	3.0	20.4
8 29	22 51.72	− 9 30.5	4.225	5.232	1.0	20.3
9 8	22 47.00	−10 4.6	4.227	5.229	1.3	20.3
9 18	22 42.43	−10 36.3	4.258	5.226	3.3	20.5
9 28	22 38.36	−11 3.9	4.318	5.223	5.2	20.6
10 8	22 35.06	−11 25.5	4.404	5.220	6.9	20.7
186130	2001 TL_{162}		9 3.2	286.°58	1.°7/ 1.7	17
7 30	23 13.79	−10 50.0	2.000	2.865	12.7	21.1
8 9	23 9.00	−11 12.9	1.909	2.845	9.6	20.9
8 19	23 2.18	−11 42.7	1.841	2.825	5.9	20.6
8 29	22 53.89	−12 15.0	1.799	2.805	2.3	20.4
9 8	22 44.95	−12 44.7	1.785	2.785	3.2	20.4
9 18	22 36.30	−13 6.8	1.798	2.764	7.1	20.6
9 28	22 28.91	−13 17.8	1.837	2.744	10.9	20.8
10 8	22 23.50	−13 15.5	1.899	2.723	14.3	21.0
93480	2000 TZ_{20}		9 3.2	316.°01	2.°0/ 1.3	18
7 30	23 8.85	− 7 41.8	1.466	2.349	15.5	19.4
8 9	23 5.84	− 8 50.5	1.389	2.335	11.6	19.2
8 19	23 0.46	−10 15.3	1.334	2.322	7.1	18.9
8 29	22 53.33	−11 48.9	1.302	2.309	2.7	18.6
9 8	22 45.46	−13 21.4	1.297	2.297	4.1	18.6
9 18	22 38.00	−14 43.0	1.316	2.285	8.8	18.9
9 28	22 32.12	−15 45.8	1.359	2.273	13.4	19.1
10 8	22 28.66	−16 25.5	1.422	2.262	17.3	19.4
357200	2002 GU_5		9 3.2	45.°62	13.°5/21.5	18
7 30	23 27.24	−48 48.5	1.992	2.799	15.0	19.9
8 9	23 19.16	−49 53.9	1.978	2.813	14.0	19.8
8 19	23 8.28	−50 35.1	1.983	2.828	13.5	19.8
8 29	22 55.83	−50 44.1	2.008	2.843	13.7	19.9
9 8	22 43.37	−50 17.6	2.055	2.859	14.4	20.0
9 18	22 32.38	−49 16.8	2.120	2.874	15.5	20.1
9 28	22 23.96	−47 46.4	2.204	2.890	16.6	20.2
10 8	22 18.63	−45 53.5	2.305	2.906	17.7	20.4
519473	2012 BU_{158}		9 3.2	109.°44	2.°4/ 5.5	18
7 30	23 15.11	+ 0 27.1	2.429	3.245	12.3	21.3
8 9	23 9.42	+ 0 47.8	2.353	3.253	9.6	21.2
8 19	23 2.14	+ 0 57.8	2.300	3.262	6.6	21.0
8 29	22 53.79	+ 0 58.0	2.275	3.270	3.6	20.8
9 8	22 45.10	+ 0 50.6	2.278	3.277	2.6	20.7
9 18	22 36.78	+ 0 38.4	2.310	3.285	5.0	20.9
9 28	22 29.58	+ 0 24.8	2.370	3.293	8.0	21.1
10 8	22 24.02	+ 0 13.2	2.455	3.300	10.8	21.3

363480 2003 ST_{324} 9 3.2 20.°57 0.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.02	− 7 17.3	1.785	2.652	13.9	20.5
8 9	23 6.84	− 7 31.9	1.723	2.659	10.4	20.3
8 19	23 0.72	− 7 56.1	1.683	2.667	6.4	20.1
8 29	22 53.33	− 8 25.6	1.669	2.676	2.2	19.8
9 8	22 45.54	− 8 55.6	1.681	2.685	2.3	19.8
9 18	22 38.30	− 9 21.1	1.720	2.694	6.5	20.1
9 28	22 32.47	− 9 38.1	1.784	2.705	10.3	20.4
10 8	22 28.65	− 9 44.0	1.870	2.716	13.6	20.6

46550 1989 SZ_{13} 9 3.2 338.°42 5.°0/ 6.8 18

7 30	23 14.67	+ 4 16.9	1.682	2.506	16.6	18.7
8 9	23 9.90	+ 4 59.9	1.602	2.501	13.5	18.5
8 19	23 2.84	+ 5 25.9	1.543	2.497	9.9	18.3
8 29	22 54.13	+ 5 34.1	1.506	2.492	6.4	18.1
9 8	22 44.74	+ 5 26.2	1.495	2.488	5.0	18.0
9 18	22 35.76	+ 5 5.9	1.510	2.485	7.2	18.1
9 28	22 28.28	+ 4 38.7	1.550	2.482	10.8	18.3
10 8	22 23.10	+ 4 10.9	1.613	2.479	14.3	18.5

476860 2008 UW_{344} 9 3.2 255.°13 5.°6/27.6 18

7 30	23 12.53	−20 18.4	2.075	2.954	11.8	21.7
8 9	23 8.07	−21 51.3	1.998	2.937	9.0	21.5
8 19	23 1.62	−23 26.6	1.945	2.920	6.6	21.3
8 29	22 53.70	−24 56.2	1.920	2.902	5.7	21.2
9 8	22 45.15	−26 12.0	1.922	2.884	7.2	21.2
9 18	22 36.90	−27 7.7	1.950	2.866	10.0	21.4
9 28	22 29.91	−27 40.1	2.002	2.847	12.9	21.5
10 8	22 24.90	−27 48.8	2.074	2.828	15.6	21.7

285505 2000 DS_{57} 9 3.2 206.°36 0.°7/ 3.9 18

7 30	23 14.05	− 3 42.8	2.318	3.155	12.2	21.4
8 9	23 8.81	− 3 54.6	2.233	3.151	9.3	21.2
8 19	23 1.86	− 4 16.4	2.171	3.146	6.0	20.9
8 29	22 53.74	− 4 45.7	2.136	3.140	2.4	20.7
9 8	22 45.15	− 5 18.9	2.130	3.134	1.7	20.6
9 18	22 36.89	− 5 51.7	2.153	3.128	5.3	20.9
9 28	22 29.73	− 6 20.1	2.203	3.121	8.8	21.1
10 8	22 24.27	− 6 40.9	2.278	3.114	11.8	21.3

226810 2004 RL_{222} 9 3.2 88.°59 1.°7/ 5.2 18

7 30	23 8.48	+ 1 18.8	2.258	3.088	12.7	20.9
8 9	23 4.65	+ 0 43.1	2.180	3.091	9.9	20.7
8 19	22 59.27	− 0 7.6	2.125	3.093	6.6	20.5
8 29	22 52.83	− 1 10.4	2.096	3.096	3.2	20.3
9 8	22 46.01	− 2 20.6	2.095	3.098	2.0	20.2
9 18	22 39.53	− 3 32.4	2.122	3.101	5.1	20.4
9 28	22 34.09	− 4 40.3	2.177	3.103	8.4	20.6
10 8	22 30.24	− 5 39.2	2.256	3.106	11.4	20.8

391316 2006 TD_{76} 9 3.2 351.°94 11.°6/27.9 15

7 30	23 17.45	−28 54.2	1.018	1.923	18.9	20.2
8 9	23 13.31	−29 50.2	0.970	1.915	15.5	20.0
8 19	23 5.47	−30 33.6	0.940	1.908	12.6	19.8
8 29	22 55.09	−30 50.9	0.930	1.903	11.6	19.7
9 8	22 43.99	−30 32.1	0.940	1.900	13.1	19.8
9 18	22 34.13	−29 34.5	0.970	1.897	16.4	20.0
9 28	22 27.12	−28 2.0	1.018	1.897	19.9	20.2
10 8	22 23.82	−26 2.9	1.082	1.898	23.2	20.5

267739 2003 FM_{104} 9 3.2 104.°73 1.°8/ 5.1 17

7 30	23 13.01	+ 1 28.6	1.853	2.685	15.0	20.8
8 9	23 8.21	+ 0 49.0	1.792	2.703	11.6	20.6
8 19	23 1.53	− 0 8.2	1.752	2.721	7.7	20.4
8 29	22 53.61	− 1 19.0	1.738	2.739	3.6	20.2
9 8	22 45.33	− 2 37.2	1.752	2.756	2.2	20.2
9 18	22 37.61	− 3 55.7	1.794	2.772	5.9	20.4
9 28	22 31.30	− 5 7.7	1.862	2.789	9.6	20.7
10 8	22 26.98	− 6 7.9	1.955	2.804	12.9	21.0

288096 2003 WD_{19} 9 3.2 287.°31 5.°4/ 6.9 18

7 30	23 14.37	+ 5 15.0	1.454	2.285	18.4	20.8
8 9	23 10.11	+ 5 44.3	1.370	2.273	15.0	20.5
8 19	23 3.23	+ 5 52.3	1.305	2.261	11.1	20.2
8 29	22 54.35	+ 5 37.8	1.261	2.249	7.2	20.0
9 8	22 44.55	+ 5 3.4	1.242	2.237	5.4	19.9
9 18	22 35.12	+ 4 14.4	1.247	2.225	8.0	20.0
9 28	22 27.35	+ 3 18.9	1.276	2.213	12.2	20.2
10 8	22 22.23	+ 2 25.7	1.327	2.201	16.3	20.4

205662 2001 XH_{166} 9 3.2 122.°71 3.°5/31.3 18

7 30	23 15.95	−11 58.7	1.442	2.323	15.8	20.1
8 9	23 10.99	−13 10.4	1.387	2.332	11.7	19.9
8 19	23 3.52	−14 31.1	1.354	2.340	7.3	19.6
8 29	22 54.35	−15 51.9	1.346	2.349	3.7	19.4
9 8	22 44.67	−17 3.0	1.363	2.357	5.3	19.6
9 18	22 35.72	−17 56.8	1.407	2.365	9.5	19.8
9 28	22 28.66	−18 28.7	1.474	2.372	13.6	20.1
10 8	22 24.22	−18 37.9	1.561	2.379	17.1	20.4

162093 1998 QV_{10} 9 3.2 352.°28 1.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.44	− 4 54.3	1.082	1.975	19.0	18.1
8 9	23 6.13	− 4 23.3	1.015	1.963	14.7	17.8
8 19	23 0.91	− 4 6.9	0.966	1.952	9.6	17.5
8 29	22 53.56	− 4 3.0	0.938	1.944	4.0	17.2
9 8	22 45.34	− 4 7.0	0.932	1.937	2.9	17.1
9 18	22 37.75	− 4 13.4	0.948	1.933	8.4	17.4
9 28	22 32.21	− 4 15.9	0.985	1.931	13.8	17.7
10 8	22 29.67	− 4 9.5	1.041	1.931	18.4	18.0

448060 2008 FK_{134} 9 3.2 30.°27 1.°1/ 2.2 18

7 30	23 9.65	− 7 39.0	1.774	2.646	13.8	20.5
8 9	23 5.82	− 8 19.2	1.717	2.656	10.3	20.4
8 19	23 0.10	− 9 9.5	1.681	2.666	6.3	20.1
8 29	22 53.14	−10 4.8	1.671	2.678	2.1	19.9
9 8	22 45.80	−10 58.5	1.687	2.689	2.8	20.0
9 18	22 39.00	−11 44.9	1.730	2.702	6.8	20.3
9 28	22 33.58	−12 19.3	1.798	2.714	10.5	20.5
10 8	22 30.15	−12 39.0	1.889	2.727	13.7	20.7

73336 2002 JA_{111} 9 3.2 94.°56 5.°7/10.7 18

7 30	23 10.90	+14 27.9	2.549	3.294	13.7	19.9
8 9	23 6.26	+14 39.0	2.479	3.313	11.6	19.8
8 19	23 0.17	+14 31.3	2.429	3.332	9.2	19.7
8 29	22 53.13	+14 4.5	2.403	3.351	7.1	19.6
9 8	22 45.80	+13 20.8	2.404	3.369	5.8	19.5
9 18	22 38.83	+12 23.8	2.431	3.387	6.2	19.6
9 28	22 32.90	+11 18.7	2.487	3.405	7.9	19.7
10 8	22 28.48	+10 11.4	2.567	3.423	10.0	19.9

379599 2011 CY_{37} 9 3.2 209.°84 1.°4/ 1.9 17

7 30	23 14.95	− 8 28.4	1.795	2.658	14.0	21.8
8 9	23 9.95	− 9 10.6	1.719	2.654	10.5	21.6
8 19	23 2.80	−10 3.4	1.665	2.649	6.5	21.3
8 29	22 54.12	−11 1.2	1.638	2.644	2.3	21.0
9 8	22 44.85	−11 57.3	1.638	2.639	3.1	21.1
9 18	22 36.03	−12 45.4	1.665	2.633	7.4	21.3
9 28	22 28.67	−13 20.4	1.718	2.626	11.4	21.6
10 8	22 23.49	−13 39.6	1.793	2.619	14.9	21.8

430176 2013 TE_{98} 9 3.2 353.°54 0.°5/ 3.6 17

7 30	23 11.07	− 3 8.5	1.326	2.198	17.5	21.0
8 9	23 7.60	− 3 40.3	1.259	2.196	13.3	20.8
8 19	23 1.58	− 4 31.2	1.211	2.194	8.5	20.5
8 29	22 53.74	− 5 35.9	1.187	2.193	3.2	20.2
9 8	22 45.21	− 6 46.5	1.187	2.192	2.5	20.1
9 18	22 37.27	− 7 53.9	1.212	2.192	7.9	20.5
9 28	22 31.13	− 8 49.7	1.260	2.192	12.8	20.8
10 8	22 27.61	− 9 28.5	1.329	2.192	16.9	21.0

509372 2007 BB_{67} 9 3.2 246.°03 0.°2/ 3.3 18

7 30	23 14.41	− 4 33.0	1.815	2.668	14.4	22.5
8 9	23 9.62	− 5 0.2	1.727	2.655	11.0	22.3
8 19	23 2.66	− 5 40.9	1.662	2.641	7.0	22.0
8 29	22 54.11	− 6 31.2	1.621	2.627	2.5	21.7
9 8	22 44.85	− 7 25.5	1.609	2.613	2.2	21.7
9 18	22 35.93	− 8 17.4	1.623	2.598	6.8	21.9
9 28	22 28.37	− 9 0.9	1.664	2.583	11.0	22.2
10 8	22 22.98	− 9 31.8	1.727	2.567	14.7	22.4

355717 2008 FJ_{135} 9 3.2 153.°16 1.°8/ 1.1 18

7 30	23 11.57	−11 8.3	2.388	3.250	11.0	21.2
8 9	23 6.86	−11 51.9	2.319	3.254	8.2	21.1
8 19	23 0.60	−12 41.2	2.274	3.258	5.0	20.9
8 29	22 53.30	−13 31.6	2.257	3.262	2.1	20.7
9 8	22 45.66	−14 18.2	2.269	3.266	3.1	20.8
9 18	22 38.40	−14 56.7	2.309	3.269	6.2	21.0
9 28	22 32.22	−15 23.9	2.376	3.273	9.2	21.2
10 8	22 27.65	−15 38.0	2.467	3.275	11.8	21.4

91769 1999 TS_{198} 9 3.2 252.°30 3.°7/30.3 18

7 30	23 13.55	−18 13.1	2.383	3.253	10.8	19.8
8 9	23 8.44	−18 50.4	2.308	3.245	8.1	19.6
8 19	23 1.63	−19 28.4	2.257	3.236	5.4	19.5
8 29	22 53.67	−20 2.1	2.234	3.228	3.7	19.3
9 8	22 45.31	−20 26.7	2.238	3.220	4.8	19.4
9 18	22 37.31	−20 38.8	2.270	3.211	7.5	19.6
9 28	22 30.46	−20 36.4	2.328	3.203	10.3	19.7
10 8	22 25.34	−20 19.2	2.409	3.194	12.8	19.9

287185 2002 RB_{273} 9 3.2 268.°87 0.°4/ 3.5 17

7 30	23 11.96	− 2 49.6	1.543	2.405	16.0	21.0
8 9	23 8.08	− 3 32.1	1.463	2.394	12.3	20.8
8 19	23 1.83	− 4 33.1	1.403	2.384	7.8	20.5
8 29	22 53.84	− 5 47.9	1.367	2.373	2.9	20.2
9 8	22 45.11	− 7 8.9	1.358	2.363	2.4	20.1
9 18	22 36.77	− 8 27.3	1.374	2.352	7.4	20.4
9 28	22 29.99	− 9 34.8	1.416	2.341	12.1	20.6
10 8	22 25.60	−10 25.7	1.479	2.330	16.2	20.9

216490 1999 XG_{10} 9 3.2 343.°14 6.°1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.45	+ 7 44.3	1.668	2.485	17.0	18.9
8 9	23 6.07	+ 8 24.9	1.584	2.474	14.1	18.7
8 19	23 0.52	+ 8 45.4	1.518	2.463	10.8	18.4
8 29	22 53.38	+ 8 44.3	1.475	2.453	7.7	18.2
9 8	22 45.54	+ 8 23.0	1.457	2.444	6.1	18.1
9 18	22 38.02	+ 7 45.5	1.462	2.435	7.6	18.2
9 28	22 31.89	+ 6 58.3	1.493	2.428	10.8	18.4
10 8	22 27.93	+ 6 9.1	1.545	2.422	14.2	18.6

358941 2008 JH_6 9 3.2 77.°89 0.°7/ 4.1 18

7 30	23 8.69	− 0 58.6	2.168	3.009	12.8	20.5
8 9	23 4.82	− 1 53.2	2.101	3.021	9.7	20.3
8 19	22 59.37	− 3 1.9	2.058	3.033	6.2	20.2
8 29	22 52.88	− 4 20.6	2.041	3.045	2.5	19.9
9 8	22 46.07	− 5 43.4	2.053	3.057	1.7	19.9
9 18	22 39.66	− 7 3.8	2.093	3.070	5.3	20.2
9 28	22 34.36	− 8 16.1	2.160	3.082	8.8	20.4
10 8	22 30.69	− 9 16.0	2.252	3.094	11.7	20.6

523327 2017 BX_{138} 9 3.2 265.°93 4.°3/29.0 18

7 30	23 10.92	−19 5.8	2.405	3.280	10.5	21.5
8 9	23 6.54	−20 7.3	2.329	3.267	8.0	21.3
8 19	23 0.49	−21 10.1	2.277	3.255	5.5	21.1
8 29	22 53.30	−22 8.5	2.253	3.242	4.3	21.0
9 8	22 45.66	−22 56.7	2.256	3.229	5.5	21.1
9 18	22 38.32	−23 30.5	2.286	3.216	8.1	21.2
9 28	22 32.05	−23 47.2	2.342	3.203	10.7	21.4
10 8	22 27.44	−23 46.4	2.420	3.190	13.1	21.5

147530 2004 DF_{60} 9 3.2 50.°65 1.°1/ 3.9 17

7 30	23 14.70	− 2 55.5	1.271	2.140	18.3	19.3
8 9	23 10.14	− 3 9.8	1.223	2.157	13.9	19.1
8 19	23 3.00	− 3 41.7	1.194	2.175	8.9	18.9
8 29	22 54.17	− 4 26.3	1.187	2.192	3.5	18.6
9 8	22 44.93	− 5 16.5	1.206	2.211	2.5	18.6
9 18	22 36.56	− 6 4.3	1.249	2.230	7.6	19.0
9 28	22 30.20	− 6 43.0	1.316	2.249	12.2	19.3
10 8	22 26.54	− 7 8.1	1.404	2.268	16.2	19.6

263833 2008 TJ_{53} 9 3.2 311.°69 0.°3/ 2.7 17

7 30	23 5.08	− 7 50.5	4.111	4.957	7.1	20.4
8 9	23 1.49	− 8 6.8	4.026	4.952	5.3	20.2
8 19	22 57.05	− 8 27.4	3.966	4.946	3.3	20.1
8 29	22 52.05	− 8 50.2	3.935	4.941	1.1	19.9
9 8	22 46.84	− 9 13.1	3.933	4.936	1.2	19.9
9 18	22 41.80	− 9 34.2	3.962	4.931	3.4	20.1
9 28	22 37.30	− 9 51.3	4.018	4.927	5.5	20.2
10 8	22 33.66	−10 3.1	4.101	4.922	7.3	20.4

520199 2014 DC_{150} 9 3.2 152.°94 1.°1/ 2.3 18

7 30	23 17.64	−10 4.5	2.120	2.974	12.6	21.8
8 9	23 11.53	−10 13.4	2.050	2.979	9.4	21.7
8 19	23 3.56	−10 28.0	2.002	2.984	5.8	21.4
8 29	22 54.35	−10 44.5	1.983	2.989	2.0	21.2
9 8	22 44.74	−10 58.9	1.991	2.993	2.5	21.3
9 18	22 35.64	−11 7.6	2.029	2.997	6.3	21.5
9 28	22 27.88	−11 8.0	2.093	3.000	9.8	21.7
10 8	22 22.09	−10 58.7	2.182	3.003	12.8	21.9

20747 2000 AM_{186} 9 3.2 104.°42 4.°3/29.5 18

7 30	23 12.05	−15 13.2	1.870	2.749	12.8	17.3
8 9	23 7.61	−16 45.3	1.817	2.761	9.5	17.1
8 19	23 1.22	−18 22.0	1.789	2.772	6.2	17.0
8 29	22 53.55	−19 54.8	1.787	2.783	4.3	16.9
9 8	22 45.48	−21 15.6	1.813	2.794	5.8	17.0
9 18	22 37.96	−22 18.2	1.866	2.805	9.0	17.2
9 28	22 31.85	−22 58.9	1.943	2.816	12.1	17.4
10 8	22 27.77	−23 17.6	2.041	2.826	14.8	17.6

26325 1998 VD_{29} 9 3.2 283.°26 7.°7/24.7 18

7 30	23 13.13	−30 30.6	2.317	3.186	11.1	17.5
8 9	23 8.37	−31 47.2	2.255	3.173	9.2	17.4
8 19	23 1.71	−32 57.1	2.217	3.161	7.9	17.3
8 29	22 53.74	−33 53.0	2.204	3.148	7.8	17.3
9 8	22 45.28	−34 28.9	2.218	3.136	9.0	17.3
9 18	22 37.25	−34 41.4	2.255	3.123	10.9	17.4
9 28	22 30.52	−34 30.0	2.315	3.111	13.0	17.6
10 8	22 25.72	−33 56.5	2.394	3.098	15.0	17.7

255571 2006 KY_{100} 9 3.2 358.°17 3.°1/31.9 17

7 30	23 10.69	−10 11.1	1.126	2.026	17.9	19.8
8 9	23 7.69	−11 8.3	1.069	2.023	13.4	19.6
8 19	23 1.80	−12 19.4	1.031	2.021	8.2	19.3
8 29	22 53.86	−13 35.1	1.014	2.020	3.5	19.0
9 8	22 45.19	−14 44.2	1.021	2.020	5.2	19.1
9 18	22 37.26	−15 36.9	1.051	2.021	10.3	19.4
9 28	22 31.45	−16 6.8	1.102	2.022	15.2	19.7
10 8	22 28.58	−16 11.9	1.171	2.025	19.4	20.0

62037 2000 RQ_{62} 9 3.2 50.°34 2.°0/ 1.7 18

	h m	° ′			°	m
7 30	23 13.45	− 7 14.1	1.092	1.983	19.0	17.0
8 9	23 9.43	− 8 23.0	1.056	2.005	14.0	16.8
8 19	23 2.62	− 9 47.3	1.039	2.028	8.5	16.6
8 29	22 54.04	−11 16.9	1.045	2.052	3.0	16.4
9 8	22 45.11	−12 39.8	1.074	2.076	4.2	16.5
9 18	22 37.25	−13 46.4	1.127	2.100	9.4	16.9
9 28	22 31.62	−14 30.5	1.203	2.124	14.1	17.2
10 8	22 28.87	−14 50.6	1.297	2.149	18.0	17.6

175666 1993 TS_9 9 3.2 312.°67 2.°2/ 5.1 18

7 30	23 11.31	− 0 0.3	1.773	2.617	15.0	20.8
8 9	23 7.28	− 0 5.6	1.691	2.609	11.8	20.5
8 19	23 1.19	− 0 26.9	1.629	2.600	7.9	20.3
8 29	22 53.60	− 1 2.2	1.592	2.592	3.9	20.0
9 8	22 45.41	− 1 46.9	1.581	2.584	2.6	19.9
9 18	22 37.57	− 2 35.5	1.597	2.577	6.3	20.2
9 28	22 31.09	− 3 21.6	1.638	2.569	10.3	20.4
10 8	22 26.69	− 3 59.8	1.702	2.562	14.0	20.6

355484 2007 WN_{27} 9 3.2 312.°72 4.°8/30.1 18

7 30	23 13.34	−17 38.9	1.680	2.565	13.8	20.4
8 9	23 8.99	−18 28.8	1.606	2.551	10.4	20.1
8 19	23 2.33	−19 21.6	1.555	2.538	7.0	19.9
8 29	22 54.02	−20 9.8	1.529	2.525	4.8	19.7
9 8	22 45.06	−20 45.9	1.528	2.512	6.3	19.8
9 18	22 36.57	−21 4.3	1.553	2.500	9.8	20.0
9 28	22 29.66	−21 2.1	1.601	2.488	13.4	20.2
10 8	22 25.09	−20 39.5	1.670	2.477	16.7	20.4

219508 2001 KE_6 9 3.2 211.°24 5.°3/10.9 18

7 30	23 9.42	+15 16.6	3.030	3.760	12.0	20.5
8 9	23 5.10	+15 23.7	2.931	3.754	10.3	20.4
8 19	22 59.48	+15 14.3	2.853	3.747	8.3	20.2
8 29	22 52.96	+14 47.8	2.799	3.740	6.5	20.1
9 8	22 46.05	+14 5.4	2.772	3.733	5.4	20.0
9 18	22 39.33	+13 10.0	2.773	3.725	5.7	20.0
9 28	22 33.39	+12 5.8	2.802	3.717	7.3	20.1
10 8	22 28.73	+10 57.8	2.857	3.708	9.2	20.2

302363 2002 CC 9 3.2 105.°23 8.°9/21.5 18

7 30	23 22.41	−44 11.2	3.029	3.836	10.4	21.3
8 9	23 14.74	−45 22.7	3.021	3.866	9.4	21.3
8 19	23 5.33	−46 18.7	3.036	3.895	8.9	21.3
8 29	22 54.90	−46 54.1	3.076	3.923	9.1	21.3
9 8	22 44.36	−47 5.9	3.141	3.950	9.8	21.4
9 18	22 34.59	−46 53.9	3.227	3.977	10.7	21.5
9 28	22 26.36	−46 19.9	3.335	4.003	11.7	21.6
10 8	22 20.18	−45 27.5	3.460	4.029	12.6	21.8

392201 2009 SL_{257} 9 3.2 263.°99 0.°8/ 1.6 18

7 30	23 5.67	−11 17.0	4.560	5.410	6.4	21.5
8 9	23 1.87	−11 32.9	4.470	5.399	4.7	21.3
8 19	22 57.27	−11 51.3	4.407	5.388	2.9	21.2
8 29	22 52.15	−12 10.3	4.372	5.377	1.1	21.0
9 8	22 46.83	−12 28.0	4.367	5.366	1.6	21.1
9 18	22 41.66	−12 42.7	4.393	5.355	3.4	21.2
9 28	22 36.97	−12 52.6	4.447	5.344	5.3	21.3
10 8	22 33.07	−12 56.8	4.528	5.333	6.9	21.4

238503 2004 SF_{54} 9 3.2 13.°75 3.°5/ 6.3 18

7 30	22 54.30	+ 6 1.4	0.668	1.578	25.3	18.4
8 9	22 56.15	+ 4 59.2	0.633	1.585	20.0	18.1
8 19	22 54.90	+ 3 9.6	0.611	1.595	13.8	17.8
8 29	22 51.51	+ 0 41.5	0.605	1.608	7.1	17.6
9 8	22 47.46	− 2 5.7	0.618	1.623	3.7	17.5
9 18	22 44.31	− 4 48.9	0.650	1.642	9.0	17.8
9 28	22 43.40	− 7 7.3	0.701	1.663	15.0	18.3
10 8	22 45.42	− 8 48.9	0.769	1.686	20.1	18.7

521551 2015 OK_{102} 9 3.2 327.°07 3.°3/ 6.1 17

7 30	23 10.71	+ 2 18.3	1.914	2.745	14.6	21.1
8 9	23 6.73	+ 2 30.3	1.828	2.735	11.6	20.9
8 19	23 0.80	+ 2 26.8	1.762	2.725	8.2	20.7
8 29	22 53.49	+ 2 8.5	1.721	2.715	4.7	20.5
9 8	22 45.59	+ 1 38.7	1.706	2.706	3.4	20.3
9 18	22 37.99	+ 1 1.5	1.718	2.697	6.0	20.5
9 28	22 31.63	+ 0 22.6	1.755	2.688	9.7	20.7
10 8	22 27.20	− 0 12.6	1.816	2.680	13.1	20.9

57420 2001 SE_7 9 3.2 293.°05 0.°4/ 2.9 18

7 30	23 12.28	− 5 39.7	1.523	2.393	15.8	19.8
8 9	23 8.44	− 6 12.6	1.439	2.376	12.0	19.5
8 19	23 2.15	− 7 0.8	1.375	2.359	7.5	19.2
8 29	22 54.03	− 7 59.6	1.335	2.342	2.6	18.9
9 8	22 45.06	− 9 1.7	1.321	2.325	2.7	18.8
9 18	22 36.46	− 9 59.3	1.333	2.308	7.9	19.1
9 28	22 29.42	−10 45.2	1.368	2.291	12.6	19.3
10 8	22 24.83	−11 14.7	1.425	2.275	16.8	19.5

479169 2013 CS_{31} 9 3.2 164.°76 5.°5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.11	−24 6.6	2.380	3.249	10.8	20.8
8 9	23 9.58	−24 59.5	2.321	3.251	8.4	20.7
8 19	23 2.33	−25 48.8	2.288	3.254	6.3	20.5
8 29	22 53.95	−26 28.8	2.281	3.256	5.5	20.5
9 8	22 45.23	−26 54.3	2.301	3.258	6.6	20.6
9 18	22 37.00	−27 2.4	2.348	3.260	8.8	20.7
9 28	22 30.03	−26 52.2	2.421	3.261	11.1	20.9
10 8	22 24.89	−26 24.8	2.514	3.262	13.3	21.0

233914 2009 RD_{60} 9 3.2 347.°12 8.°8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.81	+17 54.2	1.720	2.484	18.6	19.5
8 9	23 2.60	+18 14.9	1.633	2.473	16.2	19.3
8 19	22 58.37	+18 6.5	1.564	2.464	13.5	19.1
8 29	22 52.67	+17 26.3	1.514	2.455	10.9	18.9
9 8	22 46.34	+16 15.4	1.486	2.448	9.1	18.8
9 18	22 40.33	+14 38.9	1.483	2.441	9.1	18.8
9 28	22 35.63	+12 45.8	1.503	2.436	11.0	18.9
10 8	22 32.99	+10 47.3	1.547	2.431	13.8	19.1

147946 4084 $T\text{-}_3$ 9 3.2 334.°29 3.°1/ 1.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.99	−10 42.7	1.102	2.006	17.9	19.8
8 9	23 6.66	−11 28.6	1.033	1.989	13.5	19.4
8 19	23 1.35	−12 28.5	0.983	1.974	8.4	19.1
8 29	22 53.81	−13 34.1	0.954	1.960	3.6	18.8
9 8	22 45.31	−14 34.5	0.947	1.947	5.3	18.9
9 18	22 37.38	−15 19.7	0.963	1.935	10.7	19.1
9 28	22 31.51	−15 42.5	0.999	1.925	15.9	19.4
10 8	22 28.71	−15 40.3	1.053	1.916	20.5	19.6

469380 2001 SX_{182} 9 3.2 351.°24 0.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.00	− 4 13.8	1.106	1.998	18.8	20.5
8 9	23 5.75	− 4 29.9	1.042	1.989	14.4	20.2
8 19	23 0.67	− 5 5.3	0.996	1.982	9.2	19.9
8 29	22 53.54	− 5 55.5	0.970	1.977	3.4	19.5
9 8	22 45.61	− 6 51.9	0.967	1.973	2.7	19.5
9 18	22 38.30	− 7 45.4	0.987	1.970	8.6	19.8
9 28	22 32.99	− 8 27.0	1.028	1.969	14.0	20.1
10 8	22 30.58	− 8 51.2	1.088	1.969	18.6	20.4

384947 2012 TA_{127} 9 3.2 338.°96 0.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.82	− 4 48.6	1.610	2.477	15.2	20.7
8 9	23 7.06	− 5 35.5	1.539	2.474	11.5	20.5
8 19	23 1.11	− 6 37.8	1.489	2.473	7.1	20.3
8 29	22 53.62	− 7 50.0	1.464	2.471	2.4	20.0
9 8	22 45.56	− 9 4.5	1.465	2.469	2.5	20.0
9 18	22 37.97	−10 13.3	1.493	2.468	7.3	20.3
9 28	22 31.88	−11 9.7	1.545	2.466	11.6	20.5
10 8	22 28.02	−11 49.3	1.619	2.465	15.3	20.7

290244 2005 SB_{98} 9 3.2 194.°33 4.°1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.98	+ 7 20.1	2.227	3.025	13.9	21.1
8 9	23 5.88	+ 7 16.4	2.143	3.025	11.3	21.0
8 19	23 0.13	+ 6 54.9	2.081	3.025	8.3	20.8
8 29	22 53.24	+ 6 16.5	2.043	3.024	5.5	20.6
9 8	22 45.91	+ 5 24.2	2.032	3.024	4.1	20.5
9 18	22 38.89	+ 4 22.7	2.049	3.023	5.6	20.6
9 28	22 32.94	+ 3 17.8	2.092	3.023	8.5	20.8
10 8	22 28.66	+ 2 15.5	2.161	3.022	11.4	21.0

435070 2007 AW_{13} 9 3.2 213.°02 2.°6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.19	−11 7.5	1.929	2.796	13.1	22.2
8 9	23 9.32	−12 12.5	1.851	2.789	9.7	22.0
8 19	23 2.42	−13 26.3	1.798	2.783	6.0	21.8
8 29	22 54.07	−14 42.5	1.771	2.775	2.8	21.6
9 8	22 45.14	−15 53.7	1.772	2.767	4.2	21.6
9 18	22 36.59	−16 53.1	1.801	2.758	7.9	21.8
9 28	22 29.39	−17 36.0	1.856	2.749	11.5	22.0
10 8	22 24.23	−18 0.3	1.932	2.739	14.7	22.2

92235 2000 AK_{104} 9 3.2 269.°47 0.°2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.22	− 3 43.3	2.368	3.214	11.7	19.7
8 9	23 5.28	− 4 19.9	2.277	3.201	8.9	19.5
8 19	22 59.75	− 5 8.0	2.210	3.188	5.6	19.3
8 29	22 53.12	− 6 4.3	2.169	3.174	2.1	19.0
9 8	22 46.01	− 7 4.3	2.156	3.161	1.7	19.0
9 18	22 39.14	− 8 2.8	2.172	3.147	5.3	19.2
9 28	22 33.24	− 8 54.8	2.216	3.133	8.8	19.4
10 8	22 28.89	− 9 36.6	2.283	3.120	11.8	19.6

47245 1999 VX_{53} 9 3.2 101.°73 3.°0/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.26	−12 19.6	1.486	2.363	15.6	19.5
8 9	23 11.92	−13 1.2	1.429	2.372	11.6	19.3
8 19	23 4.11	−13 50.0	1.394	2.380	7.2	19.0
8 29	22 54.64	−14 38.7	1.384	2.388	3.3	18.8
9 8	22 44.68	−15 19.7	1.400	2.396	4.6	18.9
9 18	22 35.48	−15 47.0	1.441	2.404	8.9	19.2
9 28	22 28.15	−15 57.0	1.507	2.412	13.0	19.5
10 8	22 23.41	−15 49.2	1.593	2.419	16.5	19.7

46944 1998 SO_{102} 9 3.2 130.°60 3.°1/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.90	−14 55.4	2.048	2.916	12.4	18.7
8 9	23 10.31	−15 33.4	1.987	2.924	9.2	18.5
8 19	23 2.85	−16 14.3	1.950	2.932	5.8	18.3
8 29	22 54.17	−16 52.8	1.939	2.940	3.2	18.2
9 8	22 45.12	−17 23.3	1.957	2.948	4.3	18.3
9 18	22 36.63	−17 41.8	2.002	2.955	7.5	18.5
9 28	22 29.53	−17 46.0	2.073	2.962	10.7	18.7
10 8	22 24.41	−17 35.6	2.167	2.969	13.5	18.9

475409 2006 JQ_{31} 9 3.2 64.°46 9.°1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.77	−29 5.8	1.708	2.589	13.8	20.9
8 9	23 10.74	−30 36.8	1.668	2.596	11.3	20.8
8 19	23 3.33	−31 58.9	1.650	2.603	9.4	20.7
8 29	22 54.36	−33 2.4	1.657	2.610	9.2	20.7
9 8	22 44.98	−33 39.8	1.687	2.618	10.5	20.8
9 18	22 36.37	−33 47.8	1.741	2.625	12.8	21.0
9 28	22 29.59	−33 27.1	1.817	2.633	15.3	21.1
10 8	22 25.30	−32 41.3	1.910	2.641	17.4	21.3

222181 2000 CK_{28} 9 3.2 263.°21 0.°8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.87	− 5 47.2	2.429	3.283	11.2	20.3
8 9	23 4.22	− 6 54.9	2.344	3.274	8.3	20.1
8 19	22 59.08	− 8 13.8	2.283	3.265	5.1	19.9
8 29	22 52.89	− 9 39.4	2.250	3.256	1.7	19.6
9 8	22 46.27	−11 5.7	2.246	3.247	2.3	19.7
9 18	22 39.89	−12 26.8	2.271	3.238	5.7	19.9
9 28	22 34.45	−13 37.3	2.323	3.229	9.0	20.1
10 8	22 30.50	−14 33.6	2.400	3.220	11.8	20.3

164549 2006 JE_{58} 9 3.2 68.°95 3.°3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.69	− 0 6.7	1.699	2.529	16.2	19.6
8 9	23 14.14	+ 0 36.3	1.637	2.545	12.7	19.4
8 19	23 5.34	+ 1 5.7	1.597	2.562	8.7	19.3
8 29	22 55.06	+ 1 21.8	1.582	2.578	4.8	19.1
9 8	22 44.35	+ 1 27.0	1.594	2.594	3.5	19.0
9 18	22 34.35	+ 1 24.6	1.634	2.611	6.6	19.2
9 28	22 26.06	+ 1 19.1	1.700	2.627	10.4	19.5
10 8	22 20.18	+ 1 14.8	1.790	2.643	13.7	19.8

224722 2006 BD_{181} 9 3.2 317.°91 3.°3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.95	−11 27.3	1.973	2.852	12.3	19.3
8 9	23 3.93	−13 9.9	1.894	2.839	9.1	19.1
8 19	22 59.09	−15 3.5	1.839	2.826	5.7	18.8
8 29	22 52.93	−17 0.2	1.812	2.813	3.4	18.7
9 8	22 46.22	−18 50.9	1.812	2.800	5.0	18.7
9 18	22 39.79	−20 27.3	1.840	2.788	8.5	18.9
9 28	22 34.51	−21 43.4	1.894	2.776	11.9	19.1
10 8	22 31.05	−22 36.2	1.969	2.765	14.9	19.3

441778 2009 DZ_{45} 9 3.2 189.°28 0.°2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.44	− 3 35.3	2.379	3.221	11.7	21.7
8 9	23 6.13	− 4 42.6	2.297	3.221	8.8	21.5
8 19	23 0.26	− 6 2.6	2.240	3.219	5.5	21.3
8 29	22 53.32	− 7 30.7	2.211	3.217	1.9	21.1
9 8	22 45.95	− 9 0.9	2.212	3.215	1.9	21.1
9 18	22 38.88	−10 27.0	2.242	3.212	5.5	21.3
9 28	22 32.82	−11 43.2	2.300	3.209	8.9	21.5
10 8	22 28.33	−12 45.6	2.382	3.205	11.8	21.7

439289 2012 UF_{139} 9 3.2 103.°37 5.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.25	+10 30.6	1.901	2.686	16.4	20.9
8 9	23 9.27	+10 50.4	1.832	2.699	13.6	20.8
8 19	23 2.32	+10 48.6	1.782	2.712	10.5	20.6
8 29	22 54.04	+10 25.0	1.756	2.724	7.5	20.4
9 8	22 45.31	+ 9 42.1	1.755	2.737	5.9	20.4
9 18	22 37.06	+ 8 44.9	1.781	2.749	7.0	20.5
9 28	22 30.21	+ 7 40.2	1.833	2.761	9.7	20.7
10 8	22 25.39	+ 6 35.5	1.910	2.773	12.6	20.9

397345 2006 UN_{37} 9 3.2 317.°43 0.°6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.02	− 3 41.6	1.882	2.737	13.9	21.5
8 9	23 6.96	− 4 2.3	1.803	2.730	10.6	21.2
8 19	23 0.96	− 4 36.0	1.746	2.724	6.8	21.0
8 29	22 53.59	− 5 19.1	1.713	2.719	2.6	20.7
9 8	22 45.70	− 6 6.8	1.708	2.713	1.9	20.7
9 18	22 38.17	− 6 53.2	1.730	2.708	6.2	20.9
9 28	22 31.93	− 7 33.1	1.778	2.702	10.1	21.2
10 8	22 27.64	− 8 2.2	1.849	2.698	13.6	21.4

177265 2003 WX_{75} 9 3.2 286.°75 4.°1/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.06	+ 2 31.6	1.439	2.281	18.0	20.6
8 9	23 10.63	+ 2 51.1	1.360	2.273	14.4	20.4
8 19	23 3.58	+ 2 50.8	1.300	2.265	10.2	20.1
8 29	22 54.59	+ 2 31.0	1.262	2.257	5.9	19.8
9 8	22 44.75	+ 1 55.4	1.249	2.249	4.2	19.7
9 18	22 35.36	+ 1 9.9	1.262	2.242	7.6	19.9
9 28	22 27.69	+ 0 22.3	1.298	2.234	12.1	20.1
10 8	22 22.67	− 0 19.9	1.356	2.227	16.2	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
235144	2003 QQ_{81}		9 3.2	60.°19	0.°0/ 3.1	18
	h m	° ′			°	m
7 30	23 19.21	− 7 45.2	1.567	2.429	15.8	19.9
8 9	23 13.16	− 7 36.0	1.512	2.444	11.9	19.7
8 19	23 4.77	− 7 35.8	1.478	2.459	7.4	19.4
8 29	22 54.88	− 7 40.9	1.468	2.475	2.5	19.2
9 8	22 44.61	− 7 46.9	1.486	2.490	2.4	19.2
9 18	22 35.13	− 7 49.7	1.531	2.506	7.0	19.5
9 28	22 27.49	− 7 46.0	1.601	2.522	11.2	19.8
10 8	22 22.34	− 7 33.6	1.693	2.538	14.8	20.1
520121	2014 AO_{59}		9 3.2	178.°65	1.°3/ 1.9	18
7 30	23 12.39	− 7 44.1	1.949	2.811	13.2	22.1
8 9	23 7.88	− 8 36.3	1.877	2.812	9.8	21.9
8 19	23 1.47	− 9 39.0	1.828	2.812	6.0	21.6
8 29	22 53.76	−10 47.0	1.806	2.813	2.1	21.4
9 8	22 45.57	−11 53.4	1.812	2.813	2.9	21.4
9 18	22 37.80	−12 52.2	1.845	2.812	6.8	21.7
9 28	22 31.33	−13 38.3	1.904	2.812	10.5	21.9
10 8	22 26.80	−14 8.7	1.986	2.811	13.7	22.1
60325	1999 YQ_{12}		9 3.2	59.°79	0.°6/ 3.7	17
7 30	23 14.66	− 3 53.6	1.439	2.303	16.8	19.5
8 9	23 10.09	− 4 11.2	1.376	2.309	12.8	19.3
8 19	23 3.06	− 4 44.3	1.334	2.314	8.1	19.0
8 29	22 54.34	− 5 28.6	1.315	2.320	3.1	18.7
9 8	22 45.05	− 6 17.4	1.321	2.326	2.3	18.7
9 18	22 36.42	− 7 3.7	1.354	2.332	7.4	19.0
9 28	22 29.58	− 7 41.0	1.410	2.339	11.9	19.3
10 8	22 25.27	− 8 5.0	1.488	2.345	15.8	19.6
246680	2008 YG_{159}		9 3.2	294.°22	4.°9/28.4	18
7 30	23 8.90	−13 54.3	1.738	2.624	13.3	20.3
8 9	23 5.72	−16 2.1	1.660	2.608	9.9	20.0
8 19	23 0.39	−18 21.6	1.607	2.591	6.5	19.8
8 29	22 53.46	−20 42.4	1.580	2.575	4.9	19.7
9 8	22 45.80	−22 52.6	1.582	2.559	6.9	19.8
9 18	22 38.43	−24 42.1	1.610	2.543	10.5	19.9
9 28	22 32.41	−26 4.1	1.662	2.527	14.1	20.1
10 8	22 28.54	−26 56.4	1.733	2.512	17.3	20.3
114775	2003 KF_{14}		9 3.2	1.°53	7.°3/28.6	18
7 30	23 13.64	−24 3.8	1.533	2.425	14.5	18.3
8 9	23 9.32	−24 53.3	1.480	2.423	11.3	18.1
8 19	23 2.54	−25 38.1	1.449	2.422	8.5	17.9
8 29	22 54.14	−26 9.6	1.441	2.423	7.3	17.8
9 8	22 45.28	−26 20.7	1.457	2.424	8.7	17.9
9 18	22 37.16	−26 8.0	1.498	2.426	11.5	18.1
9 28	22 30.88	−25 31.2	1.560	2.430	14.7	18.3
10 8	22 27.13	−24 33.2	1.641	2.434	17.5	18.5
441938	2010 JA_{114}		9 3.2	65.°36	1.°9/ 1.5	16
7 30	23 13.64	− 9 53.1	1.713	2.584	14.2	20.8
8 9	23 8.82	−10 39.9	1.665	2.604	10.5	20.7
8 19	23 2.00	−11 34.8	1.639	2.625	6.4	20.5
8 29	22 53.91	−12 31.5	1.639	2.645	2.5	20.3
9 8	22 45.51	−13 23.2	1.666	2.665	3.5	20.4
9 18	22 37.79	−14 4.4	1.720	2.686	7.4	20.7
9 28	22 31.64	−14 31.1	1.799	2.706	11.1	20.9
10 8	22 27.61	−14 41.8	1.900	2.726	14.2	21.2
374695	2006 RK_{17}		9 3.2	338.°96	0.°8/ 2.8	18
7 30	23 13.19	− 8 43.5	1.089	1.984	18.8	20.2
8 9	23 9.86	− 8 40.1	1.020	1.971	14.3	19.9
8 19	23 3.39	− 8 48.7	0.970	1.959	9.0	19.6
8 29	22 54.58	− 9 4.3	0.941	1.949	3.1	19.2
9 8	22 44.80	− 9 20.1	0.935	1.939	3.4	19.2
9 18	22 35.67	− 9 29.2	0.951	1.931	9.4	19.5
9 28	22 28.74	− 9 26.2	0.988	1.924	14.9	19.8
10 8	22 25.03	− 9 8.1	1.044	1.918	19.7	20.1
273673	2007 EV_2		9 3.2	223.°13	1.°0/ 2.5	17
7 30	23 16.56	− 8 32.6	1.720	2.583	14.6	21.1
8 9	23 11.28	− 8 51.8	1.645	2.580	11.0	20.8
8 19	23 3.73	− 9 20.3	1.592	2.576	6.8	20.6
8 29	22 54.59	− 9 53.5	1.565	2.571	2.3	20.3
9 8	22 44.85	−10 25.8	1.564	2.567	2.8	20.3
9 18	22 35.60	−10 51.7	1.591	2.562	7.3	20.6
9 28	22 27.91	−11 7.0	1.643	2.558	11.5	20.8
10 8	22 22.53	−11 9.3	1.717	2.553	15.0	21.0
387890	2004 TJ_{115}		9 3.2	288.°80	0.°0/ 3.0	18
7 30	23 13.80	− 5 43.0	1.695	2.556	14.8	21.5
8 9	23 9.44	− 5 59.8	1.603	2.535	11.3	21.2
8 19	23 2.75	− 6 29.3	1.533	2.514	7.2	21.0
8 29	22 54.31	− 7 7.8	1.487	2.493	2.5	20.6
9 8	22 45.05	− 7 49.8	1.468	2.472	2.3	20.6
9 18	22 36.07	− 8 29.2	1.475	2.451	7.2	20.8
9 28	22 28.51	− 9 0.1	1.507	2.430	11.7	21.0
10 8	22 23.23	− 9 18.4	1.561	2.409	15.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
171060	2005 EG_{126}		9 3.2	86.°56	13.°3/20.9	18
	h m	° ′			°	m
7 30	23 26.48	−46 19.7	1.928	2.747	15.0	19.9
8 9	23 18.90	−47 39.5	1.904	2.754	13.9	19.8
8 19	23 8.41	−48 36.7	1.900	2.761	13.3	19.8
8 29	22 56.14	−49 2.3	1.918	2.768	13.6	19.8
9 8	22 43.63	−48 51.6	1.956	2.775	14.5	19.9
9 18	22 32.40	−48 4.8	2.014	2.782	15.7	20.0
9 28	22 23.66	−46 46.3	2.090	2.789	17.1	20.1
10 8	22 18.04	−45 2.9	2.181	2.796	18.4	20.3
298752	2004 HA_{17}		9 3.2	179.°96	5.°7/28.6	18
7 30	23 17.33	−24 16.4	2.243	3.111	11.5	20.5
8 9	23 11.37	−25 2.6	2.182	3.111	8.9	20.4
8 19	23 3.54	−25 44.9	2.145	3.112	6.7	20.2
8 29	22 54.48	−26 17.1	2.135	3.112	5.7	20.2
9 8	22 45.04	−26 34.0	2.152	3.112	6.8	20.2
9 18	22 36.15	−26 32.8	2.196	3.111	9.1	20.4
9 28	22 28.64	−26 12.8	2.265	3.111	11.6	20.6
10 8	22 23.12	−25 35.5	2.356	3.110	13.9	20.7
315854	2008 HJ_{34}		9 3.2	267.°28	4.°6/28.6	18
7 30	23 9.81	−17 50.7	2.191	3.071	11.2	20.4
8 9	23 5.88	−19 16.9	2.124	3.066	8.4	20.3
8 19	23 0.21	−20 45.9	2.083	3.062	5.8	20.1
8 29	22 53.35	−22 10.9	2.068	3.058	4.6	20.0
9 8	22 46.04	−23 24.5	2.081	3.053	6.0	20.1
9 18	22 39.08	−24 21.4	2.120	3.049	8.7	20.2
9 28	22 33.26	−24 58.4	2.185	3.045	11.5	20.4
10 8	22 29.20	−25 14.6	2.271	3.040	13.9	20.6
435063	2006 XD_{71}		9 3.2	278.°88	3.°3/ 5.7	17
7 30	23 15.00	+ 1 21.4	1.574	2.415	16.8	21.2
8 9	23 10.43	+ 1 35.7	1.490	2.403	13.4	20.9
8 19	23 3.42	+ 1 32.4	1.425	2.391	9.3	20.7
8 29	22 54.57	+ 1 12.4	1.383	2.380	5.1	20.4
9 8	22 44.90	+ 0 39.1	1.367	2.368	3.5	20.3
9 18	22 35.59	− 0 1.8	1.377	2.357	7.1	20.5
9 28	22 27.85	− 0 43.5	1.412	2.345	11.5	20.7
10 8	22 22.56	− 1 19.6	1.468	2.333	15.5	20.9
374914	2006 XF_{39}		9 3.2	264.°02	1.°6/ 1.9	18
7 30	23 14.02	− 8 27.1	1.635	2.505	14.8	21.5
8 9	23 9.62	− 9 11.4	1.553	2.492	11.2	21.2
8 19	23 2.86	−10 7.8	1.493	2.478	6.9	21.0
8 29	22 54.36	−11 10.7	1.458	2.464	2.5	20.7
9 8	22 45.11	−12 12.4	1.449	2.450	3.4	20.7
9 18	22 36.24	−13 5.7	1.467	2.436	8.1	20.9
9 28	22 28.89	−13 44.4	1.509	2.421	12.5	21.2
10 8	22 23.90	−14 5.3	1.572	2.406	16.3	21.4
469599	2004 FT_{27}		9 3.2	153.°52	0.°3/ 2.9	17
7 30	23 16.49	− 5 58.5	1.877	2.729	14.0	22.4
8 9	23 10.96	− 6 27.7	1.808	2.736	10.6	22.2
8 19	23 3.40	− 7 8.0	1.763	2.743	6.6	22.0
8 29	22 54.47	− 7 54.8	1.743	2.749	2.2	21.8
9 8	22 45.07	− 8 42.6	1.751	2.755	2.2	21.8
9 18	22 36.20	− 9 25.6	1.787	2.760	6.5	22.1
9 28	22 28.78	− 9 59.2	1.850	2.764	10.4	22.3
10 8	22 23.47	−10 20.4	1.936	2.768	13.7	22.5
279034	2008 VQ_3		9 3.2	349.°46	11.°4/24.9	18
7 30	23 10.31	−28 16.2	1.159	2.067	16.9	19.3
8 9	23 7.71	−29 58.8	1.111	2.057	13.9	19.1
8 19	23 2.00	−31 33.0	1.083	2.048	11.8	18.9
8 29	22 54.08	−32 44.5	1.076	2.041	11.6	18.9
9 8	22 45.42	−33 21.9	1.090	2.035	13.5	19.0
9 18	22 37.63	−33 19.8	1.123	2.030	16.5	19.2
9 28	22 32.13	−32 38.8	1.175	2.027	19.6	19.4
10 8	22 29.77	−31 24.7	1.241	2.026	22.5	19.6
513833	2013 EZ_{109}		9 3.2	138.°55	0.°7/ 4.2	18
7 30	23 9.57	− 1 16.0	2.560	3.392	11.3	21.9
8 9	23 5.33	− 2 2.8	2.486	3.401	8.6	21.7
8 19	22 59.70	− 3 1.6	2.437	3.409	5.5	21.5
8 29	22 53.14	− 4 8.8	2.414	3.418	2.3	21.3
9 8	22 46.28	− 5 19.9	2.421	3.425	1.5	21.3
9 18	22 39.73	− 6 29.8	2.457	3.433	4.7	21.5
9 28	22 34.13	− 7 33.6	2.521	3.440	7.8	21.7
10 8	22 29.96	− 8 27.7	2.611	3.447	10.5	21.9
447322	2005 XD_{77}		9 3.2	16.°07	4.°7/ 7.9	15
7 30	23 10.14	+ 7 23.8	1.935	2.743	15.4	21.2
8 9	23 6.24	+ 7 34.3	1.859	2.745	12.5	21.0
8 19	23 0.50	+ 7 25.5	1.803	2.748	9.3	20.8
8 29	22 53.48	+ 6 57.7	1.770	2.750	6.3	20.6
9 8	22 45.97	+ 6 13.9	1.763	2.754	4.7	20.5
9 18	22 38.84	+ 5 18.9	1.782	2.757	6.3	20.6
9 28	22 32.96	+ 4 19.3	1.828	2.761	9.3	20.8
10 8	22 28.95	+ 3 21.6	1.897	2.765	12.4	21.0

402032 2003 SD_{185} 9 3.2 318.°82 2.°4/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.50	−14 15.8	1.915	2.784	13.0	20.5
8 9	23 11.23	−14 15.9	1.822	2.760	9.9	20.2
8 19	23 3.76	−14 18.4	1.752	2.735	6.2	20.0
8 29	22 54.67	−14 19.1	1.707	2.711	2.9	19.7
9 8	22 44.86	−14 13.7	1.690	2.688	3.8	19.7
9 18	22 35.38	−13 58.6	1.700	2.665	7.6	19.9
9 28	22 27.27	−13 31.8	1.737	2.642	11.5	20.1
10 8	22 21.33	−12 52.9	1.795	2.620	14.9	20.3

182897 2002 EZ_3 9 3.2 62.°66 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.07	− 4 55.0	2.041	2.895	13.0	20.2
8 9	23 6.70	− 5 26.6	1.982	2.910	9.7	20.0
8 19	23 0.64	− 6 8.9	1.945	2.925	6.1	19.8
8 29	22 53.48	− 6 57.8	1.935	2.941	2.1	19.6
9 8	22 46.01	− 7 48.1	1.952	2.956	1.9	19.6
9 18	22 39.02	− 8 34.8	1.997	2.972	5.7	19.9
9 28	22 33.28	− 9 13.2	2.068	2.987	9.2	20.2
10 8	22 29.30	− 9 40.4	2.163	3.003	12.2	20.4

487030 2014 OJ_{30} 9 3.2 309.°64 4.°2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.30	−16 36.4	2.125	3.006	11.5	21.0
8 9	23 5.56	−17 51.0	2.054	2.997	8.6	20.8
8 19	23 0.05	−19 9.6	2.007	2.989	5.7	20.6
8 29	22 53.32	−20 25.3	1.987	2.981	4.2	20.5
9 8	22 46.11	−21 31.4	1.994	2.973	5.5	20.6
9 18	22 39.25	−22 22.3	2.027	2.965	8.4	20.8
9 28	22 33.54	−22 54.4	2.086	2.958	11.4	21.0
10 8	22 29.61	−23 6.8	2.165	2.950	14.0	21.1

485279 2010 XM_{50} 9 3.3 258.°75 6.°9/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.04	+17 0.0	2.700	3.420	13.5	21.8
8 9	23 7.39	+17 37.8	2.594	3.404	11.8	21.6
8 19	23 1.15	+17 58.0	2.508	3.387	9.9	21.5
8 29	22 53.73	+17 58.7	2.445	3.371	8.1	21.3
9 8	22 45.74	+17 40.1	2.408	3.353	7.0	21.3
9 18	22 37.88	+17 3.7	2.397	3.336	7.3	21.2
9 28	22 30.89	+16 13.7	2.413	3.319	8.7	21.3
10 8	22 25.38	+15 15.7	2.454	3.301	10.7	21.4

485294 2011 AM_{29} 9 3.3 352.°94 0.°3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.19	− 7 37.3	1.494	2.368	15.8	20.2
8 9	23 9.05	− 7 12.3	1.421	2.359	12.0	20.0
8 19	23 2.50	− 6 55.7	1.368	2.352	7.6	19.7
8 29	22 54.23	− 6 45.0	1.339	2.346	2.8	19.4
9 8	22 45.32	− 6 36.5	1.336	2.341	2.3	19.3
9 18	22 36.95	− 6 26.7	1.358	2.337	7.2	19.6
9 28	22 30.24	− 6 11.9	1.404	2.335	11.7	19.9
10 8	22 25.99	− 5 49.8	1.472	2.335	15.6	20.1

505657 2014 SR_{339} 9 3.3 292.°50 16.°0/14.7 18 CR

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.25	− 4 57.8	0.442	1.397	25.3	18.6
8 9	22 58.02	−15 31.2	0.366	1.355	18.1	17.9
8 19	22 58.25	−30 23.1	0.318	1.310	17.6	17.5
8 29	22 53.94	−47 22.0	0.306	1.264	29.7	17.7
9 8	22 44.03	−62 19.5	0.326	1.217	43.8	18.2
9 18	22 26.95	−73 7.3	0.364	1.169	54.9	18.6
9 28	22 0.96	−80 14.6	0.408	1.121	62.8	19.0
10 8	21 18.33	−84 58.3	0.448	1.074	68.3	19.3

448949 2011 WG_{62} 9 3.3 250.°10 5.°9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.91	−22 53.5	2.129	3.007	11.6	21.0
8 9	23 8.28	−24 6.3	2.066	3.002	9.0	20.9
8 19	23 1.75	−25 17.4	2.026	2.996	6.7	20.7
8 29	22 53.92	−26 19.7	2.013	2.991	5.9	20.7
9 8	22 45.63	−27 6.6	2.027	2.985	7.3	20.7
9 18	22 37.76	−27 33.8	2.066	2.979	9.7	20.9
9 28	22 31.20	−27 39.3	2.130	2.974	12.3	21.0
10 8	22 26.58	−27 24.2	2.213	2.968	14.7	21.2

455023 2015 TV_{325} 9 3.3 16.°80 3.°5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.11	−12 41.2	1.694	2.581	13.6	19.7
8 9	23 4.92	−13 57.6	1.638	2.586	10.0	19.5
8 19	22 59.74	−15 21.3	1.604	2.592	6.3	19.3
8 29	22 53.23	−16 44.7	1.596	2.598	3.6	19.1
9 8	22 46.28	−17 59.3	1.614	2.605	5.1	19.2
9 18	22 39.85	−18 58.3	1.659	2.613	8.6	19.5
9 28	22 34.84	−19 37.3	1.727	2.622	12.1	19.7
10 8	22 31.87	−19 55.0	1.815	2.631	15.2	19.9

184209 2004 PA_{99} 9 3.3 324.°97 5.°3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.92	−22 9.5	2.124	2.998	11.7	19.7
8 9	23 9.69	−22 54.6	2.061	2.997	9.0	19.6
8 19	23 2.57	−23 37.4	2.022	2.995	6.5	19.4
8 29	22 54.19	−24 11.7	2.010	2.994	5.3	19.3
9 8	22 45.42	−24 32.2	2.024	2.992	6.5	19.4
9 18	22 37.16	−24 35.5	2.065	2.991	9.0	19.6
9 28	22 30.26	−24 20.4	2.130	2.990	11.7	19.7
10 8	22 25.34	−23 48.0	2.217	2.989	14.2	19.9

448653 2010 VM_{112} 9 3.3 322.°69 1.°8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.94	− 9 59.0	1.901	2.774	13.0	21.1
8 9	23 6.20	−10 40.9	1.823	2.763	9.7	20.8
8 19	23 0.55	−11 31.6	1.767	2.752	5.9	20.6
8 29	22 53.53	−12 26.0	1.736	2.742	2.4	20.4
9 8	22 45.97	−13 17.8	1.733	2.732	3.4	20.4
9 18	22 38.77	−14 1.2	1.756	2.722	7.2	20.6
9 28	22 32.83	−14 31.6	1.804	2.713	11.0	20.8
10 8	22 28.81	−14 46.4	1.875	2.704	14.2	21.0

484093 2006 RA_2 9 3.3 322.°36 3.°2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.26	−13 59.3	1.484	2.370	15.2	20.2
8 9	23 10.22	−14 14.8	1.393	2.339	11.6	19.9
8 19	23 3.49	−14 35.6	1.323	2.310	7.4	19.6
8 29	22 54.68	−14 55.9	1.276	2.281	3.6	19.3
9 8	22 44.87	−15 8.9	1.255	2.252	4.8	19.3
9 18	22 35.36	−15 8.8	1.258	2.225	9.4	19.5
9 28	22 27.51	−14 51.9	1.284	2.198	14.1	19.7
10 8	22 22.32	−14 17.3	1.331	2.172	18.2	19.8

315172 2007 GY_{74} 9 3.3 185.°81 3.°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.23	−18 19.7	2.860	3.728	9.2	21.1
8 9	23 5.80	−19 34.0	2.792	3.728	6.9	20.9
8 19	23 0.01	−20 49.7	2.750	3.727	4.8	20.8
8 29	22 53.28	−22 1.6	2.737	3.726	3.7	20.7
9 8	22 46.22	−23 4.7	2.753	3.724	4.8	20.8
9 18	22 39.43	−23 54.9	2.798	3.722	7.0	20.9
9 28	22 33.53	−24 29.7	2.869	3.720	9.3	21.1
10 8	22 29.01	−24 48.4	2.962	3.717	11.3	21.2

102773 1999 VD_{144} 9 3.3 256.°44 0.°4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.24	− 4 4.8	2.007	2.855	13.4	20.6
8 9	23 8.63	− 4 27.4	1.917	2.841	10.2	20.3
8 19	23 2.07	− 5 2.4	1.848	2.826	6.5	20.1
8 29	22 54.08	− 5 46.4	1.806	2.811	2.5	19.8
9 8	22 45.47	− 6 34.7	1.791	2.796	1.9	19.7
9 18	22 37.14	− 7 21.7	1.805	2.780	6.1	20.0
9 28	22 30.01	− 8 2.2	1.844	2.765	10.1	20.2
10 8	22 24.80	− 8 32.1	1.908	2.749	13.5	20.4

476218 2007 UU_{114} 9 3.3 328.°41 6.°0/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.45	+ 8 45.4	1.617	2.432	17.6	21.0
8 9	23 6.22	+ 9 4.5	1.532	2.420	14.6	20.8
8 19	23 0.77	+ 9 0.0	1.465	2.409	11.2	20.5
8 29	22 53.68	+ 8 31.1	1.420	2.398	7.8	20.3
9 8	22 45.84	+ 7 40.3	1.399	2.388	6.0	20.2
9 18	22 38.34	+ 6 33.1	1.403	2.379	7.5	20.3
9 28	22 32.25	+ 5 17.8	1.432	2.370	11.0	20.4
10 8	22 28.40	+ 4 3.5	1.483	2.362	14.6	20.6

448394 2009 QP_{37} 9 3.3 8.°72 0.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.93	− 3 5.3	2.023	2.877	13.1	20.9
8 9	23 4.51	− 3 57.0	1.950	2.878	9.9	20.7
8 19	22 59.39	− 5 2.6	1.899	2.879	6.2	20.5
8 29	22 53.11	− 6 17.7	1.874	2.880	2.2	20.2
9 8	22 46.41	− 7 36.1	1.877	2.882	1.9	20.2
9 18	22 40.07	− 8 51.1	1.908	2.884	5.9	20.5
9 28	22 34.87	− 9 56.8	1.965	2.886	9.5	20.7
10 8	22 31.40	−10 48.8	2.046	2.888	12.7	20.9

325377 2008 SO_{39} 9 3.3 39.°65 1.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.06	− 9 54.2	2.302	3.166	11.3	20.8
8 9	23 5.86	−10 28.4	2.235	3.171	8.4	20.6
8 19	23 0.11	−11 9.0	2.193	3.177	5.1	20.4
8 29	22 53.33	−11 51.8	2.177	3.183	1.9	20.2
9 8	22 46.23	−12 32.1	2.189	3.189	2.7	20.3
9 18	22 39.51	−13 5.7	2.229	3.195	5.9	20.5
9 28	22 33.88	−13 29.3	2.296	3.201	9.1	20.7
10 8	22 29.85	−13 41.0	2.386	3.208	11.8	20.9

120648 1996 SE_4 9 3.3 290.°66 6.°5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.17	+10 53.7	1.724	2.520	17.4	19.4
8 9	23 7.43	+11 11.8	1.634	2.508	14.6	19.2
8 19	23 1.51	+11 6.0	1.563	2.496	11.4	19.0
8 29	22 53.94	+10 34.8	1.513	2.484	8.3	18.8
9 8	22 45.62	+ 9 40.1	1.488	2.472	6.5	18.6
9 18	22 37.59	+ 8 27.3	1.489	2.460	7.7	18.7
9 28	22 30.91	+ 7 4.3	1.514	2.448	10.8	18.8
10 8	22 26.42	+ 5 40.7	1.563	2.437	14.3	19.0

490406 2009 RS_{39} 9 3.3 314.°75 6.°3/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.73	+13 43.2	2.034	2.808	15.8	21.3
8 9	23 3.85	+13 38.6	1.929	2.785	13.5	21.1
8 19	22 59.16	+13 9.4	1.843	2.762	10.7	20.9
8 29	22 53.10	+12 14.6	1.779	2.740	8.0	20.7
9 8	22 46.39	+10 56.1	1.740	2.718	6.4	20.6
9 18	22 39.86	+ 9 19.0	1.727	2.696	7.0	20.6
9 28	22 34.40	+ 7 31.2	1.741	2.675	9.6	20.7
10 8	22 30.73	+ 5 41.9	1.779	2.654	12.7	20.8

437435 2013 YW_1 9 3.3 104.°06 6.°4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.86	−21 18.1	1.820	2.703	13.0	20.7
8 9	23 9.14	−22 58.9	1.776	2.715	9.9	20.6
8 19	23 2.33	−24 38.5	1.755	2.727	7.3	20.4
8 29	22 54.14	−26 7.6	1.760	2.739	6.4	20.4
9 8	22 45.55	−27 17.9	1.792	2.751	7.9	20.5
9 18	22 37.57	−28 4.2	1.849	2.762	10.6	20.7
9 28	22 31.14	−28 24.9	1.929	2.774	13.4	20.9
10 8	22 26.90	−28 21.4	2.029	2.784	15.8	21.1

516218 2016 TZ_{85} 9 3.3 355.°99 4.°0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.41	−14 51.8	1.534	2.422	14.7	20.8
8 9	23 8.41	−15 38.9	1.471	2.419	11.0	20.5
8 19	23 2.06	−16 31.2	1.431	2.417	7.0	20.3
8 29	22 54.09	−17 21.1	1.414	2.416	4.1	20.1
9 8	22 45.57	−18 1.1	1.423	2.415	5.5	20.2
9 18	22 37.65	−18 25.3	1.457	2.415	9.3	20.5
9 28	22 31.40	−18 30.2	1.515	2.415	13.2	20.7
10 8	22 27.56	−18 15.5	1.592	2.416	16.6	20.9

322104 2010 VL_{145} 9 3.3 54.°51 5.°3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.34	−15 14.0	1.277	2.172	16.6	19.9
8 9	23 10.15	−16 35.1	1.229	2.180	12.3	19.7
8 19	23 3.24	−18 2.3	1.203	2.189	8.0	19.5
8 29	22 54.51	−19 24.6	1.199	2.198	5.3	19.3
9 8	22 45.25	−20 31.2	1.221	2.207	7.1	19.5
9 18	22 36.83	−21 14.6	1.266	2.217	11.1	19.7
9 28	22 30.47	−21 31.5	1.333	2.227	15.1	20.0
10 8	22 26.90	−21 22.8	1.419	2.237	18.5	20.3

11496 Grass 9 3.3 64.°39 3.°5/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.19	−11 7.3	1.577	2.460	14.6	17.8
8 9	23 7.30	−12 42.9	1.528	2.474	10.8	17.6
8 19	23 1.25	−14 28.0	1.501	2.488	6.6	17.4
8 29	22 53.79	−16 13.2	1.500	2.503	3.6	17.2
9 8	22 45.90	−17 48.3	1.525	2.517	5.2	17.4
9 18	22 38.65	−19 5.5	1.577	2.532	9.0	17.6
9 28	22 32.98	−19 59.7	1.653	2.546	12.7	17.9
10 8	22 29.55	−20 29.7	1.750	2.561	15.8	18.1

221645 2007 BK_{58} 9 3.3 235.°14 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.06	− 6 15.7	1.821	2.678	14.2	21.1
8 9	23 10.17	− 6 46.5	1.738	2.668	10.7	20.9
8 19	23 3.11	− 7 29.3	1.677	2.658	6.7	20.6
8 29	22 54.49	− 8 19.7	1.641	2.647	2.3	20.3
9 8	22 45.22	− 9 11.7	1.633	2.636	2.4	20.3
9 18	22 36.31	− 9 59.2	1.652	2.625	6.9	20.6
9 28	22 28.78	−10 36.5	1.697	2.613	11.1	20.8
10 8	22 23.42	−11 0.3	1.765	2.601	14.7	21.0

165067 Pauls 9 3.3 246.°18 3.°4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.97	+ 6 23.8	2.284	3.085	13.5	21.3
8 9	23 6.76	+ 6 0.4	2.183	3.069	10.9	21.1
8 19	23 0.85	+ 5 18.4	2.103	3.052	7.9	20.9
8 29	22 53.68	+ 4 19.0	2.048	3.036	4.9	20.7
9 8	22 45.94	+ 3 5.8	2.021	3.018	3.4	20.6
9 18	22 38.40	+ 1 44.2	2.023	3.000	5.4	20.7
9 28	22 31.86	+ 0 20.8	2.053	2.982	8.7	20.8
10 8	22 26.96	− 0 57.8	2.108	2.963	11.9	21.0

