191226 2002 RC_{170} 10 4.9 20.°94 7.°5/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.58	+27 42.4	2.366	3.072	15.4	20.2
9 8	1 6.51	+28 46.4	2.277	3.074	13.4	20.0
9 18	0 59.33	+29 31.9	2.208	3.076	11.2	19.9
9 28	0 50.54	+29 55.8	2.162	3.078	9.1	19.7
10 8	0 40.95	+29 57.0	2.141	3.080	7.7	19.6
10 18	0 31.54	+29 37.0	2.147	3.082	7.7	19.7
10 28	0 23.26	+29 0.3	2.180	3.084	9.1	19.7
11 7	0 16.90	+28 13.8	2.237	3.087	11.1	19.9

354351 2003 GY_{24} 10 4.9 341.°69 1.°8/ 1.7 18

8 29	1 0.16	− 3 26.5	4.151	4.989	7.1	20.5
9 8	0 56.71	− 3 52.2	4.072	4.988	5.3	20.4
9 18	0 52.38	− 4 19.6	4.019	4.986	3.5	20.2
9 28	0 47.47	− 4 46.4	3.995	4.985	2.0	20.1
10 8	0 42.32	− 5 10.3	4.001	4.984	2.3	20.2
10 18	0 37.30	− 5 29.0	4.036	4.983	4.0	20.3
10 28	0 32.79	− 5 40.7	4.100	4.982	5.8	20.4
11 7	0 29.09	− 5 44.3	4.190	4.980	7.5	20.5

515354 2013 CY_{74} 10 5.0 316.°52 2.°4/ 2.9 18

8 29	1 8.40	+ 0 8.7	1.766	2.618	14.5	21.2
9 8	1 4.26	− 0 20.1	1.689	2.611	11.1	21.0
9 18	0 57.90	− 0 56.7	1.633	2.605	7.2	20.8
9 28	0 49.93	− 1 36.3	1.603	2.598	3.3	20.5
10 8	0 41.25	− 2 12.8	1.600	2.592	3.4	20.5
10 18	0 32.90	− 2 40.4	1.624	2.586	7.3	20.7
10 28	0 25.88	− 2 54.4	1.674	2.580	11.2	21.0
11 7	0 20.94	− 2 52.3	1.746	2.575	14.7	21.2

269414 2009 SX_{20} 10 5.0 340.°82 4.°2/ 7.7 18

8 29	1 9.42	+13 30.7	1.288	2.122	19.9	19.8
9 8	1 6.05	+14 8.6	1.212	2.114	16.1	19.5
9 18	0 59.63	+14 26.8	1.153	2.107	11.7	19.2
9 28	0 50.82	+14 24.1	1.116	2.100	7.0	19.0
10 8	0 40.84	+14 2.6	1.102	2.095	4.2	18.8
10 18	0 31.20	+13 27.9	1.113	2.090	7.2	19.0
10 28	0 23.39	+12 48.7	1.147	2.086	12.0	19.2
11 7	0 18.48	+12 14.1	1.202	2.083	16.5	19.5

521329 2015 LH_{43} 10 5.0 58.°65 3.°6/ 8.4 18

8 29	1 8.87	+16 15.8	1.775	2.574	16.6	21.0
9 8	1 4.54	+16 22.1	1.710	2.590	13.4	20.8
9 18	0 58.00	+16 9.1	1.665	2.606	9.7	20.6
9 28	0 49.92	+15 37.6	1.644	2.622	5.9	20.4
10 8	0 41.28	+14 51.2	1.648	2.639	3.6	20.3
10 18	0 33.12	+13 55.7	1.681	2.656	5.6	20.5
10 28	0 26.41	+12 58.5	1.740	2.673	9.1	20.7
11 7	0 21.83	+12 6.8	1.823	2.690	12.5	21.0

59093 1998 VE_{47} 10 5.0 285.°69 4.°2/ 1.4 18

8 29	1 10.22	− 5 11.8	1.856	2.710	13.8	19.0
9 8	1 5.48	− 5 49.2	1.785	2.708	10.6	18.8
9 18	0 58.59	− 6 29.6	1.737	2.705	7.1	18.6
9 28	0 50.18	− 7 7.0	1.715	2.703	4.4	18.4
10 8	0 41.16	− 7 35.4	1.720	2.700	5.1	18.5
10 18	0 32.53	− 7 49.8	1.752	2.698	8.2	18.6
10 28	0 25.24	− 7 47.1	1.810	2.696	11.7	18.9
11 7	0 19.98	− 7 26.5	1.890	2.693	14.8	19.1

28655 Erincolfax 10 5.0 322.°25 0.°4/ 4.7 18

8 29	1 6.95	+ 7 9.9	1.444	2.294	17.2	18.9
9 8	1 3.65	+ 6 34.1	1.369	2.289	13.4	18.7
9 18	0 57.75	+ 5 40.7	1.314	2.283	8.8	18.4
9 28	0 49.93	+ 4 34.3	1.282	2.278	3.6	18.1
10 8	0 41.25	+ 3 22.5	1.276	2.273	1.8	17.9
10 18	0 32.96	+ 2 14.1	1.295	2.269	7.1	18.3
10 28	0 26.24	+ 1 18.0	1.340	2.264	12.0	18.5
11 7	0 21.97	+ 0 40.2	1.406	2.261	16.2	18.8

479833 2014 FM_{66} 10 5.0 287.°61 8.°1/27.5 18

8 29	1 10.71	−15 42.3	1.815	2.672	13.9	20.6
9 8	1 5.89	−16 50.6	1.757	2.671	11.3	20.5
9 18	0 58.85	−17 53.5	1.723	2.669	9.0	20.3
9 28	0 50.28	−18 42.3	1.713	2.668	8.1	20.3
10 8	0 41.14	−19 10.0	1.729	2.667	9.2	20.3
10 18	0 32.48	−19 12.4	1.770	2.666	11.5	20.5
10 28	0 25.29	−18 48.3	1.834	2.664	14.2	20.6
11 7	0 20.23	−18 0.2	1.917	2.663	16.6	20.8

314522 2005 YF_{9} 10 5.0 218.°12 0.°9/ 3.9 17

8 29	1 6.84	+ 3 35.9	2.541	3.369	11.4	22.2
9 8	1 2.40	+ 3 7.7	2.454	3.363	8.7	22.0
9 18	0 56.37	+ 2 31.5	2.390	3.357	5.6	21.8
9 28	0 49.22	+ 1 50.6	2.354	3.350	2.3	21.5
10 8	0 41.58	+ 1 9.0	2.348	3.343	1.7	21.5
10 18	0 34.15	+ 0 31.0	2.371	3.336	5.0	21.7
10 28	0 27.62	+ 0 0.7	2.422	3.329	8.2	21.9
11 7	0 22.55	− 0 19.0	2.499	3.321	11.0	22.1

370210 2002 GW_{118} 10 5.0 78.°52 4.°2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.83	− 3 42.4	1.342	2.201	17.8	20.4
9 8	1 10.98	− 4 8.7	1.293	2.218	13.5	20.2
9 18	1 2.29	− 4 39.2	1.264	2.235	8.9	20.0
9 28	0 51.71	− 5 6.7	1.260	2.252	4.8	19.8
10 8	0 40.57	− 5 24.3	1.281	2.268	5.2	19.8
10 18	0 30.28	− 5 26.8	1.329	2.285	9.2	20.1
10 28	0 22.05	− 5 11.3	1.400	2.302	13.4	20.4
11 7	0 16.62	− 4 37.9	1.493	2.318	17.0	20.7

345450 2006 ET_{38} 10 5.0 245.°49 6.°3/10.6 18

8 29	1 10.86	+22 9.0	1.855	2.618	17.3	20.5
9 8	1 6.38	+22 45.9	1.766	2.613	14.6	20.3
9 18	0 59.46	+23 1.8	1.696	2.608	11.5	20.1
9 28	0 50.66	+22 54.2	1.649	2.604	8.4	19.9
10 8	0 40.94	+22 23.8	1.627	2.599	6.4	19.8
10 18	0 31.46	+21 34.1	1.631	2.594	7.1	19.9
10 28	0 23.36	+20 32.4	1.662	2.589	9.9	20.0
11 7	0 17.52	+19 27.6	1.717	2.584	13.1	20.2

248702 2006 MF_{14} 10 5.0 46.°25 11.°9/16.5 18

8 29	1 18.18	+32 58.6	1.550	2.253	22.4	20.0
9 8	1 12.50	+34 45.1	1.502	2.282	19.8	19.9
9 18	1 3.61	+36 0.7	1.469	2.313	17.0	19.8
9 28	0 52.38	+36 38.6	1.455	2.344	14.4	19.7
10 8	0 40.26	+36 36.8	1.462	2.375	12.5	19.6
10 18	0 28.84	+35 58.6	1.492	2.407	11.9	19.7
10 28	0 19.62	+34 53.1	1.545	2.439	12.8	19.8
11 7	0 13.52	+33 32.9	1.620	2.471	14.6	20.0

394224 2006 SF_{315} 10 5.0 78.°99 1.°2/ 3.7 18

8 29	1 6.23	+ 4 29.2	1.937	2.777	13.9	21.5
9 8	1 2.34	+ 3 43.5	1.865	2.781	10.6	21.3
9 18	0 56.50	+ 2 46.4	1.816	2.785	6.8	21.1
9 28	0 49.31	+ 1 42.7	1.792	2.789	2.8	20.9
10 8	0 41.58	+ 0 38.6	1.797	2.792	2.2	20.9
10 18	0 34.21	− 0 19.6	1.830	2.796	6.1	21.1
10 28	0 28.05	− 1 5.9	1.889	2.800	9.9	21.4
11 7	0 23.72	− 1 36.7	1.972	2.804	13.2	21.6

171328 2006 JS_{17} 10 5.0 9.°66 1.°7/ 3.6 18

8 29	1 4.30	+ 3 51.7	1.305	2.174	17.6	20.2
9 8	1 1.69	+ 3 12.7	1.245	2.176	13.4	19.9
9 18	0 56.46	+ 2 19.1	1.204	2.179	8.6	19.7
9 28	0 49.38	+ 1 17.4	1.186	2.183	3.5	19.4
10 8	0 41.56	+ 0 16.0	1.193	2.189	3.0	19.4
10 18	0 34.26	− 0 36.2	1.224	2.195	7.9	19.7
10 28	0 28.65	− 1 11.9	1.280	2.202	12.6	20.0
11 7	0 25.49	− 1 27.3	1.355	2.211	16.6	20.3

260244 2004 RY_{325} 10 5.0 335.°88 4.°7/ 9.5 18

8 29	1 6.53	+18 40.5	1.954	2.739	15.8	19.8
9 8	1 2.87	+19 5.9	1.864	2.731	13.1	19.6
9 18	0 57.06	+19 13.1	1.794	2.723	10.0	19.4
9 28	0 49.63	+19 1.1	1.748	2.716	6.8	19.2
10 8	0 41.43	+18 31.4	1.727	2.709	4.8	19.1
10 18	0 33.42	+17 47.8	1.732	2.703	6.0	19.1
10 28	0 26.63	+16 56.9	1.765	2.697	9.0	19.3
11 7	0 21.80	+16 5.8	1.822	2.692	12.3	19.5

482264 2011 QW_{73} 10 5.0 79.°43 1.°4/ 6.3 18

8 29	1 8.47	+11 25.1	1.792	2.611	15.7	21.6
9 8	1 4.14	+11 1.8	1.728	2.626	12.3	21.4
9 18	0 57.70	+10 21.8	1.684	2.641	8.3	21.2
9 28	0 49.81	+ 9 28.1	1.666	2.657	4.0	21.0
10 8	0 41.40	+ 8 26.1	1.674	2.672	1.6	20.9
10 18	0 33.46	+ 7 22.6	1.711	2.687	5.4	21.2
10 28	0 26.93	+ 6 24.6	1.774	2.702	9.3	21.4
11 7	0 22.44	+ 5 37.8	1.862	2.716	12.8	21.7

338024 2002 GX_{99} 10 5.0 227.°41 1.°0/ 5.9 18

8 29	1 11.17	+ 9 8.1	2.073	2.885	14.1	21.7
9 8	1 6.20	+ 9 2.4	1.980	2.876	11.1	21.5
9 18	0 59.11	+ 8 44.2	1.909	2.866	7.5	21.2
9 28	0 50.47	+ 8 15.0	1.864	2.856	3.5	21.0
10 8	0 41.08	+ 7 38.6	1.848	2.846	1.3	20.8
10 18	0 31.90	+ 6 59.6	1.860	2.834	5.2	21.0
10 28	0 23.89	+ 6 23.8	1.901	2.823	9.2	21.3
11 7	0 17.78	+ 5 56.0	1.966	2.811	12.7	21.5

97715 2000 GN_{92} 10 5.0 242.°51 0.°0/ 4.9 18

8 29	1 5.11	+ 7 15.2	2.690	3.507	11.1	20.4
9 8	1 1.06	+ 6 48.5	2.595	3.496	8.6	20.2
9 18	0 55.50	+ 6 12.0	2.524	3.486	5.6	20.0
9 28	0 48.88	+ 5 28.2	2.481	3.475	2.4	19.7
10 8	0 41.78	+ 4 40.8	2.467	3.464	1.0	19.6
10 18	0 34.83	+ 3 53.9	2.482	3.453	4.4	19.9
10 28	0 28.71	+ 3 11.9	2.526	3.442	7.5	20.0
11 7	0 23.95	+ 2 38.6	2.597	3.430	10.3	20.2

517298 2014 HE_{67} 10 5.0 286°.31 1°.2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.85	+14 54.3	1.834	2.645	15.7	21.3
9 8	1 0.79	+13 37.6	1.745	2.639	12.4	21.1
9 18	0 55.65	+11 56.5	1.678	2.633	8.5	20.8
9 28	0 49.01	+ 9 54.9	1.636	2.627	4.2	20.5
10 8	0 41.72	+ 7 40.7	1.623	2.621	1.4	20.3
10 18	0 34.74	+ 5 24.4	1.639	2.615	5.6	20.6
10 28	0 28.99	+ 3 17.1	1.683	2.609	9.9	20.9
11 7	0 25.17	+ 1 27.7	1.753	2.603	13.7	21.1

40984 1999 TL_{288} 10 5.0 104°.09 3°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.79	− 4 54.3	2.241	3.088	12.0	19.2
9 8	1 3.97	− 5 28.2	2.174	3.093	9.1	19.1
9 18	0 57.41	− 6 4.6	2.131	3.098	6.1	18.9
9 28	0 49.66	− 6 38.4	2.115	3.103	3.7	18.7
10 8	0 41.47	− 7 4.9	2.128	3.108	4.3	18.8
10 18	0 33.64	− 7 20.2	2.168	3.113	7.0	19.0
10 28	0 26.93	− 7 21.6	2.236	3.118	9.9	19.2
11 7	0 21.89	− 7 8.2	2.327	3.123	12.6	19.4

447707 2007 EN_{78} 10 5.0 327°.45 1°.8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.46	+ 4 43.0	2.019	2.864	13.2	20.8
9 8	0 59.46	+ 3 23.2	1.939	2.859	10.0	20.6
9 18	0 54.66	+ 1 49.7	1.882	2.854	6.4	20.3
9 28	0 48.56	+ 0 8.6	1.853	2.849	2.7	20.1
10 8	0 41.92	− 1 32.5	1.851	2.844	2.8	20.1
10 18	0 35.55	− 3 5.4	1.879	2.840	6.5	20.3
10 28	0 30.25	− 4 23.3	1.933	2.836	10.2	20.5
11 7	0 26.63	− 5 21.5	2.011	2.832	13.4	20.8

404077 2012 DV_{81} 10 5.0 278°.71 3°.5/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.64	+15 42.5	2.245	3.028	14.0	21.0
9 8	1 4.98	+16 7.8	2.147	3.017	11.5	20.8
9 18	0 58.32	+16 19.0	2.070	3.006	8.5	20.6
9 28	0 50.15	+16 15.6	2.019	2.994	5.4	20.3
10 8	0 41.24	+15 59.0	1.995	2.983	3.6	20.2
10 18	0 32.46	+15 32.3	2.000	2.971	5.2	20.3
10 28	0 24.73	+15 0.3	2.032	2.960	8.3	20.5
11 7	0 18.79	+14 28.6	2.091	2.949	11.5	20.7

21537 Fréchet 10 5.0 118°.24 0°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.46	+ 6 20.9	2.463	3.285	11.8	19.5
9 8	1 2.06	+ 5 49.7	2.392	3.296	9.1	19.3
9 18	0 56.11	+ 5 9.0	2.343	3.307	5.9	19.1
9 28	0 49.12	+ 4 21.8	2.322	3.317	2.4	18.9
10 8	0 41.73	+ 3 32.5	2.330	3.328	1.2	18.8
10 18	0 34.64	+ 2 45.6	2.368	3.338	4.7	19.1
10 28	0 28.54	+ 2 5.4	2.434	3.348	7.8	19.3
11 7	0 23.93	+ 1 35.5	2.526	3.357	10.6	19.5

388322 2006 SV_{344} 10 5.0 119°.95 1°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.15	+11 49.1	2.021	2.833	14.4	21.5
9 8	1 3.06	+11 32.9	1.941	2.835	11.4	21.3
9 18	0 57.01	+11 1.3	1.882	2.837	7.8	21.1
9 28	0 49.56	+10 16.5	1.849	2.839	4.0	20.9
10 8	0 41.53	+ 9 22.7	1.844	2.840	1.7	20.7
10 18	0 33.80	+ 8 25.5	1.866	2.842	5.0	20.9
10 28	0 27.26	+ 7 31.3	1.917	2.844	8.8	21.2
11 7	0 22.56	+ 6 45.7	1.992	2.846	12.1	21.4

334879 2003 UA_{260} 10 5.0 349°.14 10°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.34	−19 50.1	1.602	2.475	14.7	19.2
9 8	1 0.67	−21 28.4	1.551	2.465	12.4	19.1
9 18	0 55.68	−22 57.9	1.520	2.456	10.9	18.9
9 28	0 49.04	−24 7.6	1.513	2.448	10.8	18.9
10 8	0 41.76	−24 48.9	1.528	2.441	12.1	19.0
10 18	0 34.91	−24 56.8	1.566	2.435	14.3	19.1
10 28	0 29.53	−24 30.7	1.623	2.430	16.8	19.3
11 7	0 26.32	−23 34.0	1.697	2.427	19.0	19.4

29783 Sanjanarane 10 5.0 317°.30 1°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.40	+ 4 35.1	1.352	2.216	17.4	18.1
9 8	1 2.76	+ 3 56.2	1.270	2.198	13.5	17.8
9 18	0 57.39	+ 3 0.5	1.207	2.180	8.8	17.5
9 28	0 49.90	+ 1 53.4	1.167	2.164	3.6	17.2
10 8	0 41.35	+ 0 43.2	1.151	2.147	2.9	17.1
10 18	0 33.06	− 0 20.5	1.161	2.132	8.2	17.3
10 28	0 26.35	− 1 8.5	1.194	2.117	13.3	17.6
11 7	0 22.21	− 1 35.1	1.248	2.103	17.8	17.8

171926 2001 SW_{143} 10 5.0 103°.85 1°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.02	+11 15.0	2.030	2.842	14.4	20.2
9 8	1 3.68	+11 2.5	1.954	2.848	11.3	20.0
9 18	0 57.38	+10 35.5	1.899	2.854	7.7	19.8
9 28	0 49.71	+ 9 56.0	1.870	2.860	3.9	19.6
10 8	0 41.49	+ 9 8.3	1.869	2.866	1.6	19.5
10 18	0 33.60	+ 8 17.5	1.896	2.872	5.0	19.7
10 28	0 26.93	+ 7 29.8	1.951	2.877	8.7	19.9
11 7	0 22.09	+ 6 50.3	2.030	2.883	12.0	20.2

189504 2000 CZ_{53} 10 5.0 232°.16 1°.5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.00	+12 6.2	2.689	3.485	11.7	20.9
9 8	1 1.77	+11 55.0	2.593	3.477	9.2	20.7
9 18	0 56.00	+11 32.0	2.520	3.469	6.4	20.5
9 28	0 49.12	+10 58.5	2.473	3.460	3.4	20.3
10 8	0 41.73	+10 17.4	2.456	3.452	1.6	20.1
10 18	0 34.51	+ 9 32.4	2.468	3.443	4.1	20.3
10 28	0 28.14	+ 8 48.1	2.509	3.433	7.1	20.5
11 7	0 23.15	+ 8 8.9	2.576	3.424	9.9	20.7

291742 2006 JN_{56} 10 5.0 165°.11 3°.6/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.10	− 0 11.2	1.494	2.352	16.4	20.7
9 8	1 6.62	− 1 15.1	1.429	2.355	12.4	20.5
9 18	0 59.58	− 2 29.4	1.385	2.357	8.1	20.2
9 28	0 50.69	− 3 46.4	1.366	2.359	4.2	20.0
10 8	0 41.08	− 4 56.9	1.373	2.361	4.8	20.1
10 18	0 31.98	− 5 52.4	1.407	2.362	8.9	20.3
10 28	0 24.54	− 6 26.9	1.465	2.363	13.1	20.6
11 7	0 19.54	− 6 38.1	1.544	2.364	16.8	20.8

424410 2008 AZ_{39} 10 5.0 190°.92 1°.4/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.61	+10 42.6	1.909	2.718	15.2	21.9
9 8	1 7.41	+10 30.3	1.824	2.717	12.0	21.7
9 18	0 59.96	+10 2.6	1.760	2.715	8.2	21.5
9 28	0 50.85	+ 9 21.5	1.722	2.713	4.0	21.2
10 8	0 41.01	+ 8 31.4	1.712	2.710	1.6	21.0
10 18	0 31.47	+ 7 37.9	1.731	2.706	5.5	21.3
10 28	0 23.28	+ 6 48.0	1.778	2.701	9.6	21.5
11 7	0 17.18	+ 6 7.3	1.849	2.696	13.2	21.8

393209 2013 CC_{222} 10 5.0 347°.30 1°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.64	+15 41.8	4.064	4.835	8.4	21.3
9 8	0 56.43	+15 32.5	3.969	4.833	6.8	21.2
9 18	0 52.29	+15 14.1	3.898	4.832	4.9	21.1
9 28	0 47.50	+14 47.4	3.854	4.831	3.0	21.0
10 8	0 42.44	+14 14.3	3.840	4.829	1.8	20.9
10 18	0 37.50	+13 37.0	3.855	4.828	2.8	20.9
10 28	0 33.08	+12 58.3	3.900	4.827	4.7	21.1
11 7	0 29.51	+12 21.1	3.972	4.826	6.6	21.2

315911 2008 RH_{67} 10 5.0 302°.16 0°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.68	+ 1 31.2	4.131	4.957	7.4	19.9
9 8	0 57.16	+ 1 14.5	4.039	4.948	5.6	19.8
9 18	0 52.74	+ 0 54.2	3.974	4.940	3.6	19.6
9 28	0 47.69	+ 0 32.2	3.937	4.932	1.5	19.4
10 8	0 42.37	+ 0 10.5	3.930	4.924	1.3	19.4
10 18	0 37.17	− 0 8.5	3.953	4.915	3.3	19.6
10 28	0 32.45	− 0 22.9	4.006	4.907	5.4	19.7
11 7	0 28.56	− 0 31.1	4.085	4.899	7.2	19.8

427426 2000 SW_{96} 10 5.0 24°.16 5°.8/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.37	+16 28.4	0.951	1.801	24.0	19.7
9 8	1 4.98	+17 9.6	0.903	1.812	19.6	19.5
9 18	0 59.07	+17 20.9	0.870	1.824	14.5	19.2
9 28	0 50.61	+17 1.1	0.855	1.837	9.2	19.0
10 8	0 41.17	+16 14.7	0.861	1.852	5.9	18.9
10 18	0 32.55	+15 11.1	0.889	1.868	8.2	19.1
10 28	0 26.33	+14 3.7	0.938	1.885	13.0	19.4
11 7	0 23.44	+13 4.6	1.007	1.904	17.5	19.7

120288 2004 HK_{61} 10 5.0 77°.58 2°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.38	+10 47.4	1.530	2.353	17.7	19.8
9 8	1 8.31	+10 58.4	1.467	2.367	14.0	19.6
9 18	1 0.64	+10 52.8	1.424	2.380	9.6	19.4
9 28	0 51.14	+10 32.0	1.404	2.394	4.9	19.1
10 8	0 40.95	+10 0.3	1.410	2.407	2.2	19.0
10 18	0 31.33	+ 9 23.6	1.444	2.420	6.1	19.3
10 28	0 23.44	+ 8 49.0	1.504	2.434	10.5	19.6
11 7	0 18.06	+ 8 22.6	1.586	2.447	14.3	19.9

150269 1999 RB_{187} 10 5.0 10°.90 0°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.88	+ 6 53.4	1.331	2.193	17.7	19.0
9 8	1 0.55	+ 6 37.0	1.273	2.199	13.6	18.7
9 18	0 55.71	+ 6 4.7	1.235	2.206	8.9	18.5
9 28	0 49.10	+ 5 20.6	1.219	2.215	3.8	18.2
10 8	0 41.81	+ 4 31.8	1.227	2.225	1.6	18.1
10 18	0 35.04	+ 3 46.0	1.260	2.237	6.7	18.5
10 28	0 29.89	+ 3 10.6	1.318	2.250	11.4	18.8
11 7	0 27.11	+ 2 50.6	1.396	2.265	15.4	19.0

218530 2004 TQ_{355} 10 5.0 307°.10 4°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.44	− 1 54.4	1.983	2.844	12.8	19.6
9 8	0 59.60	− 3 27.2	1.896	2.824	9.7	19.4
9 18	0 54.87	− 5 10.0	1.833	2.804	6.5	19.1
9 28	0 48.74	− 6 55.6	1.796	2.785	4.2	19.0
10 8	0 41.94	− 8 35.1	1.788	2.765	5.3	19.0
10 18	0 35.31	−10 0.4	1.807	2.746	8.5	19.2
10 28	0 29.74	−11 4.8	1.851	2.727	12.0	19.3
11 7	0 25.89	−11 45.3	1.917	2.709	15.0	19.5

206017 2002 PY_{156} 10 5.0 41°.15 3°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.77	+14 33.9	1.710	2.517	16.8	20.1
9 8	1 5.47	+14 50.6	1.636	2.523	13.5	19.9
9 18	0 58.79	+14 49.3	1.582	2.528	9.7	19.6
9 28	0 50.39	+14 30.3	1.552	2.534	5.8	19.4
10 8	0 41.27	+13 56.7	1.547	2.540	3.4	19.3
10 18	0 32.53	+13 13.6	1.570	2.546	5.8	19.5
10 28	0 25.26	+12 28.3	1.619	2.552	9.6	19.7
11 7	0 20.23	+11 47.6	1.692	2.559	13.3	20.0

469879 2005 UQ_{207} 10 5.0 3°.30 4°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.42	− 3 56.3	1.099	1.983	19.0	20.5
9 8	1 6.11	− 4 13.2	1.043	1.981	14.6	20.2
9 18	0 59.62	− 4 34.7	1.005	1.981	9.7	19.9
9 28	0 50.82	− 4 53.2	0.989	1.982	5.3	19.7
10 8	0 41.11	− 5 0.9	0.995	1.985	5.7	19.7
10 18	0 32.07	− 4 51.6	1.025	1.988	10.2	20.0
10 28	0 25.15	− 4 22.0	1.077	1.993	15.0	20.3
11 7	0 21.24	− 3 32.5	1.147	2.000	19.2	20.6

120958 1998 UA_{43} 10 5.0 23°.30 3°.1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.42	− 3 54.0	1.747	2.599	14.6	18.5
9 8	1 7.18	− 3 53.6	1.686	2.607	11.2	18.3
9 18	0 59.70	− 3 55.4	1.647	2.617	7.3	18.1
9 28	0 50.70	− 3 55.2	1.634	2.627	3.8	17.9
10 8	0 41.18	− 3 48.5	1.648	2.637	3.9	17.9
10 18	0 32.18	− 3 32.2	1.690	2.648	7.3	18.2
10 28	0 24.70	− 3 4.2	1.757	2.660	11.0	18.4
11 7	0 19.38	− 2 24.1	1.848	2.673	14.2	18.7

155312 2005 YC_{168} 10 5.0 114°.57 1°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.15	+12 57.8	2.449	3.246	12.6	20.6
9 8	1 1.94	+12 41.8	2.370	3.254	10.0	20.5
9 18	0 56.11	+12 12.4	2.314	3.262	6.9	20.3
9 28	0 49.18	+11 31.4	2.283	3.270	3.7	20.1
10 8	0 41.81	+10 42.1	2.282	3.277	1.8	20.0
10 18	0 34.71	+ 9 49.2	2.310	3.285	4.2	20.2
10 28	0 28.60	+ 8 57.7	2.366	3.292	7.4	20.4
11 7	0 24.01	+ 8 12.5	2.448	3.300	10.2	20.6

407202 2009 UR_{143} 10 5.0 302°.93 1°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.44	+10 50.2	2.224	3.039	13.2	21.4
9 8	1 0.94	+10 29.5	2.130	3.026	10.4	21.2
9 18	0 55.65	+ 9 54.8	2.057	3.014	7.1	21.0
9 28	0 49.06	+ 9 8.1	2.010	3.001	3.5	20.7
10 8	0 41.85	+ 8 13.5	1.991	2.989	1.3	20.6
10 18	0 34.81	+ 7 16.1	2.001	2.977	4.7	20.8
10 28	0 28.76	+ 6 21.9	2.038	2.965	8.4	21.0
11 7	0 24.33	+ 5 36.1	2.101	2.953	11.7	21.2

346581 2008 VQ_{65} 10 5.0 339°.51 2°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.42	+ 0 52.3	1.373	2.242	16.9	20.6
9 8	1 3.39	+ 0 17.5	1.301	2.232	12.9	20.4
9 18	0 57.70	− 0 28.4	1.249	2.224	8.4	20.1
9 28	0 50.02	− 1 19.1	1.220	2.216	3.9	19.8
10 8	0 41.46	− 2 6.7	1.216	2.208	3.9	19.8
10 18	0 33.27	− 2 43.3	1.236	2.202	8.5	20.1
10 28	0 26.71	− 3 2.4	1.281	2.197	13.2	20.3
11 7	0 22.65	− 3 0.9	1.345	2.192	17.3	20.6

262936 2007 DJ_{21} 10 5.0 172°.23 1°.1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.22	+ 3 38.9	2.485	3.315	11.5	21.3
9 8	1 1.95	+ 3 2.5	2.406	3.316	8.8	21.1
9 18	0 56.12	+ 2 18.0	2.351	3.318	5.6	20.9
9 28	0 49.20	+ 1 28.8	2.323	3.319	2.3	20.7
10 8	0 41.84	+ 0 39.3	2.325	3.320	1.8	20.7
10 18	0 34.73	− 0 5.7	2.356	3.321	5.1	20.9
10 28	0 28.56	− 0 42.0	2.415	3.321	8.2	21.1
11 7	0 23.85	− 1 6.8	2.499	3.321	11.0	21.3

162297 1999 VU_{167} 10 5.0 323°.75 2°.1/ 6.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.17	+11 22.5	1.504	2.339	17.4	19.2
9 8	1 3.19	+11 24.0	1.417	2.323	13.9	19.0
9 18	0 57.61	+11 7.0	1.348	2.308	9.7	18.7
9 28	0 50.03	+10 32.6	1.303	2.294	5.0	18.4
10 8	0 41.44	+ 9 45.3	1.283	2.280	2.2	18.2
10 18	0 33.06	+ 8 51.6	1.288	2.266	6.3	18.4
10 28	0 26.15	+ 8 0.1	1.318	2.254	11.1	18.7
11 7	0 21.64	+ 7 18.5	1.370	2.242	15.5	18.9

249007 2007 PY_{37} 10 5.0 63°.03 6°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.01	+22 54.8	1.635	2.397	19.3	20.1
9 8	1 9.50	+23 42.1	1.581	2.425	16.1	20.0
9 18	1 1.37	+24 4.9	1.544	2.454	12.6	19.8
9 28	0 51.45	+24 1.0	1.530	2.482	9.2	19.7
10 8	0 40.92	+23 31.9	1.541	2.510	7.1	19.7
10 18	0 31.05	+22 42.9	1.577	2.538	7.6	19.8
10 28	0 23.00	+21 42.6	1.640	2.566	10.1	20.0
11 7	0 17.51	+20 40.3	1.727	2.594	13.0	20.2

167210 2003 UN_{14} 10 5.0 306°.85 1°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.40	+ 1 36.4	1.677	2.527	15.2	19.9
9 8	1 5.26	+ 1 16.5	1.596	2.517	11.7	19.6
9 18	0 58.73	+ 0 47.4	1.535	2.506	7.6	19.4
9 28	0 50.43	+ 0 13.5	1.500	2.495	3.3	19.1
10 8	0 41.30	− 0 19.4	1.491	2.485	2.8	19.0
10 18	0 32.45	− 0 45.4	1.509	2.475	7.2	19.3
10 28	0 25.01	− 0 59.1	1.552	2.465	11.5	19.5
11 7	0 19.77	− 0 57.5	1.618	2.456	15.2	19.7

364546 2007 GC_{12} 10 5.0 158°.90 2°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.06	− 3 1.9	2.337	3.178	11.8	21.0
9 8	1 4.18	− 3 28.2	2.263	3.180	8.9	20.8
9 18	0 57.59	− 3 58.0	2.214	3.181	5.9	20.6
9 28	0 49.82	− 4 27.1	2.191	3.183	3.2	20.4
10 8	0 41.59	− 4 51.0	2.198	3.184	3.5	20.5
10 18	0 33.66	− 5 6.0	2.233	3.185	6.3	20.6
10 28	0 26.80	− 5 9.1	2.296	3.186	9.4	20.8
11 7	0 21.55	− 4 59.1	2.383	3.187	12.1	21.0

389108 2008 YN_{37} 10 5.0 28°.89 4°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.98	− 3 3.6	1.642	2.506	14.8	20.7
9 8	1 3.25	− 4 8.1	1.580	2.509	11.3	20.5
9 18	0 57.28	− 5 18.9	1.541	2.512	7.5	20.3
9 28	0 49.75	− 6 28.6	1.526	2.516	4.6	20.1
10 8	0 41.62	− 7 28.9	1.538	2.520	5.4	20.2
10 18	0 33.95	− 8 12.9	1.576	2.524	8.8	20.4
10 28	0 27.70	− 8 36.0	1.639	2.529	12.5	20.6
11 7	0 23.58	− 8 37.0	1.723	2.533	15.7	20.9

329883 2005 EX_{107} 10 5.0 335°.83 2°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.63	+ 0 12.2	2.068	2.921	12.6	20.6
9 8	1 0.34	− 0 39.8	1.990	2.914	9.6	20.3
9 18	0 55.25	− 1 39.9	1.936	2.908	6.2	20.1
9 28	0 48.88	− 2 42.8	1.908	2.902	3.1	19.9
10 8	0 41.97	− 3 42.3	1.907	2.896	3.5	19.9
10 18	0 35.32	− 4 32.5	1.934	2.891	6.8	20.1
10 28	0 29.72	− 5 8.4	1.987	2.886	10.2	20.3
11 7	0 25.80	− 5 27.4	2.064	2.881	13.2	20.5

51746 2001 KM_{62} 10 5.0 25°.20 2°.2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.87	+ 1 56.6	1.518	2.378	16.0	18.9
9 8	1 3.31	+ 1 17.0	1.458	2.384	12.2	18.6
9 18	0 57.38	+ 0 26.8	1.418	2.391	7.8	18.4
9 28	0 49.80	− 0 28.1	1.402	2.398	3.4	18.2
10 8	0 41.61	− 1 20.3	1.413	2.406	3.3	18.2
10 18	0 33.91	− 2 2.6	1.449	2.415	7.5	18.5
10 28	0 27.75	− 2 29.3	1.511	2.424	11.7	18.7
11 7	0 23.83	− 2 37.7	1.594	2.434	15.4	19.0

409182 2003 UZ_{298} 10 5.0 24°.19 1°.3/ 6.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.59	+11 51.1	1.907	2.729	14.8	21.1
9 8	1 0.42	+11 21.6	1.836	2.737	11.6	20.9
9 18	0 55.33	+10 35.5	1.787	2.744	7.9	20.7
9 28	0 48.91	+ 9 35.8	1.762	2.753	3.9	20.5
10 8	0 41.98	+ 8 27.8	1.764	2.761	1.5	20.3
10 18	0 35.40	+ 7 18.1	1.794	2.771	5.0	20.6
10 28	0 30.02	+ 6 13.8	1.851	2.780	8.9	20.9
11 7	0 26.44	+ 5 20.5	1.932	2.791	12.2	21.1

225117 2008 EX_{45} 10 5.0 41°.16 4°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.31	+16 47.0	1.308	2.126	20.5	19.8
9 8	1 6.50	+17 12.1	1.246	2.136	16.7	19.6
9 18	0 59.76	+17 12.7	1.202	2.146	12.3	19.4
9 28	0 50.88	+16 48.3	1.179	2.157	7.7	19.2
10 8	0 41.15	+16 2.5	1.179	2.169	4.9	19.1
10 18	0 32.01	+15 2.7	1.205	2.181	7.1	19.2
10 28	0 24.81	+13 59.1	1.255	2.193	11.3	19.5
11 7	0 20.40	+13 1.5	1.326	2.206	15.3	19.8

350860 2002 NM_{36} 10 5.0 88°.31 6°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.66	+26 14.3	1.923	2.661	17.5	20.9
9 8	1 5.25	+26 33.4	1.851	2.676	14.9	20.7
9 18	0 58.58	+26 28.0	1.796	2.690	12.0	20.5
9 28	0 50.31	+25 56.4	1.763	2.704	9.1	20.4
10 8	0 41.40	+25 0.4	1.756	2.718	7.0	20.3
10 18	0 32.93	+23 44.9	1.774	2.732	7.1	20.4
10 28	0 25.90	+22 18.3	1.820	2.746	9.2	20.5
11 7	0 21.02	+20 49.9	1.891	2.760	12.0	20.7

188402 2004 EQ_{22} 10 5.0 206°.42 1°.1/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.50	+ 4 47.6	1.827	2.662	14.8	21.5
9 8	1 5.87	+ 4 8.2	1.745	2.658	11.4	21.2
9 18	0 59.01	+ 3 16.4	1.686	2.653	7.4	21.0
9 28	0 50.52	+ 2 16.4	1.652	2.648	3.0	20.7
10 8	0 41.30	+ 1 14.6	1.647	2.643	2.2	20.6
10 18	0 32.41	+ 0 17.8	1.669	2.637	6.5	20.9
10 28	0 24.84	− 0 27.4	1.719	2.630	10.7	21.1
11 7	0 19.35	− 0 56.8	1.792	2.623	14.3	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
24067 1999 TW_{152}		10 5.0 294°.10 2°.4/ 3.1 18				
	h m	° ′			°	m
8 29	1 9.39	+ 0 31.4	1.714	2.565	14.9	19.2
9 8	1 5.36	+ 0 2.7	1.620	2.542	11.5	19.0
9 18	0 58.90	− 0 35.2	1.548	2.519	7.5	18.7
9 28	0 50.56	− 1 17.5	1.501	2.497	3.5	18.4
10 8	0 41.26	− 1 57.9	1.481	2.474	3.4	18.4
10 18	0 32.11	− 2 29.8	1.488	2.451	7.7	18.6
10 28	0 24.26	− 2 47.6	1.521	2.429	12.0	18.8
11 7	0 18.61	− 2 48.0	1.575	2.406	15.9	19.0
475837 2007 BF_{24}		10 5.1 128°.52 0°.6/ 5.6 16				
8 29	1 11.03	+ 9 2.8	1.771	2.594	15.7	22.0
9 8	1 6.22	+ 8 39.5	1.701	2.604	12.2	21.8
9 18	0 59.17	+ 8 1.0	1.652	2.613	8.1	21.5
9 28	0 50.55	+ 7 10.7	1.628	2.622	3.6	21.3
10 8	0 41.33	+ 6 14.0	1.633	2.631	1.3	21.1
10 18	0 32.55	+ 5 17.6	1.665	2.639	5.7	21.5
10 28	0 25.22	+ 4 28.2	1.724	2.647	9.9	21.7
11 7	0 20.03	+ 3 51.0	1.807	2.654	13.5	22.0
134267 2006 BQ_{98}		10 5.1 234°.07 3°.4/30.8 17				
8 29	1 10.91	− 8 16.7	3.171	4.002	9.3	21.1
9 8	1 5.23	− 8 42.2	3.078	3.986	7.2	21.0
9 18	0 58.14	− 9 7.7	3.011	3.970	5.0	20.8
9 28	0 50.06	− 9 29.5	2.973	3.953	3.5	20.7
10 8	0 41.53	− 9 44.2	2.965	3.935	4.0	20.7
10 18	0 33.15	− 9 49.1	2.988	3.917	6.0	20.8
10 28	0 25.55	− 9 42.4	3.039	3.899	8.3	20.9
11 7	0 19.21	− 9 23.4	3.116	3.880	10.4	21.1
512461 2016 QO_{46}		10 5.1 23°.57 1°.1/ 5.8 18				
8 29	1 8.37	+ 8 18.5	1.158	2.017	20.0	20.3
9 8	1 5.13	+ 8 23.1	1.104	2.026	15.6	20.1
9 18	0 58.90	+ 8 9.4	1.068	2.037	10.4	19.9
9 28	0 50.53	+ 7 40.4	1.054	2.048	4.8	19.6
10 8	0 41.37	+ 7 2.6	1.063	2.061	1.7	19.4
10 18	0 32.89	+ 6 23.9	1.096	2.075	7.1	19.8
10 28	0 26.43	+ 5 52.5	1.152	2.089	12.2	20.1
11 7	0 22.81	+ 5 34.6	1.230	2.105	16.6	20.5
117503 2005 CA_{23}		10 5.1 349°.17 6°.5/ 9.4 17				
8 29	1 11.75	+18 18.3	1.731	2.517	17.5	18.4
9 8	1 7.35	+19 38.8	1.643	2.507	14.7	18.2
9 18	1 0.33	+20 43.9	1.575	2.499	11.4	18.0
9 28	0 51.22	+21 29.7	1.530	2.492	8.3	17.8
10 8	0 41.03	+21 54.9	1.511	2.486	6.5	17.7
10 18	0 30.96	+22 0.7	1.518	2.480	7.6	17.7
10 28	0 22.31	+21 51.8	1.550	2.476	10.5	17.9
11 7	0 16.06	+21 35.5	1.605	2.473	13.8	18.1
220870 2004 XY_5		10 5.1 283°.81 2°.1/ 2.5 18				
8 29	1 3.62	+ 2 17.8	2.281	3.124	12.0	20.1
9 8	1 0.26	+ 1 12.5	2.189	3.108	9.1	19.9
9 18	0 55.20	− 0 3.2	2.121	3.092	5.8	19.6
9 28	0 48.91	− 1 24.3	2.080	3.075	2.7	19.4
10 8	0 42.04	− 2 44.6	2.068	3.059	3.0	19.4
10 18	0 35.34	− 3 57.6	2.085	3.042	6.3	19.6
10 28	0 29.57	− 4 57.5	2.129	3.026	9.7	19.8
11 7	0 25.32	− 5 40.6	2.197	3.009	12.7	20.0
319512 2006 QW_{146}		10 5.1 131°.49 0°.6/ 5.5 17				
8 29	1 13.40	+ 8 35.9	1.671	2.495	16.4	21.8
9 8	1 8.15	+ 8 16.6	1.603	2.507	12.8	21.6
9 18	1 0.49	+ 7 42.1	1.556	2.518	8.5	21.3
9 28	0 51.13	+ 6 55.7	1.535	2.529	3.8	21.1
10 8	0 41.14	+ 6 3.0	1.541	2.539	1.3	20.9
10 18	0 31.67	+ 5 10.6	1.574	2.548	6.0	21.3
10 28	0 23.77	+ 4 25.6	1.635	2.557	10.4	21.6
11 7	0 18.20	+ 3 53.2	1.719	2.566	14.1	21.8
1889 Pakhmutova		10 5.1 236°.89 4°.2/30.4 18 R				
8 29	1 8.72	− 8 10.8	2.484	3.329	11.0	16.4
9 8	1 3.90	− 8 50.3	2.406	3.322	8.5	16.2
9 18	0 57.43	− 9 30.2	2.352	3.314	6.0	16.0
9 28	0 49.80	−10 5.7	2.326	3.306	4.3	15.9
10 8	0 41.69	−10 32.2	2.328	3.297	5.0	15.9
10 18	0 33.82	−10 45.7	2.358	3.289	7.3	16.1
10 28	0 26.93	−10 44.0	2.416	3.280	10.0	16.2
11 7	0 21.58	−10 26.4	2.497	3.271	12.4	16.4
253623 2003 UD_{82}		10 5.1 17°.99 1°.4/ 4.4 17				
8 29	1 10.62	+ 1 56.8	0.939	1.823	21.5	19.5
9 8	1 7.39	+ 2 10.2	0.892	1.830	16.5	19.2
9 18	1 0.62	+ 2 11.9	0.861	1.838	10.7	19.0
9 28	0 51.31	+ 2 6.6	0.850	1.848	4.4	18.7
10 8	0 41.10	+ 2 1.2	0.862	1.859	2.8	18.6
10 18	0 31.76	+ 2 2.0	0.895	1.872	8.8	19.0
10 28	0 24.87	+ 2 14.9	0.951	1.886	14.4	19.4
11 7	0 21.31	+ 2 42.6	1.024	1.901	19.1	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
142915 2002 VD_{56}		10 5.1 217°.23 1°.5/ 3.4 18				
	h m	° ′			°	m
8 29	1 6.35	+ 3 48.8	2.002	2.842	13.5	20.1
9 8	1 2.48	+ 2 58.2	1.924	2.841	10.3	19.8
9 18	0 56.69	+ 1 56.6	1.869	2.839	6.6	19.6
9 28	0 49.53	+ 0 48.6	1.841	2.837	2.8	19.4
10 8	0 41.81	− 0 19.3	1.840	2.835	2.5	19.4
10 18	0 34.38	− 1 20.6	1.868	2.833	6.2	19.6
10 28	0 28.11	− 2 9.6	1.923	2.830	10.0	19.8
11 7	0 23.62	− 2 42.5	2.002	2.828	13.2	20.0
34910 4052 P–L		10 5.1 346°.70 1°.6/ 6.7 18				
8 29	1 3.87	+12 45.7	1.832	2.653	15.3	18.4
9 8	1 0.84	+12 14.2	1.750	2.649	12.1	18.2
9 18	0 55.75	+11 24.0	1.689	2.646	8.4	17.9
9 28	0 49.18	+10 17.7	1.653	2.643	4.2	17.7
10 8	0 41.95	+ 9 0.8	1.643	2.640	1.7	17.5
10 18	0 35.02	+ 7 40.5	1.660	2.638	5.3	17.7
10 28	0 29.32	+ 6 24.9	1.705	2.636	9.4	18.0
11 7	0 25.52	+ 5 21.0	1.774	2.635	13.0	18.2
514216 2015 OB_{11}		10 5.1 158°.93 1°.8/ 3.2 18				
8 29	1 9.12	+ 1 53.8	2.038	2.877	13.3	22.1
9 8	1 4.50	+ 1 14.8	1.965	2.881	10.1	21.9
9 18	0 57.95	+ 0 27.4	1.915	2.884	6.5	21.7
9 28	0 50.05	− 0 23.9	1.892	2.887	2.9	21.5
10 8	0 41.62	− 1 13.5	1.897	2.890	2.7	21.5
10 18	0 33.53	− 1 55.9	1.930	2.892	6.3	21.7
10 28	0 26.64	− 2 26.3	1.991	2.894	9.9	21.9
11 7	0 21.58	− 2 42.0	2.075	2.896	13.0	22.2
488409 2016 WB_{55}		10 5.1 16°.95 9°.9/27.9 18				
8 29	1 7.69	−15 0.1	1.245	2.128	17.3	19.6
9 8	1 4.33	−16 15.9	1.206	2.136	13.9	19.5
9 18	0 58.19	−17 23.9	1.188	2.144	11.1	19.3
9 28	0 50.18	−18 12.8	1.191	2.154	9.9	19.3
10 8	0 41.60	−18 33.5	1.216	2.165	11.1	19.4
10 18	0 33.79	−18 22.0	1.264	2.177	13.8	19.6
10 28	0 27.90	−17 38.5	1.332	2.190	16.9	19.8
11 7	0 24.63	−16 27.8	1.418	2.205	19.6	20.1
443837 2000 TJ_1		10 5.1 115°.95 3°.3/ 3.6 15 R				
8 29	1 18.45	+62 52.4	0.433	1.172	57.8	20.1
9 8	1 16.50	+56 6.3	0.345	1.184	51.7	19.5
9 18	1 7.42	+43 9.0	0.265	1.196	39.3	18.6
9 28	0 53.95	+19 46.1	0.216	1.207	16.3	17.5
10 8	0 40.32	− 9 15.9	0.225	1.218	12.7	17.4
10 18	0 30.00	−29 43.8	0.290	1.227	33.0	18.6
10 28	0 25.01	−40 19.9	0.381	1.235	43.4	19.5
11 7	0 25.49	−45 26.5	0.480	1.242	48.5	20.2
14916 1993 VV_7		10 5.1 332°.58 21°.2/29.0 18				
8 29	1 2.88	−46 56.2	1.330	2.129	21.2	17.0
9 8	1 2.18	−50 10.5	1.307	2.096	21.8	16.9
9 18	0 57.73	−52 47.8	1.300	2.065	23.0	16.9
9 28	0 50.30	−54 33.8	1.307	2.034	24.4	17.0
10 8	0 41.47	−55 20.4	1.324	2.006	25.9	17.0
10 18	0 33.23	−55 5.6	1.349	1.978	27.4	17.1
10 28	0 27.45	−53 53.1	1.381	1.953	28.7	17.1
11 7	0 25.21	−51 50.5	1.417	1.929	29.7	17.2
63066 2000 WQ_{122}		10 5.1 94°.93 4°.8/30.1 18				
8 29	1 8.42	− 8 16.6	2.166	3.019	12.2	19.6
9 8	1 3.81	− 9 5.6	2.104	3.024	9.4	19.4
9 18	0 57.41	− 9 54.8	2.066	3.029	6.6	19.3
9 28	0 49.81	−10 38.6	2.054	3.033	4.9	19.2
10 8	0 41.75	−11 11.2	2.070	3.038	5.6	19.2
10 18	0 34.08	−11 28.7	2.113	3.043	8.1	19.4
10 28	0 27.55	−11 28.6	2.183	3.048	10.9	19.6
11 7	0 22.75	−11 10.8	2.274	3.053	13.4	19.8
315881 2008 KZ		10 5.1 218°.47 5°.2/29.1 18				
8 29	1 6.88	− 9 18.0	2.274	3.128	11.6	20.6
9 8	1 2.63	−10 21.2	2.206	3.125	9.0	20.4
9 18	0 56.67	−11 24.7	2.162	3.123	6.5	20.2
9 28	0 49.51	−12 22.4	2.145	3.120	5.2	20.2
10 8	0 41.87	−13 8.3	2.156	3.117	6.1	20.2
10 18	0 34.53	−13 37.9	2.195	3.114	8.4	20.4
10 28	0 28.25	−13 48.5	2.258	3.111	11.0	20.5
11 7	0 23.58	−13 39.7	2.344	3.108	13.4	20.7
369955 2013 MK_3		10 5.1 29°.14 7°.8/ 1.1 17				
8 29	1 9.87	− 7 28.1	0.788	1.694	22.2	18.8
9 8	1 6.71	− 8 22.2	0.769	1.717	17.0	18.6
9 18	0 59.92	− 9 14.9	0.765	1.742	11.7	18.4
9 28	0 50.87	− 9 53.7	0.781	1.769	8.1	18.4
10 8	0 41.43	−10 8.3	0.817	1.797	9.0	18.5
10 18	0 33.34	− 9 54.2	0.873	1.827	13.0	18.9
10 28	0 27.93	− 9 11.8	0.949	1.859	17.3	19.2
11 7	0 25.79	− 8 5.6	1.041	1.891	21.0	19.6

421932 2014 QK_{240} 10 5.1 59°.61 0°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.88	+ 5 17.1	2.158	2.991	12.9	21.2
9 8	1 1.87	+ 4 43.8	2.093	3.004	9.8	21.0
9 18	0 56.15	+ 4 0.7	2.051	3.017	6.3	20.8
9 28	0 49.28	+ 3 11.4	2.035	3.031	2.6	20.6
10 8	0 41.99	+ 2 20.9	2.047	3.044	1.6	20.6
10 18	0 35.06	+ 1 34.4	2.088	3.058	5.2	20.9
10 28	0 29.23	+ 0 56.7	2.157	3.071	8.7	21.1
11 7	0 25.04	+ 0 31.0	2.250	3.085	11.6	21.3

436057 2009 RG_{34} 10 5.1 308°.71 0°.6/ 6.3 16

8 29	0 59.03	+10 16.2	4.242	5.040	7.7	21.5
9 8	0 55.96	+ 9 52.2	4.150	5.038	6.0	21.4
9 18	0 52.02	+ 9 21.0	4.083	5.036	4.0	21.2
9 28	0 47.49	+ 8 44.2	4.045	5.035	2.0	21.1
10 8	0 42.72	+ 8 3.9	4.036	5.033	0.7	21.0
10 18	0 38.07	+ 7 22.6	4.057	5.032	2.6	21.1
10 28	0 33.89	+ 6 42.9	4.109	5.030	4.7	21.3
11 7	0 30.51	+ 6 7.2	4.188	5.029	6.6	21.4

408517 2013 JK_{37} 10 5.1 129°.37 2°.4/ 8.6 18

8 29	1 5.09	+17 37.5	2.693	3.464	12.3	21.3
9 8	1 1.03	+17 3.1	2.611	3.474	9.9	21.1
9 18	0 55.52	+16 12.9	2.551	3.485	7.1	21.0
9 28	0 49.01	+15 8.6	2.518	3.495	4.3	20.8
10 8	0 42.12	+13 53.9	2.514	3.505	2.4	20.7
10 18	0 35.51	+12 33.6	2.540	3.514	4.0	20.8
10 28	0 29.81	+11 13.6	2.595	3.523	6.7	21.0
11 7	0 25.50	+ 9 59.4	2.678	3.532	9.4	21.2

396336 2014 DF_{62} 10 5.1 97°.28 0°.9/ 4.2 18

8 29	1 11.62	+ 3 30.7	1.983	2.814	13.9	21.0
9 8	1 6.36	+ 3 13.9	1.919	2.829	10.6	20.8
9 18	0 59.12	+ 2 48.5	1.878	2.844	6.8	20.6
9 28	0 50.55	+ 2 18.1	1.864	2.859	2.8	20.4
10 8	0 41.51	+ 1 47.2	1.878	2.874	1.8	20.4
10 18	0 32.92	+ 1 20.7	1.920	2.888	5.7	20.7
10 28	0 25.66	+ 1 2.7	1.990	2.903	9.4	20.9
11 7	0 20.32	+ 0 56.1	2.085	2.916	12.5	21.2

491862 2013 AW_{127} 10 5.1 311°.14 9°.1/11.8 16

8 29	1 9.77	+25 14.8	1.652	2.409	19.3	21.5
9 8	1 6.30	+26 26.2	1.551	2.386	16.8	21.2
9 18	0 59.97	+27 16.2	1.466	2.363	14.0	21.0
9 28	0 51.24	+27 39.2	1.402	2.341	11.1	20.8
10 8	0 41.11	+27 32.3	1.361	2.318	9.3	20.6
10 18	0 30.89	+26 56.6	1.344	2.297	9.6	20.6
10 28	0 22.09	+25 58.5	1.352	2.275	12.0	20.7
11 7	0 15.89	+24 48.7	1.381	2.255	15.2	20.8

307528 2003 BF_{15} 10 5.1 323°.25 6°.5/29.8 18

8 29	1 5.67	− 6 42.4	1.417	2.295	15.9	20.1
9 8	1 3.13	− 7 43.6	1.323	2.257	12.5	19.8
9 18	0 57.85	− 8 51.7	1.249	2.220	8.9	19.5
9 28	0 50.32	− 9 57.8	1.198	2.183	6.5	19.3
10 8	0 41.53	−10 51.4	1.171	2.147	7.8	19.3
10 18	0 32.76	−11 23.1	1.168	2.111	11.8	19.4
10 28	0 25.42	−11 26.3	1.187	2.077	16.2	19.5
11 7	0 20.61	−10 59.4	1.225	2.044	20.3	19.7

190562 2000 SP_{106} 10 5.1 348°.73 0°.2/ 4.9 18

8 29	1 5.96	+ 6 2.6	1.264	2.127	18.4	20.0
9 8	1 3.31	+ 5 51.9	1.193	2.119	14.3	19.7
9 18	0 57.84	+ 5 25.2	1.141	2.113	9.4	19.4
9 28	0 50.22	+ 4 46.3	1.110	2.107	4.0	19.1
10 8	0 41.63	+ 4 2.0	1.104	2.102	1.8	19.0
10 18	0 33.44	+ 3 20.3	1.122	2.099	7.4	19.3
10 28	0 27.00	+ 2 49.3	1.164	2.096	12.6	19.6
11 7	0 23.22	+ 2 34.6	1.226	2.095	17.1	19.9

842 Kerstin 10 5.1 10°.72 1°.0/ 5.9 18

8 29	1 10.71	+ 7 23.3	2.042	2.862	14.0	15.2
9 8	1 5.82	+ 7 44.1	1.963	2.864	10.9	15.0
9 18	0 58.90	+ 7 55.2	1.907	2.866	7.4	14.8
9 28	0 50.53	+ 7 57.9	1.876	2.868	3.5	14.6
10 8	0 41.53	+ 7 54.7	1.873	2.871	1.4	14.4
10 18	0 32.84	+ 7 49.0	1.899	2.874	5.0	14.7
10 28	0 25.36	+ 7 44.8	1.953	2.878	8.8	14.9
11 7	0 19.77	+ 7 45.7	2.031	2.882	12.1	15.2

120028 2003 AK_{58} 10 5.1 260°.97 3°.8/ 1.8 18

8 29	1 10.08	− 2 2.9	1.699	2.554	14.8	20.3
9 8	1 5.83	− 2 55.9	1.617	2.540	11.4	20.1
9 18	0 59.18	− 3 57.0	1.556	2.527	7.5	19.8
9 28	0 50.73	− 4 59.6	1.521	2.512	4.2	19.6
10 8	0 41.43	− 5 56.0	1.512	2.498	4.9	19.6
10 18	0 32.40	− 6 38.8	1.531	2.483	8.6	19.8
10 28	0 24.75	− 7 2.6	1.574	2.468	12.7	20.0
11 7	0 19.30	− 7 5.1	1.640	2.453	16.2	20.2

315905 2008 RC_2 10 5.1 348°.01 0°.6/ 3.9 18

8 29	0 58.92	+ 3 53.6	4.020	4.844	7.6	20.8
9 8	0 55.92	+ 3 19.4	3.935	4.842	5.7	20.7
9 18	0 52.03	+ 2 40.0	3.875	4.841	3.7	20.5
9 28	0 47.53	+ 1 57.5	3.844	4.840	1.5	20.3
10 8	0 42.78	+ 1 14.8	3.843	4.839	1.1	20.3
10 18	0 38.16	+ 0 34.4	3.872	4.837	3.3	20.5
10 28	0 34.04	− 0 1.1	3.931	4.836	5.4	20.6
11 7	0 30.74	− 0 29.5	4.016	4.835	7.3	20.8

326007 2010 WS_{25} 10 5.1 128°.90 3°.2/ 2.6 17

8 29	1 13.86	− 1 9.7	1.581	2.432	16.0	21.3
9 8	1 8.61	− 1 46.8	1.519	2.440	12.2	21.1
9 18	1 0.85	− 2 31.1	1.478	2.448	7.9	20.9
9 28	0 51.36	− 3 16.3	1.462	2.455	4.0	20.6
10 8	0 41.22	− 3 55.4	1.473	2.463	4.2	20.7
10 18	0 31.64	− 4 22.2	1.511	2.469	8.1	20.9
10 28	0 23.71	− 4 32.3	1.575	2.476	12.2	21.2
11 7	0 18.19	− 4 24.2	1.661	2.482	15.7	21.4

192451 1997 WQ_{42} 10 5.1 310°.22 0°.1/ 4.9 18

8 29	1 8.21	+ 6 9.1	1.443	2.294	17.2	19.6
9 8	1 4.93	+ 5 58.1	1.355	2.274	13.5	19.3
9 18	0 58.91	+ 5 32.0	1.286	2.255	9.0	19.0
9 28	0 50.73	+ 4 54.0	1.240	2.235	3.8	18.7
10 8	0 41.42	+ 4 9.8	1.219	2.217	1.7	18.5
10 18	0 32.28	+ 3 26.8	1.223	2.198	7.2	18.8
10 28	0 24.67	+ 2 52.9	1.253	2.181	12.3	19.0
11 7	0 19.59	+ 2 33.9	1.303	2.163	16.8	19.2

378089 2006 UY_{93} 10 5.1 315°.60 1°.4/ 4.0 18

8 29	1 5.64	+ 5 7.4	1.253	2.119	18.3	21.7
9 8	1 3.27	+ 4 30.7	1.170	2.099	14.2	21.4
9 18	0 57.98	+ 3 35.5	1.106	2.080	9.3	21.0
9 28	0 50.37	+ 2 27.0	1.064	2.061	3.9	20.7
10 8	0 41.57	+ 1 13.7	1.046	2.043	2.8	20.5
10 18	0 32.99	+ 0 6.4	1.053	2.025	8.5	20.8
10 28	0 26.09	− 0 44.9	1.082	2.008	14.0	21.1
11 7	0 21.95	− 1 13.6	1.131	1.992	18.8	21.3

49158 1998 SB_{55} 10 5.1 7°.80 0°.0/ 4.9 18

8 29	1 2.28	+ 7 28.8	0.991	1.872	20.9	17.8
9 8	1 0.94	+ 7 5.0	0.937	1.872	16.2	17.5
9 18	0 56.45	+ 6 19.4	0.899	1.875	10.7	17.2
9 28	0 49.65	+ 5 17.4	0.882	1.879	4.5	16.9
10 8	0 41.93	+ 4 8.9	0.887	1.885	1.9	16.7
10 18	0 34.83	+ 3 5.2	0.914	1.893	8.1	17.2
10 28	0 29.78	+ 2 17.0	0.963	1.902	13.7	17.5
11 7	0 27.67	+ 1 50.6	1.030	1.913	18.5	17.8

11581 Philipdejager 10 5.1 42°.58 2°.8/ 1.9 18

8 29	1 4.56	+ 0 47.1	1.921	2.774	13.4	18.2
9 8	1 1.12	− 0 22.5	1.856	2.780	10.1	18.0
9 18	0 55.81	− 1 41.1	1.815	2.787	6.5	17.8
9 28	0 49.21	− 3 2.4	1.800	2.794	3.3	17.6
10 8	0 42.12	− 4 18.9	1.812	2.800	3.8	17.7
10 18	0 35.39	− 5 23.8	1.853	2.808	7.2	17.9
10 28	0 29.85	− 6 11.8	1.919	2.815	10.6	18.1
11 7	0 26.07	− 6 40.2	2.008	2.822	13.6	18.4

248245 2005 FQ_5 10 5.1 194°.71 2°.1/ 2.5 18

8 29	1 7.01	+ 1 55.6	2.421	3.255	11.6	21.0
9 8	1 2.67	+ 0 50.2	2.339	3.252	8.8	20.8
9 18	0 56.70	− 0 24.0	2.281	3.249	5.7	20.6
9 28	0 49.58	− 1 42.2	2.252	3.246	2.6	20.4
10 8	0 41.97	− 2 58.4	2.252	3.242	2.9	20.4
10 18	0 34.59	− 4 6.9	2.282	3.237	6.0	20.6
10 28	0 28.18	− 5 2.5	2.340	3.232	9.1	20.8
11 7	0 23.28	− 5 42.3	2.422	3.226	11.9	21.0

336782 2011 CA_3 10 5.1 223°.34 1°.9/ 3.6 17

8 29	1 12.45	+ 1 54.2	1.769	2.609	15.0	21.1
9 8	1 7.51	+ 1 25.9	1.687	2.603	11.5	20.8
9 18	1 0.21	+ 0 47.9	1.627	2.595	7.5	20.6
9 28	0 51.15	+ 0 4.9	1.592	2.588	3.2	20.3
10 8	0 41.31	− 0 37.1	1.586	2.580	2.8	20.3
10 18	0 31.77	− 1 12.0	1.607	2.571	7.0	20.5
10 28	0 23.63	− 1 34.5	1.654	2.562	11.2	20.7
11 7	0 17.67	− 1 41.3	1.725	2.553	14.9	20.9

514001 2014 HB_{159} 10 5.1 160°.85 1°.7/ 3.5 18

8 29	1 12.68	+ 0 31.8	2.193	3.024	12.8	21.7
9 8	1 7.10	+ 0 16.3	2.118	3.029	9.8	21.5
9 18	0 59.62	− 0 5.0	2.066	3.033	6.3	21.3
9 28	0 50.81	− 0 28.7	2.042	3.036	2.8	21.1
10 8	0 41.48	− 0 50.3	2.046	3.040	2.5	21.0
10 18	0 32.49	− 1 6.1	2.080	3.043	5.9	21.3
10 28	0 24.69	− 1 12.5	2.142	3.045	9.3	21.5
11 7	0 18.69	− 1 7.5	2.229	3.047	12.3	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
245276 2005 BG_{18} 10 5.1 320°.37 4°.5/ 8.9 17						
	h m	° ′			°	m
8 29	1 8.27	+17 3.3	1.995	2.782	15.4	20.3
9 8	1 4.34	+17 38.9	1.895	2.765	12.7	20.0
9 18	0 58.21	+17 58.7	1.816	2.748	9.6	19.8
9 28	0 50.36	+18 1.4	1.761	2.732	6.4	19.6
10 8	0 41.61	+17 47.8	1.732	2.716	4.5	19.5
10 18	0 32.95	+17 21.0	1.730	2.700	5.9	19.5
10 28	0 25.42	+16 46.4	1.754	2.685	9.2	19.7
11 7	0 19.86	+16 10.6	1.803	2.671	12.5	19.9
330600 2008 DR_{17} 10 5.1 156°.55 2°.5/ 2.8 18						
8 29	1 9.28	+ 2 41.5	1.588	2.439	15.9	21.0
9 8	1 5.18	+ 1 38.0	1.520	2.442	12.1	20.8
9 18	0 58.69	+ 0 21.5	1.473	2.445	7.8	20.5
9 28	0 50.49	− 1 1.1	1.452	2.447	3.5	20.3
10 8	0 41.61	− 2 21.0	1.457	2.449	3.6	20.3
10 18	0 33.17	− 3 29.7	1.490	2.451	7.8	20.6
10 28	0 26.25	− 4 20.2	1.548	2.453	12.1	20.8
11 7	0 21.59	− 4 49.1	1.627	2.454	15.7	21.1
33843 2000 GP_{127} 10 5.1 83°.83 11°.9/23.2 17						
8 29	1 6.85	−10 6.4	1.044	1.939	18.9	18.2
9 8	1 4.25	−13 57.3	1.009	1.948	15.0	18.0
9 18	0 58.48	−17 49.1	0.997	1.957	12.3	17.9
9 28	0 50.46	−21 17.5	1.010	1.965	12.2	17.9
10 8	0 41.65	−24 1.9	1.045	1.974	14.7	18.1
10 18	0 33.62	−25 51.0	1.102	1.983	18.1	18.3
10 28	0 27.74	−26 43.6	1.176	1.992	21.4	18.6
11 7	0 24.82	−26 46.5	1.265	2.001	24.1	18.8
395082 2009 HR_{79} 10 5.1 133°.50 0°.5/ 4.6 18						
8 29	1 9.44	+ 4 55.2	1.965	2.798	14.0	21.5
9 8	1 4.90	+ 4 37.7	1.889	2.799	10.8	21.3
9 18	0 58.32	+ 4 10.0	1.835	2.801	7.0	21.1
9 28	0 50.31	+ 3 35.4	1.807	2.802	2.9	20.8
10 8	0 41.69	+ 2 58.5	1.806	2.804	1.6	20.7
10 18	0 33.41	+ 2 24.6	1.834	2.805	5.7	21.0
10 28	0 26.36	+ 1 58.6	1.889	2.806	9.5	21.3
11 7	0 21.21	+ 1 44.1	1.969	2.807	12.9	21.5
359594 2010 VF_{86} 10 5.1 301°.33 2°.0/ 1.3 18						
8 29	1 0.23	− 4 19.5	4.120	4.960	7.1	21.0
9 8	0 56.89	− 4 49.7	4.037	4.953	5.4	20.8
9 18	0 52.66	− 5 21.6	3.980	4.946	3.6	20.7
9 28	0 47.82	− 5 52.7	3.951	4.939	2.2	20.6
10 8	0 42.72	− 6 20.3	3.952	4.932	2.5	20.6
10 18	0 37.74	− 6 42.2	3.983	4.925	4.2	20.7
10 28	0 33.26	− 6 56.5	4.042	4.919	6.0	20.9
11 7	0 29.60	− 7 1.9	4.127	4.912	7.7	21.0
218331 2004 BJ_{42} 10 5.1 251°.52 4°.7/ 8.9 18						
8 29	1 10.47	+17 53.1	1.609	2.405	18.2	20.2
9 8	1 6.44	+18 7.1	1.523	2.399	15.0	19.9
9 18	0 59.76	+17 59.0	1.456	2.393	11.2	19.7
9 28	0 51.06	+17 27.7	1.411	2.386	7.2	19.5
10 8	0 41.37	+16 35.7	1.392	2.380	4.7	19.3
10 18	0 31.95	+15 29.1	1.399	2.373	6.5	19.4
10 28	0 24.07	+14 16.8	1.432	2.366	10.5	19.6
11 7	0 18.64	+13 8.6	1.488	2.360	14.5	19.8
356273 2009 WL_{152} 10 5.1 299°.27 1°.4/ 7.9 18						
8 29	1 0.18	+13 43.5	4.403	5.180	7.7	21.1
9 8	0 56.84	+13 38.5	4.305	5.175	6.2	21.0
9 18	0 52.63	+13 26.0	4.232	5.171	4.4	20.9
9 28	0 47.81	+13 6.7	4.186	5.166	2.6	20.8
10 8	0 42.73	+12 42.2	4.169	5.162	1.4	20.7
10 18	0 37.75	+12 14.5	4.183	5.157	2.6	20.7
10 28	0 33.24	+11 45.8	4.227	5.153	4.4	20.9
11 7	0 29.50	+11 18.7	4.299	5.148	6.2	21.0
2066 Palala 10 5.1 132°.68 2°.2/ 3.1 18 R						
8 29	1 11.10	+ 2 4.8	1.749	2.592	15.0	16.8
9 8	1 6.28	+ 1 15.1	1.684	2.602	11.4	16.6
9 18	0 59.26	+ 0 15.4	1.642	2.611	7.3	16.4
9 28	0 50.69	− 0 48.8	1.625	2.620	3.2	16.2
10 8	0 41.57	− 1 50.1	1.636	2.629	3.2	16.2
10 18	0 32.92	− 2 41.8	1.676	2.637	7.1	16.5
10 28	0 25.72	− 3 18.5	1.741	2.645	11.0	16.7
11 7	0 20.63	− 3 37.2	1.829	2.652	14.4	16.9
230249 2001 VK_{23} 10 5.1 330°.05 0°.7/ 4.6 18						
8 29	1 6.33	+ 4 42.5	1.233	2.100	18.5	20.4
9 8	1 3.85	+ 4 34.6	1.152	2.081	14.4	20.1
9 18	0 58.40	+ 4 11.7	1.090	2.063	9.5	19.8
9 28	0 50.58	+ 3 37.7	1.050	2.046	4.0	19.4
10 8	0 41.55	+ 2 59.3	1.033	2.030	2.2	19.3
10 18	0 32.76	+ 2 24.4	1.040	2.016	8.0	19.6
10 28	0 25.71	+ 2 1.3	1.070	2.002	13.5	19.8
11 7	0 21.46	+ 1 55.5	1.120	1.990	18.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
299221 2005 JJ_{79} 10 5.1 8°.10 1°.1/ 6.0 18						
	h m	° ′			°	m
8 29	1 6.85	+ 9 47.5	1.681	2.513	16.0	20.4
9 8	1 3.29	+ 9 32.2	1.606	2.513	12.5	20.2
9 18	0 57.46	+ 9 0.8	1.552	2.514	8.5	19.9
9 28	0 50.00	+ 8 16.0	1.523	2.515	4.0	19.7
10 8	0 41.84	+ 7 23.1	1.519	2.517	1.4	19.5
10 18	0 34.04	+ 6 28.6	1.543	2.519	5.7	19.8
10 28	0 27.63	+ 5 39.7	1.592	2.522	10.0	20.1
11 7	0 23.34	+ 5 2.4	1.665	2.525	13.8	20.3
272 Antonia 10 5.1 266°.36 1°.1/ 4.1 18 R						
8 29	1 8.87	+ 3 28.9	1.955	2.793	13.9	15.1
9 8	1 4.51	+ 3 5.7	1.876	2.790	10.6	14.9
9 18	0 58.11	+ 2 32.9	1.819	2.787	6.9	14.6
9 28	0 50.24	+ 1 54.4	1.788	2.784	2.8	14.4
10 8	0 41.74	+ 1 15.2	1.785	2.781	2.0	14.3
10 18	0 33.55	+ 0 40.6	1.810	2.778	6.0	14.6
10 28	0 26.57	+ 0 15.5	1.862	2.775	9.9	14.8
11 7	0 21.48	+ 0 3.4	1.938	2.772	13.2	15.0
489130 2006 DF_{85} 10 5.1 126°.40 1°.6/ 6.3 16						
8 29	1 13.88	+11 1.0	1.525	2.347	17.9	22.5
9 8	1 8.81	+10 47.5	1.459	2.359	14.0	22.3
9 18	1 1.11	+10 15.5	1.412	2.370	9.5	22.1
9 28	0 51.53	+ 9 27.6	1.389	2.380	4.6	21.8
10 8	0 41.23	+ 8 29.6	1.393	2.391	1.8	21.6
10 18	0 31.49	+ 7 28.8	1.424	2.400	6.2	21.9
10 28	0 23.49	+ 6 33.8	1.481	2.409	10.8	22.2
11 7	0 18.00	+ 5 51.0	1.562	2.418	14.8	22.5
334891 2003 VR_{1} 10 5.1 36°.47 4°.2/ 8.9 18						
8 29	1 5.90	+18 37.8	1.244	2.065	21.1	19.5
9 8	1 3.00	+18 15.8	1.198	2.090	17.0	19.3
9 18	0 57.37	+17 24.3	1.170	2.117	12.3	19.1
9 28	0 49.92	+16 5.9	1.163	2.144	7.4	18.9
10 8	0 41.93	+14 28.8	1.180	2.172	4.2	18.8
10 18	0 34.71	+12 44.1	1.222	2.201	6.4	19.0
10 28	0 29.39	+11 4.3	1.288	2.230	10.7	19.4
11 7	0 26.62	+ 9 39.3	1.378	2.260	14.7	19.7
21693 1999 RT_{44} 10 5.1 356°.46 9°.1/10.3 18						
8 29	1 11.11	+19 59.3	1.241	2.049	21.9	17.0
9 8	1 7.82	+21 45.5	1.169	2.043	18.7	16.7
9 18	1 1.17	+23 10.9	1.113	2.038	14.9	16.5
9 28	0 51.82	+24 8.9	1.077	2.035	11.4	16.3
10 8	0 41.04	+24 36.1	1.063	2.034	9.2	16.2
10 18	0 30.53	+24 33.7	1.072	2.034	10.1	16.2
10 28	0 22.00	+24 9.2	1.103	2.035	13.1	16.4
11 7	0 16.68	+23 33.8	1.154	2.038	16.8	16.7
239682 2008 YY_{63} 10 5.1 340°.34 3°.2/ 2.0 18						
8 29	1 6.75	− 0 4.9	1.726	2.582	14.5	20.4
9 8	1 3.09	− 1 5.8	1.655	2.581	11.0	20.1
9 18	0 57.27	− 2 16.1	1.608	2.580	7.2	19.9
9 28	0 49.90	− 3 29.2	1.585	2.578	3.7	19.7
10 8	0 41.90	− 4 37.0	1.589	2.577	4.2	19.7
10 18	0 34.26	− 5 32.4	1.621	2.576	7.9	20.0
10 28	0 27.95	− 6 9.7	1.677	2.576	11.7	20.2
11 7	0 23.67	− 6 26.3	1.756	2.575	15.1	20.4
485849 2012 EQ_{6} 10 5.1 231°.94 0°.1/ 4.9 17						
8 29	1 6.61	+ 6 23.1	2.507	3.327	11.7	22.5
9 8	1 2.38	+ 5 58.4	2.417	3.320	9.0	22.3
9 18	0 56.54	+ 5 24.0	2.350	3.313	5.9	22.1
9 28	0 49.55	+ 4 42.6	2.310	3.305	2.5	21.9
10 8	0 42.04	+ 3 58.0	2.299	3.297	1.1	21.8
10 18	0 34.72	+ 3 14.7	2.318	3.289	4.7	22.0
10 28	0 28.30	+ 2 37.2	2.365	3.281	8.0	22.2
11 7	0 23.34	+ 2 9.1	2.438	3.272	10.9	22.4
464817 2004 SK_{29} 10 5.1 18°.85 2°.9/ 6.4 18						
8 29	1 11.91	+ 7 7.6	0.794	1.677	24.5	19.6
9 8	1 8.94	+ 8 19.0	0.752	1.686	19.3	19.3
9 18	1 1.96	+ 9 12.6	0.725	1.697	13.2	19.0
9 28	0 52.05	+ 9 47.7	0.716	1.710	6.7	18.7
10 8	0 41.09	+10 6.9	0.728	1.725	3.1	18.6
10 18	0 31.16	+10 15.7	0.761	1.742	8.5	19.0
10 28	0 24.07	+10 22.2	0.814	1.761	14.3	19.4
11 7	0 20.78	+10 34.0	0.885	1.782	19.3	19.8
285425 1999 VY_{102} 10 5.1 310°.73 2°.9/ 8.3 18						
8 29	1 4.26	+16 27.5	2.082	2.877	14.6	20.5
9 8	1 1.04	+16 9.3	1.988	2.867	11.9	20.3
9 18	0 55.90	+15 32.3	1.915	2.856	8.6	20.1
9 28	0 49.35	+14 37.5	1.866	2.846	5.1	19.9
10 8	0 42.14	+13 28.6	1.844	2.837	2.9	19.7
10 18	0 35.13	+12 11.3	1.851	2.827	4.9	19.8
10 28	0 29.20	+10 53.1	1.884	2.818	8.5	20.0
11 7	0 25.01	+ 9 41.3	1.944	2.809	11.9	20.2

411785 2012 CJ_{13} 10 5.1 167°.58 0°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.07	+ 6 14.8	2.883	3.696	10.5	22.5
9 8	1 2.45	+ 5 53.2	2.801	3.700	8.1	22.3
9 18	0 56.44	+ 5 23.5	2.742	3.703	5.3	22.2
9 28	0 49.47	+ 4 48.1	2.712	3.706	2.2	22.0
10 8	0 42.12	+ 4 10.4	2.711	3.709	1.0	21.9
10 18	0 34.98	+ 3 33.8	2.741	3.711	4.1	22.1
10 28	0 28.66	+ 3 2.0	2.800	3.713	7.0	22.3
11 7	0 23.64	+ 2 38.1	2.886	3.715	9.5	22.5

512028 2015 MS_{47} 10 5.1 108°.65 5°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.79	− 7 34.1	1.975	2.831	13.0	21.3
9 8	1 4.27	− 8 40.2	1.918	2.840	10.0	21.1
9 18	0 57.83	− 9 47.7	1.885	2.849	7.0	21.0
9 28	0 50.09	−10 49.4	1.878	2.857	5.2	20.9
10 8	0 41.88	−11 38.7	1.898	2.866	6.1	21.0
10 18	0 34.11	−12 10.4	1.946	2.874	8.8	21.1
10 28	0 27.60	−12 21.9	2.018	2.882	11.7	21.3
11 7	0 22.95	−12 12.9	2.113	2.890	14.3	21.5

440376 2005 CN_{18} 10 5.1 235°.97 6°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.97	− 9 34.7	1.919	2.781	13.1	20.9
9 8	1 3.12	−11 12.6	1.852	2.775	10.2	20.7
9 18	0 57.23	−12 52.4	1.809	2.769	7.6	20.5
9 28	0 49.89	−14 25.3	1.792	2.762	6.5	20.5
10 8	0 41.95	−15 42.6	1.803	2.756	7.7	20.5
10 18	0 34.31	−16 37.6	1.840	2.749	10.4	20.7
10 28	0 27.90	−17 6.7	1.900	2.742	13.3	20.9
11 7	0 23.38	−17 9.7	1.981	2.735	15.9	21.0

177508 2004 EZ_{58} 10 5.1 197°.95 5°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.11	+22 22.8	2.163	2.913	15.5	20.4
9 8	1 5.53	+22 51.6	2.074	2.912	13.0	20.3
9 18	0 58.86	+23 1.5	2.004	2.911	10.3	20.1
9 28	0 50.62	+22 50.9	1.958	2.910	7.5	19.9
10 8	0 41.65	+22 20.6	1.938	2.909	5.7	19.8
10 18	0 32.90	+21 34.1	1.945	2.907	6.3	19.8
10 28	0 25.33	+20 37.4	1.980	2.905	8.6	20.0
11 7	0 19.68	+19 37.9	2.040	2.904	11.5	20.2

143297 2003 AU_{37} 10 5.1 254°.86 0°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.38	+ 9 6.3	1.740	2.567	15.8	20.5
9 8	1 5.34	+ 8 40.6	1.649	2.554	12.4	20.3
9 18	0 58.92	+ 7 58.3	1.580	2.542	8.3	20.0
9 28	0 50.70	+ 7 2.2	1.535	2.529	3.7	19.7
10 8	0 41.61	+ 5 57.9	1.517	2.515	1.3	19.5
10 18	0 32.72	+ 4 52.6	1.527	2.501	6.1	19.8
10 28	0 25.17	+ 3 54.0	1.563	2.487	10.6	20.0
11 7	0 19.79	+ 3 8.7	1.623	2.473	14.6	20.2

285850 2001 FU_{158} 10 5.1 109°.97 0°.5/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.67	+ 7 50.3	2.113	2.936	13.5	20.9
9 8	1 3.28	+ 6 45.3	2.049	2.954	10.3	20.8
9 18	0 57.12	+ 5 27.0	2.008	2.972	6.6	20.6
9 28	0 49.79	+ 4 0.2	1.994	2.990	2.7	20.4
10 8	0 42.06	+ 2 31.8	2.010	3.007	1.5	20.3
10 18	0 34.74	+ 1 8.4	2.055	3.023	5.4	20.6
10 28	0 28.60	− 0 3.5	2.128	3.039	8.9	20.9
11 7	0 24.16	− 0 59.6	2.226	3.055	12.0	21.1

495341 2014 NJ_{24} 10 5.1 76°.37 3°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.04	− 2 0.6	2.112	2.965	12.4	20.7
9 8	1 1.32	− 3 17.3	2.052	2.975	9.3	20.5
9 18	0 55.88	− 4 40.0	2.016	2.986	6.1	20.4
9 28	0 49.28	− 6 2.2	2.007	2.997	3.7	20.2
10 8	0 42.27	− 7 16.9	2.027	3.008	4.5	20.3
10 18	0 35.61	− 8 18.2	2.075	3.018	7.3	20.5
10 28	0 30.05	− 9 1.7	2.149	3.029	10.4	20.7
11 7	0 26.13	− 9 25.6	2.246	3.040	13.0	20.9

448072 2008 GW_{87} 10 5.1 112°.36 2°.5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.12	+ 0 51.4	2.173	3.019	12.4	20.3
9 8	1 1.39	− 0 16.7	2.104	3.024	9.3	20.1
9 18	0 55.94	− 1 33.1	2.058	3.028	6.0	19.9
9 28	0 49.32	− 2 52.1	2.039	3.033	3.0	19.8
10 8	0 42.25	− 4 7.3	2.049	3.037	3.4	19.8
10 18	0 35.47	− 5 12.4	2.088	3.041	6.6	20.0
10 28	0 29.75	− 6 2.5	2.153	3.046	9.8	20.2
11 7	0 25.64	− 6 35.0	2.242	3.050	12.6	20.4

184853 2005 UM_{56} 10 5.1 80°.65 2°.7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.50	+16 51.8	2.124	2.914	14.5	20.0
9 8	1 1.79	+16 21.8	2.047	2.923	11.7	19.8
9 18	0 56.26	+15 32.9	1.992	2.932	8.4	19.6
9 28	0 49.47	+14 27.2	1.961	2.942	4.9	19.4
10 8	0 42.19	+13 9.0	1.958	2.951	2.7	19.3
10 18	0 35.24	+11 44.7	1.984	2.960	4.7	19.4
10 28	0 29.43	+10 21.7	2.038	2.969	8.0	19.7
11 7	0 25.34	+ 9 6.7	2.117	2.979	11.2	19.9

9537 Nolan 10 5.1 232°.65 1°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.97	+11 42.7	2.195	2.998	13.7	18.4
9 8	1 4.52	+11 31.6	2.100	2.989	10.9	18.2
9 18	0 58.13	+11 6.4	2.028	2.980	7.5	17.9
9 28	0 50.31	+10 28.5	1.981	2.970	3.9	17.7
10 8	0 41.82	+ 9 41.5	1.963	2.960	1.7	17.5
10 18	0 33.51	+ 8 50.1	1.974	2.949	4.8	17.7
10 28	0 26.27	+ 8 0.3	2.012	2.938	8.5	17.9
11 7	0 20.78	+ 7 17.6	2.076	2.927	11.8	18.1

11805 Novaković 10 5.1 14°.79 0°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.49	+11 16.5	1.850	2.676	15.0	18.5
9 8	1 0.51	+10 33.0	1.775	2.679	11.7	18.3
9 18	0 55.56	+ 9 31.9	1.722	2.682	7.9	18.1
9 28	0 49.21	+ 8 16.8	1.693	2.686	3.7	17.8
10 8	0 42.30	+ 6 53.8	1.692	2.690	1.2	17.7
10 18	0 35.71	+ 5 30.7	1.718	2.694	5.3	18.0
10 28	0 30.34	+ 4 15.1	1.771	2.699	9.3	18.2
11 7	0 26.81	+ 3 13.4	1.849	2.704	12.8	18.5

395647 2011 WT_{37} 10 5.1 109°.02 2°.8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.30	− 1 18.9	2.015	2.861	13.2	21.1
9 8	1 4.68	− 1 55.8	1.947	2.866	10.0	20.9
9 18	0 58.14	− 2 38.4	1.902	2.872	6.5	20.7
9 28	0 50.27	− 3 21.8	1.884	2.877	3.3	20.5
10 8	0 41.89	− 4 0.3	1.894	2.882	3.6	20.5
10 18	0 33.88	− 4 28.9	1.932	2.888	6.8	20.7
10 28	0 27.10	− 4 44.0	1.996	2.893	10.2	21.0
11 7	0 22.14	− 4 43.6	2.084	2.898	13.2	21.2

522883 2016 OT_{7} 10 5.1 66°.35 1°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.99	+11 21.5	1.752	2.573	15.9	21.1
9 8	1 4.05	+11 0.9	1.680	2.580	12.5	20.9
9 18	0 57.91	+10 23.2	1.629	2.587	8.5	20.7
9 28	0 50.22	+ 9 31.1	1.603	2.594	4.2	20.5
10 8	0 41.90	+ 8 29.9	1.603	2.600	1.6	20.3
10 18	0 33.98	+ 7 26.3	1.631	2.607	5.5	20.6
10 28	0 27.44	+ 6 27.9	1.685	2.614	9.6	20.9
11 7	0 22.97	+ 5 40.6	1.764	2.621	13.3	21.1

270932 2002 UQ_{56} 10 5.1 306°.81 5°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.63	− 3 51.7	1.349	2.222	16.8	20.3
9 8	1 5.39	− 4 48.1	1.270	2.203	13.0	20.0
9 18	0 59.30	− 5 52.8	1.211	2.184	8.9	19.7
9 28	0 50.98	− 6 57.5	1.175	2.165	5.6	19.5
10 8	0 41.55	− 7 52.0	1.163	2.146	6.5	19.5
10 18	0 32.39	− 8 27.4	1.176	2.128	10.7	19.7
10 28	0 24.88	− 8 37.5	1.211	2.110	15.2	19.9
11 7	0 20.02	− 8 20.7	1.266	2.093	19.3	20.1

14938 1995 DN 10 5.1 71°.75 2°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.42	+ 2 49.4	1.828	2.676	14.2	16.8
9 8	1 2.61	+ 1 41.2	1.769	2.690	10.8	16.6
9 18	0 56.82	+ 0 22.4	1.733	2.704	6.8	16.4
9 28	0 49.71	− 1 0.8	1.723	2.718	3.1	16.2
10 8	0 42.13	− 2 20.5	1.741	2.733	3.2	16.2
10 18	0 35.01	− 3 29.6	1.787	2.747	6.9	16.5
10 28	0 29.17	− 4 22.4	1.859	2.761	10.5	16.7
11 7	0 25.22	− 4 55.8	1.954	2.775	13.7	17.0

321568 2009 SN_{358} 10 5.1 180°.91 2°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.65	+16 51.2	2.428	3.208	13.2	20.7
9 8	1 1.77	+16 40.2	2.339	3.208	10.7	20.6
9 18	0 56.21	+16 13.2	2.273	3.208	7.8	20.4
9 28	0 49.47	+15 31.2	2.231	3.208	4.8	20.2
10 8	0 42.21	+14 37.3	2.218	3.208	2.9	20.1
10 18	0 35.18	+13 35.8	2.233	3.208	4.4	20.2
10 28	0 29.12	+12 32.6	2.277	3.208	7.4	20.4
11 7	0 24.59	+11 33.4	2.348	3.208	10.3	20.5

517476 2014 QQ_{27} 10 5.1 78°.08 2°.3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.36	+13 38.7	2.329	3.122	13.3	21.4
9 8	1 3.78	+13 42.1	2.256	3.135	10.6	21.2
9 18	0 57.48	+13 32.0	2.205	3.149	7.5	21.0
9 28	0 49.99	+13 9.5	2.179	3.162	4.3	20.9
10 8	0 42.03	+12 37.3	2.182	3.175	2.3	20.8
10 18	0 34.40	+11 59.6	2.213	3.188	4.4	20.9
10 28	0 27.83	+11 21.1	2.273	3.201	7.5	21.2
11 7	0 22.91	+10 46.8	2.359	3.214	10.4	21.4

481575 2007 TS_{74} 10 5.1 40°.30 0°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.78	+ 4 27.8	1.581	2.424	16.3	20.7
9 8	1 7.09	+ 4 27.9	1.517	2.433	12.6	20.5
9 18	0 59.96	+ 4 17.2	1.474	2.442	8.2	20.3
9 28	0 51.10	+ 3 59.1	1.456	2.451	3.4	20.0
10 8	0 41.59	+ 3 38.4	1.463	2.461	1.6	19.9
10 18	0 32.59	+ 3 20.3	1.498	2.471	6.4	20.2
10 28	0 25.18	+ 3 9.9	1.559	2.482	10.7	20.5
11 7	0 20.11	+ 3 10.7	1.643	2.493	14.4	20.8

293747 2007 RF_{52} 10 5.1 12°.64 1°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.89	+13 18.4	1.664	2.487	16.5	20.9
9 8	1 1.85	+12 34.2	1.588	2.488	13.1	20.6
9 18	0 56.58	+11 28.5	1.532	2.489	9.0	20.4
9 28	0 49.70	+10 4.6	1.500	2.491	4.5	20.2
10 8	0 42.15	+ 8 29.3	1.495	2.492	1.6	20.0
10 18	0 34.96	+ 6 51.6	1.517	2.494	5.7	20.2
10 28	0 29.15	+ 5 21.2	1.566	2.497	10.0	20.5
11 7	0 25.42	+ 4 5.9	1.638	2.499	13.9	20.8

397840 2008 SP_{258} 10 5.1 321°.58 6°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.37	− 9 51.4	1.583	2.440	15.6	20.1
9 8	1 9.98	−10 16.2	1.513	2.433	12.3	19.9
9 18	1 1.94	−10 39.1	1.465	2.427	8.8	19.6
9 28	0 51.98	−10 52.9	1.441	2.422	6.3	19.5
10 8	0 41.24	−10 51.2	1.443	2.416	7.0	19.5
10 18	0 30.98	−10 29.9	1.472	2.411	10.1	19.7
10 28	0 22.41	− 9 47.6	1.525	2.406	13.8	19.9
11 7	0 16.33	− 8 46.0	1.599	2.402	17.1	20.1

