218554 2005 EV_{84} 10 18.9 168°.96 3°.2/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 12.09	+17 11.0	1.872	2.708	14.2	20.0
9 28	2 2.49	+17 59.5	1.799	2.713	10.7	19.8
10 8	1 50.47	+18 35.7	1.751	2.717	6.7	19.6
10 18	1 36.96	+18 58.2	1.732	2.720	3.4	19.4
10 28	1 23.28	+19 8.0	1.745	2.723	4.6	19.5
11 7	1 10.77	+19 8.8	1.787	2.725	8.4	19.7
11 17	1 0.51	+19 5.7	1.858	2.726	12.1	20.0
11 27	0 53.18	+19 4.5	1.951	2.726	15.2	20.2

437305 2013 CX_{39} 10 18.9 192°.34 2°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 49.10	− 1 17.7	4.449	5.330	5.7	21.6
9 28	1 45.31	− 1 52.2	4.388	5.330	4.0	21.5
10 8	1 40.87	− 2 25.9	4.355	5.330	2.6	21.4
10 18	1 36.07	− 2 56.5	4.352	5.329	2.3	21.4
10 28	1 31.28	− 3 21.9	4.380	5.329	3.5	21.5
11 7	1 26.82	− 3 40.1	4.436	5.328	5.1	21.6
11 17	1 23.01	− 3 50.1	4.519	5.328	6.7	21.7
11 27	1 20.09	− 3 51.1	4.626	5.327	8.0	21.8

114561 2003 BP_{52} 10 18.9 307°.71 0°.8/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.04	+10 29.7	1.357	2.249	15.2	19.4
9 28	1 53.10	+ 9 55.3	1.280	2.230	10.9	19.1
10 8	1 45.64	+ 9 7.5	1.225	2.210	5.8	18.7
10 18	1 36.53	+ 8 11.5	1.195	2.191	0.8	18.3
10 28	1 27.11	+ 7 15.0	1.191	2.172	5.5	18.6
11 7	1 18.79	+ 6 26.6	1.212	2.154	10.9	18.9
11 17	1 12.73	+ 5 53.5	1.255	2.136	15.7	19.1
11 27	1 9.72	+ 5 40.3	1.317	2.119	19.8	19.3

69977 Saurodonati 10 18.9 272°.00 1°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.23	+17 53.7	2.435	3.283	11.0	19.6
9 28	1 50.92	+17 40.5	2.346	3.267	8.2	19.4
10 8	1 44.12	+17 15.2	2.282	3.252	5.0	19.2
10 18	1 36.38	+16 39.4	2.245	3.236	2.2	19.0
10 28	1 28.49	+15 56.3	2.238	3.220	3.2	19.0
11 7	1 21.25	+15 10.6	2.260	3.204	6.4	19.2
11 17	1 15.35	+14 27.1	2.309	3.188	9.6	19.4
11 27	1 11.32	+13 50.5	2.382	3.172	12.4	19.5

522007 2015 XV_{143} 10 18.9 49°.70 3°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.08	− 1 1.9	2.145	3.034	10.6	21.4
9 28	1 51.42	− 1 39.5	2.092	3.037	7.6	21.3
10 8	1 44.30	− 2 15.6	2.064	3.041	4.8	21.1
10 18	1 36.39	− 2 45.4	2.064	3.045	4.0	21.1
10 28	1 28.53	− 3 4.5	2.092	3.048	6.1	21.2
11 7	1 21.52	− 3 9.7	2.148	3.052	9.1	21.4
11 17	1 15.99	− 2 59.9	2.229	3.056	11.9	21.6
11 27	1 12.41	− 2 35.0	2.330	3.061	14.3	21.8

69746 1998 KC_{58} 10 18.9 107°.20 4°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.33	+ 1 10.3	1.880	2.770	11.7	19.4
9 28	1 52.34	− 0 5.8	1.839	2.787	8.3	19.2
10 8	1 44.78	− 1 22.3	1.824	2.803	5.1	19.1
10 18	1 36.44	− 2 32.3	1.837	2.819	4.3	19.1
10 28	1 28.26	− 3 29.0	1.879	2.834	6.7	19.2
11 7	1 21.13	− 4 7.9	1.947	2.850	10.0	19.5
11 17	1 15.71	− 4 27.0	2.039	2.864	12.9	19.7
11 27	1 12.43	− 4 26.2	2.152	2.878	15.4	19.9

218497 2004 TD_{66} 10 18.9 15°.69 3°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.70	+ 3 25.1	1.583	2.485	12.8	19.2
9 28	1 49.41	+ 2 12.1	1.536	2.491	8.9	19.0
10 8	1 43.34	+ 0 55.7	1.514	2.497	5.2	18.8
10 18	1 36.31	− 0 16.3	1.517	2.504	3.9	18.8
10 28	1 29.36	− 1 16.1	1.547	2.512	6.8	19.0
11 7	1 23.47	− 1 57.7	1.602	2.521	10.6	19.2
11 17	1 19.39	− 2 18.1	1.681	2.531	14.1	19.4
11 27	1 17.58	− 2 16.8	1.779	2.541	16.9	19.7

217695 1999 RT_{242} 10 19.0 109°.18 6°.9/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 14.48	+25 43.1	1.665	2.472	17.0	19.2
9 28	2 4.41	+26 59.3	1.609	2.493	13.5	19.0
10 8	1 51.57	+27 53.8	1.576	2.514	10.0	18.8
10 18	1 37.10	+28 22.7	1.570	2.534	7.3	18.7
10 28	1 22.61	+28 26.0	1.593	2.553	7.2	18.8
11 7	1 9.69	+28 9.3	1.643	2.572	9.7	19.0
11 17	0 59.52	+27 41.0	1.720	2.589	12.8	19.2
11 27	0 52.75	+27 10.3	1.819	2.607	15.7	19.4

347265 2011 KB_{28} 10 19.0 68°.95 4°.4/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.74	+25 33.7	1.583	2.416	16.5	20.6
9 28	1 53.67	+24 52.9	1.536	2.442	12.7	20.4
10 8	1 45.58	+23 47.0	1.512	2.468	8.6	20.2
10 18	1 36.53	+22 19.5	1.513	2.494	5.1	20.1
10 28	1 27.76	+20 38.2	1.541	2.520	4.9	20.2
11 7	1 20.40	+18 53.4	1.597	2.546	8.1	20.4
11 17	1 15.24	+17 14.9	1.678	2.571	11.8	20.7
11 27	1 12.70	+15 50.8	1.783	2.596	14.9	21.0

460460 2014 SY_{235} 10 19.0 342°.88 2°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 56.22	+16 58.7	1.833	2.697	13.3	21.0
9 28	1 51.27	+16 59.8	1.758	2.688	9.8	20.8
10 8	1 44.44	+16 47.2	1.706	2.680	6.0	20.6
10 18	1 36.45	+16 22.4	1.681	2.672	2.6	20.3
10 28	1 28.31	+15 49.4	1.682	2.666	3.9	20.4
11 7	1 21.07	+15 13.5	1.711	2.660	7.7	20.6
11 17	1 15.57	+14 40.6	1.766	2.654	11.5	20.9
11 27	1 12.41	+14 15.9	1.842	2.649	14.8	21.1

482580 2012 XH_{43} 10 19.0 60°.83 8°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.66	−11 7.0	1.572	2.457	13.9	20.1
9 28	1 55.56	−11 52.9	1.542	2.473	10.9	20.0
10 8	1 46.55	−12 25.3	1.535	2.488	8.8	19.9
10 18	1 36.63	−12 37.4	1.553	2.504	8.7	19.9
10 28	1 27.01	−12 25.0	1.597	2.519	10.5	20.1
11 7	1 18.79	−11 47.7	1.665	2.535	13.2	20.3
11 17	1 12.74	−10 47.9	1.755	2.551	15.9	20.5
11 27	1 9.26	− 9 29.7	1.863	2.567	18.2	20.7

254223 2004 RX_{96} 10 19.0 54°.95 3°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.78	+23 20.0	1.992	2.826	13.6	20.1
9 28	1 51.45	+23 5.6	1.928	2.835	10.4	20.0
10 8	1 44.42	+22 32.7	1.887	2.844	7.1	19.8
10 18	1 36.44	+21 43.1	1.872	2.854	4.2	19.6
10 28	1 28.49	+20 41.0	1.885	2.863	4.3	19.6
11 7	1 21.51	+19 33.2	1.926	2.873	7.1	19.8
11 17	1 16.24	+18 26.5	1.994	2.883	10.3	20.1
11 27	1 13.18	+17 27.3	2.085	2.893	13.2	20.3

28190 1998 WU_{23} 10 19.0 244°.43 0°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.07	+12 38.2	2.032	2.897	12.1	17.5
9 28	1 53.80	+12 35.3	1.956	2.891	8.7	17.3
10 8	1 45.73	+12 23.1	1.906	2.885	4.9	17.0
10 18	1 36.58	+12 3.8	1.883	2.879	0.9	16.7
10 28	1 27.30	+11 40.9	1.890	2.872	3.6	16.9
11 7	1 18.88	+11 19.0	1.925	2.866	7.6	17.2
11 17	1 12.13	+11 2.4	1.986	2.859	11.2	17.4
11 27	1 7.62	+10 54.9	2.070	2.852	14.2	17.6

412313 2013 JT_{61} 10 19.0 57°.35 4°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.33	− 2 47.7	2.090	2.979	10.8	20.0
9 28	1 51.61	− 3 29.3	2.041	2.985	7.8	19.9
10 8	1 44.41	− 4 7.7	2.019	2.992	5.3	19.7
10 18	1 36.44	− 4 38.0	2.023	2.999	4.7	19.7
10 28	1 28.55	− 4 55.6	2.056	3.006	6.7	19.9
11 7	1 21.56	− 4 57.7	2.116	3.013	9.6	20.1
11 17	1 16.10	− 4 43.3	2.200	3.021	12.3	20.2
11 27	1 12.61	− 4 13.1	2.305	3.028	14.6	20.4

365328 2009 SL_{146} 10 19.0 53°.47 0°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.70	+ 8 31.6	2.011	2.890	11.6	20.8
9 28	1 51.94	+ 8 11.8	1.958	2.902	8.1	20.6
10 8	1 44.62	+ 7 46.0	1.929	2.913	4.3	20.4
10 18	1 36.47	+ 7 17.7	1.929	2.924	0.9	20.2
10 28	1 28.38	+ 6 51.4	1.957	2.936	4.0	20.5
11 7	1 21.24	+ 6 31.1	2.013	2.948	7.7	20.7
11 17	1 15.70	+ 6 20.2	2.095	2.960	11.0	21.0
11 27	1 12.24	+ 6 20.9	2.199	2.972	13.8	21.2

170642 2003 YX_{95} 10 19.0 248°.32 3°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.65	+22 55.3	2.059	2.892	13.2	20.3
9 28	1 52.18	+22 29.0	1.972	2.880	10.2	20.1
10 8	1 44.90	+21 43.5	1.909	2.869	6.8	19.9
10 18	1 36.51	+20 40.5	1.872	2.856	3.9	19.7
10 28	1 27.98	+19 24.2	1.864	2.844	4.1	19.7
11 7	1 20.30	+18 1.7	1.885	2.831	7.3	19.9
11 17	1 14.29	+16 40.8	1.933	2.818	10.8	20.1
11 27	1 10.53	+15 28.5	2.004	2.805	14.0	20.2

364120 2006 AM_{91} 10 19.0 9°.95 3°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.58	+ 3 50.2	1.606	2.506	12.8	20.3
9 28	1 50.06	+ 2 53.3	1.555	2.508	8.9	20.1
10 8	1 43.73	+ 1 52.8	1.527	2.511	5.1	19.8
10 18	1 36.39	+ 0 55.3	1.526	2.515	3.5	19.8
10 28	1 29.10	+ 0 8.0	1.552	2.520	6.4	20.0
11 7	1 22.86	− 0 23.4	1.603	2.526	10.3	20.2
11 17	1 18.43	− 0 36.0	1.677	2.532	13.8	20.4
11 27	1 16.32	− 0 29.0	1.771	2.539	16.8	20.7

38000 1998 KK_{35} 10 19.0 82°.39 3°.7/15.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.46	− 0 3.4	2.057	2.944	11.0	18.1
9 28	1 52.42	− 0 37.6	2.006	2.952	7.8	17.9
10 8	1 44.86	− 1 10.9	1.981	2.960	4.8	17.8
10 18	1 36.50	− 1 38.5	1.984	2.967	3.8	17.7
10 28	1 28.21	− 1 56.0	2.015	2.975	6.0	17.9
11 7	1 20.85	− 2 0.2	2.074	2.983	9.1	18.1
11 17	1 15.07	− 1 49.8	2.157	2.991	12.0	18.3
11 27	1 11.33	− 1 24.6	2.262	2.998	14.5	18.5

322743 2000 UX_{64} 10 19.0 352°.01 2°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 55.59	+19 8.2	1.093	1.978	18.6	19.8
9 28	1 51.64	+18 26.1	1.033	1.974	13.8	19.5
10 8	1 44.92	+17 16.5	0.992	1.970	8.4	19.2
10 18	1 36.52	+15 44.2	0.974	1.967	3.2	18.9
10 28	1 28.02	+13 59.7	0.979	1.965	5.1	19.0
11 7	1 21.03	+12 17.0	1.009	1.964	10.8	19.4
11 17	1 16.71	+10 48.8	1.060	1.964	16.0	19.7
11 27	1 15.71	+ 9 43.7	1.130	1.965	20.3	19.9

516398 2001 HW_{15} 10 19.0 102°.49 16°.0/17.2 18

9 18	2 36.26	−19 53.7	0.729	1.599	26.9	21.8
9 28	2 19.77	−20 8.5	0.716	1.631	21.7	21.7
10 8	1 59.29	−19 40.5	0.720	1.662	17.5	21.6
10 18	1 37.75	−18 20.2	0.746	1.692	16.0	21.7
10 28	1 18.43	−16 11.5	0.794	1.720	17.8	21.9
11 7	1 3.59	−13 29.1	0.864	1.746	21.2	22.2
11 17	0 54.05	−10 29.9	0.952	1.770	24.7	22.6
11 27	0 49.66	− 7 25.5	1.055	1.793	27.6	22.9

2913 Horta 10 19.0 341°.27 1°.2/18.5 18

9 18	2 4.18	+ 5 18.3	1.356	2.248	15.3	15.5
9 28	1 57.45	+ 5 55.0	1.286	2.235	10.9	15.2
10 8	1 48.01	+ 6 30.4	1.239	2.224	5.9	14.9
10 18	1 36.82	+ 7 6.3	1.217	2.213	1.3	14.5
10 28	1 25.35	+ 7 45.0	1.223	2.204	5.5	14.8
11 7	1 15.13	+ 8 28.8	1.254	2.195	10.7	15.1
11 17	1 7.37	+ 9 19.4	1.308	2.188	15.3	15.3
11 27	1 2.86	+10 18.3	1.383	2.182	19.2	15.6

160990 2002 CF_{167} 10 19.0 145°.74 0°.9/18.3 18 R

9 18	2 0.64	+ 9 6.8	1.944	2.819	12.1	20.3
9 28	1 54.09	+ 8 38.8	1.885	2.826	8.5	20.1
10 8	1 45.82	+ 8 3.5	1.851	2.833	4.5	19.9
10 18	1 36.60	+ 7 24.9	1.844	2.840	0.9	19.6
10 28	1 27.42	+ 6 48.0	1.868	2.846	4.2	19.9
11 7	1 19.25	+ 6 17.7	1.919	2.852	8.2	20.2
11 17	1 12.83	+ 5 57.9	1.996	2.858	11.7	20.4
11 27	1 8.65	+ 5 51.1	2.096	2.863	14.6	20.6

265793 2005 WK_{169} 10 19.0 137°.51 1°.7/17.6 18

9 18	2 0.96	+ 7 30.5	1.785	2.666	12.7	20.8
9 28	1 54.39	+ 6 49.5	1.731	2.676	8.9	20.6
10 8	1 45.99	+ 6 2.0	1.701	2.685	4.7	20.4
10 18	1 36.61	+ 5 13.0	1.699	2.693	1.7	20.2
10 28	1 27.32	+ 4 28.4	1.726	2.701	5.0	20.5
11 7	1 19.14	+ 3 53.9	1.780	2.709	9.0	20.7
11 17	1 12.83	+ 3 33.1	1.859	2.716	12.6	21.0
11 27	1 8.92	+ 3 28.1	1.960	2.723	15.6	21.2

68326 2001 HD_{21} 10 19.0 165°.32 0°.2/19.2 18

9 18	2 0.64	+13 11.7	1.691	2.563	13.8	20.6
9 28	1 54.36	+12 31.7	1.628	2.566	9.8	20.3
10 8	1 46.07	+11 38.6	1.589	2.570	5.4	20.1
10 18	1 36.64	+10 36.8	1.576	2.572	0.6	19.8
10 28	1 27.23	+ 9 33.1	1.592	2.575	4.2	20.0
11 7	1 18.94	+ 8 34.8	1.636	2.576	8.8	20.3
11 17	1 12.64	+ 7 48.1	1.705	2.578	12.7	20.6
11 27	1 8.88	+ 7 17.1	1.796	2.579	16.0	20.8

354995 2006 PL_{17} 10 19.0 8°.05 2°.9/21.3 18

9 18	1 58.49	+18 38.9	1.636	2.497	14.7	20.6
9 28	1 53.01	+18 39.1	1.571	2.498	11.0	20.4
10 8	1 45.42	+18 22.4	1.528	2.499	6.9	20.1
10 18	1 36.59	+17 50.5	1.510	2.500	3.3	19.9
10 28	1 27.68	+17 7.9	1.519	2.502	4.3	20.0
11 7	1 19.88	+16 21.3	1.555	2.504	8.3	20.2
11 17	1 14.11	+15 37.7	1.616	2.507	12.2	20.5
11 27	1 10.95	+15 3.3	1.698	2.510	15.6	20.7

78869 2003 QV_{88} 10 19.0 22°.58 1°.6/17.7 18

9 18	1 57.18	+ 6 24.5	1.871	2.758	11.9	18.0
9 28	1 51.70	+ 6 5.1	1.816	2.764	8.3	17.8
10 8	1 44.56	+ 5 41.2	1.786	2.770	4.4	17.6
10 18	1 36.50	+ 5 16.7	1.783	2.777	1.6	17.4
10 28	1 28.49	+ 4 56.2	1.808	2.785	4.6	17.6
11 7	1 21.44	+ 4 43.9	1.861	2.793	8.4	17.9
11 17	1 16.07	+ 4 42.6	1.938	2.802	11.9	18.1
11 27	1 12.88	+ 4 54.0	2.037	2.811	14.7	18.3

247390 2001 YZ_{151} 10 19.0 344°.60 4°.0/21.7 18

9 18	1 57.76	+19 18.0	1.455	2.321	15.9	19.5
9 28	1 52.87	+19 46.3	1.382	2.309	12.2	19.3
10 8	1 45.54	+19 57.2	1.330	2.299	8.0	19.0
10 18	1 36.63	+19 50.5	1.302	2.289	4.5	18.8
10 28	1 27.43	+19 29.0	1.299	2.281	5.2	18.8
11 7	1 19.34	+18 58.9	1.322	2.273	9.2	19.0
11 17	1 13.48	+18 27.6	1.369	2.267	13.5	19.2
11 27	1 10.58	+18 2.4	1.435	2.262	17.2	19.5

14669 Beletic 10 19.0 313°.70 0°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 52.10	+10 45.0	2.828	3.699	8.9	17.1
9 28	1 47.80	+10 7.6	2.750	3.690	6.2	16.9
10 8	1 42.39	+ 9 23.5	2.698	3.680	3.3	16.7
10 18	1 36.32	+ 8 35.6	2.674	3.671	0.4	16.4
10 28	1 30.20	+ 7 47.8	2.681	3.661	3.0	16.7
11 7	1 24.61	+ 7 3.9	2.717	3.652	6.0	16.9
11 17	1 20.08	+ 6 27.4	2.781	3.643	8.7	17.0
11 27	1 17.02	+ 6 1.1	2.868	3.634	11.0	17.2

362945 2013 AJ_{2} 10 19.0 275°.11 6°.5/25.0 16

9 18	1 59.54	+30 10.2	2.010	2.805	14.9	21.2
9 28	1 53.84	+30 20.0	1.912	2.784	12.3	21.0
10 8	1 45.97	+30 6.8	1.835	2.762	9.5	20.7
10 18	1 36.68	+29 28.9	1.782	2.740	7.1	20.6
10 28	1 27.04	+28 27.7	1.756	2.718	6.6	20.5
11 7	1 18.24	+27 9.2	1.758	2.695	8.5	20.6
11 17	1 11.30	+25 41.8	1.786	2.672	11.5	20.7
11 27	1 6.94	+24 14.9	1.837	2.649	14.6	20.9

329900 2005 HT_{9} 10 19.0 263°.38 4°.7/15.4 18

9 18	1 59.20	+ 2 1.6	1.426	2.325	14.1	20.7
9 28	1 53.61	+ 0 46.6	1.368	2.321	10.0	20.5
10 8	1 45.79	− 0 31.8	1.334	2.316	6.1	20.2
10 18	1 36.66	− 1 45.0	1.326	2.311	4.9	20.1
10 28	1 27.49	− 2 43.7	1.343	2.306	8.1	20.3
11 7	1 19.54	− 3 21.0	1.386	2.301	12.3	20.6
11 17	1 13.76	− 3 33.8	1.451	2.295	16.2	20.8
11 27	1 10.75	− 3 21.9	1.534	2.290	19.5	21.0

455243 2001 SD_{225} 10 19.0 348°.52 1°.1/19.9 17

9 18	1 58.17	+13 21.2	2.156	3.020	11.5	20.5
9 28	1 52.39	+13 31.0	2.083	3.017	8.3	20.3
10 8	1 44.98	+13 32.3	2.036	3.013	4.8	20.0
10 18	1 36.59	+13 26.3	2.016	3.010	1.3	19.8
10 28	1 28.10	+13 16.0	2.025	3.008	3.3	20.0
11 7	1 20.40	+13 5.1	2.062	3.006	7.0	20.2
11 17	1 14.23	+12 57.4	2.127	3.004	10.4	20.4
11 27	1 10.13	+12 56.1	2.214	3.002	13.2	20.6

190209 2006 AA_{21} 10 19.0 202°.39 5°.6/25.9 17

9 18	2 0.12	+32 44.3	3.051	3.803	11.2	21.3
9 28	1 53.59	+33 8.9	2.961	3.799	9.4	21.2
10 8	1 45.58	+33 17.2	2.894	3.793	7.5	21.0
10 18	1 36.65	+33 7.9	2.854	3.788	6.0	20.9
10 28	1 27.56	+32 41.8	2.841	3.782	5.6	20.9
11 7	1 19.09	+32 2.0	2.858	3.775	6.6	21.0
11 17	1 11.94	+31 13.1	2.903	3.768	8.3	21.1
11 27	1 6.60	+30 20.6	2.973	3.761	10.2	21.2

270156 2001 SN_{112} 10 19.0 89°.19 5°.9/13.6 17

9 18	1 57.87	+ 7 38.3	1.016	1.927	17.4	19.9
9 28	1 53.03	+ 4 5.3	0.974	1.934	12.0	19.6
10 8	1 45.54	+ 0 16.2	0.956	1.941	7.1	19.4
10 18	1 36.63	− 3 26.3	0.965	1.948	6.7	19.4
10 28	1 27.94	− 6 38.8	0.999	1.955	11.1	19.6
11 7	1 20.95	− 9 5.4	1.058	1.962	16.2	20.0
11 17	1 16.66	−10 41.1	1.136	1.969	20.5	20.3
11 27	1 15.55	−11 28.9	1.229	1.976	23.9	20.5

96466 1998 HG_{72} 10 19.0 180°.13 1°.9/17.3 18

9 18	1 59.77	+ 6 4.2	2.105	2.983	11.2	20.0
9 28	1 53.43	+ 5 24.9	2.040	2.984	7.8	19.8
10 8	1 45.49	+ 4 40.8	2.002	2.985	4.2	19.6
10 18	1 36.64	+ 3 56.3	1.992	2.985	1.9	19.4
10 28	1 27.79	+ 3 16.6	2.012	2.985	4.7	19.6
11 7	1 19.82	+ 2 46.1	2.060	2.984	8.3	19.8
11 17	1 13.44	+ 2 28.3	2.135	2.983	11.6	20.0
11 27	1 9.14	+ 2 24.8	2.231	2.981	14.3	20.2

349265 2007 TN_{200} 10 19.0 332°.19 3°.6/15.6 18

9 18	1 54.40	+ 6 8.3	1.532	2.432	13.3	20.2
9 28	1 50.11	+ 4 21.9	1.472	2.426	9.3	20.0
10 8	1 43.86	+ 2 26.0	1.435	2.420	5.2	19.7
10 18	1 36.49	+ 0 30.1	1.426	2.415	3.8	19.6
10 28	1 29.08	− 1 14.6	1.444	2.409	7.1	19.8
11 7	1 22.72	− 2 39.1	1.487	2.405	11.3	20.1
11 17	1 18.24	− 3 37.7	1.554	2.401	15.2	20.3
11 27	1 16.21	− 4 8.6	1.639	2.397	18.4	20.5

289182 2004 VA_{75} 10 19.0 283°.27 2°.2/21.4 18

9 18	1 55.21	+19 46.6	2.217	3.064	11.9	20.3
9 28	1 50.29	+19 12.9	2.140	3.059	8.9	20.1
10 8	1 43.83	+18 23.8	2.086	3.055	5.6	19.9
10 18	1 36.49	+17 21.9	2.060	3.050	2.6	19.7
10 28	1 29.09	+16 11.8	2.063	3.046	3.4	19.7
11 7	1 22.46	+14 59.7	2.095	3.041	6.7	19.9
11 17	1 17.31	+13 51.8	2.154	3.037	10.0	20.1
11 27	1 14.12	+12 53.7	2.237	3.033	12.9	20.3

149888 2005 RK_{23} 10 19.0 82°.82 2°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.49	+19 22.5	1.483	2.344	16.0	20.0
9 28	1 54.46	+18 59.5	1.428	2.355	11.9	19.8
10 8	1 46.20	+18 16.4	1.395	2.367	7.3	19.5
10 18	1 36.71	+17 16.4	1.387	2.378	3.2	19.3
10 28	1 27.31	+16 6.2	1.406	2.389	4.4	19.4
11 7	1 19.26	+14 54.8	1.451	2.400	8.8	19.7
11 17	1 13.48	+13 50.6	1.521	2.411	12.9	20.0
11 27	1 10.50	+13 0.3	1.613	2.422	16.4	20.2

381775 2009 SA_{337} 10 19.0 30°.05 7°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.37	− 4 2.9	1.009	1.924	17.2	19.4
9 28	1 54.66	− 4 55.4	0.982	1.937	12.6	19.2
10 8	1 46.32	− 5 39.1	0.976	1.953	8.7	19.1
10 18	1 36.71	− 6 4.7	0.991	1.969	7.9	19.1
10 28	1 27.48	− 6 4.8	1.030	1.986	10.7	19.3
11 7	1 20.09	− 5 37.5	1.090	2.005	14.8	19.6
11 17	1 15.48	− 4 44.9	1.169	2.025	18.6	19.9
11 27	1 14.06	− 3 31.3	1.266	2.045	21.7	20.2

449958 2015 PG_2 10 19.0 78°.75 5°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.09	− 2 26.9	1.778	2.674	12.0	21.0
9 28	1 51.57	− 4 0.4	1.745	2.692	8.7	20.9
10 8	1 44.45	− 5 30.3	1.738	2.709	6.1	20.7
10 18	1 36.54	− 6 48.7	1.757	2.727	5.9	20.8
10 28	1 28.82	− 7 48.5	1.804	2.745	8.2	20.9
11 7	1 22.19	− 8 25.5	1.877	2.763	11.2	21.2
11 17	1 17.29	− 8 38.7	1.972	2.780	14.0	21.4
11 27	1 14.55	− 8 29.5	2.086	2.797	16.3	21.6

410641 2008 RX_{91} 10 19.0 317°.49 3°.8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.11	+21 36.0	2.249	3.079	12.4	21.1
9 28	1 53.86	+22 6.9	2.168	3.073	9.6	20.9
10 8	1 45.83	+22 24.2	2.111	3.067	6.6	20.8
10 18	1 36.69	+22 27.5	2.082	3.061	4.2	20.6
10 28	1 27.36	+22 18.2	2.081	3.055	4.4	20.6
11 7	1 18.79	+22 0.1	2.109	3.050	7.0	20.8
11 17	1 11.80	+21 38.0	2.163	3.045	10.0	20.9
11 27	1 6.98	+21 17.0	2.242	3.040	12.8	21.1

76251 2000 EK_{91} 10 19.0 246°.62 2°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.96	+19 49.0	2.386	3.227	11.4	19.4
9 28	1 50.73	+19 34.1	2.310	3.226	8.5	19.2
10 8	1 44.05	+19 5.8	2.259	3.225	5.5	19.1
10 18	1 36.53	+18 25.7	2.236	3.224	2.7	18.9
10 28	1 28.95	+17 37.3	2.241	3.222	3.3	18.9
11 7	1 22.11	+16 45.6	2.275	3.221	6.3	19.1
11 17	1 16.65	+15 55.8	2.337	3.220	9.3	19.3
11 27	1 13.07	+15 12.7	2.423	3.218	12.0	19.5

161489 2004 KN_6 10 19.0 229°.37 1°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 49.47	+ 0 47.9	4.313	5.193	5.9	20.0
9 28	1 45.64	+ 0 15.5	4.249	5.193	4.1	19.9
10 8	1 41.13	− 0 16.9	4.214	5.192	2.5	19.8
10 18	1 36.25	− 0 47.1	4.209	5.192	2.0	19.7
10 28	1 31.37	− 1 12.8	4.234	5.191	3.2	19.8
11 7	1 26.83	− 1 32.1	4.288	5.190	5.0	20.0
11 17	1 22.97	− 1 43.6	4.370	5.190	6.6	20.1
11 27	1 20.03	− 1 46.6	4.475	5.189	8.1	20.2

356095 2009 DU_{142} 10 19.0 83°.13 1°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.98	+15 38.6	1.866	2.727	13.2	20.8
9 28	1 53.71	+15 27.2	1.811	2.742	9.6	20.6
10 8	1 45.67	+15 3.1	1.781	2.756	5.6	20.4
10 18	1 36.68	+14 28.9	1.777	2.771	1.8	20.2
10 28	1 27.77	+13 49.3	1.802	2.785	3.6	20.3
11 7	1 19.94	+13 9.9	1.855	2.800	7.5	20.6
11 17	1 13.94	+12 36.0	1.934	2.814	11.1	20.9
11 27	1 10.26	+12 12.0	2.036	2.828	14.1	21.1

247992 2004 CF_{122} 10 19.0 126°.71 2°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.05	+19 11.6	2.048	2.895	12.7	20.5
9 28	1 52.33	+18 48.9	1.981	2.902	9.5	20.3
10 8	1 44.94	+18 11.0	1.939	2.908	5.9	20.1
10 18	1 36.62	+17 20.2	1.923	2.914	2.7	19.9
10 28	1 28.30	+16 21.3	1.937	2.919	3.6	20.0
11 7	1 20.91	+15 20.4	1.979	2.925	7.0	20.2
11 17	1 15.18	+14 23.7	2.048	2.930	10.5	20.5
11 27	1 11.61	+13 36.6	2.140	2.935	13.4	20.7

144482 2004 EW_{59} 10 19.0 212°.81 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.55	+12 39.5	2.439	3.298	10.6	20.3
9 28	1 53.23	+12 27.3	2.359	3.291	7.6	20.1
10 8	1 45.40	+12 6.8	2.305	3.284	4.2	19.9
10 18	1 36.67	+11 40.2	2.280	3.276	0.7	19.6
10 28	1 27.84	+11 10.7	2.286	3.268	3.2	19.8
11 7	1 19.71	+10 42.5	2.321	3.259	6.7	20.0
11 17	1 12.98	+10 19.3	2.383	3.250	9.8	20.2
11 27	1 8.14	+10 4.6	2.470	3.240	12.5	20.4

367581 2009 SA_{227} 10 19.0 20°.45 2°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.58	+ 4 1.0	1.973	2.860	11.4	20.1
9 28	1 51.96	+ 3 33.6	1.915	2.862	8.0	19.9
10 8	1 44.73	+ 3 3.7	1.882	2.865	4.4	19.6
10 18	1 36.60	+ 2 35.4	1.876	2.868	2.5	19.5
10 28	1 28.48	+ 2 13.5	1.899	2.871	5.1	19.7
11 7	1 21.27	+ 2 1.9	1.950	2.874	8.7	19.9
11 17	1 15.67	+ 2 3.1	2.025	2.877	11.9	20.1
11 27	1 12.17	+ 2 18.0	2.122	2.881	14.6	20.4

440839 2006 SA_{45} 10 19.0 336°.54 6°.3/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.28	+27 33.7	1.568	2.398	16.8	20.7
9 28	1 51.77	+27 37.5	1.491	2.389	13.6	20.4
10 8	1 44.93	+27 15.1	1.434	2.379	10.0	20.2
10 18	1 36.63	+26 25.8	1.400	2.371	7.0	20.0
10 28	1 28.12	+25 13.4	1.391	2.363	6.5	20.0
11 7	1 20.72	+23 46.2	1.408	2.356	9.1	20.1
11 17	1 15.48	+22 14.7	1.449	2.349	12.7	20.3
11 27	1 13.09	+20 49.3	1.512	2.343	16.2	20.5

43179 1999 XL_{204} 10 19.0 61°.43 6°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.02	−10 37.6	2.140	3.019	11.0	18.0
9 28	1 52.78	−11 18.8	2.098	3.025	8.6	17.9
10 8	1 45.08	−11 50.4	2.081	3.032	7.0	17.8
10 18	1 36.63	−12 7.3	2.091	3.039	7.0	17.8
10 28	1 28.31	−12 5.7	2.129	3.046	8.6	17.9
11 7	1 20.92	−11 44.3	2.192	3.054	10.9	18.1
11 17	1 15.11	−11 3.8	2.279	3.061	13.1	18.3
11 27	1 11.30	−10 6.5	2.385	3.068	15.1	18.5

140333 2001 TD_2 10 19.0 170°.73 12°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	3 23.76	+20 39.8	0.547	1.372	38.7	19.9
9 28	3 1.11	+23 42.6	0.493	1.396	30.5	19.5
10 8	2 25.91	+26 22.2	0.455	1.412	20.6	19.1
10 18	1 40.71	+27 49.0	0.441	1.422	12.7	18.7
10 28	0 54.66	+27 33.1	0.456	1.425	15.6	18.9
11 7	0 17.62	+26 4.8	0.496	1.421	24.5	19.4
11 17	23 53.34	+24 19.7	0.555	1.409	32.7	19.8
11 27	23 40.61	+22 56.0	0.624	1.391	38.9	20.2

316963 2001 FD_{57} 10 19.0 149°.16 5°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.91	+33 37.0	2.942	3.692	11.6	21.3
9 28	1 52.70	+33 49.0	2.865	3.700	9.7	21.2
10 8	1 45.08	+33 43.1	2.810	3.708	7.8	21.0
10 18	1 36.65	+33 18.9	2.782	3.716	6.2	21.0
10 28	1 28.18	+32 37.6	2.782	3.723	5.7	20.9
11 7	1 20.45	+31 43.2	2.810	3.729	6.5	21.0
11 17	1 14.08	+30 40.9	2.866	3.736	8.2	21.1
11 27	1 9.55	+29 36.4	2.948	3.742	10.1	21.3

483991 2006 CD_{18} 10 19.0 179°.44 3°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.84	+25 23.0	3.141	3.940	9.9	22.4
9 28	1 51.82	+25 27.1	3.059	3.942	7.8	22.3
10 8	1 44.58	+25 18.2	3.002	3.942	5.6	22.1
10 18	1 36.61	+24 56.8	2.973	3.943	3.8	22.0
10 28	1 28.58	+24 24.6	2.974	3.943	3.7	22.0
11 7	1 21.15	+23 44.9	3.006	3.942	5.4	22.1
11 17	1 14.87	+23 1.9	3.066	3.941	7.6	22.3
11 27	1 10.17	+22 19.9	3.151	3.940	9.7	22.4

161889 2007 DP_3 10 19.0 190°.70 4°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.16	+23 0.3	1.702	2.540	15.3	20.3
9 28	1 54.96	+22 59.6	1.630	2.540	11.9	20.1
10 8	1 46.55	+22 38.2	1.580	2.539	8.1	19.9
10 18	1 36.81	+21 56.7	1.556	2.538	4.8	19.7
10 28	1 26.95	+20 59.2	1.559	2.537	5.0	19.7
11 7	1 18.23	+19 53.1	1.589	2.536	8.4	19.9
11 17	1 11.60	+18 46.9	1.645	2.534	12.1	20.1
11 27	1 7.71	+17 48.7	1.723	2.532	15.5	20.4

517283 2014 GV_{41} 10 19.0 183°.16 0°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.95	+12 38.9	2.162	3.025	11.5	22.2
9 28	1 53.61	+12 22.3	2.091	3.025	8.3	22.0
10 8	1 45.64	+11 56.5	2.046	3.025	4.6	21.8
10 18	1 36.72	+11 24.1	2.029	3.025	0.7	21.5
10 28	1 27.76	+10 49.0	2.042	3.024	3.4	21.7
11 7	1 19.64	+10 16.1	2.084	3.023	7.2	21.9
11 17	1 13.10	+ 9 49.6	2.153	3.021	10.6	22.1
11 27	1 8.65	+ 9 33.1	2.244	3.019	13.5	22.3

438435 2006 WP_{71} 10 19.0 279°.18 1°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.55	+ 6 46.8	1.509	2.396	14.3	21.8
9 28	1 56.21	+ 6 27.4	1.429	2.376	10.2	21.5
10 8	1 47.38	+ 6 1.0	1.372	2.356	5.5	21.2
10 18	1 36.91	+ 5 32.3	1.341	2.336	1.8	20.9
10 28	1 26.08	+ 5 7.0	1.338	2.316	5.7	21.1
11 7	1 16.29	+ 4 51.4	1.360	2.295	10.7	21.3
11 17	1 8.68	+ 4 49.8	1.407	2.274	15.2	21.6
11 27	1 4.03	+ 5 4.9	1.472	2.253	19.1	21.8

57920 2002 EL_{153} 10 19.0 319°.29 0°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 49.31	+ 9 50.0	4.248	5.115	6.3	19.6
9 28	1 45.57	+ 9 22.2	4.175	5.113	4.4	19.4
10 8	1 41.12	+ 8 50.6	4.129	5.111	2.3	19.3
10 18	1 36.29	+ 8 17.1	4.113	5.109	0.3	19.1
10 28	1 31.44	+ 7 44.0	4.128	5.107	2.1	19.3
11 7	1 26.94	+ 7 13.5	4.173	5.105	4.2	19.4
11 17	1 23.12	+ 6 47.6	4.246	5.103	6.1	19.6
11 27	1 20.25	+ 6 28.1	4.345	5.101	7.7	19.7

240203 2002 RB_{142} 10 19.0 94°.61 0°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.64	+11 27.8	1.938	2.811	12.2	20.7
9 28	1 52.60	+10 27.2	1.893	2.834	8.5	20.5
10 8	1 45.00	+ 9 17.2	1.873	2.856	4.5	20.3
10 18	1 36.66	+ 8 3.3	1.882	2.878	0.7	20.1
10 28	1 28.51	+ 6 51.9	1.920	2.900	4.1	20.4
11 7	1 21.41	+ 5 49.4	1.987	2.921	7.9	20.7
11 17	1 16.01	+ 5 0.3	2.080	2.942	11.2	20.9
11 27	1 12.73	+ 4 27.5	2.195	2.962	14.0	21.2

390796 2004 DT_{4} 10 19.0 194°.74 2°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.51	+ 3 34.0	2.128	3.013	10.8	21.2
9 28	1 51.86	+ 2 41.6	2.065	3.012	7.6	21.0
10 8	1 44.68	+ 1 46.3	2.028	3.010	4.3	20.8
10 18	1 36.65	+ 0 52.9	2.019	3.008	2.9	20.7
10 28	1 28.60	+ 0 7.2	2.040	3.006	5.4	20.9
11 7	1 21.37	− 0 26.3	2.088	3.003	8.7	21.1
11 17	1 15.65	− 0 44.8	2.162	3.000	11.8	21.3
11 27	1 11.90	− 0 47.0	2.257	2.997	14.4	21.5

268914 2007 CM_{19} 10 19.0 196°.25 1°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.24	+ 8 19.4	1.820	2.699	12.6	21.5
9 28	1 54.03	+ 7 34.2	1.753	2.698	8.8	21.3
10 8	1 45.94	+ 6 40.9	1.712	2.695	4.7	21.0
10 18	1 36.77	+ 5 44.5	1.698	2.693	1.5	20.8
10 28	1 27.56	+ 4 51.5	1.713	2.689	4.9	21.0
11 7	1 19.34	+ 4 7.9	1.755	2.685	9.0	21.3
11 17	1 12.94	+ 3 38.3	1.823	2.681	12.8	21.5
11 27	1 8.92	+ 3 25.1	1.912	2.676	15.9	21.7

48354 1291 $T\text{-}_{1}$ 10 19.0 170°.85 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.21	+11 38.0	2.112	2.983	11.4	20.2
9 28	1 51.65	+10 33.1	2.046	2.986	8.0	20.0
10 8	1 44.57	+ 9 18.0	2.006	2.989	4.2	19.8
10 18	1 36.64	+ 7 57.4	1.995	2.991	0.7	19.5
10 28	1 28.72	+ 6 38.0	2.013	2.992	4.0	19.8
11 7	1 21.67	+ 5 26.3	2.061	2.993	7.7	20.0
11 17	1 16.14	+ 4 27.4	2.135	2.994	11.1	20.2
11 27	1 12.62	+ 3 44.8	2.231	2.994	13.9	20.4

189145 2002 GU_{47} 10 19.1 91°.02 2°.5/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.26	+21 34.7	2.271	3.107	12.1	19.9
9 28	1 50.90	+20 54.9	2.211	3.123	9.1	19.7
10 8	1 44.12	+19 59.3	2.175	3.138	5.8	19.5
10 18	1 36.59	+18 50.7	2.166	3.153	2.9	19.4
10 28	1 29.16	+17 34.1	2.187	3.168	3.4	19.4
11 7	1 22.60	+16 15.8	2.237	3.183	6.3	19.7
11 17	1 17.54	+15 2.0	2.315	3.198	9.4	19.9
11 27	1 14.39	+13 58.0	2.418	3.213	12.0	20.1

251716 1997 GR_{10} 10 19.1 169°.23 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.83	+11 43.2	2.241	3.107	11.1	20.4
9 28	1 52.79	+11 35.0	2.172	3.108	7.9	20.2
10 8	1 45.19	+11 18.9	2.129	3.109	4.3	20.0
10 18	1 36.71	+10 57.2	2.114	3.110	0.6	19.7
10 28	1 28.19	+10 33.6	2.128	3.110	3.3	19.9
11 7	1 20.46	+10 12.1	2.172	3.111	7.0	20.2
11 17	1 14.23	+ 9 56.3	2.242	3.111	10.2	20.4
11 27	1 9.98	+ 9 49.3	2.335	3.111	13.0	20.6

36250 1999 VB_{179} 10 19.1 84°.21 5°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.60	− 6 32.6	2.134	3.022	10.6	18.2
9 28	1 51.10	− 7 39.3	2.096	3.034	8.0	18.1
10 8	1 44.21	− 8 39.8	2.084	3.046	6.1	18.0
10 18	1 36.61	− 9 28.3	2.099	3.057	6.1	18.0
10 28	1 29.12	− 9 59.8	2.141	3.069	7.9	18.1
11 7	1 22.53	−10 11.6	2.209	3.081	10.4	18.3
11 17	1 17.43	−10 3.5	2.301	3.093	12.8	18.5
11 27	1 14.22	− 9 36.7	2.413	3.104	14.8	18.7

152681 1998 KY_{10} 10 19.1 32°.46 4°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.92	+ 0 53.6	1.796	2.693	11.8	19.7
9 28	1 50.17	− 0 25.9	1.749	2.700	8.4	19.5
10 8	1 43.81	− 1 46.2	1.727	2.706	5.3	19.4
10 18	1 36.58	− 2 59.8	1.732	2.713	4.6	19.4
10 28	1 29.41	− 3 59.6	1.765	2.720	7.1	19.5
11 7	1 23.22	− 4 40.5	1.823	2.728	10.4	19.7
11 17	1 18.68	− 5 0.2	1.905	2.736	13.5	20.0
11 27	1 16.25	− 4 58.5	2.007	2.744	16.1	20.2

172317 Walterbos 10 19.1 149°.23 6°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.37	− 9 11.1	2.066	2.947	11.2	20.4
9 28	1 53.13	−10 9.9	2.021	2.952	8.7	20.3
10 8	1 45.33	−11 0.4	2.002	2.956	7.0	20.2
10 18	1 36.72	−11 36.6	2.010	2.960	7.0	20.2
10 28	1 28.21	−11 53.5	2.045	2.964	8.8	20.3
11 7	1 20.64	−11 49.2	2.105	2.968	11.2	20.5
11 17	1 14.70	−11 24.0	2.189	2.971	13.6	20.7
11 27	1 10.82	−10 39.7	2.292	2.974	15.7	20.8

317282 2002 EB_{162} 10 19.1 265°.54 2°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.45	+ 5 2.3	1.382	2.274	15.0	20.7
9 28	1 56.86	+ 4 38.6	1.316	2.265	10.6	20.4
10 8	1 47.71	+ 4 9.7	1.272	2.257	5.8	20.2
10 18	1 36.98	+ 3 41.3	1.254	2.248	2.7	19.9
10 28	1 26.08	+ 3 19.7	1.263	2.239	6.4	20.1
11 7	1 16.46	+ 3 10.9	1.297	2.230	11.3	20.4
11 17	1 9.22	+ 3 18.4	1.355	2.220	15.8	20.7
11 27	1 5.08	+ 3 43.6	1.431	2.211	19.5	20.9