477064 2009 BB_{43} 9 3.3 233.°09 0.°7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.16	− 3 29.7	2.243	3.081	12.5	21.9
8 9	23 9.11	− 3 44.1	2.152	3.070	9.6	21.7
8 19	23 2.28	− 4 9.4	2.084	3.059	6.2	21.5
8 29	22 54.18	− 4 43.0	2.042	3.047	2.5	21.2
9 8	22 45.53	− 5 20.9	2.029	3.034	1.8	21.2
9 18	22 37.15	− 5 58.6	2.045	3.021	5.5	21.4
9 28	22 29.87	− 6 31.8	2.088	3.007	9.1	21.6
10 8	22 24.34	− 6 56.8	2.156	2.993	12.3	21.8

224372 2005 UQ_{168} 9 3.3 223.°72 0.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.31	− 3 50.9	1.896	2.744	14.0	21.9
8 9	23 9.50	− 4 18.7	1.812	2.737	10.7	21.7
8 19	23 2.65	− 4 59.9	1.751	2.729	6.8	21.4
8 29	22 54.33	− 5 50.7	1.716	2.721	2.5	21.1
9 8	22 45.40	− 6 45.6	1.708	2.713	2.0	21.1
9 18	22 36.83	− 7 38.6	1.728	2.704	6.4	21.3
9 28	22 29.59	− 8 24.0	1.774	2.694	10.4	21.6
10 8	22 24.38	− 8 57.6	1.844	2.684	13.9	21.8

385750 2005 XJ_{112} 9 3.3 215.°39 0.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.97	− 6 33.2	1.907	2.766	13.5	21.9
8 9	23 8.44	− 7 14.8	1.830	2.762	10.2	21.7
8 19	23 1.94	− 8 7.9	1.776	2.758	6.3	21.4
8 29	22 54.07	− 9 7.7	1.747	2.754	2.1	21.2
9 8	22 45.65	−10 8.0	1.747	2.750	2.5	21.2
9 18	22 37.63	−11 2.7	1.774	2.745	6.7	21.4
9 28	22 30.92	−11 46.4	1.827	2.740	10.6	21.7
10 8	22 26.20	−12 15.7	1.902	2.735	13.9	21.9

59946 1999 RG_{205} 9 3.3 117.°39 4.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.47	+ 6 14.1	2.263	3.058	13.8	18.9
8 9	23 9.28	+ 6 47.2	2.180	3.058	11.2	18.7
8 19	23 2.34	+ 7 5.5	2.118	3.059	8.4	18.5
8 29	22 54.19	+ 7 8.8	2.082	3.060	5.7	18.4
9 8	22 45.55	+ 6 58.6	2.073	3.061	4.5	18.3
9 18	22 37.24	+ 6 37.7	2.092	3.062	5.9	18.4
9 28	22 30.05	+ 6 10.5	2.138	3.063	8.6	18.6
10 8	22 24.61	+ 5 41.8	2.209	3.063	11.4	18.8

168678 2000 FC_5 9 3.3 300.°89 2.°2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.95	−11 44.0	1.830	2.701	13.5	19.8
8 9	23 9.27	−12 13.6	1.755	2.695	10.1	19.6
8 19	23 2.50	−12 49.8	1.703	2.688	6.2	19.4
8 29	22 54.27	−13 27.4	1.676	2.681	2.7	19.1
9 8	22 45.49	−14 0.6	1.677	2.675	3.7	19.2
9 18	22 37.15	−14 24.1	1.704	2.669	7.6	19.4
9 28	22 30.23	−14 34.5	1.756	2.663	11.3	19.6
10 8	22 25.42	−14 30.1	1.831	2.657	14.7	19.9

403680 2010 UB_{58} 9 3.3 301.°40 6.°0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.71	−24 22.9	2.193	3.068	11.4	20.6
8 9	23 8.82	−25 20.5	2.131	3.064	8.9	20.5
8 19	23 2.07	−26 14.7	2.093	3.060	6.8	20.3
8 29	22 54.08	−26 58.9	2.081	3.056	6.0	20.3
9 8	22 45.68	−27 27.5	2.096	3.052	7.2	20.4
9 18	22 37.74	−27 37.0	2.137	3.048	9.5	20.5
9 28	22 31.11	−27 26.3	2.201	3.044	12.0	20.7
10 8	22 26.40	−26 56.7	2.286	3.041	14.3	20.8

394327 2006 WN_{164} 9 3.3 25.°30 1.°3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.82	− 8 10.5	1.781	2.652	13.8	21.1
8 9	23 6.87	− 8 53.1	1.717	2.656	10.3	20.9
8 19	23 0.95	− 9 46.0	1.674	2.660	6.3	20.6
8 29	22 53.71	−10 43.7	1.658	2.664	2.2	20.4
9 8	22 46.02	−11 39.6	1.667	2.669	3.0	20.4
9 18	22 38.82	−12 27.6	1.704	2.674	7.0	20.7
9 28	22 33.01	−13 2.9	1.766	2.680	10.8	21.0
10 8	22 29.21	−13 22.9	1.850	2.685	14.1	21.2

244528 2002 TH_{243} 9 3.3 61.°44 3.°0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.78	−13 59.2	1.833	2.707	13.3	20.4
8 9	23 9.78	−14 35.1	1.770	2.711	9.9	20.1
8 19	23 2.74	−15 15.3	1.731	2.715	6.2	19.9
8 29	22 54.33	−15 54.0	1.717	2.719	3.2	19.8
9 8	22 45.48	−16 25.3	1.730	2.723	4.4	19.9
9 18	22 37.20	−16 44.5	1.769	2.728	7.9	20.1
9 28	22 30.40	−16 48.8	1.834	2.732	11.4	20.3
10 8	22 25.73	−16 37.7	1.921	2.736	14.5	20.5

50159 2000 AE_{144} 9 3.3 190.°06 3.°0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.54	+ 1 46.3	1.743	2.573	15.8	18.9
8 9	23 10.54	+ 1 48.0	1.665	2.573	12.5	18.7
8 19	23 3.34	+ 1 32.4	1.607	2.572	8.6	18.5
8 29	22 54.59	+ 1 1.2	1.575	2.571	4.7	18.2
9 8	22 45.21	+ 0 18.5	1.568	2.570	3.1	18.1
9 18	22 36.28	− 0 30.1	1.589	2.568	6.4	18.3
9 28	22 28.82	− 1 18.1	1.636	2.566	10.4	18.6
10 8	22 23.59	− 1 59.6	1.706	2.564	14.1	18.8

135626 2002 JG_{72} 9 3.3 78.°20 0.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.84	− 3 18.3	1.375	2.244	17.2	19.7
8 9	23 8.84	− 4 15.7	1.317	2.253	13.0	19.4
8 19	23 2.39	− 5 32.1	1.279	2.262	8.1	19.2
8 29	22 54.25	− 7 0.6	1.264	2.271	2.8	18.9
9 8	22 45.56	− 8 31.7	1.275	2.280	2.6	18.9
9 18	22 37.54	− 9 55.5	1.312	2.289	7.8	19.2
9 28	22 31.32	−11 3.9	1.373	2.298	12.5	19.5
10 8	22 27.63	−11 52.1	1.455	2.306	16.4	19.8

480781 2016 PY_{20} 9 3.3 358.°56 4.°9/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.95	−13 27.2	0.987	1.905	18.2	19.4
8 9	23 4.50	−14 29.4	0.936	1.899	13.6	19.1
8 19	23 0.06	−15 42.0	0.902	1.895	8.6	18.9
8 29	22 53.51	−16 54.1	0.889	1.893	5.0	18.7
9 8	22 46.21	−17 53.3	0.898	1.893	7.0	18.8
9 18	22 39.71	−18 30.2	0.927	1.895	11.8	19.0
9 28	22 35.38	−18 39.4	0.976	1.898	16.6	19.3
10 8	22 34.06	−18 20.9	1.042	1.904	20.7	19.6

511483 2014 MC_{60} 9 3.3 230.°31 4.°7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.04	−19 53.7	2.393	3.268	10.6	20.9
8 9	23 6.71	−21 7.1	2.325	3.263	8.0	20.8
8 19	23 0.73	−22 21.3	2.283	3.258	5.7	20.6
8 29	22 53.63	−23 30.0	2.267	3.252	4.7	20.5
9 8	22 46.10	−24 27.3	2.279	3.247	5.9	20.6
9 18	22 38.91	−25 8.6	2.318	3.241	8.3	20.8
9 28	22 32.81	−25 31.5	2.382	3.235	10.9	20.9
10 8	22 28.36	−25 35.8	2.468	3.229	13.2	21.1

218945 2008 DK_{23} 9 3.3 50.°00 1.°5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.29	− 9 42.0	1.246	2.127	17.8	19.4
8 9	23 13.00	− 9 54.2	1.199	2.142	13.3	19.2
8 19	23 4.95	−10 16.2	1.171	2.158	8.2	19.0
8 29	22 55.11	−10 41.8	1.167	2.174	2.9	18.7
9 8	22 44.87	−11 4.0	1.188	2.191	3.5	18.8
9 18	22 35.61	−11 17.3	1.233	2.208	8.6	19.2
9 28	22 28.53	−11 17.7	1.302	2.225	13.2	19.5
10 8	22 24.33	−11 3.9	1.391	2.242	17.0	19.8

440683 2005 YG_{56} 9 3.3 327.°15 23.°0/12.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.71	+24 5.7	0.973	1.737	29.8	20.2
8 9	23 16.89	+27 54.2	0.911	1.726	27.8	20.0
8 19	23 8.83	+31 13.7	0.862	1.716	25.8	19.8
8 29	22 56.98	+33 46.4	0.827	1.707	24.1	19.7
9 8	22 42.83	+35 18.1	0.806	1.698	23.1	19.6
9 18	22 28.68	+35 41.9	0.801	1.691	23.1	19.6
9 28	22 17.17	+35 3.3	0.809	1.684	24.1	19.6
10 8	22 10.24	+33 39.0	0.831	1.679	25.9	19.7

386339 2008 SG_{250} 9 3.3 286.°25 0.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.09	− 5 57.2	1.713	2.569	15.0	20.2
8 9	23 11.90	− 5 49.4	1.624	2.553	11.5	20.0
8 19	23 4.34	− 5 51.6	1.557	2.537	7.4	19.7
8 29	22 55.00	− 6 1.1	1.515	2.521	2.8	19.4
9 8	22 44.88	− 6 14.0	1.500	2.505	2.2	19.3
9 18	22 35.10	− 6 25.7	1.512	2.489	6.9	19.6
9 28	22 26.82	− 6 31.9	1.549	2.473	11.4	19.8
10 8	22 20.88	− 6 29.5	1.609	2.457	15.3	20.0

155322 2006 AR_{56} 9 3.3 135.°97 0.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.06	− 6 19.3	2.584	3.431	10.8	20.7
8 9	23 6.46	− 6 48.4	2.513	3.438	8.1	20.5
8 19	23 0.45	− 7 25.4	2.465	3.445	5.0	20.4
8 29	22 53.51	− 8 7.0	2.446	3.452	1.7	20.1
9 8	22 46.27	− 8 49.2	2.455	3.458	1.7	20.2
9 18	22 39.36	− 9 28.0	2.493	3.465	5.0	20.4
9 28	22 33.42	− 9 59.9	2.559	3.471	8.0	20.6
10 8	22 28.94	−10 22.6	2.649	3.477	10.6	20.8

73081 2002 GD_{12} 9 3.3 132.°11 1.°2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.50	− 5 56.6	1.446	2.318	16.3	19.6
8 9	23 9.33	− 6 59.7	1.382	2.321	12.3	19.4
8 19	23 2.72	− 8 19.0	1.339	2.324	7.5	19.1
8 29	22 54.40	− 9 47.2	1.321	2.327	2.6	18.8
9 8	22 45.48	−11 14.9	1.328	2.330	3.3	18.9
9 18	22 37.15	−12 32.6	1.361	2.333	8.2	19.2
9 28	22 30.55	−13 33.0	1.419	2.336	12.7	19.5
10 8	22 26.45	−14 12.4	1.498	2.339	16.6	19.7

514865 2008 GV_{72} 9 3.3 100.°93 0.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.64	− 2 17.4	2.228	3.069	12.5	22.0
8 9	23 6.35	− 2 50.3	2.158	3.078	9.5	21.8
8 19	23 0.48	− 3 35.3	2.112	3.087	6.1	21.6
8 29	22 53.55	− 4 29.1	2.092	3.096	2.4	21.4
9 8	22 46.27	− 5 26.7	2.100	3.105	1.6	21.4
9 18	22 39.38	− 6 23.1	2.136	3.113	5.2	21.6
9 28	22 33.60	− 7 13.4	2.200	3.122	8.6	21.9
10 8	22 29.45	− 7 53.8	2.288	3.130	11.5	22.1

84961 2003 XU_{21} 9 3.3 257.°79 3.°6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.69	+ 5 52.3	2.199	3.003	13.9	20.3
8 9	23 7.42	+ 5 41.3	2.097	2.985	11.2	20.1
8 19	23 1.35	+ 5 12.4	2.015	2.966	8.2	19.9
8 29	22 53.94	+ 4 26.3	1.959	2.946	5.1	19.6
9 8	22 45.89	+ 3 26.1	1.930	2.926	3.6	19.5
9 18	22 38.02	+ 2 16.8	1.929	2.906	5.7	19.6
9 28	22 31.19	+ 1 4.7	1.955	2.885	9.0	19.8
10 8	22 26.09	− 0 3.7	2.006	2.864	12.3	19.9

365381 2009 UD_{134} 9 3.3 11.°47 7.°7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.92	+17 11.6	2.129	2.873	16.1	19.8
8 9	23 5.33	+17 38.6	2.048	2.874	13.9	19.6
8 19	22 59.99	+17 42.6	1.985	2.876	11.5	19.5
8 29	22 53.43	+17 21.8	1.944	2.879	9.3	19.4
9 8	22 46.38	+16 37.4	1.927	2.882	7.8	19.3
9 18	22 39.65	+15 33.3	1.935	2.885	7.9	19.3
9 28	22 34.06	+14 15.6	1.968	2.888	9.5	19.4
10 8	22 30.22	+12 52.2	2.026	2.892	11.8	19.6

74220 1998 RX_{78} 9 3.3 291.°88 1.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.05	− 9 1.7	1.805	2.677	13.6	19.3
8 9	23 7.14	−10 0.0	1.731	2.671	10.1	19.1
8 19	23 1.22	−11 9.1	1.681	2.666	6.2	18.8
8 29	22 53.88	−12 22.9	1.655	2.661	2.5	18.6
9 8	22 45.98	−13 34.0	1.657	2.656	3.5	18.7
9 18	22 38.49	−14 35.3	1.686	2.651	7.6	18.9
9 28	22 32.35	−15 21.5	1.740	2.646	11.4	19.1
10 8	22 28.25	−15 49.7	1.815	2.642	14.7	19.3

494760 2006 DX_{12} 9 3.3 237.°14 3.°9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.40	+ 7 12.1	2.788	3.568	11.8	22.1
8 9	23 7.54	+ 7 27.6	2.687	3.556	9.7	21.9
8 19	23 1.21	+ 7 29.8	2.608	3.544	7.3	21.8
8 29	22 53.85	+ 7 18.8	2.555	3.531	5.0	21.6
9 8	22 46.01	+ 6 56.0	2.531	3.518	3.9	21.5
9 18	22 38.35	+ 6 24.1	2.535	3.504	5.1	21.6
9 28	22 31.54	+ 5 46.9	2.568	3.490	7.5	21.7
10 8	22 26.10	+ 5 8.7	2.626	3.476	10.0	21.8

303618 2005 JP_{49} 9 3.3 350.°84 7.°7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.77	−22 55.1	1.424	2.322	15.0	19.5
8 9	23 8.24	−24 7.3	1.368	2.315	11.7	19.3
8 19	23 2.12	−25 17.3	1.334	2.309	8.8	19.1
8 29	22 54.22	−26 14.9	1.322	2.305	7.7	19.1
9 8	22 45.71	−26 50.9	1.334	2.301	9.3	19.2
9 18	22 37.88	−27 0.1	1.369	2.298	12.4	19.3
9 28	22 31.92	−26 41.0	1.425	2.296	15.8	19.5
10 8	22 28.58	−25 56.4	1.500	2.295	18.8	19.7

30337 Crystalzheng 9 3.3 344.°38 0.°7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.15	− 4 43.7	1.154	2.041	18.5	17.6
8 9	23 7.44	− 4 44.5	1.084	2.029	14.2	17.3
8 19	23 1.88	− 5 2.4	1.033	2.019	9.2	17.0
8 29	22 54.22	− 5 33.3	1.004	2.010	3.5	16.7
9 8	22 45.68	− 6 10.8	0.997	2.002	2.6	16.6
9 18	22 37.70	− 6 46.8	1.012	1.995	8.4	16.9
9 28	22 31.69	− 7 13.9	1.050	1.990	13.8	17.2
10 8	22 28.60	− 7 26.7	1.107	1.987	18.4	17.5

476945 2008 XG_3 9 3.3 265.°86 11.°9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.79	−37 56.6	1.805	2.667	14.1	20.2
8 9	23 11.91	−39 58.1	1.768	2.664	12.6	20.1
8 19	23 4.38	−41 44.4	1.753	2.661	11.9	20.1
8 29	22 55.01	−43 4.6	1.760	2.657	12.3	20.1
9 8	22 45.02	−43 51.1	1.790	2.654	13.6	20.2
9 18	22 35.75	−44 1.2	1.841	2.651	15.5	20.3
9 28	22 28.42	−43 36.3	1.909	2.648	17.3	20.4
10 8	22 23.81	−42 41.7	1.993	2.645	19.0	20.6

510421 2011 UX_{280} 9 3.3 7.°89 9.°2/12.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 44.30	+12 31.3	0.631	1.533	27.4	18.3
8 9	22 48.77	+12 56.9	0.603	1.540	23.2	18.0
8 19	22 50.46	+12 28.5	0.587	1.552	18.4	17.8
8 29	22 50.20	+11 7.4	0.584	1.569	13.4	17.7
9 8	22 49.29	+ 9 5.4	0.598	1.592	9.7	17.6
9 18	22 49.02	+ 6 41.7	0.629	1.619	9.8	17.8
9 28	22 50.56	+ 4 18.4	0.678	1.650	13.2	18.1
10 8	22 54.49	+ 2 13.9	0.745	1.685	17.4	18.5

401725 2013 JS_3 9 3.3 114.°40 7.°2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.08	−29 10.4	2.334	3.202	11.0	20.8
8 9	23 9.03	−30 24.0	2.287	3.208	9.0	20.6
8 19	23 2.18	−31 30.7	2.265	3.214	7.5	20.6
8 29	22 54.17	−32 23.7	2.268	3.219	7.2	20.5
9 8	22 45.82	−32 57.6	2.298	3.224	8.3	20.6
9 18	22 37.98	−33 9.6	2.353	3.229	10.2	20.8
9 28	22 31.46	−32 59.5	2.430	3.234	12.2	20.9
10 8	22 26.83	−32 29.2	2.528	3.239	14.1	21.1

271035 2003 BY_{56} 9 3.3 197.°00 0.°8/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.95	− 2 37.9	1.949	2.790	14.0	21.8
8 9	23 9.92	− 3 2.3	1.868	2.788	10.7	21.6
8 19	23 2.90	− 3 40.3	1.810	2.785	6.9	21.3
8 29	22 54.48	− 4 28.5	1.778	2.782	2.8	21.1
9 8	22 45.51	− 5 21.8	1.773	2.778	1.9	21.0
9 18	22 36.92	− 6 14.5	1.797	2.774	6.1	21.3
9 28	22 29.64	− 7 0.9	1.847	2.769	10.0	21.5
10 8	22 24.36	− 7 36.8	1.921	2.764	13.4	21.7

238254 2003 UF_{362} 9 3.3 94.°33 2.°0/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.26	− 9 12.1	1.815	2.685	13.6	20.5
8 9	23 7.91	−10 15.1	1.755	2.694	10.1	20.3
8 19	23 1.60	−11 27.7	1.718	2.704	6.2	20.1
8 29	22 54.00	−12 43.5	1.708	2.713	2.5	19.9
9 8	22 45.97	−13 54.9	1.724	2.723	3.6	20.0
9 18	22 38.47	−14 55.5	1.768	2.732	7.4	20.3
9 28	22 32.37	−15 40.4	1.837	2.741	11.1	20.5
10 8	22 28.30	−16 7.3	1.928	2.750	14.2	20.7

58140 1981 SN 9 3.3 337.°34 3.°7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.75	+ 2 56.1	1.309	2.166	18.6	17.2
8 9	23 6.13	+ 2 52.9	1.233	2.155	14.9	17.0
8 19	23 0.96	+ 2 25.5	1.175	2.145	10.4	16.7
8 29	22 53.89	+ 1 35.3	1.138	2.135	5.8	16.4
9 8	22 46.01	+ 0 27.8	1.125	2.127	3.8	16.2
9 18	22 38.56	− 0 48.3	1.135	2.119	7.5	16.4
9 28	22 32.81	− 2 3.1	1.169	2.113	12.3	16.7
10 8	22 29.67	− 3 7.3	1.223	2.107	16.7	16.9

240570 2004 TZ_9 9 3.3 17.°62 9.°3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.04	−21 44.3	0.705	1.639	21.4	18.8
8 9	23 8.94	−22 37.3	0.680	1.648	16.5	18.5
8 19	23 2.96	−23 24.3	0.671	1.659	11.8	18.3
8 29	22 54.52	−23 51.3	0.679	1.674	9.3	18.3
9 8	22 45.68	−23 47.8	0.705	1.690	11.1	18.5
9 18	22 38.37	−23 10.8	0.749	1.709	15.1	18.8
9 28	22 34.08	−22 3.4	0.811	1.730	19.4	19.1
10 8	22 33.41	−20 32.4	0.888	1.752	23.2	19.5

150234 1998 XW_{13} 9 3.3 287.°02 0.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.13	− 3 5.2	1.572	2.431	15.9	21.0
8 9	23 9.22	− 3 29.4	1.478	2.408	12.3	20.7
8 19	23 2.85	− 4 10.7	1.405	2.385	8.0	20.4
8 29	22 54.59	− 5 5.8	1.356	2.362	3.1	20.0
9 8	22 45.39	− 6 8.6	1.333	2.338	2.3	19.9
9 18	22 36.42	− 7 11.3	1.336	2.315	7.4	20.2
9 28	22 28.92	− 8 6.1	1.363	2.291	12.3	20.4
10 8	22 23.84	− 8 47.1	1.412	2.268	16.6	20.6

392978 2012 XR_{43} 9 3.3 118.°52 4.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.36	−18 31.5	2.001	2.877	12.3	20.9
8 9	23 9.37	−19 33.9	1.945	2.885	9.2	20.8
8 19	23 2.46	−20 37.2	1.913	2.892	6.3	20.6
8 29	22 54.30	−21 34.4	1.907	2.899	4.7	20.5
9 8	22 45.75	−22 19.3	1.929	2.906	5.9	20.6
9 18	22 37.75	−22 47.3	1.977	2.913	8.7	20.8
9 28	22 31.13	−22 56.3	2.050	2.919	11.7	21.0
10 8	22 26.51	−22 46.8	2.144	2.926	14.3	21.2

18822 1999 NL_{19} 9 3.3 115.°77 3.°4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.80	−14 28.1	2.157	3.032	11.6	18.8
8 9	23 6.62	−15 41.9	2.095	3.036	8.6	18.6
8 19	23 0.73	−17 0.3	2.058	3.041	5.5	18.4
8 29	22 53.70	−18 16.9	2.047	3.046	3.5	18.3
9 8	22 46.28	−19 25.0	2.065	3.051	4.8	18.4
9 18	22 39.27	−20 19.4	2.110	3.055	7.7	18.6
9 28	22 33.43	−20 56.5	2.180	3.060	10.7	18.8
10 8	22 29.34	−21 15.3	2.273	3.064	13.3	19.0

272181 2005 PU_4 9 3.3 15.°95 12.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.04	−26 57.9	0.852	1.779	19.4	18.6
8 9	23 6.43	−28 52.6	0.830	1.788	15.7	18.4
8 19	23 1.33	−30 34.0	0.825	1.799	13.0	18.3
8 29	22 53.97	−31 45.5	0.839	1.812	12.6	18.4
9 8	22 46.15	−32 15.7	0.871	1.827	14.5	18.5
9 18	22 39.62	−32 1.8	0.922	1.845	17.5	18.8
9 28	22 35.75	−31 7.5	0.989	1.864	20.7	19.0
10 8	22 35.16	−29 41.1	1.070	1.885	23.5	19.3

92228 2000 AT_{98} 9 3.3 267.°53 1.°6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.55	+ 1 5.6	2.497	3.320	11.8	19.8
8 9	23 5.61	+ 0 34.1	2.393	3.300	9.3	19.6
8 19	23 0.12	− 0 11.7	2.313	3.279	6.3	19.4
8 29	22 53.52	− 1 9.4	2.259	3.259	3.1	19.1
9 8	22 46.40	− 2 15.3	2.234	3.238	1.9	19.0
9 18	22 39.45	− 3 24.3	2.238	3.216	4.9	19.2
9 28	22 33.38	− 4 31.1	2.270	3.195	8.2	19.4
10 8	22 28.77	− 5 30.6	2.327	3.173	11.2	19.5

72836 2001 HF_{22} 9 3.3 270.°02 4.°9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.56	+11 36.4	2.447	3.217	13.5	19.3
8 9	23 4.84	+11 30.9	2.356	3.213	11.3	19.1
8 19	22 59.61	+11 6.5	2.286	3.209	8.8	18.9
8 29	22 53.32	+10 23.2	2.240	3.206	6.4	18.8
9 8	22 46.60	+ 9 23.6	2.221	3.202	4.9	18.7
9 18	22 40.14	+ 8 11.9	2.229	3.198	5.7	18.7
9 28	22 34.62	+ 6 54.0	2.265	3.194	8.0	18.9
10 8	22 30.61	+ 5 36.1	2.326	3.190	10.6	19.0

235210 2003 SB_{189} 9 3.3 20.°82 1.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.33	−10 15.3	1.635	2.509	14.7	19.9
8 9	23 9.71	−10 44.6	1.570	2.511	11.0	19.7
8 19	23 2.87	−11 22.3	1.527	2.513	6.7	19.4
8 29	22 54.50	−12 2.8	1.509	2.515	2.6	19.2
9 8	22 45.60	−12 39.7	1.517	2.517	3.5	19.2
9 18	22 37.28	−13 7.5	1.551	2.520	7.7	19.5
9 28	22 30.55	−13 21.9	1.610	2.522	11.8	19.8
10 8	22 26.12	−13 21.3	1.690	2.526	15.2	20.0

192270 7642 P–L 9 3.3 331.°10 11.°6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.52	−32 29.4	1.261	2.141	17.8	18.9
8 9	23 19.32	−33 4.4	1.196	2.122	15.0	18.7
8 19	23 9.42	−33 24.0	1.150	2.103	12.6	18.5
8 29	22 56.90	−33 15.5	1.125	2.086	11.6	18.4
9 8	22 43.51	−32 30.1	1.123	2.070	12.9	18.4
9 18	22 31.22	−31 5.9	1.142	2.055	15.8	18.5
9 28	22 21.72	−29 7.7	1.182	2.041	19.1	18.7
10 8	22 15.95	−26 44.6	1.240	2.029	22.3	18.9

334337 2001 XO_{177} 9 3.3 155.°54 1.°8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.36	+ 0 22.1	2.138	2.964	13.5	20.9
8 9	23 9.25	+ 0 1.0	2.063	2.971	10.4	20.7
8 19	23 2.37	− 0 34.3	2.011	2.978	7.0	20.5
8 29	22 54.29	− 1 21.2	1.984	2.984	3.4	20.3
9 8	22 45.79	− 2 15.3	1.986	2.990	2.1	20.2
9 18	22 37.70	− 3 11.2	2.017	2.995	5.4	20.4
9 28	22 30.81	− 4 3.5	2.075	2.999	8.9	20.7
10 8	22 25.73	− 4 47.8	2.158	3.003	12.0	20.9

147169 2002 VY_{23} 9 3.3 270.°12 3.°2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.69	+ 2 44.6	1.682	2.514	16.3	20.3
8 9	23 9.47	+ 2 40.3	1.588	2.496	13.0	20.1
8 19	23 2.93	+ 2 16.5	1.514	2.478	9.1	19.8
8 29	22 54.62	+ 1 34.1	1.464	2.460	5.1	19.5
9 8	22 45.44	+ 0 37.3	1.439	2.441	3.4	19.4
9 18	22 36.51	− 0 27.6	1.441	2.422	6.8	19.5
9 28	22 28.97	− 1 32.8	1.469	2.402	11.1	19.7
10 8	22 23.71	− 2 30.9	1.519	2.383	15.2	19.9

349254 2007 TY_{138} 9 3.3 4.°91 4.°9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.94	+ 0 44.9	1.358	2.205	18.6	19.1
8 9	23 12.89	+ 1 57.9	1.290	2.205	14.9	18.9
8 19	23 5.11	+ 2 55.9	1.241	2.206	10.6	18.7
8 29	22 55.36	+ 3 37.3	1.215	2.208	6.5	18.4
9 8	22 44.86	+ 4 2.8	1.214	2.211	5.1	18.4
9 18	22 34.99	+ 4 14.9	1.237	2.215	8.0	18.6
9 28	22 27.04	+ 4 18.6	1.284	2.220	12.2	18.8
10 8	22 21.90	+ 4 19.7	1.352	2.226	16.1	19.1

370651 2004 BX_{102} 9 3.3 304.°37 5.°1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 28.79	−18 29.7	1.390	2.261	16.9	19.6
8 9	23 22.22	−18 36.3	1.277	2.213	13.3	19.2
8 19	23 11.81	−18 42.4	1.184	2.164	9.1	18.9
8 29	22 58.05	−18 39.5	1.115	2.115	5.4	18.5
9 8	22 42.22	−18 18.4	1.072	2.065	6.8	18.4
9 18	22 26.21	−17 33.1	1.056	2.014	11.9	18.6
9 28	22 12.12	−16 22.1	1.063	1.963	17.6	18.7
10 8	22 1.57	−14 48.6	1.090	1.912	22.7	18.9

224042 2005 MK_{14} 9 3.3 357.°28 4.°9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.45	+ 3 25.7	1.201	2.058	19.9	19.9
8 9	23 8.30	+ 3 54.5	1.134	2.054	16.0	19.6
8 19	23 2.38	+ 3 59.9	1.085	2.052	11.5	19.3
8 29	22 54.43	+ 3 41.7	1.056	2.050	7.0	19.1
9 8	22 45.68	+ 3 4.0	1.050	2.050	5.0	19.0
9 18	22 37.51	+ 2 13.8	1.067	2.050	8.1	19.2
9 28	22 31.27	+ 1 20.3	1.107	2.052	12.7	19.4
10 8	22 27.88	+ 0 32.6	1.166	2.054	17.0	19.7

48772 1997 MR_9 9 3.3 100.°63 1.°9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.85	+ 2 25.0	1.977	2.806	14.3	19.3
8 9	23 6.72	+ 1 39.2	1.909	2.818	11.1	19.1
8 19	23 0.83	+ 0 35.5	1.863	2.830	7.5	18.9
8 29	22 53.77	− 0 42.5	1.842	2.841	3.7	18.7
9 8	22 46.31	− 2 8.6	1.849	2.853	2.2	18.7
9 18	22 39.30	− 3 35.9	1.885	2.864	5.5	18.9
9 28	22 33.53	− 4 57.3	1.947	2.875	9.1	19.2
10 8	22 29.57	− 6 7.1	2.034	2.886	12.4	19.4

399894 2005 WA_{83} 9 3.3 171.°41 1.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.60	−10 28.3	2.407	3.267	11.0	22.0
8 9	23 7.04	−11 7.7	2.334	3.268	8.2	21.8
8 19	23 0.94	−11 53.2	2.286	3.269	5.0	21.6
8 29	22 53.79	−12 40.6	2.265	3.270	2.0	21.4
9 8	22 46.28	−13 25.0	2.272	3.271	2.8	21.5
9 18	22 39.12	−14 2.3	2.308	3.271	6.0	21.7
9 28	22 33.00	−14 29.0	2.371	3.272	9.0	21.9
10 8	22 28.46	−14 43.4	2.458	3.272	11.7	22.0

20545 Karenhowell 9 3.3 112.°56 4.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.54	+ 5 0.2	1.583	2.404	17.6	18.6
8 9	23 11.40	+ 5 5.3	1.518	2.417	14.1	18.4
8 19	23 3.95	+ 4 48.9	1.472	2.428	10.1	18.2
8 29	22 54.90	+ 4 12.4	1.450	2.440	6.1	18.0
9 8	22 45.33	+ 3 20.2	1.454	2.451	4.3	17.9
9 18	22 36.37	+ 2 19.0	1.484	2.462	6.9	18.1
9 28	22 29.08	+ 1 16.7	1.539	2.473	10.7	18.4
10 8	22 24.19	+ 0 20.4	1.618	2.483	14.3	18.6

122954 2000 SA_{203} 9 3.3 276.°09 0.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.67	− 5 26.7	1.740	2.600	14.6	20.3
8 9	23 9.32	− 5 51.7	1.653	2.585	11.1	20.0
8 19	23 2.75	− 6 29.8	1.588	2.569	7.0	19.8
8 29	22 54.54	− 7 16.9	1.548	2.554	2.5	19.5
9 8	22 45.60	− 8 7.3	1.534	2.539	2.3	19.4
9 18	22 36.99	− 8 54.6	1.548	2.523	7.0	19.7
9 28	22 29.76	− 9 32.7	1.586	2.508	11.3	19.9
10 8	22 24.73	− 9 57.7	1.647	2.492	15.1	20.1

322970 2002 LA_{10} 9 3.3 27.°30 5.°4/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.33	−13 40.6	0.911	1.828	19.5	19.5
8 9	23 7.74	−14 59.8	0.880	1.843	14.4	19.3
8 19	23 2.00	−16 27.0	0.867	1.859	9.1	19.0
8 29	22 54.23	−17 49.1	0.875	1.877	5.5	18.9
9 8	22 46.02	−18 53.0	0.904	1.897	7.4	19.1
9 18	22 38.97	−19 30.4	0.954	1.917	12.1	19.4
9 28	22 34.35	−19 38.3	1.023	1.939	16.6	19.8
10 8	22 32.83	−19 18.6	1.110	1.962	20.3	20.1

491799 2012 XD_{57} 9 3.3 21.°91 10.°4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.16	+18 37.0	1.423	2.194	21.6	20.5
8 9	23 6.25	+19 23.0	1.360	2.201	18.8	20.3
8 19	23 0.93	+19 35.8	1.311	2.210	15.8	20.2
8 29	22 53.89	+19 11.9	1.282	2.219	12.8	20.0
9 8	22 46.22	+18 12.6	1.273	2.229	10.8	19.9
9 18	22 39.10	+16 43.9	1.286	2.240	10.6	20.0
9 28	22 33.67	+14 56.4	1.322	2.252	12.4	20.1
10 8	22 30.73	+13 3.0	1.380	2.265	15.1	20.3

63765 2001 QM_{284} 9 3.3 264.°37 5.°8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.94	−19 49.7	1.791	2.671	13.3	18.9
8 9	23 11.11	−21 3.2	1.712	2.652	10.2	18.6
8 19	23 3.91	−22 19.2	1.656	2.633	7.3	18.4
8 29	22 54.96	−23 29.2	1.626	2.614	5.8	18.3
9 8	22 45.25	−24 24.6	1.622	2.594	7.4	18.4
9 18	22 35.91	−24 58.9	1.644	2.574	10.6	18.5
9 28	22 28.07	−25 9.0	1.689	2.553	14.0	18.7
10 8	22 22.58	−24 55.3	1.754	2.532	17.1	18.8

269418 2009 SM_{52} 9 3.3 184.°54 0.°0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.57	− 4 21.3	1.917	2.766	13.9	21.4
8 9	23 9.67	− 5 0.5	1.841	2.767	10.5	21.2
8 19	23 2.78	− 5 52.9	1.788	2.767	6.6	21.0
8 29	22 54.51	− 6 53.9	1.760	2.766	2.3	20.7
9 8	22 45.71	− 7 57.7	1.760	2.765	2.1	20.7
9 18	22 37.32	− 8 57.7	1.789	2.763	6.4	21.0
9 28	22 30.26	− 9 48.3	1.844	2.761	10.3	21.2
10 8	22 25.21	−10 25.7	1.922	2.758	13.7	21.4

26065 3761 $T\text{-}_3$ 9 3.3 111.°88 1.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.39	− 6 39.3	1.478	2.344	16.4	19.3
8 9	23 12.11	− 7 25.4	1.423	2.358	12.2	19.1
8 19	23 4.39	− 8 24.8	1.389	2.372	7.5	18.8
8 29	22 55.06	− 9 30.9	1.379	2.386	2.6	18.6
9 8	22 45.27	−10 35.4	1.397	2.399	3.0	18.6
9 18	22 36.22	−11 30.9	1.440	2.412	7.8	19.0
9 28	22 29.01	−12 11.5	1.508	2.425	12.2	19.2
10 8	22 24.33	−12 34.7	1.598	2.436	15.8	19.5

204084 2003 WG_{39} 9 3.3 157.°55 5.°8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.09	+11 50.8	2.180	2.948	15.0	20.7
8 9	23 8.39	+12 5.6	2.098	2.952	12.6	20.5
8 19	23 1.91	+12 0.3	2.036	2.956	9.9	20.3
8 29	22 54.19	+11 34.4	1.998	2.960	7.3	20.2
9 8	22 45.99	+10 50.1	1.986	2.963	5.8	20.1
9 18	22 38.13	+ 9 51.3	2.001	2.966	6.6	20.2
9 28	22 31.43	+ 8 44.3	2.043	2.969	9.0	20.3
10 8	22 26.51	+ 7 35.8	2.110	2.971	11.6	20.5

477674 2010 OS_{115} 9 3.3 120.°22 3.°6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.57	−17 37.9	2.038	2.901	12.6	21.1
8 9	23 13.89	−17 58.5	1.978	2.911	9.5	20.9
8 19	23 5.23	−18 19.1	1.943	2.922	6.2	20.7
8 29	22 55.31	−18 34.5	1.934	2.932	3.8	20.6
9 8	22 45.07	−18 40.0	1.954	2.942	4.7	20.7
9 18	22 35.48	−18 32.8	2.002	2.951	7.8	20.9
9 28	22 27.44	−18 11.7	2.076	2.961	10.9	21.1
10 8	22 21.52	−17 37.6	2.173	2.970	13.6	21.3

148028 1998 EY_{12} 9 3.3 283.°09 2.°7/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.97	−14 25.6	2.052	2.919	12.4	19.3
8 9	23 10.60	−14 46.0	1.978	2.915	9.3	19.1
8 19	23 3.29	−15 9.6	1.928	2.910	5.8	18.9
8 29	22 54.67	−15 31.5	1.904	2.906	3.0	18.7
9 8	22 45.58	−15 47.0	1.908	2.902	3.9	18.8
9 18	22 36.95	−15 52.3	1.939	2.898	7.3	19.0
9 28	22 29.65	−15 45.2	1.997	2.894	10.6	19.2
10 8	22 24.34	−15 25.0	2.077	2.890	13.6	19.4

27750 1991 CW_2 9 3.3 256.°53 2.°9/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.34	−13 23.4	1.761	2.631	13.9	18.2
8 9	23 12.04	−13 55.1	1.681	2.619	10.5	18.0
8 19	23 4.43	−14 32.6	1.623	2.607	6.6	17.7
8 29	22 55.14	−15 9.8	1.591	2.595	3.2	17.5
9 8	22 45.16	−15 40.4	1.586	2.582	4.4	17.5
9 18	22 35.62	−15 59.0	1.608	2.569	8.3	17.8
9 28	22 27.60	−16 2.4	1.655	2.556	12.3	18.0
10 8	22 21.91	−15 49.3	1.724	2.543	15.7	18.2

487053 2014 OJ_{58} 9 3.3 345.°34 3.°9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.19	−16 48.8	2.269	3.145	11.0	21.2
8 9	23 6.15	−17 58.1	2.204	3.145	8.2	21.0
8 19	23 0.47	−19 10.2	2.164	3.145	5.5	20.8
8 29	22 53.67	−20 19.0	2.150	3.144	3.9	20.7
9 8	22 46.47	−21 18.3	2.165	3.144	5.2	20.8
9 18	22 39.64	−22 3.3	2.206	3.144	7.9	21.0
9 28	22 33.92	−22 31.1	2.273	3.144	10.6	21.1
10 8	22 29.88	−22 41.0	2.361	3.143	13.1	21.3

405 Thia 9 3.3 120.°70 5.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.13	+12 43.0	2.186	2.945	15.3	13.3
8 9	23 9.80	+12 54.1	2.116	2.964	12.8	13.2
8 19	23 2.71	+12 44.5	2.066	2.981	10.0	13.1
8 29	22 54.46	+12 13.9	2.040	2.999	7.4	12.9
9 8	22 45.82	+11 24.8	2.040	3.015	5.9	12.9
9 18	22 37.64	+10 21.8	2.068	3.031	6.6	12.9
9 28	22 30.69	+ 9 11.3	2.124	3.046	8.8	13.1
10 8	22 25.57	+ 8 0.0	2.204	3.061	11.4	13.3

359345 2009 SE_{198} 9 3.3 316.°60 0.°3/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.36	− 4 50.0	4.186	5.020	7.2	21.3
8 9	23 1.84	− 5 2.5	4.099	5.016	5.5	21.2
8 19	22 57.48	− 5 20.2	4.037	5.012	3.5	21.1
8 29	22 52.58	− 5 41.4	4.003	5.008	1.3	20.9
9 8	22 47.47	− 6 4.3	3.999	5.004	1.0	20.9
9 18	22 42.52	− 6 26.7	4.025	5.000	3.1	21.0
9 28	22 38.09	− 6 46.6	4.080	4.996	5.1	21.2
10 8	22 34.48	− 7 2.4	4.161	4.993	7.0	21.3

396507 2014 GA_6 9 3.3 194.°80 3.°9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.83	+ 8 58.6	2.251	3.038	14.1	21.3
8 9	23 6.66	+ 8 29.2	2.162	3.036	11.5	21.1
8 19	23 0.83	+ 7 39.5	2.094	3.034	8.5	20.9
8 29	22 53.83	+ 6 30.6	2.051	3.032	5.6	20.7
9 8	22 46.36	+ 5 6.6	2.036	3.029	3.9	20.6
9 18	22 39.19	+ 3 33.3	2.049	3.025	5.5	20.7
9 28	22 33.07	+ 1 58.0	2.091	3.021	8.5	20.9
10 8	22 28.62	+ 0 27.7	2.158	3.017	11.5	21.1

1404 Ajax 9 3.3 318.°32 0.°8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.19	− 3 2.2	4.071	4.895	7.6	16.3
8 9	23 3.21	− 3 0.6	3.979	4.888	5.8	16.2
8 19	22 58.35	− 3 4.6	3.912	4.881	3.8	16.1
8 29	22 52.89	− 3 13.0	3.873	4.874	1.7	15.9
9 8	22 47.21	− 3 24.0	3.864	4.868	1.1	15.8
9 18	22 41.68	− 3 36.0	3.885	4.861	3.1	16.0
9 28	22 36.69	− 3 46.9	3.935	4.855	5.2	16.1
10 8	22 32.58	− 3 55.0	4.011	4.848	7.1	16.3

445444 2010 UP_{73} 9 3.3 263.°54 4.°5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.49	−20 18.6	2.338	3.210	10.9	21.1
8 9	23 8.63	−21 6.7	2.265	3.201	8.3	20.9
8 19	23 2.03	−21 54.5	2.217	3.192	5.8	20.7
8 29	22 54.24	−22 36.4	2.195	3.183	4.5	20.6
9 8	22 46.02	−23 7.2	2.202	3.175	5.7	20.7
9 18	22 38.17	−23 23.0	2.235	3.166	8.2	20.8
9 28	22 31.48	−23 22.1	2.293	3.157	10.8	21.0
10 8	22 26.54	−23 4.5	2.374	3.147	13.3	21.1

450500 2005 YM_{192} 9 3.3 284.°10 2.°8/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.46	+ 1 53.8	2.277	3.096	13.0	20.9
8 9	23 7.89	+ 2 4.6	2.187	3.087	10.3	20.7
8 19	23 1.61	+ 2 2.5	2.118	3.078	7.2	20.5
8 29	22 54.13	+ 1 48.3	2.075	3.069	4.1	20.3
9 8	22 46.12	+ 1 24.7	2.060	3.060	2.9	20.2
9 18	22 38.38	+ 0 55.2	2.073	3.051	5.3	20.3
9 28	22 31.69	+ 0 24.2	2.113	3.042	8.5	20.5
10 8	22 26.66	− 0 4.1	2.178	3.033	11.6	20.7

404419 2013 GF_{79} 9 3.3 119.°15 0.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.90	− 3 0.9	2.523	3.362	11.3	21.5
8 9	23 5.68	− 3 48.6	2.454	3.374	8.5	21.4
8 19	23 0.07	− 4 47.1	2.409	3.385	5.4	21.2
8 29	22 53.53	− 5 52.7	2.391	3.396	2.0	21.0
9 8	22 46.69	− 7 0.6	2.402	3.407	1.5	21.0
9 18	22 40.19	− 8 5.9	2.443	3.418	4.9	21.2
9 28	22 34.65	− 9 4.0	2.512	3.428	7.9	21.4
10 8	22 30.56	− 9 51.5	2.605	3.438	10.6	21.6

65675 Mohr–Gruber 9 3.3 160.°28 0.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.83	− 8 20.6	2.715	3.566	10.2	19.5
8 9	23 6.31	− 8 57.6	2.642	3.571	7.6	19.3
8 19	23 0.44	− 9 41.1	2.593	3.574	4.7	19.1
8 29	22 53.66	−10 27.7	2.572	3.578	1.6	18.9
9 8	22 46.57	−11 13.2	2.580	3.581	2.1	19.0
9 18	22 39.78	−11 53.9	2.617	3.584	5.1	19.2
9 28	22 33.91	−12 26.3	2.682	3.587	8.0	19.4
10 8	22 29.41	−12 48.5	2.772	3.589	10.5	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
518215	2016 QQ_{89}		9	3.3	180.°32	4.°0/29.4 18
	h m	° ′			°	m
7 30	23 13.24	−16 36.5	2.304	3.174	11.1	21.7
8 9	23 8.43	−17 58.7	2.238	3.175	8.3	21.5
8 19	23 1.91	−19 24.3	2.197	3.176	5.5	21.4
8 29	22 54.22	−20 46.5	2.183	3.176	4.0	21.3
9 8	22 46.08	−21 58.6	2.199	3.176	5.3	21.4
9 18	22 38.31	−22 55.5	2.242	3.175	8.0	21.5
9 28	22 31.69	−23 33.8	2.311	3.173	10.8	21.7
10 8	22 26.80	−23 53.0	2.402	3.171	13.3	21.9
252835	2002 GM_{117}		9	3.3	181.°63	6.°8/26.8 18
7 30	23 17.06	−29 21.5	2.434	3.296	10.9	20.3
8 9	23 11.22	−30 15.4	2.379	3.296	8.8	20.2
8 19	23 3.59	−31 2.3	2.348	3.296	7.3	20.1
8 29	22 54.78	−31 36.0	2.343	3.296	6.9	20.1
9 8	22 45.63	−31 51.7	2.364	3.296	7.9	20.1
9 18	22 37.01	−31 47.1	2.412	3.296	9.7	20.2
9 28	22 29.71	−31 22.1	2.483	3.295	11.8	20.4
10 8	22 24.32	−30 38.8	2.575	3.294	13.7	20.5
283660	2002 PV_{7}		9	3.3	27.°10	2.°4/ 5.2 18
7 30	23 12.08	− 0 14.1	1.433	2.290	17.3	20.4
8 9	23 8.23	− 0 14.9	1.374	2.299	13.4	20.2
8 19	23 2.06	− 0 33.9	1.335	2.309	9.0	19.9
8 29	22 54.31	− 1 8.4	1.319	2.319	4.4	19.7
9 8	22 46.05	− 1 52.8	1.327	2.331	2.8	19.6
9 18	22 38.42	− 2 40.2	1.360	2.343	6.8	19.9
9 28	22 32.50	− 3 23.7	1.418	2.355	11.2	20.2
10 8	22 28.97	− 3 57.5	1.498	2.368	15.0	20.5
313956	2004 RB_{237}		9	3.3	34.°80	2.°2/ 5.7 18
7 30	23 8.79	+ 2 22.3	1.975	2.807	14.2	20.3
8 9	23 5.26	+ 1 49.7	1.903	2.813	11.1	20.1
8 19	22 59.99	+ 0 59.7	1.853	2.819	7.5	19.9
8 29	22 53.55	− 0 4.7	1.828	2.826	3.9	19.7
9 8	22 46.69	− 1 18.2	1.830	2.833	2.4	19.6
9 18	22 40.23	− 2 34.5	1.859	2.840	5.5	19.9
9 28	22 34.95	− 3 46.7	1.915	2.847	9.0	20.1
10 8	22 31.44	− 4 49.2	1.995	2.855	12.3	20.3
278212	2007 EG_{42}		9	3.3	236.°59	1.°3/ 2.3 18
7 30	23 16.51	− 9 1.1	1.751	2.614	14.3	21.3
8 9	23 11.38	− 9 25.5	1.673	2.608	10.8	21.1
8 19	23 4.00	− 9 59.2	1.618	2.601	6.7	20.8
8 29	22 55.02	−10 37.3	1.587	2.594	2.4	20.5
9 8	22 45.40	−11 13.8	1.584	2.586	3.0	20.6
9 18	22 36.23	−11 43.3	1.608	2.579	7.4	20.8
9 28	22 28.55	−12 1.2	1.658	2.571	11.5	21.1
10 8	22 23.14	−12 5.3	1.729	2.563	15.1	21.3
320518	2007 YS_{18}		9	3.3	352.°35	3.°3/31.8 18
7 30	23 13.11	−10 55.4	1.247	2.138	17.1	20.1
8 9	23 9.49	−11 57.9	1.186	2.136	12.8	19.9
8 19	23 3.10	−13 12.5	1.146	2.135	7.9	19.6
8 29	22 54.74	−14 30.5	1.129	2.134	3.7	19.4
9 8	22 45.66	−15 40.9	1.135	2.133	5.3	19.5
9 18	22 37.25	−16 34.7	1.166	2.132	10.1	19.7
9 28	22 30.82	−17 5.8	1.219	2.132	14.7	20.0
10 8	22 27.22	−17 12.8	1.291	2.133	18.7	20.3
292182	2006 SB_{20}		9	3.3	318.°32	0.°8/ 3.9 15
7 30	23 13.11	− 4 14.0	1.263	2.139	18.0	21.5
8 9	23 9.64	− 4 19.7	1.185	2.124	13.9	21.2
8 19	23 3.34	− 4 42.2	1.127	2.109	9.0	20.9
8 29	22 54.89	− 5 18.2	1.090	2.096	3.5	20.5
9 8	22 45.49	− 6 1.1	1.077	2.082	2.6	20.4
9 18	22 36.53	− 6 43.1	1.088	2.070	8.2	20.7
9 28	22 29.43	− 7 16.7	1.122	2.058	13.5	21.0
10 8	22 25.19	− 7 36.2	1.176	2.047	18.2	21.2
511085	2013 TH_{98}		9	3.3	299.°26	0.°3/ 3.6 18
7 30	23 11.93	− 3 39.5	1.416	2.285	16.8	21.3
8 9	23 8.58	− 4 10.0	1.327	2.263	12.9	21.0
8 19	23 2.62	− 4 59.3	1.259	2.241	8.3	20.7
8 29	22 54.64	− 6 3.4	1.213	2.219	3.1	20.4
9 8	22 45.68	− 7 14.7	1.193	2.198	2.5	20.3
9 18	22 37.00	− 8 24.5	1.197	2.177	8.0	20.5
9 28	22 29.92	− 9 23.9	1.225	2.156	13.2	20.8
10 8	22 25.45	−10 6.4	1.274	2.135	17.7	21.0
356667	2011 UY_{77}		9	3.3	204.°24	0.°4/ 2.9 18
7 30	23 13.45	− 6 53.9	2.196	3.047	12.3	21.3
8 9	23 8.62	− 7 15.6	2.118	3.045	9.2	21.1
8 19	23 2.06	− 7 46.0	2.063	3.043	5.7	20.8
8 29	22 54.30	− 8 21.5	2.035	3.041	2.0	20.6
9 8	22 46.09	− 8 57.8	2.035	3.039	2.0	20.6
9 18	22 38.25	− 9 30.3	2.063	3.036	5.8	20.8
9 28	22 31.56	− 9 55.3	2.119	3.033	9.3	21.1
10 8	22 26.62	−10 9.9	2.198	3.030	12.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
376099	2010 VP_{184}		9	3.3	25.°83	8.°2/28.9 17
	h m	° ′			°	m
7 30	23 16.59	−21 58.7	1.135	2.037	17.6	19.9
8 9	23 12.27	−23 9.5	1.093	2.043	13.6	19.7
8 19	23 4.83	−24 17.4	1.071	2.050	9.9	19.6
8 29	22 55.32	−25 10.3	1.070	2.058	8.2	19.5
9 8	22 45.28	−25 37.9	1.092	2.066	9.9	19.6
9 18	22 36.30	−25 35.5	1.136	2.075	13.4	19.8
9 28	22 29.74	−25 3.2	1.200	2.085	17.1	20.1
10 8	22 26.35	−24 5.3	1.282	2.095	20.4	20.4
315070	2007 DH_{41}		9	3.3	67.°97	0.°4/ 3.7 18
7 30	23 13.87	− 5 28.9	2.220	3.065	12.4	20.1
8 9	23 8.85	− 5 32.2	2.147	3.070	9.4	19.9
8 19	23 2.15	− 5 44.0	2.097	3.074	5.9	19.7
8 29	22 54.31	− 6 1.8	2.074	3.079	2.2	19.5
9 8	22 46.10	− 6 22.0	2.079	3.084	1.7	19.4
9 18	22 38.29	− 6 40.9	2.112	3.088	5.4	19.7
9 28	22 31.64	− 6 55.1	2.173	3.093	8.8	19.9
10 8	22 26.73	− 7 1.9	2.258	3.098	11.7	20.1
490321	2009 BB_{80}		9	3.4	246.°38	0.°4/ 2.9 18
7 30	23 15.60	− 7 9.3	2.207	3.055	12.3	22.4
8 9	23 10.36	− 7 28.3	2.113	3.039	9.4	22.2
8 19	23 3.25	− 7 56.1	2.042	3.022	5.9	21.9
8 29	22 54.77	− 8 29.3	1.999	3.005	2.0	21.6
9 8	22 45.69	− 9 3.4	1.984	2.987	2.1	21.6
9 18	22 36.85	− 9 34.0	1.997	2.969	6.0	21.8
9 28	22 29.15	− 9 57.0	2.038	2.950	9.7	22.0
10 8	22 23.26	−10 9.7	2.103	2.931	12.9	22.2
258000	2001 EQ_{16}		9	3.4	150.°13	1.°1/ 4.2 17
7 30	23 17.36	− 2 46.5	1.708	2.553	15.5	20.5
8 9	23 11.94	− 3 0.3	1.638	2.560	11.9	20.3
8 19	23 4.30	− 3 28.3	1.590	2.566	7.7	20.1
8 29	22 55.13	− 4 7.2	1.567	2.571	3.2	19.8
9 8	22 45.42	− 4 51.4	1.571	2.576	2.1	19.8
9 18	22 36.26	− 5 35.2	1.603	2.580	6.5	20.1
9 28	22 28.66	− 6 12.7	1.660	2.584	10.7	20.3
10 8	22 23.35	− 6 39.7	1.740	2.588	14.3	20.6
242859	2006 GW_{16}		9	3.4	217.°82	1.°3/ 2.1 18
7 30	23 13.92	− 8 20.3	2.032	2.890	12.8	21.4
8 9	23 9.17	− 9 2.4	1.952	2.884	9.6	21.2
8 19	23 2.50	− 9 54.1	1.895	2.878	5.9	21.0
8 29	22 54.49	−10 50.5	1.865	2.872	2.1	20.7
9 8	22 45.95	−11 45.7	1.863	2.865	2.8	20.7
9 18	22 37.76	−12 34.1	1.889	2.857	6.7	21.0
9 28	22 30.81	−13 10.9	1.942	2.849	10.4	21.2
10 8	22 25.77	−13 33.6	2.017	2.841	13.6	21.4
36355	2000 NJ_{27}		9	3.4	82.°43	0.°7/ 2.9 18
7 30	23 18.86	− 7 9.0	1.302	2.175	17.8	18.5
8 9	23 13.50	− 7 30.7	1.250	2.188	13.3	18.3
8 19	23 5.42	− 8 5.4	1.217	2.201	8.3	18.0
8 29	22 55.53	− 8 47.1	1.208	2.215	2.8	17.7
9 8	22 45.14	− 9 28.2	1.224	2.228	2.9	17.8
9 18	22 35.63	−10 1.9	1.266	2.242	8.2	18.1
9 28	22 28.21	−10 22.8	1.331	2.255	12.9	18.4
10 8	22 23.61	−10 28.4	1.417	2.268	16.8	18.7
481590	2007 TJ_{169}		9	3.4	313.°76	5.°4/ 8.1 16
7 30	23 9.14	+ 7 58.6	1.642	2.460	17.2	20.8
8 9	23 6.15	+ 8 4.2	1.547	2.440	14.2	20.6
8 19	23 0.93	+ 7 46.0	1.472	2.420	10.7	20.3
8 29	22 54.03	+ 7 3.3	1.418	2.401	7.2	20.1
9 8	22 46.31	+ 5 59.1	1.389	2.382	5.4	19.9
9 18	22 38.81	+ 4 39.3	1.385	2.363	7.2	20.0
9 28	22 32.66	+ 3 13.0	1.406	2.345	11.0	20.2
10 8	22 28.70	+ 1 49.4	1.449	2.328	14.8	20.4
483620	2004 TF_{108}		9	3.4	335.°56	10.°4/25.1 18
7 30	23 17.51	−33 52.5	1.719	2.590	14.2	20.0
8 9	23 12.46	−34 55.7	1.661	2.576	12.1	19.9
8 19	23 4.79	−35 46.7	1.625	2.563	10.7	19.8
8 29	22 55.33	−36 15.9	1.611	2.550	10.5	19.7
9 8	22 45.28	−36 16.3	1.620	2.538	11.8	19.8
9 18	22 35.97	−35 45.2	1.652	2.526	13.9	19.9
9 28	22 28.58	−34 43.9	1.704	2.516	16.3	20.0
10 8	22 23.87	−33 17.4	1.775	2.506	18.6	20.2
302773	2002 VZ_{135}		9	3.4	281.°80	3.°3/ 6.5 18
7 30	23 12.03	+ 3 31.0	1.980	2.802	14.6	21.0
8 9	23 7.88	+ 3 32.8	1.888	2.788	11.7	20.8
8 19	23 1.79	+ 3 17.8	1.817	2.775	8.3	20.6
8 29	22 54.28	+ 2 47.0	1.770	2.762	4.9	20.4
9 8	22 46.13	+ 2 3.5	1.749	2.748	3.4	20.2
9 18	22 38.24	+ 1 12.1	1.756	2.735	5.9	20.4
9 28	22 31.52	+ 0 19.0	1.789	2.722	9.6	20.6
10 8	22 26.70	− 0 29.9	1.846	2.708	13.0	20.8

22722 Timothycooper 9 3.4 94.°15 2.°8/ 6.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.59	+ 5 24.3	2.035	2.844	14.6	17.4
8 9	23 7.93	+ 4 40.2	1.975	2.869	11.5	17.3
8 19	23 1.58	+ 3 36.9	1.936	2.892	8.0	17.1
8 29	22 54.13	+ 2 18.0	1.923	2.916	4.5	16.9
9 8	22 46.38	+ 0 49.1	1.938	2.939	2.8	16.9
9 18	22 39.14	− 0 42.8	1.982	2.961	5.3	17.1
9 28	22 33.17	− 2 10.4	2.054	2.983	8.7	17.3
10 8	22 28.99	− 3 28.0	2.151	3.005	11.7	17.6

268290 2005 QE_{62} 9 3.4 249.°15 1.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.41	− 8 32.1	1.638	2.503	15.1	21.1
8 9	23 12.21	− 8 47.6	1.562	2.497	11.4	20.9
8 19	23 4.62	− 9 12.8	1.507	2.490	7.1	20.6
8 29	22 55.31	− 9 43.1	1.477	2.484	2.5	20.3
9 8	22 45.31	−10 12.6	1.474	2.477	2.8	20.3
9 18	22 35.81	−10 35.8	1.497	2.470	7.5	20.6
9 28	22 27.91	−10 48.4	1.546	2.463	11.9	20.8
10 8	22 22.44	−10 47.7	1.616	2.456	15.6	21.0

126837 2002 ER_{64} 9 3.4 150.°28 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.41	− 4 13.8	1.901	2.749	14.0	20.3
8 9	23 10.30	− 4 30.1	1.829	2.753	10.7	20.1
8 19	23 3.21	− 4 58.1	1.780	2.757	6.8	19.9
8 29	22 54.76	− 5 34.6	1.756	2.761	2.6	19.6
9 8	22 45.82	− 6 14.4	1.759	2.764	1.9	19.6
9 18	22 37.36	− 6 52.6	1.791	2.767	6.1	19.9
9 28	22 30.26	− 7 24.2	1.849	2.770	10.0	20.1
10 8	22 25.20	− 7 45.7	1.930	2.773	13.3	20.3

102367 1999 TS_{140} 9 3.4 315.°85 2.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.28	−10 26.3	1.449	2.331	15.7	20.0
8 9	23 9.63	−10 48.3	1.359	2.303	11.9	19.7
8 19	23 3.33	−11 20.4	1.288	2.275	7.5	19.4
8 29	22 54.96	−11 57.3	1.242	2.248	2.9	19.0
9 8	22 45.56	−12 31.9	1.220	2.221	3.9	19.0
9 18	22 36.42	−12 57.2	1.223	2.195	8.9	19.2
9 28	22 28.91	−13 7.5	1.249	2.169	13.8	19.5
10 8	22 24.03	−13 0.2	1.295	2.144	18.1	19.7

518297 2017 BV_{10} 9 3.4 246.°63 1.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.06	− 8 33.4	2.546	3.400	10.7	22.2
8 9	23 6.69	− 9 7.3	2.460	3.390	8.0	22.0
8 19	23 0.82	− 9 48.3	2.398	3.380	4.9	21.8
8 29	22 53.91	−10 33.0	2.363	3.369	1.8	21.5
9 8	22 46.57	−11 17.0	2.357	3.359	2.2	21.5
9 18	22 39.48	−11 56.1	2.380	3.348	5.5	21.8
9 28	22 33.33	−12 26.8	2.431	3.337	8.6	21.9
10 8	22 28.66	−12 46.5	2.505	3.326	11.3	22.1

342627 2008 UR_{343} 9 3.4 197.°57 4.°3/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.06	−19 40.3	2.319	3.182	11.3	21.6
8 9	23 12.04	−20 24.2	2.247	3.179	8.6	21.5
8 19	23 4.19	−21 7.9	2.200	3.175	5.9	21.3
8 29	22 55.10	−21 45.6	2.181	3.171	4.3	21.2
9 8	22 45.56	−22 12.1	2.190	3.166	5.4	21.2
9 18	22 36.46	−22 24.0	2.227	3.161	8.0	21.4
9 28	22 28.63	−22 19.4	2.290	3.155	10.8	21.6
10 8	22 22.68	−21 58.8	2.376	3.148	13.3	21.7

210078 2006 QH_{26} 9 3.4 318.°10 0.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.66	− 3 4.7	1.801	2.655	14.4	20.4
8 9	23 7.69	− 3 24.3	1.722	2.648	11.1	20.2
8 19	23 1.70	− 3 57.8	1.664	2.642	7.2	19.9
8 29	22 54.27	− 4 42.0	1.631	2.635	2.9	19.7
9 8	22 46.25	− 5 31.6	1.624	2.629	1.9	19.6
9 18	22 38.61	− 6 20.7	1.644	2.623	6.3	19.9
9 28	22 32.29	− 7 3.3	1.690	2.618	10.4	20.1
10 8	22 28.01	− 7 35.1	1.759	2.612	13.9	20.3

514463 2016 UJ_{106} 9 3.4 248.°59 1.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.04	− 1 22.4	1.938	2.781	14.0	22.0
8 9	23 7.84	− 1 46.9	1.858	2.777	10.8	21.7
8 19	23 1.73	− 2 26.2	1.799	2.772	7.1	21.5
8 29	22 54.28	− 3 17.1	1.765	2.768	3.1	21.3
9 8	22 46.28	− 4 14.6	1.759	2.764	1.9	21.2
9 18	22 38.64	− 5 12.7	1.780	2.759	5.9	21.4
9 28	22 32.24	− 6 5.5	1.828	2.754	9.7	21.6
10 8	22 27.75	− 6 48.2	1.899	2.750	13.2	21.9

158997 2004 SZ_{37} 9 3.4 13.°05 4.°3/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.91	−14 21.8	1.347	2.240	16.0	19.4
8 9	23 9.13	−15 17.4	1.292	2.242	11.9	19.1
8 19	23 2.78	−16 19.4	1.258	2.245	7.6	18.9
8 29	22 54.68	−17 19.2	1.247	2.248	4.4	18.7
9 8	22 46.00	−18 7.6	1.261	2.253	6.0	18.8
9 18	22 38.03	−18 37.8	1.298	2.258	10.0	19.1
9 28	22 31.94	−18 46.3	1.359	2.263	14.1	19.3
10 8	22 28.47	−18 33.0	1.438	2.269	17.7	19.6

54819 2001 NA_1 9 3.4 327.°80 6.°8/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.20	−17 38.4	1.186	2.093	16.6	17.9
8 9	23 7.71	−19 0.1	1.118	2.074	12.7	17.6
8 19	23 2.28	−20 28.9	1.069	2.055	8.8	17.3
8 29	22 54.62	−21 53.2	1.043	2.038	6.8	17.1
9 8	22 45.97	−23 0.3	1.039	2.021	8.9	17.2
9 18	22 37.86	−23 40.5	1.057	2.005	13.1	17.4
9 28	22 31.75	−23 48.7	1.095	1.991	17.5	17.6
10 8	22 28.66	−23 25.7	1.150	1.978	21.4	17.8

154901 2004 RP_{246} 9 3.4 280.°80 2.°2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.10	+ 2 43.3	2.278	3.100	12.9	20.1
8 9	23 5.40	+ 2 16.8	2.189	3.092	10.2	19.9
8 19	23 0.11	+ 1 34.6	2.123	3.085	7.0	19.7
8 29	22 53.69	+ 0 38.8	2.082	3.078	3.8	19.5
9 8	22 46.81	− 0 26.5	2.069	3.071	2.4	19.4
9 18	22 40.19	− 1 36.0	2.084	3.064	5.1	19.5
9 28	22 34.57	− 2 43.9	2.127	3.057	8.4	19.7
10 8	22 30.52	− 3 44.7	2.194	3.050	11.4	19.9

261558 2005 WM_{160} 9 3.4 241.°36 0.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.18	− 5 25.7	2.729	3.568	10.5	21.9
8 9	23 7.48	− 5 48.3	2.633	3.553	8.0	21.7
8 19	23 1.31	− 6 19.2	2.561	3.538	5.0	21.5
8 29	22 54.11	− 6 55.8	2.516	3.522	1.8	21.3
9 8	22 46.46	− 7 34.4	2.501	3.506	1.5	21.2
9 18	22 39.01	− 8 11.3	2.516	3.489	4.8	21.4
9 28	22 32.42	− 8 43.0	2.558	3.472	7.9	21.6
10 8	22 27.23	− 9 6.5	2.626	3.454	10.6	21.8

157292 2004 RN_{312} 9 3.4 349.°63 3.°4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.14	−16 14.2	2.022	2.895	12.3	19.6
8 9	23 9.30	−16 44.7	1.953	2.893	9.2	19.4
8 19	23 2.57	−17 17.4	1.909	2.891	5.9	19.2
8 29	22 54.56	−17 46.8	1.890	2.889	3.6	19.0
9 8	22 46.11	−18 7.8	1.898	2.888	4.6	19.1
9 18	22 38.13	−18 16.5	1.934	2.887	7.7	19.3
9 28	22 31.49	−18 10.6	1.995	2.886	11.0	19.5
10 8	22 26.79	−17 50.1	2.078	2.885	13.8	19.7

103781 2000 DZ_6 9 3.4 250.°33 0.°2/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.53	− 4 8.1	1.691	2.547	15.1	20.4
8 9	23 10.06	− 4 37.7	1.608	2.536	11.6	20.2
8 19	23 3.32	− 5 22.1	1.546	2.525	7.4	19.9
8 29	22 54.91	− 6 17.3	1.508	2.514	2.7	19.6
9 8	22 45.77	− 7 17.1	1.498	2.502	2.2	19.5
9 18	22 36.99	− 8 14.3	1.514	2.491	7.0	19.8
9 28	22 29.66	− 9 2.5	1.556	2.479	11.4	20.0
10 8	22 24.58	− 9 36.9	1.620	2.466	15.3	20.2

154235 2002 JZ_{118} 9 3.4 171.°51 5.°8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.10	−25 18.4	2.521	3.391	10.3	20.3
8 9	23 8.27	−26 31.8	2.465	3.393	8.1	20.2
8 19	23 1.82	−27 41.8	2.434	3.394	6.4	20.1
8 29	22 54.27	−28 42.0	2.430	3.396	5.9	20.0
9 8	22 46.36	−29 27.0	2.453	3.397	7.0	20.1
9 18	22 38.85	−29 53.6	2.502	3.398	9.0	20.3
9 28	22 32.46	−30 0.4	2.576	3.398	11.1	20.4
10 8	22 27.75	−29 48.3	2.671	3.399	13.0	20.6

475984 2007 PO_{23} 9 3.4 357.°03 11.°3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.17	+10 27.1	1.068	1.909	23.0	19.0
8 9	23 7.04	+12 25.2	1.004	1.900	19.8	18.8
8 19	23 1.93	+13 57.6	0.956	1.893	16.3	18.6
8 29	22 54.52	+14 57.2	0.925	1.889	13.1	18.4
9 8	22 46.09	+15 20.8	0.914	1.887	11.4	18.3
9 18	22 38.17	+15 10.4	0.922	1.888	12.2	18.3
9 28	22 32.32	+14 34.1	0.951	1.890	14.9	18.5
10 8	22 29.59	+13 44.0	0.997	1.896	18.3	18.7

94082 2000 YD_{49} 9 3.4 312.°25 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.89	− 5 17.8	1.486	2.357	16.0	19.5
8 9	23 8.44	− 5 37.9	1.399	2.336	12.3	19.2
8 19	23 2.51	− 6 13.2	1.332	2.315	7.8	18.9
8 29	22 54.68	− 6 59.6	1.288	2.294	2.8	18.5
9 8	22 45.95	− 7 50.6	1.269	2.274	2.5	18.5
9 18	22 37.52	− 8 39.0	1.275	2.254	7.7	18.7
9 28	22 30.63	− 9 17.5	1.306	2.235	12.6	19.0
10 8	22 26.22	− 9 41.3	1.357	2.216	16.9	19.2

53968 2000 GO_{65} 9 3.4 187.°08 0.°1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.71	− 5 6.9	1.939	2.788	13.8	20.7
8 9	23 10.57	− 5 39.5	1.862	2.788	10.4	20.4
8 19	23 3.43	− 6 24.1	1.808	2.787	6.6	20.2
8 29	22 54.90	− 7 16.4	1.780	2.786	2.3	19.9
9 8	22 45.83	− 8 10.9	1.780	2.784	2.1	19.9
9 18	22 37.17	− 9 1.6	1.808	2.781	6.3	20.2
9 28	22 29.85	− 9 43.3	1.862	2.778	10.2	20.4
10 8	22 24.54	−10 12.6	1.940	2.775	13.6	20.6

188812 2005 WK_{190} 9 3.4 217.°38 4.°6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.88	−19 5.3	2.258	3.134	11.1	20.3
8 9	23 7.50	−20 13.0	2.193	3.132	8.4	20.2
8 19	23 1.41	−21 21.8	2.153	3.130	5.8	20.0
8 29	22 54.16	−22 25.4	2.140	3.128	4.6	19.9
9 8	22 46.48	−23 17.5	2.154	3.127	5.8	20.0
9 18	22 39.19	−23 53.9	2.195	3.125	8.3	20.2
9 28	22 33.06	−24 12.0	2.261	3.123	11.0	20.3
10 8	22 28.67	−24 11.7	2.348	3.120	13.5	20.5