69022 2002 VS_{62} 10 5.1 88°.62 0°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.25	+ 7 31.4	1.558	2.391	17.0	19.5
9 8	1 8.13	+ 7 10.4	1.502	2.410	13.1	19.3
9 18	1 0.56	+ 6 34.7	1.465	2.430	8.6	19.0
9 28	0 51.32	+ 5 48.2	1.454	2.449	3.7	18.8
10 8	0 41.54	+ 4 57.2	1.469	2.467	1.4	18.7
10 18	0 32.38	+ 4 8.6	1.512	2.486	6.2	19.1
10 28	0 24.92	+ 3 29.1	1.581	2.504	10.6	19.4
11 7	0 19.85	+ 3 3.2	1.673	2.522	14.3	19.6

493894 2015 XY_{215} 10 5.1 268°.60 1°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.87	+ 1 11.0	2.413	3.251	11.5	22.0
9 8	1 1.89	+ 0 34.9	2.328	3.243	8.8	21.8
9 18	0 56.28	− 0 8.2	2.267	3.235	5.7	21.6
9 28	0 49.51	− 0 54.5	2.232	3.227	2.6	21.4
10 8	0 42.23	− 1 39.3	2.227	3.219	2.5	21.4
10 18	0 35.16	− 2 18.0	2.251	3.211	5.6	21.5
10 28	0 29.01	− 2 46.4	2.302	3.203	8.8	21.7
11 7	0 24.35	− 3 1.9	2.377	3.195	11.7	21.9

452029 2014 OC_{152} 10 5.1 50°.13 3°.8/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.54	+16 23.6	2.015	2.803	15.3	21.1
9 8	1 5.03	+16 45.3	1.941	2.813	12.4	20.9
9 18	0 58.48	+16 50.4	1.888	2.823	9.1	20.7
9 28	0 50.47	+16 39.0	1.859	2.833	5.8	20.6
10 8	0 41.86	+16 13.2	1.857	2.844	3.8	20.5
10 18	0 33.59	+15 37.2	1.882	2.855	5.3	20.6
10 28	0 26.58	+14 56.8	1.935	2.866	8.5	20.8
11 7	0 21.50	+14 18.1	2.013	2.877	11.6	21.0

132582 2002 JZ_{117} 10 5.1 72°.37 8°.6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.95	−15 16.8	1.666	2.528	14.7	19.2
9 8	1 6.22	−16 40.5	1.626	2.542	11.9	19.1
9 18	0 59.22	−17 57.9	1.609	2.556	9.5	19.0
9 28	0 50.73	−18 59.3	1.616	2.570	8.6	19.0
10 8	0 41.80	−19 37.2	1.648	2.585	9.6	19.1
10 18	0 33.50	−19 47.6	1.704	2.599	12.0	19.3
10 28	0 26.80	−19 30.0	1.784	2.613	14.5	19.5
11 7	0 22.32	−18 47.3	1.882	2.628	16.9	19.7

103154 1999 XZ_{221} 10 5.1 291°.86 6°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.33	− 9 52.2	1.738	2.593	14.5	19.6
9 8	1 8.33	−10 28.8	1.657	2.577	11.4	19.4
9 18	1 0.87	−11 4.7	1.599	2.561	8.3	19.1
9 28	0 51.56	−11 32.8	1.566	2.545	6.2	19.0
10 8	0 41.40	−11 46.2	1.559	2.529	7.0	19.0
10 18	0 31.56	−11 40.0	1.579	2.513	10.0	19.1
10 28	0 23.16	−11 11.8	1.624	2.497	13.5	19.3
11 7	0 17.04	−10 22.6	1.689	2.482	16.7	19.5

472177 2014 DJ_{85} 10 5.1 303°.29 1°.3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.13	+ 9 23.7	1.571	2.405	16.9	21.0
9 8	1 5.47	+ 9 23.1	1.483	2.390	13.4	20.7
9 18	0 59.21	+ 9 6.5	1.414	2.375	9.1	20.4
9 28	0 50.94	+ 8 35.6	1.369	2.361	4.4	20.1
10 8	0 41.66	+ 7 54.7	1.349	2.347	1.6	19.9
10 18	0 32.57	+ 7 10.1	1.356	2.333	6.3	20.2
10 28	0 24.93	+ 6 29.3	1.388	2.319	11.1	20.4
11 7	0 19.67	+ 5 59.2	1.443	2.306	15.3	20.7

26306 1998 SX_{147} 10 5.1 62°.19 1°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.37	+ 3 56.7	1.336	2.192	18.0	18.5
9 8	1 6.96	+ 3 14.3	1.289	2.212	13.7	18.3
9 18	0 59.90	+ 2 18.6	1.261	2.233	8.8	18.0
9 28	0 51.06	+ 1 16.2	1.257	2.254	3.6	17.8
10 8	0 41.69	+ 0 15.5	1.279	2.275	2.8	17.8
10 18	0 33.07	− 0 35.2	1.327	2.296	7.6	18.2
10 28	0 26.31	− 1 9.6	1.399	2.317	12.1	18.5
11 7	0 22.10	− 1 24.7	1.493	2.338	15.9	18.8

133228 2003 QK_{96} 10 5.1 12°.86 0°.7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.33	+ 6 9.2	1.040	1.915	20.6	18.6
9 8	1 3.91	+ 6 29.1	0.990	1.921	16.0	18.4
9 18	0 58.35	+ 6 32.8	0.957	1.930	10.6	18.1
9 28	0 50.54	+ 6 23.6	0.945	1.941	4.7	17.8
10 8	0 41.89	+ 6 7.1	0.956	1.954	1.6	17.7
10 18	0 33.94	+ 5 50.3	0.989	1.969	7.4	18.1
10 28	0 28.10	+ 5 40.6	1.044	1.985	12.7	18.4
11 7	0 25.20	+ 5 43.1	1.120	2.003	17.2	18.8

271251 2003 UE_{92} 10 5.1 13°.85 3°.3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.78	− 1 40.9	1.919	2.777	13.3	20.5
9 8	1 1.37	− 2 33.6	1.854	2.779	10.0	20.3
9 18	0 56.06	− 3 32.5	1.811	2.783	6.6	20.1
9 28	0 49.44	− 4 31.9	1.795	2.787	3.6	19.9
10 8	0 42.32	− 5 25.1	1.805	2.791	4.2	20.0
10 18	0 35.54	− 6 6.4	1.843	2.796	7.4	20.2
10 28	0 29.94	− 6 31.4	1.906	2.801	10.7	20.4
11 7	0 26.12	− 6 38.4	1.992	2.807	13.7	20.6

157278 2004 RC_{233} 10 5.1 61°.56 0°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.82	+ 6 24.8	1.497	2.340	17.1	20.4
9 8	1 6.38	+ 6 1.4	1.442	2.357	13.1	20.2
9 18	0 59.48	+ 5 23.8	1.406	2.374	8.5	20.0
9 28	0 50.90	+ 4 36.5	1.395	2.391	3.5	19.8
10 8	0 41.75	+ 3 46.1	1.410	2.408	1.6	19.7
10 18	0 33.21	+ 2 59.6	1.452	2.426	6.5	20.0
10 28	0 26.35	+ 2 23.6	1.520	2.443	10.9	20.3
11 7	0 21.86	+ 2 2.4	1.610	2.461	14.7	20.6

378009 2006 SG_{46} 10 5.1 15°.24 0°.0/ 5.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 56.45	+ 9 33.3	0.753	1.654	23.6	19.3
9 8	0 56.99	+ 8 51.2	0.717	1.663	18.2	19.0
9 18	0 54.10	+ 7 39.4	0.696	1.675	12.0	18.8
9 28	0 48.77	+ 6 6.6	0.693	1.690	5.1	18.5
10 8	0 42.62	+ 4 27.6	0.709	1.707	2.0	18.3
10 18	0 37.28	+ 2 58.0	0.746	1.727	8.6	18.8
10 28	0 34.19	+ 1 50.9	0.802	1.749	14.5	19.3
11 7	0 34.10	+ 1 12.8	0.876	1.773	19.4	19.6

242272 2003 UE_{38} 10 5.1 289°.42 2°.3/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.44	+ 1 2.4	1.785	2.634	14.5	20.5
9 8	1 4.43	+ 0 23.7	1.706	2.627	11.1	20.2
9 18	0 58.23	− 0 24.2	1.650	2.620	7.2	20.0
9 28	0 50.43	− 1 16.3	1.619	2.614	3.3	19.8
10 8	0 41.91	− 2 5.9	1.615	2.607	3.3	19.7
10 18	0 33.70	− 2 46.8	1.638	2.600	7.2	20.0
10 28	0 26.78	− 3 13.5	1.687	2.594	11.2	20.2
11 7	0 21.90	− 3 23.0	1.759	2.587	14.7	20.4

157036 2003 SG_{23} 10 5.1 43°.65 2°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.73	+13 36.3	1.988	2.794	14.8	19.5
9 8	1 2.83	+13 30.8	1.919	2.807	11.8	19.3
9 18	0 57.00	+13 9.2	1.872	2.820	8.3	19.1
9 28	0 49.84	+12 33.3	1.849	2.834	4.6	18.9
10 8	0 42.17	+11 47.0	1.853	2.848	2.3	18.8
10 18	0 34.88	+10 55.4	1.886	2.862	4.9	19.0
10 28	0 28.81	+10 4.9	1.945	2.877	8.4	19.2
11 7	0 24.56	+ 9 21.1	2.030	2.892	11.6	19.5

40801 1999 TN_{38} 10 5.1 293°.42 0°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.99	+ 7 17.1	2.161	2.986	13.2	19.5
9 8	1 2.95	+ 6 58.1	2.077	2.982	10.2	19.3
9 18	0 57.09	+ 6 27.8	2.016	2.978	6.7	19.1
9 28	0 49.90	+ 5 48.8	1.980	2.975	2.9	18.9
10 8	0 42.13	+ 5 5.5	1.973	2.971	1.1	18.7
10 18	0 34.61	+ 4 22.7	1.994	2.967	5.0	19.0
10 28	0 28.14	+ 3 45.6	2.043	2.964	8.7	19.2
11 7	0 23.37	+ 3 18.5	2.116	2.960	11.9	19.4

39795 1997 SF_{28} 10 5.1 316°.47 0°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.92	+10 12.4	4.048	4.843	8.1	19.5
9 8	0 57.51	+10 4.5	3.952	4.837	6.3	19.4
9 18	0 53.15	+ 9 49.7	3.881	4.832	4.3	19.2
9 28	0 48.14	+ 9 29.1	3.837	4.826	2.2	19.1
10 8	0 42.85	+ 9 4.6	3.823	4.820	0.9	19.0
10 18	0 37.65	+ 8 38.3	3.840	4.814	2.8	19.1
10 28	0 32.96	+ 8 12.7	3.886	4.809	4.9	19.3
11 7	0 29.12	+ 7 50.3	3.959	4.803	6.8	19.4

132636 2002 LC_{33} 10 5.1 180°.90 2°.7/ 2.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.13	+ 1 21.7	2.016	2.861	13.2	19.7
9 8	1 3.12	+ 0 6.0	1.942	2.862	10.0	19.5
9 18	0 57.20	− 1 19.8	1.892	2.862	6.4	19.3
9 28	0 49.94	− 2 49.5	1.869	2.862	3.2	19.1
10 8	0 42.13	− 4 15.6	1.874	2.862	3.7	19.1
10 18	0 34.63	− 5 30.6	1.908	2.861	7.1	19.3
10 28	0 28.29	− 6 28.9	1.968	2.860	10.6	19.5
11 7	0 23.72	− 7 7.3	2.052	2.859	13.7	19.7

45414 2000 AE_{149} 10 5.1 353°.58 0°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.77	+11 28.6	1.186	2.043	19.8	18.2
9 8	1 1.05	+10 38.9	1.118	2.039	15.5	17.9
9 18	0 56.49	+ 9 22.2	1.067	2.035	10.5	17.6
9 28	0 49.80	+ 7 43.2	1.038	2.033	4.7	17.3
10 8	0 42.17	+ 5 52.1	1.033	2.031	1.5	17.1
10 18	0 34.99	+ 4 2.0	1.052	2.030	7.4	17.5
10 28	0 29.59	+ 2 26.2	1.094	2.030	12.8	17.8
11 7	0 26.85	+ 1 13.9	1.157	2.031	17.5	18.1

197563 2004 FH_{148} 10 5.1 135°.17 1°.8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.98	+18 24.6	4.801	5.551	7.5	20.4
9 8	0 55.89	+17 53.9	4.707	5.555	6.1	20.3
9 18	0 52.02	+17 14.0	4.637	5.560	4.5	20.1
9 28	0 47.64	+16 26.0	4.594	5.564	2.9	20.0
10 8	0 43.06	+15 31.7	4.582	5.568	1.8	20.0
10 18	0 38.59	+14 33.4	4.600	5.572	2.5	20.0
10 28	0 34.58	+13 33.9	4.649	5.576	4.0	20.1
11 7	0 31.28	+12 36.1	4.727	5.580	5.6	20.3

517921 2015 TS_{167} 10 5.1 320°.70 0°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.68	+ 7 46.5	1.960	2.795	13.9	20.9
9 8	1 0.63	+ 6 52.5	1.876	2.787	10.8	20.7
9 18	0 55.67	+ 5 43.3	1.813	2.780	7.0	20.4
9 28	0 49.33	+ 4 23.1	1.777	2.773	2.9	20.2
10 8	0 42.37	+ 2 58.6	1.768	2.766	1.5	20.0
10 18	0 35.65	+ 1 37.0	1.788	2.759	5.7	20.3
10 28	0 30.05	+ 0 25.8	1.834	2.752	9.7	20.6
11 7	0 26.19	− 0 29.7	1.905	2.746	13.1	20.8

114166 2002 VW_{72} 10 5.1 5°.34 3°.1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.10	+ 0 48.7	1.527	2.392	15.7	18.9
9 8	1 2.11	− 0 8.4	1.462	2.392	11.9	18.6
9 18	0 56.80	− 1 16.2	1.419	2.393	7.7	18.4
9 28	0 49.82	− 2 27.7	1.399	2.394	3.8	18.2
10 8	0 42.18	− 3 34.6	1.406	2.396	4.1	18.2
10 18	0 34.96	− 4 28.8	1.438	2.399	8.2	18.5
10 28	0 29.20	− 5 4.1	1.495	2.402	12.3	18.7
11 7	0 25.60	− 5 17.9	1.573	2.406	15.8	19.0

713 Luscinia 10 5.1 11°.81 2°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.62	+14 54.3	2.069	2.875	14.3	13.7
9 8	0 59.70	+14 25.1	1.990	2.878	11.4	13.5
9 18	0 54.99	+13 37.9	1.933	2.881	8.1	13.3
9 28	0 49.01	+12 35.0	1.900	2.885	4.5	13.1
10 8	0 42.51	+11 21.1	1.894	2.889	2.2	12.9
10 18	0 36.30	+10 2.5	1.917	2.894	4.7	13.1
10 28	0 31.17	+ 8 46.2	1.967	2.900	8.2	13.3
11 7	0 27.71	+ 7 38.8	2.042	2.906	11.4	13.5

436496 2011 ET_{70} 10 5.1 253°.08 1°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.40	+11 32.5	1.702	2.520	16.4	21.5
9 8	1 6.25	+11 22.2	1.612	2.509	13.1	21.3
9 18	0 59.62	+10 54.1	1.541	2.497	9.1	21.0
9 28	0 51.10	+10 9.8	1.495	2.485	4.6	20.8
10 8	0 41.65	+ 9 13.8	1.476	2.473	1.9	20.5
10 18	0 32.41	+ 8 12.6	1.484	2.460	5.9	20.8
10 28	0 24.55	+ 7 14.3	1.518	2.448	10.5	21.0
11 7	0 18.95	+ 6 26.1	1.576	2.435	14.5	21.2

336825 2011 EY_{43} 10 5.1 175°.15 1°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.05	+ 3 30.9	1.918	2.753	14.2	21.7
9 8	1 6.22	+ 2 50.7	1.843	2.755	10.9	21.5
9 18	0 59.28	+ 2 0.0	1.789	2.757	7.0	21.3
9 28	0 50.84	+ 1 3.2	1.763	2.758	2.9	21.0
10 8	0 41.79	+ 0 6.5	1.764	2.759	2.4	21.0
10 18	0 33.09	− 0 43.8	1.794	2.759	6.4	21.3
10 28	0 25.68	− 1 22.3	1.851	2.759	10.3	21.5
11 7	0 20.25	− 1 45.4	1.932	2.758	13.6	21.7

2520 Novorossijsk 10 5.1 41°.78 0°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.44	+ 6 57.7	2.057	2.883	13.7	16.4
9 8	1 4.07	+ 6 51.4	1.984	2.889	10.6	16.2
9 18	0 57.80	+ 6 34.5	1.934	2.896	7.0	16.0
9 28	0 50.20	+ 6 9.4	1.909	2.903	3.1	15.7
10 8	0 42.07	+ 5 40.0	1.912	2.910	1.1	15.6
10 18	0 34.27	+ 5 10.9	1.943	2.917	5.1	15.9
10 28	0 27.64	+ 4 46.7	2.002	2.925	8.7	16.1
11 7	0 22.81	+ 4 31.2	2.085	2.932	11.9	16.4

149304 2002 TH_{297} 10 5.1 293°.51 1°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.84	+11 16.1	1.495	2.328	17.6	20.6
9 8	1 4.72	+10 59.6	1.399	2.305	14.1	20.3
9 18	0 58.90	+10 22.3	1.322	2.283	9.7	20.0
9 28	0 50.90	+ 9 26.0	1.268	2.260	4.8	19.7
10 8	0 41.73	+ 8 15.7	1.240	2.238	1.8	19.4
10 18	0 32.66	+ 6 59.7	1.237	2.215	6.6	19.7
10 28	0 25.03	+ 5 48.0	1.260	2.193	11.8	19.9
11 7	0 19.89	+ 4 49.6	1.305	2.171	16.4	20.1

197313 2003 WM_{143} 10 5.1 327°.58 6°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.52	−11 34.1	2.091	2.952	12.2	19.7
9 8	1 1.88	−12 43.5	2.023	2.944	9.6	19.5
9 18	0 56.40	−13 52.0	1.980	2.936	7.3	19.4
9 28	0 49.62	−14 52.3	1.962	2.929	6.2	19.3
10 8	0 42.30	−15 38.0	1.970	2.922	7.3	19.3
10 18	0 35.27	−16 4.0	2.005	2.915	9.6	19.5
10 28	0 29.35	−16 7.9	2.064	2.909	12.2	19.6
11 7	0 25.13	−15 49.8	2.143	2.903	14.7	19.8

314398 2005 UG_{200} 10 5.1 200°.45 0°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.16	+10 25.1	2.339	3.150	12.7	21.8
9 8	1 2.20	+ 9 56.9	2.253	3.148	10.0	21.6
9 18	0 56.54	+ 9 15.6	2.190	3.147	6.7	21.4
9 28	0 49.68	+ 8 23.5	2.154	3.145	3.2	21.2
10 8	0 42.30	+ 7 24.9	2.145	3.143	1.1	21.0
10 18	0 35.15	+ 6 24.9	2.166	3.141	4.5	21.3
10 28	0 28.98	+ 5 29.2	2.216	3.139	8.0	21.5
11 7	0 24.38	+ 4 42.5	2.290	3.136	11.0	21.7

404983 1999 XO_{260} 10 5.2 318°.77 5°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.01	+23 38.0	2.038	2.795	16.1	20.6
9 8	1 1.87	+23 50.9	1.940	2.782	13.7	20.4
9 18	0 56.64	+23 42.0	1.861	2.769	10.9	20.2
9 28	0 49.82	+23 9.6	1.804	2.757	8.0	20.0
10 8	0 42.23	+22 15.0	1.773	2.745	6.0	19.9
10 18	0 34.79	+21 2.6	1.768	2.734	6.4	19.9
10 28	0 28.49	+19 39.6	1.790	2.723	8.9	20.0
11 7	0 24.10	+18 14.8	1.837	2.712	12.0	20.2

348102 2003 YE_{28} 10 5.2 288°.30 8°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.50	−15 35.6	1.796	2.654	14.0	20.2
9 8	1 6.12	−16 48.8	1.725	2.639	11.4	20.0
9 18	0 59.40	−17 58.0	1.677	2.624	9.2	19.8
9 28	0 50.98	−18 54.1	1.654	2.608	8.4	19.8
10 8	0 41.81	−19 29.0	1.656	2.593	9.6	19.8
10 18	0 32.97	−19 37.3	1.682	2.578	12.0	19.9
10 28	0 25.52	−19 17.3	1.731	2.563	14.8	20.1
11 7	0 20.23	−18 30.8	1.800	2.548	17.5	20.2

110907 2001 UX_{122} 10 5.2 327°.77 0°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.80	+ 6 49.7	1.657	2.503	15.6	19.0
9 8	1 1.93	+ 6 21.2	1.571	2.488	12.1	18.8
9 18	0 56.78	+ 5 37.7	1.506	2.474	8.0	18.5
9 28	0 49.91	+ 4 42.7	1.465	2.461	3.4	18.2
10 8	0 42.22	+ 3 42.4	1.450	2.448	1.6	18.1
10 18	0 34.75	+ 2 44.0	1.462	2.436	6.4	18.3
10 28	0 28.58	+ 1 55.2	1.499	2.425	10.9	18.6
11 7	0 24.50	+ 1 21.4	1.559	2.414	14.8	18.8

94644 2001 WK_{39} 10 5.2 253°.11 0°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.78	+ 7 7.7	1.496	2.338	17.1	19.6
9 8	1 6.05	+ 6 20.9	1.410	2.326	13.3	19.4
9 18	0 59.64	+ 5 15.4	1.345	2.313	8.8	19.1
9 28	0 51.18	+ 3 55.8	1.305	2.301	3.6	18.7
10 8	0 41.71	+ 2 30.2	1.290	2.287	2.0	18.6
10 18	0 32.51	+ 1 8.2	1.302	2.274	7.4	18.9
10 28	0 24.84	− 0 0.4	1.339	2.260	12.4	19.1
11 7	0 19.63	− 0 49.0	1.399	2.245	16.7	19.4

398326 2011 OX_{54} 10 5.2 121°.43 7°.6/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.87	−13 22.8	1.879	2.739	13.4	20.8
9 8	1 4.53	−14 59.7	1.830	2.747	10.7	20.7
9 18	0 58.14	−16 33.4	1.804	2.754	8.4	20.6
9 28	0 50.36	−17 54.9	1.804	2.761	7.6	20.5
10 8	0 42.09	−18 56.2	1.830	2.768	8.8	20.6
10 18	0 34.27	−19 32.2	1.882	2.775	11.1	20.8
10 28	0 27.80	−19 41.0	1.957	2.782	13.6	21.0
11 7	0 23.29	−19 24.2	2.051	2.788	15.9	21.2

405513 2005 CM_{27} 10 5.2 300°.93 6°.0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.80	− 9 21.7	2.146	3.008	11.9	20.7
9 8	1 0.65	−10 57.0	2.064	2.987	9.3	20.5
9 18	0 55.69	−12 35.5	2.007	2.967	7.0	20.3
9 28	0 49.39	−14 9.4	1.976	2.946	6.0	20.2
10 8	0 42.45	−15 30.5	1.973	2.925	7.2	20.2
10 18	0 35.67	−16 32.3	1.996	2.905	9.8	20.4
10 28	0 29.88	−17 10.5	2.044	2.884	12.5	20.5
11 7	0 25.73	−17 23.9	2.112	2.864	15.1	20.6

315163 2007 FR_{30} 10 5.2 98°.85 0°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.66	+ 8 10.2	2.289	3.112	12.6	20.3
9 8	1 1.04	+ 7 22.3	2.211	3.115	9.7	20.1
9 18	0 55.77	+ 6 21.7	2.156	3.119	6.3	19.9
9 28	0 49.36	+ 5 12.1	2.127	3.122	2.7	19.7
10 8	0 42.49	+ 3 59.0	2.128	3.125	1.2	19.6
10 18	0 35.88	+ 2 48.0	2.157	3.129	4.9	19.9
10 28	0 30.27	+ 1 45.2	2.215	3.132	8.3	20.1
11 7	0 26.19	+ 0 54.8	2.298	3.135	11.3	20.3

266103 2006 SB_{131} 10 5.2 20°.81 0°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.37	+ 5 11.4	1.082	1.952	20.3	20.2
9 8	1 6.21	+ 5 6.8	1.028	1.958	15.7	20.0
9 18	0 59.88	+ 4 46.2	0.992	1.965	10.3	19.7
9 28	0 51.25	+ 4 14.2	0.977	1.974	4.3	19.4
10 8	0 41.75	+ 3 38.4	0.986	1.984	2.0	19.3
10 18	0 32.96	+ 3 7.0	1.018	1.995	7.9	19.7
10 28	0 26.28	+ 2 47.5	1.072	2.006	13.3	20.0
11 7	0 22.60	+ 2 44.6	1.147	2.019	17.8	20.4

342272 2008 TN_{6} 10 5.2 343°.37 0°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.97	+10 25.0	1.368	2.220	17.9	20.0
9 8	1 0.12	+ 9 19.4	1.292	2.212	14.0	19.8
9 18	0 55.76	+ 7 49.0	1.236	2.205	9.3	19.5
9 28	0 49.51	+ 5 59.4	1.203	2.199	4.0	19.2
10 8	0 42.42	+ 4 0.5	1.195	2.193	1.6	19.0
10 18	0 35.67	+ 2 4.8	1.213	2.188	7.1	19.3
10 28	0 30.46	+ 0 24.3	1.255	2.185	12.2	19.6
11 7	0 27.60	− 0 52.4	1.320	2.182	16.6	19.9

461896 2006 KM_{90} 10 5.2 91°.49 4°.0/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.12	− 2 44.9	1.347	2.206	17.7	20.9
9 8	1 10.74	− 3 17.8	1.292	2.217	13.5	20.7
9 18	1 2.49	− 3 56.6	1.258	2.229	8.9	20.4
9 28	0 52.27	− 4 34.0	1.247	2.240	4.8	20.2
10 8	0 41.37	− 5 2.3	1.263	2.251	5.0	20.3
10 18	0 31.19	− 5 15.4	1.304	2.262	9.2	20.6
10 28	0 23.00	− 5 9.6	1.370	2.273	13.5	20.8
11 7	0 17.57	− 4 44.6	1.456	2.283	17.2	21.1

81307 2000 GZ_{8} 10 5.2 100°.96 1°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.15	+ 5 1.0	1.635	2.475	16.0	19.9
9 8	1 6.52	+ 4 20.3	1.574	2.489	12.2	19.7
9 18	0 59.56	+ 3 26.7	1.534	2.502	7.9	19.5
9 28	0 51.00	+ 2 25.4	1.520	2.516	3.2	19.2
10 8	0 41.88	+ 1 23.4	1.532	2.529	2.2	19.2
10 18	0 33.28	+ 0 28.1	1.572	2.541	6.7	19.5
10 28	0 26.23	− 0 14.4	1.638	2.554	10.9	19.8
11 7	0 21.40	− 0 40.1	1.728	2.566	14.4	20.0

224966 2007 EF_{43} 10 5.2 103°.73 1°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.99	+ 4 38.1	2.332	3.165	12.1	20.5
9 8	1 1.22	+ 3 43.7	2.260	3.172	9.2	20.3
9 18	0 55.85	+ 2 39.3	2.211	3.179	5.9	20.1
9 28	0 49.39	+ 1 29.3	2.190	3.186	2.4	19.9
10 8	0 42.51	+ 0 19.3	2.198	3.193	2.0	19.9
10 18	0 35.91	− 0 45.2	2.235	3.200	5.3	20.1
10 28	0 30.29	− 1 38.9	2.300	3.207	8.6	20.3
11 7	0 26.18	− 2 18.6	2.389	3.213	11.4	20.5

507648 2013 PQ_{4} 10 5.2 90°.76 3°.4/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.35	+14 28.8	1.389	2.206	19.5	21.7
9 8	1 8.77	+14 35.3	1.325	2.218	15.7	21.5
9 18	1 1.34	+14 19.6	1.280	2.230	11.1	21.3
9 28	0 51.84	+13 42.5	1.257	2.241	6.3	21.0
10 8	0 41.54	+12 48.8	1.259	2.253	3.4	20.9
10 18	0 31.82	+11 46.2	1.287	2.264	6.5	21.1
10 28	0 23.98	+10 44.3	1.340	2.275	11.0	21.4
11 7	0 18.87	+ 9 51.6	1.416	2.286	15.2	21.7

23776 Gosset 10 5.2 298°.22 0°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.85	+ 8 43.1	1.790	2.618	15.4	18.4
9 8	1 4.83	+ 8 31.1	1.708	2.613	12.0	18.2
9 18	0 58.57	+ 8 4.7	1.646	2.608	8.1	17.9
9 28	0 50.65	+ 7 26.5	1.610	2.603	3.7	17.7
10 8	0 41.99	+ 6 41.2	1.600	2.598	1.3	17.5
10 18	0 33.60	+ 5 54.5	1.618	2.593	5.7	17.8
10 28	0 26.52	+ 5 13.2	1.662	2.588	9.9	18.0
11 7	0 21.51	+ 4 42.6	1.730	2.584	13.7	18.2

486162 2012 XL_{132} 10 5.2 4°.24 6°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 58.59	+22 43.2	1.178	1.997	22.2	19.3
9 8	0 57.99	+22 33.3	1.111	1.995	18.6	19.1
9 18	0 54.58	+21 46.8	1.059	1.996	14.3	18.8
9 28	0 49.06	+20 23.2	1.026	1.998	9.8	18.6
10 8	0 42.63	+18 28.2	1.016	2.002	6.4	18.4
10 18	0 36.66	+16 13.8	1.028	2.008	7.4	18.5
10 28	0 32.48	+13 56.0	1.065	2.015	11.4	18.8
11 7	0 30.93	+11 50.4	1.123	2.023	15.8	19.0

104169 2000 EB_{80} 10 5.2 233°.43 0°.1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.14	+ 6 2.4	2.633	3.451	11.3	19.8
9 8	1 2.78	+ 5 44.8	2.542	3.444	8.7	19.6
9 18	0 56.87	+ 5 18.5	2.474	3.436	5.7	19.4
9 28	0 49.85	+ 4 45.9	2.434	3.428	2.4	19.2
10 8	0 42.32	+ 4 10.5	2.422	3.420	1.0	19.0
10 18	0 34.97	+ 3 36.1	2.441	3.412	4.4	19.3
10 28	0 28.48	+ 3 6.6	2.488	3.404	7.6	19.5
11 7	0 23.39	+ 2 45.5	2.561	3.395	10.4	19.7

519459 2012 AO_{25} 10 5.2 259°.20 1°.0/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.33	+10 51.6	2.561	3.364	12.0	22.3
9 8	1 2.32	+10 26.6	2.455	3.346	9.4	22.1
9 18	0 56.67	+ 9 48.8	2.373	3.327	6.5	21.9
9 28	0 49.80	+ 9 0.2	2.317	3.307	3.2	21.6
10 8	0 42.33	+ 8 4.1	2.290	3.288	1.2	21.5
10 18	0 34.97	+ 7 5.3	2.293	3.268	4.3	21.7
10 28	0 28.44	+ 6 9.0	2.324	3.247	7.7	21.8
11 7	0 23.36	+ 5 20.1	2.382	3.226	10.7	22.0

295618 2008 SL_{213} 10 5.2 325°.82 0°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.40	+ 5 18.0	3.907	4.726	7.9	20.4
9 8	0 56.42	+ 4 47.3	3.815	4.720	6.0	20.2
9 18	0 52.49	+ 4 10.8	3.749	4.713	3.9	20.1
9 28	0 47.93	+ 3 30.3	3.711	4.707	1.6	19.9
10 8	0 43.09	+ 2 48.6	3.703	4.700	0.9	19.8
10 18	0 38.37	+ 2 8.4	3.725	4.694	3.2	20.0
10 28	0 34.15	+ 1 32.5	3.777	4.688	5.4	20.2
11 7	0 30.77	+ 1 3.1	3.855	4.682	7.4	20.3

159241 2005 YW_{37} 10 5.2 262°.36 3°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.14	+ 0 9.5	1.698	2.552	14.8	20.4
9 8	1 4.38	− 0 54.6	1.618	2.543	11.3	20.2
9 18	0 58.33	− 2 9.4	1.561	2.533	7.4	19.9
9 28	0 50.57	− 3 28.3	1.529	2.522	3.8	19.7
10 8	0 42.04	− 4 42.8	1.524	2.512	4.4	19.7
10 18	0 33.79	− 5 45.0	1.546	2.502	8.2	19.9
10 28	0 26.89	− 6 28.3	1.594	2.491	12.3	20.1
11 7	0 22.10	− 6 49.5	1.663	2.480	15.8	20.3

368471 2003 SU_{185} 10 5.2 37°.63 3°.5/ 7.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.96	+14 36.5	1.148	1.987	21.5	20.4
9 8	1 5.84	+14 38.0	1.092	1.997	17.2	20.2
9 18	0 59.62	+14 13.2	1.052	2.009	12.2	20.0
9 28	0 51.16	+13 23.6	1.034	2.021	6.9	19.7
10 8	0 41.84	+12 15.7	1.038	2.033	3.5	19.6
10 18	0 33.20	+10 59.3	1.067	2.046	7.0	19.8
10 28	0 26.62	+ 9 46.3	1.119	2.060	12.0	20.1
11 7	0 22.97	+ 8 46.5	1.192	2.075	16.5	20.4

27558 2000 JW_{55} 10 5.2 332°.77 1°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.11	+ 3 38.5	2.272	3.108	12.2	18.9
9 8	1 1.44	+ 3 6.6	2.190	3.104	9.3	18.7
9 18	0 56.09	+ 2 25.8	2.132	3.100	6.0	18.5
9 28	0 49.53	+ 1 39.8	2.100	3.096	2.5	18.2
10 8	0 42.47	+ 0 53.3	2.096	3.092	1.9	18.2
10 18	0 35.63	+ 0 11.2	2.122	3.089	5.4	18.4
10 28	0 29.77	− 0 21.9	2.174	3.085	8.8	18.6
11 7	0 25.46	− 0 42.9	2.251	3.082	11.7	18.8

95558 2002 EF_{97} 10 5.2 78°.06 5°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.75	−13 23.3	2.216	3.050	12.6	19.0
9 8	1 10.81	−13 38.7	2.162	3.066	9.9	18.8
9 18	1 1.97	−13 49.0	2.131	3.082	7.3	18.7
9 28	0 51.93	−13 49.4	2.129	3.098	5.7	18.7
10 8	0 41.57	−13 35.8	2.155	3.114	6.2	18.7
10 18	0 31.78	−13 6.6	2.210	3.129	8.4	18.9
10 28	0 23.38	−12 21.5	2.292	3.145	10.9	19.1
11 7	0 16.93	−11 22.3	2.398	3.161	13.2	19.3

319134 2005 YV_{8} 10 5.2 310°.82 0°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.09	+ 4 11.5	2.007	2.841	13.7	20.6
9 8	1 4.81	+ 4 6.4	1.918	2.829	10.6	20.3
9 18	0 58.47	+ 3 52.5	1.852	2.818	6.9	20.1
9 28	0 50.61	+ 3 32.3	1.811	2.806	2.9	19.8
10 8	0 42.04	+ 3 9.9	1.798	2.795	1.5	19.7
10 18	0 33.66	+ 2 49.7	1.813	2.784	5.6	20.0
10 28	0 26.43	+ 2 36.2	1.855	2.774	9.6	20.2
11 7	0 21.05	+ 2 33.0	1.921	2.763	13.0	20.4

487324 2014 QV_{145} 10 5.2 268°.12 2°.0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.80	+12 6.3	2.395	3.192	12.9	22.0
9 8	1 4.30	+12 14.9	2.300	3.183	10.3	21.8
9 18	0 58.00	+12 11.4	2.228	3.175	7.2	21.6
9 28	0 50.39	+11 56.7	2.181	3.167	4.0	21.4
10 8	0 42.15	+11 33.1	2.163	3.158	2.1	21.2
10 18	0 34.07	+11 4.1	2.174	3.149	4.5	21.4
10 28	0 26.95	+10 34.1	2.214	3.141	7.8	21.6
11 7	0 21.43	+10 7.8	2.279	3.132	10.8	21.7

39598 1993 RG_{13} 10 5.2 265°.00 1°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.64	+ 5 22.0	2.278	3.111	12.3	19.4
9 8	1 1.10	+ 4 29.0	2.193	3.104	9.4	19.2
9 18	0 55.89	+ 3 24.7	2.131	3.098	6.1	19.0
9 28	0 49.47	+ 2 13.1	2.096	3.092	2.5	18.7
10 8	0 42.53	+ 0 59.9	2.090	3.085	1.9	18.7
10 18	0 35.80	− 0 8.9	2.112	3.079	5.4	18.9
10 28	0 30.03	− 1 7.6	2.163	3.072	8.9	19.1
11 7	0 25.80	− 1 52.2	2.238	3.066	11.9	19.3

374834 2006 UU_{242} 10 5.2 262.°62 1.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.36	+ 3 5.4	1.564	2.408	16.4	21.7
9 8	1 8.70	+ 2 52.2	1.480	2.397	12.7	21.4
9 18	1 1.34	+ 2 28.1	1.417	2.386	8.3	21.1
9 28	0 51.94	+ 1 57.0	1.379	2.375	3.5	20.8
10 8	0 41.54	+ 1 24.7	1.367	2.363	2.3	20.7
10 18	0 31.41	+ 0 57.6	1.382	2.351	7.3	21.0
10 28	0 22.83	+ 0 41.4	1.422	2.340	12.0	21.2
11 7	0 16.72	+ 0 40.2	1.485	2.328	16.1	21.5

171681 2000 RK_{23} 10 5.2 48.°38 5.°3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.60	+15 12.4	1.135	1.962	22.4	19.2
9 8	1 11.00	+16 2.8	1.083	1.979	18.1	19.0
9 18	1 3.03	+16 29.2	1.049	1.997	13.2	18.8
9 28	0 52.63	+16 29.9	1.035	2.015	8.2	18.6
10 8	0 41.34	+16 7.7	1.043	2.034	5.3	18.5
10 18	0 30.87	+15 29.5	1.077	2.053	7.7	18.7
10 28	0 22.74	+14 45.4	1.133	2.072	12.1	19.0
11 7	0 17.83	+14 5.5	1.211	2.092	16.4	19.3

128141 2003 QE_{58} 10 5.2 338.°27 1.°8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.64	+11 16.5	2.013	2.829	14.4	19.7
9 8	1 2.94	+11 15.6	1.927	2.823	11.4	19.5
9 18	0 57.25	+11 0.7	1.863	2.817	7.9	19.3
9 28	0 50.11	+10 33.1	1.823	2.812	4.1	19.0
10 8	0 42.30	+ 9 56.3	1.810	2.807	1.8	18.9
10 18	0 34.72	+ 9 15.1	1.826	2.803	5.0	19.1
10 28	0 28.27	+ 8 35.3	1.868	2.799	8.7	19.3
11 7	0 23.63	+ 8 2.1	1.935	2.795	12.2	19.5

46970 1998 SW_{137} 10 5.2 124.°40 0.°6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.19	+ 6 46.2	1.910	2.743	14.3	19.4
9 8	1 3.32	+ 5 59.9	1.836	2.746	11.0	19.2
9 18	0 57.45	+ 5 0.0	1.783	2.750	7.2	19.0
9 28	0 50.16	+ 3 50.8	1.757	2.753	2.9	18.7
10 8	0 42.31	+ 2 38.7	1.758	2.756	1.6	18.6
10 18	0 34.79	+ 1 30.7	1.788	2.759	5.8	18.9
10 28	0 28.49	+ 0 33.3	1.845	2.761	9.7	19.2
11 7	0 24.07	− 0 8.8	1.925	2.764	13.1	19.4

388608 2007 RD_{287} 10 5.2 34.°85 1.°9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.59	− 0 46.4	1.450	2.301	17.1	20.5
9 8	1 10.96	− 0 29.9	1.392	2.312	13.1	20.3
9 18	1 2.61	− 0 18.5	1.355	2.325	8.5	20.1
9 28	0 52.37	− 0 8.6	1.342	2.338	3.7	19.8
10 8	0 41.49	+ 0 4.0	1.356	2.351	2.8	19.8
10 18	0 31.27	+ 0 22.8	1.397	2.365	7.3	20.1
10 28	0 22.92	+ 0 50.6	1.463	2.380	11.7	20.4
11 7	0 17.20	+ 1 28.7	1.551	2.395	15.5	20.7

205183 2000 CM_{113} 10 5.2 244.°51 6.°2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.78	− 8 51.0	1.933	2.795	13.0	20.2
9 8	1 3.04	−10 25.8	1.866	2.790	10.1	20.0
9 18	0 57.29	−12 3.0	1.823	2.784	7.5	19.9
9 28	0 50.12	−13 34.0	1.806	2.778	6.2	19.8
10 8	0 42.35	−14 50.4	1.816	2.773	7.4	19.8
10 18	0 34.88	−15 45.5	1.853	2.767	10.1	20.0
10 28	0 28.61	−16 15.6	1.914	2.761	13.0	20.2
11 7	0 24.19	−16 20.3	1.995	2.755	15.6	20.4

112718 2002 PK_{116} 10 5.2 72.°26 1.°8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.28	+11 48.6	1.379	2.208	19.0	19.7
9 8	1 7.79	+11 33.2	1.324	2.227	14.9	19.5
9 18	1 0.59	+10 57.3	1.288	2.247	10.2	19.3
9 28	0 51.52	+10 3.9	1.275	2.266	5.1	19.0
10 8	0 41.83	+ 8 59.7	1.288	2.285	2.0	18.9
10 18	0 32.82	+ 7 53.3	1.327	2.304	6.3	19.2
10 28	0 25.68	+ 6 53.6	1.391	2.323	11.0	19.5
11 7	0 21.13	+ 6 7.4	1.478	2.342	15.0	19.8

19247 1994 LO_{1} 10 5.2 11.°50 27.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.65	−49 15.0	0.948	1.750	27.5	17.1
9 8	1 16.71	−52 0.6	0.953	1.751	27.6	17.1
9 18	1 7.36	−53 51.2	0.968	1.752	28.0	17.2
9 28	0 54.43	−54 32.9	0.993	1.753	28.7	17.3
10 8	0 40.81	−54 1.0	1.027	1.755	29.5	17.4
10 18	0 29.29	−52 19.8	1.069	1.758	30.4	17.5
10 28	0 21.75	−49 39.9	1.118	1.761	31.3	17.6
11 7	0 18.76	−46 15.6	1.175	1.765	32.1	17.7

472897 2015 FM_{331} 10 5.2 137.°22 0.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.02	+ 5 22.8	1.711	2.546	15.7	21.6
9 8	1 7.23	+ 4 57.4	1.641	2.552	12.0	21.3
9 18	1 0.11	+ 4 19.7	1.592	2.558	7.8	21.1
9 28	0 51.33	+ 3 33.5	1.568	2.564	3.2	20.8
10 8	0 41.90	+ 2 45.0	1.572	2.569	1.7	20.7
10 18	0 32.89	+ 2 0.4	1.603	2.574	6.3	21.1
10 28	0 25.36	+ 1 25.8	1.661	2.579	10.6	21.3
11 7	0 20.02	+ 1 5.3	1.742	2.583	14.2	21.6

360009 2012 YP_{5} 10 5.2 179.°98 10.°6/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.94	+26 45.3	1.438	2.181	22.3	20.6
9 8	1 15.42	+28 18.7	1.359	2.182	19.4	20.3
9 18	1 6.30	+29 26.8	1.296	2.183	16.2	20.1
9 28	0 54.27	+30 1.9	1.254	2.183	13.0	19.9
10 8	0 40.68	+29 59.9	1.234	2.183	10.9	19.8
10 18	0 27.34	+29 22.3	1.238	2.182	11.1	19.8
10 28	0 16.08	+28 18.1	1.266	2.181	13.4	20.0
11 7	0 8.19	+27 0.8	1.316	2.179	16.5	20.2

478767 2012 UN_{119} 10 5.2 10.°18 11.°2/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.83	−17 20.9	0.948	1.840	20.6	19.0
9 8	1 8.35	−17 47.2	0.911	1.844	16.9	18.8
9 18	1 1.30	−17 59.0	0.892	1.851	13.3	18.7
9 28	0 51.87	−17 45.1	0.891	1.860	11.3	18.6
10 8	0 41.76	−16 58.3	0.911	1.872	12.1	18.7
10 18	0 32.74	−15 37.9	0.952	1.886	14.9	18.9
10 28	0 26.25	−13 48.6	1.013	1.902	18.4	19.2
11 7	0 23.03	−11 38.2	1.091	1.920	21.7	19.5

515078 2010 RE_{155} 10 5.2 55.°24 4.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.30	+18 38.2	2.054	2.830	15.4	20.7
9 8	1 5.00	+18 57.7	1.971	2.832	12.7	20.5
9 18	0 58.61	+18 59.4	1.908	2.835	9.6	20.3
9 28	0 50.72	+18 42.6	1.870	2.838	6.4	20.1
10 8	0 42.14	+18 9.3	1.858	2.841	4.4	20.0
10 18	0 33.83	+17 23.5	1.873	2.844	5.6	20.1
10 28	0 26.74	+16 31.7	1.916	2.847	8.5	20.3
11 7	0 21.55	+15 40.5	1.984	2.850	11.6	20.5

158294 2001 UK_{104} 10 5.2 322.°86 0.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.51	+ 8 5.2	1.329	2.184	18.2	20.3
9 8	1 3.12	+ 7 41.8	1.245	2.167	14.3	20.0
9 18	0 57.95	+ 6 59.0	1.181	2.150	9.5	19.7
9 28	0 50.60	+ 6 0.1	1.139	2.134	4.2	19.3
10 8	0 42.15	+ 4 52.2	1.121	2.119	1.6	19.1
10 18	0 33.93	+ 3 44.6	1.128	2.105	7.3	19.4
10 28	0 27.30	+ 2 47.1	1.159	2.091	12.6	19.7
11 7	0 23.27	+ 2 7.5	1.210	2.079	17.3	19.9

183757 2004 AC_{6} 10 5.2 166.°58 3.°3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.04	+15 29.6	1.930	2.716	15.9	20.4
9 8	1 8.70	+15 38.1	1.847	2.721	12.9	20.2
9 18	1 1.08	+15 29.1	1.786	2.725	9.3	20.0
9 28	0 51.78	+15 2.8	1.749	2.728	5.6	19.7
10 8	0 41.74	+14 22.1	1.740	2.731	3.3	19.6
10 18	0 32.03	+13 31.9	1.759	2.733	5.5	19.8
10 28	0 23.69	+12 39.1	1.806	2.735	9.1	20.0
11 7	0 17.48	+11 50.6	1.878	2.736	12.6	20.2

27490 2000 GS_{102} 10 5.2 32.°22 1.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.58	+13 0.1	1.775	2.594	15.8	18.1
9 8	1 2.29	+12 23.4	1.700	2.597	12.5	17.9
9 18	0 56.89	+11 27.3	1.646	2.601	8.6	17.6
9 28	0 49.99	+10 14.8	1.616	2.606	4.3	17.4
10 8	0 42.46	+ 8 51.9	1.612	2.610	1.6	17.2
10 18	0 35.29	+ 7 26.5	1.637	2.615	5.3	17.5
10 28	0 29.41	+ 6 6.9	1.688	2.619	9.5	17.8
11 7	0 25.52	+ 5 0.2	1.764	2.624	13.1	18.0

8066 Poldimeri 10 5.2 62.°07 0.°2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.46	+ 8 9.6	2.214	3.040	12.9	17.5
9 8	1 0.94	+ 7 19.0	2.142	3.048	9.9	17.3
9 18	0 55.76	+ 6 15.7	2.093	3.057	6.5	17.1
9 28	0 49.44	+ 5 3.5	2.071	3.066	2.7	16.9
10 8	0 42.68	+ 3 48.1	2.077	3.075	1.2	16.8
10 18	0 36.23	+ 2 35.6	2.112	3.084	5.0	17.1
10 28	0 30.80	+ 1 31.9	2.175	3.093	8.4	17.3
11 7	0 26.94	+ 0 41.4	2.263	3.102	11.4	17.5

289525 2005 EZ_{189} 10 5.2 293.°00 0.°8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.93	+ 6 16.2	1.707	2.548	15.4	20.6
9 8	1 3.62	+ 5 36.6	1.614	2.529	11.9	20.4
9 18	0 57.98	+ 4 41.5	1.542	2.510	7.8	20.1
9 28	0 50.55	+ 3 34.8	1.495	2.491	3.3	19.8
10 8	0 42.21	+ 2 23.2	1.475	2.472	1.9	19.6
10 18	0 34.04	+ 1 14.6	1.482	2.453	6.7	19.9
10 28	0 27.13	+ 0 16.9	1.515	2.434	11.2	20.1
11 7	0 22.34	− 0 23.9	1.570	2.416	15.2	20.3

133341 2003 SK_{106} 10 5.2 293.°15 6.°7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.64	−16 32.4	2.303	3.138	12.1	19.5
9 8	1 9.53	−16 58.0	2.222	3.122	9.9	19.3
9 18	1 1.42	−17 17.3	2.165	3.106	7.8	19.2
9 28	0 51.88	−17 24.7	2.135	3.091	6.7	19.1
10 8	0 41.74	−17 15.2	2.132	3.075	7.4	19.1
10 18	0 31.92	−16 46.2	2.158	3.060	9.4	19.2
10 28	0 23.29	−15 57.3	2.209	3.045	11.9	19.4
11 7	0 16.53	−14 50.1	2.284	3.029	14.3	19.5

13794 1998 VD_5 10 5.2 299°.57 1°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.25	+ 3 16.1	2.174	3.011	12.7	18.3
9 8	1 2.52	+ 2 46.5	2.081	2.996	9.7	18.1
9 18	0 56.95	+ 2 7.7	2.012	2.980	6.3	17.9
9 28	0 50.02	+ 1 23.2	1.969	2.965	2.7	17.6
10 8	0 42.45	+ 0 37.9	1.954	2.949	2.1	17.5
10 18	0 35.04	− 0 3.0	1.967	2.934	5.7	17.8
10 28	0 28.62	− 0 34.6	2.007	2.919	9.4	18.0
11 7	0 23.86	− 0 53.4	2.072	2.904	12.6	18.1

388230 2006 KT_{12} 10 5.2 167°.25 5°.2/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.16	− 8 18.9	2.262	3.111	11.8	22.2
9 8	1 4.48	− 9 40.4	2.199	3.116	9.1	22.0
9 18	0 58.05	−11 3.4	2.160	3.120	6.6	21.8
9 28	0 50.42	−12 20.8	2.150	3.124	5.2	21.8
10 8	0 42.32	−13 26.1	2.167	3.127	6.1	21.8
10 18	0 34.55	−14 14.0	2.213	3.129	8.5	22.0
10 28	0 27.87	−14 41.3	2.284	3.131	11.2	22.2
11 7	0 22.85	−14 47.8	2.377	3.132	13.5	22.3

77784 2001 QF_{36} 10 5.2 132°.45 5°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.02	+22 26.7	2.113	2.862	15.8	19.6
9 8	1 6.34	+22 55.6	2.029	2.867	13.3	19.4
9 18	0 59.52	+23 4.9	1.965	2.872	10.4	19.2
9 28	0 51.13	+22 53.3	1.924	2.876	7.6	19.1
10 8	0 42.05	+22 21.8	1.910	2.881	5.7	19.0
10 18	0 33.23	+21 34.0	1.923	2.885	6.3	19.0
10 28	0 25.64	+20 36.2	1.963	2.889	8.7	19.2
11 7	0 20.02	+19 36.0	2.028	2.893	11.5	19.3

225045 2007 GE_{16} 10 5.2 345°.39 0°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.86	+ 8 12.8	2.236	3.055	13.0	21.0
9 8	1 2.86	+ 7 56.0	2.153	3.055	10.1	20.8
9 18	0 57.09	+ 7 27.7	2.094	3.054	6.7	20.6
9 28	0 50.06	+ 6 50.5	2.060	3.053	3.0	20.4
10 8	0 42.49	+ 6 8.2	2.054	3.053	1.0	20.2
10 18	0 35.17	+ 5 25.7	2.078	3.052	4.7	20.5
10 28	0 28.88	+ 4 47.9	2.129	3.052	8.3	20.7
11 7	0 24.21	+ 4 18.9	2.205	3.051	11.4	20.9

85333 1995 SN_{13} 10 5.2 32°.69 0°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.11	+ 7 48.9	1.695	2.530	15.7	19.1
9 8	1 4.24	+ 7 37.2	1.630	2.540	12.2	18.9
9 18	0 58.17	+ 7 11.8	1.586	2.550	8.1	18.7
9 28	0 50.55	+ 6 35.8	1.566	2.560	3.6	18.5
10 8	0 42.34	+ 5 54.4	1.573	2.571	1.2	18.3
10 18	0 34.56	+ 5 13.6	1.607	2.583	5.7	18.6
10 28	0 28.19	+ 4 39.3	1.668	2.595	9.8	18.9
11 7	0 23.91	+ 4 16.4	1.751	2.607	13.4	19.2

332683 2009 DL_{142} 10 5.2 107°.27 0°.7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.04	+10 9.1	2.066	2.881	14.0	21.5
9 8	1 3.81	+ 9 37.9	1.994	2.892	10.9	21.3
9 18	0 57.72	+ 8 52.5	1.944	2.902	7.3	21.1
9 28	0 50.32	+ 7 55.8	1.920	2.912	3.4	20.9
10 8	0 42.43	+ 6 53.1	1.924	2.923	1.1	20.7
10 18	0 34.90	+ 5 50.1	1.957	2.932	4.9	21.0
10 28	0 28.53	+ 4 53.1	2.018	2.942	8.6	21.3
11 7	0 23.94	+ 4 7.0	2.104	2.952	11.8	21.5

449801 2014 OC_{285} 10 5.2 25°.97 6°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.44	−10 42.4	1.950	2.812	12.9	20.5
9 8	1 2.66	−11 51.0	1.896	2.818	10.1	20.3
9 18	0 56.98	−12 58.3	1.865	2.824	7.5	20.1
9 28	0 50.00	−13 57.0	1.859	2.830	6.2	20.1
10 8	0 42.56	−14 40.4	1.880	2.837	7.2	20.2
10 18	0 35.52	−15 3.8	1.927	2.844	9.6	20.3
10 28	0 29.70	−15 5.0	1.999	2.851	12.3	20.5
11 7	0 25.69	−14 44.7	2.091	2.859	14.7	20.7

351116 2003 VV_8 10 5.2 106°.50 3°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.30	− 3 37.2	1.852	2.699	14.2	20.5
9 8	1 7.98	− 4 3.7	1.788	2.706	10.8	20.3
9 18	1 0.49	− 4 33.8	1.745	2.713	7.1	20.1
9 28	0 51.51	− 5 2.1	1.729	2.720	4.0	19.9
10 8	0 41.98	− 5 23.3	1.741	2.727	4.3	20.0
10 18	0 32.90	− 5 32.8	1.780	2.733	7.5	20.2
10 28	0 25.23	− 5 27.7	1.846	2.740	11.1	20.4
11 7	0 19.64	− 5 7.2	1.934	2.746	14.2	20.6

261299 2005 UK_{181} 10 5.2 10°.64 3°.4/ 8.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.22	+17 50.1	1.830	2.628	16.2	19.9
9 8	1 1.29	+17 29.6	1.751	2.629	13.2	19.7
9 18	0 56.28	+16 47.2	1.691	2.631	9.7	19.5
9 28	0 49.78	+15 44.1	1.655	2.634	5.9	19.3
10 8	0 42.64	+14 25.0	1.645	2.637	3.4	19.1
10 18	0 35.81	+12 56.8	1.663	2.640	5.3	19.2
10 28	0 30.24	+11 28.3	1.707	2.644	8.9	19.5
11 7	0 26.61	+10 7.8	1.776	2.649	12.4	19.7

427443 2001 QV_{61} 10 5.2 40°.33 10°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.56	+23 57.7	1.210	1.987	24.0	19.8
9 8	1 15.08	+26 0.6	1.161	2.009	20.6	19.7
9 18	1 5.92	+27 35.4	1.128	2.031	16.8	19.5
9 28	0 54.03	+28 34.3	1.115	2.055	13.2	19.4
10 8	0 41.01	+28 54.3	1.123	2.079	10.9	19.3
10 18	0 28.78	+28 38.6	1.155	2.104	11.2	19.4
10 28	0 19.06	+27 57.5	1.209	2.130	13.4	19.6
11 7	0 12.89	+27 4.4	1.285	2.156	16.3	19.9

320121 2007 EF_{176} 10 5.2 157°.52 0°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.08	+10 57.2	2.697	3.497	11.5	21.8
9 8	1 1.94	+10 27.6	2.614	3.502	9.0	21.6
9 18	0 56.33	+ 9 46.3	2.554	3.507	6.1	21.4
9 28	0 49.71	+ 8 55.5	2.521	3.511	3.0	21.2
10 8	0 42.68	+ 7 58.8	2.517	3.515	1.0	21.1
10 18	0 35.88	+ 7 0.8	2.544	3.519	4.0	21.3
10 28	0 29.93	+ 6 6.2	2.600	3.522	7.0	21.5
11 7	0 25.35	+ 5 19.2	2.682	3.525	9.7	21.7

268868 2006 YF_{45} 10 5.2 194°.42 1°.2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.20	+ 4 35.3	1.826	2.660	14.8	21.8
9 8	1 6.58	+ 3 55.5	1.747	2.659	11.4	21.5
9 18	0 59.73	+ 3 3.4	1.690	2.657	7.4	21.3
9 28	0 51.26	+ 2 3.6	1.659	2.654	3.1	21.0
10 8	0 42.08	+ 1 2.4	1.655	2.651	2.2	21.0
10 18	0 33.24	+ 0 6.6	1.680	2.648	6.5	21.2
10 28	0 25.72	− 0 37.5	1.732	2.644	10.6	21.5
11 7	0 20.27	− 1 5.7	1.807	2.640	14.1	21.7

127032 2002 GR_{33} 10 5.2 334°.26 5°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.90	− 5 59.3	1.898	2.762	13.1	19.5
9 8	1 1.65	− 7 18.2	1.830	2.757	10.1	19.3
9 18	0 56.44	− 8 41.3	1.784	2.752	7.0	19.1
9 28	0 49.83	−10 1.2	1.765	2.747	5.2	19.0
10 8	0 42.64	−11 9.8	1.772	2.742	6.2	19.0
10 18	0 35.75	−12 0.7	1.806	2.738	9.1	19.2
10 28	0 30.02	−12 29.5	1.864	2.734	12.2	19.4
11 7	0 26.11	−12 35.3	1.944	2.730	15.0	19.6

316792 1999 TU_{229} 10 5.2 333°.93 0°.9/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.93	+ 8 57.2	1.894	2.721	14.7	21.1
9 8	1 3.31	+ 8 49.3	1.809	2.714	11.5	20.9
9 18	0 57.61	+ 8 27.9	1.746	2.707	7.8	20.6
9 28	0 50.37	+ 7 55.1	1.707	2.700	3.7	20.4
10 8	0 42.42	+ 7 15.2	1.696	2.694	1.3	20.2
10 18	0 34.71	+ 6 33.5	1.712	2.688	5.3	20.5
10 28	0 28.19	+ 5 55.9	1.754	2.683	9.4	20.7
11 7	0 23.57	+ 5 27.6	1.821	2.678	12.9	20.9

298168 2002 TU_{123} 10 5.2 19°.20 4°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.80	+18 52.8	1.519	2.323	18.7	20.1
9 8	1 2.92	+18 56.4	1.448	2.328	15.4	19.9
9 18	0 57.56	+18 35.3	1.396	2.334	11.5	19.7
9 28	0 50.38	+17 49.3	1.366	2.341	7.5	19.5
10 8	0 42.43	+16 42.8	1.360	2.348	4.8	19.3
10 18	0 34.91	+15 22.9	1.379	2.356	6.3	19.4
10 28	0 28.93	+13 59.8	1.425	2.365	10.0	19.7
11 7	0 25.29	+12 43.2	1.493	2.374	13.8	19.9

78405 2002 QW_{14} 10 5.2 325°.57 0°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.76	+10 29.0	2.056	2.881	13.8	18.8
9 8	0 59.97	+ 9 44.2	1.965	2.869	10.8	18.5
9 18	0 55.35	+ 8 43.1	1.896	2.857	7.2	18.3
9 28	0 49.39	+ 7 28.7	1.852	2.845	3.3	18.0
10 8	0 42.81	+ 6 6.7	1.836	2.834	1.1	17.8
10 18	0 36.42	+ 4 43.9	1.848	2.823	5.1	18.1
10 28	0 31.05	+ 3 27.7	1.887	2.813	9.0	18.3
11 7	0 27.35	+ 2 24.2	1.951	2.803	12.4	18.5

252807 2002 GV_5 10 5.2 144°.05 4°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.40	−10 2.2	2.783	3.623	10.1	20.6
9 8	1 4.30	−10 47.5	2.722	3.633	7.9	20.4
9 18	0 57.77	−11 31.7	2.687	3.643	5.7	20.3
9 28	0 50.30	−12 10.3	2.679	3.652	4.4	20.2
10 8	0 42.49	−12 38.9	2.700	3.660	5.0	20.3
10 18	0 34.99	−12 54.5	2.750	3.668	7.0	20.4
10 28	0 28.41	−12 55.4	2.827	3.676	9.2	20.6
11 7	0 23.22	−12 41.4	2.928	3.683	11.2	20.8

222241 2000 HY_{90} 10 5.2 234°.93 9°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.95	−32 29.8	2.892	3.689	10.9	19.9
9 8	1 5.75	−33 47.7	2.843	3.677	10.0	19.8
9 18	0 58.86	−34 52.7	2.816	3.665	9.6	19.8
9 28	0 50.80	−35 38.6	2.814	3.652	9.8	19.8
10 8	0 42.29	−36 0.9	2.835	3.639	10.6	19.8
10 18	0 34.08	−35 57.6	2.878	3.626	11.7	19.9
10 28	0 26.92	−35 28.9	2.942	3.612	12.9	20.0
11 7	0 21.35	−34 37.3	3.022	3.598	14.1	20.1

495305 2013 YE_{97} 10 5.2 107°.42 14°.8/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.98	−16 47.0	1.013	1.904	19.7	20.6
9 8	1 6.98	−20 44.4	0.987	1.914	16.6	20.5
9 18	1 0.55	−24 30.3	0.983	1.923	14.9	20.4
9 28	0 51.68	−27 40.4	1.001	1.931	15.4	20.5
10 8	0 41.98	−29 56.6	1.040	1.940	17.6	20.6
10 18	0 33.16	−31 11.9	1.098	1.948	20.5	20.9
10 28	0 26.69	−31 28.9	1.172	1.956	23.2	21.1
11 7	0 23.40	−30 56.8	1.258	1.964	25.6	21.3

287062 2002 RC_{11} 10 5.2 6°.50 6°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.02	+17 8.1	1.388	2.197	19.9	19.6
9 8	1 8.12	+18 23.0	1.317	2.197	16.6	19.4
9 18	1 1.24	+19 18.6	1.264	2.199	12.7	19.2
9 28	0 52.06	+19 51.2	1.232	2.202	8.8	19.0
10 8	0 41.77	+20 0.4	1.224	2.206	6.5	18.9
10 18	0 31.85	+19 49.2	1.241	2.211	7.9	18.9
10 28	0 23.72	+19 24.7	1.282	2.217	11.4	19.2
11 7	0 18.40	+18 56.1	1.344	2.224	15.2	19.4

233046 2005 GO_{41} 10 5.2 190°.78 0°.2/ 5.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.98	+ 8 20.9	2.173	2.989	13.4	21.6
9 8	1 4.55	+ 7 50.1	2.088	2.988	10.4	21.4
9 18	0 58.24	+ 7 6.5	2.027	2.987	6.9	21.2
9 28	0 50.59	+ 6 13.1	1.992	2.985	3.0	21.0
10 8	0 42.37	+ 5 14.7	1.985	2.983	1.1	20.8
10 18	0 34.39	+ 4 16.8	2.007	2.980	5.0	21.1
10 28	0 27.51	+ 3 25.3	2.058	2.977	8.7	21.3
11 7	0 22.35	+ 2 44.7	2.134	2.974	12.0	21.5

146064 2000 FC_{58} 10 5.2 113°.48 3°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.29	+ 0 2.4	1.668	2.518	15.3	20.3
9 8	1 6.64	− 0 52.8	1.608	2.529	11.6	20.1
9 18	0 59.72	− 1 56.6	1.570	2.540	7.5	19.8
9 28	0 51.22	− 3 2.5	1.557	2.550	3.8	19.6
10 8	0 42.15	− 4 2.7	1.572	2.561	4.0	19.7
10 18	0 33.59	− 4 50.3	1.613	2.570	7.8	19.9
10 28	0 26.52	− 5 20.3	1.681	2.580	11.6	20.2
11 7	0 21.64	− 5 30.6	1.770	2.589	15.0	20.4

355375 2007 TL_{350} 10 5.2 196°.76 1°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.92	+14 28.5	4.526	5.294	7.7	20.7
9 8	0 58.25	+14 31.0	4.430	5.293	6.2	20.6
9 18	0 53.71	+14 26.2	4.359	5.293	4.4	20.5
9 28	0 48.57	+14 14.6	4.316	5.292	2.7	20.4
10 8	0 43.16	+13 57.5	4.302	5.292	1.6	20.3
10 18	0 37.85	+13 36.7	4.319	5.291	2.6	20.4
10 28	0 33.00	+13 14.3	4.365	5.291	4.3	20.5
11 7	0 28.93	+12 52.7	4.440	5.290	6.0	20.6

128104 2003 QG_{4} 10 5.2 74°.31 2°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.23	+14 29.0	2.223	3.015	13.9	20.2
9 8	1 3.86	+14 26.2	2.152	3.030	11.1	20.1
9 18	0 57.71	+14 8.4	2.102	3.045	7.9	19.9
9 28	0 50.33	+13 36.9	2.078	3.060	4.6	19.7
10 8	0 42.49	+12 55.0	2.082	3.075	2.5	19.6
10 18	0 34.98	+12 7.2	2.114	3.089	4.5	19.8
10 28	0 28.59	+11 19.1	2.174	3.104	7.7	20.0
11 7	0 23.89	+10 36.0	2.260	3.119	10.7	20.2

70549 1999 TM_{135} 10 5.2 72°.98 0°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.81	+ 8 36.5	1.712	2.539	16.0	19.6
9 8	1 6.35	+ 8 27.6	1.643	2.547	12.4	19.3
9 18	0 59.59	+ 8 4.3	1.594	2.555	8.3	19.1
9 28	0 51.21	+ 7 29.5	1.570	2.563	3.8	18.9
10 8	0 42.17	+ 6 48.0	1.573	2.572	1.3	18.7
10 18	0 33.56	+ 6 5.8	1.604	2.580	5.7	19.0
10 28	0 26.39	+ 5 29.1	1.661	2.588	9.9	19.3
11 7	0 21.39	+ 5 3.1	1.742	2.596	13.6	19.6

5053 Chladni 10 5.2 215°.83 4°.1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.35	− 2 9.5	1.918	2.768	13.6	17.6
9 8	1 5.09	− 3 31.9	1.840	2.761	10.4	17.4
9 18	0 58.73	− 5 2.8	1.785	2.754	6.9	17.2
9 28	0 50.86	− 6 34.9	1.757	2.746	4.3	17.0
10 8	0 42.30	− 7 59.8	1.757	2.737	5.1	17.0
10 18	0 34.01	− 9 9.9	1.785	2.728	8.4	17.2
10 28	0 26.94	− 9 59.4	1.840	2.718	11.9	17.4
11 7	0 21.79	−10 25.9	1.916	2.707	15.0	17.6

343551 2010 FU_{25} 10 5.2 250°.49 1°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.28	+10 17.2	1.818	2.638	15.5	20.8
9 8	1 5.19	+10 3.3	1.736	2.636	12.2	20.5
9 18	0 58.88	+ 9 33.8	1.675	2.633	8.3	20.3
9 28	0 50.94	+ 8 51.0	1.638	2.630	4.0	20.0
10 8	0 42.27	+ 7 59.5	1.629	2.627	1.4	19.8
10 18	0 33.88	+ 7 5.5	1.648	2.624	5.5	20.1
10 28	0 26.80	+ 6 15.7	1.693	2.621	9.7	20.4
11 7	0 21.76	+ 5 36.1	1.762	2.618	13.4	20.6

470483 2008 BE_{13} 10 5.2 220°.25 1°.0/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.33	+ 3 55.0	1.716	2.550	15.6	22.3
9 8	1 9.23	+ 3 36.6	1.632	2.543	12.1	22.0
9 18	1 1.63	+ 3 7.1	1.570	2.536	7.9	21.8
9 28	0 52.15	+ 2 30.3	1.533	2.528	3.3	21.5
10 8	0 41.80	+ 1 51.6	1.523	2.520	2.0	21.4
10 18	0 31.73	+ 1 17.1	1.542	2.511	6.7	21.6
10 28	0 23.11	+ 0 52.7	1.587	2.502	11.1	21.9
11 7	0 16.79	+ 0 42.4	1.655	2.492	15.0	22.1

170043 2002 VJ_{42} 10 5.2 340°.40 7°.2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.11	−10 14.5	1.494	2.367	15.5	19.5
9 8	1 4.68	−11 14.2	1.428	2.357	12.2	19.3
9 18	0 58.71	−12 13.8	1.384	2.348	9.0	19.1
9 28	0 50.90	−13 4.1	1.363	2.340	7.2	18.9
10 8	0 42.30	−13 36.4	1.367	2.332	8.3	19.0
10 18	0 34.12	−13 44.7	1.395	2.326	11.4	19.2
10 28	0 27.49	−13 26.3	1.446	2.320	14.8	19.4
11 7	0 23.22	−12 42.5	1.516	2.315	18.0	19.6

232168 2002 EF_{3} 10 5.2 319°.85 6°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.06	+17 20.9	1.562	2.354	18.8	20.0
9 8	1 10.42	+18 32.4	1.473	2.344	15.7	19.7
9 18	1 2.81	+19 27.2	1.404	2.334	12.1	19.5
9 28	0 52.81	+20 1.5	1.358	2.325	8.4	19.3
10 8	0 41.53	+20 14.0	1.336	2.316	6.3	19.1
10 18	0 30.36	+20 6.6	1.340	2.307	7.7	19.2
10 28	0 20.78	+19 45.4	1.369	2.299	11.3	19.4
11 7	0 13.89	+19 18.9	1.421	2.292	15.1	19.6

394526 2007 TZ_{380} 10 5.2 317°.56 2°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.84	− 0 32.5	1.724	2.576	14.8	21.2
9 8	1 5.67	− 1 2.8	1.648	2.571	11.3	20.9
9 18	0 59.22	− 1 40.5	1.594	2.565	7.4	20.7
9 28	0 51.10	− 2 20.4	1.566	2.560	3.6	20.5
10 8	0 42.24	− 2 56.2	1.563	2.554	3.6	20.5
10 18	0 33.71	− 3 22.2	1.588	2.550	7.5	20.7
10 28	0 26.55	− 3 33.6	1.639	2.545	11.5	20.9
11 7	0 21.51	− 3 28.2	1.712	2.540	15.0	21.1

269060 2007 GZ_{32} 10 5.2 259°.79 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.81	+ 1 46.5	1.589	2.443	15.7	20.7
9 8	1 5.10	+ 0 46.9	1.513	2.436	12.0	20.5
9 18	0 58.95	− 0 25.2	1.458	2.430	7.8	20.2
9 28	0 51.01	− 1 43.3	1.428	2.423	3.7	19.9
10 8	0 42.27	− 2 58.8	1.425	2.416	3.9	19.9
10 18	0 33.86	− 4 3.0	1.448	2.409	8.1	20.2
10 28	0 26.89	− 4 48.9	1.497	2.402	12.4	20.4
11 7	0 22.17	− 5 12.9	1.567	2.395	16.1	20.6

510170 2011 AX_{46} 10 5.2 299°.31 4°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.06	+15 38.6	1.415	2.234	19.2	21.4
9 8	1 6.01	+15 55.4	1.321	2.213	15.7	21.1
9 18	1 0.03	+15 49.8	1.246	2.193	11.6	20.8
9 28	0 51.66	+15 20.6	1.191	2.173	7.1	20.5
10 8	0 41.98	+14 30.1	1.161	2.153	4.3	20.3
10 18	0 32.37	+13 24.6	1.155	2.133	7.0	20.4
10 28	0 24.32	+12 14.1	1.174	2.114	11.8	20.6
11 7	0 18.97	+11 9.3	1.215	2.095	16.5	20.8

286519 2002 CB_{46} 10 5.2 134°.26 1°.6/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.47	+14 25.6	2.030	2.828	14.8	20.5
9 8	1 4.23	+13 37.0	1.954	2.838	11.7	20.3
9 18	0 58.05	+12 29.4	1.899	2.849	8.1	20.1
9 28	0 50.53	+11 6.0	1.871	2.858	4.2	19.9
10 8	0 42.50	+ 9 32.5	1.871	2.868	1.7	19.8
10 18	0 34.83	+ 7 56.5	1.900	2.876	4.9	20.0
10 28	0 28.39	+ 6 26.0	1.958	2.885	8.6	20.3
11 7	0 23.78	+ 5 7.8	2.041	2.893	12.0	20.5

127118 2002 GF_{101} 10 5.2 54°.09 0°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.81	+ 6 39.8	2.020	2.851	13.7	19.8
9 8	1 2.91	+ 6 9.1	1.954	2.863	10.5	19.6
9 18	0 57.15	+ 5 26.9	1.910	2.875	6.9	19.4
9 28	0 50.14	+ 4 36.7	1.892	2.887	2.9	19.2
10 8	0 42.65	+ 3 43.9	1.902	2.899	1.3	19.1
10 18	0 35.53	+ 2 53.9	1.939	2.912	5.2	19.4
10 28	0 29.58	+ 2 12.2	2.005	2.924	8.9	19.6
11 7	0 25.37	+ 1 42.6	2.094	2.937	12.1	19.9

174096 2002 JJ_{12} 10 5.2 183°.75 0°.9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.01	+ 6 32.6	1.678	2.512	15.9	20.6
9 8	1 6.63	+ 5 41.2	1.601	2.513	12.3	20.4
9 18	0 59.87	+ 4 34.0	1.546	2.513	8.0	20.1
9 28	0 51.39	+ 3 16.1	1.517	2.513	3.3	19.8
10 8	0 42.17	+ 1 55.0	1.515	2.512	2.0	19.7
10 18	0 33.32	+ 0 39.1	1.541	2.510	6.7	20.0
10 28	0 25.91	− 0 23.6	1.593	2.508	11.1	20.3
11 7	0 20.72	− 1 8.1	1.668	2.505	14.9	20.5

197142 2003 UW_{250} 10 5.2 291°.99 1°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.06	+12 56.2	2.349	3.149	13.0	20.6
9 8	1 2.34	+12 47.8	2.250	3.135	10.4	20.4
9 18	0 56.86	+12 25.5	2.173	3.122	7.3	20.2
9 28	0 50.08	+11 50.5	2.122	3.108	4.0	20.0
10 8	0 42.66	+11 5.8	2.099	3.094	1.9	19.8
10 18	0 35.38	+10 15.7	2.104	3.080	4.5	19.9
10 28	0 29.03	+ 9 25.7	2.137	3.067	7.9	20.1
11 7	0 24.24	+ 8 41.2	2.196	3.053	11.0	20.3

294712 2008 BU_{21} 10 5.2 156°.20 0°.7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.91	+ 9 26.2	1.837	2.653	15.5	21.7
9 8	1 7.85	+ 9 4.2	1.762	2.660	12.1	21.5
9 18	1 0.55	+ 8 27.1	1.708	2.666	8.1	21.3
9 28	0 51.65	+ 7 37.8	1.679	2.672	3.7	21.0
10 8	0 42.09	+ 6 41.5	1.679	2.677	1.2	20.8
10 18	0 32.92	+ 5 44.6	1.707	2.682	5.6	21.2
10 28	0 25.14	+ 4 53.8	1.763	2.685	9.7	21.4
11 7	0 19.48	+ 4 14.6	1.842	2.689	13.3	21.6

117787 2005 GM_{123} 10 5.2 237°.11 0°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.83	+ 5 37.6	2.310	3.130	12.6	20.9
9 8	1 5.21	+ 5 9.6	2.212	3.116	9.7	20.7
9 18	0 58.73	+ 4 31.1	2.138	3.102	6.4	20.5
9 28	0 50.88	+ 3 45.1	2.091	3.086	2.7	20.2
10 8	0 42.37	+ 2 56.1	2.073	3.071	1.4	20.1
10 18	0 34.00	+ 2 9.0	2.085	3.054	5.2	20.4
10 28	0 26.61	+ 1 29.0	2.125	3.037	8.9	20.5
11 7	0 20.86	+ 1 0.1	2.189	3.020	12.1	20.7

399156 2014 FB_{11} 10 5.2 183°.64 0°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.19	+ 8 28.0	2.014	2.831	14.3	21.1
9 8	1 6.41	+ 8 18.9	1.933	2.831	11.2	20.9
9 18	0 59.57	+ 7 57.4	1.873	2.831	7.5	20.7
9 28	0 51.24	+ 7 25.7	1.838	2.831	3.5	20.4
10 8	0 42.25	+ 6 47.9	1.832	2.830	1.2	20.2
10 18	0 33.55	+ 6 8.9	1.855	2.830	5.2	20.5
10 28	0 26.06	+ 5 34.2	1.905	2.828	9.1	20.8
11 7	0 20.47	+ 5 8.4	1.980	2.827	12.5	21.0

355306 2007 RV_{277} 10 5.2 335°.44 10°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.83	−12 24.1	1.233	2.128	16.6	19.9
9 8	0 59.69	−14 29.6	1.167	2.105	13.5	19.6
9 18	0 55.80	−16 37.7	1.122	2.084	11.0	19.4
9 28	0 49.80	−18 33.7	1.100	2.064	10.5	19.3
10 8	0 42.78	−20 2.7	1.100	2.045	12.4	19.4
10 18	0 36.06	−20 54.4	1.120	2.027	15.7	19.5
10 28	0 30.98	−21 3.8	1.160	2.012	19.3	19.7
11 7	0 28.47	−20 32.8	1.215	1.998	22.5	19.9

2819 Ensor 10 5.2 4°.71 0°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.56	+ 5 42.5	1.344	2.203	17.8	15.2
9 8	1 3.69	+ 5 35.7	1.278	2.202	13.8	14.9
9 18	0 58.18	+ 5 14.7	1.233	2.203	9.1	14.7
9 28	0 50.73	+ 4 43.1	1.209	2.205	3.8	14.4
10 8	0 42.46	+ 4 7.3	1.210	2.209	1.6	14.2
10 18	0 34.64	+ 3 34.2	1.237	2.213	6.9	14.6
10 28	0 28.47	+ 3 10.5	1.287	2.219	11.7	14.9
11 7	0 24.78	+ 3 1.2	1.359	2.226	15.9	15.2

115674 2003 UY_{145} 10 5.2 69°.21 6°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.22	−11 26.4	1.689	2.545	14.9	18.8
9 8	1 8.78	−12 13.0	1.641	2.559	11.6	18.6
9 18	1 1.05	−12 56.3	1.616	2.574	8.5	18.5
9 28	0 51.81	−13 28.8	1.615	2.588	6.7	18.4
10 8	0 42.10	−13 44.1	1.640	2.602	7.5	18.5
10 18	0 33.04	−13 38.5	1.692	2.617	10.1	18.7
10 28	0 25.60	−13 11.1	1.768	2.631	13.1	18.9
11 7	0 20.41	−12 23.8	1.865	2.646	15.8	19.1

488150 2015 VB_{147} 10 5.2 280°.89 8°.4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.58	−20 16.9	2.309	3.155	11.7	21.6
9 8	1 3.52	−21 43.0	2.242	3.139	9.9	21.5
9 18	0 57.62	−23 2.8	2.198	3.122	8.7	21.4
9 28	0 50.40	−24 8.6	2.181	3.105	8.5	21.3
10 8	0 42.60	−24 53.8	2.188	3.089	9.6	21.4
10 18	0 35.03	−25 14.2	2.221	3.072	11.4	21.5
10 28	0 28.51	−25 8.3	2.275	3.055	13.4	21.6
11 7	0 23.68	−24 37.5	2.349	3.038	15.3	21.7

85204 1992 EX_5 10 5.2 176°.98 3°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.25	− 3 58.4	2.287	3.137	11.7	19.6
9 8	1 2.33	− 5 7.3	2.217	3.137	8.9	19.4
9 18	0 56.74	− 6 20.8	2.171	3.138	6.0	19.2
9 28	0 49.99	− 7 33.0	2.152	3.138	3.9	19.1
10 8	0 42.77	− 8 37.5	2.162	3.138	4.7	19.2
10 18	0 35.82	− 9 29.0	2.200	3.138	7.3	19.3
10 28	0 29.87	−10 3.6	2.265	3.138	10.2	19.5
11 7	0 25.47	−10 19.8	2.352	3.138	12.8	19.7

184002 2004 EO_{80} 10 5.2 164°.82 7°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.27	−11 8.1	1.790	2.646	14.1	20.3
9 8	1 7.36	−12 30.8	1.732	2.650	11.1	20.1
9 18	1 0.21	−13 52.6	1.697	2.653	8.4	19.9
9 28	0 51.50	−15 4.6	1.688	2.656	7.0	19.9
10 8	0 42.20	−15 58.5	1.706	2.659	8.1	20.0
10 18	0 33.37	−16 28.8	1.750	2.661	10.7	20.1
10 28	0 25.98	−16 33.0	1.817	2.662	13.6	20.3
11 7	0 20.73	−16 12.3	1.905	2.663	16.3	20.5

246496 2008 AO_{17} 10 5.2 113°.71 0°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.56	+ 9 23.7	3.273	4.075	9.6	21.2
9 8	0 59.79	+ 9 3.6	3.190	4.081	7.5	21.0
9 18	0 54.87	+ 8 34.9	3.133	4.087	5.0	20.9
9 28	0 49.14	+ 7 59.5	3.102	4.093	2.4	20.7
10 8	0 43.10	+ 7 20.2	3.102	4.099	0.8	20.6
10 18	0 37.23	+ 6 40.1	3.131	4.105	3.3	20.8
10 28	0 32.04	+ 6 2.6	3.190	4.111	5.9	21.0
11 7	0 27.93	+ 5 30.8	3.276	4.117	8.2	21.1

210338 2007 TQ_{381} 10 5.2 33°.64 1°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.43	+ 4 33.0	1.643	2.491	15.6	20.4
9 8	1 3.85	+ 3 50.2	1.576	2.496	11.9	20.2
9 18	0 58.02	+ 2 54.4	1.531	2.501	7.7	20.0
9 28	0 50.60	+ 1 51.0	1.510	2.506	3.2	19.7
10 8	0 42.55	+ 0 47.1	1.516	2.512	2.4	19.7
10 18	0 34.91	− 0 9.9	1.549	2.518	6.7	20.0
10 28	0 28.68	− 0 53.4	1.607	2.524	10.9	20.2
11 7	0 24.55	− 1 19.6	1.688	2.531	14.5	20.5

400405 2008 BU_{17} 10 5.2 312°.81 7°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.69	−11 33.5	1.793	2.660	13.7	20.6
9 8	1 3.21	−13 4.4	1.729	2.652	10.8	20.4
9 18	0 57.59	−14 35.1	1.688	2.644	8.3	20.2
9 28	0 50.43	−15 56.5	1.671	2.637	7.3	20.2
10 8	0 42.61	−16 59.8	1.681	2.630	8.6	20.2
10 18	0 35.13	−17 38.8	1.716	2.623	11.2	20.4
10 28	0 28.93	−17 50.3	1.774	2.616	14.0	20.5
11 7	0 24.72	−17 35.1	1.851	2.610	16.7	20.7

447251 2005 UD_{248} 10 5.3 0°.63 4°.8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.73	− 7 23.5	1.860	2.715	13.7	21.1
9 8	1 6.12	− 7 55.5	1.793	2.715	10.6	20.9
9 18	0 59.39	− 8 28.2	1.749	2.714	7.3	20.7
9 28	0 51.17	− 8 55.6	1.730	2.714	5.0	20.6
10 8	0 42.36	− 9 12.1	1.738	2.714	5.6	20.6
10 18	0 33.95	− 9 13.3	1.773	2.715	8.5	20.8
10 28	0 26.87	− 8 57.0	1.833	2.716	11.7	21.0
11 7	0 21.79	− 8 23.1	1.916	2.717	14.7	21.2

515596 2014 JQ_{40} 10 5.3 303°.54 13°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.83	−31 30.0	1.792	2.604	16.0	20.9
9 8	1 14.24	−32 32.5	1.737	2.591	14.5	20.8
9 18	1 4.84	−33 16.0	1.703	2.578	13.5	20.7
9 28	0 53.50	−33 30.2	1.690	2.566	13.4	20.7
10 8	0 41.49	−33 8.1	1.699	2.553	14.3	20.7
10 18	0 30.19	−32 7.8	1.731	2.541	15.9	20.8
10 28	0 20.81	−30 32.4	1.783	2.529	17.8	20.9
11 7	0 14.14	−28 28.3	1.852	2.518	19.6	21.0

411780 2012 CW_7 10 5.3 141°.28 4°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.82	− 7 46.5	2.740	3.586	10.1	21.9
9 8	1 1.69	− 9 2.1	2.679	3.595	7.7	21.8
9 18	0 56.17	−10 18.7	2.644	3.604	5.5	21.6
9 28	0 49.72	−11 31.0	2.638	3.613	4.3	21.6
10 8	0 42.91	−12 33.7	2.660	3.621	5.1	21.6
10 18	0 36.37	−13 22.5	2.711	3.629	7.1	21.8
10 28	0 30.69	−13 54.7	2.789	3.636	9.4	22.0
11 7	0 26.32	−14 9.4	2.890	3.643	11.4	22.1

441317 2008 AF_{127} 10 5.3 193°.31 5°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.30	+20 53.9	2.299	3.049	14.7	21.1
9 8	1 7.24	+21 27.0	2.207	3.048	12.3	20.9
9 18	1 0.15	+21 43.4	2.136	3.046	9.6	20.7
9 28	0 51.54	+21 41.6	2.089	3.045	6.9	20.5
10 8	0 42.19	+21 22.3	2.069	3.043	5.1	20.4
10 18	0 33.03	+20 48.4	2.078	3.041	5.8	20.5
10 28	0 24.97	+20 5.0	2.114	3.038	8.3	20.6
11 7	0 18.74	+19 18.6	2.176	3.035	11.0	20.8