243127 2007 RY_{258} 10 19.1 50°.47 6°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.25	− 1 26.0	0.943	1.855	18.3	18.7
9 28	1 57.28	− 2 28.1	0.926	1.883	13.0	18.5
10 8	1 47.67	− 3 23.9	0.930	1.910	8.4	18.3
10 18	1 36.94	− 4 3.1	0.956	1.939	7.0	18.4
10 28	1 26.89	− 4 18.1	1.006	1.968	10.1	18.6
11 7	1 18.98	− 4 6.2	1.077	1.997	14.5	19.0
11 17	1 14.07	− 3 29.3	1.168	2.026	18.4	19.3
11 27	1 12.49	− 2 31.3	1.276	2.056	21.5	19.6

94176 2001 AN_{32} 10 19.1 174°.08 4°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.92	− 2 28.5	2.357	3.241	9.9	19.4
9 28	1 52.00	− 3 7.4	2.300	3.242	7.2	19.2
10 8	1 44.72	− 3 44.0	2.270	3.243	4.8	19.0
10 18	1 36.68	− 4 13.8	2.267	3.244	4.2	19.0
10 28	1 28.67	− 4 32.6	2.294	3.244	6.1	19.1
11 7	1 21.44	− 4 37.5	2.349	3.244	8.8	19.3
11 17	1 15.58	− 4 27.5	2.429	3.245	11.4	19.5
11 27	1 11.55	− 4 2.7	2.530	3.244	13.6	19.7

450200 2002 GW_{189} 10 19.1 102°.77 0°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.61	+ 8 53.6	2.208	3.081	10.9	21.1
9 28	1 52.59	+ 8 39.1	2.146	3.087	7.7	21.0
10 8	1 45.07	+ 8 18.8	2.110	3.093	4.1	20.7
10 18	1 36.72	+ 7 55.6	2.103	3.098	0.7	20.5
10 28	1 28.38	+ 7 33.3	2.124	3.104	3.7	20.7
11 7	1 20.88	+ 7 15.8	2.175	3.110	7.3	21.0
11 17	1 14.87	+ 7 6.1	2.252	3.115	10.5	21.2
11 27	1 10.84	+ 7 6.7	2.352	3.121	13.1	21.4

143983 2003 YE_{152} 10 19.1 139°.23 4°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.59	− 3 21.8	1.893	2.779	11.9	19.9
9 28	1 54.83	− 3 51.2	1.839	2.781	8.7	19.7
10 8	1 46.31	− 4 16.5	1.810	2.783	5.8	19.6
10 18	1 36.84	− 4 32.6	1.808	2.785	5.0	19.5
10 28	1 27.42	− 4 35.0	1.835	2.787	7.2	19.7
11 7	1 19.03	− 4 21.1	1.888	2.789	10.3	19.9
11 17	1 12.43	− 3 50.6	1.966	2.790	13.4	20.1
11 27	1 8.13	− 3 4.4	2.064	2.792	16.0	20.3

315979 2009 CC_{23} 10 19.1 75°.80 4°.4/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.41	+22 20.3	1.247	2.102	18.7	20.7
9 28	1 57.45	+22 11.0	1.205	2.125	14.2	20.4
10 8	1 47.88	+21 36.0	1.183	2.148	9.3	20.2
10 18	1 36.99	+20 37.9	1.185	2.171	5.1	20.1
10 28	1 26.40	+19 24.1	1.212	2.193	5.5	20.2
11 7	1 17.59	+18 5.6	1.266	2.216	9.6	20.5
11 17	1 11.57	+16 52.9	1.343	2.238	13.9	20.8
11 27	1 8.80	+15 54.4	1.440	2.260	17.5	21.1

515954 2015 RO_{74} 10 19.1 38°.14 0°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.25	+13 18.8	1.813	2.687	12.9	21.3
9 28	1 51.92	+12 50.0	1.753	2.692	9.2	21.1
10 8	1 44.81	+12 9.5	1.716	2.697	5.1	20.9
10 18	1 36.70	+11 21.1	1.706	2.702	0.8	20.5
10 28	1 28.61	+10 30.5	1.724	2.707	3.8	20.8
11 7	1 21.50	+ 9 43.7	1.769	2.712	8.0	21.1
11 17	1 16.16	+ 9 6.1	1.840	2.718	11.7	21.3
11 27	1 13.08	+ 8 41.6	1.933	2.724	14.8	21.5

309007 2006 UL_{77} 10 19.1 352°.90 1°.9/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.27	+17 2.5	1.737	2.601	13.8	20.9
9 28	1 52.10	+16 43.8	1.668	2.600	10.2	20.6
10 8	1 44.99	+16 9.6	1.623	2.598	6.1	20.4
10 18	1 36.74	+15 22.7	1.604	2.597	2.3	20.2
10 28	1 28.41	+14 28.3	1.612	2.596	3.9	20.3
11 7	1 21.09	+13 33.2	1.647	2.595	8.0	20.5
11 17	1 15.63	+12 44.2	1.708	2.595	11.9	20.8
11 27	1 12.59	+12 6.8	1.791	2.595	15.2	21.0

195245 2002 EN_{37} 10 19.1 158°.55 0°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 49.49	+ 7 42.9	4.702	5.571	5.6	20.6
9 28	1 45.65	+ 7 20.9	4.634	5.573	3.9	20.5
10 8	1 41.18	+ 6 56.4	4.593	5.575	2.1	20.4
10 18	1 36.36	+ 6 31.0	4.582	5.577	0.6	20.2
10 28	1 31.54	+ 6 6.7	4.602	5.579	2.1	20.4
11 7	1 27.04	+ 5 45.4	4.653	5.580	3.9	20.5
11 17	1 23.15	+ 5 28.6	4.732	5.582	5.6	20.7
11 27	1 20.13	+ 5 17.6	4.836	5.583	7.1	20.8

510543 2012 JK_{10} 10 19.1 27°.99 2°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.69	+20 11.5	0.999	1.888	19.6	19.9
9 28	1 50.94	+19 11.6	0.961	1.903	14.5	19.6
10 8	1 44.51	+17 42.8	0.941	1.919	8.7	19.4
10 18	1 36.69	+15 52.9	0.943	1.936	3.3	19.1
10 28	1 29.11	+13 55.2	0.968	1.955	5.0	19.3
11 7	1 23.25	+12 4.7	1.018	1.974	10.5	19.7
11 17	1 20.06	+10 33.2	1.089	1.995	15.4	20.0
11 27	1 19.99	+ 9 27.7	1.179	2.017	19.4	20.4

30717 1937 UD 10 19.1 17°.93 2°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.89	+ 0 15.8	0.519	1.460	23.3	15.4
9 28	1 57.53	+ 2 8.7	0.505	1.476	16.5	15.1
10 8	1 48.21	+ 4 5.2	0.505	1.495	8.9	14.9
10 18	1 37.03	+ 6 1.5	0.523	1.518	2.5	14.7
10 28	1 26.67	+ 7 54.1	0.559	1.545	7.6	15.1
11 7	1 19.31	+ 9 41.1	0.613	1.574	14.1	15.6
11 17	1 16.04	+11 22.2	0.685	1.607	19.6	16.1
11 27	1 17.12	+12 59.4	0.772	1.641	23.9	16.5

481672 2007 WY_{10} 10 19.1 301°.09 7°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.06	− 8 58.0	1.687	2.575	13.0	20.7
9 28	1 54.97	− 9 52.2	1.611	2.545	10.2	20.4
10 8	1 46.67	−10 38.6	1.557	2.516	8.2	20.2
10 18	1 36.93	−11 9.1	1.529	2.486	8.2	20.2
10 28	1 26.89	−11 16.8	1.528	2.457	10.4	20.2
11 7	1 17.77	−10 57.8	1.550	2.427	13.7	20.4
11 17	1 10.57	−10 12.2	1.595	2.398	17.0	20.5
11 27	1 6.01	− 9 2.4	1.657	2.368	19.9	20.7

13193 1997 CW 10 19.1 203°.88 0°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.14	+ 9 50.5	1.712	2.588	13.4	18.4
9 28	1 55.54	+ 9 23.6	1.643	2.585	9.5	18.2
10 8	1 46.86	+ 8 47.5	1.599	2.582	5.1	17.9
10 18	1 36.95	+ 8 6.3	1.582	2.578	0.8	17.6
10 28	1 26.95	+ 7 25.5	1.593	2.573	4.6	17.9
11 7	1 18.02	+ 6 51.3	1.632	2.568	9.1	18.1
11 17	1 11.06	+ 6 28.6	1.696	2.563	13.1	18.4
11 27	1 6.70	+ 6 20.4	1.781	2.557	16.4	18.6

254883 2005 SH_{30} 10 19.1 101°.50 2°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.00	+ 6 59.7	2.067	2.951	11.1	20.7
9 28	1 50.81	+ 5 59.1	2.010	2.957	7.7	20.5
10 8	1 44.15	+ 4 52.6	1.980	2.963	4.1	20.3
10 18	1 36.68	+ 3 45.6	1.977	2.970	2.0	20.2
10 28	1 29.26	+ 2 44.2	2.003	2.976	4.8	20.4
11 7	1 22.69	+ 1 53.8	2.058	2.982	8.3	20.6
11 17	1 17.63	+ 1 18.1	2.138	2.988	11.5	20.8
11 27	1 14.53	+ 0 59.0	2.239	2.994	14.1	21.0

114565 2003 BN_{60} 10 19.1 342°.29 0°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.66	+14 1.5	1.218	2.110	16.6	19.2
9 28	1 52.29	+13 29.9	1.154	2.101	12.0	18.9
10 8	1 45.35	+12 40.2	1.111	2.094	6.7	18.6
10 18	1 36.82	+11 37.4	1.091	2.087	1.1	18.3
10 28	1 28.13	+10 29.9	1.097	2.081	5.0	18.5
11 7	1 20.75	+ 9 27.7	1.126	2.077	10.6	18.8
11 17	1 15.80	+ 8 39.5	1.178	2.073	15.5	19.1
11 27	1 13.97	+ 8 11.0	1.249	2.070	19.6	19.3

145717 1993 FQ_{41} 10 19.1 235°.73 0°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.79	+13 37.5	2.316	3.177	11.0	21.1
9 28	1 52.12	+13 16.1	2.235	3.168	7.9	20.9
10 8	1 44.90	+12 44.8	2.180	3.159	4.4	20.7
10 18	1 36.77	+12 6.2	2.153	3.149	0.9	20.4
10 28	1 28.52	+11 24.3	2.156	3.139	3.2	20.6
11 7	1 20.99	+10 43.8	2.188	3.129	6.8	20.8
11 17	1 14.87	+10 9.2	2.247	3.118	10.1	21.0
11 27	1 10.68	+ 9 44.3	2.330	3.107	13.0	21.2

49020 1998 QP_{86} 10 19.1 124°.38 3°.0/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.33	+20 37.7	1.661	2.510	15.2	19.3
9 28	1 54.96	+20 11.9	1.601	2.521	11.4	19.1
10 8	1 46.51	+19 26.4	1.564	2.531	7.2	18.9
10 18	1 36.92	+18 23.7	1.552	2.541	3.5	18.7
10 28	1 27.40	+17 10.0	1.569	2.551	4.3	18.8
11 7	1 19.11	+15 53.9	1.613	2.560	8.2	19.1
11 17	1 12.92	+14 43.4	1.683	2.569	12.1	19.3
11 27	1 9.39	+13 45.4	1.775	2.578	15.4	19.5

365758 2010 XR_2 10 19.1 11°.38 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.88	+ 8 21.3	1.811	2.692	12.6	20.2
9 28	1 53.81	+ 8 21.5	1.749	2.693	8.9	20.0
10 8	1 45.87	+ 8 15.9	1.712	2.695	4.7	19.7
10 18	1 36.87	+ 8 7.1	1.701	2.697	0.7	19.4
10 28	1 27.83	+ 7 59.2	1.719	2.700	4.2	19.7
11 7	1 19.79	+ 7 56.0	1.765	2.703	8.4	20.0
11 17	1 13.57	+ 8 0.7	1.836	2.707	12.0	20.2
11 27	1 9.70	+ 8 15.8	1.928	2.711	15.1	20.4

205116 1999 VF_{20} 10 19.1 0°.93 1°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.85	+ 7 4.1	0.939	1.858	17.7	18.3
9 28	1 51.35	+ 7 12.2	0.891	1.853	12.6	18.0
10 8	1 44.94	+ 7 13.1	0.862	1.850	6.7	17.7
10 18	1 36.78	+ 7 11.3	0.854	1.850	1.5	17.4
10 28	1 28.55	+ 7 13.3	0.869	1.852	6.3	17.7
11 7	1 21.92	+ 7 24.8	0.904	1.857	12.1	18.1
11 17	1 18.07	+ 7 49.7	0.960	1.864	17.2	18.4
11 27	1 17.68	+ 8 29.8	1.033	1.874	21.4	18.7

129944 1999 TC_{182} 10 19.1 167°.64 0°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.48	+15 4.2	2.070	2.931	12.1	20.2
9 28	1 52.65	+14 18.6	2.002	2.934	8.7	20.0
10 8	1 45.19	+13 20.2	1.959	2.937	4.9	19.8
10 18	1 36.82	+12 12.9	1.945	2.940	1.0	19.5
10 28	1 28.45	+11 2.3	1.959	2.942	3.5	19.7
11 7	1 20.99	+ 9 55.1	2.003	2.944	7.4	20.0
11 17	1 15.14	+ 8 56.9	2.074	2.945	10.8	20.2
11 27	1 11.39	+ 8 12.0	2.168	2.946	13.8	20.4

405272 2003 SM_{332} 10 19.1 354°.68 1°.8/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 52.31	+ 9 17.3	1.652	2.547	12.8	20.9
9 28	1 48.60	+ 8 2.9	1.590	2.542	8.9	20.6
10 8	1 43.12	+ 6 37.8	1.552	2.537	4.7	20.4
10 18	1 36.62	+ 5 8.8	1.540	2.534	1.8	20.2
10 28	1 30.08	+ 3 44.7	1.555	2.532	5.3	20.4
11 7	1 24.48	+ 2 33.3	1.597	2.530	9.5	20.7
11 17	1 20.59	+ 1 40.4	1.662	2.530	13.3	20.9
11 27	1 18.94	+ 1 9.0	1.749	2.530	16.5	21.1

211362 2002 TB_{206} 10 19.1 10°.56 1°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.57	+16 23.0	1.377	2.259	15.7	19.5
9 28	1 51.20	+15 52.9	1.321	2.261	11.5	19.3
10 8	1 44.62	+15 4.5	1.285	2.264	6.7	19.0
10 18	1 36.77	+14 2.2	1.274	2.269	2.0	18.7
10 28	1 28.91	+12 53.5	1.289	2.274	4.3	18.9
11 7	1 22.29	+11 47.6	1.329	2.280	9.2	19.2
11 17	1 17.84	+10 52.3	1.393	2.287	13.6	19.5
11 27	1 16.12	+10 13.4	1.477	2.295	17.2	19.8

289122 2004 TY_{367} 10 19.1 80°.65 1°.0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.17	+10 51.7	1.241	2.129	16.7	20.9
9 28	1 57.06	+ 9 59.0	1.207	2.154	11.7	20.7
10 8	1 47.60	+ 8 54.3	1.196	2.180	6.1	20.5
10 18	1 37.05	+ 7 44.9	1.209	2.205	1.0	20.2
10 28	1 26.89	+ 6 39.9	1.249	2.230	5.5	20.6
11 7	1 18.47	+ 5 47.8	1.315	2.255	10.5	20.9
11 17	1 12.65	+ 5 13.7	1.404	2.279	14.8	21.3
11 27	1 9.85	+ 5 0.0	1.513	2.302	18.3	21.6

353749 2011 YP_{74} 10 19.1 300°.79 6°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 51.20	−24 30.8	4.227	5.053	7.1	20.3
9 28	1 46.94	−25 17.6	4.191	5.047	6.5	20.2
10 8	1 41.93	−25 54.2	4.181	5.042	6.3	20.2
10 18	1 36.50	−26 17.7	4.196	5.037	6.7	20.2
10 28	1 31.09	−26 25.9	4.236	5.031	7.4	20.3
11 7	1 26.10	−26 18.4	4.299	5.026	8.3	20.3
11 17	1 21.89	−25 55.4	4.383	5.021	9.2	20.4
11 27	1 18.73	−25 18.2	4.484	5.015	10.1	20.5

193457 2000 XJ_2 10 19.1 92°.71 0°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.63	+10 33.0	1.688	2.568	13.4	21.0
9 28	1 53.65	+ 9 55.6	1.634	2.578	9.4	20.7
10 8	1 45.78	+ 9 8.5	1.604	2.588	5.0	20.5
10 18	1 36.89	+ 8 16.5	1.601	2.597	0.7	20.2
10 28	1 28.07	+ 7 25.8	1.626	2.607	4.4	20.5
11 7	1 20.39	+ 6 42.8	1.679	2.616	8.8	20.8
11 17	1 14.63	+ 6 12.2	1.756	2.626	12.6	21.1
11 27	1 11.30	+ 5 57.1	1.854	2.635	15.7	21.3

452539 2004 TZ_{272} 10 19.1 6°.41 1°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.62	+ 4 21.6	1.669	2.556	13.1	20.1
9 28	1 55.14	+ 4 34.4	1.609	2.556	9.3	19.9
10 8	1 46.64	+ 4 45.4	1.574	2.558	5.0	19.6
10 18	1 36.98	+ 4 57.6	1.566	2.560	1.9	19.4
10 28	1 27.29	+ 5 14.1	1.586	2.563	5.0	19.7
11 7	1 18.71	+ 5 37.6	1.633	2.567	9.2	19.9
11 17	1 12.12	+ 6 10.1	1.704	2.572	13.0	20.2
11 27	1 8.09	+ 6 52.5	1.797	2.577	16.2	20.4

356779 2011 UU_{295} 10 19.1 236°.83 0°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.24	+13 6.6	1.894	2.766	12.5	21.2
9 28	1 51.92	+12 26.8	1.827	2.766	8.9	21.0
10 8	1 44.86	+11 35.3	1.784	2.765	4.9	20.8
10 18	1 36.80	+10 36.1	1.768	2.764	0.6	20.5
10 28	1 28.72	+ 9 35.1	1.781	2.764	3.8	20.7
11 7	1 21.55	+ 8 38.8	1.822	2.763	7.9	21.0
11 17	1 16.07	+ 7 52.7	1.889	2.763	11.6	21.2
11 27	1 12.80	+ 7 20.8	1.978	2.762	14.7	21.4

385825 2006 GG_{12} 10 19.1 121°.78 1°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.42	+ 8 22.8	1.983	2.858	11.9	21.7
9 28	1 53.94	+ 7 48.2	1.930	2.872	8.3	21.5
10 8	1 45.85	+ 7 7.3	1.903	2.886	4.4	21.3
10 18	1 36.90	+ 6 24.2	1.903	2.898	1.2	21.1
10 28	1 28.04	+ 5 44.0	1.933	2.911	4.3	21.3
11 7	1 20.20	+ 5 11.7	1.992	2.923	8.1	21.6
11 17	1 14.05	+ 4 50.7	2.076	2.934	11.4	21.8
11 27	1 10.08	+ 4 43.3	2.183	2.946	14.2	22.0

408662 2014 MG_{25} 10 19.1 48°.75 2°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.60	+ 4 39.8	1.864	2.754	11.8	21.1
9 28	1 51.33	+ 3 50.6	1.817	2.766	8.2	20.9
10 8	1 44.46	+ 2 58.0	1.795	2.778	4.5	20.7
10 18	1 36.76	+ 2 7.5	1.800	2.791	2.7	20.6
10 28	1 29.16	+ 1 24.8	1.833	2.803	5.4	20.8
11 7	1 22.54	+ 0 54.7	1.893	2.816	9.0	21.0
11 17	1 17.58	+ 0 39.9	1.978	2.829	12.2	21.3
11 27	1 14.71	+ 0 41.7	2.084	2.842	14.9	21.5

3150 Tosa 10 19.1 121°.13 6°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.48	+31 27.5	2.632	3.398	12.5	16.6
9 28	1 55.46	+32 9.2	2.559	3.407	10.4	16.5
10 8	1 46.75	+32 33.3	2.509	3.416	8.2	16.3
10 18	1 37.01	+32 38.2	2.485	3.424	6.5	16.2
10 28	1 27.14	+32 24.5	2.489	3.432	6.1	16.2
11 7	1 18.07	+31 55.7	2.522	3.441	7.2	16.3
11 17	1 10.55	+31 16.8	2.582	3.449	9.1	16.5
11 27	1 5.14	+30 34.1	2.666	3.456	11.2	16.6

126874 2002 EY_{88} 10 19.1 261°.54 1°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.39	+ 7 23.8	1.710	2.595	13.0	20.1
9 28	1 53.62	+ 6 46.0	1.642	2.589	9.1	19.9
10 8	1 45.86	+ 6 1.0	1.598	2.582	4.9	19.6
10 18	1 36.92	+ 5 13.6	1.581	2.575	1.8	19.4
10 28	1 27.89	+ 4 30.3	1.592	2.568	5.2	19.6
11 7	1 19.86	+ 3 56.9	1.630	2.562	9.5	19.8
11 17	1 13.70	+ 3 37.7	1.692	2.555	13.3	20.1
11 27	1 10.01	+ 3 35.2	1.775	2.548	16.6	20.3

4524 Barklajdetolli 10 19.1 45°.87 2°.9/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.82	+ 8 0.0	1.191	2.094	16.0	15.8
9 28	1 52.81	+ 6 34.6	1.150	2.106	11.1	15.5
10 8	1 45.46	+ 4 59.0	1.132	2.118	5.9	15.3
10 18	1 36.88	+ 3 23.2	1.137	2.130	3.0	15.1
10 28	1 28.49	+ 1 58.8	1.169	2.143	6.9	15.4
11 7	1 21.60	+ 0 54.8	1.224	2.157	11.8	15.7
11 17	1 17.11	+ 0 16.4	1.301	2.171	16.1	16.0
11 27	1 15.51	+ 0 4.4	1.397	2.185	19.6	16.3

183878 2004 CS_{53} 10 19.1 104°.23 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.49	+11 40.4	1.640	2.514	14.0	20.6
9 28	1 55.62	+11 4.7	1.593	2.533	9.9	20.4
10 8	1 46.81	+10 18.3	1.570	2.552	5.3	20.1
10 18	1 37.01	+ 9 25.8	1.574	2.570	0.5	19.8
10 28	1 27.40	+ 8 33.7	1.606	2.588	4.3	20.2
11 7	1 19.07	+ 7 48.5	1.666	2.605	8.7	20.5
11 17	1 12.82	+ 7 15.3	1.751	2.622	12.6	20.8
11 27	1 9.13	+ 6 57.3	1.858	2.638	15.7	21.0

259365 2003 HE_{10} 10 19.1 74°.66 0°.7/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.49	+10 7.2	1.212	2.100	16.9	20.3
9 28	1 58.10	+ 9 42.6	1.177	2.124	11.9	20.1
10 8	1 48.23	+ 9 7.1	1.163	2.147	6.3	19.9
10 18	1 37.15	+ 8 26.2	1.174	2.170	0.8	19.6
10 28	1 26.44	+ 7 47.4	1.212	2.194	5.4	20.0
11 7	1 17.51	+ 7 17.8	1.275	2.216	10.5	20.3
11 17	1 11.30	+ 7 2.4	1.360	2.239	14.9	20.6
11 27	1 8.25	+ 7 3.6	1.466	2.261	18.4	21.0

400658 2009 HC_{55} 10 19.1 133°.37 1°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.49	+ 7 50.2	2.295	3.169	10.5	22.3
9 28	1 52.44	+ 7 11.2	2.239	3.181	7.4	22.1
10 8	1 45.01	+ 6 26.8	2.209	3.192	3.9	21.9
10 18	1 36.84	+ 5 41.0	2.209	3.203	1.3	21.7
10 28	1 28.74	+ 4 58.4	2.238	3.214	4.0	21.9
11 7	1 21.47	+ 4 23.3	2.296	3.224	7.3	22.2
11 17	1 15.65	+ 3 59.0	2.381	3.234	10.4	22.4
11 27	1 11.71	+ 3 47.4	2.489	3.243	12.9	22.6

313234 2001 TD_{241} 10 19.1 284°.77 0°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.76	+12 1.3	1.275	2.161	16.4	20.6
9 28	1 56.68	+11 51.9	1.206	2.151	11.9	20.3
10 8	1 47.81	+11 28.9	1.158	2.140	6.6	20.0
10 18	1 37.14	+10 55.7	1.134	2.130	0.9	19.6
10 28	1 26.20	+10 18.5	1.136	2.120	5.2	19.8
11 7	1 16.56	+ 9 45.3	1.163	2.109	10.8	20.1
11 17	1 9.50	+ 9 23.0	1.213	2.099	15.8	20.4
11 27	1 5.77	+ 9 16.6	1.282	2.089	19.9	20.6

322172 2010 XH_{24} 10 19.1 310°.06 5°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.53	− 3 30.5	2.015	2.907	11.0	20.0
9 28	1 51.30	− 4 29.2	1.958	2.902	8.1	19.8
10 8	1 44.50	− 5 25.1	1.925	2.896	5.7	19.7
10 18	1 36.80	− 6 12.0	1.920	2.891	5.4	19.7
10 28	1 29.08	− 6 44.2	1.942	2.886	7.5	19.8
11 7	1 22.21	− 6 58.2	1.991	2.881	10.4	20.0
11 17	1 16.87	− 6 52.6	2.062	2.877	13.2	20.1
11 27	1 13.56	− 6 27.9	2.154	2.872	15.6	20.3

475383 2006 GP_5 10 19.1 103°.30 2°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.19	+ 5 0.7	1.801	2.686	12.4	21.1
9 28	1 53.89	+ 4 17.5	1.753	2.699	8.7	20.9
10 8	1 45.86	+ 3 30.5	1.729	2.712	4.7	20.7
10 18	1 36.93	+ 2 45.0	1.733	2.725	2.5	20.5
10 28	1 28.12	+ 2 6.8	1.766	2.737	5.4	20.8
11 7	1 20.40	+ 1 40.7	1.826	2.750	9.2	21.0
11 17	1 14.50	+ 1 29.4	1.910	2.761	12.6	21.3
11 27	1 10.89	+ 1 34.2	2.016	2.773	15.4	21.5

513731 2012 TZ_{231} 10 19.1 344°.86 5°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.88	− 1 14.8	1.299	2.202	15.0	20.3
9 28	1 55.08	− 1 41.5	1.243	2.195	10.9	20.1
10 8	1 46.80	− 2 5.4	1.208	2.188	6.9	19.8
10 18	1 37.05	− 2 19.5	1.198	2.183	5.4	19.7
10 28	1 27.22	− 2 17.4	1.213	2.178	8.4	19.9
11 7	1 18.73	− 1 55.6	1.252	2.174	12.7	20.1
11 17	1 12.62	− 1 13.3	1.313	2.171	16.8	20.4
11 27	1 9.54	− 0 12.1	1.392	2.168	20.2	20.6

405828 2006 BX_{141} 10 19.1 300°.70 4°.7/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.15	+24 55.6	2.119	2.941	13.3	21.3
9 28	1 52.70	+25 9.0	2.033	2.928	10.6	21.1
10 8	1 45.39	+25 4.8	1.969	2.916	7.6	20.9
10 18	1 36.91	+24 42.6	1.931	2.904	5.1	20.8
10 28	1 28.20	+24 4.6	1.920	2.892	5.0	20.7
11 7	1 20.28	+23 15.9	1.938	2.881	7.4	20.9
11 17	1 14.00	+22 22.6	1.982	2.869	10.5	21.0
11 27	1 9.98	+21 31.8	2.049	2.858	13.4	21.2

184786 2005 TE_{53} 10 19.1 19°.45 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.22	+12 55.0	1.678	2.556	13.5	20.6
9 28	1 52.05	+12 33.9	1.619	2.561	9.7	20.4
10 8	1 44.99	+12 1.2	1.584	2.566	5.3	20.2
10 18	1 36.86	+11 20.5	1.575	2.571	0.8	19.9
10 28	1 28.73	+10 37.4	1.593	2.577	4.0	20.1
11 7	1 21.65	+ 9 58.1	1.638	2.583	8.3	20.4
11 17	1 16.44	+ 9 27.8	1.708	2.590	12.2	20.7
11 27	1 13.63	+ 9 10.6	1.800	2.597	15.4	20.9

432791 2011 FC_{131} 10 19.1 119°.02 0°.0/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.73	+12 39.0	1.767	2.638	13.3	21.9
9 28	1 54.35	+11 57.5	1.713	2.652	9.4	21.7
10 8	1 46.14	+11 4.6	1.684	2.665	5.1	21.5
10 18	1 36.97	+10 4.6	1.682	2.678	0.5	21.2
10 28	1 27.90	+ 9 4.2	1.708	2.690	4.1	21.5
11 7	1 19.97	+ 8 10.0	1.763	2.702	8.3	21.8
11 17	1 13.94	+ 7 27.2	1.843	2.714	12.0	22.0
11 27	1 10.31	+ 6 59.5	1.946	2.725	15.1	22.3

223307 2003 OH_{12} 10 19.1 359°.30 7°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.26	+32 21.4	1.718	2.519	16.8	18.5
9 28	1 50.24	+32 15.3	1.644	2.517	13.9	18.3
10 8	1 44.13	+31 40.4	1.590	2.515	10.8	18.1
10 18	1 36.78	+30 36.4	1.558	2.514	8.2	17.9
10 28	1 29.35	+29 7.1	1.552	2.514	7.2	17.9
11 7	1 23.01	+27 20.8	1.572	2.515	8.8	18.0
11 17	1 18.67	+25 28.3	1.617	2.517	11.7	18.2
11 27	1 16.91	+23 40.3	1.686	2.520	14.7	18.4

514815 2007 TA_{436} 10 19.1 346°.17 3°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.02	− 0 9.5	1.518	2.408	14.0	20.4
9 28	1 57.05	− 0 7.8	1.457	2.404	10.0	20.2
10 8	1 47.78	− 0 3.5	1.419	2.400	6.0	19.9
10 18	1 37.15	+ 0 7.8	1.408	2.396	4.0	19.8
10 28	1 26.46	+ 0 30.0	1.424	2.393	6.8	20.0
11 7	1 17.01	+ 1 5.6	1.466	2.391	11.0	20.2
11 17	1 9.77	+ 1 54.9	1.533	2.389	14.9	20.4
11 27	1 5.38	+ 2 57.4	1.619	2.387	18.1	20.7

232179 2002 EQ_{65} 10 19.1 105°.81 1°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.39	+ 8 52.6	1.793	2.676	12.6	20.5
9 28	1 52.64	+ 7 43.5	1.743	2.689	8.8	20.3
10 8	1 45.21	+ 6 26.1	1.719	2.703	4.6	20.0
10 18	1 36.89	+ 5 6.9	1.721	2.716	1.7	19.9
10 28	1 28.69	+ 3 53.1	1.753	2.728	5.0	20.1
11 7	1 21.55	+ 2 51.6	1.812	2.741	8.9	20.4
11 17	1 16.20	+ 2 6.7	1.897	2.753	12.4	20.6
11 27	1 13.09	+ 1 40.8	2.003	2.765	15.3	20.9

296323 2009 ES_{14} 10 19.1 158°.93 1°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.32	+ 7 26.6	2.035	2.915	11.4	21.2
9 28	1 52.54	+ 6 43.6	1.973	2.918	8.0	21.0
10 8	1 45.16	+ 5 54.6	1.937	2.921	4.3	20.7
10 18	1 36.89	+ 5 4.0	1.929	2.924	1.6	20.6
10 28	1 28.63	+ 4 17.4	1.951	2.926	4.5	20.8
11 7	1 21.26	+ 3 39.8	2.000	2.928	8.2	21.0
11 17	1 15.47	+ 3 14.9	2.075	2.930	11.5	21.2
11 27	1 11.76	+ 3 4.8	2.172	2.932	14.3	21.4

43374 2000 WT_{33} 10 19.1 320°.92 4°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.73	+ 2 47.7	1.240	2.146	15.3	18.5
9 28	1 53.64	+ 1 33.9	1.183	2.139	10.9	18.2
10 8	1 46.06	+ 0 15.1	1.149	2.132	6.5	17.9
10 18	1 36.99	− 0 59.0	1.139	2.126	5.0	17.8
10 28	1 27.84	− 1 58.1	1.154	2.120	8.5	18.0
11 7	1 20.02	− 2 34.3	1.192	2.115	13.1	18.3
11 17	1 14.60	− 2 44.0	1.252	2.110	17.4	18.5
11 27	1 12.20	− 2 27.2	1.329	2.105	21.0	18.8

81070 2000 ET_{78} 10 19.1 156°.63 1°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.44	+ 7 51.0	1.895	2.771	12.3	20.2
9 28	1 54.80	+ 7 8.8	1.836	2.779	8.6	20.0
10 8	1 46.39	+ 6 19.7	1.802	2.785	4.6	19.8
10 18	1 37.02	+ 5 28.7	1.797	2.791	1.5	19.6
10 28	1 27.69	+ 4 41.6	1.821	2.797	4.7	19.8
11 7	1 19.39	+ 4 3.7	1.873	2.802	8.7	20.1
11 17	1 12.88	+ 3 39.0	1.951	2.806	12.2	20.3
11 27	1 8.67	+ 3 29.7	2.050	2.809	15.1	20.5

266600 2008 JA_{26} 10 19.1 152°.47 0°.3/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.42	+11 42.6	1.849	2.719	12.9	22.2
9 28	1 54.84	+11 3.5	1.788	2.727	9.1	22.0
10 8	1 46.43	+10 13.9	1.753	2.734	4.9	21.7
10 18	1 37.03	+ 9 18.2	1.745	2.741	0.5	21.4
10 28	1 27.66	+ 8 22.3	1.767	2.748	4.1	21.7
11 7	1 19.36	+ 7 32.5	1.816	2.753	8.3	22.0
11 17	1 12.91	+ 6 53.8	1.892	2.758	12.0	22.2
11 27	1 8.81	+ 6 29.8	1.990	2.762	15.0	22.4

227307 2005 TN_{11} 10 19.1 171°.74 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.56	+ 9 30.5	1.892	2.765	12.5	21.1
9 28	1 54.95	+ 8 58.6	1.828	2.769	8.8	20.9
10 8	1 46.51	+ 8 18.6	1.789	2.771	4.7	20.7
10 18	1 37.04	+ 7 34.5	1.778	2.773	0.9	20.4
10 28	1 27.57	+ 6 51.8	1.796	2.775	4.3	20.7
11 7	1 19.09	+ 6 15.9	1.842	2.776	8.4	20.9
11 17	1 12.42	+ 5 51.1	1.914	2.776	12.1	21.2
11 27	1 8.08	+ 5 40.2	2.008	2.776	15.1	21.4

185557 2008 AF_{16} 10 19.1 101°.60 4°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.89	+ 3 5.4	1.447	2.343	14.2	20.4
9 28	1 54.67	+ 1 49.1	1.405	2.356	10.0	20.1
10 8	1 46.38	+ 0 29.8	1.387	2.369	5.8	19.9
10 18	1 37.02	− 0 43.9	1.395	2.382	4.3	19.9
10 28	1 27.85	− 1 43.4	1.430	2.394	7.4	20.1
11 7	1 20.02	− 2 22.5	1.490	2.406	11.5	20.4
11 17	1 14.38	− 2 38.7	1.574	2.418	15.1	20.6
11 27	1 11.40	− 2 32.2	1.676	2.430	18.1	20.9

2327 Gershberg 10 19.1 358°.96 1°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.40	+ 9 22.6	1.164	2.068	16.3	16.4
9 28	1 52.08	+ 8 23.9	1.110	2.066	11.4	16.1
10 8	1 45.24	+ 7 12.0	1.077	2.064	6.1	15.8
10 18	1 36.92	+ 5 55.0	1.068	2.063	1.9	15.5
10 28	1 28.58	+ 4 43.4	1.084	2.063	6.3	15.8
11 7	1 21.62	+ 3 47.0	1.123	2.064	11.6	16.1
11 17	1 17.10	+ 3 12.2	1.183	2.066	16.4	16.4
11 27	1 15.63	+ 3 1.9	1.262	2.069	20.2	16.7

450757 2007 JW_{41} 10 19.1 203°.45 0°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.79	+10 49.6	2.813	3.680	9.1	21.7
9 28	1 49.76	+ 9 44.4	2.737	3.676	6.4	21.5
10 8	1 43.58	+ 8 31.4	2.688	3.671	3.3	21.3
10 18	1 36.76	+ 7 14.5	2.670	3.665	0.7	21.1
10 28	1 29.90	+ 5 58.5	2.682	3.659	3.3	21.3
11 7	1 23.64	+ 4 48.5	2.725	3.653	6.3	21.5
11 17	1 18.49	+ 3 48.6	2.796	3.647	9.1	21.7
11 27	1 14.86	+ 3 1.5	2.891	3.640	11.4	21.8

208073 1999 VL_{98} 10 19.1 297°.63 1°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.39	+15 32.2	1.659	2.531	14.0	20.5
9 28	1 52.42	+14 58.5	1.579	2.516	10.3	20.3
10 8	1 45.35	+14 8.6	1.522	2.501	5.9	20.0
10 18	1 36.95	+13 6.0	1.491	2.486	1.5	19.6
10 28	1 28.34	+11 56.9	1.487	2.471	4.1	19.8
11 7	1 20.68	+10 49.3	1.510	2.456	8.8	20.0
11 17	1 14.92	+ 9 50.9	1.558	2.442	13.0	20.3
11 27	1 11.73	+ 9 7.7	1.627	2.428	16.7	20.5

17704 1997 UM_{5} 10 19.1 119°.70 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.10	+11 9.9	1.529	2.403	14.8	18.8
9 28	1 57.64	+10 46.2	1.479	2.419	10.5	18.5
10 8	1 48.00	+10 11.7	1.453	2.434	5.6	18.3
10 18	1 37.20	+ 9 30.8	1.453	2.449	0.5	18.0
10 28	1 26.56	+ 8 49.5	1.482	2.463	4.6	18.3
11 7	1 17.32	+ 8 14.5	1.538	2.477	9.3	18.6
11 17	1 10.38	+ 7 50.7	1.618	2.490	13.4	18.9
11 27	1 6.25	+ 7 41.5	1.720	2.502	16.7	19.2

473631 2015 XC_{309} 10 19.1 280°.03 5°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.27	− 4 52.3	2.219	3.104	10.4	20.7
9 28	1 52.42	− 5 30.0	2.159	3.099	7.7	20.5
10 8	1 45.09	− 6 3.4	2.125	3.094	5.5	20.3
10 18	1 36.92	− 6 27.6	2.119	3.089	5.1	20.3
10 28	1 28.73	− 6 38.3	2.141	3.083	7.0	20.4
11 7	1 21.34	− 6 33.0	2.190	3.078	9.7	20.6
11 17	1 15.41	− 6 11.0	2.263	3.073	12.3	20.7
11 27	1 11.42	− 5 32.9	2.357	3.068	14.6	20.9

296050 2009 AT_{26} 10 19.1 35°.72 2°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.72	+ 5 41.8	1.525	2.419	13.7	20.4
9 28	1 53.17	+ 5 0.3	1.475	2.426	9.6	20.2
10 8	1 45.62	+ 4 13.4	1.448	2.433	5.2	20.0
10 18	1 36.97	+ 3 27.2	1.447	2.440	2.6	19.8
10 28	1 28.38	+ 2 48.5	1.473	2.447	5.8	20.0
11 7	1 20.99	+ 2 22.9	1.525	2.455	10.1	20.3
11 17	1 15.63	+ 2 13.8	1.600	2.464	13.9	20.6
11 27	1 12.81	+ 2 22.5	1.695	2.472	17.1	20.8

74855 1999 TR_{87} 10 19.1 55°.29 4°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.49	+ 1 57.0	1.234	2.134	15.8	19.0
9 28	1 56.76	+ 1 25.5	1.195	2.147	11.2	18.7
10 8	1 47.59	+ 0 53.4	1.178	2.161	6.5	18.5
10 18	1 37.17	+ 0 27.6	1.185	2.175	4.2	18.4
10 28	1 26.98	+ 0 14.7	1.218	2.189	7.5	18.7
11 7	1 18.42	+ 0 19.0	1.276	2.203	12.0	19.0
11 17	1 12.42	+ 0 41.8	1.356	2.218	16.0	19.3
11 27	1 9.48	+ 1 22.4	1.455	2.233	19.4	19.5

451166 2009 SJ_{163} 10 19.1 87°.77 0°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.13	+12 4.4	2.288	3.150	11.0	21.3
9 28	1 53.58	+11 54.3	2.239	3.172	7.8	21.1
10 8	1 45.64	+11 36.4	2.216	3.195	4.3	20.9
10 18	1 36.98	+11 13.3	2.221	3.217	0.6	20.7
10 28	1 28.44	+10 48.4	2.257	3.239	3.2	20.9
11 7	1 20.81	+10 25.7	2.322	3.261	6.6	21.2
11 17	1 14.70	+10 8.6	2.414	3.282	9.6	21.4
11 27	1 10.53	+ 9 59.9	2.530	3.303	12.2	21.6

394160 2006 QD_{43} 10 19.1 13°.18 1°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.61	+12 15.4	1.326	2.211	16.0	19.4
9 28	1 55.60	+12 48.0	1.272	2.215	11.6	19.2
10 8	1 47.10	+13 9.8	1.240	2.221	6.6	18.9
10 18	1 37.14	+13 21.8	1.233	2.228	1.8	18.6
10 28	1 27.15	+13 27.5	1.252	2.236	4.6	18.8
11 7	1 18.55	+13 31.5	1.296	2.246	9.5	19.1
11 17	1 12.38	+13 38.8	1.364	2.256	13.9	19.4
11 27	1 9.28	+13 53.7	1.451	2.267	17.6	19.7

3129 Bonestell 10 19.1 177°.70 3°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.31	+ 2 10.4	2.392	3.273	9.9	17.6
9 28	1 52.34	+ 1 17.4	2.331	3.275	7.0	17.4
10 8	1 45.01	+ 0 22.8	2.297	3.276	4.1	17.3
10 18	1 36.93	− 0 28.8	2.292	3.277	3.1	17.2
10 28	1 28.85	− 1 12.3	2.316	3.277	5.2	17.3
11 7	1 21.53	− 1 43.8	2.370	3.277	8.2	17.5
11 17	1 15.58	− 2 1.1	2.449	3.276	11.0	17.7
11 27	1 11.43	− 2 3.0	2.550	3.275	13.3	17.9

136666 Seidel 10 19.1 338°.86 2°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.62	+ 6 13.1	1.015	1.930	17.1	19.1
9 28	1 52.72	+ 5 46.3	0.953	1.913	12.2	18.7
10 8	1 45.85	+ 5 10.8	0.910	1.897	6.7	18.4
10 18	1 37.04	+ 4 33.6	0.889	1.883	2.7	18.1
10 28	1 27.92	+ 4 3.8	0.890	1.871	7.3	18.3
11 7	1 20.21	+ 3 49.8	0.914	1.860	13.1	18.6
11 17	1 15.24	+ 3 56.5	0.957	1.850	18.4	18.9
11 27	1 13.81	+ 4 26.0	1.017	1.843	22.8	19.1

127275 2002 JB_{63} 10 19.1 172°.17 2°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.86	+ 4 5.8	2.287	3.166	10.4	20.1
9 28	1 52.77	+ 3 9.7	2.226	3.170	7.3	19.9
10 8	1 45.26	+ 2 10.4	2.192	3.173	4.1	19.7
10 18	1 36.96	+ 1 12.8	2.187	3.176	2.7	19.6
10 28	1 28.68	+ 0 22.1	2.212	3.177	5.0	19.8
11 7	1 21.20	− 0 17.1	2.265	3.179	8.2	20.0
11 17	1 15.17	− 0 41.9	2.345	3.179	11.2	20.2
11 27	1 11.03	− 0 51.1	2.447	3.179	13.6	20.3

381393 2008 GQ_{54} 10 19.1 144°.07 1°.1/18.2 16

9 18	2 2.07	+ 9 7.3	1.741	2.618	13.2	21.9
9 28	1 55.38	+ 8 28.9	1.684	2.627	9.3	21.6
10 8	1 46.77	+ 7 42.1	1.652	2.635	4.9	21.4
10 18	1 37.12	+ 6 51.8	1.648	2.643	1.1	21.2
10 28	1 27.53	+ 6 4.2	1.672	2.650	4.7	21.4
11 7	1 19.08	+ 5 25.2	1.724	2.657	8.9	21.7
11 17	1 12.57	+ 4 59.2	1.801	2.663	12.7	22.0
11 27	1 8.53	+ 4 48.8	1.900	2.669	15.8	22.2

257181 2008 JO_{32} 10 19.1 26°.47 3°.3/16.5 18

9 18	1 59.14	+ 1 24.9	1.895	2.783	11.7	20.0
9 28	1 53.20	+ 1 0.1	1.840	2.787	8.3	19.8
10 8	1 45.57	+ 0 35.3	1.810	2.790	4.9	19.6
10 18	1 37.01	+ 0 14.8	1.807	2.794	3.4	19.5
10 28	1 28.48	+ 0 3.3	1.832	2.799	5.8	19.7
11 7	1 20.91	+ 0 4.0	1.884	2.803	9.3	19.9
11 17	1 15.05	+ 0 18.6	1.962	2.808	12.5	20.1
11 27	1 11.37	+ 0 47.5	2.060	2.813	15.2	20.4

311695 2006 SL_{130} 10 19.1 340°.30 2°.2/17.5 18

9 18	1 55.41	+ 6 51.2	1.366	2.269	14.4	19.5
9 28	1 51.25	+ 6 14.1	1.299	2.254	10.2	19.2
10 8	1 44.81	+ 5 28.9	1.253	2.240	5.5	18.9
10 18	1 36.95	+ 4 41.5	1.232	2.227	2.3	18.6
10 28	1 28.89	+ 3 59.6	1.237	2.215	6.1	18.9
11 7	1 21.92	+ 3 30.3	1.266	2.204	10.9	19.1
11 17	1 17.06	+ 3 18.7	1.317	2.195	15.4	19.4
11 27	1 14.99	+ 3 27.0	1.387	2.187	19.1	19.6