495956 2007 DF_{22} 9 3.4 316.°33 0.°0/ 3.1 18

7 30	23 9.17	− 3 49.3	2.125	2.976	12.6	21.4
8 9	23 5.53	− 4 37.9	2.046	2.973	9.5	21.1
8 19	23 0.23	− 5 39.5	1.990	2.969	6.0	20.9
8 29	22 53.75	− 6 49.8	1.960	2.966	2.1	20.7
9 8	22 46.83	− 8 2.9	1.958	2.963	1.9	20.6
9 18	22 40.22	− 9 12.9	1.985	2.960	5.7	20.9
9 28	22 34.70	−10 13.9	2.038	2.957	9.3	21.1
10 8	22 30.85	−11 2.0	2.115	2.954	12.5	21.3

174998 2004 EF_{62} 9 3.4 275.°06 0.°5/ 2.9 18

7 30	23 13.56	− 7 3.7	1.975	2.832	13.2	20.7
8 9	23 8.99	− 7 24.6	1.893	2.823	10.0	20.5
8 19	23 2.47	− 7 55.2	1.833	2.814	6.2	20.2
8 29	22 54.58	− 8 31.6	1.799	2.806	2.2	20.0
9 8	22 46.12	− 9 9.0	1.793	2.797	2.2	20.0
9 18	22 38.01	− 9 42.3	1.814	2.788	6.3	20.2
9 28	22 31.16	−10 7.1	1.862	2.779	10.2	20.4
10 8	22 26.23	−10 20.4	1.932	2.770	13.5	20.6

507384 2012 FU_{50} 9 3.4 59.°52 4.°9/31.0 17

7 30	23 18.13	−16 6.3	1.303	2.192	16.7	21.5
8 9	23 13.02	−16 57.3	1.256	2.203	12.5	21.3
8 19	23 5.18	−17 51.8	1.230	2.215	8.1	21.0
8 29	22 55.52	−18 40.7	1.227	2.226	5.0	20.9
9 8	22 45.40	−19 15.3	1.249	2.238	6.5	21.0
9 18	22 36.21	−19 30.0	1.295	2.250	10.4	21.3
9 28	22 29.15	−19 22.6	1.364	2.263	14.5	21.6
10 8	22 24.94	−18 54.6	1.452	2.275	17.9	21.8

282235 2002 CF_{210} 9 3.4 120.°02 0.°8/ 2.6 18

7 30	23 13.26	− 6 16.7	1.770	2.632	14.3	20.5
8 9	23 8.84	− 7 2.7	1.703	2.636	10.7	20.3
8 19	23 2.39	− 8 0.9	1.658	2.641	6.6	20.1
8 29	22 54.54	− 9 6.0	1.639	2.646	2.3	19.8
9 8	22 46.20	−10 11.1	1.647	2.650	2.6	19.9
9 18	22 38.35	−11 9.5	1.682	2.655	6.9	20.2
9 28	22 31.92	−11 55.7	1.743	2.659	10.8	20.4
10 8	22 27.58	−12 26.4	1.826	2.663	14.2	20.6

373700 2002 RG_{171} 9 3.4 1.°55 4.°1/31.7 16

7 30	23 7.94	−12 11.4	0.938	1.854	19.1	19.6
8 9	23 6.22	−12 59.7	0.888	1.850	14.3	19.3
8 19	23 1.37	−13 59.7	0.855	1.848	8.9	19.0
8 29	22 54.28	−15 1.3	0.843	1.848	4.4	18.8
9 8	22 46.44	−15 52.6	0.852	1.850	6.1	18.9
9 18	22 39.44	−16 24.1	0.882	1.854	11.3	19.2
9 28	22 34.75	−16 30.5	0.931	1.860	16.4	19.5
10 8	22 33.20	−16 11.3	0.997	1.867	20.7	19.8

505804 2015 BJ_{378} 9 3.4 257.°80 5.°1/30.5 18

7 30	23 17.51	−16 55.2	1.472	2.356	15.4	20.9
8 9	23 12.59	−17 52.1	1.407	2.351	11.6	20.7
8 19	23 5.00	−18 52.9	1.363	2.346	7.7	20.5
8 29	22 55.53	−19 48.8	1.344	2.341	5.2	20.3
9 8	22 45.36	−20 31.1	1.350	2.336	6.7	20.4
9 18	22 35.83	−20 53.4	1.381	2.331	10.5	20.6
9 28	22 28.16	−20 52.7	1.435	2.326	14.5	20.8
10 8	22 23.20	−20 29.7	1.509	2.320	17.9	21.1

333965 2000 FW_9 9 3.4 121.°55 0.°0/ 3.3 17

7 30	23 15.94	− 4 50.0	1.770	2.623	14.7	21.8
8 9	23 10.77	− 5 26.0	1.708	2.635	11.1	21.6
8 19	23 3.55	− 6 14.8	1.668	2.648	6.9	21.3
8 29	22 54.94	− 7 11.4	1.654	2.660	2.4	21.1
9 8	22 45.91	− 8 9.6	1.667	2.671	2.2	21.1
9 18	22 37.44	− 9 2.9	1.707	2.682	6.5	21.4
9 28	22 30.48	− 9 46.1	1.774	2.693	10.5	21.7
10 8	22 25.67	−10 15.6	1.864	2.703	13.9	21.9

20579 1999 RX_{149} 9 3.4 248.°41 0.°6/ 4.0 18

7 30	23 10.94	− 1 4.3	1.950	2.793	13.9	18.0
8 9	23 7.10	− 2 3.6	1.861	2.782	10.7	17.7
8 19	23 1.35	− 3 20.7	1.795	2.771	6.9	17.5
8 29	22 54.22	− 4 51.2	1.755	2.760	2.7	17.2
9 8	22 46.47	− 6 28.4	1.743	2.748	1.9	17.1
9 18	22 39.01	− 8 4.2	1.759	2.736	6.2	17.4
9 28	22 32.72	− 9 31.1	1.802	2.724	10.2	17.6
10 8	22 28.31	−10 43.1	1.869	2.711	13.7	17.8

74381 1998 XU_{15} 9 3.4 221.°53 3.°1/ 6.4 18

	h m	° ′			°	m
7 30	23 14.06	+ 3 4.4	2.195	3.008	13.6	20.2
8 9	23 9.19	+ 3 10.1	2.107	3.002	10.8	20.0
8 19	23 2.54	+ 3 1.3	2.040	2.997	7.7	19.8
8 29	22 54.62	+ 2 38.9	1.999	2.990	4.5	19.6
9 8	22 46.15	+ 2 5.7	1.985	2.984	3.1	19.5
9 18	22 37.98	+ 1 25.8	2.000	2.977	5.5	19.6
9 28	22 30.91	+ 0 44.2	2.042	2.970	8.8	19.8
10 8	22 25.61	+ 0 5.9	2.108	2.963	11.9	20.0

379564 2011 AE_{78} 9 3.4 228.°23 4.°6/29.6 18

7 30	23 14.66	−15 31.7	1.851	2.727	13.1	21.2
8 9	23 10.06	−17 3.5	1.776	2.717	9.9	21.0
8 19	23 3.29	−18 42.1	1.725	2.706	6.5	20.7
8 29	22 54.92	−20 19.0	1.700	2.695	4.6	20.6
9 8	22 45.88	−21 45.1	1.703	2.683	6.2	20.7
9 18	22 37.19	−22 52.9	1.733	2.671	9.6	20.9
9 28	22 29.89	−23 37.7	1.787	2.658	13.1	21.0
10 8	22 24.76	−23 58.6	1.862	2.644	16.1	21.2

20427 1998 VX_{44} 9 3.4 336.°77 6.°1/26.4 18

7 30	23 8.57	−19 57.6	1.973	2.860	11.9	17.0
8 9	23 5.38	−22 3.6	1.911	2.855	9.1	16.8
8 19	23 0.28	−24 12.5	1.875	2.849	6.8	16.6
8 29	22 53.83	−26 14.4	1.866	2.845	6.2	16.6
9 8	22 46.83	−28 0.0	1.884	2.840	7.9	16.7
9 18	22 40.17	−29 22.3	1.928	2.836	10.6	16.9
9 28	22 34.75	−30 17.6	1.995	2.832	13.3	17.0
10 8	22 31.23	−30 45.9	2.082	2.828	15.7	17.2

186734 2004 CU_{16} 9 3.4 222.°12 1.°8/ 1.8 18

7 30	23 15.40	− 8 56.2	1.733	2.599	14.4	20.8
8 9	23 10.65	− 9 45.4	1.656	2.593	10.8	20.5
8 19	23 3.65	−10 45.6	1.602	2.586	6.7	20.3
8 29	22 55.05	−11 50.8	1.573	2.579	2.5	20.0
9 8	22 45.80	−12 53.6	1.571	2.571	3.5	20.1
9 18	22 36.96	−13 47.2	1.596	2.563	7.7	20.3
9 28	22 29.60	−14 25.9	1.647	2.555	11.9	20.5
10 8	22 24.48	−14 47.2	1.719	2.546	15.4	20.8

521610 2015 PC_{320} 9 3.4 325.°86 6.°3/27.9 18

7 30	23 11.55	−21 23.4	1.797	2.684	12.9	20.6
8 9	23 7.76	−22 42.1	1.732	2.674	10.0	20.4
8 19	23 1.83	−24 1.0	1.690	2.665	7.3	20.2
8 29	22 54.39	−25 11.7	1.673	2.655	6.3	20.1
9 8	22 46.37	−26 6.0	1.681	2.647	7.8	20.2
9 18	22 38.80	−26 38.4	1.715	2.638	10.7	20.4
9 28	22 32.68	−26 46.4	1.771	2.630	13.7	20.5
10 8	22 28.72	−26 30.7	1.846	2.623	16.4	20.7

415429 2013 QM_{32} 9 3.4 208.°62 3.°5/30.5 18

7 30	23 13.49	− 9 23.5	1.739	2.609	14.1	20.7
8 9	23 9.27	−11 30.3	1.664	2.604	10.5	20.4
8 19	23 2.84	−13 52.2	1.614	2.599	6.5	20.2
8 29	22 54.78	−16 19.4	1.591	2.593	3.5	20.0
9 8	22 46.03	−18 39.8	1.597	2.586	5.4	20.1
9 18	22 37.62	−20 42.4	1.632	2.579	9.3	20.3
9 28	22 30.63	−22 19.6	1.692	2.572	13.2	20.6
10 8	22 25.84	−23 28.4	1.773	2.563	16.5	20.8

471821 2012 XD_1 9 3.4 332.°96 9.°0/10.5 18

7 30	23 9.75	+13 9.3	1.438	2.238	20.0	20.1
8 9	23 6.95	+14 2.1	1.354	2.224	17.2	19.9
8 19	23 1.65	+14 28.2	1.286	2.210	14.1	19.7
8 29	22 54.43	+14 23.4	1.238	2.198	11.0	19.5
9 8	22 46.29	+13 47.9	1.212	2.186	9.1	19.3
9 18	22 38.43	+12 45.6	1.209	2.175	9.8	19.3
9 28	22 32.15	+11 25.3	1.228	2.165	12.6	19.5
10 8	22 28.40	+ 9 58.4	1.269	2.156	16.0	19.7

263089 2007 TE_{39} 9 3.4 295.°57 5.°8/30.5 18

7 30	23 17.97	−17 48.4	1.297	2.188	16.6	20.2
8 9	23 13.36	−18 40.9	1.229	2.176	12.7	19.9
8 19	23 5.73	−19 37.2	1.181	2.164	8.6	19.6
8 29	22 55.88	−20 27.4	1.156	2.153	5.9	19.4
9 8	22 45.12	−21 1.6	1.155	2.141	7.5	19.5
9 18	22 35.00	−21 13.0	1.177	2.129	11.7	19.7
9 28	22 26.98	−20 58.7	1.222	2.118	16.0	19.9
10 8	22 22.01	−20 20.1	1.285	2.107	19.9	20.2

444436 2006 BF_{205} 9 3.4 291.°42 1.°5/ 1.6 18

7 30	23 9.06	− 8 22.2	2.236	3.099	11.7	21.3
8 9	23 5.45	− 9 22.4	2.154	3.090	8.7	21.1
8 19	23 0.20	−10 32.4	2.096	3.080	5.3	20.9
8 29	22 53.80	−11 47.1	2.065	3.071	2.0	20.7
9 8	22 46.92	−13 0.6	2.062	3.061	2.9	20.7
9 18	22 40.32	−14 6.9	2.087	3.052	6.4	20.9
9 28	22 34.74	−15 1.0	2.138	3.042	9.7	21.1
10 8	22 30.78	−15 39.8	2.213	3.033	12.6	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
12825	1997 AJ_7		9 3.4	152.°51	0.°7/ 4.0	18 R
	h m	° ′			°	m
7 30	23 16.65	− 2 53.0	1.817	2.660	14.8	19.7
8 9	23 11.34	− 3 19.7	1.747	2.668	11.3	19.5
8 19	23 3.95	− 4 0.4	1.699	2.675	7.2	19.3
8 29	22 55.14	− 4 51.3	1.677	2.681	2.9	19.1
9 8	22 45.83	− 5 46.5	1.682	2.687	1.9	19.0
9 18	22 37.02	− 6 40.0	1.715	2.692	6.3	19.3
9 28	22 29.66	− 7 26.0	1.775	2.697	10.3	19.6
10 8	22 24.45	− 8 0.4	1.858	2.701	13.8	19.8
60452	2000 CV_{96}		9 3.4	273.°78	2.°4/ 5.5	18
7 30	23 13.44	+ 1 50.5	1.699	2.535	16.0	20.2
8 9	23 9.45	+ 1 26.5	1.598	2.510	12.7	20.0
8 19	23 3.12	+ 0 41.5	1.517	2.485	8.7	19.7
8 29	22 54.97	− 0 22.5	1.460	2.459	4.4	19.4
9 8	22 45.87	− 1 40.4	1.429	2.433	2.7	19.2
9 18	22 36.92	− 3 4.7	1.425	2.406	6.8	19.4
9 28	22 29.28	− 4 26.5	1.447	2.379	11.4	19.6
10 8	22 23.89	− 5 37.9	1.492	2.351	15.6	19.8
167283	2003 UH_{170}		9 3.4	180.°82	4.°9/29.7	18
7 30	23 17.52	−20 34.7	2.146	3.015	11.9	20.2
8 9	23 11.79	−21 22.7	2.082	3.016	9.0	20.0
8 19	23 4.13	−22 9.8	2.042	3.016	6.3	19.8
8 29	22 55.18	−22 49.6	2.028	3.016	4.9	19.7
9 8	22 45.81	−23 16.5	2.043	3.016	6.0	19.8
9 18	22 36.94	−23 27.1	2.084	3.015	8.6	20.0
9 28	22 29.44	−23 19.6	2.151	3.014	11.5	20.2
10 8	22 23.93	−22 55.0	2.239	3.013	14.0	20.3
45485	2000 AS_{236}		9 3.4	309.°00	6.°1/ 7.8	18
7 30	23 15.20	+ 7 4.7	1.733	2.541	16.9	17.5
8 9	23 10.67	+ 7 55.9	1.641	2.526	14.0	17.3
8 19	23 3.82	+ 8 29.3	1.570	2.511	10.7	17.1
8 29	22 55.20	+ 8 43.0	1.521	2.497	7.6	16.8
9 8	22 45.73	+ 8 37.4	1.497	2.483	6.1	16.7
9 18	22 36.49	+ 8 15.5	1.499	2.469	7.7	16.8
9 28	22 28.64	+ 7 42.8	1.526	2.456	11.0	17.0
10 8	22 23.05	+ 7 6.4	1.575	2.443	14.5	17.1
135586	2002 GN_{104}		9 3.4	110.°65	2.°3/ 1.4	18
7 30	23 14.66	− 8 32.7	1.450	2.326	16.1	20.0
8 9	23 10.30	− 9 42.5	1.391	2.333	12.0	19.8
8 19	23 3.50	−11 5.4	1.354	2.340	7.3	19.5
8 29	22 55.02	−12 33.3	1.341	2.347	2.9	19.3
9 8	22 45.97	−13 56.3	1.355	2.354	4.1	19.4
9 18	22 37.57	−15 5.7	1.394	2.361	8.7	19.7
9 28	22 30.93	−15 55.4	1.457	2.367	13.0	20.0
10 8	22 26.79	−16 23.0	1.541	2.373	16.6	20.2
94013	2000 XP_{28}		9 3.4	279.°89	8.°3/27.5	18
7 30	23 19.81	−27 33.8	1.730	2.605	13.9	19.0
8 9	23 14.12	−28 34.9	1.668	2.596	11.3	18.8
8 19	23 5.88	−29 29.3	1.628	2.587	9.0	18.6
8 29	22 55.87	−30 7.9	1.612	2.578	8.3	18.6
9 8	22 45.26	−30 23.3	1.621	2.569	9.6	18.6
9 18	22 35.31	−30 11.9	1.655	2.560	12.2	18.8
9 28	22 27.19	−29 33.7	1.711	2.551	15.0	18.9
10 8	22 21.68	−28 32.2	1.786	2.542	17.6	19.1
340533	2006 JM_{51}		9 3.4	247.°07	2.°4/ 6.0	18
7 30	23 11.34	+ 3 28.7	2.030	2.851	14.3	21.3
8 9	23 7.36	+ 2 54.2	1.936	2.839	11.3	21.1
8 19	23 1.53	+ 2 0.6	1.865	2.827	7.8	20.9
8 29	22 54.33	+ 0 50.1	1.818	2.814	4.2	20.6
9 8	22 46.52	− 0 32.2	1.799	2.801	2.6	20.5
9 18	22 38.97	− 1 59.8	1.808	2.788	5.7	20.7
9 28	22 32.54	− 3 25.0	1.845	2.775	9.4	20.9
10 8	22 27.94	− 4 41.3	1.905	2.761	12.9	21.1
254348	2004 TF_{27}		9 3.4	188.°62	0.°7/ 2.5	18
7 30	23 12.18	− 8 8.0	2.658	3.507	10.5	21.0
8 9	23 7.45	− 8 35.7	2.579	3.506	7.8	20.8
8 19	23 1.29	− 9 10.0	2.525	3.505	4.8	20.6
8 29	22 54.17	− 9 47.7	2.498	3.504	1.7	20.4
9 8	22 46.70	−10 24.9	2.500	3.502	2.0	20.4
9 18	22 39.51	−10 57.9	2.531	3.500	5.1	20.7
9 28	22 33.26	−11 23.5	2.590	3.498	8.1	20.9
10 8	22 28.44	−11 39.5	2.674	3.495	10.7	21.0
331146	2010 WJ_{36}		9 3.4	184.°62	2.°3/ 5.5	17
7 30	23 15.43	+ 1 31.7	1.822	2.651	15.3	21.7
8 9	23 10.53	+ 1 12.5	1.743	2.652	12.0	21.5
8 19	23 3.53	+ 0 35.6	1.686	2.652	8.2	21.2
8 29	22 55.04	− 0 16.6	1.653	2.651	4.1	21.0
9 8	22 45.95	− 1 18.9	1.647	2.650	2.6	20.9
9 18	22 37.28	− 2 24.8	1.669	2.648	6.1	21.1
9 28	22 29.99	− 3 27.5	1.717	2.646	10.1	21.3
10 8	22 24.81	− 4 21.0	1.789	2.643	13.7	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
257601	1999 RH_{85}		9 3.4	335.°21	0.°2/ 3.2	18
	h m	° ′			°	m
7 30	23 5.49	− 4 48.6	0.991	1.893	19.5	19.9
8 9	23 4.50	− 5 16.0	0.917	1.871	15.0	19.5
8 19	23 0.50	− 6 6.2	0.860	1.850	9.6	19.1
8 29	22 54.14	− 7 14.2	0.823	1.830	3.4	18.7
9 8	22 46.64	− 8 29.9	0.807	1.812	3.2	18.6
9 18	22 39.57	− 9 41.4	0.812	1.796	9.7	19.0
9 28	22 34.55	−10 37.0	0.837	1.782	15.7	19.2
10 8	22 32.71	−11 9.3	0.880	1.770	20.9	19.5
86232	1999 TG_{111}		9 3.4	273.°12	2.°9/ 6.3	18
7 30	23 12.41	+ 2 44.3	2.280	3.095	13.1	18.8
8 9	23 7.95	+ 2 51.3	2.187	3.084	10.4	18.6
8 19	23 1.79	+ 2 44.5	2.116	3.074	7.4	18.4
8 29	22 54.40	+ 2 24.9	2.071	3.063	4.3	18.2
9 8	22 46.48	+ 1 55.0	2.053	3.052	3.0	18.1
9 18	22 38.81	+ 1 18.7	2.063	3.041	5.3	18.2
9 28	22 32.15	+ 0 40.5	2.101	3.030	8.5	18.4
10 8	22 27.16	+ 0 5.3	2.163	3.019	11.6	18.6
378250	2007 DW_9		9 3.4	274.°23	8.°4/25.8	18
7 30	23 13.86	−23 32.4	1.565	2.455	14.3	20.6
8 9	23 9.95	−25 32.6	1.504	2.444	11.3	20.4
8 19	23 3.46	−27 32.9	1.465	2.433	9.0	20.3
8 29	22 55.08	−29 21.2	1.451	2.422	8.5	20.2
9 8	22 45.91	−30 46.1	1.462	2.410	10.4	20.3
9 18	22 37.23	−31 40.2	1.496	2.399	13.4	20.5
9 28	22 30.27	−32 0.7	1.551	2.387	16.5	20.6
10 8	22 25.92	−31 49.8	1.624	2.376	19.3	20.8
8384	1992 YB		9 3.4	308.°05	1.°5/ 2.1	18
7 30	23 11.20	− 6 29.9	1.359	2.239	16.7	17.8
8 9	23 8.05	− 7 31.1	1.284	2.228	12.6	17.5
8 19	23 2.33	− 8 50.2	1.230	2.217	7.8	17.2
8 29	22 54.69	−10 20.1	1.200	2.206	2.8	16.9
9 8	22 46.23	−11 50.6	1.194	2.196	3.6	16.9
9 18	22 38.21	−13 11.5	1.213	2.186	8.8	17.2
9 28	22 31.90	−14 14.1	1.256	2.177	13.7	17.5
10 8	22 28.20	−14 53.7	1.318	2.167	17.9	17.7
351084	2003 UT_{106}		9 3.4	284.°08	7.°3/10.2	18
7 30	23 12.29	+13 22.3	1.901	2.672	16.8	20.8
8 9	23 8.34	+13 53.5	1.804	2.657	14.4	20.6
8 19	23 2.29	+14 2.1	1.726	2.641	11.6	20.4
8 29	22 54.65	+13 45.9	1.671	2.626	9.0	20.2
9 8	22 46.25	+13 5.5	1.639	2.611	7.4	20.1
9 18	22 38.04	+12 4.6	1.633	2.595	8.1	20.1
9 28	22 31.05	+10 50.0	1.652	2.580	10.5	20.2
10 8	22 26.10	+ 9 30.4	1.695	2.564	13.6	20.4
118157	5157 $T\text{-}_3$		9 3.4	304.°01	1.°3/ 2.1	18
7 30	23 9.59	− 5 38.5	1.697	2.565	14.5	19.7
8 9	23 6.35	− 6 53.1	1.618	2.556	10.9	19.5
8 19	23 1.02	− 8 24.1	1.562	2.547	6.7	19.2
8 29	22 54.17	−10 4.9	1.531	2.538	2.3	18.9
9 8	22 46.69	−11 46.6	1.527	2.529	3.1	18.9
9 18	22 39.56	−13 20.1	1.550	2.521	7.6	19.2
9 28	22 33.78	−14 37.5	1.599	2.512	11.8	19.4
10 8	22 30.09	−15 34.4	1.669	2.504	15.4	19.7
64020	2001 SN_{152}		9 3.4	16.°23	0.°4/ 3.7	17
7 30	23 12.10	− 4 59.2	1.118	2.004	19.0	18.8
8 9	23 8.88	− 5 6.5	1.065	2.009	14.5	18.6
8 19	23 2.84	− 5 30.7	1.030	2.016	9.2	18.3
8 29	22 54.84	− 6 6.9	1.017	2.024	3.4	18.0
9 8	22 46.22	− 6 47.5	1.027	2.033	2.6	18.0
9 18	22 38.41	− 7 24.4	1.060	2.043	8.2	18.4
9 28	22 32.68	− 7 50.9	1.116	2.054	13.3	18.7
10 8	22 29.83	− 8 2.4	1.190	2.066	17.6	19.0
113663	2002 TD_{88}		9 3.4	168.°54	2.°8/31.8	18
7 30	23 14.43	−10 35.1	1.644	2.518	14.6	19.9
8 9	23 9.97	−11 45.0	1.579	2.520	10.9	19.7
8 19	23 3.25	−13 5.1	1.536	2.522	6.7	19.4
8 29	22 54.96	−14 27.9	1.519	2.523	3.1	19.2
9 8	22 46.10	−15 44.5	1.528	2.524	4.5	19.3
9 18	22 37.76	−16 47.4	1.564	2.525	8.5	19.6
9 28	22 30.97	−17 31.2	1.625	2.525	12.5	19.8
10 8	22 26.48	−17 54.0	1.706	2.526	15.8	20.0
10110	1992 LJ		9 3.4	78.°01	0.°8/ 2.7	18
7 30	23 14.34	− 5 42.1	1.546	2.412	15.8	17.7
8 9	23 9.82	− 6 32.5	1.492	2.427	11.8	17.5
8 19	23 3.08	− 7 36.6	1.460	2.443	7.3	17.3
8 29	22 54.87	− 8 48.1	1.452	2.458	2.5	17.0
9 8	22 46.23	− 9 59.0	1.470	2.474	2.7	17.1
9 18	22 38.26	−11 1.6	1.516	2.489	7.3	17.4
9 28	22 31.95	−11 50.1	1.586	2.505	11.5	17.7
10 8	22 27.94	−12 21.3	1.678	2.520	15.0	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
384450	2010 AX_{68}		9 3.4	241.°49	4.°0/30.7	18
	h m	° ′			°	m
7 30	23 15.57	−15 31.6	1.853	2.727	13.2	21.4
8 9	23 10.72	−16 29.8	1.778	2.718	9.9	21.2
8 19	23 3.71	−17 32.8	1.726	2.708	6.5	20.9
8 29	22 55.14	−18 33.8	1.699	2.698	4.1	20.8
9 8	22 45.95	−19 25.3	1.700	2.687	5.4	20.8
9 18	22 37.17	−20 1.4	1.728	2.677	8.8	21.0
9 28	22 29.81	−20 18.6	1.780	2.666	12.4	21.2
10 8	22 24.62	−20 16.2	1.854	2.654	15.5	21.4
199562	2006 EO_{41}		9 3.4	100.°78	1.°5/ 4.8	18
7 30	23 15.08	− 1 31.3	1.816	2.657	14.9	20.4
8 9	23 10.17	− 1 40.2	1.748	2.666	11.4	20.2
8 19	23 3.24	− 2 3.2	1.702	2.674	7.5	20.0
8 29	22 54.93	− 2 37.5	1.680	2.682	3.4	19.8
9 8	22 46.17	− 3 18.5	1.686	2.690	2.1	19.7
9 18	22 37.90	− 4 0.6	1.719	2.698	6.0	20.0
9 28	22 31.05	− 4 38.4	1.778	2.706	9.9	20.3
10 8	22 26.29	− 5 7.6	1.861	2.714	13.3	20.5
100583	1997 JY_9		9 3.4	183.°45	0.°5/ 3.9	18
7 30	23 13.86	− 1 48.0	1.882	2.725	14.4	20.7
8 9	23 9.30	− 2 41.8	1.805	2.725	11.0	20.4
8 19	23 2.74	− 3 52.1	1.750	2.726	7.0	20.2
8 29	22 54.78	− 5 14.3	1.720	2.725	2.7	19.9
9 8	22 46.27	− 6 41.4	1.719	2.724	1.9	19.9
9 18	22 38.15	− 8 5.8	1.746	2.722	6.3	20.2
9 28	22 31.34	− 9 20.5	1.800	2.720	10.3	20.4
10 8	22 26.54	−10 20.4	1.878	2.717	13.8	20.6
228526	2001 UC_{83}		9 3.4	301.°48	1.°5/ 2.2	18
7 30	23 12.24	− 7 44.0	1.481	2.358	15.7	20.3
8 9	23 8.78	− 8 28.3	1.395	2.337	11.9	20.0
8 19	23 2.80	− 9 27.4	1.330	2.316	7.4	19.7
8 29	22 54.91	−10 35.5	1.289	2.296	2.7	19.3
9 8	22 46.11	−11 44.2	1.273	2.275	3.5	19.3
9 18	22 37.61	−12 45.0	1.282	2.255	8.5	19.6
9 28	22 30.67	−13 30.4	1.315	2.235	13.3	19.8
10 8	22 26.23	−13 56.2	1.369	2.216	17.5	20.0
223196	2003 BX_{19}		9 3.4	264.°18	2.°4/ 1.5	18
7 30	23 16.64	−11 24.5	1.703	2.573	14.4	20.6
8 9	23 11.76	−12 0.4	1.619	2.558	10.8	20.4
8 19	23 4.49	−12 44.7	1.558	2.542	6.8	20.1
8 29	22 55.47	−13 31.5	1.521	2.526	2.9	19.8
9 8	22 45.67	−14 14.0	1.512	2.510	4.0	19.9
9 18	22 36.23	−14 45.9	1.528	2.493	8.2	20.1
9 28	22 28.30	−15 2.7	1.570	2.477	12.4	20.3
10 8	22 22.72	−15 2.4	1.633	2.460	16.1	20.5
25178	Shreebose		9 3.4	37.°93	2.°8/ 1.4	17
7 30	23 13.39	− 9 46.1	1.126	2.021	18.3	18.0
8 9	23 9.71	−10 42.1	1.085	2.036	13.6	17.8
8 19	23 3.24	−11 50.2	1.063	2.053	8.3	17.6
8 29	22 54.95	−13 1.0	1.064	2.070	3.4	17.3
9 8	22 46.21	−14 4.1	1.088	2.088	4.7	17.5
9 18	22 38.42	−14 50.9	1.136	2.107	9.6	17.8
9 28	22 32.78	−15 16.6	1.205	2.126	14.2	18.1
10 8	22 29.97	−15 19.9	1.294	2.146	18.0	18.5
265175	2003 YR		9 3.4	341.°29	10.°0/ 9.9	17
7 30	23 18.61	+15 11.0	1.891	2.640	17.6	19.6
8 9	23 13.24	+17 2.0	1.801	2.629	15.5	19.4
8 19	23 5.49	+18 35.2	1.731	2.618	13.1	19.2
8 29	22 55.87	+19 45.2	1.683	2.608	11.1	19.1
9 8	22 45.29	+20 28.9	1.659	2.599	10.0	19.0
9 18	22 34.86	+20 45.8	1.660	2.591	10.5	19.0
9 28	22 25.76	+20 39.5	1.686	2.583	12.3	19.1
10 8	22 18.91	+20 17.0	1.733	2.576	14.6	19.3
353243	2010 CZ_{123}		9 3.4	73.°14	6.°6/27.9	17
7 30	23 14.53	−21 34.6	1.717	2.601	13.5	20.0
8 9	23 9.87	−23 8.9	1.678	2.618	10.4	19.9
8 19	23 3.06	−24 41.1	1.662	2.635	7.6	19.8
8 29	22 54.85	−26 1.7	1.671	2.651	6.6	19.7
9 8	22 46.28	−27 2.6	1.706	2.668	8.1	19.9
9 18	22 38.40	−27 39.2	1.767	2.684	10.8	20.1
9 28	22 32.16	−27 50.2	1.850	2.701	13.6	20.3
10 8	22 28.18	−27 37.4	1.952	2.717	16.0	20.5
450250	2003 SL_{379}		9 3.4	284.°49	0.°4/ 3.9	17
7 30	23 9.62	− 3 7.1	2.361	3.204	11.8	22.3
8 9	23 5.84	− 3 40.6	2.267	3.188	9.0	22.1
8 19	23 0.48	− 4 26.2	2.195	3.172	5.8	21.9
8 29	22 53.97	− 5 20.6	2.151	3.155	2.3	21.6
9 8	22 46.96	− 6 19.5	2.134	3.139	1.6	21.5
9 18	22 40.16	− 7 17.7	2.146	3.123	5.2	21.8
9 28	22 34.31	− 8 10.2	2.185	3.106	8.7	22.0
10 8	22 29.98	− 8 53.0	2.249	3.090	11.7	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
19838	2000 SA_{273}		9 3.4	138.°19	1.°5/ 4.6	18
	h m	° ′			°	m
7 30	23 16.85	− 1 20.2	1.531	2.380	16.8	19.2
8 9	23 11.87	− 1 37.7	1.464	2.386	13.0	19.0
8 19	23 4.49	− 2 12.6	1.417	2.392	8.5	18.7
8 29	22 55.43	− 3 1.3	1.394	2.397	3.7	18.5
9 8	22 45.77	− 3 57.6	1.398	2.402	2.3	18.4
9 18	22 36.70	− 4 54.2	1.428	2.407	6.9	18.7
9 28	22 29.33	− 5 44.1	1.483	2.412	11.4	19.0
10 8	22 24.41	− 6 22.0	1.560	2.416	15.2	19.2
255733	2006 QJ_{136}		9 3.4	24.°09	5.°5/ 8.0	18
7 30	23 10.69	+ 6 39.8	1.381	2.215	19.0	19.3
8 9	23 7.37	+ 7 0.5	1.324	2.227	15.4	19.1
8 19	23 1.70	+ 6 56.4	1.286	2.240	11.4	18.9
8 29	22 54.43	+ 6 28.2	1.269	2.255	7.5	18.7
9 8	22 46.64	+ 5 40.2	1.276	2.270	5.5	18.7
9 18	22 39.49	+ 4 39.3	1.307	2.286	7.4	18.8
9 28	22 34.05	+ 3 34.6	1.361	2.304	11.0	19.1
10 8	22 31.01	+ 2 34.4	1.438	2.322	14.7	19.3
399889	2005 WR_{48}		9 3.4	70.°34	4.°3/ 8.1	18
7 30	23 11.56	+ 7 30.3	2.216	3.011	14.0	20.6
8 9	23 7.28	+ 7 38.7	2.138	3.016	11.4	20.5
8 19	23 1.34	+ 7 30.0	2.081	3.022	8.5	20.3
8 29	22 54.27	+ 7 4.5	2.049	3.027	5.8	20.1
9 8	22 46.77	+ 6 24.9	2.043	3.033	4.3	20.0
9 18	22 39.60	+ 5 35.5	2.065	3.038	5.7	20.1
9 28	22 33.54	+ 4 41.6	2.113	3.044	8.4	20.3
10 8	22 29.15	+ 3 48.9	2.187	3.050	11.2	20.5
342831	2008 XG_{37}		9 3.4	290.°03	1.°6/ 4.8	18
7 30	23 13.44	− 1 28.7	1.735	2.582	15.2	20.8
8 9	23 9.22	− 1 37.6	1.652	2.573	11.8	20.6
8 19	23 2.83	− 2 1.7	1.590	2.564	7.8	20.3
8 29	22 54.87	− 2 38.6	1.552	2.555	3.6	20.0
9 8	22 46.24	− 3 23.5	1.541	2.546	2.2	19.9
9 18	22 37.96	− 4 10.5	1.557	2.537	6.4	20.2
9 28	22 31.06	− 4 53.3	1.598	2.528	10.6	20.4
10 8	22 26.32	− 5 26.9	1.662	2.520	14.4	20.6
477551	2010 FA_{85}		9 3.4	54.°09	3.°2/ 7.4	16
7 30	23 10.14	+10 0.2	1.605	2.413	18.0	20.1
8 9	23 6.58	+ 8 19.6	1.548	2.438	14.3	19.9
8 19	23 1.01	+ 6 8.7	1.510	2.464	10.1	19.7
8 29	22 54.14	+ 3 33.4	1.498	2.490	5.7	19.5
9 8	22 46.93	+ 0 44.6	1.514	2.516	3.2	19.4
9 18	22 40.34	− 2 4.4	1.559	2.542	6.1	19.7
9 28	22 35.25	− 4 40.9	1.633	2.568	10.1	20.0
10 8	22 32.25	− 6 55.7	1.731	2.594	13.7	20.2
64505	2001 VP_{75}		9 3.4	235.°77	0.°2/ 3.6	18
7 30	23 14.88	− 4 16.3	1.867	2.717	14.2	21.4
8 9	23 10.18	− 4 44.0	1.782	2.707	10.8	21.2
8 19	23 3.38	− 5 25.0	1.719	2.697	6.9	20.9
8 29	22 55.06	− 6 15.5	1.682	2.687	2.6	20.7
9 8	22 46.09	− 7 9.9	1.672	2.676	2.0	20.6
9 18	22 37.45	− 8 2.1	1.689	2.665	6.5	20.9
9 28	22 30.13	− 8 46.3	1.733	2.654	10.6	21.1
10 8	22 24.88	− 9 18.2	1.800	2.642	14.2	21.3
106882	2000 YY_{36}		9 3.4	223.°02	2.°1/ 1.5	18
7 30	23 14.95	− 8 44.1	1.629	2.498	14.9	19.7
8 9	23 10.49	− 9 47.2	1.554	2.492	11.2	19.4
8 19	23 3.69	−11 3.0	1.501	2.486	6.9	19.2
8 29	22 55.19	−12 24.7	1.473	2.479	2.8	18.9
9 8	22 46.00	−13 43.5	1.473	2.472	3.9	19.0
9 18	22 37.24	−14 51.2	1.498	2.464	8.3	19.2
9 28	22 30.02	−15 41.6	1.549	2.456	12.5	19.4
10 8	22 25.15	−16 11.6	1.621	2.448	16.2	19.7
128878	2004 SR_{54}		9 3.4	280.°64	2.°0/ 5.9	18
7 30	23 8.57	+ 2 59.2	2.307	3.128	12.8	19.8
8 9	23 5.07	+ 2 19.4	2.216	3.119	10.1	19.6
8 19	23 0.00	+ 1 22.9	2.147	3.110	6.9	19.4
8 29	22 53.81	+ 0 12.2	2.104	3.101	3.6	19.2
9 8	22 47.16	− 1 8.0	2.089	3.092	2.2	19.1
9 18	22 40.75	− 2 32.0	2.103	3.083	5.0	19.3
9 28	22 35.31	− 3 53.2	2.144	3.074	8.4	19.5
10 8	22 31.40	− 5 6.1	2.211	3.065	11.4	19.7
342368	2008 UJ_2		9 3.4	34.°19	2.°8/ 5.4	16
7 30	23 14.83	− 0 17.7	1.296	2.156	18.6	20.2
8 9	23 10.53	− 0 2.6	1.245	2.170	14.5	20.0
8 19	23 3.69	− 0 6.4	1.212	2.186	9.8	19.8
8 29	22 55.14	− 0 26.7	1.202	2.202	4.9	19.5
9 8	22 46.11	− 0 58.3	1.216	2.219	3.2	19.5
9 18	22 37.87	− 1 34.5	1.254	2.237	7.2	19.8
9 28	22 31.56	− 2 8.2	1.316	2.255	11.7	20.1
10 8	22 27.88	− 2 33.9	1.400	2.274	15.6	20.4

150644 2001 DR_{27} 9 3.4 143.°56 2.°4/ 1.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 18.44	−11 4.8	1.777	2.641	14.1	20.8
8 9	23 12.73	−11 51.0	1.716	2.651	10.5	20.6
8 19	23 4.86	−12 44.6	1.677	2.661	6.5	20.3
8 29	22 55.54	−13 39.3	1.665	2.670	2.8	20.1
9 8	22 45.77	−14 28.5	1.680	2.678	3.8	20.2
9 18	22 36.59	−15 6.3	1.723	2.686	7.7	20.5
9 28	22 29.00	−15 29.1	1.791	2.693	11.4	20.7
10 8	22 23.66	−15 35.4	1.882	2.699	14.7	21.0

193300 2000 SO_{275} 9 3.4 299.°60 7.°6/28.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.76	−23 24.5	1.570	2.455	14.5	19.2
8 9	23 12.24	−24 33.9	1.492	2.432	11.5	19.0
8 19	23 5.01	−25 42.4	1.436	2.408	8.7	18.8
8 29	22 55.73	−26 40.0	1.405	2.385	7.6	18.7
9 8	22 45.54	−27 17.3	1.397	2.361	9.3	18.7
9 18	22 35.77	−27 27.9	1.414	2.338	12.5	18.8
9 28	22 27.77	−27 9.7	1.453	2.315	16.0	19.0
10 8	22 22.48	−26 24.8	1.509	2.292	19.2	19.2

41827 2000 WN_{49} 9 3.4 281.°55 4.°9/29.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 11.56	−15 24.5	1.754	2.638	13.3	18.1
8 9	23 7.94	−17 4.4	1.676	2.621	10.0	17.9
8 19	23 2.12	−18 52.9	1.620	2.603	6.7	17.6
8 29	22 54.66	−20 40.8	1.591	2.586	4.9	17.5
9 8	22 46.44	−22 18.0	1.589	2.568	6.7	17.6
9 18	22 38.53	−23 36.0	1.612	2.550	10.2	17.7
9 28	22 31.98	−24 29.2	1.660	2.533	13.8	17.9
10 8	22 27.62	−24 56.0	1.727	2.515	17.0	18.1

101587 1999 BE_{12} 9 3.4 258.°38 3.°0/ 1.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 18.05	−13 17.8	1.819	2.686	13.7	20.3
8 9	23 12.74	−13 53.9	1.731	2.668	10.3	20.1
8 19	23 5.09	−14 36.2	1.666	2.649	6.6	19.8
8 29	22 55.71	−15 18.8	1.627	2.630	3.3	19.6
9 8	22 45.56	−15 55.2	1.616	2.611	4.4	19.6
9 18	22 35.73	−16 19.7	1.631	2.591	8.3	19.8
9 28	22 27.35	−16 28.4	1.672	2.570	12.3	20.0
10 8	22 21.24	−16 20.0	1.735	2.550	15.8	20.2

269709 1998 DF_{23} 9 3.4 63.°58 0.°9/ 2.6 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 13.89	− 6 14.8	1.527	2.396	15.8	20.7
8 9	23 9.49	− 7 4.1	1.477	2.414	11.8	20.5
8 19	23 2.89	− 8 6.4	1.448	2.432	7.2	20.3
8 29	22 54.83	− 9 15.2	1.443	2.450	2.5	20.0
9 8	22 46.39	−10 22.7	1.465	2.468	2.8	20.1
9 18	22 38.64	−11 21.4	1.512	2.486	7.4	20.4
9 28	22 32.55	−12 5.8	1.585	2.504	11.5	20.7
10 8	22 28.76	−12 32.9	1.679	2.522	15.0	21.0

310709 2002 LT_{64} 9 3.4 65.°22 2.°1/ 5.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 13.11	+ 1 19.9	1.348	2.202	18.3	20.7
8 9	23 9.28	+ 0 45.1	1.289	2.212	14.3	20.5
8 19	23 2.95	− 0 12.8	1.248	2.222	9.5	20.2
8 29	22 54.91	− 1 29.4	1.230	2.232	4.5	20.0
9 8	22 46.30	− 2 56.5	1.237	2.242	2.6	19.9
9 18	22 38.34	− 4 24.1	1.270	2.252	7.2	20.2
9 28	22 32.18	− 5 42.8	1.327	2.263	11.9	20.5
10 8	22 28.56	− 6 45.5	1.405	2.273	15.9	20.8

85677 1998 RU_2 9 3.4 233.°90 0.°0/ 3.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 15.81	− 4 47.1	1.785	2.637	14.6	20.8
8 9	23 10.98	− 5 14.0	1.701	2.627	11.2	20.5
8 19	23 3.94	− 5 54.3	1.639	2.618	7.1	20.3
8 29	22 55.30	− 6 43.9	1.602	2.607	2.6	20.0
9 8	22 45.95	− 7 37.0	1.592	2.597	2.1	19.9
9 18	22 36.97	− 8 27.2	1.610	2.586	6.7	20.2
9 28	22 29.37	− 9 8.8	1.654	2.574	11.0	20.4
10 8	22 23.96	− 9 37.4	1.720	2.562	14.7	20.6

37299 2001 CN_{21} 9 3.4 271.°32 3.°2/ 9.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 8.69	+10 1.3	4.482	5.228	8.2	18.8
8 9	23 4.40	+10 23.9	4.379	5.220	6.8	18.7
8 19	22 59.25	+10 37.6	4.301	5.213	5.3	18.6
8 29	22 53.50	+10 42.3	4.249	5.205	4.0	18.5
9 8	22 47.50	+10 38.7	4.226	5.197	3.3	18.4
9 18	22 41.60	+10 28.1	4.232	5.190	3.7	18.5
9 28	22 36.19	+10 12.3	4.267	5.182	5.0	18.5
10 8	22 31.59	+ 9 53.7	4.330	5.174	6.5	18.6

434356 2004 RK_{245} 9 3.4 5.°11 0.°0/ 3.3 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 10.60	− 2 40.4	1.550	2.413	15.9	21.1
8 9	23 7.22	− 3 38.9	1.480	2.412	12.1	20.9
8 19	23 1.62	− 4 56.0	1.431	2.413	7.6	20.6
8 29	22 54.46	− 6 26.2	1.407	2.413	2.8	20.3
9 8	22 46.69	− 8 0.6	1.409	2.414	2.3	20.3
9 18	22 39.40	− 9 30.1	1.437	2.414	7.2	20.6
9 28	22 33.61	−10 46.4	1.490	2.415	11.6	20.9
10 8	22 30.07	−11 43.9	1.565	2.417	15.4	21.1

345909 2007 RS_{151} 9 3.4 304.°51 3.°3/ 6.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 10.61	+ 3 28.8	1.674	2.509	16.2	21.2
8 9	23 7.25	+ 3 17.6	1.584	2.493	13.0	20.9
8 19	23 1.71	+ 2 45.6	1.513	2.477	9.2	20.7
8 29	22 54.53	+ 1 54.0	1.466	2.461	5.2	20.4
9 8	22 46.59	+ 0 47.4	1.444	2.446	3.4	20.3
9 18	22 38.92	− 0 27.3	1.448	2.430	6.5	20.4
9 28	22 32.59	− 1 41.9	1.478	2.415	10.8	20.6
10 8	22 28.41	− 2 48.7	1.530	2.401	14.7	20.8

512041 2015 MS_{76} 9 3.4 182.°29 4.°0/ 8.0 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 14.13	+ 7 51.8	2.496	3.276	13.0	22.2
8 9	23 9.09	+ 7 51.9	2.407	3.277	10.6	22.1
8 19	23 2.45	+ 7 35.9	2.341	3.277	7.9	21.9
8 29	22 54.71	+ 7 4.2	2.300	3.277	5.3	21.7
9 8	22 46.51	+ 6 19.5	2.286	3.276	4.0	21.6
9 18	22 38.59	+ 5 25.5	2.302	3.274	5.3	21.7
9 28	22 31.67	+ 4 27.4	2.346	3.272	7.9	21.9
10 8	22 26.31	+ 3 30.5	2.416	3.269	10.6	22.1

184925 2005 UF_{511} 9 3.4 7.°20 2.°0/ 5.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 9.38	+ 1 49.2	2.017	2.850	13.9	20.2
8 9	23 5.82	+ 1 16.8	1.939	2.850	10.9	20.0
8 19	23 0.53	+ 0 27.4	1.883	2.850	7.4	19.8
8 29	22 54.04	− 0 36.1	1.852	2.851	3.7	19.6
9 8	22 47.08	− 1 48.6	1.848	2.852	2.2	19.5
9 18	22 40.47	− 3 3.6	1.872	2.853	5.4	19.7
9 28	22 34.99	− 4 14.8	1.923	2.854	9.0	19.9
10 8	22 31.27	− 5 16.4	1.997	2.855	12.3	20.1

273539 2007 BK_{42} 9 3.4 193.°15 0.°1/ 3.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 15.02	− 3 58.6	1.924	2.771	13.9	21.6
8 9	23 10.16	− 4 35.3	1.846	2.770	10.6	21.4
8 19	23 3.31	− 5 25.3	1.790	2.768	6.7	21.2
8 29	22 55.05	− 6 24.5	1.760	2.765	2.5	20.9
9 8	22 46.24	− 7 27.0	1.758	2.762	2.0	20.9
9 18	22 37.81	− 8 26.5	1.784	2.759	6.3	21.1
9 28	22 30.69	− 9 17.2	1.836	2.755	10.2	21.4
10 8	22 25.56	− 9 55.1	1.912	2.750	13.6	21.6

400482 2008 HV_1 9 3.4 110.°00 1.°4/ 1.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 10.97	− 8 40.0	2.324	3.182	11.4	21.4
8 9	23 6.73	− 9 33.6	2.258	3.191	8.5	21.3
8 19	23 0.96	−10 35.0	2.217	3.200	5.2	21.1
8 29	22 54.15	−11 39.5	2.203	3.209	2.0	20.9
9 8	22 47.01	−12 41.7	2.217	3.217	2.7	21.0
9 18	22 40.24	−13 36.4	2.260	3.226	5.9	21.2
9 28	22 34.53	−14 19.8	2.330	3.234	9.0	21.4
10 8	22 30.40	−14 49.5	2.424	3.242	11.7	21.6

36688 2000 RU_4 9 3.4 311.°14 0.°5/ 4.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 11.46	− 3 23.4	2.067	2.914	13.1	19.7
8 9	23 7.35	− 3 49.4	1.989	2.912	10.0	19.5
8 19	23 1.48	− 4 27.7	1.933	2.910	6.4	19.2
8 29	22 54.39	− 5 14.9	1.904	2.908	2.5	19.0
9 8	22 46.82	− 6 6.1	1.901	2.906	1.7	18.9
9 18	22 39.59	− 6 56.0	1.927	2.905	5.6	19.2
9 28	22 33.53	− 7 39.6	1.979	2.903	9.3	19.4
10 8	22 29.23	− 8 12.9	2.055	2.901	12.5	19.6

371336 2006 KD_1 9 3.4 247.°75 1.°2/ 5.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.67	+ 1 48.5	3.292	4.083	10.0	23.7
8 9	23 10.78	+ 0 59.0	3.164	4.053	7.8	23.5
8 19	23 3.48	− 0 3.5	3.062	4.021	5.3	23.3
8 29	22 55.11	− 1 16.7	2.990	3.988	2.6	23.1
9 8	22 46.18	− 2 37.3	2.951	3.954	1.5	22.9
9 18	22 37.29	− 4 0.7	2.944	3.918	4.2	23.1
9 28	22 29.06	− 5 22.1	2.969	3.881	7.0	23.2
10 8	22 22.02	− 6 37.2	3.023	3.842	9.6	23.4

296537 2009 OK_{19} 9 3.5 326.°84 2.°2/ 5.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 13.81	− 0 28.0	2.119	2.950	13.4	20.4
8 9	23 9.10	− 0 15.7	2.036	2.946	10.5	20.2
8 19	23 2.58	− 0 15.5	1.976	2.942	7.1	19.9
8 29	22 54.79	− 0 25.9	1.940	2.939	3.7	19.7
9 8	22 46.50	− 0 44.0	1.933	2.935	2.4	19.6
9 18	22 38.54	− 1 6.4	1.953	2.932	5.4	19.8
9 28	22 31.73	− 1 28.5	2.000	2.929	8.9	20.0
10 8	22 26.72	− 1 46.6	2.071	2.926	12.1	20.2

233670 2008 RW_{35} 9 3.5 177.°55 1.°0/ 2.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 12.61	− 9 50.0	2.655	3.508	10.4	20.6
8 9	23 7.81	−10 8.9	2.579	3.508	7.7	20.4
8 19	23 1.58	−10 32.9	2.527	3.508	4.8	20.2
8 29	22 54.39	−10 59.0	2.503	3.509	1.8	20.0
9 8	22 46.86	−11 23.4	2.507	3.509	2.1	20.1
9 18	22 39.65	−11 43.1	2.541	3.509	5.2	20.3
9 28	22 33.38	−11 55.4	2.602	3.509	8.1	20.5
10 8	22 28.57	−11 58.4	2.688	3.508	10.7	20.6

66452 1999 OF_4 9 3.5 104.°74 0.°0/ 2.9 07 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 52.56	− 8 27.5	45.328	46.171	0.7	23.6
8 9	22 51.98	− 8 31.2	45.248	46.172	0.5	23.6
8 19	22 51.35	− 8 35.3	45.194	46.174	0.3	23.6
8 29	22 50.67	− 8 39.5	45.169	46.175	0.1	23.5
9 8	22 49.98	− 8 43.8	45.173	46.177	0.1	23.5
9 18	22 49.31	− 8 48.0	45.207	46.178	0.3	23.6
9 28	22 48.66	− 8 51.8	45.269	46.180	0.5	23.6
10 8	22 48.08	− 8 55.3	45.358	46.181	0.7	23.6

101614 1999 CY_8 9 3.5 293.°68 3.°6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.54	−14 31.1	1.538	2.417	15.1	18.7
8 9	23 12.71	−15 1.2	1.458	2.401	11.5	18.4
8 19	23 5.25	−15 36.7	1.400	2.385	7.4	18.2
8 29	22 55.85	−16 10.9	1.366	2.369	3.9	17.9
9 8	22 45.61	−16 36.4	1.358	2.353	5.1	18.0
9 18	22 35.82	−16 47.5	1.376	2.337	9.3	18.2
9 28	22 27.75	−16 40.6	1.417	2.322	13.6	18.4
10 8	22 22.30	−16 15.3	1.479	2.307	17.4	18.6

181339 2006 QK_{159} 9 3.5 254.°74 1.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.13	− 1 45.2	1.717	2.562	15.4	21.2
8 9	23 10.67	− 2 13.4	1.624	2.545	11.9	20.9
8 19	23 3.90	− 2 58.9	1.552	2.527	7.8	20.6
8 29	22 55.36	− 3 58.4	1.505	2.509	3.3	20.3
9 8	22 45.99	− 5 6.1	1.485	2.490	2.1	20.2
9 18	22 36.86	− 6 14.6	1.492	2.471	6.8	20.4
9 28	22 29.11	− 7 16.5	1.525	2.451	11.4	20.7
10 8	22 23.61	− 8 5.6	1.580	2.430	15.4	20.9

406287 2007 EO_{216} 9 3.5 123.°03 0.°8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.02	+ 1 4.3	2.786	3.603	10.9	21.3
8 9	23 5.78	− 0 6.7	2.713	3.618	8.4	21.1
8 19	23 0.26	− 1 30.8	2.664	3.632	5.5	21.0
8 29	22 53.91	− 3 4.2	2.644	3.646	2.4	20.8
9 8	22 47.28	− 4 41.8	2.655	3.660	1.4	20.7
9 18	22 40.94	− 6 18.0	2.697	3.673	4.3	21.0
9 28	22 35.47	− 7 47.4	2.768	3.686	7.2	21.2
10 8	22 31.30	− 9 5.9	2.866	3.698	9.7	21.4

69145 2003 FF_{119} 9 3.5 85.°80 4.°7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.07	−20 4.3	2.103	2.974	11.9	19.8
8 9	23 10.74	−20 45.8	2.043	2.979	9.1	19.6
8 19	23 3.54	−21 26.4	2.007	2.984	6.3	19.5
8 29	22 55.12	−22 0.0	1.998	2.988	4.7	19.4
9 8	22 46.32	−22 21.6	2.016	2.993	5.8	19.5
9 18	22 38.05	−22 27.6	2.061	2.998	8.4	19.6
9 28	22 31.15	−22 16.6	2.131	3.002	11.2	19.8
10 8	22 26.20	−21 49.5	2.223	3.007	13.8	20.0

99806 2002 LN_{17} 9 3.5 332.°81 5.°3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.81	−20 42.1	2.064	2.944	11.8	18.9
8 9	23 7.71	−21 47.5	1.999	2.939	9.0	18.8
8 19	23 1.75	−22 52.9	1.958	2.934	6.5	18.6
8 29	22 54.51	−23 51.4	1.943	2.929	5.3	18.5
9 8	22 46.80	−24 36.4	1.955	2.924	6.6	18.6
9 18	22 39.50	−25 3.5	1.993	2.920	9.2	18.7
9 28	22 33.47	−25 10.4	2.054	2.916	12.0	18.9
10 8	22 29.33	−24 57.4	2.137	2.912	14.5	19.1

485036 2009 YT 9 3.5 331.°47 3.°3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.92	−15 28.6	1.912	2.788	12.8	20.5
8 9	23 9.42	−15 54.4	1.837	2.777	9.6	20.3
8 19	23 2.89	−16 23.1	1.784	2.767	6.2	20.0
8 29	22 54.94	−16 49.5	1.756	2.757	3.5	19.9
9 8	22 46.45	−17 8.2	1.756	2.748	4.5	19.9
9 18	22 38.38	−17 14.8	1.782	2.739	7.9	20.1
9 28	22 31.67	−17 7.0	1.833	2.731	11.4	20.3
10 8	22 26.98	−16 44.1	1.905	2.723	14.5	20.5

151324 2002 CG_{147} 9 3.5 88.°95 1.°3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.40	+ 0 22.6	2.283	3.112	12.6	19.8
8 9	23 6.31	− 0 18.3	2.216	3.127	9.7	19.6
8 19	23 0.71	− 1 13.0	2.172	3.141	6.4	19.5
8 29	22 54.11	− 2 18.2	2.154	3.155	2.9	19.3
9 8	22 47.18	− 3 28.9	2.165	3.170	1.7	19.2
9 18	22 40.64	− 4 39.6	2.205	3.184	4.9	19.4
9 28	22 35.15	− 5 44.8	2.272	3.197	8.2	19.7
10 8	22 31.23	− 6 40.3	2.364	3.211	11.0	19.9

474191 1999 XN_{238} 9 3.5 337.°13 5.°6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.90	+ 2 29.5	1.120	1.992	20.1	19.8
8 9	23 5.46	+ 3 18.5	1.033	1.962	16.4	19.5
8 19	23 1.17	+ 3 46.9	0.963	1.934	12.1	19.2
8 29	22 54.55	+ 3 52.5	0.912	1.907	7.6	18.8
9 8	22 46.68	+ 3 36.6	0.883	1.882	5.6	18.7
9 18	22 39.01	+ 3 4.1	0.874	1.859	8.9	18.8
9 28	22 33.14	+ 2 23.4	0.886	1.839	14.0	19.0
10 8	22 30.29	+ 1 44.5	0.917	1.821	18.9	19.2

215752 2004 FZ_2 9 3.5 85.°81 0.°6/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.28	− 7 26.8	1.510	2.375	16.1	20.2
8 9	23 12.94	− 7 41.6	1.450	2.385	12.2	20.0
8 19	23 5.17	− 8 7.3	1.411	2.394	7.6	19.8
8 29	22 55.76	− 8 39.2	1.397	2.403	2.6	19.5
9 8	22 45.83	− 9 10.9	1.408	2.412	2.6	19.5
9 18	22 36.60	− 9 36.9	1.446	2.421	7.4	19.9
9 28	22 29.16	− 9 52.6	1.509	2.430	11.8	20.1
10 8	22 24.23	− 9 55.3	1.593	2.439	15.5	20.4

89790 2002 AD_{117} 9 3.5 49.°32 1.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.85	− 1 59.3	1.947	2.786	14.1	19.0
8 9	23 9.89	− 1 50.8	1.881	2.797	10.9	18.8
8 19	23 3.06	− 1 54.2	1.836	2.807	7.2	18.6
8 29	22 54.98	− 2 7.6	1.817	2.818	3.4	18.4
9 8	22 46.49	− 2 27.3	1.826	2.829	2.1	18.3
9 18	22 38.49	− 2 49.4	1.861	2.841	5.6	18.6
9 28	22 31.82	− 3 9.5	1.924	2.852	9.2	18.8
10 8	22 27.08	− 3 23.8	2.010	2.864	12.4	19.0

23076 1999 XP_{93} 9 3.5 339.°71 7.°2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.02	−25 50.4	2.071	2.953	11.7	17.2
8 9	23 7.22	−27 28.1	2.016	2.949	9.3	17.1
8 19	23 1.50	−29 2.3	1.986	2.946	7.6	17.0
8 29	22 54.45	−30 24.5	1.981	2.942	7.3	17.0
9 8	22 46.91	−31 27.5	2.001	2.939	8.7	17.0
9 18	22 39.79	−32 6.7	2.047	2.937	10.9	17.2
9 28	22 33.96	−32 20.5	2.115	2.934	13.3	17.3
10 8	22 30.08	−32 10.2	2.202	2.932	15.4	17.5

276048 2002 CP_7 9 3.5 85.°88 3.°3/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.31	−12 8.6	1.753	2.625	13.9	20.5
8 9	23 10.31	−13 27.6	1.710	2.650	10.2	20.3
8 19	23 3.32	−14 52.8	1.690	2.674	6.4	20.2
8 29	22 55.05	−16 16.4	1.696	2.698	3.4	20.0
9 8	22 46.47	−17 30.4	1.730	2.721	4.7	20.2
9 18	22 38.57	−18 28.4	1.790	2.744	8.2	20.4
9 28	22 32.21	−19 7.0	1.876	2.767	11.6	20.7
10 8	22 27.98	−19 25.5	1.984	2.789	14.4	20.9

87930 2000 SS_{333} 9 3.5 330.°52 6.°5/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.99	−16 40.8	1.164	2.074	16.6	18.3
8 9	23 6.25	−18 1.8	1.088	2.047	12.7	18.0
8 19	23 1.60	−19 32.5	1.033	2.021	8.7	17.7
8 29	22 54.67	−21 1.6	0.999	1.996	6.5	17.5
9 8	22 46.66	−22 15.9	0.987	1.972	8.7	17.5
9 18	22 39.04	−23 4.4	0.997	1.950	13.1	17.7
9 28	22 33.34	−23 20.6	1.027	1.930	17.8	17.9
10 8	22 30.66	−23 3.9	1.073	1.911	21.9	18.1

358907 2008 GH_{96} 9 3.5 109.°54 1.°2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.55	− 8 18.2	2.301	3.158	11.6	21.8
8 9	23 7.19	− 9 6.8	2.236	3.168	8.6	21.6
8 19	23 1.28	−10 3.4	2.195	3.177	5.3	21.5
8 29	22 54.33	−11 3.4	2.181	3.187	1.9	21.2
9 8	22 47.04	−12 1.4	2.195	3.196	2.5	21.3
9 18	22 40.13	−12 52.6	2.238	3.205	5.8	21.5
9 28	22 34.31	−13 33.1	2.308	3.214	9.0	21.8
10 8	22 30.09	−14 0.3	2.402	3.223	11.7	22.0

516918 2011 UG_{258} 9 3.5 272.°87 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.07	−10 39.0	2.034	2.898	12.6	22.0
8 9	23 9.42	−11 8.4	1.954	2.889	9.5	21.8
8 19	23 2.86	−11 44.7	1.897	2.880	5.9	21.6
8 29	22 54.95	−12 23.5	1.866	2.871	2.4	21.3
9 8	22 46.50	−12 59.3	1.863	2.862	3.1	21.3
9 18	22 38.41	−13 27.5	1.887	2.853	6.8	21.6
9 28	22 31.54	−13 44.2	1.937	2.844	10.4	21.8
10 8	22 26.58	−13 47.5	2.010	2.835	13.6	22.0

374263 2005 JO_{130} 9 3.5 83.°49 1.°8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.28	− 0 24.8	1.469	2.317	17.4	21.2
8 9	23 12.12	− 0 45.7	1.417	2.338	13.4	21.0
8 19	23 4.60	− 1 25.1	1.385	2.359	8.8	20.8
8 29	22 55.55	− 2 18.6	1.377	2.379	4.0	20.5
9 8	22 46.08	− 3 19.6	1.395	2.400	2.4	20.5
9 18	22 37.38	− 4 20.4	1.440	2.420	6.8	20.8
9 28	22 30.48	− 5 13.8	1.509	2.440	11.1	21.1
10 8	22 26.06	− 5 54.8	1.601	2.459	14.8	21.4

40118 1998 QX_{22} 9 3.5 291.°83 3.°2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.30	−12 46.0	2.172	3.045	11.5	18.7
8 9	23 5.81	−14 10.7	2.093	3.034	8.6	18.5
8 19	23 0.59	−15 43.2	2.038	3.022	5.4	18.3
8 29	22 54.15	−17 17.0	2.011	3.011	3.3	18.1
9 8	22 47.19	−18 44.7	2.012	3.000	4.6	18.2
9 18	22 40.49	−19 59.6	2.041	2.988	7.7	18.4
9 28	22 34.85	−20 57.0	2.095	2.977	10.9	18.6
10 8	22 30.91	−21 34.6	2.171	2.966	13.7	18.7

282380 2003 QL_{86} 9 3.5 351.°73 6.°2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.54	+11 26.5	1.535	2.341	18.7	20.1
8 9	23 5.82	+11 19.7	1.457	2.338	15.6	19.9
8 19	23 0.87	+10 43.8	1.397	2.335	12.1	19.7
8 29	22 54.30	+ 9 38.4	1.358	2.333	8.5	19.5
9 8	22 47.07	+ 8 7.9	1.342	2.331	6.3	19.4
9 18	22 40.24	+ 6 20.3	1.352	2.330	7.5	19.4
9 28	22 34.88	+ 4 26.6	1.387	2.329	10.9	19.6
10 8	22 31.77	+ 2 37.9	1.444	2.329	14.5	19.9

184606 2005 QH_{178} 9 3.5 70.°08 2.°7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.34	+ 2 46.1	1.438	2.280	18.0	20.6
8 9	23 10.00	+ 2 18.0	1.385	2.299	14.1	20.4
8 19	23 3.33	+ 1 27.4	1.351	2.319	9.6	20.2
8 29	22 55.12	+ 0 18.4	1.340	2.338	4.9	20.0
9 8	22 46.47	− 1 1.7	1.355	2.358	2.9	19.9
9 18	22 38.53	− 2 24.0	1.395	2.377	6.7	20.2
9 28	22 32.34	− 3 39.7	1.461	2.397	11.0	20.5
10 8	22 28.55	− 4 42.2	1.549	2.416	14.8	20.8

25212 Ayushgupta 9 3.5 168.°41 1.°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.67	− 9 1.5	1.887	2.750	13.5	19.1
8 9	23 9.92	− 9 32.9	1.816	2.750	10.1	18.8
8 19	23 3.19	−10 12.9	1.768	2.751	6.2	18.6
8 29	22 55.09	−10 56.8	1.745	2.751	2.3	18.4
9 8	22 46.48	−11 38.8	1.750	2.752	2.8	18.4
9 18	22 38.32	−12 13.5	1.782	2.752	6.8	18.7
9 28	22 31.53	−12 36.9	1.840	2.752	10.6	18.9
10 8	22 26.75	−12 46.7	1.921	2.752	13.8	19.1

36936 2000 SF_{227} 9 3.5 314.°86 0.°2/ 3.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.78	− 2 40.5	1.951	2.804	13.5	17.8
8 9	23 5.55	− 3 33.9	1.867	2.794	10.3	17.5
8 19	23 0.50	− 4 43.1	1.805	2.784	6.6	17.3
8 29	22 54.14	− 6 3.6	1.769	2.774	2.4	17.0
9 8	22 47.24	− 7 28.9	1.760	2.765	1.9	17.0
9 18	22 40.62	− 8 51.7	1.779	2.756	6.1	17.2
9 28	22 35.14	−10 5.2	1.825	2.747	10.0	17.4
10 8	22 31.47	−11 4.2	1.893	2.739	13.4	17.7

438548 2007 TJ_{230} 9 3.5 232.°49 2.°6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.76	−12 13.0	1.955	2.825	12.8	21.5
8 9	23 9.23	−13 0.9	1.883	2.822	9.5	21.3
8 19	23 2.76	−13 55.5	1.835	2.819	6.0	21.0
8 29	22 54.94	−14 50.9	1.812	2.816	2.9	20.8
9 8	22 46.60	−15 40.8	1.817	2.812	4.0	20.9
9 18	22 38.68	−16 19.8	1.849	2.809	7.5	21.1
9 28	22 32.06	−16 44.0	1.907	2.806	11.0	21.3
10 8	22 27.40	−16 51.8	1.987	2.802	14.1	21.5

78543 2002 RK_{119} 9 3.5 344.°52 3.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.89	+ 1 20.3	1.454	2.308	17.2	18.3
8 9	23 6.94	+ 1 21.1	1.377	2.299	13.6	18.1
8 19	23 1.63	+ 1 1.8	1.319	2.290	9.4	17.8
8 29	22 54.61	+ 0 24.3	1.284	2.283	5.0	17.6
9 8	22 46.85	− 0 26.6	1.274	2.277	3.2	17.4
9 18	22 39.50	− 1 24.0	1.288	2.271	6.9	17.6
9 28	22 33.70	− 2 19.6	1.326	2.267	11.4	17.9
10 8	22 30.27	− 3 6.5	1.385	2.263	15.5	18.1

507880 2014 MX_{41} 9 3.5 207.°43 6.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.60	−22 52.6	2.207	3.082	11.3	21.4
8 9	23 9.12	−24 56.9	2.144	3.077	8.9	21.2
8 19	23 2.72	−27 1.5	2.108	3.072	6.9	21.1
8 29	22 54.94	−28 57.1	2.099	3.066	6.6	21.0
9 8	22 46.58	−30 35.1	2.119	3.060	8.1	21.1
9 18	22 38.52	−31 49.7	2.165	3.054	10.5	21.3
9 28	22 31.67	−32 38.0	2.235	3.047	12.9	21.4
10 8	22 26.70	−33 0.5	2.324	3.039	15.1	21.6

241359 2007 XD_1 9 3.5 23.°51 5.°2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.13	−18 2.1	1.597	2.484	14.3	19.8
8 9	23 9.84	−19 2.4	1.543	2.488	10.8	19.6
8 19	23 3.25	−20 4.5	1.511	2.492	7.3	19.4
8 29	22 55.12	−21 0.1	1.503	2.497	5.2	19.3
9 8	22 46.50	−21 41.6	1.521	2.503	6.6	19.4
9 18	22 38.52	−22 3.7	1.564	2.508	9.9	19.6
9 28	22 32.21	−22 4.1	1.630	2.514	13.3	19.8
10 8	22 28.25	−21 43.5	1.716	2.521	16.4	20.1

335512 2005 YF_{168} 9 3.5 321.°72 1.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.48	− 0 55.2	1.489	2.345	16.8	20.8
8 9	23 8.86	− 1 5.1	1.410	2.336	13.1	20.6
8 19	23 2.84	− 1 33.2	1.352	2.327	8.7	20.3
8 29	22 55.05	− 2 16.9	1.316	2.319	4.1	20.0
9 8	22 46.49	− 3 10.4	1.306	2.311	2.5	19.9
9 18	22 38.35	− 4 6.7	1.321	2.303	7.0	20.1
9 28	22 31.77	− 4 58.0	1.360	2.296	11.6	20.4
10 8	22 27.61	− 5 38.1	1.421	2.289	15.8	20.6

349919 2009 SZ_{166} 9 3.5 232.°58 1.°3/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.21	+ 0 54.2	4.506	5.313	7.2	21.4
8 9	23 1.84	+ 0 44.2	4.414	5.310	5.6	21.3
8 19	22 57.70	+ 0 27.4	4.348	5.307	3.9	21.2
8 29	22 53.04	+ 0 5.0	4.309	5.304	2.1	21.0
9 8	22 48.19	− 0 21.4	4.299	5.301	1.3	21.0
9 18	22 43.47	− 0 49.9	4.320	5.297	2.8	21.1
9 28	22 39.22	− 1 18.4	4.370	5.294	4.6	21.2
10 8	22 35.72	− 1 44.8	4.446	5.291	6.3	21.3

139127 2001 FK_{69} 9 3.5 201.°80 1.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.91	− 8 40.8	1.736	2.601	14.4	20.2
8 9	23 11.09	− 9 34.2	1.662	2.598	10.8	20.0
8 19	23 4.06	−10 38.9	1.611	2.595	6.7	19.7
8 29	22 55.44	−11 48.7	1.585	2.591	2.6	19.4
9 8	22 46.20	−12 56.0	1.586	2.587	3.4	19.5
9 18	22 37.40	−13 53.7	1.615	2.582	7.7	19.7
9 28	22 30.07	−14 36.3	1.669	2.577	11.7	20.0
10 8	22 24.98	−15 1.0	1.745	2.571	15.2	20.2

287157 2002 RD_{235} 9 3.5 279.°06 2.°2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.42	+ 1 39.3	1.904	2.737	14.6	21.4
8 9	23 7.52	+ 1 14.9	1.823	2.734	11.5	21.2
8 19	23 1.73	+ 0 33.1	1.764	2.731	7.8	21.0
8 29	22 54.59	− 0 23.6	1.730	2.729	4.0	20.7
9 8	22 46.91	− 1 30.1	1.723	2.726	2.4	20.6
9 18	22 39.57	− 2 40.1	1.743	2.724	5.8	20.8
9 28	22 33.47	− 3 46.6	1.790	2.721	9.6	21.1
10 8	22 29.28	− 4 44.0	1.860	2.719	13.0	21.3