23685 Toaldo 10 5.3 283°.33 6°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.97	− 9 3.3	1.781	2.637	14.2	19.3
9 8	1 7.40	− 9 53.2	1.699	2.619	11.1	19.0
9 18	1 0.45	−10 44.2	1.639	2.601	8.1	18.8
9 28	0 51.71	−11 28.9	1.604	2.583	6.1	18.7
10 8	0 42.13	−11 59.9	1.596	2.565	7.0	18.7
10 18	0 32.79	−12 11.5	1.614	2.546	10.0	18.8
10 28	0 24.79	−12 0.5	1.657	2.528	13.4	19.0
11 7	0 18.95	−11 26.9	1.721	2.509	16.6	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
236396 2006 DV_{43}		10 5.3 6°.33 13°.3/17.4 18				
	h m	° ′			°	m
8 29	0 57.95	−12 42.9	1.099	2.004	17.4	18.4
9 8	0 57.60	−17 50.9	1.066	2.004	14.4	18.3
9 18	0 54.44	−22 55.9	1.059	2.006	13.3	18.2
9 28	0 49.20	−27 28.5	1.080	2.009	14.6	18.3
10 8	0 43.10	−31 6.0	1.125	2.014	17.4	18.5
10 18	0 37.49	−33 37.4	1.190	2.020	20.5	18.7
10 28	0 33.64	−35 3.1	1.271	2.028	23.1	19.0
11 7	0 32.38	−35 31.4	1.364	2.037	25.2	19.2
84339 Francescaballi		10 5.3 289°.17 4°.4/ 9.6 18				
8 29	1 6.89	+19 35.5	1.908	2.689	16.3	19.7
9 8	1 3.60	+19 31.7	1.802	2.667	13.5	19.5
9 18	0 58.05	+19 5.8	1.716	2.646	10.3	19.2
9 28	0 50.73	+18 17.0	1.653	2.624	6.8	19.0
10 8	0 42.49	+17 7.8	1.616	2.603	4.5	18.8
10 18	0 34.34	+15 43.6	1.607	2.581	5.8	18.9
10 28	0 27.34	+14 13.0	1.624	2.559	9.4	19.0
11 7	0 22.36	+12 45.3	1.666	2.538	13.2	19.2
228090 2008 RE_{127}		10 5.3 329°.83 1°.8/ 8.8 18				
8 29	1 0.23	+15 59.1	4.398	5.163	7.9	20.2
9 8	0 57.05	+15 49.3	4.302	5.162	6.4	20.1
9 18	0 53.00	+15 31.1	4.231	5.161	4.7	20.0
9 28	0 48.35	+15 5.1	4.186	5.161	2.9	19.9
10 8	0 43.45	+14 33.1	4.171	5.160	1.8	19.8
10 18	0 38.65	+13 57.0	4.186	5.159	2.6	19.9
10 28	0 34.32	+13 19.5	4.231	5.159	4.4	20.0
11 7	0 30.77	+12 43.2	4.304	5.158	6.1	20.1
172944 2005 JS_{104}		10 5.3 69°.61 4°.3/ 1.4 18				
8 29	1 9.90	− 4 28.5	1.799	2.655	14.1	19.7
9 8	1 5.46	− 5 19.3	1.741	2.664	10.8	19.5
9 18	0 58.93	− 6 13.9	1.705	2.674	7.2	19.3
9 28	0 50.97	− 7 5.6	1.695	2.683	4.5	19.2
10 8	0 42.49	− 7 47.8	1.712	2.693	5.2	19.2
10 18	0 34.47	− 8 15.0	1.757	2.703	8.2	19.5
10 28	0 27.82	− 8 23.9	1.826	2.712	11.6	19.7
11 7	0 23.18	− 8 13.8	1.918	2.722	14.5	19.9
154942 2004 TH_{58}		10 5.3 54°.02 0°.2/ 5.1 18				
8 29	1 11.85	+ 6 9.3	1.432	2.277	17.6	20.3
9 8	1 7.42	+ 5 54.2	1.378	2.293	13.6	20.1
9 18	1 0.41	+ 5 25.1	1.343	2.310	8.9	19.9
9 28	0 51.63	+ 4 46.1	1.332	2.327	3.7	19.6
10 8	0 42.25	+ 4 3.6	1.347	2.345	1.5	19.5
10 18	0 33.49	+ 3 24.5	1.388	2.363	6.6	19.9
10 28	0 26.48	+ 2 55.2	1.455	2.381	11.1	20.2
11 7	0 21.93	+ 2 40.0	1.544	2.399	15.0	20.5
27908 1996 TX_{9}		10 5.3 280°.62 1°.2/ 6.6 18				
8 29	1 6.86	+11 15.0	2.032	2.847	14.3	18.7
9 8	1 3.19	+10 52.5	1.943	2.839	11.3	18.5
9 18	0 57.54	+10 14.6	1.876	2.832	7.7	18.3
9 28	0 50.44	+ 9 23.3	1.834	2.824	3.8	18.0
10 8	0 42.67	+ 8 23.2	1.819	2.816	1.4	17.8
10 18	0 35.11	+ 7 20.1	1.832	2.809	5.0	18.1
10 28	0 28.67	+ 6 20.7	1.873	2.801	8.9	18.3
11 7	0 24.01	+ 5 30.9	1.939	2.794	12.4	18.5
73656 1981 EW_{12}		10 5.3 81°.98 3°.6/ 7.9 18				
8 29	1 13.44	+14 9.0	1.437	2.252	19.1	19.3
9 8	1 9.00	+14 27.7	1.366	2.257	15.4	19.1
9 18	1 1.71	+14 26.0	1.313	2.262	11.0	18.9
9 28	0 52.31	+14 3.9	1.283	2.267	6.4	18.6
10 8	0 41.98	+13 25.0	1.278	2.272	3.6	18.5
10 18	0 32.10	+12 35.6	1.300	2.277	6.5	18.7
10 28	0 23.99	+11 44.4	1.346	2.282	11.0	18.9
11 7	0 18.56	+11 0.0	1.416	2.287	15.1	19.2
177971 2006 QC		10 5.3 28°.19 2°.8/ 3.5 18				
8 29	1 10.50	+ 1 22.6	1.140	2.012	19.3	19.8
9 8	1 7.03	+ 0 51.1	1.086	2.019	14.8	19.5
9 18	1 0.49	+ 0 7.4	1.052	2.027	9.6	19.3
9 28	0 51.77	− 0 41.2	1.039	2.035	4.3	19.0
10 8	0 42.22	− 1 25.8	1.050	2.044	3.9	19.0
10 18	0 33.36	− 1 58.0	1.085	2.054	8.9	19.3
10 28	0 26.55	− 2 11.5	1.143	2.065	13.9	19.7
11 7	0 22.62	− 2 4.0	1.220	2.076	18.1	20.0
21593 1998 VL_{27}		10 5.3 317°.46 0°.9/ 6.8 18 R				
8 29	1 0.74	+10 44.1	4.125	4.918	8.0	18.7
9 8	0 57.48	+10 30.6	4.032	4.915	6.2	18.6
9 18	0 53.31	+10 9.9	3.963	4.912	4.3	18.4
9 28	0 48.51	+ 9 43.3	3.921	4.909	2.2	18.3
10 8	0 43.44	+ 9 12.6	3.910	4.907	0.9	18.2
10 18	0 38.47	+ 8 40.3	3.929	4.904	2.7	18.3
10 28	0 33.99	+ 8 8.8	3.977	4.901	4.7	18.5
11 7	0 30.33	+ 7 40.6	4.053	4.898	6.7	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
195402 2002 GV_{21}		10 5.3 156°.80 2°.5/ 8.4 16				
	h m	° ′			°	m
8 29	1 9.44	+16 59.5	2.383	3.157	13.6	21.4
9 8	1 4.77	+16 29.6	2.299	3.165	11.0	21.2
9 18	0 58.36	+15 42.6	2.237	3.173	7.9	21.0
9 28	0 50.73	+14 39.7	2.201	3.180	4.7	20.8
10 8	0 42.61	+13 25.1	2.194	3.186	2.5	20.7
10 18	0 34.78	+12 4.2	2.217	3.192	4.4	20.8
10 28	0 28.02	+10 43.6	2.269	3.197	7.6	21.0
11 7	0 22.89	+ 9 29.7	2.348	3.201	10.5	21.2
161512 2004 RD_{190}		10 5.3 38°.47 3°.9/ 8.9 18				
8 29	1 10.50	+16 17.6	2.031	2.817	15.2	19.7
9 8	1 5.96	+16 45.5	1.953	2.823	12.4	19.5
9 18	0 59.34	+16 57.5	1.896	2.829	9.2	19.4
9 28	0 51.21	+16 53.2	1.862	2.836	5.9	19.2
10 8	0 42.42	+16 34.4	1.856	2.843	3.9	19.1
10 18	0 33.92	+16 4.7	1.877	2.850	5.4	19.2
10 28	0 26.65	+15 29.8	1.926	2.857	8.5	19.4
11 7	0 21.31	+14 55.6	2.000	2.865	11.6	19.6
398858 2013 CL_{51}		10 5.3 265°.31 1°.8/ 3.4 18				
8 29	1 7.19	+ 2 56.3	1.961	2.804	13.6	21.6
9 8	1 3.41	+ 2 8.0	1.882	2.800	10.4	21.4
9 18	0 57.66	+ 1 9.2	1.826	2.796	6.7	21.1
9 28	0 50.48	+ 0 4.7	1.796	2.792	2.9	20.9
10 8	0 42.70	− 0 59.1	1.794	2.787	2.7	20.9
10 18	0 35.18	− 1 55.7	1.819	2.783	6.4	21.1
10 28	0 28.82	− 2 39.4	1.872	2.779	10.2	21.3
11 7	0 24.27	− 3 6.7	1.948	2.775	13.5	21.5
212286 2005 LX_{32}		10 5.3 37°.60 0°.8/ 4.5 18				
8 29	1 7.39	+ 5 50.7	1.754	2.594	15.1	20.6
9 8	1 3.71	+ 5 13.2	1.684	2.599	11.6	20.4
9 18	0 57.91	+ 4 22.7	1.636	2.604	7.5	20.2
9 28	0 50.59	+ 3 23.5	1.613	2.609	3.1	19.9
10 8	0 42.67	+ 2 22.0	1.617	2.615	1.8	19.9
10 18	0 35.13	+ 1 25.2	1.649	2.620	6.1	20.2
10 28	0 28.90	+ 0 39.5	1.707	2.626	10.2	20.4
11 7	0 24.67	+ 0 9.0	1.788	2.632	13.7	20.7
314900 2006 VB_{89}		10 5.3 332°.74 6°.7/29.1 18				
8 29	1 7.41	− 9 52.5	1.679	2.547	14.3	19.9
9 8	1 3.92	−11 0.1	1.612	2.538	11.3	19.7
9 18	0 58.15	−12 8.2	1.566	2.529	8.3	19.5
9 28	0 50.73	−13 8.5	1.546	2.521	6.7	19.4
10 8	0 42.61	−13 52.6	1.550	2.513	7.8	19.4
10 18	0 34.84	−14 14.6	1.580	2.506	10.7	19.6
10 28	0 28.44	−14 11.3	1.633	2.499	13.9	19.7
11 7	0 24.14	−13 43.3	1.706	2.493	16.8	19.9
380781 2005 UN_{513}		10 5.3 263°.70 0°.5/ 6.0 16				
8 29	1 3.66	+ 8 42.4	3.386	4.190	9.3	22.5
9 8	0 59.94	+ 8 25.0	3.285	4.177	7.3	22.3
9 18	0 55.04	+ 7 59.5	3.207	4.163	4.9	22.1
9 28	0 49.29	+ 7 27.4	3.158	4.150	2.3	21.9
10 8	0 43.16	+ 6 51.5	3.138	4.136	0.7	21.8
10 18	0 37.12	+ 6 14.6	3.148	4.122	3.3	22.0
10 28	0 31.69	+ 5 40.0	3.188	4.109	5.9	22.2
11 7	0 27.30	+ 5 10.7	3.255	4.095	8.3	22.3
449274 2013 EM_{38}		10 5.3 91°.18 1°.7/ 3.5 18				
8 29	1 10.32	+ 0 51.3	2.193	3.028	12.7	21.7
9 8	1 5.42	+ 0 27.2	2.129	3.042	9.6	21.5
9 18	0 58.74	− 0 3.1	2.088	3.056	6.2	21.3
9 28	0 50.88	− 0 35.7	2.075	3.069	2.8	21.1
10 8	0 42.59	− 1 6.0	2.089	3.083	2.5	21.1
10 18	0 34.67	− 1 29.9	2.133	3.096	5.7	21.4
10 28	0 27.91	− 1 43.8	2.205	3.109	9.0	21.6
11 7	0 22.84	− 1 45.7	2.300	3.122	11.9	21.8
179652 2002 PJ_{171}		10 5.3 188°.65 0°.9/ 4.5 17				
8 29	1 13.10	+ 4 55.5	1.726	2.559	15.6	21.2
9 8	1 8.23	+ 4 28.6	1.648	2.559	12.0	21.0
9 18	1 0.97	+ 3 49.4	1.592	2.558	7.9	20.7
9 28	0 51.96	+ 3 1.9	1.561	2.557	3.3	20.4
10 8	0 42.18	+ 2 12.1	1.558	2.555	1.9	20.3
10 18	0 32.76	+ 1 26.5	1.583	2.553	6.5	20.6
10 28	0 24.78	+ 0 51.4	1.634	2.550	10.8	20.9
11 7	0 19.02	+ 0 30.9	1.709	2.547	14.5	21.1
378608 2008 EW_{157}		10 5.3 226°.12 3°.7/ 2.4 18				
8 29	1 12.96	− 1 54.4	1.549	2.404	16.0	21.3
9 8	1 8.35	− 2 36.0	1.478	2.401	12.3	21.1
9 18	1 1.15	− 3 25.1	1.428	2.398	8.1	20.8
9 28	0 52.06	− 4 15.1	1.402	2.394	4.4	20.6
10 8	0 42.15	− 4 58.1	1.403	2.391	4.7	20.6
10 18	0 32.65	− 5 27.5	1.430	2.387	8.6	20.9
10 28	0 24.74	− 5 38.4	1.483	2.383	12.8	21.1
11 7	0 19.24	− 5 29.1	1.556	2.379	16.5	21.3

462931 2011 BD_{37} 10 5.3 288°.47 5°.4/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.44	+22 38.4	2.355	3.100	14.5	21.3
9 8	1 4.36	+23 6.5	2.254	3.088	12.3	21.1
9 18	0 58.34	+23 17.0	2.173	3.077	9.7	21.0
9 28	0 50.85	+23 8.6	2.115	3.065	7.2	20.8
10 8	0 42.61	+22 41.7	2.084	3.053	5.5	20.7
10 18	0 34.46	+21 59.1	2.081	3.042	6.0	20.7
10 28	0 27.32	+21 6.0	2.104	3.030	8.2	20.8
11 7	0 21.88	+20 9.2	2.154	3.019	10.9	20.9

401588 2013 GL_{9} 10 5.3 63°.35 0°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.88	+ 8 5.5	2.019	2.843	14.0	21.1
9 8	1 3.71	+ 7 36.6	1.958	2.862	10.8	20.9
9 18	0 57.71	+ 6 55.3	1.919	2.881	7.1	20.7
9 28	0 50.47	+ 6 5.0	1.906	2.900	3.1	20.5
10 8	0 42.80	+ 5 11.0	1.921	2.919	1.0	20.4
10 18	0 35.54	+ 4 18.8	1.965	2.939	5.0	20.7
10 28	0 29.49	+ 3 33.9	2.036	2.958	8.6	21.0
11 7	0 25.20	+ 3 0.4	2.131	2.977	11.8	21.2

130529 2000 QY_{200} 10 5.3 64°.21 3°.1/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.61	+ 1 38.8	1.192	2.058	19.1	19.1
9 8	1 8.35	+ 0 43.2	1.147	2.077	14.5	18.9
9 18	1 1.17	− 0 24.7	1.122	2.096	9.3	18.7
9 28	0 52.01	− 1 36.4	1.119	2.115	4.3	18.5
10 8	0 42.25	− 2 41.6	1.142	2.134	4.3	18.5
10 18	0 33.30	− 3 31.4	1.189	2.153	8.9	18.8
10 28	0 26.41	− 3 59.8	1.259	2.173	13.6	19.2
11 7	0 22.30	− 4 4.9	1.350	2.192	17.5	19.5

220757 2004 TH_{101} 10 5.3 92°.82 1°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.54	+ 4 3.0	2.247	3.079	12.5	21.2
9 8	1 3.36	+ 3 32.4	2.174	3.085	9.6	21.1
9 18	0 57.46	+ 2 53.0	2.125	3.091	6.2	20.9
9 28	0 50.38	+ 2 8.3	2.102	3.097	2.6	20.6
10 8	0 42.83	+ 1 23.1	2.107	3.103	1.7	20.6
10 18	0 35.57	+ 0 42.2	2.142	3.110	5.2	20.9
10 28	0 29.36	+ 0 10.0	2.204	3.116	8.6	21.1
11 7	0 24.75	− 0 10.3	2.290	3.122	11.6	21.3

470288 2007 EW_{134} 10 5.3 278°.90 0°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.60	+ 6 39.7	1.639	2.467	16.6	21.3
9 8	1 10.68	+ 6 56.3	1.541	2.446	13.1	21.0
9 18	1 2.96	+ 7 1.6	1.463	2.424	8.9	20.8
9 28	0 52.99	+ 6 57.0	1.410	2.403	4.1	20.4
10 8	0 41.79	+ 6 45.5	1.383	2.381	1.4	20.2
10 18	0 30.63	+ 6 31.7	1.384	2.359	6.5	20.5
10 28	0 20.88	+ 6 21.3	1.411	2.337	11.4	20.7
11 7	0 13.60	+ 6 19.4	1.462	2.315	15.7	20.9

12938 4161 P–L 10 5.3 252°.79 2°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.35	+12 51.1	2.031	2.830	14.8	19.2
9 8	1 6.77	+12 58.6	1.934	2.818	11.9	19.0
9 18	1 0.02	+12 51.2	1.859	2.805	8.4	18.8
9 28	0 51.60	+12 29.7	1.808	2.793	4.7	18.5
10 8	0 42.35	+11 56.5	1.785	2.779	2.4	18.3
10 18	0 33.23	+11 16.1	1.790	2.766	5.2	18.5
10 28	0 25.27	+10 34.5	1.823	2.752	9.0	18.7
11 7	0 19.23	+ 9 57.5	1.881	2.738	12.6	18.9

80838 2000 DJ_{12} 10 5.3 0°.33 1°.9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.97	+ 5 42.9	1.147	2.022	19.1	18.4
9 8	1 1.35	+ 4 39.3	1.085	2.019	14.6	18.1
9 18	0 56.89	+ 3 14.8	1.042	2.018	9.5	17.8
9 28	0 50.32	+ 1 37.4	1.020	2.017	3.9	17.5
10 8	0 42.86	− 0 1.3	1.022	2.018	3.3	17.5
10 18	0 35.87	− 1 28.7	1.048	2.020	8.7	17.8
10 28	0 30.66	− 2 34.4	1.097	2.023	13.9	18.1
11 7	0 28.10	− 3 12.7	1.165	2.027	18.3	18.4

38435 1999 RA_{241} 10 5.3 309°.68 7°.2/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.13	−12 42.6	2.018	2.881	12.5	18.3
9 8	1 1.83	−14 24.5	1.954	2.873	10.0	18.1
9 18	0 56.64	−16 5.6	1.914	2.865	7.9	18.0
9 28	0 50.09	−17 37.2	1.900	2.858	7.3	17.9
10 8	0 42.95	−18 51.1	1.912	2.850	8.5	18.0
10 18	0 36.08	−19 41.4	1.951	2.843	10.8	18.1
10 28	0 30.33	−20 5.0	2.012	2.836	13.4	18.3
11 7	0 26.33	−20 2.3	2.093	2.829	15.7	18.4

286699 2002 FV_{41} 10 5.3 138°.19 1°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.11	+ 1 37.5	2.389	3.220	11.9	20.9
9 8	1 4.45	+ 1 12.8	2.314	3.225	9.0	20.8
9 18	0 58.13	+ 0 41.6	2.263	3.230	5.8	20.6
9 28	0 50.67	+ 0 7.4	2.240	3.234	2.5	20.4
10 8	0 42.74	− 0 25.6	2.245	3.239	2.1	20.4
10 18	0 35.10	− 0 53.3	2.280	3.243	5.3	20.6
10 28	0 28.46	− 1 12.1	2.342	3.248	8.5	20.8
11 7	0 23.38	− 1 19.6	2.430	3.251	11.3	21.0

472503 2015 CD_{27} 10 5.3 101°.45 1°.4/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.00	+10 49.9	1.611	2.431	17.1	22.4
9 8	1 8.17	+10 34.1	1.547	2.446	13.4	22.2
9 18	1 0.89	+10 0.9	1.504	2.461	9.1	22.0
9 28	0 51.91	+ 9 13.1	1.485	2.476	4.4	21.7
10 8	0 42.29	+ 8 16.3	1.492	2.490	1.6	21.6
10 18	0 33.21	+ 7 17.6	1.527	2.504	5.8	21.9
10 28	0 25.73	+ 6 24.6	1.589	2.518	10.1	22.2
11 7	0 20.58	+ 5 43.4	1.674	2.531	13.9	22.4

384849 2012 SO_{14} 10 5.3 128°.15 3°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.44	+14 38.1	1.964	2.752	15.6	20.6
9 8	1 9.00	+14 54.8	1.888	2.763	12.6	20.4
9 18	1 1.34	+14 55.6	1.834	2.773	9.1	20.2
9 28	0 52.10	+14 40.5	1.804	2.784	5.4	20.0
10 8	0 42.20	+14 12.3	1.802	2.793	3.2	19.9
10 18	0 32.67	+13 35.2	1.829	2.803	5.3	20.1
10 28	0 24.50	+12 55.4	1.883	2.812	8.8	20.3
11 7	0 18.41	+12 18.9	1.963	2.820	12.1	20.5

461144 2015 TU_{110} 10 5.3 207°.11 0°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.83	+10 56.3	2.482	3.289	12.2	21.6
9 8	1 1.23	+10 16.1	2.395	3.288	9.5	21.4
9 18	0 56.07	+ 9 22.4	2.331	3.287	6.4	21.2
9 28	0 49.80	+ 8 18.0	2.294	3.285	3.0	21.0
10 8	0 43.07	+ 7 7.4	2.286	3.284	1.0	20.8
10 18	0 36.54	+ 5 55.9	2.307	3.282	4.3	21.1
10 28	0 30.91	+ 4 49.1	2.357	3.280	7.6	21.3
11 7	0 26.71	+ 3 51.9	2.433	3.279	10.5	21.5

253522 2003 SS_{181} 10 5.3 1°.97 2°.3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.95	+ 3 52.8	1.137	2.010	19.3	20.0
9 8	1 4.47	+ 3 4.8	1.075	2.009	14.8	19.7
9 18	0 58.97	+ 1 59.4	1.032	2.008	9.6	19.4
9 28	0 51.23	+ 0 44.1	1.011	2.008	4.1	19.1
10 8	0 42.54	− 0 30.6	1.014	2.009	3.5	19.1
10 18	0 34.37	− 1 33.8	1.040	2.011	8.9	19.4
10 28	0 28.12	− 2 16.6	1.088	2.013	14.1	19.7
11 7	0 24.69	− 2 34.5	1.157	2.017	18.5	20.0

86783 2000 GX_{93} 10 5.3 194°.96 3°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.95	− 0 6.4	1.883	2.731	13.9	20.1
9 8	1 4.84	− 1 34.9	1.808	2.729	10.6	19.8
9 18	0 58.65	− 3 13.9	1.757	2.727	6.9	19.6
9 28	0 50.96	− 4 55.8	1.733	2.724	3.9	19.4
10 8	0 42.64	− 6 31.9	1.737	2.721	4.7	19.5
10 18	0 34.63	− 7 53.8	1.770	2.717	8.1	19.7
10 28	0 27.85	− 8 55.3	1.829	2.713	11.7	19.9
11 7	0 23.00	− 9 33.6	1.910	2.708	14.8	20.1

402472 2006 BO_{201} 10 5.3 87°.51 0°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.33	+ 5 21.9	2.319	3.145	12.3	21.8
9 8	1 3.17	+ 4 57.0	2.244	3.151	9.5	21.6
9 18	0 57.33	+ 4 22.8	2.192	3.156	6.2	21.4
9 28	0 50.34	+ 3 42.4	2.167	3.162	2.6	21.2
10 8	0 42.88	+ 3 0.1	2.170	3.167	1.3	21.1
10 18	0 35.70	+ 2 20.5	2.202	3.173	4.9	21.3
10 28	0 29.52	+ 1 48.0	2.262	3.178	8.2	21.6
11 7	0 24.90	+ 1 26.0	2.348	3.184	11.2	21.8

298248 2002 VE_{52} 10 5.3 327°.64 3°.9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.12	− 2 7.4	1.629	2.492	15.0	19.8
9 8	1 3.80	− 2 59.0	1.554	2.482	11.5	19.5
9 18	0 58.16	− 3 58.5	1.501	2.473	7.6	19.3
9 28	0 50.81	− 4 59.0	1.472	2.464	4.3	19.1
10 8	0 42.69	− 5 52.6	1.469	2.455	4.9	19.1
10 18	0 34.87	− 6 32.2	1.492	2.447	8.6	19.3
10 28	0 28.42	− 6 52.6	1.540	2.439	12.5	19.5
11 7	0 24.10	− 6 51.6	1.609	2.432	16.0	19.7

223910 2004 VN_{64} 10 5.3 337°.55 2°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.71	+16 31.4	2.094	2.887	14.6	19.8
9 8	1 1.53	+16 12.0	2.005	2.883	11.8	19.6
9 18	0 56.46	+15 33.9	1.938	2.879	8.6	19.4
9 28	0 50.03	+14 38.4	1.895	2.875	5.1	19.2
10 8	0 42.98	+13 29.4	1.879	2.871	2.8	19.1
10 18	0 36.17	+12 12.7	1.891	2.868	4.8	19.2
10 28	0 30.42	+10 55.5	1.931	2.865	8.2	19.4
11 7	0 26.39	+ 9 44.8	1.996	2.862	11.5	19.6

311121 2004 PC_{47} 10 5.3 53°.51 2°.3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.87	+ 2 43.5	1.125	1.992	19.9	20.5
9 8	1 8.88	+ 2 9.9	1.074	2.003	15.2	20.3
9 18	1 1.73	+ 1 22.4	1.040	2.014	9.8	20.0
9 28	0 52.35	+ 0 28.0	1.029	2.026	4.2	19.8
10 8	0 42.17	− 0 23.9	1.042	2.038	3.4	19.8
10 18	0 32.75	− 1 4.5	1.080	2.050	8.7	20.1
10 28	0 25.47	− 1 26.7	1.140	2.062	13.8	20.4
11 7	0 21.18	− 1 27.7	1.220	2.075	18.1	20.8

374829 2006 UA_{222} 10 5.3 33°.02 3°.8/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.54	+14 26.2	1.105	1.947	21.9	20.2
9 8	1 6.50	+14 40.3	1.053	1.959	17.6	20.0
9 18	1 0.27	+14 28.5	1.017	1.973	12.5	19.8
9 28	0 51.76	+13 51.8	1.001	1.987	7.2	19.5
10 8	0 42.38	+12 55.9	1.008	2.003	3.8	19.4
10 18	0 33.71	+11 50.4	1.039	2.019	7.1	19.6
10 28	0 27.17	+10 46.5	1.093	2.036	12.0	20.0
11 7	0 23.61	+ 9 53.9	1.167	2.054	16.5	20.3

223174 2002 YF_{22} 10 5.3 229°.08 0°.2/ 5.5 18

8 29	1 11.81	+ 8 4.1	2.023	2.840	14.2	21.5
9 8	1 7.06	+ 7 39.5	1.928	2.828	11.1	21.3
9 18	1 0.17	+ 7 1.4	1.856	2.816	7.5	21.0
9 28	0 51.67	+ 6 12.3	1.809	2.802	3.3	20.7
10 8	0 42.37	+ 5 17.1	1.790	2.788	1.1	20.6
10 18	0 33.24	+ 4 21.6	1.801	2.774	5.5	20.8
10 28	0 25.27	+ 3 32.2	1.839	2.758	9.6	21.1
11 7	0 19.21	+ 2 54.2	1.902	2.742	13.2	21.3

339155 2004 TT_{44} 10 5.3 24°.90 0°.2/ 5.4 18

8 29	1 10.23	+ 6 30.7	1.317	2.169	18.5	20.4
9 8	1 6.55	+ 6 28.6	1.257	2.177	14.3	20.2
9 18	1 0.09	+ 6 11.5	1.217	2.185	9.5	19.9
9 28	0 51.64	+ 5 43.0	1.198	2.194	4.1	19.7
10 8	0 42.42	+ 5 9.0	1.205	2.203	1.4	19.5
10 18	0 33.74	+ 4 36.5	1.237	2.214	6.8	19.9
10 28	0 26.87	+ 4 12.3	1.293	2.225	11.7	20.2
11 7	0 22.62	+ 4 1.4	1.371	2.237	15.8	20.5

5197 Rottmann 10 5.3 24°.82 1°.9/ 3.7 18

8 29	1 11.43	− 0 2.1	1.845	2.689	14.3	16.7
9 8	1 6.70	− 0 9.3	1.776	2.694	10.9	16.5
9 18	0 59.83	− 0 22.4	1.730	2.699	7.1	16.3
9 28	0 51.45	− 0 37.5	1.710	2.705	3.2	16.0
10 8	0 42.49	− 0 50.0	1.717	2.711	2.7	16.0
10 18	0 33.93	− 0 55.8	1.751	2.717	6.5	16.3
10 28	0 26.71	− 0 51.4	1.813	2.724	10.2	16.5
11 7	0 21.51	− 0 34.9	1.898	2.731	13.5	16.8

520470 2014 KF_{109} 10 5.3 175°.66 4°.8/29.9 18

8 29	1 8.71	− 7 22.3	2.195	3.045	12.1	21.9
9 8	1 4.31	− 8 29.2	2.128	3.047	9.3	21.7
9 18	0 58.13	− 9 38.0	2.085	3.048	6.6	21.5
9 28	0 50.70	−10 42.4	2.070	3.049	4.9	21.4
10 8	0 42.77	−11 35.8	2.082	3.049	5.7	21.5
10 18	0 35.15	−12 13.4	2.122	3.049	8.2	21.6
10 28	0 28.63	−12 32.0	2.188	3.049	11.0	21.8
11 7	0 23.78	−12 30.9	2.276	3.049	13.5	22.0

293455 2007 EB_{191} 10 5.3 1°.90 0°.4/ 4.8 18

8 29	1 4.85	+ 7 13.5	2.070	2.901	13.4	19.9
9 8	1 1.53	+ 6 27.7	1.992	2.901	10.3	19.7
9 18	0 56.40	+ 5 28.8	1.936	2.901	6.8	19.5
9 28	0 49.99	+ 4 20.8	1.906	2.901	2.8	19.2
10 8	0 43.03	+ 3 9.5	1.904	2.901	1.4	19.1
10 18	0 36.34	+ 2 1.3	1.930	2.902	5.3	19.4
10 28	0 30.72	+ 1 2.3	1.984	2.903	9.0	19.6
11 7	0 26.77	+ 0 17.2	2.062	2.904	12.3	19.8

402842 2007 MX_{6} 10 5.3 108°.35 3°.1/ 1.3 18

8 29	1 4.83	− 1 25.0	2.401	3.247	11.3	21.2
9 8	1 1.18	− 2 39.5	2.334	3.254	8.6	21.0
9 18	0 56.00	− 4 0.1	2.291	3.260	5.6	20.8
9 28	0 49.77	− 5 21.2	2.276	3.266	3.3	20.7
10 8	0 43.12	− 6 36.5	2.290	3.272	3.9	20.7
10 18	0 36.74	− 7 40.6	2.333	3.278	6.6	20.9
10 28	0 31.30	− 8 29.2	2.403	3.283	9.4	21.1
11 7	0 27.29	− 9 0.3	2.496	3.289	11.9	21.3

290692 2005 UN_{368} 10 5.3 37°.08 3°.2/ 2.2 18

8 29	1 8.40	− 2 24.5	1.950	2.801	13.4	20.7
9 8	1 4.26	− 3 4.9	1.884	2.806	10.2	20.5
9 18	0 58.17	− 3 50.5	1.841	2.811	6.7	20.3
9 28	0 50.73	− 4 35.7	1.824	2.816	3.7	20.1
10 8	0 42.77	− 5 14.7	1.835	2.821	4.1	20.1
10 18	0 35.17	− 5 42.4	1.873	2.826	7.2	20.3
10 28	0 28.78	− 5 55.2	1.937	2.832	10.6	20.6
11 7	0 24.23	− 5 51.4	2.023	2.837	13.5	20.8

435794 2008 UA_{360} 10 5.3 14°.62 2°.4/ 7.2 18

8 29	1 7.97	+12 23.9	1.430	2.262	18.3	20.5
9 8	1 4.76	+12 22.1	1.361	2.265	14.6	20.3
9 18	0 58.93	+12 0.1	1.311	2.268	10.2	20.0
9 28	0 51.17	+11 19.8	1.283	2.272	5.4	19.8
10 8	0 42.59	+10 26.1	1.279	2.276	2.4	19.6
10 18	0 34.43	+ 9 26.7	1.302	2.281	6.1	19.8
10 28	0 27.89	+ 8 30.4	1.349	2.287	10.8	20.1
11 7	0 23.79	+ 7 44.8	1.419	2.293	14.9	20.4

100281 1995 BX_{7} 10 5.3 171°.74 0°.3/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.79	+ 8 11.8	1.690	2.514	16.3	20.8
9 8	1 8.82	+ 7 51.0	1.614	2.517	12.7	20.6
9 18	1 1.41	+ 7 15.1	1.559	2.520	8.5	20.4
9 28	0 52.20	+ 6 27.2	1.528	2.522	3.8	20.1
10 8	0 42.22	+ 5 33.0	1.525	2.523	1.2	19.9
10 18	0 32.63	+ 4 39.2	1.550	2.524	6.1	20.2
10 28	0 24.53	+ 3 52.9	1.601	2.524	10.5	20.5
11 7	0 18.72	+ 3 19.6	1.676	2.524	14.4	20.7

185801 1999 VV_{164} 10 5.3 283°.46 6°.4/ 1.1 18

8 29	1 16.19	− 8 56.4	1.476	2.335	16.4	20.3
9 8	1 11.16	− 9 33.0	1.399	2.321	12.9	20.0
9 18	1 3.22	−10 9.9	1.343	2.307	9.3	19.8
9 28	0 53.07	−10 38.8	1.311	2.293	6.6	19.6
10 8	0 41.89	−10 51.8	1.305	2.279	7.4	19.6
10 18	0 31.07	−10 43.1	1.324	2.265	10.8	19.8
10 28	0 21.97	−10 10.3	1.367	2.251	14.8	20.0
11 7	0 15.55	− 9 14.4	1.430	2.237	18.5	20.2

511041 2013 RX_{47} 10 5.3 345°.86 1°.4/ 6.1 18

8 29	1 7.00	+ 8 11.7	1.067	1.934	20.8	20.9
9 8	1 4.92	+ 8 26.2	0.997	1.924	16.4	20.6
9 18	0 59.57	+ 8 21.9	0.945	1.915	11.2	20.3
9 28	0 51.63	+ 8 0.7	0.912	1.907	5.3	19.9
10 8	0 42.42	+ 7 28.1	0.902	1.900	1.8	19.7
10 18	0 33.58	+ 6 52.2	0.914	1.895	7.7	20.0
10 28	0 26.74	+ 6 22.3	0.949	1.892	13.4	20.3
11 7	0 23.01	+ 6 6.1	1.002	1.889	18.5	20.6

35810 1999 JB_{44} 10 5.3 16°.78 1°.5/ 4.6 18

8 29	1 11.65	+ 0 48.6	1.009	1.889	20.7	16.8
9 8	1 8.19	+ 1 14.1	0.963	1.899	15.9	16.6
9 18	1 1.39	+ 1 30.7	0.935	1.910	10.4	16.3
9 28	0 52.24	+ 1 42.5	0.927	1.924	4.4	16.0
10 8	0 42.28	+ 1 54.7	0.942	1.939	2.6	16.0
10 18	0 33.16	+ 2 12.0	0.980	1.957	8.2	16.4
10 28	0 26.34	+ 2 38.8	1.041	1.975	13.5	16.7
11 7	0 22.64	+ 3 17.0	1.121	1.996	17.9	17.1

285408 1999 UT_{28} 10 5.3 324°.91 1°.9/ 3.7 18

8 29	1 11.00	− 0 2.4	1.967	2.808	13.6	20.5
9 8	1 6.39	− 0 10.2	1.885	2.801	10.5	20.3
9 18	0 59.68	− 0 23.6	1.826	2.794	6.8	20.0
9 28	0 51.45	− 0 39.2	1.792	2.787	3.1	19.8
10 8	0 42.53	− 0 52.5	1.786	2.780	2.7	19.8
10 18	0 33.88	− 0 59.4	1.809	2.774	6.3	20.0
10 28	0 26.43	− 0 56.3	1.858	2.768	10.1	20.2
11 7	0 20.89	− 0 41.1	1.931	2.762	13.4	20.4

230787 2004 BE_{13} 10 5.3 93°.26 5°.7/27.5 18

8 29	1 5.26	−12 55.3	2.585	3.437	10.4	20.2
9 8	1 1.42	−14 11.2	2.530	3.443	8.3	20.1
9 18	0 56.12	−15 24.8	2.499	3.449	6.4	20.0
9 28	0 49.83	−16 30.2	2.496	3.455	5.7	19.9
10 8	0 43.16	−17 21.9	2.521	3.461	6.6	20.0
10 18	0 36.77	−17 56.1	2.572	3.466	8.4	20.1
10 28	0 31.28	−18 10.9	2.649	3.472	10.5	20.3
11 7	0 27.18	−18 6.4	2.747	3.478	12.4	20.4

211319 2002 SP_{53} 10 5.3 3°.24 8°.1/13.4 18

8 29	1 9.77	+27 44.9	1.877	2.608	18.1	19.6
9 8	1 5.93	+28 27.8	1.792	2.607	15.8	19.4
9 18	0 59.65	+28 46.5	1.725	2.607	13.0	19.2
9 28	0 51.52	+28 37.6	1.679	2.608	10.3	19.1
10 8	0 42.50	+28 0.9	1.656	2.608	8.4	19.0
10 18	0 33.72	+26 59.8	1.658	2.608	8.3	19.0
10 28	0 26.34	+25 41.7	1.687	2.609	10.1	19.1
11 7	0 21.19	+24 16.5	1.739	2.610	12.7	19.2

70505 1999 TU_{99} 10 5.3 328°.42 3°.8/ 1.8 18

8 29	1 6.37	− 0 26.4	1.580	2.443	15.3	18.9
9 8	1 3.27	− 1 35.6	1.508	2.437	11.7	18.6
9 18	0 57.85	− 2 55.4	1.458	2.431	7.7	18.4
9 28	0 50.71	− 4 18.3	1.432	2.425	4.2	18.2
10 8	0 42.82	− 5 35.1	1.433	2.420	4.9	18.2
10 18	0 35.26	− 6 37.4	1.460	2.415	8.7	18.4
10 28	0 29.10	− 7 18.7	1.511	2.410	12.7	18.7
11 7	0 25.09	− 7 36.2	1.583	2.406	16.3	18.9

213729 2002 VQ_{117} 10 5.3 84°.58 17°.2/29.5 16

8 29	1 34.74	−29 20.8	1.030	1.868	23.5	19.6
9 8	1 26.19	−30 17.8	0.993	1.874	20.6	19.5
9 18	1 13.16	−30 46.7	0.972	1.881	18.3	19.4
9 28	0 57.17	−30 30.9	0.970	1.887	17.2	19.3
10 8	0 40.57	−29 21.7	0.989	1.894	17.8	19.4
10 18	0 25.74	−27 21.2	1.028	1.900	19.8	19.5
10 28	0 14.47	−24 40.0	1.086	1.907	22.4	19.8
11 7	0 7.51	−21 32.8	1.162	1.913	25.0	20.0

168656 2000 DV_{105} 10 5.3 217°.21 3°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.76	− 1 12.8	2.112	2.956	12.7	20.2
9 8	1 4.50	− 2 5.4	2.034	2.952	9.7	20.0
9 18	0 58.36	− 3 4.8	1.979	2.947	6.4	19.8
9 28	0 50.86	− 4 5.8	1.950	2.942	3.4	19.6
10 8	0 42.78	− 5 2.0	1.950	2.936	3.8	19.6
10 18	0 34.96	− 5 47.8	1.978	2.931	7.0	19.8
10 28	0 28.23	− 6 18.6	2.033	2.925	10.3	20.0
11 7	0 23.23	− 6 32.2	2.112	2.918	13.3	20.2

458032 2009 WF_{196} 10 5.3 308°.67 0°.6/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.45	+ 4 56.4	2.069	2.884	14.0	21.4
9 8	1 10.88	+ 5 29.7	1.955	2.853	11.1	21.1
9 18	1 2.91	+ 5 57.2	1.863	2.822	7.5	20.8
9 28	0 52.99	+ 6 19.5	1.797	2.790	3.4	20.5
10 8	0 41.95	+ 6 38.3	1.761	2.759	1.2	20.3
10 18	0 30.82	+ 6 55.8	1.754	2.728	5.5	20.5
10 28	0 20.73	+ 7 15.1	1.776	2.697	9.8	20.7
11 7	0 12.63	+ 7 39.2	1.824	2.666	13.6	20.9

451351 2010 WL_{23} 10 5.3 160°.73 4°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.52	− 8 43.9	2.327	3.174	11.6	21.1
9 8	1 4.83	− 9 27.9	2.260	3.175	9.0	20.9
9 18	0 58.43	−10 11.9	2.216	3.177	6.4	20.7
9 28	0 50.85	−10 50.5	2.200	3.178	4.7	20.6
10 8	0 42.82	−11 18.7	2.211	3.179	5.4	20.7
10 18	0 35.09	−11 32.6	2.251	3.179	7.7	20.8
10 28	0 28.42	−11 30.0	2.316	3.180	10.4	21.0
11 7	0 23.36	−11 10.6	2.405	3.181	12.8	21.2

45133 1999 XM_{93} 10 5.3 348°.08 2°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.87	+11 42.8	1.532	2.361	17.4	18.2
9 8	1 4.63	+11 45.7	1.454	2.356	13.9	18.0
9 18	0 58.87	+11 30.4	1.395	2.352	9.7	17.7
9 28	0 51.21	+10 58.4	1.359	2.348	5.1	17.4
10 8	0 42.66	+10 14.0	1.349	2.345	2.3	17.3
10 18	0 34.42	+ 9 23.6	1.364	2.343	6.0	17.5
10 28	0 27.67	+ 8 35.2	1.405	2.341	10.5	17.8
11 7	0 23.25	+ 7 56.1	1.468	2.340	14.6	18.0

356262 2009 VL_{15} 10 5.3 324°.82 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.68	+10 52.3	4.188	4.980	7.9	21.5
9 8	0 57.47	+10 39.1	4.095	4.977	6.2	21.3
9 18	0 53.36	+10 18.8	4.025	4.974	4.2	21.2
9 28	0 48.63	+ 9 52.6	3.984	4.971	2.2	21.0
10 8	0 43.64	+ 9 22.4	3.972	4.968	0.9	20.9
10 18	0 38.74	+ 8 50.4	3.990	4.966	2.6	21.1
10 28	0 34.33	+ 8 19.2	4.038	4.963	4.7	21.2
11 7	0 30.72	+ 7 51.2	4.114	4.960	6.5	21.3

494642 2017 DG_{48} 10 5.3 215°.59 6°.1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.03	+26 0.9	2.826	3.523	13.3	21.3
9 8	1 9.20	+26 57.3	2.723	3.517	11.5	21.1
9 18	1 1.46	+27 38.6	2.642	3.512	9.5	21.0
9 28	0 52.25	+28 2.5	2.585	3.506	7.5	20.8
10 8	0 42.27	+28 7.9	2.556	3.500	6.3	20.7
10 18	0 32.33	+27 55.9	2.555	3.493	6.4	20.7
10 28	0 23.30	+27 30.1	2.583	3.487	7.9	20.8
11 7	0 15.88	+26 55.7	2.637	3.480	9.9	21.0

135898 2002 TO_{77} 10 5.3 33°.91 1°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.88	+12 32.6	1.808	2.623	15.7	19.6
9 8	1 4.18	+12 16.4	1.731	2.625	12.5	19.4
9 18	0 58.31	+11 42.6	1.675	2.628	8.7	19.2
9 28	0 50.89	+10 53.4	1.643	2.631	4.5	19.0
10 8	0 42.80	+ 9 53.6	1.637	2.634	1.9	18.8
10 18	0 35.03	+ 8 49.5	1.659	2.637	5.3	19.0
10 28	0 28.56	+ 7 48.7	1.709	2.640	9.3	19.3
11 7	0 24.10	+ 6 57.6	1.782	2.644	12.9	19.5

299672 2006 QG_{15} 10 5.3 12°.36 7°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.95	+23 10.7	1.741	2.503	18.3	20.1
9 8	1 6.92	+24 1.3	1.661	2.504	15.5	19.9
9 18	1 0.35	+24 29.9	1.599	2.506	12.4	19.8
9 28	0 51.85	+24 33.5	1.559	2.508	9.3	19.6
10 8	0 42.42	+24 12.0	1.543	2.510	7.3	19.5
10 18	0 33.26	+23 28.9	1.552	2.513	7.7	19.5
10 28	0 25.57	+22 31.7	1.588	2.516	10.1	19.7
11 7	0 20.22	+21 29.5	1.647	2.520	13.2	19.9

402831 2007 FM_{30} 10 5.3 304°.91 0°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.19	+ 6 22.1	1.983	2.813	14.0	20.6
9 8	1 4.37	+ 6 11.3	1.888	2.796	10.9	20.4
9 18	0 58.48	+ 5 49.1	1.814	2.778	7.3	20.1
9 28	0 51.00	+ 5 18.1	1.766	2.760	3.2	19.9
10 8	0 42.74	+ 4 42.5	1.745	2.743	1.2	19.7
10 18	0 34.60	+ 4 7.2	1.752	2.726	5.5	19.9
10 28	0 27.56	+ 3 37.9	1.786	2.709	9.6	20.2
11 7	0 22.37	+ 3 18.9	1.844	2.693	13.2	20.3

279529 2011 BF_{52} 10 5.3 248°.59 2°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.72	− 0 28.0	2.521	3.359	11.1	21.0
9 8	1 2.66	− 1 7.2	2.436	3.351	8.5	20.8
9 18	0 57.03	− 1 52.2	2.376	3.344	5.5	20.6
9 28	0 50.28	− 2 39.0	2.343	3.336	2.8	20.5
10 8	0 43.03	− 3 23.0	2.339	3.328	2.9	20.5
10 18	0 35.97	− 3 59.7	2.363	3.320	5.7	20.6
10 28	0 29.80	− 4 25.4	2.416	3.311	8.7	20.8
11 7	0 25.04	− 4 37.9	2.493	3.303	11.4	21.0

54217 2000 HW_{96} 10 5.3 346°.41 4°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.00	− 3 27.3	1.745	2.606	14.2	19.1
9 8	1 3.50	− 4 31.3	1.676	2.603	10.9	18.9
9 18	0 57.86	− 5 41.5	1.631	2.601	7.3	18.7
9 28	0 50.69	− 6 50.7	1.610	2.599	4.6	18.5
10 8	0 42.88	− 7 51.0	1.616	2.597	5.4	18.6
10 18	0 35.42	− 8 35.7	1.649	2.595	8.6	18.7
10 28	0 29.25	− 9 0.1	1.706	2.594	12.2	19.0
11 7	0 25.06	− 9 2.8	1.785	2.593	15.3	19.2

200472 2000 XY_{21} 10 5.3 4°.00 10°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.72	+27 14.5	1.242	2.023	23.3	18.3
9 8	1 3.86	+28 30.7	1.174	2.021	20.4	18.1
9 18	0 58.84	+29 15.5	1.121	2.022	17.0	17.9
9 28	0 51.33	+29 22.9	1.085	2.023	13.7	17.7
10 8	0 42.61	+28 51.2	1.069	2.026	11.2	17.6
10 18	0 34.26	+27 44.6	1.075	2.031	10.9	17.6
10 28	0 27.85	+26 14.2	1.103	2.037	12.9	17.7
11 7	0 24.45	+24 34.7	1.151	2.045	16.1	17.9

338531 2003 RX_{16} 10 5.3 45°.43 0°.4/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.94	+ 9 23.3	1.358	2.202	18.5	20.4
9 8	1 5.29	+ 8 47.5	1.310	2.224	14.3	20.2
9 18	0 59.09	+ 7 53.0	1.282	2.247	9.4	20.0
9 28	0 51.19	+ 6 44.9	1.277	2.271	4.1	19.8
10 8	0 42.75	+ 5 31.5	1.297	2.295	1.3	19.7
10 18	0 34.99	+ 4 21.6	1.343	2.320	6.4	20.1
10 28	0 28.98	+ 3 23.6	1.415	2.345	11.0	20.4
11 7	0 25.39	+ 2 42.8	1.508	2.370	14.9	20.7

249549 2010 JU_{33} 10 5.3 174°.94 0°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.23	+ 9 4.7	2.086	2.902	13.9	21.4
9 8	1 4.90	+ 8 33.2	2.004	2.904	10.8	21.2
9 18	0 58.64	+ 7 47.9	1.946	2.905	7.2	21.0
9 28	0 51.00	+ 6 51.8	1.913	2.906	3.2	20.7
10 8	0 42.78	+ 5 50.0	1.908	2.906	1.0	20.6
10 18	0 34.83	+ 4 48.3	1.933	2.907	5.1	20.9
10 28	0 28.02	+ 3 53.1	1.985	2.907	8.9	21.1
11 7	0 23.00	+ 3 9.1	2.062	2.906	12.2	21.3

384792 2012 QK_{15} 10 5.3 24°.21 4°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.98	+16 53.6	1.262	2.088	20.6	20.1
9 8	1 4.32	+16 59.2	1.201	2.096	16.8	19.9
9 18	0 58.79	+16 38.2	1.156	2.104	12.3	19.7
9 28	0 51.18	+15 51.1	1.133	2.114	7.5	19.4
10 8	0 42.72	+14 43.2	1.132	2.124	4.4	19.3
10 18	0 34.78	+13 23.5	1.156	2.136	6.7	19.5
10 28	0 28.68	+12 3.3	1.205	2.148	11.1	19.8
11 7	0 25.26	+10 53.2	1.275	2.161	15.4	20.0

190257 2007 HP_{40} 10 5.3 105°.03 7°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.37	−21 6.0	2.398	3.227	11.9	19.8
9 8	1 9.19	−21 44.8	2.345	3.232	10.0	19.6
9 18	1 1.19	−22 14.5	2.315	3.237	8.4	19.6
9 28	0 52.00	−22 29.2	2.311	3.242	7.7	19.5
10 8	0 42.45	−22 24.4	2.334	3.247	8.4	19.6
10 18	0 33.37	−21 58.2	2.383	3.253	10.0	19.7
10 28	0 25.55	−21 11.1	2.458	3.257	12.0	19.8
11 7	0 19.54	−20 5.5	2.554	3.262	13.8	20.0

68916 2002 KV_{9} 10 5.3 99°.13 1°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.72	+ 2 41.8	2.294	3.129	12.2	20.0
9 8	1 2.72	+ 1 59.2	2.222	3.136	9.2	19.8
9 18	0 57.08	+ 1 8.3	2.174	3.142	5.9	19.6
9 28	0 50.29	+ 0 13.4	2.153	3.148	2.6	19.4
10 8	0 43.06	− 0 40.4	2.161	3.154	2.3	19.4
10 18	0 36.11	− 1 28.0	2.197	3.160	5.5	19.7
10 28	0 30.16	− 2 5.0	2.261	3.167	8.8	19.9
11 7	0 25.77	− 2 28.6	2.349	3.173	11.6	20.1

24420 2000 BU_{22} 10 5.3 252°.24 1°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 59.93	− 3 57.8	4.578	5.414	6.5	19.0
9 8	0 56.80	− 4 31.3	4.496	5.410	4.9	18.8
9 18	0 52.89	− 5 6.4	4.441	5.406	3.3	18.7
9 28	0 48.43	− 5 40.9	4.415	5.403	2.0	18.6
10 8	0 43.75	− 6 12.4	4.418	5.399	2.3	18.6
10 18	0 39.17	− 6 38.7	4.452	5.395	3.8	18.8
10 28	0 35.03	− 6 58.1	4.514	5.391	5.4	18.9
11 7	0 31.59	− 7 9.4	4.602	5.387	7.0	19.0

259486 2003 SH_{220} 10 5.3 337°.73 0°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.15	+ 6 28.4	1.215	2.073	19.3	20.4
9 8	1 6.98	+ 6 22.0	1.144	2.066	15.1	20.1
9 18	1 0.73	+ 5 58.9	1.091	2.060	10.1	19.8
9 28	0 52.11	+ 5 22.5	1.059	2.055	4.4	19.5
10 8	0 42.38	+ 4 39.4	1.052	2.050	1.6	19.3
10 18	0 33.04	+ 3 57.9	1.069	2.046	7.5	19.6
10 28	0 25.57	+ 3 26.5	1.109	2.042	13.0	19.9
11 7	0 20.98	+ 3 11.2	1.169	2.039	17.7	20.2

336770 2011 BM_{38} 10 5.3 174°.49 2°.3/ 2.9 17

8 29	1 10.27	+ 2 11.2	2.000	2.837	13.6	21.3
9 8	1 5.72	+ 1 5.9	1.925	2.840	10.4	21.1
9 18	0 59.19	− 0 9.8	1.874	2.842	6.7	20.8
9 28	0 51.25	− 1 30.1	1.850	2.844	3.1	20.6
10 8	0 42.73	− 2 47.9	1.854	2.845	3.2	20.6
10 18	0 34.53	− 3 56.3	1.887	2.845	6.8	20.9
10 28	0 27.54	− 4 49.4	1.947	2.845	10.4	21.1
11 7	0 22.40	− 5 24.0	2.031	2.844	13.6	21.3

446887 2002 GZ_{82} 10 5.3 84°.37 4°.5/30.9 18

8 29	1 10.68	− 7 58.0	2.227	3.073	12.1	20.4
9 8	1 5.71	− 8 36.5	2.169	3.085	9.3	20.2
9 18	0 58.99	− 9 15.1	2.135	3.097	6.5	20.1
9 28	0 51.10	− 9 48.3	2.128	3.109	4.6	20.0
10 8	0 42.82	−10 11.3	2.149	3.120	5.2	20.1
10 18	0 34.93	−10 20.6	2.198	3.132	7.6	20.2
10 28	0 28.20	−10 14.1	2.273	3.144	10.3	20.4
11 7	0 23.16	− 9 51.8	2.372	3.155	12.7	20.6

436487 2011 EX_{32} 10 5.3 162°.07 0°.4/ 4.9 15

8 29	1 11.39	+ 6 47.3	1.982	2.805	14.3	22.5
9 8	1 6.61	+ 6 9.2	1.906	2.811	11.0	22.3
9 18	0 59.79	+ 5 18.4	1.853	2.816	7.2	22.1
9 28	0 51.52	+ 4 18.6	1.825	2.820	3.0	21.9
10 8	0 42.66	+ 3 15.5	1.827	2.824	1.4	21.8
10 18	0 34.14	+ 2 15.6	1.857	2.827	5.6	22.1
10 28	0 26.87	+ 1 24.8	1.914	2.830	9.5	22.3
11 7	0 21.50	+ 0 47.7	1.997	2.832	12.9	22.5

399598 2003 UR_{341} 10 5.3 353°.91 5°.4/10.9 18

8 29	1 5.34	+21 32.2	1.881	2.655	16.7	20.1
9 8	1 2.37	+21 48.1	1.795	2.651	14.0	19.9
9 18	0 57.24	+21 42.2	1.729	2.648	10.9	19.7
9 28	0 50.50	+21 13.6	1.684	2.645	7.7	19.5
10 8	0 43.01	+20 24.1	1.665	2.644	5.5	19.4
10 18	0 35.76	+19 18.6	1.672	2.642	6.2	19.4
10 28	0 29.73	+18 4.8	1.706	2.642	9.0	19.6
11 7	0 25.69	+16 51.2	1.764	2.642	12.2	19.8

55490 2001 UZ_{45} 10 5.3 118°.72 0°.5/ 4.9 18

8 29	1 11.14	+ 6 49.6	1.784	2.613	15.3	19.2
9 8	1 6.56	+ 6 10.1	1.717	2.625	11.8	19.0
9 18	0 59.80	+ 5 16.9	1.672	2.637	7.7	18.8
9 28	0 51.53	+ 4 14.4	1.653	2.648	3.2	18.5
10 8	0 42.69	+ 3 9.0	1.661	2.659	1.5	18.4
10 18	0 34.28	+ 2 7.7	1.698	2.669	6.0	18.7
10 28	0 27.27	+ 1 17.0	1.761	2.679	10.0	19.0
11 7	0 22.33	+ 0 41.3	1.848	2.689	13.5	19.3

329722 2003 WE_{118} 10 5.3 322°.33 5°.8/ 9.1 18

8 29	1 7.26	+16 48.5	1.202	2.031	21.2	19.9
9 8	1 5.19	+17 27.8	1.115	2.012	17.7	19.6
9 18	0 59.90	+17 43.1	1.046	1.992	13.4	19.3
9 28	0 51.94	+17 31.1	0.995	1.974	8.8	19.0
10 8	0 42.47	+16 52.9	0.967	1.957	5.8	18.7
10 18	0 33.07	+15 54.1	0.962	1.940	8.0	18.8
10 28	0 25.45	+14 45.7	0.979	1.924	12.8	19.0
11 7	0 20.89	+13 40.2	1.016	1.910	17.7	19.3

248187 2005 BA_{1} 10 5.3 156°.34 4°.7/10.2 18

8 29	1 12.26	+20 29.9	2.212	2.967	15.1	21.4
9 8	1 7.28	+20 49.2	2.127	2.972	12.5	21.2
9 18	1 0.27	+20 50.4	2.062	2.977	9.6	21.1
9 28	0 51.77	+20 32.8	2.022	2.982	6.7	20.9
10 8	0 42.60	+19 57.9	2.008	2.986	4.8	20.8
10 18	0 33.69	+19 9.5	2.023	2.990	5.6	20.9
10 28	0 25.96	+18 13.6	2.066	2.993	8.2	21.0
11 7	0 20.10	+17 17.1	2.135	2.996	11.1	21.2

307979 2004 PR_{53} 10 5.3 78°.04 1°.7/ 4.2 17

8 29	1 16.06	+ 3 34.9	1.226	2.080	19.4	20.3
9 8	1 11.05	+ 3 6.8	1.177	2.099	14.9	20.1
9 18	1 3.04	+ 2 25.2	1.147	2.117	9.6	19.9
9 28	0 52.96	+ 1 36.4	1.140	2.136	4.0	19.6
10 8	0 42.22	+ 0 48.5	1.158	2.154	2.8	19.6
10 18	0 32.30	+ 0 9.6	1.201	2.172	8.0	19.9
10 28	0 24.50	− 0 14.0	1.269	2.190	12.8	20.3
11 7	0 19.57	− 0 18.9	1.358	2.208	16.9	20.6

286950 2002 PX_{169} 10 5.3 316°.02 4°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.98	− 2 3.9	1.554	2.423	15.2	20.1
9 8	1 2.41	− 3 21.4	1.472	2.404	11.7	19.9
9 18	0 57.46	− 4 50.0	1.411	2.384	7.9	19.6
9 28	0 50.67	− 6 21.4	1.375	2.365	4.9	19.4
10 8	0 42.99	− 7 45.6	1.365	2.347	5.9	19.4
10 18	0 35.51	− 8 53.1	1.380	2.329	9.7	19.6
10 28	0 29.36	− 9 36.8	1.419	2.312	13.8	19.8
11 7	0 25.40	− 9 53.6	1.478	2.295	17.5	20.0

20474 Reasoner 10 5.3 180°.81 3°.7/ 1.9 18

8 29	1 11.68	− 0 43.3	1.713	2.562	15.0	19.0
9 8	1 7.15	− 1 54.6	1.642	2.563	11.4	18.8
9 18	1 0.31	− 3 15.4	1.595	2.564	7.5	18.6
9 28	0 51.80	− 4 38.2	1.573	2.564	4.1	18.4
10 8	0 42.61	− 5 54.5	1.578	2.564	4.7	18.4
10 18	0 33.80	− 6 56.4	1.611	2.563	8.4	18.7
10 28	0 26.41	− 7 38.1	1.670	2.561	12.2	18.9
11 7	0 21.17	− 7 57.4	1.751	2.559	15.6	19.1

188267 2003 AQ_{26} 10 5.3 345°.80 6°.1/30.4 18

8 29	1 6.99	− 4 28.7	1.276	2.156	17.2	19.6
9 8	1 4.27	− 5 47.2	1.214	2.150	13.2	19.4
9 18	0 58.77	− 7 13.4	1.173	2.145	9.1	19.1
9 28	0 51.23	− 8 37.0	1.154	2.141	6.2	18.9
10 8	0 42.82	− 9 46.6	1.159	2.138	7.4	19.0
10 18	0 34.85	−10 32.8	1.188	2.135	11.2	19.2
10 28	0 28.61	−10 50.3	1.240	2.133	15.4	19.5
11 7	0 24.95	−10 38.5	1.310	2.131	19.1	19.7

275544 1998 SF_{168} 10 5.3 17°.37 5°.6/ 1.3 18

8 29	1 2.45	− 1 15.4	0.908	1.810	20.4	19.1
9 8	1 1.34	− 2 36.9	0.869	1.818	15.5	18.8
9 18	0 57.02	− 4 10.1	0.848	1.829	10.2	18.6
9 28	0 50.46	− 5 41.8	0.848	1.841	6.0	18.4
10 8	0 43.13	− 6 58.0	0.869	1.856	7.0	18.6
10 18	0 36.59	− 7 47.8	0.911	1.872	11.6	18.9
10 28	0 32.16	− 8 5.6	0.973	1.889	16.3	19.2
11 7	0 30.59	− 7 51.7	1.053	1.909	20.3	19.5

323990 2005 UF_{213} 10 5.3 313°.50 0°.3/ 5.7 18

8 29	1 7.23	+ 8 8.6	2.026	2.851	13.9	21.4
9 8	1 3.51	+ 7 47.1	1.941	2.846	10.8	21.2
9 18	0 57.83	+ 7 12.6	1.879	2.840	7.2	21.0
9 28	0 50.74	+ 6 28.1	1.842	2.835	3.2	20.7
10 8	0 43.00	+ 5 38.0	1.832	2.830	1.0	20.5
10 18	0 35.49	+ 4 48.0	1.851	2.825	5.2	20.8
10 28	0 29.09	+ 4 3.9	1.896	2.821	9.0	21.0
11 7	0 24.46	+ 3 30.4	1.967	2.816	12.4	21.3

316460 2010 UP_{91} 10 5.3 336°.56 2°.8/ 8.0 18

8 29	1 8.10	+14 5.9	1.974	2.776	15.1	20.1
9 8	1 4.30	+14 14.0	1.887	2.771	12.1	19.9
9 18	0 58.43	+14 6.3	1.821	2.766	8.7	19.7
9 28	0 51.02	+13 43.2	1.780	2.762	5.1	19.5
10 8	0 42.89	+13 7.6	1.765	2.758	2.8	19.3
10 18	0 34.98	+12 24.1	1.778	2.755	5.1	19.5
10 28	0 28.22	+11 38.9	1.818	2.751	8.7	19.7
11 7	0 23.36	+10 58.1	1.882	2.748	12.2	19.9

155972 2001 QW_{227} 10 5.3 323°.20 1°.8/ 6.9 18 R

8 29	1 1.60	+14 23.1	1.280	2.123	19.4	19.4
9 8	1 0.42	+13 38.0	1.190	2.101	15.6	19.0
9 18	0 56.49	+12 22.2	1.119	2.080	11.0	18.7
9 28	0 50.37	+10 37.8	1.069	2.060	5.7	18.4
10 8	0 43.10	+ 8 32.6	1.043	2.041	1.9	18.1
10 18	0 36.01	+ 6 19.6	1.042	2.023	6.9	18.3
10 28	0 30.47	+ 4 14.3	1.065	2.006	12.6	18.6
11 7	0 27.53	+ 2 29.6	1.110	1.990	17.6	18.8

60236 1999 VH_{165} 10 5.3 331°.03 0°.2/ 5.2 18

8 29	1 8.29	+ 5 57.6	2.151	2.978	13.2	19.9
9 8	1 4.16	+ 5 41.9	2.070	2.976	10.2	19.7
9 18	0 58.17	+ 5 16.0	2.011	2.974	6.7	19.5
9 28	0 50.86	+ 4 42.8	1.978	2.972	2.9	19.2
10 8	0 42.97	+ 4 6.5	1.973	2.971	1.2	19.1
10 18	0 35.32	+ 3 31.6	1.996	2.969	5.1	19.4
10 28	0 28.74	+ 3 3.0	2.047	2.968	8.7	19.6
11 7	0 23.86	+ 2 44.5	2.123	2.966	11.9	19.8

405246 2003 SB_{187} 10 5.3 323°.68 0°.0/ 5.2 17

8 29	1 19.00	+ 2 14.9	1.952	2.773	14.5	19.9
9 8	1 12.81	+ 2 58.2	1.854	2.757	11.4	19.6
9 18	1 4.14	+ 3 37.8	1.779	2.741	7.6	19.4
9 28	0 53.55	+ 4 14.7	1.731	2.725	3.3	19.1
10 8	0 41.97	+ 4 50.4	1.712	2.710	1.2	18.9
10 18	0 30.51	+ 5 26.5	1.723	2.696	5.8	19.2
10 28	0 20.33	+ 6 5.0	1.763	2.682	10.0	19.4
11 7	0 12.33	+ 6 47.9	1.828	2.669	13.7	19.6

447741 2007 GH_{32} 10 5.3 130°.62 3°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.76	− 1 46.6	2.825	3.663	10.1	21.5
9 8	1 1.67	− 3 17.1	2.761	3.676	7.6	21.4
9 18	0 56.26	− 4 52.8	2.723	3.689	5.0	21.2
9 28	0 49.96	− 6 28.1	2.715	3.702	3.1	21.1
10 8	0 43.32	− 7 57.3	2.737	3.714	3.8	21.2
10 18	0 36.94	− 9 15.2	2.790	3.726	6.1	21.4
10 28	0 31.37	−10 18.0	2.871	3.738	8.5	21.5
11 7	0 27.06	−11 3.6	2.977	3.749	10.7	21.7

41294 1999 XH_{109} 10 5.3 342°.37 3°.0/ 2.2 18

8 29	1 7.35	− 1 46.1	2.121	2.969	12.6	18.7
9 8	1 3.42	− 2 30.5	2.048	2.968	9.6	18.5
9 18	0 57.66	− 3 20.6	1.997	2.966	6.3	18.3
9 28	0 50.63	− 4 11.2	1.974	2.965	3.4	18.2
10 8	0 43.07	− 4 56.9	1.978	2.964	3.8	18.2
10 18	0 35.78	− 5 32.3	2.010	2.963	6.8	18.4
10 28	0 29.57	− 5 53.5	2.069	2.963	10.0	18.6
11 7	0 25.04	− 5 58.7	2.150	2.962	12.9	18.8

356237 2009 SA_{328} 10 5.3 278°.74 0°.8/ 7.0 18

8 29	1 0.16	+11 22.8	4.306	5.096	7.7	21.0
9 8	0 57.08	+11 1.8	4.211	5.092	6.0	20.8
9 18	0 53.14	+10 33.5	4.141	5.089	4.2	20.7
9 28	0 48.60	+ 9 59.1	4.099	5.086	2.1	20.5
10 8	0 43.81	+ 9 20.7	4.086	5.083	0.9	20.4
10 18	0 39.12	+ 8 40.5	4.104	5.080	2.5	20.6
10 28	0 34.89	+ 8 1.3	4.152	5.077	4.5	20.7
11 7	0 31.43	+ 7 25.6	4.228	5.073	6.4	20.8

451200 2009 UB_{17} 10 5.3 13°.91 15°.8/25.7 18

8 29	1 20.21	−35 40.7	1.490	2.303	18.6	18.7
9 8	1 13.91	−36 30.4	1.465	2.312	17.1	18.7
9 18	1 4.61	−36 52.6	1.458	2.322	16.1	18.6
9 28	0 53.50	−36 37.7	1.471	2.333	15.8	18.6
10 8	0 42.13	−35 41.2	1.503	2.345	16.4	18.7
10 18	0 31.95	−34 4.3	1.555	2.359	17.7	18.8
10 28	0 24.14	−31 53.2	1.626	2.374	19.2	19.0
11 7	0 19.25	−29 16.9	1.715	2.391	20.6	19.2

293723 2007 RT_{13} 10 5.3 291°.62 0°.0/ 5.2 18

8 29	1 14.12	+ 5 25.6	1.329	2.177	18.6	20.8
9 8	1 9.96	+ 5 28.7	1.249	2.166	14.6	20.5
9 18	1 2.71	+ 5 18.2	1.188	2.156	9.7	20.2
9 28	0 53.04	+ 4 57.0	1.150	2.146	4.2	19.8
10 8	0 42.16	+ 4 30.2	1.137	2.135	1.6	19.6
10 18	0 31.56	+ 4 4.7	1.150	2.125	7.4	20.0
10 28	0 22.75	+ 3 47.4	1.186	2.115	12.8	20.3
11 7	0 16.79	+ 3 43.8	1.244	2.106	17.4	20.5

171651 2000 GK_{24} 10 5.3 233°.30 0°.4/ 5.8 18

8 29	1 11.01	+ 7 38.6	2.145	2.961	13.6	20.8
9 8	1 6.34	+ 7 30.0	2.055	2.953	10.6	20.6
9 18	0 59.68	+ 7 10.2	1.986	2.946	7.1	20.4
9 28	0 51.55	+ 6 41.4	1.944	2.937	3.2	20.1
10 8	0 42.73	+ 6 7.2	1.931	2.929	1.0	19.9
10 18	0 34.10	+ 5 32.2	1.946	2.920	5.0	20.2
10 28	0 26.57	+ 5 1.5	1.989	2.911	8.8	20.4
11 7	0 20.81	+ 4 39.5	2.057	2.902	12.2	20.6

247637 2002 VZ_{40} 10 5.3 291°.58 2°.8/ 8.1 18

8 29	1 8.05	+14 49.2	1.913	2.714	15.5	20.2
9 8	1 4.39	+14 45.6	1.821	2.704	12.5	20.0
9 18	0 58.57	+14 24.1	1.750	2.695	9.0	19.8
9 28	0 51.12	+13 45.5	1.703	2.685	5.3	19.5
10 8	0 42.88	+12 52.9	1.682	2.676	2.8	19.4
10 18	0 34.83	+11 52.0	1.689	2.667	5.3	19.5
10 28	0 27.96	+10 49.9	1.724	2.657	9.1	19.7
11 7	0 23.05	+ 9 53.9	1.782	2.648	12.7	19.9

339171 2004 TV_{92} 10 5.3 344°.80 0°.3/ 5.1 16

8 29	1 7.50	+ 3 46.8	1.121	1.995	19.5	21.2
9 8	1 5.25	+ 4 5.5	1.048	1.980	15.3	20.9
9 18	0 59.81	+ 4 12.4	0.992	1.966	10.2	20.6
9 28	0 51.84	+ 4 10.4	0.957	1.953	4.4	20.2
10 8	0 42.60	+ 4 4.7	0.944	1.943	1.8	20.0
10 18	0 33.64	+ 4 1.3	0.955	1.934	7.9	20.4
10 28	0 26.58	+ 4 6.7	0.988	1.927	13.6	20.7
11 7	0 22.51	+ 4 25.5	1.040	1.921	18.5	21.0

19444 Addicott 10 5.3 311°.92 5°.3/ 9.0 18

8 29	1 8.95	+17 0.0	1.301	2.121	20.5	17.5
9 8	1 6.25	+17 29.4	1.214	2.105	17.0	17.2
9 18	1 0.46	+17 34.9	1.145	2.089	12.8	16.9
9 28	0 52.15	+17 14.0	1.095	2.073	8.3	16.7
10 8	0 42.47	+16 28.6	1.068	2.058	5.3	16.4
10 18	0 32.90	+15 24.6	1.066	2.043	7.5	16.5
10 28	0 25.05	+14 12.8	1.087	2.029	12.2	16.7
11 7	0 20.09	+13 4.8	1.129	2.016	16.9	17.0

155817 2000 WR_{74} 10 5.3 31°.51 1°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.06	+ 8 23.7	1.048	1.908	21.6	18.7
9 8	1 8.26	+ 8 38.0	1.011	1.933	16.7	18.4
9 18	1 1.30	+ 8 33.2	0.992	1.959	11.2	18.2
9 28	0 52.22	+ 8 12.4	0.993	1.987	5.2	18.0
10 8	0 42.57	+ 7 42.4	1.017	2.016	1.8	17.9
10 18	0 33.87	+ 7 10.8	1.066	2.045	7.0	18.3
10 28	0 27.43	+ 6 45.9	1.137	2.076	12.1	18.7
11 7	0 23.97	+ 6 33.2	1.229	2.108	16.4	19.0

305831 2009 DN_{129} 10 5.3 166°.90 0°.7/ 6.1 18

8 29	1 8.52	+ 9 41.7	2.024	2.841	14.2	21.0
9 8	1 4.46	+ 9 17.3	1.944	2.842	11.1	20.8
9 18	0 58.44	+ 8 38.7	1.885	2.843	7.5	20.6
9 28	0 51.00	+ 7 48.7	1.852	2.844	3.5	20.3
10 8	0 42.96	+ 6 51.9	1.846	2.845	1.1	20.2
10 18	0 35.19	+ 5 54.3	1.870	2.845	5.0	20.5
10 28	0 28.58	+ 5 1.9	1.920	2.846	8.9	20.7
11 7	0 23.78	+ 4 20.1	1.996	2.846	12.3	20.9

340526 2006 JD_{37} 10 5.3 175°.25 2°.6/ 2.7 18

8 29	1 11.14	− 0 36.8	2.234	3.069	12.4	21.8
9 8	1 6.20	− 1 21.5	2.158	3.072	9.5	21.6
9 18	0 59.44	− 2 12.5	2.107	3.074	6.2	21.4
9 28	0 51.40	− 3 5.0	2.083	3.075	3.1	21.2
10 8	0 42.83	− 3 53.6	2.088	3.076	3.3	21.3
10 18	0 34.56	− 4 33.2	2.121	3.076	6.4	21.5
10 28	0 27.39	− 4 59.8	2.183	3.076	9.6	21.7
11 7	0 21.91	− 5 11.2	2.269	3.075	12.5	21.9

12449 1996 XL_{31} 10 5.3 149°.40 2°.0/ 3.6 18

8 29	1 11.80	+ 3 16.4	1.693	2.535	15.5	18.0
9 8	1 7.24	+ 2 24.7	1.625	2.541	11.8	17.8
9 18	1 0.36	+ 1 20.9	1.578	2.547	7.6	17.6
9 28	0 51.85	+ 0 10.9	1.557	2.552	3.3	17.3
10 8	0 42.68	− 0 57.7	1.563	2.557	2.9	17.3
10 18	0 33.93	− 1 57.5	1.597	2.562	7.1	17.6
10 28	0 26.64	− 2 42.2	1.657	2.566	11.2	17.8
11 7	0 21.51	− 3 8.1	1.740	2.569	14.8	18.1

78670 2002 TA_{108} 10 5.3 103°.63 4°.6/ 1.4 18

8 29	1 11.18	− 2 30.6	1.522	2.382	16.0	19.5
9 8	1 6.91	− 3 44.5	1.466	2.392	12.2	19.3
9 18	1 0.19	− 5 5.9	1.431	2.401	8.1	19.0
9 28	0 51.77	− 6 26.1	1.421	2.411	4.9	18.9
10 8	0 42.72	− 7 35.8	1.438	2.420	5.7	19.0
10 18	0 34.21	− 8 27.4	1.480	2.428	9.2	19.2
10 28	0 27.30	− 8 55.8	1.547	2.437	13.1	19.4
11 7	0 22.71	− 9 0.2	1.635	2.446	16.4	19.7

67622 2000 SJ_{176} 10 5.3 271°.66 3°.4/ 7.7 18

8 29	1 13.64	+13 13.9	1.466	2.283	18.7	19.3
9 8	1 9.45	+13 36.2	1.380	2.273	15.1	19.0
9 18	1 2.33	+13 39.9	1.313	2.263	10.9	18.7
9 28	0 52.89	+13 24.3	1.268	2.253	6.3	18.5
10 8	0 42.26	+12 52.2	1.248	2.242	3.4	18.3
10 18	0 31.82	+12 9.0	1.254	2.232	6.6	18.4
10 28	0 23.01	+11 23.2	1.286	2.221	11.4	18.7
11 7	0 16.89	+10 43.2	1.340	2.211	15.8	18.9

508756 2017 UP_{37} 10 5.3 11°.13 0°.2/ 5.5 17

8 29	1 4.50	+ 7 25.3	0.824	1.714	23.2	20.1
9 8	1 3.44	+ 7 19.4	0.776	1.716	18.1	19.9
9 18	0 58.75	+ 6 50.2	0.743	1.720	12.0	19.6
9 28	0 51.35	+ 6 2.8	0.729	1.726	5.3	19.2
10 8	0 42.87	+ 5 7.0	0.735	1.733	1.8	19.0
10 18	0 35.12	+ 4 14.4	0.762	1.743	8.5	19.5
10 28	0 29.76	+ 3 36.2	0.808	1.754	14.6	19.9
11 7	0 27.75	+ 3 19.5	0.872	1.767	19.8	20.2

487360 2014 QY_{241} 10 5.3 310°.73 0°.9/ 4.5 17

8 29	1 10.34	+ 2 28.7	2.166	2.997	12.9	20.7
9 8	1 5.81	+ 2 26.8	2.075	2.985	10.0	20.5
9 18	0 59.33	+ 2 18.1	2.007	2.973	6.5	20.3
9 28	0 51.42	+ 2 5.3	1.966	2.961	2.8	20.0
10 8	0 42.82	+ 1 51.9	1.953	2.949	1.7	19.9
10 18	0 34.40	+ 1 41.9	1.968	2.938	5.5	20.2
10 28	0 27.03	+ 1 38.8	2.012	2.927	9.1	20.4
11 7	0 21.39	+ 1 45.3	2.079	2.916	12.4	20.6

175675 1995 CJ_{4} 10 5.3 320°.35 0°.7/ 6.0 18

8 29	1 7.77	+ 9 14.2	1.753	2.582	15.6	20.4
9 8	1 4.27	+ 8 55.3	1.670	2.575	12.2	20.2
9 18	0 58.52	+ 8 20.9	1.607	2.569	8.2	20.0
9 28	0 51.11	+ 7 33.5	1.570	2.563	3.8	19.7
10 8	0 42.93	+ 6 38.5	1.558	2.557	1.2	19.5
10 18	0 35.01	+ 5 42.2	1.574	2.551	5.7	19.8
10 28	0 28.36	+ 4 51.8	1.617	2.545	10.0	20.0
11 7	0 23.76	+ 4 13.3	1.682	2.540	13.8	20.2

455031 2015 TQ_{343} 10 5.3 56°.17 2°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.96	− 2 11.3	2.071	2.913	13.0	21.2
9 8	1 6.17	− 2 33.3	2.001	2.917	9.9	21.0
9 18	0 59.46	− 2 59.6	1.954	2.922	6.5	20.8
9 28	0 51.42	− 3 25.8	1.934	2.926	3.4	20.6
10 8	0 42.85	− 3 47.2	1.942	2.931	3.4	20.6
10 18	0 34.63	− 3 59.5	1.978	2.935	6.6	20.8
10 28	0 27.59	− 3 59.8	2.041	2.940	9.9	21.0
11 7	0 22.37	− 3 46.5	2.128	2.945	12.9	21.2

516552 2006 VT_{46} 10 5.3 356°.83 0°.0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.67	+ 6 53.4	1.817	2.650	15.0	21.5
9 8	1 4.80	+ 6 38.4	1.739	2.648	11.6	21.3
9 18	0 58.77	+ 6 10.9	1.683	2.647	7.7	21.1
9 28	0 51.19	+ 5 33.8	1.652	2.647	3.4	20.8
10 8	0 42.92	+ 4 52.0	1.648	2.647	1.2	20.7
10 18	0 34.95	+ 4 11.4	1.672	2.647	5.6	21.0
10 28	0 28.26	+ 3 37.6	1.722	2.647	9.8	21.2
11 7	0 23.54	+ 3 15.4	1.796	2.647	13.3	21.5

238595 2005 AW_{5} 10 5.3 89°.85 8°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.47	−14 30.4	1.776	2.634	14.2	19.9
9 8	1 6.83	−15 48.7	1.727	2.641	11.4	19.7
9 18	0 59.98	−17 2.2	1.701	2.649	9.0	19.6
9 28	0 51.64	−18 2.0	1.700	2.657	8.0	19.5
10 8	0 42.79	−18 40.8	1.724	2.665	9.0	19.6
10 18	0 34.45	−18 54.1	1.774	2.673	11.3	19.8
10 28	0 27.58	−18 40.7	1.847	2.680	13.9	20.0
11 7	0 22.81	−18 2.9	1.939	2.688	16.3	20.2

383545 2007 DQ_{91} 10 5.4 309°.90 0°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.16	+ 7 10.7	1.389	2.238	17.9	21.0
9 8	1 6.05	+ 6 58.6	1.304	2.221	14.1	20.7
9 18	1 0.11	+ 6 30.0	1.237	2.205	9.4	20.4
9 28	0 51.95	+ 5 47.6	1.194	2.189	4.2	20.1
10 8	0 42.63	+ 4 57.6	1.175	2.173	1.5	19.8
10 18	0 33.50	+ 4 7.6	1.181	2.158	7.1	20.2
10 28	0 25.94	+ 3 26.4	1.212	2.143	12.3	20.4
11 7	0 20.97	+ 3 0.5	1.264	2.129	16.9	20.6

98004 2000 QU_{202} 10 5.4 63°.48 2°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.08	+ 2 15.4	1.179	2.039	19.7	18.8
9 8	1 11.10	+ 1 48.8	1.135	2.060	15.0	18.6
9 18	1 3.07	+ 1 10.4	1.110	2.082	9.7	18.4
9 28	0 53.01	+ 0 26.7	1.108	2.104	4.2	18.1
10 8	0 42.35	− 0 13.9	1.131	2.127	3.2	18.1
10 18	0 32.59	− 0 44.0	1.179	2.149	8.2	18.5
10 28	0 25.02	− 0 57.9	1.251	2.171	13.0	18.8
11 7	0 20.36	− 0 53.3	1.343	2.193	17.1	19.2

355766 2008 RR_{38} 10 5.4 289°.80 0°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.07	+ 5 33.4	4.301	5.115	7.3	21.2
9 8	0 57.02	+ 5 6.5	4.210	5.110	5.6	21.1
9 18	0 53.11	+ 4 34.3	4.144	5.106	3.6	21.0
9 28	0 48.62	+ 3 58.5	4.107	5.101	1.5	20.8
10 8	0 43.88	+ 3 21.4	4.100	5.097	0.7	20.7
10 18	0 39.24	+ 2 45.4	4.123	5.093	2.9	20.9
10 28	0 35.05	+ 2 13.0	4.176	5.088	4.9	21.1
11 7	0 31.63	+ 1 46.1	4.256	5.084	6.7	21.2

406285 2007 EG_{174} 10 5.4 91°.65 1°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.10	+ 9 7.5	2.321	3.129	12.9	20.7
9 8	1 5.37	+ 9 7.9	2.244	3.137	10.1	20.5
9 18	0 58.89	+ 8 57.7	2.190	3.145	6.8	20.3
9 28	0 51.18	+ 8 38.4	2.162	3.153	3.3	20.1
10 8	0 42.97	+ 8 13.2	2.163	3.161	1.2	19.9
10 18	0 35.03	+ 7 45.8	2.193	3.169	4.4	20.2
10 28	0 28.15	+ 7 20.7	2.252	3.177	7.8	20.4
11 7	0 22.90	+ 7 1.6	2.336	3.185	10.8	20.6

520601 2014 OK_{406} 10 5.4 145°.52 3°.6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.36	− 3 50.7	2.410	3.257	11.3	22.0
9 8	1 2.43	− 4 56.0	2.342	3.261	8.6	21.8
9 18	0 56.91	− 6 5.4	2.298	3.265	5.8	21.6
9 28	0 50.31	− 7 13.5	2.282	3.268	3.7	21.5
10 8	0 43.28	− 8 14.4	2.294	3.272	4.4	21.6
10 18	0 36.52	− 9 3.3	2.335	3.275	6.9	21.7
10 28	0 30.70	− 9 36.5	2.403	3.278	9.6	21.9
11 7	0 26.35	− 9 52.4	2.494	3.281	12.1	22.1

362856 2012 BP_{38} 10 5.4 333°.19 6°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.58	−10 27.0	1.830	2.696	13.5	20.3
9 8	1 3.17	−11 47.4	1.766	2.689	10.6	20.2
9 18	0 57.69	−13 8.2	1.724	2.683	8.0	20.0
9 28	0 50.72	−14 20.9	1.707	2.677	6.7	19.9
10 8	0 43.13	−15 17.5	1.716	2.672	7.8	20.0
10 18	0 35.86	−15 52.0	1.751	2.667	10.4	20.1
10 28	0 29.84	−16 1.3	1.810	2.662	13.3	20.3
11 7	0 25.72	−15 45.7	1.888	2.658	16.0	20.5

405309 2003 US_{57} 10 5.4 3°.25 3°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.43	+18 18.0	2.139	2.919	14.7	20.2
9 8	1 2.88	+18 20.9	2.054	2.919	12.1	20.0
9 18	0 57.44	+18 5.9	1.989	2.919	9.0	19.8
9 28	0 50.61	+17 33.1	1.948	2.920	5.9	19.6
10 8	0 43.17	+16 45.2	1.934	2.920	3.8	19.5
10 18	0 35.95	+15 46.8	1.947	2.921	5.1	19.6
10 28	0 29.82	+14 44.4	1.988	2.922	8.0	19.8
11 7	0 25.42	+13 44.6	2.055	2.924	11.1	20.0

255415 2005 XQ_{23} 10 5.4 218°.82 0°.8/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.80	+ 4 25.4	2.679	3.500	11.0	21.4
9 8	1 3.46	+ 3 55.5	2.588	3.492	8.5	21.3
9 18	0 57.59	+ 3 17.3	2.521	3.485	5.5	21.1
9 28	0 50.63	+ 2 33.9	2.481	3.476	2.3	20.8
10 8	0 43.17	+ 1 49.1	2.471	3.468	1.4	20.8
10 18	0 35.88	+ 1 7.2	2.491	3.459	4.6	21.0
10 28	0 29.41	+ 0 32.2	2.540	3.450	7.7	21.2
11 7	0 24.32	+ 0 7.2	2.614	3.440	10.5	21.3

513952 2014 DC_{147} 10 5.4 194°.16 4°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.14	+18 53.7	2.149	2.912	15.2	21.8
9 8	1 8.11	+19 17.2	2.058	2.911	12.6	21.6
9 18	1 0.94	+19 23.7	1.987	2.909	9.5	21.4
9 28	0 52.16	+19 12.0	1.941	2.907	6.5	21.3
10 8	0 42.62	+18 43.5	1.922	2.904	4.5	21.1
10 18	0 33.27	+18 1.9	1.932	2.901	5.6	21.2
10 28	0 25.10	+17 13.0	1.969	2.897	8.5	21.4
11 7	0 18.85	+16 23.6	2.032	2.893	11.6	21.6

485029 2009 WH_{98} 10 5.4 236°.08 3°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.41	+18 8.6	2.572	3.340	12.8	21.5
9 8	1 2.57	+18 1.3	2.477	3.336	10.5	21.4
9 18	0 57.09	+17 38.2	2.403	3.331	7.8	21.2
9 28	0 50.44	+17 0.0	2.354	3.326	5.0	21.0
10 8	0 43.25	+16 9.1	2.334	3.321	3.2	20.9
10 18	0 36.22	+15 9.4	2.342	3.315	4.4	20.9
10 28	0 30.09	+14 6.4	2.379	3.310	7.1	21.1
11 7	0 25.41	+13 5.9	2.443	3.305	9.9	21.3

237440 1999 RQ_{148} 10 5.4 25°.98 2°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.42	+10 52.9	1.113	1.968	21.0	19.1
9 8	1 5.52	+11 1.8	1.068	1.985	16.5	18.9
9 18	0 59.61	+10 49.1	1.039	2.003	11.3	18.7
9 28	0 51.60	+10 17.4	1.032	2.023	5.7	18.5
10 8	0 42.88	+ 9 33.3	1.047	2.044	2.3	18.3
10 18	0 34.90	+ 8 45.2	1.086	2.067	6.7	18.7
10 28	0 28.96	+ 8 2.6	1.149	2.091	11.7	19.0
11 7	0 25.83	+ 7 32.4	1.232	2.115	16.0	19.3

94157 2001 AG_{10} 10 5.4 134°.36 4°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.47	− 5 41.9	2.265	3.117	11.7	18.9
9 8	1 2.62	− 6 51.7	2.199	3.120	9.0	18.7
9 18	0 57.10	− 8 4.7	2.157	3.122	6.2	18.5
9 28	0 50.43	− 9 14.7	2.142	3.124	4.4	18.4
10 8	0 43.28	−10 15.4	2.155	3.126	5.2	18.5
10 18	0 36.42	−11 1.7	2.196	3.128	7.7	18.6
10 28	0 30.56	−11 30.2	2.262	3.130	10.4	18.8
11 7	0 26.26	−11 39.5	2.352	3.132	12.9	19.0

142373 2002 RJ_{244} 10 5.4 342°.18 1°.1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.69	+ 6 17.7	1.100	1.975	19.7	19.8
9 8	1 2.27	+ 5 41.7	1.030	1.963	15.3	19.5
9 18	0 57.81	+ 4 44.7	0.977	1.952	10.1	19.2
9 28	0 51.00	+ 3 32.2	0.946	1.943	4.2	18.8
10 8	0 43.05	+ 2 14.0	0.937	1.934	2.4	18.7
10 18	0 35.45	+ 1 1.8	0.951	1.927	8.4	19.0
10 28	0 29.69	+ 0 6.7	0.987	1.922	14.1	19.3
11 7	0 26.78	− 0 24.4	1.042	1.917	18.9	19.6

67692 2000 SX_{320} 10 5.4 237°.08 1°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.22	+12 4.7	1.477	2.302	18.2	18.9
9 8	1 7.38	+11 50.7	1.398	2.299	14.5	18.7
9 18	1 0.82	+11 16.2	1.338	2.295	10.0	18.4
9 28	0 52.20	+10 23.0	1.302	2.292	5.1	18.1
10 8	0 42.63	+ 9 16.6	1.290	2.288	2.0	17.9
10 18	0 33.38	+ 8 5.2	1.306	2.284	6.3	18.2
10 28	0 25.74	+ 6 58.3	1.347	2.280	11.1	18.4
11 7	0 20.62	+ 6 4.0	1.410	2.276	15.5	18.7

351176 2004 BP_{62} 10 5.4 221°.12 3°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.26	− 2 12.4	2.331	3.171	11.8	22.5
9 8	1 4.80	− 3 5.1	2.247	3.162	9.0	22.3
9 18	0 58.59	− 4 3.7	2.187	3.154	6.0	22.1
9 28	0 51.11	− 5 2.9	2.154	3.144	3.4	21.9
10 8	0 43.06	− 5 57.3	2.151	3.134	3.9	21.9
10 18	0 35.22	− 6 41.4	2.176	3.124	6.7	22.1
10 28	0 28.35	− 7 11.3	2.228	3.113	9.8	22.2
11 7	0 23.07	− 7 24.8	2.305	3.102	12.6	22.4

362995 2013 CY_{138} 10 5.4 331°.02 0°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.66	+ 8 56.9	1.745	2.574	15.6	20.5
9 8	1 4.98	+ 8 49.2	1.663	2.568	12.3	20.3
9 18	0 59.03	+ 8 27.1	1.601	2.562	8.3	20.0
9 28	0 51.39	+ 7 52.7	1.564	2.557	3.9	19.8
10 8	0 42.96	+ 7 10.6	1.553	2.552	1.3	19.6
10 18	0 34.78	+ 6 26.6	1.570	2.547	5.6	19.9
10 28	0 27.91	+ 5 47.3	1.612	2.542	9.9	20.1
11 7	0 23.11	+ 5 18.3	1.679	2.538	13.7	20.3

57507 2001 SM_{268} 10 5.4 354°.48 2°.0/ 3.6 18

8 29	1 7.67	+ 2 1.8	1.706	2.557	14.9	18.7
9 8	1 4.15	+ 1 28.2	1.633	2.555	11.4	18.5
9 18	0 58.42	+ 0 44.7	1.582	2.553	7.4	18.3
9 28	0 51.10	− 0 3.8	1.556	2.551	3.3	18.0
10 8	0 43.08	− 0 50.8	1.556	2.550	2.9	18.0
10 18	0 35.40	− 1 30.0	1.583	2.549	6.9	18.2
10 28	0 29.03	− 1 55.9	1.635	2.549	11.0	18.5
11 7	0 24.71	− 2 5.2	1.710	2.550	14.5	18.7

344030 2012 JA_{64} 10 5.4 275°.39 3°.8/10.5 18

8 29	1 4.88	+21 43.1	2.467	3.221	13.7	21.1
9 8	1 1.52	+21 17.6	2.367	3.213	11.4	20.9
9 18	0 56.48	+20 32.3	2.287	3.205	8.7	20.7
9 28	0 50.21	+19 27.6	2.233	3.196	5.9	20.5
10 8	0 43.39	+18 6.6	2.205	3.188	3.9	20.4
10 18	0 36.75	+16 34.2	2.207	3.180	4.7	20.4
10 28	0 31.04	+14 57.5	2.238	3.171	7.3	20.6
11 7	0 26.84	+13 23.8	2.296	3.163	10.2	20.8

435102 2007 DK_{24} 10 5.4 212°.53 0°.3/ 5.1 17

8 29	1 10.91	+ 7 8.3	1.873	2.699	14.8	22.4
9 8	1 6.53	+ 6 33.6	1.789	2.695	11.5	22.2
9 18	0 59.96	+ 5 44.9	1.726	2.689	7.6	22.0
9 28	0 51.77	+ 4 45.7	1.689	2.683	3.3	21.7
10 8	0 42.84	+ 3 41.8	1.679	2.677	1.4	21.6
10 18	0 34.16	+ 2 40.1	1.698	2.671	5.9	21.8
10 28	0 26.74	+ 1 47.3	1.745	2.663	10.1	22.1
11 7	0 21.32	+ 1 8.5	1.815	2.656	13.7	22.3

65987 1998 HD_{152} 10 5.4 167°.07 2°.4/ 7.7 18

8 29	1 10.94	+13 58.4	1.995	2.791	15.1	19.8
9 8	1 6.43	+13 50.7	1.912	2.794	12.1	19.6
9 18	0 59.82	+13 26.2	1.851	2.796	8.6	19.4
9 28	0 51.68	+12 46.2	1.814	2.798	4.8	19.1
10 8	0 42.88	+11 54.5	1.805	2.800	2.4	19.0
10 18	0 34.36	+10 56.4	1.825	2.801	5.0	19.2
10 28	0 27.07	+ 9 58.7	1.872	2.802	8.7	19.4
11 7	0 21.72	+ 9 7.8	1.944	2.803	12.2	19.6

469853 2005 TE_{191} 10 5.4 5°.74 4°.1/ 2.9 18

8 29	1 5.64	− 1 4.3	0.985	1.878	20.0	19.8
9 8	1 3.83	− 1 34.8	0.934	1.877	15.3	19.6
9 18	0 58.78	− 2 15.4	0.900	1.878	10.1	19.3
9 28	0 51.37	− 2 57.7	0.886	1.882	5.1	19.0
10 8	0 43.01	− 3 31.6	0.894	1.887	5.2	19.1
10 18	0 35.29	− 3 48.8	0.925	1.893	10.1	19.4
10 28	0 29.67	− 3 43.6	0.976	1.902	15.2	19.7
11 7	0 27.03	− 3 15.0	1.045	1.912	19.5	20.0

183131 2002 RG_{202} 10 5.4 8°.49 2°.9/ 8.2 18

8 29	1 7.11	+15 15.8	1.676	2.487	17.0	20.1
9 8	1 3.88	+15 5.6	1.599	2.487	13.7	19.9
9 18	0 58.33	+14 34.6	1.541	2.488	9.8	19.7
9 28	0 51.09	+13 44.2	1.506	2.489	5.7	19.4
10 8	0 43.10	+12 38.8	1.497	2.491	2.9	19.3
10 18	0 35.44	+11 25.5	1.515	2.493	5.5	19.4
10 28	0 29.14	+10 12.9	1.559	2.496	9.6	19.7
11 7	0 24.99	+ 9 9.0	1.627	2.499	13.4	19.9

71691 2000 FH_{37} 10 5.4 316°.69 2°.3/ 2.7 18

8 29	1 3.85	+ 2 2.5	2.055	2.903	12.9	18.5
9 8	1 0.95	+ 0 58.8	1.968	2.889	9.8	18.3
9 18	0 56.22	− 0 15.9	1.903	2.874	6.4	18.1
9 28	0 50.15	− 1 36.0	1.866	2.860	3.0	17.8
10 8	0 43.44	− 2 54.9	1.856	2.846	3.2	17.8
10 18	0 36.90	− 4 5.4	1.873	2.833	6.7	18.0
10 28	0 31.37	− 5 1.4	1.918	2.820	10.3	18.2
11 7	0 27.48	− 5 39.2	1.985	2.807	13.5	18.4