319305 2006 BB_{124} 10 19.1 267°.86 4°.1/23.1 17

9 18	1 58.82	+23 47.2	2.319	3.140	12.3	20.5
9 28	1 53.02	+24 0.9	2.237	3.134	9.7	20.4
10 8	1 45.53	+23 59.0	2.179	3.128	6.8	20.2
10 18	1 37.02	+23 41.7	2.147	3.123	4.5	20.0
10 28	1 28.34	+23 11.1	2.144	3.117	4.5	20.0
11 7	1 20.42	+22 31.5	2.169	3.111	6.8	20.2
11 17	1 14.01	+21 48.4	2.222	3.105	9.7	20.3
11 27	1 9.68	+21 7.5	2.298	3.100	12.4	20.5

262932 2007 DB_{17} 10 19.1 302°.57 0°.4/18.8 18

9 18	1 57.51	+10 25.5	1.994	2.870	11.8	21.0
9 28	1 52.13	+10 0.7	1.922	2.864	8.4	20.8
10 8	1 45.05	+ 9 27.5	1.875	2.857	4.5	20.5
10 18	1 36.97	+ 8 49.4	1.855	2.851	0.5	20.2
10 28	1 28.80	+ 8 11.1	1.864	2.845	3.9	20.5
11 7	1 21.46	+ 7 37.8	1.901	2.840	7.9	20.7
11 17	1 15.71	+ 7 13.7	1.964	2.834	11.4	20.9
11 27	1 12.10	+ 7 2.1	2.049	2.828	14.4	21.1

367671 2010 BX_{64} 10 19.1 151°.69 8°.3/ 8.1 18

9 18	1 57.31	−21 49.8	2.814	3.656	9.8	20.4
9 28	1 51.49	−22 55.6	2.786	3.662	8.7	20.3
10 8	1 44.49	−23 47.3	2.783	3.668	8.3	20.3
10 18	1 36.91	−24 20.3	2.805	3.674	8.7	20.4
10 28	1 29.41	−24 31.3	2.853	3.680	9.8	20.4
11 7	1 22.66	−24 19.9	2.924	3.685	11.1	20.6
11 17	1 17.17	−23 47.3	3.016	3.689	12.5	20.7
11 27	1 13.31	−22 56.2	3.125	3.694	13.6	20.8

397304 2006 SM_{234} 10 19.1 137°.65 1°.2/20.2 18

9 18	1 57.84	+15 48.8	1.936	2.798	12.7	21.7
9 28	1 52.38	+15 19.0	1.868	2.800	9.3	21.5
10 8	1 45.18	+14 35.7	1.824	2.801	5.3	21.3
10 18	1 36.99	+13 42.1	1.808	2.802	1.5	21.0
10 28	1 28.76	+12 43.6	1.820	2.803	3.5	21.2
11 7	1 21.46	+11 46.4	1.860	2.804	7.5	21.4
11 17	1 15.84	+10 56.5	1.926	2.806	11.1	21.7
11 27	1 12.44	+10 18.6	2.015	2.807	14.2	21.9

193716 2001 FF_{100} 10 19.1 173°.81 7°.5/30.3 17

9 18	2 2.25	+42 48.6	3.259	3.927	12.0	21.5
9 28	1 55.29	+43 20.4	3.173	3.930	10.7	21.4
10 8	1 46.72	+43 32.7	3.108	3.932	9.3	21.3
10 18	1 37.16	+43 23.3	3.067	3.934	8.1	21.2
10 28	1 27.47	+42 52.2	3.052	3.936	7.5	21.1
11 7	1 18.51	+42 2.4	3.063	3.937	7.7	21.2
11 17	1 11.01	+40 58.4	3.101	3.937	8.7	21.2
11 27	1 5.52	+39 46.6	3.164	3.937	10.0	21.3

408966 2002 OR_{26} 10 19.1 88°.17 2°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 54.56	+ 7 12.1	2.319	3.201	10.2	21.0
9 28	1 49.72	+ 5 55.4	2.266	3.212	7.0	20.8
10 8	1 43.61	+ 4 33.3	2.241	3.224	3.8	20.6
10 18	1 36.83	+ 3 11.2	2.244	3.236	2.0	20.5
10 28	1 30.12	+ 1 55.1	2.277	3.247	4.5	20.7
11 7	1 24.18	+ 0 50.4	2.339	3.259	7.7	21.0
11 17	1 19.56	+ 0 0.6	2.427	3.270	10.5	21.2
11 27	1 16.66	− 0 32.3	2.537	3.281	12.9	21.4

489683 2007 VG_{74} 10 19.1 253°.91 0°.8/18.5 18

9 18	1 58.89	+ 9 42.4	1.842	2.721	12.5	21.7
9 28	1 53.19	+ 9 11.9	1.774	2.717	8.8	21.5
10 8	1 45.66	+ 8 32.9	1.731	2.714	4.7	21.3
10 18	1 37.06	+ 7 49.4	1.715	2.711	0.8	21.0
10 28	1 28.38	+ 7 6.9	1.727	2.708	4.3	21.2
11 7	1 20.65	+ 6 31.1	1.767	2.704	8.5	21.5
11 17	1 14.67	+ 6 6.4	1.833	2.701	12.2	21.7
11 27	1 10.98	+ 5 55.9	1.920	2.697	15.3	21.9

514160 2015 LH_{16} 10 19.1 68°.85 4°.8/23.9 18

9 18	1 58.97	+26 34.7	1.638	2.466	16.3	20.5
9 28	1 53.38	+26 1.1	1.582	2.483	12.7	20.3
10 8	1 45.75	+25 1.9	1.548	2.500	8.9	20.1
10 18	1 37.06	+23 39.6	1.539	2.517	5.5	20.0
10 28	1 28.51	+22 1.0	1.557	2.534	5.2	20.0
11 7	1 21.25	+20 16.0	1.602	2.551	8.1	20.2
11 17	1 16.11	+18 34.8	1.674	2.568	11.6	20.5
11 27	1 13.56	+17 6.0	1.768	2.586	14.8	20.7

430872 2005 QD_{22} 10 19.1 4°.11 5°.9/14.3 18

9 18	1 54.89	+ 2 3.4	1.174	2.089	15.3	20.1
9 28	1 50.93	+ 0 9.3	1.129	2.088	10.9	19.8
10 8	1 44.61	− 1 49.3	1.106	2.088	6.9	19.6
10 18	1 36.96	− 3 39.4	1.106	2.089	6.3	19.6
10 28	1 29.35	− 5 8.2	1.132	2.090	9.7	19.8
11 7	1 23.10	− 6 6.9	1.180	2.093	14.1	20.1
11 17	1 19.14	− 6 32.4	1.248	2.096	18.1	20.3
11 27	1 18.03	− 6 26.0	1.333	2.101	21.3	20.6

32519 2001 OB_{73} 10 19.1 9°.64 1°.0/19.7 18

9 18	1 58.35	+13 8.3	1.090	1.988	17.7	18.0
9 28	1 53.65	+13 5.2	1.040	1.989	12.8	17.7
10 8	1 46.20	+12 46.3	1.009	1.992	7.2	17.4
10 18	1 37.13	+12 15.4	1.001	1.997	1.5	17.1
10 28	1 28.04	+11 39.5	1.017	2.002	5.1	17.4
11 7	1 20.50	+11 7.2	1.056	2.009	10.7	17.7
11 17	1 15.63	+10 45.6	1.117	2.017	15.6	18.0
11 27	1 14.07	+10 39.7	1.196	2.026	19.7	18.3

34625 2000 UT_{68} 10 19.1 185°.30 2°.5/21.8 18

9 18	1 56.90	+20 24.6	2.160	3.002	12.4	19.2
9 28	1 51.64	+19 58.3	2.086	3.002	9.3	19.0
10 8	1 44.77	+19 16.3	2.036	3.002	5.9	18.8
10 18	1 36.98	+18 20.6	2.014	3.002	2.9	18.6
10 28	1 29.15	+17 15.9	2.020	3.002	3.5	18.7
11 7	1 22.15	+16 8.3	2.055	3.001	6.8	18.9
11 17	1 16.68	+15 4.0	2.117	3.001	10.1	19.1
11 27	1 13.27	+14 8.6	2.202	3.000	13.0	19.3

484886 2009 QK_{41} 10 19.1 19°.14 5°.7/13.5 17

9 18	1 54.61	− 2 35.7	1.747	2.647	11.9	20.9
9 28	1 50.10	− 4 1.8	1.703	2.652	8.7	20.8
10 8	1 43.95	− 5 25.2	1.684	2.657	6.2	20.6
10 18	1 36.90	− 6 38.0	1.692	2.663	6.0	20.6
10 28	1 29.91	− 7 33.0	1.726	2.669	8.3	20.8
11 7	1 23.90	− 8 5.6	1.785	2.676	11.4	21.0
11 17	1 19.55	− 8 14.3	1.866	2.683	14.3	21.2
11 27	1 17.33	− 8 0.2	1.966	2.691	16.7	21.4

515346 2013 BV_{39} 10 19.1 335°.94 4°.2/15.5 18

9 18	1 57.03	+ 1 47.7	1.660	2.557	12.6	21.3
9 28	1 51.97	+ 0 43.0	1.602	2.553	9.0	21.1
10 8	1 45.04	− 0 23.9	1.568	2.549	5.4	20.9
10 18	1 37.02	− 1 26.1	1.561	2.546	4.3	20.8
10 28	1 28.98	− 2 15.9	1.580	2.542	7.1	20.9
11 7	1 21.95	− 2 47.9	1.626	2.540	10.8	21.2
11 17	1 16.74	− 2 59.1	1.694	2.537	14.3	21.4
11 27	1 13.89	− 2 49.2	1.782	2.535	17.3	21.6

122129 2000 JX_{21} 10 19.1 94°.05 0°.9/19.8 18

9 18	2 1.97	+14 26.3	1.601	2.470	14.6	19.6
9 28	1 55.42	+14 0.8	1.551	2.487	10.5	19.4
10 8	1 46.85	+13 21.6	1.524	2.503	5.9	19.2
10 18	1 37.21	+12 32.6	1.523	2.518	1.3	18.9
10 28	1 27.70	+11 40.0	1.550	2.534	4.1	19.1
11 7	1 19.47	+10 50.9	1.605	2.549	8.5	19.4
11 17	1 13.36	+10 11.3	1.685	2.564	12.5	19.7
11 27	1 9.86	+ 9 45.4	1.786	2.579	15.7	20.0

375150 2008 CD_{11} 10 19.1 232°.72 3°.8/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.17	+ 3 0.9	1.586	2.477	13.4	21.3
9 28	1 55.05	+ 2 1.2	1.521	2.469	9.5	21.1
10 8	1 46.78	+ 0 57.3	1.480	2.461	5.6	20.9
10 18	1 37.22	− 0 3.6	1.465	2.453	3.9	20.7
10 28	1 27.55	− 0 53.8	1.478	2.444	7.0	20.9
11 7	1 18.97	− 1 26.8	1.517	2.434	11.2	21.1
11 17	1 12.42	− 1 39.3	1.579	2.425	15.0	21.4
11 27	1 8.53	− 1 30.3	1.661	2.414	18.3	21.6

279611 2011 EQ_{25} 10 19.1 249°.92 1°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.01	+ 7 55.3	1.678	2.559	13.4	21.2
9 28	1 55.66	+ 7 29.1	1.603	2.548	9.5	21.0
10 8	1 47.13	+ 6 55.2	1.552	2.536	5.1	20.7
10 18	1 37.26	+ 6 17.9	1.528	2.523	1.4	20.4
10 28	1 27.18	+ 5 43.0	1.532	2.511	5.1	20.6
11 7	1 18.11	+ 5 16.5	1.564	2.498	9.6	20.9
11 17	1 11.01	+ 5 2.7	1.620	2.484	13.7	21.1
11 27	1 6.54	+ 5 4.5	1.696	2.471	17.2	21.3

335735 2007 DS_{86} 10 19.1 120°.12 3°.4/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.71	+20 12.1	1.663	2.511	15.2	20.7
9 28	1 56.11	+20 14.6	1.601	2.519	11.5	20.5
10 8	1 47.32	+19 59.0	1.561	2.526	7.4	20.3
10 18	1 37.27	+19 26.4	1.546	2.534	3.9	20.1
10 28	1 27.19	+18 41.1	1.560	2.541	4.5	20.2
11 7	1 18.32	+17 50.2	1.600	2.547	8.3	20.4
11 17	1 11.60	+17 1.0	1.666	2.554	12.1	20.7
11 27	1 7.60	+16 20.3	1.755	2.560	15.5	20.9

250023 2002 CV_{7} 10 19.1 228°.77 0°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.58	+14 5.5	1.640	2.508	14.3	21.1
9 28	1 56.15	+13 36.5	1.562	2.498	10.4	20.8
10 8	1 47.43	+12 52.9	1.508	2.488	5.9	20.5
10 18	1 37.29	+11 58.1	1.481	2.476	1.1	20.2
10 28	1 26.94	+10 58.1	1.481	2.464	4.3	20.4
11 7	1 17.65	+10 0.9	1.509	2.452	9.1	20.7
11 17	1 10.43	+ 9 13.2	1.563	2.439	13.5	20.9
11 27	1 5.96	+ 8 40.7	1.637	2.425	17.1	21.1

149659 2004 FR_{92} 10 19.1 202°.86 0°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.98	+12 8.1	1.790	2.661	13.2	21.2
9 28	1 54.75	+11 30.9	1.719	2.658	9.4	20.9
10 8	1 46.56	+10 41.9	1.673	2.654	5.1	20.7
10 18	1 37.20	+ 9 45.4	1.654	2.650	0.5	20.3
10 28	1 27.76	+ 8 47.5	1.664	2.645	4.2	20.6
11 7	1 19.32	+ 7 54.9	1.701	2.640	8.6	20.9
11 17	1 12.74	+ 7 13.4	1.765	2.634	12.5	21.1
11 27	1 8.63	+ 6 46.9	1.850	2.628	15.8	21.3

398324 2011 OX_{45} 10 19.1 113°.24 6°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.55	− 5 44.1	1.722	2.614	12.5	20.3
9 28	1 53.61	− 6 54.1	1.677	2.618	9.4	20.1
10 8	1 45.85	− 7 58.0	1.656	2.622	7.1	20.0
10 18	1 37.12	− 8 48.3	1.662	2.626	6.9	20.0
10 28	1 28.47	− 9 18.7	1.694	2.630	9.1	20.2
11 7	1 20.91	− 9 25.9	1.752	2.634	12.1	20.3
11 17	1 15.22	− 9 9.5	1.831	2.638	15.0	20.6
11 27	1 11.87	− 8 31.7	1.930	2.641	17.4	20.8

520329 2014 GQ_{60} 10 19.1 73°.62 1°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.06	+ 8 47.8	1.773	2.655	12.7	20.9
9 28	1 53.28	+ 8 14.4	1.716	2.661	8.9	20.7
10 8	1 45.70	+ 7 33.4	1.684	2.668	4.7	20.5
10 18	1 37.12	+ 6 49.4	1.679	2.674	1.1	20.2
10 28	1 28.57	+ 6 8.0	1.702	2.681	4.5	20.5
11 7	1 21.05	+ 5 34.9	1.753	2.688	8.7	20.8
11 17	1 15.35	+ 5 14.0	1.828	2.695	12.3	21.0
11 27	1 11.97	+ 5 7.8	1.925	2.701	15.3	21.2

304171 2006 PF_{39} 10 19.1 62°.03 7°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.71	− 7 24.5	1.692	2.583	12.8	20.2
9 28	1 53.68	− 8 26.3	1.654	2.593	9.7	20.0
10 8	1 45.86	− 9 19.7	1.640	2.602	7.5	19.9
10 18	1 37.13	− 9 57.7	1.652	2.612	7.4	19.9
10 28	1 28.54	−10 14.5	1.690	2.622	9.4	20.1
11 7	1 21.11	−10 7.8	1.753	2.632	12.2	20.3
11 17	1 15.57	− 9 38.2	1.838	2.642	15.0	20.5
11 27	1 12.38	− 8 48.3	1.941	2.652	17.3	20.7

208401 2001 SV_{210} 10 19.1 97°.93 0°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.61	+10 28.3	2.002	2.873	12.0	20.2
9 28	1 54.17	+10 11.3	1.949	2.888	8.5	20.0
10 8	1 46.10	+ 9 46.6	1.921	2.902	4.5	19.8
10 18	1 37.16	+ 9 17.5	1.920	2.916	0.5	19.5
10 28	1 28.30	+ 8 48.3	1.949	2.930	3.7	19.8
11 7	1 20.44	+ 8 23.5	2.007	2.944	7.6	20.1
11 17	1 14.27	+ 8 6.8	2.090	2.958	10.9	20.3
11 27	1 10.26	+ 8 1.0	2.196	2.971	13.7	20.6

98999 2001 DE_{48} 10 19.1 249°.54 0°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.47	+ 9 1.8	2.017	2.891	11.8	20.1
9 28	1 54.32	+ 8 35.0	1.935	2.875	8.4	19.9
10 8	1 46.34	+ 8 0.5	1.877	2.859	4.5	19.6
10 18	1 37.20	+ 7 21.9	1.847	2.843	0.9	19.3
10 28	1 27.87	+ 6 44.0	1.847	2.826	4.2	19.6
11 7	1 19.32	+ 6 12.0	1.875	2.808	8.3	19.8
11 17	1 12.41	+ 5 50.2	1.929	2.791	12.0	20.0
11 27	1 7.73	+ 5 41.8	2.005	2.772	15.1	20.2

312678 2010 MP_{71} 10 19.1 308°.29 0°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.44	+12 12.8	1.853	2.727	12.7	20.8
9 28	1 53.00	+12 0.1	1.776	2.715	9.1	20.5
10 8	1 45.66	+11 37.3	1.723	2.704	5.1	20.3
10 18	1 37.14	+11 7.1	1.697	2.693	0.7	19.9
10 28	1 28.45	+10 34.0	1.699	2.682	3.9	20.2
11 7	1 20.62	+10 3.5	1.729	2.672	8.1	20.4
11 17	1 14.52	+ 9 40.4	1.784	2.661	12.0	20.6
11 27	1 10.76	+ 9 28.8	1.861	2.651	15.3	20.8

66691 1999 TE_{67} 10 19.1 134°.71 0°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.29	+14 28.9	1.738	2.601	13.9	20.8
9 28	1 56.30	+14 2.0	1.681	2.614	10.0	20.6
10 8	1 47.33	+13 21.9	1.648	2.626	5.6	20.3
10 18	1 37.30	+12 32.2	1.643	2.638	1.2	20.1
10 28	1 27.35	+11 38.7	1.666	2.649	3.9	20.3
11 7	1 18.60	+10 48.1	1.717	2.659	8.3	20.6
11 17	1 11.87	+10 6.4	1.795	2.669	12.1	20.8
11 27	1 7.69	+ 9 37.7	1.894	2.678	15.3	21.1

80635 2000 AL_{211} 10 19.1 217°.47 1°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.54	+15 52.8	1.743	2.604	13.9	20.3
9 28	1 55.29	+15 32.4	1.668	2.599	10.2	20.0
10 8	1 46.93	+14 57.1	1.617	2.593	6.0	19.8
10 18	1 37.29	+14 9.7	1.592	2.587	1.8	19.5
10 28	1 27.50	+13 15.4	1.596	2.580	4.0	19.6
11 7	1 18.74	+12 21.1	1.628	2.573	8.4	19.9
11 17	1 11.93	+11 33.7	1.685	2.565	12.4	20.1
11 27	1 7.70	+10 58.6	1.764	2.557	15.9	20.3

312487 2008 UZ_{235} 10 19.1 322°.32 0°.9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 50.04	+16 21.5	4.270	5.114	6.7	20.5
9 28	1 46.22	+16 1.4	4.191	5.112	4.9	20.4
10 8	1 41.68	+15 35.0	4.139	5.110	2.9	20.2
10 18	1 36.73	+15 3.7	4.116	5.109	1.1	20.1
10 28	1 31.75	+14 29.6	4.124	5.107	1.8	20.1
11 7	1 27.13	+13 55.0	4.163	5.105	3.8	20.3
11 17	1 23.20	+13 22.3	4.230	5.104	5.7	20.4
11 27	1 20.25	+12 53.8	4.323	5.102	7.4	20.6

143010 2002 VB_{104} 10 19.1 27°.35 1°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.27	+13 44.6	1.740	2.610	13.6	19.6
9 28	1 54.30	+13 42.0	1.677	2.612	9.8	19.3
10 8	1 46.34	+13 28.0	1.636	2.615	5.6	19.1
10 18	1 37.23	+13 4.9	1.623	2.618	1.4	18.8
10 28	1 28.07	+12 37.1	1.637	2.621	3.8	19.0
11 7	1 19.96	+12 9.8	1.679	2.624	8.1	19.3
11 17	1 13.74	+11 48.4	1.746	2.628	12.0	19.5
11 27	1 10.01	+11 37.0	1.835	2.631	15.2	19.8

485894 2012 FE_{52} 10 19.1 166°.00 2°.8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.70	+22 53.4	2.875	3.693	10.3	22.0
9 28	1 51.20	+22 36.4	2.798	3.697	7.9	21.8
10 8	1 44.47	+22 6.2	2.746	3.700	5.3	21.7
10 18	1 37.04	+21 24.1	2.723	3.704	3.2	21.5
10 28	1 29.58	+20 33.0	2.729	3.706	3.2	21.5
11 7	1 22.78	+19 37.1	2.766	3.709	5.4	21.7
11 17	1 17.17	+18 41.1	2.831	3.711	8.0	21.9
11 27	1 13.19	+17 49.6	2.921	3.713	10.3	22.0

446245 2013 HG_{33} 10 19.2 342°.50 3°.4/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.31	+21 39.4	1.874	2.718	13.9	20.8
9 28	1 52.21	+21 27.7	1.801	2.715	10.6	20.6
10 8	1 45.23	+20 57.8	1.750	2.713	7.0	20.4
10 18	1 37.12	+20 11.3	1.725	2.710	3.9	20.2
10 28	1 28.92	+19 12.3	1.727	2.708	4.2	20.2
11 7	1 21.65	+18 7.7	1.758	2.706	7.5	20.4
11 17	1 16.15	+17 4.6	1.814	2.705	11.1	20.6
11 27	1 13.00	+16 9.9	1.892	2.703	14.3	20.9

366079 2012 CB_{42} 10 19.2 90°.44 6°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.66	+31 42.5	2.445	3.214	13.2	20.9
9 28	1 54.94	+32 8.4	2.383	3.235	10.9	20.8
10 8	1 46.56	+32 14.6	2.344	3.254	8.6	20.7
10 18	1 37.26	+32 0.4	2.331	3.274	6.7	20.6
10 28	1 27.97	+31 27.4	2.345	3.294	6.1	20.6
11 7	1 19.60	+30 40.2	2.388	3.313	7.3	20.7
11 17	1 12.90	+29 44.9	2.457	3.332	9.3	20.9
11 27	1 8.36	+28 48.0	2.552	3.350	11.4	21.1

349849 2009 CF_{63} 10 19.2 207.°72 5.°5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.76	− 4 46.6	1.934	2.819	11.7	20.7
9 28	1 54.39	− 5 30.3	1.878	2.817	8.7	20.5
10 8	1 46.30	− 6 9.3	1.847	2.816	6.2	20.4
10 18	1 37.24	− 6 37.7	1.843	2.813	5.7	20.3
10 28	1 28.19	− 6 50.6	1.867	2.811	7.8	20.5
11 7	1 20.10	− 6 45.0	1.918	2.809	10.7	20.6
11 17	1 13.73	− 6 20.4	1.992	2.806	13.6	20.8
11 27	1 9.58	− 5 38.1	2.087	2.803	16.1	21.0

154609 2003 QF_{97} 10 19.2 160.°88 0.°5/19.7 18

9 18	1 56.95	+13 34.0	2.329	3.191	10.9	20.9
9 28	1 51.56	+13 9.9	2.259	3.193	7.8	20.7
10 8	1 44.73	+12 36.4	2.215	3.194	4.4	20.5
10 18	1 37.08	+11 56.1	2.199	3.195	0.8	20.3
10 28	1 29.39	+11 13.2	2.213	3.196	3.1	20.5
11 7	1 22.46	+10 32.4	2.256	3.197	6.6	20.7
11 17	1 16.91	+ 9 57.8	2.325	3.198	9.8	20.9
11 27	1 13.22	+ 9 33.0	2.418	3.198	12.5	21.1

451213 2009 WB_{110} 10 19.2 270.°92 10.°8/ 5.7 18

9 18	2 0.62	−28 34.3	2.503	3.316	11.8	20.5
9 28	1 54.11	−29 35.3	2.462	3.302	11.0	20.4
10 8	1 46.07	−30 16.8	2.443	3.287	10.8	20.4
10 18	1 37.22	−30 33.4	2.448	3.273	11.3	20.4
10 28	1 28.40	−30 21.6	2.476	3.259	12.4	20.5
11 7	1 20.46	−29 41.2	2.524	3.244	13.7	20.6
11 17	1 14.07	−28 34.8	2.592	3.229	15.0	20.6
11 27	1 9.68	−27 6.4	2.675	3.214	16.2	20.7

195050 2002 CH_{72} 10 19.2 329.°07 2.°4/20.6 18

9 18	1 57.73	+16 6.9	1.240	2.125	16.9	20.5
9 28	1 53.37	+16 10.2	1.164	2.105	12.6	20.2
10 8	1 46.25	+15 55.5	1.108	2.087	7.6	19.9
10 18	1 37.27	+15 24.1	1.076	2.069	2.9	19.5
10 28	1 27.86	+14 41.5	1.068	2.053	5.0	19.6
11 7	1 19.63	+13 56.0	1.083	2.037	10.4	19.9
11 17	1 13.85	+13 16.6	1.121	2.023	15.5	20.1
11 27	1 11.40	+12 50.8	1.178	2.010	19.9	20.4

255505 2006 BE_{27} 10 19.2 315.°81 2.°2/17.1 18

9 18	1 56.17	+ 5 45.7	1.929	2.818	11.6	20.2
9 28	1 51.28	+ 5 3.5	1.857	2.805	8.1	20.0
10 8	1 44.70	+ 4 15.8	1.809	2.793	4.4	19.7
10 18	1 37.09	+ 3 27.6	1.789	2.781	2.2	19.5
10 28	1 29.36	+ 2 44.7	1.796	2.770	5.1	19.7
11 7	1 22.43	+ 2 12.3	1.831	2.758	8.9	19.9
11 17	1 17.07	+ 1 54.1	1.890	2.747	12.4	20.1
11 27	1 13.84	+ 1 52.2	1.971	2.737	15.4	20.3

124741 2001 SL_{206} 10 19.2 351.°35 0.°1/19.2 18

9 18	1 59.00	+12 11.9	1.003	1.906	18.4	19.9
9 28	1 54.42	+11 50.5	0.947	1.900	13.2	19.5
10 8	1 46.81	+11 12.2	0.911	1.896	7.3	19.2
10 18	1 37.32	+10 22.1	0.897	1.893	0.8	18.8
10 28	1 27.68	+ 9 29.4	0.906	1.891	5.7	19.1
11 7	1 19.65	+ 8 44.4	0.938	1.890	11.9	19.5
11 17	1 14.50	+ 8 15.3	0.990	1.889	17.2	19.8
11 27	1 12.94	+ 8 7.1	1.059	1.890	21.7	20.1

113585 2002 TN_{46} 10 19.2 50.°09 1.°4/18.1 18

9 18	1 59.87	+ 7 31.2	1.708	2.592	13.0	19.2
9 28	1 53.93	+ 7 7.3	1.653	2.599	9.1	19.0
10 8	1 46.10	+ 6 37.1	1.621	2.605	4.9	18.7
10 18	1 37.23	+ 6 5.1	1.617	2.612	1.4	18.5
10 28	1 28.39	+ 5 36.6	1.640	2.619	4.8	18.8
11 7	1 20.64	+ 5 16.5	1.691	2.626	8.9	19.0
11 17	1 14.77	+ 5 8.4	1.766	2.633	12.7	19.3
11 27	1 11.30	+ 5 14.4	1.862	2.640	15.7	19.5

114832 2003 OT_{22} 10 19.2 18.°79 2.°1/20.2 18

9 18	2 1.77	+13 43.3	0.967	1.865	19.3	18.6
9 28	1 56.35	+14 9.1	0.922	1.871	14.1	18.3
10 8	1 47.80	+14 18.3	0.897	1.879	8.2	18.0
10 18	1 37.43	+14 12.7	0.893	1.887	2.5	17.7
10 28	1 27.09	+13 57.9	0.912	1.897	5.4	17.9
11 7	1 18.60	+13 41.8	0.953	1.909	11.2	18.3
11 17	1 13.18	+13 31.9	1.016	1.921	16.4	18.6
11 27	1 11.47	+13 34.1	1.096	1.935	20.6	19.0

160506 2007 JP_{22} 10 19.2 145.°09 5.°3/12.1 18

9 18	1 55.61	− 8 49.6	2.877	3.754	8.6	21.3
9 28	1 50.30	− 9 58.1	2.836	3.764	6.7	21.1
10 8	1 43.94	−11 0.6	2.823	3.773	5.4	21.1
10 18	1 37.02	−11 52.5	2.838	3.782	5.5	21.1
10 28	1 30.15	−12 30.0	2.881	3.791	6.9	21.2
11 7	1 23.93	−12 50.8	2.951	3.799	8.8	21.3
11 17	1 18.81	−12 54.3	3.046	3.806	10.7	21.5
11 27	1 15.18	−12 41.4	3.161	3.813	12.2	21.6

404568 2013 JD_{54} 10 19.2 66.°92 4.°2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 55.80	− 0 29.0	2.091	2.982	10.7	20.9
9 28	1 50.76	− 1 37.1	2.043	2.990	7.6	20.8
10 8	1 44.29	− 2 44.5	2.021	2.997	5.0	20.6
10 18	1 37.06	− 3 45.2	2.027	3.005	4.4	20.6
10 28	1 29.89	− 4 33.4	2.061	3.013	6.6	20.8
11 7	1 23.57	− 5 5.1	2.122	3.021	9.5	21.0
11 17	1 18.71	− 5 18.4	2.208	3.029	12.2	21.2
11 27	1 15.74	− 5 13.2	2.313	3.037	14.5	21.4

168446 1998 YM_{21} 10 19.2 46.°79 0.°9/19.9 18

9 18	1 58.36	+14 32.1	1.803	2.672	13.2	20.3
9 28	1 52.88	+14 6.8	1.740	2.675	9.5	20.1
10 8	1 45.57	+13 28.8	1.700	2.679	5.4	19.8
10 18	1 37.20	+12 41.3	1.687	2.682	1.2	19.6
10 28	1 28.82	+11 49.8	1.702	2.686	3.7	19.7
11 7	1 21.43	+11 0.7	1.745	2.689	7.9	20.0
11 17	1 15.83	+10 19.6	1.813	2.693	11.7	20.3
11 27	1 12.56	+ 9 51.1	1.903	2.697	14.9	20.5

35819 1999 JG_{50} 10 19.2 187.°70 2.°9/16.9 18

9 18	2 1.57	+ 5 43.4	1.488	2.379	14.2	19.1
9 28	1 55.40	+ 4 44.6	1.430	2.379	10.0	18.8
10 8	1 47.02	+ 3 38.8	1.395	2.378	5.5	18.5
10 18	1 37.36	+ 2 33.3	1.386	2.378	3.0	18.4
10 28	1 27.69	+ 1 36.3	1.404	2.377	6.4	18.6
11 7	1 19.23	+ 0 54.8	1.449	2.375	10.9	18.9
11 17	1 12.94	+ 0 33.0	1.517	2.373	15.0	19.1
11 27	1 9.39	+ 0 32.5	1.604	2.371	18.3	19.3

263476 2008 EZ_{75} 10 19.2 291.°66 1.°2/18.4 18

9 18	2 1.70	+ 8 46.1	1.373	2.263	15.2	20.7
9 28	1 55.85	+ 8 23.3	1.303	2.251	10.9	20.4
10 8	1 47.45	+ 7 50.7	1.255	2.239	5.9	20.1
10 18	1 37.42	+ 7 13.0	1.232	2.228	1.2	19.8
10 28	1 27.16	+ 6 37.1	1.235	2.216	5.5	20.0
11 7	1 18.07	+ 6 9.9	1.264	2.204	10.7	20.3
11 17	1 11.32	+ 5 56.9	1.316	2.193	15.4	20.5
11 27	1 7.63	+ 6 1.5	1.387	2.182	19.3	20.8

259518 2003 TV_{14} 10 19.2 347.°50 6.°6/15.9 18

9 18	1 57.39	− 1 10.2	0.886	1.810	17.9	18.8
9 28	1 53.50	− 1 41.5	0.834	1.796	13.1	18.4
10 8	1 46.42	− 2 9.4	0.801	1.784	8.4	18.2
10 18	1 37.32	− 2 24.2	0.788	1.774	6.7	18.0
10 28	1 28.01	− 2 16.8	0.796	1.766	10.3	18.2
11 7	1 20.33	− 1 42.4	0.824	1.760	15.5	18.5
11 17	1 15.66	− 0 41.1	0.870	1.756	20.4	18.7
11 27	1 14.73	+ 0 43.8	0.932	1.755	24.6	19.0

163358 2002 NN_{63} 10 19.2 95.°35 0.°9/18.4 18

9 18	2 0.11	+ 9 29.1	1.798	2.676	12.8	20.4
9 28	1 54.01	+ 8 57.3	1.745	2.687	9.0	20.2
10 8	1 46.12	+ 8 17.6	1.715	2.698	4.8	19.9
10 18	1 37.27	+ 7 34.2	1.713	2.709	0.9	19.7
10 28	1 28.49	+ 6 52.8	1.740	2.720	4.3	20.0
11 7	1 20.78	+ 6 18.7	1.794	2.731	8.4	20.2
11 17	1 14.89	+ 5 56.2	1.874	2.741	12.0	20.5
11 27	1 11.31	+ 5 47.8	1.975	2.751	15.0	20.7

424504 2008 DX_{75} 10 19.2 128.°01 0.°2/19.4 17

9 18	1 53.85	+12 4.4	3.145	4.006	8.4	21.7
9 28	1 49.09	+11 45.0	3.074	4.007	5.9	21.5
10 8	1 43.32	+11 19.4	3.029	4.009	3.3	21.3
10 18	1 36.98	+10 49.8	3.014	4.010	0.4	21.1
10 28	1 30.60	+10 19.0	3.029	4.011	2.5	21.3
11 7	1 24.75	+ 9 50.1	3.074	4.012	5.2	21.5
11 17	1 19.88	+ 9 25.8	3.147	4.013	7.7	21.7
11 27	1 16.36	+ 9 8.7	3.244	4.014	9.8	21.8

247742 2003 LJ_{6} 10 19.2 89.°47 7.°5/26.9 18

9 18	2 4.77	+33 49.4	1.867	2.639	16.7	20.5
9 28	1 57.44	+34 0.5	1.816	2.666	13.8	20.3
10 8	1 48.00	+33 44.4	1.784	2.694	10.8	20.2
10 18	1 37.46	+33 0.2	1.777	2.720	8.4	20.1
10 28	1 27.12	+31 51.5	1.797	2.747	7.5	20.1
11 7	1 18.17	+30 26.1	1.843	2.772	8.7	20.2
11 17	1 11.47	+28 53.6	1.916	2.797	11.1	20.4
11 27	1 7.51	+27 23.6	2.012	2.822	13.6	20.7

218149 2002 RA_{98} 10 19.2 0.°37 2.°6/20.4 18

9 18	1 55.27	+14 1.2	0.842	1.755	19.9	18.3
9 28	1 52.13	+14 34.6	0.793	1.749	14.7	18.0
10 8	1 45.72	+14 50.0	0.762	1.746	8.7	17.7
10 18	1 37.25	+14 48.8	0.750	1.745	3.1	17.4
10 28	1 28.60	+14 36.5	0.759	1.746	5.7	17.6
11 7	1 21.68	+14 21.6	0.789	1.750	11.8	17.9
11 17	1 17.88	+14 12.6	0.838	1.757	17.3	18.3
11 27	1 17.93	+14 16.1	0.903	1.766	21.9	18.6

517534 2014 SY_{98} 10 19.2 110°.71 1°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 54.85	+ 7 48.0	2.376	3.255	10.0	21.4
9 28	1 50.01	+ 6 47.4	2.315	3.260	7.0	21.2
10 8	1 43.88	+ 5 41.0	2.281	3.265	3.7	21.0
10 18	1 37.04	+ 4 33.4	2.276	3.269	1.6	20.9
10 28	1 30.23	+ 3 29.9	2.300	3.274	4.1	21.1
11 7	1 24.13	+ 2 35.5	2.353	3.278	7.3	21.3
11 17	1 19.32	+ 1 53.7	2.433	3.283	10.2	21.5
11 27	1 16.22	+ 1 26.9	2.535	3.287	12.7	21.7

428576 2008 DM_{24} 10 19.2 170°.13 1°.5/17.9 18

9 18	2 2.32	+ 8 6.3	1.717	2.596	13.2	21.7
9 28	1 55.71	+ 7 26.1	1.656	2.600	9.3	21.5
10 8	1 47.11	+ 6 38.2	1.619	2.602	5.0	21.2
10 18	1 37.39	+ 5 47.6	1.610	2.604	1.5	21.0
10 28	1 27.67	+ 5 0.6	1.629	2.606	5.0	21.3
11 7	1 19.05	+ 4 23.3	1.676	2.607	9.3	21.5
11 17	1 12.38	+ 4 0.0	1.748	2.608	13.1	21.8
11 27	1 8.23	+ 3 53.1	1.840	2.608	16.3	22.0

321067 2008 SJ_{56} 10 19.2 269°.06 0°.3/19.7 18

9 18	1 52.10	+12 19.9	4.397	5.251	6.3	20.8
9 28	1 47.67	+12 15.8	4.317	5.246	4.5	20.7
10 8	1 42.50	+12 7.5	4.265	5.242	2.5	20.5
10 18	1 36.91	+11 56.1	4.242	5.238	0.5	20.3
10 28	1 31.27	+11 43.3	4.251	5.233	1.8	20.5
11 7	1 25.98	+11 30.9	4.290	5.229	3.8	20.6
11 17	1 21.36	+11 20.7	4.359	5.225	5.7	20.7
11 27	1 17.71	+11 14.5	4.453	5.220	7.4	20.9

69453 1996 TG_{11} 10 19.2 42°.98 0°.8/19.8 18

9 18	1 57.99	+17 46.1	0.966	1.859	19.8	17.9
9 28	1 53.23	+16 13.3	0.938	1.885	14.1	17.6
10 8	1 45.85	+14 15.7	0.929	1.912	7.8	17.4
10 18	1 37.24	+12 4.9	0.944	1.939	1.4	17.1
10 28	1 29.10	+ 9 56.4	0.983	1.968	5.3	17.5
11 7	1 22.84	+ 8 4.9	1.045	1.997	11.0	17.9
11 17	1 19.34	+ 6 39.8	1.130	2.026	15.8	18.3
11 27	1 18.93	+ 5 44.8	1.233	2.056	19.7	18.6

480854 2001 AO_{2} 10 19.2 229°.91 5°.2/10.4 17

9 18	1 56.66	−14 21.7	3.853	4.709	7.1	24.9
9 28	1 50.94	−15 18.9	3.786	4.690	5.9	24.8
10 8	1 44.30	−16 9.7	3.747	4.671	5.2	24.7
10 18	1 37.10	−16 50.4	3.737	4.650	5.5	24.7
10 28	1 29.85	−17 18.1	3.756	4.629	6.5	24.8
11 7	1 23.01	−17 30.9	3.803	4.607	7.9	24.9
11 17	1 17.02	−17 28.4	3.874	4.585	9.4	25.0
11 27	1 12.22	−17 11.3	3.965	4.561	10.6	25.1

41960 2000 XR_{30} 10 19.2 311°.58 4°.3/22.9 18

9 18	1 58.82	+23 2.6	1.943	2.777	13.9	18.9
9 28	1 53.39	+23 16.7	1.860	2.765	10.9	18.6
10 8	1 45.98	+23 13.5	1.799	2.754	7.6	18.4
10 18	1 37.29	+22 52.5	1.763	2.743	4.8	18.2
10 28	1 28.37	+22 16.5	1.756	2.732	4.9	18.2
11 7	1 20.29	+21 30.7	1.775	2.721	7.7	18.4
11 17	1 13.96	+20 41.8	1.820	2.710	11.1	18.6
11 27	1 10.05	+19 56.7	1.889	2.700	14.3	18.7

115939 2003 WC_{29} 10 19.2 235°.76 1°.0/20.4 17

9 18	1 55.96	+15 46.8	2.584	3.437	10.2	20.1
9 28	1 50.83	+15 19.7	2.503	3.430	7.5	19.9
10 8	1 44.37	+14 42.0	2.448	3.422	4.3	19.7
10 18	1 37.12	+13 56.3	2.420	3.415	1.3	19.5
10 28	1 29.78	+13 6.2	2.423	3.407	2.8	19.6
11 7	1 23.08	+12 16.2	2.456	3.398	6.1	19.8
11 17	1 17.61	+11 30.9	2.516	3.390	9.1	20.0
11 27	1 13.85	+10 54.1	2.600	3.382	11.7	20.1

216061 2006 QU_{6} 10 19.2 106°.57 3°.4/22.3 18

9 18	2 1.74	+21 20.4	2.043	2.877	13.3	20.4
9 28	1 55.11	+21 22.6	1.984	2.892	10.1	20.2
10 8	1 46.72	+21 8.6	1.948	2.908	6.7	20.1
10 18	1 37.37	+20 39.8	1.939	2.923	3.8	19.9
10 28	1 28.06	+19 59.7	1.959	2.937	4.1	20.0
11 7	1 19.77	+19 13.7	2.007	2.952	7.1	20.2
11 17	1 13.26	+18 28.0	2.083	2.966	10.3	20.4
11 27	1 9.03	+17 48.2	2.182	2.979	13.1	20.6

218946 2008 DD_{30} 10 19.2 94°.51 1°.9/17.8 18

9 18	2 2.63	+ 8 5.0	1.527	2.411	14.3	20.4
9 28	1 55.88	+ 7 12.8	1.486	2.432	10.0	20.2
10 8	1 47.13	+ 6 13.0	1.469	2.453	5.3	20.0
10 18	1 37.41	+ 5 12.0	1.479	2.473	1.9	19.8
10 28	1 27.91	+ 4 17.3	1.517	2.493	5.4	20.1
11 7	1 19.79	+ 3 35.2	1.581	2.513	9.7	20.4
11 17	1 13.81	+ 3 9.7	1.670	2.532	13.5	20.7
11 27	1 10.46	+ 3 2.4	1.779	2.550	16.6	21.0

96744 1999 OW_{3} 10 19.2 71°.22 3°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 19.28	+ 9 1.0	1.655	2.505	15.1	18.6
9 28	2 6.53	+ 6 24.9	1.647	2.578	10.3	18.5
10 8	1 52.31	+ 3 45.4	1.670	2.649	5.4	18.4
10 18	1 37.91	+ 1 14.5	1.727	2.716	3.1	18.4
10 28	1 24.62	− 0 56.5	1.819	2.781	6.3	18.7
11 7	1 13.46	− 2 40.5	1.943	2.843	10.1	19.1
11 17	1 4.96	− 3 55.4	2.094	2.902	13.3	19.4
11 27	0 59.31	− 4 42.8	2.267	2.959	15.6	19.7

328108 2008 AF_{42} 10 19.2 352°.80 1°.4/20.1 18

9 18	1 56.07	+15 52.5	1.034	1.931	18.4	19.9
9 28	1 52.31	+15 17.7	0.977	1.925	13.5	19.6
10 8	1 45.68	+14 19.7	0.938	1.921	7.8	19.2
10 18	1 37.28	+13 3.9	0.922	1.917	1.9	18.9
10 28	1 28.75	+11 40.6	0.929	1.915	5.2	19.1
11 7	1 21.73	+10 22.4	0.959	1.914	11.2	19.4
11 17	1 17.42	+ 9 20.0	1.010	1.914	16.5	19.7
11 27	1 16.52	+ 8 40.6	1.078	1.915	21.0	20.0

262909 2007 CA_{51} 10 19.2 69°.19 3°.1/16.6 18

9 18	1 59.43	+ 1 40.2	2.045	2.930	11.2	20.8
9 28	1 53.39	+ 1 13.7	1.989	2.935	7.9	20.6
10 8	1 45.77	+ 0 46.9	1.959	2.939	4.6	20.4
10 18	1 37.28	+ 0 23.8	1.957	2.944	3.1	20.3
10 28	1 28.82	+ 0 9.0	1.983	2.949	5.5	20.5
11 7	1 21.26	+ 0 5.7	2.037	2.954	8.8	20.7
11 17	1 15.29	+ 0 15.6	2.116	2.959	11.9	20.9
11 27	1 11.39	+ 0 39.2	2.217	2.964	14.4	21.1

332039 2005 QU_{76} 10 19.2 27°.70 3°.1/20.9 18

9 18	2 1.38	+16 8.9	0.958	1.852	19.8	19.7
9 28	1 55.92	+16 33.5	0.924	1.869	14.6	19.5
10 8	1 47.48	+16 37.4	0.909	1.887	8.8	19.3
10 18	1 37.45	+16 22.8	0.915	1.907	3.6	19.1
10 28	1 27.68	+15 56.1	0.944	1.929	5.4	19.2
11 7	1 19.86	+15 26.4	0.995	1.952	10.7	19.6
11 17	1 15.08	+15 2.1	1.068	1.975	15.6	20.0
11 27	1 13.84	+14 49.9	1.160	2.000	19.5	20.3