446222 2013 GL_{60} 9 3.5 136.°87 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.31	− 6 50.4	2.274	3.126	11.9	21.8
8 9	23 7.84	− 7 18.6	2.200	3.128	8.9	21.6
8 19	23 1.75	− 7 55.4	2.150	3.130	5.6	21.4
8 29	22 54.56	− 8 37.2	2.126	3.132	1.9	21.1
9 8	22 46.97	− 9 19.4	2.131	3.134	2.0	21.2
9 18	22 39.73	− 9 57.5	2.164	3.136	5.6	21.4
9 28	22 33.58	−10 27.7	2.224	3.138	8.9	21.6
10 8	22 29.07	−10 47.3	2.308	3.140	11.8	21.8

429974 2013 BM_{26} 9 3.5 289.°80 0.°3/ 4.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.68	− 3 49.2	4.202	5.033	7.3	21.3
8 9	23 1.52	− 4 15.7	4.111	5.027	5.5	21.1
8 19	22 57.54	− 4 48.2	4.046	5.020	3.5	21.0
8 29	22 53.01	− 5 25.0	4.009	5.014	1.4	20.8
9 8	22 48.26	− 6 3.7	4.002	5.007	0.9	20.8
9 18	22 43.65	− 6 41.9	4.025	5.001	3.1	20.9
9 28	22 39.53	− 7 17.4	4.077	4.994	5.1	21.1
10 8	22 36.21	− 7 48.0	4.155	4.988	7.0	21.2

264068 2009 SQ_{148} 9 3.5 320.°34 2.°1/ 7.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.19	+ 4 39.4	3.963	4.756	8.4	20.5
8 9	23 1.96	+ 4 31.9	3.867	4.749	6.7	20.3
8 19	22 57.84	+ 4 15.2	3.795	4.741	4.8	20.2
8 29	22 53.12	+ 3 50.3	3.750	4.735	3.0	20.1
9 8	22 48.17	+ 3 18.9	3.733	4.728	2.1	20.0
9 18	22 43.34	+ 2 43.2	3.745	4.721	3.3	20.1
9 28	22 39.05	+ 2 5.8	3.786	4.714	5.1	20.2
10 8	22 35.61	+ 1 29.6	3.854	4.708	7.0	20.3

475990 2007 PD_{43} 9 3.5 24.°66 4.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.07	− 1 39.6	1.174	2.037	20.0	19.9
8 9	23 14.73	− 0 28.2	1.125	2.051	15.6	19.7
8 19	23 6.49	+ 0 27.2	1.095	2.067	10.7	19.5
8 29	22 56.31	+ 1 6.0	1.087	2.085	5.9	19.2
9 8	22 45.62	+ 1 30.1	1.103	2.104	4.3	19.2
9 18	22 35.91	+ 1 43.0	1.142	2.124	8.0	19.5
9 28	22 28.47	+ 1 50.0	1.205	2.145	12.5	19.8
10 8	22 24.04	+ 1 56.8	1.289	2.167	16.4	20.1

273846 2007 GO_{42} 9 3.5 84.°19 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.29	− 3 43.0	1.652	2.508	15.4	21.2
8 9	23 9.88	− 4 9.3	1.583	2.512	11.7	21.0
8 19	23 3.28	− 4 50.1	1.536	2.515	7.5	20.8
8 29	22 55.17	− 5 41.3	1.514	2.519	2.9	20.5
9 8	22 46.51	− 6 36.5	1.517	2.523	2.0	20.5
9 18	22 38.35	− 7 29.1	1.548	2.526	6.7	20.8
9 28	22 31.70	− 8 12.9	1.604	2.530	10.9	21.0
10 8	22 27.28	− 8 43.8	1.682	2.534	14.5	21.3

287266 2002 TF_{148} 9 3.5 312.°76 6.°5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.66	+ 9 30.4	1.658	2.465	17.5	19.6
8 9	23 7.51	+ 9 57.0	1.559	2.441	14.7	19.3
8 19	23 2.07	+10 0.7	1.479	2.417	11.5	19.1
8 29	22 54.84	+ 9 39.7	1.419	2.394	8.3	18.8
9 8	22 46.69	+ 8 55.1	1.384	2.370	6.5	18.7
9 18	22 38.68	+ 7 51.3	1.374	2.348	7.9	18.7
9 28	22 31.98	+ 6 36.2	1.388	2.326	11.3	18.8
10 8	22 27.52	+ 5 19.3	1.424	2.304	15.0	19.0

34165 Nikhilcheerla 9 3.5 42.°85 1.°2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.01	− 8 28.5	1.844	2.710	13.6	18.6
8 9	23 8.66	− 8 59.8	1.781	2.717	10.2	18.4
8 19	23 2.38	− 9 40.0	1.741	2.725	6.3	18.2
8 29	22 54.81	−10 24.3	1.726	2.732	2.2	17.9
9 8	22 46.82	−11 7.0	1.738	2.740	2.7	18.0
9 18	22 39.32	−11 42.9	1.777	2.749	6.7	18.2
9 28	22 33.20	−12 7.6	1.842	2.757	10.4	18.5
10 8	22 29.05	−12 18.9	1.929	2.766	13.6	18.7

171740 2000 WH_{115} 9 3.5 339.°79 7.°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.38	−18 58.6	1.125	2.028	17.6	18.8
8 9	23 11.78	−19 58.8	1.067	2.020	13.5	18.5
8 19	23 4.99	−21 1.6	1.028	2.012	9.4	18.3
8 29	22 55.89	−21 55.6	1.010	2.005	7.0	18.2
9 8	22 45.92	−22 29.7	1.015	1.999	8.7	18.2
9 18	22 36.75	−22 36.8	1.042	1.994	12.8	18.4
9 28	22 29.86	−22 14.6	1.090	1.990	17.2	18.7
10 8	22 26.20	−21 25.7	1.154	1.987	21.0	18.9

3047 Goethe 9 3.5 304.°87 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.94	− 4 14.0	1.757	2.612	14.7	17.0
8 9	23 9.56	− 4 33.4	1.682	2.610	11.2	16.8
8 19	23 3.08	− 5 5.9	1.629	2.607	7.2	16.6
8 29	22 55.11	− 5 47.8	1.600	2.605	2.7	16.3
9 8	22 46.57	− 6 33.7	1.598	2.603	2.0	16.2
9 18	22 38.44	− 7 17.7	1.622	2.600	6.4	16.5
9 28	22 31.72	− 7 54.1	1.673	2.598	10.6	16.8
10 8	22 27.11	− 8 19.1	1.746	2.596	14.2	17.0

149126 2002 EW_{25} 9 3.5 72.°05 0.°1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.06	− 4 47.1	2.140	2.987	12.7	20.3
8 9	23 8.36	− 5 14.8	2.084	3.008	9.6	20.1
8 19	23 2.03	− 5 52.6	2.051	3.029	6.0	19.9
8 29	22 54.66	− 6 36.7	2.044	3.050	2.2	19.7
9 8	22 47.01	− 7 22.2	2.066	3.070	1.7	19.7
9 18	22 39.84	− 8 4.4	2.115	3.091	5.4	20.0
9 28	22 33.88	− 8 39.3	2.192	3.112	8.7	20.3
10 8	22 29.64	− 9 4.0	2.293	3.132	11.6	20.5

117369 2004 XL_{121} 9 3.5 305.°51 0.°6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.42	− 6 53.4	1.722	2.584	14.6	20.0
8 9	23 9.98	− 7 17.8	1.648	2.581	11.0	19.7
8 19	23 3.37	− 7 53.3	1.595	2.578	6.9	19.5
8 29	22 55.23	− 8 35.6	1.568	2.574	2.4	19.2
9 8	22 46.50	− 9 18.8	1.567	2.571	2.4	19.2
9 18	22 38.21	− 9 56.9	1.593	2.568	6.9	19.5
9 28	22 31.37	−10 24.9	1.645	2.565	11.1	19.7
10 8	22 26.71	−10 39.6	1.718	2.562	14.6	19.9

336549 2009 CT_{33} 9 3.5 49.°20 0.°7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.95	− 3 0.8	2.727	3.564	10.6	20.7
8 9	23 5.04	− 3 21.7	2.659	3.576	8.0	20.6
8 19	22 59.88	− 3 51.6	2.615	3.588	5.2	20.4
8 29	22 53.89	− 4 28.1	2.597	3.601	2.1	20.2
9 8	22 47.63	− 5 7.5	2.609	3.614	1.3	20.2
9 18	22 41.68	− 5 46.5	2.649	3.627	4.3	20.4
9 28	22 36.60	− 6 21.3	2.717	3.640	7.1	20.6
10 8	22 32.82	− 6 49.2	2.810	3.653	9.6	20.8

322582 2012 AD_{13} 9 3.5 92.°15 3.°6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.24	−15 33.9	2.218	3.092	11.3	20.3
8 9	23 7.14	−16 42.0	2.154	3.094	8.4	20.1
8 19	23 1.37	−17 53.7	2.115	3.096	5.5	19.9
8 29	22 54.46	−19 2.9	2.102	3.099	3.7	19.8
9 8	22 47.15	−20 3.5	2.117	3.101	4.9	19.9
9 18	22 40.22	−20 50.4	2.160	3.104	7.7	20.1
9 28	22 34.41	−21 20.4	2.228	3.106	10.5	20.3
10 8	22 30.31	−21 32.8	2.318	3.108	13.1	20.5

389829 2012 DC_5 9 3.5 79.°36 0.°0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.69	− 5 20.8	1.393	2.257	17.3	21.4
8 9	23 13.31	− 5 46.1	1.344	2.277	13.0	21.2
8 19	23 5.43	− 6 25.4	1.315	2.297	8.1	21.0
8 29	22 55.92	− 7 13.2	1.311	2.317	2.9	20.7
9 8	22 46.01	− 8 2.2	1.332	2.336	2.4	20.7
9 18	22 36.95	− 8 45.4	1.379	2.356	7.5	21.1
9 28	22 29.83	− 9 17.1	1.450	2.375	11.9	21.4
10 8	22 25.32	− 9 34.3	1.543	2.394	15.7	21.7

181733 1995 TL_4 9 3.5 72.°47 1.°1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.80	− 1 56.8	1.447	2.305	17.1	20.8
8 9	23 10.52	− 2 21.2	1.383	2.311	13.1	20.6
8 19	23 3.81	− 3 3.5	1.339	2.317	8.5	20.3
8 29	22 55.40	− 3 59.7	1.319	2.323	3.6	20.1
9 8	22 46.40	− 5 2.5	1.323	2.329	2.2	20.0
9 18	22 37.99	− 6 4.1	1.354	2.335	7.1	20.3
9 28	22 31.29	− 6 57.1	1.409	2.341	11.7	20.6
10 8	22 27.08	− 7 36.1	1.486	2.347	15.6	20.9

452655 2005 UO_{364} 9 3.5 358.°43 6.°1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.09	−21 27.2	1.742	2.628	13.3	20.4
8 9	23 8.99	−22 30.6	1.685	2.627	10.2	20.2
8 19	23 2.73	−23 32.9	1.650	2.625	7.4	20.0
8 29	22 54.99	−24 26.1	1.639	2.625	6.1	19.9
9 8	22 46.75	−25 2.9	1.655	2.624	7.5	20.0
9 18	22 39.07	−25 18.7	1.695	2.625	10.3	20.2
9 28	22 32.92	−25 11.7	1.758	2.626	13.4	20.4
10 8	22 28.99	−24 43.3	1.841	2.627	16.1	20.6

251709 1997 AA_5 9 3.5 216.°27 1.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.88	− 9 8.8	1.837	2.697	13.9	21.1
8 9	23 11.79	− 9 55.2	1.757	2.690	10.4	20.8
8 19	23 4.52	−10 51.7	1.700	2.682	6.5	20.6
8 29	22 55.67	−11 52.8	1.668	2.674	2.5	20.3
9 8	22 46.17	−12 51.6	1.665	2.665	3.3	20.4
9 18	22 37.04	−13 41.6	1.689	2.655	7.5	20.6
9 28	22 29.32	−14 17.7	1.739	2.645	11.4	20.8
10 8	22 23.76	−14 37.3	1.811	2.634	14.9	21.0

157631 2005 WA_{159} 9 3.5 267.°20 2.°9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.41	−12 39.4	2.235	3.105	11.4	20.3
8 9	23 6.60	−13 52.7	2.157	3.096	8.5	20.1
8 19	23 1.10	−15 13.0	2.103	3.087	5.3	19.9
8 29	22 54.41	−16 34.5	2.076	3.077	3.0	19.7
9 8	22 47.22	−17 50.2	2.077	3.067	4.2	19.8
9 18	22 40.31	−18 54.4	2.107	3.058	7.3	20.0
9 28	22 34.45	−19 42.7	2.162	3.048	10.5	20.2
10 8	22 30.25	−20 12.9	2.240	3.038	13.2	20.3

209032 2003 HH_{51} 9 3.5 41.°85 1.°9/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.10	− 6 55.0	1.107	1.998	18.9	20.0
8 9	23 9.75	− 7 59.9	1.059	2.007	14.1	19.7
8 19	23 3.53	− 9 22.3	1.029	2.018	8.7	19.5
8 29	22 55.33	−10 52.8	1.022	2.028	3.1	19.2
9 8	22 46.54	−12 19.4	1.038	2.040	4.1	19.3
9 18	22 38.58	−13 31.4	1.077	2.052	9.5	19.6
9 28	22 32.76	−14 21.3	1.139	2.064	14.4	20.0
10 8	22 29.85	−14 46.2	1.220	2.077	18.6	20.3

124121 2001 KV_2 9 3.5 220.°34 19.°1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 31.04	−47 29.8	1.267	2.106	20.1	19.7
8 9	23 24.85	−50 13.6	1.242	2.100	19.2	19.7
8 19	23 13.82	−52 27.2	1.234	2.093	19.2	19.6
8 29	22 59.20	−53 53.4	1.245	2.086	20.0	19.7
9 8	22 43.40	−54 21.6	1.272	2.078	21.4	19.8
9 18	22 29.19	−53 51.2	1.313	2.069	23.2	19.9
9 28	22 18.80	−52 29.6	1.368	2.060	24.9	20.0
10 8	22 13.24	−50 28.6	1.432	2.050	26.5	20.1

367707 2010 TR_{18} 9 3.5 62.°85 1.°8/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.81	− 1 38.7	1.313	2.173	18.4	21.1
8 9	23 12.22	− 1 43.5	1.253	2.180	14.2	20.9
8 19	23 4.96	− 2 6.7	1.212	2.188	9.4	20.6
8 29	22 55.85	− 2 44.9	1.194	2.197	4.2	20.4
9 8	22 46.11	− 3 31.8	1.200	2.205	2.5	20.3
9 18	22 37.07	− 4 19.7	1.232	2.214	7.4	20.6
9 28	22 29.97	− 5 1.3	1.287	2.222	12.2	20.9
10 8	22 25.61	− 5 31.1	1.363	2.231	16.3	21.2

59474 1999 HK_2 9 3.5 70.°81 9.°7/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.63	−30 6.0	1.552	2.426	15.3	18.6
8 9	23 16.17	−31 23.6	1.526	2.449	12.5	18.5
8 19	23 7.11	−32 28.9	1.522	2.472	10.3	18.4
8 29	22 56.50	−33 12.0	1.542	2.496	9.7	18.5
9 8	22 45.69	−33 26.5	1.586	2.519	10.9	18.6
9 18	22 36.01	−33 10.8	1.653	2.542	13.1	18.8
9 28	22 28.53	−32 27.4	1.741	2.565	15.5	19.0
10 8	22 23.82	−31 21.6	1.848	2.588	17.7	19.2

322766 2001 FN_{62} 9 3.5 126.°89 2.°6/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.86	−11 32.7	1.748	2.613	14.3	21.3
8 9	23 13.12	−12 22.4	1.692	2.627	10.6	21.1
8 19	23 5.22	−13 19.0	1.658	2.641	6.6	20.9
8 29	22 55.88	−14 16.0	1.651	2.655	3.0	20.7
9 8	22 46.13	−15 6.3	1.671	2.667	4.0	20.8
9 18	22 37.02	−15 44.4	1.718	2.679	7.8	21.1
9 28	22 29.54	−16 6.6	1.791	2.691	11.5	21.3
10 8	22 24.32	−16 11.9	1.886	2.702	14.7	21.6

207400 2006 BN_{53} 9 3.5 322.°31 1.°7/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.46	− 6 45.8	1.114	2.006	18.7	20.4
8 9	23 8.83	− 7 39.5	1.045	1.995	14.1	20.1
8 19	23 3.22	− 8 53.0	0.995	1.984	8.8	19.8
8 29	22 55.35	−10 18.7	0.967	1.974	3.2	19.4
9 8	22 46.49	−11 45.1	0.961	1.964	4.0	19.4
9 18	22 38.17	−13 0.4	0.978	1.955	9.8	19.7
9 28	22 31.87	−13 55.0	1.017	1.946	15.3	20.0
10 8	22 28.62	−14 24.2	1.074	1.939	20.0	20.3

371866 2008 CQ_4 9 3.5 308.°49 3.°6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.05	−12 39.4	1.254	2.145	17.0	20.2
8 9	23 11.51	−13 17.9	1.172	2.122	13.0	19.8
8 19	23 4.95	−14 6.6	1.110	2.098	8.3	19.5
8 29	22 56.01	−14 58.1	1.071	2.075	4.1	19.2
9 8	22 45.92	−15 42.7	1.055	2.052	5.5	19.2
9 18	22 36.18	−16 11.7	1.062	2.030	10.6	19.4
9 28	22 28.36	−16 19.2	1.091	2.008	15.7	19.7
10 8	22 23.57	−16 3.6	1.139	1.987	20.2	19.9

91141 1998 LF_3 9 3.5 195.°62 10.°2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.16	−37 6.2	2.240	3.090	12.1	19.1
8 9	23 12.84	−39 18.6	2.199	3.087	10.7	19.0
8 19	23 5.23	−41 19.3	2.183	3.084	10.2	19.0
8 29	22 55.97	−42 58.4	2.192	3.081	10.6	19.0
9 8	22 46.03	−44 8.9	2.225	3.077	11.8	19.1
9 18	22 36.52	−44 47.5	2.281	3.072	13.4	19.2
9 28	22 28.54	−44 54.6	2.356	3.066	15.1	19.3
10 8	22 22.85	−44 33.8	2.447	3.061	16.6	19.5

452270 2015 TD_{146} 9 3.5 359.°81 0.°3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.96	− 3 57.8	2.014	2.866	13.2	21.0
8 9	23 7.08	− 4 25.9	1.939	2.865	10.0	20.8
8 19	23 1.43	− 5 6.2	1.887	2.865	6.4	20.6
8 29	22 54.55	− 5 55.0	1.860	2.865	2.4	20.3
9 8	22 47.20	− 6 47.2	1.860	2.865	1.7	20.3
9 18	22 40.22	− 7 37.3	1.888	2.865	5.7	20.5
9 28	22 34.41	− 8 20.2	1.942	2.866	9.4	20.8
10 8	22 30.38	− 8 52.2	2.019	2.866	12.6	21.0

247325 2001 TU_{249} 9 3.5 337.°77 1.°5/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.27	− 8 28.0	1.708	2.581	14.2	20.8
8 9	23 7.66	− 9 9.6	1.635	2.574	10.7	20.6
8 19	23 1.96	−10 2.2	1.583	2.568	6.6	20.3
8 29	22 54.78	−11 0.2	1.556	2.563	2.4	20.1
9 8	22 47.01	−11 56.8	1.556	2.558	3.1	20.1
9 18	22 39.65	−12 45.5	1.582	2.553	7.4	20.4
9 28	22 33.67	−13 20.7	1.632	2.549	11.4	20.6
10 8	22 29.80	−13 39.7	1.705	2.545	14.9	20.8

224880 2007 BH_{68} 9 3.5 266.°39 0.°3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.61	− 5 6.9	1.619	2.477	15.6	21.0
8 9	23 11.86	− 5 17.0	1.540	2.469	12.0	20.7
8 19	23 4.71	− 5 40.0	1.481	2.460	7.7	20.5
8 29	22 55.82	− 6 12.2	1.447	2.452	2.9	20.1
9 8	22 46.19	− 6 48.2	1.439	2.444	2.1	20.1
9 18	22 36.97	− 7 22.2	1.457	2.435	7.0	20.4
9 28	22 29.31	− 7 48.5	1.501	2.427	11.5	20.6
10 8	22 24.03	− 8 3.3	1.567	2.418	15.4	20.8

487159 2014 OJ_{246} 9 3.5 296.°22 1.°9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.38	−11 56.4	2.151	3.014	12.0	21.3
8 9	23 9.71	−12 17.3	2.060	2.994	9.1	21.1
8 19	23 3.14	−12 43.6	1.991	2.974	5.7	20.8
8 29	22 55.21	−13 11.2	1.950	2.955	2.4	20.6
9 8	22 46.68	−13 35.3	1.936	2.935	3.2	20.6
9 18	22 38.40	−13 51.6	1.950	2.915	6.7	20.8
9 28	22 31.26	−13 57.1	1.990	2.895	10.3	21.0
10 8	22 25.95	−13 49.8	2.053	2.876	13.4	21.1

365696 2010 VE_{119} 9 3.5 193.°02 3.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.63	+ 6 34.4	2.450	3.246	12.8	21.4
8 9	23 6.58	+ 6 26.7	2.364	3.245	10.4	21.2
8 19	23 1.01	+ 6 2.9	2.300	3.244	7.6	21.0
8 29	22 54.40	+ 5 24.3	2.261	3.244	4.9	20.8
9 8	22 47.37	+ 4 33.6	2.249	3.243	3.5	20.8
9 18	22 40.60	+ 3 35.2	2.265	3.242	5.0	20.9
9 28	22 34.78	+ 2 34.2	2.310	3.241	7.8	21.0
10 8	22 30.46	+ 1 35.8	2.379	3.239	10.5	21.2

108800 2001 OR_{71} 9 3.5 33.°92 5.°8/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.95	−16 11.7	1.507	2.401	14.5	18.6
8 9	23 6.85	−18 13.3	1.462	2.412	10.8	18.4
8 19	23 1.49	−20 20.0	1.439	2.422	7.4	18.2
8 29	22 54.61	−22 20.0	1.442	2.434	5.8	18.2
9 8	22 47.24	−24 2.3	1.471	2.446	7.7	18.3
9 18	22 40.47	−25 18.9	1.524	2.458	11.0	18.6
9 28	22 35.31	−26 6.0	1.600	2.471	14.3	18.8
10 8	22 32.44	−26 24.2	1.695	2.485	17.2	19.0

262529 2006 UJ_{329} 9 3.5 160.°86 2.°3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.71	+ 0 15.1	2.175	2.998	13.4	20.6
8 9	23 10.53	+ 0 25.6	2.095	3.000	10.5	20.5
8 19	23 3.55	+ 0 23.7	2.038	3.001	7.2	20.3
8 29	22 55.34	+ 0 10.9	2.006	3.003	3.8	20.1
9 8	22 46.66	− 0 10.0	2.003	3.005	2.5	20.0
9 18	22 38.33	− 0 35.4	2.028	3.006	5.3	20.2
9 28	22 31.17	− 1 0.8	2.080	3.007	8.7	20.4
10 8	22 25.80	− 1 22.3	2.156	3.008	11.8	20.6

398105 2009 SA_{201} 9 3.5 304.°03 5.°0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.28	+11 34.2	2.241	3.018	14.4	20.5
8 9	23 5.09	+11 21.1	2.140	3.002	12.1	20.3
8 19	23 0.24	+10 46.4	2.059	2.987	9.4	20.1
8 29	22 54.18	+ 9 50.3	2.002	2.971	6.7	19.9
9 8	22 47.57	+ 8 35.4	1.971	2.955	5.1	19.8
9 18	22 41.14	+ 7 6.6	1.967	2.940	6.0	19.8
9 28	22 35.69	+ 5 31.0	1.990	2.925	8.6	19.9
10 8	22 31.85	+ 3 56.3	2.039	2.910	11.5	20.1

138018 2000 CL_{113} 9 3.5 225.°24 1.°1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.26	− 2 30.2	1.885	2.724	14.5	20.9
8 9	23 12.08	− 2 43.0	1.797	2.715	11.2	20.6
8 19	23 4.74	− 3 9.4	1.732	2.705	7.4	20.4
8 29	22 55.83	− 3 46.7	1.691	2.694	3.1	20.1
9 8	22 46.23	− 4 30.2	1.679	2.683	2.0	20.0
9 18	22 36.94	− 5 14.5	1.694	2.672	6.2	20.3
9 28	22 28.99	− 5 53.8	1.736	2.660	10.3	20.5
10 8	22 23.13	− 6 23.7	1.801	2.647	14.0	20.7

70708 1999 UR_{43} 9 3.5 242.°58 9.°5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.04	+26 3.1	2.538	3.187	15.8	19.9
8 9	23 9.45	+26 36.0	2.427	3.169	14.3	19.7
8 19	23 3.03	+26 45.6	2.333	3.150	12.6	19.6
8 29	22 55.22	+26 28.2	2.260	3.131	11.0	19.4
9 8	22 46.71	+25 42.7	2.209	3.111	9.8	19.3
9 18	22 38.32	+24 30.8	2.183	3.090	9.5	19.3
9 28	22 30.91	+22 57.3	2.183	3.069	10.4	19.3
10 8	22 25.18	+21 10.0	2.207	3.047	12.0	19.4

93364 2000 SU_{265} 9 3.5 340.°80 1.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.67	− 5 36.0	1.328	2.211	16.8	19.4
8 9	23 6.26	− 6 36.6	1.257	2.202	12.7	19.2
8 19	23 1.37	− 7 56.1	1.207	2.194	7.9	18.9
8 29	22 54.67	− 9 27.4	1.179	2.186	2.7	18.5
9 8	22 47.20	−11 0.5	1.176	2.179	3.3	18.6
9 18	22 40.19	−12 24.6	1.197	2.173	8.5	18.9
9 28	22 34.85	−13 31.0	1.242	2.168	13.4	19.1
10 8	22 32.02	−14 14.5	1.306	2.164	17.5	19.4

312968 1998 QS_{97} 9 3.5 356.°91 4.°1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.39	+ 0 19.6	1.871	2.688	15.4	19.3
8 9	23 16.65	+ 1 35.1	1.788	2.686	12.3	19.0
8 19	23 7.59	+ 2 40.8	1.727	2.684	8.8	18.8
8 29	22 56.87	+ 3 35.2	1.693	2.683	5.4	18.6
9 8	22 45.45	+ 4 17.9	1.687	2.682	4.2	18.6
9 18	22 34.45	+ 4 50.0	1.709	2.682	6.8	18.7
9 28	22 24.96	+ 5 14.1	1.759	2.682	10.3	18.9
10 8	22 17.77	+ 5 33.8	1.832	2.683	13.6	19.1

443822 1999 VP_{101} 9 3.5 331.°60 7.°9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.72	−26 55.1	1.806	2.687	13.2	20.0
8 9	23 10.36	−27 59.8	1.742	2.675	10.6	19.8
8 19	23 3.70	−28 59.0	1.702	2.663	8.5	19.7
8 29	22 55.45	−29 44.4	1.685	2.652	7.9	19.6
9 8	22 46.62	−30 8.7	1.693	2.641	9.2	19.7
9 18	22 38.31	−30 8.0	1.726	2.632	11.7	19.8
9 28	22 31.59	−29 41.4	1.780	2.622	14.4	20.0
10 8	22 27.17	−28 51.5	1.853	2.614	16.9	20.1

260176 2004 RJ_{103} 9 3.5 335.°18 2.°4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.10	+ 0 20.5	2.018	2.850	13.9	20.3
8 9	23 8.75	+ 0 30.2	1.935	2.845	11.0	20.1
8 19	23 2.55	+ 0 26.5	1.875	2.840	7.5	19.9
8 29	22 55.02	+ 0 10.7	1.839	2.836	4.0	19.7
9 8	22 46.95	− 0 13.9	1.830	2.832	2.6	19.6
9 18	22 39.21	− 0 43.4	1.848	2.828	5.6	19.7
9 28	22 32.66	− 1 13.0	1.893	2.825	9.2	20.0
10 8	22 27.95	− 1 38.0	1.962	2.821	12.4	20.2

44255 1998 QV_{45} 9 3.5 301.°63 2.°4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.97	+ 2 18.3	1.747	2.584	15.6	18.5
8 9	23 7.73	+ 1 51.8	1.637	2.549	12.4	18.2
8 19	23 2.28	+ 1 3.8	1.547	2.514	8.6	17.9
8 29	22 55.05	− 0 4.2	1.481	2.479	4.5	17.6
9 8	22 46.85	− 1 27.6	1.441	2.444	2.7	17.4
9 18	22 38.69	− 2 58.9	1.427	2.409	6.6	17.6
9 28	22 31.70	− 4 29.0	1.440	2.374	11.2	17.8
10 8	22 26.83	− 5 49.2	1.475	2.339	15.5	17.9

167276 2003 UR_{150} 9 3.5 285.°57 8.°0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.93	+16 48.6	1.913	2.664	17.4	19.7
8 9	23 7.43	+17 6.7	1.817	2.651	15.1	19.5
8 19	23 1.91	+16 58.9	1.739	2.638	12.5	19.2
8 29	22 54.85	+16 22.6	1.682	2.625	9.9	19.1
9 8	22 47.07	+15 18.8	1.648	2.612	8.2	18.9
9 18	22 39.51	+13 51.9	1.640	2.598	8.4	18.9
9 28	22 33.15	+12 9.6	1.657	2.585	10.5	19.0
10 8	22 28.79	+10 21.9	1.699	2.572	13.3	19.2

2396 Kochi 9 3.5 123.°89 0.°3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.28	− 3 49.4	2.049	2.899	13.1	16.1
8 9	23 7.29	− 4 52.0	1.979	2.905	9.9	15.9
8 19	23 1.56	− 6 8.1	1.931	2.911	6.2	15.7
8 29	22 54.64	− 7 32.6	1.911	2.917	2.2	15.5
9 8	22 47.30	− 8 58.8	1.918	2.922	2.0	15.5
9 18	22 40.33	−10 19.9	1.954	2.928	6.0	15.8
9 28	22 34.53	−11 29.8	2.017	2.933	9.6	16.0
10 8	22 30.48	−12 24.5	2.104	2.938	12.7	16.2

456676 2007 RM_{112} 9 3.5 59.°20 1.°9/ 2.5 17

7 30	23 21.65	−10 10.8	1.135	2.018	19.1	20.9
8 9	23 16.00	−10 24.4	1.093	2.036	14.3	20.6
8 19	23 7.33	−10 47.8	1.069	2.055	8.8	20.4
8 29	22 56.73	−11 14.2	1.068	2.074	3.3	20.1
9 8	22 45.71	−11 36.0	1.091	2.094	3.8	20.2
9 18	22 35.83	−11 47.3	1.139	2.113	9.0	20.6
9 28	22 28.36	−11 44.3	1.209	2.133	13.8	20.9
10 8	22 24.02	−11 26.3	1.299	2.153	17.8	21.3

57328 2001 QC_{243} 9 3.5 147.°13 0.°6/ 4.1 18

7 30	23 13.03	− 1 40.4	1.684	2.534	15.4	20.1
8 9	23 8.98	− 2 30.1	1.613	2.537	11.8	19.9
8 19	23 2.81	− 3 37.7	1.563	2.540	7.6	19.6
8 29	22 55.14	− 4 58.2	1.538	2.542	3.0	19.4
9 8	22 46.90	− 6 24.1	1.539	2.545	2.0	19.3
9 18	22 39.12	− 7 47.2	1.568	2.547	6.6	19.6
9 28	22 32.77	− 9 0.0	1.623	2.549	10.8	19.9
10 8	22 28.56	− 9 57.0	1.701	2.550	14.5	20.1

425540 2010 RC_{14} 9 3.5 280.°87 0.°2/ 3.4 18

7 30	23 18.20	− 6 40.6	1.399	2.267	17.0	21.2
8 9	23 13.52	− 6 47.3	1.318	2.253	13.0	20.9
8 19	23 6.03	− 7 6.9	1.256	2.239	8.3	20.6
8 29	22 56.42	− 7 35.2	1.218	2.225	3.0	20.3
9 8	22 45.82	− 8 6.1	1.205	2.210	2.6	20.2
9 18	22 35.64	− 8 33.1	1.218	2.196	8.1	20.5
9 28	22 27.25	− 8 50.2	1.254	2.182	13.2	20.8
10 8	22 21.64	− 8 53.7	1.311	2.167	17.6	21.0

165505 2001 BV_{76} 9 3.5 233.°54 1.°3/ 4.6 18

7 30	23 17.47	− 3 3.1	2.063	2.898	13.6	20.5
8 9	23 12.05	− 2 59.2	1.974	2.889	10.5	20.2
8 19	23 4.65	− 3 6.2	1.908	2.880	6.9	20.0
8 29	22 55.81	− 3 22.0	1.868	2.871	3.0	19.8
9 8	22 46.36	− 3 43.3	1.856	2.861	1.9	19.7
9 18	22 37.22	− 4 5.9	1.873	2.851	5.7	19.9
9 28	22 29.30	− 4 25.7	1.917	2.840	9.5	20.1
10 8	22 23.32	− 4 39.1	1.984	2.829	12.9	20.3

177985 2006 QV_{42} 9 3.5 337.°24 2.°7/ 1.3 18

7 30	23 9.24	− 7 55.5	1.168	2.063	17.8	19.5
8 9	23 7.01	− 9 12.3	1.102	2.054	13.3	19.2
8 19	23 2.02	−10 48.3	1.055	2.045	8.2	18.9
8 29	22 54.96	−12 34.1	1.031	2.037	3.4	18.6
9 8	22 47.04	−14 16.8	1.030	2.030	4.9	18.7
9 18	22 39.65	−15 44.3	1.053	2.024	10.1	19.0
9 28	22 34.16	−16 47.2	1.097	2.019	15.2	19.3
10 8	22 31.48	−17 21.6	1.160	2.015	19.5	19.5

255420 2005 XQ_{56} 9 3.5 213.°02 0.°4/ 2.9 18

7 30	23 12.71	− 7 15.4	2.954	3.794	9.8	21.7
8 9	23 7.90	− 7 40.7	2.864	3.786	7.3	21.5
8 19	23 1.77	− 8 12.5	2.800	3.778	4.6	21.3
8 29	22 54.71	− 8 48.2	2.764	3.770	1.6	21.1
9 8	22 47.29	− 9 24.2	2.757	3.761	1.6	21.1
9 18	22 40.07	− 9 57.2	2.780	3.751	4.6	21.3
9 28	22 33.67	−10 24.2	2.832	3.741	7.4	21.5
10 8	22 28.55	−10 42.9	2.909	3.730	9.9	21.6

399705 2004 TJ_{300} 9 3.5 330.°12 4.°4/ 7.6 18

7 30	23 12.04	+ 5 36.4	2.006	2.816	14.8	20.2
8 9	23 8.04	+ 5 58.3	1.918	2.808	12.0	20.0
8 19	23 2.17	+ 6 3.6	1.851	2.799	8.9	19.8
8 29	22 54.93	+ 5 52.1	1.808	2.792	5.9	19.6
9 8	22 47.09	+ 5 26.1	1.791	2.784	4.4	19.5
9 18	22 39.53	+ 4 49.4	1.801	2.777	6.1	19.6
9 28	22 33.12	+ 4 7.4	1.837	2.770	9.3	19.7
10 8	22 28.56	+ 3 26.0	1.896	2.764	12.4	19.9

388890 2008 RL_{128} 9 3.5 284.°99 2.°3/ 5.9 18

7 30	23 10.11	+ 3 49.1	1.689	2.523	16.1	21.4
8 9	23 6.95	+ 2 56.3	1.600	2.510	12.8	21.2
8 19	23 1.66	+ 1 39.0	1.531	2.498	8.8	20.9
8 29	22 54.79	+ 0 0.2	1.487	2.485	4.5	20.6
9 8	22 47.20	− 1 53.0	1.469	2.473	2.5	20.5
9 18	22 39.90	− 3 51.1	1.478	2.460	6.4	20.7
9 28	22 33.90	− 5 43.4	1.514	2.448	10.8	20.9
10 8	22 30.01	− 7 21.3	1.573	2.436	14.8	21.1

186405 2002 PE_{70} 9 3.5 334.°65 7.°2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.53	+ 9 31.0	1.123	1.969	21.8	19.5
8 9	23 4.40	+ 9 48.8	1.044	1.951	18.3	19.2
8 19	23 0.53	+ 9 33.2	0.979	1.933	14.1	18.9
8 29	22 54.50	+ 8 41.3	0.934	1.917	9.9	18.6
9 8	22 47.40	+ 7 16.3	0.909	1.902	7.3	18.4
9 18	22 40.64	+ 5 27.0	0.905	1.889	9.0	18.5
9 28	22 35.68	+ 3 27.6	0.923	1.877	13.4	18.7
10 8	22 33.62	+ 1 33.6	0.960	1.866	18.1	18.9

284251 2006 FP_{36} 9 3.5 123.°57 3.°2/31.0 18

7 30	23 14.34	−12 55.7	2.004	2.873	12.6	21.1
8 9	23 9.59	−14 13.2	1.948	2.886	9.3	21.0
8 19	23 3.00	−15 36.6	1.915	2.898	5.9	20.8
8 29	22 55.18	−16 58.9	1.910	2.910	3.3	20.7
9 8	22 46.97	−18 12.9	1.932	2.922	4.6	20.8
9 18	22 39.24	−19 12.5	1.983	2.933	7.8	21.0
9 28	22 32.82	−19 54.0	2.059	2.944	11.0	21.2
10 8	22 28.30	−20 16.4	2.157	2.954	13.7	21.4

200542 2001 FA_8 9 3.5 132.°01 1.°1/ 2.5 18

7 30	23 15.35	− 8 14.2	2.070	2.925	12.8	20.6
8 9	23 10.28	− 8 49.7	2.005	2.935	9.6	20.4
8 19	23 3.41	− 9 33.6	1.962	2.944	5.9	20.2
8 29	22 55.33	−10 21.4	1.946	2.952	2.1	19.9
9 8	22 46.86	−11 7.5	1.959	2.961	2.5	20.0
9 18	22 38.84	−11 47.2	1.999	2.969	6.2	20.2
9 28	22 32.08	−12 16.4	2.067	2.976	9.7	20.5
10 8	22 27.19	−12 32.9	2.157	2.984	12.7	20.7

470836 2008 WT_{115} 9 3.5 320.°31 3.°0/ 1.1 18

7 30	23 13.51	−11 58.4	1.545	2.426	15.0	21.0
8 9	23 9.66	−12 43.0	1.472	2.416	11.2	20.8
8 19	23 3.41	−13 36.4	1.420	2.406	7.1	20.5
8 29	22 55.43	−14 31.7	1.393	2.397	3.4	20.2
9 8	22 46.74	−15 21.2	1.391	2.388	4.5	20.3
9 18	22 38.51	−15 58.0	1.414	2.379	8.8	20.5
9 28	22 31.86	−16 17.2	1.461	2.371	13.0	20.8
10 8	22 27.61	−16 17.0	1.529	2.363	16.6	21.0

52876 1998 SQ_{43} 9 3.5 347.°74 2.°5/ 5.5 18

7 30	23 8.57	+ 1 12.1	1.177	2.048	19.4	18.8
8 9	23 6.45	+ 0 52.5	1.108	2.040	15.3	18.5
8 19	23 1.65	+ 0 7.1	1.057	2.033	10.4	18.2
8 29	22 54.85	− 1 0.8	1.026	2.028	5.1	17.9
9 8	22 47.20	− 2 23.6	1.018	2.023	2.9	17.8
9 18	22 40.07	− 3 50.5	1.034	2.020	7.8	18.1
9 28	22 34.76	− 5 10.3	1.072	2.017	13.0	18.3
10 8	22 32.19	− 6 14.1	1.130	2.016	17.6	18.6

475889 2007 DR_4 9 3.5 214.°06 3.°1/30.2 18

7 30	23 13.44	−17 38.9	3.161	4.019	8.7	22.7
8 9	23 8.43	−18 29.4	3.078	4.009	6.6	22.6
8 19	23 2.09	−19 21.3	3.022	3.998	4.4	22.4
8 29	22 54.85	−20 10.5	2.994	3.987	3.1	22.3
9 8	22 47.24	−20 52.8	2.996	3.975	4.0	22.3
9 18	22 39.83	−21 24.9	3.028	3.962	6.1	22.5
9 28	22 33.23	−21 44.8	3.086	3.949	8.4	22.6
10 8	22 27.90	−21 51.6	3.169	3.935	10.4	22.7

478764 2012 UZ_{112} 9 3.5 279.°51 2.°2/ 5.5 16

7 30	23 13.28	+ 0 48.6	1.847	2.682	14.9	22.1
8 9	23 9.26	+ 0 33.2	1.748	2.660	11.8	21.9
8 19	23 3.12	+ 0 0.4	1.669	2.638	8.1	21.6
8 29	22 55.35	− 0 47.9	1.616	2.615	4.1	21.3
9 8	22 46.78	− 1 47.3	1.589	2.592	2.5	21.1
9 18	22 38.37	− 2 51.8	1.589	2.569	6.2	21.3
9 28	22 31.18	− 3 54.0	1.615	2.546	10.5	21.5
10 8	22 26.02	− 4 47.8	1.664	2.523	14.3	21.7

352649 2008 OQ_{22} 9 3.6 267.°57 0.°1/ 3.3 17

7 30	23 4.58	− 6 0.2	4.493	5.331	6.7	21.1
8 9	23 1.46	− 6 29.9	4.404	5.324	5.0	21.0
8 19	22 57.58	− 7 4.5	4.341	5.318	3.1	20.8
8 29	22 53.19	− 7 42.2	4.306	5.312	1.1	20.7
9 8	22 48.60	− 8 20.7	4.301	5.305	1.0	20.6
9 18	22 44.13	− 8 57.8	4.326	5.299	3.0	20.8
9 28	22 40.12	− 9 31.3	4.380	5.292	4.9	20.9
10 8	22 36.86	− 9 59.5	4.461	5.286	6.7	21.1

204982 1995 FT_3 9 3.6 158.°58 0.°5/ 3.0 18

7 30	23 12.97	− 5 45.8	2.211	3.060	12.3	21.6
8 9	23 8.46	− 6 28.4	2.138	3.064	9.2	21.4
8 19	23 2.28	− 7 21.4	2.088	3.068	5.8	21.2
8 29	22 54.96	− 8 20.5	2.065	3.072	2.0	21.0
9 8	22 47.21	− 9 20.4	2.071	3.075	2.0	21.0
9 18	22 39.83	−10 15.8	2.105	3.077	5.7	21.2
9 28	22 33.55	−11 1.9	2.166	3.080	9.1	21.4
10 8	22 28.97	−11 35.8	2.251	3.082	12.1	21.6

349380 2007 WX_5 9 3.6 247.°74 2.°3/ 1.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.76	−12 41.6	2.053	2.915	12.6	20.8
8 9	23 11.53	−13 6.6	1.973	2.907	9.4	20.6
8 19	23 4.32	−13 36.6	1.916	2.899	5.9	20.4
8 29	22 55.73	−14 6.8	1.886	2.890	2.7	20.2
9 8	22 46.59	−14 32.1	1.884	2.881	3.5	20.2
9 18	22 37.82	−14 48.3	1.909	2.872	7.1	20.4
9 28	22 30.33	−14 52.3	1.961	2.863	10.6	20.6
10 8	22 24.81	−14 42.9	2.036	2.854	13.7	20.8

307106 2002 CF_{31} 9 3.6 188.°67 1.°9/ 1.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 17.02	−10 57.8	2.104	2.961	12.5	21.3
8 9	23 11.62	−11 34.3	2.029	2.960	9.4	21.1
8 19	23 4.33	−12 17.5	1.977	2.959	5.8	20.9
8 29	22 55.72	−13 2.3	1.953	2.957	2.4	20.7
9 8	22 46.62	−13 43.4	1.957	2.955	3.2	20.7
9 18	22 37.91	−14 15.9	1.989	2.952	6.8	21.0
9 28	22 30.47	−14 36.2	2.048	2.949	10.2	21.2
10 8	22 24.94	−14 42.8	2.130	2.945	13.2	21.4

218491 2004 TP_{50} 9 3.6 325.°32 0.°3/ 3.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 12.77	− 6 47.3	2.203	3.056	12.2	20.2
8 9	23 8.35	− 7 5.6	2.126	3.053	9.2	20.0
8 19	23 2.24	− 7 32.5	2.071	3.051	5.8	19.8
8 29	22 54.96	− 8 4.7	2.043	3.049	2.0	19.5
9 8	22 47.23	− 8 37.8	2.042	3.046	1.9	19.5
9 18	22 39.84	− 9 7.7	2.070	3.044	5.6	19.7
9 28	22 33.56	− 9 30.4	2.124	3.042	9.1	20.0
10 8	22 28.97	− 9 43.3	2.202	3.040	12.1	20.2

418046 2007 VV_{106} 9 3.6 51.°36 1.°6/ 4.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.40	− 1 34.0	1.139	2.008	19.9	20.5
8 9	23 12.12	− 1 46.8	1.092	2.025	15.3	20.3
8 19	23 5.00	− 2 20.6	1.064	2.043	10.0	20.0
8 29	22 55.99	− 3 10.4	1.057	2.061	4.3	19.8
9 8	22 46.47	− 4 8.2	1.074	2.079	2.6	19.7
9 18	22 37.88	− 5 4.9	1.115	2.098	7.8	20.1
9 28	22 31.45	− 5 52.2	1.179	2.117	12.8	20.4
10 8	22 27.93	− 6 24.8	1.263	2.137	17.0	20.8

46136 2001 FH_{56} 9 3.6 135.°15 0.°9/ 4.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 12.13	− 2 21.5	2.641	3.471	11.1	19.6
8 9	23 7.55	− 2 38.8	2.566	3.478	8.5	19.4
8 19	23 1.59	− 3 5.9	2.514	3.485	5.5	19.3
8 29	22 54.69	− 3 40.3	2.490	3.492	2.4	19.1
9 8	22 47.46	− 4 18.6	2.494	3.499	1.4	19.0
9 18	22 40.54	− 4 57.0	2.528	3.505	4.5	19.2
9 28	22 34.55	− 5 32.0	2.590	3.512	7.5	19.4
10 8	22 29.97	− 6 0.2	2.677	3.518	10.1	19.6

317348 2002 LC_{32} 9 3.6 105.°82 4.°0/31.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 17.67	−13 28.9	1.480	2.359	15.6	20.5
8 9	23 12.66	−14 38.7	1.428	2.371	11.6	20.3
8 19	23 5.18	−15 55.3	1.399	2.383	7.4	20.0
8 29	22 56.04	−17 9.8	1.394	2.395	4.2	19.9
9 8	22 46.42	−18 13.1	1.415	2.406	5.6	20.0
9 18	22 37.52	−18 58.3	1.462	2.417	9.5	20.3
9 28	22 30.47	−19 21.6	1.532	2.428	13.4	20.5
10 8	22 25.96	−19 22.9	1.623	2.439	16.7	20.8

175121 2004 XX_{30} 9 3.6 261.°56 15.°1/17.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.50	−32 24.4	1.154	2.051	17.8	19.4
8 9	23 13.48	−36 13.5	1.112	2.038	15.7	19.2
8 19	23 6.70	−39 53.1	1.092	2.025	15.1	19.2
8 29	22 56.89	−43 0.2	1.094	2.012	16.4	19.2
9 8	22 45.62	−45 16.7	1.117	1.998	18.8	19.3
9 18	22 34.94	−46 34.1	1.158	1.984	21.8	19.5
9 28	22 26.87	−46 54.0	1.213	1.970	24.5	19.6
10 8	22 22.70	−46 25.1	1.279	1.955	26.9	19.8

301375 2009 CJ_{59} 9 3.6 50.°29 1.°2/ 2.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 11.84	− 7 13.4	1.878	2.741	13.5	20.3
8 9	23 7.91	− 8 7.2	1.809	2.743	10.1	20.1
8 19	23 2.08	− 9 12.3	1.762	2.745	6.2	19.9
8 29	22 54.94	−10 23.3	1.741	2.748	2.2	19.7
9 8	22 47.30	−11 33.3	1.748	2.750	2.8	19.7
9 18	22 40.08	−12 35.6	1.782	2.752	6.8	20.0
9 28	22 34.14	−13 25.0	1.841	2.754	10.5	20.2
10 8	22 30.12	−13 58.1	1.924	2.757	13.8	20.4

372802 2010 SA_{19} 9 3.6 152.°66 4.°8/31.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 19.91	−16 34.0	1.484	2.364	15.6	20.5
8 9	23 14.48	−17 24.5	1.425	2.367	11.7	20.3
8 19	23 6.42	−18 18.4	1.387	2.369	7.7	20.0
8 29	22 56.54	−19 7.3	1.373	2.371	4.9	19.9
9 8	22 46.06	−19 43.0	1.385	2.373	6.3	20.0
9 18	22 36.28	−19 59.8	1.423	2.375	10.0	20.2
9 28	22 28.41	−19 55.3	1.484	2.376	13.9	20.4
10 8	22 23.24	−19 30.3	1.565	2.378	17.3	20.7

453504 2009 UD_8 9 3.6 33.°77 3.°6/30.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 13.61	−16 30.0	2.067	2.940	12.0	21.1
8 9	23 9.05	−17 11.4	2.006	2.946	9.0	21.0
8 19	23 2.68	−17 54.9	1.970	2.951	5.9	20.8
8 29	22 55.12	−18 34.7	1.959	2.957	3.7	20.7
9 8	22 47.19	−19 5.5	1.976	2.963	4.8	20.7
9 18	22 39.73	−19 23.3	2.020	2.970	7.7	20.9
9 28	22 33.54	−19 25.9	2.089	2.976	10.7	21.1
10 8	22 29.22	−19 12.9	2.180	2.983	13.4	21.3

3593 Osip 9 3.6 228.°04 0.°8/ 4.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 17.52	− 2 55.8	1.460	2.315	17.1	17.7
8 9	23 12.85	− 3 17.4	1.382	2.309	13.2	17.5
8 19	23 5.55	− 3 56.3	1.325	2.303	8.6	17.2
8 29	22 56.30	− 4 48.7	1.291	2.296	3.4	16.9
9 8	22 46.21	− 5 47.9	1.283	2.288	2.2	16.8
9 18	22 36.57	− 6 46.0	1.301	2.281	7.5	17.1
9 28	22 28.64	− 7 35.4	1.344	2.272	12.4	17.4
10 8	22 23.34	− 8 10.7	1.408	2.264	16.6	17.6

448421 2009 SD_{255} 9 3.6 354.°63 11.°0/23.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 12.44	−32 47.5	1.581	2.466	14.5	19.8
8 9	23 9.03	−34 25.0	1.537	2.460	12.4	19.6
8 19	23 3.06	−35 50.8	1.514	2.455	11.1	19.5
8 29	22 55.33	−36 54.1	1.514	2.452	11.2	19.5
9 8	22 47.03	−37 26.9	1.536	2.449	12.6	19.6
9 18	22 39.42	−37 25.5	1.579	2.447	14.8	19.8
9 28	22 33.64	−36 51.0	1.641	2.447	17.1	19.9
10 8	22 30.45	−35 47.7	1.719	2.447	19.2	20.1

221667 2007 CP_{47} 9 3.6 221.°09 0.°0/ 3.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 16.35	− 4 47.0	1.889	2.737	14.1	21.4
8 9	23 11.40	− 5 12.6	1.806	2.730	10.8	21.1
8 19	23 4.36	− 5 50.6	1.744	2.722	6.9	20.9
8 29	22 55.81	− 6 37.3	1.709	2.714	2.5	20.6
9 8	22 46.62	− 7 27.2	1.701	2.706	2.0	20.6
9 18	22 37.77	− 8 14.5	1.721	2.697	6.4	20.8
9 28	22 30.24	− 8 53.7	1.767	2.687	10.4	21.0
10 8	22 24.78	− 9 21.0	1.837	2.678	14.0	21.3

451182 2009 SV_{307} 9 3.6 316.°79 0.°8/ 4.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 11.90	− 3 31.2	2.048	2.895	13.2	21.0
8 9	23 7.91	− 3 42.2	1.961	2.884	10.1	20.8
8 19	23 2.09	− 4 4.8	1.897	2.873	6.6	20.6
8 29	22 54.97	− 4 36.3	1.859	2.863	2.7	20.3
9 8	22 47.29	− 5 12.7	1.847	2.852	1.7	20.2
9 18	22 39.90	− 5 49.1	1.863	2.842	5.6	20.5
9 28	22 33.63	− 6 20.8	1.905	2.832	9.4	20.7
10 8	22 29.16	− 6 44.0	1.971	2.823	12.7	20.9

42136 2001 BM_{26} 9 3.6 90.°73 0.°5/ 3.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 12.73	− 6 42.4	2.341	3.190	11.7	19.4
8 9	23 8.12	− 7 13.8	2.278	3.205	8.7	19.2
8 19	23 1.99	− 7 53.5	2.240	3.220	5.4	19.0
8 29	22 54.86	− 8 37.6	2.228	3.234	1.9	18.8
9 8	22 47.43	− 9 21.6	2.245	3.248	1.9	18.8
9 18	22 40.40	−10 1.2	2.290	3.263	5.3	19.1
9 28	22 34.45	−10 32.9	2.363	3.277	8.5	19.3
10 8	22 30.09	−10 54.0	2.460	3.291	11.2	19.5

521581 2015 PG_{283} 9 3.6 38.°16 6.°0/29.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 15.27	−20 35.8	1.618	2.504	14.2	20.5
8 9	23 10.66	−21 35.1	1.576	2.519	10.8	20.4
8 19	23 3.81	−22 32.7	1.556	2.534	7.6	20.2
8 29	22 55.54	−23 20.5	1.561	2.549	6.0	20.2
9 8	22 46.93	−23 51.5	1.591	2.565	7.3	20.3
9 18	22 39.05	−24 1.6	1.645	2.582	10.2	20.5
9 28	22 32.89	−23 49.9	1.723	2.599	13.2	20.7
10 8	22 29.05	−23 18.2	1.821	2.616	15.9	21.0

19978 1989 TN_6 9 3.6 58.°76 0.°7/ 3.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 13.76	− 4 13.7	1.257	2.132	18.1	18.2
8 9	23 10.02	− 5 14.8	1.205	2.145	13.6	17.9
8 19	23 3.67	− 6 34.7	1.174	2.158	8.5	17.7
8 29	22 55.56	− 8 5.7	1.165	2.172	2.9	17.4
9 8	22 46.90	− 9 37.1	1.181	2.186	2.9	17.5
9 18	22 39.00	−10 58.5	1.223	2.200	8.2	17.8
9 28	22 33.02	−12 2.0	1.287	2.214	13.0	18.1
10 8	22 29.69	−12 43.5	1.373	2.228	17.0	18.4

374697 2006 RP_{37} 9 3.6 3.°83 3.°7/ 1.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
7 30	23 7.03	−10 48.6	0.885	1.803	19.7	19.5
8 9	23 5.85	−11 40.2	0.837	1.801	14.8	19.2
8 19	23 1.49	−12 46.3	0.807	1.801	9.2	18.9
8 29	22 54.86	−13 56.3	0.796	1.802	4.2	18.7
9 8	22 47.44	−14 57.6	0.806	1.806	5.8	18.8
9 18	22 40.88	−15 39.5	0.836	1.812	11.2	19.1
9 28	22 36.62	−15 55.5	0.885	1.820	16.4	19.4
10 8	22 35.52	−15 44.6	0.952	1.829	20.9	19.7

172807 2004 GC_{16} 9 3.6 238.°72 3.°9/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.47	−16 11.8	2.009	2.882	12.4	20.0
8 9	23 9.84	−17 4.1	1.941	2.880	9.3	19.8
8 19	23 3.27	−17 59.5	1.897	2.878	6.1	19.6
8 29	22 55.39	−18 51.9	1.879	2.876	3.9	19.4
9 8	22 47.01	−19 34.9	1.888	2.874	5.1	19.5
9 18	22 39.07	−20 3.8	1.924	2.872	8.2	19.7
9 28	22 32.43	−20 15.6	1.985	2.869	11.3	19.9
10 8	22 27.73	−20 9.9	2.068	2.867	14.1	20.1

186825 2004 FD_{37} 9 3.6 77.°83 1.°3/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.96	− 8 11.5	1.484	2.352	16.2	20.7
8 9	23 12.77	− 8 45.0	1.433	2.370	12.1	20.5
8 19	23 5.20	− 9 29.3	1.403	2.387	7.5	20.3
8 29	22 56.07	−10 18.3	1.398	2.404	2.7	20.0
9 8	22 46.53	−11 4.6	1.419	2.421	3.0	20.1
9 18	22 37.74	−11 42.0	1.466	2.438	7.6	20.4
9 28	22 30.77	−12 5.9	1.537	2.455	11.9	20.7
10 8	22 26.29	−12 14.1	1.630	2.472	15.4	21.0

44163 1998 HH_{148} 9 3.6 71.°30 0.°3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.96	− 5 29.0	1.352	2.220	17.5	19.4
8 9	23 12.93	− 5 58.8	1.304	2.239	13.2	19.2
8 19	23 5.36	− 6 43.1	1.276	2.258	8.2	19.0
8 29	22 56.14	− 7 35.9	1.272	2.278	2.9	18.7
9 8	22 46.50	− 8 29.4	1.293	2.297	2.5	18.7
9 18	22 37.69	− 9 16.2	1.340	2.317	7.6	19.1
9 28	22 30.83	− 9 50.4	1.410	2.336	12.1	19.4
10 8	22 26.60	−10 9.0	1.502	2.355	15.9	19.7

479767 2014 EX_{26} 9 3.6 257.°98 2.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.54	−11 34.7	1.956	2.819	13.1	22.2
8 9	23 11.60	−12 13.3	1.867	2.801	9.8	21.9
8 19	23 4.55	−12 59.3	1.801	2.783	6.2	21.7
8 29	22 55.92	−13 47.6	1.761	2.765	2.8	21.4
9 8	22 46.58	−14 32.0	1.748	2.746	3.7	21.5
9 18	22 37.52	−15 6.7	1.763	2.726	7.5	21.7
9 28	22 29.73	−15 27.7	1.805	2.706	11.3	21.8
10 8	22 23.99	−15 32.8	1.868	2.686	14.7	22.0

284961 2010 ET_{140} 9 3.6 110.°60 4.°3/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.84	+ 5 45.0	1.992	2.793	15.2	20.7
8 9	23 11.53	+ 6 3.9	1.921	2.805	12.3	20.5
8 19	23 4.30	+ 6 5.7	1.871	2.817	9.0	20.3
8 29	22 55.77	+ 5 50.8	1.846	2.829	5.8	20.2
9 8	22 46.77	+ 5 21.8	1.848	2.841	4.3	20.1
9 18	22 38.22	+ 4 43.0	1.877	2.852	6.0	20.2
9 28	22 30.99	+ 4 0.0	1.933	2.863	9.1	20.4
10 8	22 25.71	+ 3 18.5	2.013	2.873	12.1	20.6

482303 2011 UJ_{92} 9 3.6 312.°50 0.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.06	− 6 1.1	1.847	2.704	14.0	21.7
8 9	23 9.69	− 6 16.4	1.768	2.697	10.6	21.5
8 19	23 3.29	− 6 42.5	1.711	2.691	6.7	21.2
8 29	22 55.44	− 7 15.9	1.679	2.685	2.4	20.9
9 8	22 47.00	− 7 51.5	1.674	2.679	2.0	20.9
9 18	22 38.94	− 8 24.1	1.697	2.673	6.4	21.2
9 28	22 32.20	− 8 49.0	1.745	2.668	10.4	21.4
10 8	22 27.48	− 9 2.8	1.816	2.663	13.8	21.6

192215 2007 MH_{19} 9 3.6 291.°79 0.°7/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.37	− 2 20.4	4.261	5.084	7.3	20.4
8 9	23 2.13	− 2 38.1	4.167	5.076	5.6	20.3
8 19	22 58.06	− 3 2.1	4.099	5.068	3.7	20.1
8 29	22 53.45	− 3 30.8	4.059	5.060	1.6	20.0
9 8	22 48.61	− 4 2.2	4.048	5.052	1.0	19.9
9 18	22 43.91	− 4 34.2	4.067	5.045	2.9	20.1
9 28	22 39.68	− 5 4.5	4.115	5.037	4.9	20.2
10 8	22 36.25	− 5 31.0	4.190	5.029	6.8	20.3

339129 2004 RG_{329} 9 3.6 334.°26 4.°8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.16	+ 4 50.3	1.400	2.240	18.5	20.3
8 9	23 8.16	+ 5 5.5	1.320	2.230	15.0	20.1
8 19	23 2.67	+ 4 57.7	1.259	2.219	11.0	19.8
8 29	22 55.31	+ 4 26.7	1.219	2.210	6.9	19.6
9 8	22 47.09	+ 3 36.3	1.203	2.201	4.8	19.4
9 18	22 39.25	+ 2 33.1	1.211	2.193	7.5	19.6
9 28	22 33.00	+ 1 26.2	1.242	2.186	11.7	19.8
10 8	22 29.27	+ 0 24.6	1.295	2.180	15.9	20.0

270873 2002 TM_{131} 9 3.6 299.°25 0.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.60	− 4 38.9	1.421	2.285	17.0	21.0
8 9	23 12.48	− 4 35.6	1.328	2.260	13.2	20.7
8 19	23 5.57	− 4 46.5	1.255	2.235	8.7	20.3
8 29	22 56.43	− 5 8.8	1.205	2.210	3.5	20.0
9 8	22 46.15	− 5 37.6	1.179	2.185	2.4	19.8
9 18	22 36.06	− 6 6.5	1.179	2.160	7.9	20.1
9 28	22 27.61	− 6 29.0	1.203	2.135	13.1	20.3
10 8	22 21.88	− 6 40.1	1.247	2.111	17.8	20.5

152617 1996 JR_{14} 9 3.6 114.°19 0.°6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.04	− 6 53.8	2.555	3.402	10.9	21.0
8 9	23 7.53	− 7 30.6	2.489	3.414	8.1	20.8
8 19	23 1.60	− 8 15.0	2.447	3.427	5.0	20.6
8 29	22 54.75	− 9 3.5	2.433	3.439	1.8	20.4
9 8	22 47.60	− 9 51.6	2.447	3.450	1.8	20.5
9 18	22 40.80	−10 35.4	2.491	3.462	5.0	20.7
9 28	22 34.97	−11 11.1	2.562	3.473	8.0	20.9
10 8	22 30.59	−11 36.5	2.658	3.484	10.6	21.1

62450 2000 SE_{208} 9 3.6 306.°97 0.°9/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.95	− 8 5.9	2.032	2.892	12.8	19.0
8 9	23 8.68	− 8 33.5	1.954	2.886	9.6	18.8
8 19	23 2.57	− 9 10.1	1.898	2.881	6.0	18.6
8 29	22 55.17	− 9 51.3	1.869	2.875	2.1	18.3
9 8	22 47.25	−10 32.2	1.867	2.870	2.4	18.3
9 18	22 39.68	−11 7.6	1.893	2.865	6.3	18.6
9 28	22 33.31	−11 33.5	1.945	2.860	9.9	18.8
10 8	22 28.77	−11 47.0	2.020	2.855	13.1	19.0

266597 2008 JX_{14} 9 3.6 68.°41 2.°3/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.10	− 8 30.6	1.430	2.308	16.2	20.8
8 9	23 10.07	− 9 39.7	1.376	2.319	12.0	20.5
8 19	23 3.63	−11 1.5	1.343	2.329	7.4	20.3
8 29	22 55.57	−12 28.0	1.334	2.340	3.0	20.1
9 8	22 46.98	−13 49.3	1.352	2.351	4.0	20.2
9 18	22 39.04	−14 56.9	1.394	2.362	8.5	20.5
9 28	22 32.85	−15 44.9	1.461	2.373	12.8	20.8
10 8	22 29.11	−16 11.0	1.548	2.384	16.4	21.0

99333 2001 VJ_{81} 9 3.6 300.°01 5.°4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.79	−14 53.4	1.233	2.129	17.0	18.7
8 9	23 11.36	−16 6.4	1.161	2.112	12.9	18.4
8 19	23 4.93	−17 29.4	1.109	2.096	8.5	18.1
8 29	22 56.19	−18 52.0	1.080	2.079	5.5	17.9
9 8	22 46.40	−20 2.1	1.074	2.063	7.3	18.0
9 18	22 37.09	−20 49.7	1.091	2.048	11.9	18.2
9 28	22 29.76	−21 9.1	1.130	2.032	16.5	18.4
10 8	22 25.47	−20 59.7	1.186	2.017	20.7	18.6

296382 2009 FF_{56} 9 3.6 63.°73 10.°5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.57	−34 54.6	1.862	2.729	13.5	19.8
8 9	23 11.75	−36 44.2	1.834	2.740	11.6	19.7
8 19	23 4.59	−38 20.2	1.829	2.752	10.6	19.7
8 29	22 55.88	−39 33.0	1.847	2.764	10.8	19.7
9 8	22 46.75	−40 15.9	1.888	2.775	12.0	19.8
9 18	22 38.36	−40 26.6	1.952	2.787	13.7	20.0
9 28	22 31.73	−40 6.5	2.035	2.799	15.6	20.1
10 8	22 27.52	−39 20.0	2.134	2.811	17.3	20.3

68921 2002 LQ_{6} 9 3.6 358.°53 0.°9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.59	− 5 39.4	1.739	2.609	14.1	18.6
8 9	23 4.90	− 6 38.7	1.669	2.607	10.6	18.4
8 19	23 0.30	− 7 52.1	1.620	2.605	6.6	18.1
8 29	22 54.36	− 9 14.0	1.597	2.604	2.3	17.9
9 8	22 47.91	−10 36.6	1.600	2.603	2.6	17.9
9 18	22 41.83	−11 52.2	1.630	2.604	6.9	18.2
9 28	22 37.03	−12 54.3	1.685	2.605	10.8	18.4
10 8	22 34.15	−13 38.7	1.762	2.607	14.3	18.6

206612 2003 WN_{94} 9 3.6 274.°43 1.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.68	− 8 8.7	1.875	2.736	13.6	20.7
8 9	23 10.22	− 8 37.4	1.790	2.723	10.3	20.5
8 19	23 3.68	− 9 16.1	1.727	2.710	6.5	20.2
8 29	22 55.62	−10 0.3	1.690	2.696	2.3	20.0
9 8	22 46.89	−10 44.4	1.680	2.683	2.6	20.0
9 18	22 38.48	−11 22.6	1.697	2.669	6.9	20.2
9 28	22 31.35	−11 50.1	1.740	2.655	10.9	20.4
10 8	22 26.27	−12 3.9	1.805	2.641	14.4	20.6

505128 2012 FU_{73} 9 3.6 153.°30 1.°7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.28	+ 0 16.0	1.714	2.550	15.8	22.2
8 9	23 11.43	− 0 14.3	1.643	2.557	12.3	22.0
8 19	23 4.40	− 1 2.6	1.593	2.563	8.2	21.7
8 29	22 55.86	− 2 5.3	1.567	2.568	3.8	21.5
9 8	22 46.75	− 3 16.2	1.569	2.573	2.2	21.4
9 18	22 38.12	− 4 28.1	1.598	2.578	6.3	21.7
9 28	22 30.98	− 5 33.6	1.653	2.582	10.5	21.9
10 8	22 26.04	− 6 27.1	1.732	2.585	14.1	22.2