20641 Yenuanchen 10 5.4 22°.98 1°.3/ 4.0 18

8 29	1 6.76	+ 3 48.6	1.888	2.731	14.1	18.5
9 8	1 3.20	+ 3 11.2	1.818	2.735	10.8	18.3
9 18	0 57.66	+ 2 23.3	1.770	2.739	6.9	18.0
9 28	0 50.73	+ 1 29.4	1.748	2.744	2.9	17.8
10 8	0 43.24	+ 0 35.5	1.753	2.749	2.2	17.8
10 18	0 36.09	− 0 12.4	1.786	2.754	6.1	18.0
10 28	0 30.13	− 0 48.9	1.845	2.760	9.9	18.3
11 7	0 26.00	− 1 10.5	1.927	2.766	13.1	18.5

510029 2010 CF_{31} 10 5.4 103°.68 1°.3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.91	+10 18.6	2.057	2.860	14.5	21.8
9 8	1 8.40	+10 14.1	1.992	2.881	11.3	21.6
9 18	1 0.92	+ 9 56.6	1.949	2.901	7.7	21.4
9 28	0 52.09	+ 9 28.0	1.932	2.921	3.8	21.2
10 8	0 42.78	+ 8 52.2	1.944	2.941	1.4	21.1
10 18	0 33.91	+ 8 13.9	1.984	2.960	4.8	21.4
10 28	0 26.35	+ 7 38.4	2.054	2.979	8.4	21.6
11 7	0 20.70	+ 7 10.2	2.148	2.997	11.6	21.9

121904 2000 DS_{51} 10 5.4 214°.03 0°.0/ 5.2 18

8 29	1 7.02	+ 6 51.0	2.727	3.541	11.1	20.3
9 8	1 2.85	+ 6 26.6	2.637	3.536	8.5	20.1
9 18	0 57.20	+ 5 53.1	2.571	3.531	5.6	19.9
9 28	0 50.50	+ 5 12.9	2.532	3.526	2.4	19.7
10 8	0 43.33	+ 4 29.6	2.522	3.520	0.9	19.6
10 18	0 36.33	+ 3 47.0	2.542	3.514	4.2	19.8
10 28	0 30.13	+ 3 9.4	2.592	3.508	7.3	20.0
11 7	0 25.27	+ 2 40.2	2.667	3.502	10.0	20.2

393743 2005 CU_{65} 10 5.4 294°.56 6°.6/28.5 18

8 29	1 7.25	− 7 11.7	1.696	2.562	14.3	20.5
9 8	1 4.13	− 8 49.4	1.608	2.535	11.2	20.2
9 18	0 58.64	−10 34.7	1.542	2.507	8.2	20.0
9 28	0 51.32	−12 17.9	1.502	2.480	6.6	19.9
10 8	0 43.03	−13 48.4	1.489	2.452	8.0	19.9
10 18	0 34.84	−14 56.8	1.500	2.424	11.2	20.0
10 28	0 27.89	−15 36.9	1.536	2.396	14.9	20.2
11 7	0 23.05	−15 46.8	1.590	2.369	18.2	20.3

221035 2005 QZ_{65} 10 5.4 31°.38 1°.8/ 3.8 18

8 29	1 6.36	+ 6 4.7	1.266	2.128	18.4	19.4
9 8	1 3.72	+ 4 55.9	1.208	2.135	14.1	19.2
9 18	0 58.39	+ 3 28.0	1.170	2.143	9.1	18.9
9 28	0 51.14	+ 1 48.9	1.155	2.152	3.8	18.6
10 8	0 43.15	+ 0 9.5	1.165	2.161	3.0	18.6
10 18	0 35.70	− 1 18.6	1.200	2.170	8.0	18.9
10 28	0 29.98	− 2 26.2	1.259	2.181	12.9	19.3
11 7	0 26.76	− 3 8.3	1.339	2.191	17.0	19.5

38403 1999 RU_{197} 10 5.4 212°.85 3°.2/ 8.9 18

8 29	1 7.52	+18 22.0	1.912	2.697	16.1	17.8
9 8	1 3.97	+17 48.8	1.824	2.695	13.1	17.6
9 18	0 58.29	+16 52.7	1.756	2.693	9.6	17.4
9 28	0 51.07	+15 35.1	1.712	2.691	5.8	17.2
10 8	0 43.16	+14 0.8	1.696	2.688	3.2	17.0
10 18	0 35.52	+12 17.2	1.708	2.685	5.2	17.1
10 28	0 29.11	+10 33.7	1.747	2.682	8.9	17.4
11 7	0 24.65	+ 8 59.3	1.813	2.679	12.5	17.6

383514 2007 CK_{34} 10 5.4 308°.57 2°.4/ 8.6 17

8 29	1 5.30	+15 19.0	2.969	3.745	11.1	21.1
9 8	1 1.53	+15 23.7	2.868	3.735	9.0	21.0
9 18	0 56.35	+15 17.0	2.791	3.726	6.6	20.8
9 28	0 50.16	+14 59.1	2.739	3.716	4.0	20.6
10 8	0 43.48	+14 32.1	2.716	3.706	2.4	20.5
10 18	0 36.91	+13 58.6	2.722	3.697	3.8	20.6
10 28	0 31.06	+13 22.5	2.758	3.687	6.3	20.7
11 7	0 26.43	+12 47.9	2.820	3.678	8.8	20.9

485585 2011 UU_{203} 10 5.4 320°.14 3°.3/ 2.6 17

8 29	1 7.79	− 1 6.6	1.622	2.482	15.2	21.8
9 8	1 4.54	− 1 44.9	1.538	2.464	11.7	21.5
9 18	0 58.89	− 2 31.6	1.474	2.446	7.7	21.2
9 28	0 51.41	− 3 21.0	1.436	2.429	4.0	21.0
10 8	0 43.03	− 4 5.7	1.423	2.412	4.3	21.0
10 18	0 34.84	− 4 38.8	1.436	2.396	8.2	21.2
10 28	0 27.98	− 4 54.7	1.473	2.380	12.4	21.4
11 7	0 23.30	− 4 50.7	1.532	2.365	16.2	21.6

103482 2000 AB_{227} 10 5.4 4°.41 1°.1/ 4.4 18

8 29	1 7.51	+ 5 2.1	1.642	2.488	15.7	19.8
9 8	1 4.12	+ 4 24.2	1.570	2.488	12.0	19.6
9 18	0 58.46	+ 3 33.0	1.519	2.488	7.8	19.3
9 28	0 51.16	+ 2 33.2	1.493	2.489	3.3	19.1
10 8	0 43.15	+ 1 31.7	1.493	2.490	2.1	19.0
10 18	0 35.49	+ 0 35.8	1.520	2.491	6.6	19.3
10 28	0 29.21	− 0 7.6	1.573	2.493	10.9	19.5
11 7	0 25.03	− 0 34.4	1.648	2.495	14.6	19.8

12652 2622 T_{-3} 10 5.4 120°.04 2°.0/ 8.0 18

8 29	1 7.13	+15 4.3	2.517	3.301	12.7	19.7
9 8	1 3.02	+14 39.0	2.438	3.312	10.1	19.6
9 18	0 57.33	+13 58.9	2.382	3.323	7.2	19.4
9 28	0 50.57	+13 5.9	2.351	3.334	4.1	19.2
10 8	0 43.37	+12 3.5	2.350	3.344	2.0	19.1
10 18	0 36.45	+10 56.7	2.378	3.354	4.0	19.3
10 28	0 30.47	+ 9 50.9	2.435	3.364	7.1	19.5
11 7	0 25.97	+ 8 51.5	2.518	3.373	9.9	19.7

45869 2000 VG_{34} 10 5.4 238°.68 0°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.66	+10 8.4	1.541	2.371	17.3	19.0
9 8	1 6.86	+ 9 38.7	1.460	2.365	13.6	18.8
9 18	1 0.46	+ 8 49.6	1.398	2.359	9.2	18.5
9 28	0 52.10	+ 7 44.2	1.360	2.353	4.3	18.2
10 8	0 42.80	+ 6 29.0	1.348	2.346	1.3	18.0
10 18	0 33.80	+ 5 12.5	1.363	2.339	6.3	18.3
10 28	0 26.31	+ 4 4.0	1.404	2.332	11.2	18.6
11 7	0 21.22	+ 3 10.9	1.467	2.325	15.4	18.8

451625 2012 FR_{68} 10 5.4 210°.92 2°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.89	− 2 28.2	2.521	3.356	11.2	20.9
9 8	1 5.11	− 2 53.8	2.440	3.353	8.5	20.8
9 18	0 58.72	− 3 23.1	2.384	3.350	5.6	20.6
9 28	0 51.18	− 3 52.2	2.355	3.346	3.0	20.4
10 8	0 43.15	− 4 17.2	2.355	3.343	3.1	20.4
10 18	0 35.35	− 4 34.3	2.385	3.339	5.8	20.6
10 28	0 28.49	− 4 40.6	2.443	3.335	8.8	20.8
11 7	0 23.11	− 4 34.5	2.525	3.331	11.4	20.9

69887 1998 SJ_{100} 10 5.4 194°.86 2°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.82	+12 33.1	2.152	2.944	14.3	19.2
9 8	1 8.56	+12 50.6	2.064	2.943	11.5	19.0
9 18	1 1.22	+12 55.0	1.997	2.941	8.1	18.8
9 28	0 52.34	+12 46.7	1.956	2.939	4.6	18.6
10 8	0 42.74	+12 27.8	1.943	2.937	2.5	18.5
10 18	0 33.35	+12 1.9	1.959	2.934	4.9	18.6
10 28	0 25.11	+11 34.0	2.003	2.931	8.4	18.8
11 7	0 18.75	+11 9.3	2.074	2.928	11.7	19.0

219207 1999 VO_{49} 10 5.4 41°.15 1°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.07	+ 0 53.8	1.896	2.737	14.1	19.4
9 8	1 6.42	+ 0 41.6	1.832	2.747	10.7	19.2
9 18	0 59.73	+ 0 22.7	1.790	2.758	7.0	19.0
9 28	0 51.64	+ 0 1.2	1.774	2.769	3.1	18.8
10 8	0 43.02	− 0 18.5	1.785	2.780	2.5	18.7
10 18	0 34.81	− 0 32.0	1.825	2.791	6.1	19.0
10 28	0 27.90	− 0 35.6	1.891	2.803	9.8	19.3
11 7	0 22.92	− 0 27.2	1.981	2.815	13.0	19.5

403472 2009 TB_{27} 10 5.4 328°.44 6°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.67	−11 58.1	1.860	2.711	13.9	19.9
9 8	1 8.70	−12 20.5	1.781	2.696	11.0	19.7
9 18	1 1.42	−12 39.4	1.725	2.682	8.2	19.5
9 28	0 52.45	−12 48.6	1.694	2.668	6.3	19.4
10 8	0 42.73	−12 42.3	1.689	2.654	7.0	19.4
10 18	0 33.32	−12 16.9	1.711	2.642	9.6	19.5
10 28	0 25.26	−11 31.4	1.758	2.629	12.8	19.7
11 7	0 19.32	−10 27.0	1.828	2.618	15.7	19.9

243499 2009 UA_{131} 10 5.4 347°.64 4°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.23	+27 35.5	4.254	4.940	9.3	20.0
9 8	0 58.83	+27 44.3	4.154	4.939	8.0	19.9
9 18	0 54.42	+27 40.9	4.075	4.938	6.6	19.8
9 28	0 49.29	+27 25.2	4.020	4.938	5.2	19.7
10 8	0 43.86	+26 57.7	3.993	4.937	4.2	19.7
10 18	0 38.52	+26 20.2	3.993	4.937	4.1	19.6
10 28	0 33.71	+25 35.3	4.023	4.936	5.0	19.7
11 7	0 29.79	+24 46.5	4.080	4.936	6.4	19.8

356094 2009 DQ_{142} 10 5.4 77°.31 1°.3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.84	+10 28.7	1.906	2.722	15.0	21.4
9 8	1 5.60	+10 17.8	1.833	2.729	11.8	21.2
9 18	0 59.29	+ 9 52.3	1.780	2.736	8.1	21.0
9 28	0 51.49	+ 9 14.4	1.753	2.743	4.0	20.8
10 8	0 43.09	+ 8 28.5	1.753	2.750	1.4	20.6
10 18	0 35.02	+ 7 40.2	1.781	2.757	5.1	20.9
10 28	0 28.22	+ 6 55.6	1.836	2.765	9.0	21.1
11 7	0 23.36	+ 6 20.0	1.916	2.772	12.4	21.4

422989 2003 SK_{50} 10 5.4 78°.46 3°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.12	+16 50.5	1.744	2.533	17.2	21.0
9 8	1 8.28	+17 2.9	1.680	2.553	14.0	20.9
9 18	1 1.09	+16 55.6	1.636	2.572	10.2	20.7
9 28	0 52.27	+16 28.7	1.615	2.591	6.4	20.5
10 8	0 42.83	+15 45.8	1.621	2.610	3.9	20.4
10 18	0 33.88	+14 52.4	1.654	2.629	5.7	20.5
10 28	0 26.46	+13 56.2	1.714	2.647	9.2	20.8
11 7	0 21.26	+13 4.4	1.799	2.666	12.6	21.1

302116 2001 OR_{52} 10 5.4 64°.49 5°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.95	− 7 39.8	1.730	2.587	14.5	20.4
9 8	1 7.11	− 8 36.5	1.686	2.607	11.1	20.2
9 18	1 0.15	− 9 33.5	1.664	2.628	7.8	20.1
9 28	0 51.79	−10 23.3	1.668	2.649	5.6	20.0
10 8	0 43.02	−10 59.2	1.699	2.670	6.3	20.1
10 18	0 34.85	−11 16.6	1.756	2.691	9.1	20.3
10 28	0 28.17	−11 13.6	1.838	2.712	12.1	20.5
11 7	0 23.56	−10 50.6	1.941	2.733	14.9	20.8

79837 1998 WB_{21} 10 5.4 12°.33 0°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.08	+ 3 57.1	0.989	1.870	21.0	18.2
9 8	1 5.73	+ 4 0.7	0.938	1.874	16.2	17.9
9 18	1 0.07	+ 3 49.5	0.904	1.879	10.6	17.6
9 28	0 51.98	+ 3 28.3	0.890	1.887	4.5	17.3
10 8	0 42.94	+ 3 4.4	0.898	1.896	2.1	17.2
10 18	0 34.59	+ 2 45.7	0.929	1.907	8.2	17.6
10 28	0 28.41	+ 2 39.2	0.981	1.919	13.7	18.0
11 7	0 25.31	+ 2 49.1	1.053	1.933	18.3	18.3

358966 2008 RY_{16} 10 5.4 327°.21 0°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.13	+11 7.3	4.134	4.924	8.0	21.2
9 8	0 57.92	+10 54.5	4.040	4.921	6.3	21.1
9 18	0 53.79	+10 34.5	3.971	4.919	4.3	20.9
9 28	0 49.02	+10 8.4	3.929	4.916	2.3	20.8
10 8	0 43.98	+ 9 38.1	3.916	4.913	0.9	20.7
10 18	0 39.04	+ 9 5.8	3.934	4.910	2.6	20.8
10 28	0 34.58	+ 8 34.3	3.982	4.907	4.7	21.0
11 7	0 30.94	+ 8 5.8	4.057	4.905	6.6	21.1

407030 2009 ST_{51} 10 5.4 129°.31 1°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.30	+ 6 17.5	2.307	3.135	12.4	21.4
9 8	1 1.76	+ 5 12.9	2.230	3.138	9.4	21.2
9 18	0 56.60	+ 3 56.2	2.176	3.141	6.1	21.0
9 28	0 50.30	+ 2 32.1	2.149	3.145	2.5	20.8
10 8	0 43.53	+ 1 6.5	2.151	3.147	1.8	20.8
10 18	0 37.02	− 0 14.1	2.183	3.150	5.3	21.0
10 28	0 31.46	− 1 23.8	2.244	3.153	8.6	21.2
11 7	0 27.41	− 2 18.4	2.329	3.156	11.6	21.4

296597 2009 RF_{52} 10 5.4 296°.66 0°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.87	+ 5 50.0	2.197	3.027	12.8	20.9
9 8	1 2.45	+ 5 13.7	2.101	3.011	9.9	20.6
9 18	0 57.21	+ 4 25.9	2.029	2.994	6.5	20.4
9 28	0 50.63	+ 3 29.9	1.983	2.978	2.7	20.1
10 8	0 43.40	+ 2 30.6	1.964	2.962	1.5	20.0
10 18	0 36.30	+ 1 33.8	1.975	2.946	5.3	20.3
10 28	0 30.16	+ 0 45.2	2.013	2.930	9.0	20.5
11 7	0 25.62	+ 0 9.1	2.075	2.914	12.3	20.6

348608 2005 XH_{92} 10 5.4 236°.36 5°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.78	+26 16.0	2.831	3.541	13.0	21.1
9 8	1 3.66	+26 20.8	2.723	3.529	11.2	20.9
9 18	0 57.88	+26 7.7	2.634	3.517	9.1	20.7
9 28	0 50.89	+25 35.6	2.569	3.504	6.9	20.6
10 8	0 43.31	+24 45.5	2.531	3.491	5.4	20.5
10 18	0 35.83	+23 40.3	2.522	3.477	5.5	20.5
10 28	0 29.20	+22 25.0	2.541	3.463	7.1	20.5
11 7	0 24.00	+21 5.9	2.587	3.449	9.4	20.7

285170 1996 BZ_{6} 10 5.4 251°.52 0°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.80	+ 5 33.5	1.709	2.544	15.7	22.0
9 8	1 7.54	+ 5 7.3	1.622	2.533	12.2	21.8
9 18	1 0.84	+ 4 27.7	1.555	2.521	8.0	21.5
9 28	0 52.28	+ 3 38.4	1.513	2.509	3.4	21.2
10 8	0 42.81	+ 2 45.2	1.499	2.496	1.7	21.1
10 18	0 33.55	+ 1 55.0	1.512	2.484	6.5	21.4
10 28	0 25.64	+ 1 14.6	1.551	2.471	11.0	21.6
11 7	0 19.93	+ 0 49.2	1.613	2.458	15.0	21.8

374777 2006 TZ_{1} 10 5.4 298°.92 0°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.47	+ 5 4.5	1.422	2.266	17.8	21.5
9 8	1 10.53	+ 5 12.4	1.318	2.232	14.1	21.1
9 18	1 3.45	+ 5 8.3	1.232	2.199	9.6	20.8
9 28	0 53.68	+ 4 54.1	1.170	2.165	4.3	20.4
10 8	0 42.25	+ 4 34.1	1.133	2.131	1.6	20.1
10 18	0 30.62	+ 4 14.3	1.121	2.097	7.6	20.4
10 28	0 20.43	+ 4 1.8	1.135	2.063	13.3	20.6
11 7	0 12.99	+ 4 2.3	1.169	2.029	18.4	20.8

426364 2013 NK_{16} 10 5.4 16°.90 3°.3/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.96	+ 3 32.9	0.981	1.869	20.5	20.3
9 8	1 2.51	+ 2 19.0	0.933	1.874	15.6	20.1
9 18	0 57.91	+ 0 45.9	0.902	1.880	10.0	19.8
9 28	0 51.04	− 0 55.8	0.891	1.888	4.6	19.5
10 8	0 43.31	− 2 32.3	0.904	1.897	4.7	19.6
10 18	0 36.23	− 3 50.5	0.938	1.907	9.9	19.9
10 28	0 31.20	− 4 41.0	0.994	1.919	15.1	20.2
11 7	0 29.03	− 5 0.5	1.069	1.931	19.5	20.6

517893 2015 TF_{67} 10 5.4 335°.03 0°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.70	+ 5 12.7	2.002	2.830	13.9	20.9
9 8	1 6.25	+ 5 14.5	1.919	2.825	10.8	20.7
9 18	0 59.75	+ 5 7.1	1.858	2.821	7.2	20.4
9 28	0 51.74	+ 4 52.9	1.823	2.817	3.1	20.2
10 8	0 43.04	+ 4 35.3	1.815	2.813	1.1	20.0
10 18	0 34.58	+ 4 18.7	1.836	2.810	5.3	20.3
10 28	0 27.30	+ 4 7.2	1.884	2.806	9.2	20.5
11 7	0 21.88	+ 4 4.5	1.956	2.803	12.6	20.7

255341 2005 WA_{64} 10 5.4 228.°60 1.°7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.42	+ 1 10.2	2.472	3.304	11.5	20.6
9 8	1 4.09	+ 0 37.9	2.386	3.298	8.8	20.4
9 18	0 58.12	− 0 1.0	2.324	3.291	5.7	20.2
9 28	0 50.98	− 0 43.0	2.290	3.284	2.6	20.0
10 8	0 43.31	− 1 23.6	2.284	3.277	2.4	19.9
10 18	0 35.84	− 1 58.5	2.307	3.269	5.4	20.1
10 28	0 29.27	− 2 23.7	2.359	3.261	8.6	20.3
11 7	0 24.18	− 2 36.6	2.435	3.253	11.4	20.5

523195 2016 UF_{149} 10 5.4 323.°99 5.°9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.60	− 7 14.7	1.622	2.488	14.8	21.0
9 8	1 5.06	− 8 19.2	1.552	2.479	11.5	20.7
9 18	0 59.16	− 9 26.9	1.504	2.470	8.2	20.5
9 28	0 51.52	−10 29.6	1.480	2.462	6.0	20.4
10 8	0 43.12	−11 18.7	1.482	2.454	7.0	20.4
10 18	0 35.05	−11 47.6	1.510	2.447	10.1	20.6
10 28	0 28.39	−11 52.4	1.561	2.439	13.7	20.8
11 7	0 23.91	−11 32.8	1.633	2.433	16.9	21.0

408634 2014 LO_{16} 10 5.4 93.°40 6.°2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.24	+27 9.6	2.429	3.138	15.0	21.0
9 8	1 6.41	+27 36.3	2.354	3.157	12.8	20.9
9 18	0 59.69	+27 43.1	2.299	3.175	10.4	20.8
9 28	0 51.66	+27 28.4	2.266	3.193	8.1	20.7
10 8	0 43.09	+26 53.3	2.259	3.211	6.5	20.6
10 18	0 34.83	+26 1.0	2.280	3.229	6.4	20.6
10 28	0 27.72	+24 57.3	2.329	3.246	7.9	20.8
11 7	0 22.37	+23 49.1	2.403	3.264	10.1	20.9

287340 2002 TU_{343} 10 5.4 33.°06 3.°7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.25	− 3 14.7	1.869	2.721	13.8	20.9
9 8	1 5.93	− 3 59.3	1.800	2.721	10.6	20.7
9 18	0 59.51	− 4 48.8	1.753	2.721	7.1	20.5
9 28	0 51.62	− 5 37.4	1.732	2.722	4.1	20.3
10 8	0 43.11	− 6 18.7	1.738	2.722	4.6	20.4
10 18	0 34.95	− 6 47.1	1.772	2.723	7.8	20.6
10 28	0 28.06	− 6 58.8	1.831	2.723	11.2	20.8
11 7	0 23.12	− 6 52.4	1.913	2.723	14.3	21.0

120345 2004 RQ_{193} 10 5.4 255.°80 4.°2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.91	+20 7.9	2.385	3.145	14.0	19.9
9 8	1 3.96	+20 14.9	2.289	3.139	11.6	19.7
9 18	0 58.18	+20 4.8	2.214	3.133	8.9	19.5
9 28	0 51.06	+19 37.2	2.163	3.126	6.1	19.3
10 8	0 43.29	+18 53.8	2.139	3.120	4.2	19.2
10 18	0 35.68	+17 58.4	2.143	3.113	5.1	19.2
10 28	0 29.05	+16 56.9	2.176	3.106	7.7	19.4
11 7	0 24.04	+15 55.4	2.234	3.100	10.5	19.6

482657 2013 BJ_{57} 10 5.4 13.°36 4.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.34	− 3 22.2	1.803	2.660	14.0	21.3
9 8	1 4.54	− 4 24.2	1.736	2.660	10.7	21.1
9 18	0 58.64	− 5 32.0	1.692	2.661	7.2	20.9
9 28	0 51.25	− 6 38.8	1.673	2.661	4.5	20.7
10 8	0 43.24	− 7 37.0	1.681	2.662	5.1	20.8
10 18	0 35.59	− 8 20.2	1.716	2.663	8.3	21.0
10 28	0 29.22	− 8 44.0	1.777	2.664	11.8	21.2
11 7	0 24.80	− 8 46.9	1.859	2.665	14.9	21.4

509451 2007 HT_{31} 10 5.4 205.°77 0.°8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.75	+ 9 41.0	1.990	2.802	14.6	22.6
9 8	1 7.12	+ 9 21.5	1.903	2.798	11.5	22.3
9 18	1 0.35	+ 8 47.7	1.837	2.793	7.8	22.1
9 28	0 52.02	+ 8 1.8	1.797	2.788	3.7	21.8
10 8	0 42.96	+ 7 8.4	1.785	2.783	1.2	21.6
10 18	0 34.13	+ 6 13.2	1.801	2.777	5.2	21.9
10 28	0 26.51	+ 5 22.7	1.846	2.770	9.3	22.2
11 7	0 20.81	+ 4 42.4	1.915	2.763	12.8	22.4

366287 2013 AR_{132} 10 5.4 208.°57 0.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.75	+ 4 16.5	5.428	6.237	6.0	21.7
9 8	0 57.39	+ 4 2.2	5.334	6.232	4.5	21.6
9 18	0 53.34	+ 3 44.4	5.266	6.227	2.9	21.5
9 28	0 48.83	+ 3 24.2	5.227	6.222	1.2	21.3
10 8	0 44.11	+ 3 3.4	5.219	6.217	0.6	21.3
10 18	0 39.46	+ 2 43.4	5.242	6.211	2.3	21.4
10 28	0 35.17	+ 2 26.1	5.295	6.205	4.0	21.5
11 7	0 31.49	+ 2 12.7	5.376	6.199	5.5	21.7

111489 2001 YH_{46} 10 5.4 352.°08 0.°3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.28	+ 7 45.7	1.870	2.699	14.7	19.8
9 8	1 4.52	+ 7 29.8	1.791	2.697	11.5	19.6
9 18	0 58.66	+ 7 0.8	1.733	2.695	7.7	19.4
9 28	0 51.28	+ 6 21.6	1.700	2.694	3.4	19.1
10 8	0 43.23	+ 5 37.0	1.695	2.693	1.1	19.0
10 18	0 35.46	+ 4 52.5	1.717	2.692	5.4	19.3
10 28	0 28.90	+ 4 14.3	1.766	2.692	9.5	19.5
11 7	0 24.26	+ 3 47.0	1.839	2.692	13.0	19.7

18142 Adamsidman 10 5.4 3.°16 1.°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.39	+ 6 24.8	1.009	1.889	20.7	17.8
9 8	1 2.93	+ 5 38.5	0.951	1.887	16.0	17.5
9 18	0 58.29	+ 4 29.9	0.910	1.886	10.5	17.2
9 28	0 51.28	+ 3 6.0	0.890	1.887	4.4	16.9
10 8	0 43.25	+ 1 38.5	0.892	1.889	2.7	16.8
10 18	0 35.75	+ 0 20.3	0.916	1.892	8.7	17.2
10 28	0 30.26	− 0 37.5	0.962	1.897	14.4	17.5
11 7	0 27.72	− 1 8.8	1.027	1.902	19.1	17.8

208117 2000 CJ_{119} 10 5.4 257.°68 2.°7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.09	+13 36.7	1.921	2.721	15.5	20.6
9 8	1 6.73	+13 46.4	1.836	2.719	12.5	20.4
9 18	1 0.16	+13 40.4	1.772	2.717	8.9	20.2
9 28	0 51.96	+13 19.0	1.732	2.715	5.1	20.0
10 8	0 43.00	+12 45.1	1.719	2.713	2.7	19.8
10 18	0 34.27	+12 3.4	1.734	2.710	5.2	20.0
10 28	0 26.79	+11 20.2	1.776	2.708	9.0	20.2
11 7	0 21.31	+10 41.8	1.843	2.706	12.5	20.4

91717 1999 TL_{155} 10 5.4 85.°81 0.°2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.75	+ 5 22.7	2.202	3.024	13.1	19.1
9 8	1 5.98	+ 5 15.1	2.129	3.032	10.1	18.9
9 18	0 59.39	+ 4 58.5	2.078	3.040	6.6	18.7
9 28	0 51.54	+ 4 35.7	2.054	3.049	2.8	18.5
10 8	0 43.17	+ 4 10.2	2.059	3.057	1.1	18.4
10 18	0 35.11	+ 3 46.2	2.092	3.065	4.9	18.7
10 28	0 28.16	+ 3 27.8	2.154	3.073	8.4	18.9
11 7	0 22.92	+ 3 18.2	2.241	3.081	11.5	19.1

117540 2005 EN 10 5.4 102.°71 1.°6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.59	+11 23.9	1.630	2.442	17.3	20.7
9 8	1 10.20	+11 9.4	1.570	2.464	13.6	20.5
9 18	1 2.35	+10 37.3	1.531	2.485	9.3	20.3
9 28	0 52.83	+ 9 50.4	1.516	2.506	4.6	20.1
10 8	0 42.74	+ 8 54.2	1.528	2.526	1.7	19.9
10 18	0 33.23	+ 7 55.6	1.569	2.545	5.7	20.3
10 28	0 25.39	+ 7 2.3	1.636	2.564	9.9	20.6
11 7	0 19.91	+ 6 20.1	1.727	2.583	13.6	20.8

514828 2008 AS_{25} 10 5.4 184.°88 6.°3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.06	−11 58.8	2.258	3.110	11.7	21.7
9 8	1 3.94	−13 25.0	2.196	3.110	9.3	21.6
9 18	0 58.07	−14 50.2	2.159	3.110	7.2	21.5
9 28	0 50.97	−16 7.1	2.148	3.110	6.3	21.4
10 8	0 43.38	−17 8.8	2.165	3.109	7.3	21.5
10 18	0 36.08	−17 50.6	2.209	3.108	9.4	21.6
10 28	0 29.82	−18 9.7	2.278	3.106	11.8	21.8
11 7	0 25.20	−18 6.4	2.367	3.105	14.0	21.9

300593 2007 TF_{412} 10 5.4 326.°92 4.°8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.79	+20 45.9	1.765	2.546	17.4	20.0
9 8	1 3.70	+20 39.8	1.678	2.541	14.4	19.8
9 18	0 58.32	+20 9.4	1.609	2.537	11.0	19.5
9 28	0 51.20	+19 14.3	1.564	2.532	7.4	19.3
10 8	0 43.29	+17 57.9	1.543	2.528	4.9	19.2
10 18	0 35.62	+16 26.6	1.550	2.524	6.0	19.2
10 28	0 29.28	+14 50.0	1.583	2.521	9.4	19.4
11 7	0 25.04	+13 18.0	1.640	2.518	13.0	19.6

474325 2002 CS_{286} 10 5.4 129.°71 3.°7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.56	+16 51.4	2.006	2.784	15.7	21.6
9 8	1 8.45	+17 3.1	1.929	2.795	12.7	21.4
9 18	1 1.18	+16 57.3	1.873	2.806	9.4	21.2
9 28	0 52.37	+16 34.0	1.842	2.816	5.9	21.0
10 8	0 42.90	+15 55.8	1.837	2.826	3.7	20.9
10 18	0 33.78	+15 7.3	1.861	2.835	5.3	21.0
10 28	0 25.96	+14 15.1	1.914	2.844	8.6	21.3
11 7	0 20.16	+13 25.9	1.991	2.852	11.8	21.5

155299 2005 YD_{25} 10 5.4 141.°92 0.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.55	+ 6 47.5	2.637	3.452	11.4	21.0
9 8	1 3.27	+ 6 19.2	2.559	3.459	8.7	20.8
9 18	0 57.50	+ 5 41.6	2.505	3.466	5.7	20.7
9 28	0 50.70	+ 4 57.5	2.478	3.472	2.5	20.4
10 8	0 43.49	+ 4 10.7	2.480	3.478	0.9	20.3
10 18	0 36.51	+ 3 25.5	2.512	3.484	4.3	20.6
10 28	0 30.41	+ 2 45.9	2.573	3.490	7.3	20.8
11 7	0 25.69	+ 2 15.5	2.660	3.495	10.0	21.0

475308 2005 YR_{15} 10 5.4 285.°37 0.°9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.96	+ 9 31.2	1.664	2.492	16.3	22.1
9 8	1 6.32	+ 9 17.4	1.569	2.473	12.9	21.8
9 18	1 0.19	+ 8 46.9	1.495	2.455	8.9	21.5
9 28	0 52.10	+ 8 1.8	1.444	2.437	4.2	21.2
10 8	0 42.97	+ 7 6.9	1.420	2.418	1.3	21.0
10 18	0 33.97	+ 6 8.9	1.423	2.400	6.1	21.2
10 28	0 26.27	+ 5 15.9	1.451	2.381	10.8	21.5
11 7	0 20.82	+ 4 34.8	1.503	2.363	15.0	21.7

125579 2001 XT_{24} 10 5.4 301°.46 4°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.17	+15 16.2	1.598	2.405	17.8	19.5
9 8	1 7.40	+15 39.3	1.509	2.394	14.6	19.2
9 18	1 0.97	+15 43.3	1.439	2.383	10.7	19.0
9 28	0 52.45	+15 27.5	1.392	2.372	6.6	18.7
10 8	0 42.86	+14 54.0	1.371	2.362	4.0	18.5
10 18	0 33.44	+14 7.7	1.375	2.352	6.3	18.6
10 28	0 25.47	+13 16.7	1.405	2.342	10.5	18.9
11 7	0 19.92	+12 29.2	1.458	2.332	14.6	19.1

356600 2011 TR_{7} 10 5.4 17°.18 0°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.12	+ 6 43.3	1.703	2.538	15.7	20.8
9 8	1 6.10	+ 6 35.5	1.630	2.540	12.2	20.6
9 18	0 59.79	+ 6 15.0	1.578	2.542	8.1	20.4
9 28	0 51.81	+ 5 44.9	1.551	2.545	3.6	20.1
10 8	0 43.13	+ 5 9.9	1.550	2.548	1.2	20.0
10 18	0 34.79	+ 4 35.7	1.577	2.552	5.8	20.3
10 28	0 27.84	+ 4 8.3	1.629	2.556	10.1	20.5
11 7	0 23.01	+ 3 52.0	1.705	2.560	13.8	20.8

414383 2008 UW_{368} 10 5.4 312°.87 5°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.35	−10 6.3	2.407	3.257	11.2	20.6
9 8	1 3.31	−10 56.5	2.334	3.251	8.7	20.4
9 18	0 57.63	−11 46.2	2.286	3.244	6.4	20.2
9 28	0 50.80	−12 30.0	2.265	3.238	5.1	20.2
10 8	0 43.48	−13 2.6	2.271	3.231	5.8	20.2
10 18	0 36.40	−13 20.2	2.304	3.225	8.0	20.3
10 28	0 30.27	−13 20.2	2.364	3.219	10.5	20.5
11 7	0 25.66	−13 2.6	2.445	3.214	12.8	20.6

366637 2003 SX_{140} 10 5.4 38°.00 7°.9/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.45	+21 55.9	1.024	1.840	25.0	20.1
9 8	1 8.38	+22 41.9	0.980	1.861	20.9	19.9
9 18	1 1.81	+22 53.5	0.951	1.883	16.1	19.7
9 28	0 52.76	+22 28.0	0.941	1.907	11.4	19.6
10 8	0 42.85	+21 29.2	0.950	1.931	8.1	19.5
10 18	0 33.82	+20 7.0	0.983	1.956	8.8	19.6
10 28	0 27.19	+18 35.7	1.037	1.982	12.4	19.9
11 7	0 23.83	+17 9.4	1.113	2.008	16.3	20.2

25182 Siddhawan 10 5.4 133°.47 0°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.49	+10 2.9	1.985	2.800	14.5	18.8
9 8	1 5.30	+ 9 37.7	1.908	2.805	11.4	18.6
9 18	0 59.10	+ 8 57.9	1.853	2.810	7.7	18.4
9 28	0 51.48	+ 8 6.3	1.823	2.815	3.6	18.2
10 8	0 43.27	+ 7 7.7	1.821	2.819	1.1	18.0
10 18	0 35.36	+ 6 8.2	1.848	2.823	5.0	18.3
10 28	0 28.65	+ 5 14.1	1.902	2.828	8.9	18.6
11 7	0 23.79	+ 4 30.7	1.981	2.831	12.3	18.8

151336 2002 CE_{217} 10 5.4 125°.26 0°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.01	+ 7 29.5	2.491	3.301	12.1	20.9
9 8	1 5.22	+ 7 16.3	2.416	3.312	9.4	20.7
9 18	0 58.82	+ 6 53.6	2.364	3.322	6.2	20.6
9 28	0 51.30	+ 6 23.6	2.339	3.332	2.8	20.4
10 8	0 43.34	+ 5 49.7	2.344	3.342	0.9	20.2
10 18	0 35.65	+ 5 16.1	2.378	3.351	4.3	20.5
10 28	0 28.95	+ 4 46.6	2.441	3.361	7.5	20.7
11 7	0 23.75	+ 4 24.8	2.530	3.370	10.3	20.9

264153 2009 VH_{80} 10 5.4 297°.75 4°.9/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.17	−19 43.4	4.223	5.059	7.0	20.1
9 8	0 57.97	−20 39.6	4.160	5.051	5.9	20.0
9 18	0 53.86	−21 31.7	4.123	5.044	5.0	19.9
9 28	0 49.11	−22 16.2	4.112	5.036	4.9	19.9
10 8	0 44.10	−22 50.2	4.130	5.028	5.5	19.9
10 18	0 39.21	−23 11.5	4.174	5.020	6.6	20.0
10 28	0 34.82	−23 19.0	4.242	5.013	7.8	20.1
11 7	0 31.27	−23 12.7	4.333	5.005	9.0	20.2

195307 2002 EC_{102} 10 5.4 148°.36 4°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.61	− 5 32.7	1.872	2.716	14.1	20.2
9 8	1 10.01	− 6 1.3	1.805	2.720	10.9	20.0
9 18	1 2.20	− 6 31.9	1.760	2.725	7.4	19.8
9 28	0 52.82	− 6 59.0	1.741	2.729	4.5	19.7
10 8	0 42.84	− 7 17.0	1.751	2.732	4.9	19.7
10 18	0 33.29	− 7 21.5	1.788	2.735	8.0	19.9
10 28	0 25.15	− 7 9.9	1.851	2.739	11.4	20.1
11 7	0 19.10	− 6 42.0	1.938	2.741	14.4	20.3

219489 2001 EG_{5} 10 5.4 247°.40 0°.4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.58	+ 7 20.3	2.611	3.417	11.7	20.9
9 8	1 5.78	+ 7 16.8	2.510	3.403	9.1	20.7
9 18	0 59.31	+ 7 4.4	2.433	3.389	6.1	20.5
9 28	0 51.59	+ 6 44.8	2.382	3.375	2.8	20.2
10 8	0 43.25	+ 6 20.8	2.362	3.360	0.9	20.0
10 18	0 35.02	+ 5 55.8	2.371	3.345	4.3	20.3
10 28	0 27.64	+ 5 33.6	2.409	3.329	7.6	20.5
11 7	0 21.72	+ 5 17.8	2.474	3.314	10.5	20.6

396487 2014 FA_{48} 10 5.4 201°.06 4°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.19	− 7 45.8	2.031	2.873	13.3	20.8
9 8	1 9.60	− 8 17.4	1.957	2.871	10.3	20.6
9 18	1 1.90	− 8 49.3	1.907	2.868	7.2	20.4
9 28	0 52.70	− 9 16.1	1.883	2.866	4.9	20.3
10 8	0 42.89	− 9 32.2	1.888	2.863	5.4	20.3
10 18	0 33.42	− 9 33.7	1.920	2.859	8.2	20.5
10 28	0 25.24	− 9 18.2	1.979	2.856	11.3	20.7
11 7	0 19.02	− 8 45.8	2.062	2.852	14.2	20.9

404460 2013 GN_{117} 10 5.4 78°.11 0°.9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.92	+ 5 0.1	2.144	2.974	13.1	21.5
9 8	1 3.85	+ 4 22.7	2.077	2.987	10.0	21.3
9 18	0 58.01	+ 3 35.3	2.034	2.999	6.5	21.1
9 28	0 50.98	+ 2 41.9	2.016	3.012	2.7	20.9
10 8	0 43.50	+ 1 47.7	2.028	3.024	1.6	20.8
10 18	0 36.35	+ 0 58.0	2.067	3.037	5.3	21.1
10 28	0 30.30	+ 0 17.7	2.135	3.049	8.7	21.4
11 7	0 25.90	− 0 9.7	2.227	3.061	11.7	21.6

44105 1998 GG_{11} 10 5.4 106°.76 0°.8/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.28	+ 8 26.7	1.588	2.411	17.2	19.7
9 8	1 10.87	+ 8 21.0	1.525	2.427	13.4	19.5
9 18	1 2.91	+ 8 0.5	1.483	2.442	9.0	19.3
9 28	0 53.16	+ 7 28.0	1.465	2.457	4.1	19.1
10 8	0 42.75	+ 6 48.6	1.474	2.472	1.3	18.9
10 18	0 32.88	+ 6 8.4	1.510	2.486	6.0	19.2
10 28	0 24.70	+ 5 34.2	1.574	2.500	10.4	19.5
11 7	0 18.95	+ 5 11.0	1.660	2.513	14.2	19.8

299223 2005 JD_{93} 10 5.4 203°.20 1°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.33	+10 58.6	2.177	2.975	14.0	21.2
9 8	1 8.20	+11 8.5	2.088	2.973	11.1	21.0
9 18	1 1.03	+11 6.1	2.021	2.970	7.7	20.7
9 28	0 52.37	+10 52.4	1.979	2.966	4.1	20.5
10 8	0 43.00	+10 29.8	1.966	2.962	1.8	20.4
10 18	0 33.83	+10 2.2	1.982	2.958	4.8	20.5
10 28	0 25.78	+ 9 34.6	2.027	2.954	8.4	20.8
11 7	0 19.55	+ 9 11.6	2.097	2.949	11.7	21.0

297196 2011 AY_{26} 10 5.4 309°.62 2°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.37	+21 12.8	4.252	4.984	8.7	20.5
9 8	0 58.17	+21 9.5	4.151	4.981	7.2	20.4
9 18	0 54.02	+20 55.7	4.072	4.977	5.6	20.3
9 28	0 49.21	+20 31.8	4.020	4.974	3.9	20.2
10 8	0 44.11	+19 59.0	3.996	4.970	2.9	20.1
10 18	0 39.10	+19 19.5	4.002	4.967	3.2	20.1
10 28	0 34.59	+18 35.8	4.037	4.964	4.6	20.2
11 7	0 30.91	+17 51.1	4.100	4.961	6.3	20.3

432767 2011 FC_{23} 10 5.4 141°.82 1°.0/ 4.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.11	+ 4 26.5	1.947	2.775	14.3	22.0
9 8	1 8.02	+ 3 53.4	1.877	2.785	11.0	21.8
9 18	1 0.86	+ 3 9.6	1.830	2.794	7.1	21.6
9 28	0 52.25	+ 2 19.5	1.809	2.804	3.0	21.3
10 8	0 43.08	+ 1 28.6	1.816	2.812	1.9	21.3
10 18	0 34.29	+ 0 42.7	1.852	2.820	5.9	21.6
10 28	0 26.81	+ 0 7.0	1.915	2.828	9.7	21.8
11 7	0 21.28	− 0 14.8	2.003	2.834	13.0	22.0

428674 2008 HB_{11} 10 5.4 121°.10 0°.6/ 5.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.12	+ 9 43.0	1.831	2.646	15.6	22.3
9 8	1 8.12	+ 9 11.7	1.765	2.662	12.1	22.1
9 18	1 0.96	+ 8 24.9	1.720	2.678	8.1	21.9
9 28	0 52.29	+ 7 26.2	1.701	2.693	3.7	21.7
10 8	0 43.07	+ 6 21.3	1.709	2.708	1.1	21.5
10 18	0 34.31	+ 5 17.0	1.747	2.722	5.4	21.8
10 28	0 26.96	+ 4 20.2	1.812	2.735	9.5	22.1
11 7	0 21.67	+ 3 36.1	1.901	2.748	12.9	22.3

167213 2003 UC_{19} 10 5.4 292°.97 1°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.83	+ 9 18.8	1.768	2.593	15.7	20.6
9 8	1 6.00	+ 9 10.5	1.679	2.582	12.4	20.3
9 18	0 59.85	+ 8 47.3	1.611	2.571	8.4	20.1
9 28	0 51.94	+ 8 11.3	1.568	2.560	4.0	19.8
10 8	0 43.16	+ 7 26.7	1.551	2.549	1.3	19.6
10 18	0 34.57	+ 6 39.7	1.561	2.538	5.6	19.8
10 28	0 27.25	+ 5 56.8	1.598	2.528	10.0	20.1
11 7	0 22.02	+ 5 24.1	1.659	2.517	13.9	20.3

82311 2001 KB_{54} 10 5.4 138°.79 1°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.39	+12 2.8	1.654	2.472	16.8	19.9
9 8	1 6.41	+11 26.3	1.579	2.477	13.3	19.6
9 18	1 0.05	+10 29.9	1.526	2.482	9.1	19.4
9 28	0 51.97	+ 9 16.9	1.496	2.487	4.4	19.1
10 8	0 43.17	+ 7 53.8	1.494	2.492	1.4	18.9
10 18	0 34.77	+ 6 28.9	1.519	2.496	5.7	19.3
10 28	0 27.81	+ 5 11.4	1.570	2.500	10.2	19.5
11 7	0 23.07	+ 4 8.2	1.646	2.503	14.1	19.8

327615 2006 FR_{27} 10 5.4 185°.02 0°.5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.84	+ 4 42.0	3.320	4.132	9.3	22.8
9 8	1 2.47	+ 4 13.3	3.232	4.132	7.1	22.7
9 18	0 56.89	+ 3 38.0	3.170	4.131	4.6	22.5
9 28	0 50.48	+ 2 58.5	3.135	4.130	1.9	22.3
10 8	0 43.70	+ 2 17.8	3.131	4.128	1.1	22.2
10 18	0 37.08	+ 1 39.3	3.158	4.126	3.8	22.4
10 28	0 31.12	+ 1 6.1	3.215	4.124	6.3	22.6
11 7	0 26.26	+ 0 40.7	3.298	4.120	8.6	22.8

408977 2002 QG_{113} 10 5.4 336°.57 3°.5/ 9.2 17

8 29	1 4.11	+17 35.1	1.963	2.757	15.4	20.4
9 8	1 1.43	+17 26.1	1.870	2.746	12.6	20.2
9 18	0 56.75	+16 57.1	1.797	2.735	9.4	20.0
9 28	0 50.56	+16 8.6	1.748	2.725	5.9	19.8
10 8	0 43.66	+15 4.0	1.725	2.715	3.5	19.6
10 18	0 36.92	+13 48.9	1.729	2.706	5.1	19.7
10 28	0 31.29	+12 31.1	1.760	2.698	8.6	19.9
11 7	0 27.46	+11 18.3	1.816	2.691	12.1	20.1

185116 2006 SO_{54} 10 5.4 332°.47 5°.5/ 1.3 18

8 29	1 10.86	− 7 21.7	1.580	2.444	15.3	19.4
9 8	1 6.94	− 7 58.1	1.507	2.433	11.9	19.1
9 18	1 0.51	− 8 36.1	1.455	2.422	8.4	18.9
9 28	0 52.22	− 9 8.6	1.427	2.411	5.8	18.7
10 8	0 43.09	− 9 28.3	1.424	2.402	6.4	18.8
10 18	0 34.30	− 9 29.8	1.447	2.393	9.7	18.9
10 28	0 26.99	− 9 10.0	1.494	2.384	13.4	19.1
11 7	0 21.98	− 8 29.1	1.562	2.377	16.8	19.3

136927 1998 MA_{3} 10 5.4 0°.42 7°.4/30.3 18

8 29	1 7.56	− 6 37.7	1.081	1.971	18.8	19.1
9 8	1 5.20	− 7 49.9	1.028	1.968	14.6	18.8
9 18	0 59.71	− 9 6.7	0.994	1.967	10.3	18.6
9 28	0 51.94	−10 16.2	0.981	1.966	7.5	18.5
10 8	0 43.23	−11 6.5	0.990	1.967	8.6	18.5
10 18	0 35.12	−11 28.8	1.022	1.969	12.5	18.8
10 28	0 29.00	−11 19.3	1.074	1.972	16.8	19.0
11 7	0 25.77	−10 39.7	1.144	1.976	20.6	19.3

428417 2007 TZ_{130} 10 5.4 327°.49 1°.5/ 4.6 15

8 29	1 11.06	+ 2 47.3	1.105	1.976	19.9	20.6
9 8	1 8.22	+ 2 46.5	1.031	1.962	15.6	20.3
9 18	1 2.01	+ 2 32.9	0.974	1.948	10.3	20.0
9 28	0 53.09	+ 2 10.9	0.938	1.935	4.5	19.6
10 8	0 42.78	+ 1 47.3	0.925	1.922	2.6	19.4
10 18	0 32.75	+ 1 30.0	0.935	1.911	8.7	19.8
10 28	0 24.70	+ 1 26.2	0.968	1.901	14.5	20.0
11 7	0 19.80	+ 1 40.5	1.019	1.892	19.5	20.3

84345 2002 TO_{71} 10 5.4 291°.71 3°.4/ 8.2 18

8 29	1 11.59	+14 20.7	1.885	2.683	15.8	19.6
9 8	1 7.40	+14 44.5	1.786	2.666	12.9	19.3
9 18	1 0.84	+14 52.8	1.708	2.650	9.4	19.1
9 28	0 52.43	+14 45.1	1.653	2.633	5.7	18.9
10 8	0 43.02	+14 22.9	1.625	2.617	3.4	18.7
10 18	0 33.69	+13 50.2	1.625	2.600	5.6	18.8
10 28	0 25.55	+13 13.0	1.651	2.584	9.5	19.0
11 7	0 19.48	+12 37.9	1.702	2.568	13.2	19.2

508926 2004 FR_{80} 10 5.4 188°.34 1°.5/ 3.8 18

8 29	1 11.81	+ 1 15.2	2.397	3.223	12.0	22.3
9 8	1 6.74	+ 0 53.4	2.315	3.222	9.2	22.1
9 18	0 59.92	+ 0 25.3	2.257	3.221	6.0	21.9
9 28	0 51.86	− 0 5.6	2.226	3.220	2.7	21.7
10 8	0 43.27	− 0 35.4	2.224	3.218	2.2	21.6
10 18	0 34.92	− 0 59.9	2.252	3.216	5.4	21.8
10 28	0 27.57	− 1 15.5	2.309	3.213	8.7	22.0
11 7	0 21.82	− 1 19.9	2.390	3.210	11.5	22.2

241485 2009 BE_{95} 10 5.4 206°.31 5°.7/29.4 18

8 29	1 8.35	− 7 22.9	1.870	2.730	13.5	20.0
9 8	1 4.54	− 8 47.6	1.806	2.729	10.4	19.8
9 18	0 58.68	−10 15.4	1.765	2.728	7.5	19.7
9 28	0 51.37	−11 38.0	1.750	2.727	5.8	19.6
10 8	0 43.45	−12 47.2	1.762	2.726	6.8	19.6
10 18	0 35.87	−13 36.6	1.800	2.725	9.6	19.8
10 28	0 29.52	−14 2.3	1.863	2.724	12.6	20.0
11 7	0 25.07	−14 3.8	1.947	2.723	15.4	20.2

109116 2001 QD_{42} 10 5.4 63°.94 1°.3/ 6.5 18

8 29	1 12.29	+10 21.0	1.419	2.251	18.4	20.0
9 8	1 8.08	+10 7.4	1.361	2.266	14.4	19.8
9 18	1 1.22	+ 9 35.2	1.322	2.282	9.8	19.5
9 28	0 52.50	+ 8 47.6	1.306	2.298	4.7	19.3
10 8	0 43.09	+ 7 50.9	1.316	2.314	1.5	19.1
10 18	0 34.27	+ 6 52.9	1.352	2.330	6.1	19.5
10 28	0 27.20	+ 6 2.0	1.413	2.346	10.8	19.8
11 7	0 22.63	+ 5 24.2	1.498	2.362	14.8	20.1

353333 2010 OT_{71} 10 5.4 327°.85 4°.6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.49	− 4 5.6	1.608	2.470	15.2	20.5
9 8	1 5.80	− 4 57.3	1.537	2.463	11.7	20.3
9 18	0 59.72	− 5 54.7	1.487	2.457	7.9	20.1
9 28	0 51.88	− 6 50.6	1.463	2.451	4.9	19.9
10 8	0 43.28	− 7 36.9	1.464	2.446	5.6	19.9
10 18	0 35.02	− 8 7.0	1.491	2.440	9.1	20.1
10 28	0 28.18	− 8 16.5	1.542	2.436	12.9	20.3
11 7	0 23.54	− 8 4.2	1.614	2.431	16.3	20.5

111921 2002 GH_{13} 10 5.4 144°.98 0°.2/ 5.2 17

8 29	1 12.18	+ 8 4.8	1.580	2.412	16.9	20.8
9 8	1 7.85	+ 7 22.4	1.510	2.418	13.1	20.6
9 18	1 1.04	+ 6 23.0	1.460	2.424	8.6	20.3
9 28	0 52.44	+ 5 11.0	1.435	2.429	3.7	20.1
10 8	0 43.10	+ 3 54.0	1.436	2.435	1.4	19.9
10 18	0 34.19	+ 2 40.3	1.466	2.439	6.4	20.3
10 28	0 26.83	+ 1 38.2	1.521	2.443	11.0	20.5
11 7	0 21.78	+ 0 53.4	1.599	2.447	14.9	20.8

436517 2011 FY_{56} 10 5.4 206°.75 1°.1/ 6.5 18

8 29	1 10.07	+11 30.1	1.820	2.635	15.7	21.8
9 8	1 6.05	+10 57.5	1.736	2.632	12.4	21.5
9 18	0 59.81	+10 6.8	1.673	2.629	8.5	21.3
9 28	0 51.92	+ 9 0.9	1.634	2.625	4.1	21.0
10 8	0 43.27	+ 7 45.3	1.623	2.621	1.3	20.8
10 18	0 34.90	+ 6 27.3	1.640	2.617	5.4	21.1
10 28	0 27.80	+ 5 15.1	1.685	2.612	9.7	21.4
11 7	0 22.75	+ 4 15.5	1.753	2.608	13.5	21.6

320122 2007 ET_{180} 10 5.4 139°.31 1°.4/ 7.4 18

8 29	1 5.87	+13 52.8	2.527	3.319	12.4	21.5
9 8	1 2.15	+13 12.3	2.443	3.324	9.8	21.3
9 18	0 56.89	+12 17.0	2.382	3.329	6.8	21.1
9 28	0 50.55	+11 9.2	2.347	3.333	3.6	20.9
10 8	0 43.76	+ 9 53.2	2.341	3.338	1.5	20.8
10 18	0 37.21	+ 8 34.3	2.365	3.342	4.0	21.0
10 28	0 31.56	+ 7 18.4	2.418	3.346	7.2	21.2
11 7	0 27.33	+ 6 11.0	2.498	3.350	10.0	21.4

513431 2008 UY_{172} 10 5.4 243°.44 0°.9/ 4.6 18

8 29	1 11.42	+ 4 21.4	1.869	2.702	14.6	21.8
9 8	1 7.03	+ 3 57.7	1.784	2.695	11.3	21.6
9 18	1 0.43	+ 3 23.1	1.722	2.688	7.4	21.4
9 28	0 52.19	+ 2 41.2	1.685	2.680	3.1	21.1
10 8	0 43.19	+ 1 57.4	1.676	2.673	1.8	21.0
10 18	0 34.42	+ 1 17.4	1.695	2.665	6.1	21.2
10 28	0 26.91	+ 0 46.9	1.740	2.657	10.2	21.5
11 7	0 21.39	+ 0 29.9	1.810	2.649	13.8	21.7

129795 1999 JP_{118} 10 5.5 176°.19 3°.4/ 2.7 18

8 29	1 13.82	− 0 31.3	1.579	2.428	16.0	19.9
9 8	1 9.13	− 1 22.8	1.510	2.430	12.3	19.7
9 18	1 1.90	− 2 23.5	1.462	2.431	8.1	19.4
9 28	0 52.83	− 3 26.6	1.439	2.432	4.2	19.2
10 8	0 42.99	− 4 23.9	1.444	2.432	4.4	19.2
10 18	0 33.57	− 5 8.0	1.475	2.432	8.3	19.5
10 28	0 25.72	− 5 33.5	1.531	2.432	12.5	19.7
11 7	0 20.22	− 5 38.1	1.609	2.431	16.1	19.9

286756 2002 GD_{183} 10 5.5 158°.05 4°.0/30.2 18

8 29	1 7.98	− 7 2.6	2.663	3.506	10.4	21.2
9 8	1 3.60	− 8 2.2	2.597	3.512	8.0	21.1
9 18	0 57.76	− 9 3.3	2.556	3.517	5.6	20.9
9 28	0 50.91	−10 0.8	2.542	3.521	4.1	20.8
10 8	0 43.67	−10 49.6	2.558	3.526	4.7	20.9
10 18	0 36.68	−11 25.8	2.602	3.530	6.9	21.0
10 28	0 30.58	−11 46.7	2.673	3.533	9.3	21.2
11 7	0 25.84	−11 51.3	2.768	3.536	11.5	21.4

302609 2002 QC_{106} 10 5.5 5°.58 3°.9/ 2.3 18

8 29	1 10.71	− 3 7.0	1.656	2.513	15.1	20.3
9 8	1 6.60	− 3 45.5	1.589	2.513	11.5	20.1
9 18	1 0.16	− 4 29.3	1.544	2.513	7.7	19.9
9 28	0 52.06	− 5 12.2	1.523	2.514	4.4	19.7
10 8	0 43.27	− 5 47.3	1.529	2.515	4.7	19.7
10 18	0 34.88	− 6 8.8	1.561	2.516	8.2	19.9
10 28	0 27.92	− 6 12.8	1.619	2.518	12.0	20.2
11 7	0 23.11	− 5 58.0	1.698	2.520	15.4	20.4

513219 2005 UW_{267} 10 5.5 273°.12 2°.0/ 3.8 18

8 29	1 11.08	+ 2 30.8	1.686	2.531	15.4	22.1
9 8	1 7.12	+ 1 54.4	1.597	2.515	11.9	21.8
9 18	1 0.70	+ 1 6.2	1.529	2.498	7.8	21.6
9 28	0 52.40	+ 0 11.2	1.486	2.481	3.5	21.3
10 8	0 43.15	− 0 44.0	1.470	2.464	2.9	21.2
10 18	0 34.06	− 1 32.0	1.481	2.447	7.3	21.4
10 28	0 26.29	− 2 6.3	1.517	2.430	11.7	21.6
11 7	0 20.72	− 2 22.6	1.576	2.412	15.7	21.9

309015 2006 UZ_{97} 10 5.5 73°.26 1°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.82	+ 2 39.5	1.960	2.800	13.8	21.1
9 8	1 4.81	+ 2 0.6	1.888	2.803	10.5	20.9
9 18	0 58.82	+ 1 12.2	1.838	2.806	6.8	20.7
9 28	0 51.45	+ 0 19.1	1.815	2.810	3.0	20.4
10 8	0 43.51	− 0 33.0	1.819	2.813	2.5	20.4
10 18	0 35.87	− 1 18.3	1.851	2.816	6.2	20.7
10 28	0 29.42	− 1 51.6	1.910	2.820	9.9	20.9
11 7	0 24.79	− 2 9.9	1.992	2.823	13.1	21.1

392344 2010 ER_{134} 10 5.5 170°.11 0°.5/ 5.9 18

8 29	1 11.08	+ 8 21.5	1.951	2.770	14.6	21.3
9 8	1 6.63	+ 8 3.9	1.871	2.771	11.4	21.1
9 18	1 0.09	+ 7 33.1	1.813	2.773	7.6	20.9
9 28	0 52.04	+ 6 51.8	1.781	2.774	3.5	20.6
10 8	0 43.32	+ 6 4.7	1.776	2.775	1.0	20.4
10 18	0 34.89	+ 5 17.3	1.800	2.775	5.2	20.7
10 28	0 27.69	+ 4 35.7	1.851	2.776	9.2	21.0
11 7	0 22.41	+ 4 4.5	1.927	2.776	12.7	21.2

219928 2002 GC_{87} 10 5.5 66°.13 4°.3/ 1.3 18

8 29	1 10.66	− 6 30.7	2.095	2.944	12.7	19.6
9 8	1 5.96	− 7 10.4	2.039	2.956	9.7	19.4
9 18	0 59.43	− 7 51.2	2.005	2.969	6.7	19.3
9 28	0 51.67	− 8 27.7	1.998	2.982	4.4	19.2
10 8	0 43.48	− 8 54.6	2.018	2.995	5.0	19.2
10 18	0 35.70	− 9 8.0	2.067	3.007	7.6	19.4
10 28	0 29.11	− 9 5.5	2.141	3.020	10.4	19.6
11 7	0 24.28	− 8 46.8	2.239	3.033	13.1	19.8

104249 2000 EQ_{136} 10 5.5 42°.31 2°.0/ 3.6 18

8 29	1 7.95	+ 3 1.9	1.702	2.550	15.1	18.5
9 8	1 4.38	+ 2 11.4	1.637	2.557	11.5	18.3
9 18	0 58.66	+ 1 9.6	1.594	2.565	7.4	18.1
9 28	0 51.41	+ 0 2.2	1.577	2.572	3.3	17.9
10 8	0 43.57	− 1 3.3	1.586	2.580	2.9	17.9
10 18	0 36.13	− 2 0.0	1.623	2.588	6.9	18.1
10 28	0 30.03	− 2 41.7	1.685	2.597	10.8	18.4
11 7	0 25.94	− 3 5.1	1.770	2.605	14.2	18.6

140203 2001 SC_{226} 10 5.5 212°.66 1°.1/ 4.4 18

8 29	1 11.18	+ 5 10.0	1.918	2.748	14.4	20.2
9 8	1 6.79	+ 4 28.6	1.833	2.742	11.1	20.0
9 18	1 0.26	+ 3 34.7	1.771	2.737	7.3	19.8
9 28	0 52.14	+ 2 32.4	1.735	2.730	3.1	19.5
10 8	0 43.31	+ 1 28.0	1.727	2.724	1.9	19.4
10 18	0 34.71	+ 0 28.0	1.747	2.716	6.1	19.7
10 28	0 27.33	− 0 21.1	1.795	2.709	10.2	19.9
11 7	0 21.89	− 0 54.9	1.866	2.700	13.7	20.1

310206 2011 SK_{135} 10 5.5 40°.10 0°.4/ 5.1 18

8 29	1 11.51	+ 5 6.1	1.659	2.498	15.9	20.4
9 8	1 7.21	+ 4 56.5	1.592	2.505	12.3	20.1
9 18	1 0.57	+ 4 35.5	1.546	2.512	8.1	19.9
9 28	0 52.27	+ 4 6.6	1.525	2.520	3.4	19.7
10 8	0 43.29	+ 3 34.9	1.530	2.528	1.4	19.5
10 18	0 34.74	+ 3 6.0	1.563	2.536	6.1	19.9
10 28	0 27.63	+ 2 45.3	1.621	2.545	10.3	20.1
11 7	0 22.72	+ 2 36.7	1.703	2.554	14.0	20.4

349162 2007 PX_{37} 10 5.5 12°.51 9°.4/12.2 18

8 29	1 11.92	+23 36.9	1.346	2.127	21.8	19.8
9 8	1 8.57	+25 6.1	1.278	2.131	18.7	19.6
9 18	1 2.07	+26 10.2	1.228	2.136	15.3	19.4
9 28	0 53.12	+26 43.5	1.196	2.142	11.9	19.3
10 8	0 42.98	+26 44.1	1.187	2.149	9.6	19.2
10 18	0 33.18	+26 14.9	1.200	2.158	9.8	19.2
10 28	0 25.28	+25 24.6	1.237	2.167	12.2	19.4
11 7	0 20.32	+24 24.8	1.295	2.178	15.4	19.6

179868 2002 TH_{283} 10 5.5 73°.83 1°.8/ 6.7 17

8 29	1 15.39	+ 9 53.3	1.461	2.287	18.3	19.7
9 8	1 10.52	+10 4.6	1.397	2.299	14.4	19.4
9 18	1 2.91	+ 9 59.5	1.353	2.311	9.9	19.2
9 28	0 53.33	+ 9 39.7	1.332	2.322	5.0	19.0
10 8	0 42.96	+ 9 9.6	1.337	2.334	1.9	18.8
10 18	0 33.11	+ 8 35.3	1.368	2.346	6.1	19.1
10 28	0 25.04	+ 8 3.8	1.426	2.358	10.7	19.4
11 7	0 19.55	+ 7 41.3	1.506	2.370	14.7	19.7

236387 2006 DV_{20} 10 5.5 77°.28 6°.2/10.7 18

8 29	1 16.50	+20 54.1	1.737	2.501	18.2	20.5
9 8	1 11.16	+21 43.6	1.669	2.518	15.2	20.4
9 18	1 3.25	+22 11.9	1.621	2.535	11.8	20.2
9 28	0 53.47	+22 17.0	1.595	2.552	8.5	20.0
10 8	0 42.90	+21 59.4	1.595	2.569	6.3	19.9
10 18	0 32.79	+21 23.4	1.622	2.586	7.0	20.0
10 28	0 24.28	+20 36.0	1.675	2.603	9.7	20.2
11 7	0 18.20	+19 46.0	1.752	2.620	12.8	20.5

163904 2003 SX_{224} 10 5.5 286°.53 3°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.34	+ 2 17.6	1.753	2.605	14.6	20.0
9 8	1 3.36	+ 0 53.6	1.664	2.587	11.2	19.8
9 18	0 58.17	− 0 45.2	1.598	2.569	7.3	19.5
9 28	0 51.31	− 2 32.1	1.557	2.551	3.7	19.2
10 8	0 43.62	− 4 17.5	1.544	2.533	4.1	19.2
10 18	0 36.09	− 5 51.9	1.559	2.515	8.1	19.4
10 28	0 29.75	− 7 6.9	1.599	2.497	12.2	19.6
11 7	0 25.38	− 7 57.6	1.661	2.479	15.8	19.8

54337 2000 KL_{15} 10 5.5 252°.48 3°.0/ 2.9 18

8 29	1 12.08	− 0 7.3	1.741	2.587	14.9	19.6
9 8	1 7.76	− 0 51.8	1.656	2.575	11.5	19.4
9 18	1 1.07	− 1 45.6	1.593	2.562	7.6	19.1
9 28	0 52.57	− 2 43.0	1.555	2.549	3.8	18.8
10 8	0 43.20	− 3 36.8	1.545	2.535	3.9	18.8
10 18	0 34.05	− 4 20.0	1.562	2.521	7.8	19.0
10 28	0 26.21	− 4 47.0	1.605	2.507	11.9	19.2
11 7	0 20.53	− 4 54.8	1.670	2.493	15.6	19.4

490550 2009 VU_{88} 10 5.5 297°.87 0°.7/ 5.9 18

8 29	1 9.34	+ 9 1.2	1.483	2.321	17.5	21.8
9 8	1 6.19	+ 8 43.8	1.392	2.303	13.8	21.5
9 18	1 0.35	+ 8 8.1	1.321	2.285	9.4	21.2
9 28	0 52.36	+ 7 16.6	1.273	2.267	4.4	20.9
10 8	0 43.25	+ 6 15.0	1.251	2.249	1.3	20.6
10 18	0 34.26	+ 5 11.3	1.254	2.232	6.6	20.9
10 28	0 26.73	+ 4 14.6	1.283	2.215	11.7	21.2
11 7	0 21.65	+ 3 32.4	1.333	2.198	16.3	21.4

52587 1997 PD 10 5.5 46°.04 10°.5/15.2 18

8 29	1 14.90	+29 33.0	1.243	1.997	24.6	17.8
9 8	1 10.77	+30 36.8	1.200	2.027	21.3	17.7
9 18	1 3.32	+31 4.7	1.171	2.057	17.6	17.5
9 28	0 53.52	+30 51.9	1.159	2.088	13.9	17.4
10 8	0 42.94	+29 59.6	1.168	2.119	11.2	17.4
10 18	0 33.22	+28 35.1	1.200	2.151	10.6	17.4
10 28	0 25.82	+26 51.8	1.255	2.183	12.3	17.6
11 7	0 21.56	+25 4.5	1.332	2.215	15.1	17.9

512282 2016 GC_{124} 10 5.5 235°.77 0°.4/ 6.4 17

8 29	1 0.15	+10 48.8	4.406	5.198	7.5	20.8
9 8	0 57.19	+10 3.6	4.313	5.197	5.8	20.7
9 18	0 53.39	+ 9 10.7	4.244	5.196	3.9	20.6
9 28	0 49.03	+ 8 11.9	4.205	5.195	1.9	20.4
10 8	0 44.44	+ 7 9.7	4.196	5.194	0.6	20.3
10 18	0 39.94	+ 6 7.0	4.218	5.193	2.5	20.5
10 28	0 35.90	+ 5 6.7	4.272	5.192	4.6	20.6
11 7	0 32.61	+ 4 11.8	4.353	5.191	6.4	20.8

362839 2012 BV_{10} 10 5.5 40°.17 3°.2/ 1.7 18

8 29	1 5.83	− 1 14.6	2.147	2.997	12.4	20.3
9 8	1 2.36	− 2 23.8	2.078	2.999	9.4	20.1
9 18	0 57.17	− 3 39.8	2.032	3.002	6.2	19.9
9 28	0 50.76	− 4 56.7	2.014	3.004	3.5	19.7
10 8	0 43.85	− 6 8.0	2.023	3.007	4.1	19.8
10 18	0 37.22	− 7 7.5	2.061	3.010	7.0	20.0
10 28	0 31.61	− 7 50.6	2.125	3.013	10.1	20.2
11 7	0 27.60	− 8 15.1	2.212	3.016	12.9	20.4

96296 1996 OK_{1} 10 5.5 43°.94 8°.5/15.4 17

8 29	1 13.05	+32 21.3	2.439	3.107	15.8	19.5
9 8	1 8.25	+33 27.3	2.351	3.110	14.1	19.3
9 18	1 1.28	+34 13.2	2.281	3.114	12.1	19.2
9 28	0 52.65	+34 35.4	2.232	3.117	10.2	19.1
10 8	0 43.18	+34 32.3	2.208	3.121	8.9	19.0
10 18	0 33.84	+34 5.1	2.209	3.124	8.6	19.0
10 28	0 25.63	+33 18.3	2.235	3.128	9.5	19.0
11 7	0 19.32	+32 18.9	2.287	3.132	11.1	19.2

220214 2002 VW_{78} 10 5.5 346°.72 1°.1/ 4.7 18

8 29	0 58.61	+ 7 1.1	0.957	1.847	20.7	19.4
9 8	0 58.79	+ 6 21.9	0.890	1.831	16.2	19.0
9 18	0 55.87	+ 5 17.6	0.839	1.817	10.7	18.7
9 28	0 50.50	+ 3 54.1	0.807	1.805	4.5	18.3
10 8	0 43.91	+ 2 22.9	0.797	1.795	2.5	18.1
10 18	0 37.65	+ 0 57.8	0.808	1.787	8.8	18.5
10 28	0 33.28	− 0 7.8	0.840	1.782	14.8	18.8
11 7	0 31.84	− 0 45.5	0.889	1.778	20.0	19.1

81040 2000 EC_{57} 10 5.5 66°.14 1°.5/ 3.8 18

8 29	1 7.67	+ 6 7.2	1.760	2.599	15.1	18.7
9 8	1 3.98	+ 4 49.0	1.705	2.620	11.5	18.6
9 18	0 58.28	+ 3 16.9	1.673	2.641	7.3	18.4
9 28	0 51.23	+ 1 37.5	1.666	2.662	3.1	18.1
10 8	0 43.73	− 0 0.6	1.688	2.683	2.4	18.1
10 18	0 36.71	− 1 29.1	1.738	2.704	6.4	18.5
10 28	0 31.01	− 2 41.1	1.814	2.725	10.2	18.7
11 7	0 27.23	− 3 32.6	1.914	2.746	13.5	19.0

300774 2007 VH_{261} 10 5.5 153°.40 1°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.35	+10 35.8	1.965	2.778	14.8	21.7
9 8	1 6.10	+10 24.5	1.885	2.779	11.6	21.5
9 18	0 59.77	+ 9 58.8	1.826	2.781	8.0	21.3
9 28	0 51.95	+ 9 20.6	1.792	2.782	4.0	21.1
10 8	0 43.46	+ 8 34.2	1.785	2.783	1.4	20.9
10 18	0 35.25	+ 7 44.9	1.807	2.784	5.0	21.1
10 28	0 28.24	+ 6 59.0	1.857	2.785	8.9	21.4
11 7	0 23.13	+ 6 21.7	1.931	2.786	12.4	21.6

424032 2006 YV_{13} 10 5.5 180°.38 0°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.34	+ 8 43.8	1.875	2.691	15.2	22.1
9 8	1 8.49	+ 8 24.3	1.794	2.693	11.9	21.8
9 18	1 1.40	+ 7 50.6	1.735	2.693	8.0	21.6
9 28	0 52.68	+ 7 5.4	1.701	2.694	3.7	21.4
10 8	0 43.23	+ 6 13.7	1.695	2.693	1.1	21.2
10 18	0 34.08	+ 5 21.4	1.717	2.692	5.5	21.5
10 28	0 26.24	+ 4 35.1	1.767	2.691	9.6	21.7
11 7	0 20.45	+ 4 0.0	1.842	2.689	13.3	21.9

132951 2002 TN_{71} 10 5.5 351°.87 5°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.44	+22 14.1	1.576	2.361	18.9	19.1
9 8	1 3.04	+22 22.4	1.494	2.357	15.9	18.9
9 18	0 58.14	+22 4.1	1.429	2.353	12.4	18.7
9 28	0 51.35	+21 17.6	1.386	2.350	8.7	18.5
10 8	0 43.66	+20 5.6	1.366	2.347	6.1	18.3
10 18	0 36.25	+18 34.8	1.372	2.345	6.8	18.3
10 28	0 30.28	+16 55.6	1.403	2.345	10.1	18.5
11 7	0 26.61	+15 19.3	1.458	2.344	13.8	18.8

255483 2005 YU_{222} 10 5.5 318°.22 0°.1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.33	+ 7 32.7	1.939	2.769	14.3	20.5
9 8	1 3.89	+ 7 13.2	1.851	2.758	11.2	20.2
9 18	0 58.40	+ 6 40.7	1.784	2.747	7.5	20.0
9 28	0 51.40	+ 5 58.0	1.742	2.736	3.3	19.7
10 8	0 43.66	+ 5 9.8	1.728	2.726	1.0	19.5
10 18	0 36.11	+ 4 21.9	1.741	2.716	5.4	19.8
10 28	0 29.66	+ 3 40.3	1.781	2.706	9.4	20.0
11 7	0 25.05	+ 3 9.9	1.845	2.697	13.0	20.2

479529 2014 BX_{35} 10 5.5 300°.19 1°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.66	+ 9 59.9	1.514	2.346	17.5	21.7
9 8	1 7.29	+10 2.8	1.417	2.322	14.0	21.4
9 18	1 1.16	+ 9 48.8	1.339	2.299	9.7	21.1
9 28	0 52.79	+ 9 18.8	1.285	2.276	4.9	20.7
10 8	0 43.15	+ 8 36.8	1.255	2.253	1.8	20.5
10 18	0 33.54	+ 7 49.2	1.252	2.230	6.4	20.7
10 28	0 25.33	+ 7 4.2	1.273	2.208	11.5	21.0
11 7	0 19.59	+ 6 29.4	1.317	2.186	16.2	21.2

316912 2000 UG_{23} 10 5.5 352°.22 0°.1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.88	+11 21.9	1.057	1.923	21.0	19.6
9 8	1 1.05	+10 21.3	0.990	1.917	16.5	19.3
9 18	0 57.19	+ 8 50.0	0.941	1.912	11.1	19.0
9 28	0 51.02	+ 6 53.8	0.913	1.908	5.0	18.6
10 8	0 43.79	+ 4 45.1	0.907	1.906	1.6	18.4
10 18	0 36.98	+ 2 39.5	0.925	1.904	7.9	18.8
10 28	0 32.03	+ 0 52.5	0.965	1.904	13.8	19.1
11 7	0 29.89	− 0 25.7	1.025	1.905	18.8	19.4

37422 2001 XF_{241} 10 5.5 40°.51 1°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.13	+ 3 12.0	1.022	1.890	21.4	17.9
9 8	1 11.79	+ 3 17.7	0.978	1.906	16.5	17.6
9 18	1 4.01	+ 3 10.3	0.951	1.923	10.8	17.4
9 28	0 53.85	+ 2 54.6	0.945	1.941	4.6	17.1
10 8	0 42.90	+ 2 37.5	0.962	1.960	2.2	17.0
10 18	0 32.88	+ 2 25.9	1.003	1.980	8.1	17.5
10 28	0 25.26	+ 2 25.9	1.067	2.000	13.5	17.8
11 7	0 20.87	+ 2 40.6	1.151	2.020	17.9	18.2

311903 2006 YP_{53} 10 5.5 194°.93 0°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.31	+ 6 48.9	2.650	3.462	11.4	22.1
9 8	1 3.99	+ 6 19.0	2.562	3.460	8.8	21.9
9 18	0 58.13	+ 5 39.4	2.498	3.458	5.8	21.7
9 28	0 51.19	+ 4 52.8	2.461	3.455	2.5	21.5
10 8	0 43.76	+ 4 3.3	2.453	3.451	1.0	21.4
10 18	0 36.52	+ 3 15.0	2.476	3.448	4.3	21.6
10 28	0 30.12	+ 2 32.4	2.527	3.443	7.5	21.8
11 7	0 25.10	+ 1 59.0	2.605	3.439	10.3	22.0

518353 2017 DG_{38} 10 5.5 250°.84 1°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.55	+13 22.9	2.310	3.108	13.3	21.1
9 8	1 2.95	+12 52.1	2.217	3.102	10.6	20.9
9 18	0 57.61	+12 5.6	2.146	3.095	7.4	20.6
9 28	0 51.01	+11 5.3	2.101	3.088	3.9	20.4
10 8	0 43.82	+ 9 55.4	2.084	3.081	1.6	20.2
10 18	0 36.81	+ 8 41.5	2.097	3.074	4.4	20.4
10 28	0 30.75	+ 7 29.9	2.137	3.067	7.9	20.6
11 7	0 26.25	+ 6 26.5	2.204	3.059	11.1	20.8

224969 2007 EE_{49} 10 5.5 110°.61 1°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.59	+ 2 18.1	2.310	3.138	12.3	20.3
9 8	1 5.90	+ 2 4.4	2.233	3.141	9.4	20.2
9 18	0 59.45	+ 1 43.8	2.179	3.144	6.1	20.0
9 28	0 51.78	+ 1 19.6	2.152	3.147	2.6	19.7
10 8	0 43.58	+ 0 55.7	2.153	3.149	1.8	19.7
10 18	0 35.65	+ 0 35.8	2.184	3.152	5.2	19.9
10 28	0 28.74	+ 0 23.7	2.243	3.155	8.5	20.1
11 7	0 23.45	+ 0 21.7	2.327	3.157	11.5	20.3

54704 2001 FC_{172} 10 5.5 24°.00 11°.0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.96	−18 24.3	1.442	2.314	16.0	17.7
9 8	1 4.79	−20 19.0	1.406	2.321	13.4	17.5
9 18	0 59.09	−22 3.9	1.391	2.329	11.5	17.5
9 28	0 51.66	−23 26.8	1.399	2.338	11.1	17.5
10 8	0 43.64	−24 18.3	1.430	2.347	12.4	17.6
10 18	0 36.22	−24 33.8	1.482	2.357	14.7	17.7
10 28	0 30.45	−24 13.5	1.555	2.368	17.1	17.9
11 7	0 27.03	−23 21.8	1.644	2.379	19.3	18.1

131324 2001 HH_{7} 10 5.5 245°.16 8°.6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 31.07	+15 22.8	1.171	1.968	23.5	19.5
9 8	1 24.54	+17 34.0	1.088	1.962	19.8	19.2
9 18	1 13.51	+19 33.4	1.023	1.955	15.3	19.0
9 28	0 58.54	+21 12.1	0.980	1.947	10.9	18.7
10 8	0 41.18	+22 22.1	0.962	1.940	8.6	18.5
10 18	0 23.76	+23 0.1	0.969	1.932	10.7	18.6
10 28	0 8.77	+23 11.5	1.000	1.924	15.2	18.9
11 7	23 57.96	+23 8.0	1.052	1.915	19.7	19.1

378582 2008 DK_{82} 10 5.5 68°.57 2°.4/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.80	+ 0 33.5	1.404	2.255	17.5	21.1
9 8	1 10.79	+ 0 14.1	1.348	2.268	13.4	20.9
9 18	1 3.04	− 0 13.9	1.312	2.282	8.7	20.7
9 28	0 53.40	− 0 45.0	1.301	2.295	4.0	20.4
10 8	0 43.07	− 1 12.4	1.315	2.309	3.3	20.4
10 18	0 33.38	− 1 30.3	1.355	2.323	7.7	20.7
10 28	0 25.52	− 1 33.9	1.421	2.336	12.2	21.0
11 7	0 20.26	− 1 21.3	1.508	2.350	16.0	21.3

365440 2010 LT_{130} 10 5.5 303°.68 3°.3/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.23	+13 42.5	1.946	2.743	15.4	20.8
9 8	1 7.83	+14 12.8	1.851	2.730	12.5	20.6
9 18	1 1.14	+14 29.2	1.775	2.718	9.1	20.3
9 28	0 52.66	+14 30.9	1.725	2.705	5.5	20.1
10 8	0 43.26	+14 19.5	1.701	2.692	3.3	19.9
10 18	0 33.95	+13 58.1	1.705	2.680	5.5	20.0
10 28	0 25.82	+13 32.3	1.736	2.668	9.2	20.2
11 7	0 19.70	+13 7.8	1.792	2.656	12.7	20.4

449399 2013 GS_{127} 10 5.5 38°.12 6°.0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.83	−10 36.9	2.002	2.859	12.8	20.8
9 8	1 4.75	−11 38.3	1.946	2.865	10.1	20.7
9 18	0 58.76	−12 38.4	1.913	2.871	7.4	20.5
9 28	0 51.47	−13 30.3	1.906	2.878	6.0	20.5
10 8	0 43.71	−14 7.7	1.926	2.884	6.9	20.5
10 18	0 36.32	−14 26.1	1.972	2.892	9.2	20.7
10 28	0 30.14	−14 23.5	2.043	2.899	11.9	20.9
11 7	0 25.75	−14 0.4	2.135	2.906	14.3	21.1

314300 2005 SN_{101} 10 5.5 353°.01 2°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.35	+13 9.5	1.814	2.629	15.7	20.9
9 8	1 3.26	+12 52.7	1.733	2.626	12.5	20.7
9 18	0 58.04	+12 17.8	1.672	2.624	8.8	20.5
9 28	0 51.26	+11 26.7	1.635	2.622	4.7	20.3
10 8	0 43.77	+10 24.0	1.624	2.621	2.0	20.1
10 18	0 36.54	+ 9 16.2	1.641	2.620	5.1	20.3
10 28	0 30.54	+ 8 11.0	1.684	2.619	9.2	20.5
11 7	0 26.47	+ 7 15.2	1.752	2.619	12.8	20.8

412565 2014 NY_{58} 10 5.5 30°.20 7°.0/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.74	+25 32.2	2.106	2.837	16.4	21.0
9 8	1 7.34	+26 24.7	2.024	2.841	14.1	20.8
9 18	1 0.73	+26 57.4	1.960	2.846	11.5	20.6
9 28	0 52.45	+27 7.5	1.919	2.852	9.0	20.5
10 8	0 43.38	+26 54.5	1.903	2.857	7.3	20.4
10 18	0 34.51	+26 21.2	1.913	2.863	7.3	20.4
10 28	0 26.88	+25 33.0	1.949	2.869	9.1	20.5
11 7	0 21.24	+24 37.7	2.011	2.875	11.6	20.7

494428 2016 UW_{84} 10 5.5 301°.84 2°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.72	+ 1 12.9	1.624	2.474	15.6	21.7
9 8	1 6.99	+ 0 47.2	1.535	2.455	12.1	21.4
9 18	1 0.74	+ 0 11.6	1.467	2.436	8.0	21.1
9 28	0 52.54	− 0 29.2	1.423	2.418	3.7	20.8
10 8	0 43.33	− 1 8.7	1.405	2.399	3.1	20.8
10 18	0 34.28	− 1 40.3	1.414	2.381	7.5	21.0
10 28	0 26.57	− 1 58.1	1.449	2.363	12.0	21.2
11 7	0 21.11	− 1 58.4	1.505	2.346	16.0	21.4

449462 2013 LE_8 10 5.5 160°.98 6°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.00	−18 27.1	2.679	3.514	10.6	21.5
9 8	1 5.95	−19 26.4	2.623	3.518	8.8	21.4
9 18	0 59.35	−20 19.8	2.593	3.522	7.3	21.3
9 28	0 51.70	−21 1.5	2.589	3.526	6.7	21.3
10 8	0 43.67	−21 26.8	2.612	3.529	7.5	21.4
10 18	0 35.95	−21 33.1	2.662	3.532	9.1	21.5
10 28	0 29.21	−21 19.3	2.737	3.535	10.9	21.6
11 7	0 23.97	−20 46.8	2.833	3.537	12.6	21.8

410145 2007 HV_{34} 10 5.5 85°.78 1°.3/ 7.0 18

8 29	1 7.69	+11 48.4	2.396	3.197	12.8	21.8
9 8	1 3.61	+11 26.8	2.324	3.211	10.0	21.6
9 18	0 57.91	+10 52.2	2.274	3.225	6.9	21.4
9 28	0 51.10	+10 6.9	2.251	3.239	3.5	21.3
10 8	0 43.87	+ 9 14.6	2.256	3.253	1.3	21.1
10 18	0 36.92	+ 8 20.1	2.290	3.266	4.1	21.3
10 28	0 30.96	+ 7 28.6	2.352	3.280	7.3	21.6
11 7	0 26.51	+ 6 44.6	2.441	3.294	10.2	21.8

82531 2001 OM_{61} 10 5.5 46°.14 0°.0/ 5.3 18

8 29	1 13.72	+ 5 59.1	1.336	2.182	18.6	18.5
9 8	1 9.41	+ 5 56.2	1.277	2.193	14.4	18.2
9 18	1 2.27	+ 5 39.2	1.238	2.205	9.5	18.0
9 28	0 53.12	+ 5 11.5	1.222	2.217	4.1	17.7
10 8	0 43.20	+ 4 39.3	1.231	2.230	1.4	17.6
10 18	0 33.87	+ 4 9.1	1.266	2.242	6.8	18.0
10 28	0 26.38	+ 3 47.6	1.326	2.255	11.6	18.3
11 7	0 21.55	+ 3 39.4	1.407	2.269	15.7	18.6

385767 2005 YD_{128} 10 5.5 335°.63 2°.7/ 3.6 18

8 29	1 7.69	+ 1 18.1	1.234	2.107	18.2	19.8
9 8	1 5.26	+ 0 51.2	1.160	2.092	14.1	19.5
9 18	0 59.89	+ 0 12.0	1.104	2.078	9.3	19.2
9 28	0 52.24	− 0 33.5	1.070	2.066	4.3	18.9
10 8	0 43.45	− 1 17.1	1.060	2.054	3.7	18.8
10 18	0 34.95	− 1 50.0	1.073	2.044	8.8	19.1
10 28	0 28.16	− 2 5.2	1.110	2.034	13.9	19.4
11 7	0 24.08	− 1 59.0	1.166	2.026	18.4	19.6

96177 1984 BC 10 5.5 215°.29 4°.1/26.8 17

8 29	1 5.25	−15 34.5	4.412	5.243	6.8	23.3
9 8	1 1.09	−16 33.8	4.335	5.231	5.5	23.2
9 18	0 55.98	−17 30.9	4.284	5.219	4.5	23.1
9 28	0 50.22	−18 22.5	4.263	5.206	4.1	23.1
10 8	0 44.16	−19 5.4	4.271	5.193	4.7	23.1
10 18	0 38.20	−19 37.3	4.308	5.179	5.9	23.2
10 28	0 32.72	−19 56.7	4.372	5.165	7.2	23.3
11 7	0 28.06	−20 3.0	4.459	5.150	8.5	23.4

250575 2004 XK_{146} 10 5.5 315°.09 4°.2/ 8.4 18

8 29	1 11.44	+15 6.5	1.306	2.129	20.2	20.0
9 8	1 8.19	+15 27.1	1.227	2.121	16.5	19.8
9 18	1 1.88	+15 24.9	1.165	2.114	12.1	19.5
9 28	0 53.13	+14 58.9	1.125	2.107	7.3	19.2
10 8	0 43.16	+14 12.2	1.108	2.101	4.2	19.0
10 18	0 33.45	+13 11.8	1.116	2.094	7.0	19.2
10 28	0 25.51	+12 7.9	1.147	2.089	11.8	19.4
11 7	0 20.42	+11 11.0	1.201	2.083	16.4	19.7

17454 1990 SA_7 10 5.5 125°.34 2°.8/ 3.6 18

8 29	1 16.77	− 0 0.2	1.464	2.312	17.1	18.8
9 8	1 11.57	− 0 26.8	1.400	2.319	13.2	18.5
9 18	1 3.63	− 1 1.8	1.357	2.326	8.6	18.3
9 28	0 53.72	− 1 39.5	1.338	2.332	4.1	18.0
10 8	0 43.03	− 2 12.7	1.346	2.339	3.7	18.0
10 18	0 32.87	− 2 35.3	1.380	2.345	8.0	18.3
10 28	0 24.48	− 2 42.3	1.440	2.350	12.4	18.6
11 7	0 18.68	− 2 31.8	1.521	2.355	16.2	18.8

150278 1999 TP_{48} 10 5.5 344°.65 1°.0/ 4.5 18

8 29	1 6.87	+ 4 54.7	1.944	2.782	13.9	19.9
9 8	1 3.46	+ 4 19.6	1.865	2.779	10.7	19.6
9 18	0 58.07	+ 3 33.0	1.809	2.776	7.0	19.4
9 28	0 51.27	+ 2 39.0	1.777	2.773	3.0	19.2
10 8	0 43.84	+ 1 43.2	1.774	2.770	1.8	19.1
10 18	0 36.66	+ 0 51.8	1.798	2.768	5.8	19.3
10 28	0 30.61	+ 0 10.6	1.848	2.766	9.6	19.6
11 7	0 26.34	− 0 16.6	1.923	2.765	13.0	19.8

365510 2010 RX_{97} 10 5.5 132°.93 1°.9/ 7.2 17

8 29	1 12.76	+13 16.1	1.548	2.363	18.0	21.4
9 8	1 8.47	+12 50.2	1.477	2.371	14.3	21.1
9 18	1 1.60	+12 2.9	1.426	2.379	9.9	20.9
9 28	0 52.86	+10 56.9	1.398	2.386	5.2	20.6
10 8	0 43.35	+ 9 38.3	1.396	2.394	2.0	20.5
10 18	0 34.28	+ 8 15.6	1.422	2.400	5.9	20.7
10 28	0 26.81	+ 6 58.5	1.474	2.407	10.5	21.0
11 7	0 21.75	+ 5 54.9	1.550	2.412	14.5	21.3

472912 2015 FQ_{344} 10 5.5 146°.12 0°.5/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.69	+ 6 44.2	1.784	2.603	15.8	21.4
9 8	1 11.16	+ 6 49.0	1.708	2.608	12.3	21.2
9 18	1 3.23	+ 6 42.5	1.654	2.614	8.2	21.0
9 28	0 53.55	+ 6 26.7	1.626	2.619	3.7	20.7
10 8	0 43.12	+ 6 5.5	1.625	2.624	1.1	20.5
10 18	0 33.06	+ 5 43.6	1.653	2.628	5.7	20.8
10 28	0 24.46	+ 5 26.3	1.708	2.632	9.9	21.1
11 7	0 18.09	+ 5 17.8	1.787	2.635	13.6	21.3

455036 2015 TY_{349} 10 5.5 12°.81 3°.0/ 2.3 18

8 29	1 5.63	+ 0 20.2	1.884	2.738	13.7	20.7
9 8	1 2.49	− 0 46.1	1.816	2.739	10.4	20.5
9 18	0 57.42	− 2 1.3	1.771	2.741	6.7	20.3
9 28	0 50.98	− 3 19.2	1.751	2.744	3.5	20.1
10 8	0 43.98	− 4 32.4	1.759	2.747	3.9	20.2
10 18	0 37.28	− 5 33.9	1.794	2.750	7.2	20.4
10 28	0 31.74	− 6 18.4	1.855	2.754	10.8	20.6
11 7	0 27.98	− 6 43.1	1.939	2.758	13.9	20.8