261562 2005 WP_{168} 10 19.2 16°.00 6°.2/14.5 18

9 18	1 58.63	− 5 19.8	1.686	2.580	12.6	19.7
9 28	1 53.04	− 6 4.1	1.641	2.584	9.4	19.6
10 8	1 45.64	− 6 42.1	1.619	2.588	6.8	19.4
10 18	1 37.26	− 7 7.4	1.623	2.593	6.4	19.4
10 28	1 28.97	− 7 14.8	1.654	2.599	8.5	19.6
11 7	1 21.76	− 7 1.8	1.710	2.605	11.6	19.8
11 17	1 16.40	− 6 28.3	1.788	2.611	14.5	20.0
11 27	1 13.38	− 5 36.3	1.885	2.618	17.1	20.2

372864 2010 VR_{213} 10 19.2 123°.13 2°.5/21.3 17

9 18	2 1.48	+19 50.9	1.521	2.377	15.9	21.0
9 28	1 55.34	+19 9.7	1.462	2.387	11.8	20.7
10 8	1 46.99	+18 7.1	1.425	2.397	7.3	20.5
10 18	1 37.41	+16 47.2	1.414	2.406	3.0	20.3
10 28	1 27.91	+15 17.6	1.431	2.415	4.3	20.4
11 7	1 19.72	+13 48.3	1.474	2.423	8.7	20.7
11 17	1 13.77	+12 28.4	1.543	2.431	12.9	20.9
11 27	1 10.59	+11 24.9	1.634	2.439	16.4	21.2

424484 2008 DH_{14} 10 19.2 188°.43 0°.7/18.2 17

9 18	1 53.31	+ 8 19.5	3.480	4.348	7.5	22.1
9 28	1 48.65	+ 7 53.1	3.409	4.348	5.2	22.0
10 8	1 43.08	+ 7 23.0	3.365	4.347	2.8	21.8
10 18	1 37.00	+ 6 51.3	3.351	4.346	0.7	21.6
10 28	1 30.90	+ 6 20.7	3.367	4.345	2.7	21.8
11 7	1 25.26	+ 5 54.1	3.414	4.343	5.1	22.0
11 17	1 20.49	+ 5 33.6	3.489	4.342	7.4	22.1
11 27	1 16.92	+ 5 21.1	3.588	4.340	9.3	22.3

254466 2005 DE_{1} 10 19.2 184°.32 7°.5/11.4 18

9 18	2 0.50	−13 32.2	2.321	3.189	10.7	21.0
9 28	1 54.01	−14 37.3	2.275	3.189	8.7	20.9
10 8	1 46.06	−15 32.0	2.255	3.189	7.6	20.8
10 18	1 37.32	−16 10.3	2.262	3.188	7.8	20.8
10 28	1 28.64	−16 27.7	2.296	3.187	9.3	20.9
11 7	1 20.81	−16 22.6	2.355	3.185	11.4	21.1
11 17	1 14.47	−15 55.6	2.437	3.182	13.4	21.2
11 27	1 10.08	−15 9.1	2.538	3.179	15.2	21.4

281841 2010 AM_{80} 10 19.2 59°.54 4°.5/15.7 18

9 18	1 59.50	+ 1 33.8	1.478	2.376	13.8	19.8
9 28	1 53.76	+ 0 28.9	1.438	2.389	9.8	19.6
10 8	1 46.05	− 0 36.7	1.422	2.403	5.9	19.4
10 18	1 37.32	− 1 35.2	1.432	2.417	4.6	19.4
10 28	1 28.76	− 2 19.1	1.468	2.431	7.4	19.6
11 7	1 21.47	− 2 43.4	1.529	2.445	11.3	19.9
11 17	1 16.25	− 2 46.2	1.613	2.459	14.8	20.1
11 27	1 13.58	− 2 28.1	1.717	2.473	17.7	20.4

310680 2002 GA_7 10 19.2 116°.25 6°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 56.88	−12 24.4	2.486	3.360	9.8	20.6
9 28	1 51.33	−13 39.5	2.455	3.374	8.0	20.5
10 8	1 44.55	−14 45.0	2.450	3.388	6.9	20.4
10 18	1 37.16	−15 35.4	2.473	3.401	7.2	20.5
10 28	1 29.88	−16 6.6	2.522	3.414	8.6	20.6
11 7	1 23.38	−16 16.8	2.597	3.426	10.4	20.7
11 17	1 18.20	−16 6.5	2.695	3.439	12.3	20.9
11 27	1 14.72	−15 37.3	2.811	3.450	13.9	21.0

396315 2014 DX_{34} 10 19.2 190°.52 2°.2/17.2 18

9 18	1 59.16	+ 6 30.4	1.888	2.772	12.0	21.1
9 28	1 53.38	+ 5 38.4	1.825	2.771	8.4	20.9
10 8	1 45.84	+ 4 40.3	1.787	2.770	4.6	20.7
10 18	1 37.31	+ 3 41.4	1.776	2.769	2.2	20.5
10 28	1 28.76	+ 2 48.0	1.794	2.767	5.1	20.7
11 7	1 21.13	+ 2 5.9	1.840	2.765	9.0	20.9
11 17	1 15.21	+ 1 38.9	1.911	2.763	12.5	21.2
11 27	1 11.50	+ 1 29.1	2.003	2.761	15.4	21.4

392117 2009 FA_{18} 10 19.2 157°.10 3°.0/16.0 18

9 18	1 58.19	+ 2 29.6	2.289	3.171	10.3	21.4
9 28	1 52.39	+ 1 35.1	2.233	3.177	7.2	21.2
10 8	1 45.19	+ 0 38.8	2.203	3.183	4.2	21.0
10 18	1 37.24	− 0 14.3	2.202	3.188	3.1	20.9
10 28	1 29.33	− 0 59.1	2.230	3.192	5.3	21.1
11 7	1 22.21	− 1 31.5	2.287	3.197	8.3	21.3
11 17	1 16.50	− 1 49.2	2.369	3.200	11.2	21.5
11 27	1 12.64	− 1 51.2	2.474	3.204	13.5	21.7

32120 Stevezheng 10 19.2 159°.13 0°.7/19.8 18

9 18	2 1.46	+14 16.8	1.928	2.790	12.8	19.2
9 28	1 54.99	+13 46.8	1.864	2.796	9.2	19.0
10 8	1 46.71	+13 4.7	1.823	2.801	5.2	18.8
10 18	1 37.41	+12 13.7	1.811	2.807	1.1	18.5
10 28	1 28.12	+11 19.2	1.828	2.811	3.6	18.7
11 7	1 19.83	+10 27.5	1.874	2.815	7.7	19.0
11 17	1 13.32	+ 9 43.9	1.946	2.818	11.4	19.2
11 27	1 9.12	+ 9 12.9	2.040	2.821	14.4	19.4

49853 1999 XG_{96} 10 19.2 218°.86 2°.4/17.6 18

9 18	2 3.29	+ 5 19.4	1.572	2.458	13.9	18.5
9 28	1 56.63	+ 4 52.6	1.508	2.454	9.8	18.3
10 8	1 47.75	+ 4 21.0	1.467	2.451	5.4	18.0
10 18	1 37.54	+ 3 49.5	1.454	2.447	2.4	17.8
10 28	1 27.25	+ 3 24.1	1.468	2.443	5.8	18.0
11 7	1 18.10	+ 3 10.0	1.508	2.438	10.2	18.3
11 17	1 11.08	+ 3 10.8	1.573	2.434	14.3	18.5
11 27	1 6.80	+ 3 27.8	1.658	2.429	17.7	18.7

401415 2013 CP_{72} 10 19.2 213°.84 5°.2/13.7 18

9 18	1 57.11	− 2 37.8	2.011	2.902	11.1	21.4
9 28	1 51.83	− 3 59.6	1.955	2.899	8.1	21.2
10 8	1 44.98	− 5 20.0	1.925	2.896	5.7	21.1
10 18	1 37.24	− 6 31.7	1.922	2.893	5.5	21.1
10 28	1 29.48	− 7 28.2	1.948	2.889	7.7	21.2
11 7	1 22.57	− 8 4.7	1.999	2.885	10.6	21.4
11 17	1 17.20	− 8 19.6	2.074	2.881	13.4	21.6
11 27	1 13.85	− 8 12.9	2.169	2.877	15.8	21.7

292783 2006 UU_{218} 10 19.2 3°.23 3°.6/16.9 18

9 18	1 58.20	+ 5 10.7	1.080	1.991	16.7	20.2
9 28	1 53.57	+ 4 18.4	1.031	1.990	11.7	19.9
10 8	1 46.26	+ 3 19.0	1.003	1.989	6.5	19.6
10 18	1 37.39	+ 2 21.3	0.998	1.990	3.7	19.4
10 28	1 28.50	+ 1 35.4	1.016	1.992	7.6	19.7
11 7	1 21.13	+ 1 8.9	1.057	1.994	12.8	20.0
11 17	1 16.37	+ 1 6.0	1.119	1.998	17.4	20.3
11 27	1 14.81	+ 1 27.1	1.198	2.002	21.3	20.5

287001 2002 QA_{66} 10 19.2 113°.63 0°.5/19.6 17

9 18	2 3.95	+13 21.0	1.627	2.495	14.4	21.6
9 28	1 56.86	+12 53.8	1.577	2.513	10.3	21.3
10 8	1 47.73	+12 14.0	1.550	2.530	5.7	21.1
10 18	1 37.54	+11 25.8	1.550	2.546	0.9	20.8
10 28	1 27.49	+10 35.2	1.579	2.562	4.1	21.1
11 7	1 18.75	+ 9 49.1	1.636	2.578	8.6	21.4
11 17	1 12.14	+ 9 13.1	1.718	2.592	12.5	21.7
11 27	1 8.18	+ 8 51.0	1.821	2.607	15.8	21.9

68866 2002 JG_{15} 10 19.2 55°.59 0°.4/18.7 18

9 18	1 55.35	+12 3.9	2.068	2.943	11.5	19.1
9 28	1 50.55	+11 6.2	2.009	2.950	8.1	18.9
10 8	1 44.26	+ 9 58.4	1.975	2.958	4.3	18.7
10 18	1 37.17	+ 8 45.4	1.970	2.966	0.5	18.4
10 28	1 30.12	+ 7 33.2	1.993	2.974	3.7	18.7
11 7	1 23.91	+ 6 28.1	2.044	2.982	7.5	19.0
11 17	1 19.19	+ 5 35.1	2.122	2.990	10.8	19.2
11 27	1 16.41	+ 4 57.3	2.223	2.998	13.6	19.4

263602 2008 FW_{130} 10 19.2 99°.97 1°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.64	+ 7 2.8	2.139	3.019	11.0	21.1
9 28	1 52.09	+ 6 22.8	2.083	3.028	7.7	20.9
10 8	1 45.07	+ 5 37.8	2.053	3.036	4.1	20.7
10 18	1 37.26	+ 4 51.9	2.051	3.045	1.6	20.6
10 28	1 29.49	+ 4 10.2	2.078	3.053	4.3	20.8
11 7	1 22.57	+ 3 37.1	2.133	3.062	7.8	21.0
11 17	1 17.14	+ 3 16.0	2.215	3.070	10.9	21.2
11 27	1 13.65	+ 3 8.6	2.318	3.078	13.5	21.4

406263 2007 ER_8 10 19.2 150°.87 2°.6/22.1 18

9 18	2 0.11	+20 29.3	2.844	3.667	10.2	21.9
9 28	1 53.66	+20 36.7	2.771	3.675	7.8	21.8
10 8	1 45.88	+20 32.8	2.725	3.683	5.1	21.6
10 18	1 37.36	+20 18.4	2.707	3.690	2.9	21.5
10 28	1 28.79	+19 55.5	2.720	3.697	3.2	21.5
11 7	1 20.90	+19 27.6	2.763	3.704	5.6	21.7
11 17	1 14.27	+18 58.5	2.834	3.710	8.1	21.9
11 27	1 9.35	+18 32.3	2.931	3.715	10.4	22.0

521689 2015 RL_{262} 10 19.2 263°.90 0°.9/19.9 18

9 18	1 58.70	+14 26.1	1.985	2.849	12.4	21.7
9 28	1 53.17	+14 2.9	1.904	2.837	9.0	21.5
10 8	1 45.83	+13 27.5	1.847	2.825	5.1	21.2
10 18	1 37.37	+12 42.7	1.818	2.813	1.2	20.9
10 28	1 28.74	+11 53.3	1.818	2.801	3.6	21.1
11 7	1 20.92	+11 5.0	1.845	2.789	7.7	21.3
11 17	1 14.74	+10 23.5	1.899	2.776	11.4	21.5
11 27	1 10.78	+ 9 53.5	1.975	2.764	14.6	21.7

150459 2000 HO_{82} 10 19.2 303°.93 1°.3/18.3 18

9 18	2 1.32	+ 8 10.5	1.411	2.301	14.9	19.7
9 28	1 55.57	+ 7 51.7	1.340	2.288	10.6	19.4
10 8	1 47.34	+ 7 24.4	1.291	2.276	5.7	19.1
10 18	1 37.54	+ 6 53.0	1.268	2.263	1.3	18.8
10 28	1 27.48	+ 6 23.9	1.271	2.251	5.4	19.0
11 7	1 18.57	+ 6 3.4	1.299	2.240	10.5	19.3
11 17	1 11.90	+ 5 56.6	1.351	2.228	15.1	19.5
11 27	1 8.22	+ 6 6.4	1.422	2.217	19.0	19.8

118339 1999 CK_{18} 10 19.2 209°.40 2°.2/17.5 18

9 18	2 2.12	+ 5 34.7	1.775	2.657	12.7	19.2
9 28	1 55.62	+ 5 3.6	1.709	2.654	9.0	19.0
10 8	1 47.14	+ 4 27.5	1.667	2.650	4.9	18.7
10 18	1 37.51	+ 3 51.3	1.653	2.646	2.2	18.6
10 28	1 27.79	+ 3 20.5	1.667	2.641	5.3	18.8
11 7	1 19.08	+ 3 0.1	1.709	2.636	9.4	19.0
11 17	1 12.25	+ 2 53.6	1.775	2.631	13.2	19.2
11 27	1 7.88	+ 3 2.6	1.863	2.625	16.3	19.4

345840 2007 LZ_{21} 10 19.2 9°.13 8°.8/11.8 18

9 18	1 50.21	− 2 11.7	0.977	1.905	16.2	18.9
9 28	1 47.91	− 4 35.9	0.946	1.908	12.0	18.7
10 8	1 43.16	− 6 55.9	0.936	1.913	9.1	18.6
10 18	1 37.07	− 8 55.4	0.949	1.920	9.5	18.6
10 28	1 31.09	−10 20.4	0.983	1.928	12.7	18.8
11 7	1 26.54	−11 3.9	1.037	1.939	16.7	19.1
11 17	1 24.35	−11 6.4	1.109	1.952	20.3	19.4
11 27	1 24.98	−10 32.6	1.196	1.966	23.2	19.7

37580 1990 SH_8 10 19.2 291°.62 4°.6/15.8 18

9 18	1 59.81	+ 3 0.1	1.297	2.199	15.1	17.7
9 28	1 54.52	+ 1 46.2	1.236	2.190	10.7	17.4
10 8	1 46.75	+ 0 26.8	1.198	2.181	6.4	17.2
10 18	1 37.48	− 0 48.9	1.185	2.172	4.8	17.1
10 28	1 28.08	− 1 50.5	1.197	2.163	8.2	17.2
11 7	1 19.94	− 2 30.1	1.234	2.155	12.9	17.5
11 17	1 14.13	− 2 43.8	1.291	2.146	17.1	17.7
11 27	1 11.31	− 2 31.3	1.367	2.138	20.7	18.0

325429 2009 OL_{14} 10 19.2 7°.40 5°.3/24.3 17

9 18	1 56.74	+26 43.9	1.795	2.619	15.2	20.4
9 28	1 51.98	+26 41.7	1.724	2.620	12.1	20.2
10 8	1 45.23	+26 16.8	1.676	2.621	8.8	20.0
10 18	1 37.31	+25 29.7	1.651	2.623	6.0	19.9
10 28	1 29.31	+24 24.3	1.653	2.626	5.6	19.8
11 7	1 22.33	+23 7.8	1.682	2.629	8.0	20.0
11 17	1 17.24	+21 48.8	1.736	2.633	11.2	20.2
11 27	1 14.60	+20 35.7	1.814	2.637	14.3	20.4

491174 2011 UT_{21} 10 19.2 351°.12 4°.3/21.7 17

9 18	1 58.86	+18 46.7	1.278	2.151	17.2	21.0
9 28	1 54.13	+19 26.0	1.211	2.142	13.2	20.7
10 8	1 46.70	+19 47.2	1.164	2.134	8.7	20.5
10 18	1 37.49	+19 49.7	1.140	2.127	4.8	20.2
10 28	1 27.98	+19 36.0	1.140	2.122	5.6	20.3
11 7	1 19.71	+19 12.6	1.165	2.119	9.9	20.5
11 17	1 13.92	+18 47.4	1.212	2.116	14.4	20.8
11 27	1 11.40	+18 28.1	1.279	2.115	18.3	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
244303 2002 GT_8		10 19.2 216.°46	0.°3/18.9 18			
	h m	° ′			°	m
9 18	2 3.00	+ 9 48.5	2.135	3.001	11.6	20.6
9 28	1 56.07	+ 9 39.8	2.057	2.993	8.3	20.4
10 8	1 47.36	+ 9 24.1	2.004	2.985	4.5	20.2
10 18	1 37.56	+ 9 4.0	1.980	2.976	0.5	19.9
10 28	1 27.60	+ 8 43.2	1.986	2.966	3.8	20.1
11 7	1 18.47	+ 8 25.8	2.021	2.956	7.7	20.3
11 17	1 10.95	+ 8 15.6	2.083	2.946	11.2	20.5
11 27	1 5.62	+ 8 15.4	2.168	2.935	14.2	20.7
138330 2000 GE_{91}		10 19.2 174.°99	4.°9/15.5 18			
9 18	2 3.46	− 4 29.0	2.063	2.941	11.4	19.4
9 28	1 56.25	− 4 50.6	2.005	2.942	8.4	19.2
10 8	1 47.36	− 5 7.2	1.974	2.943	5.7	19.1
10 18	1 37.55	− 5 14.4	1.970	2.944	5.0	19.0
10 28	1 27.76	− 5 8.2	1.995	2.944	7.0	19.2
11 7	1 18.94	− 4 46.7	2.048	2.944	9.9	19.3
11 17	1 11.81	− 4 9.8	2.127	2.944	12.7	19.5
11 27	1 6.88	− 3 18.6	2.226	2.944	15.2	19.7
385693 2005 TR_{52}		10 19.2 321.°72	0.°4/18.9 18			
9 18	1 56.03	+12 31.5	1.243	2.139	16.1	20.9
9 28	1 52.11	+11 41.9	1.168	2.119	11.6	20.6
10 8	1 45.59	+10 34.0	1.114	2.099	6.3	20.2
10 18	1 37.38	+ 9 13.5	1.084	2.080	0.7	19.8
10 28	1 28.83	+ 7 50.3	1.079	2.062	5.5	20.1
11 7	1 21.43	+ 6 35.5	1.098	2.045	11.2	20.3
11 17	1 16.35	+ 5 38.3	1.139	2.029	16.3	20.6
11 27	1 14.40	+ 5 4.7	1.198	2.014	20.6	20.8
1195 Orangia		10 19.2 121.°78	4.°3/22.9 18			
9 18	2 4.50	+23 56.4	1.673	2.503	15.9	17.2
9 28	1 57.38	+23 43.5	1.615	2.520	12.3	17.0
10 8	1 48.09	+23 8.3	1.580	2.536	8.3	16.8
10 18	1 37.62	+22 12.3	1.571	2.552	4.9	16.6
10 28	1 27.27	+21 0.8	1.589	2.567	5.0	16.7
11 7	1 18.26	+19 42.6	1.635	2.582	8.2	16.9
11 17	1 11.48	+18 26.4	1.708	2.595	11.9	17.2
11 27	1 7.47	+17 20.1	1.803	2.608	15.1	17.4
85114 4285 $T\text{-}_3$		10 19.2 29.°33	3.°4/15.8 18			
9 18	1 54.28	+ 6 53.5	1.528	2.427	13.4	18.9
9 28	1 50.12	+ 4 59.0	1.483	2.436	9.3	18.7
10 8	1 44.14	+ 2 56.3	1.462	2.446	5.1	18.5
10 18	1 37.20	+ 0 55.5	1.467	2.457	3.5	18.4
10 28	1 30.35	− 0 52.5	1.501	2.468	6.8	18.7
11 7	1 24.60	− 2 19.1	1.560	2.480	10.8	18.9
11 17	1 20.69	− 3 19.7	1.643	2.492	14.4	19.2
11 27	1 19.08	− 3 53.1	1.746	2.505	17.3	19.4
268536 2006 AW_{31}		10 19.2 267.°62	1.°0/18.3 18			
9 18	1 57.12	+ 8 45.9	2.211	3.087	10.8	20.4
9 28	1 51.81	+ 8 14.9	2.141	3.083	7.6	20.2
10 8	1 44.99	+ 7 37.4	2.097	3.080	4.1	20.0
10 18	1 37.30	+ 6 57.0	2.081	3.076	1.0	19.8
10 28	1 29.55	+ 6 18.3	2.094	3.072	3.9	20.0
11 7	1 22.56	+ 5 45.7	2.135	3.069	7.4	20.2
11 17	1 16.99	+ 5 23.1	2.203	3.065	10.7	20.4
11 27	1 13.33	+ 5 12.8	2.293	3.061	13.4	20.6
187969 2001 QS_{59}		10 19.2 41.°29	6.°1/15.0 18			
9 18	1 59.73	− 0 49.3	1.208	2.116	15.5	19.5
9 28	1 54.23	− 2 2.4	1.175	2.129	11.2	19.3
10 8	1 46.43	− 3 12.8	1.163	2.142	7.3	19.1
10 18	1 37.45	− 4 10.8	1.176	2.156	6.3	19.1
10 28	1 28.70	− 4 47.9	1.213	2.171	9.3	19.3
11 7	1 21.47	− 4 59.5	1.273	2.187	13.2	19.6
11 17	1 16.65	− 4 45.2	1.355	2.202	16.9	19.9
11 27	1 14.69	− 4 7.1	1.453	2.219	20.0	20.1
287017 2002 QL_{85}		10 19.2 14.°77	2.°4/21.1 18			
9 18	1 58.29	+17 51.4	1.519	2.387	15.3	20.2
9 28	1 53.20	+17 37.7	1.458	2.389	11.4	20.0
10 8	1 45.94	+17 6.3	1.418	2.392	6.9	19.8
10 18	1 37.41	+16 19.8	1.403	2.396	2.9	19.5
10 28	1 28.83	+15 24.1	1.415	2.400	4.2	19.6
11 7	1 21.42	+14 26.9	1.453	2.404	8.6	19.9
11 17	1 16.10	+13 36.0	1.516	2.409	12.7	20.2
11 27	1 13.46	+12 57.4	1.600	2.415	16.3	20.4
155864 2001 CE_{40}		10 19.2 165.°87	3.°3/15.3 18			
9 18	1 56.78	− 0 45.6	2.736	3.617	8.8	20.0
9 28	1 51.26	− 1 31.8	2.679	3.621	6.3	19.8
10 8	1 44.57	− 2 17.2	2.650	3.624	4.1	19.7
10 18	1 37.26	− 2 57.8	2.649	3.628	3.4	19.6
10 28	1 29.96	− 3 29.5	2.678	3.630	5.2	19.8
11 7	1 23.31	− 3 49.6	2.736	3.633	7.7	19.9
11 17	1 17.83	− 3 56.4	2.819	3.635	10.0	20.1
11 27	1 13.90	− 3 49.5	2.925	3.637	12.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215404 2002 EK_{79}		10 19.2 107.°04	2.°7/21.2 18			
	h m	° ′			°	m
9 18	2 1.59	+18 57.9	1.384	2.248	16.7	20.2
9 28	1 55.71	+18 33.5	1.323	2.252	12.5	19.9
10 8	1 47.36	+17 47.9	1.283	2.256	7.7	19.7
10 18	1 37.58	+16 44.1	1.268	2.260	3.2	19.4
10 28	1 27.77	+15 29.3	1.280	2.264	4.6	19.5
11 7	1 19.32	+14 13.3	1.318	2.268	9.3	19.8
11 17	1 13.28	+13 5.6	1.379	2.272	13.8	20.1
11 27	1 10.24	+12 13.4	1.462	2.275	17.6	20.3
324606 2006 YA_{10}		10 19.2 357.°31	0.°6/19.7 18			
9 18	1 57.75	+13 33.6	1.821	2.693	12.9	20.6
9 28	1 52.53	+13 10.1	1.754	2.692	9.3	20.4
10 8	1 45.48	+12 34.9	1.711	2.691	5.2	20.1
10 18	1 37.37	+11 51.1	1.695	2.690	1.0	19.8
10 28	1 29.20	+11 4.2	1.706	2.690	3.7	20.1
11 7	1 21.96	+10 20.1	1.746	2.690	7.9	20.3
11 17	1 16.47	+ 9 44.3	1.810	2.690	11.7	20.6
11 27	1 13.26	+ 9 20.9	1.897	2.691	14.9	20.8
491933 2013 CB_{104}		10 19.2 52.°41	3.°7/22.1 18			
9 18	2 1.87	+20 16.2	1.719	2.566	14.8	20.6
9 28	1 55.53	+20 34.7	1.663	2.579	11.2	20.5
10 8	1 47.13	+20 36.4	1.628	2.592	7.4	20.3
10 18	1 37.55	+20 21.7	1.620	2.605	4.1	20.1
10 28	1 27.99	+19 54.2	1.639	2.618	4.6	20.2
11 7	1 19.58	+19 19.7	1.685	2.632	7.9	20.4
11 17	1 13.21	+18 44.7	1.757	2.646	11.5	20.6
11 27	1 9.45	+18 15.4	1.851	2.660	14.6	20.9
6328 1991 NL_1		10 19.2 122.°66	0.°7/18.5 18			
9 18	1 56.94	+ 9 29.1	2.454	3.325	10.1	17.7
9 28	1 51.50	+ 8 58.2	2.393	3.332	7.1	17.5
10 8	1 44.75	+ 8 21.1	2.357	3.340	3.8	17.3
10 18	1 37.29	+ 7 41.2	2.351	3.347	0.7	17.1
10 28	1 29.84	+ 7 2.5	2.374	3.354	3.4	17.3
11 7	1 23.12	+ 6 29.1	2.427	3.360	6.7	17.6
11 17	1 17.71	+ 6 4.3	2.506	3.367	9.6	17.8
11 27	1 14.02	+ 5 50.4	2.609	3.373	12.1	17.9
259681 2003 XG_{13}		10 19.2 169.°16	1.°9/20.7 18			
9 18	2 2.62	+17 0.5	1.628	2.488	14.8	21.1
9 28	1 56.18	+16 41.3	1.562	2.491	10.9	20.8
10 8	1 47.54	+16 5.5	1.519	2.493	6.5	20.6
10 18	1 37.61	+15 15.8	1.502	2.495	2.3	20.3
10 28	1 27.62	+14 18.1	1.513	2.497	4.1	20.5
11 7	1 18.80	+13 19.9	1.551	2.497	8.6	20.7
11 17	1 12.10	+12 28.5	1.615	2.498	12.7	21.0
11 27	1 8.12	+11 49.8	1.700	2.498	16.2	21.2
157635 2005 WF_{198}		10 19.2 313.°78	0.°9/18.4 18			
9 18	1 56.92	+ 9 30.1	2.030	2.908	11.5	20.8
9 28	1 51.79	+ 8 54.5	1.961	2.904	8.1	20.5
10 8	1 45.04	+ 8 11.0	1.917	2.900	4.3	20.3
10 18	1 37.34	+ 7 23.8	1.900	2.896	0.9	20.0
10 28	1 29.58	+ 6 37.8	1.912	2.892	4.0	20.3
11 7	1 22.63	+ 5 58.6	1.952	2.888	7.9	20.5
11 17	1 17.21	+ 5 30.2	2.018	2.884	11.3	20.7
11 27	1 13.84	+ 5 15.5	2.106	2.881	14.2	20.9
129630 1998 HK_{32}		10 19.2 203.°48	0.°0/19.2 18			
9 18	1 59.43	+12 44.2	2.104	2.969	11.7	20.7
9 28	1 53.54	+12 1.4	2.029	2.965	8.4	20.5
10 8	1 45.98	+11 7.6	1.980	2.960	4.6	20.2
10 18	1 37.45	+10 6.6	1.959	2.955	0.5	19.9
10 28	1 28.84	+ 9 4.1	1.967	2.949	3.6	20.2
11 7	1 21.06	+ 8 5.9	2.005	2.943	7.6	20.4
11 17	1 14.85	+ 7 17.4	2.069	2.936	11.1	20.6
11 27	1 10.74	+ 6 42.4	2.156	2.929	14.0	20.8
342413 2008 UH_{66}		10 19.2 44.°72	2.°8/21.3 18			
9 18	2 0.29	+18 35.2	1.384	2.252	16.5	20.4
9 28	1 54.66	+18 24.1	1.335	2.266	12.3	20.1
10 8	1 46.72	+17 53.4	1.307	2.280	7.6	19.9
10 18	1 37.53	+17 6.2	1.304	2.295	3.3	19.7
10 28	1 28.43	+16 8.9	1.326	2.311	4.5	19.8
11 7	1 20.74	+15 10.1	1.375	2.326	8.9	20.1
11 17	1 15.37	+14 17.9	1.447	2.342	13.1	20.4
11 27	1 12.86	+13 38.7	1.541	2.359	16.6	20.7
305560 2008 UR_{370}		10 19.2 43.°99	7.°1/13.9 18			
9 18	1 59.56	− 5 21.7	1.472	2.371	13.8	19.9
9 28	1 53.85	− 6 29.3	1.437	2.382	10.3	19.7
10 8	1 46.16	− 7 29.7	1.425	2.394	7.6	19.6
10 18	1 37.46	− 8 14.6	1.439	2.406	7.3	19.6
10 28	1 28.95	− 8 37.5	1.477	2.419	9.6	19.8
11 7	1 21.72	− 8 35.5	1.540	2.432	12.8	20.0
11 17	1 16.57	− 8 9.0	1.624	2.446	15.9	20.3
11 27	1 13.96	− 7 20.9	1.727	2.459	18.5	20.5

86576 2000 EZ_{45} 10 19.2 187°.92 0°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.11	+12 57.8	1.885	2.751	12.8	20.7
9 28	1 54.86	+12 19.9	1.815	2.751	9.2	20.5
10 8	1 46.75	+11 30.3	1.770	2.750	5.0	20.3
10 18	1 37.55	+10 32.7	1.753	2.749	0.6	19.9
10 28	1 28.29	+ 9 33.0	1.764	2.747	3.9	20.2
11 7	1 20.01	+ 8 37.7	1.805	2.744	8.1	20.4
11 17	1 13.51	+ 7 52.6	1.871	2.741	11.9	20.7
11 27	1 9.34	+ 7 21.7	1.959	2.737	15.1	20.9

173037 2006 QK_{57} 10 19.2 87°.82 6°.5/26.1 18

9 18	2 1.01	+31 34.5	1.942	2.729	15.6	20.0
9 28	1 54.85	+31 34.7	1.881	2.746	12.8	19.8
10 8	1 46.73	+31 10.1	1.841	2.762	9.8	19.7
10 18	1 37.54	+30 20.5	1.825	2.779	7.3	19.6
10 28	1 28.42	+29 9.5	1.836	2.795	6.5	19.5
11 7	1 20.47	+27 44.4	1.875	2.811	8.1	19.7
11 17	1 14.49	+26 14.0	1.940	2.827	10.7	19.9
11 27	1 11.02	+24 47.2	2.029	2.843	13.3	20.1

147493 2004 CA_{79} 10 19.2 237°.20 1°.9/17.8 18

9 18	2 1.62	+ 7 31.2	1.641	2.524	13.5	20.8
9 28	1 55.49	+ 6 50.5	1.570	2.516	9.6	20.5
10 8	1 47.21	+ 6 1.6	1.523	2.507	5.2	20.2
10 18	1 37.62	+ 5 10.0	1.503	2.498	1.9	20.0
10 28	1 27.87	+ 4 22.3	1.511	2.488	5.4	20.2
11 7	1 19.16	+ 3 45.0	1.546	2.478	9.9	20.5
11 17	1 12.44	+ 3 23.0	1.605	2.468	14.0	20.7
11 27	1 8.34	+ 3 18.8	1.685	2.457	17.4	20.9

358845 2008 FV_{61} 10 19.2 114°.18 0°.1/19.1 18

9 18	1 58.44	+11 22.8	2.141	3.011	11.4	21.6
9 28	1 52.74	+10 56.3	2.080	3.017	8.1	21.5
10 8	1 45.50	+10 21.4	2.043	3.024	4.4	21.2
10 18	1 37.42	+ 9 41.4	2.034	3.030	0.5	20.9
10 28	1 29.34	+ 9 0.9	2.055	3.037	3.5	21.2
11 7	1 22.10	+ 8 24.7	2.104	3.043	7.2	21.5
11 17	1 16.39	+ 7 56.8	2.180	3.049	10.5	21.7
11 27	1 12.67	+ 7 40.2	2.279	3.055	13.3	21.9

318526 2005 EX_{240} 10 19.2 176°.43 0°.2/19.0 17

9 18	2 4.43	+10 59.7	1.888	2.754	12.8	21.6
9 28	1 57.18	+10 36.9	1.821	2.757	9.2	21.4
10 8	1 48.00	+10 4.8	1.779	2.760	5.0	21.2
10 18	1 37.70	+ 9 26.7	1.765	2.761	0.5	20.8
10 28	1 27.35	+ 8 47.7	1.781	2.762	4.0	21.1
11 7	1 18.04	+ 8 13.3	1.825	2.762	8.3	21.4
11 17	1 10.61	+ 7 48.0	1.896	2.760	12.0	21.6
11 27	1 5.61	+ 7 35.4	1.989	2.759	15.1	21.8

73486 2002 PY_{85} 10 19.2 311°.45 6°.2/25.3 18

9 18	2 0.36	+30 4.8	2.293	3.079	13.5	18.9
9 28	1 54.39	+30 38.9	2.211	3.075	11.2	18.8
10 8	1 46.56	+30 54.2	2.151	3.071	8.7	18.6
10 18	1 37.55	+30 49.1	2.117	3.066	6.8	18.5
10 28	1 28.32	+30 24.4	2.109	3.062	6.3	18.4
11 7	1 19.88	+29 44.3	2.129	3.058	7.7	18.5
11 17	1 13.08	+28 54.6	2.175	3.055	10.1	18.7
11 27	1 8.55	+28 2.4	2.245	3.051	12.5	18.8

131571 2001 VM_{66} 10 19.2 319°.37 3°.3/21.3 18

9 18	1 59.93	+18 43.8	1.154	2.032	18.4	18.8
9 28	1 55.13	+18 37.4	1.085	2.021	13.9	18.5
10 8	1 47.36	+18 7.5	1.036	2.010	8.7	18.2
10 18	1 37.65	+17 15.7	1.009	2.000	3.9	17.9
10 28	1 27.62	+16 8.6	1.006	1.991	5.3	17.9
11 7	1 18.96	+14 57.0	1.027	1.982	10.7	18.2
11 17	1 13.04	+13 52.3	1.070	1.973	15.9	18.5
11 27	1 10.63	+13 3.7	1.132	1.966	20.4	18.7

136689 1995 SF_{38} 10 19.2 339°.84 0°.1/19.2 18

9 18	1 58.19	+12 8.0	1.167	2.063	16.8	20.1
9 28	1 53.68	+11 39.5	1.104	2.055	12.1	19.8
10 8	1 46.46	+10 55.1	1.062	2.047	6.7	19.5
10 18	1 37.54	+10 0.0	1.043	2.039	0.7	19.1
10 28	1 28.43	+ 9 2.8	1.049	2.033	5.3	19.4
11 7	1 20.67	+ 8 12.9	1.078	2.027	11.0	19.7
11 17	1 15.43	+ 7 38.2	1.129	2.023	16.1	20.0
11 27	1 13.43	+ 7 23.6	1.198	2.019	20.3	20.2

387629 2002 NP_{64} 10 19.2 157°.79 7°.3/12.5 18

9 18	2 0.39	−10 0.2	2.000	2.880	11.6	20.5
9 28	1 54.12	−11 7.6	1.956	2.884	9.1	20.4
10 8	1 46.24	−12 6.1	1.938	2.888	7.5	20.3
10 18	1 37.50	−12 48.8	1.946	2.892	7.6	20.3
10 28	1 28.84	−13 10.5	1.981	2.895	9.3	20.4
11 7	1 21.15	−13 9.1	2.041	2.898	11.8	20.6
11 17	1 15.13	−12 45.0	2.124	2.901	14.2	20.8
11 27	1 11.24	−12 0.5	2.226	2.903	16.2	20.9

236508 2006 GO_{38} 10 19.2 70°.44 8°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 6.26	−13 5.3	1.634	2.509	14.0	19.6
9 28	1 58.28	−13 40.8	1.607	2.529	11.2	19.4
10 8	1 48.42	−14 1.1	1.604	2.550	9.1	19.4
10 18	1 37.73	−14 0.0	1.626	2.570	8.9	19.4
10 28	1 27.41	−13 34.2	1.675	2.591	10.6	19.6
11 7	1 18.55	−12 44.1	1.748	2.611	13.1	19.8
11 17	1 11.88	−11 33.2	1.844	2.632	15.6	20.0
11 27	1 7.82	−10 5.6	1.959	2.652	17.7	20.2

323274 2003 SQ_{390} 10 19.2 211°.06 1°.4/17.9 18

9 18	1 58.38	+ 6 19.6	2.400	3.276	10.1	20.8
9 28	1 52.60	+ 6 0.8	2.332	3.274	7.1	20.6
10 8	1 45.42	+ 5 38.2	2.290	3.272	3.8	20.4
10 18	1 37.42	+ 5 14.9	2.276	3.270	1.4	20.2
10 28	1 29.38	+ 4 54.6	2.292	3.268	3.9	20.4
11 7	1 22.05	+ 4 40.7	2.338	3.266	7.2	20.6
11 17	1 16.07	+ 4 35.7	2.409	3.264	10.2	20.8
11 27	1 11.89	+ 4 41.5	2.504	3.262	12.7	21.0

10060 Amymilne 10 19.2 157°.12 5°.9/14.5 18

9 18	2 4.04	− 6 9.2	1.984	2.862	11.8	18.3
9 28	1 56.68	− 6 54.4	1.935	2.869	8.8	18.1
10 8	1 47.62	− 7 33.3	1.912	2.876	6.4	18.0
10 18	1 37.66	− 8 0.3	1.917	2.882	6.0	18.0
10 28	1 27.80	− 8 10.7	1.950	2.888	8.0	18.1
11 7	1 19.00	− 8 2.1	2.011	2.893	10.7	18.3
11 17	1 11.98	− 7 34.6	2.095	2.897	13.5	18.5
11 27	1 7.21	− 6 49.9	2.200	2.900	15.8	18.7

185959 2001 FL_{7} 10 19.2 323°.15 5°.6/15.1 18

9 18	1 56.54	+ 2 22.7	1.151	2.063	15.7	19.7
9 28	1 52.50	+ 0 54.5	1.089	2.047	11.3	19.4
10 8	1 45.83	− 0 40.6	1.048	2.032	7.0	19.2
10 18	1 37.49	− 2 11.1	1.031	2.017	5.8	19.1
10 28	1 28.92	− 3 24.7	1.038	2.002	9.5	19.2
11 7	1 21.61	− 4 11.5	1.067	1.989	14.3	19.4
11 17	1 16.73	− 4 27.0	1.116	1.977	18.9	19.7
11 27	1 15.00	− 4 11.3	1.181	1.965	22.7	19.9

207281 2005 GT_{2} 10 19.2 99°.17 0°.7/18.6 18

9 18	2 0.25	+ 9 31.5	1.865	2.741	12.5	20.4
9 28	1 54.17	+ 9 5.9	1.808	2.749	8.8	20.2
10 8	1 46.34	+ 8 32.7	1.775	2.758	4.7	20.0
10 18	1 37.53	+ 7 55.6	1.770	2.766	0.8	19.7
10 28	1 28.76	+ 7 19.9	1.794	2.774	4.1	20.0
11 7	1 20.99	+ 6 50.5	1.845	2.782	8.2	20.2
11 17	1 14.99	+ 6 31.5	1.922	2.790	11.7	20.5
11 27	1 11.25	+ 6 25.5	2.021	2.797	14.7	20.7

39858 1998 DG_{6} 10 19.2 76°.36 5°.0/22.8 18

9 18	2 5.39	+22 52.8	1.629	2.463	16.1	18.2
9 28	1 58.16	+23 24.8	1.574	2.480	12.5	18.0
10 8	1 48.63	+23 37.0	1.542	2.497	8.6	17.8
10 18	1 37.79	+23 28.7	1.535	2.514	5.5	17.7
10 28	1 26.98	+23 2.8	1.556	2.531	5.5	17.7
11 7	1 17.51	+22 25.8	1.603	2.547	8.5	17.9
11 17	1 10.34	+21 45.2	1.676	2.564	12.0	18.2
11 27	1 6.06	+21 8.5	1.771	2.580	15.2	18.4

476519 2008 GM_{77} 10 19.2 136°.65 3°.6/16.4 16

9 18	2 1.79	+ 3 2.6	1.657	2.545	13.1	22.2
9 28	1 55.37	+ 2 5.9	1.606	2.553	9.3	22.0
10 8	1 47.02	+ 1 6.4	1.580	2.561	5.4	21.8
10 18	1 37.62	+ 0 10.8	1.581	2.569	3.7	21.7
10 28	1 28.30	− 0 34.0	1.609	2.576	6.5	21.9
11 7	1 20.13	− 1 2.6	1.665	2.582	10.4	22.1
11 17	1 13.95	− 1 12.5	1.744	2.588	13.9	22.4
11 27	1 10.24	− 1 3.2	1.843	2.594	16.8	22.6

451641 2012 HX_{71} 10 19.2 217°.66 1°.2/17.7 17

9 18	1 55.52	+ 7 42.7	2.858	3.730	8.8	22.3
9 28	1 50.45	+ 6 56.9	2.782	3.722	6.1	22.2
10 8	1 44.22	+ 6 6.0	2.732	3.714	3.3	22.0
10 18	1 37.32	+ 5 13.4	2.712	3.706	1.2	21.8
10 28	1 30.36	+ 4 23.1	2.722	3.697	3.5	22.0
11 7	1 23.95	+ 3 39.1	2.763	3.688	6.4	22.1
11 17	1 18.62	+ 3 4.6	2.830	3.678	9.0	22.3
11 27	1 14.79	+ 2 41.8	2.922	3.668	11.3	22.4

202386 2005 GR_{64} 10 19.2 259°.22 2°.0/17.3 18

9 18	1 58.30	+ 6 58.9	1.937	2.820	11.8	20.5
9 28	1 52.91	+ 6 6.0	1.861	2.806	8.3	20.3
10 8	1 45.74	+ 5 5.8	1.810	2.793	4.5	20.0
10 18	1 37.49	+ 4 3.6	1.786	2.779	2.0	19.8
10 28	1 29.10	+ 3 5.6	1.791	2.765	5.1	20.0
11 7	1 21.52	+ 2 18.1	1.824	2.751	9.0	20.2
11 17	1 15.55	+ 1 45.5	1.882	2.737	12.6	20.4
11 27	1 11.77	+ 1 30.3	1.962	2.722	15.6	20.6

519774 2013 EL_{157} 10 19.2 102°.86 1°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.99	+ 8 11.9	2.327	3.201	10.4	22.0
9 28	1 52.24	+ 7 33.2	2.276	3.218	7.3	21.9
10 8	1 45.18	+ 6 49.3	2.252	3.234	3.8	21.7
10 18	1 37.42	+ 6 3.8	2.255	3.250	1.2	21.5
10 28	1 29.75	+ 5 21.4	2.289	3.266	3.8	21.7
11 7	1 22.89	+ 4 46.2	2.352	3.282	7.1	22.0
11 17	1 17.43	+ 4 21.4	2.441	3.297	10.0	22.2
11 27	1 13.78	+ 4 8.9	2.553	3.312	12.5	22.4

449522 2014 HP_{13} 10 19.2 230°.98 1°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.29	+ 7 20.2	1.851	2.733	12.3	21.5
9 28	1 53.58	+ 6 43.3	1.786	2.731	8.6	21.2
10 8	1 46.08	+ 5 59.9	1.746	2.729	4.6	21.0
10 18	1 37.53	+ 5 14.7	1.733	2.727	1.7	20.8
10 28	1 28.93	+ 4 33.4	1.748	2.725	4.8	21.0
11 7	1 21.26	+ 4 1.3	1.791	2.723	8.8	21.2
11 17	1 15.32	+ 3 42.3	1.859	2.720	12.4	21.5
11 27	1 11.65	+ 3 38.7	1.949	2.718	15.4	21.7

103566 2000 BL_{35} 10 19.2 233°.04 1°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.87	+ 7 42.2	2.061	2.937	11.5	19.7
9 28	1 53.91	+ 7 11.7	1.987	2.929	8.1	19.5
10 8	1 46.25	+ 6 34.9	1.938	2.920	4.3	19.2
10 18	1 37.56	+ 5 55.7	1.917	2.912	1.3	19.0
10 28	1 28.75	+ 5 19.0	1.925	2.902	4.3	19.2
11 7	1 20.75	+ 4 49.6	1.962	2.893	8.2	19.4
11 17	1 14.33	+ 4 31.4	2.024	2.883	11.6	19.6
11 27	1 10.03	+ 4 26.7	2.109	2.873	14.6	19.8

100115 1993 HA_{3} 10 19.2 20°.30 5°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.55	+ 1 29.8	0.937	1.857	17.6	17.9
9 28	1 53.17	+ 0 36.0	0.906	1.868	12.5	17.7
10 8	1 46.06	− 0 17.8	0.895	1.879	7.5	17.5
10 18	1 37.52	− 1 1.5	0.905	1.893	5.6	17.4
10 28	1 29.23	− 1 25.9	0.938	1.908	9.1	17.7
11 7	1 22.69	− 1 25.7	0.992	1.925	13.9	18.0
11 17	1 18.89	− 1 0.3	1.065	1.943	18.2	18.3
11 27	1 18.31	− 0 11.9	1.155	1.963	21.7	18.6