321648 2010 AC_{78} 9 3.6 168.°95 2.°9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.46	+ 1 24.2	2.167	2.978	13.8	20.5
8 9	23 13.43	+ 1 45.5	2.086	2.981	10.9	20.4
8 19	23 5.49	+ 1 54.0	2.027	2.984	7.6	20.2
8 29	22 56.24	+ 1 50.8	1.994	2.987	4.3	20.0
9 8	22 46.46	+ 1 38.0	1.990	2.989	3.0	19.9
9 18	22 37.06	+ 1 19.0	2.014	2.990	5.5	20.0
9 28	22 28.89	+ 0 58.1	2.066	2.992	8.9	20.3
10 8	22 22.61	+ 0 39.3	2.143	2.992	12.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251591	2009 HQ_{10}		9 3.6	165.°33	2.°3/ 1.8	17
	h m	° ′			°	m
7 30	23 18.77	−10 15.5	1.535	2.404	15.7	21.5
8 9	23 13.56	−10 57.8	1.469	2.407	11.8	21.3
8 19	23 5.87	−11 49.8	1.426	2.410	7.3	21.0
8 29	22 56.42	−12 44.9	1.407	2.412	3.0	20.8
9 8	22 46.35	−13 35.3	1.414	2.414	3.9	20.8
9 18	22 36.87	−14 14.2	1.448	2.415	8.3	21.1
9 28	22 29.15	−14 36.9	1.506	2.416	12.6	21.4
10 8	22 23.96	−14 41.7	1.585	2.417	16.3	21.6
390308	2013 AL_{99}		9 3.6	258.°25	2.°3/29.7	16
7 30	23 5.54	−18 25.4	4.622	5.485	6.1	21.1
8 9	23 2.23	−19 6.6	4.543	5.476	4.6	21.0
8 19	22 58.13	−19 48.2	4.490	5.466	3.1	20.9
8 29	22 53.49	−20 27.7	4.467	5.457	2.3	20.8
9 8	22 48.65	−21 2.7	4.472	5.448	2.9	20.8
9 18	22 43.94	−21 31.0	4.507	5.439	4.4	20.9
9 28	22 39.70	−21 51.2	4.569	5.429	5.9	21.0
10 8	22 36.23	−22 2.4	4.656	5.420	7.3	21.1
478719	2012 UD_{53}		9 3.6	0.°81	10.°8/11.6	18
7 30	23 11.65	+14 26.1	1.282	2.083	22.0	20.8
8 9	23 8.78	+15 49.7	1.214	2.080	19.1	20.6
8 19	23 3.18	+16 44.5	1.162	2.079	15.9	20.4
8 29	22 55.54	+17 5.2	1.128	2.079	12.8	20.2
9 8	22 47.00	+16 50.7	1.115	2.080	10.9	20.1
9 18	22 38.91	+16 4.6	1.123	2.082	11.3	20.1
9 28	22 32.64	+14 55.9	1.153	2.086	13.5	20.3
10 8	22 29.13	+13 36.9	1.202	2.091	16.6	20.5
455032	2015 TN_{346}		9 3.6	52.°90	2.°8/ 7.0	18
7 30	23 9.37	+ 5 13.1	2.182	2.994	13.7	21.2
8 9	23 5.83	+ 4 40.0	2.106	3.001	10.9	21.0
8 19	23 0.70	+ 3 49.0	2.053	3.008	7.7	20.8
8 29	22 54.49	+ 2 42.4	2.024	3.015	4.5	20.6
9 8	22 47.88	+ 1 24.8	2.023	3.023	2.8	20.5
9 18	22 41.61	+ 0 2.3	2.050	3.030	5.0	20.7
9 28	22 36.39	− 1 18.6	2.104	3.038	8.2	20.9
10 8	22 32.77	− 2 31.9	2.184	3.046	11.2	21.1
518018	2015 VN_{137}		9 3.6	290.°48	3.°8/ 8.3	18
7 30	23 9.46	+ 7 52.5	2.391	3.183	13.2	21.5
8 9	23 5.86	+ 7 39.3	2.300	3.178	10.8	21.3
8 19	23 0.73	+ 7 8.5	2.231	3.172	8.0	21.1
8 29	22 54.51	+ 6 21.0	2.186	3.166	5.3	20.9
9 8	22 47.84	+ 5 19.9	2.168	3.160	3.8	20.8
9 18	22 41.40	+ 4 9.8	2.178	3.154	5.2	20.9
9 28	22 35.90	+ 2 56.5	2.216	3.149	7.9	21.1
10 8	22 31.90	+ 1 46.0	2.279	3.143	10.7	21.3
399039	2013 HB_{65}		9 3.6	34.°86	4.°6/ 8.7	18
7 30	23 10.22	+ 8 34.5	2.037	2.835	15.0	20.7
8 9	23 6.59	+ 8 32.0	1.963	2.842	12.3	20.6
8 19	23 1.24	+ 8 9.5	1.909	2.849	9.2	20.4
8 29	22 54.70	+ 7 27.9	1.879	2.857	6.2	20.2
9 8	22 47.72	+ 6 30.6	1.875	2.865	4.6	20.1
9 18	22 41.10	+ 5 22.8	1.898	2.874	5.9	20.2
9 28	22 35.64	+ 4 11.2	1.947	2.882	8.7	20.4
10 8	22 31.92	+ 3 2.5	2.021	2.891	11.6	20.6
323576	2004 TQ_{172}		9 3.6	331.°92	0.°8/ 2.9	18
7 30	23 15.86	− 9 28.3	1.915	2.776	13.4	20.1
8 9	23 11.01	− 9 26.0	1.834	2.766	10.1	19.9
8 19	23 4.12	− 9 30.1	1.775	2.757	6.4	19.6
8 29	22 55.78	− 9 37.3	1.742	2.748	2.3	19.4
9 8	22 46.86	− 9 43.6	1.737	2.740	2.3	19.3
9 18	22 38.33	− 9 45.4	1.758	2.732	6.5	19.6
9 28	22 31.12	− 9 39.5	1.806	2.725	10.3	19.8
10 8	22 25.94	− 9 24.1	1.877	2.718	13.7	20.0
378602	2008 EQ_{116}		9 3.6	70.°48	1.°4/ 2.5	17
7 30	23 16.40	− 7 25.6	1.417	2.289	16.6	21.0
8 9	23 11.73	− 8 11.4	1.367	2.306	12.4	20.8
8 19	23 4.64	− 9 9.6	1.338	2.323	7.6	20.6
8 29	22 55.95	−10 13.6	1.333	2.339	2.7	20.4
9 8	22 46.81	−11 15.0	1.354	2.356	3.2	20.4
9 18	22 38.43	−12 6.2	1.400	2.373	7.9	20.8
9 28	22 31.87	−12 41.9	1.471	2.390	12.2	21.1
10 8	22 27.82	−12 59.6	1.562	2.407	15.8	21.3
505101	2012 BJ_{105}		9 3.6	80.°52	2.°7/ 6.3	18
7 30	23 15.03	+ 1 52.2	2.318	3.132	12.9	20.5
8 9	23 9.91	+ 2 6.2	2.248	3.145	10.2	20.3
8 19	23 3.18	+ 2 7.5	2.200	3.157	7.1	20.1
8 29	22 55.38	+ 1 57.5	2.178	3.170	4.1	20.0
9 8	22 47.22	+ 1 38.7	2.184	3.183	2.8	19.9
9 18	22 39.45	+ 1 14.5	2.218	3.196	5.0	20.1
9 28	22 32.79	+ 0 49.0	2.280	3.208	8.0	20.3
10 8	22 27.78	+ 0 26.0	2.367	3.221	10.8	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
23095	1999 XP_{144}		9 3.6	124.°27	0.°8/ 4.6	18
	h m	° ′			°	m
7 30	23 12.76	− 2 39.2	2.561	3.392	11.4	18.9
8 9	23 8.10	− 2 55.8	2.488	3.401	8.7	18.7
8 19	23 2.00	− 3 22.2	2.439	3.410	5.6	18.6
8 29	22 54.95	− 3 55.9	2.417	3.419	2.4	18.4
9 8	22 47.57	− 4 33.3	2.423	3.428	1.4	18.3
9 18	22 40.51	− 5 10.7	2.459	3.436	4.6	18.5
9 28	22 34.42	− 5 44.2	2.522	3.445	7.6	18.7
10 8	22 29.80	− 6 10.8	2.611	3.452	10.3	18.9
316233	2010 OV_4		9 3.6	231.°49	2.°7/31.8	18
7 30	23 14.98	−14 26.0	2.323	3.186	11.3	21.4
8 9	23 10.01	−14 58.3	2.247	3.181	8.4	21.3
8 19	23 3.32	−15 33.9	2.195	3.176	5.4	21.1
8 29	22 55.47	−16 8.3	2.170	3.171	2.9	20.9
9 8	22 47.17	−16 36.7	2.173	3.166	3.8	20.9
9 18	22 39.22	−16 55.2	2.205	3.161	6.7	21.1
9 28	22 32.40	−17 1.3	2.263	3.155	9.8	21.3
10 8	22 27.28	−16 54.1	2.344	3.150	12.5	21.5
256864	2008 DK		9 3.6	227.°02	0.°1/ 3.7	18
7 30	23 19.04	− 5 35.4	1.663	2.516	15.5	21.4
8 9	23 13.73	− 5 46.0	1.583	2.510	11.8	21.1
8 19	23 6.01	− 6 8.6	1.524	2.502	7.6	20.9
8 29	22 56.53	− 6 39.7	1.489	2.495	2.8	20.5
9 8	22 46.31	− 7 13.8	1.482	2.487	2.1	20.5
9 18	22 36.49	− 7 45.3	1.502	2.479	7.0	20.8
9 28	22 28.24	− 8 8.8	1.547	2.470	11.5	21.0
10 8	22 22.39	− 8 20.9	1.615	2.461	15.3	21.2
449812	2014 OL_{346}		9 3.6	99.°54	3.°1/ 7.2	18
7 30	23 10.99	+ 4 52.7	2.319	3.126	13.1	21.7
8 9	23 7.00	+ 4 41.7	2.238	3.128	10.5	21.5
8 19	23 1.43	+ 4 14.9	2.179	3.131	7.5	21.3
8 29	22 54.79	+ 3 33.8	2.145	3.133	4.6	21.1
9 8	22 47.72	+ 2 41.7	2.138	3.136	3.1	21.0
9 18	22 40.95	+ 1 43.3	2.160	3.139	5.0	21.2
9 28	22 35.19	+ 0 43.9	2.209	3.141	8.0	21.4
10 8	22 30.99	− 0 11.2	2.283	3.144	10.9	21.6
86210	1999 TT_{20}		9 3.6	324.°70	0.°9/ 4.5	18
7 30	23 11.27	− 2 38.2	1.951	2.800	13.7	19.6
8 9	23 7.54	− 2 56.1	1.868	2.791	10.6	19.4
8 19	23 1.95	− 3 27.2	1.807	2.782	6.9	19.1
8 29	22 55.02	− 4 8.7	1.770	2.774	2.9	18.9
9 8	22 47.53	− 4 55.9	1.761	2.766	1.8	18.8
9 18	22 40.34	− 5 43.4	1.778	2.758	5.8	19.0
9 28	22 34.32	− 6 25.7	1.822	2.751	9.6	19.2
10 8	22 30.15	− 6 58.4	1.889	2.744	13.0	19.4
478210	2011 UC_{297}		9 3.6	224.°29	3.°2/ 7.6	18
7 30	23 11.84	+ 6 24.1	2.537	3.328	12.6	22.4
8 9	23 7.59	+ 6 7.4	2.439	3.319	10.2	22.2
8 19	23 1.81	+ 5 34.5	2.364	3.310	7.4	22.0
8 29	22 54.94	+ 4 46.7	2.315	3.300	4.7	21.8
9 8	22 47.59	+ 3 46.9	2.294	3.289	3.2	21.7
9 18	22 40.43	+ 2 39.5	2.301	3.278	4.9	21.8
9 28	22 34.18	+ 1 30.0	2.337	3.267	7.7	22.0
10 8	22 29.38	+ 0 23.8	2.399	3.255	10.6	22.1
360013	2013 AN_7		9 3.6	233.°72	1.°0/ 2.5	18
7 30	23 13.12	− 7 31.3	2.226	3.079	12.1	21.6
8 9	23 8.73	− 8 14.1	2.141	3.070	9.1	21.4
8 19	23 2.60	− 9 6.6	2.080	3.061	5.6	21.2
8 29	22 55.24	−10 4.3	2.046	3.052	2.0	20.9
9 8	22 47.36	−11 2.0	2.040	3.042	2.4	20.9
9 18	22 39.75	−11 54.2	2.063	3.032	6.0	21.2
9 28	22 33.22	−12 36.3	2.112	3.022	9.5	21.4
10 8	22 28.37	−13 5.3	2.185	3.011	12.6	21.5
80758	2000 CU_{52}		9 3.6	66.°24	3.°2/ 6.0	18
7 30	23 17.99	+ 1 27.0	1.441	2.282	18.1	18.3
8 9	23 12.92	+ 1 38.4	1.385	2.299	14.2	18.1
8 19	23 5.41	+ 1 30.7	1.349	2.316	9.8	17.9
8 29	22 56.27	+ 1 5.7	1.336	2.333	5.3	17.7
9 8	22 46.63	+ 0 28.4	1.348	2.350	3.4	17.6
9 18	22 37.71	− 0 14.8	1.386	2.367	6.8	17.9
9 28	22 30.61	− 0 56.8	1.449	2.385	11.0	18.2
10 8	22 26.04	− 1 31.7	1.534	2.402	14.8	18.5
353186	2009 RR_{67}		9 3.6	291.°29	1.°1/ 5.7	15
7 30	23 5.67	− 0 7.8	4.289	5.101	7.5	21.3
8 9	23 2.37	− 0 19.6	4.193	5.093	5.8	21.2
8 19	22 58.25	− 0 38.3	4.122	5.085	3.9	21.1
8 29	22 53.58	− 1 2.7	4.079	5.077	2.0	20.9
9 8	22 48.69	− 1 30.8	4.066	5.068	1.2	20.8
9 18	22 43.92	− 2 0.6	4.082	5.060	2.9	21.0
9 28	22 39.63	− 2 30.0	4.127	5.052	4.8	21.1
10 8	22 36.13	− 2 56.6	4.199	5.044	6.6	21.2

515665 2014 OH_{259} 9 3.6 359.°70 0.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.45	− 6 30.0	2.200	3.049	12.4	21.1
8 9	23 9.65	− 6 35.3	2.123	3.048	9.4	20.9
8 19	23 3.12	− 6 48.8	2.070	3.048	5.9	20.7
8 29	22 55.41	− 7 7.5	2.042	3.048	2.2	20.4
9 8	22 47.27	− 7 27.7	2.043	3.048	1.7	20.4
9 18	22 39.48	− 7 45.8	2.072	3.048	5.5	20.6
9 28	22 32.83	− 7 58.3	2.128	3.048	8.9	20.9
10 8	22 27.92	− 8 2.6	2.208	3.049	11.9	21.1

45704 2000 FZ_{19} 9 3.6 301.°82 3.°7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.47	−12 4.3	1.728	2.609	13.7	18.5
8 9	23 7.30	−13 34.4	1.647	2.592	10.2	18.2
8 19	23 2.00	−15 16.0	1.590	2.575	6.5	18.0
8 29	22 55.10	−17 0.8	1.558	2.559	3.8	17.8
9 8	22 47.47	−18 39.2	1.553	2.543	5.4	17.8
9 18	22 40.13	−20 2.2	1.574	2.527	9.2	18.0
9 28	22 34.11	−21 3.5	1.620	2.511	13.0	18.2
10 8	22 30.20	−21 40.2	1.686	2.496	16.4	18.4

523793 2015 OV_{79} 9 3.6 282.°97 0.°5/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.70	−27 53.8	39.448	40.308	0.8	22.1
8 9	22 52.99	−28 1.0	39.388	40.305	0.6	22.1
8 19	22 52.19	−28 7.7	39.354	40.303	0.5	22.1
8 29	22 51.35	−28 13.8	39.347	40.301	0.5	22.1
9 8	22 50.48	−28 19.1	39.369	40.298	0.6	22.1
9 18	22 49.64	−28 23.4	39.417	40.296	0.7	22.1
9 28	22 48.83	−28 26.5	39.492	40.294	0.9	22.1
10 8	22 48.11	−28 28.4	39.590	40.291	1.0	22.2

5173 Stjerneborg 9 3.6 203.°40 1.°3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.76	+ 0 39.1	2.337	3.160	12.6	18.3
8 9	23 8.37	− 0 3.8	2.249	3.155	9.8	18.1
8 19	23 2.34	− 1 1.6	2.183	3.150	6.5	17.9
8 29	22 55.15	− 2 11.3	2.144	3.145	3.0	17.7
9 8	22 47.48	− 3 28.1	2.134	3.139	1.7	17.5
9 18	22 40.06	− 4 46.2	2.153	3.132	5.0	17.8
9 28	22 33.64	− 5 59.5	2.201	3.125	8.5	18.0
10 8	22 28.81	− 7 3.2	2.273	3.117	11.5	18.2

137592 1999 VU_{153} 9 3.6 229.°25 3.°3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.34	−13 19.5	1.773	2.641	14.0	21.2
8 9	23 13.14	−14 9.0	1.695	2.632	10.5	21.0
8 19	23 5.62	−15 5.4	1.639	2.622	6.7	20.8
8 29	22 56.41	−16 1.9	1.609	2.611	3.5	20.6
9 8	22 46.50	−16 51.2	1.607	2.600	4.7	20.6
9 18	22 36.98	−17 27.2	1.631	2.588	8.5	20.8
9 28	22 28.96	−17 45.7	1.680	2.576	12.4	21.0
10 8	22 23.23	−17 45.5	1.751	2.564	15.8	21.2

72131 2000 YA_{75} 9 3.6 185.°13 3.°7/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.65	−12 33.3	1.519	2.397	15.3	19.1
8 9	23 12.07	−13 40.1	1.455	2.397	11.5	18.8
8 19	23 5.00	−14 55.7	1.412	2.397	7.3	18.6
8 29	22 56.18	−16 11.8	1.394	2.397	3.9	18.4
9 8	22 46.70	−17 19.2	1.403	2.396	5.3	18.5
9 18	22 37.78	−18 10.3	1.437	2.395	9.3	18.7
9 28	22 30.58	−18 40.2	1.495	2.394	13.4	18.9
10 8	22 25.88	−18 47.9	1.573	2.393	16.9	19.2

325085 2008 DJ_{34} 9 3.6 81.°22 0.°6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.64	− 2 33.8	1.502	2.356	16.8	21.1
8 9	23 11.78	− 3 11.7	1.450	2.377	12.7	20.9
8 19	23 4.62	− 4 6.3	1.420	2.397	8.1	20.7
8 29	22 55.97	− 5 12.0	1.413	2.418	3.2	20.5
9 8	22 46.92	− 6 21.3	1.433	2.438	2.0	20.5
9 18	22 38.57	− 7 26.3	1.479	2.458	6.8	20.8
9 28	22 31.96	− 8 20.4	1.551	2.478	11.1	21.1
10 8	22 27.73	− 8 59.3	1.645	2.498	14.8	21.4

153227 2000 YL_{58} 9 3.6 215.°28 3.°9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.80	+ 7 2.4	2.539	3.326	12.7	20.5
8 9	23 8.29	+ 7 11.5	2.448	3.322	10.4	20.3
8 19	23 2.24	+ 7 5.8	2.379	3.317	7.7	20.1
8 29	22 55.11	+ 6 45.6	2.335	3.313	5.2	20.0
9 8	22 47.52	+ 6 13.0	2.318	3.308	3.9	19.9
9 18	22 40.16	+ 5 31.3	2.330	3.303	5.2	20.0
9 28	22 33.72	+ 4 45.0	2.370	3.298	7.7	20.1
10 8	22 28.76	+ 3 58.9	2.435	3.292	10.4	20.3

519693 2013 AO_{186} 9 3.6 315.°52 3.°6/31.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.47	−13 16.5	1.670	2.551	14.0	20.9
8 9	23 8.82	−14 14.3	1.594	2.539	10.5	20.7
8 19	23 2.94	−15 19.9	1.541	2.527	6.7	20.5
8 29	22 55.44	−16 26.3	1.513	2.515	3.7	20.3
9 8	22 47.26	−17 25.3	1.511	2.503	5.1	20.3
9 18	22 39.46	−18 10.1	1.534	2.492	8.9	20.5
9 28	22 33.10	−18 36.0	1.582	2.482	12.7	20.7
10 8	22 28.97	−18 41.3	1.650	2.472	16.2	20.9

191022 2002 AL_{110} 9 3.6 163.°39 1.°9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.86	− 9 58.6	1.915	2.777	13.4	20.1
8 9	23 10.95	−10 44.4	1.846	2.780	10.0	19.9
8 19	23 4.05	−11 38.4	1.800	2.783	6.2	19.7
8 29	22 55.79	−12 35.3	1.781	2.786	2.5	19.5
9 8	22 47.02	−13 28.5	1.789	2.788	3.3	19.5
9 18	22 38.71	−14 12.5	1.825	2.790	7.1	19.8
9 28	22 31.75	−14 42.9	1.886	2.792	10.7	20.0
10 8	22 26.80	−14 57.7	1.971	2.793	13.9	20.2

73833 1996 CP_2 9 3.6 114.°91 3.°8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.16	−17 15.6	2.155	3.019	12.0	19.3
8 9	23 12.34	−18 1.7	2.103	3.036	9.0	19.1
8 19	23 4.74	−18 48.7	2.074	3.053	5.9	19.0
8 29	22 55.98	−19 30.9	2.073	3.069	3.9	18.9
9 8	22 46.92	−20 2.9	2.101	3.084	4.9	19.0
9 18	22 38.43	−20 21.1	2.155	3.099	7.6	19.2
9 28	22 31.29	−20 23.7	2.236	3.114	10.5	19.4
10 8	22 26.06	−20 11.0	2.340	3.128	13.0	19.6

93502 2000 TN_{50} 9 3.6 79.°74 7.°5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.55	−23 51.1	1.633	2.515	14.2	18.8
8 9	23 12.57	−25 12.4	1.587	2.523	11.1	18.6
8 19	23 5.18	−26 29.9	1.563	2.532	8.5	18.5
8 29	22 56.20	−27 33.9	1.565	2.540	7.5	18.4
9 8	22 46.76	−28 16.3	1.591	2.549	8.9	18.5
9 18	22 38.03	−28 32.8	1.641	2.557	11.6	18.7
9 28	22 31.09	−28 22.7	1.714	2.565	14.5	18.9
10 8	22 26.63	−27 48.8	1.806	2.574	17.1	19.1

3538 Nelsonia 9 3.6 296.°19 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.53	− 3 6.1	1.738	2.592	14.9	17.7
8 9	23 8.96	− 3 39.4	1.636	2.563	11.5	17.4
8 19	23 3.15	− 4 29.4	1.555	2.534	7.5	17.1
8 29	22 55.59	− 5 33.0	1.499	2.504	2.9	16.8
9 8	22 47.11	− 6 44.0	1.470	2.475	2.0	16.6
9 18	22 38.75	− 7 55.0	1.467	2.445	6.9	16.9
9 28	22 31.63	− 8 58.3	1.489	2.416	11.5	17.1
10 8	22 26.64	− 9 47.7	1.534	2.387	15.6	17.3

252816 2002 GL_{46} 9 3.6 122.°34 9.°6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.05	−40 14.7	2.430	3.256	12.1	20.1
8 9	23 18.31	−41 5.4	2.392	3.263	10.6	20.0
8 19	23 8.46	−41 41.1	2.376	3.270	9.7	20.0
8 29	22 57.31	−41 55.1	2.384	3.277	9.7	20.0
9 8	22 45.95	−41 43.5	2.418	3.284	10.5	20.1
9 18	22 35.44	−41 5.6	2.475	3.291	11.8	20.2
9 28	22 26.71	−40 3.6	2.554	3.297	13.3	20.3
10 8	22 20.33	−38 41.9	2.653	3.303	14.7	20.4

431285 2006 UR_{213} 9 3.6 205.°65 3.°1/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.90	+ 2 52.6	1.748	2.574	16.0	21.7
8 9	23 11.25	+ 2 46.3	1.667	2.571	12.7	21.5
8 19	23 4.41	+ 2 21.2	1.606	2.568	8.9	21.3
8 29	22 55.98	+ 1 39.0	1.569	2.564	5.0	21.0
9 8	22 46.87	+ 0 44.0	1.559	2.560	3.2	20.9
9 18	22 38.13	− 0 17.5	1.576	2.556	6.3	21.1
9 28	22 30.80	− 1 18.5	1.619	2.552	10.3	21.3
10 8	22 25.64	− 2 12.2	1.685	2.547	14.0	21.6

347905 2002 WV_{12} 9 3.6 41.°74 20.°5/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.49	+33 54.1	1.034	1.737	31.7	19.8
8 9	23 10.35	+35 56.0	0.985	1.745	29.7	19.7
8 19	23 4.67	+37 8.8	0.945	1.754	27.3	19.5
8 29	22 56.25	+37 20.8	0.914	1.764	24.8	19.4
9 8	22 46.64	+36 25.6	0.895	1.774	22.5	19.3
9 18	22 37.75	+34 25.0	0.890	1.785	20.9	19.2
9 28	22 31.45	+31 31.2	0.902	1.796	20.5	19.3
10 8	22 28.87	+28 5.5	0.932	1.808	21.3	19.4

165954 2001 XP_{46} 9 3.6 332.°38 7.°4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.81	−19 18.6	1.032	1.940	18.5	18.7
8 9	23 12.61	−20 11.6	0.971	1.926	14.3	18.4
8 19	23 5.94	−21 7.0	0.927	1.912	10.0	18.1
8 29	22 56.67	−21 53.1	0.904	1.900	7.4	17.9
9 8	22 46.34	−22 18.0	0.903	1.889	9.1	18.0
9 18	22 36.75	−22 14.3	0.923	1.879	13.5	18.2
9 28	22 29.59	−21 39.6	0.962	1.870	18.2	18.4
10 8	22 25.92	−20 37.3	1.017	1.862	22.4	18.7

38575 1999 XH_2 9 3.6 63.°60 7.°3/29.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.51	−24 29.8	1.606	2.484	14.6	17.2
8 9	23 14.70	−25 25.7	1.563	2.498	11.4	17.1
8 19	23 6.45	−26 15.9	1.543	2.511	8.6	16.9
8 29	22 56.64	−26 51.8	1.547	2.525	7.3	16.9
9 8	22 46.48	−27 6.7	1.576	2.539	8.5	17.0
9 18	22 37.20	−26 57.7	1.630	2.553	11.2	17.2
9 28	22 29.86	−26 25.0	1.707	2.567	14.1	17.4
10 8	22 25.08	−25 32.1	1.804	2.581	16.7	17.6

349194 2007 RJ_{181} 9 3.6 250.°75 2.°3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.13	+ 3 18.0	2.188	3.004	13.5	22.2
8 9	23 8.11	+ 2 44.7	2.089	2.988	10.7	22.0
8 19	23 2.31	+ 1 53.6	2.011	2.972	7.5	21.7
8 29	22 55.21	+ 0 46.7	1.960	2.956	4.0	21.5
9 8	22 47.49	− 0 31.4	1.936	2.939	2.4	21.3
9 18	22 39.96	− 1 54.7	1.941	2.921	5.3	21.5
9 28	22 33.44	− 3 16.4	1.974	2.904	8.9	21.7
10 8	22 28.62	− 4 30.2	2.031	2.886	12.3	21.9

389556 2010 SD_6 9 3.6 252.°17 1.°5/31.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.76	−14 34.8	4.529	5.385	6.3	21.6
8 9	23 3.14	−14 59.5	4.447	5.378	4.7	21.5
8 19	22 58.73	−15 25.6	4.391	5.371	3.0	21.4
8 29	22 53.79	−15 51.1	4.364	5.365	1.6	21.3
9 8	22 48.65	−16 13.7	4.367	5.358	2.1	21.3
9 18	22 43.65	−16 31.7	4.399	5.351	3.8	21.4
9 28	22 39.14	−16 43.3	4.460	5.345	5.5	21.5
10 8	22 35.41	−16 47.8	4.546	5.338	7.1	21.6

67346 2000 JB_{54} 9 3.6 193.°46 5.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.18	+10 20.8	2.134	2.907	15.2	19.7
8 9	23 11.15	+10 27.8	2.044	2.905	12.6	19.5
8 19	23 4.21	+10 14.8	1.975	2.902	9.7	19.3
8 29	22 55.90	+ 9 41.4	1.929	2.899	6.9	19.2
9 8	22 46.98	+ 8 49.9	1.911	2.895	5.3	19.0
9 18	22 38.35	+ 7 44.9	1.920	2.890	6.4	19.1
9 28	22 30.88	+ 6 32.8	1.957	2.884	9.1	19.3
10 8	22 25.26	+ 5 20.8	2.018	2.878	12.1	19.4

419795 2010 VR_{219} 9 3.6 67.°74 5.°0/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.53	−16 25.5	1.333	2.219	16.6	20.5
8 9	23 14.38	−17 16.9	1.283	2.228	12.5	20.3
8 19	23 6.47	−18 11.6	1.254	2.238	8.2	20.1
8 29	22 56.71	−19 0.6	1.249	2.248	5.2	20.0
9 8	22 46.43	−19 35.2	1.268	2.257	6.5	20.1
9 18	22 37.01	−19 49.7	1.312	2.267	10.4	20.3
9 28	22 29.68	−19 42.0	1.379	2.277	14.4	20.6
10 8	22 25.18	−19 13.3	1.465	2.287	17.9	20.9

129744 1999 CP_{108} 9 3.6 271.°58 5.°0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.17	+ 5 7.0	1.419	2.249	18.8	19.3
8 9	23 12.07	+ 5 26.1	1.334	2.237	15.3	19.0
8 19	23 5.28	+ 5 22.4	1.269	2.226	11.2	18.8
8 29	22 56.41	+ 4 55.4	1.225	2.214	7.1	18.5
9 8	22 46.55	+ 4 8.1	1.205	2.202	5.0	18.3
9 18	22 37.01	+ 3 7.0	1.210	2.190	7.8	18.5
9 28	22 29.14	+ 2 1.1	1.239	2.178	12.2	18.7
10 8	22 23.93	+ 0 59.5	1.290	2.166	16.5	18.9

46017 2001 DP_3 9 3.6 179.°35 2.°5/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.46	−14 26.2	2.715	3.574	10.0	20.7
8 9	23 8.63	−15 8.0	2.643	3.575	7.4	20.5
8 19	23 2.38	−15 52.9	2.596	3.576	4.7	20.3
8 29	22 55.17	−16 36.6	2.576	3.576	2.6	20.2
9 8	22 47.60	−17 14.7	2.586	3.576	3.5	20.3
9 18	22 40.34	−17 43.8	2.624	3.576	6.0	20.4
9 28	22 34.02	−18 1.2	2.690	3.575	8.7	20.6
10 8	22 29.14	−18 6.1	2.780	3.574	11.0	20.8

43115 1999 XG_{39} 9 3.6 329.°74 7.°9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.67	+12 51.4	1.482	2.283	19.5	18.5
8 9	23 6.32	+13 17.7	1.394	2.267	16.7	18.3
8 19	23 1.59	+13 15.5	1.323	2.251	13.4	18.0
8 29	22 55.05	+12 42.1	1.271	2.237	10.1	17.8
9 8	22 47.62	+11 38.7	1.243	2.223	8.0	17.7
9 18	22 40.44	+10 11.1	1.237	2.210	8.8	17.7
9 28	22 34.72	+ 8 29.0	1.255	2.197	11.8	17.8
10 8	22 31.39	+ 6 44.6	1.295	2.186	15.4	18.0

220977 2005 NC_6 9 3.6 294.°03 3.°3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.66	+ 3 6.4	1.502	2.343	17.5	20.6
8 9	23 9.35	+ 2 57.2	1.408	2.321	14.0	20.4
8 19	23 3.55	+ 2 25.2	1.333	2.299	9.9	20.1
8 29	22 55.79	+ 1 31.4	1.281	2.277	5.5	19.8
9 8	22 47.03	+ 0 20.5	1.253	2.255	3.5	19.6
9 18	22 38.45	− 1 0.0	1.250	2.233	7.1	19.8
9 28	22 31.34	− 2 20.3	1.272	2.212	11.9	20.0
10 8	22 26.67	− 3 31.4	1.316	2.190	16.4	20.2

479008 2012 XZ_{146} 9 3.6 299.°51 3.°1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.99	−13 0.7	1.718	2.594	14.0	21.4
8 9	23 10.64	−13 42.5	1.643	2.584	10.5	21.2
8 19	23 4.06	−14 31.0	1.591	2.575	6.7	21.0
8 29	22 55.87	−15 20.0	1.563	2.566	3.4	20.7
9 8	22 47.03	−16 2.6	1.562	2.557	4.5	20.8
9 18	22 38.61	−16 32.7	1.586	2.548	8.3	21.0
9 28	22 31.65	−16 46.4	1.636	2.539	12.2	21.2
10 8	22 26.92	−16 42.4	1.706	2.531	15.6	21.4

504333 2007 TZ_{106} 9 3.6 300.°70 4.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.12	−14 34.6	1.274	2.159	17.2	20.8
8 9	23 15.29	−15 0.4	1.203	2.148	13.1	20.5
8 19	23 7.38	−15 31.9	1.152	2.137	8.4	20.2
8 29	22 57.18	−16 1.5	1.124	2.127	4.4	20.0
9 8	22 46.03	−16 20.7	1.120	2.117	5.6	20.0
9 18	22 35.50	−16 23.4	1.141	2.107	10.3	20.3
9 28	22 27.08	−16 6.2	1.184	2.097	15.1	20.5
10 8	22 21.74	−15 29.6	1.246	2.087	19.2	20.8

312509 2009 BZ_{178} 9 3.6 220.°35 0.°5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.26	− 5 50.6	1.662	2.517	15.4	21.6
8 9	23 13.21	− 6 24.6	1.580	2.509	11.7	21.3
8 19	23 5.76	− 7 12.2	1.521	2.501	7.4	21.0
8 29	22 56.54	− 8 8.8	1.486	2.492	2.6	20.7
9 8	22 46.55	− 9 7.4	1.478	2.482	2.5	20.7
9 18	22 36.94	−10 1.0	1.498	2.472	7.3	21.0
9 28	22 28.85	−10 43.3	1.543	2.461	11.8	21.2
10 8	22 23.14	−11 10.4	1.610	2.450	15.6	21.4

437916 2002 GE_{60} 9 3.6 93.°59 5.°0/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.58	+11 33.4	2.009	2.783	16.0	21.9
8 9	23 9.79	+11 14.1	1.947	2.808	13.1	21.8
8 19	23 3.23	+10 31.9	1.905	2.833	10.0	21.6
8 29	22 55.50	+ 9 28.2	1.888	2.858	6.9	21.5
9 8	22 47.44	+ 8 7.5	1.896	2.882	5.1	21.4
9 18	22 39.89	+ 6 36.3	1.933	2.906	6.1	21.5
9 28	22 33.65	+ 5 2.4	1.997	2.929	8.7	21.7
10 8	22 29.27	+ 3 33.4	2.087	2.952	11.6	22.0

289716 2005 JZ_3 9 3.6 86.°19 4.°4/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.77	−15 4.5	1.432	2.312	16.0	20.8
8 9	23 14.31	−16 3.6	1.387	2.329	11.9	20.6
8 19	23 6.30	−17 7.0	1.363	2.347	7.7	20.4
8 29	22 56.65	−18 5.8	1.364	2.364	4.6	20.2
9 8	22 46.59	−18 51.7	1.391	2.381	5.9	20.4
9 18	22 37.39	−19 18.9	1.443	2.398	9.7	20.6
9 28	22 30.16	−19 24.8	1.519	2.414	13.5	20.9
10 8	22 25.57	−19 10.3	1.615	2.431	16.7	21.2

36988 2000 SE_{353} 9 3.6 275.°13 3.°3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.58	−13 44.7	2.129	3.001	11.8	19.5
8 9	23 7.71	−14 53.9	2.053	2.993	8.8	19.3
8 19	23 2.05	−16 9.3	2.001	2.984	5.6	19.1
8 29	22 55.13	−17 24.7	1.976	2.976	3.4	19.0
9 8	22 47.69	−18 33.2	1.979	2.968	4.6	19.0
9 18	22 40.56	−19 29.0	2.009	2.959	7.7	19.2
9 28	22 34.54	−20 8.1	2.065	2.951	10.9	19.4
10 8	22 30.29	−20 28.6	2.142	2.942	13.7	19.6

353651 2011 UE_{117} 9 3.6 263.°60 1.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.40	− 1 34.7	2.030	2.870	13.6	20.9
8 9	23 8.37	− 2 1.1	1.945	2.863	10.5	20.7
8 19	23 2.49	− 2 41.6	1.882	2.855	6.9	20.5
8 29	22 55.30	− 3 33.4	1.845	2.848	3.0	20.2
9 8	22 47.56	− 4 31.4	1.836	2.841	1.7	20.1
9 18	22 40.10	− 5 30.0	1.854	2.833	5.6	20.4
9 28	22 33.79	− 6 23.3	1.899	2.826	9.4	20.6
10 8	22 29.28	− 7 6.7	1.967	2.818	12.8	20.8

514 Armida 9 3.6 325.°75 1.°9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.21	+ 0 16.7	2.130	2.960	13.4	13.8
8 9	23 8.10	+ 0 7.9	2.048	2.958	10.4	13.6
8 19	23 2.26	− 0 14.6	1.989	2.955	7.1	13.4
8 29	22 55.20	− 0 48.9	1.954	2.953	3.6	13.2
9 8	22 47.65	− 1 31.0	1.947	2.951	2.2	13.1
9 18	22 40.41	− 2 16.4	1.968	2.949	5.2	13.3
9 28	22 34.27	− 2 59.8	2.016	2.947	8.7	13.5
10 8	22 29.85	− 3 36.8	2.088	2.945	11.9	13.7

149554 2003 KF_{28} 9 3.6 223.°09 4.°7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.19	−20 33.2	2.415	3.284	10.7	20.8
8 9	23 9.47	−21 35.0	2.344	3.278	8.2	20.6
8 19	23 3.06	−22 37.0	2.299	3.272	5.8	20.4
8 29	22 55.48	−23 33.0	2.280	3.265	4.7	20.4
9 8	22 47.45	−24 17.5	2.290	3.258	5.8	20.4
9 18	22 39.75	−24 46.5	2.326	3.251	8.2	20.6
9 28	22 33.14	−24 57.7	2.388	3.244	10.7	20.7
10 8	22 28.22	−24 51.1	2.471	3.236	13.1	20.9

212262 2005 JL_{115} 9 3.6 4.°68 2.°6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.21	−10 50.7	1.792	2.665	13.6	20.5
8 9	23 8.39	−11 52.6	1.725	2.665	10.1	20.3
8 19	23 2.56	−13 3.3	1.680	2.666	6.3	20.0
8 29	22 55.33	−14 16.5	1.662	2.666	2.9	19.8
9 8	22 47.57	−15 24.4	1.670	2.666	4.1	19.9
9 18	22 40.24	−16 20.4	1.705	2.667	7.8	20.1
9 28	22 34.27	−16 59.7	1.765	2.668	11.5	20.4
10 8	22 30.32	−17 20.2	1.846	2.669	14.7	20.6

446464 2014 JK_{72} 9 3.6 251.°25 2.°5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.94	+ 2 9.3	2.093	2.915	13.8	21.3
8 9	23 8.73	+ 1 59.9	2.006	2.909	11.0	21.1
8 19	23 2.71	+ 1 34.9	1.940	2.902	7.6	20.9
8 29	22 55.40	+ 0 56.1	1.900	2.895	4.2	20.7
9 8	22 47.52	+ 0 7.2	1.887	2.888	2.6	20.6
9 18	22 39.92	− 0 46.8	1.901	2.882	5.4	20.7
9 28	22 33.44	− 1 40.2	1.943	2.875	9.0	20.9
10 8	22 28.73	− 2 27.7	2.009	2.867	12.2	21.1

306302 2011 SO_{58} 9 3.6 281.°56 1.°2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.12	− 0 40.5	1.905	2.746	14.3	21.5
8 9	23 8.22	− 1 12.4	1.827	2.745	11.1	21.3
8 19	23 2.42	− 2 0.2	1.771	2.743	7.3	21.1
8 29	22 55.29	− 3 0.6	1.740	2.742	3.2	20.8
9 8	22 47.62	− 4 8.0	1.736	2.741	1.8	20.7
9 18	22 40.30	− 5 15.9	1.759	2.739	5.8	21.0
9 28	22 34.21	− 6 17.9	1.809	2.738	9.7	21.2
10 8	22 30.01	− 7 8.7	1.883	2.737	13.1	21.4

373748 2002 TM_{130} 9 3.6 338.°98 3.°6/ 6.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.88	+ 1 50.2	1.187	2.052	19.7	20.7
8 9	23 8.37	+ 1 57.5	1.114	2.041	15.7	20.4
8 19	23 3.07	+ 1 40.9	1.058	2.031	11.0	20.1
8 29	22 55.66	+ 1 1.6	1.023	2.022	6.0	19.9
9 8	22 47.30	+ 0 4.9	1.011	2.014	3.8	19.7
9 18	22 39.38	− 1 0.5	1.021	2.007	7.8	19.9
9 28	22 33.31	− 2 4.6	1.054	2.001	13.0	20.2
10 8	22 30.07	− 2 58.2	1.107	1.996	17.6	20.4

455664 2005 CU_5 9 3.6 129.°50 5.°0/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.57	+ 0 5.2	1.274	2.104	20.6	20.6
8 9	23 24.55	+ 1 26.6	1.208	2.113	16.4	20.3
8 19	23 13.15	+ 2 33.6	1.161	2.122	11.6	20.1
8 29	22 59.31	+ 3 23.8	1.138	2.130	6.9	19.8
9 8	22 44.57	+ 3 57.0	1.140	2.138	5.2	19.8
9 18	22 30.69	+ 4 15.5	1.170	2.145	8.8	20.0
9 28	22 19.29	+ 4 24.4	1.224	2.152	13.4	20.3
10 8	22 11.36	+ 4 29.8	1.300	2.158	17.6	20.6

72624 2001 FH_{27} 9 3.6 337.°24 0.°7/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.90	− 5 5.5	1.764	2.614	14.9	19.3
8 9	23 12.71	− 4 57.8	1.689	2.613	11.4	19.1
8 19	23 5.31	− 5 0.5	1.635	2.612	7.4	18.9
8 29	22 56.37	− 5 11.2	1.606	2.610	3.0	18.6
9 8	22 46.82	− 5 25.8	1.604	2.609	1.9	18.5
9 18	22 37.73	− 5 40.0	1.630	2.608	6.3	18.8
9 28	22 30.11	− 5 49.6	1.681	2.608	10.5	19.1
10 8	22 24.69	− 5 51.4	1.755	2.607	14.0	19.3

337142 1999 TG_{226} 9 3.6 41.°75 1.°4/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.13	−10 45.4	1.387	2.260	16.9	19.8
8 9	23 15.35	−10 37.8	1.336	2.275	12.7	19.6
8 19	23 6.98	−10 37.0	1.306	2.290	7.9	19.3
8 29	22 56.93	−10 38.5	1.300	2.306	2.9	19.1
9 8	22 46.47	−10 37.2	1.320	2.323	3.0	19.1
9 18	22 36.89	−10 29.2	1.365	2.340	7.8	19.5
9 28	22 29.34	−10 11.8	1.435	2.358	12.2	19.8
10 8	22 24.50	− 9 44.0	1.526	2.376	15.9	20.1

290169 2005 RO_{21} 9 3.6 335.°72 4.°3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.29	+ 4 29.0	1.340	2.185	18.9	20.1
8 9	23 8.40	+ 4 30.9	1.263	2.176	15.3	19.8
8 19	23 2.96	+ 4 8.0	1.205	2.169	11.0	19.6
8 29	22 55.60	+ 3 20.9	1.168	2.162	6.6	19.3
9 8	22 47.39	+ 2 14.7	1.155	2.155	4.3	19.2
9 18	22 39.59	+ 0 57.5	1.166	2.150	7.4	19.3
9 28	22 33.46	− 0 20.6	1.200	2.145	12.0	19.6
10 8	22 29.91	− 1 30.1	1.256	2.140	16.3	19.8

311527 2005 YL_{34} 9 3.6 235.°95 3.°2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.86	−15 12.7	2.531	3.397	10.4	20.7
8 9	23 7.66	−16 14.9	2.453	3.389	7.7	20.6
8 19	23 1.91	−17 21.0	2.400	3.381	5.0	20.4
8 29	22 55.09	−18 25.9	2.375	3.372	3.2	20.2
9 8	22 47.82	−19 23.9	2.378	3.363	4.3	20.3
9 18	22 40.81	−20 10.7	2.409	3.353	6.9	20.5
9 28	22 34.75	−20 42.9	2.467	3.344	9.7	20.6
10 8	22 30.20	−20 59.1	2.547	3.334	12.1	20.8

421202 2013 RO_{90} 9 3.6 64.°40 1.°1/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.53	− 2 50.5	1.355	2.215	17.9	20.7
8 9	23 12.79	− 3 0.7	1.299	2.228	13.7	20.5
8 19	23 5.48	− 3 27.7	1.263	2.241	8.9	20.3
8 29	22 56.43	− 4 7.4	1.251	2.255	3.7	20.0
9 8	22 46.84	− 4 53.2	1.263	2.268	2.2	19.9
9 18	22 37.98	− 5 37.9	1.300	2.282	7.2	20.3
9 28	22 31.02	− 6 14.7	1.362	2.295	11.9	20.6
10 8	22 26.70	− 6 39.2	1.445	2.309	15.8	20.9

305880 2009 FS_{15} 9 3.7 53.°16 0.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.69	− 4 1.2	1.869	2.718	14.2	21.0
8 9	23 10.14	− 4 14.4	1.798	2.721	10.8	20.8
8 19	23 3.62	− 4 39.7	1.748	2.724	7.0	20.6
8 29	22 55.74	− 5 13.8	1.723	2.728	2.8	20.4
9 8	22 47.35	− 5 51.8	1.726	2.731	1.8	20.3
9 18	22 39.40	− 6 28.5	1.756	2.734	6.0	20.6
9 28	22 32.77	− 6 59.2	1.812	2.738	9.9	20.8
10 8	22 28.14	− 7 20.0	1.891	2.741	13.2	21.0

73842 1996 HO_{22} 9 3.7 179.°64 3.°2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.83	+ 5 46.3	2.280	3.080	13.5	19.9
8 9	23 8.47	+ 5 28.0	2.196	3.081	10.9	19.7
8 19	23 2.47	+ 4 52.5	2.133	3.082	7.8	19.5
8 29	22 55.30	+ 4 1.4	2.095	3.082	4.8	19.4
9 8	22 47.68	+ 2 58.2	2.085	3.082	3.2	19.3
9 18	22 40.33	+ 1 48.1	2.103	3.082	5.2	19.4
9 28	22 34.04	+ 0 37.2	2.149	3.081	8.2	19.6
10 8	22 29.37	− 0 28.8	2.221	3.079	11.2	19.8

80548 2000 AW_{85} 9 3.7 303.°07 0.°5/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.13	− 3 25.5	1.376	2.244	17.2	19.4
8 9	23 9.89	− 3 50.5	1.290	2.224	13.3	19.1
8 19	23 3.99	− 4 34.2	1.223	2.204	8.7	18.7
8 29	22 56.03	− 5 33.0	1.179	2.185	3.4	18.4
9 8	22 47.05	− 6 39.6	1.160	2.165	2.3	18.3
9 18	22 38.35	− 7 45.3	1.166	2.147	7.9	18.5
9 28	22 31.28	− 8 41.1	1.194	2.128	13.1	18.8
10 8	22 26.84	− 9 20.8	1.244	2.110	17.7	19.0

359401 2010 JB_{40} 9 3.7 25.°31 4.°3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.89	−13 2.3	0.680	1.609	22.7	19.3
8 9	23 10.52	−13 32.2	0.660	1.627	16.8	19.1
8 19	23 4.42	−14 10.9	0.655	1.649	10.5	18.8
8 29	22 56.02	−14 46.8	0.667	1.673	5.0	18.7
9 8	22 47.30	−15 8.8	0.699	1.699	6.2	18.9
9 18	22 40.11	−15 10.4	0.749	1.727	11.7	19.3
9 28	22 35.83	−14 49.4	0.818	1.757	16.8	19.7
10 8	22 35.01	−14 7.8	0.903	1.788	21.1	20.1

319952 2007 BN_{36} 9 3.7 114.°81 3.°0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.43	−14 34.8	2.329	3.195	11.1	21.0
8 9	23 8.82	−15 26.2	2.268	3.204	8.3	20.8
8 19	23 2.61	−16 21.0	2.231	3.212	5.3	20.6
8 29	22 55.33	−17 14.0	2.221	3.220	3.1	20.5
9 8	22 47.71	−17 59.9	2.239	3.228	4.1	20.6
9 18	22 40.48	−18 34.5	2.285	3.236	6.9	20.8
9 28	22 34.36	−18 55.2	2.357	3.243	9.7	21.0
10 8	22 29.88	−19 0.8	2.452	3.251	12.2	21.1

261906 2006 JG_{30} 9 3.7 69.°48 2.°4/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.83	+ 1 56.3	1.258	2.108	19.6	20.7
8 9	23 12.29	+ 1 23.4	1.212	2.132	15.2	20.5
8 19	23 5.15	+ 0 26.6	1.184	2.156	10.2	20.3
8 29	22 56.30	− 0 49.1	1.179	2.180	4.9	20.1
9 8	22 47.03	− 2 14.8	1.199	2.204	2.7	20.0
9 18	22 38.61	− 3 40.3	1.244	2.227	7.2	20.3
9 28	22 32.20	− 4 56.1	1.314	2.251	11.8	20.7
10 8	22 28.48	− 5 55.7	1.404	2.274	15.8	21.0

361970 2008 JV_{37} 9 3.7 52.°60 3.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.69	+ 5 12.1	2.204	3.013	13.7	21.2
8 9	23 6.91	+ 4 55.9	2.125	3.016	10.9	21.0
8 19	23 1.50	+ 4 22.6	2.067	3.019	7.8	20.8
8 29	22 54.96	+ 3 34.0	2.034	3.023	4.7	20.6
9 8	22 47.99	+ 2 33.7	2.028	3.026	3.1	20.6
9 18	22 41.33	+ 1 27.0	2.049	3.029	5.1	20.7
9 28	22 35.72	+ 0 19.8	2.098	3.032	8.3	20.9
10 8	22 31.73	− 0 42.3	2.172	3.036	11.2	21.1

132154 2002 CQ_{307} 9 3.7 330.°35 5.°2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.42	−13 25.9	1.075	1.981	18.1	18.8
8 9	23 9.11	−14 40.3	1.011	1.968	13.6	18.5
8 19	23 3.71	−16 7.4	0.965	1.955	8.8	18.2
8 29	22 55.96	−17 36.0	0.941	1.943	5.3	17.9
9 8	22 47.19	−18 52.8	0.939	1.932	7.2	18.0
9 18	22 38.98	−19 46.6	0.959	1.922	12.1	18.3
9 28	22 32.90	−20 10.6	0.999	1.913	17.1	18.5
10 8	22 29.96	−20 4.0	1.056	1.906	21.4	18.8

421550 2014 OA_{186} 9 3.7 249.°65 3.°8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.67	−18 3.6	2.502	3.371	10.4	21.2
8 9	23 8.28	−18 58.0	2.428	3.364	7.8	21.0
8 19	23 2.32	−19 53.9	2.379	3.356	5.3	20.8
8 29	22 55.26	−20 46.1	2.356	3.349	3.9	20.7
9 8	22 47.77	−21 29.6	2.362	3.341	4.9	20.8
9 18	22 40.58	−22 0.1	2.396	3.333	7.4	20.9
9 28	22 34.39	−22 15.3	2.455	3.325	10.0	21.1
10 8	22 29.77	−22 14.6	2.537	3.317	12.4	21.3

205687 2001 YY_{100} 9 3.7 137.°92 2.°3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.98	− 8 51.9	1.436	2.310	16.3	20.4
8 9	23 12.42	− 9 52.7	1.375	2.315	12.2	20.1
8 19	23 5.31	−11 6.3	1.335	2.320	7.6	19.9
8 29	22 56.42	−12 24.8	1.319	2.324	3.1	19.6
9 8	22 46.90	−13 38.9	1.329	2.329	4.0	19.7
9 18	22 37.99	−14 40.1	1.364	2.333	8.7	20.0
9 28	22 30.87	−15 22.5	1.424	2.336	13.1	20.3
10 8	22 26.32	−15 43.6	1.505	2.340	16.8	20.5

274920 2009 SS_{154} 9 3.7 263.°97 1.°9/ 2.2 17

7 30	23 18.03	−10 11.0	1.672	2.538	14.8	21.3
8 9	23 13.13	−10 39.4	1.588	2.523	11.2	21.0
8 19	23 5.80	−11 16.9	1.525	2.508	7.0	20.7
8 29	22 56.65	−11 58.4	1.487	2.493	2.8	20.4
9 8	22 46.69	−12 37.1	1.476	2.477	3.4	20.4
9 18	22 37.07	−13 7.0	1.492	2.461	7.9	20.7
9 28	22 28.96	−13 23.2	1.532	2.445	12.3	20.9
10 8	22 23.23	−13 23.6	1.595	2.429	16.1	21.1

11988 1995 WB 9 3.7 280.°15 1.°2/ 2.5 18

7 30	23 13.86	− 7 43.4	1.785	2.649	14.1	18.0
8 9	23 9.79	− 8 23.1	1.702	2.636	10.7	17.7
8 19	23 3.58	− 9 14.5	1.641	2.624	6.7	17.5
8 29	22 55.81	−10 12.4	1.605	2.611	2.4	17.2
9 8	22 47.35	−11 10.4	1.596	2.599	2.8	17.2
9 18	22 39.20	−12 1.7	1.614	2.586	7.2	17.4
9 28	22 32.39	−12 40.8	1.658	2.574	11.3	17.6
10 8	22 27.67	−13 4.2	1.723	2.561	14.9	17.9

152382 2005 UO_{205} 9 3.7 351.°85 0.°3/ 3.4 18

7 30	23 11.19	− 5 40.3	1.764	2.628	14.2	20.0
8 9	23 7.69	− 6 9.2	1.691	2.624	10.8	19.8
8 19	23 2.18	− 6 50.5	1.639	2.621	6.8	19.6
8 29	22 55.26	− 7 39.9	1.612	2.618	2.4	19.3
9 8	22 47.80	− 8 31.3	1.611	2.616	2.1	19.3
9 18	22 40.72	− 9 18.7	1.637	2.614	6.5	19.6
9 28	22 34.95	− 9 56.6	1.688	2.613	10.5	19.8
10 8	22 31.19	−10 21.2	1.762	2.613	14.0	20.0

273372 2006 UV_{262} 9 3.7 344.°31 10.°1/25.9 18

7 30	23 3.63	−20 19.4	0.909	1.839	18.2	19.2
8 9	23 3.63	−22 30.7	0.855	1.821	14.2	18.9
8 19	23 0.44	−24 48.8	0.820	1.805	11.0	18.6
8 29	22 54.80	−26 55.6	0.805	1.791	10.3	18.6
9 8	22 48.12	−28 32.8	0.809	1.780	12.9	18.7
9 18	22 42.08	−29 27.9	0.832	1.770	17.1	18.8
9 28	22 38.31	−29 36.2	0.871	1.763	21.3	19.1
10 8	22 37.82	−29 0.9	0.924	1.757	25.0	19.3

254173 2004 RT_1 9 3.7 37.°52 0.°4/ 3.3 18

7 30	23 12.73	− 6 13.8	1.924	2.782	13.5	20.6
8 9	23 8.59	− 6 40.1	1.859	2.789	10.2	20.4
8 19	23 2.60	− 7 16.7	1.816	2.797	6.4	20.2
8 29	22 55.38	− 7 59.5	1.799	2.805	2.3	20.0
9 8	22 47.74	− 8 43.2	1.809	2.813	2.0	20.0
9 18	22 40.54	− 9 22.6	1.846	2.822	6.0	20.3
9 28	22 34.61	− 9 53.3	1.910	2.831	9.7	20.5
10 8	22 30.56	−10 12.2	1.996	2.840	12.9	20.7

366109 2012 DT_{22} 9 3.7 194.°54 0.°8/ 4.8 18

7 30	23 10.61	− 0 58.8	2.854	3.677	10.5	21.6
8 9	23 6.51	− 1 36.9	2.767	3.675	8.1	21.4
8 19	23 1.11	− 2 26.0	2.703	3.673	5.3	21.2
8 29	22 54.82	− 3 23.4	2.668	3.670	2.3	21.0
9 8	22 48.16	− 4 25.3	2.662	3.666	1.3	20.9
9 18	22 41.72	− 5 27.5	2.685	3.663	4.2	21.1
9 28	22 36.08	− 6 25.6	2.737	3.659	7.1	21.3
10 8	22 31.70	− 7 16.1	2.815	3.655	9.7	21.5

403940 2012 BH_{25} 9 3.7 87.°11 4.°9/ 8.8 18

7 30	23 14.17	+ 8 46.2	2.314	3.095	13.9	20.4
8 9	23 9.45	+ 9 10.7	2.236	3.102	11.5	20.2
8 19	23 3.08	+ 9 18.7	2.180	3.110	8.8	20.1
8 29	22 55.56	+ 9 10.0	2.147	3.117	6.2	19.9
9 8	22 47.60	+ 8 46.4	2.141	3.125	4.9	19.8
9 18	22 39.97	+ 8 11.1	2.163	3.132	5.9	19.9
9 28	22 33.40	+ 7 29.1	2.212	3.140	8.3	20.1
10 8	22 28.48	+ 6 45.6	2.286	3.147	10.9	20.3

65979 1998 HX_{105} 9 3.7 67.°48 3.°0/31.9 18

7 30	23 14.73	−11 17.8	1.594	2.471	14.8	18.9
8 9	23 10.37	−12 24.4	1.545	2.487	11.0	18.7
8 19	23 3.82	−13 39.2	1.517	2.503	6.8	18.5
8 29	22 55.83	−14 54.4	1.515	2.519	3.3	18.3
9 8	22 47.43	−16 1.6	1.539	2.535	4.5	18.4
9 18	22 39.67	−16 54.1	1.589	2.551	8.3	18.7
9 28	22 33.52	−17 27.8	1.664	2.567	12.1	19.0
10 8	22 29.62	−17 41.3	1.760	2.583	15.3	19.2

47673 2000 CF_{64} 9 3.7 201.°76 4.°1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.44	+ 8 20.2	2.178	2.968	14.4	19.5
8 9	23 8.32	+ 8 7.1	2.090	2.966	11.8	19.3
8 19	23 2.46	+ 7 34.4	2.023	2.963	8.8	19.1
8 29	22 55.36	+ 6 43.1	1.981	2.960	5.8	18.9
9 8	22 47.75	+ 5 36.4	1.965	2.957	4.1	18.8
9 18	22 40.41	+ 4 19.7	1.977	2.954	5.6	18.9
9 28	22 34.15	+ 2 59.7	2.017	2.950	8.6	19.1
10 8	22 29.58	+ 1 43.2	2.082	2.946	11.6	19.2

274049 2007 RK_{315} 9 3.7 335.°31 1.°0/ 2.5 18

7 30	23 11.78	− 9 27.0	2.545	3.400	10.7	20.6
8 9	23 7.52	− 9 49.7	2.467	3.397	8.0	20.4
8 19	23 1.80	−10 18.3	2.414	3.395	5.0	20.2
8 29	22 55.08	−10 49.5	2.387	3.393	1.8	20.0
9 8	22 47.99	−11 19.4	2.389	3.391	2.2	20.0
9 18	22 41.18	−11 44.4	2.419	3.388	5.3	20.2
9 28	22 35.31	−12 1.5	2.477	3.387	8.3	20.4
10 8	22 30.90	−12 8.8	2.558	3.385	10.9	20.6

251381 2007 VE_{87} 9 3.7 78.°82 4.°4/ 6.9 17

7 30	23 18.25	+ 3 59.4	1.359	2.194	19.3	19.9
8 9	23 13.44	+ 4 16.2	1.299	2.205	15.4	19.7
8 19	23 5.99	+ 4 10.6	1.256	2.217	11.0	19.5
8 29	22 56.70	+ 3 43.3	1.236	2.228	6.6	19.3
9 8	22 46.77	+ 2 58.9	1.241	2.240	4.5	19.2
9 18	22 37.52	+ 2 4.6	1.270	2.251	7.4	19.4
9 28	22 30.16	+ 1 8.8	1.324	2.262	11.6	19.7
10 8	22 25.49	+ 0 19.3	1.399	2.274	15.6	20.0

234604 2002 AS_{43} 9 3.7 100.°32 3.°2/ 6.5 16

7 30	23 15.41	+ 3 6.0	1.732	2.558	16.1	20.8
8 9	23 10.85	+ 3 4.4	1.661	2.565	12.8	20.6
8 19	23 4.16	+ 2 44.3	1.611	2.572	9.0	20.4
8 29	22 56.01	+ 2 7.3	1.585	2.578	5.1	20.2
9 8	22 47.30	+ 1 18.0	1.585	2.585	3.3	20.1
9 18	22 39.06	+ 0 22.2	1.611	2.592	6.1	20.3
9 28	22 32.25	− 0 33.3	1.664	2.598	10.0	20.5
10 8	22 27.59	− 1 22.1	1.740	2.605	13.5	20.8

27695 1981 EW_{36} 9 3.7 357.°83 2.°9/ 6.2 18

7 30	23 13.85	+ 1 32.1	1.792	2.625	15.4	19.2
8 9	23 9.67	+ 1 37.3	1.715	2.624	12.2	19.0
8 19	23 3.44	+ 1 26.2	1.659	2.623	8.4	18.8
8 29	22 55.76	+ 1 0.3	1.627	2.623	4.6	18.6
9 8	22 47.49	+ 0 23.4	1.621	2.623	3.0	18.4
9 18	22 39.60	− 0 19.3	1.642	2.623	6.0	18.6
9 28	22 33.05	− 1 1.8	1.689	2.623	9.8	18.9
10 8	22 28.54	− 1 38.7	1.758	2.624	13.3	19.1

161037 2002 GV_{104} 9 3.7 8.°92 1.°2/ 2.6 18

7 30	23 5.91	− 3 34.2	1.211	2.098	17.8	18.7
8 9	23 4.38	− 5 1.6	1.153	2.100	13.4	18.4
8 19	23 0.40	− 6 51.9	1.116	2.103	8.3	18.1
8 29	22 54.68	− 8 56.0	1.101	2.108	2.9	17.8
9 8	22 48.32	−11 0.9	1.110	2.114	3.3	17.9
9 18	22 42.53	−12 53.6	1.144	2.121	8.6	18.2
9 28	22 38.44	−14 23.6	1.201	2.130	13.5	18.5
10 8	22 36.82	−15 25.7	1.278	2.140	17.6	18.8

169490 2002 CT_{179} 9 3.7 343.°15 2.°2/ 2.0 18

7 30	23 9.02	− 7 7.4	1.022	1.923	19.2	19.4
8 9	23 7.30	− 8 7.9	0.959	1.914	14.5	19.1
8 19	23 2.57	− 9 29.3	0.915	1.905	9.0	18.8
8 29	22 55.57	−11 2.8	0.890	1.897	3.4	18.5
9 8	22 47.61	−12 35.4	0.889	1.891	4.4	18.5
9 18	22 40.24	−13 54.5	0.909	1.886	10.3	18.8
9 28	22 34.94	−14 49.8	0.949	1.882	15.8	19.1
10 8	22 32.71	−15 17.0	1.007	1.879	20.4	19.4

367628 2009 VX_{40} 9 3.7 327.°71 4.°8/ 8.9 18

7 30	23 10.76	+ 8 47.5	2.213	3.003	14.2	20.4
8 9	23 7.06	+ 8 58.2	2.124	2.996	11.8	20.2
8 19	23 1.69	+ 8 50.9	2.055	2.990	9.0	20.0
8 29	22 55.10	+ 8 25.6	2.010	2.984	6.3	19.9
9 8	22 47.99	+ 7 44.5	1.992	2.979	4.8	19.8
9 18	22 41.12	+ 6 51.6	2.000	2.973	5.9	19.8
9 28	22 35.27	+ 5 52.4	2.035	2.968	8.5	20.0
10 8	22 31.06	+ 4 53.2	2.094	2.963	11.4	20.2

408317 2013 GU_{43} 9 3.7 93.°62 0.°7/ 2.9 14 C

7 30	23 12.53	− 7 0.8	2.352	3.203	11.6	22.0
8 9	23 8.10	− 7 37.9	2.288	3.216	8.7	21.8
8 19	23 2.16	− 8 23.2	2.248	3.228	5.4	21.6
8 29	22 55.21	− 9 12.7	2.235	3.241	1.9	21.4
9 8	22 47.94	−10 1.9	2.250	3.254	2.0	21.5
9 18	22 41.05	−10 46.0	2.294	3.266	5.4	21.7
9 28	22 35.22	−11 21.5	2.365	3.278	8.5	21.9
10 8	22 30.94	−11 45.7	2.461	3.290	11.2	22.1

309093 2006 VA_{124} 9 3.7 137.°08 2.°8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.76	−14 17.7	2.379	3.241	11.1	20.9
8 9	23 9.81	−15 2.4	2.315	3.249	8.2	20.8
8 19	23 3.25	−15 50.4	2.276	3.257	5.2	20.6
8 29	22 55.62	−16 36.9	2.264	3.264	2.9	20.4
9 8	22 47.65	−17 16.9	2.281	3.272	3.8	20.5
9 18	22 40.06	−17 46.5	2.325	3.278	6.6	20.7
9 28	22 33.59	−18 2.9	2.397	3.285	9.5	20.9
10 8	22 28.77	−18 5.5	2.491	3.291	12.0	21.1

125424 2001 VA_{113} 9 3.7 321.°92 2.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.31	−12 11.7	1.444	2.325	15.8	19.2
8 9	23 12.07	−12 42.5	1.373	2.316	12.0	18.9
8 19	23 5.22	−13 21.3	1.322	2.308	7.5	18.7
8 29	22 56.48	−14 1.5	1.295	2.300	3.5	18.4
9 8	22 46.97	−14 35.6	1.294	2.292	4.4	18.5
9 18	22 37.97	−14 57.3	1.317	2.285	8.9	18.7
9 28	22 30.72	−15 2.1	1.364	2.278	13.3	18.9
10 8	22 26.08	−14 48.9	1.431	2.272	17.2	19.2

442283 2011 RL_{10} 9 3.7 309.°12 1.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.96	− 2 25.7	1.805	2.650	14.8	21.4
8 9	23 10.54	− 2 26.4	1.723	2.643	11.5	21.2
8 19	23 4.03	− 2 40.4	1.663	2.637	7.6	21.0
8 29	22 56.00	− 3 5.3	1.628	2.631	3.4	20.7
9 8	22 47.33	− 3 36.9	1.620	2.625	2.0	20.6
9 18	22 39.02	− 4 10.1	1.638	2.619	6.1	20.8
9 28	22 32.05	− 4 39.8	1.683	2.613	10.2	21.1
10 8	22 27.15	− 5 1.5	1.750	2.608	13.8	21.3

177251 2003 WD_{12} 9 3.7 229.°03 1.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.66	− 2 27.8	1.782	2.622	15.2	21.0
8 9	23 13.45	− 2 36.1	1.695	2.612	11.8	20.7
8 19	23 5.94	− 2 58.5	1.629	2.602	7.8	20.5
8 29	22 56.74	− 3 32.4	1.588	2.591	3.4	20.2
9 8	22 46.76	− 4 13.0	1.574	2.579	2.0	20.1
9 18	22 37.10	− 4 54.7	1.588	2.567	6.4	20.3
9 28	22 28.84	− 5 31.8	1.629	2.555	10.8	20.6
10 8	22 22.81	− 5 59.5	1.692	2.542	14.6	20.8

477011 2008 YJ_{150} 9 3.7 287.°34 2.°7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.80	−11 2.2	1.780	2.652	13.8	21.4
8 9	23 9.87	−11 56.2	1.692	2.631	10.4	21.1
8 19	23 3.73	−13 0.3	1.626	2.610	6.5	20.8
8 29	22 55.94	−14 8.4	1.585	2.589	3.0	20.6
9 8	22 47.36	−15 12.9	1.571	2.568	4.1	20.6
9 18	22 39.02	−16 6.5	1.584	2.547	8.2	20.8
9 28	22 31.99	−16 43.8	1.621	2.525	12.2	21.0
10 8	22 27.10	−17 1.8	1.680	2.504	15.8	21.2

395019 2009 CR_3 9 3.7 172.°00 1.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.42	−10 41.2	2.235	3.092	11.9	22.1
8 9	23 10.44	−11 21.2	2.163	3.094	8.9	21.9
8 19	23 3.73	−12 7.7	2.115	3.096	5.5	21.7
8 29	22 55.83	−12 55.9	2.093	3.098	2.3	21.5
9 8	22 47.50	−13 40.7	2.101	3.099	3.0	21.6
9 18	22 39.54	−14 17.4	2.136	3.100	6.3	21.8
9 28	22 32.73	−14 42.5	2.199	3.101	9.6	22.0
10 8	22 27.67	−14 54.2	2.285	3.101	12.4	22.2

97141 1999 VT_{133} 9 3.7 204.°09 4.°2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.60	+ 9 24.4	2.458	3.231	13.4	20.6
8 9	23 9.04	+ 9 14.6	2.363	3.226	11.0	20.4
8 19	23 2.87	+ 8 46.9	2.289	3.221	8.4	20.2
8 29	22 55.54	+ 8 1.6	2.241	3.214	5.7	20.0
9 8	22 47.71	+ 7 1.5	2.219	3.207	4.2	19.9
9 18	22 40.10	+ 5 51.0	2.227	3.200	5.4	20.0
9 28	22 33.44	+ 4 35.8	2.263	3.192	8.0	20.2
10 8	22 28.34	+ 3 22.2	2.325	3.183	10.8	20.3

295521 2008 RA_{114} 9 3.7 254.°33 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.32	− 6 21.1	2.004	2.854	13.4	22.1
8 9	23 11.51	− 6 48.6	1.910	2.836	10.2	21.8
8 19	23 4.65	− 7 27.1	1.838	2.817	6.5	21.6
8 29	22 56.26	− 8 12.8	1.793	2.799	2.3	21.3
9 8	22 47.15	− 9 0.5	1.775	2.779	2.1	21.2
9 18	22 38.26	− 9 44.6	1.785	2.759	6.4	21.5
9 28	22 30.55	−10 19.9	1.822	2.739	10.4	21.7
10 8	22 24.80	−10 43.0	1.883	2.718	13.9	21.8

194876 2002 AD_{58} 9 3.7 104.°79 1.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.62	− 1 35.1	1.777	2.617	15.2	20.2
8 9	23 11.68	− 1 45.1	1.710	2.626	11.7	20.0
8 19	23 4.65	− 2 9.5	1.664	2.636	7.7	19.8
8 29	22 56.21	− 2 45.4	1.643	2.645	3.5	19.5
9 8	22 47.27	− 3 27.9	1.649	2.654	2.0	19.4
9 18	22 38.83	− 4 11.4	1.683	2.663	6.0	19.7
9 28	22 31.85	− 4 50.2	1.742	2.672	10.0	20.0
10 8	22 26.97	− 5 19.9	1.825	2.680	13.4	20.2

514000 2014 HM_{153} 9 3.7 32.°63 0.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.38	− 4 56.9	1.775	2.634	14.4	21.3
8 9	23 8.52	− 5 31.6	1.708	2.639	10.9	21.1
8 19	23 2.68	− 6 19.2	1.664	2.644	6.9	20.8
8 29	22 55.49	− 7 15.0	1.644	2.650	2.5	20.6
9 8	22 47.81	− 8 12.9	1.651	2.656	2.0	20.5
9 18	22 40.59	− 9 6.5	1.685	2.663	6.3	20.8
9 28	22 34.71	− 9 50.2	1.745	2.669	10.3	21.1
10 8	22 30.83	−10 20.4	1.827	2.676	13.7	21.3

323058 2002 RZ_{267} 9 3.7 44.°61 5.°1/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.78	+ 5 58.2	1.154	1.999	21.4	20.6
8 9	23 11.03	+ 6 5.2	1.108	2.019	17.1	20.4
8 19	23 4.53	+ 5 43.7	1.079	2.039	12.4	20.2
8 29	22 56.19	+ 4 55.5	1.070	2.060	7.6	20.0
9 8	22 47.33	+ 3 47.3	1.084	2.082	5.1	19.9
9 18	22 39.33	+ 2 28.8	1.121	2.104	7.7	20.1
9 28	22 33.40	+ 1 11.0	1.182	2.127	12.0	20.4
10 8	22 30.26	+ 0 3.3	1.264	2.150	16.1	20.7

200051 2008 OE_{10} 9 3.7 326.°20 1.°0/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.71	− 1 14.0	3.914	4.733	8.0	19.6
8 9	23 3.30	− 1 23.1	3.822	4.727	6.2	19.5
8 19	22 58.99	− 1 39.2	3.755	4.720	4.1	19.3
8 29	22 54.06	− 2 0.9	3.715	4.714	2.0	19.2
9 8	22 48.90	− 2 26.1	3.704	4.708	1.2	19.1
9 18	22 43.87	− 2 52.8	3.723	4.702	3.1	19.2
9 28	22 39.38	− 3 18.5	3.771	4.696	5.2	19.4
10 8	22 35.75	− 3 41.0	3.845	4.691	7.2	19.5

337326 2001 DT_{11} 9 3.7 295.°24 1.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.15	− 7 26.1	1.691	2.559	14.6	20.3
8 9	23 9.59	− 8 18.0	1.592	2.529	11.1	20.0
8 19	23 3.71	− 9 24.7	1.515	2.499	7.0	19.7
8 29	22 56.00	−10 41.1	1.463	2.469	2.6	19.4
9 8	22 47.34	−11 59.4	1.437	2.439	3.3	19.3
9 18	22 38.80	−13 11.0	1.438	2.409	8.0	19.6
9 28	22 31.54	−14 8.6	1.463	2.378	12.5	19.8
10 8	22 26.52	−14 47.1	1.510	2.348	16.6	19.9

170572 2003 XR_5 9 3.7 265.°75 4.°6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.18	+ 4 16.4	1.522	2.348	17.9	20.0
8 9	23 12.69	+ 4 39.6	1.440	2.341	14.5	19.8
8 19	23 5.65	+ 4 42.7	1.377	2.333	10.6	19.5
8 29	22 56.70	+ 4 25.4	1.336	2.326	6.6	19.3
9 8	22 46.87	+ 3 50.5	1.321	2.318	4.7	19.1
9 18	22 37.40	+ 3 3.6	1.331	2.310	7.3	19.3
9 28	22 29.53	+ 2 12.3	1.366	2.303	11.5	19.5
10 8	22 24.17	+ 1 24.3	1.422	2.295	15.5	19.7

94242 2001 CE_9 9 3.7 132.°57 0.°7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.63	− 8 25.7	2.510	3.357	11.1	19.3
8 9	23 9.63	− 8 44.2	2.439	3.364	8.3	19.1
8 19	23 3.12	− 9 9.1	2.391	3.371	5.2	19.0
8 29	22 55.62	− 9 37.0	2.371	3.377	1.8	18.7
9 8	22 47.76	−10 4.3	2.380	3.383	1.9	18.8
9 18	22 40.26	−10 27.3	2.418	3.389	5.2	19.0
9 28	22 33.78	−10 43.2	2.483	3.395	8.2	19.2
10 8	22 28.83	−10 50.1	2.574	3.400	10.9	19.4

478819 2012 VN_{18} 9 3.7 355.°86 0.°2/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.41	− 4 38.4	1.270	2.152	17.5	20.3
8 9	23 7.03	− 5 14.5	1.204	2.147	13.3	20.0
8 19	23 2.13	− 6 8.8	1.158	2.143	8.4	19.8
8 29	22 55.38	− 7 15.7	1.134	2.141	3.1	19.4
9 8	22 47.91	− 8 26.4	1.134	2.139	2.5	19.4
9 18	22 40.96	− 9 31.6	1.158	2.139	7.9	19.7
9 28	22 35.74	−10 23.0	1.205	2.140	12.9	20.0
10 8	22 33.06	−10 55.7	1.271	2.142	17.1	20.3

34777 2001 RH 9 3.7 282.°76 14.°4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.05	+38 48.5	2.676	3.184	17.3	18.4
8 9	23 16.38	+40 37.5	2.555	3.148	16.7	18.2
8 19	23 8.18	+42 5.8	2.448	3.111	15.9	18.1
8 29	22 57.78	+43 6.7	2.356	3.073	15.2	17.9
9 8	22 45.91	+43 34.7	2.283	3.035	14.6	17.8
9 18	22 33.64	+43 26.8	2.228	2.996	14.4	17.7
9 28	22 22.24	+42 43.7	2.194	2.957	14.7	17.7
10 8	22 12.86	+41 30.9	2.179	2.916	15.4	17.7

260390 2004 VX_{70} 9 3.7 153.°68 7.°1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.03	−30 27.9	2.535	3.395	10.5	20.2
8 9	23 10.85	−31 35.0	2.485	3.398	8.7	20.1
8 19	23 3.96	−32 35.0	2.459	3.400	7.4	20.0
8 29	22 55.93	−33 21.5	2.459	3.403	7.1	20.0
9 8	22 47.54	−33 49.8	2.486	3.405	8.1	20.1
9 18	22 39.61	−33 57.2	2.538	3.408	9.8	20.2
9 28	22 32.88	−33 43.6	2.613	3.410	11.7	20.4
10 8	22 27.93	−33 10.6	2.708	3.412	13.4	20.5