178259 2007 VV_{202} 10 5.5 22°.78 2°.0/ 3.7 18

8 29	1 9.75	+ 1 43.7	1.877	2.720	14.2	20.2
9 8	1 5.68	+ 1 10.2	1.804	2.721	10.8	20.0
9 18	0 59.55	+ 0 28.0	1.753	2.722	7.0	19.8
9 28	0 51.92	− 0 18.4	1.728	2.723	3.2	19.6
10 8	0 43.67	− 1 3.1	1.731	2.724	2.7	19.6
10 18	0 35.74	− 1 40.4	1.761	2.726	6.5	19.8
10 28	0 29.03	− 2 5.3	1.817	2.727	10.3	20.0
11 7	0 24.24	− 2 15.0	1.897	2.729	13.6	20.3

145430 2005 QH_{72} 10 5.5 24°.32 1°.0/ 6.2 18

8 29	1 7.62	+ 9 27.2	1.054	1.918	21.2	18.7
9 8	1 5.28	+ 9 15.7	1.006	1.930	16.6	18.4
9 18	0 59.82	+ 8 42.2	0.974	1.943	11.2	18.2
9 28	0 52.13	+ 7 50.9	0.963	1.957	5.2	17.9
10 8	0 43.62	+ 6 50.2	0.974	1.973	1.5	17.7
10 18	0 35.80	+ 5 50.2	1.009	1.990	7.1	18.1
10 28	0 30.04	+ 5 0.9	1.067	2.008	12.5	18.5
11 7	0 27.14	+ 4 29.1	1.144	2.027	17.0	18.8

176107 2001 CV_{25} 10 5.5 336°.20 6°.9/30.4 18

8 29	1 5.94	− 4 45.4	1.091	1.981	18.6	19.2
9 8	1 4.18	− 6 5.2	1.026	1.968	14.5	18.9
9 18	0 59.31	− 7 34.6	0.981	1.956	10.1	18.7
9 28	0 52.03	− 9 1.8	0.957	1.945	7.1	18.5
10 8	0 43.62	−10 13.2	0.955	1.935	8.3	18.5
10 18	0 35.60	−10 57.8	0.976	1.926	12.6	18.7
10 28	0 29.46	−11 9.1	1.016	1.918	17.2	19.0
11 7	0 26.20	−10 46.7	1.074	1.912	21.3	19.2

449039 2012 CF_{47} 10 5.5 316°.01 4°.7/30.1 18

8 29	1 6.30	− 5 35.2	2.102	2.957	12.4	20.8
9 8	1 2.85	− 6 50.0	2.031	2.953	9.5	20.6
9 18	0 57.60	− 8 9.1	1.984	2.949	6.6	20.4
9 28	0 51.06	− 9 25.4	1.963	2.945	4.7	20.3
10 8	0 43.97	−10 32.1	1.970	2.942	5.6	20.4
10 18	0 37.12	−11 23.2	2.005	2.938	8.2	20.5
10 28	0 31.33	−11 54.6	2.064	2.934	11.2	20.7
11 7	0 27.18	−12 5.0	2.146	2.931	13.9	20.9

218155 2002 RT_{141} 10 5.5 25°.65 2°.3/ 7.2 18

8 29	1 9.30	+11 49.6	1.145	1.993	20.9	20.1
9 8	1 6.51	+11 50.4	1.088	2.001	16.6	19.9
9 18	1 0.64	+11 28.2	1.048	2.010	11.5	19.6
9 28	0 52.52	+10 45.2	1.029	2.020	6.0	19.4
10 8	0 43.49	+ 9 48.0	1.033	2.030	2.4	19.2
10 18	0 35.05	+ 8 45.8	1.061	2.042	6.8	19.5
10 28	0 28.59	+ 7 49.2	1.113	2.055	12.0	19.8
11 7	0 24.98	+ 7 6.4	1.185	2.068	16.5	20.1

14802 1981 DJ_2 10 5.5 5°.07 3°.4/ 9.1 18

8 29	1 3.51	+18 57.3	1.574	2.379	18.1	17.6
9 8	1 1.42	+18 15.6	1.496	2.378	14.8	17.4
9 18	0 57.00	+17 6.1	1.437	2.379	10.8	17.1
9 28	0 50.89	+15 30.6	1.400	2.381	6.5	16.9
10 8	0 44.04	+13 35.7	1.390	2.383	3.4	16.7
10 18	0 37.52	+11 31.6	1.405	2.386	5.6	16.9
10 28	0 32.40	+ 9 30.1	1.448	2.389	9.8	17.1
11 7	0 29.40	+ 7 42.2	1.515	2.394	13.8	17.4

323015 2002 PJ_{169} 10 5.5 143°.11 3°.1/ 1.3 18

8 29	1 6.23	− 2 58.8	2.591	3.434	10.7	21.1
9 8	1 2.39	− 4 1.7	2.521	3.438	8.1	21.0
9 18	0 57.10	− 5 8.9	2.476	3.442	5.4	20.8
9 28	0 50.79	− 6 15.5	2.459	3.447	3.3	20.7
10 8	0 44.08	− 7 16.3	2.471	3.451	3.8	20.7
10 18	0 37.60	− 8 6.5	2.512	3.454	6.3	20.9
10 28	0 31.98	− 8 42.6	2.580	3.458	8.9	21.1
11 7	0 27.71	− 9 2.8	2.672	3.462	11.3	21.2

86316 1999 VS_{179} 10 5.5 353.°65 4.°9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.56	− 4 1.5	1.781	2.647	13.8	19.3
9 8	1 1.82	− 5 25.2	1.714	2.643	10.5	19.0
9 18	0 57.07	− 6 55.5	1.671	2.640	7.2	18.9
9 28	0 50.87	− 8 24.2	1.652	2.638	5.0	18.7
10 8	0 44.05	− 9 42.6	1.661	2.636	5.9	18.8
10 18	0 37.53	−10 43.5	1.695	2.635	9.0	19.0
10 28	0 32.20	−11 21.7	1.754	2.634	12.3	19.2
11 7	0 28.71	−11 35.8	1.835	2.634	15.3	19.4

8130 Seeberg 10 5.5 158.°80 1.°7/ 2.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.99	− 0 45.7	3.654	4.483	8.2	18.4
9 8	1 0.27	− 1 21.7	3.577	4.487	6.2	18.3
9 18	0 55.52	− 2 1.3	3.525	4.491	4.0	18.2
9 28	0 50.07	− 2 41.6	3.502	4.494	2.0	18.0
10 8	0 44.33	− 3 19.7	3.509	4.497	2.1	18.0
10 18	0 38.74	− 3 52.7	3.546	4.500	4.1	18.2
10 28	0 33.73	− 4 18.2	3.612	4.503	6.2	18.3
11 7	0 29.66	− 4 34.4	3.704	4.505	8.2	18.5

42876 1999 RS_{132} 10 5.5 79.°04 4.°6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.82	+17 31.2	1.427	2.228	19.8	18.9
9 8	1 9.55	+17 45.4	1.362	2.241	16.2	18.7
9 18	1 2.45	+17 35.5	1.315	2.254	12.0	18.5
9 28	0 53.28	+17 1.4	1.290	2.266	7.5	18.3
10 8	0 43.28	+16 6.7	1.289	2.279	4.6	18.1
10 18	0 33.80	+14 58.7	1.315	2.292	6.5	18.3
10 28	0 26.12	+13 47.6	1.366	2.304	10.6	18.6
11 7	0 21.09	+12 42.8	1.440	2.316	14.6	18.8

289378 2005 CG_{17} 10 5.5 283.°25 1.°3/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.74	+ 5 14.8	1.387	2.238	17.8	21.6
9 8	1 7.43	+ 4 37.1	1.303	2.224	13.8	21.3
9 18	1 1.27	+ 3 42.5	1.240	2.209	9.1	21.0
9 28	0 52.89	+ 2 35.7	1.199	2.195	3.9	20.7
10 8	0 43.37	+ 1 24.9	1.184	2.180	2.4	20.5
10 18	0 34.06	+ 0 19.5	1.194	2.166	7.8	20.8
10 28	0 26.33	− 0 31.3	1.228	2.152	13.0	21.1
11 7	0 21.19	− 1 1.6	1.284	2.137	17.5	21.3

473686 2015 XG_{380} 10 5.5 345.°33 5.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.55	− 8 23.3	2.102	2.958	12.3	20.8
9 8	1 3.80	− 9 22.7	2.035	2.955	9.6	20.6
9 18	0 58.21	−10 23.1	1.991	2.953	6.9	20.5
9 28	0 51.34	−11 18.2	1.973	2.950	5.2	20.4
10 8	0 43.92	−12 1.6	1.982	2.948	6.0	20.4
10 18	0 36.79	−12 28.6	2.018	2.946	8.5	20.6
10 28	0 30.74	−12 36.3	2.079	2.945	11.3	20.7
11 7	0 26.38	−12 24.1	2.163	2.944	13.9	20.9

511456 2014 KR_{15} 10 5.5 252.°60 3.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.67	− 1 51.1	1.991	2.836	13.4	21.5
9 8	1 6.37	− 2 34.0	1.909	2.827	10.3	21.3
9 18	1 0.03	− 3 23.2	1.850	2.818	6.8	21.1
9 28	0 52.18	− 4 13.5	1.817	2.809	3.7	20.9
10 8	0 43.63	− 4 58.8	1.812	2.799	4.0	20.9
10 18	0 35.32	− 5 33.3	1.835	2.790	7.2	21.1
10 28	0 28.15	− 5 52.8	1.884	2.780	10.8	21.3
11 7	0 22.83	− 5 54.9	1.957	2.770	14.0	21.5

407019 2009 SH_{27} 10 5.5 199.°80 0.°0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.60	+ 8 0.1	2.656	3.468	11.4	21.6
9 8	1 2.73	+ 7 20.4	2.568	3.465	8.8	21.4
9 18	0 57.37	+ 6 29.8	2.503	3.463	5.8	21.3
9 28	0 50.95	+ 5 31.4	2.466	3.460	2.5	21.0
10 8	0 44.06	+ 4 29.2	2.458	3.456	0.9	20.9
10 18	0 37.35	+ 3 28.0	2.480	3.453	4.2	21.1
10 28	0 31.47	+ 2 32.8	2.531	3.449	7.4	21.3
11 7	0 26.92	+ 1 47.4	2.608	3.445	10.2	21.5

449149 2013 AX_{93} 10 5.5 140.°69 4.°2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.75	+19 23.3	2.139	2.905	15.2	21.1
9 8	1 6.39	+19 33.6	2.055	2.909	12.5	20.9
9 18	1 0.02	+19 25.6	1.991	2.913	9.5	20.7
9 28	0 52.17	+18 59.0	1.951	2.917	6.4	20.6
10 8	0 43.66	+18 16.0	1.938	2.921	4.3	20.4
10 18	0 35.40	+17 20.9	1.953	2.924	5.3	20.5
10 28	0 28.28	+16 20.1	1.995	2.927	8.2	20.7
11 7	0 23.01	+15 20.5	2.064	2.930	11.2	20.9

19616 1999 OS_{3} 10 5.5 60.°90 0.°6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.28	+ 7 11.8	1.236	2.079	20.0	17.4
9 8	1 12.22	+ 7 15.5	1.187	2.100	15.5	17.2
9 18	1 4.13	+ 7 3.3	1.157	2.122	10.3	17.0
9 28	0 53.97	+ 6 38.3	1.150	2.144	4.6	16.8
10 8	0 43.12	+ 6 6.8	1.168	2.166	1.3	16.6
10 18	0 33.09	+ 5 35.6	1.211	2.188	6.8	17.0
10 28	0 25.16	+ 5 12.0	1.279	2.211	11.8	17.4
11 7	0 20.12	+ 5 1.0	1.369	2.233	15.9	17.7

107130 2001 AV_{47} 10 5.5 342.°56 10.°9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.85	−15 37.2	1.159	2.037	18.7	18.8
9 8	1 10.14	−16 47.8	1.105	2.030	15.3	18.6
9 18	1 3.11	−17 51.4	1.069	2.023	12.3	18.4
9 28	0 53.65	−18 35.3	1.055	2.018	10.9	18.3
10 8	0 43.20	−18 48.3	1.062	2.013	12.0	18.4
10 18	0 33.37	−18 24.9	1.091	2.009	15.0	18.5
10 28	0 25.67	−17 25.3	1.140	2.006	18.5	18.7
11 7	0 21.02	−15 55.0	1.206	2.003	21.8	19.0

437608 2014 BL_{12} 10 5.5 345.°91 2.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.22	+ 1 42.9	1.282	2.150	17.9	20.2
9 8	1 5.51	+ 1 10.9	1.213	2.143	13.8	20.0
9 18	0 59.97	+ 0 26.5	1.162	2.136	9.0	19.7
9 28	0 52.29	− 0 24.2	1.135	2.130	4.1	19.4
10 8	0 43.63	− 1 12.9	1.131	2.125	3.6	19.3
10 18	0 35.34	− 1 51.0	1.152	2.121	8.4	19.6
10 28	0 28.73	− 2 11.8	1.196	2.118	13.3	19.9
11 7	0 24.73	− 2 11.7	1.260	2.116	17.6	20.2

234631 2002 CL_{11} 10 5.5 188.°99 2.°3/ 7.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.59	+13 25.3	2.049	2.843	14.9	21.6
9 8	1 7.86	+13 22.6	1.962	2.843	11.9	21.4
9 18	1 1.03	+13 4.3	1.897	2.842	8.4	21.1
9 28	0 52.64	+12 31.4	1.856	2.840	4.7	20.9
10 8	0 43.53	+11 47.1	1.843	2.838	2.3	20.8
10 18	0 34.65	+10 56.3	1.859	2.836	4.9	20.9
10 28	0 26.95	+10 5.5	1.903	2.833	8.6	21.1
11 7	0 21.17	+ 9 20.5	1.973	2.830	12.1	21.4

355384 2007 TP_{422} 10 5.5 213.°17 5.°4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.87	+25 2.0	2.362	3.090	14.9	21.3
9 8	1 5.69	+25 4.5	2.263	3.084	12.7	21.2
9 18	0 59.56	+24 46.5	2.183	3.078	10.1	21.0
9 28	0 52.00	+24 6.5	2.127	3.071	7.5	20.8
10 8	0 43.74	+23 6.2	2.097	3.065	5.6	20.7
10 18	0 35.65	+21 49.4	2.095	3.057	5.8	20.7
10 28	0 28.60	+20 22.9	2.121	3.049	8.0	20.8
11 7	0 23.28	+18 54.5	2.175	3.041	10.7	21.0

151644 2002 XB_{57} 10 5.5 323.°68 4.°2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.86	+15 51.5	1.296	2.124	20.1	19.4
9 8	1 4.77	+16 4.3	1.210	2.107	16.5	19.1
9 18	0 59.73	+15 52.3	1.141	2.091	12.2	18.8
9 28	0 52.31	+15 14.7	1.093	2.075	7.5	18.5
10 8	0 43.60	+14 14.4	1.067	2.061	4.3	18.3
10 18	0 35.03	+12 59.1	1.066	2.047	6.9	18.4
10 28	0 28.09	+11 40.1	1.089	2.033	11.9	18.6
11 7	0 23.90	+10 29.0	1.132	2.021	16.6	18.9

107208 2001 BU_{35} 10 5.5 182.°15 10.°4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.29	+38 53.4	2.261	2.879	18.0	20.2
9 8	1 11.93	+39 40.3	2.168	2.880	16.4	20.1
9 18	1 3.97	+40 1.2	2.089	2.881	14.5	19.9
9 28	0 54.01	+39 50.9	2.030	2.881	12.6	19.8
10 8	0 43.07	+39 7.2	1.992	2.880	11.0	19.7
10 18	0 32.35	+37 51.5	1.979	2.878	10.4	19.6
10 28	0 23.09	+36 10.3	1.992	2.875	10.9	19.7
11 7	0 16.19	+34 13.7	2.029	2.871	12.5	19.8

271023 2003 AD_{46} 10 5.5 280.°75 5.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.43	− 6 29.1	1.565	2.426	15.6	20.4
9 8	1 8.37	− 7 28.2	1.486	2.411	12.2	20.1
9 18	1 1.70	− 8 31.8	1.429	2.396	8.6	19.9
9 28	0 53.03	− 9 31.7	1.397	2.380	6.0	19.7
10 8	0 43.40	−10 19.1	1.390	2.365	6.9	19.7
10 18	0 34.02	−10 46.6	1.408	2.350	10.3	19.9
10 28	0 26.11	−10 49.6	1.451	2.334	14.2	20.1
11 7	0 20.58	−10 27.7	1.513	2.319	17.7	20.3

147643 2004 JE_{17} 10 5.5 170.°31 1.°4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.60	+10 52.7	1.831	2.640	15.8	21.0
9 8	1 8.82	+10 43.4	1.751	2.643	12.5	20.8
9 18	1 1.73	+10 18.5	1.692	2.645	8.6	20.5
9 28	0 52.96	+ 9 40.0	1.658	2.647	4.3	20.3
10 8	0 43.44	+ 8 52.1	1.651	2.649	1.6	20.1
10 18	0 34.22	+ 8 0.6	1.673	2.650	5.3	20.4
10 28	0 26.36	+ 7 12.5	1.722	2.650	9.5	20.6
11 7	0 20.60	+ 6 33.5	1.795	2.650	13.2	20.9

104529 2000 GH_{52} 10 5.5 81.°79 0.°6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.32	+10 3.9	1.920	2.740	14.8	19.8
9 8	1 4.56	+ 9 27.1	1.848	2.748	11.5	19.6
9 18	0 58.80	+ 8 34.7	1.797	2.756	7.7	19.4
9 28	0 51.63	+ 7 30.3	1.771	2.763	3.6	19.2
10 8	0 43.89	+ 6 19.4	1.773	2.771	1.0	19.0
10 18	0 36.49	+ 5 9.0	1.803	2.779	5.1	19.3
10 28	0 30.29	+ 4 5.8	1.861	2.787	9.0	19.6
11 7	0 25.94	+ 3 15.3	1.943	2.795	12.5	19.8

391529 2007 RK_{269} 10 5.5 159°.08 1°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.16	+10 42.6	2.352	3.145	13.2	21.6
9 8	1 8.70	+10 43.4	2.270	3.152	10.4	21.4
9 18	1 1.38	+10 32.5	2.210	3.158	7.2	21.2
9 28	0 52.74	+10 11.2	2.176	3.164	3.7	21.0
10 8	0 43.53	+ 9 42.3	2.172	3.169	1.5	20.9
10 18	0 34.58	+ 9 9.8	2.198	3.174	4.4	21.1
10 28	0 26.70	+ 8 38.3	2.253	3.178	7.8	21.3
11 7	0 20.53	+ 8 12.1	2.334	3.181	10.8	21.5

111379 2001 XX_{150} 10 5.5 128°.72 0°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.71	+ 7 36.7	2.181	3.000	13.2	20.2
9 8	1 4.64	+ 7 7.4	2.103	3.005	10.3	20.1
9 18	0 58.76	+ 6 26.3	2.048	3.009	6.8	19.9
9 28	0 51.61	+ 5 36.5	2.019	3.013	3.0	19.6
10 8	0 43.91	+ 4 42.7	2.018	3.016	1.0	19.5
10 18	0 36.49	+ 3 50.2	2.046	3.020	4.9	19.8
10 28	0 30.12	+ 3 4.5	2.103	3.024	8.5	20.0
11 7	0 25.40	+ 2 29.7	2.184	3.027	11.6	20.2

257995 2001 EV_1 10 5.5 184°.46 4°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.98	− 8 37.7	2.807	3.649	10.0	20.7
9 8	1 3.66	− 9 37.1	2.737	3.649	7.7	20.5
9 18	0 57.92	−10 37.1	2.691	3.649	5.6	20.4
9 28	0 51.19	−11 32.8	2.674	3.648	4.3	20.3
10 8	0 44.06	−12 19.4	2.685	3.647	5.0	20.4
10 18	0 37.14	−12 53.2	2.725	3.645	6.9	20.5
10 28	0 31.04	−13 11.5	2.792	3.643	9.2	20.7
11 7	0 26.23	−13 13.6	2.882	3.641	11.3	20.8

505652 2014 RZ_{25} 10 5.5 355°.93 14°.6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.24	+28 43.7	1.183	1.936	25.7	21.4
9 8	1 17.85	+31 16.7	1.113	1.934	22.9	21.2
9 18	1 9.17	+33 24.3	1.058	1.933	19.8	20.9
9 28	0 56.76	+34 54.2	1.019	1.933	16.9	20.8
10 8	0 42.13	+35 37.1	1.001	1.933	14.9	20.7
10 18	0 27.52	+35 30.7	1.003	1.933	14.8	20.7
10 28	0 15.35	+34 43.1	1.026	1.933	16.6	20.8
11 7	0 7.31	+33 30.6	1.068	1.934	19.3	21.0

58022 2002 VK_{36} 10 5.5 175°.41 6°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.77	−11 16.4	2.076	2.921	12.9	19.3
9 8	1 8.57	−12 30.9	2.013	2.924	10.2	19.1
9 18	1 1.36	−13 44.3	1.974	2.927	7.6	19.0
9 28	0 52.75	−14 49.3	1.962	2.928	6.3	18.9
10 8	0 43.57	−15 38.8	1.977	2.929	7.2	18.9
10 18	0 34.76	−16 7.9	2.020	2.929	9.6	19.1
10 28	0 27.19	−16 14.2	2.087	2.929	12.3	19.3
11 7	0 21.50	−15 58.3	2.177	2.928	14.7	19.4

447287 2005 WU_9 10 5.5 0°.64 0°.8/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.65	+ 4 44.6	1.734	2.578	15.1	21.1
9 8	1 4.31	+ 4 21.9	1.660	2.576	11.6	20.9
9 18	0 58.79	+ 3 47.7	1.608	2.576	7.6	20.6
9 28	0 51.69	+ 3 5.9	1.580	2.575	3.2	20.4
10 8	0 43.90	+ 2 22.0	1.579	2.576	1.7	20.3
10 18	0 36.42	+ 1 42.3	1.604	2.577	6.1	20.6
10 28	0 30.22	+ 1 12.4	1.656	2.579	10.2	20.8
11 7	0 26.00	+ 0 56.3	1.730	2.581	13.8	21.0

299181 2005 GW_{92} 10 5.5 68°.93 1°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.75	+ 4 12.6	1.839	2.677	14.6	21.1
9 8	1 5.72	+ 3 37.7	1.769	2.683	11.2	20.9
9 18	0 59.60	+ 2 51.8	1.722	2.689	7.3	20.7
9 28	0 52.01	+ 1 59.4	1.699	2.695	3.1	20.4
10 8	0 43.81	+ 1 6.4	1.705	2.701	2.0	20.4
10 18	0 35.97	+ 0 19.0	1.738	2.707	6.1	20.6
10 28	0 29.39	− 0 17.1	1.797	2.713	10.0	20.9
11 7	0 24.75	− 0 38.5	1.880	2.720	13.4	21.1

244623 2003 BD_{17} 10 5.5 206°.59 4°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.41	+19 58.5	2.581	3.325	13.4	20.7
9 8	1 8.21	+20 26.6	2.482	3.320	11.2	20.6
9 18	1 1.16	+20 40.1	2.404	3.315	8.6	20.4
9 28	0 52.71	+20 37.8	2.352	3.309	6.1	20.2
10 8	0 43.57	+20 20.5	2.327	3.303	4.4	20.1
10 18	0 34.53	+19 50.6	2.332	3.297	5.1	20.2
10 28	0 26.43	+19 12.7	2.366	3.290	7.5	20.3
11 7	0 19.94	+18 32.1	2.426	3.283	10.1	20.5

452549 2004 WS 10 5.5 321°.27 25°.3/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 42.56	−47 28.4	1.094	1.862	26.6	20.5
9 8	1 33.53	−48 56.1	1.067	1.855	25.8	20.5
9 18	1 18.81	−49 39.9	1.052	1.849	25.4	20.4
9 28	1 0.35	−49 20.8	1.049	1.843	25.4	20.4
10 8	0 41.27	−47 49.0	1.060	1.837	26.0	20.4
10 18	0 24.66	−45 6.8	1.085	1.832	27.1	20.5
10 28	0 12.59	−41 27.0	1.124	1.827	28.4	20.6
11 7	0 5.66	−37 7.9	1.177	1.823	29.7	20.7

508797 2000 PV_5 10 5.5 50°.93 5°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.92	+17 27.6	1.176	1.995	22.3	20.7
9 8	1 10.12	+17 57.8	1.120	2.009	18.2	20.5
9 18	1 3.08	+18 1.1	1.081	2.024	13.5	20.3
9 28	0 53.66	+17 36.4	1.062	2.039	8.7	20.1
10 8	0 43.30	+16 47.5	1.066	2.055	5.5	19.9
10 18	0 33.61	+15 42.5	1.094	2.072	7.4	20.1
10 28	0 26.06	+14 33.1	1.146	2.088	11.7	20.4
11 7	0 21.56	+13 30.3	1.219	2.105	16.0	20.7

245516 2005 SG_{72} 10 5.5 76°.41 1°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.35	+ 3 54.4	2.066	2.905	13.2	20.1
9 8	1 2.92	+ 2 46.6	1.991	2.906	10.1	19.9
9 18	0 57.69	+ 1 27.3	1.940	2.908	6.5	19.7
9 28	0 51.17	+ 0 2.0	1.915	2.910	2.9	19.4
10 8	0 44.11	− 1 22.5	1.919	2.912	2.6	19.4
10 18	0 37.31	− 2 39.1	1.951	2.914	6.2	19.7
10 28	0 31.58	− 3 41.8	2.010	2.916	9.7	19.9
11 7	0 27.52	− 4 26.7	2.094	2.918	12.8	20.1

477922 2011 QY_{18} 10 5.5 65°.96 4°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.35	− 0 1.0	1.680	2.538	14.9	21.0
9 8	1 3.97	− 1 38.6	1.624	2.550	11.2	20.8
9 18	0 58.48	− 3 26.1	1.591	2.562	7.3	20.6
9 28	0 51.51	− 5 14.9	1.583	2.574	4.3	20.4
10 8	0 44.01	− 6 54.9	1.603	2.586	5.0	20.5
10 18	0 36.93	− 8 17.8	1.650	2.599	8.4	20.7
10 28	0 31.21	− 9 17.4	1.723	2.612	12.0	21.0
11 7	0 27.45	− 9 51.8	1.817	2.624	15.1	21.2

305953 Josiedubey 10 5.5 206°.25 4°.4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.79	− 7 30.1	2.311	3.151	11.9	21.8
9 8	1 7.67	− 8 12.5	2.235	3.147	9.2	21.7
9 18	1 0.73	− 8 56.0	2.182	3.142	6.5	21.5
9 28	0 52.48	− 9 35.4	2.156	3.137	4.5	21.3
10 8	0 43.68	−10 5.3	2.160	3.131	5.1	21.4
10 18	0 35.14	−10 21.7	2.191	3.125	7.6	21.5
10 28	0 27.66	−10 21.8	2.250	3.119	10.4	21.7
11 7	0 21.85	−10 5.2	2.331	3.112	13.0	21.9

367895 2012 AB_{14} 10 5.5 331°.88 5°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.06	− 3 29.6	1.279	2.151	17.7	20.3
9 8	1 7.64	− 4 48.1	1.218	2.150	13.6	20.1
9 18	1 1.34	− 6 15.6	1.176	2.148	9.3	19.8
9 28	0 52.90	− 7 41.7	1.158	2.146	6.0	19.6
10 8	0 43.56	− 8 54.9	1.164	2.145	6.9	19.7
10 18	0 34.69	− 9 45.7	1.195	2.144	10.9	19.9
10 28	0 27.61	−10 8.2	1.248	2.143	15.2	20.2
11 7	0 23.20	−10 1.8	1.320	2.142	19.0	20.4

515886 2015 PR_{36} 10 5.5 71°.21 2°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.85	+ 0 38.8	1.841	2.683	14.4	21.2
9 8	1 7.28	+ 0 11.3	1.776	2.692	11.0	21.0
9 18	1 0.60	− 0 23.5	1.733	2.701	7.2	20.8
9 28	0 52.45	− 1 1.1	1.716	2.710	3.3	20.6
10 8	0 43.73	− 1 35.7	1.726	2.719	2.9	20.6
10 18	0 35.40	− 2 2.2	1.764	2.728	6.6	20.8
10 28	0 28.40	− 2 16.4	1.828	2.737	10.3	21.1
11 7	0 23.37	− 2 16.0	1.916	2.746	13.5	21.3

76477 2000 FB_{59} 10 5.6 285°.62 3°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.22	− 2 35.1	1.857	2.702	14.2	19.6
9 8	1 8.66	− 3 0.1	1.765	2.682	11.0	19.4
9 18	1 1.77	− 3 30.4	1.695	2.662	7.4	19.1
9 28	0 53.08	− 4 1.2	1.650	2.642	4.0	18.9
10 8	0 43.49	− 4 26.7	1.633	2.622	4.1	18.8
10 18	0 34.02	− 4 41.4	1.644	2.601	7.6	19.0
10 28	0 25.78	− 4 41.1	1.681	2.581	11.6	19.2
11 7	0 19.58	− 4 24.1	1.740	2.561	15.1	19.4

472927 2015 GC_{20} 10 5.6 218°.89 1°.6/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.97	+ 2 26.8	1.670	2.508	15.8	21.4
9 8	1 10.11	+ 2 8.0	1.591	2.504	12.2	21.1
9 18	1 2.73	+ 1 39.3	1.534	2.500	8.0	20.9
9 28	0 53.49	+ 1 5.0	1.501	2.496	3.5	20.6
10 8	0 43.38	+ 0 30.9	1.495	2.491	2.4	20.5
10 18	0 33.58	+ 0 2.8	1.518	2.486	6.9	20.8
10 28	0 25.24	− 0 13.8	1.566	2.481	11.3	21.0
11 7	0 19.19	− 0 15.7	1.637	2.476	15.1	21.3

195442 2002 GT_{75} 10 5.6 257°.10 1°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.81	+10 52.8	1.927	2.739	15.0	20.7
9 8	1 6.76	+10 36.3	1.831	2.724	12.0	20.5
9 18	1 0.49	+10 4.0	1.755	2.710	8.3	20.3
9 28	0 52.52	+ 9 17.6	1.704	2.694	4.1	20.0
10 8	0 43.69	+ 8 21.4	1.681	2.679	1.4	19.8
10 18	0 34.98	+ 7 21.3	1.686	2.663	5.3	20.0
10 28	0 27.42	+ 6 24.5	1.718	2.647	9.5	20.2
11 7	0 21.81	+ 5 37.2	1.775	2.631	13.3	20.4

289615 2005 GX_{28} 10 5.6 91°.18 0°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.33	+ 9 41.9	1.491	2.320	17.9	21.4
9 8	1 8.89	+ 9 14.1	1.430	2.335	13.9	21.2
9 18	1 1.88	+ 8 28.2	1.389	2.350	9.3	21.0
9 28	0 53.06	+ 7 28.2	1.372	2.365	4.3	20.7
10 8	0 43.57	+ 6 20.9	1.381	2.380	1.2	20.6
10 18	0 34.63	+ 5 14.6	1.418	2.394	6.1	20.9
10 28	0 27.36	+ 4 17.3	1.480	2.409	10.7	21.2
11 7	0 22.52	+ 3 35.1	1.565	2.423	14.6	21.5

392701 2011 YK_{45} 10 5.6 304°.85 1°.0/ 7.5 16

8 29	1 1.21	+11 53.6	4.270	5.055	7.8	21.4
9 8	0 58.12	+11 37.2	4.174	5.051	6.2	21.3
9 18	0 54.15	+11 13.2	4.102	5.047	4.3	21.2
9 28	0 49.56	+10 43.0	4.058	5.043	2.3	21.0
10 8	0 44.70	+10 8.3	4.043	5.040	1.0	20.9
10 18	0 39.93	+ 9 31.6	4.059	5.036	2.5	21.0
10 28	0 35.62	+ 8 55.3	4.105	5.032	4.5	21.2
11 7	0 32.09	+ 8 22.1	4.179	5.029	6.4	21.3

72088 2000 YZ_{41} 10 5.6 246°.97 3°.2/ 2.9 18

8 29	1 12.35	+ 0 28.8	1.569	2.420	16.0	19.2
9 8	1 8.29	− 0 24.4	1.489	2.410	12.4	18.9
9 18	1 1.65	− 1 28.9	1.430	2.400	8.1	18.6
9 28	0 53.06	− 2 38.1	1.397	2.390	4.1	18.4
10 8	0 43.54	− 3 43.5	1.389	2.380	4.2	18.4
10 18	0 34.29	− 4 37.1	1.409	2.369	8.3	18.6
10 28	0 26.50	− 5 12.0	1.453	2.358	12.7	18.8
11 7	0 21.05	− 5 25.0	1.519	2.346	16.6	19.0

509427 2007 EP_{91} 10 5.6 228°.91 1°.7/ 4.0 18

8 29	1 11.87	+ 3 33.2	1.849	2.684	14.6	22.6
9 8	1 7.54	+ 2 50.4	1.763	2.675	11.3	22.4
9 18	1 0.96	+ 1 55.8	1.700	2.666	7.4	22.1
9 28	0 52.71	+ 0 54.1	1.662	2.657	3.2	21.8
10 8	0 43.67	− 0 8.3	1.652	2.647	2.5	21.8
10 18	0 34.84	− 1 4.5	1.670	2.636	6.6	22.0
10 28	0 27.25	− 1 48.0	1.715	2.625	10.7	22.2
11 7	0 21.67	− 2 14.8	1.783	2.614	14.4	22.5

292871 2006 VC_{12} 10 5.6 346°.79 2°.9/ 7.8 18

8 29	1 0.85	+14 3.1	1.027	1.889	21.8	19.7
9 8	1 0.54	+13 51.9	0.956	1.876	17.6	19.4
9 18	0 57.12	+13 10.4	0.901	1.865	12.6	19.1
9 28	0 51.24	+11 59.8	0.866	1.856	6.9	18.7
10 8	0 44.13	+10 27.5	0.851	1.848	2.9	18.5
10 18	0 37.32	+ 8 45.8	0.859	1.842	7.2	18.7
10 28	0 32.39	+ 7 9.8	0.888	1.838	13.1	19.0
11 7	0 30.39	+ 5 52.4	0.937	1.836	18.3	19.3

101369 1998 UY_{3} 10 5.6 163°.04 1°.5/ 7.2 18

8 29	1 10.17	+12 16.7	2.205	3.004	13.8	20.7
9 8	1 5.81	+11 54.8	2.123	3.008	10.9	20.5
9 18	0 59.59	+11 18.1	2.062	3.011	7.6	20.3
9 28	0 52.03	+10 28.6	2.027	3.015	3.9	20.1
10 8	0 43.90	+ 9 30.4	2.020	3.017	1.5	19.9
10 18	0 36.03	+ 8 29.0	2.043	3.020	4.5	20.1
10 28	0 29.23	+ 7 30.3	2.094	3.022	8.1	20.4
11 7	0 24.12	+ 6 39.8	2.170	3.023	11.3	20.6

41755 2000 VY_{31} 10 5.6 284°.33 3°.3/ 2.9 18

8 29	1 11.82	− 1 16.2	1.697	2.547	15.1	19.1
9 8	1 7.69	− 1 52.4	1.616	2.537	11.6	18.9
9 18	1 1.15	− 2 36.0	1.557	2.526	7.7	18.6
9 28	0 52.82	− 3 21.6	1.523	2.516	4.0	18.4
10 8	0 43.64	− 4 2.2	1.516	2.505	4.1	18.4
10 18	0 34.71	− 4 31.6	1.535	2.495	7.9	18.6
10 28	0 27.13	− 4 44.7	1.580	2.484	11.9	18.8
11 7	0 21.71	− 4 39.3	1.647	2.474	15.6	19.0

108145 2001 HT_{1} 10 5.6 116°.21 0°.4/ 5.9 18

8 29	1 14.79	+ 8 32.2	1.716	2.536	16.2	20.3
9 8	1 9.70	+ 8 9.6	1.651	2.552	12.6	20.1
9 18	1 2.27	+ 7 32.2	1.607	2.567	8.4	19.9
9 28	0 53.22	+ 6 43.4	1.589	2.582	3.8	19.6
10 8	0 43.55	+ 5 48.9	1.597	2.596	1.1	19.4
10 18	0 34.35	+ 4 55.3	1.634	2.609	5.7	19.8
10 28	0 26.67	+ 4 9.3	1.698	2.622	9.9	20.1
11 7	0 21.19	+ 3 36.0	1.786	2.635	13.5	20.3

353221 2009 YV 10 5.6 338°.30 17°.8/29.9 12 C

8 29	1 33.87	−29 48.3	0.999	1.839	23.8	20.4
9 8	1 26.43	−30 35.1	0.951	1.833	21.2	20.2
9 18	1 14.22	−30 53.3	0.918	1.828	18.9	20.1
9 28	0 58.58	−30 25.3	0.903	1.823	17.8	20.0
10 8	0 41.87	−29 0.4	0.908	1.819	18.4	20.0
10 18	0 26.62	−26 39.4	0.933	1.816	20.5	20.2
10 28	0 14.87	−23 33.6	0.978	1.813	23.3	20.3
11 7	0 7.60	−19 59.3	1.039	1.811	26.2	20.6

99086 2001 FQ_{29} 10 5.6 265°.10 4°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.31	− 7 9.5	2.323	3.166	11.8	19.5
9 8	1 6.56	− 7 41.5	2.246	3.160	9.1	19.4
9 18	1 0.02	− 8 14.5	2.193	3.155	6.3	19.2
9 28	0 52.22	− 8 43.6	2.166	3.149	4.3	19.1
10 8	0 43.88	− 9 4.0	2.168	3.143	4.8	19.1
10 18	0 35.78	− 9 12.0	2.198	3.138	7.2	19.2
10 28	0 28.71	− 9 5.1	2.255	3.132	10.1	19.4
11 7	0 23.27	− 8 42.8	2.336	3.126	12.7	19.6

175311 2005 MO_{10} 10 5.6 224°.47 4°.4/10.6 18

8 29	1 8.18	+21 35.1	2.088	2.848	15.7	20.5
9 8	1 4.57	+21 20.8	1.996	2.845	13.0	20.3
9 18	0 58.94	+20 44.5	1.923	2.842	10.0	20.1
9 28	0 51.81	+19 46.2	1.875	2.839	6.8	19.9
10 8	0 44.00	+18 28.9	1.853	2.836	4.5	19.8
10 18	0 36.41	+16 58.2	1.859	2.832	5.3	19.8
10 28	0 29.95	+15 22.4	1.893	2.828	8.3	20.0
11 7	0 25.32	+13 50.1	1.953	2.825	11.5	20.2

33298 1998 KY_{44} 10 5.6 196°.88 5°.4/29.5 18

8 29	1 9.55	−10 8.1	2.261	3.110	11.8	18.8
9 8	1 5.23	−11 9.4	2.195	3.109	9.3	18.6
9 18	0 59.15	−12 10.3	2.152	3.108	6.8	18.4
9 28	0 51.83	−13 4.7	2.136	3.107	5.5	18.4
10 8	0 44.01	−13 46.6	2.147	3.106	6.3	18.4
10 18	0 36.47	−14 11.6	2.186	3.104	8.5	18.5
10 28	0 29.98	−14 17.3	2.251	3.103	11.1	18.7
11 7	0 25.11	−14 3.5	2.337	3.101	13.5	18.9

263758 2008 KE_{5} 10 5.6 327°.05 1°.5/ 3.9 18

8 29	1 5.47	+ 4 52.8	1.973	2.813	13.7	20.4
9 8	1 2.43	+ 3 55.2	1.891	2.806	10.5	20.2
9 18	0 57.49	+ 2 44.9	1.832	2.800	6.8	20.0
9 28	0 51.17	+ 1 26.6	1.799	2.794	2.9	19.7
10 8	0 44.22	+ 0 7.2	1.793	2.789	2.3	19.7
10 18	0 37.48	− 1 6.1	1.816	2.783	6.1	19.9
10 28	0 31.82	− 2 6.9	1.865	2.778	9.9	20.1
11 7	0 27.88	− 2 50.6	1.938	2.773	13.2	20.3

342306 2008 TN_{61} 10 5.6 285°.41 0°.8/ 6.3 18

8 29	1 8.80	+10 19.3	1.709	2.534	16.1	21.4
9 8	1 5.49	+ 9 51.3	1.615	2.518	12.7	21.1
9 18	0 59.81	+ 9 5.2	1.543	2.502	8.7	20.8
9 28	0 52.29	+ 8 3.4	1.494	2.486	4.2	20.5
10 8	0 43.84	+ 6 51.5	1.472	2.471	1.2	20.3
10 18	0 35.52	+ 5 37.0	1.477	2.455	5.8	20.6
10 28	0 28.47	+ 4 28.5	1.509	2.439	10.5	20.8
11 7	0 23.53	+ 3 33.4	1.564	2.423	14.6	21.0

321624 2009 WF_{90} 10 5.6 287°.12 3°.9/ 8.7 18

8 29	1 11.30	+16 0.0	1.618	2.421	17.8	20.5
9 8	1 7.63	+16 13.7	1.529	2.410	14.6	20.3
9 18	1 1.33	+16 7.2	1.459	2.400	10.8	20.0
9 28	0 53.00	+15 39.7	1.411	2.390	6.7	19.7
10 8	0 43.61	+14 53.9	1.389	2.380	3.9	19.6
10 18	0 34.38	+13 55.3	1.393	2.370	6.1	19.7
10 28	0 26.58	+12 52.6	1.423	2.360	10.3	19.9
11 7	0 21.14	+11 54.5	1.476	2.351	14.4	20.1

321486 2009 SN_{25} 10 5.6 207°.77 1°.1/ 6.7 18

8 29	1 11.11	+ 9 24.1	2.565	3.364	12.1	20.7
9 8	1 6.31	+ 9 26.8	2.474	3.361	9.5	20.5
9 18	0 59.84	+ 9 19.6	2.406	3.358	6.5	20.3
9 28	0 52.16	+ 9 3.9	2.365	3.354	3.3	20.1
10 8	0 43.91	+ 8 42.1	2.353	3.351	1.2	20.0
10 18	0 35.82	+ 8 17.7	2.371	3.347	4.1	20.2
10 28	0 28.64	+ 7 54.5	2.418	3.343	7.3	20.4
11 7	0 22.94	+ 7 36.2	2.492	3.339	10.2	20.6

97584 2000 ET_{24} 10 5.6 312°.28 2°.0/ 7.1 17

8 29	1 13.23	+ 9 43.6	2.043	2.850	14.4	19.2
9 8	1 8.62	+10 15.0	1.939	2.829	11.6	19.0
9 18	1 1.77	+10 36.3	1.857	2.808	8.1	18.8
9 28	0 53.15	+10 47.5	1.800	2.787	4.4	18.5
10 8	0 43.56	+10 50.0	1.771	2.767	2.1	18.3
10 18	0 33.97	+10 46.8	1.770	2.746	5.1	18.5
10 28	0 25.44	+10 41.8	1.797	2.727	9.1	18.7
11 7	0 18.83	+10 39.5	1.849	2.707	12.7	18.8

324785 2007 GS_{66} 10 5.6 221°.93 1°.1/ 4.3 18

8 29	1 8.49	+ 3 14.4	2.467	3.293	11.7	21.5
9 8	1 4.32	+ 2 45.9	2.382	3.290	9.0	21.3
9 18	0 58.53	+ 2 9.6	2.321	3.286	5.8	21.1
9 28	0 51.58	+ 1 28.7	2.287	3.282	2.5	20.9
10 8	0 44.10	+ 0 47.6	2.283	3.278	1.7	20.8
10 18	0 36.82	+ 0 10.4	2.307	3.274	5.0	21.0
10 28	0 30.44	− 0 18.6	2.359	3.270	8.2	21.2
11 7	0 25.53	− 0 36.5	2.437	3.265	11.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
108067 2001 FO_{165}		10 5.6 106°.13	2°.6/ 3.6 18 R			
	h m	° ′			°	m
8 29	1 14.91	+ 0 54.9	1.517	2.364	16.7	19.7
9 8	1 10.09	+ 0 20.7	1.455	2.374	12.8	19.4
9 18	1 2.69	− 0 22.8	1.414	2.382	8.3	19.2
9 28	0 53.46	− 1 9.9	1.397	2.391	3.9	19.0
10 8	0 43.51	− 1 53.4	1.407	2.400	3.4	19.0
10 18	0 34.09	− 2 26.5	1.443	2.408	7.6	19.3
10 28	0 26.31	− 2 44.2	1.505	2.416	11.9	19.5
11 7	0 20.97	− 2 43.9	1.589	2.424	15.6	19.8
78685 2002 TY_{138}		10 5.6 277°.26	5°.2/11.2 18			
8 29	1 8.24	+22 39.2	1.993	2.751	16.4	19.2
9 8	1 4.79	+22 39.1	1.899	2.744	13.8	19.0
9 18	0 59.19	+22 16.4	1.824	2.737	10.8	18.8
9 28	0 51.97	+21 30.1	1.772	2.731	7.6	18.6
10 8	0 43.96	+20 22.3	1.746	2.724	5.4	18.4
10 18	0 36.15	+18 58.3	1.746	2.717	5.9	18.4
10 28	0 29.50	+17 26.2	1.775	2.710	8.8	18.6
11 7	0 24.80	+15 55.1	1.828	2.703	12.0	18.8
1590 Tsiolkovskaja		10 5.6 74°.09	1°.9/ 7.1 18			
8 29	1 12.94	+13 8.0	1.305	2.132	20.0	14.9
9 8	1 8.91	+12 41.5	1.249	2.151	15.8	14.7
9 18	1 2.05	+11 51.4	1.212	2.169	10.9	14.5
9 28	0 53.19	+10 41.2	1.198	2.187	5.6	14.2
10 8	0 43.62	+ 9 18.7	1.208	2.206	2.0	14.1
10 18	0 34.71	+ 7 53.8	1.244	2.224	6.3	14.4
10 28	0 27.70	+ 6 37.2	1.306	2.242	11.2	14.7
11 7	0 23.36	+ 5 36.8	1.390	2.260	15.4	15.0
415677 2014 RO_{20}		10 5.6 316°.81	3°.4/ 8.9 18			
8 29	1 9.87	+15 45.6	2.198	2.982	14.3	20.6
9 8	1 5.77	+16 4.7	2.106	2.975	11.7	20.4
9 18	0 59.71	+16 9.2	2.034	2.969	8.6	20.2
9 28	0 52.17	+15 58.7	1.987	2.962	5.4	20.0
10 8	0 43.91	+15 35.1	1.967	2.956	3.4	19.9
10 18	0 35.79	+15 1.8	1.976	2.950	4.9	19.9
10 28	0 28.71	+14 24.0	2.012	2.944	8.1	20.1
11 7	0 23.36	+13 47.5	2.073	2.939	11.2	20.3
252677 2002 AP_{107}		10 5.6 142°.74	3°.6/ 2.6 18			
8 29	1 14.42	− 0 27.3	1.576	2.424	16.1	20.2
9 8	1 9.64	− 1 27.2	1.513	2.432	12.3	20.0
9 18	1 2.36	− 2 36.2	1.471	2.440	8.1	19.7
9 28	0 53.32	− 3 47.0	1.455	2.447	4.3	19.5
10 8	0 43.58	− 4 51.3	1.466	2.454	4.5	19.6
10 18	0 34.33	− 5 41.4	1.504	2.460	8.3	19.8
10 28	0 26.66	− 6 11.8	1.567	2.466	12.4	20.1
11 7	0 21.32	− 6 20.7	1.652	2.471	15.9	20.3
390357 2013 CM_{196}		10 5.6 303°.03	0°.9/ 3.8 18			
8 29	1 2.01	+ 1 35.5	4.141	4.964	7.4	21.2
9 8	0 58.74	+ 1 12.2	4.053	4.959	5.6	21.1
9 18	0 54.57	+ 0 45.1	3.990	4.955	3.6	20.9
9 28	0 49.78	+ 0 16.1	3.956	4.950	1.6	20.8
10 8	0 44.71	− 0 12.3	3.951	4.945	1.3	20.7
10 18	0 39.74	− 0 38.0	3.977	4.940	3.3	20.9
10 28	0 35.25	− 0 58.6	4.032	4.935	5.3	21.0
11 7	0 31.55	− 1 12.5	4.114	4.931	7.1	21.2
273723 2007 EV_{91}		10 5.6 152°.23	0°.7/ 6.2 16			
8 29	1 12.90	+ 9 40.3	1.970	2.780	14.8	21.7
9 8	1 8.08	+ 9 15.8	1.893	2.788	11.6	21.5
9 18	1 1.18	+ 8 36.9	1.838	2.795	7.8	21.3
9 28	0 52.78	+ 7 46.4	1.809	2.801	3.7	21.1
10 8	0 43.75	+ 6 49.2	1.809	2.807	1.0	20.9
10 18	0 35.06	+ 5 51.3	1.837	2.812	5.1	21.2
10 28	0 27.62	+ 4 59.1	1.893	2.817	9.1	21.4
11 7	0 22.12	+ 4 17.8	1.974	2.821	12.5	21.7
383553 2007 EM_{15}		10 5.6 228°.21	1°.1/ 4.5 18			
8 29	1 11.49	+ 5 8.8	1.822	2.655	14.9	21.5
9 8	1 7.29	+ 4 28.7	1.737	2.647	11.6	21.2
9 18	1 0.84	+ 3 35.5	1.674	2.640	7.6	21.0
9 28	0 52.70	+ 2 33.4	1.636	2.631	3.2	20.7
10 8	0 43.77	+ 1 28.8	1.626	2.623	2.0	20.6
10 18	0 35.06	+ 0 28.8	1.644	2.614	6.3	20.9
10 28	0 27.61	− 0 19.9	1.689	2.604	10.6	21.1
11 7	0 22.19	− 0 52.7	1.757	2.595	14.2	21.3
127663 2003 DK_{14}		10 5.6 274°.25	3°.9/ 2.4 18			
8 29	1 12.46	− 2 9.9	1.654	2.506	15.3	20.2
9 8	1 8.34	− 2 55.4	1.568	2.490	11.8	20.0
9 18	1 1.71	− 3 48.8	1.504	2.473	7.9	19.7
9 28	0 53.15	− 4 43.8	1.465	2.456	4.4	19.5
10 8	0 43.61	− 5 32.7	1.452	2.439	4.8	19.5
10 18	0 34.26	− 6 8.4	1.466	2.422	8.6	19.6
10 28	0 26.27	− 6 25.2	1.505	2.404	12.8	19.8
11 7	0 20.53	− 6 21.0	1.566	2.387	16.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
155837 2000 YG_{26}		10 5.6 277°.84	1°.3/ 4.3 18			
	h m	° ′			°	m
8 29	1 8.87	+ 3 10.4	2.209	3.041	12.7	20.2
9 8	1 4.89	+ 2 42.2	2.119	3.029	9.8	20.0
9 18	0 59.07	+ 2 5.3	2.051	3.017	6.4	19.7
9 28	0 51.88	+ 1 22.9	2.010	3.005	2.8	19.5
10 8	0 44.04	+ 0 40.0	1.997	2.993	2.0	19.4
10 18	0 36.35	+ 0 1.4	2.012	2.980	5.5	19.6
10 28	0 29.65	− 0 28.1	2.056	2.968	9.1	19.8
11 7	0 24.58	− 0 45.2	2.123	2.956	12.3	20.0
314460 2005 WL_{8}		10 5.6 41°.08	4°.0/ 1.8 18			
8 29	1 10.42	− 4 49.8	1.995	2.844	13.2	20.6
9 8	1 6.08	− 5 29.4	1.930	2.849	10.1	20.5
9 18	0 59.79	− 6 11.9	1.887	2.853	6.8	20.3
9 28	0 52.15	− 6 51.9	1.871	2.858	4.3	20.1
10 8	0 43.98	− 7 23.6	1.882	2.863	4.7	20.2
10 18	0 36.14	− 7 42.4	1.920	2.868	7.5	20.3
10 28	0 29.51	− 7 45.2	1.985	2.873	10.7	20.6
11 7	0 24.69	− 7 31.3	2.072	2.878	13.6	20.8
412622 2014 OY_{103}		10 5.6 60°.90	2°.9/ 8.4 15			
8 29	1 11.93	+14 6.0	2.194	2.982	14.2	21.7
9 8	1 7.18	+14 26.4	2.119	2.993	11.4	21.5
9 18	1 0.51	+14 33.0	2.065	3.004	8.2	21.3
9 28	0 52.48	+14 26.3	2.036	3.015	4.9	21.2
10 8	0 43.87	+14 8.2	2.035	3.027	2.9	21.0
10 18	0 35.55	+13 42.5	2.063	3.038	4.7	21.2
10 28	0 28.36	+13 13.8	2.119	3.050	7.8	21.4
11 7	0 22.93	+12 47.3	2.200	3.062	10.8	21.6
113647 2002 TU_{78}		10 5.6 30°.97	6°.2/ 1.2 18			
8 29	1 10.53	− 4 44.2	1.153	2.033	18.6	18.9
9 8	1 7.31	− 5 52.9	1.106	2.042	14.3	18.7
9 18	1 1.11	− 7 7.0	1.079	2.051	9.8	18.5
9 28	0 52.82	− 8 16.0	1.074	2.062	6.4	18.3
10 8	0 43.79	− 9 8.9	1.092	2.073	7.3	18.4
10 18	0 35.44	− 9 37.7	1.134	2.085	11.1	18.7
10 28	0 29.07	− 9 38.7	1.198	2.098	15.3	18.9
11 7	0 25.44	− 9 12.7	1.281	2.111	18.9	19.2
68827 2002 GB_{85}		10 5.6 245°.84	2°.4/ 2.9 18			
8 29	1 8.04	+ 3 29.3	1.880	2.722	14.2	19.8
9 8	1 4.55	+ 2 12.1	1.796	2.713	10.9	19.6
9 18	0 58.98	+ 0 41.2	1.735	2.704	7.0	19.4
9 28	0 51.88	− 0 57.4	1.700	2.695	3.3	19.1
10 8	0 44.06	− 2 35.4	1.694	2.685	3.3	19.1
10 18	0 36.45	− 4 4.2	1.715	2.676	7.1	19.3
10 28	0 30.00	− 5 16.3	1.764	2.666	11.0	19.5
11 7	0 25.42	− 6 7.1	1.835	2.655	14.5	19.8
476530 2008 GD_{126}		10 5.6 153°.29	1°.5/ 6.9 17			
8 29	1 13.16	+11 56.2	1.825	2.631	15.9	21.9
9 8	1 8.49	+11 34.7	1.748	2.638	12.6	21.7
9 18	1 1.56	+10 56.1	1.692	2.644	8.7	21.4
9 28	0 53.00	+10 2.6	1.661	2.650	4.4	21.2
10 8	0 43.73	+ 8 59.2	1.657	2.655	1.6	21.0
10 18	0 34.81	+ 7 52.6	1.682	2.660	5.3	21.3
10 28	0 27.26	+ 6 50.3	1.735	2.664	9.4	21.5
11 7	0 21.79	+ 5 58.7	1.812	2.667	13.1	21.8
301211 2009 AC_{44}		10 5.6 340°.83	0°.9/ 6.4 18			
8 29	1 9.17	+ 9 39.3	1.698	2.526	16.1	21.1
9 8	1 5.65	+ 9 21.8	1.619	2.523	12.6	20.9
9 18	0 59.82	+ 8 48.1	1.560	2.520	8.6	20.7
9 28	0 52.28	+ 8 1.0	1.526	2.518	4.1	20.4
10 8	0 43.95	+ 7 5.6	1.517	2.516	1.2	20.2
10 18	0 35.90	+ 6 8.6	1.536	2.514	5.6	20.5
10 28	0 29.18	+ 5 17.5	1.581	2.512	10.0	20.7
11 7	0 24.56	+ 4 38.2	1.650	2.511	13.8	21.0
106588 2000 WW_{106}		10 5.6 152°.17	10°.5/18.7 18			
8 29	1 17.25	+38 46.6	2.079	2.707	19.2	20.2
9 8	1 12.03	+39 26.2	1.996	2.717	17.4	20.1
9 18	1 4.11	+39 37.2	1.927	2.727	15.2	19.9
9 28	0 54.18	+39 14.4	1.876	2.735	13.1	19.8
10 8	0 43.34	+38 16.1	1.847	2.743	11.3	19.7
10 18	0 32.89	+36 44.9	1.843	2.750	10.5	19.7
10 28	0 24.06	+34 48.9	1.864	2.756	11.1	19.7
11 7	0 17.72	+32 39.3	1.911	2.761	12.7	19.9
362878 2012 BK_{102}		10 5.6 168°.71	3°.5/ 1.6 18			
8 29	1 9.05	− 4 1.7	2.337	3.180	11.7	21.1
9 8	1 4.79	− 4 51.7	2.265	3.182	8.9	20.9
9 18	0 58.86	− 5 45.4	2.218	3.183	6.0	20.7
9 28	0 51.74	− 6 37.8	2.197	3.184	3.7	20.6
10 8	0 44.14	− 7 23.4	2.205	3.185	4.2	20.6
10 18	0 36.80	− 7 57.6	2.241	3.186	6.8	20.8
10 28	0 30.44	− 8 17.1	2.305	3.186	9.7	21.0
11 7	0 25.63	− 8 20.4	2.391	3.187	12.3	21.1

487247 2014 PT_{16} 10 5.6 299°.12 7°.5/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.35	−13 26.8	2.131	2.991	12.0	20.8
9 8	1 2.31	−15 23.4	2.060	2.976	9.7	20.7
9 18	0 57.43	−17 20.0	2.014	2.961	7.9	20.5
9 28	0 51.19	−19 7.7	1.995	2.945	7.5	20.5
10 8	0 44.30	−20 37.8	2.002	2.930	8.8	20.5
10 18	0 37.59	−21 43.9	2.036	2.915	11.0	20.7
10 28	0 31.87	−22 22.2	2.092	2.900	13.5	20.8
11 7	0 27.80	−22 32.8	2.167	2.885	15.7	20.9

83759 2001 TC_{151} 10 5.6 43°.26 5°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.45	− 4 57.8	1.310	2.181	17.4	19.4
9 8	1 7.68	− 6 3.4	1.262	2.193	13.3	19.2
9 18	1 1.19	− 7 13.5	1.235	2.206	9.1	19.0
9 28	0 52.83	− 8 18.5	1.232	2.219	6.0	18.9
10 8	0 43.82	− 9 8.8	1.253	2.232	6.8	18.9
10 18	0 35.46	− 9 37.4	1.298	2.246	10.3	19.2
10 28	0 28.90	− 9 40.9	1.366	2.260	14.2	19.5
11 7	0 24.87	− 9 19.7	1.455	2.275	17.6	19.7

218591 2005 LL_{42} 10 5.6 30°.84 3°.4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.05	+ 0 58.2	1.036	1.916	20.2	19.2
9 8	1 7.12	+ 0 15.4	0.995	1.931	15.4	19.0
9 18	1 1.05	− 0 39.5	0.972	1.948	10.0	18.7
9 28	0 52.81	− 1 37.7	0.970	1.965	4.7	18.5
10 8	0 43.86	− 2 29.1	0.990	1.984	4.4	18.6
10 18	0 35.71	− 3 4.6	1.034	2.003	9.3	18.9
10 28	0 29.69	− 3 18.7	1.101	2.024	14.1	19.2
11 7	0 26.55	− 3 9.6	1.186	2.045	18.2	19.6

208792 2002 QJ_{61} 10 5.6 302°.32 2°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.11	+12 47.0	1.790	2.602	16.0	20.1
9 8	1 5.60	+12 39.2	1.701	2.593	12.8	19.9
9 18	0 59.82	+12 13.7	1.633	2.585	9.0	19.6
9 28	0 52.31	+11 31.9	1.589	2.576	4.9	19.4
10 8	0 43.96	+10 37.9	1.571	2.568	2.1	19.2
10 18	0 35.80	+ 9 37.7	1.581	2.559	5.3	19.4
10 28	0 28.88	+ 8 38.8	1.617	2.551	9.5	19.6
11 7	0 24.00	+ 7 48.4	1.677	2.543	13.4	19.8

486453 2013 GY_{14} 10 5.6 313°.95 0°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.83	+ 8 44.2	1.982	2.800	14.5	21.2
9 8	1 6.61	+ 8 42.9	1.898	2.796	11.4	21.0
9 18	1 0.31	+ 8 29.3	1.835	2.792	7.7	20.8
9 28	0 52.48	+ 8 5.2	1.797	2.789	3.7	20.6
10 8	0 43.92	+ 7 34.3	1.787	2.785	1.1	20.4
10 18	0 35.59	+ 7 1.3	1.805	2.782	5.0	20.6
10 28	0 28.41	+ 6 31.5	1.851	2.779	9.0	20.9
11 7	0 23.11	+ 6 9.7	1.921	2.776	12.4	21.1

384276 2009 PV_{11} 10 5.6 10°.28 2°.6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.85	+ 3 20.1	0.900	1.795	21.2	19.9
9 8	1 2.10	+ 2 39.6	0.853	1.798	16.3	19.6
9 18	0 58.06	+ 1 41.2	0.823	1.803	10.6	19.3
9 28	0 51.62	+ 0 33.7	0.813	1.810	4.6	19.0
10 8	0 44.23	− 0 31.1	0.824	1.819	3.8	19.0
10 18	0 37.49	− 1 21.8	0.856	1.831	9.4	19.4
10 28	0 32.85	− 1 49.7	0.908	1.844	14.8	19.7
11 7	0 31.16	− 1 51.5	0.979	1.859	19.4	20.1

469370 2001 QH_{208} 10 5.6 18°.65 1°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.01	+ 3 39.0	1.071	1.945	20.2	20.2
9 8	1 6.42	+ 3 22.0	1.020	1.952	15.5	19.9
9 18	1 0.69	+ 2 50.3	0.987	1.961	10.1	19.7
9 28	0 52.72	+ 2 9.9	0.975	1.971	4.3	19.4
10 8	0 43.89	+ 1 29.2	0.986	1.983	2.6	19.3
10 18	0 35.70	+ 0 56.6	1.020	1.996	8.1	19.7
10 28	0 29.55	+ 0 39.4	1.076	2.009	13.3	20.0
11 7	0 26.27	+ 0 41.1	1.153	2.025	17.7	20.4

327147 2005 GM_{33} 10 5.6 105°.56 1°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.56	+15 57.4	1.614	2.418	17.8	21.1
9 8	1 6.62	+14 20.9	1.546	2.435	14.0	20.9
9 18	1 0.34	+12 17.3	1.499	2.451	9.6	20.7
9 28	0 52.45	+ 9 52.4	1.477	2.467	4.7	20.4
10 8	0 43.98	+ 7 17.0	1.485	2.483	1.2	20.2
10 18	0 36.04	+ 4 43.9	1.521	2.498	5.8	20.6
10 28	0 29.62	+ 2 25.6	1.587	2.513	10.3	20.9
11 7	0 25.41	+ 0 31.1	1.677	2.527	14.2	21.1

422853 2002 JU_{44} 10 5.6 129°.84 7°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.75	+31 54.9	1.852	2.549	19.4	21.3
9 8	1 9.14	+31 29.7	1.772	2.564	16.8	21.2
9 18	1 2.04	+30 32.0	1.708	2.578	13.7	21.0
9 28	0 53.21	+29 0.0	1.665	2.592	10.5	20.8
10 8	0 43.73	+26 56.4	1.648	2.605	8.0	20.7
10 18	0 34.78	+24 29.3	1.659	2.617	7.5	20.7
10 28	0 27.43	+21 50.9	1.698	2.628	9.5	20.9
11 7	0 22.42	+19 15.0	1.765	2.639	12.4	21.1

43415 2000 WW_{168} 10 5.6 184°.89 3°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.33	+15 39.2	1.664	2.462	17.6	19.0
9 8	1 9.01	+15 38.9	1.583	2.463	14.3	18.8
9 18	1 2.14	+15 18.0	1.520	2.463	10.4	18.5
9 28	0 53.35	+14 36.9	1.481	2.462	6.2	18.3
10 8	0 43.66	+13 39.3	1.468	2.461	3.3	18.1
10 18	0 34.27	+12 31.6	1.483	2.460	5.8	18.3
10 28	0 26.35	+11 22.5	1.524	2.459	10.0	18.5
11 7	0 20.76	+10 20.6	1.589	2.457	13.9	18.8

276550 2003 SH_{132} 10 5.6 358°.85 0°.3/ 5.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.34	+ 5 58.8	1.695	2.539	15.4	20.7
9 8	1 3.42	+ 5 42.6	1.620	2.536	11.9	20.5
9 18	0 58.32	+ 5 13.8	1.567	2.534	7.9	20.3
9 28	0 51.63	+ 4 35.9	1.538	2.533	3.4	20.0
10 8	0 44.22	+ 3 54.3	1.534	2.533	1.3	19.8
10 18	0 37.10	+ 3 15.0	1.558	2.533	5.8	20.1
10 28	0 31.24	+ 2 44.1	1.607	2.535	10.1	20.4
11 7	0 27.38	+ 2 25.9	1.679	2.538	13.8	20.6

286820 2002 LS_{59} 10 5.6 96°.49 6°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.67	−11 3.9	1.870	2.725	13.7	20.1
9 8	1 7.06	−12 32.4	1.826	2.742	10.7	20.0
9 18	1 0.42	−13 58.9	1.806	2.760	8.1	19.9
9 28	0 52.43	−15 15.0	1.811	2.777	6.8	19.8
10 8	0 44.00	−16 13.0	1.843	2.794	7.8	19.9
10 18	0 36.07	−16 48.0	1.902	2.811	10.1	20.1
10 28	0 29.49	−16 58.0	1.984	2.827	12.8	20.3
11 7	0 24.86	−16 44.3	2.088	2.843	15.1	20.5

442282 2011 RJ_{10} 10 5.6 28°.74 2°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.34	+13 39.2	1.834	2.637	16.0	21.5
9 8	1 7.20	+13 45.6	1.753	2.638	12.9	21.3
9 18	1 0.80	+13 35.2	1.693	2.639	9.2	21.1
9 28	0 52.72	+13 8.8	1.656	2.640	5.3	20.8
10 8	0 43.88	+12 29.6	1.646	2.641	2.7	20.7
10 18	0 35.30	+11 42.9	1.664	2.642	5.3	20.8
10 28	0 28.02	+10 55.3	1.709	2.643	9.1	21.1
11 7	0 22.79	+10 13.4	1.778	2.644	12.7	21.3

220318 2003 EG_{63} 10 5.6 43°.91 0°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.17	+ 2 55.8	4.216	5.032	7.4	19.9
9 8	0 59.60	+ 2 41.9	4.132	5.034	5.6	19.7
9 18	0 55.15	+ 2 24.1	4.073	5.035	3.7	19.6
9 28	0 50.08	+ 2 3.9	4.042	5.036	1.6	19.4
10 8	0 44.76	+ 1 43.6	4.042	5.038	1.0	19.4
10 18	0 39.54	+ 1 25.1	4.072	5.039	3.0	19.6
10 28	0 34.81	+ 1 10.5	4.131	5.041	5.0	19.7
11 7	0 30.88	+ 1 1.4	4.218	5.042	6.8	19.8

167417 2003 WP_{139} 10 5.6 342°.16 10°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.65	−17 49.1	1.407	2.274	16.7	18.4
9 8	1 8.79	−18 53.6	1.349	2.264	13.8	18.2
9 18	1 2.10	−19 49.6	1.310	2.255	11.4	18.1
9 28	0 53.35	−20 26.2	1.294	2.247	10.5	18.0
10 8	0 43.73	−20 34.5	1.301	2.239	11.5	18.0
10 18	0 34.62	−20 9.8	1.330	2.233	14.0	18.2
10 28	0 27.28	−19 12.3	1.380	2.227	17.0	18.3
11 7	0 22.54	−17 46.3	1.449	2.223	19.8	18.5

511276 2014 DD_{16} 10 5.6 123°.39 0°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.53	+ 5 2.2	2.085	2.903	13.8	21.3
9 8	1 9.17	+ 4 52.5	2.014	2.915	10.7	21.1
9 18	1 1.83	+ 4 33.7	1.965	2.926	7.0	20.9
9 28	0 53.10	+ 4 8.4	1.943	2.938	3.0	20.7
10 8	0 43.83	+ 3 40.8	1.950	2.948	1.2	20.6
10 18	0 34.92	+ 3 15.3	1.986	2.959	5.2	20.9
10 28	0 27.23	+ 2 56.2	2.051	2.969	8.8	21.1
11 7	0 21.40	+ 2 46.7	2.140	2.978	12.0	21.3

266759 2009 SE_{103} 10 5.6 33°.97 2°.9/ 3.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.70	+ 3 30.0	1.198	2.067	18.8	20.0
9 8	1 5.09	+ 2 17.6	1.146	2.077	14.3	19.8
9 18	0 59.66	+ 0 49.1	1.114	2.088	9.2	19.5
9 28	0 52.26	− 0 46.6	1.104	2.100	4.2	19.3
10 8	0 44.11	− 2 17.7	1.119	2.112	4.0	19.3
10 18	0 36.56	− 3 33.4	1.159	2.125	8.8	19.7
10 28	0 30.82	− 4 25.6	1.221	2.139	13.5	20.0
11 7	0 27.65	− 4 51.0	1.304	2.153	17.5	20.3

454026 2012 DB_{97} 10 5.6 210°.20 6°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.62	−15 39.4	2.655	3.494	10.6	21.6
9 8	1 5.87	−16 39.5	2.587	3.489	8.6	21.5
9 18	0 59.53	−17 35.8	2.544	3.483	6.9	21.4
9 28	0 52.07	−18 22.7	2.528	3.477	6.2	21.3
10 8	0 44.16	−18 55.0	2.539	3.471	7.0	21.3
10 18	0 36.48	−19 9.5	2.578	3.465	8.7	21.4
10 28	0 29.73	−19 4.5	2.642	3.458	10.8	21.6
11 7	0 24.43	−18 40.5	2.728	3.450	12.7	21.7

512436 2016 PF_{91} 10 5.6 159°.25 1°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.52	+ 8 6.9	1.927	2.735	15.2	21.1
9 8	1 11.81	+ 8 26.0	1.846	2.738	11.9	20.9
9 18	1 3.77	+ 8 34.1	1.787	2.741	8.2	20.7
9 28	0 54.04	+ 8 32.5	1.754	2.744	4.0	20.5
10 8	0 43.53	+ 8 23.7	1.748	2.746	1.4	20.3
10 18	0 33.32	+ 8 11.6	1.772	2.748	5.2	20.6
10 28	0 24.44	+ 8 0.7	1.824	2.750	9.2	20.8
11 7	0 17.67	+ 7 55.4	1.901	2.752	12.8	21.0

491802 2012 XX_{70} 10 5.6 308°.52 2°.9/ 3.2 18

8 29	1 9.14	+ 0 52.7	1.554	2.411	15.9	21.5
9 8	1 5.98	+ 0 11.5	1.468	2.392	12.3	21.3
9 18	1 0.28	− 0 41.0	1.402	2.373	8.1	21.0
9 28	0 52.62	− 1 39.1	1.360	2.355	3.9	20.7
10 8	0 43.96	− 2 35.1	1.345	2.337	3.8	20.6
10 18	0 35.44	− 3 21.0	1.355	2.319	8.1	20.9
10 28	0 28.29	− 3 50.1	1.389	2.302	12.6	21.1
11 7	0 23.41	− 3 58.6	1.445	2.285	16.6	21.3

176244 2001 QO_{236} 10 5.6 309°.86 7°.7/ 9.9 17

8 29	1 20.52	+20 34.3	1.837	2.590	17.7	19.7
9 8	1 15.02	+22 13.0	1.732	2.570	15.2	19.5
9 18	1 6.55	+23 38.6	1.647	2.551	12.3	19.3
9 28	0 55.55	+24 45.5	1.585	2.532	9.4	19.0
10 8	0 42.98	+25 29.8	1.550	2.513	7.8	18.9
10 18	0 30.15	+25 50.4	1.542	2.494	8.6	18.9
10 28	0 18.58	+25 50.8	1.560	2.476	11.2	19.0
11 7	0 9.49	+25 38.4	1.603	2.459	14.5	19.2

321628 2009 WV_{107} 10 5.6 270°.71 0°.2/ 5.2 18

8 29	1 1.11	+ 5 39.1	4.491	5.301	7.1	21.5
9 8	0 58.03	+ 5 16.1	4.398	5.295	5.4	21.4
9 18	0 54.13	+ 4 48.0	4.330	5.290	3.6	21.2
9 28	0 49.66	+ 4 16.5	4.291	5.285	1.5	21.1
10 8	0 44.93	+ 3 43.6	4.281	5.279	0.6	21.0
10 18	0 40.29	+ 3 11.6	4.302	5.274	2.7	21.2
10 28	0 36.08	+ 2 42.7	4.353	5.268	4.6	21.3
11 7	0 32.59	+ 2 18.9	4.432	5.263	6.4	21.4

410909 2009 SO_{160} 10 5.6 279°.91 0°.8/ 4.8 17

8 29	1 12.62	+ 2 46.1	2.438	3.258	12.0	21.2
9 8	1 7.71	+ 2 43.8	2.334	3.237	9.3	21.0
9 18	1 0.96	+ 2 35.1	2.253	3.215	6.2	20.8
9 28	0 52.80	+ 2 22.3	2.199	3.194	2.7	20.5
10 8	0 43.92	+ 2 8.6	2.175	3.172	1.4	20.4
10 18	0 35.09	+ 1 57.5	2.181	3.150	5.0	20.6
10 28	0 27.15	+ 1 52.5	2.215	3.128	8.5	20.8
11 7	0 20.78	+ 1 56.3	2.274	3.106	11.6	21.0

90407 2003 YB_{73} 10 5.6 201°.02 2°.3/ 3.5 18

8 29	1 11.75	+ 0 29.0	1.933	2.773	13.9	19.2
9 8	1 7.29	− 0 2.4	1.857	2.772	10.7	19.0
9 18	1 0.74	− 0 41.3	1.804	2.771	7.0	18.8
9 28	0 52.69	− 1 23.0	1.776	2.770	3.3	18.6
10 8	0 43.99	− 2 2.1	1.777	2.769	3.0	18.6
10 18	0 35.58	− 2 33.0	1.805	2.768	6.6	18.8
10 28	0 28.38	− 2 51.4	1.860	2.767	10.3	19.0
11 7	0 23.09	− 2 54.7	1.939	2.765	13.6	19.2

145340 2005 MZ_{3} 10 5.6 21°.07 0°.8/ 4.8 18

8 29	1 8.65	+ 5 42.9	1.805	2.642	14.9	20.3
9 8	1 5.05	+ 5 5.9	1.731	2.643	11.5	20.1
9 18	0 59.33	+ 4 16.1	1.679	2.645	7.5	19.9
9 28	0 52.09	+ 3 17.6	1.651	2.647	3.2	19.6
10 8	0 44.19	+ 2 16.9	1.651	2.649	1.7	19.5
10 18	0 36.59	+ 1 20.4	1.679	2.651	6.0	19.8
10 28	0 30.25	+ 0 34.7	1.733	2.653	10.0	20.1
11 7	0 25.84	+ 0 4.0	1.811	2.656	13.5	20.3

385458 2003 SP_{317} 10 5.6 308°.20 0°.1/ 6.6 17

8 29	0 48.69	+ 7 42.9	41.463	42.259	0.9	23.5
9 8	0 48.08	+ 7 39.6	41.368	42.255	0.7	23.4
9 18	0 47.40	+ 7 35.8	41.298	42.251	0.4	23.4
9 28	0 46.67	+ 7 31.5	41.257	42.247	0.2	23.4
10 8	0 45.92	+ 7 27.0	41.245	42.243	0.1	23.3
10 18	0 45.18	+ 7 22.4	41.263	42.239	0.3	23.4
10 28	0 44.47	+ 7 18.0	41.311	42.235	0.5	23.4
11 7	0 43.82	+ 7 13.8	41.386	42.231	0.7	23.4

488008 2015 TH_{349} 10 5.6 347°.37 2°.9/ 2.5 18

8 29	1 5.04	+ 1 12.7	1.783	2.638	14.2	20.8
9 8	1 2.33	+ 0 5.4	1.709	2.633	10.8	20.5
9 18	0 57.57	− 1 12.7	1.657	2.629	7.1	20.3
9 28	0 51.33	− 2 35.3	1.631	2.624	3.6	20.1
10 8	0 44.44	− 3 54.3	1.631	2.621	3.8	20.1
10 18	0 37.80	− 5 2.0	1.659	2.618	7.4	20.3
10 28	0 32.34	− 5 52.2	1.712	2.615	11.2	20.5
11 7	0 28.72	− 6 21.4	1.787	2.613	14.5	20.8

280928 2006 AB_{61} 10 5.6 95°.83 5°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.31	+21 49.0	1.821	2.582	17.6	20.7
9 8	1 8.74	+22 5.0	1.750	2.597	14.7	20.5
9 18	1 1.81	+21 58.3	1.697	2.612	11.3	20.3
9 28	0 53.19	+21 28.1	1.668	2.627	7.9	20.2
10 8	0 43.87	+20 36.6	1.664	2.642	5.6	20.1
10 18	0 34.95	+19 29.5	1.687	2.656	6.3	20.1
10 28	0 27.49	+18 14.8	1.737	2.670	9.1	20.3
11 7	0 22.22	+17 1.3	1.812	2.683	12.3	20.6

352946 2009 BP_{11} 10 5.6 252°.87 3°.8/ 9.5 18

8 29	1 9.69	+18 17.0	1.956	2.736	15.9	20.6
9 8	1 5.95	+18 13.6	1.863	2.729	13.1	20.4
9 18	1 0.02	+17 50.2	1.790	2.722	9.8	20.2
9 28	0 52.45	+17 6.6	1.741	2.715	6.3	20.0
10 8	0 44.08	+16 5.7	1.719	2.707	3.9	19.8
10 18	0 35.88	+14 53.0	1.724	2.699	5.4	19.9
10 28	0 28.86	+13 36.2	1.756	2.692	8.8	20.1
11 7	0 23.79	+12 23.5	1.814	2.684	12.3	20.3

452117 2014 RM_{24} 10 5.6 212°.60 0°.0/ 5.5 18

8 29	1 6.45	+ 8 26.8	2.529	3.342	11.8	21.5
9 8	1 2.79	+ 7 41.3	2.440	3.339	9.2	21.3
9 18	0 57.59	+ 6 43.9	2.376	3.335	6.1	21.1
9 28	0 51.28	+ 5 37.7	2.338	3.332	2.7	20.8
10 8	0 44.47	+ 4 27.3	2.330	3.328	0.9	20.7
10 18	0 37.84	+ 3 18.1	2.351	3.324	4.4	21.0
10 28	0 32.07	+ 2 15.4	2.401	3.320	7.7	21.2
11 7	0 27.68	+ 1 23.7	2.477	3.316	10.6	21.3

468011 2013 AO_{103} 10 5.6 252°.52 4°.8/24.4 18

8 29	1 1.44	−20 19.5	4.493	5.325	6.7	20.9
9 8	0 58.33	−21 22.7	4.433	5.320	5.6	20.8
9 18	0 54.36	−22 21.9	4.399	5.315	4.9	20.8
9 28	0 49.78	−23 13.6	4.393	5.309	4.8	20.7
10 8	0 44.95	−23 55.0	4.414	5.304	5.4	20.8
10 18	0 40.21	−24 24.0	4.462	5.298	6.4	20.9
10 28	0 35.94	−24 39.4	4.535	5.293	7.5	20.9
11 7	0 32.44	−24 41.2	4.629	5.287	8.6	21.0

137386 1999 TK_{155} 10 5.6 336°.23 0°.8/ 6.0 18

8 29	1 9.93	+ 5 41.8	1.058	1.928	20.7	19.2
9 8	1 7.77	+ 6 12.8	0.981	1.909	16.5	18.8
9 18	1 2.16	+ 6 30.5	0.921	1.892	11.3	18.5
9 28	0 53.69	+ 6 36.2	0.881	1.876	5.3	18.1
10 8	0 43.66	+ 6 34.0	0.863	1.862	1.5	17.8
10 18	0 33.77	+ 6 29.6	0.868	1.849	7.9	18.2
10 28	0 25.84	+ 6 30.5	0.894	1.838	13.9	18.5
11 7	0 21.16	+ 6 42.7	0.939	1.828	19.2	18.7

2470 Agematsu 10 5.6 200°.38 1°.5/ 4.1 18

8 29	1 9.59	+ 2 49.6	2.086	2.920	13.2	16.5
9 8	1 5.49	+ 2 16.4	2.008	2.920	10.2	16.3
9 18	0 59.50	+ 1 34.3	1.953	2.919	6.6	16.1
9 28	0 52.15	+ 0 47.2	1.924	2.919	2.9	15.8
10 8	0 44.21	+ 0 0.6	1.923	2.918	2.2	15.8
10 18	0 36.52	− 0 40.4	1.951	2.918	5.8	16.0
10 28	0 29.93	− 1 10.9	2.006	2.917	9.4	16.3
11 7	0 25.06	− 1 27.8	2.085	2.917	12.5	16.5

478934 2012 XM_{20} 10 5.6 300°.37 9°.9/27.2 18

8 29	1 14.81	−18 52.4	1.668	2.520	15.2	21.0
9 8	1 10.14	−20 1.4	1.603	2.507	12.7	20.8
9 18	1 2.87	−21 2.6	1.559	2.495	10.7	20.6
9 28	0 53.71	−21 46.1	1.539	2.482	9.9	20.6
10 8	0 43.73	−22 3.5	1.543	2.470	11.0	20.6
10 18	0 34.14	−21 50.2	1.571	2.458	13.3	20.7
10 28	0 26.11	−21 5.7	1.621	2.446	16.0	20.9
11 7	0 20.46	−19 53.5	1.689	2.434	18.5	21.0

24473 2000 UK_{98} 10 5.6 139°.42 0°.0/ 5.4 18

8 29	1 16.70	+ 6 34.7	1.607	2.434	16.9	17.2
9 8	1 11.49	+ 6 22.8	1.537	2.442	13.1	16.9
9 18	1 3.71	+ 5 57.4	1.488	2.450	8.7	16.7
9 28	0 54.06	+ 5 21.9	1.463	2.457	3.9	16.4
10 8	0 43.63	+ 4 41.6	1.465	2.464	1.2	16.3
10 18	0 33.64	+ 4 2.9	1.495	2.470	6.2	16.6
10 28	0 25.25	+ 3 32.1	1.552	2.476	10.7	16.9
11 7	0 19.26	+ 3 13.8	1.632	2.481	14.6	17.2

477145 2009 DQ_{41} 10 5.6 324°.97 8°.0/10.2 16

8 29	1 12.44	+19 31.6	1.428	2.223	20.1	21.1
9 8	1 9.34	+20 56.1	1.331	2.199	17.2	20.8
9 18	1 3.10	+22 3.1	1.251	2.175	13.8	20.6
9 28	0 54.14	+22 47.3	1.192	2.152	10.3	20.3
10 8	0 43.51	+23 5.5	1.155	2.130	8.1	20.1
10 18	0 32.67	+22 58.0	1.143	2.109	9.1	20.1
10 28	0 23.32	+22 30.8	1.154	2.089	12.5	20.3
11 7	0 16.81	+21 53.6	1.186	2.070	16.5	20.4

403458 2009 SE_{330} 10 5.6 9.°48 2.°6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.40	+12 28.8	1.964	2.767	15.1	20.4
9 8	1 7.12	+12 50.7	1.883	2.768	12.1	20.2
9 18	1 0.71	+12 58.8	1.823	2.770	8.6	20.0
9 28	0 52.74	+12 53.4	1.788	2.771	4.9	19.8
10 8	0 44.04	+12 36.9	1.780	2.774	2.6	19.6
10 18	0 35.57	+12 13.2	1.799	2.776	5.0	19.8
10 28	0 28.31	+11 47.3	1.846	2.779	8.6	20.0
11 7	0 22.97	+11 24.8	1.917	2.782	12.0	20.3

13915 Yalow 10 5.6 83.°88 5.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.76	− 8 6.2	1.888	2.739	13.7	17.2
9 8	1 7.92	− 8 59.9	1.836	2.753	10.6	17.0
9 18	1 1.04	− 9 53.8	1.806	2.767	7.5	16.8
9 28	0 52.78	−10 41.2	1.802	2.781	5.5	16.7
10 8	0 44.06	−11 15.7	1.826	2.795	6.1	16.8
10 18	0 35.81	−11 32.8	1.876	2.809	8.7	17.0
10 28	0 28.90	−11 30.3	1.952	2.823	11.7	17.2
11 7	0 23.94	−11 8.5	2.049	2.836	14.3	17.4

486553 2013 HW_{52} 10 5.6 50.°51 1.°2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.39	+ 8 34.5	2.002	2.814	14.5	21.1
9 8	1 8.47	+ 8 50.0	1.930	2.824	11.4	20.9
9 18	1 1.48	+ 8 54.4	1.880	2.834	7.8	20.7
9 28	0 53.03	+ 8 49.1	1.855	2.845	3.8	20.5
10 8	0 43.97	+ 8 36.9	1.858	2.856	1.3	20.3
10 18	0 35.24	+ 8 21.8	1.890	2.867	4.8	20.6
10 28	0 27.76	+ 8 8.0	1.949	2.878	8.6	20.8
11 7	0 22.19	+ 7 59.7	2.034	2.889	11.9	21.1

258942 2002 RG_{160} 10 5.6 177.°42 2.°9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.44	+13 0.3	1.630	2.437	17.5	20.8
9 8	1 10.72	+13 15.6	1.551	2.438	14.1	20.6
9 18	1 3.35	+13 13.5	1.491	2.438	10.1	20.4
9 28	0 53.98	+12 54.3	1.454	2.439	5.7	20.1
10 8	0 43.67	+12 21.0	1.444	2.439	2.9	19.9
10 18	0 33.65	+11 39.1	1.461	2.439	5.8	20.1
10 28	0 25.17	+10 56.0	1.505	2.438	10.2	20.4
11 7	0 19.09	+10 18.7	1.572	2.438	14.1	20.6

314595 2006 AS_{61} 10 5.6 77.°57 5.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.38	− 7 42.6	2.223	3.075	11.9	20.1
9 8	1 3.59	− 9 0.3	2.167	3.086	9.2	19.9
9 18	0 58.12	−10 19.3	2.135	3.096	6.5	19.8
9 28	0 51.52	−11 32.9	2.131	3.107	5.1	19.7
10 8	0 44.48	−12 34.8	2.154	3.118	5.9	19.8
10 18	0 37.76	−13 19.8	2.205	3.128	8.2	20.0
10 28	0 32.07	−13 45.1	2.281	3.139	10.8	20.2
11 7	0 27.95	−13 50.2	2.380	3.149	13.1	20.3

510167 2011 AX_{42} 10 5.6 313.°93 2.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.89	+ 9 54.1	1.324	2.162	19.2	21.6
9 8	1 9.46	+10 15.8	1.241	2.148	15.4	21.3
9 18	1 2.95	+10 20.9	1.175	2.135	10.8	21.0
9 28	0 53.96	+10 9.7	1.132	2.122	5.6	20.7
10 8	0 43.65	+ 9 45.5	1.113	2.110	2.3	20.4
10 18	0 33.50	+ 9 14.3	1.118	2.098	6.8	20.7
10 28	0 25.03	+ 8 44.1	1.148	2.087	12.1	20.9
11 7	0 19.37	+ 8 22.5	1.199	2.076	16.8	21.2

222861 2002 EZ_{134} 10 5.6 327.°24 0.°7/ 6.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.93	+ 9 42.2	3.982	4.777	8.2	19.8
9 8	0 59.56	+ 9 34.3	3.887	4.771	6.4	19.6
9 18	0 55.22	+ 9 19.6	3.816	4.766	4.4	19.5
9 28	0 50.21	+ 8 59.2	3.773	4.762	2.2	19.3
10 8	0 44.89	+ 8 35.1	3.759	4.757	0.8	19.2
10 18	0 39.65	+ 8 9.4	3.776	4.752	2.7	19.4
10 28	0 34.91	+ 7 44.8	3.822	4.748	4.9	19.5
11 7	0 31.02	+ 7 23.4	3.896	4.743	6.9	19.6

443179 2014 DX_{24} 10 5.6 181.°56 0.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.35	+ 5 44.6	2.086	2.909	13.7	22.4
9 8	1 6.87	+ 5 9.3	2.005	2.909	10.5	22.2
9 18	1 0.44	+ 4 22.6	1.947	2.910	6.9	22.0
9 28	0 52.60	+ 3 28.2	1.915	2.910	3.0	21.7
10 8	0 44.14	+ 2 31.4	1.912	2.909	1.5	21.6
10 18	0 35.94	+ 1 37.9	1.938	2.908	5.4	21.9
10 28	0 28.86	+ 0 53.3	1.991	2.907	9.2	22.1
11 7	0 23.56	+ 0 21.7	2.069	2.905	12.5	22.3

15521 1999 XH_{133} 10 5.6 191.°83 0.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.33	+ 6 33.8	4.801	5.602	6.8	18.9
9 8	0 58.91	+ 6 22.8	4.710	5.601	5.2	18.7
9 18	0 54.70	+ 6 7.1	4.644	5.600	3.5	18.6
9 28	0 49.96	+ 5 48.0	4.607	5.599	1.6	18.5
10 8	0 44.98	+ 5 27.2	4.600	5.598	0.4	18.3
10 18	0 40.08	+ 5 6.4	4.624	5.597	2.4	18.5
10 28	0 35.59	+ 4 47.6	4.678	5.596	4.3	18.7
11 7	0 31.80	+ 4 32.5	4.760	5.595	5.9	18.8

103471 2000 AF_{212} 10 5.6 333.°22 4.°9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.60	+18 25.9	1.943	2.723	16.0	19.9
9 8	1 6.00	+19 1.7	1.849	2.712	13.3	19.7
9 18	1 0.16	+19 20.3	1.775	2.701	10.2	19.5
9 28	0 52.60	+19 20.2	1.724	2.691	7.0	19.3
10 8	0 44.12	+19 2.4	1.699	2.681	5.0	19.1
10 18	0 35.75	+18 29.8	1.701	2.672	6.0	19.2
10 28	0 28.53	+17 48.5	1.729	2.663	9.0	19.3
11 7	0 23.28	+17 5.5	1.781	2.655	12.3	19.5

57442 2001 SF_{54} 10 5.6 106.°68 2.°8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.37	+ 1 24.2	1.640	2.488	15.6	19.1
9 8	1 7.27	+ 0 24.8	1.576	2.496	11.9	18.9
9 18	1 0.85	− 0 45.2	1.535	2.504	7.7	18.7
9 28	0 52.80	− 1 59.1	1.518	2.512	3.8	18.5
10 8	0 44.10	− 3 8.8	1.528	2.519	3.7	18.5
10 18	0 35.83	− 4 6.7	1.566	2.527	7.6	18.7
10 28	0 29.00	− 4 46.8	1.629	2.534	11.6	19.0
11 7	0 24.32	− 5 6.4	1.714	2.541	15.0	19.2

14195 1998 XD_{51} 10 5.6 234.°69 2.°0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.67	+15 9.8	3.558	4.325	9.6	18.5
9 8	1 1.81	+15 7.0	3.456	4.317	7.8	18.3
9 18	0 56.79	+14 54.2	3.378	4.310	5.6	18.2
9 28	0 50.93	+14 32.1	3.326	4.302	3.4	18.0
10 8	0 44.68	+14 2.5	3.304	4.294	2.0	17.9
10 18	0 38.52	+13 27.9	3.312	4.286	3.1	18.0
10 28	0 32.94	+12 51.4	3.349	4.278	5.3	18.1
11 7	0 28.37	+12 16.4	3.415	4.270	7.5	18.3

72781 2001 FG_{166} 10 5.6 112.°46 0.°7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.83	+ 4 53.0	2.550	3.369	11.6	21.0
9 8	1 4.51	+ 4 24.2	2.478	3.381	8.9	20.8
9 18	0 58.66	+ 3 47.1	2.430	3.392	5.8	20.6
9 28	0 51.76	+ 3 4.9	2.409	3.403	2.5	20.4
10 8	0 44.46	+ 2 21.7	2.417	3.414	1.3	20.4
10 18	0 37.41	+ 1 41.5	2.455	3.425	4.5	20.6
10 28	0 31.28	+ 1 8.5	2.521	3.435	7.6	20.8
11 7	0 26.56	+ 0 45.4	2.613	3.445	10.3	21.0