204444 2004 XG_{108} 10 19.2 358°.63 0°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.44	+10 42.5	0.996	1.906	17.9	18.3
9 28	1 52.69	+10 55.7	0.943	1.899	12.9	18.0
10 8	1 46.02	+10 56.6	0.909	1.895	7.1	17.7
10 18	1 37.55	+10 48.7	0.896	1.892	1.0	17.3
10 28	1 28.90	+10 37.9	0.906	1.892	5.4	17.6
11 7	1 21.77	+10 31.2	0.939	1.894	11.3	17.9
11 17	1 17.39	+10 34.6	0.991	1.898	16.5	18.3
11 27	1 16.48	+10 52.3	1.062	1.904	20.8	18.6

177030 2003 BT_{90} 10 19.2 291°.27 0°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.22	+ 8 46.9	1.870	2.748	12.4	20.2
9 28	1 54.39	+ 8 34.1	1.791	2.733	8.8	19.9
10 8	1 46.61	+ 8 14.2	1.735	2.718	4.8	19.7
10 18	1 37.61	+ 7 50.5	1.707	2.703	0.8	19.4
10 28	1 28.39	+ 7 27.4	1.708	2.688	4.3	19.6
11 7	1 20.01	+ 7 9.8	1.736	2.674	8.5	19.8
11 17	1 13.34	+ 7 1.6	1.789	2.659	12.4	20.0
11 27	1 9.03	+ 7 5.8	1.865	2.644	15.6	20.2

103173 1999 XS_{233} 10 19.2 27°.91 5°.1/16.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.08	+ 3 42.1	0.803	1.729	19.0	17.6
9 28	1 52.89	+ 2 29.5	0.785	1.750	13.2	17.4
10 8	1 45.86	+ 1 14.9	0.785	1.772	7.6	17.2
10 18	1 37.49	+ 0 10.4	0.807	1.797	5.3	17.1
10 28	1 29.60	− 0 32.8	0.849	1.823	9.1	17.5
11 7	1 23.71	− 0 48.6	0.913	1.851	14.1	17.8
11 17	1 20.71	− 0 36.5	0.995	1.879	18.6	18.2
11 27	1 20.96	+ 0 0.7	1.093	1.909	22.1	18.6

371429 2006 SY_{157} 10 19.2 247°.69 0°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.52	+12 37.7	1.477	2.351	15.3	21.0
9 28	1 57.83	+12 40.7	1.408	2.346	11.1	20.8
10 8	1 48.62	+12 31.8	1.362	2.342	6.3	20.5
10 18	1 37.85	+12 13.3	1.341	2.337	1.3	20.2
10 28	1 26.88	+11 49.8	1.348	2.331	4.5	20.4
11 7	1 17.11	+11 27.5	1.381	2.326	9.5	20.7
11 17	1 9.66	+11 12.1	1.438	2.321	14.0	20.9
11 27	1 5.23	+11 8.3	1.517	2.316	17.8	21.2

520568 2014 NM_{69} 10 19.2 184°.42 4°.7/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.67	+26 17.1	2.224	3.034	13.2	21.1
9 28	1 53.82	+26 21.0	2.147	3.034	10.5	20.9
10 8	1 46.22	+26 6.6	2.092	3.034	7.6	20.8
10 18	1 37.58	+25 33.9	2.063	3.033	5.2	20.6
10 28	1 28.83	+24 45.7	2.063	3.033	4.9	20.6
11 7	1 20.93	+23 47.2	2.091	3.032	7.0	20.7
11 17	1 14.65	+22 44.8	2.145	3.031	9.9	20.9
11 27	1 10.54	+21 45.5	2.224	3.030	12.6	21.1

74907 1999 TB_{136} 10 19.2 212°.15 1°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.88	+14 44.6	1.686	2.547	14.4	19.7
9 28	1 57.88	+14 46.9	1.612	2.543	10.5	19.4
10 8	1 48.58	+14 36.4	1.562	2.538	6.2	19.2
10 18	1 37.86	+14 14.7	1.538	2.532	1.9	18.9
10 28	1 26.94	+13 45.8	1.543	2.526	4.1	19.0
11 7	1 17.09	+13 15.6	1.575	2.520	8.6	19.3
11 17	1 9.34	+12 50.1	1.633	2.513	12.8	19.5
11 27	1 4.36	+12 34.3	1.713	2.505	16.3	19.7

203241 2001 OQ_{17} 10 19.2 157°.80 10°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.05	−24 24.7	2.287	3.123	12.0	20.3
9 28	1 53.81	−25 55.7	2.264	3.129	10.9	20.2
10 8	1 46.07	−27 7.7	2.265	3.134	10.6	20.2
10 18	1 37.56	−27 54.3	2.290	3.139	11.1	20.3
10 28	1 29.15	−28 11.7	2.338	3.144	12.3	20.4
11 7	1 21.70	−27 59.6	2.408	3.148	13.8	20.5
11 17	1 15.84	−27 20.5	2.496	3.151	15.2	20.6
11 27	1 12.00	−26 18.4	2.600	3.154	16.4	20.8

291115 2005 YU_{179} 10 19.2 91°.55 4°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.61	+ 3 10.3	1.258	2.154	15.9	20.2
9 28	1 57.66	+ 2 11.1	1.221	2.171	11.1	20.0
10 8	1 48.33	+ 1 9.3	1.206	2.188	6.4	19.8
10 18	1 37.80	+ 0 13.3	1.216	2.205	4.3	19.7
10 28	1 27.55	− 0 28.5	1.253	2.221	7.6	20.0
11 7	1 18.91	− 0 50.4	1.314	2.237	12.0	20.3
11 17	1 12.82	− 0 50.3	1.397	2.253	16.0	20.6
11 27	1 9.74	− 0 28.7	1.499	2.269	19.3	20.8

437396 2013 WL_{63} 10 19.2 237°.94 10°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.12	−17 12.7	1.805	2.665	13.6	21.2
9 28	1 59.22	−18 7.5	1.749	2.653	11.5	21.0
10 8	1 49.18	−18 46.1	1.716	2.640	10.2	20.9
10 18	1 37.92	−19 0.4	1.709	2.627	10.5	20.9
10 28	1 26.62	−18 45.2	1.727	2.613	12.1	21.0
11 7	1 16.49	−17 59.6	1.769	2.599	14.5	21.1
11 17	1 8.45	−16 46.5	1.834	2.584	17.0	21.3
11 27	1 3.07	−15 10.8	1.915	2.569	19.2	21.4

95509 2002 ER_{50} 10 19.2 308°.50 0°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.00	+10 58.7	2.000	2.876	11.8	19.7
9 28	1 51.93	+10 24.0	1.929	2.870	8.4	19.5
10 8	1 45.19	+ 9 40.1	1.882	2.864	4.5	19.3
10 18	1 37.47	+ 8 50.7	1.863	2.859	0.6	18.9
10 28	1 29.67	+ 8 1.2	1.872	2.853	3.8	19.2
11 7	1 22.68	+ 7 17.1	1.909	2.848	7.8	19.4
11 17	1 17.24	+ 6 43.1	1.972	2.843	11.4	19.6
11 27	1 13.89	+ 6 22.5	2.057	2.837	14.4	19.8

449816 2014 OT_{362} 10 19.2 344°.55 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.04	+ 7 29.2	1.809	2.696	12.3	20.7
9 28	1 52.07	+ 6 55.7	1.744	2.691	8.6	20.4
10 8	1 45.31	+ 6 15.5	1.703	2.687	4.6	20.2
10 18	1 37.50	+ 5 33.4	1.688	2.683	1.6	20.0
10 28	1 29.61	+ 4 54.9	1.701	2.679	4.7	20.2
11 7	1 22.63	+ 4 25.4	1.741	2.676	8.8	20.4
11 17	1 17.33	+ 4 8.7	1.806	2.673	12.4	20.7
11 27	1 14.27	+ 4 7.2	1.892	2.671	15.5	20.9

72003 2000 XP_{2} 10 19.2 206°.89 3°.8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.73	+19 48.7	1.471	2.324	16.5	19.6
9 28	1 58.07	+20 4.4	1.402	2.323	12.6	19.3
10 8	1 48.80	+20 1.0	1.354	2.321	8.2	19.1
10 18	1 37.90	+19 38.6	1.332	2.319	4.3	18.8
10 28	1 26.80	+19 1.1	1.336	2.317	5.1	18.9
11 7	1 16.97	+18 15.7	1.367	2.315	9.3	19.1
11 17	1 9.55	+17 30.9	1.422	2.313	13.6	19.4
11 27	1 5.27	+16 54.2	1.498	2.310	17.3	19.6

124087 2001 HY_{15} 10 19.2 84°.81 2°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.69	+ 3 14.8	2.304	3.188	10.1	19.9
9 28	1 51.37	+ 2 26.9	2.256	3.201	7.1	19.7
10 8	1 44.74	+ 1 37.1	2.233	3.214	4.1	19.5
10 18	1 37.43	+ 0 50.2	2.239	3.227	2.7	19.5
10 28	1 30.19	+ 0 10.7	2.274	3.240	4.9	19.7
11 7	1 23.73	− 0 17.6	2.337	3.253	7.9	19.9
11 17	1 18.64	− 0 32.3	2.426	3.266	10.7	20.1
11 27	1 15.32	− 0 32.6	2.537	3.278	13.0	20.3

511720 2015 CM_{58} 10 19.2 72°.30 9°.0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.82	−12 12.6	1.599	2.480	13.9	20.3
9 28	1 56.56	−13 20.9	1.583	2.509	11.1	20.2
10 8	1 47.52	−14 14.0	1.591	2.537	9.2	20.1
10 18	1 37.72	−14 44.7	1.624	2.565	9.2	20.2
10 28	1 28.34	−14 48.7	1.683	2.593	11.0	20.4
11 7	1 20.39	−14 25.6	1.765	2.620	13.4	20.6
11 17	1 14.56	−13 38.5	1.869	2.647	15.7	20.8
11 27	1 11.22	−12 31.5	1.991	2.674	17.7	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491994 2013 EC_{89}		10 19.2 247°.43	0°.5/18.3 18			
	h m	° ′			°	m
9 18	1 49.95	+ 8 27.3	4.553	5.420	5.9	21.7
9 28	1 46.23	+ 8 2.2	4.480	5.418	4.1	21.6
10 8	1 41.86	+ 7 34.1	4.434	5.416	2.2	21.5
10 18	1 37.12	+ 7 4.9	4.418	5.413	0.5	21.3
10 28	1 32.36	+ 6 36.4	4.433	5.411	2.1	21.4
11 7	1 27.91	+ 6 10.8	4.478	5.408	4.0	21.6
11 17	1 24.09	+ 5 49.9	4.552	5.406	5.8	21.7
11 27	1 21.15	+ 5 35.0	4.651	5.403	7.3	21.8
52864 1998 SR_{21}		10 19.2 290°.97	0°.5/19.7 18			
9 18	1 58.68	+14 55.2	1.476	2.354	15.1	18.5
9 28	1 53.63	+14 5.1	1.406	2.346	11.0	18.3
10 8	1 46.32	+12 57.2	1.359	2.339	6.2	18.0
10 18	1 37.63	+11 36.5	1.337	2.332	1.1	17.6
10 28	1 28.80	+10 11.3	1.341	2.325	4.5	17.9
11 7	1 21.10	+ 8 51.3	1.373	2.319	9.5	18.1
11 17	1 15.51	+ 7 45.0	1.428	2.312	14.0	18.4
11 27	1 12.68	+ 6 58.1	1.504	2.305	17.8	18.6
447493 2006 RG_{71}		10 19.2 156°.40	2°.9/21.6 18			
9 18	2 2.24	+18 58.1	2.058	2.900	12.9	21.0
9 28	1 55.67	+19 11.1	1.987	2.902	9.7	20.8
10 8	1 47.25	+19 10.4	1.940	2.905	6.2	20.6
10 18	1 37.74	+18 56.8	1.920	2.907	3.2	20.5
10 28	1 28.11	+18 33.0	1.929	2.909	3.9	20.5
11 7	1 19.40	+18 3.7	1.967	2.911	7.2	20.7
11 17	1 12.40	+17 34.2	2.031	2.913	10.5	20.9
11 27	1 7.71	+17 9.7	2.119	2.915	13.5	21.1
449762 2014 OT_{65}		10 19.2 243°.96	2°.1/21.3 18			
9 18	1 59.57	+18 6.3	2.289	3.133	11.7	21.2
9 28	1 53.71	+18 0.4	2.203	3.122	8.8	21.0
10 8	1 46.18	+17 42.0	2.142	3.110	5.5	20.8
10 18	1 37.62	+17 12.2	2.108	3.098	2.5	20.5
10 28	1 28.88	+16 34.2	2.104	3.086	3.4	20.6
11 7	1 20.85	+15 52.8	2.128	3.073	6.7	20.8
11 17	1 14.29	+15 13.1	2.180	3.060	10.0	21.0
11 27	1 9.76	+14 40.0	2.256	3.047	12.9	21.1
228182 2009 TQ_{16}		10 19.2 1°.49	0°.4/19.5 18			
9 18	1 55.39	+13 37.1	1.038	1.941	17.9	19.8
9 28	1 51.83	+13 2.3	0.986	1.938	12.9	19.5
10 8	1 45.51	+12 8.2	0.952	1.937	7.2	19.2
10 18	1 37.55	+11 1.1	0.941	1.937	1.0	18.8
10 28	1 29.51	+ 9 50.9	0.953	1.938	5.3	19.1
11 7	1 22.95	+ 8 49.0	0.988	1.942	11.2	19.4
11 17	1 19.01	+ 8 4.0	1.044	1.946	16.3	19.7
11 27	1 18.33	+ 7 41.3	1.117	1.952	20.5	20.0
38824 2000 RG_{91}		10 19.2 29°.45	1°.8/20.4 18			
9 18	2 1.12	+15 49.9	1.139	2.024	18.0	18.7
9 28	1 55.73	+15 34.9	1.087	2.029	13.2	18.5
10 8	1 47.56	+15 0.2	1.055	2.035	7.7	18.2
10 18	1 37.78	+14 9.8	1.047	2.041	2.3	17.9
10 28	1 28.00	+13 11.5	1.063	2.048	4.9	18.1
11 7	1 19.80	+12 15.3	1.103	2.056	10.4	18.4
11 17	1 14.31	+11 30.0	1.165	2.063	15.3	18.7
11 27	1 12.14	+11 1.8	1.247	2.072	19.4	19.0
14552 1997 UX_{20}		10 19.2 358°.11	0°.6/18.7 18			
9 18	1 56.40	+ 9 53.6	1.932	2.813	11.9	17.9
9 28	1 51.53	+ 9 26.7	1.867	2.811	8.4	17.7
10 8	1 44.99	+ 8 51.9	1.827	2.810	4.5	17.4
10 18	1 37.49	+ 8 12.9	1.813	2.809	0.7	17.2
10 28	1 29.94	+ 7 34.7	1.828	2.809	4.0	17.4
11 7	1 23.23	+ 7 2.4	1.870	2.809	7.9	17.7
11 17	1 18.12	+ 6 40.2	1.937	2.810	11.4	17.9
11 27	1 15.10	+ 6 31.0	2.026	2.811	14.4	18.1
76237 2000 EO_{81}		10 19.2 282°.05	0°.2/19.4 18			
9 18	2 0.53	+11 38.8	1.819	2.692	12.9	19.5
9 28	1 54.63	+11 27.8	1.746	2.684	9.3	19.3
10 8	1 46.77	+11 7.0	1.696	2.677	5.1	19.0
10 18	1 37.70	+10 39.5	1.673	2.669	0.7	18.7
10 28	1 28.48	+10 9.6	1.679	2.662	3.9	18.9
11 7	1 20.18	+ 9 42.6	1.712	2.655	8.3	19.2
11 17	1 13.67	+ 9 23.4	1.771	2.647	12.1	19.4
11 27	1 9.57	+ 9 15.6	1.852	2.640	15.4	19.6
356238 2009 SY_{353}		10 19.2 51°.08	2°.5/15.4 18			
9 18	1 52.75	− 2 8.1	3.948	4.825	6.4	20.3
9 28	1 48.23	− 2 27.9	3.892	4.831	4.6	20.2
10 8	1 42.95	− 2 46.2	3.865	4.837	3.0	20.1
10 18	1 37.26	− 3 0.6	3.867	4.844	2.6	20.0
10 28	1 31.59	− 3 9.1	3.899	4.850	3.8	20.1
11 7	1 26.33	− 3 10.1	3.960	4.856	5.5	20.3
11 17	1 21.83	− 3 2.7	4.049	4.862	7.3	20.4
11 27	1 18.39	− 2 46.5	4.161	4.869	8.8	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4333 Sinton		10 19.2 47°.95	3°.4/16.9 18			
	h m	° ′			°	m
9 18	2 0.70	+ 6 4.5	1.096	2.002	16.9	16.2
9 28	1 55.19	+ 4 58.5	1.060	2.015	11.8	16.0
10 8	1 47.12	+ 3 45.5	1.044	2.030	6.5	15.7
10 18	1 37.72	+ 2 34.7	1.053	2.045	3.5	15.6
10 28	1 28.57	+ 1 36.7	1.086	2.061	7.3	15.9
11 7	1 21.08	+ 0 59.1	1.142	2.076	12.3	16.2
11 17	1 16.22	+ 0 45.4	1.220	2.093	16.7	16.5
11 27	1 14.46	+ 0 55.9	1.315	2.109	20.2	16.8
24596 3574 T_{-3}		10 19.2 325°.25	1°.8/17.3 18			
9 18	1 55.09	+ 8 2.0	2.031	2.915	11.3	18.8
9 28	1 50.53	+ 6 55.7	1.964	2.910	7.9	18.5
10 8	1 44.43	+ 5 41.6	1.922	2.906	4.2	18.3
10 18	1 37.43	+ 4 25.4	1.908	2.902	1.8	18.1
10 28	1 30.39	+ 3 13.5	1.923	2.897	4.7	18.3
11 7	1 24.14	+ 2 12.3	1.966	2.894	8.4	18.6
11 17	1 19.35	+ 1 26.3	2.034	2.890	11.7	18.8
11 27	1 16.53	+ 0 58.0	2.124	2.886	14.5	19.0
476972 2008 YB_{21}		10 19.3 354°.33	2°.3/20.9 18			
9 18	1 56.46	+16 50.4	1.236	2.120	17.0	20.2
9 28	1 52.40	+16 41.6	1.173	2.114	12.6	19.9
10 8	1 45.79	+16 13.2	1.131	2.109	7.6	19.6
10 18	1 37.60	+15 28.1	1.112	2.105	2.9	19.3
10 28	1 29.25	+14 32.9	1.117	2.103	4.7	19.5
11 7	1 22.17	+13 36.8	1.147	2.102	9.8	19.7
11 17	1 17.48	+12 48.7	1.199	2.102	14.6	20.0
11 27	1 15.86	+12 15.6	1.270	2.103	18.6	20.3
360895 2005 SJ_{145}		10 19.3 76°.57	1°.6/17.8 18			
9 18	1 58.22	+ 7 25.6	1.955	2.837	11.7	20.8
9 28	1 52.68	+ 6 44.5	1.902	2.847	8.2	20.6
10 8	1 45.55	+ 5 57.5	1.874	2.857	4.4	20.4
10 18	1 37.56	+ 5 9.4	1.873	2.867	1.6	20.3
10 28	1 29.62	+ 4 25.7	1.901	2.877	4.5	20.5
11 7	1 22.61	+ 3 51.2	1.956	2.887	8.2	20.7
11 17	1 17.23	+ 3 29.5	2.037	2.897	11.5	21.0
11 27	1 13.92	+ 3 22.5	2.140	2.907	14.3	21.2
356263 2009 VO_{21}		10 19.3 27°.15	1°.4/16.7 18			
9 18	1 50.50	+ 3 38.1	4.219	5.096	6.1	20.5
9 28	1 46.65	+ 3 10.4	4.155	5.098	4.2	20.4
10 8	1 42.10	+ 2 41.6	4.118	5.099	2.4	20.3
10 18	1 37.18	+ 2 13.8	4.111	5.101	1.5	20.2
10 28	1 32.23	+ 1 49.2	4.135	5.102	2.8	20.3
11 7	1 27.65	+ 1 29.7	4.188	5.104	4.7	20.5
11 17	1 23.74	+ 1 17.0	4.269	5.106	6.5	20.6
11 27	1 20.78	+ 1 12.1	4.374	5.107	8.0	20.7
496946 2001 XV_{14}		10 19.3 329°.36	19°.3/ 4.6 17			
9 18	2 0.26	+47 10.4	1.036	1.789	28.3	20.5
9 28	1 56.96	+48 51.7	0.970	1.777	26.1	20.3
10 8	1 49.17	+49 45.5	0.914	1.766	23.7	20.1
10 18	1 38.04	+49 38.2	0.871	1.755	21.4	19.9
10 28	1 26.06	+48 21.8	0.844	1.746	19.7	19.7
11 7	1 16.18	+46 1.4	0.833	1.738	19.3	19.7
11 17	1 10.59	+42 53.8	0.840	1.730	20.5	19.7
11 27	1 10.34	+39 24.1	0.864	1.724	22.8	19.9
164381 2005 EC_{168}		10 19.3 297°.64	2°.0/17.4 18			
9 18	1 56.96	+ 8 34.2	1.640	2.529	13.2	20.0
9 28	1 52.31	+ 7 26.4	1.560	2.508	9.3	19.7
10 8	1 45.61	+ 6 7.0	1.503	2.488	5.0	19.4
10 18	1 37.59	+ 4 42.3	1.473	2.467	2.1	19.1
10 28	1 29.33	+ 3 21.0	1.471	2.447	5.6	19.3
11 7	1 21.95	+ 2 11.7	1.495	2.427	10.2	19.6
11 17	1 16.39	+ 1 20.7	1.543	2.407	14.4	19.8
11 27	1 13.33	+ 0 51.8	1.611	2.387	17.9	20.0
123562 2000 XU_{34}		10 19.3 191°.87	1°.5/17.4 18			
9 18	1 57.74	+ 5 4.4	3.132	4.002	8.2	20.2
9 28	1 51.93	+ 4 37.4	3.060	3.999	5.7	20.0
10 8	1 45.03	+ 4 7.9	3.016	3.997	3.1	19.8
10 18	1 37.51	+ 3 38.5	3.001	3.993	1.5	19.7
10 28	1 29.96	+ 3 12.5	3.018	3.989	3.4	19.8
11 7	1 22.95	+ 2 52.5	3.065	3.985	6.0	20.0
11 17	1 16.97	+ 2 40.7	3.140	3.980	8.5	20.2
11 27	1 12.41	+ 2 38.6	3.239	3.974	10.5	20.3
393380 2000 AJ_{213}		10 19.3 216°.31	1°.1/20.3 18			
9 18	1 59.87	+15 12.0	2.087	2.945	12.1	22.0
9 28	1 53.97	+14 52.0	2.011	2.940	8.9	21.8
10 8	1 46.34	+14 20.1	1.959	2.934	5.1	21.5
10 18	1 37.67	+13 38.6	1.934	2.929	1.5	21.3
10 28	1 28.89	+12 52.1	1.939	2.923	3.4	21.4
11 7	1 20.93	+12 5.8	1.973	2.916	7.2	21.6
11 17	1 14.56	+11 25.3	2.033	2.910	10.8	21.8
11 27	1 10.35	+10 54.8	2.116	2.903	13.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
127197 2002 *HO*		10 19.3 140°.60		2°.2/17.0 18		
	h m	° ′			°	m
9 18	1 59.49	+ 6 5.2	2.078	2.957	11.3	20.2
9 28	1 53.49	+ 5 5.2	2.024	2.968	7.9	20.1
10 8	1 45.96	+ 4 0.2	1.996	2.978	4.3	19.9
10 18	1 37.62	+ 2 55.7	1.996	2.988	2.3	19.7
10 28	1 29.34	+ 1 57.6	2.026	2.997	4.9	19.9
11 7	1 21.97	+ 1 11.1	2.084	3.005	8.4	20.2
11 17	1 16.17	+ 0 39.5	2.168	3.013	11.5	20.4
11 27	1 12.40	+ 0 24.5	2.274	3.021	14.1	20.6
449831 2014 QN_{36}		10 19.3 330°.11		2°.2/21.3 17		
9 18	1 57.08	+18 7.6	1.880	2.738	13.3	21.2
9 28	1 52.19	+17 53.6	1.804	2.730	9.9	21.0
10 8	1 45.45	+17 24.3	1.751	2.722	6.1	20.8
10 18	1 37.58	+16 41.9	1.724	2.715	2.6	20.5
10 28	1 29.56	+15 50.6	1.724	2.708	3.7	20.6
11 7	1 22.40	+14 56.9	1.753	2.702	7.5	20.8
11 17	1 16.94	+14 7.0	1.807	2.695	11.3	21.0
11 27	1 13.76	+13 26.8	1.883	2.690	14.5	21.2
286831 2002 NH_{10}		10 19.3 101°.75		6°.9/26.7 18		
9 18	2 2.45	+33 1.5	1.992	2.767	15.7	20.7
9 28	1 55.93	+33 7.1	1.930	2.784	13.0	20.5
10 8	1 47.41	+32 47.4	1.889	2.801	10.1	20.4
10 18	1 37.80	+32 1.8	1.871	2.818	7.8	20.3
10 28	1 28.26	+30 53.5	1.881	2.834	7.0	20.3
11 7	1 19.88	+29 29.5	1.918	2.850	8.2	20.4
11 17	1 13.52	+27 58.4	1.982	2.866	10.7	20.5
11 27	1 9.70	+26 29.5	2.070	2.881	13.2	20.7
194983 2002 *BK*		10 19.3 95°.29		0°.4/19.6 18		R
9 18	2 2.54	+12 37.9	1.722	2.591	13.7	19.7
9 28	1 55.91	+12 19.4	1.671	2.607	9.8	19.5
10 8	1 47.37	+11 50.1	1.643	2.623	5.4	19.3
10 18	1 37.81	+11 13.3	1.643	2.638	0.8	19.0
10 28	1 28.34	+10 34.3	1.671	2.654	3.9	19.3
11 7	1 20.06	+ 9 59.1	1.726	2.669	8.2	19.6
11 17	1 13.74	+ 9 32.5	1.808	2.683	12.0	19.9
11 27	1 9.91	+ 9 18.1	1.911	2.698	15.1	20.1
39654 1995 *UP*		10 19.3 27°.51		2°.8/21.2 18		
9 18	1 58.03	+18 44.0	1.035	1.922	19.3	17.9
9 28	1 53.62	+18 19.5	0.992	1.933	14.3	17.6
10 8	1 46.43	+17 29.8	0.968	1.946	8.7	17.4
10 18	1 37.70	+16 19.9	0.967	1.959	3.5	17.1
10 28	1 29.12	+14 59.6	0.988	1.974	5.0	17.3
11 7	1 22.22	+13 41.2	1.034	1.990	10.3	17.6
11 17	1 18.07	+12 35.2	1.100	2.007	15.3	18.0
11 27	1 17.20	+11 48.7	1.186	2.025	19.3	18.3
124058 2001 FH_{164}		10 19.3 215°.91		0°.2/19.5 18		
9 18	1 57.32	+12 28.1	2.436	3.299	10.4	20.2
9 28	1 51.94	+12 3.6	2.361	3.295	7.4	20.0
10 8	1 45.16	+11 30.7	2.313	3.292	4.1	19.8
10 18	1 37.57	+10 52.0	2.292	3.288	0.6	19.5
10 28	1 29.90	+10 11.4	2.302	3.285	3.1	19.7
11 7	1 22.92	+ 9 33.5	2.341	3.281	6.5	19.9
11 17	1 17.25	+ 9 2.0	2.407	3.277	9.6	20.1
11 27	1 13.36	+ 8 40.3	2.497	3.272	12.2	20.3
317136 2001 UC_{97}		10 19.3 21°.40		1°.0/18.7 17		
9 18	1 56.28	+12 2.7	0.853	1.767	19.5	19.5
9 28	1 52.63	+11 4.6	0.816	1.775	13.8	19.2
10 8	1 45.98	+ 9 47.6	0.797	1.784	7.4	18.9
10 18	1 37.66	+ 8 21.4	0.799	1.795	1.1	18.5
10 28	1 29.51	+ 6 59.7	0.823	1.807	6.4	19.0
11 7	1 23.19	+ 5 54.9	0.869	1.821	12.5	19.3
11 17	1 19.80	+ 5 14.8	0.934	1.836	17.8	19.7
11 27	1 19.86	+ 5 2.2	1.016	1.852	22.0	20.0
76249 2000 EV_{87}		10 19.3 315°.19		5°.3/13.9 18		
9 18	1 54.51	+ 2 6.6	1.533	2.436	13.1	18.5
9 28	1 50.63	+ 0 7.8	1.463	2.417	9.4	18.3
10 8	1 44.72	− 1 58.3	1.417	2.397	6.1	18.0
10 18	1 37.54	− 4 1.1	1.398	2.378	5.7	18.0
10 28	1 30.16	− 5 48.7	1.406	2.360	8.8	18.1
11 7	1 23.71	− 7 11.6	1.439	2.341	12.8	18.3
11 17	1 19.10	− 8 4.6	1.493	2.324	16.6	18.5
11 27	1 16.97	− 8 26.5	1.566	2.307	19.7	18.7
209687 2005 EB_{22}		10 19.3 244°.55		5°.5/23.5 18		
9 18	2 3.61	+25 15.2	1.886	2.704	14.9	20.4
9 28	1 57.02	+25 50.1	1.807	2.700	11.9	20.2
10 8	1 48.19	+26 6.2	1.752	2.696	8.6	20.0
10 18	1 37.94	+26 2.0	1.721	2.692	6.0	19.8
10 28	1 27.43	+25 38.8	1.718	2.687	5.9	19.8
11 7	1 17.88	+25 1.7	1.743	2.683	8.3	19.9
11 17	1 10.30	+24 17.7	1.793	2.679	11.5	20.1
11 27	1 5.40	+23 34.5	1.867	2.674	14.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
299646 2006 KG_{84}		10 19.3 76°.17		2°.3/21.7 18		
	h m	° ′			°	m
9 18	1 58.09	+21 9.3	1.722	2.572	14.7	20.2
9 28	1 52.83	+20 7.0	1.664	2.585	10.9	20.0
10 8	1 45.72	+18 44.0	1.629	2.598	6.8	19.7
10 18	1 37.63	+17 4.8	1.621	2.612	2.9	19.5
10 28	1 29.66	+15 17.4	1.641	2.625	3.8	19.6
11 7	1 22.81	+13 31.7	1.689	2.638	7.7	19.9
11 17	1 17.86	+11 56.2	1.764	2.652	11.6	20.2
11 27	1 15.27	+10 37.6	1.862	2.665	14.8	20.4
450526 2006 BK_{76}		10 19.3 352°.07		6°.1/13.9 17		
9 18	1 56.40	− 4 24.0	1.750	2.646	12.1	20.4
9 28	1 51.62	− 5 27.6	1.697	2.642	9.0	20.2
10 8	1 45.09	− 6 27.1	1.669	2.639	6.6	20.0
10 18	1 37.57	− 7 15.2	1.667	2.636	6.3	20.0
10 28	1 30.03	− 7 45.6	1.691	2.634	8.5	20.1
11 7	1 23.44	− 7 54.5	1.739	2.632	11.6	20.3
11 17	1 18.55	− 7 41.0	1.811	2.631	14.5	20.5
11 27	1 15.88	− 7 6.2	1.901	2.630	17.1	20.7
447918 2007 YN_{49}		10 19.3 229°.94		4°.8/14.5 18		
9 18	1 58.82	− 2 59.5	2.192	3.077	10.5	21.7
9 28	1 53.09	− 3 56.0	2.128	3.069	7.7	21.5
10 8	1 45.82	− 4 50.4	2.090	3.060	5.4	21.4
10 18	1 37.66	− 5 37.2	2.079	3.052	4.9	21.3
10 28	1 29.44	− 6 11.0	2.097	3.042	6.9	21.4
11 7	1 21.98	− 6 28.1	2.142	3.033	9.8	21.6
11 17	1 15.98	− 6 27.1	2.212	3.023	12.5	21.8
11 27	1 11.92	− 6 7.9	2.302	3.013	14.9	21.9
326522 2002 NS_{64}		10 19.3 45°.91		2°.0/20.5 17		
9 18	2 3.53	+16 0.6	1.051	1.937	19.1	19.8
9 28	1 57.24	+15 49.5	1.021	1.963	13.9	19.6
10 8	1 48.25	+15 18.4	1.010	1.989	8.0	19.4
10 18	1 37.92	+14 32.1	1.022	2.016	2.5	19.1
10 28	1 27.99	+13 39.0	1.058	2.043	4.9	19.4
11 7	1 19.98	+12 49.0	1.118	2.071	10.3	19.8
11 17	1 14.85	+12 10.1	1.201	2.100	14.9	20.1
11 27	1 13.04	+11 47.4	1.303	2.128	18.7	20.5
357236 2002 KX_{3}		10 19.3 104°.37		7°.9/ 8.7 18		
9 18	1 57.41	−18 9.0	2.685	3.541	9.8	21.3
9 28	1 51.73	−19 39.4	2.671	3.564	8.4	21.3
10 8	1 44.91	−20 56.3	2.684	3.587	7.9	21.3
10 18	1 37.55	−21 54.6	2.723	3.610	8.3	21.3
10 28	1 30.33	−22 30.8	2.788	3.632	9.5	21.5
11 7	1 23.88	−22 43.7	2.877	3.653	10.9	21.6
11 17	1 18.71	−22 34.6	2.987	3.674	12.3	21.7
11 27	1 15.16	−22 5.9	3.115	3.695	13.5	21.9
284843 2009 BO_{82}		10 19.3 312°.61		8°.6/12.6 18		
9 18	2 0.04	− 9 34.0	1.543	2.436	13.7	19.7
9 28	1 54.51	−10 41.3	1.485	2.421	10.8	19.5
10 8	1 46.81	−11 39.2	1.450	2.406	8.9	19.3
10 18	1 37.79	−12 18.8	1.439	2.392	9.0	19.3
10 28	1 28.66	−12 32.6	1.453	2.378	11.2	19.4
11 7	1 20.61	−12 17.6	1.490	2.365	14.3	19.5
11 17	1 14.59	−11 34.3	1.548	2.351	17.4	19.7
11 27	1 11.22	−10 25.9	1.623	2.339	20.1	19.9
9991 Anežka		10 19.3 193°.15		0°.7/18.5 18		
9 18	1 56.48	+ 9 18.4	2.833	3.700	9.0	19.0
9 28	1 51.17	+ 8 47.2	2.760	3.698	6.3	18.8
10 8	1 44.69	+ 8 10.4	2.715	3.696	3.4	18.6
10 18	1 37.54	+ 7 30.9	2.698	3.694	0.7	18.4
10 28	1 30.35	+ 6 52.4	2.712	3.691	3.1	18.6
11 7	1 23.75	+ 6 18.3	2.756	3.688	6.1	18.8
11 17	1 18.25	+ 5 51.8	2.828	3.685	8.8	19.0
11 27	1 14.29	+ 5 35.1	2.923	3.681	11.1	19.1
339191 2004 TB_{184}		10 19.3 308°.99		1°.5/20.9 18		
9 18	1 55.79	+16 15.7	2.787	3.636	9.7	20.3
9 28	1 50.85	+16 14.3	2.695	3.617	7.2	20.1
10 8	1 44.60	+16 3.9	2.628	3.600	4.4	19.9
10 18	1 37.54	+15 45.6	2.590	3.582	1.8	19.7
10 28	1 30.32	+15 22.0	2.581	3.564	2.7	19.7
11 7	1 23.60	+14 56.4	2.602	3.547	5.7	19.9
11 17	1 18.00	+14 32.3	2.650	3.529	8.5	20.0
11 27	1 13.99	+14 13.2	2.723	3.512	11.0	20.2
360073 2013 AL_{131}		10 19.3 181°.55		3°.5/12.2 18		
9 18	1 49.96	− 8 59.4	4.608	5.482	5.6	20.6
9 28	1 46.26	− 9 42.7	4.557	5.482	4.4	20.5
10 8	1 41.91	−10 22.3	4.533	5.482	3.6	20.4
10 18	1 37.23	−10 55.7	4.538	5.482	3.7	20.4
10 28	1 32.53	−11 20.7	4.573	5.482	4.6	20.5
11 7	1 28.17	−11 35.9	4.635	5.482	5.8	20.6
11 17	1 24.42	−11 40.5	4.722	5.482	7.1	20.7
11 27	1 21.55	−11 34.4	4.832	5.482	8.3	20.8

161135 2002 RB_{116} 10 19.3 82°.47 2°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.33	+ 7 0.4	1.416	2.303	15.0	19.8
9 28	1 57.28	+ 6 16.4	1.380	2.327	10.5	19.6
10 8	1 48.12	+ 5 26.2	1.367	2.351	5.6	19.4
10 18	1 37.93	+ 4 35.9	1.380	2.374	2.2	19.2
10 28	1 28.03	+ 3 52.9	1.421	2.397	5.7	19.5
11 7	1 19.63	+ 3 23.0	1.488	2.420	10.1	19.8
11 17	1 13.55	+ 3 9.7	1.578	2.442	14.1	20.1
11 27	1 10.24	+ 3 14.1	1.689	2.464	17.2	20.4

213647 2002 RY_{116} 10 19.3 82°.87 6°.0/24.6 18

9 18	2 3.74	+27 50.1	1.837	2.644	15.6	20.4
9 28	1 56.91	+28 11.2	1.781	2.664	12.5	20.2
10 8	1 48.00	+28 10.1	1.747	2.683	9.3	20.1
10 18	1 37.94	+27 46.0	1.738	2.702	6.6	20.0
10 28	1 27.92	+27 2.0	1.756	2.721	6.1	20.0
11 7	1 19.12	+26 4.7	1.801	2.740	8.2	20.1
11 17	1 12.42	+25 2.1	1.872	2.759	11.1	20.4
11 27	1 8.36	+24 2.3	1.966	2.777	13.8	20.6

453469 2009 SX_{161} 10 19.3 31°.07 0°.7/19.9 18

9 18	1 56.61	+14 24.4	1.666	2.542	13.8	20.4
9 28	1 51.81	+13 48.7	1.615	2.554	9.9	20.2
10 8	1 45.20	+12 59.7	1.588	2.568	5.5	20.0
10 18	1 37.62	+12 1.9	1.586	2.582	1.1	19.7
10 28	1 30.11	+11 1.7	1.612	2.597	3.8	20.0
11 7	1 23.67	+10 6.1	1.665	2.612	8.1	20.3
11 17	1 19.06	+ 9 21.0	1.743	2.628	11.8	20.5
11 27	1 16.76	+ 8 50.3	1.843	2.644	15.0	20.8

20954 1158 $T\text{-}_3$ 10 19.3 159°.49 3°.2/23.1 18

9 18	1 57.54	+23 39.2	2.561	3.379	11.4	18.8
9 28	1 52.10	+23 19.7	2.486	3.383	8.8	18.6
10 8	1 45.26	+22 45.0	2.434	3.387	6.0	18.5
10 18	1 37.63	+21 56.3	2.411	3.390	3.6	18.3
10 28	1 29.97	+20 57.1	2.416	3.393	3.6	18.3
11 7	1 23.04	+19 52.5	2.451	3.396	5.9	18.5
11 17	1 17.45	+18 47.9	2.515	3.399	8.7	18.7
11 27	1 13.67	+17 48.7	2.603	3.401	11.2	18.8

310378 1994 EM_8 10 19.3 315°.64 1°.1/18.3 18

9 18	1 57.42	+ 9 33.9	1.795	2.678	12.6	20.9
9 28	1 52.43	+ 8 50.7	1.726	2.671	8.9	20.6
10 8	1 45.60	+ 7 58.2	1.680	2.664	4.8	20.4
10 18	1 37.69	+ 7 1.3	1.662	2.657	1.1	20.1
10 28	1 29.67	+ 6 6.1	1.671	2.651	4.5	20.3
11 7	1 22.55	+ 5 19.1	1.708	2.645	8.7	20.6
11 17	1 17.14	+ 4 45.3	1.770	2.639	12.5	20.8
11 27	1 14.01	+ 4 27.8	1.853	2.633	15.7	21.0

346605 2008 WR_{46} 10 19.3 131°.73 6°.5/14.6 18

9 18	2 3.86	− 7 12.4	1.803	2.684	12.6	20.6
9 28	1 56.78	− 7 49.6	1.754	2.689	9.5	20.4
10 8	1 47.86	− 8 19.0	1.730	2.693	7.1	20.3
10 18	1 37.94	− 8 34.5	1.733	2.698	6.6	20.3
10 28	1 28.12	− 8 31.6	1.764	2.702	8.6	20.4
11 7	1 19.41	− 8 8.4	1.820	2.706	11.5	20.6
11 17	1 12.62	− 7 25.5	1.900	2.710	14.4	20.8
11 27	1 8.24	− 6 25.3	2.000	2.713	16.8	21.0

305263 2007 YQ_{29} 10 19.3 310°.47 0°.1/19.4 18

9 18	1 57.89	+12 54.2	1.860	2.733	12.7	21.1
9 28	1 52.70	+12 15.9	1.792	2.730	9.1	20.9
10 8	1 45.73	+11 25.9	1.747	2.728	5.0	20.6
10 18	1 37.71	+10 28.2	1.730	2.726	0.6	20.3
10 28	1 29.62	+ 9 28.7	1.741	2.724	3.8	20.5
11 7	1 22.44	+ 8 33.9	1.779	2.721	8.0	20.8
11 17	1 16.96	+ 7 49.3	1.844	2.719	11.8	21.0
11 27	1 13.70	+ 7 19.2	1.930	2.717	14.9	21.2

356137 2009 FQ_{60} 10 19.3 303°.44 1°.6/17.7 18

9 18	1 55.96	+10 40.2	1.621	2.508	13.4	21.0
9 28	1 51.70	+ 9 18.3	1.536	2.484	9.6	20.7
10 8	1 45.36	+ 7 40.7	1.475	2.459	5.1	20.4
10 18	1 37.68	+ 5 54.2	1.440	2.435	1.6	20.1
10 28	1 29.73	+ 4 8.5	1.433	2.411	5.5	20.3
11 7	1 22.63	+ 2 33.8	1.453	2.387	10.2	20.6
11 17	1 17.35	+ 1 18.4	1.497	2.363	14.6	20.8
11 27	1 14.57	+ 0 27.2	1.561	2.340	18.2	21.0

50057 2000 AO_{66} 10 19.3 177°.77 8°.4/10.5 18

9 18	1 59.25	−13 58.2	2.094	2.968	11.4	18.6
9 28	1 53.40	−15 21.8	2.054	2.969	9.5	18.5
10 8	1 45.99	−16 33.7	2.038	2.970	8.4	18.4
10 18	1 37.74	−17 26.9	2.048	2.970	8.8	18.4
10 28	1 29.53	−17 56.2	2.085	2.970	10.4	18.5
11 7	1 22.23	−17 59.4	2.145	2.970	12.5	18.7
11 17	1 16.51	−17 37.5	2.227	2.970	14.6	18.8
11 27	1 12.83	−16 53.2	2.326	2.969	16.4	19.0

209790 2005 GJ_{21} 10 19.3 315°.99 0°.6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.58	+13 20.4	1.728	2.601	13.5	20.0
9 28	1 54.06	+13 2.0	1.659	2.596	9.8	19.8
10 8	1 46.54	+12 31.7	1.612	2.592	5.5	19.6
10 18	1 37.81	+11 52.4	1.592	2.588	1.0	19.2
10 28	1 28.97	+11 9.4	1.600	2.584	3.9	19.4
11 7	1 21.10	+10 29.0	1.635	2.580	8.3	19.7
11 17	1 15.09	+ 9 56.7	1.696	2.577	12.3	19.9
11 27	1 11.54	+ 9 37.0	1.777	2.573	15.7	20.2

358519 2007 RE_{309} 10 19.3 231°.45 0°.9/20.9 18

9 18	1 51.09	+15 57.8	4.391	5.233	6.5	21.4
9 28	1 47.12	+15 43.9	4.312	5.232	4.8	21.3
10 8	1 42.43	+15 24.1	4.260	5.231	2.8	21.1
10 18	1 37.33	+14 59.7	4.238	5.230	1.1	21.0
10 28	1 32.20	+14 32.6	4.246	5.229	1.8	21.1
11 7	1 27.42	+14 5.0	4.285	5.228	3.7	21.2
11 17	1 23.30	+13 38.9	4.353	5.227	5.6	21.3
11 27	1 20.15	+13 16.4	4.448	5.226	7.2	21.5

47097 1999 AE_{26} 10 19.3 180°.07 0°.4/18.8 18

9 18	1 57.27	+10 3.6	2.483	3.352	10.0	19.1
9 28	1 51.88	+ 9 39.3	2.414	3.352	7.1	18.9
10 8	1 45.15	+ 9 8.5	2.371	3.352	3.8	18.7
10 18	1 37.66	+ 8 34.1	2.356	3.352	0.5	18.4
10 28	1 30.12	+ 8 0.0	2.371	3.352	3.2	18.6
11 7	1 23.26	+ 7 30.1	2.416	3.352	6.6	18.8
11 17	1 17.69	+ 7 7.7	2.487	3.352	9.5	19.0
11 27	1 13.84	+ 6 55.4	2.583	3.351	12.1	19.2

378609 2008 ES_{164} 10 19.3 163°.43 3°.9/22.2 17

9 18	2 3.89	+21 4.6	1.596	2.441	15.8	20.8
9 28	1 57.33	+21 10.9	1.528	2.444	12.1	20.6
10 8	1 48.41	+20 57.6	1.483	2.446	8.0	20.4
10 18	1 38.05	+20 25.4	1.462	2.448	4.4	20.2
10 28	1 27.56	+19 38.3	1.469	2.449	4.9	20.2
11 7	1 18.27	+18 43.7	1.502	2.450	8.6	20.4
11 17	1 11.22	+17 49.7	1.561	2.451	12.6	20.7
11 27	1 7.06	+17 4.0	1.642	2.452	16.1	20.9