441756 2009 CU_{14} 9 3.7 218.°94 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.67	− 6 25.6	2.188	3.034	12.5	22.2
8 9	23 10.74	− 6 47.2	2.104	3.028	9.5	21.9
8 19	23 4.01	− 7 18.0	2.044	3.022	6.0	21.7
8 29	22 56.00	− 7 54.6	2.010	3.015	2.2	21.5
9 8	22 47.47	− 8 32.5	2.004	3.009	1.9	21.4
9 18	22 39.24	− 9 7.2	2.027	3.001	5.7	21.7
9 28	22 32.14	− 9 34.4	2.077	2.994	9.3	21.9
10 8	22 26.81	− 9 51.4	2.151	2.986	12.4	22.1

204601 2005 GJ_{179} 9 3.7 179.°55 8.°3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.23	−33 56.5	2.514	3.365	10.9	21.2
8 9	23 12.67	−35 31.4	2.468	3.367	9.3	21.1
8 19	23 5.20	−36 57.1	2.446	3.368	8.4	21.1
8 29	22 56.42	−38 6.3	2.451	3.368	8.4	21.1
9 8	22 47.17	−38 53.3	2.481	3.368	9.5	21.1
9 18	22 38.35	−39 15.3	2.536	3.367	11.1	21.2
9 28	22 30.84	−39 12.2	2.612	3.366	12.8	21.4
10 8	22 25.26	−38 46.5	2.707	3.364	14.3	21.5

159972 2006 BS_{92} 9 3.7 205.°55 0.°6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.70	− 6 57.8	2.745	3.590	10.3	21.0
8 9	23 7.41	− 7 34.6	2.662	3.586	7.7	20.9
8 19	23 1.75	− 8 19.0	2.603	3.582	4.8	20.7
8 29	22 55.13	− 9 7.9	2.572	3.578	1.7	20.4
9 8	22 48.14	− 9 57.0	2.570	3.573	1.8	20.4
9 18	22 41.38	−10 42.4	2.597	3.568	4.9	20.6
9 28	22 35.47	−11 20.4	2.652	3.563	7.8	20.8
10 8	22 30.90	−11 48.6	2.733	3.557	10.4	21.0

319289 2006 BV_{87} 9 3.7 193.°75 0.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.28	− 7 52.9	2.692	3.539	10.4	22.1
8 9	23 7.85	− 8 25.7	2.611	3.537	7.8	21.9
8 19	23 2.02	− 9 5.6	2.556	3.535	4.8	21.7
8 29	22 55.23	− 9 49.1	2.528	3.534	1.7	21.5
9 8	22 48.07	−10 32.2	2.529	3.531	1.9	21.5
9 18	22 41.17	−11 11.0	2.559	3.529	5.0	21.7
9 28	22 35.15	−11 42.3	2.617	3.526	7.9	21.9
10 8	22 30.52	−12 3.5	2.699	3.523	10.5	22.1

165614 2001 FC_{96} 9 3.7 182.°31 0.°2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.25	− 3 44.3	2.385	3.223	11.9	21.0
8 9	23 8.76	− 4 42.8	2.304	3.224	9.0	20.9
8 19	23 2.68	− 5 53.4	2.248	3.224	5.7	20.7
8 29	22 55.50	− 7 11.8	2.218	3.224	2.0	20.4
9 8	22 47.87	− 8 32.4	2.218	3.223	1.7	20.4
9 18	22 40.52	− 9 49.3	2.248	3.221	5.3	20.6
9 28	22 34.17	−10 57.2	2.306	3.219	8.7	20.8
10 8	22 29.38	−11 52.3	2.389	3.217	11.6	21.0

293916 2007 SQ_{13} 9 3.7 346.°78 0.°8/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.45	− 8 13.7	1.767	2.628	14.3	20.9
8 9	23 11.66	− 8 29.1	1.694	2.627	10.8	20.7
8 19	23 4.72	− 8 53.5	1.644	2.626	6.8	20.5
8 29	22 56.28	− 9 22.8	1.619	2.625	2.4	20.2
9 8	22 47.28	− 9 51.7	1.621	2.624	2.4	20.2
9 18	22 38.73	−10 15.2	1.649	2.624	6.8	20.5
9 28	22 31.63	−10 29.1	1.704	2.623	10.8	20.7
10 8	22 26.68	−10 31.0	1.781	2.623	14.3	21.0

479661 2014 DM_{67} 9 3.7 284.°01 3.°7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.08	−13 33.6	1.737	2.613	13.9	21.4
8 9	23 10.97	−14 34.1	1.648	2.589	10.5	21.1
8 19	23 4.52	−15 43.1	1.582	2.566	6.8	20.8
8 29	22 56.30	−16 53.6	1.541	2.542	3.9	20.6
9 8	22 47.21	−17 57.4	1.526	2.518	5.2	20.7
9 18	22 38.36	−18 47.0	1.538	2.494	9.1	20.8
9 28	22 30.88	−19 17.1	1.574	2.469	13.1	21.0
10 8	22 25.65	−19 25.8	1.631	2.445	16.7	21.2

195044 2002 CX_{65} 9 3.7 248.°77 5.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.69	−20 33.5	1.729	2.606	13.8	20.1
8 9	23 13.50	−21 28.8	1.665	2.603	10.6	19.9
8 19	23 5.95	−22 23.8	1.623	2.599	7.5	19.7
8 29	22 56.75	−23 10.6	1.607	2.595	5.8	19.6
9 8	22 46.95	−23 41.6	1.616	2.591	7.1	19.6
9 18	22 37.71	−23 52.3	1.651	2.587	10.2	19.8
9 28	22 30.11	−23 40.8	1.710	2.583	13.4	20.0
10 8	22 24.90	−23 8.5	1.789	2.579	16.4	20.2

315080 2007 DM_{65} 9 3.7 237.°92 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.87	− 3 55.9	2.345	3.187	11.9	21.8
8 9	23 7.78	− 4 28.7	2.261	3.181	9.1	21.6
8 19	23 2.10	− 5 12.5	2.200	3.176	5.8	21.4
8 29	22 55.30	− 6 4.0	2.165	3.170	2.2	21.1
9 8	22 48.05	− 6 58.7	2.159	3.164	1.5	21.1
9 18	22 41.05	− 7 51.7	2.182	3.158	5.2	21.3
9 28	22 35.04	− 8 38.2	2.232	3.152	8.6	21.5
10 8	22 30.58	− 9 14.8	2.306	3.146	11.5	21.7

509285 2006 VE_{32} 9 3.7 319.°11 1.°1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.19	− 2 43.3	1.189	2.068	18.7	21.5
8 9	23 8.86	− 2 55.1	1.104	2.043	14.6	21.2
8 19	23 3.65	− 3 27.8	1.036	2.019	9.7	20.8
8 29	22 56.11	− 4 18.6	0.990	1.995	4.1	20.4
9 8	22 47.37	− 5 20.6	0.967	1.972	2.5	20.3
9 18	22 38.85	− 6 24.3	0.966	1.950	8.4	20.6
9 28	22 32.12	− 7 19.7	0.987	1.930	14.2	20.8
10 8	22 28.33	− 7 58.9	1.027	1.910	19.2	21.0

3709 Polypoites 9 3.7 276.°68 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.74	+ 5 11.3	4.446	5.232	7.6	16.5
8 9	23 1.76	+ 4 46.9	4.350	5.227	6.1	16.4
8 19	22 58.01	+ 4 13.6	4.278	5.222	4.4	16.2
8 29	22 53.74	+ 3 32.5	4.233	5.218	2.7	16.1
9 8	22 49.27	+ 2 45.6	4.217	5.213	1.8	16.0
9 18	22 44.91	+ 1 55.2	4.231	5.208	2.8	16.1
9 28	22 41.00	+ 1 3.8	4.275	5.204	4.6	16.2
10 8	22 37.84	+ 0 14.3	4.346	5.199	6.3	16.4

29432 Williamscott 9 3.7 65.°99 1.°3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.80	− 9 2.0	2.062	2.922	12.6	18.7
8 9	23 9.28	− 9 35.7	2.002	2.935	9.4	18.6
8 19	23 3.03	−10 16.9	1.965	2.948	5.8	18.4
8 29	22 55.63	−11 1.1	1.955	2.960	2.2	18.2
9 8	22 47.87	−11 43.1	1.972	2.973	2.6	18.2
9 18	22 40.57	−12 18.1	2.017	2.986	6.1	18.5
9 28	22 34.51	−12 42.6	2.088	2.999	9.5	18.7
10 8	22 30.23	−12 54.4	2.182	3.012	12.4	18.9

82392 2001 MQ_{28} 9 3.7 1.°40 1.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.05	− 2 8.2	1.125	2.006	19.3	18.6
8 9	23 7.78	− 2 26.6	1.063	2.004	14.9	18.4
8 19	23 2.74	− 3 6.7	1.020	2.003	9.8	18.1
8 29	22 55.67	− 4 4.2	0.998	2.003	4.1	17.8
9 8	22 47.83	− 5 10.6	0.998	2.004	2.4	17.7
9 18	22 40.58	− 6 16.0	1.021	2.006	8.0	18.0
9 28	22 35.27	− 7 10.9	1.067	2.010	13.2	18.3
10 8	22 32.76	− 7 48.8	1.132	2.015	17.8	18.6

257050 2008 FX_{79} 9 3.7 17.°93 1.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.95	− 9 20.8	1.852	2.717	13.6	20.4
8 9	23 9.66	− 9 44.9	1.785	2.720	10.2	20.2
8 19	23 3.40	−10 17.1	1.740	2.723	6.3	20.0
8 29	22 55.81	−10 52.7	1.721	2.727	2.4	19.7
9 8	22 47.75	−11 26.3	1.729	2.731	2.7	19.8
9 18	22 40.14	−11 53.1	1.764	2.735	6.7	20.0
9 28	22 33.87	−12 9.2	1.824	2.740	10.4	20.3
10 8	22 29.59	−12 12.4	1.907	2.745	13.6	20.5

438826 2009 BR_{1} 9 3.7 190.°15 4.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.09	+ 7 11.4	2.324	3.106	13.8	21.0
8 9	23 11.75	+ 7 34.4	2.235	3.105	11.3	20.8
8 19	23 4.65	+ 7 41.9	2.168	3.104	8.5	20.6
8 29	22 56.28	+ 7 33.7	2.126	3.102	5.8	20.5
9 8	22 47.37	+ 7 11.6	2.112	3.100	4.4	20.4
9 18	22 38.72	+ 6 38.6	2.126	3.097	5.8	20.5
9 28	22 31.15	+ 5 59.6	2.168	3.094	8.5	20.6
10 8	22 25.28	+ 5 19.6	2.235	3.090	11.3	20.8

130740 2000 SH_{251} 9 3.7 33.°70 2.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.04	− 8 8.0	1.022	1.920	19.5	18.8
8 9	23 10.08	− 9 11.9	0.979	1.932	14.5	18.6
8 19	23 4.12	−10 32.0	0.955	1.944	8.9	18.3
8 29	22 56.13	−11 58.3	0.951	1.958	3.5	18.1
9 8	22 47.55	−13 18.1	0.971	1.972	4.6	18.2
9 18	22 39.87	−14 21.1	1.013	1.987	9.9	18.6
9 28	22 34.43	−15 0.3	1.076	2.003	14.9	18.9
10 8	22 31.96	−15 14.1	1.158	2.020	19.0	19.2

137786 1999 XE_{237} 9 3.7 218.°82 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.90	− 8 18.9	1.848	2.704	14.0	21.3
8 9	23 12.81	− 8 57.3	1.766	2.696	10.6	21.1
8 19	23 5.52	− 9 46.1	1.707	2.688	6.6	20.8
8 29	22 56.65	−10 40.3	1.674	2.679	2.5	20.5
9 8	22 47.10	−11 33.5	1.668	2.670	2.9	20.5
9 18	22 37.90	−12 19.4	1.690	2.660	7.1	20.8
9 28	22 30.08	−12 53.0	1.738	2.650	11.2	21.0
10 8	22 24.40	−13 11.5	1.809	2.638	14.7	21.2

9907 Oileus 9 3.7 291.°31 0.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.33	− 6 38.4	4.347	5.187	6.9	18.8
8 9	23 2.22	− 7 8.1	4.260	5.182	5.2	18.6
8 19	22 58.31	− 7 42.7	4.199	5.176	3.2	18.5
8 29	22 53.87	− 8 20.0	4.166	5.171	1.1	18.3
9 8	22 49.22	− 8 57.9	4.163	5.167	1.1	18.3
9 18	22 44.70	− 9 34.1	4.189	5.162	3.1	18.5
9 28	22 40.65	−10 6.4	4.245	5.157	5.1	18.6
10 8	22 37.37	−10 32.9	4.327	5.152	6.8	18.8

412437 2014 FW_{21} 9 3.7 199.°87 1.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.36	+ 0 7.1	2.370	3.189	12.5	22.3
8 9	23 10.40	− 0 9.8	2.281	3.185	9.8	22.1
8 19	23 3.77	− 0 39.6	2.216	3.181	6.6	21.9
8 29	22 55.95	− 1 20.1	2.177	3.176	3.2	21.7
9 8	22 47.64	− 2 7.6	2.166	3.170	1.9	21.6
9 18	22 39.58	− 2 57.5	2.185	3.164	5.0	21.8
9 28	22 32.54	− 3 45.1	2.232	3.157	8.3	22.0
10 8	22 27.13	− 4 26.0	2.303	3.149	11.3	22.2

509883 2009 BA_{65} 9 3.7 191.°85 2.°2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.64	+ 0 43.8	2.451	3.261	12.4	22.4
8 9	23 12.04	+ 0 51.7	2.363	3.260	9.8	22.2
8 19	23 4.78	+ 0 48.1	2.298	3.258	6.8	22.0
8 29	22 56.33	+ 0 34.4	2.260	3.255	3.6	21.8
9 8	22 47.40	+ 0 13.0	2.250	3.252	2.4	21.7
9 18	22 38.73	− 0 12.9	2.270	3.248	4.9	21.9
9 28	22 31.10	− 0 39.1	2.319	3.244	8.1	22.0
10 8	22 25.10	− 1 2.1	2.393	3.239	10.9	22.2

22521 ZZ Top 9 3.7 74.°88 2.°5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.41	+ 2 26.2	1.410	2.255	18.2	19.5
8 9	23 10.51	+ 1 55.5	1.348	2.265	14.3	19.2
8 19	23 4.19	+ 1 1.5	1.305	2.274	9.7	19.0
8 29	22 56.17	− 0 12.1	1.285	2.285	4.9	18.8
9 8	22 47.55	− 1 37.6	1.291	2.295	2.8	18.6
9 18	22 39.53	− 3 5.6	1.321	2.305	6.8	18.9
9 28	22 33.22	− 4 26.6	1.377	2.315	11.4	19.2
10 8	22 29.37	− 5 33.3	1.455	2.325	15.4	19.5

123290 Manoa 9 3.7 33.°63 10.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.85	−31 1.3	1.402	2.278	16.5	18.3
8 9	23 17.76	−31 57.9	1.363	2.287	13.6	18.2
8 19	23 8.70	−32 41.3	1.345	2.297	11.2	18.0
8 29	22 57.76	−33 1.0	1.349	2.307	10.4	18.0
9 8	22 46.45	−32 50.3	1.376	2.317	11.6	18.1
9 18	22 36.30	−32 7.8	1.426	2.328	14.0	18.3
9 28	22 28.53	−30 56.5	1.497	2.340	16.7	18.5
10 8	22 23.82	−29 22.9	1.587	2.352	19.2	18.7

401740 2013 JP_{37} 9 3.7 115.°38 4.°8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.93	−19 7.8	2.417	3.289	10.6	20.8
8 9	23 7.81	−20 47.6	2.363	3.299	8.0	20.6
8 19	23 2.11	−22 28.5	2.335	3.308	5.7	20.5
8 29	22 55.34	−24 3.5	2.334	3.317	4.8	20.5
9 8	22 48.18	−25 25.9	2.363	3.326	6.0	20.5
9 18	22 41.36	−26 30.7	2.419	3.335	8.3	20.7
9 28	22 35.59	−27 15.2	2.500	3.344	10.7	20.9
10 8	22 31.41	−27 39.2	2.602	3.352	12.8	21.1

47788 2000 EB_{26} 9 3.7 272.°81 0.°5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.98	− 7 1.1	2.435	3.285	11.3	19.1
8 9	23 7.83	− 7 29.3	2.351	3.278	8.5	18.9
8 19	23 2.14	− 8 5.7	2.291	3.271	5.3	18.7
8 29	22 55.36	− 8 47.0	2.258	3.263	1.9	18.5
9 8	22 48.14	− 9 28.9	2.252	3.256	1.8	18.5
9 18	22 41.18	−10 7.3	2.276	3.249	5.3	18.7
9 28	22 35.17	−10 38.2	2.327	3.242	8.5	18.9
10 8	22 30.67	−10 58.9	2.401	3.234	11.4	19.1

401577 2013 FG_{25} 9 3.7 48.°08 2.°5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.10	−14 6.7	2.091	2.955	12.3	20.4
8 9	23 11.80	−14 24.8	2.025	2.959	9.2	20.2
8 19	23 4.66	−14 45.9	1.982	2.964	5.8	20.0
8 29	22 56.28	−15 5.6	1.966	2.968	2.9	19.8
9 8	22 47.49	−15 19.3	1.977	2.973	3.6	19.9
9 18	22 39.18	−15 23.6	2.016	2.978	6.8	20.1
9 28	22 32.17	−15 16.3	2.082	2.983	10.1	20.3
10 8	22 27.06	−14 56.8	2.171	2.988	13.0	20.5

472742 2015 FA_{96} 9 3.7 178.°24 2.°4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.13	+ 0 22.1	1.787	2.617	15.5	21.2
8 9	23 12.96	+ 0 24.8	1.710	2.618	12.2	21.0
8 19	23 5.61	+ 0 12.0	1.653	2.619	8.3	20.8
8 29	22 56.69	− 0 14.4	1.621	2.619	4.3	20.5
9 8	22 47.15	− 0 50.6	1.617	2.620	2.6	20.4
9 18	22 38.02	− 1 31.2	1.639	2.619	6.1	20.6
9 28	22 30.32	− 2 10.4	1.688	2.619	10.1	20.9
10 8	22 24.80	− 2 43.1	1.760	2.618	13.7	21.1

319254 2006 AS_{83} 9 3.7 258.°61 5.°1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.97	−21 42.6	2.386	3.257	10.7	20.8
8 9	23 9.46	−22 45.8	2.314	3.247	8.3	20.7
8 19	23 3.22	−23 48.4	2.266	3.236	6.1	20.5
8 29	22 55.77	−24 44.4	2.244	3.225	5.1	20.4
9 8	22 47.84	−25 28.0	2.250	3.214	6.2	20.5
9 18	22 40.22	−25 55.1	2.283	3.204	8.6	20.6
9 28	22 33.69	−26 3.6	2.341	3.192	11.1	20.8
10 8	22 28.86	−25 53.5	2.420	3.181	13.4	20.9

357855 2005 UU_{235} 9 3.7 359.°78 1.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.31	− 9 16.5	1.789	2.661	13.7	20.4
8 9	23 7.80	−10 3.9	1.720	2.659	10.2	20.2
8 19	23 2.32	−11 1.2	1.674	2.659	6.3	19.9
8 29	22 55.46	−12 2.5	1.653	2.658	2.5	19.7
9 8	22 48.09	−13 1.0	1.658	2.659	3.3	19.7
9 18	22 41.12	−13 50.5	1.690	2.659	7.2	20.0
9 28	22 35.46	−14 26.1	1.747	2.660	11.0	20.2
10 8	22 31.78	−14 45.1	1.826	2.662	14.3	20.4

378693 2008 KE_{15} 9 3.7 58.°69 4.°8/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.82	−15 38.7	1.377	2.263	16.1	21.0
8 9	23 13.08	−16 38.2	1.331	2.276	12.1	20.8
8 19	23 5.76	−17 41.8	1.306	2.290	7.9	20.6
8 29	22 56.72	−18 40.5	1.304	2.303	4.9	20.5
9 8	22 47.22	−19 25.4	1.328	2.317	6.3	20.6
9 18	22 38.54	−19 50.7	1.377	2.332	10.0	20.9
9 28	22 31.81	−19 53.7	1.448	2.346	13.9	21.1
10 8	22 27.73	−19 35.5	1.539	2.361	17.2	21.4

193583 2001 BG_{21} 9 3.7 303.°99 1.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.82	− 9 57.1	1.650	2.520	14.7	19.8
8 9	23 11.46	−10 24.5	1.573	2.511	11.1	19.6
8 19	23 4.78	−11 1.0	1.518	2.502	7.0	19.3
8 29	22 56.43	−11 41.4	1.487	2.493	2.7	19.0
9 8	22 47.37	−12 19.2	1.483	2.485	3.3	19.1
9 18	22 38.73	−12 48.4	1.505	2.476	7.7	19.3
9 28	22 31.59	−13 4.6	1.552	2.468	11.9	19.5
10 8	22 26.74	−13 5.3	1.620	2.460	15.6	19.8

395846 2012 XV_{137} 9 3.7 321.°12 7.°0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.76	+10 40.2	1.533	2.340	18.7	20.1
8 9	23 7.95	+11 6.0	1.443	2.323	15.8	19.9
8 19	23 2.77	+11 6.2	1.371	2.307	12.4	19.6
8 29	22 55.76	+10 38.6	1.319	2.291	9.1	19.4
9 8	22 47.84	+ 9 44.6	1.291	2.276	7.1	19.3
9 18	22 40.15	+ 8 29.7	1.286	2.261	8.2	19.3
9 28	22 33.88	+ 7 2.8	1.306	2.247	11.5	19.4
10 8	22 29.95	+ 5 34.7	1.348	2.234	15.3	19.6

389501 2010 FJ_{87} 9 3.7 273.°38 7.°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 27.33	−27 4.4	1.776	2.637	14.3	20.3
8 9	23 20.09	−27 33.1	1.706	2.628	11.4	20.1
8 19	23 10.16	−27 54.0	1.658	2.618	8.8	19.9
8 29	22 58.38	−27 59.1	1.635	2.608	7.5	19.8
9 8	22 45.98	−27 42.2	1.639	2.599	8.5	19.8
9 18	22 34.31	−27 0.8	1.669	2.589	11.2	20.0
9 28	22 24.59	−25 56.2	1.724	2.579	14.2	20.1
10 8	22 17.61	−24 32.6	1.799	2.569	17.0	20.3

256933 2008 EE_{29} 9 3.7 78.°78 7.°0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.39	−28 14.3	2.142	3.004	12.1	20.3
8 9	23 14.28	−29 0.3	2.094	3.013	9.7	20.1
8 19	23 6.19	−29 39.0	2.069	3.023	7.8	20.0
8 29	22 56.84	−30 3.6	2.070	3.032	7.0	20.0
9 8	22 47.18	−30 9.3	2.098	3.041	8.0	20.1
9 18	22 38.19	−29 54.0	2.151	3.051	10.0	20.2
9 28	22 30.72	−29 18.1	2.228	3.060	12.3	20.4
10 8	22 25.36	−28 24.2	2.327	3.069	14.4	20.6

2680 Mateo 9 3.7 359.°34 1.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.30	− 8 15.1	0.995	1.897	19.5	15.4
8 9	23 9.06	− 8 20.5	0.938	1.892	14.8	15.1
8 19	23 3.71	− 8 40.1	0.899	1.889	9.4	14.8
8 29	22 56.12	− 9 8.1	0.880	1.887	3.4	14.4
9 8	22 47.67	− 9 36.3	0.883	1.888	3.3	14.4
9 18	22 39.96	− 9 56.7	0.908	1.890	9.2	14.8
9 28	22 34.45	−10 3.2	0.953	1.894	14.7	15.1
10 8	22 32.05	− 9 52.5	1.016	1.900	19.3	15.4

312407 2008 FC_{69} 9 3.7 196.°71 1.°0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.86	− 0 52.6	2.452	3.280	11.9	21.8
8 9	23 7.72	− 1 25.8	2.368	3.278	9.2	21.7
8 19	23 2.07	− 2 11.5	2.307	3.276	6.1	21.5
8 29	22 55.36	− 3 7.0	2.272	3.274	2.7	21.2
9 8	22 48.23	− 4 7.9	2.267	3.272	1.5	21.1
9 18	22 41.35	− 5 9.3	2.290	3.269	4.7	21.4
9 28	22 35.41	− 6 6.2	2.341	3.266	8.0	21.6
10 8	22 30.95	− 6 54.6	2.417	3.262	10.9	21.8

231610 2009 RK_{12} 9 3.7 289.°63 0.°1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.16	− 6 20.8	4.272	5.109	7.0	21.3
8 9	23 2.88	− 6 42.4	4.180	5.100	5.3	21.2
8 19	22 58.76	− 7 8.9	4.114	5.090	3.3	21.0
8 29	22 54.09	− 7 38.5	4.076	5.081	1.2	20.9
9 8	22 49.19	− 8 8.8	4.068	5.072	1.0	20.8
9 18	22 44.41	− 8 37.9	4.089	5.063	3.1	21.0
9 28	22 40.12	− 9 3.5	4.140	5.054	5.1	21.1
10 8	22 36.62	− 9 24.0	4.216	5.044	7.0	21.3

56528 2000 HF_{44} 9 3.7 69.°10 2.°3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.95	− 8 12.1	1.170	2.052	18.6	19.2
8 9	23 13.44	− 9 14.0	1.127	2.071	13.9	18.9
8 19	23 6.09	−10 29.9	1.103	2.090	8.5	18.7
8 29	22 56.88	−11 50.5	1.103	2.109	3.3	18.5
9 8	22 47.18	−13 5.0	1.126	2.128	4.2	18.6
9 18	22 38.41	−14 4.1	1.175	2.147	9.2	18.9
9 28	22 31.82	−14 42.0	1.245	2.165	13.9	19.2
10 8	22 28.11	−14 57.1	1.336	2.184	17.8	19.6

377575 2005 LB_{52} 9 3.7 47.°85 5.°6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.14	+ 5 45.2	1.329	2.160	19.8	20.3
8 9	23 12.71	+ 6 18.1	1.271	2.172	16.1	20.1
8 19	23 5.65	+ 6 27.2	1.231	2.185	11.8	19.9
8 29	22 56.75	+ 6 12.3	1.212	2.198	7.7	19.7
9 8	22 47.23	+ 5 37.0	1.217	2.212	5.6	19.6
9 18	22 38.39	+ 4 47.8	1.246	2.226	7.7	19.8
9 28	22 31.43	+ 3 53.4	1.300	2.240	11.6	20.0
10 8	22 27.15	+ 3 2.4	1.374	2.255	15.4	20.3

358958 2008 KP_{36} 9 3.7 115.°68 8.°4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.72	−37 4.5	2.723	3.565	10.5	21.7
8 9	23 12.13	−38 39.8	2.700	3.584	9.1	21.6
8 19	23 4.81	−40 3.4	2.700	3.603	8.4	21.6
8 29	22 56.34	−41 8.9	2.727	3.621	8.6	21.7
9 8	22 47.55	−41 51.8	2.779	3.639	9.5	21.7
9 18	22 39.27	−42 10.4	2.854	3.656	10.7	21.9
9 28	22 32.25	−42 5.3	2.950	3.673	12.1	22.0
10 8	22 27.07	−41 39.2	3.065	3.689	13.3	22.1

274067 2007 TZ_{421} 9 3.7 5.°04 25.°3/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.91	−55 15.5	0.943	1.780	25.7	19.8
8 9	23 28.03	−57 48.6	0.938	1.779	25.3	19.8
8 19	23 16.67	−59 33.7	0.944	1.779	25.5	19.8
8 29	23 0.89	−60 13.8	0.963	1.779	26.2	19.9
9 8	22 44.43	−59 41.9	0.992	1.781	27.3	20.0
9 18	22 30.97	−58 2.2	1.032	1.783	28.5	20.1
9 28	22 22.76	−55 26.8	1.082	1.785	29.8	20.2
10 8	22 20.19	−52 11.2	1.140	1.788	30.9	20.4

200384 2000 QY_{182} 9 3.7 5.°22 3.°7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.40	+ 1 39.7	0.992	1.875	21.1	19.5
8 9	23 5.25	+ 1 48.2	0.937	1.874	16.8	19.2
8 19	23 1.26	+ 1 29.8	0.899	1.876	11.7	18.9
8 29	22 55.20	+ 0 46.8	0.879	1.879	6.3	18.7
9 8	22 48.38	− 0 13.8	0.881	1.885	3.8	18.6
9 18	22 42.21	− 1 21.8	0.904	1.893	7.9	18.8
9 28	22 38.05	− 2 25.7	0.948	1.902	13.1	19.1
10 8	22 36.76	− 3 16.6	1.011	1.914	17.7	19.5

82560 2001 OE_{78} 9 3.7 24.°52 6.°3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.73	−18 27.1	1.205	2.102	17.1	18.7
8 9	23 12.67	−19 26.1	1.159	2.109	13.0	18.5
8 19	23 5.70	−20 26.4	1.133	2.116	8.9	18.3
8 29	22 56.77	−21 17.9	1.129	2.124	6.4	18.2
9 8	22 47.28	−21 50.9	1.149	2.133	7.9	18.3
9 18	22 38.67	−21 59.7	1.191	2.143	11.6	18.5
9 28	22 32.23	−21 42.8	1.255	2.153	15.5	18.8
10 8	22 28.70	−21 2.5	1.338	2.164	19.0	19.1

291201 2006 AN_{74} 9 3.7 136.°20 6.°9/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.45	−28 5.9	2.430	3.299	10.6	20.0
8 9	23 9.07	−29 38.5	2.381	3.303	8.6	19.9
8 19	23 2.98	−31 5.8	2.357	3.306	7.2	19.8
8 29	22 55.71	−32 20.7	2.360	3.309	7.0	19.8
9 8	22 48.03	−33 17.3	2.389	3.313	8.2	19.9
9 18	22 40.72	−33 52.0	2.443	3.316	10.0	20.0
9 28	22 34.58	−34 3.8	2.520	3.319	12.0	20.1
10 8	22 30.16	−33 54.0	2.617	3.321	13.8	20.3

41654 2000 SE_{295} 9 3.7 341.°68 6.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.57	−21 16.3	1.275	2.161	17.2	18.2
8 9	23 17.93	−21 50.8	1.216	2.158	13.3	18.0
8 19	23 9.11	−22 22.9	1.177	2.155	9.4	17.7
8 29	22 58.08	−22 42.9	1.161	2.153	6.9	17.6
9 8	22 46.31	−22 42.5	1.169	2.151	8.2	17.7
9 18	22 35.42	−22 17.6	1.201	2.149	11.9	17.9
9 28	22 26.86	−21 28.3	1.255	2.148	15.9	18.1
10 8	22 21.50	−20 18.3	1.328	2.147	19.5	18.4

242280 2003 UC_{100} 9 3.7 252.°28 6.°7/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.25	−24 24.4	2.045	2.917	12.2	20.6
8 9	23 12.30	−25 39.6	1.974	2.904	9.7	20.4
8 19	23 5.22	−26 52.7	1.926	2.890	7.5	20.3
8 29	22 56.60	−27 55.8	1.905	2.876	6.7	20.2
9 8	22 47.35	−28 41.5	1.910	2.862	8.0	20.3
9 18	22 38.47	−29 5.0	1.940	2.848	10.5	20.4
9 28	22 30.96	−29 4.4	1.994	2.833	13.2	20.5
10 8	22 25.55	−28 41.2	2.068	2.818	15.7	20.7

479805 2014 FN_{28} 9 3.7 145.°23 0.°4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.16	− 5 6.8	2.129	2.967	13.1	21.6
8 9	23 12.59	− 5 11.3	2.055	2.974	10.0	21.4
8 19	23 5.19	− 5 25.1	2.005	2.980	6.4	21.2
8 29	22 56.54	− 5 45.4	1.981	2.985	2.5	20.9
9 8	22 47.45	− 6 8.3	1.986	2.991	1.6	20.9
9 18	22 38.77	− 6 30.0	2.019	2.996	5.5	21.2
9 28	22 31.33	− 6 46.8	2.079	3.000	9.1	21.4
10 8	22 25.75	− 6 55.7	2.164	3.005	12.2	21.6

282121 2001 DW_6 9 3.7 236.°00 0.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.51	− 6 37.0	2.680	3.525	10.5	20.9
8 9	23 7.42	− 7 27.1	2.588	3.513	7.9	20.8
8 19	23 1.88	− 8 26.3	2.521	3.501	4.9	20.5
8 29	22 55.33	− 9 30.8	2.482	3.488	1.8	20.3
9 8	22 48.32	−10 36.1	2.472	3.475	1.9	20.3
9 18	22 41.50	−11 37.2	2.492	3.462	5.1	20.5
9 28	22 35.52	−12 29.9	2.540	3.448	8.2	20.7
10 8	22 30.89	−13 11.2	2.612	3.434	10.9	20.8

267508 2002 NN_8 9 3.7 348.°74 3.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.68	+ 1 16.3	1.454	2.313	16.9	18.6
8 9	23 4.83	+ 1 22.4	1.373	2.297	13.5	18.4
8 19	23 0.76	+ 1 8.9	1.310	2.282	9.4	18.1
8 29	22 55.02	+ 0 37.1	1.270	2.268	5.2	17.8
9 8	22 48.53	− 0 8.6	1.253	2.257	3.2	17.7
9 18	22 42.36	− 1 1.6	1.261	2.247	6.7	17.9
9 28	22 37.60	− 1 54.2	1.292	2.239	11.1	18.1
10 8	22 35.09	− 2 38.9	1.345	2.232	15.2	18.3

112820 2002 QQ_7 9 3.7 350.°20 5.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.50	−15 12.5	1.627	2.514	14.0	19.3
8 9	23 8.23	−16 49.2	1.565	2.511	10.5	19.0
8 19	23 2.76	−18 33.0	1.525	2.509	7.0	18.8
8 29	22 55.71	−20 14.4	1.512	2.507	5.0	18.7
9 8	22 48.05	−21 43.2	1.524	2.506	6.6	18.8
9 18	22 40.84	−22 51.6	1.561	2.505	10.0	19.0
9 28	22 35.10	−23 34.9	1.622	2.504	13.6	19.2
10 8	22 31.57	−23 52.3	1.703	2.504	16.6	19.4

357293 2002 UR_{62} 9 3.7 315.°54 4.°5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.16	+ 6 21.5	1.634	2.459	17.0	20.7
8 9	23 7.37	+ 6 19.2	1.539	2.437	13.9	20.5
8 19	23 2.36	+ 5 53.7	1.462	2.416	10.3	20.2
8 29	22 55.63	+ 5 4.9	1.408	2.396	6.6	19.9
9 8	22 48.06	+ 3 56.3	1.378	2.376	4.5	19.8
9 18	22 40.66	+ 2 34.5	1.374	2.356	6.8	19.9
9 28	22 34.56	+ 1 8.4	1.394	2.337	10.8	20.0
10 8	22 30.63	− 0 12.8	1.438	2.318	14.9	20.2

76335 2000 EL_{150} 9 3.7 49.°25 0.°8/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.12	− 8 1.8	1.831	2.691	14.0	19.7
8 9	23 11.36	− 8 20.6	1.762	2.693	10.6	19.5
8 19	23 4.55	− 8 48.4	1.715	2.696	6.6	19.2
8 29	22 56.34	− 9 21.1	1.693	2.699	2.4	19.0
9 8	22 47.61	− 9 53.3	1.698	2.702	2.3	19.0
9 18	22 39.35	−10 20.2	1.731	2.705	6.5	19.2
9 28	22 32.47	−10 37.5	1.789	2.708	10.4	19.5
10 8	22 27.66	−10 42.9	1.870	2.711	13.8	19.7

367308 2007 WU_5 9 3.7 296.°31 4.°3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.17	+ 2 31.2	1.334	2.179	19.0	21.1
8 9	23 12.42	+ 2 54.5	1.248	2.162	15.3	20.8
8 19	23 5.83	+ 2 56.9	1.180	2.145	11.0	20.5
8 29	22 57.00	+ 2 38.3	1.134	2.128	6.5	20.2
9 8	22 47.04	+ 2 1.8	1.111	2.112	4.4	20.0
9 18	22 37.33	+ 1 13.5	1.113	2.095	7.9	20.2
9 28	22 29.33	+ 0 22.0	1.137	2.079	12.8	20.4
10 8	22 24.14	− 0 24.1	1.183	2.063	17.4	20.7

507244 2011 BD_{80} 9 3.7 172.°55 1.°8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.42	− 9 22.4	1.949	2.805	13.4	22.6
8 9	23 12.26	−10 12.2	1.878	2.809	10.0	22.4
8 19	23 5.10	−11 11.0	1.830	2.811	6.2	22.1
8 29	22 56.55	−12 13.2	1.808	2.814	2.5	21.9
9 8	22 47.47	−13 12.2	1.815	2.815	3.2	22.0
9 18	22 38.82	−14 2.1	1.850	2.816	7.0	22.2
9 28	22 31.50	−14 38.5	1.911	2.816	10.6	22.4
10 8	22 26.20	−14 59.0	1.995	2.816	13.8	22.6

397586 2007 VF_5 9 3.7 287.°19 5.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.83	+ 9 6.6	1.892	2.687	16.1	20.9
8 9	23 9.06	+ 9 18.7	1.799	2.674	13.4	20.7
8 19	23 3.26	+ 9 9.6	1.724	2.661	10.3	20.5
8 29	22 55.93	+ 8 38.9	1.673	2.648	7.2	20.3
9 8	22 47.88	+ 7 48.6	1.647	2.635	5.4	20.1
9 18	22 40.04	+ 6 43.5	1.647	2.622	6.7	20.2
9 28	22 33.39	+ 5 30.8	1.674	2.609	9.9	20.3
10 8	22 28.70	+ 4 18.4	1.724	2.596	13.2	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
311912	2007 BF_3		9 3.7	273.°94	3.°5/ 7.2	18
	h m	° ′			°	m
7 30	23 13.84	+ 4 18.6	2.174	2.982	13.9	20.8
8 9	23 9.46	+ 4 28.9	2.087	2.977	11.2	20.6
8 19	23 3.31	+ 4 23.9	2.021	2.972	8.1	20.4
8 29	22 55.90	+ 4 4.3	1.980	2.967	5.0	20.2
9 8	22 47.94	+ 3 32.6	1.966	2.962	3.5	20.1
9 18	22 40.23	+ 2 52.9	1.979	2.957	5.5	20.2
9 28	22 33.61	+ 2 10.2	2.020	2.952	8.6	20.4
10 8	22 28.71	+ 1 29.6	2.085	2.947	11.7	20.6
4057	Demophon		9 3.7	270.°31	0.°5/ 2.8	18
7 30	23 6.29	− 8 25.9	4.512	5.354	6.6	17.5
8 9	23 2.94	− 8 47.6	4.422	5.345	4.9	17.4
8 19	22 58.81	− 9 13.1	4.358	5.337	3.1	17.2
8 29	22 54.14	− 9 40.5	4.322	5.328	1.1	17.1
9 8	22 49.27	−10 7.8	4.316	5.319	1.2	17.1
9 18	22 44.51	−10 33.0	4.340	5.310	3.1	17.2
9 28	22 40.22	−10 54.2	4.393	5.301	5.0	17.4
10 8	22 36.68	−11 10.0	4.472	5.292	6.7	17.5
357787	2005 SX_{284}		9 3.7	39.°93	5.°4/28.8	18
7 30	23 13.22	−20 2.6	1.982	2.861	12.2	20.6
8 9	23 9.12	−21 20.1	1.926	2.865	9.3	20.4
8 19	23 3.12	−22 38.0	1.893	2.869	6.7	20.3
8 29	22 55.81	−23 48.7	1.887	2.873	5.4	20.2
9 8	22 48.05	−24 45.2	1.908	2.877	6.7	20.3
9 18	22 40.74	−25 22.4	1.954	2.881	9.4	20.5
9 28	22 34.75	−25 38.2	2.024	2.886	12.2	20.7
10 8	22 30.69	−25 32.9	2.115	2.890	14.6	20.9
245287	2005 CV_{17}		9 3.7	211.°63	0.°2/ 3.5	18
7 30	23 14.88	− 5 2.8	2.388	3.227	11.8	22.2
8 9	23 10.09	− 5 40.2	2.300	3.219	9.0	22.0
8 19	23 3.64	− 6 28.0	2.235	3.212	5.7	21.7
8 29	22 56.01	− 7 22.7	2.198	3.203	2.1	21.5
9 8	22 47.87	− 8 19.6	2.189	3.194	1.7	21.4
9 18	22 39.97	− 9 13.6	2.210	3.184	5.4	21.7
9 28	22 33.07	−10 0.1	2.259	3.174	8.8	21.9
10 8	22 27.77	−10 35.7	2.333	3.163	11.7	22.1
3486	Fulchignoni		9 3.7	292.°30	2.°2/ 2.0	18
7 30	23 15.91	−10 3.2	1.525	2.400	15.5	17.3
8 9	23 11.90	−10 40.5	1.439	2.380	11.8	17.0
8 19	23 5.31	−11 29.1	1.375	2.360	7.4	16.7
8 29	22 56.76	−12 22.9	1.334	2.340	3.1	16.4
9 8	22 47.27	−13 14.2	1.319	2.320	3.9	16.4
9 18	22 38.07	−13 55.6	1.329	2.300	8.6	16.6
9 28	22 30.42	−14 21.0	1.364	2.280	13.2	16.8
10 8	22 25.29	−14 27.5	1.419	2.260	17.3	17.0
451201	2009 UJ_{24}		9 3.7	291.°73	8.°3/15.6	17
7 30	23 9.63	+23 46.5	2.469	3.149	15.5	21.6
8 9	23 6.30	+23 53.3	2.365	3.136	13.9	21.4
8 19	23 1.34	+23 35.4	2.278	3.123	12.0	21.3
8 29	22 55.18	+22 50.4	2.212	3.110	10.1	21.1
9 8	22 48.47	+21 38.8	2.169	3.097	8.7	21.0
9 18	22 41.96	+20 3.5	2.152	3.084	8.4	21.0
9 28	22 36.38	+18 10.9	2.161	3.071	9.3	21.0
10 8	22 32.38	+16 9.1	2.196	3.059	11.2	21.1
150791	2001 RB_{34}		9 3.7	217.°36	3.°3/ 6.7	18
7 30	23 16.10	+ 3 28.0	1.791	2.612	15.9	20.3
8 9	23 11.54	+ 3 26.5	1.708	2.608	12.7	20.1
8 19	23 4.81	+ 3 6.5	1.645	2.603	9.0	19.9
8 29	22 56.50	+ 2 29.1	1.606	2.598	5.2	19.6
9 8	22 47.51	+ 1 38.4	1.593	2.593	3.4	19.5
9 18	22 38.84	+ 0 40.0	1.607	2.588	6.2	19.7
9 28	22 31.53	− 0 19.0	1.648	2.582	10.1	19.9
10 8	22 26.33	− 1 12.1	1.712	2.576	13.7	20.1
55459	2001 TW_{139}		9 3.7	234.°29	3.°6/31.4	18 R
7 30	23 15.60	−12 54.1	1.733	2.606	14.0	19.6
8 9	23 11.25	−14 2.8	1.660	2.600	10.5	19.3
8 19	23 4.66	−15 19.9	1.609	2.593	6.7	19.1
8 29	22 56.45	−16 37.8	1.585	2.586	3.7	18.9
9 8	22 47.57	−17 48.1	1.587	2.579	5.0	19.0
9 18	22 39.08	−18 43.6	1.616	2.571	8.8	19.2
9 28	22 32.04	−19 19.3	1.669	2.563	12.5	19.4
10 8	22 27.22	−19 33.9	1.743	2.555	15.9	19.6
491699	2012 UX_{93}		9 3.8	336.°95	4.°8/ 7.4	18
7 30	23 13.42	+ 4 40.7	1.476	2.310	18.0	21.2
8 9	23 9.94	+ 5 5.6	1.397	2.302	14.7	21.0
8 19	23 4.02	+ 5 9.5	1.337	2.294	10.8	20.7
8 29	22 56.27	+ 4 52.1	1.298	2.287	6.8	20.5
9 8	22 47.70	+ 4 16.4	1.283	2.280	4.9	20.3
9 18	22 39.49	+ 3 27.9	1.294	2.275	7.3	20.5
9 28	22 32.83	+ 2 34.4	1.328	2.269	11.3	20.7
10 8	22 28.60	+ 1 44.2	1.384	2.265	15.3	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
193236	2000 SY_7		9 3.8	188.°89	3.°3/ 6.8	18
	h m	° ′			°	m
7 30	23 15.62	+ 3 48.0	1.911	2.727	15.2	20.9
8 9	23 11.01	+ 3 47.1	1.830	2.727	12.2	20.7
8 19	23 4.40	+ 3 28.6	1.770	2.726	8.7	20.5
8 29	22 56.34	+ 2 53.7	1.734	2.725	5.1	20.3
9 8	22 47.69	+ 2 6.2	1.725	2.724	3.4	20.2
9 18	22 39.39	+ 1 11.3	1.743	2.723	5.9	20.3
9 28	22 32.35	+ 0 15.4	1.788	2.721	9.5	20.6
10 8	22 27.30	− 0 35.4	1.856	2.719	12.9	20.8
478834	2012 VM_{39}		9 3.8	297.°63	7.°3/ 9.1	18
7 30	23 16.23	+10 11.2	1.722	2.512	17.6	21.4
8 9	23 11.98	+11 5.8	1.625	2.494	14.9	21.2
8 19	23 5.33	+11 40.5	1.548	2.475	11.9	20.9
8 29	22 56.80	+11 52.5	1.492	2.457	8.9	20.7
9 8	22 47.29	+11 41.3	1.460	2.438	7.4	20.6
9 18	22 37.91	+11 9.5	1.454	2.420	8.4	20.6
9 28	22 29.85	+10 23.1	1.472	2.402	11.4	20.7
10 8	22 24.06	+ 9 30.4	1.513	2.384	14.8	20.9
161924	2007 EZ_{86}		9 3.8	192.°30	3.°6/ 9.0	18
7 30	23 11.32	+ 9 42.9	2.970	3.735	11.5	21.3
8 9	23 7.13	+ 9 26.4	2.876	3.733	9.5	21.2
8 19	23 1.65	+ 8 54.6	2.803	3.730	7.2	21.0
8 29	22 55.28	+ 8 8.2	2.756	3.727	4.9	20.9
9 8	22 48.53	+ 7 9.6	2.737	3.724	3.7	20.8
9 18	22 41.98	+ 6 2.6	2.748	3.720	4.6	20.8
9 28	22 36.20	+ 4 51.7	2.788	3.716	6.7	21.0
10 8	22 31.65	+ 3 42.0	2.854	3.711	9.0	21.1
359585	2010 UA_{47}		9 3.8	253.°11	1.°1/ 1.4	18
7 30	23 6.84	−12 46.1	4.900	5.750	6.0	21.6
8 9	23 3.31	−13 9.3	4.809	5.737	4.5	21.5
8 19	22 59.04	−13 34.5	4.743	5.723	2.8	21.4
8 29	22 54.27	−13 59.8	4.707	5.710	1.3	21.2
9 8	22 49.29	−14 23.3	4.701	5.696	1.7	21.3
9 18	22 44.42	−14 43.2	4.724	5.683	3.3	21.4
9 28	22 39.98	−14 57.9	4.777	5.669	5.0	21.5
10 8	22 36.25	−15 6.4	4.855	5.655	6.6	21.6
441057	2007 PX_{10}		9 3.8	78.°53	6.°7/10.2	16
7 30	23 15.82	+12 8.7	1.783	2.560	17.6	21.6
8 9	23 11.21	+12 35.1	1.716	2.575	14.7	21.5
8 19	23 4.52	+12 37.8	1.668	2.590	11.6	21.3
8 29	22 56.39	+12 16.0	1.643	2.604	8.6	21.1
9 8	22 47.74	+11 32.0	1.642	2.619	6.8	21.1
9 18	22 39.57	+10 30.9	1.667	2.633	7.5	21.2
9 28	22 32.83	+ 9 20.4	1.717	2.648	10.0	21.3
10 8	22 28.21	+ 8 8.6	1.791	2.662	12.9	21.5
160639	1999 VJ_{122}		9 3.8	349.°81	2.°4/ 1.8	18
7 30	23 12.33	−10 3.3	1.392	2.278	16.0	20.1
8 9	23 9.17	−10 46.2	1.326	2.272	12.1	19.8
8 19	23 3.53	−11 40.5	1.280	2.267	7.5	19.6
8 29	22 56.09	−12 39.1	1.257	2.263	3.2	19.3
9 8	22 47.95	−13 33.8	1.259	2.259	4.0	19.3
9 18	22 40.32	−14 16.8	1.285	2.257	8.7	19.6
9 28	22 34.36	−14 42.5	1.335	2.255	13.1	19.9
10 8	22 30.89	−14 48.5	1.405	2.254	17.0	20.1
248483	2005 UG_{216}		9 3.8	357.°95	3.°9/ 7.7	18
7 30	23 10.32	+ 5 57.2	1.840	2.658	15.6	19.8
8 9	23 7.09	+ 5 48.6	1.761	2.656	12.6	19.6
8 19	23 1.96	+ 5 19.6	1.702	2.655	9.2	19.4
8 29	22 55.46	+ 4 31.4	1.667	2.654	5.7	19.2
9 8	22 48.41	+ 3 28.1	1.657	2.654	3.9	19.1
9 18	22 41.70	+ 2 15.9	1.673	2.654	5.9	19.2
9 28	22 36.20	+ 1 2.1	1.716	2.655	9.4	19.4
10 8	22 32.58	− 0 6.2	1.782	2.656	12.8	19.6
60697	2000 GG_{45}		9 3.8	268.°46	3.°4/31.9	18
7 30	23 19.05	−13 33.6	1.743	2.611	14.2	19.8
8 9	23 14.08	−14 18.9	1.651	2.588	10.8	19.5
8 19	23 6.64	−15 11.7	1.581	2.564	6.9	19.3
8 29	22 57.30	−16 5.4	1.537	2.539	3.7	19.0
9 8	22 47.02	−16 52.4	1.520	2.514	4.8	19.0
9 18	22 36.96	−17 26.1	1.529	2.488	8.9	19.2
9 28	22 28.33	−17 41.8	1.563	2.462	13.0	19.4
10 8	22 22.06	−17 38.0	1.619	2.435	16.7	19.6
445518	2010 WU_{71}		9 3.8	334.°01	0.°7/ 3.2	17
7 30	23 10.71	− 7 1.5	1.585	2.459	15.0	20.9
8 9	23 7.80	− 7 23.0	1.500	2.439	11.5	20.6
8 19	23 2.64	− 7 57.0	1.436	2.420	7.3	20.3
8 29	22 55.79	− 8 39.2	1.395	2.401	2.6	20.0
9 8	22 48.15	− 9 23.3	1.380	2.384	2.5	20.0
9 18	22 40.80	−10 2.9	1.390	2.368	7.3	20.2
9 28	22 34.84	−10 31.9	1.424	2.352	11.8	20.4
10 8	22 31.11	−10 46.3	1.479	2.338	15.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
231506	2008 RB_{43}		9 3.8	62.°33	0.°4/ 4.1	17
	h m	° ′			°	m
7 30	23 13.85	− 2 54.9	1.646	2.501	15.5	20.7
8 9	23 9.90	− 3 32.7	1.577	2.504	11.9	20.5
8 19	23 3.78	− 4 26.6	1.529	2.507	7.6	20.3
8 29	22 56.15	− 5 32.0	1.506	2.511	3.0	20.0
9 8	22 47.94	− 6 42.0	1.509	2.515	1.9	19.9
9 18	22 40.19	− 7 49.0	1.539	2.518	6.6	20.2
9 28	22 33.89	− 8 46.2	1.594	2.522	10.8	20.5
10 8	22 29.76	− 9 28.8	1.672	2.526	14.5	20.7
181788	1998 DZ_{17}		9 3.8	309.°65	1.°4/ 2.6	18
7 30	23 12.08	− 5 46.1	1.280	2.161	17.5	20.6
8 9	23 9.32	− 6 44.9	1.204	2.147	13.3	20.3
8 19	23 3.84	− 8 3.6	1.147	2.133	8.4	20.0
8 29	22 56.30	− 9 35.4	1.113	2.120	3.0	19.7
9 8	22 47.79	−11 9.8	1.103	2.107	3.4	19.7
9 18	22 39.67	−12 35.5	1.118	2.094	8.9	20.0
9 28	22 33.28	−13 42.9	1.156	2.082	14.1	20.2
10 8	22 29.61	−14 26.3	1.213	2.071	18.6	20.5
55422	2001 TW_{30}		9 3.8	269.°92	2.°5/ 1.2	18
7 30	23 13.08	−11 26.2	2.067	2.933	12.3	19.3
8 9	23 9.03	−12 20.3	1.987	2.924	9.2	19.0
8 19	23 3.13	−13 22.1	1.932	2.915	5.8	18.8
8 29	22 55.90	−14 26.1	1.902	2.906	2.8	18.6
9 8	22 48.13	−15 25.7	1.901	2.896	3.7	18.7
9 18	22 40.65	−16 15.4	1.926	2.887	7.1	18.9
9 28	22 34.32	−16 50.7	1.978	2.878	10.6	19.0
10 8	22 29.80	−17 9.4	2.052	2.868	13.6	19.2
325664	2009 SC_{360}		9 3.8	349.°74	5.°5/10.4	18
7 30	23 11.02	+12 25.5	2.335	3.099	14.3	20.0
8 9	23 7.28	+12 35.4	2.249	3.098	12.0	19.8
8 19	23 1.93	+12 25.9	2.182	3.097	9.5	19.7
8 29	22 55.44	+11 56.8	2.138	3.097	7.1	19.5
9 8	22 48.48	+11 9.8	2.120	3.096	5.6	19.4
9 18	22 41.77	+10 9.0	2.130	3.096	6.2	19.5
9 28	22 36.04	+ 8 59.8	2.166	3.095	8.3	19.6
10 8	22 31.87	+ 7 48.9	2.227	3.095	10.8	19.8
315055	2007 DM_{13}		9 3.8	191.°73	0.°3/ 4.1	18
7 30	23 14.99	− 4 59.5	2.482	3.319	11.5	21.1
8 9	23 10.07	− 5 9.9	2.401	3.318	8.8	20.9
8 19	23 3.60	− 5 28.7	2.342	3.317	5.6	20.7
8 29	22 56.04	− 5 53.4	2.311	3.316	2.2	20.5
9 8	22 48.06	− 6 20.6	2.309	3.314	1.4	20.4
9 18	22 40.37	− 6 46.7	2.336	3.312	4.9	20.7
9 28	22 33.67	− 7 8.1	2.390	3.310	8.1	20.9
10 8	22 28.51	− 7 22.3	2.470	3.308	10.9	21.0
362920	2012 DV_{2}		9 3.8	335.°86	2.°4/31.9	18
7 30	23 10.28	−10 32.9	2.061	2.930	12.2	20.0
8 9	23 6.90	−11 40.6	1.987	2.926	9.1	19.8
8 19	23 1.76	−12 57.1	1.937	2.922	5.7	19.6
8 29	22 55.40	−14 16.4	1.914	2.917	2.7	19.4
9 8	22 48.54	−15 31.5	1.918	2.914	3.7	19.5
9 18	22 41.98	−16 36.2	1.949	2.910	7.1	19.7
9 28	22 36.54	−17 25.7	2.007	2.907	10.5	19.9
10 8	22 32.83	−17 57.4	2.086	2.904	13.4	20.1
449939	2015 OB_{43}		9 3.8	19.°45	2.°4/ 5.5	18
7 30	23 16.57	− 1 36.4	1.563	2.411	16.5	20.4
8 9	23 12.02	− 1 13.1	1.497	2.416	12.9	20.1
8 19	23 5.16	− 1 4.1	1.451	2.422	8.7	19.9
8 29	22 56.68	− 1 7.8	1.428	2.428	4.3	19.7
9 8	22 47.62	− 1 20.5	1.432	2.435	2.7	19.6
9 18	22 39.09	− 1 37.8	1.461	2.443	6.5	19.9
9 28	22 32.17	− 1 54.4	1.515	2.451	10.6	20.1
10 8	22 27.59	− 2 5.6	1.592	2.460	14.4	20.4
485048	2010 BQ_{5}		9 3.8	12.°38	8.°4/10.6	17
7 30	23 20.48	+14 44.8	2.127	2.865	16.2	20.2
8 9	23 14.68	+16 14.1	2.044	2.867	14.1	20.0
8 19	23 6.77	+17 25.5	1.982	2.869	11.7	19.9
8 29	22 57.31	+18 15.2	1.942	2.871	9.6	19.8
9 8	22 47.13	+18 41.7	1.929	2.874	8.5	19.7
9 18	22 37.19	+18 45.9	1.941	2.877	8.9	19.7
9 28	22 28.48	+18 31.7	1.979	2.881	10.5	19.8
10 8	22 21.78	+18 5.3	2.041	2.884	12.7	20.0
34905	3110 P–L		9 3.8	351.°79	5.°7/ 9.0	18
7 30	23 14.11	+ 9 4.0	1.956	2.747	15.8	18.9
8 9	23 9.90	+ 9 35.4	1.874	2.745	13.1	18.7
8 19	23 3.74	+ 9 47.8	1.811	2.744	10.1	18.5
8 29	22 56.16	+ 9 40.3	1.772	2.743	7.3	18.4
9 8	22 47.98	+ 9 14.5	1.758	2.742	5.7	18.3
9 18	22 40.10	+ 8 34.1	1.770	2.741	6.8	18.3
9 28	22 33.43	+ 7 45.1	1.809	2.740	9.5	18.5
10 8	22 28.68	+ 6 54.0	1.871	2.740	12.5	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42521	1994 BO_{3}		9 3.8	325.°53	4.°3/29.7	18
	h m	° ′			°	m
7 30	23 8.30	−13 32.7	1.799	2.685	13.0	17.6
8 9	23 5.80	−15 13.3	1.717	2.664	9.7	17.3
8 19	23 1.30	−17 4.4	1.659	2.644	6.4	17.1
8 29	22 55.30	−18 57.5	1.626	2.624	4.3	16.9
9 8	22 48.60	−20 43.0	1.621	2.605	6.0	17.0
9 18	22 42.13	−22 11.7	1.641	2.587	9.5	17.2
9 28	22 36.86	−23 17.5	1.686	2.569	13.1	17.3
10 8	22 33.57	−23 57.6	1.751	2.552	16.2	17.5
116276	2003 YE_{44}		9 3.8	6.°59	1.°9/ 2.1	18
7 30	23 13.39	− 9 20.1	1.673	2.545	14.5	19.5
8 9	23 9.55	−10 4.5	1.606	2.545	10.8	19.2
8 19	23 3.58	−10 59.1	1.561	2.546	6.7	19.0
8 29	22 56.10	−11 57.8	1.541	2.547	2.7	18.8
9 8	22 48.07	−12 53.5	1.547	2.548	3.4	18.8
9 18	22 40.49	−13 39.6	1.579	2.549	7.5	19.1
9 28	22 34.36	−14 11.3	1.637	2.551	11.5	19.3
10 8	22 30.37	−14 25.9	1.715	2.554	14.9	19.5
336511	2008 WF_{131}		9 3.8	359.°25	6.°4/ 9.9	18
7 30	23 5.48	+11 15.1	1.236	2.066	21.1	19.0
8 9	23 4.25	+11 1.9	1.166	2.062	17.6	18.7
8 19	23 0.56	+10 13.3	1.112	2.060	13.5	18.5
8 29	22 55.06	+ 8 49.2	1.078	2.058	9.3	18.2
9 8	22 48.81	+ 6 55.7	1.065	2.059	6.5	18.1
9 18	22 43.00	+ 4 43.7	1.076	2.060	7.9	18.2
9 28	22 38.85	+ 2 28.1	1.111	2.063	11.8	18.4
10 8	22 37.20	+ 0 22.7	1.167	2.068	16.0	18.7
314569	2005 YH_{184}		9 3.8	150.°92	1.°1/ 5.2	18
7 30	23 11.96	− 0 47.9	2.766	3.587	10.9	22.2
8 9	23 7.64	− 1 13.4	2.687	3.594	8.4	22.0
8 19	23 1.99	− 1 49.6	2.632	3.600	5.6	21.8
8 29	22 55.44	− 2 34.0	2.605	3.605	2.6	21.6
9 8	22 48.57	− 3 23.0	2.606	3.610	1.4	21.6
9 18	22 41.95	− 4 12.9	2.637	3.615	4.2	21.8
9 28	22 36.18	− 4 59.5	2.696	3.620	7.1	22.0
10 8	22 31.73	− 5 39.5	2.781	3.624	9.7	22.2
328087	2007 YP_{44}		9 3.8	184.°91	2.°3/ 1.8	17
7 30	23 17.96	− 9 59.1	1.664	2.530	14.8	21.6
8 9	23 13.06	−10 50.0	1.595	2.531	11.1	21.3
8 19	23 5.83	−11 51.0	1.547	2.531	7.0	21.1
8 29	22 56.96	−12 55.5	1.525	2.530	2.9	20.8
9 8	22 47.45	−13 55.8	1.530	2.529	3.8	20.9
9 18	22 38.42	−14 44.9	1.561	2.528	8.0	21.1
9 28	22 30.95	−15 17.8	1.618	2.526	12.0	21.4
10 8	22 25.80	−15 32.4	1.696	2.523	15.6	21.6
341123	2007 LO_{28}		9 3.8	341.°11	4.°0/31.0	18
7 30	23 10.76	−11 34.7	1.416	2.305	15.6	19.7
8 9	23 8.01	−13 3.2	1.350	2.299	11.6	19.5
8 19	23 2.84	−14 44.1	1.305	2.293	7.4	19.2
8 29	22 55.89	−16 27.8	1.285	2.287	4.1	19.0
9 8	22 48.22	−18 3.2	1.290	2.283	5.8	19.1
9 18	22 41.00	−19 20.4	1.320	2.278	9.9	19.3
9 28	22 35.40	−20 12.8	1.372	2.275	14.1	19.6
10 8	22 32.22	−20 38.2	1.444	2.272	17.8	19.8
380250	2001 VF_{81}		9 3.8	274.°72	5.°8/29.9	18
7 30	23 19.95	−19 52.8	1.748	2.622	13.9	21.2
8 9	23 14.80	−20 47.9	1.663	2.599	10.7	21.0
8 19	23 7.12	−21 44.8	1.600	2.576	7.6	20.7
8 29	22 57.51	−22 35.4	1.563	2.553	5.8	20.6
9 8	22 47.01	−23 11.5	1.552	2.529	7.1	20.6
9 18	22 36.82	−23 27.3	1.567	2.505	10.4	20.7
9 28	22 28.17	−23 19.7	1.605	2.480	14.0	20.9
10 8	22 21.97	−22 49.6	1.664	2.456	17.3	21.1
429410	2010 TZ_{138}		9 3.8	242.°05	2.°8/29.2	15
7 30	23 8.88	−22 32.8	4.597	5.455	6.2	21.8
8 9	23 4.89	−23 0.0	4.524	5.450	4.8	21.7
8 19	23 0.07	−23 25.6	4.478	5.445	3.5	21.6
8 29	22 54.70	−23 47.3	4.460	5.440	2.8	21.5
9 8	22 49.13	−24 2.8	4.471	5.435	3.4	21.6
9 18	22 43.72	−24 10.5	4.512	5.430	4.7	21.7
9 28	22 38.85	−24 9.3	4.579	5.425	6.2	21.8
10 8	22 34.81	−23 59.1	4.670	5.419	7.5	21.9
171797	2001 DL_{18}		9 3.8	109.°40	4.°0/31.2	17
7 30	23 19.99	−14 28.2	1.708	2.578	14.4	20.0
8 9	23 14.30	−15 40.9	1.662	2.599	10.7	19.9
8 19	23 6.41	−16 58.0	1.639	2.620	6.9	19.7
8 29	22 57.10	−18 11.3	1.642	2.641	4.2	19.6
9 8	22 47.42	−19 12.9	1.672	2.660	5.4	19.7
9 18	22 38.45	−19 57.0	1.730	2.679	8.7	19.9
9 28	22 31.14	−20 20.7	1.812	2.698	12.2	20.2
10 8	22 26.14	−20 24.1	1.915	2.715	15.1	20.4

402436 2006 AM_{93} 9 3.8 199.°78 2.°7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.47	+ 2 13.6	2.510	3.317	12.3	21.1
8 9	23 10.46	+ 2 30.1	2.424	3.316	9.8	21.0
8 19	23 3.87	+ 2 35.0	2.360	3.314	6.9	20.8
8 29	22 56.19	+ 2 29.0	2.323	3.313	4.1	20.6
9 8	22 48.05	+ 2 14.2	2.313	3.312	2.8	20.5
9 18	22 40.16	+ 1 53.5	2.333	3.310	4.8	20.6
9 28	22 33.24	+ 1 30.6	2.380	3.308	7.7	20.8
10 8	22 27.85	+ 1 9.2	2.453	3.307	10.5	21.0

290731 2005 UV_{446} 9 3.8 12.°99 5.°5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.77	+10 35.2	2.123	2.902	15.1	20.2
8 9	23 8.75	+10 52.9	2.040	2.902	12.6	20.0
8 19	23 2.94	+10 51.1	1.977	2.903	9.8	19.8
8 29	22 55.87	+10 29.4	1.937	2.903	7.1	19.7
9 8	22 48.27	+ 9 49.8	1.923	2.904	5.6	19.6
9 18	22 40.96	+ 8 56.2	1.936	2.905	6.4	19.6
9 28	22 34.75	+ 7 54.7	1.975	2.906	8.8	19.8
10 8	22 30.29	+ 6 51.9	2.039	2.907	11.6	20.0

261694 2005 YD_{215} 9 3.8 184.°34 6.°2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.58	−25 32.2	2.447	3.317	10.5	20.0
8 9	23 9.20	−26 57.0	2.390	3.317	8.4	19.9
8 19	23 3.13	−28 18.6	2.359	3.317	6.7	19.8
8 29	22 55.91	−29 30.1	2.354	3.317	6.3	19.7
9 8	22 48.26	−30 25.6	2.376	3.316	7.4	19.8
9 18	22 40.95	−31 1.3	2.424	3.315	9.4	19.9
9 28	22 34.76	−31 15.5	2.496	3.315	11.5	20.1
10 8	22 30.24	−31 9.3	2.588	3.314	13.5	20.2

470565 2008 GX_{16} 9 3.8 98.°46 2.°5/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.22	− 9 50.2	1.605	2.474	15.1	21.6
8 9	23 12.39	−10 52.8	1.552	2.489	11.3	21.4
8 19	23 5.31	−12 5.0	1.521	2.505	7.0	21.2
8 29	22 56.73	−13 19.6	1.515	2.520	3.0	21.0
9 8	22 47.70	−14 28.0	1.536	2.535	3.9	21.1
9 18	22 39.31	−15 23.5	1.584	2.549	8.0	21.4
9 28	22 32.56	−16 1.2	1.657	2.564	11.9	21.7
10 8	22 28.10	−16 19.5	1.751	2.577	15.2	21.9

155136 2005 TS_{166} 9 3.8 44.°59 0.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.53	− 5 58.7	1.545	2.408	15.9	20.5
8 9	23 12.08	− 6 22.3	1.478	2.410	12.1	20.3
8 19	23 5.27	− 6 58.9	1.431	2.412	7.7	20.0
8 29	22 56.77	− 7 43.9	1.408	2.414	2.8	19.7
9 8	22 47.65	− 8 30.7	1.411	2.416	2.3	19.7
9 18	22 39.04	− 9 12.6	1.441	2.418	7.1	20.0
9 28	22 32.05	− 9 43.9	1.495	2.421	11.6	20.3
10 8	22 27.44	−10 1.2	1.571	2.423	15.4	20.5

361446 2007 BC_{48} 9 3.8 128.°01 0.°6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.69	− 8 6.7	2.411	3.257	11.5	21.2
8 9	23 10.59	− 8 22.0	2.340	3.264	8.6	21.0
8 19	23 3.92	− 8 44.1	2.292	3.271	5.4	20.8
8 29	22 56.19	− 9 9.5	2.271	3.277	2.0	20.6
9 8	22 48.10	− 9 34.6	2.279	3.283	1.8	20.6
9 18	22 40.36	− 9 55.8	2.317	3.289	5.3	20.8
9 28	22 33.69	−10 10.0	2.381	3.295	8.4	21.1
10 8	22 28.62	−10 15.2	2.470	3.301	11.2	21.3

360076 2013 AE_{132} 9 3.8 238.°26 1.°3/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.52	+ 1 31.1	4.712	5.513	7.0	21.7
8 9	23 2.38	+ 1 16.8	4.618	5.509	5.5	21.6
8 19	22 58.51	+ 0 55.7	4.549	5.506	3.8	21.4
8 29	22 54.14	+ 0 28.9	4.508	5.502	2.1	21.3
9 8	22 49.58	− 0 2.0	4.497	5.498	1.3	21.2
9 18	22 45.14	− 0 35.1	4.515	5.494	2.6	21.4
9 28	22 41.12	− 1 8.1	4.563	5.490	4.3	21.5
10 8	22 37.80	− 1 39.1	4.638	5.486	6.0	21.6

117896 2815 P–L 9 3.8 316.°89 0.°6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.91	− 6 47.4	1.343	2.219	17.1	19.7
8 9	23 11.41	− 7 2.7	1.263	2.203	13.1	19.4
8 19	23 5.18	− 7 32.2	1.203	2.187	8.4	19.1
8 29	22 56.86	− 8 11.1	1.165	2.171	3.1	18.7
9 8	22 47.56	− 8 52.6	1.152	2.157	2.7	18.7
9 18	22 38.64	− 9 29.2	1.163	2.143	8.2	19.0
9 28	22 31.44	− 9 54.3	1.198	2.129	13.3	19.2
10 8	22 26.95	−10 3.5	1.252	2.116	17.7	19.4

5338 Michelblanc 9 3.8 317.°91 1.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.33	− 9 44.7	1.880	2.747	13.3	16.9
8 9	23 9.37	−10 26.4	1.804	2.741	10.0	16.7
8 19	23 3.43	−11 17.1	1.752	2.735	6.2	16.5
8 29	22 56.09	−12 11.5	1.724	2.730	2.5	16.2
9 8	22 48.18	−13 3.2	1.724	2.724	3.2	16.3
9 18	22 40.63	−13 46.5	1.751	2.719	7.0	16.5
9 28	22 34.35	−14 16.7	1.803	2.715	10.8	16.7
10 8	22 30.03	−14 31.4	1.878	2.710	14.1	16.9

164989 2000 AE_{247} 9 3.8 269.°37 5.°0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.09	+ 4 26.2	1.931	2.730	15.7	19.5
8 9	23 16.06	+ 5 25.0	1.840	2.722	12.8	19.3
8 19	23 7.76	+ 6 10.2	1.770	2.715	9.5	19.0
8 29	22 57.75	+ 6 40.3	1.726	2.707	6.4	18.8
9 8	22 46.95	+ 6 55.5	1.709	2.698	5.0	18.7
9 18	22 36.40	+ 6 57.9	1.719	2.690	6.9	18.8
9 28	22 27.19	+ 6 51.3	1.757	2.682	10.2	19.0
10 8	22 20.14	+ 6 40.9	1.818	2.674	13.4	19.2

164722 1998 QN_{68} 9 3.8 5.°74 10.°7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.78	+10 21.2	1.074	1.911	23.2	18.5
8 9	23 9.39	+12 12.4	1.017	1.911	19.8	18.2
8 19	23 4.02	+13 36.1	0.976	1.913	16.1	18.0
8 29	22 56.43	+14 26.2	0.953	1.918	12.7	17.9
9 8	22 47.94	+14 40.8	0.950	1.925	10.8	17.8
9 18	22 40.05	+14 23.4	0.967	1.934	11.5	17.9
9 28	22 34.21	+13 42.8	1.005	1.946	14.1	18.1
10 8	22 31.41	+12 51.0	1.061	1.959	17.5	18.3

25499 1999 XR_{88} 9 3.8 91.°57 4.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.41	−14 46.3	1.500	2.381	15.3	18.1
8 9	23 12.76	−16 0.0	1.448	2.391	11.5	17.9
8 19	23 5.67	−17 19.4	1.419	2.402	7.5	17.7
8 29	22 56.93	−18 35.3	1.413	2.412	4.7	17.6
9 8	22 47.66	−19 38.5	1.434	2.422	6.1	17.7
9 18	22 39.06	−20 22.3	1.480	2.432	9.7	17.9
9 28	22 32.24	−20 43.2	1.550	2.442	13.5	18.2
10 8	22 27.90	−20 41.5	1.640	2.452	16.7	18.4