90737 1993 FQ_{15} 10 5.6 207.°27 2.°1/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.13	− 1 54.9	3.410	4.244	8.6	20.1
9 8	1 0.61	− 2 40.5	3.329	4.241	6.5	19.9
9 18	0 55.97	− 3 29.8	3.273	4.238	4.3	19.8
9 28	0 50.57	− 4 19.5	3.246	4.236	2.4	19.7
10 8	0 44.83	− 5 6.0	3.248	4.233	2.6	19.7
10 18	0 39.22	− 5 46.0	3.280	4.230	4.7	19.8
10 28	0 34.22	− 6 16.8	3.341	4.226	6.9	20.0
11 7	0 30.21	− 6 36.6	3.427	4.223	8.9	20.1

320460 2007 VE_{236} 10 5.6 199.°52 0.°9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.43	+ 5 19.9	1.523	2.361	17.1	21.7
9 8	1 10.01	+ 4 53.2	1.447	2.359	13.3	21.4
9 18	1 2.91	+ 4 12.4	1.392	2.358	8.8	21.2
9 28	0 53.82	+ 3 21.7	1.361	2.356	3.8	20.9
10 8	0 43.81	+ 2 27.8	1.356	2.354	1.9	20.7
10 18	0 34.14	+ 1 38.3	1.378	2.351	6.9	21.1
10 28	0 26.05	+ 1 0.3	1.426	2.348	11.6	21.3
11 7	0 20.41	+ 0 38.7	1.496	2.345	15.7	21.6

309588 2008 AR_{114} 10 5.6 63.°38 1.°3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.13	+ 4 11.8	1.933	2.769	14.1	21.3
9 8	1 5.27	+ 3 33.0	1.861	2.773	10.8	21.1
9 18	0 59.43	+ 2 43.4	1.811	2.778	7.0	20.9
9 28	0 52.17	+ 1 47.6	1.788	2.783	3.0	20.7
10 8	0 44.33	+ 0 51.2	1.791	2.787	2.0	20.6
10 18	0 36.80	+ 0 0.5	1.823	2.792	5.9	20.9
10 28	0 30.45	− 0 39.1	1.882	2.797	9.7	21.1
11 7	0 25.92	− 1 4.0	1.964	2.802	13.0	21.4

309657 2008 DO_{66} 10 5.6 207.°38 3.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.08	− 2 20.8	2.087	2.933	12.8	21.2
9 8	1 5.11	− 3 17.7	2.013	2.932	9.8	21.0
9 18	0 59.28	− 4 20.6	1.963	2.930	6.5	20.8
9 28	0 52.11	− 5 23.7	1.939	2.929	3.8	20.6
10 8	0 44.36	− 6 20.7	1.944	2.927	4.2	20.7
10 18	0 36.88	− 7 5.8	1.976	2.926	7.2	20.8
10 28	0 30.48	− 7 34.8	2.035	2.924	10.4	21.0
11 7	0 25.78	− 7 45.7	2.117	2.922	13.3	21.2

319285 2006 BS_{78} 10 5.6 287.°60 1.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.42	+ 3 51.6	2.204	3.037	12.7	21.0
9 8	1 3.82	+ 3 11.8	2.118	3.029	9.7	20.8
9 18	0 58.44	+ 2 21.9	2.054	3.021	6.4	20.6
9 28	0 51.75	+ 1 26.1	2.017	3.012	2.8	20.3
10 8	0 44.46	+ 0 29.4	2.008	3.004	2.0	20.2
10 18	0 37.35	− 0 22.5	2.028	2.996	5.5	20.5
10 28	0 31.20	− 1 4.5	2.075	2.987	9.1	20.7
11 7	0 26.65	− 1 32.9	2.146	2.979	12.2	20.9

160849 2001 CH_{15} 10 5.6 44°.05 6°.6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.03	− 8 29.7	1.597	2.463	15.1	19.3
9 8	1 6.30	−9 51.1	1.544	2.469	11.7	19.1
9 18	1 0.24	−11 13.8	1.512	2.475	8.5	19.0
9 28	0 52.55	−12 28.5	1.505	2.481	6.7	18.9
10 8	0 44.24	−13 26.3	1.524	2.488	7.7	18.9
10 18	0 36.39	−14 1.0	1.568	2.495	10.6	19.1
10 28	0 30.02	−14 9.4	1.635	2.502	13.8	19.3
11 7	0 25.80	−13 52.3	1.723	2.510	16.6	19.6

219269 2000 AH_{201} 10 5.6 298°.28 1°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.23	+ 5 12.6	2.126	2.961	13.0	19.9
9 8	1 2.30	+ 4 4.4	2.028	2.941	10.0	19.6
9 18	0 57.54	+ 2 42.1	1.954	2.921	6.5	19.4
9 28	0 51.40	+ 1 10.5	1.906	2.901	2.8	19.1
10 8	0 44.57	− 0 23.7	1.886	2.881	2.3	19.0
10 18	0 37.84	− 1 52.8	1.895	2.861	6.1	19.2
10 28	0 32.05	− 3 9.5	1.932	2.841	9.8	19.4
11 7	0 27.86	− 4 8.9	1.993	2.821	13.2	19.6

478519 2012 SE_{56} 10 5.6 306°.87 2°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.68	+11 55.8	1.540	2.363	17.6	20.9
9 8	1 7.46	+12 8.7	1.443	2.341	14.3	20.7
9 18	1 1.52	+12 4.2	1.364	2.318	10.2	20.4
9 28	0 53.35	+11 42.3	1.309	2.296	5.6	20.0
10 8	0 43.93	+11 6.0	1.278	2.274	2.6	19.8
10 18	0 34.52	+10 20.8	1.273	2.253	6.2	20.0
10 28	0 26.46	+ 9 34.7	1.294	2.232	11.1	20.2
11 7	0 20.84	+ 8 55.9	1.337	2.211	15.6	20.4

207357 2005 JY_{135} 10 5.6 148°.03 3°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.92	− 1 53.8	1.998	2.842	13.4	20.3
9 8	1 6.57	− 2 42.4	1.928	2.845	10.2	20.2
9 18	1 0.25	− 3 36.9	1.881	2.848	6.8	20.0
9 28	0 52.54	− 4 31.8	1.860	2.851	3.7	19.8
10 8	0 44.25	− 5 20.9	1.868	2.854	4.0	19.8
10 18	0 36.28	− 5 58.6	1.903	2.856	7.1	20.0
10 28	0 29.48	− 6 20.8	1.965	2.858	10.5	20.2
11 7	0 24.50	− 6 25.6	2.049	2.861	13.5	20.4

40291 1999 JX_{71} 10 5.6 66°.49 3°.6/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.16	− 1 16.4	1.509	2.362	16.5	19.1
9 8	1 9.38	− 2 3.6	1.463	2.385	12.5	19.0
9 18	1 2.18	− 2 57.5	1.438	2.407	8.2	18.8
9 28	0 53.35	− 3 51.2	1.437	2.429	4.3	18.6
10 8	0 44.03	− 4 36.9	1.463	2.452	4.4	18.7
10 18	0 35.36	− 5 8.6	1.516	2.474	8.1	18.9
10 28	0 28.37	− 5 22.2	1.593	2.497	11.9	19.2
11 7	0 23.70	− 5 16.7	1.693	2.519	15.2	19.5

65864 1997 OT 10 5.6 44°.40 2°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.08	+14 52.9	2.131	2.920	14.5	19.1
9 8	1 5.92	+15 4.3	2.053	2.928	11.7	18.9
9 18	0 59.84	+15 0.6	1.997	2.936	8.5	18.7
9 28	0 52.37	+14 42.4	1.966	2.945	5.1	18.5
10 8	0 44.31	+14 12.3	1.962	2.953	2.9	18.4
10 18	0 36.51	+13 34.2	1.986	2.962	4.7	18.6
10 28	0 29.83	+12 53.8	2.038	2.971	7.9	18.8
11 7	0 24.90	+12 16.6	2.115	2.981	11.0	19.0

464052 2014 WW_{219} 10 5.6 13°.72 0°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.71	+ 6 35.6	0.871	1.751	23.2	19.9
9 8	1 8.53	+ 6 56.2	0.821	1.754	18.2	19.6
9 18	1 2.59	+ 6 58.0	0.786	1.759	12.3	19.3
9 28	0 53.83	+ 6 43.7	0.769	1.765	5.7	19.0
10 8	0 43.86	+ 6 20.2	0.774	1.773	1.6	18.8
10 18	0 34.60	+ 5 55.9	0.800	1.782	8.1	19.2
10 28	0 27.79	+ 5 40.0	0.846	1.792	14.2	19.6
11 7	0 24.46	+ 5 39.0	0.911	1.804	19.3	20.0

494371 2016 UC_{27} 10 5.6 291°.49 2°.6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.30	− 1 1.1	1.733	2.575	15.2	21.1
9 8	1 10.56	− 1 10.0	1.642	2.557	11.8	20.8
9 18	1 3.28	− 1 24.8	1.572	2.539	7.8	20.6
9 28	0 54.04	− 1 41.1	1.527	2.521	3.8	20.3
10 8	0 43.78	− 1 53.8	1.509	2.502	3.3	20.2
10 18	0 33.64	− 1 58.1	1.519	2.484	7.3	20.4
10 28	0 24.84	− 1 49.6	1.555	2.466	11.6	20.6
11 7	0 18.26	− 1 26.4	1.614	2.448	15.5	20.8

147573 2004 FW_{62} 10 5.6 18°.96 2°.2/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.69	+ 4 10.3	1.074	1.951	19.9	18.3
9 8	1 4.67	+ 3 23.9	1.023	1.957	15.3	18.1
9 18	0 59.63	+ 2 20.3	0.990	1.966	9.9	17.8
9 28	0 52.40	+ 1 7.3	0.979	1.975	4.3	17.5
10 8	0 44.33	− 0 4.2	0.990	1.986	3.3	17.5
10 18	0 36.87	− 1 3.7	1.025	1.998	8.5	17.8
10 28	0 31.34	− 1 42.7	1.082	2.012	13.7	18.2
11 7	0 28.57	− 1 57.4	1.159	2.026	18.0	18.5

186355 2002 FM_{30} 10 5.7 345°.93 4°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.94	− 7 55.5	2.085	2.931	12.8	19.8
9 8	1 8.06	− 8 27.0	2.015	2.930	10.0	19.6
9 18	1 1.21	− 8 58.8	1.968	2.929	7.0	19.4
9 28	0 52.97	− 9 25.5	1.947	2.928	4.8	19.3
10 8	0 44.16	− 9 41.7	1.954	2.928	5.3	19.3
10 18	0 35.67	− 9 43.7	1.988	2.927	7.9	19.5
10 28	0 28.37	− 9 29.3	2.049	2.927	10.9	19.7
11 7	0 22.88	− 8 58.4	2.133	2.927	13.6	19.9

160430 2005 SQ_{30} 10 5.7 32°.25 1°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.52	+ 3 34.7	1.856	2.697	14.3	19.9
9 8	1 4.89	+ 2 56.8	1.787	2.702	11.0	19.7
9 18	0 59.22	+ 2 8.4	1.740	2.707	7.1	19.5
9 28	0 52.12	+ 1 14.1	1.718	2.713	3.1	19.3
10 8	0 44.42	+ 0 20.1	1.723	2.719	2.2	19.2
10 18	0 37.05	− 0 27.5	1.757	2.725	6.1	19.5
10 28	0 30.90	− 1 3.2	1.816	2.732	9.9	19.7
11 7	0 26.60	− 1 23.8	1.899	2.738	13.3	20.0

287545 2003 ED_{30} 10 5.7 292°.94 3°.2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.66	+13 27.4	1.572	2.385	17.8	20.4
9 8	1 8.83	+13 44.2	1.484	2.374	14.4	20.1
9 18	1 2.30	+13 42.9	1.416	2.364	10.4	19.9
9 28	0 53.66	+13 23.2	1.370	2.354	6.0	19.6
10 8	0 43.92	+12 47.9	1.349	2.344	3.2	19.4
10 18	0 34.33	+12 2.6	1.355	2.334	6.1	19.6
10 28	0 26.20	+11 14.9	1.387	2.324	10.6	19.8
11 7	0 20.50	+10 33.0	1.442	2.314	14.8	20.0

259370 2003 HQ_{14} 10 5.7 174°.30 0°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.23	+ 0 15.0	4.974	5.792	6.3	20.9
9 8	0 59.56	+ 0 1.6	4.889	5.793	4.8	20.8
9 18	0 55.13	− 0 14.3	4.830	5.793	3.1	20.6
9 28	0 50.19	− 0 31.1	4.801	5.794	1.4	20.5
10 8	0 45.03	− 0 47.1	4.802	5.795	1.2	20.5
10 18	0 39.96	− 1 0.5	4.834	5.795	2.8	20.6
10 28	0 35.29	− 1 9.7	4.896	5.796	4.5	20.8
11 7	0 31.31	− 1 13.7	4.985	5.796	6.1	20.9

135867 2002 TL_{23} 10 5.7 335°.71 1°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.69	+ 6 3.4	1.608	2.455	15.9	20.0
9 8	1 3.93	+ 5 19.1	1.529	2.447	12.3	19.8
9 18	0 58.86	+ 4 19.3	1.471	2.439	8.1	19.5
9 28	0 52.05	+ 3 8.6	1.437	2.432	3.5	19.3
10 8	0 44.43	+ 1 54.5	1.429	2.426	1.9	19.1
10 18	0 37.07	+ 0 45.2	1.448	2.420	6.6	19.4
10 28	0 31.02	− 0 11.3	1.492	2.415	11.1	19.7
11 7	0 27.06	− 0 49.7	1.558	2.410	15.0	19.9

511097 2013 TG_{140} 10 5.7 117°.66 2°.2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.05	+13 15.0	1.600	2.412	17.6	21.9
9 8	1 8.80	+13 2.5	1.528	2.419	14.0	21.6
9 18	1 2.03	+12 30.2	1.476	2.427	9.9	21.4
9 28	0 53.42	+11 39.9	1.447	2.434	5.3	21.2
10 8	0 44.03	+10 36.9	1.445	2.441	2.2	21.0
10 18	0 35.04	+ 9 28.4	1.469	2.448	5.7	21.2
10 28	0 27.58	+ 8 23.0	1.520	2.454	10.1	21.5
11 7	0 22.45	+ 7 28.4	1.595	2.461	14.0	21.8

330979 2009 TV_{15} 10 5.7 294°.22 4°.0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.30	− 4 29.9	2.225	3.074	12.0	20.5
9 8	1 3.73	− 5 28.1	2.142	3.062	9.2	20.3
9 18	0 58.39	− 6 31.0	2.084	3.050	6.3	20.1
9 28	0 51.76	− 7 32.8	2.052	3.038	4.1	19.9
10 8	0 44.53	− 8 27.4	2.048	3.025	4.8	20.0
10 18	0 37.47	− 9 9.4	2.072	3.013	7.5	20.1
10 28	0 31.37	− 9 34.7	2.121	3.001	10.5	20.3
11 7	0 26.85	− 9 41.6	2.194	2.990	13.2	20.5

387585 2001 UX_{81} 10 5.7 325°.30 1°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.59	+ 3 15.5	1.310	2.172	18.0	20.4
9 8	1 6.82	+ 2 57.9	1.229	2.155	14.0	20.1
9 18	1 1.16	+ 2 26.9	1.168	2.139	9.3	19.8
9 28	0 53.21	+ 1 47.2	1.128	2.124	4.1	19.5
10 8	0 44.07	+ 1 5.8	1.113	2.110	2.6	19.3
10 18	0 35.12	+ 0 30.7	1.122	2.096	7.9	19.6
10 28	0 27.78	+ 0 9.4	1.155	2.083	13.1	19.9
11 7	0 23.09	+ 0 6.6	1.208	2.072	17.7	20.1

157068 2003 ST_{266} 10 5.7 53°.98 0°.9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.19	+ 4 22.8	2.063	2.895	13.5	20.1
9 8	1 5.12	+ 3 55.3	2.000	2.910	10.3	19.9
9 18	0 59.22	+ 3 18.5	1.959	2.925	6.7	19.7
9 28	0 52.08	+ 2 36.1	1.945	2.940	2.9	19.5
10 8	0 44.47	+ 1 53.1	1.958	2.955	1.6	19.4
10 18	0 37.21	+ 1 14.5	2.000	2.971	5.3	19.7
10 28	0 31.09	+ 0 44.9	2.069	2.986	8.8	20.0
11 7	0 26.67	+ 0 27.4	2.163	3.002	11.9	20.2

46969 1998 SP_{137} 10 5.7 306°.28 3°.4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.31	− 0 48.6	1.669	2.524	15.0	19.0
9 8	1 5.98	− 1 33.8	1.582	2.505	11.6	18.7
9 18	1 0.27	− 2 28.2	1.516	2.487	7.7	18.4
9 28	0 52.72	− 3 26.0	1.475	2.468	4.1	18.2
10 8	0 44.23	− 4 19.5	1.460	2.449	4.3	18.1
10 18	0 35.90	− 5 1.6	1.472	2.431	8.1	18.3
10 28	0 28.83	− 5 26.1	1.508	2.414	12.3	18.5
11 7	0 23.89	− 5 30.0	1.566	2.396	16.1	18.7

41714 2000 UO_{72} 10 5.7 224°.38 0°.7/ 5.1 18 R

8 29	1 10.65	+ 7 52.0	1.494	2.333	17.3	19.2
9 8	1 7.17	+ 6 59.4	1.417	2.330	13.5	19.0
9 18	1 1.09	+ 5 47.7	1.361	2.327	8.9	18.7
9 28	0 53.08	+ 4 21.9	1.329	2.324	3.8	18.4
10 8	0 44.17	+ 2 50.6	1.323	2.321	1.7	18.3
10 18	0 35.60	+ 1 23.7	1.344	2.318	6.9	18.6
10 28	0 28.53	+ 0 10.7	1.391	2.314	11.7	18.9
11 7	0 23.84	− 0 42.0	1.460	2.311	15.9	19.1

401248 2012 BC_{56} 10 5.7 189°.79 8°.1/23.6 18

8 29	1 7.21	−18 46.2	2.397	3.245	11.3	20.7
9 8	1 3.56	−20 45.1	2.346	3.244	9.5	20.5
9 18	0 58.21	−22 38.7	2.320	3.244	8.3	20.5
9 28	0 51.67	−24 18.5	2.321	3.243	8.2	20.5
10 8	0 44.62	−25 37.7	2.349	3.242	9.3	20.5
10 18	0 37.80	−26 31.6	2.401	3.241	11.0	20.6
10 28	0 31.96	−26 58.5	2.476	3.240	12.9	20.8
11 7	0 27.66	−26 59.5	2.570	3.239	14.6	20.9

50339 2000 CF_{62} 10 5.7 100°.40 0°.7/ 4.9 18

8 29	1 8.94	+ 7 9.9	1.988	2.814	14.1	19.2
9 8	1 5.05	+ 6 14.0	1.919	2.826	10.8	19.1
9 18	0 59.25	+ 5 4.7	1.874	2.837	7.1	18.8
9 28	0 52.13	+ 3 46.6	1.854	2.849	3.0	18.6
10 8	0 44.50	+ 2 26.4	1.863	2.860	1.5	18.5
10 18	0 37.21	+ 1 10.9	1.900	2.871	5.5	18.8
10 28	0 31.09	+ 0 6.7	1.965	2.882	9.2	19.1
11 7	0 26.73	− 0 41.8	2.055	2.893	12.4	19.3

39212 2000 XC_{38} 10 5.7 63°.98 4°.5/ 1.9 18

8 29	1 15.72	− 8 0.4	2.044	2.884	13.2	17.4
9 8	1 9.99	− 8 23.0	1.993	2.905	10.2	17.3
9 18	1 2.33	− 8 44.8	1.965	2.926	7.1	17.1
9 28	0 53.42	− 9 0.9	1.964	2.946	4.7	17.0
10 8	0 44.13	− 9 6.6	1.991	2.967	5.1	17.1
10 18	0 35.35	− 8 58.9	2.047	2.988	7.6	17.3
10 28	0 27.91	− 8 36.6	2.129	3.008	10.5	17.5
11 7	0 22.36	− 8 0.0	2.234	3.029	13.1	17.7

348780 2006 KD_{57} 10 5.7 86°.51 10°.9/25.9 18

8 29	1 16.59	−23 44.4	1.802	2.639	14.9	20.5
9 8	1 11.20	−24 58.7	1.756	2.642	12.8	20.4
9 18	1 3.40	−26 0.2	1.732	2.645	11.3	20.3
9 28	0 53.96	−26 39.6	1.731	2.647	10.9	20.3
10 8	0 43.96	−26 50.3	1.754	2.650	11.8	20.4
10 18	0 34.54	−26 29.3	1.801	2.653	13.6	20.5
10 28	0 26.72	−25 37.8	1.869	2.655	15.7	20.6
11 7	0 21.20	−24 20.2	1.955	2.658	17.6	20.8

403969 2012 BT_{78} 10 5.7 113°.08 5°.4/11.5 18

8 29	1 13.15	+22 37.0	2.387	3.122	14.6	20.6
9 8	1 8.27	+23 15.2	2.301	3.128	12.3	20.4
9 18	1 1.44	+23 36.6	2.235	3.133	9.8	20.3
9 28	0 53.15	+23 39.5	2.193	3.139	7.2	20.1
10 8	0 44.18	+23 24.4	2.178	3.144	5.6	20.0
10 18	0 35.40	+22 53.8	2.190	3.149	5.9	20.1
10 28	0 27.67	+22 12.7	2.231	3.155	7.9	20.2
11 7	0 21.69	+21 27.2	2.298	3.160	10.4	20.4

469503 2003 DY_{9} 10 5.7 286°.80 0°.9/ 6.1 18

8 29	1 24.09	+ 5 6.1	1.687	2.500	16.8	21.2
9 8	1 18.00	+ 5 46.7	1.571	2.467	13.5	20.9
9 18	1 8.75	+ 6 21.1	1.477	2.433	9.3	20.6
9 28	0 56.75	+ 6 49.5	1.407	2.399	4.4	20.2
10 8	0 43.00	+ 7 13.4	1.366	2.365	1.4	19.9
10 18	0 28.92	+ 7 34.9	1.354	2.329	6.6	20.2
10 28	0 16.11	+ 7 57.6	1.371	2.294	11.9	20.4
11 7	0 5.88	+ 8 25.3	1.411	2.258	16.6	20.6

445234 2009 HZ_{103} 10 5.7 265°.11 2°.6/ 2.8 18

8 29	1 8.53	+ 1 9.1	2.085	2.925	13.0	21.5
9 8	1 4.87	+ 0 8.3	1.993	2.909	10.0	21.3
9 18	0 59.28	− 1 2.7	1.925	2.893	6.6	21.0
9 28	0 52.23	− 2 18.5	1.884	2.877	3.3	20.8
10 8	0 44.47	− 3 32.5	1.870	2.860	3.4	20.8
10 18	0 36.85	− 4 37.8	1.886	2.843	6.8	21.0
10 28	0 30.23	− 5 28.5	1.927	2.826	10.4	21.1
11 7	0 25.32	− 6 1.0	1.993	2.809	13.6	21.3

133448 2003 SL_{222} 10 5.7 304°.95 1°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.91	+ 3 37.6	2.193	3.026	12.7	20.6
9 8	1 4.28	+ 3 10.0	2.102	3.013	9.8	20.3
9 18	0 58.83	+ 2 33.2	2.034	3.000	6.4	20.1
9 28	0 52.01	+ 1 50.5	1.992	2.987	2.8	19.9
10 8	0 44.55	+ 1 6.8	1.978	2.974	1.8	19.8
10 18	0 37.22	+ 0 27.0	1.992	2.961	5.4	20.0
10 28	0 30.86	− 0 4.0	2.034	2.949	9.1	20.2
11 7	0 26.10	− 0 22.7	2.100	2.937	12.3	20.4

222881 2002 GQ_{69} 10 5.7 96°.69 0°.3/ 5.2 18

8 29	1 6.77	+ 7 58.4	2.277	3.097	12.8	20.4
9 8	1 3.20	+ 7 5.0	2.202	3.104	9.8	20.2
9 18	0 57.97	+ 5 59.0	2.149	3.111	6.5	20.0
9 28	0 51.57	+ 4 44.4	2.123	3.117	2.8	19.8
10 8	0 44.71	+ 3 26.6	2.126	3.124	1.1	19.7
10 18	0 38.09	+ 2 11.7	2.158	3.130	4.8	20.0
10 28	0 32.45	+ 1 5.7	2.219	3.137	8.3	20.2
11 7	0 28.33	+ 0 13.0	2.304	3.143	11.3	20.4

429468 2010 XK_{17} 10 5.7 276°.57 5°.3/ 1.4 18

8 29	1 12.32	− 4 8.6	1.471	2.333	16.3	21.2
9 8	1 8.50	− 5 12.0	1.400	2.326	12.6	20.9
9 18	1 2.01	− 6 22.5	1.350	2.319	8.6	20.7
9 28	0 53.51	− 7 31.6	1.324	2.311	5.6	20.5
10 8	0 44.10	− 8 29.9	1.323	2.304	6.3	20.5
10 18	0 35.03	− 9 9.2	1.348	2.297	10.0	20.7
10 28	0 27.52	− 9 24.4	1.397	2.289	14.0	20.9
11 7	0 22.44	− 9 14.3	1.466	2.282	17.7	21.1

443326 2014 FM_{65} 10 5.7 163°.82 2°.7/ 8.6 18

8 29	1 10.02	+16 12.7	2.068	2.853	15.0	21.4
9 8	1 6.01	+15 55.2	1.983	2.856	12.1	21.2
9 18	1 0.00	+15 19.3	1.919	2.858	8.8	21.0
9 28	0 52.54	+14 26.2	1.880	2.860	5.2	20.8
10 8	0 44.42	+13 19.8	1.869	2.862	2.7	20.6
10 18	0 36.56	+12 6.0	1.886	2.863	4.8	20.8
10 28	0 29.84	+10 51.9	1.931	2.865	8.3	21.0
11 7	0 24.93	+ 9 44.5	2.002	2.865	11.6	21.2

438430 2006 WL_{3} 10 5.7 228°.08 26°.9/16.1 18

8 29	1 42.86	−37 29.3	0.828	1.657	28.5	21.8
9 8	1 36.07	−40 50.7	0.793	1.644	27.3	21.7
9 18	1 22.49	−43 39.6	0.770	1.629	27.0	21.6
9 28	1 3.17	−45 25.2	0.761	1.611	27.7	21.6
10 8	0 41.17	−45 45.0	0.765	1.591	29.5	21.6
10 18	0 20.55	−44 33.0	0.780	1.568	32.0	21.7
10 28	0 4.74	−42 0.2	0.806	1.544	34.7	21.8
11 7	23 55.23	−38 27.8	0.838	1.517	37.3	21.9

43172 1999 XV_{172} 10 5.7 310°.10 7°.1/28.1 18

8 29	1 9.66	−14 20.0	2.105	2.958	12.5	18.2
9 8	1 5.65	−15 25.3	2.037	2.949	10.1	18.0
9 18	0 59.71	−16 27.6	1.993	2.940	8.0	17.9
9 28	0 52.39	−17 19.5	1.974	2.931	7.1	17.8
10 8	0 44.48	−17 54.6	1.981	2.922	8.0	17.9
10 18	0 36.82	−18 8.3	2.014	2.914	10.1	18.0
10 28	0 30.29	−17 58.8	2.071	2.906	12.6	18.1
11 7	0 25.50	−17 26.9	2.148	2.898	14.9	18.3

82570 2001 OR_{82} 10 5.7 102°.49 3°.8/ 8.6 18

8 29	1 19.27	+14 47.0	1.683	2.473	17.8	19.1
9 8	1 13.50	+15 20.8	1.615	2.489	14.4	18.9
9 18	1 5.11	+15 37.1	1.566	2.504	10.5	18.7
9 28	0 54.82	+15 35.4	1.542	2.519	6.4	18.5
10 8	0 43.75	+15 17.6	1.544	2.534	3.9	18.4
10 18	0 33.13	+14 48.3	1.574	2.549	5.9	18.6
10 28	0 24.15	+14 14.1	1.631	2.563	9.7	18.8
11 7	0 17.62	+13 42.2	1.713	2.577	13.3	19.1

259963 2004 FX 10 5.7 241°.75 2°.3/ 7.7 18

8 29	1 14.14	+13 16.2	1.886	2.683	15.8	21.4
9 8	1 9.60	+13 12.1	1.786	2.668	12.8	21.1
9 18	1 2.66	+12 50.9	1.706	2.653	9.1	20.9
9 28	0 53.84	+12 13.0	1.651	2.636	5.1	20.6
10 8	0 44.01	+11 21.9	1.624	2.619	2.3	20.4
10 18	0 34.26	+10 22.9	1.624	2.602	5.4	20.6
10 28	0 25.72	+ 9 23.6	1.652	2.583	9.6	20.8
11 7	0 19.27	+ 8 31.1	1.705	2.564	13.6	21.0

136453 2005 EO_{173} 10 5.7 24°.27 0°.2/ 5.9 18

8 29	1 4.34	+10 51.0	0.958	1.830	22.2	18.4
9 8	1 3.16	+ 9 58.1	0.912	1.841	17.3	18.1
9 18	0 58.78	+ 8 36.9	0.882	1.854	11.6	17.9
9 28	0 52.12	+ 6 54.8	0.873	1.868	5.2	17.6
10 8	0 44.60	+ 5 4.7	0.885	1.884	1.4	17.4
10 18	0 37.77	+ 3 21.2	0.920	1.901	7.7	17.9
10 28	0 32.99	+ 1 57.3	0.978	1.919	13.3	18.2
11 7	0 31.08	+ 1 0.5	1.054	1.938	18.0	18.6

30680 3029 T_{-2} 10 5.7 27.°46 0.°4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.40	+ 6 17.9	1.765	2.600	15.2	20.0
9 8	1 5.73	+ 5 50.7	1.693	2.603	11.8	19.8
9 18	0 59.90	+ 5 10.5	1.642	2.607	7.8	19.6
9 28	0 52.51	+ 4 21.3	1.617	2.611	3.4	19.4
10 8	0 44.46	+ 3 28.7	1.618	2.616	1.3	19.2
10 18	0 36.73	+ 2 39.2	1.646	2.620	5.8	19.5
10 28	0 30.28	+ 1 58.9	1.701	2.625	9.9	19.8
11 7	0 25.82	+ 1 32.4	1.780	2.630	13.5	20.0

144314 2004 DF_{16} 10 5.7 161.°60 1.°0/ 4.7 18

8 29	1 13.32	+ 5 29.2	1.937	2.762	14.5	21.0
9 8	1 8.54	+ 4 46.2	1.862	2.768	11.2	20.8
9 18	1 1.66	+ 3 51.0	1.810	2.773	7.3	20.5
9 28	0 53.27	+ 2 47.8	1.783	2.778	3.1	20.3
10 8	0 44.25	+ 1 43.0	1.785	2.782	1.8	20.2
10 18	0 35.56	+ 0 42.9	1.816	2.786	5.9	20.5
10 28	0 28.12	− 0 6.3	1.875	2.788	9.8	20.7
11 7	0 22.62	− 0 40.4	1.957	2.791	13.2	21.0

273470 2006 XF_{69} 10 5.7 322.°82 2.°8/ 3.6 18

8 29	1 7.53	+ 2 15.2	1.226	2.097	18.3	20.4
9 8	1 5.45	+ 1 34.7	1.146	2.077	14.3	20.1
9 18	1 0.41	+ 0 38.8	1.084	2.058	9.4	19.8
9 28	0 52.98	− 0 26.4	1.044	2.040	4.4	19.4
10 8	0 44.29	− 1 31.2	1.027	2.022	3.9	19.3
10 18	0 35.77	− 2 25.5	1.035	2.005	9.0	19.6
10 28	0 28.90	− 3 0.3	1.065	1.989	14.4	19.8
11 7	0 24.75	− 3 10.4	1.114	1.975	19.1	20.1

122011 2000 GL_{28} 10 5.7 48.°53 0.°8/ 6.2 18

8 29	1 13.50	+ 8 38.4	1.291	2.133	19.3	19.2
9 8	1 9.44	+ 8 29.8	1.240	2.152	15.1	19.0
9 18	1 2.55	+ 8 3.7	1.208	2.171	10.1	18.7
9 28	0 53.69	+ 7 23.6	1.198	2.191	4.7	18.5
10 8	0 44.15	+ 6 36.1	1.213	2.211	1.2	18.3
10 18	0 35.27	+ 5 49.0	1.253	2.232	6.4	18.7
10 28	0 28.27	+ 5 10.2	1.319	2.253	11.3	19.1
11 7	0 23.92	+ 4 45.3	1.406	2.274	15.4	19.4

331369 2012 DJ_{48} 10 5.7 250.°57 2.°4/ 2.7 18

8 29	1 6.68	+ 1 18.5	2.345	3.183	11.8	21.3
9 8	1 3.17	+ 0 13.2	2.261	3.176	9.0	21.1
9 18	0 58.01	− 1 1.1	2.200	3.168	5.9	20.9
9 28	0 51.65	− 2 19.2	2.167	3.160	3.0	20.7
10 8	0 44.74	− 3 35.1	2.163	3.152	3.1	20.7
10 18	0 38.00	− 4 42.8	2.188	3.144	6.1	20.9
10 28	0 32.16	− 5 37.0	2.240	3.136	9.3	21.1
11 7	0 27.80	− 6 14.7	2.317	3.128	12.1	21.2

396413 2014 ED_{23} 10 5.7 268.°13 0.°2/ 6.1 18

8 29	1 2.19	+ 7 40.3	4.303	5.104	7.5	21.7
9 8	0 58.97	+ 7 22.7	4.212	5.103	5.8	21.5
9 18	0 54.87	+ 6 59.3	4.146	5.102	3.9	21.4
9 28	0 50.18	+ 6 31.5	4.108	5.100	1.8	21.2
10 8	0 45.22	+ 6 1.3	4.101	5.099	0.5	21.1
10 18	0 40.35	+ 5 31.0	4.123	5.098	2.6	21.3
10 28	0 35.93	+ 5 2.9	4.176	5.096	4.6	21.4
11 7	0 32.29	+ 4 39.1	4.256	5.095	6.5	21.6

142982 2002 VD_{87} 10 5.7 14.°28 1.°8/ 7.1 18

8 29	1 11.30	+10 37.0	1.703	2.523	16.4	19.6
9 8	1 7.39	+10 43.3	1.627	2.525	13.0	19.4
9 18	1 1.12	+10 34.3	1.572	2.527	9.0	19.2
9 28	0 53.11	+10 11.6	1.540	2.529	4.7	19.0
10 8	0 44.32	+ 9 39.0	1.535	2.532	1.8	18.8
10 18	0 35.83	+ 9 1.9	1.557	2.535	5.4	19.0
10 28	0 28.70	+ 8 26.6	1.605	2.539	9.6	19.3
11 7	0 23.73	+ 7 59.1	1.676	2.543	13.4	19.5

111783 2002 CJ_{181} 10 5.7 106.°33 0.°8/ 4.9 18

8 29	1 9.78	+ 4 43.6	2.144	2.971	13.2	20.4
9 8	1 5.66	+ 4 17.9	2.066	2.973	10.2	20.2
9 18	0 59.69	+ 3 42.5	2.010	2.974	6.7	20.0
9 28	0 52.41	+ 3 0.8	1.981	2.976	2.9	19.7
10 8	0 44.54	+ 2 17.5	1.980	2.977	1.5	19.6
10 18	0 36.92	+ 1 37.6	2.008	2.979	5.2	19.9
10 28	0 30.37	+ 1 5.8	2.063	2.980	8.8	20.1
11 7	0 25.49	+ 0 45.8	2.142	2.981	12.0	20.4

220622 2004 PH_{91} 10 5.7 354.°18 9.°2/29.9 18

8 29	1 20.65	−20 8.6	1.714	2.552	15.5	18.5
9 8	1 14.47	−20 28.0	1.651	2.547	12.9	18.3
9 18	1 5.67	−20 35.7	1.610	2.543	10.5	18.1
9 28	0 55.05	−20 23.9	1.593	2.540	9.3	18.1
10 8	0 43.78	−19 47.1	1.601	2.538	9.9	18.1
10 18	0 33.09	−18 43.6	1.635	2.537	12.0	18.2
10 28	0 24.14	−17 15.3	1.693	2.536	14.6	18.4
11 7	0 17.67	−15 27.0	1.773	2.536	17.2	18.6

405868 2006 DO_{111} 10 5.7 357.°80 2.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.94	+13 20.7	1.991	2.790	15.0	20.7
9 8	1 6.85	+13 42.4	1.907	2.789	12.1	20.5
9 18	1 0.66	+13 49.8	1.844	2.788	8.7	20.3
9 28	0 52.90	+13 43.2	1.806	2.787	5.2	20.0
10 8	0 44.40	+13 24.7	1.794	2.787	2.9	19.9
10 18	0 36.10	+12 58.1	1.810	2.787	5.0	20.0
10 28	0 28.96	+12 28.8	1.853	2.787	8.5	20.3
11 7	0 23.70	+12 2.4	1.921	2.788	11.9	20.5

69949 1998 VN_{4} 10 5.7 287.°41 3.°0/ 2.6 18

8 29	1 10.60	− 3 12.3	2.283	3.123	12.1	19.0
9 8	1 6.21	− 3 40.7	2.202	3.117	9.3	18.8
9 18	1 0.03	− 4 12.8	2.144	3.110	6.2	18.6
9 28	0 52.56	− 4 44.4	2.113	3.103	3.5	18.4
10 8	0 44.51	− 5 10.6	2.111	3.097	3.6	18.4
10 18	0 36.67	− 5 27.6	2.136	3.090	6.4	18.6
10 28	0 29.83	− 5 31.9	2.189	3.083	9.6	18.8
11 7	0 24.59	− 5 22.1	2.266	3.077	12.4	19.0

225148 2008 GC_{23} 10 5.7 22.°22 5.°4/ 3.1 18

8 29	1 15.52	− 5 53.3	0.982	1.866	20.8	18.9
9 8	1 11.65	− 5 58.6	0.941	1.877	16.1	18.7
9 18	1 4.29	− 6 5.1	0.917	1.890	10.9	18.5
9 28	0 54.52	− 6 5.0	0.913	1.905	6.3	18.3
10 8	0 43.97	− 5 51.1	0.932	1.921	6.2	18.3
10 18	0 34.35	− 5 19.4	0.974	1.938	10.5	18.6
10 28	0 27.13	− 4 28.8	1.037	1.957	15.1	19.0
11 7	0 23.13	− 3 21.0	1.120	1.977	19.2	19.3

190609 2000 VH_{24} 10 5.7 338.°98 3.°5/ 3.4 18

8 29	1 9.53	− 0 57.3	1.253	2.125	18.0	18.9
9 8	1 6.86	− 1 18.7	1.179	2.111	13.9	18.6
9 18	1 1.24	− 1 48.9	1.124	2.098	9.3	18.3
9 28	0 53.32	− 2 21.6	1.091	2.086	4.7	18.0
10 8	0 44.26	− 2 49.1	1.082	2.075	4.4	17.9
10 18	0 35.49	− 3 3.8	1.097	2.065	9.0	18.2
10 28	0 28.42	− 3 0.2	1.135	2.057	13.9	18.4
11 7	0 24.05	− 2 35.9	1.193	2.050	18.3	18.7

352243 2007 TW_{142} 10 5.7 355.°19 4.°5/ 8.9 18

8 29	1 7.05	+14 48.3	1.267	2.100	20.1	19.8
9 8	1 4.99	+15 23.3	1.194	2.094	16.5	19.6
9 18	1 0.02	+15 36.6	1.138	2.088	12.1	19.3
9 28	0 52.79	+15 27.1	1.102	2.084	7.6	19.1
10 8	0 44.43	+14 57.3	1.090	2.082	4.5	18.9
10 18	0 36.34	+14 13.4	1.101	2.081	6.8	19.0
10 28	0 29.94	+13 24.5	1.135	2.081	11.3	19.3
11 7	0 26.23	+12 40.3	1.191	2.084	15.7	19.5

432722 2011 CX_{91} 10 5.7 212.°33 4.°2/ 9.2 18

8 29	1 13.55	+17 16.7	1.704	2.493	17.6	21.6
9 8	1 9.32	+17 28.4	1.619	2.490	14.5	21.3
9 18	1 2.54	+17 19.4	1.552	2.487	10.8	21.1
9 28	0 53.81	+16 49.2	1.509	2.484	6.8	20.9
10 8	0 44.13	+16 0.3	1.491	2.480	4.2	20.7
10 18	0 34.66	+14 58.3	1.501	2.477	6.0	20.8
10 28	0 26.62	+13 51.6	1.537	2.473	9.8	21.0
11 7	0 20.89	+12 48.9	1.597	2.468	13.6	21.3

378064 2006 TU_{99} 10 5.7 268.°82 2.°3/ 7.6 18

8 29	1 13.22	+13 7.8	1.746	2.551	16.6	22.1
9 8	1 9.22	+13 0.8	1.640	2.527	13.5	21.9
9 18	1 2.63	+12 35.0	1.553	2.502	9.6	21.6
9 28	0 53.95	+11 50.8	1.490	2.476	5.3	21.3
10 8	0 44.06	+10 51.5	1.453	2.450	2.3	21.0
10 18	0 34.12	+ 9 43.4	1.445	2.423	5.8	21.2
10 28	0 25.41	+ 8 35.0	1.463	2.395	10.5	21.4
11 7	0 18.92	+ 7 34.8	1.505	2.368	14.8	21.6

14725 2000 DC_{3} 10 5.7 327.°29 3.°9/ 1.8 18

8 29	1 10.72	− 5 49.5	2.236	3.081	12.1	17.8
9 8	1 6.31	− 6 21.4	2.162	3.077	9.3	17.6
9 18	1 0.08	− 6 55.1	2.110	3.074	6.4	17.5
9 28	0 52.58	− 7 26.0	2.085	3.071	4.1	17.3
10 8	0 44.53	− 7 49.0	2.089	3.068	4.5	17.3
10 18	0 36.73	− 8 0.2	2.120	3.065	7.1	17.5
10 28	0 29.96	− 7 56.9	2.178	3.062	10.0	17.7
11 7	0 24.84	− 7 38.2	2.259	3.060	12.8	17.9

88114 2000 WW_{107} 10 5.7 127.°85 4.°0/10.2 18 R

8 29	1 9.62	+19 24.8	2.246	3.010	14.6	19.7
9 8	1 5.63	+19 30.5	2.158	3.012	12.1	19.5
9 18	0 59.74	+19 18.5	2.092	3.014	9.1	19.3
9 28	0 52.47	+18 48.7	2.049	3.015	6.1	19.1
10 8	0 44.55	+18 3.2	2.034	3.017	4.1	19.0
10 18	0 36.84	+17 6.4	2.046	3.019	5.0	19.1
10 28	0 30.18	+16 4.3	2.087	3.020	7.8	19.3
11 7	0 25.22	+15 3.6	2.153	3.022	10.7	19.4

515571 2014 HG_{100} 10 5.7 34°.67 3°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.60	− 1 45.2	1.810	2.658	14.4	21.6
9 8	1 7.36	− 2 22.3	1.741	2.660	11.0	21.4
9 18	1 0.95	− 3 5.5	1.694	2.662	7.3	21.2
9 28	0 53.00	− 3 49.3	1.672	2.664	3.9	21.0
10 8	0 44.40	− 4 27.3	1.678	2.667	4.0	21.0
10 18	0 36.15	− 4 54.2	1.711	2.669	7.4	21.2
10 28	0 29.19	− 5 5.7	1.770	2.672	11.0	21.5
11 7	0 24.23	− 5 0.1	1.852	2.674	14.3	21.7

471947 2013 RE_{53} 10 5.7 331°.59 1°.6/ 4.7 18

8 29	1 14.71	+ 1 58.4	1.302	2.158	18.4	20.5
9 8	1 10.79	+ 1 59.4	1.228	2.150	14.3	20.2
9 18	1 3.80	+ 1 50.5	1.173	2.143	9.5	19.9
9 28	0 54.45	+ 1 35.8	1.140	2.136	4.2	19.6
10 8	0 43.95	+ 1 21.2	1.132	2.129	2.5	19.5
10 18	0 33.77	+ 1 12.6	1.150	2.124	7.7	19.8
10 28	0 25.38	+ 1 15.6	1.191	2.118	12.9	20.1
11 7	0 19.78	+ 1 33.6	1.254	2.114	17.4	20.3

264522 2001 RP_{14} 10 5.7 87°.99 0°.2/ 5.5 17

8 29	1 12.85	+ 7 54.7	1.584	2.415	16.9	20.8
9 8	1 8.49	+ 7 14.4	1.525	2.432	13.0	20.6
9 18	1 1.74	+ 6 18.1	1.486	2.449	8.6	20.4
9 28	0 53.34	+ 5 10.8	1.472	2.466	3.7	20.2
10 8	0 44.33	+ 3 59.5	1.485	2.483	1.3	20.0
10 18	0 35.83	+ 2 52.4	1.525	2.500	6.1	20.4
10 28	0 28.89	+ 1 56.8	1.592	2.516	10.5	20.7
11 7	0 24.19	+ 1 17.6	1.682	2.532	14.2	20.9

303164 2004 EK_{76} 10 5.7 257°.40 1°.7/ 3.9 18

8 29	1 9.49	+ 3 5.9	2.077	2.911	13.3	21.4
9 8	1 5.62	+ 2 22.1	1.988	2.900	10.2	21.2
9 18	0 59.80	+ 1 27.9	1.922	2.888	6.7	20.9
9 28	0 52.53	+ 0 27.6	1.882	2.876	3.0	20.7
10 8	0 44.55	− 0 32.9	1.870	2.864	2.4	20.6
10 18	0 36.74	− 1 27.5	1.886	2.852	6.1	20.8
10 28	0 29.97	− 2 10.7	1.930	2.839	9.8	21.0
11 7	0 24.92	− 2 38.4	1.998	2.827	13.1	21.2

39285 2001 BP_{75} 10 5.7 284°.44 1°.1/ 7.8 18

8 29	1 2.73	+12 6.1	4.335	5.115	7.8	19.8
9 8	0 59.42	+11 58.7	4.236	5.109	6.2	19.7
9 18	0 55.20	+11 44.3	4.161	5.103	4.3	19.5
9 28	0 50.36	+11 23.6	4.114	5.097	2.4	19.4
10 8	0 45.23	+10 58.4	4.096	5.091	1.1	19.3
10 18	0 40.17	+10 30.6	4.109	5.085	2.5	19.4
10 28	0 35.56	+10 2.6	4.151	5.079	4.4	19.5
11 7	0 31.73	+ 9 36.9	4.222	5.073	6.3	19.6

284564 2007 TV_{45} 10 5.7 10°.08 5°.8/ 1.7 18

8 29	1 14.79	− 8 18.3	1.534	2.393	15.9	19.5
9 8	1 10.17	− 8 47.4	1.473	2.394	12.4	19.3
9 18	1 2.98	− 9 16.3	1.432	2.396	8.8	19.1
9 28	0 53.94	− 9 37.7	1.415	2.399	6.0	18.9
10 8	0 44.18	− 9 45.2	1.425	2.401	6.5	19.0
10 18	0 34.89	− 9 34.1	1.459	2.405	9.6	19.2
10 28	0 27.24	− 9 2.7	1.519	2.409	13.3	19.4
11 7	0 21.98	− 8 12.0	1.599	2.413	16.5	19.6

327683 2006 RM_{47} 10 5.7 160°.97 0°.6/ 5.3 18

8 29	1 16.99	+ 4 39.5	1.592	2.424	16.8	20.6
9 8	1 11.91	+ 4 32.9	1.518	2.427	13.0	20.4
9 18	1 4.19	+ 4 14.8	1.465	2.429	8.6	20.1
9 28	0 54.53	+ 3 48.6	1.436	2.431	3.8	19.9
10 8	0 44.00	+ 3 19.5	1.435	2.433	1.5	19.7
10 18	0 33.84	+ 2 53.3	1.460	2.434	6.4	20.0
10 28	0 25.26	+ 2 35.7	1.513	2.435	11.0	20.3
11 7	0 19.10	+ 2 30.6	1.588	2.436	15.0	20.6

273488 2007 AA_{1} 10 5.7 256°.98 0°.4/ 6.0 18

8 29	1 12.27	+ 8 36.1	1.685	2.510	16.3	21.9
9 8	1 8.33	+ 8 14.9	1.595	2.499	12.8	21.7
9 18	1 1.90	+ 7 37.7	1.526	2.487	8.7	21.4
9 28	0 53.57	+ 6 47.1	1.482	2.475	4.0	21.1
10 8	0 44.26	+ 5 48.5	1.464	2.462	1.1	20.8
10 18	0 35.12	+ 4 49.0	1.473	2.450	6.0	21.2
10 28	0 27.31	+ 3 56.4	1.509	2.437	10.6	21.4
11 7	0 21.71	+ 3 17.0	1.568	2.424	14.7	21.6

161215 Loveday 10 5.7 17°.02 1°.8/ 4.0 18

8 29	1 9.13	+ 3 29.3	1.755	2.598	14.9	20.5
9 8	1 5.57	+ 2 44.8	1.683	2.599	11.5	20.3
9 18	0 59.85	+ 1 48.7	1.632	2.601	7.5	20.1
9 28	0 52.56	+ 0 46.1	1.607	2.602	3.3	19.8
10 8	0 44.60	− 0 16.1	1.609	2.604	2.5	19.8
10 18	0 36.95	− 1 10.9	1.638	2.606	6.6	20.0
10 28	0 30.57	− 1 52.2	1.693	2.608	10.6	20.3
11 7	0 26.17	− 2 16.3	1.771	2.610	14.1	20.5

94249 2001 CN_{24} 10 5.7 215°.84 2°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.81	+14 46.3	2.509	3.291	12.8	20.2
9 8	1 4.80	+14 35.5	2.415	3.287	10.3	20.1
9 18	0 59.11	+14 10.5	2.343	3.283	7.4	19.9
9 28	0 52.20	+13 32.4	2.298	3.278	4.3	19.7
10 8	0 44.71	+12 44.1	2.280	3.274	2.2	19.5
10 18	0 37.38	+11 49.6	2.292	3.269	4.1	19.6
10 28	0 30.94	+10 54.3	2.332	3.264	7.2	19.8
11 7	0 25.98	+10 3.5	2.399	3.258	10.1	20.0

289961 2005 NX_{78} 10 5.7 66°.06 1°.4/ 4.3 17

8 29	1 9.61	+ 3 41.9	1.922	2.759	14.1	21.3
9 8	1 5.70	+ 3 2.8	1.854	2.766	10.8	21.1
9 18	0 59.80	+ 2 13.4	1.807	2.774	7.0	20.9
9 28	0 52.50	+ 1 18.2	1.786	2.781	3.1	20.7
10 8	0 44.64	+ 0 23.3	1.793	2.788	2.2	20.6
10 18	0 37.10	− 0 25.3	1.827	2.796	6.0	20.9
10 28	0 30.75	− 1 2.5	1.889	2.803	9.7	21.2
11 7	0 26.23	− 1 24.8	1.974	2.811	12.9	21.4

506381 2017 RH 10 5.7 146°.05 10°.0/15.7 17

8 29	1 12.72	+32 36.7	1.375	2.103	23.8	21.4
9 8	1 9.55	+32 50.3	1.298	2.107	20.9	21.2
9 18	1 3.13	+32 25.2	1.235	2.111	17.5	21.0
9 28	0 54.20	+31 15.7	1.189	2.115	13.9	20.8
10 8	0 44.13	+29 22.1	1.164	2.118	10.9	20.6
10 18	0 34.52	+26 52.1	1.164	2.121	10.1	20.6
10 28	0 26.93	+24 1.3	1.188	2.124	12.1	20.7
11 7	0 22.35	+21 8.6	1.237	2.126	15.5	21.0

152490 2005 WX_{89} 10 5.7 312°.61 4°.7/30.8 18

8 29	1 10.11	− 7 6.4	2.106	2.956	12.6	20.1
9 8	1 5.95	− 7 58.6	2.036	2.954	9.7	19.9
9 18	0 59.92	− 8 52.6	1.990	2.953	6.8	19.8
9 28	0 52.56	− 9 42.5	1.971	2.951	4.9	19.6
10 8	0 44.64	−10 22.0	1.978	2.950	5.5	19.7
10 18	0 37.00	−10 46.6	2.013	2.949	8.1	19.8
10 28	0 30.46	−10 53.1	2.074	2.948	11.0	20.0
11 7	0 25.63	−10 40.9	2.157	2.947	13.7	20.2

396835 2004 RO_{161} 10 5.7 12°.31 4°.3/ 9.4 17

8 29	1 12.09	+16 36.5	1.892	2.679	16.2	20.8
9 8	1 7.92	+17 11.1	1.811	2.680	13.3	20.6
9 18	1 1.48	+17 29.1	1.750	2.682	9.9	20.4
9 28	0 53.34	+17 29.6	1.713	2.685	6.5	20.2
10 8	0 44.41	+17 14.0	1.702	2.688	4.3	20.1
10 18	0 35.70	+16 45.8	1.718	2.692	5.6	20.2
10 28	0 28.25	+16 11.1	1.761	2.695	8.9	20.4
11 7	0 22.84	+15 36.3	1.828	2.700	12.2	20.6

435659 2008 SN_{274} 10 5.7 348°.24 0°.1/ 5.4 18

8 29	1 1.24	+ 6 36.4	4.177	4.985	7.6	21.4
9 8	0 58.30	+ 6 4.8	4.088	4.984	5.8	21.3
9 18	0 54.49	+ 5 27.2	4.025	4.984	3.8	21.2
9 28	0 50.08	+ 4 45.4	3.989	4.983	1.7	21.0
10 8	0 45.41	+ 4 2.0	3.984	4.982	0.6	20.9
10 18	0 40.83	+ 3 19.4	4.009	4.981	2.8	21.1
10 28	0 36.72	+ 2 40.4	4.064	4.981	4.9	21.2
11 7	0 33.38	+ 2 7.2	4.147	4.980	6.8	21.4

71897 2000 WQ_{14} 10 5.7 113°.31 2°.0/ 4.2 18

8 29	1 17.95	+ 2 1.4	1.570	2.407	16.7	19.1
9 8	1 12.47	+ 1 35.0	1.509	2.422	12.8	18.9
9 18	1 4.42	+ 0 59.0	1.470	2.437	8.4	18.7
9 28	0 54.59	+ 0 18.4	1.456	2.451	3.7	18.4
10 8	0 44.09	− 0 20.3	1.470	2.465	2.7	18.4
10 18	0 34.15	− 0 50.9	1.510	2.478	7.0	18.7
10 28	0 25.89	− 1 8.3	1.577	2.491	11.3	19.0
11 7	0 20.05	− 1 9.9	1.667	2.503	15.0	19.2

485686 2011 WK_{145} 10 5.7 301°.74 5°.0/10.2 17

8 29	1 9.18	+19 49.0	1.887	2.663	16.6	21.6
9 8	1 6.02	+20 4.2	1.775	2.635	13.9	21.3
9 18	1 0.49	+19 58.9	1.683	2.607	10.8	21.1
9 28	0 53.04	+19 31.4	1.613	2.579	7.4	20.8
10 8	0 44.48	+18 42.5	1.568	2.551	5.1	20.6
10 18	0 35.86	+17 36.5	1.550	2.524	6.2	20.6
10 28	0 28.33	+16 20.7	1.559	2.496	9.6	20.8
11 7	0 22.83	+15 4.5	1.592	2.469	13.4	20.9

259361 2003 GJ_{57} 10 5.7 216°.19 2°.5/30.4 18

8 29	1 1.96	− 8 3.6	4.646	5.483	6.4	20.1
9 8	0 58.74	− 8 37.4	4.571	5.481	4.9	20.0
9 18	0 54.73	− 9 11.3	4.521	5.480	3.5	19.9
9 28	0 50.18	− 9 42.9	4.501	5.478	2.6	19.8
10 8	0 45.40	−10 9.8	4.510	5.476	2.9	19.9
10 18	0 40.71	−10 30.1	4.548	5.475	4.2	20.0
10 28	0 36.45	−10 42.2	4.615	5.473	5.7	20.1
11 7	0 32.90	−10 45.3	4.707	5.471	7.1	20.2

208014 1998 SH_{154} 10 5.7 324.°79 2.°0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.65	+ 5 35.8	1.655	2.503	15.5	20.0
9 8	1 3.12	+ 4 13.2	1.576	2.495	11.9	19.8
9 18	0 58.38	+ 2 33.0	1.518	2.488	7.7	19.5
9 28	0 51.99	+ 0 41.9	1.485	2.481	3.4	19.3
10 8	0 44.84	− 1 10.5	1.480	2.474	3.0	19.2
10 18	0 37.93	− 2 54.0	1.502	2.468	7.3	19.5
10 28	0 32.27	− 4 19.3	1.550	2.462	11.6	19.7
11 7	0 28.61	− 5 21.0	1.620	2.456	15.3	19.9

363516 2003 UG_{124} 10 5.7 26.°81 2.°8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.99	− 0 40.9	1.822	2.673	14.2	20.1
9 8	1 5.28	− 1 15.0	1.762	2.682	10.8	20.0
9 18	0 59.55	− 1 55.5	1.724	2.693	7.1	19.8
9 28	0 52.41	− 2 37.3	1.711	2.704	3.6	19.6
10 8	0 44.74	− 3 14.2	1.725	2.715	3.5	19.6
10 18	0 37.45	− 3 41.3	1.766	2.727	6.8	19.8
10 28	0 31.41	− 3 54.4	1.833	2.740	10.4	20.1
11 7	0 27.25	− 3 51.8	1.923	2.753	13.5	20.3

330755 2008 SA_{171} 10 5.7 309.°96 0.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.00	+10 42.0	2.405	3.213	12.5	21.1
9 8	1 2.66	+10 1.5	2.318	3.211	9.8	20.9
9 18	0 57.71	+ 9 7.3	2.254	3.209	6.7	20.7
9 28	0 51.60	+ 8 2.2	2.216	3.207	3.2	20.5
10 8	0 44.97	+ 6 50.9	2.207	3.205	0.8	20.3
10 18	0 38.53	+ 5 38.7	2.227	3.203	4.3	20.5
10 28	0 32.98	+ 4 31.7	2.275	3.201	7.6	20.8
11 7	0 28.87	+ 3 34.7	2.350	3.200	10.7	21.0

411895 2012 FH_{40} 10 5.7 228.°27 2.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.60	− 0 36.9	2.498	3.327	11.5	21.1
9 8	1 6.86	− 0 57.1	2.413	3.321	8.8	20.9
9 18	1 0.43	− 1 22.2	2.351	3.315	5.8	20.7
9 28	0 52.80	− 1 48.6	2.317	3.309	2.8	20.5
10 8	0 44.62	− 2 12.5	2.311	3.303	2.6	20.5
10 18	0 36.62	− 2 30.1	2.336	3.296	5.5	20.7
10 28	0 29.54	− 2 38.3	2.388	3.290	8.5	20.9
11 7	0 23.95	− 2 35.1	2.466	3.283	11.3	21.0

451644 2012 JJ_{16} 10 5.7 262.°52 11.°0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.61	−34 8.0	2.574	3.367	12.2	20.9
9 8	1 8.60	−35 30.9	2.527	3.354	11.3	20.8
9 18	1 1.65	−36 39.0	2.502	3.341	11.0	20.8
9 28	0 53.34	−37 24.9	2.500	3.329	11.2	20.8
10 8	0 44.48	−37 43.7	2.520	3.316	12.0	20.8
10 18	0 35.96	−37 33.1	2.561	3.303	13.1	20.9
10 28	0 28.61	−36 53.8	2.622	3.289	14.4	21.0
11 7	0 23.07	−35 48.9	2.698	3.276	15.6	21.1

168251 2006 KY_{121} 10 5.7 59.°63 1.°0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.43	+ 4 7.0	1.637	2.475	16.1	19.8
9 8	1 8.90	+ 3 49.2	1.578	2.491	12.4	19.6
9 18	1 2.03	+ 3 20.6	1.540	2.506	8.1	19.4
9 28	0 53.53	+ 2 45.5	1.527	2.522	3.5	19.2
10 8	0 44.44	+ 2 9.4	1.541	2.538	1.8	19.1
10 18	0 35.84	+ 1 38.1	1.582	2.554	6.2	19.4
10 28	0 28.73	+ 1 17.0	1.649	2.570	10.3	19.7
11 7	0 23.83	+ 1 9.3	1.739	2.586	13.9	20.0

301260 2009 BH_{71} 10 5.7 215.°10 2.°4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.02	+13 9.4	2.347	3.128	13.6	20.9
9 8	1 9.77	+13 24.0	2.250	3.121	10.9	20.7
9 18	1 2.54	+13 26.0	2.174	3.114	7.9	20.5
9 28	0 53.81	+13 15.7	2.125	3.106	4.6	20.3
10 8	0 44.34	+12 55.0	2.104	3.098	2.4	20.1
10 18	0 34.97	+12 27.1	2.113	3.089	4.6	20.3
10 28	0 26.61	+11 56.9	2.151	3.079	7.9	20.5
11 7	0 19.97	+11 29.1	2.216	3.069	11.1	20.7

8100 Nobeyama 10 5.7 346.°83 2.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.07	+ 2 24.2	1.697	2.546	15.2	17.1
9 8	1 5.66	+ 1 44.4	1.623	2.542	11.6	16.9
9 18	1 0.01	+ 0 53.7	1.570	2.540	7.6	16.6
9 28	0 52.71	− 0 2.6	1.542	2.537	3.5	16.4
10 8	0 44.67	− 0 57.6	1.541	2.535	2.9	16.4
10 18	0 36.92	− 1 44.7	1.566	2.533	6.9	16.6
10 28	0 30.47	− 2 17.7	1.617	2.532	11.0	16.8
11 7	0 26.05	− 2 33.2	1.690	2.531	14.6	17.1

86710 2000 GU_5 10 5.7 145.°72 0.°3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.42	+ 9 2.6	1.932	2.744	15.0	20.6
9 8	1 8.68	+ 8 30.7	1.857	2.754	11.7	20.4
9 18	1 1.81	+ 7 44.3	1.805	2.763	7.8	20.1
9 28	0 53.45	+ 6 46.7	1.778	2.771	3.6	19.9
10 8	0 44.47	+ 5 43.4	1.780	2.778	0.9	19.7
10 18	0 35.82	+ 4 40.8	1.810	2.786	5.2	20.0
10 28	0 28.45	+ 3 45.4	1.869	2.792	9.2	20.3
11 7	0 23.03	+ 3 2.4	1.952	2.798	12.7	20.5

214693 2006 SX_{282} 10 5.7 340.°91 2.°0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.26	+ 2 21.9	1.658	2.507	15.4	20.5
9 8	1 5.89	+ 1 49.4	1.582	2.502	11.9	20.3
9 18	1 0.22	+ 1 6.3	1.527	2.496	7.8	20.1
9 28	0 52.82	+ 0 17.4	1.497	2.492	3.5	19.8
10 8	0 44.65	− 0 30.6	1.492	2.487	2.8	19.7
10 18	0 36.74	− 1 11.1	1.515	2.483	6.9	20.0
10 28	0 30.15	− 1 38.2	1.563	2.480	11.1	20.2
11 7	0 25.65	− 1 48.5	1.633	2.477	14.8	20.5

518334 2017 BK_{124} 10 5.7 241.°76 3.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.08	− 4 14.0	2.409	3.249	11.5	21.3
9 8	1 5.73	− 4 50.0	2.332	3.246	8.8	21.1
9 18	0 59.71	− 5 29.1	2.279	3.243	6.0	20.9
9 28	0 52.50	− 6 6.8	2.252	3.240	3.6	20.8
10 8	0 44.77	− 6 38.3	2.254	3.236	3.9	20.8
10 18	0 37.26	− 6 59.7	2.285	3.233	6.5	20.9
10 28	0 30.69	− 7 7.9	2.342	3.229	9.4	21.1
11 7	0 25.64	− 7 1.6	2.424	3.226	12.0	21.3

52266 Van Flandern 10 5.7 225.°55 12.°5/18.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.09	+40 44.9	2.177	2.776	19.0	18.9
9 8	1 15.73	+42 13.9	2.075	2.765	17.6	18.7
9 18	1 7.28	+43 19.0	1.988	2.753	16.0	18.6
9 28	0 56.23	+43 53.1	1.919	2.741	14.4	18.4
10 8	0 43.61	+43 50.8	1.870	2.728	13.1	18.3
10 18	0 30.85	+43 10.8	1.844	2.713	12.5	18.2
10 28	0 19.52	+41 57.3	1.842	2.699	12.9	18.2
11 7	0 10.86	+40 20.0	1.862	2.683	14.3	18.3

441791 2009 EC_{16} 10 5.7 256.°99 0.°2/ 5.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.88	+ 6 8.4	1.989	2.812	14.2	22.1
9 8	1 7.62	+ 5 51.5	1.898	2.802	11.1	21.9
9 18	1 1.25	+ 5 23.1	1.830	2.792	7.4	21.7
9 28	0 53.29	+ 4 46.2	1.788	2.782	3.3	21.4
10 8	0 44.55	+ 4 5.2	1.773	2.771	1.1	21.2
10 18	0 35.96	+ 3 25.4	1.786	2.760	5.4	21.5
10 28	0 28.50	+ 2 52.4	1.827	2.749	9.5	21.7
11 7	0 22.91	+ 2 30.6	1.893	2.738	13.0	21.9

295528 2008 RZ_{119} 10 5.7 238.°08 0.°3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.67	+ 5 27.3	4.363	5.173	7.3	21.1
9 8	0 58.61	+ 5 0.8	4.275	5.173	5.6	21.0
9 18	0 54.70	+ 4 29.1	4.212	5.172	3.6	20.8
9 28	0 50.21	+ 3 54.0	4.177	5.171	1.6	20.7
10 8	0 45.47	+ 3 17.8	4.173	5.170	0.7	20.6
10 18	0 40.82	+ 2 42.7	4.199	5.169	2.8	20.8
10 28	0 36.62	+ 2 11.1	4.254	5.169	4.8	20.9
11 7	0 33.15	+ 1 45.0	4.337	5.168	6.5	21.0

512288 2016 GC_{183} 10 5.7 11.°67 9.°4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.40	− 8 28.6	0.807	1.718	21.3	19.2
9 8	1 4.49	− 9 48.1	0.771	1.721	16.7	18.9
9 18	0 59.95	−11 8.2	0.752	1.727	12.2	18.7
9 28	0 52.81	−12 13.9	0.750	1.734	9.5	18.6
10 8	0 44.73	−12 51.4	0.769	1.744	10.7	18.7
10 18	0 37.47	−12 52.8	0.806	1.756	14.5	19.0
10 28	0 32.57	−12 17.0	0.862	1.770	18.8	19.3
11 7	0 30.83	−11 8.7	0.933	1.785	22.6	19.6

90911 1997 GF_{13} 10 5.7 203.°32 0.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.39	+ 7 1.9	2.491	3.304	12.0	20.8
9 8	1 5.20	+ 6 36.1	2.404	3.301	9.3	20.6
9 18	0 59.38	+ 6 0.1	2.339	3.298	6.2	20.4
9 28	0 52.38	+ 5 16.7	2.302	3.295	2.7	20.2
10 8	0 44.84	+ 4 29.7	2.293	3.291	0.9	20.0
10 18	0 37.47	+ 3 43.7	2.314	3.287	4.4	20.3
10 28	0 30.99	+ 3 3.3	2.364	3.283	7.7	20.5
11 7	0 25.96	+ 2 32.2	2.439	3.279	10.7	20.7

330652 2008 FB_{89} 10 5.7 24.°15 1.°5/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.34	+ 4 2.6	1.054	1.926	20.5	19.8
9 8	1 7.62	+ 3 44.0	1.005	1.937	15.8	19.5
9 18	1 1.72	+ 3 10.1	0.974	1.948	10.4	19.3
9 28	0 53.54	+ 2 27.0	0.965	1.961	4.5	19.0
10 8	0 44.52	+ 1 43.2	0.978	1.975	2.5	18.9
10 18	0 36.18	+ 1 7.7	1.014	1.990	8.0	19.3
10 28	0 29.91	+ 0 47.6	1.073	2.007	13.3	19.6
11 7	0 26.55	+ 0 46.7	1.151	2.024	17.7	20.0

307122 2002 CJ_{126} 10 5.7 194.°00 1.°5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.58	+11 9.9	1.887	2.696	15.4	21.0
9 8	1 8.24	+10 59.8	1.804	2.695	12.2	20.8
9 18	1 1.68	+10 34.3	1.741	2.694	8.5	20.5
9 28	0 53.48	+ 9 55.1	1.704	2.692	4.3	20.3
10 8	0 44.51	+ 9 6.4	1.693	2.691	1.5	20.1
10 18	0 35.78	+ 8 13.8	1.711	2.689	5.1	20.3
10 28	0 28.30	+ 7 24.1	1.756	2.687	9.2	20.6
11 7	0 22.82	+ 6 43.2	1.826	2.684	12.8	20.8

476799 2008 UB_{164} 10 5.7 347°.54 3°.4/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.30	+15 12.7	1.330	2.160	19.6	21.6
9 8	1 4.32	+15 12.5	1.253	2.152	15.9	21.3
9 18	0 59.57	+14 47.8	1.193	2.145	11.6	21.0
9 28	0 52.68	+13 59.0	1.155	2.139	6.8	20.8
10 8	0 44.73	+12 50.9	1.140	2.135	3.5	20.6
10 18	0 37.05	+11 31.9	1.150	2.131	6.3	20.7
10 28	0 30.95	+10 13.0	1.183	2.128	11.1	21.0
11 7	0 27.39	+ 9 4.5	1.239	2.126	15.6	21.3

104456 2000 GG_{8} 10 5.7 203°.59 0°.2/ 5.9 18

8 29	1 13.52	+ 8 15.6	1.856	2.674	15.3	20.8
9 8	1 9.00	+ 7 52.0	1.771	2.671	12.0	20.6
9 18	1 2.21	+ 7 14.1	1.708	2.667	8.1	20.4
9 28	0 53.73	+ 6 24.8	1.670	2.663	3.7	20.1
10 8	0 44.45	+ 5 29.2	1.660	2.658	1.0	19.9
10 18	0 35.40	+ 4 33.6	1.678	2.653	5.5	20.2
10 28	0 27.62	+ 3 44.9	1.723	2.647	9.8	20.4
11 7	0 21.87	+ 3 8.2	1.793	2.641	13.5	20.7

167896 2005 EO_{76} 10 5.7 348°.12 1°.2/ 4.5 18

8 29	1 6.83	+ 6 25.4	1.598	2.444	16.1	19.8
9 8	1 4.10	+ 5 27.4	1.523	2.440	12.4	19.6
9 18	0 59.07	+ 4 12.8	1.469	2.437	8.1	19.3
9 28	0 52.35	+ 2 47.0	1.439	2.435	3.5	19.1
10 8	0 44.86	+ 1 18.3	1.436	2.433	2.1	19.0
10 18	0 37.65	− 0 4.2	1.459	2.431	6.7	19.3
10 28	0 31.78	− 1 12.1	1.508	2.430	11.1	19.5
11 7	0 27.98	− 1 59.9	1.580	2.429	15.0	19.8

350451 1996 RH_{6} 10 5.7 242°.48 0°.9/ 7.5 18

8 29	1 3.23	+11 11.5	4.489	5.271	7.5	20.9
9 8	0 59.79	+11 6.3	4.393	5.269	5.9	20.8
9 18	0 55.48	+10 54.5	4.322	5.267	4.1	20.7
9 28	0 50.58	+10 37.2	4.279	5.264	2.2	20.5
10 8	0 45.40	+10 16.0	4.266	5.262	0.9	20.4
10 18	0 40.30	+ 9 52.6	4.284	5.260	2.4	20.5
10 28	0 35.63	+ 9 29.3	4.331	5.258	4.3	20.7
11 7	0 31.72	+ 9 8.3	4.407	5.256	6.1	20.8

468536 2006 ES_{47} 10 5.7 223°.99 2°.5/ 3.9 17

8 29	1 14.50	+ 2 18.9	1.417	2.267	17.5	21.4
9 8	1 10.37	+ 1 36.3	1.343	2.263	13.5	21.1
9 18	1 3.43	+ 0 40.8	1.290	2.259	8.9	20.8
9 28	0 54.35	− 0 21.7	1.260	2.255	4.1	20.5
10 8	0 44.28	− 1 22.7	1.256	2.250	3.4	20.5
10 18	0 34.55	− 2 13.6	1.278	2.245	8.1	20.8
10 28	0 26.48	− 2 47.3	1.325	2.240	12.9	21.0
11 7	0 20.98	− 2 59.9	1.393	2.235	17.0	21.3

129614 1998 BB_{25} 10 5.7 155°.95 1°.4/ 6.9 18

8 29	1 13.91	+10 11.4	1.844	2.655	15.6	19.1
9 8	1 9.28	+10 9.1	1.765	2.658	12.4	18.9
9 18	1 2.37	+ 9 52.5	1.707	2.660	8.5	18.7
9 28	0 53.79	+ 9 23.1	1.673	2.663	4.3	18.4
10 8	0 44.45	+ 8 45.1	1.667	2.665	1.4	18.2
10 18	0 35.40	+ 8 3.6	1.689	2.667	5.2	18.5
10 28	0 27.65	+ 7 25.0	1.738	2.668	9.3	18.8
11 7	0 21.97	+ 6 54.7	1.812	2.670	13.0	19.0

181646 2007 AM_{16} 10 5.7 135°.76 4°.2/30.7 18

8 29	1 8.50	− 5 21.3	2.294	3.140	11.8	20.1
9 8	1 4.57	− 6 29.3	2.227	3.145	9.0	19.9
9 18	0 58.96	− 7 40.6	2.186	3.149	6.2	19.8
9 28	0 52.19	− 8 49.2	2.171	3.153	4.3	19.7
10 8	0 44.93	− 9 48.9	2.184	3.157	5.0	19.7
10 18	0 37.94	−10 34.8	2.226	3.161	7.4	19.9
10 28	0 31.94	−11 3.2	2.294	3.165	10.2	20.1
11 7	0 27.47	−11 13.0	2.385	3.168	12.7	20.2

211078 2002 EG_{3} 10 5.7 66°.56 5°.0/30.7 17

8 29	1 11.84	+ 3 49.5	1.242	2.101	18.9	19.8
9 8	1 8.02	+ 0 50.8	1.206	2.134	14.1	19.7
9 18	1 1.52	− 2 23.5	1.194	2.167	9.0	19.5
9 28	0 53.31	− 5 36.9	1.208	2.199	5.2	19.4
10 8	0 44.66	− 8 31.4	1.250	2.231	6.5	19.5
10 18	0 36.82	−10 53.3	1.319	2.263	10.6	19.8
10 28	0 30.86	−12 35.5	1.412	2.295	14.6	20.2
11 7	0 27.39	−13 37.9	1.526	2.326	17.9	20.5

316196 2010 LF_{119} 10 5.7 295°.25 4°.8/ 9.7 17

8 29	1 13.52	+17 52.6	2.009	2.783	15.8	20.6
9 8	1 9.17	+18 33.8	1.908	2.766	13.2	20.4
9 18	1 2.49	+18 59.3	1.826	2.750	10.1	20.2
9 28	0 53.96	+19 7.3	1.767	2.734	6.9	19.9
10 8	0 44.39	+18 58.1	1.736	2.718	4.9	19.8
10 18	0 34.81	+18 34.1	1.731	2.702	6.0	19.8
10 28	0 26.35	+18 0.7	1.754	2.686	9.1	20.0
11 7	0 19.88	+17 24.6	1.802	2.670	12.5	20.2

348027 2003 TD_{50} 10 5.7 350°.21 10°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.80	−16 10.2	1.097	1.976	19.4	19.2
9 8	1 11.38	−16 31.7	1.036	1.963	16.0	18.9
9 18	1 4.45	−16 42.4	0.993	1.951	12.6	18.7
9 28	0 54.88	−16 31.1	0.970	1.941	10.5	18.5
10 8	0 44.16	−15 49.3	0.969	1.933	11.1	18.6
10 18	0 34.01	−14 34.1	0.990	1.927	14.1	18.7
10 28	0 26.05	−12 47.7	1.032	1.923	17.9	18.9
11 7	0 21.29	−10 36.9	1.092	1.922	21.5	19.2

225188 2008 HG_{61} 10 5.7 37°.92 4°.2/ 1.3 18

8 29	1 6.88	− 2 20.2	1.744	2.604	14.3	19.9
9 8	1 3.71	− 3 40.4	1.695	2.621	10.8	19.7
9 18	0 58.54	− 5 6.7	1.668	2.638	7.2	19.5
9 28	0 52.02	− 6 31.3	1.667	2.656	4.5	19.4
10 8	0 45.02	− 7 46.0	1.693	2.674	5.1	19.5
10 18	0 38.44	− 8 44.0	1.746	2.693	8.2	19.7
10 28	0 33.13	− 9 21.0	1.823	2.712	11.5	20.0
11 7	0 29.67	− 9 35.6	1.922	2.731	14.4	20.2

97582 Hijikawa 10 5.7 325°.84 0°.4/ 5.4 18

8 29	1 7.16	+ 6 20.8	1.957	2.790	14.0	19.4
9 8	1 4.03	+ 5 55.8	1.868	2.777	10.9	19.2
9 18	0 58.91	+ 5 18.4	1.800	2.764	7.3	18.9
9 28	0 52.28	+ 4 31.9	1.757	2.752	3.2	18.6
10 8	0 44.92	+ 3 41.3	1.742	2.740	1.2	18.5
10 18	0 37.70	+ 2 52.4	1.754	2.729	5.4	18.7
10 28	0 31.54	+ 2 11.2	1.793	2.718	9.4	19.0
11 7	0 27.15	+ 1 42.3	1.856	2.707	13.0	19.2

305262 2007 YO_{24} 10 5.8 317°.42 2°.8/ 3.3 18

8 29	1 11.87	− 0 57.6	1.914	2.757	13.9	20.8
9 8	1 7.56	− 1 29.1	1.839	2.755	10.7	20.6
9 18	1 1.16	− 2 6.9	1.787	2.754	7.0	20.4
9 28	0 53.25	− 2 46.2	1.760	2.752	3.6	20.2
10 8	0 44.67	− 3 21.3	1.761	2.751	3.5	20.2
10 18	0 36.37	− 3 47.0	1.789	2.750	6.9	20.4
10 28	0 29.28	− 3 59.0	1.844	2.748	10.5	20.6
11 7	0 24.10	− 3 55.4	1.922	2.747	13.7	20.8

103680 2000 CP_{61} 10 5.8 207°.04 5°.0/10.7 18

8 29	1 12.79	+20 39.3	2.091	2.848	15.7	19.4
9 8	1 8.38	+21 3.8	2.001	2.846	13.2	19.2
9 18	1 1.81	+21 9.8	1.930	2.844	10.2	19.1
9 28	0 53.59	+20 55.9	1.883	2.842	7.2	18.9
10 8	0 44.56	+20 23.4	1.862	2.840	5.1	18.7
10 18	0 35.70	+19 35.8	1.869	2.837	5.8	18.8
10 28	0 28.00	+18 39.4	1.903	2.835	8.5	18.9
11 7	0 22.22	+17 41.6	1.963	2.832	11.6	19.1

246006 2006 TT_{13} 10 5.8 55°.76 2°.7/ 3.1 18

8 29	1 9.64	+ 0 42.2	1.802	2.649	14.4	20.3
9 8	1 5.87	− 0 10.0	1.738	2.657	11.0	20.1
9 18	1 0.03	− 1 10.9	1.697	2.666	7.2	19.9
9 28	0 52.73	− 2 14.6	1.681	2.675	3.6	19.7
10 8	0 44.85	− 3 14.0	1.693	2.683	3.5	19.7
10 18	0 37.34	− 4 2.7	1.732	2.692	7.0	20.0
10 28	0 31.10	− 4 35.8	1.797	2.702	10.7	20.2
11 7	0 26.77	− 4 50.6	1.884	2.711	13.9	20.4

315036 2007 CH_{21} 10 5.8 248°.88 5°.1/29.9 18

8 29	1 8.84	− 7 44.3	2.195	3.046	12.1	21.0
9 8	1 4.99	− 8 53.8	2.124	3.041	9.4	20.8
9 18	0 59.35	−10 5.5	2.076	3.037	6.7	20.6
9 28	0 52.43	−11 12.9	2.055	3.032	5.1	20.5
10 8	0 44.94	−12 9.3	2.061	3.027	5.9	20.5
10 18	0 37.68	−12 49.6	2.095	3.022	8.4	20.7
10 28	0 31.44	−13 10.2	2.155	3.017	11.1	20.9
11 7	0 26.81	−13 10.4	2.236	3.012	13.7	21.0

209298 2003 YR_{111} 10 5.8 219°.58 5°.9/30.2 18

8 29	1 14.83	−11 13.8	2.097	2.940	12.9	20.3
9 8	1 9.68	−12 1.7	2.025	2.935	10.2	20.1
9 18	1 2.49	−12 48.2	1.976	2.930	7.6	20.0
9 28	0 53.83	−13 26.7	1.954	2.924	6.0	19.9
10 8	0 44.54	−13 51.3	1.958	2.918	6.7	19.9
10 18	0 35.55	−13 57.8	1.991	2.912	9.1	20.0
10 28	0 27.75	−13 44.0	2.048	2.905	11.8	20.2
11 7	0 21.82	−13 10.5	2.128	2.898	14.4	20.4

123985 2001 FK_{52} 10 5.8 235°.58 1°.5/ 7.8 18

8 29	1 7.72	+13 39.8	2.718	3.502	11.8	20.5
9 8	1 3.90	+13 11.8	2.616	3.492	9.5	20.3
9 18	0 58.55	+12 30.2	2.537	3.480	6.7	20.1
9 28	0 52.07	+11 36.5	2.484	3.469	3.6	19.9
10 8	0 45.05	+10 34.0	2.461	3.457	1.5	19.7
10 18	0 38.14	+ 9 27.1	2.467	3.445	3.8	19.9
10 28	0 32.01	+ 8 21.3	2.503	3.432	6.9	20.1
11 7	0 27.21	+ 7 21.5	2.566	3.420	9.8	20.3

316172 2009 WJ_{218} 10 5.8 51°.74 5°.3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.31	− 8 35.1	1.967	2.819	13.2	19.8
9 8	1 6.92	− 9 24.9	1.913	2.830	10.3	19.6
9 18	1 0.59	−10 14.5	1.881	2.842	7.3	19.5
9 28	0 52.95	−10 57.6	1.875	2.854	5.4	19.4
10 8	0 44.82	−11 28.1	1.897	2.866	6.0	19.4
10 18	0 37.11	−11 42.0	1.945	2.878	8.5	19.6
10 28	0 30.63	−11 37.0	2.019	2.890	11.3	19.8
11 7	0 25.98	−11 13.3	2.114	2.903	13.9	20.0

150222 1998 TA_{21} 10 5.8 313°.83 0°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.91	+ 8 5.5	1.362	2.208	18.3	20.2
9 8	1 7.16	+ 7 53.4	1.277	2.192	14.5	19.9
9 18	1 1.56	+ 7 23.4	1.210	2.175	9.9	19.6
9 28	0 53.67	+ 6 38.2	1.165	2.159	4.6	19.3
10 8	0 44.57	+ 5 43.7	1.145	2.144	1.2	19.0
10 18	0 35.60	+ 4 48.0	1.150	2.129	6.8	19.4
10 28	0 28.16	+ 4 0.3	1.179	2.114	12.2	19.6
11 7	0 23.32	+ 3 27.9	1.229	2.101	16.9	19.9

13888 3290 T_{-1} 10 5.8 96°.27 1°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.19	+ 9 52.1	1.577	2.395	17.5	18.6
9 8	1 11.34	+ 9 57.3	1.508	2.405	13.8	18.4
9 18	1 3.88	+ 9 46.9	1.459	2.415	9.5	18.2
9 28	0 54.53	+ 9 22.7	1.435	2.425	4.8	17.9
10 8	0 44.37	+ 8 48.9	1.436	2.434	1.6	17.7
10 18	0 34.65	+ 8 11.5	1.465	2.443	5.7	18.0
10 28	0 26.52	+ 7 37.3	1.521	2.453	10.2	18.3
11 7	0 20.81	+ 7 12.1	1.599	2.462	14.1	18.6

305198 2007 VF_{331} 10 5.8 290°.38 2°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.87	+13 5.5	1.962	2.765	15.1	21.1
9 8	1 6.12	+12 54.1	1.877	2.763	12.1	20.9
9 18	1 0.29	+12 26.2	1.812	2.761	8.5	20.7
9 28	0 52.92	+11 43.3	1.773	2.758	4.7	20.4
10 8	0 44.83	+10 49.3	1.760	2.756	2.0	20.3
10 18	0 36.95	+ 9 49.9	1.775	2.754	4.9	20.5
10 28	0 30.22	+ 8 51.8	1.818	2.752	8.7	20.7
11 7	0 25.36	+ 8 1.5	1.886	2.749	12.2	20.9

469381 2001 SD_{185} 10 5.8 20°.61 1°.4/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.83	+ 8 0.5	1.079	1.939	21.1	20.6
9 8	1 8.86	+ 8 21.4	1.026	1.947	16.6	20.4
9 18	1 2.65	+ 8 24.4	0.991	1.957	11.3	20.1
9 28	0 54.07	+ 8 11.8	0.976	1.969	5.5	19.9
10 8	0 44.52	+ 7 49.1	0.984	1.982	1.6	19.7
10 18	0 35.61	+ 7 23.4	1.015	1.996	7.0	20.1
10 28	0 28.79	+ 7 2.9	1.069	2.012	12.3	20.4
11 7	0 24.96	+ 6 53.8	1.144	2.028	16.9	20.7

408357 2013 GS_{89} 10 5.8 31°.17 0°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.91	+ 6 6.3	0.930	1.802	22.7	19.7
9 8	1 10.80	+ 6 13.0	0.884	1.813	17.7	19.4
9 18	1 4.07	+ 6 1.4	0.854	1.825	11.8	19.2
9 28	0 54.71	+ 5 35.8	0.843	1.839	5.3	18.9
10 8	0 44.35	+ 5 3.6	0.855	1.854	1.5	18.7
10 18	0 34.81	+ 4 33.8	0.889	1.869	7.9	19.2
10 28	0 27.70	+ 4 14.8	0.945	1.886	13.7	19.5
11 7	0 23.92	+ 4 12.1	1.020	1.903	18.5	19.9

244884 2003 UD_{400} 10 5.8 113°.84 1°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.73	+ 1 32.8	1.818	2.656	14.8	20.7
9 8	1 9.12	+ 1 14.3	1.743	2.656	11.4	20.5
9 18	1 2.28	+ 0 47.6	1.690	2.656	7.5	20.3
9 28	0 53.80	+ 0 16.9	1.662	2.656	3.4	20.1
10 8	0 44.59	− 0 12.5	1.662	2.657	2.5	20.0
10 18	0 35.70	− 0 35.4	1.689	2.657	6.4	20.3
10 28	0 28.11	− 0 47.4	1.743	2.657	10.4	20.5
11 7	0 22.56	− 0 45.7	1.820	2.657	13.9	20.7

253643 2003 UN_{119} 10 5.8 323°.35 0°.5/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.75	+ 6 7.4	1.297	2.142	19.1	20.4
9 8	1 11.76	+ 6 23.9	1.220	2.134	15.1	20.1
9 18	1 4.64	+ 6 27.2	1.162	2.127	10.2	19.8
9 28	0 55.05	+ 6 19.2	1.126	2.120	4.7	19.5
10 8	0 44.21	+ 6 4.2	1.115	2.114	1.3	19.2
10 18	0 33.64	+ 5 48.1	1.130	2.108	7.0	19.6
10 28	0 24.88	+ 5 37.6	1.168	2.103	12.4	19.9
11 7	0 18.98	+ 5 38.1	1.228	2.098	17.0	20.2

26718 2001 HP_5 10 5.8 308°.69 5°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.07	+27 54.0	2.436	3.147	14.9	17.5
9 8	1 3.73	+27 45.9	2.339	3.145	12.8	17.3
9 18	0 58.58	+27 15.7	2.262	3.142	10.4	17.1
9 28	0 52.13	+26 22.3	2.207	3.140	7.9	17.0
10 8	0 45.07	+25 7.3	2.178	3.138	6.1	16.8
10 18	0 38.21	+23 35.2	2.176	3.135	5.9	16.8
10 28	0 32.34	+21 52.8	2.203	3.133	7.6	16.9
11 7	0 28.07	+20 8.3	2.257	3.131	10.1	17.1

431822 2008 RC_{110} 10 5.8 292°.05 0°.6/ 4.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.13	+ 4 58.2	4.229	5.043	7.4	21.5
9 8	0 58.28	+ 4 15.7	4.136	5.036	5.7	21.3
9 18	0 54.56	+ 3 27.4	4.067	5.029	3.7	21.2
9 28	0 50.24	+ 2 35.5	4.028	5.022	1.6	21.0
10 8	0 45.64	+ 1 42.7	4.019	5.016	0.9	21.0
10 18	0 41.13	+ 0 51.8	4.041	5.009	3.0	21.1
10 28	0 37.06	+ 0 5.6	4.093	5.002	5.1	21.3
11 7	0 33.74	− 0 33.6	4.171	4.995	6.9	21.4

186170 2001 UY_{143} 10 5.8 312°.56 2°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.35	− 0 46.4	1.773	2.623	14.5	20.1
9 8	1 6.74	− 1 18.0	1.687	2.607	11.2	19.8
9 18	1 0.86	− 1 57.1	1.621	2.590	7.5	19.6
9 28	0 53.24	− 2 38.7	1.581	2.574	3.8	19.3
10 8	0 44.75	− 3 16.7	1.568	2.559	3.7	19.3
10 18	0 36.42	− 3 44.8	1.581	2.543	7.4	19.5
10 28	0 29.30	− 3 58.2	1.620	2.528	11.4	19.7
11 7	0 24.18	− 3 54.1	1.681	2.514	15.0	19.9

485297 2011 AB_{43} 10 5.8 302°.53 4°.2/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.98	+18 43.7	2.240	3.007	14.5	21.9
9 8	1 6.11	+19 3.4	2.142	2.997	12.1	21.7
9 18	1 0.28	+19 6.9	2.065	2.988	9.2	21.5
9 28	0 52.95	+18 53.2	2.012	2.978	6.2	21.3
10 8	0 44.85	+18 23.9	1.986	2.969	4.3	21.1
10 18	0 36.85	+17 42.2	1.987	2.959	5.2	21.2
10 28	0 29.84	+16 53.6	2.017	2.950	8.0	21.3
11 7	0 24.54	+16 4.5	2.071	2.941	11.1	21.5

399691 2004 TT_{98} 10 5.8 57°.37 2°.3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.72	− 0 46.6	1.925	2.762	14.1	20.7
9 8	1 9.48	− 1 0.9	1.872	2.785	10.7	20.6
9 18	1 2.25	− 1 20.3	1.841	2.807	7.0	20.4
9 28	0 53.69	− 1 40.4	1.837	2.830	3.4	20.2
10 8	0 44.69	− 1 56.9	1.860	2.853	2.9	20.2
10 18	0 36.19	− 2 5.6	1.912	2.876	6.2	20.5
10 28	0 29.02	− 2 3.7	1.991	2.899	9.6	20.7
11 7	0 23.79	− 1 49.7	2.094	2.922	12.6	21.0

360658 2004 RS_{54} 10 5.8 21°.89 4°.9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 1.42	+ 2 21.0	0.700	1.613	23.4	19.0
9 8	1 1.61	+ 0 50.8	0.672	1.627	17.7	18.7
9 18	0 58.11	− 0 58.0	0.660	1.643	11.4	18.5
9 28	0 52.06	− 2 49.7	0.666	1.662	5.8	18.3
10 8	0 45.18	− 4 26.5	0.691	1.683	6.3	18.4
10 18	0 39.22	− 5 34.6	0.736	1.707	11.5	18.8
10 28	0 35.61	− 6 6.6	0.800	1.732	16.8	19.2
11 7	0 35.06	− 6 3.0	0.880	1.758	21.2	19.6

485497 2011 SH_{202} 10 5.8 307°.51 0°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.61	+10 2.9	1.739	2.570	15.6	20.8
9 8	1 3.15	+ 8 53.5	1.646	2.554	12.2	20.6
9 18	0 58.51	+ 7 22.9	1.575	2.539	8.2	20.3
9 28	0 52.21	+ 5 35.5	1.529	2.524	3.6	20.0
10 8	0 45.08	+ 3 39.5	1.511	2.509	1.3	19.8
10 18	0 38.10	+ 1 44.8	1.520	2.494	6.1	20.1
10 28	0 32.28	+ 0 2.0	1.556	2.480	10.7	20.3
11 7	0 28.41	− 1 21.3	1.615	2.466	14.6	20.5