354261 2002 QS_{140} 10 19.3 357°.50 8°.2/25.5 17

9 18	1 58.40	+29 13.7	1.373	2.201	18.8	20.5
9 28	1 53.93	+29 53.8	1.306	2.197	15.5	20.2
10 8	1 46.77	+30 5.9	1.257	2.194	12.0	20.0
10 18	1 37.87	+29 46.9	1.230	2.192	9.0	19.9
10 28	1 28.71	+28 59.1	1.227	2.192	8.3	19.8
11 7	1 20.83	+27 50.2	1.247	2.192	10.4	19.9
11 17	1 15.44	+26 31.1	1.290	2.194	13.7	20.1
11 27	1 13.30	+25 13.8	1.355	2.196	17.2	20.4

2433 Sootiyo 10 19.3 102°.68 1°.6/17.7 18 R

9 18	1 59.69	+ 9 11.8	1.905	2.782	12.2	15.9
9 28	1 53.70	+ 7 59.3	1.860	2.803	8.5	15.7
10 8	1 46.13	+ 6 39.0	1.841	2.824	4.5	15.5
10 18	1 37.77	+ 5 17.1	1.849	2.844	1.6	15.3
10 28	1 29.57	+ 4 0.8	1.888	2.863	4.6	15.6
11 7	1 22.41	+ 2 56.3	1.954	2.882	8.4	15.8
11 17	1 16.96	+ 2 8.0	2.047	2.901	11.7	16.1
11 27	1 13.63	+ 1 38.0	2.161	2.919	14.4	16.3

315985 2009 CE_{65} 10 19.3 128°.08 0°.8/19.9 17

9 18	2 3.68	+15 3.9	1.611	2.475	14.7	21.2
9 28	1 56.88	+14 24.0	1.556	2.490	10.6	21.0
10 8	1 47.99	+13 29.1	1.525	2.503	6.0	20.8
10 18	1 37.99	+12 23.6	1.521	2.516	1.3	20.5
10 28	1 28.10	+11 14.6	1.545	2.529	4.1	20.7
11 7	1 19.48	+10 10.0	1.597	2.541	8.6	21.0
11 17	1 13.00	+ 9 16.6	1.674	2.552	12.7	21.3
11 27	1 9.17	+ 8 39.1	1.773	2.562	16.0	21.6

180616 2004 FQ_{118} 10 19.3 230°.14 0°.8/18.4 18

9 18	1 57.19	+10 59.2	2.252	3.123	10.9	20.9
9 28	1 51.99	+ 9 59.2	2.174	3.114	7.7	20.7
10 8	1 45.28	+ 8 49.4	2.122	3.104	4.1	20.5
10 18	1 37.69	+ 7 34.3	2.099	3.095	0.8	20.2
10 28	1 30.00	+ 6 19.9	2.106	3.085	3.8	20.4
11 7	1 23.04	+ 5 12.1	2.142	3.074	7.5	20.6
11 17	1 17.46	+ 4 16.0	2.204	3.064	10.8	20.8
11 27	1 13.78	+ 3 35.1	2.290	3.052	13.6	21.0

220955 2005 LO_{48} 10 19.3 78°.57 1°.3/18.3 17

9 18	2 2.77	+ 9 28.5	1.414	2.299	15.1	20.4
9 28	1 56.28	+ 8 42.5	1.373	2.320	10.6	20.2
10 8	1 47.65	+ 7 47.1	1.356	2.340	5.6	20.0
10 18	1 37.95	+ 6 48.4	1.364	2.360	1.3	19.7
10 28	1 28.47	+ 5 54.2	1.400	2.380	5.2	20.0
11 7	1 20.42	+ 5 11.4	1.462	2.400	9.8	20.4
11 17	1 14.65	+ 4 44.7	1.548	2.419	13.9	20.7
11 27	1 11.62	+ 4 36.1	1.654	2.439	17.1	20.9

117414 2005 AG_{14} 10 19.3 273°.54 4°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.35	+21 50.1	1.815	2.649	14.7	20.0
9 28	1 57.72	+22 25.7	1.728	2.635	11.5	19.8
10 8	1 48.71	+22 45.1	1.665	2.621	8.0	19.6
10 18	1 38.12	+22 46.8	1.627	2.607	5.0	19.4
10 28	1 27.12	+22 32.2	1.617	2.593	5.3	19.3
11 7	1 17.01	+22 5.8	1.635	2.579	8.5	19.5
11 17	1 8.89	+21 34.2	1.679	2.564	12.1	19.7
11 27	1 3.53	+21 4.7	1.744	2.550	15.5	19.9

451358 2010 WX_{66} 10 19.3 241°.87 1°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.28	+ 5 51.3	2.319	3.197	10.3	21.4
9 28	1 52.70	+ 5 22.4	2.247	3.190	7.3	21.2
10 8	1 45.66	+ 4 49.4	2.201	3.184	4.0	21.0
10 18	1 37.75	+ 4 16.0	2.184	3.177	1.7	20.8
10 28	1 29.75	+ 3 46.4	2.196	3.170	4.2	21.0
11 7	1 22.47	+ 3 24.6	2.236	3.163	7.6	21.2
11 17	1 16.55	+ 3 13.4	2.303	3.156	10.7	21.4
11 27	1 12.48	+ 3 14.7	2.393	3.149	13.3	21.6

447221 2005 UO_5 10 19.3 269°.68 41°.2/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	3 5.60	−42 7.4	0.401	1.252	44.4	20.9
9 28	2 50.95	−43 46.6	0.355	1.232	43.1	20.6
10 8	2 23.03	−44 11.7	0.313	1.210	41.8	20.2
10 18	1 42.56	−42 6.0	0.277	1.188	41.2	19.9
10 28	0 56.98	−36 7.8	0.250	1.164	42.4	19.7
11 7	0 16.86	−26 7.0	0.237	1.140	46.3	19.6
11 17	23 47.95	−13 38.0	0.239	1.116	52.5	19.8
11 27	23 30.27	− 0 55.0	0.254	1.092	59.3	20.0

262542 2006 VU_6 10 19.3 342°.37 1°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.21	+14 26.6	1.018	1.919	18.3	19.6
9 28	1 52.74	+14 16.6	0.954	1.905	13.5	19.3
10 8	1 46.29	+13 46.9	0.909	1.892	7.8	18.9
10 18	1 37.87	+13 1.0	0.885	1.880	2.0	18.5
10 28	1 29.10	+12 6.9	0.884	1.870	5.3	18.7
11 7	1 21.73	+11 15.2	0.905	1.862	11.4	19.0
11 17	1 17.11	+10 35.7	0.947	1.856	16.9	19.3
11 27	1 16.05	+10 15.4	1.006	1.851	21.5	19.6

487866 2015 TK_{117} 10 19.3 15°.62 12°.8/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.30	−20 20.8	1.431	2.310	15.4	19.5
9 28	1 52.45	−21 45.1	1.413	2.318	13.6	19.5
10 8	1 45.59	−22 45.1	1.415	2.328	12.8	19.4
10 18	1 37.74	−23 12.3	1.439	2.340	13.3	19.5
10 28	1 30.13	−23 2.3	1.485	2.352	14.9	19.6
11 7	1 23.86	−22 16.2	1.550	2.366	16.9	19.8
11 17	1 19.69	−20 58.6	1.633	2.381	18.8	20.0
11 27	1 18.04	−19 16.1	1.731	2.397	20.6	20.2

247981 2004 CT_{16} 10 19.3 64°.41 2°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.95	+19 16.5	1.801	2.650	14.1	19.9
9 28	1 54.95	+19 18.6	1.739	2.659	10.6	19.7
10 8	1 47.00	+19 4.9	1.700	2.667	6.8	19.5
10 18	1 37.92	+18 36.6	1.687	2.676	3.4	19.3
10 28	1 28.82	+17 57.8	1.702	2.684	4.1	19.4
11 7	1 20.77	+17 14.5	1.745	2.693	7.6	19.6
11 17	1 14.62	+16 33.1	1.813	2.702	11.3	19.8
11 27	1 10.92	+15 59.3	1.904	2.710	14.4	20.1

75462 1999 XB_{156} 10 19.3 230°.32 3°.7/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.18	+24 22.6	2.106	2.929	13.3	19.6
9 28	1 53.63	+23 56.4	2.020	2.920	10.4	19.4
10 8	1 46.28	+23 10.4	1.958	2.912	7.2	19.2
10 18	1 37.85	+22 5.9	1.922	2.902	4.3	19.0
10 28	1 29.27	+20 47.1	1.915	2.893	4.2	19.0
11 7	1 21.54	+19 21.1	1.936	2.883	7.1	19.2
11 17	1 15.46	+17 55.5	1.985	2.873	10.5	19.3
11 27	1 11.59	+16 37.9	2.059	2.863	13.5	19.5

478783 2012 US_{135} 10 19.3 1°.04 3°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.01	+19 1.6	1.390	2.256	16.5	19.8
9 28	1 54.82	+19 9.9	1.326	2.255	12.5	19.5
10 8	1 47.14	+18 59.1	1.283	2.254	8.0	19.3
10 18	1 37.95	+18 30.1	1.264	2.254	4.0	19.0
10 28	1 28.61	+17 47.8	1.271	2.254	4.8	19.1
11 7	1 20.50	+16 59.9	1.303	2.256	9.2	19.4
11 17	1 14.72	+16 14.7	1.359	2.258	13.5	19.6
11 27	1 11.94	+15 39.4	1.436	2.261	17.3	19.9

437314 2013 JA_{15} 10 19.3 325°.95 0°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 50.06	+13 22.9	4.334	5.188	6.4	21.1
9 28	1 46.41	+12 50.3	4.258	5.188	4.6	21.0
10 8	1 42.07	+12 12.4	4.210	5.188	2.5	20.9
10 18	1 37.35	+11 31.0	4.192	5.187	0.5	20.7
10 28	1 32.60	+10 48.5	4.204	5.187	1.8	20.8
11 7	1 28.20	+10 7.4	4.247	5.187	3.9	21.0
11 17	1 24.47	+ 9 29.9	4.319	5.186	5.8	21.1
11 27	1 21.66	+ 8 58.1	4.417	5.186	7.4	21.2

88154 2000 XJ_6 10 19.3 27°.27 1°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.47	+14 8.8	1.789	2.654	13.5	18.8
9 28	1 55.31	+14 22.8	1.727	2.660	9.8	18.6
10 8	1 47.20	+14 26.0	1.689	2.666	5.7	18.3
10 18	1 37.95	+14 19.8	1.678	2.672	1.8	18.1
10 28	1 28.64	+14 7.6	1.695	2.679	3.7	18.2
11 7	1 20.37	+13 53.9	1.739	2.686	7.8	18.5
11 17	1 13.96	+13 43.4	1.809	2.693	11.5	18.7
11 27	1 10.00	+13 40.1	1.902	2.701	14.7	19.0

43993 Mariola 10 19.3 43°.93 8°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.70	+31 34.3	1.483	2.289	18.8	17.8
9 28	1 56.60	+32 8.0	1.437	2.311	15.5	17.7
10 8	1 48.01	+32 12.0	1.409	2.333	12.0	17.5
10 18	1 38.04	+31 44.9	1.403	2.356	9.2	17.4
10 28	1 28.17	+30 50.0	1.422	2.380	8.3	17.4
11 7	1 19.83	+29 36.0	1.466	2.404	9.8	17.6
11 17	1 14.00	+28 13.8	1.535	2.428	12.6	17.8
11 27	1 11.24	+26 54.0	1.625	2.453	15.4	18.1

124195 2001 OZ_{72} 10 19.3 40°.45 5°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.05	+ 2 42.1	1.023	1.936	17.2	18.9
9 28	1 54.63	+ 1 16.8	1.005	1.963	12.0	18.7
10 8	1 46.79	− 0 8.4	1.008	1.991	7.1	18.5
10 18	1 37.87	− 1 22.5	1.034	2.020	5.4	18.5
10 28	1 29.43	− 2 15.4	1.083	2.050	8.8	18.8
11 7	1 22.79	− 2 41.7	1.156	2.081	13.2	19.2
11 17	1 18.75	− 2 40.8	1.248	2.112	17.1	19.5
11 27	1 17.67	− 2 15.1	1.359	2.143	20.2	19.8

128729 2004 RC_{144} 10 19.3 329°.66 3°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.51	+ 2 14.4	1.792	2.688	11.9	19.0
9 28	1 51.09	+ 1 9.4	1.726	2.677	8.5	18.8
10 8	1 44.92	+ 0 1.2	1.684	2.665	5.1	18.6
10 18	1 37.70	− 1 3.5	1.669	2.655	4.0	18.5
10 28	1 30.37	− 1 57.6	1.682	2.645	6.7	18.6
11 7	1 23.89	− 2 35.2	1.720	2.635	10.3	18.8
11 17	1 19.04	− 2 53.2	1.782	2.626	13.7	19.0
11 27	1 16.36	− 2 50.4	1.863	2.617	16.6	19.2

127319 2002 JB_{99} 10 19.3 70°.11 7°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.45	−13 20.8	2.096	2.972	11.3	19.2
9 28	1 52.78	−14 27.9	2.063	2.982	9.2	19.1
10 8	1 45.65	−15 23.3	2.054	2.991	8.0	19.0
10 18	1 37.77	−16 0.7	2.072	3.001	8.3	19.0
10 28	1 30.01	−16 15.8	2.116	3.011	9.8	19.2
11 7	1 23.18	−16 7.2	2.184	3.022	11.8	19.3
11 17	1 17.90	−15 35.9	2.274	3.032	13.9	19.5
11 27	1 14.60	−14 44.7	2.382	3.042	15.7	19.7

226468 2003 SK_{160} 10 19.3 330°.09 0°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.42	+13 8.6	1.920	2.794	12.3	19.5
9 28	1 50.99	+12 28.2	1.844	2.784	8.8	19.3
10 8	1 44.86	+11 35.9	1.793	2.774	4.9	19.0
10 18	1 37.70	+10 35.5	1.769	2.765	0.6	18.7
10 28	1 30.41	+ 9 32.8	1.773	2.756	3.7	18.9
11 7	1 23.92	+ 8 34.4	1.804	2.747	7.8	19.1
11 17	1 19.01	+ 7 46.0	1.861	2.739	11.5	19.3
11 27	1 16.21	+ 7 11.8	1.940	2.732	14.7	19.5

436537 2011 GW_3 10 19.3 180°.42 1°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.31	+ 8 14.5	1.791	2.672	12.7	21.9
9 28	1 54.44	+ 7 17.3	1.728	2.673	8.9	21.6
10 8	1 46.71	+ 6 11.7	1.690	2.673	4.8	21.4
10 18	1 37.92	+ 5 3.5	1.679	2.673	1.8	21.2
10 28	1 29.10	+ 3 59.7	1.697	2.673	5.0	21.4
11 7	1 21.27	+ 3 6.8	1.742	2.672	9.1	21.7
11 17	1 15.24	+ 2 29.6	1.813	2.671	12.8	21.9
11 27	1 11.55	+ 2 10.6	1.905	2.670	15.9	22.1

151392 2002 EJ_{78} 10 19.3 145°.39 0°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.06	+11 32.7	2.414	3.279	10.4	20.5
9 28	1 52.47	+11 6.5	2.349	3.284	7.4	20.3
10 8	1 45.51	+10 32.7	2.309	3.289	4.0	20.1
10 18	1 37.78	+ 9 54.2	2.298	3.294	0.5	19.8
10 28	1 30.03	+ 9 14.9	2.316	3.298	3.1	20.0
11 7	1 23.02	+ 8 39.1	2.364	3.303	6.5	20.3
11 17	1 17.35	+ 8 10.6	2.439	3.306	9.6	20.5
11 27	1 13.46	+ 7 52.2	2.538	3.310	12.2	20.7

260440 2004 XS_{137} 10 19.3 276°.52 4°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.37	+25 34.0	2.357	3.169	12.4	20.2
9 28	1 52.98	+25 39.5	2.271	3.160	9.9	20.0
10 8	1 45.93	+25 28.3	2.208	3.152	7.1	19.8
10 18	1 37.85	+25 0.2	2.172	3.143	4.9	19.7
10 28	1 29.60	+24 17.8	2.163	3.134	4.6	19.7
11 7	1 22.06	+23 25.5	2.183	3.126	6.7	19.8
11 17	1 16.00	+22 29.3	2.230	3.117	9.5	19.9
11 27	1 11.96	+21 35.3	2.302	3.108	12.2	20.1

41057 1999 VU_{22} 10 19.3 327°.47 2°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 55.20	+ 6 28.7	1.923	2.812	11.6	18.9
9 28	1 50.76	+ 5 17.2	1.857	2.805	8.1	18.7
10 8	1 44.71	+ 3 58.8	1.815	2.799	4.5	18.4
10 18	1 37.70	+ 2 39.5	1.801	2.793	2.5	18.3
10 28	1 30.63	+ 1 26.7	1.816	2.787	5.4	18.5
11 7	1 24.36	+ 0 26.7	1.857	2.781	9.1	18.7
11 17	1 19.63	− 0 16.1	1.924	2.776	12.5	18.9
11 27	1 16.94	− 0 39.2	2.011	2.771	15.3	19.1

518812 2010 CC_{46} 10 19.3 359°.85 7°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.22	−11 26.7	2.218	3.099	10.6	20.7
9 28	1 51.24	−12 43.6	2.175	3.099	8.5	20.5
10 8	1 44.87	−13 51.5	2.156	3.099	7.3	20.5
10 18	1 37.72	−14 44.0	2.164	3.099	7.6	20.5
10 28	1 30.59	−15 16.1	2.198	3.099	9.2	20.6
11 7	1 24.25	−15 25.5	2.257	3.099	11.3	20.7
11 17	1 19.30	−15 12.0	2.339	3.099	13.5	20.9
11 27	1 16.20	−14 37.7	2.438	3.100	15.3	21.0

324287 2006 DO 10 19.3 259°.09 2°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.46	+19 50.7	2.273	3.115	11.8	20.7
9 28	1 51.53	+19 16.8	2.195	3.112	8.9	20.5
10 8	1 45.08	+18 28.0	2.141	3.108	5.6	20.3
10 18	1 37.76	+17 26.5	2.115	3.104	2.6	20.1
10 28	1 30.36	+16 16.9	2.118	3.101	3.2	20.1
11 7	1 23.71	+15 5.3	2.150	3.097	6.5	20.3
11 17	1 18.48	+13 57.7	2.209	3.093	9.7	20.5
11 27	1 15.16	+12 59.5	2.292	3.089	12.5	20.7

443095 2013 HB_{18} 10 19.3 283°.25 3°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.39	+ 2 32.8	1.968	2.859	11.3	20.2
9 28	1 51.60	+ 1 17.0	1.900	2.848	8.0	20.0
10 8	1 45.17	− 0 2.5	1.858	2.838	4.8	19.8
10 18	1 37.77	− 1 19.2	1.843	2.827	3.9	19.7
10 28	1 30.27	− 2 25.8	1.856	2.816	6.4	19.9
11 7	1 23.56	− 3 16.5	1.896	2.806	9.8	20.1
11 17	1 18.36	− 3 47.8	1.961	2.795	13.0	20.3
11 27	1 15.22	− 3 58.4	2.046	2.785	15.8	20.4

301829 2011 QG_{8} 10 19.3 107°.74 6°.7/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.17	− 6 6.1	1.878	2.767	11.8	21.1
9 28	1 53.38	− 7 50.4	1.846	2.784	9.0	21.0
10 8	1 46.02	− 9 28.0	1.840	2.800	7.0	20.9
10 18	1 37.86	−10 50.8	1.861	2.816	7.1	20.9
10 28	1 29.84	−11 51.8	1.910	2.832	9.1	21.1
11 7	1 22.86	−12 27.6	1.983	2.847	11.7	21.3
11 17	1 17.57	−12 37.8	2.079	2.862	14.2	21.5
11 27	1 14.39	−12 24.4	2.194	2.876	16.3	21.7

214621 2006 RQ_{76} 10 19.3 354°.52 1°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.41	+ 9 12.0	1.675	2.559	13.2	20.5
9 28	1 53.24	+ 8 37.9	1.612	2.558	9.3	20.3
10 8	1 46.13	+ 7 55.2	1.572	2.556	5.0	20.0
10 18	1 37.88	+ 7 8.4	1.559	2.555	1.1	19.8
10 28	1 29.57	+ 6 23.8	1.574	2.554	4.6	20.0
11 7	1 22.27	+ 5 47.4	1.615	2.554	9.0	20.3
11 17	1 16.80	+ 5 23.9	1.681	2.554	12.9	20.5
11 27	1 13.74	+ 5 16.2	1.768	2.554	16.1	20.7

34206 Zhiyuewang 10 19.3 7°.64 1°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.63	+ 8 19.9	1.848	2.730	12.3	19.2
9 28	1 53.23	+ 7 49.8	1.785	2.730	8.7	18.9
10 8	1 46.06	+ 7 12.7	1.747	2.731	4.6	18.7
10 18	1 37.88	+ 6 32.8	1.736	2.731	1.2	18.5
10 28	1 29.64	+ 5 55.6	1.753	2.732	4.4	18.7
11 7	1 22.34	+ 5 26.2	1.797	2.733	8.4	18.9
11 17	1 16.73	+ 5 8.4	1.867	2.735	12.0	19.2
11 27	1 13.35	+ 5 4.9	1.958	2.736	15.1	19.4

513607 2011 GV_{42} 10 19.3 272°.01 0°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.85	+10 20.4	1.542	2.423	14.4	22.2
9 28	1 56.01	+ 9 52.8	1.465	2.408	10.3	21.9
10 8	1 47.81	+ 9 14.1	1.411	2.394	5.6	21.6
10 18	1 38.10	+ 8 28.5	1.383	2.379	0.8	21.2
10 28	1 28.12	+ 7 42.3	1.382	2.364	4.8	21.5
11 7	1 19.15	+ 7 2.8	1.408	2.349	9.8	21.7
11 17	1 12.27	+ 6 35.8	1.458	2.334	14.3	22.0
11 27	1 8.21	+ 6 25.4	1.528	2.319	18.1	22.2

12935 Zhengzhemin 10 19.3 106°.25 0°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.68	+ 9 7.6	1.485	2.366	14.8	18.8
9 28	1 57.76	+ 8 48.2	1.433	2.376	10.5	18.5
10 8	1 48.60	+ 8 20.3	1.404	2.387	5.6	18.3
10 18	1 38.18	+ 7 48.1	1.401	2.397	1.0	18.0
10 28	1 27.84	+ 7 17.5	1.426	2.407	4.9	18.3
11 7	1 18.83	+ 6 54.5	1.477	2.416	9.6	18.6
11 17	1 12.09	+ 6 43.5	1.553	2.426	13.7	18.9
11 27	1 8.17	+ 6 47.0	1.649	2.435	17.1	19.1

80416 1999 XN_{202} 10 19.3 252°.85 3°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.77	+19 50.5	1.552	2.404	15.9	19.6
9 28	1 57.44	+20 3.9	1.479	2.399	12.1	19.4
10 8	1 48.62	+19 59.1	1.427	2.393	7.9	19.1
10 18	1 38.21	+19 36.1	1.400	2.387	4.2	18.9
10 28	1 27.54	+18 58.7	1.400	2.381	4.9	18.9
11 7	1 18.01	+18 13.5	1.427	2.375	8.9	19.2
11 17	1 10.73	+17 28.5	1.478	2.369	13.1	19.4
11 27	1 6.42	+16 51.3	1.551	2.363	16.8	19.6

118672 2000 KS_{63} 10 19.3 165°.23 4°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.36	− 0 23.8	1.835	2.722	12.1	20.1
9 28	1 55.09	− 1 29.6	1.782	2.726	8.7	19.9
10 8	1 47.04	− 2 35.0	1.754	2.730	5.6	19.8
10 18	1 38.01	− 3 33.4	1.754	2.733	4.8	19.7
10 28	1 29.01	− 4 18.0	1.781	2.736	7.2	19.9
11 7	1 21.02	− 4 44.4	1.836	2.738	10.5	20.1
11 17	1 14.81	− 4 50.6	1.914	2.739	13.7	20.3
11 27	1 10.88	− 4 36.9	2.013	2.740	16.3	20.5

282730 2006 DB_{91} 10 19.3 56°.62 2°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.41	+ 6 23.2	1.437	2.330	14.5	20.0
9 28	1 54.53	+ 5 18.8	1.405	2.355	10.0	19.8
10 8	1 46.71	+ 4 9.1	1.397	2.381	5.4	19.7
10 18	1 37.96	+ 3 1.5	1.415	2.407	2.8	19.6
10 28	1 29.49	+ 2 4.1	1.460	2.433	6.0	19.8
11 7	1 22.39	+ 1 22.9	1.530	2.460	10.2	20.1
11 17	1 17.41	+ 1 1.1	1.624	2.486	13.9	20.4
11 27	1 14.96	+ 0 59.4	1.738	2.512	16.9	20.7

379584 2011 BO_{80} 10 19.3 210°.37 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.74	+12 39.0	1.758	2.626	13.5	21.6
9 28	1 56.34	+12 14.2	1.686	2.622	9.7	21.4
10 8	1 47.87	+11 37.6	1.637	2.617	5.4	21.1
10 18	1 38.14	+10 52.6	1.615	2.611	0.8	20.8
10 28	1 28.26	+10 4.8	1.622	2.605	4.0	21.0
11 7	1 19.39	+ 9 20.5	1.657	2.599	8.5	21.3
11 17	1 12.43	+ 8 45.4	1.717	2.591	12.6	21.5
11 27	1 8.01	+ 8 23.9	1.800	2.584	16.0	21.7

230931 2004 VF_{73} 10 19.3 277°.23 1°.4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.07	+ 8 46.6	2.444	3.319	10.0	20.6
9 28	1 51.24	+ 7 40.3	2.351	3.292	7.0	20.4
10 8	1 44.97	+ 6 25.4	2.283	3.266	3.8	20.1
10 18	1 37.79	+ 5 6.3	2.245	3.239	1.5	19.9
10 28	1 30.43	+ 3 48.8	2.238	3.212	4.1	20.1
11 7	1 23.63	+ 2 38.7	2.259	3.185	7.6	20.2
11 17	1 18.05	+ 1 41.0	2.307	3.157	10.8	20.4
11 27	1 14.22	+ 0 58.9	2.379	3.129	13.5	20.5

277522 2005 XD_{18} 10 19.3 5°.61 3°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.47	+ 5 30.2	1.107	2.017	16.4	19.6
9 28	1 53.19	+ 4 44.1	1.059	2.016	11.6	19.4
10 8	1 46.32	+ 3 51.0	1.031	2.017	6.4	19.1
10 18	1 37.95	+ 2 59.1	1.027	2.020	3.3	18.9
10 28	1 29.57	+ 2 17.7	1.046	2.023	7.2	19.2
11 7	1 22.63	+ 1 54.2	1.089	2.028	12.2	19.5
11 17	1 18.18	+ 1 52.5	1.152	2.034	16.8	19.7
11 27	1 16.82	+ 2 13.4	1.233	2.041	20.6	20.0

71012 1999 XH_{49} 10 19.3 306°.51 1°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.30	+15 34.6	1.666	2.534	14.1	19.3
9 28	1 54.03	+15 14.4	1.592	2.526	10.4	19.1
10 8	1 46.67	+14 39.3	1.541	2.518	6.1	18.8
10 18	1 38.00	+13 52.1	1.516	2.511	1.8	18.5
10 28	1 29.17	+12 58.4	1.519	2.503	3.9	18.7
11 7	1 21.31	+12 5.2	1.548	2.496	8.4	18.9
11 17	1 15.38	+11 19.3	1.603	2.489	12.6	19.2
11 27	1 12.00	+10 46.3	1.679	2.482	16.1	19.4

29108 1981 EG_{26} 10 19.3 262°.86 2°.8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.55	+18 53.9	2.042	2.886	12.9	19.2
9 28	1 55.45	+19 3.2	1.957	2.873	9.8	19.0
10 8	1 47.39	+18 58.6	1.895	2.861	6.3	18.8
10 18	1 38.10	+18 40.8	1.860	2.848	3.2	18.5
10 28	1 28.54	+18 12.4	1.854	2.835	3.9	18.6
11 7	1 19.77	+17 38.4	1.876	2.822	7.4	18.8
11 17	1 12.68	+17 4.2	1.925	2.809	10.9	18.9
11 27	1 7.90	+16 35.6	1.997	2.796	14.1	19.1

227228 2005 RA_{33} 10 19.3 350°.04 2°.6/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.68	+15 26.8	1.039	1.934	18.5	19.0
9 28	1 53.80	+15 43.7	0.977	1.924	13.8	18.7
10 8	1 46.91	+15 42.2	0.935	1.915	8.3	18.3
10 18	1 38.06	+15 23.7	0.914	1.908	3.1	18.0
10 28	1 28.88	+14 53.8	0.916	1.902	5.3	18.1
11 7	1 21.14	+14 21.2	0.940	1.898	10.9	18.4
11 17	1 16.18	+13 54.7	0.985	1.896	16.2	18.7
11 27	1 14.80	+13 41.5	1.049	1.895	20.7	19.0

220423 2003 SM_{284} 10 19.3 317°.46 1°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 55.79	+17 37.6	2.211	3.065	11.7	19.6
9 28	1 51.08	+16 54.0	2.137	3.062	8.6	19.4
10 8	1 44.87	+15 56.3	2.086	3.060	5.1	19.2
10 18	1 37.79	+14 47.8	2.064	3.057	1.8	18.9
10 28	1 30.66	+13 33.6	2.070	3.055	3.1	19.0
11 7	1 24.28	+12 20.1	2.106	3.052	6.7	19.2
11 17	1 19.32	+11 13.2	2.169	3.050	10.0	19.4
11 27	1 16.27	+10 17.8	2.255	3.048	12.9	19.6

202334 2005 EV_{96} 10 19.3 198°.97 3°.2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.24	+22 41.5	2.287	3.111	12.4	20.7
9 28	1 54.27	+22 23.9	2.205	3.108	9.5	20.5
10 8	1 46.63	+21 49.9	2.148	3.104	6.4	20.3
10 18	1 38.01	+21 0.5	2.117	3.100	3.7	20.1
10 28	1 29.28	+19 59.5	2.116	3.095	3.8	20.1
11 7	1 21.34	+18 52.5	2.145	3.090	6.6	20.3
11 17	1 14.94	+17 46.0	2.201	3.084	9.8	20.5
11 27	1 10.61	+16 46.0	2.281	3.078	12.6	20.7

18856 1999 RT_{116} 10 19.3 172°.49 1°.7/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.91	+17 47.2	2.169	3.014	12.2	18.3
9 28	1 54.70	+17 19.1	2.097	3.017	9.0	18.1
10 8	1 46.85	+16 37.1	2.050	3.020	5.4	17.9
10 18	1 38.04	+15 43.8	2.030	3.023	2.1	17.7
10 28	1 29.19	+14 43.8	2.041	3.024	3.3	17.8
11 7	1 21.20	+13 43.0	2.081	3.025	6.9	18.0
11 17	1 14.81	+12 47.3	2.148	3.026	10.3	18.2
11 27	1 10.52	+12 1.5	2.239	3.025	13.2	18.4

113041 2002 RS_{49} 10 19.3 22°.33 0°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.12	+ 9 9.8	1.729	2.608	13.2	19.6
9 28	1 55.13	+ 8 54.9	1.667	2.609	9.3	19.4
10 8	1 47.18	+ 8 32.3	1.628	2.611	5.0	19.2
10 18	1 38.09	+ 8 5.7	1.616	2.612	0.8	18.9
10 28	1 28.94	+ 7 40.0	1.632	2.614	4.3	19.1
11 7	1 20.81	+ 7 20.2	1.676	2.615	8.6	19.4
11 17	1 14.56	+ 7 10.4	1.744	2.617	12.5	19.6
11 27	1 10.75	+ 7 13.3	1.834	2.619	15.7	19.9

447718 2007 EX_{150} 10 19.3 281°.68 0°.3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.84	+10 47.3	2.108	2.979	11.5	21.8
9 28	1 53.39	+10 26.3	2.024	2.962	8.2	21.6
10 8	1 46.23	+ 9 56.8	1.964	2.946	4.5	21.3
10 18	1 37.98	+ 9 21.8	1.933	2.929	0.5	21.0
10 28	1 29.54	+ 8 45.7	1.930	2.912	3.7	21.2
11 7	1 21.80	+ 8 13.4	1.956	2.896	7.6	21.4
11 17	1 15.56	+ 7 49.2	2.008	2.879	11.2	21.6
11 27	1 11.40	+ 7 36.5	2.083	2.862	14.2	21.8

360085 2013 BJ_{33} 10 19.3 71°.86 3°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.17	+ 3 45.6	1.802	2.692	12.2	20.6
9 28	1 52.88	+ 2 42.2	1.748	2.697	8.5	20.4
10 8	1 45.89	+ 1 35.2	1.720	2.702	4.9	20.2
10 18	1 37.94	+ 0 31.2	1.718	2.706	3.4	20.1
10 28	1 30.01	− 0 23.2	1.745	2.711	6.1	20.2
11 7	1 23.06	− 1 2.4	1.798	2.716	9.7	20.5
11 17	1 17.81	− 1 23.4	1.875	2.721	13.0	20.7
11 27	1 14.75	− 1 25.1	1.973	2.726	15.8	20.9

480245 2015 HT_{33} 10 19.3 53°.34 2°.4/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.67	+ 5 47.6	1.348	2.240	15.3	20.8
9 28	1 56.92	+ 5 16.2	1.319	2.268	10.7	20.7
10 8	1 48.05	+ 4 40.3	1.312	2.296	5.7	20.5
10 18	1 38.19	+ 4 5.8	1.331	2.324	2.4	20.3
10 28	1 28.68	+ 3 39.1	1.377	2.353	5.8	20.6
11 7	1 20.73	+ 3 25.2	1.448	2.382	10.2	20.9
11 17	1 15.12	+ 3 26.5	1.543	2.411	14.1	21.3
11 27	1 12.27	+ 3 43.9	1.657	2.440	17.2	21.5

517523 2014 QW_{454} 10 19.3 70°.38 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.64	+10 1.1	2.211	3.087	10.8	21.4
9 28	1 50.88	+ 8 59.4	2.151	3.094	7.6	21.2
10 8	1 44.73	+ 7 49.7	2.117	3.100	4.0	21.0
10 18	1 37.83	+ 6 36.7	2.111	3.106	1.1	20.7
10 28	1 30.93	+ 5 26.4	2.135	3.113	3.9	21.0
11 7	1 24.81	+ 4 24.4	2.187	3.119	7.4	21.2
11 17	1 20.06	+ 3 35.1	2.265	3.125	10.5	21.4
11 27	1 17.13	+ 3 1.2	2.366	3.132	13.1	21.6

174093 2002 GA_{160} 10 19.3 153°.63 4°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.41	+ 1 46.0	1.486	2.376	14.3	20.3
9 28	1 57.62	+ 1 0.9	1.433	2.380	10.2	20.1
10 8	1 48.59	+ 0 14.4	1.403	2.384	6.0	19.9
10 18	1 38.29	− 0 26.7	1.400	2.387	4.2	19.8
10 28	1 28.03	− 0 55.5	1.424	2.390	7.2	20.0
11 7	1 19.04	− 1 7.1	1.473	2.393	11.3	20.2
11 17	1 12.28	− 0 59.3	1.546	2.395	15.1	20.5
11 27	1 8.31	− 0 32.2	1.638	2.397	18.3	20.7

22726 1998 SZ_{72} 10 19.3 52°.80 1°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.81	+ 7 54.4	1.981	2.862	11.7	18.2
9 28	1 52.50	+ 7 17.6	1.930	2.874	8.2	18.0
10 8	1 45.63	+ 6 34.9	1.903	2.886	4.3	17.8
10 18	1 37.94	+ 5 50.8	1.904	2.899	1.4	17.6
10 28	1 30.30	+ 5 10.2	1.934	2.912	4.3	17.8
11 7	1 23.57	+ 4 38.1	1.992	2.925	7.9	18.1
11 17	1 18.42	+ 4 17.8	2.075	2.938	11.2	18.3
11 27	1 15.30	+ 4 11.4	2.180	2.951	13.9	18.5

487361 2014 QH_{242} 10 19.3 5°.13 6°.5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.25	− 7 3.6	2.082	2.972	10.7	21.0
9 28	1 50.68	− 8 33.6	2.036	2.973	8.3	20.9
10 8	1 44.66	− 9 58.0	2.015	2.973	6.6	20.8
10 18	1 37.83	−11 9.6	2.021	2.973	6.8	20.8
10 28	1 31.00	−12 2.2	2.054	2.974	8.7	20.9
11 7	1 24.97	−12 32.3	2.112	2.975	11.2	21.1
11 17	1 20.37	−12 38.9	2.193	2.976	13.6	21.3
11 27	1 17.65	−12 23.2	2.293	2.978	15.6	21.4

421988 2014 QK_{306} 10 19.3 95°.80 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.00	+ 7 33.9	2.289	3.168	10.4	21.3
9 28	1 51.08	+ 6 32.5	2.232	3.176	7.2	21.1
10 8	1 44.83	+ 5 25.3	2.201	3.184	3.9	20.9
10 18	1 37.85	+ 4 17.2	2.199	3.192	1.7	20.7
10 28	1 30.90	+ 3 13.8	2.227	3.200	4.2	20.9
11 7	1 24.70	+ 2 20.2	2.283	3.208	7.5	21.2
11 17	1 19.84	+ 1 39.8	2.365	3.216	10.5	21.4
11 27	1 16.75	+ 1 14.8	2.470	3.224	12.9	21.6

293540 2007 HQ_{6} 10 19.3 84°.34 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.02	+10 13.5	2.207	3.080	10.9	21.1
9 28	1 51.87	+ 9 32.0	2.147	3.088	7.7	21.0
10 8	1 45.29	+ 8 43.0	2.113	3.095	4.1	20.7
10 18	1 37.92	+ 7 50.3	2.106	3.102	0.7	20.5
10 28	1 30.56	+ 6 58.9	2.129	3.109	3.6	20.7
11 7	1 23.99	+ 6 14.0	2.181	3.117	7.2	21.0
11 17	1 18.84	+ 5 39.3	2.259	3.124	10.3	21.2
11 27	1 15.55	+ 5 17.7	2.360	3.131	13.0	21.4

141823 2002 NS_{53} 10 19.3 157°.72 1°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.38	+15 24.1	1.662	2.524	14.5	20.7
9 28	1 56.84	+15 0.0	1.598	2.530	10.5	20.5
10 8	1 48.18	+14 21.1	1.558	2.534	6.1	20.3
10 18	1 38.28	+13 30.6	1.544	2.539	1.7	20.0
10 28	1 28.35	+12 34.6	1.558	2.542	3.9	20.2
11 7	1 19.56	+11 40.1	1.600	2.545	8.5	20.4
11 17	1 12.84	+10 53.9	1.668	2.548	12.5	20.7
11 27	1 8.76	+10 21.1	1.757	2.550	15.9	20.9

226524 2003 UQ_{96} 10 19.3 38°.75 0°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.20	+16 14.4	1.882	2.749	12.8	19.7
9 28	1 50.72	+14 21.6	1.824	2.760	9.1	19.5
10 8	1 44.69	+12 12.4	1.792	2.773	4.9	19.3
10 18	1 37.85	+ 9 54.3	1.789	2.786	0.5	19.0
10 28	1 31.10	+ 7 37.3	1.817	2.799	3.9	19.3
11 7	1 25.31	+ 5 31.4	1.874	2.812	8.0	19.6
11 17	1 21.12	+ 3 44.0	1.958	2.826	11.6	19.8
11 27	1 18.96	+ 2 19.6	2.065	2.840	14.5	20.1

155895 2001 FR_{108} 10 19.3 110°.44 2°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.72	+ 3 51.5	2.271	3.156	10.2	19.8
9 28	1 50.92	+ 2 41.3	2.213	3.159	7.1	19.6
10 8	1 44.77	+ 1 27.7	2.181	3.162	4.1	19.5
10 18	1 37.87	+ 0 16.4	2.178	3.166	3.0	19.4
10 28	1 30.97	− 0 46.8	2.205	3.169	5.2	19.6
11 7	1 24.80	− 1 37.2	2.259	3.172	8.3	19.8
11 17	1 19.96	− 2 11.6	2.339	3.175	11.1	19.9
11 27	1 16.88	− 2 28.7	2.441	3.178	13.5	20.1

452177 2015 RY_{88} 10 19.3 334°.97 1°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.14	+18 44.3	1.507	2.380	15.1	20.0
9 28	1 49.86	+17 24.8	1.427	2.363	11.2	19.7
10 8	1 44.51	+15 40.5	1.370	2.347	6.6	19.4
10 18	1 37.85	+13 37.0	1.337	2.332	1.8	19.1
10 28	1 31.01	+11 24.4	1.333	2.318	4.1	19.2
11 7	1 25.15	+ 9 15.4	1.355	2.305	9.1	19.5
11 17	1 21.20	+ 7 21.3	1.401	2.293	13.7	19.7
11 27	1 19.78	+ 5 50.4	1.469	2.282	17.6	19.9

396422 2014 EL_{31} 10 19.4 77°.85 0°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.99	+12 29.8	1.828	2.691	13.3	20.6
9 28	1 57.66	+12 38.4	1.780	2.712	9.6	20.4
10 8	1 48.47	+12 37.4	1.756	2.734	5.4	20.2
10 18	1 38.31	+12 28.9	1.759	2.755	1.2	20.0
10 28	1 28.27	+12 16.5	1.792	2.776	3.6	20.2
11 7	1 19.39	+12 4.5	1.854	2.797	7.7	20.5
11 17	1 12.46	+11 57.0	1.941	2.817	11.2	20.8
11 27	1 7.98	+11 57.4	2.051	2.838	14.2	21.0

228008 2007 RG_{157} 10 19.4 353°.50 0°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 51.83	+14 19.8	4.188	5.037	6.7	20.2
9 28	1 47.75	+14 8.6	4.111	5.036	4.9	20.1
10 8	1 42.91	+13 52.0	4.061	5.036	2.8	19.9
10 18	1 37.65	+13 31.4	4.041	5.035	0.8	19.8
10 28	1 32.35	+13 8.5	4.051	5.035	1.8	19.9
11 7	1 27.40	+12 45.7	4.092	5.034	3.9	20.0
11 17	1 23.16	+12 25.0	4.162	5.034	5.8	20.2
11 27	1 19.92	+12 8.4	4.257	5.034	7.5	20.3

108222 2001 HV_{34} 10 19.4 126°.73 1°.0/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.26	+15 34.4	1.800	2.658	13.7	20.8
9 28	1 56.51	+14 59.3	1.744	2.674	9.9	20.6
10 8	1 47.88	+14 10.3	1.713	2.689	5.7	20.4
10 18	1 38.25	+13 11.0	1.709	2.704	1.4	20.1
10 28	1 28.71	+12 7.7	1.734	2.717	3.7	20.3
11 7	1 20.32	+11 7.2	1.787	2.731	7.9	20.6
11 17	1 13.86	+10 15.8	1.867	2.743	11.6	20.9
11 27	1 9.83	+ 9 37.9	1.969	2.755	14.7	21.1

139193 2001 FV_{156} 10 19.4 225°.29 6°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.79	− 1 42.0	1.549	2.444	13.5	19.9
9 28	1 55.07	− 3 7.9	1.493	2.440	9.9	19.6
10 8	1 47.24	− 4 33.3	1.461	2.435	6.8	19.5
10 18	1 38.18	− 5 49.0	1.455	2.430	6.3	19.4
10 28	1 29.07	− 6 46.2	1.476	2.425	8.9	19.6
11 7	1 21.07	− 7 19.0	1.522	2.419	12.6	19.8
11 17	1 15.09	− 7 25.5	1.589	2.413	16.0	20.0
11 27	1 11.70	− 7 6.7	1.675	2.407	19.0	20.2

112323 2002 MF_{2} 10 19.4 82°.78 6°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.47	− 2 14.1	1.366	2.264	14.7	19.4
9 28	1 56.22	− 3 30.5	1.329	2.277	10.7	19.2
10 8	1 47.79	− 4 43.0	1.316	2.290	7.3	19.0
10 18	1 38.24	− 5 42.6	1.327	2.303	6.6	19.0
10 28	1 28.88	− 6 21.3	1.365	2.316	9.2	19.2
11 7	1 20.94	− 6 34.7	1.426	2.329	12.9	19.5
11 17	1 15.27	− 6 22.6	1.509	2.342	16.3	19.7
11 27	1 12.36	− 5 47.2	1.611	2.354	19.2	20.0

446803 1999 UD_{54} 10 19.4 259°.81 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.68	+ 5 40.7	2.240	3.117	10.7	21.1
9 28	1 53.82	+ 5 22.1	2.168	3.110	7.5	20.9
10 8	1 46.42	+ 5 0.0	2.121	3.104	4.1	20.7
10 18	1 38.09	+ 4 37.5	2.103	3.097	1.7	20.5
10 28	1 29.66	+ 4 18.6	2.114	3.090	4.2	20.7
11 7	1 21.97	+ 4 7.1	2.154	3.083	7.7	20.9
11 17	1 15.70	+ 4 5.4	2.220	3.076	10.9	21.1
11 27	1 11.39	+ 4 15.5	2.309	3.069	13.6	21.2

348333 2005 EP_{32} 10 19.4 159°.21 1°.0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.15	+ 8 40.0	1.983	2.857	12.0	20.4
9 28	1 54.97	+ 8 16.2	1.919	2.860	8.5	20.2
10 8	1 47.06	+ 7 45.7	1.881	2.863	4.5	20.0
10 18	1 38.16	+ 7 12.2	1.870	2.865	1.0	19.7
10 28	1 29.23	+ 6 40.3	1.888	2.867	4.1	19.9
11 7	1 21.21	+ 6 14.8	1.934	2.869	8.0	20.2
11 17	1 14.86	+ 5 59.4	2.007	2.871	11.5	20.4
11 27	1 10.69	+ 5 56.4	2.102	2.873	14.4	20.6