392396 2010 JA_{155} 9 3.8 192.°95 2.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.20	+ 2 30.4	2.083	2.901	14.0	22.0
8 9	23 9.84	+ 2 11.7	1.999	2.900	11.1	21.8
8 19	23 3.65	+ 1 36.7	1.938	2.899	7.7	21.6
8 29	22 56.18	+ 0 47.3	1.902	2.897	4.2	21.4
9 8	22 48.17	− 0 12.1	1.893	2.895	2.5	21.3
9 18	22 40.46	− 1 15.9	1.912	2.893	5.3	21.5
9 28	22 33.89	− 2 18.2	1.959	2.890	8.9	21.7
10 8	22 29.10	− 3 13.3	2.030	2.887	12.2	21.9

7681 Chenjingrun 9 3.8 207.°05 2.°4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.69	−11 46.3	1.820	2.680	14.0	18.3
8 9	23 15.02	−12 19.2	1.743	2.675	10.6	18.1
8 19	23 7.06	−12 58.8	1.689	2.670	6.7	17.9
8 29	22 57.48	−13 39.8	1.660	2.664	3.0	17.6
9 8	22 47.23	−14 15.8	1.660	2.658	3.7	17.7
9 18	22 37.42	−14 41.4	1.687	2.651	7.6	17.9
9 28	22 29.09	−14 53.0	1.739	2.644	11.6	18.1
10 8	22 23.01	−14 49.1	1.814	2.635	15.0	18.3

231922 2001 CX_{25} 9 3.8 93.°65 2.°9/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.17	−11 58.6	1.959	2.824	13.0	20.5
8 9	23 11.20	−13 9.2	1.911	2.847	9.6	20.3
8 19	23 4.39	−14 25.7	1.887	2.870	6.0	20.1
8 29	22 56.39	−15 41.3	1.891	2.892	3.1	20.0
9 8	22 48.08	−16 49.0	1.922	2.915	4.1	20.1
9 18	22 40.31	−17 43.3	1.980	2.936	7.4	20.4
9 28	22 33.92	−18 20.6	2.065	2.958	10.6	20.6
10 8	22 29.44	−18 40.0	2.172	2.978	13.3	20.8

36908 2000 SK_{182} 9 3.8 57.°62 6.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.82	−17 30.7	1.235	2.129	17.1	18.3
8 9	23 13.56	−18 53.9	1.188	2.137	12.9	18.1
8 19	23 6.39	−20 20.9	1.162	2.144	8.8	17.9
8 29	22 57.24	−21 39.8	1.158	2.153	6.5	17.8
9 8	22 47.46	−22 39.5	1.179	2.161	8.1	17.9
9 18	22 38.52	−23 12.9	1.223	2.169	11.9	18.1
9 28	22 31.72	−23 17.5	1.288	2.178	15.8	18.4
10 8	22 27.84	−22 55.3	1.371	2.187	19.2	18.7

343098 2009 DV_{42} 9 3.8 263.°60 14.°3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.65	−23 48.4	0.956	1.863	19.7	20.9
8 9	23 17.85	−27 51.9	0.888	1.835	16.3	20.6
8 19	23 10.65	−32 13.6	0.842	1.806	14.3	20.4
8 29	22 59.39	−36 24.7	0.818	1.775	15.4	20.4
9 8	22 45.55	−39 53.8	0.816	1.743	19.1	20.4
9 18	22 31.53	−42 18.8	0.834	1.709	23.9	20.6
9 28	22 20.14	−43 33.1	0.865	1.674	28.4	20.8
10 8	22 13.41	−43 44.3	0.906	1.638	32.4	20.9

390453 2013 YP_{90} 9 3.8 178.°06 4.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.05	+ 5 42.4	2.059	2.856	14.9	20.8
8 9	23 12.78	+ 6 5.5	1.976	2.857	12.1	20.6
8 19	23 5.54	+ 6 12.4	1.914	2.858	8.9	20.4
8 29	22 56.89	+ 6 2.9	1.877	2.858	5.8	20.2
9 8	22 47.66	+ 5 39.2	1.866	2.859	4.3	20.1
9 18	22 38.75	+ 5 5.1	1.884	2.858	6.0	20.2
9 28	22 31.06	+ 4 25.7	1.928	2.858	9.1	20.4
10 8	22 25.29	+ 3 46.8	1.997	2.857	12.2	20.6

402803 2007 DD_{72} 9 3.8 88.°09 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.32	−10 43.7	2.267	3.121	11.8	21.4
8 9	23 11.17	−10 59.3	2.198	3.128	8.9	21.2
8 19	23 4.35	−11 20.1	2.153	3.134	5.5	21.0
8 29	22 56.40	−11 42.3	2.135	3.140	2.2	20.8
9 8	22 48.06	−12 1.9	2.145	3.146	2.5	20.8
9 18	22 40.14	−12 15.5	2.184	3.152	5.8	21.1
9 28	22 33.37	−12 20.2	2.249	3.158	9.1	21.3
10 8	22 28.31	−12 14.6	2.339	3.164	11.9	21.5

239718 2009 BU_{18} 9 3.8 33.°37 1.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.45	− 7 3.3	1.698	2.563	14.6	20.9
8 9	23 9.58	− 7 50.2	1.631	2.566	11.0	20.7
8 19	23 3.61	− 8 49.4	1.587	2.570	6.8	20.5
8 29	22 56.18	− 9 55.0	1.567	2.573	2.5	20.2
9 8	22 48.21	−10 59.9	1.574	2.577	2.7	20.2
9 18	22 40.69	−11 57.2	1.607	2.580	7.0	20.5
9 28	22 34.58	−12 41.2	1.666	2.584	11.1	20.8
10 8	22 30.58	−13 8.7	1.746	2.589	14.5	21.0

180792 2004 TZ_{338} 9 3.8 309.°80 22.°6/ 8.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.12	−50 16.8	1.014	1.869	23.0	19.2
8 9	23 21.84	−53 20.1	0.995	1.857	22.6	19.1
8 19	23 13.05	−55 45.4	0.990	1.845	23.1	19.1
8 29	23 0.00	−57 13.7	0.999	1.834	24.2	19.1
9 8	22 45.49	−57 33.9	1.021	1.823	25.8	19.2
9 18	22 32.75	−56 46.2	1.054	1.813	27.6	19.3
9 28	22 24.34	−54 58.9	1.097	1.803	29.3	19.5
10 8	22 21.21	−52 25.4	1.147	1.794	30.8	19.6

285099 1994 VT_3 9 3.8 246.°13 3.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.21	+ 4 41.4	2.362	3.166	13.0	21.1
8 9	23 8.18	+ 4 33.6	2.271	3.160	10.4	20.9
8 19	23 2.54	+ 4 10.4	2.203	3.154	7.5	20.8
8 29	22 55.76	+ 3 33.0	2.160	3.148	4.6	20.6
9 8	22 48.49	+ 2 44.4	2.144	3.142	3.1	20.5
9 18	22 41.45	+ 1 48.9	2.156	3.135	5.0	20.6
9 28	22 35.36	+ 0 51.9	2.196	3.129	8.0	20.7
10 8	22 30.82	− 0 1.6	2.261	3.122	11.0	20.9

35543 1998 FU_{99} 9 3.8 253.°81 2.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.65	+ 0 30.5	1.936	2.763	14.6	19.0
8 9	23 11.96	+ 0 29.2	1.841	2.748	11.6	18.7
8 19	23 5.17	+ 0 12.9	1.769	2.733	8.0	18.5
8 29	22 56.82	− 0 17.0	1.720	2.718	4.1	18.2
9 8	22 47.71	− 0 56.7	1.700	2.703	2.5	18.1
9 18	22 38.82	− 1 41.3	1.706	2.687	5.9	18.3
9 28	22 31.14	− 2 24.9	1.740	2.670	9.9	18.5
10 8	22 25.44	− 3 2.4	1.797	2.654	13.5	18.7

80478 2000 AC_{31} 9 3.8 169.°72 1.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.43	− 7 48.6	1.799	2.655	14.4	20.1
8 9	23 13.24	− 8 23.6	1.728	2.658	10.8	19.9
8 19	23 5.89	− 9 9.0	1.679	2.660	6.8	19.7
8 29	22 57.03	− 9 59.7	1.657	2.662	2.5	19.4
9 8	22 47.60	−10 49.3	1.661	2.664	2.6	19.4
9 18	22 38.63	−11 32.0	1.693	2.665	6.9	19.7
9 28	22 31.12	−12 3.0	1.751	2.666	10.9	19.9
10 8	22 25.76	−12 19.5	1.832	2.666	14.3	20.2

183826 2004 BF_{92} 9 3.8 281.°62 2.°6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.62	− 0 14.4	1.506	2.350	17.2	20.0
8 9	23 13.18	− 0 3.5	1.424	2.341	13.6	19.7
8 19	23 6.18	− 0 9.6	1.362	2.331	9.3	19.4
8 29	22 57.24	− 0 31.3	1.322	2.322	4.8	19.1
9 8	22 47.41	− 1 4.5	1.308	2.312	2.9	19.0
9 18	22 37.94	− 1 43.3	1.320	2.303	7.0	19.2
9 28	22 30.07	− 2 20.8	1.357	2.293	11.6	19.5
10 8	22 24.72	− 2 51.0	1.415	2.284	15.8	19.7

211410 2002 VY_{92} 9 3.8 348.°57 7.°3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.12	−21 38.5	1.449	2.344	14.9	18.9
8 9	23 9.85	−22 56.2	1.391	2.337	11.6	18.7
8 19	23 4.02	−24 13.7	1.354	2.331	8.6	18.5
8 29	22 56.39	−25 20.8	1.341	2.325	7.3	18.4
9 8	22 48.08	−26 7.8	1.352	2.321	8.9	18.5
9 18	22 40.34	−26 28.8	1.385	2.317	12.1	18.7
9 28	22 34.35	−26 21.6	1.441	2.315	15.4	18.9
10 8	22 30.90	−25 48.1	1.514	2.313	18.5	19.1

170910 2004 XE_{69} 9 3.8 279.°33 3.°9/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.79	−13 21.2	1.407	2.287	16.2	20.2
8 9	23 14.38	−14 7.3	1.326	2.269	12.3	19.9
8 19	23 7.11	−15 2.3	1.266	2.251	8.0	19.6
8 29	22 57.63	−15 58.5	1.230	2.233	4.2	19.4
9 8	22 47.12	−16 46.6	1.219	2.214	5.5	19.4
9 18	22 36.98	−17 18.8	1.233	2.196	10.0	19.6
9 28	22 28.63	−17 29.9	1.269	2.177	14.7	19.8
10 8	22 23.08	−17 18.6	1.326	2.159	18.8	20.0

61680 2000 QJ_{124} 9 3.8 56.°98 2.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.02	+ 0 12.8	1.512	2.359	17.0	19.1
8 9	23 10.91	− 0 4.3	1.451	2.370	13.3	18.9
8 19	23 4.50	− 0 40.3	1.411	2.382	8.9	18.6
8 29	22 56.53	− 1 31.6	1.394	2.394	4.3	18.4
9 8	22 48.02	− 2 32.0	1.402	2.407	2.4	18.3
9 18	22 40.09	− 3 34.0	1.436	2.419	6.5	18.6
9 28	22 33.77	− 4 30.2	1.496	2.432	10.8	18.9
10 8	22 29.77	− 5 15.0	1.578	2.445	14.5	19.1

82205 2001 HW_{39} 9 3.8 338.°46 3.°2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.77	−11 19.3	1.172	2.067	17.7	18.6
8 9	23 10.81	−11 57.6	1.106	2.057	13.4	18.4
8 19	23 4.90	−12 47.4	1.058	2.047	8.5	18.1
8 29	22 56.81	−13 40.9	1.033	2.038	3.8	17.8
9 8	22 47.79	−14 28.4	1.030	2.030	4.9	17.8
9 18	22 39.33	−15 1.3	1.051	2.023	10.0	18.1
9 28	22 32.86	−15 13.8	1.093	2.017	15.0	18.3
10 8	22 29.33	−15 4.1	1.153	2.012	19.3	18.6

353878 2012 WM_{24} 9 3.8 214.°93 8.°2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.83	−28 52.9	1.936	2.804	13.0	20.5
8 9	23 14.36	−30 4.9	1.881	2.802	10.6	20.4
8 19	23 6.61	−31 9.7	1.849	2.800	8.7	20.3
8 29	22 57.31	−31 58.8	1.842	2.797	8.3	20.2
9 8	22 47.48	−32 25.6	1.860	2.795	9.4	20.3
9 18	22 38.24	−32 26.4	1.903	2.792	11.6	20.4
9 28	22 30.61	−32 1.3	1.968	2.790	14.1	20.6
10 8	22 25.30	−31 13.4	2.053	2.787	16.3	20.8

10012 Tmutarakania 9 3.8 329.°29 0.°9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.77	− 3 44.5	1.252	2.127	18.1	17.7
8 9	23 9.96	− 3 48.2	1.173	2.111	14.1	17.4
8 19	23 4.37	− 4 9.4	1.113	2.095	9.3	17.1
8 29	22 56.63	− 4 44.9	1.075	2.080	3.9	16.7
9 8	22 47.89	− 5 28.5	1.060	2.066	2.3	16.6
9 18	22 39.51	− 6 12.3	1.069	2.052	7.9	16.9
9 28	22 32.89	− 6 48.3	1.100	2.040	13.2	17.1
10 8	22 29.06	− 7 10.6	1.151	2.029	17.9	17.4

154238 2002 JF_{123} 9 3.8 91.°44 2.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.43	− 9 52.4	2.251	3.113	11.6	19.8
8 9	23 7.60	−10 56.2	2.182	3.116	8.6	19.7
8 19	23 2.17	−12 8.0	2.137	3.120	5.4	19.5
8 29	22 55.63	−13 22.4	2.119	3.123	2.4	19.3
9 8	22 48.68	−14 33.2	2.129	3.126	3.2	19.3
9 18	22 42.04	−15 35.0	2.167	3.129	6.4	19.5
9 28	22 36.46	−16 23.3	2.232	3.133	9.5	19.8
10 8	22 32.47	−16 55.9	2.321	3.136	12.3	19.9

515296 2012 UB_{39} 9 3.8 273.°59 3.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.67	−14 34.4	1.800	2.669	13.8	21.6
8 9	23 13.59	−15 4.8	1.721	2.657	10.4	21.4
8 19	23 6.23	−15 39.7	1.664	2.646	6.7	21.1
8 29	22 57.22	−16 13.2	1.632	2.634	3.6	20.9
9 8	22 47.51	−16 39.1	1.627	2.621	4.5	20.9
9 18	22 38.19	−16 52.3	1.649	2.609	8.2	21.1
9 28	22 30.33	−16 49.8	1.697	2.597	12.0	21.3
10 8	22 24.71	−16 30.9	1.766	2.585	15.4	21.5

505086 2011 UM_{248} 9 3.8 317.°11 2.°2/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.06	− 0 10.4	1.195	2.059	19.6	21.5
8 9	23 11.73	− 0 21.5	1.124	2.053	15.4	21.3
8 19	23 5.48	− 0 55.6	1.071	2.047	10.4	21.0
8 29	22 57.04	− 1 49.8	1.039	2.041	4.9	20.6
9 8	22 47.62	− 2 57.0	1.030	2.035	2.7	20.5
9 18	22 38.69	− 4 7.7	1.045	2.030	7.9	20.8
9 28	22 31.69	− 5 11.6	1.083	2.025	13.3	21.1
10 8	22 27.61	− 6 0.8	1.141	2.021	18.0	21.3

171404 2006 QR_{141} 9 3.8 42.°50 2.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.73	−11 48.2	1.830	2.699	13.6	20.3
8 9	23 11.16	−12 24.4	1.765	2.702	10.2	20.0
8 19	23 4.56	−13 7.1	1.722	2.705	6.4	19.8
8 29	22 56.55	−13 50.7	1.704	2.708	2.9	19.6
9 8	22 48.04	−14 29.3	1.713	2.711	3.7	19.7
9 18	22 40.00	−14 57.6	1.750	2.715	7.4	19.9
9 28	22 33.37	−15 12.1	1.811	2.718	11.0	20.1
10 8	22 28.78	−15 11.4	1.895	2.722	14.2	20.4

317193 2001 YR_{80} 9 3.8 218.°07 3.°0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.23	+ 2 26.3	1.975	2.791	14.8	21.4
8 9	23 12.29	+ 2 31.2	1.887	2.786	11.8	21.2
8 19	23 5.33	+ 2 20.4	1.821	2.780	8.3	21.0
8 29	22 56.88	+ 1 55.0	1.780	2.773	4.7	20.8
9 8	22 47.77	+ 1 18.3	1.766	2.766	3.1	20.7
9 18	22 38.95	+ 0 34.8	1.779	2.759	5.8	20.8
9 28	22 31.37	− 0 9.6	1.820	2.751	9.5	21.0
10 8	22 25.74	− 0 49.6	1.884	2.743	12.9	21.2

299150 2005 EM_{279} 9 3.8 170.°05 3.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.36	+ 5 2.0	2.418	3.209	13.1	21.3
8 9	23 11.96	+ 5 13.2	2.334	3.213	10.6	21.1
8 19	23 4.90	+ 5 10.1	2.272	3.217	7.7	21.0
8 29	22 56.66	+ 4 53.5	2.235	3.219	4.9	20.8
9 8	22 47.95	+ 4 25.6	2.227	3.222	3.5	20.7
9 18	22 39.53	+ 3 49.8	2.248	3.223	5.2	20.8
9 28	22 32.16	+ 3 10.7	2.297	3.224	8.0	21.0
10 8	22 26.41	+ 2 33.0	2.371	3.225	10.8	21.2

178945 2001 QP_{122} 9 3.8 31.°50 2.°2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.89	− 9 42.6	1.113	2.005	18.7	19.6
8 9	23 12.12	−10 13.0	1.070	2.019	14.0	19.4
8 19	23 5.48	−10 55.0	1.046	2.034	8.7	19.1
8 29	22 56.92	−11 40.7	1.043	2.049	3.4	18.9
9 8	22 47.84	−12 21.4	1.064	2.066	3.9	19.0
9 18	22 39.69	−12 49.6	1.108	2.084	9.0	19.3
9 28	22 33.71	−13 0.7	1.175	2.103	13.8	19.7
10 8	22 30.61	−12 53.2	1.260	2.122	17.8	20.0

301460 2009 DB_{117} 9 3.8 77.°34 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.64	− 8 38.6	1.920	2.777	13.5	20.6
8 9	23 11.79	− 8 57.4	1.847	2.777	10.2	20.4
8 19	23 4.94	− 9 24.4	1.797	2.778	6.4	20.2
8 29	22 56.71	− 9 55.5	1.773	2.778	2.4	19.9
9 8	22 47.95	−10 25.7	1.776	2.779	2.4	19.9
9 18	22 39.62	−10 50.2	1.806	2.779	6.4	20.2
9 28	22 32.61	−11 5.1	1.863	2.780	10.2	20.4
10 8	22 27.60	−11 8.4	1.943	2.780	13.5	20.6

520213 2014 DU_{151} 9 3.8 178.°48 0.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.64	− 4 5.7	2.118	2.961	13.0	21.9
8 9	23 10.13	− 4 39.1	2.041	2.962	9.9	21.7
8 19	23 3.83	− 5 24.3	1.986	2.962	6.3	21.5
8 29	22 56.29	− 6 17.6	1.958	2.963	2.4	21.3
9 8	22 48.25	− 7 13.8	1.958	2.963	1.6	21.2
9 18	22 40.55	− 8 7.5	1.986	2.963	5.6	21.5
9 28	22 33.99	− 8 53.7	2.041	2.962	9.2	21.7
10 8	22 29.19	− 9 28.6	2.120	2.961	12.4	21.9

316337 2010 RM_{126} 9 3.8 61.°26 1.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.56	− 6 59.7	1.234	2.114	18.0	20.7
8 9	23 11.72	− 8 6.8	1.185	2.128	13.5	20.5
8 19	23 5.20	− 9 29.9	1.155	2.141	8.3	20.2
8 29	22 56.84	−11 0.0	1.148	2.155	3.1	20.0
9 8	22 47.90	−12 26.1	1.166	2.168	3.8	20.1
9 18	22 39.73	−13 38.4	1.209	2.182	8.8	20.4
9 28	22 33.52	−14 29.8	1.275	2.196	13.5	20.7
10 8	22 30.03	−14 57.7	1.361	2.211	17.4	21.0

429714 2011 JS_5 9 3.8 132.°95 2.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.61	− 8 56.9	1.799	2.664	13.9	21.2
8 9	23 10.37	−10 11.1	1.735	2.671	10.4	21.0
8 19	23 4.09	−11 36.3	1.694	2.677	6.4	20.8
8 29	22 56.40	−13 5.4	1.678	2.683	2.8	20.6
9 8	22 48.19	−14 30.1	1.691	2.689	3.7	20.6
9 18	22 40.43	−15 43.0	1.731	2.695	7.6	20.9
9 28	22 34.05	−16 38.6	1.796	2.700	11.3	21.1
10 8	22 29.70	−17 14.3	1.884	2.705	14.5	21.4

134482 1998 WX_1 9 3.8 312.°24 2.°6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 34.59	−15 39.7	1.031	1.908	21.0	19.1
8 9	23 27.28	−14 49.5	0.960	1.900	16.2	18.8
8 19	23 15.74	−13 56.3	0.908	1.891	10.5	18.4
8 29	23 0.97	−12 54.9	0.878	1.883	4.4	18.1
9 8	22 44.90	−11 41.5	0.872	1.875	4.3	18.1
9 18	22 29.81	−10 16.5	0.891	1.868	10.6	18.4
9 28	22 17.76	− 8 42.5	0.933	1.861	16.6	18.7
10 8	22 9.96	− 7 3.1	0.995	1.854	21.6	19.0

310112 2010 VW_{176} 9 3.8 329.°85 2.°2/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.49	+ 4 57.1	4.100	4.884	8.3	20.2
8 9	23 3.99	+ 4 59.4	4.006	4.881	6.6	20.1
8 19	22 59.62	+ 4 53.1	3.936	4.878	4.9	19.9
8 29	22 54.66	+ 4 38.8	3.893	4.875	3.1	19.8
9 8	22 49.45	+ 4 18.2	3.879	4.872	2.2	19.7
9 18	22 44.38	+ 3 52.9	3.894	4.869	3.2	19.8
9 28	22 39.81	+ 3 25.5	3.938	4.866	4.9	19.9
10 8	22 36.08	+ 2 58.3	4.009	4.864	6.7	20.1

137887 2000 AU_{133} 9 3.8 260.°27 3.°0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.84	−11 16.2	1.625	2.497	14.8	20.3
8 9	23 12.49	−12 11.4	1.544	2.483	11.2	20.0
8 19	23 5.71	−13 16.8	1.485	2.469	7.1	19.7
8 29	22 57.10	−14 25.8	1.451	2.455	3.4	19.5
9 8	22 47.67	−15 29.8	1.444	2.441	4.5	19.5
9 18	22 38.57	−16 21.2	1.462	2.426	8.7	19.7
9 28	22 30.97	−16 54.4	1.505	2.411	12.9	20.0
10 8	22 25.76	−17 7.1	1.569	2.396	16.7	20.2

115339 2003 SK_{226} 9 3.8 304.°18 1.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.26	− 9 15.2	1.315	2.194	17.2	19.7
8 9	23 13.29	− 9 38.3	1.238	2.180	13.1	19.4
8 19	23 6.45	−10 13.5	1.181	2.167	8.3	19.1
8 29	22 57.44	−10 54.8	1.147	2.153	3.2	18.8
9 8	22 47.43	−11 34.5	1.137	2.140	3.5	18.8
9 18	22 37.84	−12 5.0	1.152	2.128	8.8	19.0
9 28	22 30.10	−12 20.3	1.190	2.115	13.9	19.3
10 8	22 25.21	−12 17.7	1.247	2.103	18.3	19.5

71086 1999 XT_{125} 9 3.8 194.°08 5.°1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.63	−22 34.3	2.470	3.331	10.8	20.5
8 9	23 12.97	−23 33.0	2.402	3.329	8.4	20.3
8 19	23 5.55	−24 30.0	2.359	3.326	6.2	20.2
8 29	22 56.93	−25 19.3	2.344	3.322	5.1	20.1
9 8	22 47.85	−25 55.5	2.356	3.318	6.2	20.1
9 18	22 39.14	−26 14.9	2.396	3.313	8.4	20.3
9 28	22 31.60	−26 16.1	2.462	3.307	10.8	20.4
10 8	22 25.81	−25 59.6	2.550	3.301	13.0	20.6

187468 2006 AE_{24} 9 3.8 308.°57 5.°5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.68	−20 48.9	2.056	2.933	11.9	20.0
8 9	23 9.60	−21 58.1	1.988	2.926	9.2	19.8
8 19	23 3.59	−23 7.7	1.944	2.918	6.7	19.7
8 29	22 56.23	−24 10.4	1.926	2.910	5.5	19.6
9 8	22 48.34	−24 59.5	1.935	2.903	6.7	19.7
9 18	22 40.81	−25 30.1	1.969	2.895	9.3	19.8
9 28	22 34.52	−25 39.8	2.027	2.888	12.2	20.0
10 8	22 30.14	−25 28.8	2.107	2.881	14.7	20.1

301379 2009 CJ_{63} 9 3.8 129.°39 2.°7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.24	−13 16.0	2.022	2.886	12.7	20.8
8 9	23 12.11	−13 50.4	1.957	2.891	9.5	20.6
8 19	23 5.08	−14 29.4	1.914	2.896	6.0	20.4
8 29	22 56.76	−15 7.8	1.898	2.900	3.0	20.2
9 8	22 47.99	−15 40.0	1.909	2.905	3.8	20.3
9 18	22 39.67	−16 1.9	1.948	2.909	7.1	20.5
9 28	22 32.67	−16 10.3	2.014	2.913	10.5	20.7
10 8	22 27.61	−16 4.4	2.102	2.917	13.4	20.9

340573 2006 MF_3 9 3.8 301.°33 12.°5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.13	−38 15.7	1.735	2.596	14.6	19.8
8 9	23 13.76	−40 23.4	1.695	2.589	13.1	19.7
8 19	23 6.59	−42 15.9	1.677	2.582	12.5	19.6
8 29	22 57.43	−43 41.6	1.681	2.576	12.9	19.6
9 8	22 47.50	−44 32.1	1.707	2.569	14.3	19.7
9 18	22 38.22	−44 44.2	1.754	2.563	16.1	19.8
9 28	22 30.88	−44 19.3	1.817	2.557	18.0	20.0
10 8	22 26.33	−43 22.7	1.896	2.551	19.7	20.1

257404 2009 SF_{315} 9 3.8 288.°18 1.°4/ 6.5 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.78	+ 1 29.8	4.340	5.142	7.6	20.3
8 9	23 3.43	+ 1 22.6	4.246	5.137	5.9	20.2
8 19	22 59.27	+ 1 8.2	4.177	5.132	4.1	20.0
8 29	22 54.55	+ 0 47.6	4.135	5.127	2.3	19.9
9 8	22 49.61	+ 0 22.6	4.122	5.122	1.5	19.8
9 18	22 44.80	− 0 5.0	4.139	5.117	2.8	19.9
9 28	22 40.45	− 0 32.9	4.185	5.112	4.7	20.1
10 8	22 36.88	− 0 59.0	4.258	5.108	6.5	20.2

333058 2011 SD_{255} 9 3.8 312.°46 1.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.75	− 1 3.7	1.781	2.625	15.0	20.6
8 9	23 9.88	− 1 12.0	1.698	2.616	11.7	20.4
8 19	23 3.92	− 1 35.5	1.635	2.606	7.9	20.1
8 29	22 56.43	− 2 11.9	1.596	2.597	3.7	19.8
9 8	22 48.26	− 2 56.7	1.584	2.589	2.1	19.7
9 18	22 40.39	− 3 44.0	1.599	2.580	6.0	19.9
9 28	22 33.82	− 4 27.9	1.639	2.572	10.2	20.2
10 8	22 29.28	− 5 3.0	1.702	2.564	13.9	20.4

154224 2002 JB_{77} 9 3.8 155.°21 4.°0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.56	+ 9 31.8	2.556	3.330	12.9	20.4
8 9	23 7.57	+ 9 17.6	2.471	3.334	10.6	20.3
8 19	23 2.13	+ 8 46.0	2.407	3.338	8.0	20.1
8 29	22 55.68	+ 7 57.9	2.368	3.341	5.5	19.9
9 8	22 48.84	+ 6 56.3	2.356	3.344	4.0	19.8
9 18	22 42.24	+ 5 45.5	2.373	3.347	5.0	19.9
9 28	22 36.55	+ 4 30.9	2.418	3.350	7.4	20.1
10 8	22 32.28	+ 3 18.4	2.489	3.352	10.0	20.3

74958 1999 TL_{197} 9 3.8 324.°32 3.°4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.07	−13 26.5	1.268	2.153	17.3	19.4
8 9	23 14.72	−13 45.7	1.198	2.143	13.1	19.1
8 19	23 7.38	−14 11.5	1.147	2.133	8.4	18.8
8 29	22 57.81	−14 37.0	1.119	2.124	4.0	18.5
9 8	22 47.31	−14 54.3	1.116	2.115	4.9	18.6
9 18	22 37.39	−14 57.3	1.136	2.106	9.7	18.8
9 28	22 29.48	−14 42.5	1.179	2.098	14.5	19.1
10 8	22 24.57	−14 9.4	1.241	2.091	18.8	19.3

255463 2005 YC_{84} 9 3.8 269.°08 0.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.13	− 2 54.0	2.450	3.283	11.7	21.9
8 9	23 8.93	− 3 16.7	2.348	3.263	9.1	21.7
8 19	23 3.11	− 3 50.6	2.271	3.243	5.9	21.5
8 29	22 56.10	− 4 33.2	2.219	3.222	2.5	21.2
9 8	22 48.52	− 5 20.6	2.196	3.202	1.4	21.1
9 18	22 41.09	− 6 8.3	2.202	3.181	5.0	21.3
9 28	22 34.54	− 6 51.8	2.236	3.159	8.4	21.5
10 8	22 29.51	− 7 27.2	2.294	3.138	11.5	21.7

2106 Hugo 9 3.8 307.°72 0.°8/ 3.0 18 R

7 30	23 11.80	− 5 17.5	1.728	2.590	14.5	16.5
8 9	23 8.47	− 6 13.2	1.648	2.581	11.0	16.2
8 19	23 3.06	− 7 24.0	1.590	2.572	6.9	16.0
8 29	22 56.12	− 8 44.6	1.557	2.563	2.5	15.7
9 8	22 48.51	−10 7.4	1.551	2.554	2.5	15.7
9 18	22 41.22	−11 24.4	1.571	2.546	7.0	15.9
9 28	22 35.23	−12 28.3	1.617	2.538	11.2	16.2
10 8	22 31.29	−13 14.7	1.685	2.530	14.8	16.4

136620 1994 JC 9 3.8 104.°36 8.°1/21.8 18

7 30	23 24.90	−45 33.7	3.531	4.321	9.4	21.4
8 9	23 17.21	−46 35.8	3.523	4.352	8.6	21.4
8 19	23 7.95	−47 24.0	3.540	4.382	8.2	21.4
8 29	22 57.76	−47 53.9	3.581	4.412	8.3	21.5
9 8	22 47.45	−48 2.8	3.646	4.441	8.8	21.5
9 18	22 37.78	−47 50.4	3.734	4.469	9.6	21.6
9 28	22 29.45	−47 18.2	3.844	4.497	10.5	21.8
10 8	22 22.93	−46 29.2	3.971	4.524	11.3	21.9

252727 2002 CC_{239} 9 3.8 138.°75 1.°0/ 5.1 18

7 30	23 13.02	− 1 0.2	2.825	3.644	10.7	21.5
8 9	23 8.44	− 1 29.0	2.751	3.656	8.3	21.4
8 19	23 2.57	− 2 8.1	2.701	3.668	5.4	21.2
8 29	22 55.83	− 2 54.9	2.678	3.679	2.5	21.0
9 8	22 48.78	− 3 45.9	2.685	3.689	1.3	21.0
9 18	22 42.01	− 4 37.1	2.721	3.700	4.1	21.2
9 28	22 36.10	− 5 24.7	2.786	3.709	7.0	21.4
10 8	22 31.50	− 6 5.3	2.878	3.719	9.5	21.6

107626 2001 EG_{10} 9 3.8 253.°51 3.°8/31.9 18

7 30	23 21.10	−16 57.5	1.858	2.724	13.5	19.6
8 9	23 15.31	−17 20.6	1.785	2.719	10.3	19.4
8 19	23 7.27	−17 45.1	1.735	2.714	6.8	19.2
8 29	22 57.67	−18 5.2	1.711	2.709	4.1	19.0
9 8	22 47.48	−18 15.4	1.714	2.704	5.0	19.0
9 18	22 37.78	−18 11.8	1.744	2.699	8.3	19.2
9 28	22 29.61	−17 52.6	1.800	2.694	11.8	19.4
10 8	22 23.70	−17 18.2	1.878	2.689	14.9	19.6

472434 2015 BF_{300} 9 3.8 213.°11 3.°2/31.8 18

7 30	23 17.51	−12 19.5	1.858	2.724	13.5	22.1
8 9	23 12.67	−13 26.1	1.782	2.718	10.2	21.9
8 19	23 5.67	−14 41.0	1.728	2.711	6.5	21.6
8 29	22 57.10	−15 57.2	1.701	2.703	3.4	21.4
9 8	22 47.85	−17 7.0	1.702	2.695	4.6	21.5
9 18	22 38.96	−18 3.4	1.730	2.686	8.2	21.7
9 28	22 31.44	−18 41.6	1.783	2.677	11.9	21.9
10 8	22 26.04	−19 0.0	1.859	2.667	15.2	22.1

108244 2001 HX_{44} 9 3.8 19.°35 2.°2/ 5.9 18

7 30	23 13.69	+ 1 8.2	1.799	2.634	15.3	19.6
8 9	23 9.74	+ 0 52.6	1.723	2.634	12.0	19.4
8 19	23 3.77	+ 0 19.8	1.668	2.635	8.2	19.2
8 29	22 56.37	− 0 27.8	1.638	2.636	4.2	19.0
9 8	22 48.39	− 1 25.1	1.633	2.637	2.4	18.8
9 18	22 40.79	− 2 26.0	1.656	2.638	5.8	19.1
9 28	22 34.49	− 3 23.8	1.705	2.639	9.8	19.3
10 8	22 30.19	− 4 12.8	1.777	2.641	13.3	19.5

115869 2003 UW_{278} 9 3.8 87.°29 5.°0/30.8 17

7 30	23 17.86	−15 15.6	1.411	2.295	15.9	19.6
8 9	23 13.33	−16 31.2	1.359	2.304	12.0	19.4
8 19	23 6.20	−17 52.5	1.329	2.312	7.9	19.2
8 29	22 57.28	−19 9.7	1.323	2.321	5.1	19.1
9 8	22 47.79	−20 13.0	1.342	2.329	6.5	19.2
9 18	22 39.00	−20 55.2	1.386	2.337	10.3	19.4
9 28	22 32.09	−21 12.9	1.453	2.346	14.1	19.7
10 8	22 27.80	−21 6.6	1.539	2.354	17.5	19.9

80019 1999 HL_2 9 3.9 329.°30 15.°1/20.3 17

7 30	23 4.84	+29 42.4	0.997	1.744	30.2	17.7
8 9	23 4.72	+29 58.7	0.922	1.735	27.7	17.5
8 19	23 1.48	+29 16.4	0.856	1.727	24.5	17.2
8 29	22 55.74	+27 22.9	0.803	1.719	20.8	16.9
9 8	22 48.79	+24 13.1	0.765	1.712	17.2	16.7
9 18	22 42.29	+19 54.6	0.746	1.706	15.1	16.6
9 28	22 37.96	+14 51.5	0.750	1.701	16.0	16.6
10 8	22 36.98	+ 9 39.3	0.775	1.697	19.4	16.8

73615 2353 $T\text{-}_3$ 9 3.9 196.°77 2.°7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.38	+ 2 39.8	1.942	2.764	14.8	20.2
8 9	23 10.15	+ 2 27.4	1.861	2.763	11.7	20.0
8 19	23 3.99	+ 1 57.7	1.802	2.763	8.2	19.8
8 29	22 56.45	+ 1 12.9	1.767	2.761	4.5	19.5
9 8	22 48.35	+ 0 17.0	1.758	2.760	2.7	19.4
9 18	22 40.56	− 0 44.2	1.778	2.759	5.6	19.6
9 28	22 34.00	− 1 44.2	1.824	2.757	9.3	19.8
10 8	22 29.33	− 2 37.3	1.894	2.756	12.7	20.0

290827 2005 VU_{131} 9 3.9 101.°02 0.°5/ 4.4 18

7 30	23 11.49	− 1 50.3	2.182	3.021	12.8	21.0
8 9	23 7.72	− 2 40.0	2.108	3.026	9.8	20.9
8 19	23 2.32	− 3 43.4	2.056	3.030	6.3	20.7
8 29	22 55.79	− 4 56.6	2.031	3.035	2.5	20.4
9 8	22 48.83	− 6 14.0	2.034	3.040	1.5	20.4
9 18	22 42.20	− 7 29.4	2.066	3.045	5.2	20.6
9 28	22 36.61	− 8 37.0	2.125	3.049	8.7	20.9
10 8	22 32.65	− 9 32.4	2.209	3.054	11.8	21.1

195356 2002 FV_8 9 3.9 196.°92 1.°8/ 5.4 18

7 30	23 18.23	− 1 13.5	1.914	2.746	14.6	19.7
8 9	23 13.08	− 1 9.5	1.834	2.745	11.4	19.5
8 19	23 5.86	− 1 18.7	1.775	2.743	7.7	19.3
8 29	22 57.17	− 1 39.1	1.741	2.741	3.7	19.0
9 8	22 47.86	− 2 7.1	1.735	2.739	2.2	18.9
9 18	22 38.92	− 2 38.0	1.757	2.737	5.8	19.2
9 28	22 31.29	− 3 7.0	1.805	2.734	9.7	19.4
10 8	22 25.69	− 3 29.6	1.877	2.732	13.1	19.6

287026 2002 QU_{92} 9 3.9 339.°75 5.°0/30.9 17

7 30	23 11.82	−13 19.6	1.171	2.072	17.3	20.3
8 9	23 9.37	−14 38.0	1.109	2.063	13.0	20.1
8 19	23 4.06	−16 8.2	1.066	2.054	8.4	19.8
8 29	22 56.61	−17 39.2	1.045	2.047	5.1	19.6
9 8	22 48.27	−18 58.6	1.048	2.040	6.9	19.7
9 18	22 40.48	−19 56.1	1.073	2.034	11.4	19.9
9 28	22 34.63	−20 25.4	1.119	2.029	16.0	20.1
10 8	22 31.66	−20 25.5	1.183	2.025	20.0	20.4

432727 2011 CA_{116} 9 3.9 174.°26 1.°7/ 5.2 17

7 30	23 17.92	− 1 11.8	1.709	2.548	15.7	21.9
8 9	23 13.05	− 1 17.5	1.634	2.550	12.3	21.6
8 19	23 5.94	− 1 38.6	1.580	2.550	8.2	21.4
8 29	22 57.22	− 2 12.4	1.550	2.551	3.9	21.1
9 8	22 47.87	− 2 54.2	1.547	2.551	2.2	21.0
9 18	22 38.94	− 3 38.1	1.571	2.552	6.2	21.3
9 28	22 31.47	− 4 18.1	1.620	2.552	10.4	21.5
10 8	22 26.23	− 4 49.3	1.693	2.551	14.1	21.8

92828 2000 QQ_{182} 9 3.9 173.°02 1.°9/ 1.5 18

7 30	23 14.55	−12 21.9	2.762	3.614	10.0	19.8
8 9	23 9.69	−12 59.5	2.688	3.617	7.5	19.7
8 19	23 3.42	−13 41.2	2.639	3.619	4.7	19.5
8 29	22 56.20	−14 23.1	2.618	3.621	2.2	19.3
9 8	22 48.63	−15 1.1	2.626	3.622	2.9	19.4
9 18	22 41.34	−15 31.7	2.664	3.623	5.5	19.6
9 28	22 34.96	−15 52.2	2.729	3.624	8.2	19.7
10 8	22 29.98	−16 1.2	2.819	3.624	10.6	19.9

400128 2006 UG_{126} 9 3.9 289.°14 2.°8/ 6.6 18

7 30	23 13.16	+ 2 42.7	2.005	2.827	14.4	21.7
8 9	23 9.23	+ 2 35.5	1.918	2.820	11.4	21.5
8 19	23 3.44	+ 2 11.8	1.853	2.813	8.0	21.2
8 29	22 56.29	+ 1 33.2	1.812	2.806	4.5	21.0
9 8	22 48.54	+ 0 43.4	1.797	2.799	2.8	20.9
9 18	22 41.06	− 0 12.4	1.811	2.792	5.5	21.1
9 28	22 34.72	− 1 8.2	1.850	2.785	9.1	21.3
10 8	22 30.19	− 1 58.1	1.914	2.778	12.5	21.5

374833 2006 UT_{240} 9 3.9 323.°04 6.°0/30.4 18

7 30	23 12.19	−15 29.4	1.144	2.048	17.4	20.0
8 9	23 9.95	−16 40.4	1.069	2.024	13.3	19.6
8 19	23 4.65	−18 2.0	1.014	2.002	8.9	19.3
8 29	22 56.93	−19 23.3	0.981	1.980	6.0	19.1
9 8	22 48.04	−20 31.4	0.970	1.959	7.9	19.2
9 18	22 39.52	−21 15.7	0.981	1.939	12.5	19.3
9 28	22 32.97	−21 29.6	1.011	1.921	17.4	19.6
10 8	22 29.52	−21 12.3	1.059	1.903	21.7	19.8

291536 2006 EJ_{40} 9 3.9 107.°98 1.°1/ 4.9 16

7 30	23 15.62	− 1 34.3	1.843	2.683	14.7	21.8
8 9	23 11.08	− 1 58.6	1.775	2.692	11.4	21.6
8 19	23 4.56	− 2 37.7	1.728	2.701	7.5	21.4
8 29	22 56.68	− 3 28.0	1.707	2.709	3.3	21.1
9 8	22 48.31	− 4 24.1	1.713	2.718	1.8	21.1
9 18	22 40.38	− 5 19.9	1.746	2.726	5.8	21.3
9 28	22 33.80	− 6 9.6	1.806	2.734	9.7	21.6
10 8	22 29.21	− 6 48.6	1.889	2.742	13.1	21.8

315246 2007 RP_{300} 9 3.9 193.°42 1.°3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.87	− 0 31.1	1.401	2.254	17.8	20.9
8 9	23 11.95	− 1 5.1	1.330	2.254	13.8	20.7
8 19	23 5.47	− 2 0.5	1.279	2.254	9.2	20.4
8 29	22 57.11	− 3 12.9	1.250	2.253	4.0	20.1
9 8	22 47.99	− 4 34.6	1.247	2.253	2.1	20.0
9 18	22 39.34	− 5 56.1	1.270	2.252	7.2	20.3
9 28	22 32.39	− 7 8.2	1.317	2.251	12.1	20.6
10 8	22 28.00	− 8 4.4	1.385	2.250	16.3	20.8

20391 1998 KT_{55} 9 3.9 14.°76 13.°8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.00	−32 37.3	1.130	2.034	17.5	15.4
8 9	23 8.99	−35 4.6	1.108	2.041	15.1	15.3
8 19	23 3.80	−37 14.3	1.105	2.049	13.9	15.3
8 29	22 56.47	−38 50.9	1.122	2.059	14.2	15.3
9 8	22 48.52	−39 44.2	1.159	2.071	15.9	15.5
9 18	22 41.54	−39 51.1	1.214	2.083	18.2	15.7
9 28	22 36.89	−39 15.1	1.285	2.098	20.6	15.9
10 8	22 35.26	−38 3.6	1.371	2.113	22.7	16.1

279493 2011 AA_{11} 9 3.9 103.°52 2.°1/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.05	− 9 26.0	1.644	2.509	15.0	21.1
8 9	23 13.07	−10 17.4	1.588	2.524	11.2	20.9
8 19	23 5.86	−11 18.6	1.555	2.538	7.0	20.7
8 29	22 57.17	−12 22.6	1.546	2.551	2.8	20.5
9 8	22 48.01	−13 22.1	1.565	2.565	3.5	20.6
9 18	22 39.46	−14 10.4	1.610	2.578	7.6	20.8
9 28	22 32.51	−14 43.0	1.681	2.591	11.5	21.1
10 8	22 27.84	−14 58.0	1.773	2.603	14.9	21.4

286588 2002 CD_{263} 9 3.9 94.°08 6.°9/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.86	−23 57.0	1.789	2.661	13.7	20.4
8 9	23 15.06	−25 6.0	1.748	2.679	10.7	20.2
8 19	23 7.02	−26 10.4	1.730	2.697	8.0	20.1
8 29	22 57.57	−27 1.8	1.738	2.714	6.9	20.1
9 8	22 47.76	−27 33.6	1.772	2.731	8.1	20.2
9 18	22 38.71	−27 42.2	1.831	2.747	10.5	20.4
9 28	22 31.37	−27 27.6	1.913	2.764	13.2	20.6
10 8	22 26.37	−26 52.2	2.016	2.780	15.6	20.8

468043 2013 QA_{68} 9 3.9 34.°13 0.°8/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.83	− 4 36.3	0.992	1.884	20.4	20.8
8 9	23 10.09	− 5 29.4	0.952	1.900	15.4	20.5
8 19	23 4.37	− 6 43.0	0.931	1.918	9.6	20.3
8 29	22 56.67	− 8 8.2	0.930	1.937	3.4	20.0
9 8	22 48.42	− 9 32.8	0.952	1.957	3.1	20.1
9 18	22 41.11	−10 45.5	0.997	1.978	8.9	20.5
9 28	22 36.02	−11 38.0	1.063	2.000	14.0	20.8
10 8	22 33.85	−12 6.7	1.148	2.022	18.3	21.2

318751 2005 SS_{35} 9 3.9 299.°54 4.°9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.56	−19 35.4	1.983	2.856	12.5	21.3
8 9	23 11.92	−20 20.8	1.904	2.840	9.6	21.1
8 19	23 5.20	−21 6.9	1.849	2.825	6.7	20.9
8 29	22 56.98	−21 47.3	1.819	2.810	5.0	20.8
9 8	22 48.12	−22 15.6	1.816	2.795	6.1	20.8
9 18	22 39.62	−22 27.2	1.839	2.780	9.0	20.9
9 28	22 32.42	−22 19.8	1.887	2.765	12.2	21.1
10 8	22 27.27	−21 53.7	1.957	2.750	15.0	21.3

47809 2000 EA_{78} 9 3.9 310.°59 2.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.04	−10 11.2	1.305	2.192	16.8	18.9
8 9	23 11.01	−10 57.7	1.223	2.169	12.8	18.6
8 19	23 5.18	−11 58.0	1.160	2.147	8.1	18.3
8 29	22 57.13	−13 5.1	1.120	2.126	3.6	17.9
9 8	22 47.98	−14 9.3	1.104	2.104	4.6	17.9
9 18	22 39.12	−15 1.1	1.112	2.084	9.7	18.2
9 28	22 31.98	−15 33.2	1.142	2.064	14.8	18.4
10 8	22 27.64	−15 41.9	1.192	2.044	19.2	18.6

102831 1999 VK_{189} 9 3.9 12.°80 7.°9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.96	+ 9 59.5	0.984	1.835	23.8	18.1
8 9	23 6.65	+10 30.6	0.931	1.839	19.8	17.9
8 19	23 2.40	+10 25.9	0.893	1.845	15.3	17.6
8 29	22 56.03	+ 9 43.6	0.872	1.853	10.8	17.4
9 8	22 48.84	+ 8 28.7	0.870	1.862	8.0	17.3
9 18	22 42.32	+ 6 51.7	0.890	1.873	9.2	17.4
9 28	22 37.87	+ 5 7.2	0.931	1.886	13.1	17.7
10 8	22 36.36	+ 3 29.5	0.991	1.900	17.4	18.0

147994 1996 GF_{10} 9 3.9 262.°87 0.°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.08	− 5 22.0	1.719	2.574	14.9	21.0
8 9	23 11.86	− 5 57.9	1.630	2.559	11.4	20.7
8 19	23 5.35	− 6 48.2	1.563	2.543	7.3	20.4
8 29	22 57.11	− 7 48.3	1.521	2.527	2.7	20.1
9 8	22 48.04	− 8 51.7	1.506	2.510	2.2	20.0
9 18	22 39.23	− 9 51.2	1.517	2.494	7.0	20.3
9 28	22 31.78	−10 40.1	1.554	2.477	11.5	20.5
10 8	22 26.53	−11 13.9	1.614	2.459	15.3	20.7

287711 2003 QO_{69} 9 3.9 334.°86 1.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.53	− 8 5.0	2.063	2.923	12.6	20.8
8 9	23 8.68	− 8 37.0	1.985	2.917	9.5	20.6
8 19	23 3.05	− 9 18.0	1.931	2.912	5.9	20.4
8 29	22 56.16	−10 3.8	1.902	2.908	2.2	20.2
9 8	22 48.77	−10 49.2	1.901	2.903	2.3	20.2
9 18	22 41.69	−11 29.0	1.927	2.899	6.1	20.4
9 28	22 35.73	−11 58.9	1.979	2.896	9.7	20.6
10 8	22 31.53	−12 16.1	2.054	2.892	12.8	20.8

104875 2000 HZ_{97} 9 3.9 281.°03 1.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.41	− 8 38.0	1.587	2.456	15.3	19.9
8 9	23 12.29	− 9 15.2	1.503	2.440	11.6	19.6
8 19	23 5.71	−10 4.4	1.440	2.423	7.3	19.3
8 29	22 57.27	−11 0.3	1.401	2.407	2.8	19.0
9 8	22 47.95	−11 55.4	1.389	2.391	3.3	19.0
9 18	22 38.94	−12 42.3	1.402	2.374	8.0	19.3
9 28	22 31.41	−13 14.9	1.440	2.358	12.5	19.5
10 8	22 26.28	−13 30.0	1.499	2.341	16.5	19.7

56026 1998 VN_{52} 9 3.9 321.°70 1.°1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.12	− 4 47.1	1.283	2.164	17.4	17.6
8 9	23 7.96	− 5 48.7	1.204	2.147	13.3	17.3
8 19	23 3.17	− 7 12.0	1.145	2.130	8.4	17.0
8 29	22 56.36	− 8 50.4	1.108	2.115	3.1	16.7
9 8	22 48.60	−10 33.5	1.096	2.100	3.2	16.6
9 18	22 41.15	−12 9.2	1.108	2.086	8.7	16.9
9 28	22 35.36	−13 27.1	1.142	2.072	13.9	17.2
10 8	22 32.20	−14 20.6	1.197	2.060	18.5	17.4

180407 2004 BA_{32} 9 3.9 133.°20 0.°7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.48	− 6 42.6	1.783	2.634	14.7	21.1
8 9	23 14.04	− 7 15.7	1.719	2.646	11.1	20.9
8 19	23 6.47	− 7 59.7	1.678	2.657	6.9	20.7
8 29	22 57.45	− 8 49.6	1.662	2.667	2.5	20.4
9 8	22 47.93	− 9 39.3	1.674	2.678	2.3	20.4
9 18	22 38.96	−10 23.0	1.713	2.687	6.6	20.7
9 28	22 31.48	−10 55.7	1.779	2.696	10.6	21.0
10 8	22 26.18	−11 14.7	1.868	2.705	14.0	21.2

389572 2010 WN_4 9 3.9 258.°28 0.°8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.29	− 1 34.0	4.540	5.356	7.0	21.8
8 9	23 3.07	− 1 50.0	4.449	5.352	5.4	21.7
8 19	22 59.10	− 2 12.0	4.383	5.348	3.6	21.6
8 29	22 54.61	− 2 38.7	4.345	5.344	1.7	21.4
9 8	22 49.91	− 3 8.2	4.336	5.340	0.9	21.4
9 18	22 45.33	− 3 38.7	4.357	5.337	2.7	21.5
9 28	22 41.20	− 4 7.9	4.408	5.333	4.6	21.7
10 8	22 37.79	− 4 33.9	4.486	5.329	6.3	21.8

136140 2003 SS_{220} 9 3.9 352.°59 4.°8/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.08	−14 7.8	0.987	1.897	19.0	18.4
8 9	23 10.73	−14 48.9	0.931	1.889	14.4	18.1
8 19	23 5.12	−15 38.6	0.893	1.883	9.3	17.8
8 29	22 57.11	−16 27.1	0.875	1.878	5.1	17.6
9 8	22 48.16	−17 3.5	0.878	1.875	6.5	17.7
9 18	22 39.95	−17 19.1	0.903	1.873	11.5	17.9
9 28	22 34.04	−17 9.8	0.947	1.873	16.5	18.2
10 8	22 31.37	−16 35.7	1.009	1.875	20.9	18.5

202837 2008 SR_{205} 9 3.9 326.°25 2.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.57	+ 3 15.4	1.382	2.234	18.1	19.9
8 9	23 6.61	+ 2 41.9	1.296	2.216	14.4	19.6
8 19	23 2.24	+ 1 41.5	1.229	2.199	10.1	19.3
8 29	22 56.01	+ 0 16.3	1.183	2.182	5.3	19.0
9 8	22 48.87	− 1 26.6	1.162	2.166	2.9	18.8
9 18	22 42.00	− 3 16.8	1.165	2.151	7.0	19.0
9 28	22 36.61	− 5 2.3	1.193	2.137	12.0	19.3
10 8	22 33.64	− 6 32.8	1.242	2.124	16.6	19.5

398261 2010 TK_{13} 9 3.9 251.°82 3.°8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.05	+ 4 38.6	1.579	2.403	17.5	21.6
8 9	23 12.02	+ 4 32.5	1.491	2.392	14.1	21.4
8 19	23 5.56	+ 4 3.9	1.423	2.381	10.2	21.1
8 29	22 57.24	+ 3 13.6	1.377	2.369	6.0	20.8
9 8	22 48.02	+ 2 5.9	1.357	2.357	3.9	20.7
9 18	22 39.08	+ 0 48.1	1.363	2.345	6.8	20.8
9 28	22 31.60	− 0 30.8	1.394	2.333	11.2	21.1
10 8	22 26.48	− 1 42.2	1.448	2.320	15.3	21.3

402097 2003 UP_{317} 9 3.9 342.°49 1.°3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.10	− 9 36.1	1.911	2.776	13.3	21.7
8 9	23 10.01	− 9 51.7	1.834	2.768	10.0	21.5
8 19	23 3.97	−10 14.7	1.779	2.762	6.3	21.2
8 29	22 56.54	−10 41.2	1.750	2.755	2.4	21.0
9 8	22 48.56	−11 6.2	1.747	2.750	2.6	21.0
9 18	22 40.93	−11 25.1	1.772	2.745	6.5	21.2
9 28	22 34.55	−11 34.4	1.822	2.740	10.3	21.4
10 8	22 30.10	−11 31.7	1.894	2.736	13.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
93004	2000 RB_{86}		9 3.9	89.°16	4.°0/ 1.1	18
	h m	° ′			°	m
7 30	23 23.47	−16 51.8	1.678	2.546	14.7	18.2
8 9	23 17.13	−17 13.4	1.623	2.557	11.1	18.0
8 19	23 8.42	−17 36.1	1.589	2.569	7.2	17.8
8 29	22 58.17	−17 53.6	1.581	2.580	4.2	17.6
9 8	22 47.49	−18 0.3	1.600	2.591	5.1	17.7
9 18	22 37.55	−17 52.7	1.646	2.603	8.5	17.9
9 28	22 29.40	−17 29.6	1.717	2.614	12.1	18.2
10 8	22 23.72	−16 51.8	1.810	2.625	15.3	18.4
521119	2015 DA_{247}		9 3.9	145.°16	1.°0/ 3.1	17
7 30	23 18.96	− 8 4.0	1.726	2.583	14.8	21.8
8 9	23 13.79	− 8 28.1	1.657	2.588	11.2	21.6
8 19	23 6.40	− 9 2.1	1.611	2.592	7.0	21.3
8 29	22 57.46	− 9 41.1	1.590	2.595	2.6	21.1
9 8	22 47.95	−10 19.2	1.595	2.599	2.5	21.1
9 18	22 38.93	−10 50.8	1.628	2.602	6.9	21.3
9 28	22 31.44	−11 11.6	1.687	2.605	11.0	21.6
10 8	22 26.18	−11 19.0	1.768	2.608	14.5	21.8
99420	2002 AY_{158}		9 3.9	87.°22	6.°6/ 9.3	17
7 30	23 20.19	+ 9 45.6	1.769	2.552	17.5	19.1
8 9	23 14.71	+10 36.2	1.700	2.565	14.6	18.9
8 19	23 6.99	+11 6.2	1.651	2.578	11.3	18.7
8 29	22 57.69	+11 13.9	1.625	2.590	8.3	18.6
9 8	22 47.79	+11 0.5	1.624	2.603	6.6	18.5
9 18	22 38.37	+10 29.7	1.649	2.615	7.6	18.6
9 28	22 30.45	+ 9 47.8	1.700	2.627	10.3	18.8
10 8	22 24.78	+ 9 2.2	1.774	2.639	13.3	19.0
191914	2005 MT_{14}		9 3.9	312.°34	1.°0/ 2.0	17
7 30	23 6.37	−10 21.9	4.258	5.107	6.8	20.1
8 9	23 3.20	−10 55.5	4.176	5.104	5.1	20.0
8 19	22 59.21	−11 32.5	4.121	5.101	3.1	19.8
8 29	22 54.66	−12 10.8	4.094	5.099	1.3	19.7
9 8	22 49.91	−12 47.8	4.097	5.096	1.6	19.7
9 18	22 45.28	−13 21.3	4.130	5.094	3.5	19.9
9 28	22 41.15	−13 49.2	4.191	5.091	5.5	20.0
10 8	22 37.81	−14 10.0	4.278	5.089	7.2	20.1
278498	2007 XW_{57}		9 3.9	295.°97	4.°9/31.3	18
7 30	23 17.31	−14 48.0	1.315	2.203	16.6	20.4
8 9	23 13.46	−15 47.3	1.242	2.189	12.6	20.1
8 19	23 6.69	−16 55.0	1.189	2.174	8.3	19.8
8 29	22 57.71	−18 1.8	1.160	2.160	5.1	19.6
9 8	22 47.74	−18 57.4	1.155	2.146	6.5	19.7
9 18	22 38.21	−19 33.0	1.174	2.132	10.9	19.9
9 28	22 30.57	−19 43.9	1.214	2.119	15.4	20.1
10 8	22 25.82	−19 29.4	1.274	2.106	19.5	20.3
245345	2005 EH_{192}		9 3.9	330.°85	1.°2/ 4.9	18
7 30	23 13.01	− 1 36.8	1.630	2.482	15.8	20.6
8 9	23 9.53	− 1 56.1	1.552	2.475	12.2	20.4
8 19	23 3.85	− 2 32.1	1.494	2.468	8.1	20.1
8 29	22 56.56	− 3 21.7	1.459	2.462	3.6	19.8
9 8	22 48.58	− 4 19.1	1.451	2.456	1.9	19.7
9 18	22 40.94	− 5 17.5	1.468	2.451	6.4	20.0
9 28	22 34.70	− 6 9.8	1.511	2.446	10.8	20.2
10 8	22 30.63	− 6 50.5	1.576	2.441	14.6	20.4
330544	2008 AZ_{63}		9 3.9	213.°77	1.°3/ 2.8	17
7 30	23 16.90	− 6 44.3	1.655	2.515	15.2	22.2
8 9	23 12.46	− 7 36.2	1.579	2.511	11.5	22.0
8 19	23 5.71	− 8 42.0	1.524	2.506	7.2	21.7
8 29	22 57.26	− 9 55.8	1.495	2.501	2.7	21.4
9 8	22 48.10	−11 9.6	1.493	2.495	2.9	21.5
9 18	22 39.32	−12 15.7	1.517	2.490	7.5	21.7
9 28	22 32.02	−13 7.4	1.567	2.483	11.8	22.0
10 8	22 27.00	−13 41.0	1.638	2.476	15.5	22.2
347468	2012 TU_{314}		9 3.9	339.°65	1.°4/ 2.9	18
7 30	23 13.84	− 9 5.8	1.269	2.155	17.2	19.2
8 9	23 10.78	− 9 15.5	1.196	2.141	13.1	18.9
8 19	23 4.96	− 9 36.4	1.141	2.128	8.3	18.6
8 29	22 57.05	−10 3.5	1.109	2.116	3.1	18.3
9 8	22 48.23	−10 29.8	1.101	2.105	3.2	18.2
9 18	22 39.85	−10 48.6	1.116	2.095	8.5	18.5
9 28	22 33.27	−10 54.3	1.154	2.087	13.5	18.8
10 8	22 29.46	−10 44.0	1.211	2.079	17.9	19.0
429498	2011 AK_{58}		9 3.9	214.°20	0.°1/ 4.0	17
7 30	23 18.47	− 4 37.0	1.831	2.676	14.6	22.1
8 9	23 13.45	− 5 0.9	1.748	2.670	11.2	21.8
8 19	23 6.25	− 5 37.7	1.687	2.664	7.2	21.6
8 29	22 57.46	− 6 23.5	1.652	2.657	2.8	21.3
9 8	22 47.97	− 7 12.9	1.644	2.650	1.9	21.2
9 18	22 38.82	− 7 59.8	1.664	2.642	6.4	21.5
9 28	22 31.03	− 8 38.6	1.711	2.633	10.6	21.7
10 8	22 25.36	− 9 5.4	1.780	2.624	14.2	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
387920	2005 AJ_{35}		9 3.9	329.°40	6.°3/28.5	18
	h m	° ′			°	m
7 30	23 9.76	−15 53.9	1.399	2.297	15.2	19.3
8 9	23 7.55	−17 53.3	1.332	2.283	11.5	19.0
8 19	23 2.83	−20 3.0	1.286	2.270	7.9	18.8
8 29	22 56.24	−22 10.8	1.265	2.258	6.3	18.7
9 8	22 48.81	−24 3.4	1.269	2.246	8.3	18.8
9 18	22 41.75	−25 30.3	1.296	2.235	12.1	18.9
9 28	22 36.29	−26 24.9	1.345	2.225	16.0	19.1
10 8	22 33.33	−26 46.4	1.412	2.215	19.4	19.4
374844	2006 UK_{281}		9 3.9	263.°34	1.°2/ 4.9	15
7 30	23 16.45	− 1 28.8	1.685	2.528	15.7	22.4
8 9	23 12.25	− 1 51.3	1.592	2.511	12.3	22.1
8 19	23 5.69	− 2 31.2	1.520	2.493	8.2	21.9
8 29	22 57.31	− 3 25.6	1.472	2.474	3.6	21.6
9 8	22 48.04	− 4 28.8	1.450	2.456	2.0	21.4
9 18	22 38.97	− 5 33.8	1.456	2.436	6.6	21.7
9 28	22 31.25	− 6 32.9	1.487	2.417	11.3	21.9
10 8	22 25.79	− 7 20.0	1.540	2.397	15.4	22.1
382413	1997 WT_{12}		9 3.9	313.°83	1.°2/ 3.0	18
7 30	23 14.57	− 7 38.4	1.389	2.265	16.6	21.0
8 9	23 11.24	− 8 3.6	1.305	2.246	12.7	20.7
8 19	23 5.24	− 8 42.5	1.242	2.227	8.1	20.4
8 29	22 57.18	− 9 30.2	1.201	2.208	3.0	20.0
9 8	22 48.13	−10 19.2	1.186	2.190	3.0	20.0
9 18	22 39.38	−11 1.6	1.194	2.172	8.3	20.2
9 28	22 32.26	−11 30.6	1.226	2.155	13.3	20.5
10 8	22 27.76	−11 42.1	1.278	2.138	17.7	20.7
244607	2002 YX_{34}		9 3.9	345.°63	9.°2/12.1	18
7 30	23 9.55	+14 56.3	1.484	2.272	20.1	18.9
8 9	23 7.27	+15 43.4	1.402	2.261	17.4	18.7
8 19	23 2.62	+16 2.3	1.337	2.251	14.4	18.5
8 29	22 56.17	+15 49.4	1.291	2.243	11.4	18.3
9 8	22 48.86	+15 4.8	1.266	2.235	9.4	18.2
9 18	22 41.83	+13 52.9	1.264	2.229	9.6	18.2
9 28	22 36.27	+12 22.7	1.285	2.224	12.0	18.3
10 8	22 33.06	+10 45.7	1.328	2.220	15.1	18.5
151430	Nemunas		9 3.9	157.°18	0.°9/ 2.8	18
7 30	23 13.50	− 7 45.6	2.514	3.362	11.0	21.2
8 9	23 9.06	− 8 23.3	2.440	3.366	8.3	21.0
8 19	23 3.15	− 9 8.6	2.390	3.370	5.2	20.9
8 29	22 56.21	− 9 57.7	2.368	3.373	1.9	20.6
9 8	22 48.90	−10 46.2	2.374	3.376	2.0	20.7
9 18	22 41.88	−11 29.7	2.409	3.379	5.2	20.9
9 28	22 35.82	−12 4.7	2.471	3.382	8.3	21.1
10 8	22 31.23	−12 28.6	2.559	3.384	11.0	21.3
192457	1998 BM_{33}		9 3.9	144.°58	2.°9/31.9	18
7 30	23 17.85	−13 5.9	2.117	2.977	12.3	20.0
8 9	23 12.57	−14 0.6	2.055	2.987	9.2	19.9
8 19	23 5.45	−15 0.3	2.016	2.997	5.8	19.7
8 29	22 57.09	−15 59.3	2.005	3.006	3.1	19.5
9 8	22 48.31	−16 51.4	2.022	3.015	4.0	19.6
9 18	22 39.98	−17 31.7	2.067	3.023	7.1	19.8
9 28	22 32.91	−17 57.0	2.139	3.030	10.3	20.0
10 8	22 27.72	−18 6.2	2.233	3.037	13.1	20.2
133247	2003 RK_6		9 3.9	113.°57	1.°6/ 2.7	18
7 30	23 22.07	−11 23.8	1.820	2.676	14.2	19.5
8 9	23 16.02	−11 27.6	1.752	2.681	10.7	19.3
8 19	23 7.76	−11 36.6	1.706	2.686	6.7	19.1
8 29	22 57.99	−11 46.5	1.686	2.691	2.7	18.9
9 8	22 47.70	−11 52.9	1.694	2.696	2.9	18.9
9 18	22 37.97	−11 52.1	1.730	2.700	6.9	19.2
9 28	22 29.79	−11 41.4	1.792	2.705	10.8	19.4
10 8	22 23.86	−11 20.0	1.877	2.709	14.1	19.6
434910	2006 TG_{54}		9 3.9	302.°53	4.°8/ 7.7	17
7 30	23 12.49	+ 6 7.5	1.407	2.240	18.8	21.4
8 9	23 9.67	+ 6 6.5	1.317	2.221	15.4	21.1
8 19	23 4.28	+ 5 39.4	1.245	2.202	11.4	20.8
8 29	22 56.85	+ 4 45.6	1.194	2.184	7.1	20.5
9 8	22 48.39	+ 3 29.3	1.167	2.165	4.8	20.3
9 18	22 40.13	+ 1 58.4	1.164	2.147	7.4	20.4
9 28	22 33.38	+ 0 23.7	1.185	2.130	12.0	20.6
10 8	22 29.17	− 1 3.9	1.227	2.113	16.5	20.9
316478	2010 VW_{36}		9 3.9	233.°59	0.°6/ 3.1	18
7 30	23 13.06	− 6 53.5	2.637	3.481	10.7	21.6
8 9	23 8.77	− 7 29.4	2.548	3.471	8.1	21.4
8 19	23 3.01	− 8 13.6	2.482	3.460	5.1	21.2
8 29	22 56.20	− 9 2.7	2.444	3.450	1.9	21.0
9 8	22 48.93	− 9 52.4	2.435	3.438	1.8	20.9
9 18	22 41.86	−10 38.6	2.455	3.427	5.0	21.1
9 28	22 35.66	−11 17.2	2.503	3.415	8.1	21.3
10 8	22 30.85	−11 45.6	2.576	3.403	10.9	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4859 Fraknoi			9 3.9	277.°23	3.°1/ 1.3	18
	h m	° ′			°	m
7 30	23 15.46	−10 1.2	1.442	2.321	16.0	17.1
8 9	23 11.84	−11 9.8	1.363	2.306	12.1	16.8
8 19	23 5.58	−12 32.7	1.305	2.290	7.6	16.5
8 29	22 57.32	−14 1.8	1.271	2.275	3.6	16.2
9 8	22 48.12	−15 27.0	1.262	2.260	4.8	16.3
9 18	22 39.24	−16 38.3	1.279	2.244	9.4	16.5
9 28	22 31.98	−17 28.5	1.319	2.229	14.1	16.7
10 8	22 27.30	−17 54.3	1.379	2.213	18.1	17.0
344491 2002 QU_{79}			9 3.9	75.°62	1.°3/ 2.8	18
7 30	23 17.68	− 8 54.4	1.776	2.637	14.3	20.8
8 9	23 12.69	− 9 19.3	1.717	2.649	10.7	20.6
8 19	23 5.63	− 9 52.7	1.680	2.661	6.7	20.4
8 29	22 57.19	−10 29.7	1.668	2.673	2.5	20.1
9 8	22 48.30	−11 4.6	1.683	2.686	2.6	20.2
9 18	22 39.97	−11 32.4	1.725	2.698	6.7	20.4
9 28	22 33.12	−11 49.3	1.793	2.710	10.5	20.7
10 8	22 28.38	−11 53.2	1.884	2.722	13.8	20.9
208892 2002 TD_{116}			9 3.9	333.°95	5.°7/ 9.3	18
7 30	23 14.92	+ 9 38.2	1.926	2.713	16.1	20.0
8 9	23 10.70	+10 3.1	1.843	2.712	13.4	19.8
8 19	23 4.48	+10 7.9	1.780	2.711	10.4	19.6
8 29	22 56.81	+ 9 51.7	1.740	2.710	7.4	19.4
9 8	22 48.51	+ 9 16.4	1.725	2.709	5.8	19.3
9 18	22 40.51	+ 8 26.2	1.737	2.708	6.8	19.4
9 28	22 33.74	+ 7 27.5	1.774	2.708	9.6	19.5
10 8	22 28.91	+ 6 27.5	1.836	2.707	12.6	19.7
106127 2000 TM_{36}			9 3.9	237.°27	0.°6/ 3.2	18
7 30	23 13.51	− 6 35.2	2.435	3.281	11.4	20.1
8 9	23 9.23	− 7 11.2	2.347	3.271	8.6	19.9
8 19	23 3.35	− 7 56.4	2.283	3.261	5.4	19.7
8 29	22 56.35	− 8 47.1	2.246	3.251	2.0	19.5
9 8	22 48.84	− 9 38.7	2.237	3.241	1.8	19.4
9 18	22 41.56	−10 26.6	2.257	3.230	5.3	19.7
9 28	22 35.23	−11 6.6	2.305	3.219	8.6	19.8
10 8	22 30.41	−11 35.5	2.377	3.208	11.5	20.0
59270 1999 CT_{37}			9 3.9	345.°55	2.°2/ 2.3	18
7 30	23 11.07	− 7 27.2	1.028	1.926	19.3	18.0
8 9	23 9.12	− 8 19.9	0.966	1.918	14.6	17.7
8 19	23 4.11	− 9 32.0	0.922	1.911	9.2	17.3
8 29	22 56.80	−10 55.2	0.898	1.905	3.5	17.0
9 8	22 48.52	−12 17.4	0.897	1.900	4.2	17.0
9 18	22 40.82	−13 26.4	0.918	1.896	10.0	17.4
9 28	22 35.20	−14 13.2	0.960	1.894	15.5	17.6
10 8	22 32.66	−14 33.5	1.019	1.892	20.2	17.9
367474 2009 DN_{106}			9 3.9	144.°70	2.°2/ 2.2	17
7 30	23 21.65	−10 23.4	1.572	2.435	15.7	21.7
8 9	23 16.02	−11 1.4	1.510	2.443	11.8	21.5
8 19	23 7.91	−11 48.2	1.469	2.451	7.4	21.2
8 29	22 58.10	−12 37.5	1.453	2.458	3.1	21.0
9 8	22 47.69	−13 22.0	1.464	2.464	3.7	21.0
9 18	22 37.90	−13 55.5	1.502	2.470	8.0	21.3
9 28	22 29.87	−14 13.6	1.565	2.476	12.2	21.6
10 8	22 24.35	−14 14.9	1.649	2.480	15.8	21.8
490532 2009 VZ_{17}			9 3.9	339.°54	3.°0/ 5.6	18
7 30	23 10.81	− 1 52.7	1.043	1.928	20.2	20.3
8 9	23 9.04	− 1 19.2	0.967	1.907	16.1	20.0
8 19	23 4.20	− 1 4.2	0.909	1.889	11.1	19.7
8 29	22 56.91	− 1 7.3	0.869	1.871	5.7	19.3
9 8	22 48.41	− 1 24.4	0.851	1.856	3.4	19.1
9 18	22 40.25	− 1 49.2	0.855	1.843	8.4	19.4
9 28	22 34.07	− 2 13.4	0.879	1.831	14.1	19.6
10 8	22 31.03	− 2 29.2	0.921	1.821	19.2	19.9
351067 2003 SG_{430}			9 3.9	277.°27	2.°7/ 1.5	18
7 30	23 17.17	−12 19.9	1.896	2.761	13.3	21.4
8 9	23 12.58	−12 58.1	1.805	2.740	10.1	21.1
8 19	23 5.79	−13 43.5	1.737	2.719	6.4	20.9
8 29	22 57.36	−14 30.6	1.694	2.698	3.1	20.6
9 8	22 48.14	−15 13.2	1.679	2.676	4.0	20.6
9 18	22 39.15	−15 45.3	1.691	2.654	7.8	20.8
9 28	22 31.43	−16 2.6	1.728	2.632	11.6	21.0
10 8	22 25.79	−16 3.3	1.787	2.610	15.1	21.2
263032 2007 FE_{42}			9 3.9	108.°27	1.°8/ 6.1	18
7 30	23 11.44	+ 1 46.3	2.333	3.153	12.7	20.4
8 9	23 7.67	+ 1 16.2	2.253	3.156	9.9	20.2
8 19	23 2.36	+ 0 31.4	2.195	3.158	6.8	20.0
8 29	22 55.97	− 0 25.4	2.163	3.161	3.5	19.8
9 8	22 49.16	− 1 30.1	2.160	3.163	1.9	19.7
9 18	22 42.62	− 2 37.3	2.184	3.166	4.7	19.9
9 28	22 37.06	− 3 41.7	2.237	3.168	8.0	20.1
10 8	22 33.01	− 4 38.3	2.314	3.170	10.9	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
349761 2009 AR_{22}			9 3.9	224.°66	1.°9/ 2.0	18
	h m	° ′			°	m
7 30	23 14.22	− 9 3.0	1.854	2.719	13.6	20.7
8 9	23 10.17	− 9 58.2	1.783	2.718	10.2	20.5
8 19	23 4.13	−11 3.5	1.734	2.717	6.4	20.3
8 29	22 56.68	−12 13.1	1.711	2.716	2.6	20.0
9 8	22 48.67	−13 20.0	1.715	2.715	3.3	20.1
9 18	22 41.04	−14 17.5	1.746	2.714	7.1	20.3
9 28	22 34.70	−15 0.5	1.803	2.713	10.9	20.5
10 8	22 30.34	−15 26.4	1.883	2.712	14.2	20.7
92106 1999 XH_{55}			9 3.9	342.°68	11.°0/20.9	18
7 30	23 18.65	−40 2.5	2.122	2.967	12.9	18.6
8 9	23 13.70	−41 37.4	2.084	2.964	11.6	18.5
8 19	23 6.41	−42 57.3	2.069	2.962	11.0	18.4
8 29	22 57.53	−43 53.8	2.076	2.960	11.3	18.4
9 8	22 48.12	−44 21.1	2.106	2.959	12.3	18.5
9 18	22 39.32	−44 17.1	2.157	2.957	13.8	18.6
9 28	22 32.19	−43 43.0	2.227	2.956	15.4	18.7
10 8	22 27.42	−42 43.2	2.313	2.955	16.8	18.9
387827 2004 GA_{40}			9 3.9	298.°06	19.°9/26.3	17
7 30	23 45.00	−44 17.4	0.990	1.841	23.7	19.8
8 9	23 36.55	−45 35.6	0.943	1.829	21.7	19.6
8 19	23 22.20	−46 22.7	0.911	1.816	20.3	19.5
8 29	23 3.65	−46 17.1	0.896	1.804	20.0	19.4
9 8	22 44.06	−45 5.2	0.898	1.793	21.0	19.5
9 18	22 26.83	−42 47.5	0.918	1.781	23.2	19.6
9 28	22 14.42	−39 37.4	0.955	1.771	25.9	19.7
10 8	22 7.66	−35 53.9	1.006	1.760	28.5	19.9
3539 Weimar			9 3.9	52.°63	3.°0/31.9	18
7 30	23 12.54	− 8 54.1	1.529	2.406	15.3	16.2
8 9	23 9.13	−10 32.3	1.478	2.421	11.3	16.0
8 19	23 3.53	−12 22.8	1.450	2.436	7.0	15.8
8 29	22 56.45	−14 16.3	1.447	2.451	3.3	15.6
9 8	22 48.88	−16 1.8	1.471	2.467	4.6	15.7
9 18	22 41.88	−17 30.5	1.521	2.483	8.6	16.0
9 28	22 36.42	−18 36.4	1.596	2.500	12.4	16.2
10 8	22 33.17	−19 17.2	1.691	2.516	15.7	16.5
340309 2006 DD_2			9 3.9	167.°92	0.°0/ 3.9	17
7 30	23 17.07	− 4 53.1	1.916	2.762	14.0	21.5
8 9	23 12.23	− 5 16.0	1.842	2.765	10.7	21.3
8 19	23 5.40	− 5 50.5	1.790	2.767	6.8	21.1
8 29	22 57.16	− 6 33.0	1.763	2.768	2.6	20.8
9 8	22 48.38	− 7 18.1	1.764	2.769	1.8	20.8
9 18	22 39.98	− 8 0.5	1.793	2.770	6.0	21.1
9 28	22 32.90	− 8 35.1	1.848	2.771	9.9	21.3
10 8	22 27.79	− 8 58.5	1.927	2.772	13.3	21.5
474711 2005 GC_{216}			9 3.9	324.°98	2.°8/ 1.4	18 R
7 30	23 16.84	−12 59.8	1.849	2.717	13.5	21.4
8 9	23 12.15	−13 37.5	1.780	2.717	10.1	21.2
8 19	23 5.38	−14 20.8	1.734	2.716	6.4	21.0
8 29	22 57.15	−15 4.1	1.713	2.716	3.2	20.8
9 8	22 48.39	−15 41.1	1.720	2.715	4.0	20.8
9 18	22 40.06	−16 6.8	1.753	2.715	7.6	21.0
9 28	22 33.12	−16 17.7	1.811	2.715	11.2	21.3
10 8	22 28.26	−16 12.8	1.892	2.714	14.4	21.5
202715 2007 HF_{16}			9 3.9	11.°68	5.°0/31.3	18
7 30	23 10.07	−13 51.2	1.044	1.954	18.1	18.4
8 9	23 8.12	−14 55.6	1.000	1.958	13.6	18.1
8 19	23 3.28	−16 8.4	0.975	1.965	8.7	17.9
8 29	22 56.42	−17 18.6	0.971	1.973	5.2	17.7
9 8	22 48.93	−18 15.0	0.989	1.983	6.7	17.9
9 18	22 42.23	−18 49.1	1.029	1.994	11.1	18.2
9 28	22 37.61	−18 56.9	1.089	2.008	15.5	18.5
10 8	22 35.83	−18 38.7	1.167	2.022	19.3	18.7
184959 2005 WW_{118}			9 3.9	278.°96	5.°1/29.6	18
7 30	23 16.17	−20 47.8	2.154	3.025	11.7	20.3
8 9	23 11.48	−21 40.8	2.082	3.016	9.0	20.1
8 19	23 4.89	−22 33.5	2.035	3.008	6.5	19.9
8 29	22 56.97	−23 19.6	2.014	2.999	5.1	19.8
9 8	22 48.52	−23 53.1	2.019	2.991	6.2	19.9
9 18	22 40.43	−24 9.8	2.052	2.983	8.8	20.0
9 28	22 33.58	−24 7.7	2.109	2.974	11.6	20.2
10 8	22 28.60	−23 47.2	2.187	2.966	14.1	20.4
396920 2005 EZ_{118}			9 3.9	195.°18	3.°0/ 7.7	18
7 30	23 13.75	+ 6 19.2	2.417	3.209	13.1	21.5
8 9	23 9.42	+ 5 52.2	2.326	3.206	10.6	21.3
8 19	23 3.49	+ 5 7.9	2.257	3.203	7.7	21.1
8 29	22 56.43	+ 4 7.8	2.214	3.200	4.7	21.0
9 8	22 48.88	+ 2 55.8	2.198	3.196	3.0	20.8
9 18	22 41.56	+ 1 36.9	2.212	3.191	4.9	21.0
9 28	22 35.20	+ 0 17.3	2.255	3.186	7.9	21.1
10 8	22 30.37	− 0 57.1	2.323	3.181	10.8	21.3