23838 1998 QB_{96} 10 5.8 146°.58 1°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.04	+14 2.4	2.190	2.982	14.1	18.9
9 8	1 5.93	+13 18.9	2.109	2.990	11.2	18.7
9 18	0 59.99	+12 18.1	2.051	2.997	7.8	18.5
9 28	0 52.74	+11 2.8	2.018	3.004	4.1	18.3
10 8	0 44.95	+ 9 38.0	2.014	3.011	1.5	18.1
10 18	0 37.44	+ 8 10.2	2.039	3.017	4.4	18.3
10 28	0 31.01	+ 6 46.8	2.093	3.022	8.0	18.6
11 7	0 26.25	+ 5 33.8	2.174	3.028	11.3	18.8

128225 2003 SP_{106} 10 5.8 81°.31 3°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.59	+18 28.6	2.347	3.116	13.9	19.6
9 8	1 4.75	+18 19.6	2.268	3.126	11.4	19.5
9 18	0 59.17	+17 53.5	2.210	3.136	8.5	19.3
9 28	0 52.38	+17 11.1	2.176	3.147	5.4	19.1
10 8	0 45.06	+16 15.5	2.170	3.157	3.4	19.0
10 18	0 38.00	+15 11.3	2.192	3.167	4.4	19.1
10 28	0 31.94	+14 4.4	2.243	3.178	7.3	19.3
11 7	0 27.46	+13 1.1	2.321	3.188	10.1	19.5

80631 2000 AW_{204} 10 5.8 302°.11 11°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.64	+37 16.9	1.551	2.241	22.8	19.4
9 8	1 5.77	+37 46.6	1.451	2.222	20.8	19.2
9 18	1 0.86	+37 39.7	1.364	2.204	18.3	18.9
9 28	0 53.46	+36 48.2	1.293	2.187	15.5	18.7
10 8	0 44.70	+35 8.2	1.242	2.169	13.1	18.5
10 18	0 36.06	+32 42.2	1.213	2.152	11.9	18.4
10 28	0 29.10	+29 41.5	1.209	2.135	12.9	18.4
11 7	0 24.97	+26 24.3	1.229	2.118	15.5	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480965 2003 UV_{159}		10 5.8 348.°87 9.°9/12.2 16				
	h m	° ′			°	m
8 29	1 11.11	+23 8.2	1.309	2.097	22.0	20.7
9 8	1 8.59	+24 46.5	1.230	2.087	19.0	20.4
9 18	1 2.84	+26 2.1	1.167	2.078	15.7	20.2
9 28	0 54.39	+26 48.4	1.123	2.070	12.4	20.0
10 8	0 44.43	+27 1.5	1.100	2.064	10.1	19.8
10 18	0 34.52	+26 42.8	1.100	2.059	10.4	19.8
10 28	0 26.36	+25 59.5	1.122	2.055	12.9	20.0
11 7	0 21.22	+25 3.6	1.165	2.053	16.3	20.2
397632 2007 WR_{22}		10 5.8 6.°23 3.°3/ 8.8 18				
8 29	1 10.58	+15 36.6	1.783	2.581	16.6	20.9
9 8	1 6.92	+15 40.0	1.702	2.581	13.5	20.7
9 18	1 0.95	+15 24.3	1.640	2.581	9.8	20.5
9 28	0 53.28	+14 50.2	1.602	2.582	5.9	20.3
10 8	0 44.80	+14 0.9	1.590	2.583	3.3	20.1
10 18	0 36.57	+13 2.1	1.605	2.583	5.3	20.2
10 28	0 29.63	+12 1.4	1.647	2.584	9.2	20.5
11 7	0 24.77	+11 6.3	1.713	2.586	12.8	20.7
380411 2003 AM_{56}		10 5.8 249.°00 2.°7/ 8.0 18				
8 29	1 14.16	+13 31.6	1.818	2.617	16.3	21.6
9 8	1 9.80	+13 37.5	1.722	2.605	13.2	21.3
9 18	1 2.99	+13 26.3	1.646	2.592	9.5	21.1
9 28	0 54.25	+12 58.4	1.595	2.578	5.4	20.8
10 8	0 44.50	+12 16.7	1.570	2.564	2.7	20.6
10 18	0 34.84	+11 26.2	1.572	2.550	5.5	20.8
10 28	0 26.43	+10 34.1	1.602	2.536	9.7	21.0
11 7	0 20.17	+ 9 47.8	1.656	2.521	13.6	21.2
474273 2001 TT_{193}		10 5.8 346.°35 1.°8/ 7.1 16				
8 29	1 2.15	+11 55.1	1.089	1.951	20.8	20.6
9 8	1 1.62	+11 39.4	1.015	1.937	16.7	20.3
9 18	0 58.10	+10 57.0	0.959	1.926	11.6	19.9
9 28	0 52.20	+ 9 50.1	0.923	1.915	6.0	19.6
10 8	0 45.10	+ 8 26.3	0.908	1.907	1.8	19.3
10 18	0 38.25	+ 6 57.1	0.917	1.900	7.0	19.6
10 28	0 33.14	+ 5 35.9	0.947	1.895	12.8	19.9
11 7	0 30.83	+ 4 33.5	0.997	1.891	17.9	20.2
451129 2009 MU_{9}		10 5.8 31.°67 3.°0/ 8.6 18				
8 29	1 9.88	+14 47.9	1.845	2.646	16.0	20.8
9 8	1 6.20	+14 55.0	1.773	2.654	12.9	20.6
9 18	1 0.36	+14 44.7	1.721	2.663	9.3	20.4
9 28	0 52.98	+14 17.9	1.692	2.673	5.6	20.2
10 8	0 44.93	+13 37.8	1.690	2.683	3.0	20.1
10 18	0 37.19	+12 49.8	1.716	2.694	5.1	20.2
10 28	0 30.72	+12 0.3	1.768	2.705	8.7	20.5
11 7	0 26.21	+11 16.0	1.844	2.716	12.1	20.7
335708 2007 AM_{28}		10 5.8 167.°07 0.°0/ 5.9 18				
8 29	1 13.39	+ 8 13.1	1.915	2.732	14.9	21.9
9 8	1 8.79	+ 7 42.3	1.837	2.735	11.7	21.7
9 18	1 2.03	+ 6 57.5	1.780	2.739	7.8	21.5
9 28	0 53.72	+ 6 1.9	1.749	2.742	3.5	21.2
10 8	0 44.72	+ 5 1.0	1.746	2.744	1.0	21.1
10 18	0 36.01	+ 4 1.2	1.771	2.746	5.4	21.4
10 28	0 28.55	+ 3 9.0	1.824	2.747	9.4	21.6
11 7	0 23.05	+ 2 29.4	1.902	2.748	13.0	21.9
127213 2002 HS_{14}		10 5.8 206.°59 0.°3/ 5.4 18				
8 29	1 9.00	+ 6 35.6	2.512	3.327	11.9	20.7
9 8	1 4.94	+ 6 4.0	2.424	3.323	9.2	20.5
9 18	0 59.27	+ 5 22.4	2.360	3.320	6.1	20.3
9 28	0 52.44	+ 4 33.7	2.322	3.316	2.7	20.1
10 8	0 45.08	+ 3 41.8	2.314	3.312	1.0	20.0
10 18	0 37.89	+ 2 51.6	2.335	3.307	4.5	20.2
10 28	0 31.56	+ 2 7.7	2.385	3.303	7.8	20.4
11 7	0 26.67	+ 1 33.9	2.460	3.298	10.7	20.6
6729 Emiko		10 5.8 302.°78 0.°8/ 5.3 18				
8 29	1 17.09	+ 2 36.2	1.635	2.470	16.2	16.3
9 8	1 12.34	+ 2 52.2	1.541	2.452	12.8	16.0
9 18	1 4.84	+ 3 0.9	1.468	2.433	8.6	15.8
9 28	0 55.15	+ 3 4.7	1.420	2.414	3.8	15.4
10 8	0 44.28	+ 3 7.2	1.398	2.396	1.6	15.2
10 18	0 33.47	+ 3 12.3	1.404	2.378	6.6	15.5
10 28	0 24.04	+ 3 24.5	1.435	2.360	11.4	15.7
11 7	0 17.01	+ 3 46.9	1.490	2.342	15.6	16.0
515542 2014 GU_{45}		10 5.8 112.°92 2.°8/ 3.2 18				
8 29	1 12.43	− 0 41.8	1.935	2.775	13.9	21.7
9 8	1 7.93	− 1 20.2	1.866	2.782	10.6	21.5
9 18	1 1.39	− 2 5.1	1.821	2.788	7.0	21.3
9 28	0 53.40	− 2 51.4	1.801	2.794	3.6	21.1
10 8	0 44.83	− 3 33.2	1.810	2.800	3.5	21.2
10 18	0 36.59	− 4 5.3	1.846	2.805	6.8	21.4
10 28	0 29.59	− 4 23.3	1.909	2.811	10.3	21.6
11 7	0 24.47	− 4 25.4	1.995	2.816	13.4	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
477068 2009 BS_{58}		10 5.8 240.°35 7.°1/28.1 18				
	h m	° ′			°	m
8 29	1 13.31	−13 57.6	2.128	2.973	12.6	21.6
9 8	1 8.63	−15 12.3	2.052	2.959	10.2	21.4
9 18	1 1.90	−16 25.0	2.001	2.946	8.1	21.2
9 28	0 53.67	−17 28.1	1.975	2.931	7.1	21.1
10 8	0 44.74	−18 14.3	1.976	2.916	8.1	21.2
10 18	0 36.02	−18 38.5	2.004	2.901	10.3	21.3
10 28	0 28.42	−18 38.3	2.056	2.886	12.9	21.4
11 7	0 22.65	−18 14.4	2.129	2.869	15.3	21.6
382400 1994 SJ_{10}		10 5.8 25.°90 0.°7/ 5.4 18				
8 29	1 13.20	+ 4 22.0	1.106	1.970	20.4	20.4
9 8	1 9.80	+ 4 24.9	1.055	1.981	15.8	20.2
9 18	1 3.22	+ 4 13.9	1.022	1.992	10.4	19.9
9 28	0 54.34	+ 3 53.2	1.010	2.005	4.6	19.6
10 8	0 44.58	+ 3 29.5	1.021	2.019	1.7	19.5
10 18	0 35.50	+ 3 9.9	1.056	2.034	7.5	19.9
10 28	0 28.49	+ 3 0.9	1.115	2.050	12.7	20.2
11 7	0 24.42	+ 3 6.7	1.193	2.067	17.1	20.6
382446 2000 BW_{27}		10 5.8 266.°57 14.°5/15.9 18				
8 29	1 24.89	+38 3.1	1.881	2.513	20.9	20.8
9 8	1 19.56	+40 17.7	1.778	2.494	19.4	20.6
9 18	1 10.54	+42 11.9	1.690	2.475	17.7	20.4
9 28	0 58.13	+43 35.6	1.621	2.455	16.0	20.3
10 8	0 43.36	+44 20.3	1.573	2.435	14.8	20.1
10 18	0 27.94	+44 21.4	1.546	2.414	14.5	20.1
10 28	0 13.93	+43 41.7	1.541	2.394	15.3	20.1
11 7	0 3.07	+42 31.4	1.558	2.373	16.9	20.1
520582 2014 NR_{72}		10 5.8 172.°28 3.°5/ 1.6 18				
8 29	1 10.69	− 5 42.5	2.636	3.473	10.7	22.1
9 8	1 6.07	− 6 24.9	2.563	3.475	8.3	21.9
9 18	0 59.93	− 7 9.2	2.515	3.477	5.7	21.8
9 28	0 52.71	− 7 51.1	2.495	3.478	3.7	21.6
10 8	0 45.06	− 8 25.9	2.503	3.479	4.1	21.7
10 18	0 37.62	− 8 50.0	2.540	3.480	6.4	21.8
10 28	0 31.08	− 9 0.6	2.605	3.481	8.9	22.0
11 7	0 25.93	− 8 56.8	2.695	3.481	11.3	22.2
261663 2005 YL_{124}		10 5.8 297.°07 3.°9/ 9.6 18				
8 29	1 9.97	+17 27.5	2.119	2.897	14.9	21.1
9 8	1 6.30	+17 42.3	2.015	2.879	12.3	20.9
9 18	1 0.54	+17 40.4	1.932	2.862	9.3	20.6
9 28	0 53.16	+17 21.1	1.872	2.844	6.1	20.4
10 8	0 44.90	+16 46.0	1.839	2.826	3.9	20.2
10 18	0 36.68	+15 58.9	1.834	2.809	5.2	20.3
10 28	0 29.46	+15 5.7	1.856	2.791	8.5	20.5
11 7	0 24.03	+14 13.4	1.903	2.774	11.8	20.6
269905 2000 HA_{18}		10 5.8 174.°20 0.°2/ 5.6 17				
8 29	1 14.13	+ 6 54.9	1.932	2.751	14.7	22.3
9 8	1 9.36	+ 6 27.9	1.853	2.753	11.5	22.0
9 18	1 2.43	+ 5 48.1	1.795	2.755	7.6	21.8
9 28	0 53.92	+ 4 58.9	1.763	2.757	3.4	21.6
10 8	0 44.71	+ 4 5.6	1.760	2.758	1.1	21.4
10 18	0 35.79	+ 3 14.2	1.785	2.758	5.5	21.7
10 28	0 28.10	+ 2 30.7	1.837	2.758	9.5	22.0
11 7	0 22.38	+ 1 59.6	1.914	2.757	13.0	22.2
203703 2002 PS_{33}		10 5.8 116.°62 1.°7/ 4.0 18				
8 29	1 11.33	+ 3 14.5	2.003	2.835	13.8	20.8
9 8	1 7.00	+ 2 27.4	1.936	2.846	10.5	20.6
9 18	1 0.73	+ 1 30.5	1.891	2.857	6.9	20.4
9 28	0 53.11	+ 0 28.7	1.873	2.867	3.1	20.2
10 8	0 44.96	− 0 32.0	1.883	2.878	2.4	20.1
10 18	0 37.15	− 1 25.6	1.922	2.887	6.0	20.4
10 28	0 30.51	− 2 6.8	1.988	2.897	9.6	20.6
11 7	0 25.67	− 2 32.5	2.077	2.906	12.7	20.9
241237 2007 TJ_{192}		10 5.8 81.°06 1.°7/ 7.4 18				
8 29	1 10.80	+12 30.1	1.818	2.628	15.9	20.9
9 8	1 6.91	+12 11.3	1.745	2.635	12.6	20.7
9 18	1 0.85	+11 35.1	1.692	2.643	8.8	20.4
9 28	0 53.22	+10 43.8	1.663	2.651	4.6	20.2
10 8	0 44.93	+ 9 42.4	1.662	2.659	1.7	20.0
10 18	0 36.96	+ 8 37.2	1.688	2.667	5.0	20.3
10 28	0 30.29	+ 7 35.7	1.742	2.675	9.1	20.5
11 7	0 25.60	+ 6 44.2	1.820	2.683	12.7	20.8
373189 2012 DD_{65}		10 5.8 218.°99 2.°8/ 3.4 17				
8 29	1 12.75	+ 2 33.6	1.545	2.392	16.5	21.6
9 8	1 8.86	+ 1 30.5	1.469	2.388	12.7	21.4
9 18	1 2.39	+ 0 13.4	1.414	2.383	8.3	21.1
9 28	0 54.00	− 1 11.0	1.383	2.377	4.0	20.8
10 8	0 44.70	− 2 33.5	1.379	2.371	3.7	20.8
10 18	0 35.69	− 3 44.9	1.402	2.365	8.0	21.1
10 28	0 28.16	− 4 37.6	1.450	2.359	12.5	21.3
11 7	0 22.95	− 5 7.4	1.520	2.352	16.4	21.5

142010 2002 PX_{163} 10 5.8 82°.55 4°.0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.38	− 0 57.1	1.419	2.275	17.1	20.1
9 8	1 10.00	− 1 56.5	1.366	2.289	13.1	19.8
9 18	1 3.00	− 3 4.5	1.334	2.304	8.6	19.6
9 28	0 54.17	− 4 13.1	1.326	2.318	4.7	19.4
10 8	0 44.68	− 5 13.3	1.345	2.332	4.8	19.5
10 18	0 35.79	− 5 57.4	1.389	2.347	8.7	19.8
10 28	0 28.61	− 6 20.4	1.457	2.361	12.8	20.0
11 7	0 23.88	− 6 21.0	1.547	2.374	16.4	20.3

129628 1998 HH_{12} 10 5.8 312°.80 5°.0/ 3.2 18

8 29	1 24.06	− 8 32.1	1.610	2.449	16.3	19.5
9 8	1 17.55	− 8 24.7	1.530	2.441	12.8	19.2
9 18	1 8.14	− 8 14.6	1.472	2.433	9.0	19.0
9 28	0 56.56	− 7 56.2	1.440	2.425	5.6	18.8
10 8	0 43.98	− 7 24.7	1.435	2.417	5.6	18.7
10 18	0 31.78	− 6 37.5	1.458	2.410	8.9	18.9
10 28	0 21.30	− 5 34.3	1.507	2.403	12.9	19.2
11 7	0 13.47	− 4 16.6	1.580	2.397	16.6	19.4

392188 2009 RV_{68} 10 5.8 293°.95 1°.6/ 2.8 18

8 29	1 3.58	− 2 22.8	4.264	5.092	7.1	21.2
9 8	1 0.12	− 2 44.8	4.180	5.089	5.4	21.1
9 18	0 55.78	− 3 9.0	4.122	5.085	3.6	20.9
9 28	0 50.83	− 3 33.2	4.092	5.082	1.9	20.8
10 8	0 45.62	− 3 55.1	4.092	5.079	2.0	20.8
10 18	0 40.50	− 4 12.5	4.122	5.075	3.6	20.9
10 28	0 35.84	− 4 23.7	4.181	5.072	5.5	21.1
11 7	0 31.97	− 4 27.4	4.267	5.069	7.2	21.2

222208 2000 EX_{41} 10 5.8 231°.83 0°.4/ 5.5 18

8 29	1 13.82	+ 6 36.3	1.865	2.687	15.1	21.3
9 8	1 9.36	+ 6 9.8	1.774	2.677	11.8	21.1
9 18	1 2.60	+ 5 30.0	1.705	2.666	7.9	20.8
9 28	0 54.07	+ 4 40.0	1.661	2.655	3.5	20.6
10 8	0 44.68	+ 3 45.2	1.645	2.643	1.2	20.4
10 18	0 35.43	+ 2 52.0	1.657	2.630	5.8	20.7
10 28	0 27.41	+ 2 7.0	1.696	2.617	10.1	20.9
11 7	0 21.41	+ 1 35.2	1.760	2.604	13.9	21.1

134264 2006 BO_{30} 10 5.8 350°.81 3°.2/ 8.9 18

8 29	1 11.26	+15 30.0	2.230	3.011	14.2	20.1
9 8	1 7.02	+15 47.3	2.142	3.010	11.5	20.0
9 18	1 0.83	+15 50.0	2.075	3.010	8.5	19.8
9 28	0 53.22	+15 38.3	2.033	3.009	5.3	19.6
10 8	0 44.93	+15 14.0	2.019	3.008	3.2	19.4
10 18	0 36.81	+14 40.7	2.033	3.008	4.7	19.5
10 28	0 29.72	+14 3.5	2.075	3.008	7.8	19.7
11 7	0 24.33	+13 27.9	2.142	3.008	10.9	19.9

296638 Sergeibelov 10 5.8 207°.30 4°.1/11.2 18

8 29	1 8.92	+21 48.0	2.657	3.398	13.1	20.9
9 8	1 4.96	+21 49.1	2.560	3.395	11.0	20.8
9 18	0 59.35	+21 33.4	2.484	3.392	8.5	20.6
9 28	0 52.53	+21 0.8	2.433	3.389	6.0	20.5
10 8	0 45.14	+20 13.0	2.409	3.385	4.3	20.3
10 18	0 37.88	+19 13.4	2.413	3.381	4.7	20.4
10 28	0 31.49	+18 7.4	2.447	3.377	6.9	20.5
11 7	0 26.55	+17 0.8	2.507	3.373	9.5	20.7

624 Hektor 10 5.8 212°.84 2°.4/10.5 18 A

8 29	1 4.60	+19 6.3	4.632	5.367	8.0	14.8
9 8	1 0.91	+19 16.5	4.533	5.366	6.6	14.7
9 18	0 56.31	+19 18.2	4.456	5.365	5.0	14.6
9 28	0 51.09	+19 11.6	4.407	5.364	3.5	14.5
10 8	0 45.56	+18 57.7	4.386	5.363	2.5	14.4
10 18	0 40.10	+18 38.0	4.396	5.363	2.8	14.5
10 28	0 35.08	+18 14.4	4.435	5.362	4.2	14.6
11 7	0 30.83	+17 49.7	4.503	5.361	5.8	14.7

280465 2004 FT_{92} 10 5.8 236°.17 0°.0/ 5.6 18

8 29	1 16.12	+ 6 20.6	1.753	2.575	15.9	21.2
9 8	1 11.30	+ 6 14.6	1.664	2.566	12.5	21.0
9 18	1 3.98	+ 5 56.5	1.596	2.557	8.4	20.7
9 28	0 54.73	+ 5 28.6	1.553	2.547	3.8	20.4
10 8	0 44.51	+ 4 55.6	1.538	2.536	1.1	20.2
10 18	0 34.46	+ 4 22.8	1.551	2.526	5.9	20.5
10 28	0 25.74	+ 3 56.4	1.590	2.515	10.4	20.8
11 7	0 19.25	+ 3 41.0	1.653	2.503	14.4	21.0

487130 2014 OZ_{182} 10 5.8 341°.98 5°.5/29.6 17

8 29	1 7.89	− 8 30.7	2.080	2.936	12.5	21.5
9 8	1 4.40	− 9 41.3	2.013	2.933	9.7	21.3
9 18	0 59.06	−10 53.3	1.970	2.930	7.1	21.1
9 28	0 52.41	−11 59.9	1.952	2.928	5.5	21.0
10 8	0 45.19	−12 54.2	1.962	2.925	6.4	21.1
10 18	0 38.23	−13 30.9	1.998	2.923	8.8	21.2
10 28	0 32.33	−13 46.8	2.059	2.921	11.6	21.4
11 7	0 28.10	−13 41.4	2.142	2.920	14.1	21.6

73339 2002 JS_{112} 10 5.8 216°.07 1°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.23	+ 9 35.2	1.669	2.486	16.7	20.1
9 8	1 10.71	+ 9 23.4	1.584	2.481	13.3	19.8
9 18	1 3.62	+ 8 55.5	1.519	2.475	9.1	19.6
9 28	0 54.58	+ 8 13.6	1.478	2.469	4.4	19.3
10 8	0 44.56	+ 7 22.5	1.464	2.463	1.2	19.1
10 18	0 34.77	+ 6 28.8	1.478	2.456	5.8	19.4
10 28	0 26.39	+ 5 40.1	1.519	2.448	10.5	19.6
11 7	0 20.31	+ 5 2.8	1.583	2.440	14.5	19.9

288529 2004 GZ_6 10 5.8 268°.67 1°.7/ 4.1 18

8 29	1 10.94	+ 2 25.4	1.992	2.828	13.7	21.3
9 8	1 6.94	+ 1 52.5	1.905	2.817	10.6	21.1
9 18	1 0.88	+ 1 10.1	1.840	2.806	7.0	20.9
9 28	0 53.28	+ 0 22.4	1.801	2.796	3.2	20.6
10 8	0 44.94	− 0 25.0	1.790	2.785	2.4	20.6
10 18	0 36.77	− 1 6.4	1.807	2.774	6.2	20.8
10 28	0 29.69	− 1 36.6	1.851	2.763	10.0	21.0
11 7	0 24.43	− 1 52.2	1.918	2.752	13.4	21.2

43773 1989 AJ 10 5.8 305°.19 4°.0/ 9.3 18

8 29	1 9.89	+16 48.2	1.822	2.614	16.5	18.3
9 8	1 6.62	+17 3.2	1.720	2.594	13.6	18.0
9 18	1 0.98	+16 59.6	1.637	2.573	10.2	17.8
9 28	0 53.45	+16 36.3	1.578	2.553	6.6	17.5
10 8	0 44.87	+15 55.2	1.544	2.533	4.1	17.3
10 18	0 36.29	+15 0.8	1.537	2.513	5.7	17.4
10 28	0 28.88	+14 0.5	1.556	2.494	9.5	17.6
11 7	0 23.52	+13 2.3	1.599	2.475	13.4	17.8

488269 2016 TF_3 10 5.8 336°.85 2°.5/ 3.3 18

8 29	1 3.54	+ 5 59.5	1.388	2.249	17.2	20.2
9 8	1 2.01	+ 4 26.7	1.311	2.238	13.2	19.9
9 18	0 57.99	+ 2 31.9	1.255	2.228	8.6	19.6
9 28	0 52.09	+ 0 23.0	1.222	2.218	3.8	19.3
10 8	0 45.27	− 1 47.9	1.215	2.209	3.6	19.3
10 18	0 38.71	− 3 47.4	1.234	2.201	8.4	19.6
10 28	0 33.54	− 5 24.2	1.278	2.194	13.2	19.8
11 7	0 30.64	− 6 31.7	1.342	2.188	17.3	20.1

156670 2002 JK_{111} 10 5.8 117°.30 2°.0/ 3.6 18

8 29	1 12.04	− 0 27.5	2.572	3.398	11.3	20.4
9 8	1 7.09	− 0 51.7	2.504	3.411	8.6	20.2
9 18	1 0.58	− 1 20.5	2.460	3.424	5.6	20.1
9 28	0 53.01	− 1 50.3	2.444	3.436	2.7	19.9
10 8	0 45.04	− 2 17.3	2.457	3.448	2.5	19.9
10 18	0 37.35	− 2 38.0	2.500	3.460	5.2	20.1
10 28	0 30.61	− 2 49.4	2.571	3.472	8.1	20.3
11 7	0 25.32	− 2 49.7	2.668	3.483	10.6	20.5

487972 2015 TA_{304} 10 5.8 345°.15 5°.3/ 1.3 18

8 29	1 15.17	−10 21.7	2.067	2.910	13.0	20.5
9 8	1 9.97	−10 45.7	1.997	2.907	10.3	20.3
9 18	1 2.73	−11 7.7	1.949	2.905	7.4	20.1
9 28	0 54.04	−11 22.3	1.927	2.903	5.5	20.0
10 8	0 44.75	−11 24.4	1.933	2.901	5.9	20.0
10 18	0 35.79	−11 10.8	1.966	2.900	8.4	20.2
10 28	0 28.06	−10 40.0	2.026	2.898	11.2	20.3
11 7	0 22.21	− 9 52.7	2.108	2.897	13.9	20.5

398414 2011 SY_{252} 10 5.8 62°.85 2°.5/ 3.2 18

8 29	1 9.03	+ 4 1.4	1.662	2.508	15.5	20.6
9 8	1 5.49	+ 2 33.4	1.611	2.529	11.8	20.4
9 18	0 59.82	+ 0 52.5	1.581	2.551	7.6	20.2
9 28	0 52.73	− 0 53.3	1.578	2.572	3.5	20.0
10 8	0 45.14	− 2 34.7	1.602	2.594	3.4	20.0
10 18	0 38.03	− 4 2.8	1.654	2.616	7.2	20.3
10 28	0 32.30	− 5 11.0	1.732	2.637	11.0	20.6
11 7	0 28.55	− 5 56.2	1.832	2.659	14.2	20.8

304527 2006 UU_{256} 10 5.8 119°.05 0°.4/ 6.3 18

8 29	1 9.62	+10 39.1	2.266	3.071	13.3	21.2
9 8	1 5.49	+ 9 47.8	2.193	3.085	10.4	21.0
9 18	0 59.65	+ 8 42.2	2.144	3.099	7.0	20.8
9 28	0 52.63	+ 7 25.9	2.121	3.112	3.2	20.6
10 8	0 45.15	+ 6 4.4	2.127	3.125	0.8	20.4
10 18	0 37.97	+ 4 43.8	2.162	3.138	4.5	20.8
10 28	0 31.83	+ 3 30.6	2.227	3.150	8.0	21.0
11 7	0 27.27	+ 2 29.5	2.318	3.162	11.0	21.2

115625 2003 UQ_{121} 10 5.8 20°.26 3°.7/ 1.6 18

8 29	1 7.55	− 3 15.7	2.155	3.004	12.3	19.4
9 8	1 4.04	− 4 15.0	2.086	3.006	9.4	19.2
9 18	0 58.77	− 5 19.2	2.041	3.008	6.3	19.0
9 28	0 52.27	− 6 22.5	2.022	3.010	3.9	18.9
10 8	0 45.25	− 7 18.9	2.032	3.013	4.4	18.9
10 18	0 38.49	− 8 2.8	2.069	3.015	7.1	19.1
10 28	0 32.74	− 8 30.5	2.132	3.018	10.2	19.3
11 7	0 28.58	− 8 40.2	2.218	3.021	12.9	19.5

30552 2001 OM_{54} 10 5.8 344°.01 8°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.22	−12 8.7	1.444	2.317	15.9	17.9
9 8	1 6.29	−13 19.0	1.381	2.307	12.8	17.7
9 18	1 0.75	−14 27.6	1.339	2.297	9.9	17.5
9 28	0 53.28	−15 24.5	1.320	2.289	8.4	17.4
10 8	0 44.96	−16 0.2	1.324	2.282	9.4	17.4
10 18	0 37.00	−16 8.4	1.352	2.275	12.3	17.6
10 28	0 30.58	−15 46.7	1.402	2.270	15.6	17.8
11 7	0 26.52	−14 56.9	1.471	2.265	18.7	18.0

469649 2004 TK_{104} 10 5.8 301°.82 0°.2/ 5.6 17

8 29	1 12.08	+ 5 9.3	2.115	2.937	13.5	21.5
9 8	1 7.74	+ 5 8.8	2.023	2.926	10.5	21.3
9 18	1 1.39	+ 4 59.5	1.953	2.914	7.0	21.1
9 28	0 53.52	+ 4 43.5	1.909	2.903	3.1	20.8
10 8	0 44.90	+ 4 24.3	1.893	2.892	1.0	20.6
10 18	0 36.41	+ 4 6.0	1.906	2.881	5.1	20.9
10 28	0 28.97	+ 3 52.8	1.947	2.870	8.9	21.1
11 7	0 23.27	+ 3 48.3	2.012	2.859	12.3	21.3

62809 2000 UE_{42} 10 5.8 17°.23 0°.6/ 5.4 18

8 29	1 11.00	+ 7 10.1	1.237	2.091	19.3	19.7
9 8	1 8.01	+ 6 37.3	1.173	2.092	15.1	19.5
9 18	1 2.08	+ 5 45.4	1.126	2.095	10.0	19.2
9 28	0 53.93	+ 4 39.4	1.102	2.097	4.4	18.9
10 8	0 44.81	+ 3 28.1	1.102	2.100	1.6	18.7
10 18	0 36.13	+ 2 21.2	1.127	2.103	7.3	19.1
10 28	0 29.25	+ 1 28.4	1.175	2.107	12.6	19.4
11 7	0 25.07	+ 0 55.6	1.245	2.111	17.0	19.7

342594 2008 UF_{302} 10 5.8 203°.92 0°.8/ 5.0 18

8 29	1 13.60	+ 4 36.5	2.250	3.068	13.0	22.1
9 8	1 8.72	+ 4 13.4	2.162	3.063	10.1	21.9
9 18	1 1.92	+ 3 40.8	2.097	3.058	6.6	21.6
9 28	0 53.72	+ 3 2.0	2.059	3.053	2.9	21.4
10 8	0 44.87	+ 2 21.2	2.049	3.047	1.4	21.3
10 18	0 36.20	+ 1 43.3	2.070	3.040	5.2	21.5
10 28	0 28.56	+ 1 13.0	2.118	3.033	8.8	21.7
11 7	0 22.60	+ 0 53.7	2.192	3.025	12.0	21.9

66413 1999 NX_{7} 10 5.8 49°.43 9°.4/14.4 18

8 29	1 14.86	+28 15.8	1.549	2.286	21.1	18.7
9 8	1 10.81	+29 20.1	1.486	2.302	18.3	18.5
9 18	1 3.84	+29 56.3	1.438	2.319	15.2	18.4
9 28	0 54.70	+30 0.0	1.410	2.336	12.1	18.2
10 8	0 44.60	+29 30.5	1.404	2.353	9.9	18.1
10 18	0 34.93	+28 32.0	1.422	2.370	9.5	18.2
10 28	0 27.04	+27 13.8	1.464	2.388	11.2	18.3
11 7	0 21.84	+25 47.6	1.530	2.406	13.9	18.5

12827 1997 AS_{7} 10 5.8 114°.19 4°.8/ 1.7 18

8 29	1 13.50	− 3 24.8	1.587	2.441	15.7	17.7
9 8	1 9.17	− 4 35.0	1.528	2.450	12.1	17.5
9 18	1 2.41	− 5 51.5	1.492	2.459	8.2	17.3
9 28	0 53.95	− 7 6.1	1.480	2.467	5.1	17.1
10 8	0 44.83	− 8 10.0	1.495	2.476	5.7	17.2
10 18	0 36.17	− 8 55.9	1.536	2.484	9.1	17.4
10 28	0 29.03	− 9 19.3	1.602	2.491	12.8	17.7
11 7	0 24.13	− 9 19.4	1.690	2.499	16.0	17.9

506546 2005 GZ_{67} 10 5.8 200°.31 0°.0/ 5.7 17

8 29	1 12.94	+ 8 58.1	1.713	2.535	16.2	22.7
9 8	1 8.81	+ 8 17.3	1.631	2.533	12.7	22.4
9 18	1 2.28	+ 7 19.2	1.570	2.530	8.5	22.2
9 28	0 53.96	+ 6 7.6	1.533	2.527	3.9	21.9
10 8	0 44.81	+ 4 49.0	1.524	2.523	1.1	21.7
10 18	0 35.91	+ 3 31.5	1.543	2.518	5.9	22.0
10 28	0 28.37	+ 2 23.4	1.589	2.513	10.4	22.3
11 7	0 22.98	+ 1 31.0	1.658	2.508	14.4	22.5

7914 1978 UW_{7} 10 5.8 57°.72 3°.6/ 9.3 18

8 29	1 10.44	+19 10.1	1.386	2.189	20.3	17.0
9 8	1 7.13	+18 28.9	1.331	2.212	16.4	16.8
9 18	1 1.17	+17 18.6	1.294	2.235	11.9	16.6
9 28	0 53.40	+15 42.3	1.280	2.259	7.1	16.4
10 8	0 45.00	+13 47.9	1.290	2.283	3.6	16.3
10 18	0 37.23	+11 47.0	1.327	2.307	5.8	16.5
10 28	0 31.20	+ 9 51.9	1.390	2.332	10.1	16.8
11 7	0 27.60	+ 8 13.0	1.477	2.356	14.1	17.1

283352 1999 VV_{64} 10 5.8 339°.46 4°.2/ 9.8 18

8 29	1 3.76	+19 10.1	1.403	2.215	19.6	20.0
9 8	1 2.37	+18 51.1	1.318	2.203	16.2	19.8
9 18	0 58.36	+18 2.4	1.250	2.192	12.1	19.5
9 28	0 52.32	+16 44.0	1.203	2.182	7.7	19.2
10 8	0 45.25	+15 0.9	1.180	2.172	4.3	19.0
10 18	0 38.39	+13 2.8	1.183	2.164	6.2	19.1
10 28	0 32.99	+11 2.9	1.210	2.157	10.7	19.4
11 7	0 29.98	+ 9 14.0	1.260	2.150	15.2	19.6

508295 2015 KM_{31} 10 5.8 60°.59 8°.8/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.72	−16 41.5	1.544	2.390	16.5	20.7
9 8	1 15.27	−17 21.8	1.506	2.411	13.3	20.6
9 18	1 6.24	−17 52.9	1.489	2.432	10.4	20.5
9 28	0 55.54	−18 6.2	1.496	2.454	8.8	20.4
10 8	0 44.43	−17 55.9	1.529	2.476	9.4	20.5
10 18	0 34.19	−17 20.1	1.587	2.498	11.7	20.7
10 28	0 25.87	−16 20.2	1.669	2.520	14.4	20.9
11 7	0 20.11	−15 0.5	1.772	2.542	16.9	21.2

284630 2007 VO_{186} 10 5.8 15°.93 7°.9/ 1.1 18

8 29	1 15.33	−12 21.2	1.306	2.175	17.6	19.7
9 8	1 11.01	−12 54.3	1.257	2.181	14.0	19.5
9 18	1 3.81	−13 22.3	1.228	2.188	10.4	19.3
9 28	0 54.60	−13 36.3	1.221	2.196	8.1	19.2
10 8	0 44.68	−13 29.1	1.238	2.205	8.7	19.3
10 18	0 35.44	−12 57.1	1.279	2.216	11.6	19.5
10 28	0 28.12	−12 0.5	1.343	2.227	15.1	19.7
11 7	0 23.47	−10 42.7	1.426	2.239	18.2	20.0

333959 2000 CW_{136} 10 5.8 87°.14 2°.9/ 8.3 16

8 29	1 19.12	+14 26.8	1.727	2.517	17.4	21.9
9 8	1 13.20	+14 30.7	1.672	2.548	13.9	21.7
9 18	1 4.91	+14 16.4	1.638	2.579	9.8	21.6
9 28	0 55.00	+13 45.0	1.627	2.609	5.6	21.4
10 8	0 44.58	+13 0.7	1.645	2.638	2.9	21.3
10 18	0 34.76	+12 9.5	1.690	2.667	5.3	21.5
10 28	0 26.58	+11 18.5	1.763	2.695	9.1	21.8
11 7	0 20.71	+10 34.4	1.861	2.723	12.5	22.1

251280 2006 WD_{69} 10 5.8 17°.15 0°.9/ 6.8 18

8 29	1 7.91	+11 4.9	1.817	2.637	15.5	20.6
9 8	1 4.74	+10 33.0	1.740	2.639	12.2	20.3
9 18	0 59.47	+ 9 44.0	1.684	2.641	8.3	20.1
9 28	0 52.67	+ 8 40.9	1.653	2.644	4.1	19.9
10 8	0 45.20	+ 7 29.4	1.648	2.647	1.1	19.7
10 18	0 38.00	+ 6 16.5	1.672	2.650	5.1	20.0
10 28	0 32.01	+ 5 9.9	1.722	2.654	9.2	20.2
11 7	0 27.92	+ 4 15.7	1.796	2.657	12.9	20.5

385786 2006 BC_{75} 10 5.8 3°.19 3°.0/ 3.4 18

8 29	1 11.33	+ 0 37.5	1.527	2.381	16.2	21.3
9 8	1 7.72	− 0 6.0	1.458	2.381	12.5	21.0
9 18	1 1.61	− 0 59.6	1.410	2.381	8.2	20.8
9 28	0 53.67	− 1 57.1	1.387	2.381	4.0	20.6
10 8	0 44.92	− 2 50.5	1.389	2.381	3.8	20.6
10 18	0 36.54	− 3 32.6	1.418	2.382	7.8	20.8
10 28	0 29.63	− 3 57.5	1.471	2.383	12.1	21.1
11 7	0 25.00	− 4 2.5	1.546	2.385	15.8	21.3

363003 2013 CR_{182} 10 5.8 282°.88 0°.7/ 6.4 18

8 29	1 10.99	+ 8 57.5	1.895	2.714	15.0	21.1
9 8	1 7.09	+ 8 42.5	1.811	2.710	11.8	20.9
9 18	1 1.04	+ 8 13.6	1.748	2.706	8.0	20.6
9 28	0 53.40	+ 7 33.2	1.709	2.701	3.8	20.4
10 8	0 44.99	+ 6 45.7	1.698	2.697	1.0	20.2
10 18	0 36.79	+ 5 56.9	1.715	2.692	5.2	20.5
10 28	0 29.77	+ 5 13.2	1.759	2.688	9.3	20.7
11 7	0 24.67	+ 4 39.7	1.827	2.684	12.9	20.9

372347 2009 FK_{31} 10 5.8 59°.92 2°.6/ 3.2 17

8 29	1 10.12	+10 5.3	1.183	2.033	20.3	19.9
9 8	1 6.97	+ 7 24.5	1.141	2.062	15.3	19.7
9 18	1 1.05	+ 4 17.8	1.120	2.091	9.7	19.5
9 28	0 53.32	+ 0 59.9	1.124	2.120	4.1	19.3
10 8	0 45.07	− 2 10.4	1.156	2.150	3.9	19.3
10 18	0 37.61	− 4 55.9	1.215	2.179	8.9	19.7
10 28	0 32.04	− 7 5.1	1.300	2.208	13.6	20.1
11 7	0 28.99	− 8 34.5	1.405	2.237	17.5	20.4

395140 2010 BL_{93} 10 5.8 303°.69 3°.3/12.7 18

8 29	1 2.67	+24 44.0	4.255	4.960	9.0	20.5
9 8	0 59.60	+24 39.2	4.149	4.954	7.7	20.4
9 18	0 55.54	+24 22.8	4.064	4.948	6.1	20.3
9 28	0 50.80	+23 54.8	4.005	4.941	4.6	20.2
10 8	0 45.74	+23 16.3	3.973	4.935	3.5	20.1
10 18	0 40.75	+22 29.2	3.971	4.929	3.5	20.1
10 28	0 36.26	+21 36.5	3.998	4.923	4.7	20.2
11 7	0 32.60	+20 41.5	4.053	4.917	6.2	20.3

273702 2007 EG_{43} 10 5.8 155°.17 0°.8/ 5.0 17

8 29	1 13.08	+ 5 46.1	1.928	2.752	14.6	21.8
9 8	1 8.53	+ 5 7.4	1.853	2.758	11.3	21.6
9 18	1 1.88	+ 4 16.5	1.801	2.763	7.4	21.4
9 28	0 53.72	+ 3 17.6	1.774	2.768	3.2	21.2
10 8	0 44.93	+ 2 16.4	1.776	2.773	1.6	21.1
10 18	0 36.44	+ 1 19.3	1.806	2.777	5.7	21.4
10 28	0 29.19	+ 0 32.5	1.864	2.781	9.6	21.6
11 7	0 23.86	+ 0 0.1	1.945	2.784	13.0	21.8

282722 2006 DD_{15} 10 5.8 68°.76 1°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.55	+ 3 25.8	1.604	2.445	16.2	20.6
9 8	1 9.14	+ 2 55.3	1.546	2.461	12.4	20.4
9 18	1 2.36	+ 2 13.9	1.509	2.476	8.1	20.2
9 28	0 53.93	+ 1 26.5	1.496	2.491	3.6	20.0
10 8	0 44.88	+ 0 39.9	1.511	2.507	2.3	19.9
10 18	0 36.33	+ 0 0.3	1.552	2.522	6.6	20.3
10 28	0 29.30	− 0 26.7	1.619	2.538	10.7	20.5
11 7	0 24.47	− 0 38.0	1.709	2.553	14.3	20.8

394473 2007 TC_{18} 10 5.8 337°.95 0°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.61	+ 4 51.6	1.574	2.414	16.5	20.4
9 8	1 8.78	+ 4 50.8	1.495	2.408	12.9	20.1
9 18	1 2.40	+ 4 38.7	1.436	2.402	8.6	19.9
9 28	0 54.07	+ 4 18.3	1.401	2.396	3.8	19.6
10 8	0 44.82	+ 3 54.2	1.393	2.391	1.3	19.4
10 18	0 35.81	+ 3 32.2	1.410	2.386	6.3	19.7
10 28	0 28.23	+ 3 17.8	1.454	2.382	10.9	20.0
11 7	0 22.96	+ 3 15.4	1.520	2.379	14.9	20.2

321379 2009 OY_{18} 10 5.8 60°.06 3°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.38	+17 51.5	2.186	2.957	14.7	20.8
9 8	1 7.17	+18 8.7	2.101	2.960	12.1	20.6
9 18	1 0.99	+18 9.5	2.036	2.962	9.1	20.4
9 28	0 53.35	+17 53.5	1.996	2.965	6.0	20.2
10 8	0 45.04	+17 22.8	1.983	2.968	3.9	20.1
10 18	0 36.92	+16 41.0	1.998	2.971	5.0	20.2
10 28	0 29.88	+15 53.9	2.040	2.974	7.9	20.4
11 7	0 24.60	+15 7.5	2.109	2.977	10.9	20.6

337952 2002 AK_{33} 10 5.8 9°.33 1°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.82	+ 3 33.5	1.397	2.250	17.6	20.4
9 8	1 8.33	+ 3 13.8	1.330	2.251	13.6	20.2
9 18	1 2.14	+ 2 41.8	1.283	2.252	8.9	19.9
9 28	0 53.95	+ 2 2.1	1.259	2.254	3.9	19.6
10 8	0 44.88	+ 1 21.6	1.260	2.257	2.3	19.5
10 18	0 36.20	+ 0 47.4	1.287	2.260	7.2	19.8
10 28	0 29.15	+ 0 25.9	1.338	2.264	11.9	20.1
11 7	0 24.56	+ 0 21.0	1.410	2.268	16.0	20.4

318460 2005 EF_{20} 10 5.8 84°.50 2°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.10	+12 16.8	1.433	2.248	19.2	20.4
9 8	1 13.14	+12 37.2	1.369	2.261	15.3	20.2
9 18	1 5.29	+12 39.3	1.324	2.274	10.8	20.0
9 28	0 55.35	+12 23.5	1.302	2.287	6.0	19.7
10 8	0 44.53	+11 53.5	1.305	2.300	2.8	19.6
10 18	0 34.22	+11 15.4	1.335	2.313	6.1	19.8
10 28	0 25.72	+10 37.1	1.390	2.326	10.6	20.1
11 7	0 19.89	+10 5.7	1.469	2.339	14.7	20.4

67402 2000 PK_{24} 10 5.8 33°.69 5°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.20	− 1 1.4	0.913	1.805	21.2	18.3
9 8	1 6.99	− 2 26.4	0.879	1.822	16.1	18.1
9 18	1 1.44	− 4 2.3	0.864	1.841	10.7	17.9
9 28	0 53.61	− 5 36.0	0.868	1.861	6.2	17.7
10 8	0 45.05	− 6 53.4	0.895	1.882	6.9	17.8
10 18	0 37.39	− 7 44.0	0.943	1.904	11.3	18.2
10 28	0 31.96	− 8 2.8	1.012	1.927	16.0	18.5
11 7	0 29.50	− 7 50.7	1.099	1.951	19.9	18.9

103258 2000 AH_{20} 10 5.8 7°.64 4°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.40	− 1 39.3	1.110	1.988	19.4	18.4
9 8	1 8.56	− 2 12.4	1.054	1.988	14.9	18.1
9 18	1 2.55	− 2 54.3	1.015	1.990	9.9	17.9
9 28	0 54.20	− 3 37.1	0.998	1.992	5.3	17.6
10 8	0 44.85	− 4 11.3	1.005	1.996	5.2	17.6
10 18	0 36.05	− 4 29.1	1.034	2.000	9.7	17.9
10 28	0 29.23	− 4 25.3	1.086	2.006	14.6	18.2
11 7	0 25.30	− 3 58.8	1.156	2.013	18.8	18.5

411542 2011 BQ_{136} 10 5.8 37°.78 4°.4/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.23	+19 24.5	2.243	3.005	14.7	21.9
9 8	1 7.03	+19 49.9	2.159	3.009	12.2	21.7
9 18	1 0.89	+19 58.7	2.095	3.013	9.3	21.5
9 28	0 53.33	+19 50.3	2.056	3.018	6.4	21.4
10 8	0 45.09	+19 26.0	2.042	3.022	4.5	21.2
10 18	0 37.04	+18 49.2	2.057	3.027	5.3	21.3
10 28	0 30.06	+18 5.2	2.100	3.032	7.8	21.5
11 7	0 24.80	+17 20.1	2.168	3.037	10.7	21.7

293924 2007 SX_{22} 10 5.8 332°.54 3°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.47	+12 30.7	1.482	2.303	18.3	20.7
9 8	1 9.08	+13 9.9	1.395	2.290	14.9	20.5
9 18	1 2.88	+13 33.2	1.327	2.277	10.8	20.2
9 28	0 54.42	+13 39.6	1.281	2.265	6.4	19.9
10 8	0 44.75	+13 30.6	1.260	2.254	3.6	19.7
10 18	0 35.18	+13 10.3	1.265	2.244	6.3	19.9
10 28	0 27.09	+12 45.4	1.294	2.234	10.8	20.1
11 7	0 21.52	+12 23.3	1.346	2.226	15.1	20.3

360075 2013 AD_{132} 10 5.8 89°.33 2°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.80	− 4 41.4	4.413	5.248	6.8	20.7
9 8	0 58.77	− 5 22.4	4.341	5.252	5.1	20.6
9 18	0 54.92	− 6 4.9	4.294	5.257	3.5	20.5
9 28	0 50.52	− 6 46.3	4.277	5.261	2.2	20.4
10 8	0 45.89	− 7 24.0	4.289	5.266	2.5	20.4
10 18	0 41.36	− 7 55.7	4.331	5.270	4.0	20.6
10 28	0 37.27	− 8 19.6	4.402	5.275	5.6	20.7
11 7	0 33.92	− 8 34.4	4.498	5.279	7.2	20.8

72912 2001 OA_{84} 10 5.8 352°.97 6°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.67	−10 5.5	1.368	2.233	17.1	18.2
9 8	1 11.40	−10 28.0	1.304	2.228	13.6	18.0
9 18	1 4.22	−10 48.1	1.260	2.223	9.8	17.8
9 28	0 54.90	−10 57.9	1.239	2.220	7.1	17.6
10 8	0 44.67	−10 50.1	1.242	2.217	7.5	17.6
10 18	0 34.91	−10 20.6	1.270	2.215	10.7	17.8
10 28	0 26.94	− 9 28.2	1.321	2.215	14.6	18.0
11 7	0 21.63	− 8 15.3	1.392	2.215	18.1	18.3

393034 2013 AT_{8} 10 5.8 216°.13 3°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.06	− 3 19.1	1.879	2.726	13.9	20.8
9 8	1 7.81	− 4 4.1	1.808	2.726	10.7	20.6
9 18	1 1.45	− 4 54.1	1.760	2.726	7.2	20.4
9 28	0 53.57	− 5 43.3	1.737	2.726	4.3	20.3
10 8	0 45.04	− 6 25.1	1.742	2.726	4.6	20.3
10 18	0 36.81	− 6 54.1	1.774	2.726	7.7	20.5
10 28	0 29.81	− 7 6.2	1.832	2.726	11.1	20.7
11 7	0 24.75	− 7 0.1	1.913	2.726	14.3	20.9

387760 2003 SF_{126} 10 5.8 11°.67 2°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.52	+ 0 55.0	1.384	2.246	17.1	20.7
9 8	1 6.51	+ 0 15.9	1.322	2.249	13.1	20.4
9 18	1 0.90	− 0 33.9	1.280	2.252	8.6	20.2
9 28	0 53.40	− 1 27.7	1.261	2.256	4.2	19.9
10 8	0 45.09	− 2 17.4	1.268	2.261	3.7	19.9
10 18	0 37.21	− 2 55.5	1.299	2.266	8.0	20.2
10 28	0 30.91	− 3 16.0	1.355	2.273	12.4	20.5
11 7	0 26.99	− 3 16.4	1.431	2.280	16.3	20.7

129065 2004 VV_{27} 10 5.8 8°.10 3°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.23	+19 6.9	1.975	2.755	15.8	19.3
9 8	1 4.19	+19 1.6	1.892	2.756	13.0	19.1
9 18	0 59.12	+18 36.0	1.829	2.758	9.8	19.0
9 28	0 52.56	+17 50.3	1.788	2.759	6.4	18.8
10 8	0 45.32	+16 47.8	1.774	2.761	4.0	18.6
10 18	0 38.31	+15 34.0	1.788	2.764	5.1	18.7
10 28	0 32.43	+14 16.6	1.828	2.767	8.3	18.9
11 7	0 28.37	+13 3.2	1.894	2.771	11.6	19.1

332154 2005 YV_{80} 10 5.8 56°.07 4°.7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.92	− 2 59.8	1.415	2.277	16.9	20.4
9 8	1 8.84	− 4 3.7	1.370	2.296	12.9	20.2
9 18	1 2.22	− 5 13.4	1.345	2.315	8.6	20.1
9 28	0 53.89	− 6 20.5	1.345	2.334	5.2	19.9
10 8	0 44.99	− 7 15.9	1.370	2.354	5.6	20.0
10 18	0 36.72	− 7 52.9	1.421	2.374	9.1	20.3
10 28	0 30.14	− 8 7.5	1.496	2.394	12.9	20.5
11 7	0 25.92	− 7 59.3	1.592	2.414	16.2	20.8

63303 2001 EL_{20} 10 5.8 100°.19 0°.9/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.75	+10 8.6	1.616	2.433	17.2	20.2
9 8	1 10.86	+ 9 44.8	1.556	2.453	13.5	20.0
9 18	1 3.52	+ 9 4.2	1.515	2.472	9.1	19.8
9 28	0 54.49	+ 8 9.9	1.499	2.490	4.4	19.5
10 8	0 44.82	+ 7 8.2	1.510	2.508	1.1	19.4
10 18	0 35.67	+ 6 6.3	1.549	2.526	5.6	19.7
10 28	0 28.10	+ 5 11.8	1.614	2.543	10.0	20.0
11 7	0 22.83	+ 4 30.4	1.703	2.560	13.7	20.3

455142 2015 VV_{113} 10 5.8 307°.80 4°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.44	− 4 49.4	2.054	2.904	12.8	20.6
9 8	1 5.78	− 5 34.7	1.968	2.887	9.9	20.4
9 18	1 0.14	− 6 24.3	1.905	2.870	6.8	20.2
9 28	0 53.03	− 7 12.5	1.868	2.854	4.4	20.0
10 8	0 45.20	− 7 53.2	1.858	2.837	4.9	20.0
10 18	0 37.51	− 8 20.9	1.875	2.821	7.8	20.2
10 28	0 30.86	− 8 31.7	1.918	2.806	11.0	20.3
11 7	0 25.94	− 8 24.0	1.984	2.790	14.1	20.5

22877 Reginamiller 10 5.8 285°.30 3°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.61	+15 52.5	1.487	2.296	18.8	18.2
9 8	1 8.44	+15 56.4	1.397	2.283	15.4	18.0
9 18	1 2.47	+15 37.5	1.325	2.269	11.4	17.7
9 28	0 54.25	+14 55.4	1.274	2.256	6.9	17.4
10 8	0 44.84	+13 53.2	1.249	2.242	3.7	17.2
10 18	0 35.53	+12 38.1	1.249	2.229	6.3	17.3
10 28	0 27.71	+11 20.0	1.275	2.215	10.9	17.5
11 7	0 22.40	+10 9.4	1.323	2.202	15.4	17.8

489333 2006 TZ_{96} 10 5.8 335.°72 0.°6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.82	+10 10.2	1.099	1.964	20.5	20.9
9 8	1 3.02	+ 9 43.4	1.022	1.947	16.3	20.6
9 18	0 59.16	+ 8 50.8	0.962	1.931	11.2	20.2
9 28	0 52.84	+ 7 35.5	0.922	1.916	5.3	19.9
10 8	0 45.23	+ 6 5.9	0.904	1.903	1.3	19.6
10 18	0 37.80	+ 4 34.3	0.910	1.891	7.5	19.9
10 28	0 32.11	+ 3 14.0	0.937	1.881	13.4	20.2
11 7	0 29.26	+ 2 15.5	0.984	1.872	18.6	20.5

205068 1999 RN_{94} 10 5.8 351.°46 3.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.63	+ 1 55.5	1.118	2.002	18.7	19.1
9 8	1 1.84	+ 1 1.6	1.052	1.991	14.4	18.8
9 18	0 58.18	− 0 8.5	1.004	1.982	9.5	18.5
9 28	0 52.31	− 1 26.6	0.978	1.974	4.6	18.2
10 8	0 45.40	− 2 41.5	0.975	1.968	4.5	18.2
10 18	0 38.81	− 3 41.9	0.995	1.964	9.4	18.5
10 28	0 33.90	− 4 19.0	1.036	1.962	14.4	18.8
11 7	0 31.61	− 4 28.7	1.095	1.962	18.9	19.0

305267 2007 YO_{36} 10 5.8 316.°30 5.°3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.13	+18 39.4	1.676	2.466	17.8	20.5
9 8	1 7.10	+19 11.1	1.578	2.446	14.9	20.3
9 18	1 1.50	+19 22.7	1.498	2.428	11.5	20.0
9 28	0 53.82	+19 12.2	1.441	2.409	7.9	19.8
10 8	0 44.97	+18 40.2	1.408	2.392	5.4	19.6
10 18	0 36.12	+17 50.7	1.400	2.374	6.6	19.6
10 28	0 28.55	+16 51.3	1.418	2.358	10.2	19.8
11 7	0 23.25	+15 51.3	1.460	2.341	14.1	20.0

521959 2015 VM_{158} 10 5.8 281.°75 6.°4/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.37	+28 2.5	2.356	3.065	15.4	21.0
9 8	1 5.68	+28 19.1	2.263	3.064	13.3	20.9
9 18	1 0.06	+28 14.4	2.188	3.063	11.0	20.7
9 28	0 52.99	+27 46.7	2.136	3.062	8.6	20.6
10 8	0 45.23	+26 56.6	2.108	3.061	6.8	20.5
10 18	0 37.64	+25 47.5	2.108	3.060	6.6	20.4
10 28	0 31.09	+24 25.7	2.135	3.059	8.2	20.5
11 7	0 26.25	+22 58.9	2.187	3.058	10.5	20.7

369497 2010 UN_{105} 10 5.8 48.°59 1.°1/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.28	+ 6 35.7	1.071	1.933	21.1	20.5
9 8	1 9.75	+ 5 50.6	1.032	1.956	16.2	20.3
9 18	1 3.10	+ 4 46.6	1.010	1.980	10.6	20.1
9 28	0 54.33	+ 3 31.3	1.010	2.005	4.5	19.8
10 8	0 44.92	+ 2 15.3	1.033	2.031	2.1	19.8
10 18	0 36.36	+ 1 9.2	1.081	2.057	7.8	20.2
10 28	0 29.94	+ 0 21.5	1.152	2.083	12.9	20.6
11 7	0 26.39	− 0 3.7	1.243	2.109	17.1	20.9

481869 2008 YB_{90} 10 5.8 59.°19 4.°5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.83	+18 54.0	1.695	2.480	17.8	20.9
9 8	1 7.99	+19 3.3	1.625	2.491	14.7	20.8
9 18	1 1.75	+18 50.5	1.573	2.503	11.0	20.6
9 28	0 53.76	+18 15.6	1.545	2.515	7.2	20.4
10 8	0 45.03	+17 21.6	1.541	2.527	4.6	20.3
10 18	0 36.68	+16 14.9	1.564	2.540	5.8	20.4
10 28	0 29.76	+15 3.7	1.614	2.552	9.2	20.6
11 7	0 25.05	+13 56.7	1.688	2.565	12.7	20.8

26818 1987 QM 10 5.8 16.°64 10.°7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.84	+23 29.3	1.280	2.057	22.9	16.2
9 8	1 13.78	+25 41.5	1.221	2.068	19.8	16.0
9 18	1 6.26	+27 29.8	1.179	2.080	16.3	15.8
9 28	0 56.00	+28 46.4	1.156	2.093	13.1	15.7
10 8	0 44.39	+29 26.8	1.155	2.109	11.0	15.6
10 18	0 33.14	+29 32.0	1.177	2.126	11.1	15.7
10 28	0 23.99	+29 9.6	1.222	2.144	13.1	15.9
11 7	0 18.07	+28 31.4	1.287	2.164	15.9	16.1

19946 1981 EB_{35} 10 5.8 283.°53 0.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.51	+ 7 50.1	1.421	2.264	17.8	18.6
9 8	1 7.43	+ 7 1.5	1.344	2.258	13.9	18.3
9 18	1 1.65	+ 5 53.2	1.286	2.253	9.3	18.0
9 28	0 53.82	+ 4 30.0	1.252	2.247	4.1	17.7
10 8	0 45.01	+ 3 0.6	1.243	2.241	1.7	17.5
10 18	0 36.48	+ 1 35.1	1.261	2.236	7.0	17.9
10 28	0 29.48	+ 0 23.5	1.303	2.230	12.0	18.1
11 7	0 24.93	− 0 27.4	1.368	2.225	16.4	18.4

478986 2012 XQ_{120} 10 5.8 336.°10 2.°1/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.37	+11 14.0	1.236	2.086	19.5	20.6
9 8	1 4.01	+11 17.3	1.151	2.066	15.7	20.3
9 18	0 59.74	+10 59.2	1.085	2.047	11.1	20.0
9 28	0 53.12	+10 20.6	1.039	2.030	5.9	19.7
10 8	0 45.20	+ 9 26.3	1.016	2.013	2.1	19.4
10 18	0 37.39	+ 8 24.7	1.016	1.998	6.7	19.6
10 28	0 31.15	+ 7 26.1	1.039	1.985	12.2	19.9
11 7	0 27.59	+ 6 40.2	1.083	1.973	17.1	20.2

439572 2014 DP_{90} 10 5.8 80.°94 0.°4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.51	+ 8 47.4	1.767	2.594	15.6	21.0
9 8	1 5.91	+ 7 45.4	1.701	2.607	12.0	20.8
9 18	1 0.21	+ 6 26.7	1.657	2.620	7.9	20.5
9 28	0 53.04	+ 4 56.7	1.639	2.633	3.5	20.3
10 8	0 45.28	+ 3 23.0	1.648	2.646	1.3	20.2
10 18	0 37.91	+ 1 54.1	1.685	2.659	5.7	20.5
10 28	0 31.84	+ 0 37.8	1.749	2.671	9.8	20.8
11 7	0 27.71	− 0 20.7	1.838	2.684	13.3	21.0

398557 2011 UE_{399} 10 5.8 299.°74 3.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.89	− 1 34.7	1.886	2.732	13.9	21.2
9 8	1 6.98	− 2 19.3	1.810	2.728	10.7	20.9
9 18	1 0.96	− 3 10.6	1.757	2.724	7.1	20.7
9 28	0 53.41	− 4 3.1	1.729	2.720	3.9	20.5
10 8	0 45.17	− 4 50.3	1.728	2.716	4.0	20.5
10 18	0 37.18	− 5 26.3	1.755	2.712	7.3	20.7
10 28	0 30.38	− 5 46.5	1.808	2.708	10.9	20.9
11 7	0 25.47	− 5 48.8	1.884	2.704	14.1	21.1

482207 2010 VU_{180} 10 5.9 253.°45 2.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.50	+15 32.1	2.315	3.099	13.6	21.7
9 8	1 4.87	+15 15.7	2.222	3.094	11.0	21.5
9 18	0 59.45	+14 43.1	2.150	3.088	8.0	21.3
9 28	0 52.72	+13 55.5	2.103	3.083	4.7	21.1
10 8	0 45.36	+12 56.2	2.084	3.077	2.4	20.9
10 18	0 38.16	+11 50.0	2.094	3.072	4.3	21.0
10 28	0 31.89	+10 43.2	2.132	3.066	7.6	21.2
11 7	0 27.20	+ 9 41.8	2.197	3.060	10.7	21.4

328676 2009 SS_{296} 10 5.9 241.°65 1.°3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.85	+ 1 54.3	2.415	3.239	12.0	20.8
9 8	1 7.26	+ 1 39.8	2.329	3.234	9.2	20.6
9 18	1 0.94	+ 1 18.8	2.266	3.229	6.1	20.4
9 28	0 53.36	+ 0 54.5	2.230	3.224	2.7	20.2
10 8	0 45.20	+ 0 30.5	2.223	3.219	1.8	20.1
10 18	0 37.21	+ 0 10.7	2.246	3.213	5.1	20.3
10 28	0 30.15	− 0 1.4	2.296	3.208	8.4	20.5
11 7	0 24.62	− 0 3.2	2.372	3.202	11.3	20.7

256620 2007 VD_{165} 10 5.9 121.°89 1.°4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.94	+12 1.8	1.510	2.329	18.1	20.8
9 8	1 9.82	+11 35.8	1.440	2.337	14.4	20.5
9 18	1 3.08	+10 49.3	1.390	2.345	9.9	20.3
9 28	0 54.41	+ 9 45.2	1.363	2.353	5.0	20.1
10 8	0 44.92	+ 8 29.8	1.362	2.360	1.5	19.8
10 18	0 35.84	+ 7 11.9	1.389	2.368	5.9	20.1
10 28	0 28.37	+ 6 0.7	1.441	2.374	10.6	20.4
11 7	0 23.32	+ 5 3.7	1.517	2.381	14.7	20.7

157066 2003 SL_{247} 10 5.9 57.°80 0.°6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.34	+ 5 45.4	2.099	2.925	13.5	19.7
9 8	1 5.43	+ 5 13.8	2.035	2.941	10.3	19.5
9 18	0 59.72	+ 4 31.7	1.993	2.957	6.8	19.4
9 28	0 52.78	+ 3 43.0	1.978	2.972	2.9	19.1
10 8	0 45.37	+ 2 52.6	1.991	2.988	1.3	19.1
10 18	0 38.29	+ 2 5.9	2.032	3.004	5.0	19.3
10 28	0 32.31	+ 1 27.7	2.100	3.020	8.5	19.6
11 7	0 27.98	+ 1 1.5	2.194	3.037	11.6	19.8

55258 2001 RX_{120} 10 5.9 160.°26 2.°1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.38	+ 1 44.0	2.052	2.888	13.4	19.8
9 8	1 6.38	+ 0 59.4	1.977	2.890	10.2	19.6
9 18	1 0.45	+ 0 6.0	1.924	2.891	6.7	19.4
9 28	0 53.16	− 0 51.4	1.898	2.892	3.1	19.2
10 8	0 45.27	− 1 46.8	1.900	2.893	2.8	19.2
10 18	0 37.63	− 2 34.6	1.931	2.894	6.2	19.4
10 28	0 31.09	− 3 9.7	1.988	2.895	9.7	19.6
11 7	0 26.28	− 3 29.2	2.069	2.896	12.8	19.8

490502 2009 UA_{38} 10 5.9 303.°60 1.°8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.64	+13 51.0	2.192	2.991	13.9	21.4
9 8	1 3.62	+13 25.4	2.089	2.973	11.1	21.2
9 18	0 58.74	+12 42.9	2.007	2.954	7.9	20.9
9 28	0 52.45	+11 45.0	1.951	2.936	4.4	20.7
10 8	0 45.44	+10 35.5	1.922	2.919	1.8	20.5
10 18	0 38.51	+ 9 20.2	1.922	2.901	4.5	20.6
10 28	0 32.50	+ 8 6.0	1.949	2.883	8.2	20.8
11 7	0 28.09	+ 6 59.5	2.002	2.866	11.6	21.0

149211 2002 QN_{28} 10 5.9 123.°50 4.°6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.03	− 3 15.4	1.585	2.437	15.9	20.3
9 8	1 10.38	− 4 20.0	1.527	2.447	12.2	20.1
9 18	1 3.28	− 5 30.9	1.490	2.456	8.2	19.9
9 28	0 54.44	− 6 40.0	1.478	2.466	5.0	19.7
10 8	0 44.93	− 7 38.9	1.492	2.474	5.5	19.8
10 18	0 35.90	− 8 20.5	1.534	2.483	8.9	20.0
10 28	0 28.42	− 8 40.5	1.600	2.491	12.6	20.3
11 7	0 23.23	− 8 37.9	1.688	2.499	15.9	20.5

173406 2000 EG_{16} 10 5.9 336°.09 2°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.06	+12 29.3	1.696	2.506	16.8	19.9
9 8	1 9.09	+12 52.8	1.612	2.501	13.6	19.7
9 18	1 2.63	+13 0.8	1.548	2.496	9.7	19.5
9 28	0 54.27	+12 53.3	1.507	2.491	5.6	19.2
10 8	0 44.95	+12 32.7	1.492	2.487	2.9	19.0
10 18	0 35.81	+12 3.4	1.504	2.483	5.6	19.2
10 28	0 28.02	+11 31.9	1.543	2.479	9.7	19.4
11 7	0 22.45	+11 4.7	1.605	2.476	13.6	19.7

121202 1999 NG_{46} 10 5.9 41°.85 2°.9/ 3.5 18

8 29	1 10.84	+ 2 53.5	1.227	2.091	18.8	18.3
9 8	1 7.50	+ 1 47.4	1.189	2.116	14.2	18.1
9 18	1 1.44	+ 0 28.5	1.170	2.143	9.2	17.9
9 28	0 53.59	− 0 54.6	1.175	2.170	4.3	17.7
10 8	0 45.20	− 2 11.3	1.204	2.197	3.8	17.8
10 18	0 37.55	− 3 12.7	1.258	2.225	8.2	18.1
10 28	0 31.73	− 3 52.3	1.336	2.254	12.6	18.4
11 7	0 28.40	− 4 8.3	1.435	2.283	16.3	18.8

82512 2001 OY_{49} 10 5.9 310°.83 0°.4/ 6.2 18

8 29	1 9.07	+ 8 58.9	1.843	2.668	15.1	19.5
9 8	1 5.73	+ 8 31.3	1.758	2.661	11.9	19.3
9 18	1 0.24	+ 7 48.5	1.694	2.654	8.0	19.0
9 28	0 53.14	+ 6 53.3	1.654	2.647	3.7	18.8
10 8	0 45.27	+ 5 51.2	1.642	2.640	0.9	18.5
10 18	0 37.60	+ 4 48.7	1.657	2.634	5.4	18.8
10 28	0 31.09	+ 3 52.9	1.699	2.628	9.6	19.1
11 7	0 26.50	+ 3 9.7	1.765	2.622	13.3	19.3

352979 2009 BJ_{75} 10 5.9 284°.56 7°.2/29.7 18

8 29	1 15.27	−12 23.9	1.797	2.648	14.4	20.7
9 8	1 10.64	−13 17.8	1.717	2.629	11.5	20.5
9 18	1 3.58	−14 10.0	1.659	2.611	8.8	20.3
9 28	0 54.66	−14 52.6	1.625	2.593	7.3	20.2
10 8	0 44.85	−15 17.9	1.618	2.574	8.1	20.2
10 18	0 35.25	−15 20.4	1.636	2.556	10.8	20.3
10 28	0 26.97	−14 57.8	1.679	2.537	13.9	20.4
11 7	0 20.86	−14 11.0	1.742	2.519	16.9	20.6

158671 2003 EU_{59} 10 5.9 240°.36 6°.6/30.9 18

8 29	1 22.74	−13 0.6	1.969	2.799	14.1	20.7
9 8	1 16.16	−13 32.8	1.885	2.785	11.3	20.5
9 18	1 7.11	−14 1.5	1.823	2.771	8.5	20.3
9 28	0 56.21	−14 19.6	1.788	2.756	6.7	20.2
10 8	0 44.44	−14 21.2	1.781	2.740	7.3	20.2
10 18	0 32.93	−14 2.1	1.802	2.724	9.8	20.3
10 28	0 22.81	−13 21.3	1.850	2.707	12.9	20.5
11 7	0 14.90	−12 20.3	1.920	2.690	15.8	20.6

322051 2010 VJ_{62} 10 5.9 191°.27 7°.0/16.1 18

8 29	1 10.45	+33 0.6	2.774	3.430	14.3	20.5
9 8	1 6.31	+33 17.9	2.675	3.429	12.7	20.4
9 18	1 0.39	+33 14.7	2.594	3.428	10.8	20.2
9 28	0 53.15	+32 48.8	2.534	3.426	8.9	20.1
10 8	0 45.28	+32 0.4	2.500	3.425	7.4	20.0
10 18	0 37.56	+30 51.8	2.492	3.422	7.0	20.0
10 28	0 30.80	+29 28.2	2.512	3.420	7.9	20.0
11 7	0 25.60	+27 56.5	2.558	3.417	9.6	20.1

283825 2003 TE_{9} 10 5.9 40°.85 8°.0/14.2 18

8 29	1 9.79	+27 53.3	1.456	2.211	21.6	19.8
9 8	1 6.89	+28 11.3	1.397	2.229	18.5	19.6
9 18	1 1.23	+27 57.1	1.353	2.249	15.0	19.4
9 28	0 53.59	+27 8.3	1.328	2.269	11.4	19.3
10 8	0 45.18	+25 47.7	1.326	2.290	8.6	19.2
10 18	0 37.30	+24 3.1	1.348	2.311	8.2	19.2
10 28	0 31.15	+22 6.3	1.395	2.333	10.4	19.4
11 7	0 27.54	+20 10.6	1.466	2.355	13.5	19.7

478613 2012 TB_{157} 10 5.9 318°.95 1°.5/ 4.9 16

8 29	1 15.20	+ 1 14.1	1.378	2.231	17.8	21.4
9 8	1 11.49	+ 1 27.1	1.286	2.207	14.0	21.1
9 18	1 4.71	+ 1 32.8	1.214	2.183	9.4	20.7
9 28	0 55.39	+ 1 34.4	1.164	2.159	4.3	20.4
10 8	0 44.62	+ 1 36.7	1.139	2.136	2.3	20.2
10 18	0 33.84	+ 1 44.6	1.140	2.114	7.7	20.5
10 28	0 24.60	+ 2 3.0	1.165	2.093	13.0	20.7
11 7	0 18.09	+ 2 35.0	1.211	2.073	17.7	20.9

436480 2011 EY_{13} 10 5.9 239°.47 0°.5/ 6.3 17

8 29	1 13.00	+ 9 16.7	1.766	2.585	15.9	22.3
9 8	1 8.94	+ 8 52.4	1.676	2.575	12.6	22.0
9 18	1 2.48	+ 8 11.9	1.607	2.565	8.6	21.8
9 28	0 54.20	+ 7 17.9	1.562	2.554	4.0	21.5
10 8	0 44.99	+ 6 15.6	1.545	2.543	1.0	21.2
10 18	0 35.94	+ 5 11.9	1.555	2.532	5.7	21.5
10 28	0 28.15	+ 4 14.5	1.593	2.520	10.2	21.8
11 7	0 22.49	+ 3 29.8	1.654	2.508	14.1	22.0

92300 Hagelin 10 5.9 102°.60 3°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.68	+15 3.0	1.422	2.229	19.6	20.0
9 8	1 12.05	+14 55.5	1.360	2.246	15.8	19.8
9 18	1 4.58	+14 24.9	1.316	2.262	11.2	19.6
9 28	0 55.08	+13 32.8	1.294	2.278	6.4	19.3
10 8	0 44.78	+12 24.6	1.298	2.293	3.0	19.2
10 18	0 35.03	+11 8.7	1.329	2.308	6.0	19.4
10 28	0 27.09	+ 9 55.3	1.385	2.323	10.6	19.7
11 7	0 21.79	+ 8 52.9	1.465	2.337	14.7	20.0

301317 2009 BO_{153} 10 5.9 261°.61 0°.4/ 5.5 18

8 29	1 11.27	+ 6 27.0	1.861	2.689	14.9	21.4
9 8	1 7.35	+ 6 1.1	1.780	2.686	11.6	21.2
9 18	1 1.27	+ 5 22.4	1.721	2.683	7.7	21.0
9 28	0 53.59	+ 4 34.4	1.686	2.680	3.4	20.7
10 8	0 45.17	+ 3 42.5	1.679	2.678	1.2	20.5
10 18	0 36.99	+ 2 52.8	1.700	2.675	5.6	20.8
10 28	0 30.01	+ 2 11.5	1.748	2.672	9.7	21.1
11 7	0 24.96	+ 1 43.1	1.820	2.669	13.3	21.3

393226 2013 FZ_{10} 10 5.9 48°.75 0°.1/ 5.9 18

8 29	1 13.98	+ 5 43.6	2.006	2.826	14.2	20.4
9 8	1 9.17	+ 5 49.5	1.933	2.834	11.1	20.2
9 18	1 2.32	+ 5 46.2	1.883	2.842	7.4	20.0
9 28	0 54.01	+ 5 35.8	1.858	2.851	3.3	19.7
10 8	0 45.08	+ 5 21.6	1.861	2.859	0.9	19.6
10 18	0 36.45	+ 5 7.6	1.892	2.868	5.0	19.9
10 28	0 29.04	+ 4 58.0	1.952	2.877	8.8	20.1
11 7	0 23.49	+ 4 56.1	2.036	2.886	12.1	20.4

499931 2011 HK_{39} 10 5.9 314°.17 23°.1/ 9.9 17

8 29	1 18.39	−40 24.8	1.059	1.888	23.6	20.0
9 8	1 15.23	−43 12.6	1.039	1.877	23.1	19.9
9 18	1 7.59	−45 22.6	1.032	1.866	23.3	19.9
9 28	0 56.61	−46 37.0	1.040	1.856	24.2	20.0
10 8	0 44.39	−46 45.8	1.061	1.846	25.5	20.0
10 18	0 33.25	−45 47.7	1.093	1.837	27.0	20.1
10 28	0 25.12	−43 49.7	1.135	1.829	28.6	20.2
11 7	0 20.97	−41 3.9	1.186	1.821	30.0	20.4

123786 2001 BS_{17} 10 5.9 135°.20 0°.7/ 5.0 18

8 29	1 10.40	+ 4 45.3	2.658	3.473	11.3	20.4
9 8	1 5.90	+ 4 17.9	2.583	3.483	8.7	20.3
9 18	0 59.90	+ 3 42.8	2.532	3.493	5.7	20.1
9 28	0 52.87	+ 3 2.7	2.508	3.502	2.5	19.9
10 8	0 45.41	+ 2 21.5	2.514	3.511	1.2	19.8
10 18	0 38.17	+ 1 43.1	2.550	3.520	4.3	20.1
10 28	0 31.81	+ 1 11.5	2.614	3.528	7.4	20.3
11 7	0 26.82	+ 0 49.4	2.705	3.536	10.0	20.5

90194 2003 AP_{54} 10 5.9 120°.65 0°.4/ 5.5 18

8 29	1 15.46	+ 6 33.7	1.923	2.740	14.9	20.2
9 8	1 10.30	+ 6 5.3	1.857	2.757	11.5	20.1
9 18	1 3.03	+ 5 25.0	1.813	2.773	7.6	19.9
9 28	0 54.30	+ 4 36.4	1.795	2.789	3.3	19.6
10 8	0 45.02	+ 3 44.9	1.806	2.804	1.2	19.5
10 18	0 36.14	+ 2 56.3	1.845	2.818	5.4	19.8
10 28	0 28.59	+ 2 16.3	1.913	2.832	9.3	20.1
11 7	0 23.01	+ 1 48.7	2.004	2.846	12.6	20.3

326802 2003 SZ_{336} 10 5.9 293°.66 8°.6/26.2 18

8 29	1 13.59	−22 29.1	2.339	3.170	12.1	20.6
9 8	1 8.68	−23 28.3	2.280	3.163	10.3	20.5
9 18	1 1.89	−24 18.5	2.243	3.157	9.0	20.4
9 28	0 53.78	−24 52.8	2.232	3.151	8.6	20.3
10 8	0 45.16	−25 5.8	2.246	3.144	9.4	20.4
10 18	0 36.85	−24 54.6	2.285	3.138	11.0	20.5
10 28	0 29.68	−24 19.0	2.347	3.132	12.9	20.6
11 7	0 24.25	−23 21.3	2.429	3.126	14.7	20.7

482595 2012 XH_{119} 10 5.9 231°.61 5°.2/11.5 16

8 29	1 13.29	+22 56.6	2.383	3.116	14.7	21.8
9 8	1 8.74	+23 16.8	2.278	3.104	12.4	21.6
9 18	1 2.16	+23 19.0	2.192	3.092	9.9	21.4
9 28	0 54.02	+23 1.7	2.131	3.080	7.2	21.2
10 8	0 45.06	+22 25.5	2.097	3.067	5.4	21.1
10 18	0 36.15	+21 33.2	2.090	3.054	5.8	21.1
10 28	0 28.21	+20 30.6	2.112	3.040	8.1	21.2
11 7	0 22.01	+19 24.6	2.160	3.025	10.9	21.4

242928 2006 QT_{42} 10 5.9 16°.76 10°.7/28.4 18

8 29	1 12.69	−17 50.7	1.312	2.182	17.4	19.3
9 8	1 9.02	−18 58.6	1.273	2.190	14.4	19.1
9 18	1 2.53	−19 56.0	1.253	2.198	11.8	19.0
9 28	0 54.12	−20 31.9	1.255	2.208	10.7	19.0
10 8	0 45.09	−20 38.3	1.280	2.219	11.6	19.1
10 18	0 36.75	−20 11.8	1.327	2.231	14.0	19.3
10 28	0 30.29	−19 13.8	1.395	2.245	16.7	19.5
11 7	0 26.40	−17 49.2	1.481	2.259	19.3	19.7

160065 1999 XX_{117} 10 5.9 5°.65 4°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.35	+13 57.4	1.060	1.913	21.9	18.5
9 8	1 4.18	+14 34.0	1.001	1.913	17.8	18.2
9 18	0 59.87	+14 46.3	0.958	1.915	13.0	18.0
9 28	0 53.15	+14 33.8	0.934	1.919	7.9	17.7
10 8	0 45.32	+14 0.3	0.931	1.925	4.4	17.6
10 18	0 37.91	+13 13.5	0.951	1.933	7.0	17.7
10 28	0 32.42	+12 23.9	0.993	1.944	11.9	18.0
11 7	0 29.82	+11 41.6	1.055	1.956	16.5	18.4

5456 Merman 10 5.9 180°.08 2°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.22	+ 0 17.9	1.635	2.476	15.9	17.1
9 8	1 11.41	− 0 10.2	1.562	2.477	12.3	16.9
9 18	1 4.08	− 0 46.6	1.511	2.477	8.1	16.6
9 28	0 54.89	− 1 26.1	1.484	2.478	3.9	16.4
10 8	0 44.87	− 2 2.3	1.484	2.477	3.3	16.4
10 18	0 35.20	− 2 29.0	1.512	2.477	7.4	16.6
10 28	0 27.03	− 2 41.4	1.566	2.476	11.6	16.9
11 7	0 21.15	− 2 37.0	1.642	2.476	15.3	17.1

306289 2011 SO_{28} 10 5.9 34°.59 3°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.86	+19 24.2	1.647	2.438	18.0	20.1
9 8	1 5.02	+19 2.6	1.574	2.446	14.8	19.9
9 18	0 59.84	+18 15.8	1.520	2.454	11.0	19.6
9 28	0 52.98	+17 4.9	1.488	2.463	6.9	19.4
10 8	0 45.40	+15 35.0	1.482	2.472	4.0	19.3
10 18	0 38.17	+13 54.3	1.503	2.482	5.5	19.4
10 28	0 32.33	+12 13.2	1.550	2.492	9.3	19.7
11 7	0 28.60	+10 41.3	1.622	2.502	13.0	19.9

469372 2001 QF_{298} 10 5.9 157°.86 0°.2/ 1.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 49.55	− 5 20.9	42.710	43.544	0.8	21.6
9 8	0 48.96	− 5 26.6	42.633	43.545	0.6	21.6
9 18	0 48.30	− 5 32.3	42.583	43.546	0.4	21.5
9 28	0 47.60	− 5 37.9	42.561	43.547	0.2	21.5
10 8	0 46.88	− 5 43.2	42.569	43.547	0.3	21.5
10 18	0 46.17	− 5 48.0	42.606	43.548	0.4	21.5
10 28	0 45.48	− 5 52.1	42.672	43.549	0.6	21.6
11 7	0 44.86	− 5 55.5	42.764	43.550	0.8	21.6

130063 1999 VZ_{191} 10 5.9 17°.65 1°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.34	+ 2 20.1	1.302	2.162	18.1	19.6
9 8	1 8.09	+ 2 4.9	1.243	2.168	14.0	19.4
9 18	1 2.05	+ 1 38.5	1.204	2.175	9.2	19.1
9 28	0 54.00	+ 1 6.2	1.188	2.183	4.1	18.8
10 8	0 45.14	+ 0 35.0	1.196	2.192	2.6	18.8
10 18	0 36.76	+ 0 11.5	1.229	2.202	7.4	19.1
10 28	0 30.12	+ 0 1.5	1.286	2.213	12.2	19.4
11 7	0 26.01	+ 0 8.0	1.364	2.225	16.2	19.7

472510 2015 CF_{32} 10 5.9 161°.49 3°.4/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.86	+14 37.8	1.798	2.586	16.9	21.6
9 8	1 12.63	+14 58.5	1.717	2.590	13.7	21.4
9 18	1 4.90	+15 2.3	1.656	2.594	9.9	21.2
9 28	0 55.28	+14 48.9	1.619	2.598	6.0	21.0
10 8	0 44.78	+14 20.6	1.609	2.601	3.4	20.8
10 18	0 34.54	+13 42.0	1.627	2.603	5.5	21.0
10 28	0 25.72	+12 59.9	1.672	2.605	9.4	21.2
11 7	0 19.16	+12 21.2	1.743	2.607	13.1	21.5

258770 2002 JK_{31} 10 5.9 113°.48 5°.0/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.52	− 4 13.5	1.480	2.334	16.7	20.5
9 8	1 11.74	− 5 6.2	1.421	2.343	12.8	20.3
9 18	1 4.29	− 6 4.0	1.384	2.350	8.7	20.1
9 28	0 54.96	− 6 58.9	1.370	2.358	5.4	19.9
10 8	0 44.89	− 7 42.6	1.383	2.366	5.8	19.9
10 18	0 35.33	− 8 8.5	1.422	2.373	9.3	20.2
10 28	0 27.47	− 8 12.7	1.485	2.380	13.2	20.4
11 7	0 22.07	− 7 54.9	1.570	2.387	16.7	20.7

187711 2008 EU_{47} 10 5.9 140°.52 0°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.03	+ 6 5.7	2.553	3.366	11.7	21.6
9 8	1 5.70	+ 5 30.1	2.477	3.375	9.0	21.4
9 18	0 59.82	+ 4 45.1	2.424	3.384	5.9	21.2
9 28	0 52.86	+ 3 53.8	2.399	3.393	2.6	21.0
10 8	0 45.45	+ 3 0.7	2.403	3.401	1.1	20.9
10 18	0 38.28	+ 2 10.1	2.437	3.409	4.4	21.2
10 28	0 32.00	+ 1 26.6	2.500	3.416	7.6	21.4
11 7	0 27.14	+ 0 53.6	2.589	3.423	10.3	21.6

212282 2005 LX_{8} 10 5.9 168°.09 6°.0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.86	− 9 37.9	2.028	2.880	12.9	20.6
9 8	1 6.78	−10 55.2	1.965	2.881	10.1	20.4
9 18	1 0.74	−12 13.1	1.926	2.882	7.5	20.3
9 28	0 53.33	−13 24.1	1.912	2.883	6.1	20.2
10 8	0 45.34	−14 20.9	1.926	2.884	6.9	20.2
10 18	0 37.65	−14 58.2	1.967	2.885	9.3	20.4
10 28	0 31.10	−15 12.9	2.032	2.885	12.1	20.6
11 7	0 26.34	−15 5.1	2.119	2.886	14.6	20.8

441263 2007 VE_{312} 10 5.9 257°.66 5°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.82	+24 17.3	2.173	2.910	15.8	21.6
9 8	1 7.06	+24 26.8	2.068	2.896	13.5	21.4
9 18	1 1.17	+24 15.0	1.982	2.882	10.8	21.2
9 28	0 53.63	+23 40.1	1.920	2.868	7.9	21.0
10 8	0 45.23	+22 43.2	1.882	2.853	5.9	20.8
10 18	0 36.90	+21 28.2	1.873	2.838	6.1	20.8
10 28	0 29.62	+20 1.9	1.891	2.823	8.5	20.9
11 7	0 24.19	+18 33.2	1.935	2.807	11.6	21.1

195308 2002 EK_{106} 10 5.9 270°.51 1°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.12	− 2 46.5	4.410	5.239	6.9	19.8
9 8	0 59.82	− 3 12.5	4.328	5.236	5.2	19.7
9 18	0 55.68	− 3 40.5	4.271	5.234	3.5	19.6
9 28	0 50.96	− 4 8.4	4.242	5.231	1.9	19.5
10 8	0 45.99	− 4 33.7	4.244	5.229	2.0	19.5
10 18	0 41.10	− 4 54.5	4.275	5.226	3.6	19.6
10 28	0 36.66	− 5 8.9	4.336	5.224	5.4	19.7
11 7	0 32.96	− 5 15.7	4.423	5.221	7.0	19.8

421822 2014 QA_{91} 10 5.9 24°.68 4°.2/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.05	+19 11.2	2.006	2.782	15.7	20.8
9 8	1 5.59	+19 21.0	1.927	2.787	13.0	20.6
9 18	1 0.08	+19 11.7	1.867	2.792	9.9	20.4
9 28	0 53.08	+18 43.3	1.831	2.798	6.6	20.2
10 8	0 45.41	+17 58.0	1.820	2.805	4.4	20.1
10 18	0 37.97	+17 0.7	1.837	2.811	5.3	20.2
10 28	0 31.69	+15 58.1	1.881	2.818	8.2	20.4
11 7	0 27.24	+14 57.4	1.950	2.826	11.4	20.6

102778 1999 VT_{145} 10 5.9 32°.31 0°.7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.06	+ 6 2.2	1.726	2.560	15.6	20.4
9 8	1 7.32	+ 5 31.7	1.652	2.561	12.1	20.2
9 18	1 1.31	+ 4 47.9	1.599	2.563	8.0	19.9
9 28	0 53.66	+ 3 54.8	1.571	2.565	3.5	19.7
10 8	0 45.27	+ 2 58.5	1.569	2.567	1.5	19.5
10 18	0 37.19	+ 2 5.9	1.596	2.569	6.0	19.8
10 28	0 30.41	+ 1 23.3	1.648	2.572	10.2	20.1
11 7	0 25.68	+ 0 55.4	1.724	2.574	13.9	20.3

374803 2006 UL_{17} 10 5.9 270°.85 2°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.48	+10 16.1	1.503	2.323	18.1	21.2
9 8	1 12.08	+10 33.5	1.422	2.319	14.5	20.9
9 18	1 4.83	+10 35.2	1.361	2.315	10.2	20.6
9 28	0 55.37	+10 21.9	1.322	2.311	5.3	20.4
10 8	0 44.81	+ 9 56.9	1.309	2.307	2.1	20.1
10 18	0 34.48	+ 9 25.5	1.323	2.302	6.1	20.4
10 28	0 25.74	+ 8 55.0	1.363	2.298	10.9	20.7
11 7	0 19.55	+ 8 32.1	1.426	2.294	15.2	20.9

516756 2009 SZ_{273} 10 5.9 65°.79 0°.5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.51	+ 4 24.3	2.217	3.038	13.0	21.7
9 8	1 7.89	+ 4 18.3	2.141	3.043	10.1	21.5
9 18	1 1.42	+ 4 4.2	2.087	3.048	6.7	21.3
9 28	0 53.65	+ 3 44.5	2.059	3.053	2.9	21.1
10 8	0 45.30	+ 3 23.0	2.061	3.058	1.1	21.0
10 18	0 37.21	+ 3 3.6	2.091	3.064	4.8	21.2
10 28	0 30.17	+ 2 50.1	2.149	3.069	8.4	21.5
11 7	0 24.81	+ 2 45.4	2.232	3.074	11.4	21.7

5126 Achaemenides 10 5.9 257°.99 5°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.59	−28 2.0	4.471	5.280	7.1	18.0
9 8	1 0.28	−29 4.4	4.426	5.278	6.4	17.9
9 18	0 56.03	−29 59.8	4.405	5.276	6.0	17.9
9 28	0 51.14	−30 44.7	4.411	5.274	6.0	17.9
10 8	0 45.98	−31 16.3	4.442	5.272	6.6	17.9
10 18	0 40.94	−31 33.1	4.497	5.271	7.4	18.0
10 28	0 36.42	−31 34.4	4.575	5.269	8.3	18.1
11 7	0 32.73	−31 20.7	4.671	5.267	9.2	18.2

318446 2005 CY_{60} 10 5.9 342°.20 2°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.95	+ 8 59.4	1.071	1.928	21.4	20.1
9 8	1 9.55	+ 9 32.2	0.999	1.918	17.2	19.8
9 18	1 3.69	+ 9 47.5	0.944	1.908	12.0	19.5
9 28	0 55.02	+ 9 45.5	0.909	1.900	6.3	19.2
10 8	0 44.89	+ 9 29.8	0.896	1.893	2.3	18.9
10 18	0 35.00	+ 9 6.8	0.905	1.888	7.4	19.2
10 28	0 27.10	+ 8 45.2	0.937	1.883	13.2	19.5
11 7	0 22.42	+ 8 33.2	0.989	1.880	18.3	19.8