485368 2011 ER_{2} 10 19.4 301°.84 3°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.74	+ 0 47.0	2.217	3.106	10.3	21.3
9 28	1 51.01	− 0 17.4	2.154	3.101	7.3	21.2
10 8	1 44.86	− 1 22.9	2.117	3.095	4.6	21.0
10 18	1 37.90	− 2 24.0	2.108	3.090	3.9	20.9
10 28	1 30.88	− 3 15.0	2.128	3.084	6.0	21.1
11 7	1 24.58	− 3 51.4	2.175	3.079	9.0	21.2
11 17	1 19.62	− 4 10.7	2.246	3.074	11.8	21.4
11 27	1 16.47	− 4 12.1	2.339	3.069	14.2	21.6

149088 2002 CJ_{122} 10 19.4 276°.93 5°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.71	− 3 12.7	2.060	2.950	10.8	20.0
9 28	1 51.74	− 4 31.6	2.007	2.949	8.0	19.8
10 8	1 45.27	− 5 48.1	1.979	2.949	5.7	19.7
10 18	1 37.95	− 6 55.6	1.980	2.948	5.5	19.7
10 28	1 30.62	− 7 47.8	2.008	2.948	7.6	19.8
11 7	1 24.10	− 8 20.4	2.062	2.947	10.4	20.0
11 17	1 19.05	− 8 31.9	2.139	2.946	13.1	20.2
11 27	1 15.95	− 8 22.7	2.237	2.946	15.4	20.3

454895 2015 TJ_{90} 10 19.4 3°.73 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.64	+ 7 25.6	1.967	2.844	11.9	20.5
9 28	1 54.64	+ 7 19.4	1.902	2.844	8.4	20.2
10 8	1 46.91	+ 7 8.2	1.862	2.844	4.5	20.0
10 18	1 38.15	+ 6 55.1	1.849	2.845	1.1	19.8
10 28	1 29.34	+ 6 43.9	1.865	2.845	4.1	20.0
11 7	1 21.40	+ 6 38.4	1.910	2.846	8.0	20.2
11 17	1 15.12	+ 6 41.5	1.980	2.847	11.5	20.5
11 27	1 11.02	+ 6 55.3	2.072	2.848	14.4	20.7

441749 2009 BB_{159} 10 19.4 317°.95 4°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 56.70	+ 2 32.2	1.573	2.472	13.1	20.8
9 28	1 52.21	+ 1 9.0	1.510	2.461	9.3	20.6
10 8	1 45.72	− 0 19.0	1.470	2.451	5.7	20.3
10 18	1 38.02	− 1 43.3	1.456	2.440	4.6	20.3
10 28	1 30.20	− 2 54.7	1.469	2.430	7.6	20.4
11 7	1 23.35	− 3 46.0	1.507	2.421	11.5	20.6
11 17	1 18.35	− 4 13.2	1.568	2.412	15.2	20.8
11 27	1 15.80	− 4 15.6	1.647	2.403	18.3	21.0

242504 2004 XO_{80} 10 19.4 300°.67 3°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.13	+ 4 13.1	1.560	2.452	13.6	20.4
9 28	1 54.80	+ 3 31.9	1.484	2.433	9.7	20.1
10 8	1 47.23	+ 2 45.5	1.431	2.414	5.5	19.8
10 18	1 38.22	+ 1 59.8	1.404	2.395	3.2	19.7
10 28	1 28.92	+ 1 22.1	1.403	2.376	6.4	19.8
11 7	1 20.56	+ 0 58.5	1.429	2.357	10.9	20.0
11 17	1 14.18	+ 0 53.1	1.477	2.338	15.0	20.2
11 27	1 10.47	+ 1 7.6	1.546	2.320	18.6	20.4

408819 2000 YM_{108} 10 19.4 285°.47 4°.1/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.12	+23 54.7	2.163	2.986	13.0	21.2
9 28	1 53.76	+23 58.0	2.070	2.968	10.3	21.0
10 8	1 46.55	+23 44.0	1.999	2.950	7.2	20.8
10 18	1 38.14	+23 12.9	1.955	2.932	4.6	20.6
10 28	1 29.46	+22 27.1	1.938	2.914	4.5	20.6
11 7	1 21.49	+21 31.7	1.950	2.895	7.2	20.7
11 17	1 15.08	+20 33.2	1.988	2.877	10.4	20.9
11 27	1 10.88	+19 38.4	2.051	2.859	13.4	21.0

294654 2008 AJ_{79} 10 19.4 291°.12 0°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.25	+14 6.7	1.345	2.226	16.1	21.5
9 28	1 55.97	+13 42.7	1.269	2.210	11.8	21.2
10 8	1 48.03	+13 1.7	1.214	2.194	6.7	20.8
10 18	1 38.34	+12 7.2	1.183	2.179	1.4	20.4
10 28	1 28.28	+11 6.4	1.178	2.163	4.7	20.6
11 7	1 19.36	+10 8.2	1.199	2.148	10.2	20.9
11 17	1 12.79	+ 9 21.3	1.243	2.133	15.2	21.2
11 27	1 9.37	+ 8 51.9	1.306	2.118	19.4	21.4

181647 2007 CT_{25} 10 19.4 232°.87 0°.1/19.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.78	+12 5.5	3.485	4.343	7.7	21.8
9 28	1 49.26	+11 39.3	3.403	4.335	5.5	21.6
10 8	1 43.80	+11 7.2	3.349	4.328	3.0	21.4
10 18	1 37.80	+10 31.3	3.324	4.320	0.4	21.2
10 28	1 31.74	+ 9 54.2	3.329	4.312	2.3	21.3
11 7	1 26.10	+ 9 19.0	3.365	4.303	4.8	21.5
11 17	1 21.32	+ 8 48.5	3.430	4.295	7.1	21.7
11 27	1 17.76	+ 8 24.9	3.520	4.286	9.2	21.8

127382 2002 KQ_{6} 10 19.4 170°.47 5°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.32	− 5 56.6	2.437	3.321	9.6	20.1
9 28	1 51.29	− 7 18.8	2.387	3.323	7.3	19.9
10 8	1 44.97	− 8 36.9	2.364	3.324	5.7	19.8
10 18	1 37.95	− 9 44.9	2.369	3.326	5.7	19.8
10 28	1 30.92	−10 37.5	2.403	3.327	7.4	20.0
11 7	1 24.60	−11 11.4	2.463	3.328	9.7	20.1
11 17	1 19.54	−11 25.2	2.547	3.328	12.0	20.3
11 27	1 16.16	−11 19.7	2.651	3.329	13.9	20.4

328780 2009 UM_{137} 10 19.4 358°.78 4°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.61	+28 6.3	2.084	2.893	14.0	20.2
9 28	1 51.90	+27 43.8	2.007	2.892	11.2	20.0
10 8	1 45.46	+26 59.2	1.952	2.892	8.2	19.8
10 18	1 38.01	+25 53.7	1.922	2.891	5.6	19.7
10 28	1 30.50	+24 31.2	1.919	2.891	5.0	19.6
11 7	1 23.87	+22 58.8	1.945	2.891	7.1	19.8
11 17	1 18.87	+21 24.7	1.998	2.892	10.1	20.0
11 27	1 16.03	+19 56.7	2.075	2.893	12.9	20.2

51583 2001 HZ_{9} 10 19.4 53°.23 5°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.00	− 2 48.7	1.553	2.443	13.8	17.6
9 28	1 57.07	− 3 14.1	1.516	2.460	10.0	17.4
10 8	1 48.19	− 3 34.7	1.503	2.478	6.5	17.3
10 18	1 38.33	− 3 44.8	1.517	2.497	5.3	17.2
10 28	1 28.70	− 3 39.9	1.557	2.515	7.6	17.4
11 7	1 20.41	− 3 17.9	1.623	2.534	11.1	17.7
11 17	1 14.24	− 2 39.1	1.713	2.553	14.3	17.9
11 27	1 10.65	− 1 45.0	1.823	2.572	17.0	18.2

480999 2004 EL_{70} 10 19.4 255°.59 0°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.58	+11 1.7	2.094	2.965	11.5	21.9
9 28	1 53.23	+10 18.4	2.012	2.951	8.2	21.6
10 8	1 46.19	+ 9 25.2	1.955	2.937	4.5	21.4
10 18	1 38.11	+ 8 26.1	1.926	2.922	0.7	21.1
10 28	1 29.86	+ 7 26.4	1.926	2.907	3.9	21.3
11 7	1 22.35	+ 6 32.3	1.955	2.891	7.8	21.5
11 17	1 16.34	+ 5 48.7	2.010	2.876	11.4	21.7
11 27	1 12.39	+ 5 19.3	2.087	2.860	14.4	21.9

171728 2000 WX_{25} 10 19.4 316°.21 1°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.03	+ 9 5.1	1.270	2.165	15.8	19.7
9 28	1 54.98	+ 8 8.7	1.208	2.159	11.2	19.4
10 8	1 47.39	+ 6 59.8	1.168	2.153	6.0	19.1
10 18	1 38.27	+ 5 45.5	1.152	2.147	1.9	18.8
10 28	1 29.00	+ 4 35.7	1.162	2.142	6.1	19.1
11 7	1 21.00	+ 3 39.7	1.197	2.137	11.3	19.3
11 17	1 15.38	+ 3 4.1	1.254	2.132	16.0	19.6
11 27	1 12.79	+ 2 51.8	1.330	2.127	19.9	19.9

44552 1999 BL_{34} 10 19.4 6°.31 6°.0/25.4 18

9 18	1 59.18	+29 25.4	2.157	2.953	14.0	18.1
9 28	1 53.78	+29 46.7	2.082	2.953	11.5	17.9
10 8	1 46.53	+29 47.8	2.027	2.954	8.8	17.8
10 18	1 38.16	+29 28.1	1.998	2.954	6.6	17.7
10 28	1 29.64	+28 49.2	1.996	2.956	6.1	17.6
11 7	1 21.98	+27 56.2	2.021	2.957	7.6	17.7
11 17	1 15.99	+26 55.6	2.072	2.959	10.1	17.9
11 27	1 12.26	+25 54.8	2.147	2.961	12.7	18.1

125246 2001 UN_{175} 10 19.4 243°.02 3°.2/17.0 18

9 18	2 2.30	+ 3 31.3	1.642	2.529	13.3	19.5
9 28	1 56.13	+ 2 54.0	1.578	2.524	9.4	19.2
10 8	1 47.85	+ 2 13.4	1.538	2.519	5.4	19.0
10 18	1 38.33	+ 1 35.1	1.524	2.514	3.2	18.8
10 28	1 28.70	+ 1 5.4	1.538	2.509	6.2	19.0
11 7	1 20.13	+ 0 49.4	1.579	2.503	10.3	19.2
11 17	1 13.53	+ 0 50.0	1.643	2.498	14.1	19.5
11 27	1 9.49	+ 1 8.3	1.728	2.492	17.3	19.7

20389 1998 KA_{55} 10 19.4 46°.84 5°.2/14.2 18

9 18	1 57.13	− 2 44.0	1.935	2.828	11.3	17.2
9 28	1 52.08	− 3 55.4	1.889	2.833	8.3	17.0
10 8	1 45.48	− 5 4.1	1.868	2.839	5.8	16.9
10 18	1 38.03	− 6 3.4	1.874	2.846	5.4	16.9
10 28	1 30.63	− 6 47.2	1.907	2.852	7.5	17.0
11 7	1 24.12	− 7 11.6	1.966	2.858	10.4	17.2
11 17	1 19.18	− 7 15.3	2.049	2.865	13.2	17.4
11 27	1 16.25	− 6 58.9	2.151	2.872	15.6	17.6

480908 2002 TB_{31} 10 19.4 0°.49 4°.2/17.9 17

9 18	2 4.06	− 0 46.3	1.064	1.971	17.2	19.3
9 28	1 58.15	− 0 7.7	1.012	1.966	12.4	19.0
10 8	1 49.23	+ 0 37.6	0.980	1.963	7.3	18.8
10 18	1 38.51	+ 1 32.9	0.971	1.963	4.2	18.6
10 28	1 27.69	+ 2 40.3	0.987	1.964	7.4	18.8
11 7	1 18.47	+ 3 59.7	1.026	1.968	12.5	19.1
11 17	1 12.12	+ 5 29.4	1.087	1.974	17.2	19.4
11 27	1 9.31	+ 7 7.7	1.166	1.982	21.1	19.7

367467 2009 CP_{29} 10 19.4 147°.91 2°.5/17.6 17

9 18	2 3.88	+ 6 40.9	1.465	2.352	14.6	21.5
9 28	1 57.31	+ 5 50.1	1.411	2.358	10.3	21.3
10 8	1 48.50	+ 4 51.9	1.380	2.363	5.6	21.0
10 18	1 38.41	+ 3 53.0	1.375	2.369	2.5	20.8
10 28	1 28.35	+ 3 1.2	1.398	2.373	6.0	21.1
11 7	1 19.59	+ 2 23.2	1.447	2.378	10.5	21.4
11 17	1 13.06	+ 2 3.4	1.520	2.382	14.6	21.6
11 27	1 9.33	+ 2 3.4	1.612	2.385	18.0	21.9

233330 2006 BB_{279} 10 19.4 40°.70 0°.2/19.5 18

9 18	2 0.17	+12 49.0	1.339	2.224	15.8	19.9
9 28	1 54.77	+12 18.4	1.294	2.238	11.3	19.7
10 8	1 47.12	+11 34.0	1.270	2.253	6.2	19.5
10 18	1 38.25	+10 41.0	1.272	2.268	0.8	19.1
10 28	1 29.50	+ 9 46.9	1.299	2.284	4.5	19.5
11 7	1 22.13	+ 8 59.7	1.353	2.300	9.5	19.8
11 17	1 17.03	+ 8 25.4	1.429	2.317	13.8	20.1
11 27	1 14.72	+ 8 7.8	1.526	2.334	17.3	20.4

389472 2010 EL_{66} 10 19.4 128°.04 2°.4/21.6 18

9 18	2 4.00	+18 39.0	2.264	3.099	12.1	22.1
9 28	1 56.83	+18 40.4	2.203	3.116	9.0	21.9
10 8	1 48.05	+18 29.1	2.167	3.132	5.7	21.7
10 18	1 38.37	+18 6.2	2.159	3.148	2.7	21.6
10 28	1 28.73	+17 34.9	2.182	3.163	3.4	21.6
11 7	1 20.00	+16 59.9	2.234	3.177	6.5	21.9
11 17	1 12.92	+16 26.1	2.314	3.191	9.6	22.1
11 27	1 7.95	+15 58.0	2.418	3.204	12.3	22.3

394988 2009 BH_{34} 10 19.4 250°.19 1°.1/20.3 18

9 18	2 0.66	+14 44.8	1.914	2.776	12.9	22.2
9 28	1 54.86	+14 28.5	1.836	2.767	9.4	22.0
10 8	1 47.16	+13 59.8	1.782	2.758	5.5	21.7
10 18	1 38.28	+13 21.2	1.755	2.750	1.5	21.4
10 28	1 29.22	+12 37.2	1.757	2.741	3.6	21.6
11 7	1 21.02	+11 53.7	1.786	2.731	7.7	21.8
11 17	1 14.54	+11 16.2	1.842	2.722	11.6	22.0
11 27	1 10.38	+10 49.6	1.920	2.712	14.8	22.2

108230 2001 HP_{38} 10 19.4 232°.43 0°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.92	+13 25.3	1.850	2.720	12.9	20.3
9 28	1 53.59	+12 44.0	1.780	2.717	9.3	20.0
10 8	1 46.42	+11 50.3	1.735	2.715	5.1	19.8
10 18	1 38.19	+10 48.1	1.716	2.712	0.7	19.5
10 28	1 29.87	+ 9 43.6	1.726	2.709	3.8	19.7
11 7	1 22.46	+ 8 43.7	1.764	2.706	8.0	20.0
11 17	1 16.78	+ 7 54.2	1.828	2.704	11.8	20.2
11 27	1 13.36	+ 7 19.4	1.913	2.701	15.0	20.4

317817 2003 SO_{264} 10 19.4 317°.63 3°.9/16.5 18

9 18	1 58.48	+ 3 16.7	1.470	2.368	13.9	20.0
9 28	1 53.71	+ 2 24.0	1.399	2.351	9.9	19.7
10 8	1 46.69	+ 1 26.3	1.352	2.334	5.8	19.5
10 18	1 38.24	+ 0 31.0	1.329	2.318	3.9	19.3
10 28	1 29.56	− 0 14.0	1.333	2.303	7.1	19.5
11 7	1 21.87	− 0 41.8	1.362	2.287	11.5	19.7
11 17	1 16.21	− 0 48.7	1.413	2.273	15.6	19.9
11 27	1 13.25	− 0 33.2	1.483	2.259	19.2	20.1

386798 2010 EM_{113} 10 19.4 146°.77 3°.5/23.0 18

9 18	2 2.01	+23 25.3	2.305	3.123	12.5	21.8
9 28	1 55.49	+23 15.6	2.236	3.134	9.7	21.7
10 8	1 47.36	+22 49.6	2.191	3.144	6.6	21.5
10 18	1 38.31	+22 8.3	2.174	3.153	4.0	21.3
10 28	1 29.25	+21 15.2	2.185	3.162	4.0	21.4
11 7	1 21.07	+20 15.7	2.227	3.171	6.5	21.5
11 17	1 14.48	+19 15.8	2.296	3.178	9.5	21.7
11 27	1 9.98	+18 21.5	2.389	3.185	12.1	21.9

483964 2006 BR_{210} 10 19.4 289°.20 6°.8/11.3 18

9 18	1 55.86	− 7 44.9	2.137	3.025	10.6	21.0
9 28	1 51.26	− 9 23.9	2.072	3.006	8.3	20.8
10 8	1 45.12	−10 58.8	2.033	2.987	6.9	20.7
10 18	1 38.04	−12 21.7	2.021	2.969	7.2	20.7
10 28	1 30.83	−13 25.6	2.037	2.950	9.2	20.8
11 7	1 24.31	−14 6.1	2.078	2.931	11.7	20.9
11 17	1 19.17	−14 21.4	2.141	2.913	14.2	21.1
11 27	1 15.95	−14 12.3	2.222	2.894	16.4	21.2

1721 Wells 10 19.4 302°.41 7°.3/26.9 18

9 18	2 1.08	+33 58.8	2.322	3.082	14.1	15.9
9 28	1 55.20	+34 34.7	2.239	3.078	12.0	15.7
10 8	1 47.38	+34 49.7	2.176	3.073	9.8	15.6
10 18	1 38.33	+34 41.6	2.138	3.069	7.9	15.4
10 28	1 29.04	+34 11.0	2.126	3.065	7.3	15.4
11 7	1 20.55	+33 21.8	2.141	3.061	8.2	15.5
11 17	1 13.74	+32 20.4	2.182	3.057	10.2	15.6
11 27	1 9.26	+31 14.5	2.247	3.053	12.5	15.7

385077 2012 UD_{97} 10 19.4 112°.09 3°.0/22.2 18

9 18	2 0.77	+21 19.1	1.746	2.590	14.7	20.4
9 28	1 54.97	+20 50.4	1.683	2.599	11.2	20.2
10 8	1 47.19	+20 2.0	1.643	2.608	7.2	20.0
10 18	1 38.29	+18 56.6	1.628	2.616	3.6	19.8
10 28	1 29.41	+17 39.9	1.642	2.624	4.1	19.8
11 7	1 21.63	+16 20.2	1.683	2.633	7.7	20.1
11 17	1 15.81	+15 5.7	1.751	2.640	11.5	20.3
11 27	1 12.46	+14 3.0	1.841	2.648	14.8	20.6

305231 2007 XR_{18} 10 19.4 23°.96 7°.0/25.9 18

9 18	1 59.03	+30 35.1	1.604	2.414	17.4	19.9
9 28	1 54.09	+30 38.2	1.538	2.418	14.3	19.7
10 8	1 46.86	+30 13.0	1.492	2.424	10.9	19.5
10 18	1 38.26	+29 19.1	1.468	2.430	8.0	19.3
10 28	1 29.59	+28 0.5	1.470	2.436	7.1	19.3
11 7	1 22.14	+26 25.7	1.498	2.443	9.0	19.4
11 17	1 16.88	+24 45.6	1.551	2.450	12.1	19.6
11 27	1 14.41	+23 10.9	1.626	2.458	15.3	19.9

22416 1995 UC_{47} 10 19.4 359°.29 0°.5/19.2 18

9 18	1 56.52	+ 8 8.7	0.913	1.830	18.3	16.9
9 28	1 53.12	+ 8 35.3	0.863	1.823	13.1	16.6
10 8	1 46.65	+ 8 54.0	0.831	1.818	7.2	16.2
10 18	1 38.26	+ 9 8.0	0.820	1.816	0.9	15.8
10 28	1 29.67	+ 9 22.1	0.831	1.816	5.7	16.2
11 7	1 22.66	+ 9 41.7	0.863	1.820	11.8	16.5
11 17	1 18.52	+10 10.9	0.915	1.826	17.1	16.8
11 27	1 17.98	+10 52.5	0.984	1.834	21.5	17.1

172625 2003 WF_{174} 10 19.4 228°.38 1°.8/21.4 18

9 18	1 58.62	+19 53.1	2.118	2.960	12.6	20.7
9 28	1 53.27	+18 56.4	2.033	2.952	9.4	20.5
10 8	1 46.24	+17 41.9	1.973	2.942	5.8	20.3
10 18	1 38.20	+16 12.8	1.941	2.933	2.3	20.0
10 28	1 30.05	+14 35.0	1.939	2.923	3.3	20.1
11 7	1 22.71	+12 56.5	1.966	2.912	7.1	20.3
11 17	1 16.94	+11 25.0	2.021	2.902	10.7	20.5
11 27	1 13.25	+10 6.7	2.100	2.890	13.8	20.7

410152 2007 HL_{54} 10 19.4 165°.42 1°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.65	+ 5 19.2	2.420	3.294	10.1	20.7
9 28	1 53.69	+ 4 58.8	2.355	3.297	7.1	20.5
10 8	1 46.35	+ 4 35.4	2.317	3.298	3.9	20.3
10 18	1 38.21	+ 4 12.2	2.307	3.300	1.7	20.1
10 28	1 30.04	+ 3 52.8	2.327	3.302	4.0	20.3
11 7	1 22.59	+ 3 40.5	2.376	3.303	7.2	20.5
11 17	1 16.49	+ 3 37.8	2.452	3.304	10.1	20.7
11 27	1 12.19	+ 3 46.0	2.551	3.305	12.6	20.9

40404 1999 OB 10 19.4 22°.89 2°.8/17.5 18

9 18	1 58.54	+ 7 55.3	1.077	1.984	17.0	17.1
9 28	1 54.02	+ 6 48.4	1.033	1.990	11.9	16.8
10 8	1 46.88	+ 5 30.3	1.010	1.997	6.4	16.5
10 18	1 38.27	+ 4 10.8	1.010	2.004	2.8	16.3
10 28	1 29.74	+ 3 1.0	1.034	2.012	6.9	16.6
11 7	1 22.75	+ 2 10.3	1.081	2.021	12.2	16.9
11 17	1 18.31	+ 1 44.0	1.149	2.031	16.8	17.2
11 27	1 16.99	+ 1 43.5	1.235	2.042	20.6	17.5

31383 1998 XJ_{94} 10 19.4 150°.91 1°.6/18.2 18 R

9 18	2 2.84	+ 9 43.9	1.480	2.363	14.8	17.5
9 28	1 56.60	+ 8 43.3	1.424	2.369	10.4	17.3
10 8	1 48.14	+ 7 31.3	1.391	2.374	5.6	17.0
10 18	1 38.43	+ 6 14.8	1.384	2.379	1.6	16.8
10 28	1 28.74	+ 5 2.4	1.405	2.384	5.4	17.1
11 7	1 20.31	+ 4 2.3	1.453	2.388	10.1	17.4
11 17	1 14.07	+ 3 20.1	1.524	2.391	14.3	17.6
11 27	1 10.59	+ 2 58.9	1.616	2.394	17.7	17.9

414639 2009 VB_{60} 10 19.4 332°.55 5°.6/25.9 18

9 18	1 54.84	+31 16.6	1.871	2.672	15.6	19.9
9 28	1 50.93	+30 27.6	1.780	2.657	12.8	19.7
10 8	1 45.09	+29 8.9	1.709	2.643	9.6	19.5
10 18	1 38.07	+27 21.2	1.663	2.629	6.7	19.3
10 28	1 30.91	+25 10.0	1.644	2.616	5.7	19.2
11 7	1 24.69	+22 45.1	1.654	2.604	7.8	19.3
11 17	1 20.26	+20 18.3	1.691	2.592	11.2	19.5
11 27	1 18.21	+18 1.3	1.753	2.581	14.5	19.7

286870 2002 OW_{14} 10 19.4 351°.24 8°.2/26.5 18

9 18	1 57.12	+31 21.6	1.429	2.246	18.8	19.1
9 28	1 53.10	+31 37.3	1.357	2.239	15.6	18.9
10 8	1 46.50	+31 21.9	1.303	2.234	12.2	18.7
10 18	1 38.25	+30 33.4	1.270	2.229	9.2	18.5
10 28	1 29.77	+29 14.8	1.262	2.226	8.2	18.4
11 7	1 22.52	+27 35.2	1.277	2.223	10.0	18.5
11 17	1 17.65	+25 46.9	1.316	2.222	13.3	18.7
11 27	1 15.87	+24 2.5	1.377	2.221	16.8	18.9

23264 2000 YC_{50} 10 19.4 28°.77 3°.6/21.9 18

9 18	1 59.91	+19 26.4	1.153	2.030	18.5	17.6
9 28	1 54.94	+19 27.9	1.112	2.045	13.9	17.4
10 8	1 47.35	+19 6.6	1.090	2.063	8.8	17.2
10 18	1 38.34	+18 25.2	1.091	2.081	4.3	17.0
10 28	1 29.47	+17 30.6	1.116	2.101	5.0	17.1
11 7	1 22.19	+16 32.8	1.165	2.121	9.6	17.4
11 17	1 17.52	+15 41.1	1.237	2.143	14.0	17.7
11 27	1 15.98	+15 2.5	1.329	2.165	17.8	18.0

65689 1990 WM_4 10 19.4 18°.61 5°.9/15.9 18

9 18	1 58.76	+ 1 22.7	0.940	1.859	17.7	17.7
9 28	1 54.36	+ 0 15.8	0.904	1.864	12.6	17.5
10 8	1 47.12	− 0 51.9	0.888	1.872	7.8	17.3
10 18	1 38.32	− 1 49.3	0.893	1.880	6.1	17.2
10 28	1 29.66	− 2 25.6	0.921	1.890	9.6	17.4
11 7	1 22.73	− 2 34.7	0.970	1.901	14.4	17.7
11 17	1 18.57	− 2 15.5	1.038	1.913	18.8	18.1
11 27	1 17.73	− 1 30.3	1.122	1.926	22.4	18.4

285474 2000 AU_{218} 10 19.4 331°.76 1°.6/18.0 17

9 18	1 57.09	+ 7 27.9	1.762	2.650	12.5	21.0
9 28	1 52.42	+ 6 55.9	1.689	2.636	8.9	20.7
10 8	1 45.89	+ 6 16.8	1.640	2.623	4.8	20.5
10 18	1 38.19	+ 5 35.4	1.617	2.611	1.6	20.2
10 28	1 30.31	+ 4 57.2	1.621	2.600	4.8	20.4
11 7	1 23.29	+ 4 28.1	1.652	2.588	9.0	20.7
11 17	1 17.96	+ 4 12.1	1.708	2.578	12.8	20.9
11 27	1 14.92	+ 4 11.8	1.784	2.568	16.1	21.1

132633 2002 LL_{30} 10 19.4 237°.92 5°.5/14.3 18

9 18	1 58.83	− 1 47.4	1.748	2.642	12.3	19.8
9 28	1 53.53	− 3 9.1	1.694	2.639	9.0	19.6
10 8	1 46.41	− 4 29.8	1.663	2.637	6.2	19.4
10 18	1 38.24	− 5 41.6	1.660	2.634	5.8	19.4
10 28	1 30.05	− 6 37.0	1.684	2.631	8.2	19.5
11 7	1 22.82	− 7 10.7	1.733	2.628	11.4	19.7
11 17	1 17.34	− 7 20.8	1.806	2.626	14.6	19.9
11 27	1 14.15	− 7 7.8	1.897	2.623	17.2	20.1

514600 2003 SF_{130} 10 19.4 30°.29 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 56.06	+11 49.5	1.398	2.290	14.9	20.5
9 28	1 51.83	+10 9.6	1.348	2.297	10.4	20.2
10 8	1 45.54	+ 8 14.8	1.321	2.306	5.5	20.0
10 18	1 38.14	+ 6 14.2	1.320	2.315	1.6	19.7
10 28	1 30.80	+ 4 19.7	1.345	2.324	5.5	20.0
11 7	1 24.66	+ 2 41.7	1.398	2.334	10.3	20.3
11 17	1 20.55	+ 1 27.5	1.473	2.345	14.4	20.6
11 27	1 18.96	+ 0 40.1	1.569	2.356	17.8	20.9

123539 2000 XV_{19} 10 19.4 359°.37 0°.7/18.9 18

9 18	2 3.79	+ 7 19.0	1.721	2.599	13.3	18.9
9 28	1 57.18	+ 7 38.0	1.655	2.597	9.5	18.7
10 8	1 48.48	+ 7 52.8	1.614	2.596	5.1	18.4
10 18	1 38.53	+ 8 5.3	1.600	2.596	0.9	18.1
10 28	1 28.45	+ 8 18.5	1.614	2.596	4.3	18.4
11 7	1 19.41	+ 8 35.5	1.656	2.597	8.6	18.7
11 17	1 12.31	+ 8 58.9	1.723	2.598	12.5	18.9
11 27	1 7.77	+ 9 30.8	1.813	2.599	15.8	19.1

321626 2009 WC_{100} 10 19.4 329°.84 0°.9/18.6 18

9 18	1 57.17	+ 9 12.2	1.910	2.791	12.0	20.5
9 28	1 52.38	+ 8 46.9	1.835	2.779	8.5	20.2
10 8	1 45.83	+ 8 13.9	1.784	2.767	4.6	20.0
10 18	1 38.20	+ 7 36.9	1.760	2.756	0.9	19.7
10 28	1 30.41	+ 7 0.9	1.764	2.745	4.1	19.9
11 7	1 23.41	+ 6 31.1	1.796	2.735	8.2	20.1
11 17	1 18.00	+ 6 11.7	1.853	2.725	11.9	20.3
11 27	1 14.74	+ 6 5.8	1.931	2.716	15.0	20.5

406277 2007 EH_{127} 10 19.4 98°.57 0°.3/19.1 18

9 18	1 58.11	+11 16.7	2.307	3.174	10.8	21.9
9 28	1 52.63	+10 41.2	2.250	3.187	7.6	21.7
10 8	1 45.77	+ 9 57.9	2.220	3.201	4.1	21.5
10 18	1 38.19	+ 9 10.4	2.218	3.214	0.5	21.3
10 28	1 30.64	+ 8 23.2	2.246	3.227	3.3	21.5
11 7	1 23.89	+ 7 40.9	2.302	3.240	6.7	21.8
11 17	1 18.53	+ 7 7.4	2.386	3.253	9.8	22.0
11 27	1 14.99	+ 6 45.4	2.493	3.265	12.4	22.2

327556 2006 CR_{40} 10 19.4 159°.16 1°.7/21.1 18

9 18	1 59.51	+16 45.7	2.460	3.306	10.9	21.2
9 28	1 53.70	+16 44.8	2.387	3.308	8.1	21.1
10 8	1 46.42	+16 33.4	2.339	3.309	4.9	20.9
10 18	1 38.28	+16 13.0	2.320	3.311	2.0	20.7
10 28	1 30.06	+15 46.4	2.330	3.313	3.0	20.7
11 7	1 22.55	+15 17.6	2.369	3.314	6.1	21.0
11 17	1 16.39	+14 50.6	2.436	3.315	9.1	21.1
11 27	1 12.09	+14 29.4	2.527	3.316	11.7	21.3

451616 2012 DR_{88} 10 19.4 132°.18 3°.9/14.5 18

9 18	1 55.99	− 0 35.7	2.461	3.346	9.5	21.2
9 28	1 51.07	− 1 53.6	2.410	3.353	6.8	21.0
10 8	1 44.91	− 3 11.1	2.386	3.360	4.5	20.9
10 18	1 38.08	− 4 22.7	2.391	3.366	4.1	20.9
10 28	1 31.28	− 5 23.0	2.425	3.373	6.0	21.0
11 7	1 25.16	− 6 7.9	2.487	3.379	8.6	21.2
11 17	1 20.29	− 6 35.5	2.575	3.384	11.0	21.4
11 27	1 17.05	− 6 45.2	2.683	3.390	13.1	21.6

233790 2008 UY_{23} 10 19.4 298°.43 0°.7/20.6 18

9 18	1 51.08	+15 15.2	4.220	5.066	6.7	20.5
9 28	1 47.30	+14 52.5	4.139	5.063	4.9	20.3
10 8	1 42.77	+14 23.8	4.086	5.059	2.8	20.2
10 18	1 37.82	+13 50.7	4.061	5.055	0.9	20.0
10 28	1 32.83	+13 15.2	4.068	5.052	1.8	20.1
11 7	1 28.19	+12 39.7	4.105	5.048	3.8	20.2
11 17	1 24.24	+12 6.8	4.171	5.044	5.8	20.4
11 27	1 21.26	+11 38.4	4.263	5.041	7.5	20.5

129924 1999 TK_{127} 10 19.4 15°.62 1°.3/18.4 18

9 18	1 56.10	+10 36.2	1.174	2.076	16.3	19.0
9 28	1 52.17	+ 9 40.7	1.128	2.081	11.5	18.8
10 8	1 45.87	+ 8 31.8	1.103	2.089	6.1	18.5
10 18	1 38.22	+ 7 17.1	1.101	2.097	1.3	18.2
10 28	1 30.61	+ 6 6.8	1.125	2.107	5.6	18.5
11 7	1 24.38	+ 5 10.1	1.172	2.118	10.8	18.9
11 17	1 20.47	+ 4 33.2	1.241	2.130	15.3	19.2
11 27	1 19.41	+ 4 19.1	1.329	2.143	19.0	19.4

476449 2008 EW_{45} 10 19.4 140°.09 1°.8/21.1 17

9 18	2 2.77	+18 15.6	1.844	2.693	13.9	22.0
9 28	1 56.27	+17 38.6	1.782	2.705	10.2	21.8
10 8	1 47.88	+16 45.3	1.745	2.716	6.2	21.6
10 18	1 38.47	+15 38.9	1.734	2.727	2.3	21.3
10 28	1 29.09	+14 25.4	1.753	2.736	3.6	21.4
11 7	1 20.81	+13 12.4	1.800	2.746	7.6	21.7
11 17	1 14.42	+12 7.0	1.874	2.754	11.4	22.0
11 27	1 10.43	+11 14.6	1.970	2.762	14.5	22.2

340919 2007 DU_{96} 10 19.4 174°.33 1°.9/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.30	+ 8 18.2	1.798	2.678	12.7	21.8
9 28	1 54.56	+ 7 13.0	1.736	2.680	8.9	21.5
10 8	1 46.98	+ 5 59.2	1.698	2.681	4.8	21.3
10 18	1 38.36	+ 4 42.8	1.689	2.682	1.9	21.1
10 28	1 29.72	+ 3 31.3	1.708	2.683	5.1	21.3
11 7	1 22.05	+ 2 31.6	1.755	2.683	9.1	21.6
11 17	1 16.17	+ 1 48.5	1.826	2.683	12.8	21.8
11 27	1 12.58	+ 1 24.5	1.920	2.683	15.8	22.0

132343 2002 GQ_{43} 10 19.4 268°.86 0°.0/19.4 18

9 18	1 59.98	+12 28.0	1.699	2.573	13.6	20.6
9 28	1 54.54	+11 52.6	1.628	2.567	9.8	20.3
10 8	1 47.07	+11 4.9	1.580	2.561	5.4	20.1
10 18	1 38.38	+10 8.9	1.559	2.556	0.7	19.7
10 28	1 29.55	+ 9 10.9	1.566	2.550	4.1	20.0
11 7	1 21.70	+ 8 18.1	1.601	2.544	8.7	20.2
11 17	1 15.72	+ 7 36.4	1.660	2.538	12.7	20.5
11 27	1 12.21	+ 7 10.2	1.741	2.532	16.2	20.7

480836 1999 VC_{116} 10 19.4 33°.07 0°.5/18.9 16

9 18	1 58.66	+11 41.8	1.393	2.281	15.2	20.8
9 28	1 53.71	+10 56.4	1.345	2.291	10.8	20.5
10 8	1 46.61	+ 9 58.3	1.318	2.301	5.8	20.3
10 18	1 38.32	+ 8 53.5	1.316	2.312	0.8	19.9
10 28	1 30.10	+ 7 49.9	1.341	2.324	4.7	20.3
11 7	1 23.14	+ 6 55.8	1.391	2.336	9.5	20.6
11 17	1 18.31	+ 6 17.0	1.465	2.348	13.8	20.9
11 27	1 16.14	+ 5 56.9	1.559	2.361	17.2	21.1

514607 2003 SO_{346} 10 19.4 95°.05 1°.7/21.1 18

9 18	2 0.70	+16 49.5	2.422	3.266	11.1	22.1
9 28	1 54.44	+16 46.1	2.365	3.285	8.2	21.9
10 8	1 46.77	+16 32.1	2.334	3.304	5.0	21.8
10 18	1 38.35	+16 9.1	2.331	3.322	2.0	21.6
10 28	1 29.97	+15 40.4	2.358	3.340	3.0	21.7
11 7	1 22.41	+15 9.9	2.414	3.358	6.0	21.9
11 17	1 16.29	+14 41.8	2.498	3.376	9.0	22.1
11 27	1 12.03	+14 19.8	2.607	3.394	11.5	22.3

115902 2003 VU_{11} 10 19.4 306°.11 3°.6/22.4 17

9 18	2 0.96	+21 1.4	2.175	3.008	12.6	19.3
9 28	1 55.11	+21 27.2	2.086	2.993	9.8	19.1
10 8	1 47.40	+21 39.4	2.022	2.979	6.7	18.9
10 18	1 38.46	+21 37.7	1.983	2.965	4.1	18.7
10 28	1 29.23	+21 23.7	1.974	2.951	4.3	18.7
11 7	1 20.69	+21 1.2	1.993	2.937	7.1	18.9
11 17	1 13.72	+20 35.2	2.038	2.924	10.3	19.0
11 27	1 8.94	+20 11.3	2.107	2.911	13.3	19.2

113339 2002 RU_{216} 10 19.4 313°.09 5°.3/14.9 18

9 18	1 59.24	− 1 57.6	1.747	2.639	12.3	19.8
9 28	1 53.86	− 3 0.2	1.690	2.636	9.0	19.6
10 8	1 46.63	− 4 1.1	1.658	2.632	6.1	19.4
10 18	1 38.35	− 4 53.4	1.653	2.629	5.5	19.3
10 28	1 30.02	− 5 30.3	1.674	2.625	7.8	19.5
11 7	1 22.66	− 5 47.4	1.721	2.622	11.1	19.7
11 17	1 17.06	− 5 43.0	1.791	2.619	14.3	19.9
11 27	1 13.76	− 5 17.8	1.881	2.616	17.1	20.1

45853 2000 SN_{263} 10 19.4 149°.82 1°.2/20.3 17

9 18	2 4.54	+15 28.4	1.588	2.450	15.0	19.9
9 28	1 57.81	+15 2.5	1.526	2.458	10.9	19.7
10 8	1 48.86	+14 21.2	1.488	2.465	6.3	19.4
10 18	1 38.63	+13 27.9	1.476	2.471	1.7	19.1
10 28	1 28.39	+12 28.9	1.493	2.477	4.0	19.3
11 7	1 19.38	+11 32.0	1.536	2.482	8.7	19.6
11 17	1 12.54	+10 44.0	1.605	2.487	12.9	19.9
11 27	1 8.46	+10 10.2	1.696	2.491	16.4	20.1

96746 1999 PK_{8} 10 19.4 80°.04 2°.6/21.7 18

9 18	2 1.63	+20 2.5	1.656	2.506	15.1	19.6
9 28	1 55.55	+19 31.0	1.606	2.527	11.3	19.4
10 8	1 47.51	+18 40.6	1.578	2.547	7.0	19.2
10 18	1 38.45	+17 34.8	1.577	2.567	3.2	19.1
10 28	1 29.53	+16 20.3	1.604	2.587	3.9	19.2
11 7	1 21.85	+15 5.2	1.658	2.607	7.8	19.4
11 17	1 16.21	+13 57.3	1.738	2.627	11.6	19.7
11 27	1 13.08	+13 2.5	1.841	2.646	14.8	20.0

484150 2006 TU_{95} 10 19.4 346°.45 0°.2/19.3 18

9 18	1 59.71	+10 48.1	1.676	2.555	13.5	21.3
9 28	1 54.36	+10 32.5	1.609	2.552	9.7	21.1
10 8	1 46.99	+10 7.3	1.566	2.548	5.3	20.8
10 18	1 38.41	+ 9 36.0	1.549	2.545	0.6	20.5
10 28	1 29.70	+ 9 3.8	1.559	2.542	4.1	20.8
11 7	1 21.98	+ 8 36.4	1.597	2.540	8.6	21.0
11 17	1 16.13	+ 8 18.5	1.659	2.539	12.6	21.3
11 27	1 12.75	+ 8 13.6	1.742	2.537	16.0	21.5

97488 2000 CG_{76} 10 19.4 168°.20 6°.8/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.83	+36 50.7	2.930	3.652	12.3	20.1
9 28	1 56.18	+37 27.4	2.848	3.655	10.6	20.0
10 8	1 47.86	+37 45.6	2.787	3.657	8.8	19.8
10 18	1 38.52	+37 43.4	2.751	3.660	7.4	19.8
10 28	1 28.99	+37 21.0	2.742	3.662	6.8	19.7
11 7	1 20.16	+36 41.5	2.761	3.664	7.4	19.8
11 17	1 12.77	+35 49.7	2.807	3.665	8.8	19.9
11 27	1 7.38	+34 51.9	2.878	3.666	10.5	20.0

377521 2005 GD_{20} 10 19.4 106°.81 0°.7/18.9 16

9 18	2 9.05	+ 8 31.5	1.616	2.487	14.4	21.4
9 28	2 0.76	+ 8 29.6	1.569	2.508	10.2	21.2
10 8	1 50.35	+ 8 20.9	1.547	2.528	5.5	21.0
10 18	1 38.82	+ 8 8.5	1.552	2.547	0.9	20.7
10 28	1 27.47	+ 7 56.7	1.586	2.567	4.5	21.0
11 7	1 17.51	+ 7 50.2	1.648	2.585	8.9	21.4
11 17	1 9.81	+ 7 52.2	1.735	2.603	12.8	21.6
11 27	1 4.88	+ 8 5.2	1.845	2.620	16.0	21.9

267591 2002 RS_{18} 10 19.4 332°.13 1°.6/20.2 18

9 18	2 0.74	+12 51.2	1.085	1.980	17.9	19.3
9 28	1 56.22	+13 13.8	1.013	1.961	13.2	19.0
10 8	1 48.54	+13 23.0	0.960	1.942	7.8	18.6
10 18	1 38.65	+13 20.0	0.930	1.925	2.1	18.2
10 28	1 28.19	+13 9.1	0.923	1.909	5.3	18.4
11 7	1 18.98	+12 57.3	0.938	1.894	11.3	18.6
11 17	1 12.55	+12 51.9	0.975	1.880	16.9	18.9
11 27	1 9.85	+12 59.0	1.029	1.869	21.6	19.2

518023 2015 VP_{154} 10 19.4 166°.28 3°.7/15.5 18

9 18	1 59.29	− 2 18.0	2.643	3.521	9.2	21.7
9 28	1 53.35	− 2 51.7	2.586	3.524	6.7	21.5
10 8	1 46.18	− 3 23.2	2.555	3.527	4.4	21.4
10 18	1 38.32	− 3 48.7	2.553	3.529	3.8	21.3
10 28	1 30.46	− 4 4.7	2.580	3.531	5.5	21.4
11 7	1 23.28	− 4 8.7	2.637	3.533	7.9	21.6
11 17	1 17.33	− 3 59.6	2.719	3.535	10.3	21.8
11 27	1 13.03	− 3 37.3	2.823	3.536	12.4	21.9

80485 2000 AM_{38} 10 19.4 0°.14 3°.7/21.6 18

9 18	1 58.11	+18 15.5	1.017	1.906	19.4	18.3
9 28	1 54.22	+18 27.2	0.961	1.902	14.6	18.0
10 8	1 47.31	+18 15.8	0.924	1.900	9.3	17.7
10 18	1 38.49	+17 42.6	0.908	1.899	4.3	17.5
10 28	1 29.47	+16 54.0	0.915	1.900	5.5	17.5
11 7	1 21.98	+16 0.4	0.944	1.903	10.7	17.8
11 17	1 17.33	+15 12.4	0.994	1.906	15.9	18.2
11 27	1 16.23	+14 38.5	1.062	1.912	20.3	18.4

95554 2002 EZ_{94} 10 19.4 63°.74 3°.2/16.3 18

9 18	1 57.51	+ 3 8.4	1.990	2.877	11.3	19.4
9 28	1 52.38	+ 2 8.6	1.940	2.887	7.9	19.2
10 8	1 45.74	+ 1 6.5	1.916	2.897	4.6	19.0
10 18	1 38.27	+ 0 7.9	1.920	2.907	3.3	19.0
10 28	1 30.86	− 0 41.4	1.952	2.917	5.7	19.1
11 7	1 24.32	− 1 16.6	2.011	2.927	8.9	19.4
11 17	1 19.32	− 1 35.3	2.095	2.937	12.0	19.6
11 27	1 16.30	− 1 36.5	2.200	2.947	14.5	19.8