18251 3207 $T\text{-}_2$ 9 3.9 184.°26 4.°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.53	−15 14.1	1.587	2.458	15.1	18.9
8 9	23 16.05	−16 5.0	1.521	2.459	11.5	18.7
8 19	23 8.03	−17 0.8	1.478	2.459	7.5	18.4
8 29	22 58.20	−17 53.7	1.459	2.458	4.4	18.3
9 8	22 47.70	−18 35.7	1.467	2.458	5.6	18.3
9 18	22 37.77	−19 0.9	1.501	2.456	9.3	18.6
9 28	22 29.59	−19 6.0	1.559	2.454	13.2	18.8
10 8	22 23.96	−18 51.1	1.638	2.452	16.6	19.0

138869 2000 XL_{16} 9 3.9 338.°95 3.°4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.37	+ 2 9.7	1.867	2.692	15.2	19.6
8 9	23 11.09	+ 2 34.4	1.784	2.685	12.1	19.4
8 19	23 4.78	+ 2 44.3	1.721	2.680	8.7	19.2
8 29	22 56.97	+ 2 39.8	1.683	2.674	5.1	19.0
9 8	22 48.51	+ 2 23.3	1.670	2.669	3.5	18.9
9 18	22 40.36	+ 1 58.6	1.685	2.665	6.0	19.0
9 28	22 33.45	+ 1 31.0	1.725	2.661	9.6	19.2
10 8	22 28.54	+ 1 5.6	1.789	2.657	13.0	19.4

470578 2008 HD_{28} 9 3.9 111.°08 0.°8/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.66	− 2 27.4	1.683	2.526	15.8	22.6
8 9	23 13.56	− 2 51.6	1.621	2.540	12.1	22.4
8 19	23 6.26	− 3 30.7	1.580	2.554	7.9	22.2
8 29	22 57.49	− 4 20.9	1.564	2.568	3.3	21.9
9 8	22 48.21	− 5 15.8	1.576	2.581	1.8	21.9
9 18	22 39.50	− 6 9.2	1.614	2.594	6.2	22.2
9 28	22 32.34	− 6 54.9	1.679	2.606	10.4	22.5
10 8	22 27.40	− 7 28.6	1.766	2.618	13.9	22.7

471662 2012 TH_{145} 9 3.9 296.°75 3.°3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.18	−15 18.5	1.614	2.482	15.1	21.4
8 9	23 17.41	−15 23.8	1.534	2.469	11.5	21.1
8 19	23 8.98	−15 31.4	1.475	2.456	7.5	20.8
8 29	22 58.60	−15 35.9	1.441	2.443	3.8	20.6
9 8	22 47.40	−15 31.5	1.433	2.430	4.5	20.6
9 18	22 36.67	−15 14.4	1.453	2.418	8.6	20.8
9 28	22 27.65	−14 42.6	1.497	2.405	12.8	21.0
10 8	22 21.24	−13 56.6	1.563	2.393	16.5	21.2

87364 2000 QA_{46} 9 3.9 17.°23 0.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.35	− 3 10.0	1.823	2.673	14.4	19.8
8 9	23 9.51	− 3 31.8	1.751	2.675	11.1	19.5
8 19	23 3.71	− 4 7.3	1.701	2.677	7.2	19.3
8 29	22 56.54	− 4 52.7	1.676	2.680	3.0	19.1
9 8	22 48.85	− 5 42.9	1.678	2.684	1.7	19.0
9 18	22 41.54	− 6 31.8	1.707	2.687	5.9	19.3
9 28	22 35.52	− 7 13.9	1.761	2.691	9.8	19.5
10 8	22 31.45	− 7 45.1	1.838	2.695	13.3	19.7

386079 2007 JM_{24} 9 3.9 352.°26 5.°4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.13	−14 40.4	1.509	2.398	14.8	20.9
8 9	23 9.09	−16 35.1	1.449	2.396	11.1	20.7
8 19	23 3.69	−18 38.8	1.411	2.395	7.4	20.5
8 29	22 56.59	−20 40.3	1.399	2.394	5.4	20.4
9 8	22 48.80	−22 27.9	1.412	2.393	7.2	20.5
9 18	22 41.46	−23 52.1	1.451	2.392	10.8	20.7
9 28	22 35.68	−24 47.5	1.512	2.392	14.5	20.9
10 8	22 32.25	−25 13.3	1.592	2.392	17.6	21.1

292917 2006 VD_{62} 9 3.9 51.°84 3.°7/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.42	+ 3 25.6	1.277	2.121	19.7	19.8
8 9	23 12.38	+ 3 23.7	1.225	2.139	15.6	19.5
8 19	23 5.73	+ 2 57.5	1.192	2.157	10.9	19.3
8 29	22 57.32	+ 2 9.8	1.180	2.175	6.1	19.1
9 8	22 48.36	+ 1 7.1	1.192	2.194	3.8	19.0
9 18	22 40.14	− 0 2.0	1.229	2.213	7.1	19.3
9 28	22 33.81	− 1 8.1	1.290	2.232	11.5	19.6
10 8	22 30.12	− 2 3.7	1.372	2.252	15.5	19.9

443740 2015 LF_{32} 9 3.9 356.°57 2.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.63	+ 0 23.2	1.816	2.649	15.2	21.0
8 9	23 11.29	+ 0 27.4	1.738	2.648	12.0	20.7
8 19	23 4.88	+ 0 16.5	1.682	2.648	8.2	20.5
8 29	22 57.01	− 0 7.9	1.650	2.647	4.3	20.3
9 8	22 48.53	− 0 41.9	1.644	2.647	2.6	20.2
9 18	22 40.42	− 1 20.6	1.665	2.647	5.8	20.4
9 28	22 33.62	− 1 58.2	1.713	2.647	9.7	20.6
10 8	22 28.85	− 2 29.7	1.783	2.648	13.2	20.8

142575 2002 TP_{85} 9 3.9 321.°61 1.°5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.25	− 6 18.1	1.598	2.470	15.0	19.1
8 9	23 7.61	− 7 24.0	1.515	2.454	11.4	18.9
8 19	23 2.76	− 8 46.5	1.454	2.439	7.1	18.6
8 29	22 56.27	−10 19.3	1.417	2.424	2.7	18.3
9 8	22 49.01	−11 53.6	1.407	2.409	3.2	18.3
9 18	22 42.02	−13 20.0	1.422	2.395	7.8	18.5
9 28	22 36.38	−14 30.4	1.462	2.382	12.2	18.7
10 8	22 32.90	−15 19.8	1.523	2.369	16.1	19.0

252146 2001 AE_{50} 9 3.9 286.°49 2.°8/ 3.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 39.01	−16 18.7	1.003	1.876	21.7	19.7
8 9	23 31.11	−15 24.2	0.928	1.865	17.0	19.4
8 19	23 18.60	−14 24.4	0.872	1.853	11.1	19.0
8 29	23 2.47	−13 13.7	0.838	1.842	4.8	18.7
9 8	22 44.75	−11 48.2	0.828	1.831	4.5	18.6
9 18	22 27.96	−10 9.3	0.844	1.820	11.0	18.9
9 28	22 14.44	− 8 21.1	0.883	1.809	17.4	19.2
10 8	22 5.51	− 6 28.6	0.940	1.798	22.7	19.5

346677 2008 YK_{36} 9 3.9 313.°14 1.°9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.54	− 0 45.3	1.727	2.568	15.5	21.1
8 9	23 11.37	− 0 46.6	1.646	2.562	12.2	20.9
8 19	23 5.02	− 1 3.3	1.587	2.557	8.2	20.6
8 29	22 57.09	− 1 33.2	1.551	2.551	4.0	20.4
9 8	22 48.48	− 2 12.0	1.542	2.546	2.3	20.2
9 18	22 40.20	− 2 54.2	1.559	2.542	6.1	20.5
9 28	22 33.29	− 3 33.7	1.602	2.537	10.3	20.7
10 8	22 28.51	− 4 5.3	1.668	2.532	14.0	20.9

193573 2001 AM_{42} 9 3.9 305.°26 3.°3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.53	−12 33.4	1.533	2.410	15.3	20.2
8 9	23 12.72	−13 11.5	1.438	2.380	11.7	19.9
8 19	23 6.26	−13 59.0	1.365	2.349	7.5	19.6
8 29	22 57.68	−14 49.3	1.315	2.319	3.7	19.3
9 8	22 48.00	−15 34.5	1.291	2.288	4.8	19.3
9 18	22 38.46	−16 6.9	1.292	2.258	9.3	19.4
9 28	22 30.41	−16 20.9	1.316	2.228	13.9	19.6
10 8	22 24.90	−16 14.2	1.361	2.198	18.1	19.8

362571 2010 VL_{88} 9 3.9 42.°71 2.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.85	−12 50.6	2.011	2.878	12.6	20.4
8 9	23 10.42	−13 26.9	1.950	2.886	9.4	20.2
8 19	23 4.17	−14 8.2	1.911	2.894	5.9	20.0
8 29	22 56.69	−14 49.3	1.899	2.902	2.9	19.8
9 8	22 48.80	−15 24.6	1.914	2.910	3.7	19.9
9 18	22 41.36	−15 49.8	1.956	2.918	6.9	20.1
9 28	22 35.19	−16 1.8	2.024	2.927	10.2	20.3
10 8	22 30.86	−15 59.4	2.115	2.936	13.1	20.5

159244 2005 YX_{45} 9 3.9 154.°75 0.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.00	− 6 10.8	2.687	3.527	10.6	20.8
8 9	23 8.63	− 6 44.8	2.611	3.532	8.0	20.6
8 19	23 2.88	− 7 26.8	2.560	3.537	5.0	20.4
8 29	22 56.19	− 8 13.5	2.536	3.541	1.8	20.2
9 8	22 49.15	− 9 0.9	2.541	3.545	1.6	20.2
9 18	22 42.37	− 9 44.9	2.576	3.549	4.7	20.4
9 28	22 36.48	−10 22.0	2.638	3.553	7.7	20.6
10 8	22 31.96	−10 49.5	2.726	3.556	10.2	20.8

425868 2011 FW_7 9 3.9 40.°89 10.°4/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.46	−29 54.4	1.283	2.166	17.3	19.8
8 9	23 18.44	−30 55.0	1.259	2.187	14.1	19.7
8 19	23 9.42	−31 41.8	1.254	2.210	11.4	19.6
8 29	22 58.62	−32 4.4	1.271	2.233	10.4	19.6
9 8	22 47.63	−31 56.1	1.310	2.257	11.5	19.8
9 18	22 37.95	−31 16.4	1.373	2.281	13.9	20.0
9 28	22 30.76	−30 8.9	1.455	2.306	16.6	20.2
10 8	22 26.64	−28 40.0	1.556	2.331	19.1	20.5

500149 2012 DH_{49} 9 3.9 117.°62 1.°3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.60	− 6 43.0	1.536	2.400	16.0	21.6
8 9	23 13.02	− 7 34.7	1.475	2.408	12.1	21.4
8 19	23 6.08	− 8 39.9	1.435	2.417	7.5	21.1
8 29	22 57.48	− 9 52.3	1.419	2.425	2.8	20.9
9 8	22 48.30	−11 3.4	1.430	2.433	2.9	20.9
9 18	22 39.69	−12 5.4	1.468	2.441	7.6	21.2
9 28	22 32.73	−12 52.3	1.530	2.449	11.9	21.5
10 8	22 28.15	−13 20.7	1.614	2.456	15.5	21.7

206700 2004 BC_2 9 3.9 309.°02 5.°3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.04	−17 28.4	1.807	2.687	13.2	20.0
8 9	23 10.19	−18 56.9	1.744	2.685	10.0	19.8
8 19	23 4.24	−20 29.5	1.704	2.683	6.9	19.6
8 29	22 56.79	−21 57.4	1.690	2.681	5.3	19.5
9 8	22 48.76	−23 12.1	1.703	2.679	6.7	19.6
9 18	22 41.13	−24 6.9	1.741	2.677	9.7	19.8
9 28	22 34.89	−24 38.3	1.804	2.675	12.9	20.0
10 8	22 30.72	−24 46.0	1.886	2.674	15.7	20.2

494523 2016 YX_{12} 9 3.9 241.°70 6.°8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.76	−29 17.1	2.515	3.374	10.7	21.5
8 9	23 12.50	−30 16.8	2.451	3.366	8.7	21.4
8 19	23 5.47	−31 10.5	2.412	3.359	7.2	21.3
8 29	22 57.20	−31 51.9	2.399	3.351	6.9	21.2
9 8	22 48.50	−32 15.9	2.413	3.343	7.8	21.3
9 18	22 40.17	−32 19.7	2.452	3.335	9.7	21.4
9 28	22 33.03	−32 2.6	2.516	3.326	11.7	21.5
10 8	22 27.67	−31 26.3	2.599	3.318	13.6	21.7

325945 2010 VR_{57} 9 3.9 263.°01 1.°0/ 1.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.77	−11 28.6	4.649	5.497	6.3	20.9
8 9	23 3.50	−11 57.5	4.559	5.487	4.7	20.8
8 19	22 59.46	−12 29.2	4.496	5.476	2.9	20.7
8 29	22 54.89	−13 1.6	4.461	5.465	1.3	20.5
9 8	22 50.11	−13 32.6	4.456	5.454	1.6	20.5
9 18	22 45.44	−14 0.2	4.481	5.443	3.4	20.7
9 28	22 41.21	−14 22.5	4.535	5.432	5.2	20.8
10 8	22 37.70	−14 38.3	4.614	5.421	6.8	20.9

287223 2002 TA_{11} 9 3.9 328.°47 5.°8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.14	+ 5 12.6	1.557	2.379	17.8	20.4
8 9	23 12.24	+ 6 6.3	1.469	2.364	14.7	20.1
8 19	23 5.85	+ 6 42.4	1.400	2.350	11.1	19.9
8 29	22 57.53	+ 6 58.9	1.353	2.336	7.5	19.6
9 8	22 48.25	+ 6 56.5	1.331	2.322	5.8	19.5
9 18	22 39.20	+ 6 38.3	1.333	2.310	7.7	19.6
9 28	22 31.60	+ 6 10.2	1.360	2.298	11.4	19.8
10 8	22 26.41	+ 5 39.3	1.408	2.287	15.2	20.0

477928 2011 QS_{48} 9 3.9 66.°04 0.°1/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.13	− 6 40.8	1.731	2.584	14.9	21.4
8 9	23 13.85	− 6 45.9	1.671	2.598	11.3	21.2
8 19	23 6.43	− 7 0.8	1.633	2.611	7.2	21.0
8 29	22 57.59	− 7 21.8	1.620	2.625	2.7	20.7
9 8	22 48.31	− 7 44.1	1.634	2.639	1.9	20.7
9 18	22 39.61	− 8 3.1	1.676	2.653	6.3	21.0
9 28	22 32.44	− 8 14.7	1.743	2.667	10.3	21.3
10 8	22 27.46	− 8 16.5	1.833	2.682	13.7	21.5

295703 2008 TQ_{185} 9 3.9 63.°56 1.°4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.94	− 7 29.2	1.663	2.528	14.9	20.5
8 9	23 10.88	− 8 18.0	1.600	2.534	11.2	20.3
8 19	23 4.67	− 9 18.7	1.558	2.541	7.0	20.1
8 29	22 56.97	−10 25.3	1.541	2.547	2.6	19.9
9 8	22 48.72	−11 30.4	1.551	2.554	2.9	19.9
9 18	22 40.97	−12 26.8	1.588	2.560	7.2	20.2
9 28	22 34.67	−13 9.2	1.649	2.567	11.2	20.4
10 8	22 30.53	−13 34.5	1.733	2.574	14.7	20.7

443579 2014 KC_{66} 9 3.9 7.°91 5.°4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.55	+ 9 30.2	1.816	2.614	16.5	20.8
8 9	23 8.27	+ 9 37.9	1.738	2.615	13.7	20.6
8 19	23 3.01	+ 9 23.3	1.679	2.616	10.5	20.4
8 29	22 56.36	+ 8 46.4	1.643	2.618	7.3	20.2
9 8	22 49.12	+ 7 50.2	1.632	2.620	5.4	20.1
9 18	22 42.21	+ 6 40.2	1.647	2.623	6.6	20.2
9 28	22 36.55	+ 5 24.1	1.687	2.626	9.5	20.4
10 8	22 32.82	+ 4 9.7	1.751	2.630	12.7	20.6

327499 2006 AR_{22} 9 3.9 260.°65 7.°5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.36	−34 18.5	2.903	3.745	9.9	21.6
8 9	23 13.75	−35 32.5	2.826	3.719	8.5	21.5
8 19	23 6.34	−36 39.5	2.773	3.692	7.6	21.4
8 29	22 57.60	−37 33.0	2.747	3.664	7.6	21.4
9 8	22 48.27	−38 7.8	2.747	3.636	8.6	21.4
9 18	22 39.14	−38 20.7	2.772	3.607	10.2	21.5
9 28	22 31.07	−38 11.1	2.820	3.577	11.9	21.5
10 8	22 24.69	−37 40.4	2.888	3.547	13.5	21.6

335743 2007 EY_{13} 9 3.9 0.°91 2.°2/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.86	+ 1 37.4	1.325	2.183	18.4	20.3
8 9	23 8.33	+ 1 6.1	1.257	2.181	14.5	20.0
8 19	23 3.34	+ 0 10.5	1.207	2.180	9.8	19.7
8 29	22 56.54	− 1 5.8	1.179	2.180	4.8	19.5
9 8	22 49.00	− 2 35.0	1.176	2.181	2.5	19.3
9 18	22 41.92	− 4 6.8	1.197	2.182	7.0	19.6
9 28	22 36.49	− 5 31.0	1.242	2.184	11.8	19.9
10 8	22 33.51	− 6 39.3	1.308	2.187	16.1	20.2

153283 2001 DY_{91} 9 3.9 89.°93 0.°6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.84	− 7 32.4	2.357	3.204	11.7	20.0
8 9	23 10.15	− 7 54.8	2.290	3.215	8.8	19.8
8 19	23 3.91	− 8 24.6	2.247	3.226	5.5	19.6
8 29	22 56.62	− 8 58.4	2.231	3.237	2.0	19.4
9 8	22 48.98	− 9 31.9	2.244	3.247	1.8	19.4
9 18	22 41.71	−10 1.3	2.284	3.258	5.2	19.7
9 28	22 35.50	−10 23.2	2.353	3.269	8.4	19.9
10 8	22 30.88	−10 35.4	2.445	3.279	11.2	20.1

516933 2011 YA_{77} 9 3.9 228.°47 3.°1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.06	−15 50.7	2.581	3.441	10.4	22.3
8 9	23 10.37	−16 38.5	2.500	3.432	7.8	22.1
8 19	23 4.10	−17 29.2	2.444	3.422	5.1	21.9
8 29	22 56.73	−18 18.2	2.416	3.412	3.2	21.8
9 8	22 48.89	−19 0.3	2.416	3.402	4.1	21.8
9 18	22 41.30	−19 31.7	2.444	3.391	6.7	22.0
9 28	22 34.66	−19 49.5	2.500	3.380	9.4	22.2
10 8	22 29.54	−19 52.9	2.578	3.369	11.9	22.3

396724 2003 DT_{24} 9 3.9 80.°88 3.°6/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.06	−15 18.1	2.257	3.121	11.5	21.0
8 9	23 11.03	−16 35.3	2.219	3.153	8.6	20.9
8 19	23 4.40	−17 54.5	2.206	3.185	5.6	20.8
8 29	22 56.78	−19 9.5	2.221	3.216	3.6	20.7
9 8	22 48.91	−20 14.1	2.264	3.247	4.7	20.8
9 18	22 41.56	−21 4.1	2.335	3.277	7.2	21.0
9 28	22 35.42	−21 36.9	2.433	3.307	9.9	21.3
10 8	22 30.97	−21 52.3	2.553	3.337	12.2	21.5

24413 Britneyschmidt 9 3.9 272.°22 3.°2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.82	+ 6 40.6	2.420	3.215	13.0	18.1
8 9	23 7.25	+ 6 19.9	2.330	3.211	10.5	17.9
8 19	23 2.16	+ 5 42.2	2.262	3.207	7.7	17.8
8 29	22 56.00	+ 4 48.8	2.219	3.204	4.8	17.6
9 8	22 49.38	+ 3 43.1	2.204	3.200	3.2	17.5
9 18	22 42.99	+ 2 30.0	2.217	3.196	4.8	17.6
9 28	22 37.50	+ 1 15.3	2.257	3.192	7.7	17.7
10 8	22 33.47	+ 0 4.7	2.324	3.189	10.5	17.9

139120 2001 FY_{61} 9 3.9 97.°79 2.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.00	−10 10.9	1.510	2.380	15.9	20.3
8 9	23 14.08	−11 1.8	1.455	2.393	11.9	20.1
8 19	23 6.73	−12 2.4	1.422	2.405	7.4	19.9
8 29	22 57.75	−13 5.4	1.413	2.418	3.2	19.7
9 8	22 48.24	−14 2.6	1.431	2.430	3.9	19.8
9 18	22 39.40	−14 47.2	1.474	2.442	8.2	20.1
9 28	22 32.30	−15 14.6	1.543	2.454	12.3	20.3
10 8	22 27.66	−15 23.2	1.632	2.465	15.8	20.6

176727 2002 RB_{35} 9 3.9 283.°81 2.°5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.32	+ 1 35.7	1.889	2.717	14.9	19.9
8 9	23 10.31	+ 1 27.4	1.805	2.711	11.8	19.7
8 19	23 4.31	+ 1 2.6	1.741	2.705	8.2	19.4
8 29	22 56.87	+ 0 23.0	1.703	2.699	4.4	19.2
9 8	22 48.79	− 0 27.2	1.691	2.694	2.6	19.1
9 18	22 41.00	− 1 22.4	1.706	2.688	5.7	19.3
9 28	22 34.42	− 2 16.3	1.747	2.682	9.6	19.5
10 8	22 29.78	− 3 3.1	1.812	2.676	13.1	19.7

167174 2003 SL_{260} 9 3.9 73.°56 1.°0/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.44	− 3 13.6	1.683	2.527	15.7	20.6
8 9	23 14.09	− 3 17.3	1.627	2.547	12.0	20.4
8 19	23 6.58	− 3 34.2	1.593	2.566	7.8	20.2
8 29	22 57.66	− 4 0.9	1.583	2.586	3.4	20.0
9 8	22 48.33	− 4 32.5	1.600	2.605	1.8	19.9
9 18	22 39.62	− 5 3.8	1.644	2.625	6.1	20.2
9 28	22 32.50	− 5 29.7	1.715	2.644	10.1	20.5
10 8	22 27.60	− 5 46.6	1.808	2.663	13.5	20.8

474770 2005 QE_{111} 9 3.9 326.°18 0.°9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.19	− 8 38.5	1.328	2.203	17.3	20.4
8 9	23 14.07	− 8 39.0	1.253	2.192	13.2	20.2
8 19	23 7.12	− 8 49.9	1.197	2.181	8.4	19.9
8 29	22 58.03	− 9 6.9	1.164	2.170	3.2	19.5
9 8	22 48.00	− 9 23.9	1.156	2.160	2.8	19.5
9 18	22 38.43	− 9 35.0	1.172	2.151	8.2	19.8
9 28	22 30.70	− 9 35.2	1.211	2.142	13.2	20.0
10 8	22 25.76	− 9 21.9	1.271	2.134	17.6	20.3

243905 2001 FB_{82} 9 3.9 154.°75 4.°5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.48	+ 9 25.1	2.191	2.971	14.6	20.6
8 9	23 10.13	+ 9 16.2	2.109	2.976	12.0	20.4
8 19	23 4.03	+ 8 47.5	2.048	2.981	9.1	20.2
8 29	22 56.72	+ 7 59.8	2.011	2.986	6.2	20.1
9 8	22 48.92	+ 6 56.4	2.001	2.990	4.5	20.0
9 18	22 41.43	+ 5 42.3	2.019	2.994	5.6	20.1
9 28	22 35.03	+ 4 24.1	2.064	2.997	8.4	20.2
10 8	22 30.32	+ 3 8.6	2.135	3.001	11.3	20.4

387986 2005 QN_{15} 9 3.9 324.°33 1.°4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.03	− 1 48.4	1.264	2.134	18.3	20.9
8 9	23 9.55	− 2 0.8	1.182	2.116	14.4	20.6
8 19	23 4.36	− 2 33.9	1.119	2.098	9.6	20.3
8 29	22 57.03	− 3 24.9	1.077	2.081	4.3	19.9
9 8	22 48.66	− 4 27.0	1.059	2.065	2.3	19.8
9 18	22 40.58	− 5 31.4	1.064	2.049	7.7	20.0
9 28	22 34.18	− 6 28.7	1.093	2.035	13.1	20.3
10 8	22 30.50	− 7 11.2	1.141	2.022	17.8	20.5

301776 2010 JQ_{122} 9 3.9 150.°75 0.°3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.34	− 4 32.3	2.069	2.915	13.1	21.4
8 9	23 10.07	− 5 18.8	1.996	2.919	10.0	21.2
8 19	23 4.02	− 6 17.6	1.946	2.923	6.3	21.0
8 29	22 56.73	− 7 24.1	1.922	2.927	2.3	20.7
9 8	22 48.96	− 8 32.5	1.926	2.931	1.8	20.7
9 18	22 41.53	− 9 36.7	1.958	2.934	5.8	21.0
9 28	22 35.26	−10 31.4	2.018	2.937	9.4	21.2
10 8	22 30.76	−11 12.8	2.101	2.940	12.5	21.4

18390 1992 JD_3 9 3.9 119.°23 4.°4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.72	−15 19.3	1.507	2.381	15.7	17.7
8 9	23 16.19	−16 15.0	1.453	2.392	11.8	17.5
8 19	23 8.11	−17 15.1	1.421	2.402	7.7	17.3
8 29	22 58.29	−18 11.2	1.414	2.413	4.6	17.2
9 8	22 47.94	−18 55.2	1.433	2.422	5.8	17.3
9 18	22 38.30	−19 21.1	1.477	2.432	9.5	17.5
9 28	22 30.53	−19 26.2	1.546	2.441	13.3	17.8
10 8	22 25.37	−19 11.1	1.635	2.449	16.6	18.0

220901 2004 YX_{12} 9 3.9 247.°30 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.75	−10 38.1	2.629	3.484	10.4	21.2
8 9	23 8.60	−11 21.0	2.544	3.474	7.8	21.0
8 19	23 2.98	−12 10.1	2.482	3.463	4.9	20.8
8 29	22 56.33	−13 1.4	2.449	3.453	2.1	20.6
9 8	22 49.22	−13 50.2	2.444	3.442	2.7	20.6
9 18	22 42.33	−14 32.5	2.467	3.431	5.6	20.8
9 28	22 36.30	−15 4.6	2.518	3.420	8.6	21.0
10 8	22 31.68	−15 24.5	2.594	3.408	11.2	21.1

193646 2001 DF_{26} 9 3.9 262.°35 2.°0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.92	−10 43.7	2.040	2.897	12.9	20.4
8 9	23 13.06	−11 19.9	1.945	2.875	9.8	20.2
8 19	23 6.12	−12 4.2	1.872	2.853	6.2	19.9
8 29	22 57.61	−12 51.6	1.827	2.831	2.7	19.7
9 8	22 48.34	−13 36.5	1.809	2.808	3.3	19.7
9 18	22 39.25	−14 13.1	1.819	2.785	7.1	19.8
9 28	22 31.33	−14 37.2	1.855	2.761	10.9	20.0
10 8	22 25.35	−14 46.2	1.914	2.736	14.3	20.2

356161 2009 HE_{35} 9 3.9 306.°67 1.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.91	− 2 41.5	1.841	2.686	14.5	21.0
8 9	23 10.84	− 2 48.4	1.756	2.675	11.3	20.8
8 19	23 4.71	− 3 8.7	1.692	2.665	7.5	20.5
8 29	22 57.06	− 3 39.7	1.652	2.655	3.3	20.2
9 8	22 48.73	− 4 17.1	1.640	2.645	1.8	20.1
9 18	22 40.69	− 4 55.6	1.654	2.635	5.9	20.4
9 28	22 33.89	− 5 29.8	1.694	2.626	10.0	20.6
10 8	22 29.10	− 5 55.1	1.757	2.616	13.7	20.8

306519 1999 WZ_{17} 9 3.9 26.°70 12.°3/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.37	+30 31.3	1.866	2.517	20.7	20.0
8 9	23 7.56	+31 14.1	1.797	2.528	19.0	19.9
8 19	23 2.66	+31 23.7	1.741	2.540	17.0	19.7
8 29	22 56.27	+30 56.0	1.702	2.553	15.0	19.6
9 8	22 49.29	+29 50.4	1.681	2.566	13.3	19.5
9 18	22 42.73	+28 10.2	1.681	2.580	12.4	19.5
9 28	22 37.55	+26 3.4	1.704	2.595	12.5	19.6
10 8	22 34.45	+23 41.5	1.751	2.610	13.7	19.7

357692 2005 NE_{64} 9 3.9 356.°62 1.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.80	− 0 13.6	1.726	2.572	15.3	20.7
8 9	23 8.53	− 0 37.3	1.651	2.570	11.9	20.5
8 19	23 3.23	− 1 18.2	1.597	2.568	8.0	20.2
8 29	22 56.48	− 2 13.3	1.566	2.567	3.8	20.0
9 8	22 49.14	− 3 16.8	1.562	2.567	2.0	19.8
9 18	22 42.16	− 4 22.0	1.584	2.567	5.9	20.1
9 28	22 36.47	− 5 21.9	1.631	2.567	10.0	20.4
10 8	22 32.78	− 6 10.7	1.702	2.568	13.7	20.6

225084 2007 KK_6 9 3.9 294.°84 8.°0/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.98	−30 59.8	2.269	3.132	11.5	19.7
8 9	23 12.20	−32 10.9	2.207	3.120	9.6	19.5
8 19	23 5.45	−33 14.9	2.168	3.109	8.3	19.4
8 29	22 57.29	−34 4.2	2.155	3.097	8.1	19.4
9 8	22 48.61	−34 33.1	2.166	3.086	9.2	19.4
9 18	22 40.32	−34 38.2	2.203	3.074	11.0	19.5
9 28	22 33.34	−34 18.9	2.261	3.063	13.1	19.7
10 8	22 28.33	−33 37.4	2.339	3.051	15.1	19.8

4060 Deipylos 9 3.9 240.°15 0.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.61	− 2 49.0	4.939	5.759	6.4	17.1
8 9	23 2.61	− 3 18.9	4.843	5.751	4.9	16.9
8 19	22 58.91	− 3 54.4	4.773	5.743	3.2	16.8
8 29	22 54.73	− 4 33.9	4.732	5.734	1.4	16.7
9 8	22 50.35	− 5 15.5	4.720	5.726	0.7	16.6
9 18	22 46.07	− 5 57.1	4.739	5.717	2.6	16.7
9 28	22 42.18	− 6 36.6	4.788	5.708	4.3	16.9
10 8	22 38.95	− 7 12.1	4.864	5.699	6.0	17.0

98708 2000 XO_{38} 9 3.9 71.°29 6.°5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 32.42	−25 26.4	1.740	2.594	14.9	18.2
8 9	23 23.95	−25 32.7	1.680	2.600	11.7	18.0
8 19	23 12.84	−25 31.0	1.643	2.607	8.6	17.8
8 29	23 0.03	−25 14.4	1.632	2.614	6.6	17.8
9 8	22 46.85	−24 38.1	1.649	2.620	7.4	17.8
9 18	22 34.64	−23 41.3	1.694	2.627	10.1	18.0
9 28	22 24.55	−22 26.2	1.764	2.634	13.2	18.2
10 8	22 17.29	−20 57.1	1.857	2.641	16.1	18.4

126991 2002 FG_{32} 9 3.9 65.°98 2.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.34	−11 48.9	1.647	2.520	14.6	19.6
8 9	23 11.99	−12 41.1	1.586	2.526	10.9	19.4
8 19	23 5.41	−13 41.2	1.547	2.531	6.9	19.2
8 29	22 57.30	−14 42.2	1.534	2.537	3.4	19.0
9 8	22 48.63	−15 36.6	1.546	2.543	4.3	19.1
9 18	22 40.49	−16 18.0	1.585	2.548	8.1	19.3
9 28	22 33.89	−16 42.2	1.648	2.554	12.0	19.5
10 8	22 29.52	−16 47.8	1.733	2.560	15.3	19.8

308322 2005 MU_{38} 9 3.9 55.°99 0.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.84	− 5 12.1	1.947	2.799	13.6	21.0
8 9	23 9.80	− 5 46.7	1.877	2.803	10.3	20.8
8 19	23 3.89	− 6 33.1	1.829	2.808	6.5	20.5
8 29	22 56.70	− 7 26.9	1.807	2.812	2.4	20.3
9 8	22 49.03	− 8 22.4	1.812	2.817	1.8	20.3
9 18	22 41.73	− 9 14.0	1.845	2.822	5.9	20.5
9 28	22 35.66	− 9 56.4	1.904	2.826	9.7	20.8
10 8	22 31.43	−10 26.3	1.986	2.831	12.9	21.0

361428 2006 XD_{56} 9 3.9 164.°99 3.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.84	−15 58.2	2.557	3.420	10.4	21.5
8 9	23 9.43	−17 2.8	2.490	3.423	7.8	21.3
8 19	23 3.49	−18 10.2	2.448	3.426	5.1	21.1
8 29	22 56.53	−19 15.2	2.434	3.429	3.4	21.0
9 8	22 49.17	−20 12.3	2.449	3.432	4.4	21.1
9 18	22 42.11	−20 57.4	2.492	3.434	6.9	21.3
9 28	22 36.02	−21 27.4	2.561	3.436	9.5	21.4
10 8	22 31.43	−21 41.6	2.654	3.437	11.8	21.6

3280 Grétry 9 3.9 15.°68 0.°8/ 4.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.41	− 4 0.0	1.254	2.127	18.2	15.5
8 9	23 11.06	− 4 3.4	1.196	2.132	14.0	15.2
8 19	23 5.07	− 4 23.2	1.157	2.138	9.1	15.0
8 29	22 57.22	− 4 55.4	1.140	2.145	3.7	14.7
9 8	22 48.71	− 5 33.5	1.147	2.153	2.1	14.6
9 18	22 40.84	− 6 10.2	1.178	2.162	7.4	15.0
9 28	22 34.81	− 6 38.9	1.232	2.172	12.2	15.3
10 8	22 31.43	− 6 54.8	1.307	2.183	16.4	15.6

382544 2001 UY_{79} 9 3.9 293.°42 1.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.68	− 7 27.6	1.558	2.425	15.6	21.0
8 9	23 11.95	− 8 2.8	1.468	2.404	11.9	20.8
8 19	23 5.72	− 8 51.7	1.399	2.381	7.6	20.5
8 29	22 57.55	− 9 49.4	1.353	2.359	2.9	20.1
9 8	22 48.41	−10 48.5	1.334	2.337	2.9	20.1
9 18	22 39.47	−11 41.2	1.340	2.315	7.9	20.3
9 28	22 31.98	−12 20.6	1.371	2.294	12.7	20.5
10 8	22 26.90	−12 42.5	1.422	2.272	16.8	20.7

323694 2005 GU_{88} 9 3.9 169.°50 0.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.73	− 2 27.2	1.844	2.681	14.8	22.0
8 9	23 13.62	− 2 58.9	1.769	2.685	11.4	21.8
8 19	23 6.40	− 3 45.5	1.716	2.689	7.4	21.6
8 29	22 57.69	− 4 42.9	1.688	2.692	3.1	21.3
9 8	22 48.39	− 5 45.2	1.688	2.694	1.7	21.2
9 18	22 39.49	− 6 46.1	1.717	2.695	6.1	21.5
9 28	22 31.96	− 7 39.2	1.772	2.696	10.1	21.7
10 8	22 26.53	− 8 20.1	1.850	2.696	13.7	22.0

345960 2007 TO_3 9 3.9 50.°57 1.°2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.31	− 4 39.2	1.684	2.529	15.7	20.4
8 9	23 15.68	− 4 18.0	1.615	2.535	12.1	20.2
8 19	23 7.74	− 4 7.3	1.567	2.541	7.9	20.0
8 29	22 58.19	− 4 5.1	1.544	2.547	3.4	19.7
9 8	22 48.06	− 4 7.9	1.548	2.553	1.9	19.6
9 18	22 38.46	− 4 11.8	1.579	2.560	6.3	19.9
9 28	22 30.45	− 4 13.1	1.636	2.566	10.5	20.2
10 8	22 24.77	− 4 8.4	1.717	2.573	14.1	20.4

156563 2002 EL_{76} 9 3.9 358.°23 1.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.98	− 1 18.0	1.017	1.908	20.1	18.1
8 9	23 5.21	− 1 29.2	0.956	1.901	15.7	17.9
8 19	23 1.65	− 2 4.6	0.913	1.896	10.5	17.6
8 29	22 56.01	− 3 0.5	0.890	1.894	4.8	17.2
9 8	22 49.52	− 4 8.3	0.887	1.893	2.4	17.1
9 18	22 43.58	− 5 17.4	0.906	1.895	7.9	17.4
9 28	22 39.54	− 6 16.8	0.947	1.899	13.4	17.7
10 8	22 38.31	− 6 58.7	1.006	1.904	18.1	18.1

20121 1995 WT_7 9 3.9 160.°49 6.°1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.41	−23 20.2	2.162	3.029	11.8	18.2
8 9	23 13.17	−24 34.9	2.106	3.034	9.2	18.0
8 19	23 5.99	−25 47.2	2.074	3.039	7.0	17.9
8 29	22 57.50	−26 49.8	2.069	3.043	6.1	17.9
9 8	22 48.55	−27 36.2	2.090	3.047	7.2	17.9
9 18	22 40.05	−28 2.4	2.139	3.050	9.5	18.1
9 28	22 32.88	−28 6.9	2.211	3.053	12.0	18.3
10 8	22 27.67	−27 51.0	2.305	3.055	14.3	18.4

317874 2003 UJ_{67} 9 3.9 30.°43 0.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.80	− 2 29.7	1.992	2.838	13.6	20.2
8 9	23 8.20	− 2 59.4	1.924	2.845	10.4	20.1
8 19	23 2.85	− 3 42.2	1.878	2.853	6.7	19.9
8 29	22 56.31	− 4 34.7	1.857	2.861	2.8	19.6
9 8	22 49.34	− 5 31.6	1.864	2.869	1.5	19.5
9 18	22 42.74	− 6 27.2	1.898	2.878	5.4	19.8
9 28	22 37.29	− 7 16.1	1.958	2.887	9.0	20.1
10 8	22 33.58	− 7 54.3	2.042	2.897	12.2	20.3

266026 2006 FA_{48} 9 3.9 192.°99 2.°4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.83	−13 45.8	2.759	3.616	9.9	20.9
8 9	23 9.31	−14 27.7	2.683	3.614	7.4	20.8
8 19	23 3.38	−15 13.3	2.633	3.613	4.7	20.6
8 29	22 56.49	−15 58.3	2.610	3.611	2.5	20.4
9 8	22 49.22	−16 38.4	2.616	3.608	3.3	20.5
9 18	22 42.21	−17 10.1	2.651	3.606	5.8	20.7
9 28	22 36.08	−17 30.7	2.713	3.603	8.5	20.8
10 8	22 31.34	−17 38.8	2.800	3.600	10.8	21.0

435045 2006 WR_{61} 9 3.9 251.°12 2.°7/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.01	+ 2 19.4	1.798	2.622	15.7	21.7
8 9	23 12.62	+ 2 8.2	1.702	2.606	12.5	21.5
8 19	23 5.98	+ 1 38.4	1.627	2.589	8.8	21.2
8 29	22 57.62	+ 0 51.4	1.576	2.572	4.8	20.9
9 8	22 48.40	− 0 8.5	1.552	2.554	2.8	20.8
9 18	22 39.36	− 1 15.2	1.555	2.536	6.2	21.0
9 28	22 31.58	− 2 21.2	1.584	2.518	10.4	21.2
10 8	22 25.93	− 3 19.5	1.636	2.499	14.3	21.4

95443 2002 CW_{247} 9 3.9 148.°07 0.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.69	− 8 17.6	2.693	3.535	10.6	20.0
8 9	23 10.65	− 8 40.9	2.621	3.543	7.9	19.8
8 19	23 4.20	− 9 10.4	2.573	3.550	5.0	19.6
8 29	22 56.79	− 9 42.9	2.552	3.557	1.8	19.4
9 8	22 49.04	−10 14.7	2.561	3.564	1.8	19.4
9 18	22 41.60	−10 42.3	2.599	3.571	4.9	19.7
9 28	22 35.09	−11 2.8	2.666	3.577	7.8	19.8
10 8	22 30.01	−11 14.3	2.758	3.582	10.3	20.0

280317 2003 RF_1 9 3.9 14.°34 4.°3/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.07	−12 49.5	1.138	2.041	17.5	18.8
8 9	23 8.74	−13 53.3	1.092	2.047	13.1	18.5
8 19	23 3.66	−15 6.4	1.066	2.054	8.3	18.3
8 29	22 56.70	−16 18.6	1.061	2.064	4.6	18.1
9 8	22 49.12	−17 19.2	1.079	2.074	6.0	18.2
9 18	22 42.29	−17 59.9	1.120	2.086	10.3	18.5
9 28	22 37.40	−18 16.2	1.182	2.100	14.7	18.8
10 8	22 35.21	−18 7.8	1.263	2.114	18.4	19.1

84105 2002 RA_{15} 9 3.9 309.°01 0.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.54	− 3 57.2	1.315	2.187	17.6	19.9
8 9	23 10.77	− 4 22.1	1.225	2.162	13.7	19.6
8 19	23 5.22	− 5 6.4	1.155	2.136	9.0	19.3
8 29	22 57.44	− 6 6.2	1.106	2.112	3.5	18.9
9 8	22 48.49	− 7 14.1	1.082	2.087	2.3	18.7
9 18	22 39.70	− 8 21.0	1.081	2.063	8.2	19.0
9 28	22 32.53	− 9 17.2	1.103	2.040	13.6	19.2
10 8	22 28.08	− 9 56.0	1.146	2.017	18.5	19.5

72130 2000 YV_{74} 9 3.9 146.°87 4.°5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.12	−17 2.2	1.975	2.845	12.7	19.4
8 9	23 12.30	−18 13.6	1.915	2.851	9.6	19.2
8 19	23 5.50	−19 27.9	1.879	2.857	6.4	19.0
8 29	22 57.34	−20 37.6	1.870	2.863	4.5	18.9
9 8	22 48.69	−21 35.8	1.887	2.868	5.7	19.0
9 18	22 40.50	−22 17.1	1.932	2.873	8.6	19.2
9 28	22 33.65	−22 38.6	2.002	2.877	11.7	19.4
10 8	22 28.79	−22 40.3	2.093	2.881	14.4	19.6

358419 2007 CS_{36} 9 3.9 105.°26 1.°5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.76	− 1 4.3	2.348	3.171	12.5	21.3
8 9	23 10.90	− 1 7.1	2.275	3.181	9.7	21.1
8 19	23 4.45	− 1 21.0	2.225	3.191	6.5	21.0
8 29	22 56.91	− 1 44.0	2.201	3.201	3.2	20.8
9 8	22 48.98	− 2 12.8	2.206	3.210	1.8	20.7
9 18	22 41.40	− 2 43.7	2.240	3.220	4.7	20.9
9 28	22 34.87	− 3 12.6	2.301	3.229	7.9	21.1
10 8	22 29.95	− 3 36.1	2.387	3.238	10.8	21.3

107580 2001 DN_{96} 9 3.9 210.°13 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.22	− 8 23.0	2.441	3.290	11.3	20.6
8 9	23 9.78	− 8 53.2	2.361	3.288	8.5	20.4
8 19	23 3.77	− 9 30.6	2.305	3.285	5.3	20.2
8 29	22 56.67	−10 11.7	2.277	3.282	2.0	20.0
9 8	22 49.14	−10 52.1	2.276	3.279	2.1	20.0
9 18	22 41.87	−11 27.7	2.305	3.276	5.4	20.2
9 28	22 35.58	−11 54.8	2.361	3.272	8.6	20.4
10 8	22 30.82	−12 11.1	2.441	3.269	11.4	20.6

171835 2001 GO_8 9 3.9 9.°57 2.°3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.78	+ 5 51.3	1.086	1.955	20.8	17.6
8 9	23 1.77	+ 4 26.1	1.030	1.959	16.4	17.3
8 19	22 59.30	+ 2 23.7	0.992	1.966	11.2	17.0
8 29	22 55.09	− 0 8.9	0.974	1.975	5.6	16.8
9 8	22 50.22	− 2 57.2	0.980	1.985	2.5	16.6
9 18	22 45.89	− 5 43.7	1.010	1.998	7.3	17.0
9 28	22 43.24	− 8 11.7	1.063	2.013	12.5	17.3
10 8	22 42.99	−10 10.2	1.137	2.029	17.0	17.6

488024 2015 UH_{26} 9 3.9 326.°87 0.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.05	− 0 59.0	2.120	2.958	13.1	21.2
8 9	23 7.64	− 1 39.7	2.038	2.954	10.2	21.0
8 19	23 2.54	− 2 35.3	1.978	2.950	6.7	20.7
8 29	22 56.24	− 3 42.2	1.944	2.946	2.9	20.5
9 8	22 49.43	− 4 55.2	1.937	2.943	1.5	20.4
9 18	22 42.89	− 6 8.1	1.959	2.940	5.2	20.6
9 28	22 37.39	− 7 14.8	2.007	2.936	8.9	20.9
10 8	22 33.53	− 8 10.4	2.080	2.933	12.1	21.1

256666 2007 XB_{33} 9 3.9 286.°61 0.°8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.89	− 2 34.1	1.418	2.278	17.3	21.2
8 9	23 12.26	− 2 56.4	1.335	2.263	13.5	20.9
8 19	23 6.00	− 3 37.4	1.271	2.248	8.9	20.6
8 29	22 57.69	− 4 33.8	1.229	2.233	3.7	20.2
9 8	22 48.41	− 5 38.5	1.213	2.219	2.1	20.1
9 18	22 39.41	− 6 43.3	1.222	2.204	7.4	20.4
9 28	22 32.01	− 7 39.6	1.255	2.190	12.5	20.6
10 8	22 27.20	− 8 21.0	1.309	2.175	17.0	20.9

474491 2003 SM_{369} 9 3.9 116.°65 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.60	− 9 12.7	1.808	2.663	14.3	21.6
8 9	23 15.06	− 9 17.4	1.737	2.666	10.9	21.4
8 19	23 7.32	− 9 29.5	1.688	2.668	6.9	21.2
8 29	22 58.06	− 9 44.9	1.665	2.670	2.6	20.9
9 8	22 48.24	− 9 59.2	1.669	2.673	2.4	20.9
9 18	22 38.91	−10 8.1	1.701	2.675	6.6	21.2
9 28	22 31.06	−10 8.4	1.758	2.677	10.6	21.4
10 8	22 25.40	− 9 58.1	1.839	2.679	14.0	21.7

446247 2013 HS_{42} 9 3.9 110.°53 7.°6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.90	+21 34.8	2.450	3.144	15.3	21.0
8 9	23 8.14	+21 41.9	2.365	3.149	13.5	20.8
8 19	23 2.79	+21 25.4	2.297	3.155	11.4	20.7
8 29	22 56.33	+20 44.0	2.250	3.160	9.4	20.6
9 8	22 49.41	+19 38.8	2.228	3.166	7.9	20.5
9 18	22 42.75	+18 13.5	2.231	3.171	7.7	20.5
9 28	22 37.09	+16 34.4	2.261	3.176	8.8	20.6
10 8	22 32.99	+14 49.1	2.318	3.181	10.6	20.7

484916 2009 SH_{26} 9 3.9 342.°78 6.°8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.19	+18 55.8	1.968	2.707	17.3	20.3
8 9	23 5.75	+18 18.3	1.873	2.700	15.0	20.2
8 19	23 1.47	+17 9.4	1.795	2.692	12.2	20.0
8 29	22 55.88	+15 28.3	1.739	2.685	9.4	19.8
9 8	22 49.70	+13 18.6	1.708	2.679	7.2	19.6
9 18	22 43.79	+10 47.6	1.705	2.674	7.2	19.6
9 28	22 39.00	+ 8 6.4	1.729	2.669	9.3	19.7
10 8	22 35.99	+ 5 26.9	1.781	2.665	12.3	19.9

285520 2000 FO_4 9 3.9 137.°32 1.°3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.53	− 0 50.3	2.025	2.858	13.8	21.2
8 9	23 10.30	− 1 13.5	1.948	2.861	10.7	21.0
8 19	23 4.23	− 1 51.0	1.894	2.864	7.1	20.8
8 29	22 56.89	− 2 39.8	1.866	2.867	3.3	20.6
9 8	22 49.05	− 3 35.1	1.864	2.869	1.7	20.5
9 18	22 41.54	− 4 31.4	1.891	2.872	5.4	20.7
9 28	22 35.20	− 5 23.0	1.944	2.874	9.1	20.9
10 8	22 30.66	− 6 5.2	2.022	2.877	12.3	21.2

73637 Guneus 9 3.9 325.°03 1.°4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.49	+ 1 43.7	3.676	4.484	8.7	19.3
8 9	23 3.55	+ 1 19.7	3.578	4.473	6.8	19.1
8 19	22 59.66	+ 0 46.3	3.503	4.462	4.7	19.0
8 29	22 55.10	+ 0 5.0	3.456	4.451	2.5	18.8
9 8	22 50.27	− 0 41.7	3.437	4.440	1.5	18.7
9 18	22 45.55	− 1 31.0	3.448	4.429	3.2	18.8
9 28	22 41.37	− 2 19.8	3.488	4.419	5.4	19.0
10 8	22 38.08	− 3 5.0	3.555	4.408	7.5	19.1

70209 1999 RL_{34} 9 3.9 245.°28 2.°6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.74	+ 4 15.5	2.110	2.921	14.1	19.1
8 9	23 9.80	+ 3 43.3	2.013	2.907	11.3	18.8
8 19	23 4.02	+ 2 52.2	1.937	2.894	8.0	18.6
8 29	22 56.87	+ 1 43.9	1.886	2.880	4.5	18.4
9 8	22 49.07	+ 0 23.1	1.863	2.865	2.6	18.2
9 18	22 41.45	− 1 4.0	1.869	2.850	5.3	18.4
9 28	22 34.87	− 2 30.0	1.902	2.835	9.0	18.6
10 8	22 30.02	− 3 48.2	1.960	2.819	12.4	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
111416	2001 XZ_{190}		9 3.9	259.°02	0.°4/ 4.5	18
	h m	° ′			°	m
7 30	23 14.09	− 3 34.3	2.245	3.084	12.5	20.8
8 9	23 9.89	− 3 57.5	2.156	3.073	9.6	20.6
8 19	23 3.98	− 4 32.2	2.089	3.063	6.2	20.4
8 29	22 56.83	− 5 15.3	2.048	3.052	2.5	20.2
9 8	22 49.12	− 6 2.6	2.035	3.041	1.5	20.1
9 18	22 41.63	− 6 49.2	2.051	3.030	5.2	20.3
9 28	22 35.15	− 7 30.3	2.094	3.019	8.8	20.5
10 8	22 30.31	− 8 2.1	2.161	3.007	12.0	20.7
446183	2013 FR_{11}		9 3.9	111.°58	0.°4/ 3.6	18
7 30	23 16.65	− 7 8.9	2.240	3.085	12.3	21.1
8 9	23 11.68	− 7 22.2	2.168	3.091	9.3	20.9
8 19	23 5.01	− 7 43.2	2.119	3.096	5.9	20.7
8 29	22 57.18	− 8 8.8	2.097	3.102	2.2	20.5
9 8	22 48.94	− 8 35.0	2.103	3.108	1.7	20.5
9 18	22 41.06	− 8 57.9	2.138	3.113	5.4	20.8
9 28	22 34.31	− 9 14.0	2.200	3.119	8.8	21.0
10 8	22 29.26	− 9 21.0	2.286	3.124	11.7	21.2
361512	2007 EE_{200}		9 3.9	147.°87	1.°6/ 6.4	18
7 30	23 11.59	+ 2 51.9	2.774	3.579	11.3	21.3
8 9	23 7.61	+ 2 7.7	2.692	3.586	8.8	21.1
8 19	23 2.32	+ 1 9.9	2.635	3.593	6.1	21.0
8 29	22 56.15	+ 0 1.2	2.604	3.600	3.2	20.8
9 8	22 49.62	− 1 14.4	2.602	3.606	1.7	20.7
9 18	22 43.34	− 2 32.2	2.631	3.612	4.1	20.9
9 28	22 37.87	− 3 46.9	2.689	3.617	6.9	21.1
10 8	22 33.69	− 4 54.4	2.773	3.622	9.5	21.2
284038	2004 YP_{25}		9 3.9	284.°68	5.°4/29.2	18
7 30	23 14.27	−16 37.9	1.788	2.667	13.3	20.1
8 9	23 10.69	−18 16.4	1.703	2.644	10.2	19.8
8 19	23 4.85	−20 3.1	1.641	2.620	7.0	19.6
8 29	22 57.27	−21 48.8	1.605	2.596	5.4	19.4
9 8	22 48.81	−23 23.5	1.596	2.572	7.0	19.5
9 18	22 40.53	−24 38.5	1.613	2.548	10.4	19.6
9 28	22 33.55	−25 28.2	1.653	2.524	14.0	19.8
10 8	22 28.72	−25 51.0	1.714	2.499	17.2	20.0
383334	2006 KB_{61}		9 3.9	164.°44	2.°9/31.6	17
7 30	23 16.95	−13 47.9	2.458	3.313	11.0	22.2
8 9	23 11.81	−14 48.8	2.390	3.320	8.2	22.1
8 19	23 5.06	−15 53.9	2.347	3.326	5.3	21.9
8 29	22 57.20	−16 58.1	2.332	3.331	3.0	21.8
9 8	22 48.93	−17 55.6	2.346	3.335	3.9	21.8
9 18	22 41.00	−18 42.0	2.389	3.339	6.6	22.0
9 28	22 34.12	−19 14.2	2.459	3.342	9.5	22.2
10 8	22 28.85	−19 30.8	2.553	3.344	12.0	22.4
58373	Albertoalonso		9 3.9	30.°11	15.°4/26.7	18
7 30	23 7.84	+36 11.2	1.241	1.904	28.9	17.5
8 9	23 6.45	+36 37.5	1.197	1.930	26.6	17.4
8 19	23 2.28	+36 12.4	1.161	1.957	23.9	17.3
8 29	22 56.23	+34 50.2	1.136	1.986	20.9	17.2
9 8	22 49.62	+32 31.2	1.127	2.016	18.1	17.1
9 18	22 43.81	+29 23.7	1.137	2.047	16.1	17.1
9 28	22 40.01	+25 43.9	1.169	2.079	15.4	17.2
10 8	22 38.89	+21 53.2	1.224	2.112	16.4	17.3
162867	2001 EA_{19}		9 3.9	121.°30	1.°0/ 5.2	18
7 30	23 13.84	+ 0 31.1	2.041	2.870	13.9	20.3
8 9	23 9.72	− 0 23.8	1.971	2.881	10.7	20.1
8 19	23 3.85	− 1 35.3	1.922	2.891	7.1	19.9
8 29	22 56.77	− 2 59.2	1.900	2.901	3.2	19.7
9 8	22 49.24	− 4 29.1	1.906	2.911	1.6	19.6
9 18	22 42.08	− 5 57.9	1.940	2.921	5.3	19.9
9 28	22 36.08	− 7 19.0	2.003	2.930	9.0	20.1
10 8	22 31.83	− 8 27.0	2.089	2.939	12.2	20.4
385444	2003 QU_{26}		9 3.9	349.°35	0.°3/ 4.1	18
7 30	23 22.94	− 9 0.7	1.314	2.184	17.8	19.1
8 9	23 17.71	− 8 12.0	1.241	2.176	13.7	18.8
8 19	23 9.48	− 7 29.1	1.188	2.169	8.9	18.6
8 29	22 59.05	− 6 50.0	1.157	2.163	3.5	18.2
9 8	22 47.70	− 6 12.1	1.152	2.158	2.2	18.1
9 18	22 36.94	− 5 33.4	1.173	2.154	7.7	18.5
9 28	22 28.18	− 4 51.6	1.217	2.152	12.8	18.7
10 8	22 22.39	− 4 5.3	1.282	2.151	17.1	19.0
252209	2001 FU_{168}		9 3.9	209.°79	3.°4/ 8.9	18
7 30	23 11.84	+ 8 56.2	2.969	3.737	11.4	20.6
8 9	23 7.81	+ 8 36.6	2.870	3.731	9.4	20.5
8 19	23 2.48	+ 8 1.7	2.794	3.724	7.1	20.3
8 29	22 56.23	+ 7 12.4	2.743	3.717	4.8	20.1
9 8	22 49.59	+ 6 11.4	2.720	3.710	3.4	20.1
9 18	22 43.10	+ 5 2.3	2.727	3.702	4.4	20.1
9 28	22 37.36	+ 3 49.8	2.763	3.694	6.7	20.2
10 8	22 32.83	+ 2 38.9	2.826	3.685	9.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
158112	2001 BZ_{65}		9 4.0	216.°13	1.°2/ 2.3	18
	h m	° ′			°	m
7 30	23 12.16	− 7 51.9	2.848	3.693	10.0	20.8
8 9	23 8.10	− 8 52.5	2.760	3.685	7.5	20.6
8 19	23 2.69	−10 1.2	2.697	3.677	4.6	20.4
8 29	22 56.32	−11 14.1	2.663	3.668	1.8	20.2
9 8	22 49.54	−12 26.3	2.659	3.659	2.2	20.2
9 18	22 42.93	−13 33.1	2.684	3.650	5.1	20.4
9 28	22 37.10	−14 30.4	2.738	3.640	7.9	20.6
10 8	22 32.54	−15 15.4	2.817	3.630	10.4	20.7
514531	2016 YT_{6}		9 4.0	207.°52	3.°2/ 8.0	18
7 30	23 14.29	+ 6 6.9	2.852	3.633	11.6	21.6
8 9	23 9.69	+ 6 11.1	2.757	3.628	9.4	21.4
8 19	23 3.70	+ 6 2.2	2.684	3.623	6.9	21.3
8 29	22 56.71	+ 5 41.0	2.637	3.617	4.5	21.1
9 8	22 49.29	+ 5 9.3	2.618	3.611	3.2	21.0
9 18	22 42.04	+ 4 30.2	2.629	3.604	4.5	21.1
9 28	22 35.59	+ 3 47.5	2.668	3.597	7.0	21.2
10 8	22 30.44	+ 3 5.5	2.733	3.589	9.4	21.4
465010	2006 GH_{37}		9 4.0	19.°88	8.°1/30.5	17
7 30	23 17.38	−20 26.0	0.923	1.835	19.7	19.8
8 9	23 14.11	−21 23.4	0.886	1.842	15.2	19.6
8 19	23 7.32	−22 19.1	0.867	1.851	10.7	19.4
8 29	22 58.18	−23 0.5	0.868	1.861	8.2	19.3
9 8	22 48.41	−23 16.7	0.889	1.873	9.6	19.4
9 18	22 39.80	−23 2.8	0.931	1.886	13.5	19.7
9 28	22 33.83	−22 19.3	0.992	1.900	17.7	20.0
10 8	22 31.26	−21 10.9	1.070	1.916	21.4	20.3
493625	2015 PL_{29}		9 4.0	4.°88	3.°1/ 6.9	15
7 30	23 10.63	+ 3 37.1	1.591	2.428	16.8	20.8
8 9	23 7.84	+ 3 21.0	1.518	2.428	13.4	20.6
8 19	23 2.92	+ 2 43.3	1.466	2.429	9.4	20.4
8 29	22 56.49	+ 1 46.3	1.436	2.431	5.3	20.2
9 8	22 49.45	+ 0 35.5	1.431	2.433	3.2	20.0
9 18	22 42.79	− 0 41.7	1.451	2.436	6.1	20.2
9 28	22 37.50	− 1 56.8	1.497	2.440	10.2	20.5
10 8	22 34.31	− 3 2.3	1.566	2.444	14.0	20.7
395106	2009 SN_{46}		9 4.0	43.°25	4.°9/ 7.4	17
7 30	23 15.81	+ 4 56.0	0.962	1.823	23.4	21.0
8 9	23 12.82	+ 4 58.7	0.910	1.832	18.8	20.8
8 19	23 6.57	+ 4 29.1	0.873	1.841	13.4	20.5
8 29	22 57.97	+ 3 29.0	0.855	1.850	7.9	20.3
9 8	22 48.50	+ 2 6.1	0.859	1.860	4.9	20.1
9 18	22 39.83	+ 0 32.7	0.884	1.871	8.4	20.4
9 28	22 33.50	− 0 57.3	0.931	1.882	13.7	20.7
10 8	22 30.43	− 2 12.7	0.997	1.893	18.5	21.0
44501	1998 XN_{21}		9 4.0	308.°22	1.°0/ 2.9	18
7 30	23 12.32	− 7 41.7	2.118	2.976	12.4	18.1
8 9	23 8.74	− 8 17.2	2.026	2.957	9.4	17.9
8 19	23 3.36	− 9 2.5	1.957	2.939	5.9	17.7
8 29	22 56.65	− 9 53.8	1.914	2.920	2.2	17.4
9 8	22 49.33	−10 45.6	1.899	2.902	2.3	17.4
9 18	22 42.20	−11 32.6	1.910	2.884	6.1	17.6
9 28	22 36.10	−12 9.8	1.948	2.866	9.8	17.8
10 8	22 31.71	−12 34.0	2.010	2.848	13.0	18.0
295844	2008 VH_{39}		9 4.0	298.°59	4.°1/ 8.3	18
7 30	23 11.19	+ 8 15.8	1.712	2.522	16.9	19.9
8 9	23 8.28	+ 7 43.0	1.621	2.510	13.9	19.6
8 19	23 3.27	+ 6 43.6	1.549	2.498	10.3	19.4
8 29	22 56.67	+ 5 18.7	1.500	2.486	6.5	19.2
9 8	22 49.33	+ 3 33.7	1.476	2.474	4.1	19.0
9 18	22 42.21	+ 1 36.7	1.480	2.463	6.3	19.1
9 28	22 36.35	− 0 21.4	1.509	2.451	10.2	19.3
10 8	22 32.54	− 2 10.8	1.563	2.440	14.1	19.5
209285	2003 YS_{40}		9 4.0	235.°01	1.°3/ 2.7	18
7 30	23 15.17	− 8 12.8	2.061	2.916	12.8	20.8
8 9	23 10.85	− 8 54.5	1.980	2.910	9.7	20.6
8 19	23 4.67	− 9 45.9	1.923	2.904	6.1	20.4
8 29	22 57.14	−10 42.1	1.892	2.897	2.3	20.2
9 8	22 49.05	−11 37.5	1.888	2.890	2.6	20.2
9 18	22 41.24	−12 26.4	1.913	2.883	6.3	20.4
9 28	22 34.59	−13 4.1	1.964	2.876	10.0	20.6
10 8	22 29.75	−13 27.6	2.038	2.869	13.2	20.8
172907	2005 GC_{90}		9 4.0	38.°79	4.°8/31.2	18
7 30	23 15.05	−12 51.5	1.198	2.092	17.5	19.2
8 9	23 11.72	−14 17.4	1.151	2.101	13.1	19.0
8 19	23 5.59	−15 53.2	1.123	2.110	8.4	18.8
8 29	22 57.53	−17 27.6	1.118	2.120	4.9	18.6
9 8	22 48.83	−18 48.6	1.138	2.130	6.5	18.7
9 18	22 40.87	−19 46.9	1.181	2.140	10.7	19.0
9 28	22 34.91	−20 17.8	1.245	2.152	15.0	19.3
10 8	22 31.72	−20 21.3	1.329	2.163	18.7	19.5