371399 2006 RH_{71} 10 5.9 352°.63 0°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.03	+ 6 35.4	0.925	1.811	21.6	20.9
9 8	1 2.76	+ 6 21.5	0.863	1.801	16.9	20.6
9 18	0 59.18	+ 5 45.8	0.816	1.792	11.4	20.2
9 28	0 52.97	+ 4 53.2	0.789	1.786	5.1	19.9
10 8	0 45.47	+ 3 53.0	0.783	1.781	1.7	19.6
10 18	0 38.32	+ 2 56.7	0.797	1.779	8.3	20.0
10 28	0 33.17	+ 2 15.5	0.832	1.779	14.3	20.4
11 7	0 31.09	+ 1 56.9	0.885	1.781	19.5	20.7

390433 2013 YJ_{55} 10 5.9 94.°59 3.°7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.78	+17 19.6	1.903	2.681	16.4	20.7
9 8	1 9.97	+17 27.2	1.835	2.699	13.4	20.5
9 18	1 2.94	+17 15.9	1.786	2.717	9.8	20.4
9 28	0 54.35	+16 46.1	1.762	2.735	6.2	20.2
10 8	0 45.13	+16 1.0	1.764	2.752	3.8	20.1
10 18	0 36.30	+15 5.7	1.794	2.769	5.2	20.2
10 28	0 28.83	+14 7.3	1.852	2.786	8.5	20.4
11 7	0 23.40	+13 12.8	1.935	2.803	11.8	20.7

192468 1998 FH_{40} 10 5.9 175.°47 0.°6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.96	+ 7 52.3	1.808	2.626	15.6	19.4
9 8	1 10.30	+ 7 50.9	1.728	2.627	12.3	19.2
9 18	1 3.30	+ 7 37.0	1.669	2.627	8.3	19.0
9 28	0 54.58	+ 7 12.6	1.636	2.627	3.9	18.7
10 8	0 45.05	+ 6 41.8	1.629	2.628	1.0	18.5
10 18	0 35.79	+ 6 9.6	1.651	2.628	5.4	18.8
10 28	0 27.84	+ 5 41.9	1.699	2.628	9.6	19.1
11 7	0 21.99	+ 5 23.5	1.772	2.627	13.3	19.3

438457 2007 BK_{61} 10 5.9 271.°31 2.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.92	+12 29.1	1.646	2.457	17.2	22.1
9 8	1 10.02	+12 34.4	1.551	2.441	13.9	21.9
9 18	1 3.47	+12 22.0	1.475	2.425	9.9	21.6
9 28	0 54.80	+11 52.2	1.423	2.409	5.5	21.3
10 8	0 44.98	+11 8.5	1.397	2.393	2.4	21.1
10 18	0 35.21	+10 16.4	1.398	2.377	5.8	21.3
10 28	0 26.78	+ 9 24.1	1.424	2.360	10.5	21.5
11 7	0 20.68	+ 8 39.1	1.475	2.343	14.7	21.7

114824 2003 OB_{17} 10 5.9 349.°15 0.°8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 55.97	+ 7 25.1	0.802	1.704	22.4	18.5
9 8	0 57.60	+ 6 58.0	0.739	1.687	17.6	18.1
9 18	0 55.94	+ 6 3.1	0.692	1.672	11.8	17.7
9 28	0 51.58	+ 4 45.9	0.663	1.660	5.2	17.3
10 8	0 45.85	+ 3 18.4	0.652	1.651	2.1	17.1
10 18	0 40.41	+ 1 55.7	0.661	1.644	9.0	17.5
10 28	0 36.96	+ 0 53.0	0.689	1.641	15.4	17.8
11 7	0 36.66	+ 0 19.7	0.733	1.640	21.0	18.1

64353 2001 UY_{83} 10 5.9 297.°27 0.°9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.28	+ 5 24.0	1.959	2.791	14.1	19.5
9 8	1 5.80	+ 4 50.7	1.872	2.781	10.9	19.3
9 18	1 0.27	+ 4 5.3	1.806	2.770	7.2	19.0
9 28	0 53.23	+ 3 11.6	1.766	2.760	3.2	18.8
10 8	0 45.44	+ 2 15.0	1.753	2.750	1.6	18.6
10 18	0 37.80	+ 1 21.7	1.768	2.740	5.7	18.9
10 28	0 31.25	+ 0 37.8	1.810	2.730	9.6	19.1
11 7	0 26.49	+ 0 7.8	1.876	2.720	13.2	19.3

133088 2003 MG_{7} 10 5.9 42.°16 9.°7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.52	+35 19.5	1.846	2.525	19.9	19.0
9 8	1 7.35	+35 41.1	1.759	2.526	17.8	18.9
9 18	1 1.59	+35 31.7	1.688	2.528	15.3	18.7
9 28	0 53.88	+34 46.9	1.635	2.530	12.7	18.5
10 8	0 45.26	+33 26.3	1.604	2.532	10.6	18.4
10 18	0 36.94	+31 33.9	1.598	2.534	9.7	18.4
10 28	0 30.10	+29 19.4	1.617	2.537	10.7	18.4
11 7	0 25.62	+26 55.6	1.662	2.539	12.9	18.6

25843 2000 EQ_{84} 10 5.9 286.°66 0.°0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.79	+ 8 41.9	2.318	3.135	12.7	18.5
9 8	1 3.54	+ 7 55.9	2.228	3.127	9.9	18.3
9 18	0 58.59	+ 6 56.5	2.160	3.120	6.6	18.0
9 28	0 52.42	+ 5 47.2	2.119	3.113	3.0	17.8
10 8	0 45.66	+ 4 32.8	2.107	3.105	0.8	17.6
10 18	0 39.06	+ 3 19.3	2.123	3.098	4.6	17.9
10 28	0 33.34	+ 2 12.9	2.168	3.091	8.2	18.1
11 7	0 29.12	+ 1 18.3	2.239	3.084	11.3	18.3

392914 2012 VJ_{84} 10 5.9 331.°42 2.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.51	+11 36.3	1.558	2.381	17.5	20.7
9 8	1 8.12	+11 43.7	1.476	2.373	14.0	20.4
9 18	1 2.14	+11 33.9	1.413	2.367	9.9	20.2
9 28	0 54.16	+11 7.6	1.373	2.360	5.4	19.9
10 8	0 45.18	+10 28.8	1.358	2.354	2.2	19.7
10 18	0 36.40	+ 9 43.4	1.369	2.349	5.8	19.9
10 28	0 29.03	+ 8 59.0	1.406	2.344	10.3	20.2
11 7	0 24.00	+ 8 22.8	1.466	2.339	14.5	20.4

411610 2011 OM_{59} 10 5.9 345.°28 2.°5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.53	+15 11.7	1.805	2.606	16.3	20.6
9 8	1 6.17	+14 49.5	1.723	2.606	13.1	20.4
9 18	1 0.60	+14 7.0	1.660	2.605	9.4	20.2
9 28	0 53.38	+13 5.9	1.621	2.605	5.4	20.0
10 8	0 45.41	+11 50.8	1.609	2.604	2.5	19.8
10 18	0 37.68	+10 28.8	1.624	2.604	5.1	20.0
10 28	0 31.19	+ 9 8.6	1.667	2.604	9.1	20.2
11 7	0 26.69	+ 7 57.8	1.734	2.603	12.8	20.4

259060 2002 UM_{3} 10 5.9 338.°89 31.°4/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 37.86	−53 9.2	0.856	1.636	31.4	19.4
9 8	1 32.13	−54 48.9	0.836	1.622	31.4	19.3
9 18	1 19.38	−55 34.7	0.824	1.609	31.7	19.3
9 28	1 1.82	−55 5.8	0.819	1.597	32.1	19.2
10 8	0 43.34	−53 10.4	0.823	1.587	32.7	19.3
10 18	0 27.68	−49 49.9	0.835	1.579	33.5	19.3
10 28	0 17.21	−45 17.0	0.857	1.573	34.5	19.4
11 7	0 12.41	−39 52.3	0.889	1.569	35.5	19.5

157015 Walterstraube 10 5.9 4.°96 1.°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.96	+12 37.3	2.124	2.929	14.0	19.7
9 8	1 3.81	+12 2.1	2.040	2.929	11.1	19.5
9 18	0 58.83	+11 10.6	1.978	2.930	7.7	19.3
9 28	0 52.54	+10 5.3	1.942	2.930	4.0	19.0
10 8	0 45.66	+ 8 51.1	1.933	2.931	1.3	18.8
10 18	0 38.99	+ 7 34.3	1.953	2.932	4.5	19.1
10 28	0 33.33	+ 6 21.6	2.001	2.933	8.1	19.3
11 7	0 29.30	+ 5 19.1	2.074	2.934	11.4	19.5

260282 2004 TB_{38} 10 5.9 241.°92 1.°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.48	+ 1 1.8	2.535	3.356	11.6	20.7
9 8	1 8.52	+ 0 50.9	2.442	3.346	9.0	20.5
9 18	1 1.83	+ 0 34.6	2.373	3.335	5.9	20.3
9 28	0 53.88	+ 0 15.7	2.331	3.324	2.7	20.0
10 8	0 45.31	− 0 2.3	2.319	3.313	1.9	20.0
10 18	0 36.87	− 0 15.9	2.336	3.302	5.0	20.2
10 28	0 29.31	− 0 22.0	2.382	3.291	8.2	20.3
11 7	0 23.24	− 0 18.3	2.454	3.279	11.1	20.5

443737 2015 LT_{29} 10 5.9 336.°71 11.°5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.32	−18 9.8	1.376	2.251	16.5	19.4
9 8	1 5.94	−19 51.6	1.317	2.235	13.9	19.2
9 18	1 0.80	−21 26.9	1.278	2.219	12.0	19.1
9 28	0 53.58	−22 42.7	1.261	2.205	11.6	19.0
10 8	0 45.39	−23 27.9	1.266	2.192	12.9	19.1
10 18	0 37.54	−23 35.8	1.292	2.179	15.5	19.2
10 28	0 31.30	−23 4.8	1.337	2.168	18.4	19.4
11 7	0 27.55	−21 58.8	1.399	2.159	21.1	19.5

349289 2007 TY_{381} 10 5.9 224.°11 3.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.81	− 2 48.5	2.219	3.053	12.6	21.3
9 8	1 8.99	− 3 23.8	2.135	3.046	9.7	21.1
9 18	1 2.24	− 4 3.8	2.074	3.037	6.5	20.9
9 28	0 54.08	− 4 43.8	2.039	3.029	3.7	20.7
10 8	0 45.26	− 5 18.5	2.034	3.020	3.8	20.7
10 18	0 36.62	− 5 43.3	2.057	3.010	6.7	20.9
10 28	0 29.02	− 5 54.6	2.107	3.000	9.9	21.0
11 7	0 23.12	− 5 50.5	2.182	2.990	12.9	21.2

438330 2006 KN_{68} 10 5.9 94.°37 2.°7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.34	− 0 26.3	1.837	2.676	14.5	21.6
9 8	1 9.57	− 0 59.5	1.774	2.688	11.1	21.4
9 18	1 2.65	− 1 39.4	1.733	2.700	7.3	21.2
9 28	0 54.24	− 2 20.7	1.718	2.711	3.7	21.0
10 8	0 45.24	− 2 57.7	1.731	2.722	3.3	21.0
10 18	0 36.65	− 3 25.0	1.772	2.733	6.8	21.2
10 28	0 29.39	− 3 38.6	1.839	2.744	10.4	21.5
11 7	0 24.13	− 3 36.6	1.929	2.755	13.6	21.7

356681 2011 UN_{101} 10 5.9 120.°53 2.°7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.20	− 0 19.1	1.984	2.825	13.6	21.0
9 8	1 7.12	− 1 0.6	1.910	2.826	10.4	20.8
9 18	1 1.04	− 1 49.3	1.860	2.826	6.9	20.6
9 28	0 53.54	− 2 39.9	1.835	2.827	3.5	20.4
10 8	0 45.41	− 3 26.7	1.838	2.828	3.4	20.4
10 18	0 37.56	− 4 4.1	1.869	2.829	6.7	20.6
10 28	0 30.84	− 4 27.5	1.926	2.829	10.2	20.8
11 7	0 25.93	− 4 34.7	2.007	2.830	13.3	21.0

290903 2005 WA_{99} 10 5.9 90.°66 2.°5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.33	− 0 28.9	2.185	3.023	12.6	21.0
9 8	1 6.24	− 1 8.0	2.113	3.026	9.6	20.9
9 18	1 0.35	− 1 53.3	2.063	3.030	6.3	20.7
9 28	0 53.20	− 2 40.2	2.041	3.033	3.2	20.5
10 8	0 45.51	− 3 23.4	2.046	3.036	3.1	20.5
10 18	0 38.07	− 3 58.1	2.080	3.039	6.1	20.7
10 28	0 31.66	− 4 20.2	2.141	3.042	9.4	20.9
11 7	0 26.88	− 4 27.7	2.225	3.045	12.3	21.1

15300 1992 RV_{2} 10 5.9 354.°06 1.°8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.90	+ 4 41.7	1.592	2.443	15.9	17.8
9 8	1 4.32	+ 3 45.2	1.519	2.439	12.2	17.6
9 18	0 59.45	+ 2 34.0	1.467	2.437	8.0	17.3
9 28	0 52.90	+ 1 13.8	1.439	2.435	3.5	17.1
10 8	0 45.58	− 0 7.1	1.438	2.433	2.6	17.0
10 18	0 38.54	− 1 20.0	1.463	2.433	7.0	17.3
10 28	0 32.80	− 2 17.3	1.513	2.432	11.3	17.5
11 7	0 29.13	− 2 54.2	1.585	2.433	15.0	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478724 2012 UG_{58}		10 5.9 27.°05 3.°5/ 3.8 16				
	h m	° ′			°	m
8 29	1 16.15	− 2 26.6	1.285	2.147	18.3	20.4
9 8	1 11.78	− 2 33.2	1.231	2.157	14.1	20.2
9 18	1 4.49	− 2 44.9	1.197	2.167	9.3	20.0
9 28	0 55.14	− 2 55.9	1.186	2.179	4.8	19.8
10 8	0 45.02	− 3 0.0	1.200	2.192	4.2	19.8
10 18	0 35.52	− 2 52.2	1.239	2.205	8.4	20.1
10 28	0 27.91	− 2 29.5	1.301	2.220	12.8	20.4
11 7	0 23.02	− 1 51.1	1.385	2.235	16.7	20.6
267567 2002 QA_{55}		10 5.9 318.°72 3.°3/ 3.5 18				
8 29	1 8.46	+ 1 40.9	1.218	2.089	18.4	20.7
9 8	1 6.48	+ 0 55.9	1.135	2.067	14.4	20.4
9 18	1 1.49	− 0 4.8	1.071	2.045	9.6	20.0
9 28	0 54.04	− 1 14.4	1.029	2.024	4.7	19.7
10 8	0 45.25	− 2 23.1	1.010	2.004	4.3	19.6
10 18	0 36.54	− 3 20.1	1.015	1.984	9.4	19.8
10 28	0 29.46	− 3 56.0	1.042	1.966	14.7	20.1
11 7	0 25.12	− 4 5.7	1.088	1.948	19.5	20.3
284535 2007 RW_{177}		10 5.9 82.°36 1.°7/ 4.6 18				
8 29	1 16.19	+ 1 28.5	1.780	2.614	15.2	20.5
9 8	1 11.09	+ 1 17.0	1.714	2.624	11.7	20.3
9 18	1 3.72	+ 0 57.9	1.670	2.635	7.7	20.1
9 28	0 54.74	+ 0 35.2	1.652	2.646	3.5	19.8
10 8	0 45.12	+ 0 13.9	1.661	2.656	2.3	19.8
10 18	0 35.91	− 0 1.5	1.698	2.667	6.2	20.1
10 28	0 28.11	− 0 6.7	1.762	2.677	10.2	20.3
11 7	0 22.42	+ 0 0.6	1.849	2.688	13.6	20.6
221511 2006 EG_{14}		10 5.9 316.°72 0.°6/ 5.3 18				
8 29	1 7.29	+ 6 24.7	1.984	2.816	13.9	20.4
9 8	1 4.29	+ 5 50.7	1.892	2.800	10.8	20.2
9 18	0 59.31	+ 5 3.7	1.821	2.785	7.2	20.0
9 28	0 52.84	+ 4 7.2	1.775	2.770	3.2	19.7
10 8	0 45.60	+ 3 6.5	1.757	2.755	1.3	19.5
10 18	0 38.48	+ 2 7.9	1.766	2.740	5.5	19.8
10 28	0 32.38	+ 1 17.7	1.803	2.726	9.5	20.0
11 7	0 28.01	+ 0 41.0	1.863	2.712	13.0	20.2
511471 2014 KU_{92}		10 5.9 173.°32 5.°7/30.2 18				
8 29	1 13.83	−10 45.7	2.178	3.021	12.5	21.2
9 8	1 8.93	−11 37.5	2.112	3.022	9.8	21.1
9 18	1 2.13	−12 28.1	2.070	3.024	7.3	20.9
9 28	0 54.00	−13 11.3	2.054	3.024	5.7	20.8
10 8	0 45.32	−13 41.3	2.066	3.025	6.4	20.9
10 18	0 36.95	−13 54.0	2.105	3.026	8.6	21.0
10 28	0 29.71	−13 47.3	2.169	3.026	11.3	21.2
11 7	0 24.21	−13 21.5	2.257	3.026	13.7	21.4
348372 2005 EB_{286}		10 5.9 236.°49 8.°9/26.3 18				
8 29	1 14.49	−19 20.6	2.070	2.910	13.1	20.8
9 8	1 9.71	−20 40.9	2.006	2.901	11.0	20.6
9 18	1 2.80	−21 54.6	1.965	2.891	9.4	20.5
9 28	0 54.35	−22 53.2	1.949	2.882	8.9	20.4
10 8	0 45.23	−23 29.6	1.959	2.872	9.9	20.5
10 18	0 36.40	−23 39.5	1.994	2.861	11.8	20.6
10 28	0 28.79	−23 21.6	2.051	2.850	14.0	20.7
11 7	0 23.12	−22 38.0	2.128	2.839	16.1	20.9
483263 2015 TJ_{142}		10 5.9 128.°36 3.°3/ 1.8 18				
8 29	1 7.85	− 2 6.6	2.327	3.170	11.8	21.2
9 8	1 4.24	− 3 14.4	2.256	3.172	9.0	21.0
9 18	0 59.00	− 4 27.9	2.209	3.175	6.0	20.8
9 28	0 52.60	− 5 41.7	2.189	3.177	3.6	20.7
10 8	0 45.71	− 6 49.6	2.198	3.180	4.0	20.7
10 18	0 39.04	− 7 46.2	2.235	3.182	6.7	20.9
10 28	0 33.30	− 8 27.1	2.300	3.184	9.6	21.1
11 7	0 29.04	− 8 50.4	2.388	3.187	12.2	21.2
52245 1981 EP_{4}		10 5.9 205.°64 1.°6/ 7.8 18				
8 29	1 8.92	+14 10.7	2.100	2.896	14.5	19.5
9 8	1 5.39	+13 33.1	2.012	2.895	11.6	19.3
9 18	0 59.93	+12 37.4	1.946	2.893	8.1	19.1
9 28	0 53.07	+11 25.9	1.905	2.891	4.4	18.9
10 8	0 45.58	+10 3.6	1.892	2.889	1.7	18.7
10 18	0 38.28	+ 8 36.9	1.908	2.887	4.5	18.9
10 28	0 32.04	+ 7 13.6	1.952	2.885	8.3	19.1
11 7	0 27.51	+ 6 0.3	2.022	2.882	11.7	19.3
260478 2005 CW_{7}		10 5.9 175.°25 3.°0/ 2.2 18				
8 29	1 12.25	− 2 54.7	2.656	3.485	10.9	21.7
9 8	1 7.38	− 3 46.3	2.580	3.488	8.3	21.5
9 18	1 0.97	− 4 42.1	2.529	3.491	5.6	21.4
9 28	0 53.46	− 5 37.5	2.505	3.493	3.3	21.2
10 8	0 45.49	− 6 27.7	2.512	3.494	3.6	21.3
10 18	0 37.72	− 7 8.4	2.548	3.494	6.0	21.4
10 28	0 30.84	− 7 36.1	2.613	3.494	8.7	21.6
11 7	0 25.36	− 7 49.2	2.702	3.493	11.1	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
357646 2005 GK_{136}		10 5.9 281.°51 1.°6/ 7.5 17				
	h m	° ′			°	m
8 29	1 7.25	+18 35.9	1.204	2.026	21.6	20.9
9 8	1 5.70	+17 1.2	1.110	2.008	17.6	20.6
9 18	1 1.05	+14 41.4	1.035	1.989	12.6	20.2
9 28	0 53.87	+11 38.2	0.981	1.970	6.6	19.8
10 8	0 45.33	+ 8 3.5	0.953	1.951	1.6	19.5
10 18	0 36.91	+ 4 17.8	0.952	1.932	7.5	19.8
10 28	0 30.20	+ 0 46.0	0.977	1.913	13.9	20.1
11 7	0 26.34	− 2 12.4	1.024	1.894	19.6	20.3
154716 2004 LV_{9}		10 5.9 60.°02 0.°7/ 6.4 18				
8 29	1 16.36	+ 7 45.6	1.449	2.280	18.2	19.7
9 8	1 11.67	+ 7 46.9	1.392	2.297	14.2	19.5
9 18	1 4.30	+ 7 33.5	1.354	2.315	9.5	19.3
9 28	0 55.05	+ 7 8.2	1.340	2.333	4.5	19.1
10 8	0 45.08	+ 6 36.1	1.352	2.351	1.1	18.9
10 18	0 35.67	+ 6 3.6	1.391	2.369	6.0	19.3
10 28	0 28.00	+ 5 37.2	1.455	2.388	10.6	19.6
11 7	0 22.83	+ 5 21.8	1.543	2.406	14.5	19.9
325495 2009 RC_{19}		10 5.9 18.°42 2.°4/ 8.5 18				
8 29	1 5.94	+15 55.1	1.841	2.644	16.0	19.7
9 8	1 3.31	+15 22.1	1.765	2.649	12.8	19.5
9 18	0 58.64	+14 28.3	1.709	2.654	9.2	19.3
9 28	0 52.50	+13 15.9	1.678	2.661	5.2	19.1
10 8	0 45.74	+11 50.4	1.672	2.668	2.4	18.9
10 18	0 39.25	+10 19.2	1.695	2.675	4.8	19.1
10 28	0 33.95	+ 8 51.0	1.745	2.683	8.6	19.3
11 7	0 30.47	+ 7 33.3	1.819	2.692	12.2	19.6
73494 2002 QF_{42}		10 5.9 70.°81 4.°8/10.9 18				
8 29	1 13.73	+20 32.6	2.341	3.088	14.5	19.0
9 8	1 8.93	+21 7.9	2.262	3.100	12.1	18.9
9 18	1 2.20	+21 27.1	2.203	3.112	9.4	18.7
9 28	0 54.08	+21 29.0	2.169	3.124	6.7	18.6
10 8	0 45.32	+21 14.6	2.162	3.136	4.9	18.5
10 18	0 36.78	+20 46.7	2.183	3.148	5.4	18.5
10 28	0 29.32	+20 10.0	2.232	3.160	7.7	18.7
11 7	0 23.58	+19 30.6	2.307	3.172	10.2	18.9
213131 2000 DV_{92}		10 5.9 282.°99 0.°5/ 6.3 18				
8 29	1 11.30	+ 8 32.1	1.882	2.703	15.0	21.0
9 8	1 7.58	+ 8 16.4	1.787	2.687	11.9	20.7
9 18	1 1.62	+ 7 46.7	1.713	2.671	8.1	20.5
9 28	0 53.94	+ 7 5.2	1.663	2.655	3.8	20.2
10 8	0 45.35	+ 6 16.3	1.641	2.639	0.9	19.9
10 18	0 36.86	+ 5 25.9	1.646	2.623	5.4	20.2
10 28	0 29.49	+ 4 40.6	1.679	2.607	9.7	20.4
11 7	0 24.05	+ 4 6.1	1.735	2.591	13.5	20.6
366482 2002 JU_{149}		10 5.9 177.°95 4.°6/30.8 18				
8 29	1 11.28	− 8 23.1	2.427	3.268	11.4	21.3
9 8	1 6.80	− 9 10.3	2.357	3.269	8.9	21.1
9 18	1 0.66	− 9 57.9	2.311	3.269	6.3	21.0
9 28	0 53.35	−10 40.7	2.292	3.269	4.7	20.9
10 8	0 45.55	−11 13.8	2.302	3.269	5.2	20.9
10 18	0 37.99	−11 33.1	2.339	3.269	7.4	21.1
10 28	0 31.39	−11 36.2	2.403	3.269	10.0	21.2
11 7	0 26.31	−11 22.7	2.490	3.269	12.3	21.4
478725 2012 UF_{59}		10 5.9 38.°70 1.°8/ 7.3 16				
8 29	1 12.12	+11 16.8	1.485	2.311	18.1	21.1
9 8	1 8.50	+11 13.8	1.419	2.320	14.3	20.9
9 18	1 2.30	+10 52.4	1.373	2.329	9.9	20.7
9 28	0 54.21	+10 15.0	1.350	2.339	5.2	20.4
10 8	0 45.32	+ 9 26.4	1.352	2.349	1.8	20.2
10 18	0 36.84	+ 8 33.8	1.380	2.360	5.7	20.5
10 28	0 29.94	+ 7 45.2	1.433	2.371	10.3	20.8
11 7	0 25.40	+ 7 7.2	1.510	2.382	14.3	21.1
103561 2000 BJ_{32}		10 5.9 86.°24 2.°6/ 3.4 18				
8 29	1 11.55	+ 0 51.3	1.837	2.679	14.4	19.6
9 8	1 7.50	+ 0 4.2	1.770	2.686	11.0	19.4
9 18	1 1.35	− 0 51.6	1.726	2.693	7.2	19.2
9 28	0 53.71	− 1 50.4	1.707	2.700	3.5	19.0
10 8	0 45.47	− 2 45.6	1.716	2.707	3.3	19.0
10 18	0 37.56	− 3 31.0	1.752	2.715	6.8	19.2
10 28	0 30.91	− 4 1.6	1.815	2.722	10.5	19.4
11 7	0 26.18	− 4 14.9	1.901	2.728	13.7	19.7
305743 2009 CC_{62}		10 5.9 202.°86 5.°7/30.2 18				
8 29	1 13.90	−10 49.5	2.160	3.003	12.5	20.9
9 8	1 9.05	−11 40.2	2.091	3.001	9.9	20.7
9 18	1 2.27	−12 29.8	2.045	2.999	7.3	20.6
9 28	0 54.11	−13 12.0	2.026	2.997	5.8	20.5
10 8	0 45.36	−13 41.0	2.034	2.994	6.5	20.5
10 18	0 36.91	−13 52.4	2.070	2.991	8.7	20.7
10 28	0 29.58	−13 44.3	2.131	2.988	11.4	20.8
11 7	0 24.02	−13 16.9	2.214	2.985	13.9	21.0

31600 Somasundaram 10 5.9 258.°90 0.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.77	+10 26.4	2.107	2.916	14.0	19.4
9 8	1 6.10	+ 9 58.6	2.013	2.906	11.1	19.2
9 18	1 0.46	+ 9 16.0	1.941	2.895	7.6	19.0
9 28	0 53.37	+ 8 20.9	1.894	2.885	3.7	18.7
10 8	0 45.54	+ 7 17.8	1.876	2.874	0.9	18.5
10 18	0 37.85	+ 6 12.5	1.886	2.863	4.8	18.8
10 28	0 31.17	+ 5 11.8	1.924	2.852	8.7	19.0
11 7	0 26.20	+ 4 21.1	1.987	2.841	12.1	19.2

491248 2011 UJ_{234} 10 5.9 28.°65 2.°0/ 7.7 18

8 29	1 11.17	+12 8.9	1.765	2.577	16.2	21.5
9 8	1 7.45	+12 6.7	1.690	2.581	12.9	21.3
9 18	1 1.47	+11 48.1	1.634	2.585	9.1	21.0
9 28	0 53.82	+11 14.5	1.603	2.590	4.9	20.8
10 8	0 45.43	+10 30.0	1.598	2.594	2.0	20.6
10 18	0 37.32	+ 9 40.3	1.620	2.599	5.1	20.8
10 28	0 30.51	+ 8 52.3	1.669	2.605	9.2	21.1
11 7	0 25.74	+ 8 12.4	1.742	2.610	12.9	21.3

313348 2002 GQ_{110} 10 5.9 64.°49 3.°8/ 2.2 18

8 29	1 12.57	− 5 12.2	2.109	2.951	12.8	19.9
9 8	1 7.96	− 5 46.3	2.046	2.961	9.8	19.8
9 18	1 1.49	− 6 22.6	2.007	2.970	6.7	19.6
9 28	0 53.73	− 6 56.0	1.994	2.980	4.2	19.4
10 8	0 45.48	− 7 21.3	2.009	2.990	4.4	19.5
10 18	0 37.56	− 7 34.6	2.052	2.999	7.1	19.7
10 28	0 30.79	− 7 33.1	2.121	3.009	10.1	19.9
11 7	0 25.76	− 7 16.2	2.214	3.019	12.8	20.1

314424 2005 UQ_{425} 10 5.9 33.°92 0.°8/ 6.7 18

8 29	1 10.13	+ 9 23.6	1.891	2.710	15.0	21.6
9 8	1 6.43	+ 9 9.5	1.818	2.716	11.8	21.4
9 18	1 0.67	+ 8 41.4	1.765	2.723	8.0	21.2
9 28	0 53.43	+ 8 2.0	1.738	2.729	3.9	20.9
10 8	0 45.54	+ 7 15.9	1.738	2.736	1.0	20.7
10 18	0 37.94	+ 6 28.5	1.765	2.743	4.9	21.0
10 28	0 31.54	+ 5 46.0	1.820	2.751	8.9	21.3
11 7	0 27.00	+ 5 13.4	1.899	2.759	12.3	21.5

500821 2013 GG_{110} 10 5.9 17.°87 1.°0/ 5.4 18

8 29	1 11.89	+ 4 11.5	0.885	1.767	22.7	19.5
9 8	1 9.62	+ 4 13.7	0.837	1.772	17.7	19.2
9 18	1 3.67	+ 3 59.5	0.804	1.779	11.7	18.9
9 28	0 54.97	+ 3 33.9	0.791	1.787	5.2	18.6
10 8	0 45.15	+ 3 5.3	0.799	1.797	2.0	18.4
10 18	0 36.04	+ 2 42.4	0.829	1.809	8.5	18.9
10 28	0 29.31	+ 2 33.3	0.879	1.821	14.3	19.2
11 7	0 25.95	+ 2 42.2	0.948	1.835	19.3	19.6

72953 2002 CJ_{59} 10 5.9 92.°18 0.°2/ 6.1 17

8 29	1 17.27	+ 8 1.4	1.449	2.278	18.3	19.8
9 8	1 12.37	+ 7 41.6	1.392	2.297	14.2	19.6
9 18	1 4.78	+ 7 5.5	1.354	2.315	9.5	19.4
9 28	0 55.28	+ 6 17.3	1.340	2.333	4.3	19.2
10 8	0 45.08	+ 5 23.3	1.352	2.350	1.0	19.0
10 18	0 35.47	+ 4 31.2	1.391	2.367	6.2	19.4
10 28	0 27.61	+ 3 48.4	1.456	2.384	10.9	19.7
11 7	0 22.28	+ 3 20.1	1.543	2.401	14.8	20.0

168673 2000 EX_{198} 10 5.9 314.°30 0.°7/ 6.6 18

8 29	1 10.63	+ 9 14.4	1.749	2.573	15.8	20.3
9 8	1 7.14	+ 8 59.4	1.665	2.566	12.5	20.1
9 18	1 1.34	+ 8 29.1	1.601	2.560	8.5	19.8
9 28	0 53.82	+ 7 45.9	1.561	2.553	4.1	19.6
10 8	0 45.44	+ 6 54.7	1.548	2.547	1.0	19.3
10 18	0 37.25	+ 6 1.9	1.562	2.540	5.4	19.6
10 28	0 30.31	+ 5 14.4	1.603	2.535	9.8	19.9
11 7	0 25.42	+ 4 38.1	1.667	2.529	13.7	20.1

224835 2006 WO_{182} 10 5.9 236.°47 0.°1/ 5.8 18

8 29	1 14.54	+ 6 56.5	1.796	2.618	15.5	21.0
9 8	1 10.14	+ 6 37.8	1.707	2.609	12.2	20.8
9 18	1 3.35	+ 6 5.5	1.639	2.599	8.2	20.5
9 28	0 54.74	+ 5 22.8	1.596	2.589	3.7	20.2
10 8	0 45.20	+ 4 34.5	1.580	2.579	1.1	20.0
10 18	0 35.82	+ 3 47.0	1.593	2.568	5.8	20.3
10 28	0 27.70	+ 3 6.8	1.632	2.556	10.2	20.6
11 7	0 21.69	+ 2 39.0	1.695	2.545	14.1	20.8

252894 2002 JA_{90} 10 5.9 169.°94 1.°4/ 7.5 18

8 29	1 9.53	+11 50.0	2.334	3.132	13.1	20.5
9 8	1 5.64	+11 34.9	2.248	3.132	10.4	20.3
9 18	1 0.01	+11 6.6	2.184	3.133	7.3	20.1
9 28	0 53.12	+10 26.6	2.146	3.133	3.8	19.9
10 8	0 45.65	+ 9 38.7	2.136	3.133	1.4	19.7
10 18	0 38.36	+ 8 47.2	2.155	3.134	4.2	19.9
10 28	0 32.02	+ 7 57.7	2.203	3.134	7.6	20.1
11 7	0 27.22	+ 7 15.1	2.276	3.134	10.7	20.3

393186 2013 CF_{115} 10 5.9 315.°76 2.°4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.13	− 5 1.1	4.125	4.961	7.2	20.7
9 8	0 59.20	− 5 45.1	4.043	4.955	5.5	20.6
9 18	0 55.39	− 6 30.8	3.987	4.949	3.7	20.4
9 28	0 50.95	− 7 15.4	3.959	4.943	2.5	20.3
10 8	0 46.23	− 7 56.2	3.962	4.937	2.8	20.3
10 18	0 41.60	− 8 30.3	3.993	4.931	4.3	20.5
10 28	0 37.43	− 8 55.8	4.053	4.925	6.1	20.6
11 7	0 34.03	− 9 11.4	4.139	4.920	7.7	20.7

467927 2012 AY_{17} 10 5.9 349.°90 1.°2/ 3.6 16

8 29	1 2.16	+ 1 16.5	3.922	4.748	7.7	21.0
9 8	0 59.27	+ 0 37.8	3.838	4.746	5.9	20.9
9 18	0 55.45	− 0 5.3	3.780	4.744	3.8	20.7
9 28	0 50.98	− 0 50.2	3.749	4.743	1.8	20.6
10 8	0 46.23	− 1 34.1	3.749	4.741	1.6	20.6
10 18	0 41.57	− 2 14.2	3.779	4.740	3.6	20.7
10 28	0 37.40	− 2 47.9	3.838	4.739	5.6	20.9
11 7	0 34.04	− 3 13.3	3.923	4.738	7.5	21.0

333022 2011 QB_{79} 10 5.9 104.°60 1.°4/ 4.5 18

8 29	1 11.52	+ 4 21.5	1.880	2.713	14.5	21.1
9 8	1 7.45	+ 3 37.0	1.812	2.722	11.2	20.9
9 18	1 1.31	+ 2 41.3	1.765	2.730	7.3	20.6
9 28	0 53.72	+ 1 39.1	1.744	2.739	3.2	20.4
10 8	0 45.52	+ 0 36.6	1.751	2.747	2.1	20.4
10 18	0 37.66	− 0 19.5	1.786	2.755	6.0	20.6
10 28	0 31.02	− 1 3.6	1.848	2.763	9.8	20.9
11 7	0 26.27	− 1 31.9	1.933	2.771	13.1	21.1

359352 2009 SH_{290} 10 5.9 250.°05 2.°2/ 1.4 18

8 29	1 3.58	− 6 31.1	4.718	5.549	6.4	21.3
9 8	1 0.18	− 6 57.9	4.632	5.540	4.9	21.2
9 18	0 55.97	− 7 25.3	4.573	5.532	3.4	21.0
9 28	0 51.20	− 7 51.1	4.542	5.523	2.3	21.0
10 8	0 46.19	− 8 13.0	4.541	5.515	2.6	21.0
10 18	0 41.24	− 8 29.3	4.570	5.506	3.9	21.1
10 28	0 36.71	− 8 38.3	4.628	5.498	5.5	21.2
11 7	0 32.87	− 8 39.0	4.711	5.489	6.9	21.3

360954 2005 UN_{93} 10 5.9 8.°86 1.°8/ 4.4 18

8 29	1 13.37	+ 0 47.2	1.910	2.746	14.2	21.2
9 8	1 8.91	+ 0 37.0	1.835	2.747	10.9	21.0
9 18	1 2.33	+ 0 20.2	1.782	2.748	7.2	20.8
9 28	0 54.20	+ 0 0.5	1.755	2.749	3.3	20.5
10 8	0 45.40	− 0 17.4	1.756	2.750	2.4	20.5
10 18	0 36.88	− 0 29.4	1.784	2.752	6.1	20.7
10 28	0 29.57	− 0 31.4	1.839	2.754	9.9	21.0
11 7	0 24.19	− 0 21.3	1.918	2.757	13.2	21.2

198600 2005 AJ_{7} 10 5.9 358.°26 4.°6/ 3.3 18

8 29	1 5.57	− 2 44.2	0.966	1.862	20.0	17.9
9 8	1 4.56	− 3 0.8	0.910	1.854	15.5	17.6
9 18	1 0.28	− 3 24.5	0.871	1.849	10.4	17.3
9 28	0 53.50	− 3 47.4	0.851	1.846	5.7	17.0
10 8	0 45.59	− 4 0.3	0.853	1.845	5.5	17.0
10 18	0 38.13	− 3 56.2	0.876	1.847	10.1	17.3
10 28	0 32.67	− 3 30.2	0.920	1.851	15.2	17.6
11 7	0 30.18	− 2 42.1	0.982	1.858	19.7	17.9

43492 2001 CV 10 5.9 68.°13 5.°6/ 1.4 18 R

8 29	1 13.17	− 3 40.3	1.340	2.206	17.4	19.0
9 8	1 9.37	− 5 1.0	1.291	2.218	13.3	18.8
9 18	1 2.87	− 6 28.4	1.261	2.231	9.1	18.6
9 28	0 54.47	− 7 52.5	1.256	2.243	5.9	18.4
10 8	0 45.36	− 9 2.6	1.276	2.255	6.6	18.5
10 18	0 36.83	− 9 50.5	1.320	2.268	10.2	18.7
10 28	0 30.05	−10 11.8	1.388	2.281	14.1	19.0
11 7	0 25.76	−10 6.2	1.476	2.293	17.5	19.3

235183 2003 SW_{92} 10 5.9 73.°95 0.°7/ 6.6 18

8 29	1 12.58	+ 9 5.0	1.771	2.591	15.8	21.0
9 8	1 8.52	+ 8 52.1	1.695	2.595	12.4	20.8
9 18	1 2.18	+ 8 24.6	1.640	2.598	8.5	20.5
9 28	0 54.18	+ 7 45.1	1.610	2.601	4.1	20.3
10 8	0 45.43	+ 6 58.4	1.606	2.605	1.0	20.1
10 18	0 36.97	+ 6 10.5	1.630	2.608	5.3	20.4
10 28	0 29.82	+ 5 27.9	1.681	2.612	9.5	20.6
11 7	0 24.72	+ 4 56.1	1.756	2.615	13.2	20.9

388210 2006 GV_{19} 10 5.9 221.°09 3.°5/ 3.1 18

8 29	1 17.42	− 3 52.3	1.963	2.799	13.9	21.6
9 8	1 12.04	− 4 14.6	1.883	2.793	10.8	21.4
9 18	1 4.43	− 4 40.3	1.825	2.788	7.3	21.2
9 28	0 55.18	− 5 4.6	1.793	2.782	4.1	21.0
10 8	0 45.18	− 5 22.2	1.789	2.776	4.1	21.0
10 18	0 35.42	− 5 28.7	1.814	2.769	7.3	21.1
10 28	0 26.91	− 5 20.9	1.866	2.762	10.8	21.3
11 7	0 20.40	− 4 57.8	1.942	2.755	14.1	21.5

218498 2004 TB_{75} 10 5.9 13°.64 0°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.91	+ 7 23.5	1.668	2.506	15.8	19.9
9 8	1 4.98	+ 7 1.3	1.600	2.511	12.3	19.7
9 18	0 59.85	+ 6 25.0	1.552	2.516	8.2	19.4
9 28	0 53.13	+ 5 38.2	1.528	2.522	3.7	19.2
10 8	0 45.72	+ 4 46.7	1.531	2.529	1.0	19.0
10 18	0 38.63	+ 3 57.0	1.560	2.537	5.6	19.3
10 28	0 32.83	+ 3 15.7	1.615	2.546	9.8	19.6
11 7	0 29.02	+ 2 47.6	1.693	2.555	13.5	19.9

316017 2009 FS_{22} 10 5.9 64°.48 2°.2/ 4.2 17

8 29	1 13.25	+ 4 21.6	1.264	2.119	18.9	20.2
9 8	1 9.59	+ 3 25.6	1.212	2.134	14.5	20.0
9 18	1 3.10	+ 2 13.9	1.179	2.149	9.4	19.7
9 28	0 54.60	+ 0 54.0	1.169	2.164	4.2	19.5
10 8	0 45.36	− 0 23.9	1.184	2.180	3.1	19.5
10 18	0 36.72	− 1 30.2	1.225	2.195	7.9	19.8
10 28	0 29.93	− 2 17.1	1.290	2.211	12.7	20.1
11 7	0 25.74	− 2 41.1	1.375	2.226	16.7	20.4

104229 2000 ER_{128} 10 5.9 128°.59 2°.0/ 3.9 18

8 29	1 11.60	+ 1 55.5	1.984	2.820	13.8	19.9
9 8	1 7.44	+ 1 14.7	1.912	2.824	10.6	19.7
9 18	1 1.30	+ 0 25.2	1.862	2.828	6.9	19.5
9 28	0 53.74	− 0 28.5	1.838	2.832	3.2	19.3
10 8	0 45.57	− 1 20.4	1.842	2.835	2.7	19.3
10 18	0 37.68	− 2 4.7	1.874	2.839	6.2	19.5
10 28	0 30.94	− 2 36.7	1.933	2.842	9.8	19.7
11 7	0 26.01	− 2 53.2	2.016	2.845	13.0	20.0

228142 2009 RZ_{45} 10 5.9 316°.90 0°.8/ 6.5 18

8 29	1 11.92	+ 9 0.2	1.429	2.265	18.1	20.9
9 8	1 8.69	+ 8 51.0	1.349	2.257	14.3	20.6
9 18	1 2.70	+ 8 24.1	1.287	2.249	9.8	20.3
9 28	0 54.56	+ 7 42.2	1.249	2.241	4.7	20.0
10 8	0 45.33	+ 6 50.6	1.235	2.234	1.1	19.8
10 18	0 36.32	+ 5 57.0	1.247	2.227	6.3	20.1
10 28	0 28.84	+ 5 9.9	1.285	2.220	11.4	20.4
11 7	0 23.85	+ 4 36.2	1.344	2.214	15.8	20.6

453444 2009 QR_{62} 10 5.9 14°.84 0°.1/ 6.0 15

8 29	1 7.40	+ 8 36.4	1.830	2.660	15.0	21.1
9 8	1 4.42	+ 8 3.2	1.757	2.663	11.7	20.9
9 18	0 59.40	+ 7 15.3	1.705	2.667	7.8	20.6
9 28	0 52.91	+ 6 16.1	1.678	2.671	3.6	20.4
10 8	0 45.79	+ 5 11.6	1.678	2.676	0.9	20.2
10 18	0 38.93	+ 4 8.3	1.705	2.682	5.2	20.5
10 28	0 33.25	+ 3 13.2	1.759	2.688	9.3	20.8
11 7	0 29.39	+ 2 31.4	1.836	2.695	12.8	21.0

387282 2012 UU_{140} 10 5.9 272°.58 4°.0/ 8.8 18

8 29	1 17.15	+14 51.5	1.819	2.607	16.7	21.2
9 8	1 12.41	+15 31.3	1.721	2.593	13.7	20.9
9 18	1 5.07	+15 56.1	1.643	2.579	10.2	20.7
9 28	0 55.64	+16 4.5	1.588	2.564	6.5	20.4
10 8	0 45.04	+15 57.0	1.560	2.550	4.0	20.3
10 18	0 34.44	+15 36.7	1.560	2.535	5.9	20.4
10 28	0 25.09	+15 9.2	1.587	2.520	9.8	20.5
11 7	0 17.97	+14 41.4	1.638	2.506	13.6	20.7

50213 2000 AJ_{234} 10 5.9 296°.31 0°.2/ 6.1 18

8 29	1 12.48	+ 8 27.7	1.491	2.325	17.6	19.2
9 8	1 8.94	+ 8 4.5	1.414	2.322	13.8	19.0
9 18	1 2.74	+ 7 23.9	1.356	2.318	9.4	18.7
9 28	0 54.53	+ 6 29.3	1.322	2.315	4.3	18.4
10 8	0 45.36	+ 5 27.0	1.313	2.312	1.0	18.2
10 18	0 36.46	+ 4 25.0	1.331	2.309	6.3	18.5
10 28	0 29.07	+ 3 31.9	1.374	2.306	11.2	18.8
11 7	0 24.07	+ 2 54.0	1.440	2.303	15.4	19.1

515999 2015 RC_{234} 10 5.9 38°.11 2°.2/ 3.4 18

8 29	1 6.88	+ 3 35.2	1.919	2.762	13.9	21.0
9 8	1 3.85	+ 2 20.8	1.852	2.769	10.6	20.8
9 18	0 58.93	+ 0 54.7	1.808	2.777	6.9	20.6
9 28	0 52.67	− 0 37.0	1.790	2.785	3.2	20.4
10 8	0 45.86	− 2 6.6	1.800	2.793	3.0	20.4
10 18	0 39.35	− 3 26.4	1.838	2.801	6.5	20.7
10 28	0 33.95	− 4 30.3	1.903	2.810	10.1	20.9
11 7	0 30.26	− 5 14.5	1.991	2.819	13.2	21.1

263733 2008 HR_{66} 10 5.9 84°.28 6°.5/30.3 17

8 29	1 14.91	− 7 22.5	1.536	2.394	16.0	20.4
9 8	1 10.27	− 8 52.1	1.495	2.416	12.3	20.2
9 18	1 3.22	−10 23.0	1.476	2.437	8.8	20.1
9 28	0 54.57	−11 45.4	1.481	2.459	6.6	20.0
10 8	0 45.40	−12 49.9	1.513	2.480	7.5	20.1
10 18	0 36.85	−13 30.4	1.571	2.501	10.4	20.3
10 28	0 29.93	−13 44.2	1.653	2.522	13.6	20.6
11 7	0 25.30	−13 32.4	1.755	2.542	16.4	20.8

445656 2011 UD_{67} 10 5.9 16°.75 2°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.01	+ 0 38.0	1.640	2.492	15.4	21.1
9 8	1 6.62	− 0 8.3	1.574	2.495	11.8	20.9
9 18	1 0.95	− 1 3.9	1.528	2.498	7.8	20.7
9 28	0 53.64	− 2 2.9	1.508	2.501	3.9	20.4
10 8	0 45.61	− 2 57.8	1.514	2.505	3.6	20.4
10 18	0 37.93	− 3 41.9	1.546	2.509	7.4	20.7
10 28	0 31.60	− 4 9.5	1.603	2.514	11.4	20.9
11 7	0 27.33	− 4 18.1	1.683	2.519	14.8	21.2

239958 2001 GH_9 10 5.9 74°.34 5°.8/30.9 18

8 29	1 15.02	− 8 28.8	1.761	2.611	14.6	20.1
9 8	1 10.10	− 9 25.5	1.714	2.631	11.3	20.0
9 18	1 3.00	−10 21.9	1.691	2.650	8.1	19.8
9 28	0 54.46	−11 10.6	1.692	2.670	5.9	19.7
10 8	0 45.44	−11 45.0	1.720	2.689	6.5	19.8
10 18	0 36.96	−12 0.4	1.775	2.709	9.1	20.0
10 28	0 29.94	−11 54.8	1.855	2.728	12.1	20.3
11 7	0 24.98	−11 29.2	1.957	2.747	14.8	20.5

479875 2014 GX_{46} 10 5.9 244°.49 1°.5/ 4.4 18

8 29	1 11.57	+ 4 6.2	2.103	2.930	13.4	21.9
9 8	1 7.51	+ 3 20.8	2.009	2.916	10.4	21.7
9 18	1 1.45	+ 2 24.1	1.937	2.901	6.9	21.5
9 28	0 53.88	+ 1 20.0	1.892	2.886	3.1	21.2
10 8	0 45.55	+ 0 14.5	1.875	2.871	2.1	21.1
10 18	0 37.33	− 0 46.3	1.888	2.855	5.9	21.3
10 28	0 30.12	− 1 36.2	1.927	2.839	9.7	21.5
11 7	0 24.64	− 2 11.1	1.991	2.822	13.1	21.7

96515 1998 QT_{85} 10 5.9 321°.61 6°.7/12.7 18

8 29	1 12.83	+25 12.7	2.222	2.948	15.8	19.5
9 8	1 8.65	+26 0.2	2.129	2.943	13.6	19.4
9 18	1 2.31	+26 29.0	2.054	2.939	11.1	19.2
9 28	0 54.31	+26 36.5	2.001	2.935	8.6	19.0
10 8	0 45.44	+26 22.4	1.974	2.931	6.9	18.9
10 18	0 36.64	+25 48.7	1.974	2.927	7.0	18.9
10 28	0 28.92	+25 0.5	2.001	2.923	8.8	19.0
11 7	0 23.05	+24 5.1	2.052	2.919	11.2	19.2

265921 2006 BC_{128} 10 5.9 331°.11 0°.5/ 5.4 17

8 29	1 7.56	+ 6 34.2	1.946	2.778	14.1	21.1
9 8	1 4.53	+ 6 1.5	1.860	2.769	11.0	20.8
9 18	0 59.51	+ 5 15.9	1.796	2.760	7.3	20.6
9 28	0 53.01	+ 4 20.9	1.757	2.752	3.2	20.3
10 8	0 45.80	+ 3 21.9	1.746	2.744	1.2	20.2
10 18	0 38.76	+ 2 25.2	1.762	2.736	5.4	20.5
10 28	0 32.77	+ 1 37.1	1.804	2.729	9.4	20.7
11 7	0 28.54	+ 1 2.3	1.871	2.722	12.9	20.9

45998 2001 BZ_{75} 10 5.9 134°.75 1°.9/ 7.9 18

8 29	1 12.17	+13 45.8	2.090	2.882	14.7	19.7
9 8	1 7.85	+13 24.4	2.012	2.891	11.7	19.5
9 18	1 1.57	+12 46.5	1.955	2.899	8.3	19.3
9 28	0 53.88	+11 54.1	1.923	2.908	4.5	19.1
10 8	0 45.59	+10 51.4	1.920	2.916	1.9	19.0
10 18	0 37.58	+ 9 44.2	1.945	2.924	4.5	19.2
10 28	0 30.71	+ 8 39.2	1.999	2.931	8.2	19.4
11 7	0 25.62	+ 7 42.4	2.078	2.938	11.5	19.6

441750 2009 BG_{169} 10 5.9 115°.49 3°.9/10.0 18

8 29	1 12.86	+18 41.2	2.088	2.855	15.5	21.2
9 8	1 8.48	+18 47.3	2.008	2.865	12.7	21.1
9 18	1 2.04	+18 35.1	1.949	2.874	9.5	20.9
9 28	0 54.12	+18 4.6	1.914	2.883	6.3	20.7
10 8	0 45.54	+17 18.3	1.906	2.892	4.0	20.6
10 18	0 37.22	+16 20.8	1.926	2.900	5.1	20.7
10 28	0 30.07	+15 18.9	1.974	2.909	8.1	20.9
11 7	0 24.79	+14 19.4	2.048	2.917	11.2	21.1

471536 2012 JS_9 10 5.9 53°.03 1°.6/ 4.8 16

8 29	1 15.65	+ 3 40.4	1.262	2.115	19.1	21.2
9 8	1 11.37	+ 3 14.9	1.215	2.135	14.6	21.0
9 18	1 4.23	+ 2 36.6	1.186	2.155	9.6	20.8
9 28	0 55.11	+ 1 51.1	1.181	2.176	4.2	20.5
10 8	0 45.31	+ 1 6.3	1.200	2.197	2.4	20.5
10 18	0 36.22	+ 0 29.8	1.245	2.219	7.4	20.8
10 28	0 29.05	+ 0 7.7	1.315	2.240	12.1	21.2
11 7	0 24.54	+ 0 3.1	1.406	2.262	16.1	21.5

459426 2012 SF_4 10 5.9 199°.96 0°.1/ 5.9 16

8 29	1 32.89	+ 1 33.8	1.201	2.031	21.2	20.9
9 8	1 25.73	+ 2 29.8	1.124	2.030	16.8	20.6
9 18	1 14.52	+ 3 21.4	1.067	2.028	11.4	20.3
9 28	1 0.07	+ 4 9.5	1.033	2.026	5.2	19.9
10 8	0 43.97	+ 4 55.4	1.025	2.024	1.4	19.7
10 18	0 28.27	+ 5 40.6	1.045	2.021	7.9	20.1
10 28	0 14.99	+ 6 27.7	1.091	2.018	13.8	20.4
11 7	0 5.44	+ 7 19.5	1.159	2.014	18.8	20.7

296211 2009 CB_{15} 10 5.9 73°.92 8°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.34	+26 15.5	1.880	2.606	18.3	20.5
9 8	1 12.52	+27 22.6	1.800	2.612	15.8	20.3
9 18	1 5.08	+28 8.2	1.738	2.619	13.0	20.2
9 28	0 55.61	+28 28.2	1.698	2.625	10.3	20.0
10 8	0 45.13	+28 21.3	1.681	2.632	8.4	19.9
10 18	0 34.84	+27 49.6	1.691	2.639	8.4	19.9
10 28	0 25.97	+26 59.5	1.727	2.645	10.1	20.1
11 7	0 19.44	+26 0.0	1.786	2.652	12.7	20.2

383069 2005 RH_{10} 10 5.9 23°.58 2°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.82	+10 11.8	1.212	2.052	20.5	20.3
9 8	1 11.22	+10 42.6	1.151	2.059	16.3	20.1
9 18	1 4.47	+10 55.6	1.108	2.066	11.4	19.8
9 28	0 55.36	+10 51.4	1.086	2.075	6.1	19.5
10 8	0 45.23	+10 33.6	1.087	2.084	2.5	19.4
10 18	0 35.58	+10 8.3	1.114	2.095	6.5	19.6
10 28	0 27.87	+ 9 43.6	1.164	2.106	11.6	20.0
11 7	0 23.05	+ 9 26.5	1.235	2.118	16.0	20.3

390118 2012 VK_{44} 10 5.9 346°.69 0°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.47	+ 6 56.3	1.590	2.426	16.6	20.8
9 8	1 7.97	+ 6 39.6	1.513	2.423	13.0	20.6
9 18	1 2.01	+ 6 8.5	1.457	2.420	8.7	20.3
9 28	0 54.20	+ 5 26.4	1.424	2.418	3.9	20.0
10 8	0 45.52	+ 4 38.9	1.418	2.416	1.1	19.8
10 18	0 37.10	+ 3 52.7	1.438	2.415	6.0	20.2
10 28	0 30.08	+ 3 14.9	1.483	2.413	10.6	20.4
11 7	0 25.28	+ 2 50.7	1.552	2.413	14.6	20.7

286842 Joris 10 5.9 83°.92 0°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.21	+10 17.1	2.382	3.185	12.7	21.5
9 8	1 5.26	+ 9 49.2	2.310	3.200	10.0	21.3
9 18	0 59.69	+ 9 8.9	2.261	3.214	6.8	21.1
9 28	0 53.00	+ 8 19.0	2.239	3.229	3.3	20.9
10 8	0 45.85	+ 7 23.6	2.245	3.243	0.8	20.7
10 18	0 38.97	+ 6 27.7	2.280	3.257	4.1	21.0
10 28	0 33.05	+ 5 36.2	2.344	3.272	7.4	21.3
11 7	0 28.62	+ 4 53.6	2.434	3.286	10.3	21.5

45306 2000 AC_{50} 10 5.9 216°.83 1°.4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.94	+12 8.6	2.769	3.555	11.6	19.4
9 8	1 5.75	+11 58.6	2.672	3.549	9.2	19.2
9 18	1 0.03	+11 37.0	2.599	3.543	6.5	19.0
9 28	0 53.18	+11 5.4	2.551	3.536	3.5	18.8
10 8	0 45.79	+10 26.3	2.533	3.530	1.4	18.7
10 18	0 38.52	+ 9 43.4	2.545	3.523	3.7	18.8
10 28	0 32.02	+ 9 0.9	2.586	3.515	6.7	19.0
11 7	0 26.84	+ 8 23.0	2.654	3.508	9.5	19.2

114987 Tittel 10 5.9 164°.16 1°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.44	+ 3 59.6	2.612	3.432	11.3	20.6
9 8	1 5.33	+ 3 25.6	2.531	3.434	8.7	20.4
9 18	0 59.71	+ 2 43.6	2.475	3.437	5.7	20.2
9 28	0 53.02	+ 1 56.9	2.445	3.439	2.5	20.0
10 8	0 45.85	+ 1 9.6	2.445	3.441	1.5	19.9
10 18	0 38.87	+ 0 26.0	2.475	3.443	4.6	20.2
10 28	0 32.73	− 0 9.7	2.533	3.445	7.6	20.4
11 7	0 27.95	− 0 34.7	2.616	3.446	10.4	20.5

260356 2004 TF_{327} 10 5.9 357°.93 5°.0/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.36	+19 14.7	1.821	2.603	16.9	20.0
9 8	1 6.21	+19 41.2	1.738	2.600	14.1	19.8
9 18	1 0.80	+19 48.0	1.673	2.598	10.8	19.6
9 28	0 53.66	+19 34.0	1.631	2.597	7.4	19.4
10 8	0 45.67	+19 0.8	1.614	2.597	5.1	19.2
10 18	0 37.86	+18 12.8	1.624	2.597	5.9	19.3
10 28	0 31.28	+17 16.8	1.659	2.598	9.0	19.5
11 7	0 26.72	+16 20.8	1.719	2.600	12.3	19.7

374382 2005 UA_{434} 10 5.9 278°.62 1°.9/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.84	− 1 9.0	3.210	4.037	9.2	21.6
9 8	1 3.91	− 1 34.1	3.112	4.020	7.1	21.4
9 18	0 58.70	− 2 3.1	3.039	4.002	4.7	21.2
9 28	0 52.56	− 2 33.2	2.993	3.985	2.4	21.0
10 8	0 45.97	− 3 1.0	2.977	3.967	2.3	21.0
10 18	0 39.45	− 3 23.6	2.991	3.949	4.6	21.2
10 28	0 33.54	− 3 38.3	3.034	3.931	7.1	21.3
11 7	0 28.72	− 3 43.0	3.102	3.913	9.4	21.4

343786 2011 GL_{37} 10 5.9 55°.01 0°.4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.50	+ 5 54.3	1.382	2.223	18.3	20.4
9 8	1 11.13	+ 5 41.5	1.329	2.241	14.2	20.2
9 18	1 4.03	+ 5 14.7	1.295	2.260	9.4	20.0
9 28	0 55.04	+ 4 38.0	1.284	2.279	4.2	19.7
10 8	0 45.36	+ 3 58.0	1.299	2.298	1.3	19.6
10 18	0 36.27	+ 3 21.5	1.341	2.317	6.4	20.0
10 28	0 28.96	+ 2 54.9	1.407	2.337	11.1	20.3
11 7	0 24.17	+ 2 42.6	1.496	2.356	15.1	20.6

158563 2002 JM_{88} 10 5.9 17°.77 3°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.20	− 5 56.3	1.929	2.770	13.9	19.2
9 8	1 11.03	− 6 5.8	1.860	2.773	10.8	19.0
9 18	1 3.71	− 6 16.1	1.814	2.776	7.3	18.8
9 28	0 54.87	− 6 22.6	1.793	2.780	4.4	18.7
10 8	0 45.41	− 6 20.8	1.800	2.784	4.4	18.7
10 18	0 36.31	− 6 7.3	1.836	2.789	7.3	18.9
10 28	0 28.50	− 5 40.2	1.897	2.794	10.7	19.1
11 7	0 22.68	− 4 59.3	1.983	2.799	13.7	19.3

375180 2008 DB_{38} 10 5.9 228°.47 0°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.10	+10 1.9	1.703	2.520	16.5	21.4
9 8	1 9.98	+ 9 42.2	1.616	2.513	13.1	21.2
9 18	1 3.37	+ 9 5.4	1.549	2.505	9.0	20.9
9 28	0 54.85	+ 8 14.1	1.506	2.497	4.4	20.7
10 8	0 45.39	+ 7 13.3	1.491	2.489	1.1	20.4
10 18	0 36.10	+ 6 10.1	1.503	2.481	5.7	20.7
10 28	0 28.15	+ 5 12.4	1.541	2.472	10.3	21.0
11 7	0 22.41	+ 4 26.9	1.604	2.462	14.3	21.2

132721 2002 PS_{3} 10 5.9 91°.26 0°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.71	+ 7 12.8	1.857	2.674	15.3	20.0
9 8	1 10.72	+ 7 8.8	1.789	2.688	11.9	19.8
9 18	1 3.54	+ 6 53.0	1.743	2.701	8.0	19.6
9 28	0 54.80	+ 6 28.1	1.723	2.715	3.7	19.4
10 8	0 45.43	+ 5 58.2	1.730	2.728	0.9	19.2
10 18	0 36.45	+ 5 28.4	1.765	2.741	5.2	19.6
10 28	0 28.80	+ 5 3.7	1.828	2.755	9.2	19.8
11 7	0 23.20	+ 4 48.3	1.915	2.767	12.6	20.1

390325 2013 BQ_{17} 10 5.9 130°.13 0°.2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.55	+ 8 0.8	4.809	5.604	6.9	21.6
9 8	0 59.41	+ 7 41.4	4.723	5.610	5.3	21.5
9 18	0 55.49	+ 7 16.7	4.662	5.615	3.6	21.3
9 28	0 51.06	+ 6 48.0	4.630	5.621	1.7	21.2
10 8	0 46.40	+ 6 17.1	4.628	5.627	0.4	21.1
10 18	0 41.82	+ 5 46.2	4.657	5.633	2.3	21.3
10 28	0 37.65	+ 5 17.1	4.716	5.638	4.1	21.4
11 7	0 34.15	+ 4 52.0	4.803	5.644	5.8	21.5

274156 2008 FH_{103} 10 5.9 212°.65 3°.3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.79	− 0 38.0	1.686	2.530	15.4	21.8
9 8	1 10.39	− 1 25.4	1.610	2.526	11.9	21.6
9 18	1 3.54	− 2 21.5	1.555	2.522	7.9	21.3
9 28	0 54.89	− 3 20.1	1.526	2.518	4.2	21.1
10 8	0 45.40	− 4 13.8	1.524	2.513	4.1	21.1
10 18	0 36.18	− 4 55.6	1.549	2.508	7.8	21.3
10 28	0 28.35	− 5 20.0	1.600	2.503	11.9	21.5
11 7	0 22.71	− 5 24.7	1.673	2.497	15.5	21.8

521863 2015 TM_{377} 10 5.9 218°.49 0°.1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.40	+ 8 43.1	2.816	3.621	11.0	22.2
9 8	1 3.75	+ 7 50.4	2.721	3.614	8.5	22.1
9 18	0 58.67	+ 6 46.1	2.650	3.607	5.7	21.9
9 28	0 52.58	+ 5 33.4	2.607	3.599	2.6	21.6
10 8	0 46.00	+ 4 16.5	2.593	3.592	0.8	21.5
10 18	0 39.55	+ 3 0.5	2.610	3.583	4.0	21.7
10 28	0 33.83	+ 1 50.6	2.657	3.575	7.1	21.9
11 7	0 29.35	+ 0 51.1	2.731	3.566	9.8	22.1

260346 2004 TN_{268} 10 5.9 258°.41 1°.7/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.13	+ 1 1.3	2.558	3.383	11.4	20.9
9 8	1 6.81	+ 0 33.9	2.460	3.366	8.8	20.7
9 18	1 0.82	− 0 0.0	2.386	3.349	5.8	20.5
9 28	0 53.59	− 0 37.0	2.339	3.332	2.7	20.2
10 8	0 45.74	− 1 13.1	2.321	3.315	2.2	20.2
10 18	0 37.97	− 1 43.9	2.333	3.297	5.2	20.4
10 28	0 31.01	− 2 5.8	2.373	3.279	8.4	20.5
11 7	0 25.46	− 2 15.9	2.439	3.261	11.3	20.7

101199 1998 SG_{32} 10 5.9 301°.32 0°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.07	+ 7 54.2	1.733	2.557	15.9	19.6
9 8	1 9.24	+ 7 57.5	1.639	2.541	12.6	19.3
9 18	1 2.94	+ 7 48.0	1.566	2.525	8.7	19.1
9 28	0 54.70	+ 7 27.2	1.517	2.509	4.2	18.8
10 8	0 45.44	+ 6 58.9	1.494	2.493	1.0	18.5
10 18	0 36.24	+ 6 28.4	1.499	2.477	5.6	18.8
10 28	0 28.27	+ 6 1.6	1.530	2.461	10.2	19.0
11 7	0 22.44	+ 5 44.1	1.584	2.446	14.3	19.2

324825 2007 HY_{90} 10 5.9 188°.92 0°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.78	+ 6 15.2	3.050	3.854	10.2	22.6
9 8	1 5.42	+ 5 47.2	2.960	3.853	7.9	22.4
9 18	0 59.70	+ 5 11.2	2.894	3.851	5.2	22.3
9 28	0 53.02	+ 4 29.6	2.856	3.849	2.3	22.1
10 8	0 45.90	+ 3 45.7	2.848	3.846	0.8	21.9
10 18	0 38.92	+ 3 3.0	2.871	3.843	3.8	22.2
10 28	0 32.65	+ 2 25.2	2.923	3.839	6.6	22.3
11 7	0 27.56	+ 1 55.4	3.003	3.835	9.1	22.5

145730 1994 UG_{10} 10 5.9 147°.38 1°.5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.51	+11 59.7	1.866	2.669	15.8	20.8
9 8	1 9.92	+11 41.3	1.789	2.676	12.5	20.6
9 18	1 3.10	+11 6.3	1.733	2.683	8.7	20.4
9 28	0 54.65	+10 16.7	1.702	2.690	4.5	20.2
10 8	0 45.49	+ 9 17.3	1.698	2.696	1.5	20.0
10 18	0 36.63	+ 8 14.4	1.723	2.702	5.0	20.3
10 28	0 29.08	+ 7 15.2	1.776	2.707	9.1	20.5
11 7	0 23.56	+ 6 25.8	1.853	2.711	12.7	20.8

349827 2009 CM_{7} 10 5.9 303°.16 1°.8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.41	+ 9 13.6	1.689	2.506	16.6	21.0
9 8	1 11.21	+ 9 39.1	1.592	2.488	13.3	20.8
9 18	1 4.37	+ 9 52.4	1.515	2.470	9.3	20.5
9 28	0 55.41	+ 9 53.7	1.463	2.452	4.9	20.2
10 8	0 45.26	+ 9 45.3	1.436	2.434	1.9	19.9
10 18	0 35.11	+ 9 31.1	1.437	2.416	5.7	20.2
10 28	0 26.24	+ 9 16.6	1.465	2.399	10.3	20.4
11 7	0 19.64	+ 9 7.6	1.515	2.382	14.5	20.6

218194 2002 TT_{91} 10 5.9 21°.71 4°.5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.00	+17 19.0	1.183	2.010	21.7	19.2
9 8	1 6.84	+17 24.0	1.121	2.016	17.8	19.0
9 18	1 1.63	+17 0.5	1.076	2.023	13.1	18.8
9 28	0 54.13	+16 8.8	1.050	2.031	8.1	18.5
10 8	0 45.62	+14 54.2	1.047	2.040	4.5	18.3
10 18	0 37.57	+13 26.5	1.068	2.050	6.7	18.5
10 28	0 31.38	+11 58.4	1.113	2.060	11.3	18.8
11 7	0 27.97	+10 41.3	1.179	2.072	15.8	19.1

137445 1999 TE_{247} 10 5.9 190°.94 1°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.27	+13 39.3	1.622	2.433	17.5	19.9
9 8	1 8.62	+13 10.9	1.542	2.432	14.0	19.7
9 18	1 2.47	+12 21.2	1.481	2.432	9.8	19.4
9 28	0 54.44	+11 12.2	1.444	2.431	5.2	19.2
10 8	0 45.54	+ 9 49.7	1.433	2.430	1.9	18.9
10 18	0 36.91	+ 8 22.1	1.449	2.429	5.5	19.2
10 28	0 29.69	+ 6 59.1	1.492	2.427	10.1	19.4
11 7	0 24.72	+ 5 48.9	1.559	2.425	14.2	19.7

262068 2006 RV_{47} 10 5.9 37°.78 5°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.64	− 4 55.3	1.178	2.049	18.9	19.9
9 8	1 11.69	− 5 39.6	1.129	2.058	14.6	19.7
9 18	1 4.64	− 6 28.1	1.098	2.068	10.0	19.4
9 28	0 55.40	− 7 11.9	1.090	2.079	6.2	19.3
10 8	0 45.34	− 7 41.7	1.106	2.090	6.5	19.3
10 18	0 35.96	− 7 50.9	1.146	2.102	10.4	19.6
10 28	0 28.60	− 7 36.2	1.209	2.115	14.7	19.9
11 7	0 24.08	− 6 58.5	1.291	2.128	18.4	20.1

177284 2003 WS_{152} 10 5.9 296°.95 18°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.67	−37 5.9	1.407	2.221	19.5	19.2
9 8	1 15.44	−39 19.5	1.364	2.200	18.7	19.0
9 18	1 7.55	−41 8.0	1.339	2.179	18.6	19.0
9 28	0 56.87	−42 16.1	1.331	2.158	19.2	19.0
10 8	0 44.95	−42 33.3	1.339	2.137	20.5	19.0
10 18	0 33.62	−41 55.7	1.364	2.116	22.2	19.1
10 28	0 24.57	−40 26.6	1.402	2.096	23.9	19.2
11 7	0 18.85	−38 14.4	1.451	2.076	25.6	19.3

283444 2000 WS_{111} 10 5.9 284°.59 3°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.96	+15 31.3	1.805	2.598	16.6	19.9
9 8	1 9.26	+15 43.6	1.699	2.575	13.7	19.7
9 18	1 3.07	+15 37.8	1.612	2.551	10.1	19.4
9 28	0 54.84	+15 13.1	1.549	2.528	6.3	19.1
10 8	0 45.45	+14 31.4	1.512	2.504	3.6	18.9
10 18	0 36.00	+13 37.4	1.502	2.480	5.7	19.0
10 28	0 27.69	+12 38.5	1.519	2.456	9.8	19.2
11 7	0 21.52	+11 42.8	1.560	2.432	13.9	19.4

51640 2001 HP_{54} 10 5.9 186°.44 1°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.12	+ 5 42.0	1.607	2.445	16.4	19.8
9 8	1 8.43	+ 4 46.4	1.532	2.445	12.7	19.5
9 18	1 2.30	+ 3 35.1	1.478	2.444	8.3	19.3
9 28	0 54.37	+ 2 13.5	1.449	2.444	3.7	19.0
10 8	0 45.62	+ 0 49.9	1.447	2.443	2.3	18.9
10 18	0 37.17	− 0 26.9	1.472	2.442	6.8	19.2
10 28	0 30.12	− 1 28.9	1.523	2.441	11.3	19.4
11 7	0 25.26	− 2 11.1	1.597	2.440	15.1	19.7

385395 2002 VO_{14} 10 5.9 345°.35 20°.9/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	0 38.33	+53 11.9	1.013	1.675	34.0	19.6
9 8	0 44.32	+54 56.6	0.932	1.646	33.4	19.3
9 18	0 47.46	+55 48.1	0.855	1.619	32.2	19.1
9 28	0 48.04	+55 29.5	0.783	1.595	30.5	18.8
10 8	0 47.21	+53 43.5	0.720	1.575	28.1	18.5
10 18	0 46.68	+50 14.8	0.667	1.558	25.2	18.2
10 28	0 48.39	+44 59.0	0.629	1.546	22.4	18.0
11 7	0 53.47	+38 14.1	0.611	1.538	20.9	17.9

75620 2000 AP_{42} 10 5.9 1°.27 9°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.50	+21 8.9	0.917	1.757	25.5	17.7
9 8	1 4.33	+22 34.6	0.858	1.752	21.9	17.4
9 18	1 0.58	+23 28.9	0.813	1.750	17.6	17.2
9 28	0 53.91	+23 45.2	0.784	1.749	13.1	17.0
10 8	0 45.74	+23 22.5	0.773	1.752	10.0	16.8
10 18	0 37.91	+22 26.3	0.782	1.756	10.2	16.8
10 28	0 32.27	+21 9.8	0.811	1.763	13.6	17.1
11 7	0 30.03	+19 49.1	0.858	1.772	17.8	17.3

432660 2011 AR_{12} 10 5.9 301°.33 5°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.47	+18 40.6	1.469	2.266	19.6	21.0
9 8	1 9.28	+18 59.4	1.385	2.258	16.3	20.8
9 18	1 3.24	+18 54.1	1.318	2.252	12.4	20.5
9 28	0 54.95	+18 23.1	1.272	2.245	8.2	20.3
10 8	0 45.49	+17 28.5	1.251	2.238	5.3	20.1
10 18	0 36.19	+16 16.5	1.255	2.232	6.7	20.1
10 28	0 28.44	+14 57.3	1.283	2.225	10.7	20.4
11 7	0 23.26	+13 41.7	1.335	2.219	14.9	20.6

123828 2001 CJ_{9} 10 5.9 210°.82 2°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.32	+12 38.3	2.458	3.243	12.9	19.8
9 8	1 7.82	+12 45.5	2.366	3.241	10.3	19.6
9 18	1 1.55	+12 40.7	2.297	3.239	7.4	19.4
9 28	0 53.97	+12 24.6	2.254	3.236	4.2	19.2
10 8	0 45.76	+11 59.5	2.239	3.233	2.0	19.0
10 18	0 37.69	+11 28.8	2.253	3.230	4.1	19.2
10 28	0 30.54	+10 57.0	2.296	3.227	7.3	19.4
11 7	0 24.92	+10 28.5	2.366	3.224	10.3	19.6

358975 2008 SY_{16} 10 5.9 175°.83 0°.8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.78	+11 17.4	4.625	5.406	7.3	21.5
9 8	0 59.67	+11 2.6	4.531	5.406	5.8	21.4
9 18	0 55.73	+10 41.1	4.462	5.407	4.0	21.3
9 28	0 51.23	+10 14.2	4.421	5.407	2.1	21.1
10 8	0 46.47	+ 9 43.5	4.410	5.407	0.8	21.0
10 18	0 41.79	+ 9 11.1	4.430	5.407	2.3	21.2
10 28	0 37.53	+ 8 39.2	4.479	5.407	4.1	21.3
11 7	0 33.97	+ 8 10.1	4.557	5.407	5.9	21.4

305364 2008 BG_{41} 10 5.9 309°.99 6°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.02	− 8 35.8	1.729	2.594	14.1	20.3
9 8	1 5.20	−10 13.9	1.655	2.579	11.1	20.0
9 18	1 0.16	−11 56.3	1.604	2.565	8.3	19.8
9 28	0 53.43	−13 33.4	1.578	2.551	6.9	19.7
10 8	0 45.90	−14 55.3	1.578	2.537	8.1	19.8
10 18	0 38.55	−15 54.0	1.603	2.523	10.9	19.9
10 28	0 32.40	−16 24.6	1.652	2.510	14.1	20.1
11 7	0 28.23	−16 26.5	1.720	2.497	17.1	20.3

428574 2008 DE_{23} 10 5.9 160°.61 1°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.27	+ 4 11.4	1.914	2.735	14.8	21.9
9 8	1 11.96	+ 3 44.3	1.839	2.741	11.4	21.7
9 18	1 4.42	+ 3 6.9	1.786	2.748	7.5	21.5
9 28	0 55.29	+ 2 22.9	1.759	2.753	3.3	21.3
10 8	0 45.46	+ 1 37.8	1.761	2.758	1.7	21.1
10 18	0 35.95	+ 0 57.3	1.791	2.762	5.8	21.4
10 28	0 27.75	+ 0 26.6	1.850	2.765	9.8	21.7
11 7	0 21.57	+ 0 9.3	1.932	2.767	13.2	21.9

328878 2010 BP_{94} 10 5.9 299°.81 1°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.01	− 0 9.0	4.301	5.122	7.2	20.7
9 8	1 0.64	− 0 29.0	4.213	5.118	5.5	20.6
9 18	0 56.40	− 0 51.9	4.151	5.114	3.6	20.5
9 28	0 51.54	− 1 15.8	4.117	5.110	1.7	20.3
10 8	0 46.41	− 1 38.4	4.114	5.105	1.5	20.3
10 18	0 41.36	− 1 57.8	4.141	5.101	3.3	20.4
10 28	0 36.76	− 2 11.8	4.197	5.097	5.2	20.6
11 7	0 32.92	− 2 19.1	4.279	5.093	6.9	20.7

374021 2004 EP_{19} 10 5.9 248°.87 1°.3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.57	+ 9 57.0	1.704	2.518	16.6	21.6
9 8	1 11.24	+ 9 55.2	1.612	2.507	13.2	21.3
9 18	1 4.33	+ 9 38.0	1.541	2.495	9.2	21.0
9 28	0 55.40	+ 9 6.8	1.493	2.483	4.7	20.7
10 8	0 45.40	+ 8 25.5	1.472	2.470	1.4	20.5
10 18	0 35.52	+ 7 39.9	1.479	2.458	5.6	20.8
10 28	0 26.95	+ 6 57.2	1.513	2.444	10.3	21.0
11 7	0 20.65	+ 6 23.9	1.570	2.431	14.4	21.2

192169 2007 DR_{75} 10 5.9 65°.98 1°.7/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.91	+ 4 25.4	1.496	2.340	17.0	20.2
9 8	1 8.98	+ 3 38.3	1.440	2.356	13.1	20.0
9 18	1 2.58	+ 2 37.8	1.405	2.372	8.5	19.8
9 28	0 54.46	+ 1 30.1	1.394	2.389	3.8	19.6
10 8	0 45.69	+ 0 23.2	1.409	2.405	2.5	19.5
10 18	0 37.43	− 0 35.0	1.451	2.421	6.9	19.8
10 28	0 30.74	− 1 17.9	1.518	2.438	11.2	20.1
11 7	0 26.33	− 1 41.9	1.608	2.454	14.9	20.4

94151 2001 AK_5 10 5.9 356°.83 9°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.03	+23 56.3	1.175	1.979	23.1	17.4
9 8	1 4.15	+24 58.3	1.104	1.972	20.0	17.2
9 18	1 0.16	+25 30.0	1.047	1.967	16.2	16.9
9 28	0 53.66	+25 26.1	1.009	1.964	12.4	16.7
10 8	0 45.85	+24 46.1	0.990	1.962	9.6	16.6
10 18	0 38.26	+23 35.1	0.993	1.962	9.5	16.6
10 28	0 32.48	+22 4.8	1.018	1.964	12.3	16.7
11 7	0 29.61	+20 29.8	1.063	1.968	16.1	17.0

98612 2000 WG_{78} 10 5.9 186°.22 0°.0/ 5.8 18

8 29	1 13.79	+ 7 12.4	1.967	2.784	14.6	20.0
9 8	1 9.31	+ 6 52.0	1.885	2.784	11.4	19.8
9 18	1 2.71	+ 6 19.2	1.825	2.784	7.6	19.6
9 28	0 54.54	+ 5 36.9	1.791	2.783	3.5	19.3
10 8	0 45.65	+ 4 50.0	1.784	2.782	0.9	19.1
10 18	0 36.99	+ 4 3.9	1.806	2.781	5.2	19.4
10 28	0 29.51	+ 3 24.5	1.855	2.779	9.2	19.7
11 7	0 23.91	+ 2 56.4	1.929	2.777	12.7	19.9

381073 2007 AB_{11} 10 5.9 322°.48 9°.7/27.4 18

8 29	1 9.01	−11 31.7	1.278	2.159	17.1	20.0
9 8	1 6.73	−13 23.9	1.215	2.145	13.8	19.8
9 18	1 1.56	−15 18.3	1.173	2.132	10.9	19.6
9 28	0 54.18	−17 1.1	1.153	2.119	9.7	19.5
10 8	0 45.74	−18 19.1	1.156	2.107	11.2	19.5
10 18	0 37.60	−19 2.5	1.181	2.095	14.4	19.7
10 28	0 31.11	−19 7.2	1.226	2.085	18.0	19.9
11 7	0 27.23	−18 35.2	1.288	2.075	21.2	20.1

266851 2009 UK_{79} 10 5.9 351°.65 0°.7/ 7.3 18

8 29	1 3.70	+10 7.8	4.145	4.934	8.0	20.6
9 8	1 0.47	+ 9 55.8	4.053	4.933	6.3	20.5
9 18	0 56.32	+ 9 36.9	3.985	4.933	4.3	20.4
9 28	0 51.52	+ 9 12.4	3.945	4.932	2.2	20.2
10 8	0 46.43	+ 8 44.3	3.934	4.932	0.7	20.1
10 18	0 41.43	+ 8 14.6	3.954	4.931	2.5	20.2
10 28	0 36.89	+ 7 46.0	4.003	4.931	4.6	20.4
11 7	0 33.15	+ 7 20.7	4.081	4.930	6.5	20.5

38881 2000 SE_{123} 10 5.9 27°.15 2°.9/ 3.7 18

8 29	1 9.24	+ 2 25.7	1.244	2.111	18.4	18.7
9 8	1 6.62	+ 1 29.8	1.192	2.121	14.1	18.5
9 18	1 1.26	+ 0 20.4	1.159	2.132	9.2	18.3
9 28	0 53.93	− 0 54.6	1.149	2.144	4.3	18.0
10 8	0 45.85	− 2 5.2	1.164	2.157	3.8	18.1
10 18	0 38.29	− 3 2.1	1.203	2.171	8.3	18.4
10 28	0 32.46	− 3 38.4	1.265	2.186	12.9	18.7
11 7	0 29.11	− 3 51.1	1.348	2.201	16.8	19.0

293728 2007 RT_{20} 10 5.9 83°.95 0°.6/ 6.4 17

8 29	1 18.31	+ 8 59.0	1.303	2.135	19.8	20.9
9 8	1 13.52	+ 8 43.3	1.249	2.155	15.5	20.7
9 18	1 5.78	+ 8 9.1	1.214	2.174	10.4	20.5
9 28	0 55.95	+ 7 20.4	1.201	2.194	4.9	20.2
10 8	0 45.36	+ 6 24.1	1.214	2.213	1.1	20.0
10 18	0 35.44	+ 5 28.6	1.253	2.232	6.4	20.4
10 28	0 27.47	+ 4 42.4	1.318	2.250	11.4	20.8
11 7	0 22.26	+ 4 11.2	1.404	2.269	15.6	21.1

306581 2000 ED_{204} 10 5.9 32°.59 0°.7/ 5.3 18

8 29	1 8.61	+ 7 15.3	1.598	2.438	16.3	20.7
9 8	1 5.63	+ 6 28.3	1.534	2.447	12.6	20.5
9 18	1 0.37	+ 5 25.5	1.491	2.457	8.3	20.3
9 28	0 53.50	+ 4 12.0	1.472	2.467	3.6	20.0
10 8	0 45.97	+ 2 55.5	1.480	2.478	1.5	19.9
10 18	0 38.80	+ 1 44.0	1.514	2.489	6.1	20.3
10 28	0 33.00	+ 0 45.1	1.574	2.500	10.4	20.5
11 7	0 29.25	+ 0 3.8	1.657	2.512	14.1	20.8

518521 2006 QF_{188} 10 5.9 334°.33 0°.7/ 5.4 18

8 29	1 8.66	+ 6 47.2	1.694	2.532	15.7	21.0
9 8	1 5.71	+ 6 8.7	1.614	2.526	12.2	20.8
9 18	1 0.51	+ 5 15.0	1.554	2.520	8.1	20.5
9 28	0 53.62	+ 4 10.3	1.519	2.514	3.6	20.3
10 8	0 45.92	+ 3 1.3	1.511	2.509	1.4	20.1
10 18	0 38.43	+ 1 55.6	1.529	2.504	6.0	20.4
10 28	0 32.19	+ 1 0.6	1.573	2.500	10.4	20.6
11 7	0 27.95	+ 0 21.7	1.641	2.496	14.2	20.9

516134 2015 VQ_{90} 10 5.9 341°.97 0°.3/ 5.8 18

8 29	1 13.11	+ 4 40.9	1.868	2.697	14.8	20.7
9 8	1 8.95	+ 4 45.7	1.785	2.691	11.5	20.5
9 18	1 2.57	+ 4 41.3	1.724	2.686	7.7	20.3
9 28	0 54.53	+ 4 30.2	1.688	2.681	3.5	20.0
10 8	0 45.70	+ 4 16.1	1.678	2.677	1.0	19.8
10 18	0 37.06	+ 4 3.2	1.697	2.673	5.4	20.1
10 28	0 29.61	+ 3 56.0	1.743	2.669	9.5	20.4
11 7	0 24.13	+ 3 58.0	1.812	2.666	13.1	20.6

365545 2010 TD_3 10 5.9 270°.34 0°.2/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.43	+ 5 22.3	2.126	2.944	13.6	21.9
9 8	1 8.88	+ 5 17.8	2.042	2.943	10.6	21.7
9 18	1 2.36	+ 5 4.2	1.981	2.941	7.1	21.4
9 28	0 54.39	+ 4 43.7	1.946	2.940	3.2	21.2
10 8	0 45.74	+ 4 20.3	1.940	2.938	0.9	21.0
10 18	0 37.29	+ 3 57.9	1.962	2.936	4.9	21.3
10 28	0 29.92	+ 3 40.9	2.012	2.935	8.7	21.5
11 7	0 24.30	+ 3 32.9	2.087	2.933	11.9	21.8

27354 Stiklaitis 10 5.9 101°.31 1°.0/ 6.9 18

8 29	1 15.32	+10 15.3	1.672	2.486	16.8	18.6
9 8	1 10.71	+ 9 57.3	1.606	2.501	13.2	18.4
9 18	1 3.71	+ 9 22.9	1.561	2.516	9.0	18.2
9 28	0 55.00	+ 8 35.0	1.540	2.530	4.4	17.9
10 8	0 45.61	+ 7 39.0	1.546	2.544	1.1	17.7
10 18	0 36.64	+ 6 41.7	1.580	2.558	5.4	18.1
10 28	0 29.16	+ 5 50.5	1.640	2.571	9.7	18.4
11 7	0 23.89	+ 5 11.0	1.725	2.584	13.4	18.6

239766 2010 CT_{40} 10 5.9 183°.30 1°.0/ 4.9 18

8 29	1 12.03	+ 5 20.8	1.919	2.747	14.5	21.8
9 8	1 7.98	+ 4 40.6	1.840	2.747	11.2	21.6
9 18	1 1.84	+ 3 48.2	1.784	2.747	7.4	21.4
9 28	0 54.17	+ 2 47.7	1.753	2.747	3.2	21.1
10 8	0 45.80	+ 1 45.2	1.749	2.746	1.7	21.0
10 18	0 37.68	+ 0 47.2	1.774	2.746	5.8	21.3
10 28	0 30.74	− 0 0.2	1.827	2.745	9.7	21.5
11 7	0 25.66	− 0 32.7	1.903	2.743	13.2	21.8

74004 1998 FS_{64} 10 5.9 169°.28 0°.2/ 5.8 17

8 29	1 15.32	+ 7 46.9	1.864	2.680	15.3	20.7
9 8	1 10.58	+ 7 9.7	1.786	2.684	11.9	20.5
9 18	1 3.59	+ 6 18.0	1.729	2.688	8.0	20.3
9 28	0 54.96	+ 5 15.5	1.698	2.691	3.6	20.0
10 8	0 45.61	+ 4 8.3	1.695	2.694	1.1	19.9
10 18	0 36.54	+ 3 3.2	1.721	2.695	5.6	20.2
10 28	0 28.77	+ 2 7.1	1.774	2.696	9.7	20.4
11 7	0 23.02	+ 1 25.1	1.852	2.696	13.3	20.7

449789 2014 OZ_{205} 10 5.9 309°.05 4°.0/ 1.9 18

8 29	1 9.24	− 3 37.8	2.008	2.858	13.1	20.9
9 8	1 5.81	− 4 31.1	1.926	2.846	10.1	20.6
9 18	1 0.41	− 5 30.0	1.867	2.833	6.9	20.4
9 28	0 53.54	− 6 28.6	1.833	2.821	4.3	20.3
10 8	0 45.97	− 7 20.3	1.827	2.808	4.7	20.3
10 18	0 38.56	− 7 59.2	1.848	2.797	7.7	20.4
10 28	0 32.19	− 8 20.9	1.894	2.785	11.0	20.6
11 7	0 27.55	− 8 23.3	1.964	2.773	14.1	20.8

38478 1999 TX_{94} 10 5.9 28°.99 4°.2/ 2.3 18

8 29	1 13.60	− 5 54.8	2.013	2.857	13.3	18.8
9 8	1 9.00	− 6 24.8	1.945	2.860	10.3	18.6
9 18	1 2.40	− 6 56.6	1.900	2.863	7.1	18.4
9 28	0 54.38	− 7 24.9	1.881	2.866	4.5	18.3
10 8	0 45.78	− 7 44.4	1.889	2.869	4.8	18.3
10 18	0 37.48	− 7 51.1	1.925	2.873	7.5	18.5
10 28	0 30.38	− 7 42.2	1.987	2.877	10.6	18.7
11 7	0 25.10	− 7 17.4	2.073	2.881	13.5	18.9

128940 2004 TD_{114} 10 5.9 238°.18 4°.8/ 1.0 18

8 29	1 14.37	−10 12.3	2.461	3.296	11.4	19.8
9 8	1 9.29	−10 45.1	2.383	3.290	9.0	19.7
9 18	1 2.47	−11 16.8	2.330	3.283	6.6	19.5
9 28	0 54.39	−11 42.4	2.303	3.277	4.9	19.4
10 8	0 45.77	−11 57.3	2.305	3.270	5.4	19.4
10 18	0 37.36	−11 58.2	2.336	3.263	7.5	19.6
10 28	0 29.94	−11 43.2	2.393	3.257	10.1	19.7
11 7	0 24.07	−11 12.3	2.474	3.249	12.5	19.9

119350 2001 SM_{220} 10 5.9 285°.37 0°.8/ 5.4 18

8 29	1 14.40	+ 4 46.2	1.583	2.420	16.6	19.7
9 8	1 10.38	+ 4 31.6	1.502	2.413	13.0	19.5
9 18	1 3.77	+ 4 4.8	1.441	2.405	8.7	19.2
9 28	0 55.16	+ 3 29.1	1.404	2.398	3.9	18.9
10 8	0 45.56	+ 2 50.3	1.393	2.391	1.6	18.7
10 18	0 36.18	+ 2 14.7	1.409	2.383	6.5	19.0
10 28	0 28.21	+ 1 48.9	1.450	2.376	11.2	19.3
11 7	0 22.57	+ 1 37.3	1.515	2.369	15.2	19.5

473070 2015 HQ_{94} 10 5.9 231°.99 4°.2/ 2.4 17

8 29	1 15.24	− 3 18.5	1.764	2.609	14.8	22.0
9 8	1 10.73	− 4 8.8	1.684	2.601	11.5	21.8
9 18	1 3.82	− 5 5.4	1.627	2.592	7.8	21.6
9 28	0 55.13	− 6 1.8	1.595	2.583	4.7	21.4
10 8	0 45.58	− 6 50.6	1.590	2.574	5.0	21.4
10 18	0 36.25	− 7 25.2	1.613	2.564	8.3	21.6
10 28	0 28.24	− 7 40.9	1.661	2.554	12.1	21.8
11 7	0 22.34	− 7 35.9	1.731	2.543	15.5	22.0