933 Susi 10 19.4 245°.24 3°.1/16.8 18

9 18	2 1.27	+ 4 56.9	1.737	2.622	12.8	16.4
9 28	1 55.47	+ 3 55.4	1.663	2.609	9.1	16.2
10 8	1 47.64	+ 2 47.5	1.613	2.595	5.2	15.9
10 18	1 38.54	+ 1 39.6	1.591	2.581	3.1	15.8
10 28	1 29.25	+ 0 39.1	1.597	2.566	6.1	15.9
11 7	1 20.87	− 0 7.1	1.630	2.551	10.2	16.2
11 17	1 14.31	− 0 34.7	1.687	2.536	14.1	16.4
11 27	1 10.21	− 0 41.6	1.764	2.520	17.3	16.6

265109 2003 SF_{429} 10 19.4 320°.31 2°.3/21.5 17

9 18	1 59.72	+17 41.0	2.177	3.024	12.1	20.3
9 28	1 54.10	+17 47.9	2.099	3.019	9.0	20.1
10 8	1 46.79	+17 42.7	2.046	3.015	5.7	19.9
10 18	1 38.43	+17 26.5	2.020	3.010	2.6	19.7
10 28	1 29.92	+17 2.1	2.023	3.005	3.4	19.8
11 7	1 22.16	+16 33.9	2.054	3.001	6.7	20.0
11 17	1 15.92	+16 6.6	2.112	2.997	10.1	20.2
11 27	1 11.76	+15 44.9	2.194	2.993	13.0	20.3

396158 2013 EE_{35} 10 19.4 295°.88 0°.3/18.9 18

9 18	1 51.02	+10 9.2	4.201	5.064	6.4	21.4
9 28	1 47.28	+ 9 41.9	4.123	5.058	4.5	21.3
10 8	1 42.81	+ 9 10.5	4.073	5.053	2.4	21.1
10 18	1 37.92	+ 8 37.0	4.052	5.048	0.4	20.9
10 28	1 33.00	+ 8 3.6	4.062	5.042	2.0	21.1
11 7	1 28.41	+ 7 32.7	4.102	5.037	4.1	21.3
11 17	1 24.49	+ 7 6.3	4.171	5.032	6.1	21.4
11 27	1 21.53	+ 6 46.2	4.266	5.027	7.8	21.5

201073 2002 EF_{161} 10 19.4 99°.61 8°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.54	− 9 4.3	1.700	2.589	12.8	19.6
9 28	1 54.03	−10 42.2	1.662	2.595	10.1	19.4
10 8	1 46.71	−12 10.7	1.648	2.601	8.3	19.3
10 18	1 38.41	−13 21.0	1.661	2.607	8.6	19.4
10 28	1 30.20	−14 6.0	1.699	2.613	10.6	19.5
11 7	1 23.05	−14 22.6	1.760	2.619	13.3	19.7
11 17	1 17.74	−14 11.2	1.843	2.624	15.8	19.9
11 27	1 14.75	−13 34.8	1.943	2.630	18.0	20.1

26449 2000 AJ_{85} 10 19.4 288°.98 5°.6/15.3 18

9 18	2 0.92	− 0 18.1	1.430	2.328	14.2	17.3
9 28	1 55.45	− 1 28.0	1.370	2.320	10.3	17.1
10 8	1 47.69	− 2 38.7	1.334	2.312	6.7	16.9
10 18	1 38.56	− 3 41.5	1.323	2.304	5.7	16.8
10 28	1 29.30	− 4 27.5	1.338	2.296	8.6	16.9
11 7	1 21.18	− 4 50.6	1.378	2.288	12.6	17.1
11 17	1 15.21	− 4 48.7	1.439	2.281	16.4	17.4
11 27	1 12.01	− 4 22.2	1.518	2.273	19.7	17.6

198737 2005 EW_{28} 10 19.4 264°.05 2°.3/17.5 18

9 18	2 0.00	+ 6 1.6	1.867	2.749	12.2	20.4
9 28	1 54.45	+ 5 18.3	1.793	2.738	8.6	20.1
10 8	1 47.03	+ 4 29.1	1.743	2.726	4.8	19.9
10 18	1 38.48	+ 3 38.8	1.721	2.714	2.3	19.7
10 28	1 29.75	+ 2 53.7	1.727	2.701	5.2	19.9
11 7	1 21.87	+ 2 19.3	1.761	2.689	9.2	20.1
11 17	1 15.67	+ 1 59.5	1.819	2.676	12.8	20.3
11 27	1 11.73	+ 1 56.6	1.899	2.664	15.9	20.5

203693 2002 NU_{63} 10 19.4 179°.65 2°.0/17.8 18

9 18	2 0.55	+ 6 36.0	1.829	2.711	12.4	21.0
9 28	1 54.76	+ 5 57.7	1.767	2.712	8.8	20.8
10 8	1 47.15	+ 5 13.6	1.729	2.712	4.8	20.6
10 18	1 38.48	+ 4 28.6	1.718	2.712	2.0	20.4
10 28	1 29.77	+ 3 48.4	1.736	2.712	4.9	20.6
11 7	1 22.00	+ 3 18.3	1.781	2.712	8.9	20.8
11 17	1 15.97	+ 3 1.9	1.851	2.711	12.5	21.0
11 27	1 12.23	+ 3 1.2	1.943	2.711	15.5	21.3

79924 1999 CS_{36} 10 19.4 285°.50 5°.9/14.1 18

9 18	1 59.26	− 4 18.6	1.859	2.749	11.9	19.3
9 28	1 53.87	− 5 22.0	1.796	2.738	8.9	19.1
10 8	1 46.69	− 6 22.2	1.758	2.727	6.4	18.9
10 18	1 38.43	− 7 12.1	1.746	2.715	6.1	18.9
10 28	1 30.06	− 7 45.4	1.762	2.704	8.3	19.0
11 7	1 22.57	− 7 57.9	1.803	2.693	11.4	19.1
11 17	1 16.73	− 7 48.3	1.867	2.682	14.4	19.3
11 27	1 13.12	− 7 17.4	1.950	2.670	17.0	19.5

458445 2011 AM_{78} 10 19.4 8°.11 5°.9/13.5 18

9 18	1 57.06	− 5 37.5	2.020	2.910	11.1	20.7
9 28	1 52.10	− 6 44.0	1.971	2.911	8.3	20.6
10 8	1 45.62	− 7 45.6	1.947	2.911	6.3	20.5
10 18	1 38.29	− 8 35.8	1.950	2.913	6.2	20.4
10 28	1 30.96	− 9 9.3	1.979	2.914	8.1	20.6
11 7	1 24.47	− 9 22.5	2.035	2.915	10.7	20.7
11 17	1 19.48	− 9 14.8	2.113	2.917	13.3	20.9
11 27	1 16.46	− 8 47.3	2.211	2.919	15.5	21.1

241757 2001 DO_{27} 10 19.4 261°.68 3°.4/16.5 18

9 18	2 0.18	+ 3 2.8	1.858	2.744	12.0	20.7
9 28	1 54.59	+ 2 10.1	1.785	2.731	8.6	20.4
10 8	1 47.12	+ 1 13.7	1.736	2.717	5.0	20.2
10 18	1 38.49	+ 0 19.3	1.715	2.703	3.5	20.1
10 28	1 29.69	− 0 26.3	1.722	2.688	6.1	20.2
11 7	1 21.74	− 0 57.9	1.755	2.673	9.9	20.4
11 17	1 15.46	− 1 11.9	1.814	2.659	13.4	20.6
11 27	1 11.46	− 1 7.0	1.893	2.644	16.5	20.8

58398 1995 VY_{4} 10 19.4 122°.50 2°.2/17.7 18

9 18	2 2.46	+ 7 28.9	1.601	2.484	13.8	19.9
9 28	1 56.20	+ 6 32.5	1.550	2.495	9.7	19.7
10 8	1 47.93	+ 5 28.5	1.522	2.506	5.2	19.4
10 18	1 38.59	+ 4 23.5	1.522	2.516	2.2	19.3
10 28	1 29.31	+ 3 24.8	1.550	2.525	5.4	19.5
11 7	1 21.23	+ 2 39.0	1.604	2.535	9.7	19.8
11 17	1 15.17	+ 2 10.4	1.683	2.544	13.5	20.0
11 27	1 11.64	+ 2 0.9	1.783	2.552	16.7	20.3

27969 1997 TT_{3} 10 19.4 291°.36 0°.2/19.2 18

9 18	1 56.91	+13 43.4	1.850	2.722	12.8	18.4
9 28	1 52.35	+12 35.8	1.764	2.703	9.2	18.1
10 8	1 45.93	+11 12.7	1.703	2.684	5.1	17.8
10 18	1 38.35	+ 9 39.0	1.669	2.665	0.6	17.5
10 28	1 30.56	+ 8 2.5	1.664	2.646	4.1	17.7
11 7	1 23.56	+ 6 31.8	1.687	2.628	8.5	17.9
11 17	1 18.19	+ 5 14.4	1.736	2.609	12.5	18.1
11 27	1 15.08	+ 4 15.7	1.806	2.590	15.9	18.3

329496 2002 RW_{72} 10 19.4 36°.38 2°.9/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.69	+17 8.8	1.040	1.925	19.4	19.9
9 28	1 57.11	+17 12.6	1.003	1.942	14.3	19.7
10 8	1 48.66	+16 55.0	0.984	1.961	8.7	19.4
10 18	1 38.68	+16 19.1	0.988	1.981	3.5	19.2
10 28	1 28.90	+15 32.3	1.016	2.001	5.1	19.4
11 7	1 20.94	+14 44.5	1.067	2.022	10.2	19.7
11 17	1 15.86	+14 4.8	1.140	2.045	15.0	20.1
11 27	1 14.18	+13 39.5	1.232	2.067	19.0	20.4

437077 2012 UT_{66} 10 19.4 40°.77 2°.7/17.7 18

9 18	2 2.33	+ 5 1.5	1.325	2.221	15.3	20.4
9 28	1 56.33	+ 4 34.3	1.284	2.235	10.7	20.2
10 8	1 48.07	+ 4 2.9	1.266	2.250	5.9	19.9
10 18	1 38.61	+ 3 33.3	1.272	2.265	2.8	19.8
10 28	1 29.31	+ 3 11.7	1.305	2.281	6.1	20.0
11 7	1 21.43	+ 3 3.3	1.362	2.298	10.6	20.3
11 17	1 15.87	+ 3 10.8	1.443	2.315	14.7	20.6
11 27	1 13.13	+ 3 34.8	1.543	2.332	18.0	20.9

349960 2010 DK_{20} 10 19.4 49°.29 6°.1/14.8 18

9 18	2 0.50	− 2 40.9	1.496	2.393	13.7	19.7
9 28	1 54.88	− 3 48.9	1.454	2.401	10.1	19.5
10 8	1 47.24	− 4 53.2	1.436	2.409	6.9	19.3
10 18	1 38.51	− 5 45.6	1.443	2.418	6.3	19.3
10 28	1 29.89	− 6 19.0	1.476	2.427	8.7	19.5
11 7	1 22.48	− 6 29.4	1.534	2.436	12.2	19.7
11 17	1 17.11	− 6 16.0	1.613	2.445	15.5	19.9
11 27	1 14.28	− 5 40.6	1.712	2.454	18.2	20.2

243500 2009 UK_{139} 10 19.4 297°.60 2°.0/21.3 17

9 18	1 59.74	+17 7.9	2.259	3.107	11.7	20.3
9 28	1 54.08	+17 12.5	2.180	3.101	8.7	20.1
10 8	1 46.78	+17 5.9	2.126	3.095	5.4	19.9
10 18	1 38.47	+16 49.0	2.099	3.090	2.4	19.7
10 28	1 30.01	+16 24.7	2.101	3.084	3.3	19.8
11 7	1 22.27	+15 57.3	2.133	3.079	6.6	20.0
11 17	1 15.99	+15 31.1	2.191	3.073	9.8	20.2
11 27	1 11.72	+15 10.7	2.272	3.068	12.7	20.4

108865 2001 OZ_{98} 10 19.4 62°.46 0°.5/19.1 18

9 18	2 2.46	+11 39.6	1.330	2.214	16.0	19.6
9 28	1 56.41	+10 57.9	1.289	2.234	11.3	19.4
10 8	1 48.09	+10 3.7	1.271	2.254	6.1	19.2
10 18	1 38.62	+ 9 3.1	1.278	2.274	0.8	18.8
10 28	1 29.36	+ 8 4.2	1.311	2.294	4.8	19.2
11 7	1 21.56	+ 7 14.9	1.370	2.314	9.7	19.5
11 17	1 16.11	+ 6 40.8	1.453	2.335	14.0	19.8
11 27	1 13.48	+ 6 24.9	1.556	2.355	17.4	20.1

274112 2008 DW_{38} 10 19.4 100°.03 0°.3/19.7 16

9 18	2 3.95	+13 13.1	1.569	2.440	14.7	21.3
9 28	1 57.29	+12 42.5	1.520	2.457	10.6	21.1
10 8	1 48.54	+11 59.1	1.494	2.474	5.8	20.9
10 18	1 38.68	+11 7.3	1.495	2.491	0.9	20.6
10 28	1 28.95	+10 13.7	1.523	2.507	4.1	20.9
11 7	1 20.52	+ 9 25.4	1.579	2.523	8.7	21.2
11 17	1 14.23	+ 8 48.0	1.660	2.538	12.7	21.5
11 27	1 10.58	+ 8 25.5	1.762	2.553	16.0	21.7

174271 2002 SV_{8} 10 19.4 324°.90 0°.4/19.1 18

9 18	2 0.70	+10 13.9	1.721	2.599	13.3	20.1
9 28	1 55.06	+ 9 57.1	1.653	2.594	9.5	19.9
10 8	1 47.42	+ 9 31.4	1.608	2.590	5.2	19.6
10 18	1 38.56	+ 9 0.3	1.590	2.586	0.7	19.3
10 28	1 29.57	+ 8 28.8	1.600	2.582	4.2	19.6
11 7	1 21.55	+ 8 2.6	1.637	2.578	8.6	19.8
11 17	1 15.37	+ 7 46.1	1.699	2.575	12.6	20.0
11 27	1 11.66	+ 7 42.6	1.782	2.572	15.9	20.3

60013 1999 TW_{26} 10 19.4 51°.19 0°.5/19.9 18

9 18	2 0.81	+12 36.8	1.830	2.699	13.0	18.8
9 28	1 54.86	+12 27.9	1.780	2.716	9.3	18.6
10 8	1 47.15	+12 9.1	1.755	2.734	5.2	18.4
10 18	1 38.51	+11 43.4	1.756	2.751	1.0	18.2
10 28	1 29.94	+11 15.2	1.785	2.769	3.5	18.4
11 7	1 22.42	+10 49.4	1.843	2.788	7.6	18.7
11 17	1 16.69	+10 30.4	1.926	2.806	11.1	19.0
11 27	1 13.23	+10 21.6	2.032	2.824	14.1	19.2

355270 2007 PQ_{47} 10 19.4 35°.54 2°.8/14.5 18

9 18	1 50.73	− 1 25.4	3.796	4.679	6.5	20.3
9 28	1 47.11	− 2 19.9	3.745	4.686	4.7	20.2
10 8	1 42.73	− 3 13.6	3.721	4.693	3.2	20.1
10 18	1 37.96	− 4 3.2	3.727	4.700	2.9	20.1
10 28	1 33.18	− 4 45.8	3.762	4.708	4.2	20.2
11 7	1 28.79	− 5 19.1	3.827	4.716	5.9	20.3
11 17	1 25.15	− 5 41.5	3.917	4.723	7.6	20.5
11 27	1 22.53	− 5 52.3	4.031	4.731	9.1	20.6

438788 2008 WR_{81} 10 19.4 3°.61 2°.9/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 56.83	+ 6 30.5	1.136	2.044	16.2	20.0
9 28	1 52.87	+ 5 44.3	1.086	2.043	11.4	19.7
10 8	1 46.39	+ 4 49.8	1.057	2.043	6.3	19.5
10 18	1 38.44	+ 3 54.8	1.051	2.044	2.9	19.3
10 28	1 30.43	+ 3 8.5	1.069	2.047	6.7	19.5
11 7	1 23.79	+ 2 38.9	1.110	2.051	11.8	19.8
11 17	1 19.54	+ 2 30.3	1.172	2.057	16.4	20.1
11 27	1 18.30	+ 2 44.1	1.253	2.064	20.1	20.4

403426 2009 SS_{129} 10 19.4 35°.16 1°.2/18.4 18

9 18	1 58.36	+ 8 34.3	1.752	2.636	12.8	20.9
9 28	1 53.18	+ 8 2.3	1.704	2.649	9.0	20.7
10 8	1 46.26	+ 7 23.3	1.680	2.663	4.8	20.5
10 18	1 38.42	+ 6 41.9	1.682	2.678	1.2	20.2
10 28	1 30.64	+ 6 3.8	1.713	2.692	4.4	20.5
11 7	1 23.88	+ 5 34.1	1.770	2.708	8.4	20.8
11 17	1 18.87	+ 5 16.5	1.852	2.724	11.9	21.0
11 27	1 16.08	+ 5 13.2	1.956	2.740	14.9	21.3

498485 2008 CE_{115} 10 19.4 172°.49 13°.0/ 6.9 17

9 18	2 0.16	−10 18.8	1.094	2.001	16.8	20.4
9 28	1 55.28	−14 2.4	1.065	2.002	14.0	20.2
10 8	1 47.71	−17 31.2	1.059	2.003	13.0	20.2
10 18	1 38.61	−20 24.4	1.077	2.003	14.4	20.3
10 28	1 29.55	−22 26.4	1.118	2.003	17.3	20.5
11 7	1 22.04	−23 32.5	1.177	2.003	20.5	20.7
11 17	1 17.13	−23 46.3	1.252	2.003	23.4	20.9
11 27	1 15.39	−23 15.9	1.338	2.003	25.7	21.1

54256 2000 JC_{30} 10 19.4 64°.21 2°.1/21.2 18

9 18	2 1.46	+16 55.8	1.842	2.698	13.6	18.5
9 28	1 55.49	+16 55.4	1.778	2.704	10.1	18.3
10 8	1 47.60	+16 41.4	1.738	2.710	6.1	18.0
10 18	1 38.60	+16 15.5	1.724	2.716	2.5	17.8
10 28	1 29.54	+15 41.6	1.738	2.722	3.7	17.9
11 7	1 21.47	+15 5.4	1.780	2.728	7.5	18.2
11 17	1 15.22	+14 32.5	1.848	2.734	11.2	18.4
11 27	1 11.36	+14 7.9	1.939	2.741	14.3	18.6

325419 2009 KA_{36} 10 19.4 102°.72 2°.5/17.5 17

9 18	2 2.72	+ 7 29.6	1.449	2.337	14.7	20.8
9 28	1 56.49	+ 6 20.2	1.405	2.352	10.3	20.6
10 8	1 48.13	+ 5 2.7	1.383	2.367	5.6	20.3
10 18	1 38.66	+ 3 44.9	1.388	2.381	2.5	20.2
10 28	1 29.34	+ 2 35.6	1.421	2.396	6.0	20.4
11 7	1 21.36	+ 1 42.2	1.480	2.409	10.4	20.7
11 17	1 15.56	+ 1 9.1	1.562	2.423	14.4	21.0
11 27	1 12.45	+ 0 57.6	1.664	2.436	17.6	21.3

481939 2009 BL_{186} 10 19.4 96°.41 1°.7/17.9 18

9 18	1 59.51	+ 7 55.5	1.803	2.685	12.6	21.4
9 28	1 54.02	+ 7 6.3	1.745	2.690	8.8	21.2
10 8	1 46.76	+ 6 9.8	1.712	2.695	4.8	20.9
10 18	1 38.49	+ 5 11.4	1.706	2.700	1.7	20.7
10 28	1 30.23	+ 4 17.6	1.728	2.705	4.8	21.0
11 7	1 22.94	+ 3 34.1	1.777	2.709	8.8	21.2
11 17	1 17.38	+ 3 5.1	1.852	2.714	12.4	21.4
11 27	1 14.08	+ 2 53.0	1.948	2.719	15.4	21.7

40209 1998 SU_{55} 10 19.4 74°.81 1°.0/20.4 18

9 18	1 59.95	+14 43.6	2.132	2.990	11.9	18.8
9 28	1 54.10	+14 30.7	2.077	3.006	8.6	18.7
10 8	1 46.71	+14 7.4	2.046	3.021	5.0	18.5
10 18	1 38.49	+13 36.0	2.042	3.037	1.4	18.3
10 28	1 30.30	+13 0.7	2.068	3.052	3.1	18.4
11 7	1 23.00	+12 26.2	2.123	3.068	6.7	18.7
11 17	1 17.25	+11 56.8	2.204	3.083	10.0	18.9
11 27	1 13.53	+11 36.2	2.309	3.099	12.7	19.1

232517 2003 QX_{109} 10 19.4 337°.76 15°.0/ 4.5 16

9 18	2 4.40	+51 5.0	1.931	2.574	20.0	19.7
9 28	1 59.02	+52 43.0	1.848	2.560	18.7	19.5
10 8	1 50.26	+53 50.4	1.779	2.546	17.3	19.4
10 18	1 39.00	+54 19.5	1.727	2.534	16.1	19.3
10 28	1 26.91	+54 5.7	1.693	2.522	15.2	19.2
11 7	1 15.97	+53 10.5	1.679	2.511	15.1	19.2
11 17	1 7.90	+51 41.1	1.684	2.501	15.6	19.2
11 27	1 3.79	+49 49.1	1.709	2.491	16.8	19.2

162465 2000 JU_{81} 10 19.4 54°.37 1°.4/18.7 17

9 18	2 5.88	+ 8 32.5	1.050	1.948	18.2	19.7
9 28	1 59.23	+ 8 12.5	1.015	1.966	12.8	19.5
10 8	1 49.77	+ 7 42.8	1.000	1.985	6.9	19.2
10 18	1 38.87	+ 7 9.3	1.009	2.005	1.5	18.9
10 28	1 28.27	+ 6 40.0	1.042	2.025	5.9	19.3
11 7	1 19.54	+ 6 21.9	1.100	2.045	11.4	19.7
11 17	1 13.72	+ 6 19.4	1.179	2.065	16.1	20.0
11 27	1 11.28	+ 6 34.3	1.276	2.086	19.9	20.3

308815 2006 QQ_{147} 10 19.4 328°.40 5°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 55.75	+ 0 30.4	1.592	2.494	12.8	19.8
9 28	1 51.62	− 1 10.1	1.532	2.483	9.3	19.6
10 8	1 45.56	− 2 53.7	1.496	2.473	6.2	19.4
10 18	1 38.36	− 4 30.8	1.486	2.464	5.7	19.4
10 28	1 31.04	− 5 51.6	1.502	2.455	8.4	19.5
11 7	1 24.66	− 6 48.9	1.544	2.446	12.1	19.7
11 17	1 20.06	− 7 19.3	1.607	2.438	15.6	19.9
11 27	1 17.82	− 7 22.6	1.689	2.431	18.5	20.1

190266 2007 UU_{32} 10 19.4 320°.63 7°.7/12.1 18

9 18	1 56.59	− 5 33.3	1.568	2.468	13.0	19.6
9 28	1 52.25	− 7 20.6	1.512	2.456	10.0	19.4
10 8	1 45.92	− 9 4.4	1.480	2.444	7.9	19.3
10 18	1 38.40	−10 34.1	1.474	2.433	8.1	19.2
10 28	1 30.77	−11 40.4	1.492	2.422	10.6	19.4
11 7	1 24.10	−12 17.4	1.535	2.411	13.8	19.5
11 17	1 19.27	−12 23.7	1.598	2.401	16.9	19.7
11 27	1 16.88	−12 1.0	1.677	2.392	19.6	19.9

21008 1988 PE 10 19.4 59°.33 6°.1/23.4 18

9 18	2 9.59	+23 57.5	1.208	2.052	19.9	17.3
9 28	2 1.79	+24 33.8	1.173	2.083	15.4	17.1
10 8	1 51.14	+24 43.1	1.158	2.114	10.7	16.9
10 18	1 39.05	+24 24.9	1.166	2.144	6.9	16.8
10 28	1 27.29	+23 44.3	1.200	2.175	6.6	16.9
11 7	1 17.50	+22 51.0	1.258	2.206	9.9	17.2
11 17	1 10.72	+21 55.6	1.340	2.237	13.8	17.5
11 27	1 7.42	+21 7.5	1.442	2.267	17.2	17.8

376098 2010 VJ_{174} 10 19.4 100°.69 1°.5/20.4 15

9 18	2 7.70	+14 33.9	1.464	2.329	15.9	21.2
9 28	2 0.15	+14 37.4	1.413	2.345	11.6	21.0
10 8	1 50.20	+14 26.9	1.385	2.362	6.7	20.8
10 18	1 38.94	+14 4.7	1.384	2.378	2.0	20.5
10 28	1 27.78	+13 35.7	1.409	2.394	4.2	20.7
11 7	1 18.07	+13 6.5	1.462	2.409	9.0	21.0
11 17	1 10.78	+12 43.1	1.540	2.424	13.2	21.3
11 27	1 6.48	+12 30.4	1.639	2.438	16.6	21.6

206443 2003 SY_{234} 10 19.4 282°.71 0°.7/18.9 18

9 18	2 0.64	+10 17.9	1.718	2.596	13.3	20.2
9 28	1 55.02	+ 9 48.5	1.651	2.593	9.5	20.0
10 8	1 47.41	+ 9 9.5	1.607	2.590	5.1	19.7
10 18	1 38.61	+ 8 25.1	1.590	2.586	0.8	19.4
10 28	1 29.69	+ 7 41.0	1.601	2.583	4.3	19.7
11 7	1 21.76	+ 7 3.3	1.640	2.580	8.7	19.9
11 17	1 15.67	+ 6 37.1	1.703	2.577	12.7	20.2
11 27	1 12.03	+ 6 25.6	1.787	2.574	16.0	20.4

129410 2150 T-3 10 19.5 325°.39 1°.4/20.9 18

9 18	1 56.29	+17 28.3	1.990	2.848	12.6	19.6
9 28	1 51.78	+16 46.9	1.913	2.841	9.3	19.4
10 8	1 45.58	+15 50.0	1.860	2.834	5.6	19.2
10 18	1 38.38	+14 41.0	1.834	2.828	1.9	18.9
10 28	1 31.06	+13 25.6	1.837	2.822	3.3	19.0
11 7	1 24.54	+12 10.7	1.867	2.815	7.2	19.2
11 17	1 19.58	+11 3.1	1.924	2.810	10.9	19.4
11 27	1 16.70	+10 8.2	2.004	2.804	14.0	19.6

304215 2006 QS_{136} 10 19.5 25°.40 7°.7/12.6 18

9 18	1 56.93	− 5 40.4	1.502	2.404	13.4	19.4
9 28	1 52.37	− 7 23.5	1.466	2.410	10.2	19.2
10 8	1 45.91	− 8 59.9	1.453	2.417	8.0	19.1
10 18	1 38.41	−10 19.8	1.465	2.425	8.1	19.1
10 28	1 30.99	−11 14.7	1.502	2.433	10.4	19.3
11 7	1 24.70	−11 40.4	1.563	2.442	13.4	19.5
11 17	1 20.32	−11 37.0	1.644	2.452	16.3	19.7
11 27	1 18.32	−11 7.0	1.743	2.462	18.8	19.9

514212 2015 NP_{23} 10 19.5 62°.76 3°.3/16.9 18

9 18	2 1.27	+ 3 41.4	1.604	2.494	13.4	20.8
9 28	1 55.23	+ 2 50.9	1.567	2.515	9.4	20.6
10 8	1 47.37	+ 1 58.1	1.555	2.537	5.3	20.4
10 18	1 38.59	+ 1 9.3	1.569	2.558	3.3	20.3
10 28	1 30.01	+ 0 30.8	1.610	2.580	6.1	20.6
11 7	1 22.64	+ 0 7.5	1.678	2.601	9.9	20.8
11 17	1 17.23	+ 0 1.5	1.770	2.623	13.3	21.1
11 27	1 14.22	+ 0 13.2	1.882	2.645	16.1	21.4

98720 2000 XC_{54} 10 19.5 310°.32 6°.6/23.8 18

9 18	2 5.94	+25 48.9	1.668	2.487	16.4	18.8
9 28	1 59.28	+26 45.0	1.591	2.482	13.2	18.6
10 8	1 50.00	+27 21.2	1.536	2.477	9.9	18.3
10 18	1 38.98	+27 34.2	1.505	2.471	7.2	18.2
10 28	1 27.54	+27 24.5	1.500	2.466	6.9	18.2
11 7	1 17.16	+26 56.7	1.522	2.461	9.4	18.3
11 17	1 9.03	+26 18.5	1.569	2.457	12.7	18.5
11 27	1 3.96	+25 38.9	1.638	2.452	16.0	18.7

85977 1999 GZ_{42} 10 19.5 269°.36 4°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.06	+ 0 10.0	2.148	3.034	10.7	19.6
9 28	1 52.96	− 1 12.4	2.067	3.011	7.7	19.4
10 8	1 46.23	− 2 37.6	2.012	2.987	5.1	19.2
10 18	1 38.48	− 3 58.9	1.986	2.963	4.6	19.1
10 28	1 30.52	− 5 9.3	1.988	2.939	6.9	19.2
11 7	1 23.21	− 6 2.9	2.018	2.914	10.0	19.4
11 17	1 17.30	− 6 36.3	2.073	2.889	13.1	19.6
11 27	1 13.36	− 6 48.2	2.147	2.863	15.7	19.7

488621 2002 TR_{259} 10 19.5 334°.03 2°.1/17.6 17

9 18	1 49.33	+12 40.0	1.101	2.010	16.5	20.3
9 28	1 48.02	+10 55.5	1.006	1.964	11.9	19.9
10 8	1 44.09	+ 8 39.0	0.932	1.920	6.5	19.5
10 18	1 38.24	+ 5 58.2	0.881	1.877	2.1	19.0
10 28	1 31.74	+ 3 9.1	0.855	1.835	7.4	19.2
11 7	1 26.15	+ 0 31.4	0.851	1.795	13.9	19.4
11 17	1 22.87	− 1 37.2	0.867	1.758	20.0	19.6
11 27	1 22.93	− 3 5.8	0.899	1.724	25.1	19.8

362742 2011 UM_{315} 10 19.5 293°.10 4°.2/16.2 18

9 18	2 1.05	− 0 13.4	1.828	2.715	12.1	20.9
9 28	1 55.25	− 0 48.7	1.758	2.703	8.8	20.7
10 8	1 47.53	− 1 23.6	1.712	2.690	5.5	20.5
10 18	1 38.65	− 1 52.7	1.694	2.677	4.3	20.4
10 28	1 29.60	− 2 10.4	1.703	2.665	6.7	20.5
11 7	1 21.44	− 2 12.7	1.739	2.652	10.3	20.7
11 17	1 14.99	− 1 57.7	1.798	2.640	13.7	20.9
11 27	1 10.88	− 1 25.3	1.879	2.628	16.6	21.1

309575 2008 AY_{68} 10 19.5 273°.17 3°.1/22.3 18

9 18	2 0.10	+20 42.5	1.952	2.793	13.5	21.1
9 28	1 54.62	+20 36.7	1.872	2.785	10.3	20.8
10 8	1 47.21	+20 14.4	1.814	2.778	6.8	20.6
10 18	1 38.61	+19 36.5	1.784	2.770	3.6	20.4
10 28	1 29.82	+18 46.8	1.781	2.762	4.0	20.4
11 7	1 21.88	+17 51.2	1.806	2.755	7.4	20.6
11 17	1 15.65	+16 56.6	1.857	2.747	11.0	20.8
11 27	1 11.75	+16 9.3	1.932	2.739	14.2	21.0

115294 2003 SB_{199} 10 19.5 67°.50 3°.1/21.9 18

9 18	2 4.55	+19 3.8	2.205	3.039	12.4	19.3
9 28	1 57.47	+19 38.4	2.142	3.052	9.4	19.1
10 8	1 48.64	+20 0.7	2.104	3.065	6.2	18.9
10 18	1 38.79	+20 10.7	2.093	3.078	3.4	18.8
10 28	1 28.87	+20 9.9	2.112	3.091	3.9	18.8
11 7	1 19.85	+20 2.0	2.161	3.104	6.7	19.0
11 17	1 12.49	+19 51.2	2.236	3.117	9.8	19.3
11 27	1 7.34	+19 42.2	2.336	3.130	12.4	19.5

509398 2007 DX_{20} 10 19.5 209°.98 0°.0/19.4 18

9 18	2 2.53	+12 4.5	1.867	2.734	12.9	22.8
9 28	1 56.29	+11 35.7	1.793	2.729	9.3	22.6
10 8	1 48.09	+10 56.0	1.743	2.723	5.1	22.3
10 18	1 38.72	+10 9.0	1.721	2.718	0.7	22.0
10 28	1 29.21	+ 9 20.0	1.729	2.711	3.9	22.2
11 7	1 20.62	+ 8 35.2	1.764	2.704	8.2	22.5
11 17	1 13.81	+ 7 59.9	1.825	2.697	12.1	22.7
11 27	1 9.38	+ 7 38.0	1.908	2.689	15.3	22.9

228057 2008 JA_{20} 10 19.5 103°.75 0°.1/19.5 16

9 18	2 3.28	+12 51.4	1.612	2.483	14.4	21.2
9 28	1 56.80	+12 13.9	1.561	2.499	10.3	21.0
10 8	1 48.31	+11 24.1	1.535	2.515	5.6	20.8
10 18	1 38.74	+10 26.7	1.535	2.531	0.7	20.5
10 28	1 29.28	+ 9 28.3	1.563	2.546	4.1	20.8
11 7	1 21.06	+ 8 36.2	1.618	2.561	8.6	21.1
11 17	1 14.91	+ 7 55.9	1.699	2.575	12.6	21.4
11 27	1 11.32	+ 7 31.1	1.801	2.589	15.8	21.6

483282 2015 TC_{283} 10 19.5 249°.51 0°.8/20.2 18

9 18	1 58.33	+15 4.6	2.215	3.073	11.5	21.8
9 28	1 53.11	+14 29.3	2.133	3.062	8.4	21.6
10 8	1 46.29	+13 41.8	2.075	3.051	4.8	21.3
10 18	1 38.50	+12 45.3	2.045	3.040	1.2	21.0
10 28	1 30.56	+11 44.3	2.045	3.029	3.2	21.2
11 7	1 23.33	+10 44.8	2.073	3.017	6.9	21.4
11 17	1 17.54	+ 9 52.1	2.129	3.005	10.4	21.6
11 27	1 13.71	+ 9 10.9	2.208	2.993	13.3	21.8

454687 2014 RR_{16} 10 19.5 135°.58 6°.1/26.0 18

9 18	2 2.13	+31 21.2	2.485	3.255	13.0	20.6
9 28	1 55.83	+31 50.1	2.409	3.260	10.8	20.5
10 8	1 47.79	+32 0.3	2.355	3.265	8.5	20.3
10 18	1 38.70	+31 50.6	2.326	3.270	6.6	20.2
10 28	1 29.46	+31 22.0	2.326	3.275	6.1	20.2
11 7	1 21.01	+30 38.6	2.353	3.279	7.3	20.3
11 17	1 14.12	+29 46.1	2.407	3.284	9.3	20.4
11 27	1 9.36	+28 51.1	2.486	3.288	11.5	20.6

68190 2001 BD_{58} 10 19.5 166°.28 2°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.88	+20 16.9	2.263	3.100	12.0	19.3
9 28	1 53.46	+20 6.9	2.189	3.101	9.1	19.1
10 8	1 46.46	+19 42.8	2.138	3.101	5.9	18.9
10 18	1 38.52	+19 5.9	2.115	3.102	3.1	18.7
10 28	1 30.49	+18 19.6	2.121	3.102	3.4	18.7
11 7	1 23.23	+17 29.2	2.155	3.103	6.4	18.9
11 17	1 17.44	+16 40.0	2.217	3.103	9.6	19.1
11 27	1 13.63	+15 57.3	2.303	3.103	12.4	19.3

327771 2006 UK_{91} 10 19.5 40°.55 1°.8/18.1 15

9 18	1 59.45	+10 29.2	1.070	1.972	17.5	19.7
9 28	1 54.64	+ 9 15.2	1.034	1.988	12.3	19.5
10 8	1 47.30	+ 7 47.5	1.019	2.005	6.5	19.2
10 18	1 38.62	+ 6 16.0	1.027	2.022	1.8	19.0
10 28	1 30.18	+ 4 52.5	1.060	2.041	6.2	19.4
11 7	1 23.36	+ 3 47.2	1.117	2.060	11.5	19.7
11 17	1 19.12	+ 3 6.0	1.195	2.080	16.1	20.0
11 27	1 17.91	+ 2 50.6	1.292	2.100	19.8	20.4

168790 2000 SR_{36} 10 19.5 315°.50 0°.5/19.8 18

9 18	2 3.06	+12 35.7	1.247	2.133	16.8	19.7
9 28	1 57.45	+12 25.3	1.182	2.126	12.2	19.4
10 8	1 49.05	+12 0.4	1.137	2.119	6.9	19.1
10 18	1 38.89	+11 24.6	1.116	2.112	1.2	18.7
10 28	1 28.46	+10 44.4	1.121	2.106	4.9	19.0
11 7	1 19.35	+10 7.8	1.150	2.100	10.5	19.3
11 17	1 12.77	+ 9 42.1	1.202	2.094	15.5	19.6
11 27	1 9.47	+ 9 32.5	1.273	2.089	19.6	19.8

444569 2006 TE_{47} 10 19.5 332°.22 1°.1/18.6 16 R

9 18	1 59.86	+ 8 28.6	1.736	2.618	13.0	21.1
9 28	1 54.47	+ 8 6.2	1.668	2.612	9.2	20.9
10 8	1 47.14	+ 7 36.4	1.624	2.607	5.0	20.7
10 18	1 38.63	+ 7 3.2	1.606	2.602	1.2	20.4
10 28	1 29.98	+ 6 32.0	1.617	2.597	4.5	20.6
11 7	1 22.27	+ 6 8.1	1.654	2.593	8.8	20.9
11 17	1 16.36	+ 5 55.5	1.716	2.589	12.7	21.1
11 27	1 12.84	+ 5 57.0	1.799	2.585	15.9	21.3

246750 2009 BV_{133} 10 19.5 265°.57 1°.4/18.3 18

9 18	1 59.65	+ 8 46.3	1.782	2.663	12.7	21.0
9 28	1 54.24	+ 8 2.7	1.717	2.661	9.0	20.8
10 8	1 46.97	+ 7 10.7	1.676	2.659	4.9	20.6
10 18	1 38.60	+ 6 15.3	1.662	2.657	1.4	20.3
10 28	1 30.16	+ 5 22.8	1.676	2.654	4.6	20.5
11 7	1 22.65	+ 4 39.4	1.717	2.652	8.8	20.8
11 17	1 16.90	+ 4 9.6	1.783	2.650	12.6	21.0
11 27	1 13.45	+ 3 56.2	1.871	2.648	15.7	21.2

324278 2006 CQ_{37} 10 19.5 95°.06 5°.2/25.3 17

9 18	2 0.53	+28 59.9	2.410	3.198	12.9	20.7
9 28	1 54.62	+29 13.7	2.340	3.209	10.5	20.5
10 8	1 47.10	+29 9.2	2.293	3.219	7.9	20.4
10 18	1 38.63	+28 46.1	2.272	3.229	5.8	20.3
10 28	1 30.09	+28 6.5	2.278	3.239	5.3	20.3
11 7	1 22.38	+27 15.1	2.313	3.249	6.8	20.4
11 17	1 16.21	+26 17.7	2.375	3.259	9.1	20.6
11 27	1 12.09	+25 20.7	2.462	3.269	11.5	20.7

16692 1994 VO_{1} 10 19.5 341°.90 0°.8/19.9 18

9 18	1 58.42	+14 1.7	1.022	1.921	18.4	17.9
9 28	1 54.51	+13 38.8	0.961	1.911	13.5	17.6
10 8	1 47.59	+12 56.0	0.919	1.902	7.7	17.3
10 18	1 38.72	+11 57.9	0.898	1.894	1.5	16.9
10 28	1 29.55	+10 53.5	0.901	1.887	5.3	17.1
11 7	1 21.84	+ 9 54.2	0.927	1.882	11.5	17.4
11 17	1 16.89	+ 9 9.9	0.972	1.877	17.0	17.7
11 27	1 15.49	+ 8 46.8	1.036	1.874	21.5	18.0

67152 2000 AM_{189} 10 19.5 344°.11 1°.1/20.5 18

9 18	1 52.82	+17 58.4	1.233	2.119	16.9	17.6
9 28	1 50.11	+16 45.2	1.163	2.106	12.4	17.3
10 8	1 45.00	+15 5.3	1.114	2.094	7.3	17.0
10 18	1 38.38	+13 4.8	1.088	2.083	1.8	16.6
10 28	1 31.55	+10 55.7	1.087	2.073	4.6	16.8
11 7	1 25.88	+ 8 52.3	1.111	2.065	10.2	17.1
11 17	1 22.41	+ 7 7.2	1.159	2.059	15.2	17.3
11 27	1 21.82	+ 5 48.6	1.225	2.054	19.5	17.6

153284 Frieman 10 19.5 194°.49 1°.9/17.5 18

9 18	1 58.88	+ 5 0.7	2.474	3.350	9.8	20.2
9 28	1 53.26	+ 4 28.6	2.407	3.348	6.9	20.0
10 8	1 46.29	+ 3 53.3	2.365	3.346	3.8	19.8
10 18	1 38.53	+ 3 18.5	2.353	3.344	1.9	19.7
10 28	1 30.73	+ 2 48.1	2.370	3.342	4.2	19.9
11 7	1 23.60	+ 2 25.8	2.416	3.340	7.3	20.1
11 17	1 17.74	+ 2 14.2	2.489	3.337	10.1	20.2
11 27	1 13.63	+ 2 14.8	2.585	3.334	12.6	20.4

234086 1999 TV_{113} 10 19.5 16°.58 1°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.07	+15 18.5	1.083	1.977	18.1	19.4
9 28	1 53.88	+15 14.3	1.039	1.985	13.2	19.1
10 8	1 47.02	+14 51.4	1.015	1.995	7.8	18.9
10 18	1 38.63	+14 13.8	1.012	2.007	2.4	18.6
10 28	1 30.29	+13 28.7	1.034	2.020	4.7	18.8
11 7	1 23.47	+12 45.5	1.079	2.035	10.1	19.2
11 17	1 19.25	+12 11.9	1.145	2.051	14.8	19.5
11 27	1 18.17	+11 53.7	1.231	2.069	18.8	19.8

516368 2017 DY_{52} 10 19.5 67°.17 6°.4/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.66	+31 8.5	2.218	2.998	14.1	20.7
9 28	1 55.62	+31 36.7	2.149	3.008	11.7	20.6
10 8	1 47.73	+31 44.4	2.102	3.017	9.1	20.4
10 18	1 38.73	+31 30.3	2.080	3.027	7.1	20.3
10 28	1 29.63	+30 56.0	2.085	3.037	6.5	20.3
11 7	1 21.44	+30 6.3	2.117	3.047	7.7	20.4
11 17	1 14.97	+29 7.7	2.175	3.057	9.9	20.6
11 27	1 10.80	+28 7.5	2.258	3.067	12.3	20.7

241104 2007 JG_{12} 10 19.5 45°.87 8°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.80	− 6 19.3	1.388	2.288	14.4	19.5
9 28	1 54.48	− 7 52.1	1.356	2.300	11.0	19.4
10 8	1 47.09	− 9 16.2	1.347	2.312	8.5	19.3
10 18	1 38.63	−10 21.8	1.363	2.324	8.4	19.3
10 28	1 30.34	−11 0.9	1.403	2.337	10.8	19.5
11 7	1 23.36	−11 10.4	1.467	2.350	13.9	19.7
11 17	1 18.50	−10 50.9	1.551	2.364	16.9	19.9
11 27	1 16.23	−10 6.2	1.652	2.378	19.4	20.2

152301 2005 TN_{57} 10 19.5 230°.67 0°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.05	+10 27.8	1.633	2.509	14.0	20.2
9 28	1 56.87	+10 7.3	1.565	2.506	10.0	19.9
10 8	1 48.52	+ 9 36.9	1.520	2.502	5.5	19.6
10 18	1 38.84	+ 9 0.5	1.502	2.498	0.7	19.3
10 28	1 29.02	+ 8 23.5	1.511	2.494	4.4	19.6
11 7	1 20.25	+ 7 52.1	1.548	2.489	9.0	19.8
11 17	1 13.49	+ 7 31.4	1.609	2.485	13.2	20.1
11 27	1 9.36	+ 7 25.0	1.692	2.480	16.7	20.3

454957 2015 TY_{197} 10 19.5 328°.61 0°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.57	+ 9 28.3	1.790	2.668	12.8	20.9
9 28	1 54.98	+ 9 19.0	1.719	2.661	9.2	20.6
10 8	1 47.44	+ 9 2.1	1.672	2.654	5.0	20.4
10 18	1 38.70	+ 8 40.8	1.651	2.647	0.7	20.0
10 28	1 29.81	+ 8 19.5	1.659	2.641	4.1	20.3
11 7	1 21.81	+ 8 3.1	1.694	2.635	8.4	20.5
11 17	1 15.58	+ 7 55.5	1.754	2.630	12.3	20.8
11 27	1 11.72	+ 7 59.7	1.836	2.625	15.5	21.0

84112 2002 RG_{21} 10 19.5 273°.51 3°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.49	+ 4 55.2	1.444	2.338	14.3	19.5
9 28	1 55.17	+ 3 43.5	1.384	2.334	10.1	19.2
10 8	1 47.61	+ 2 25.0	1.347	2.330	5.8	18.9
10 18	1 38.72	+ 1 7.6	1.336	2.326	3.7	18.8
10 28	1 29.74	+ 0 0.8	1.351	2.321	7.0	19.0
11 7	1 21.90	− 0 48.0	1.392	2.317	11.4	19.2
11 17	1 16.17	− 1 14.1	1.456	2.313	15.4	19.5
11 27	1 13.15	− 1 16.4	1.539	2.309	18.8	19.7

283653 2002 LH_{13} 10 19.5 45°.58 3°.6/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.53	+ 4 50.1	1.276	2.174	15.5	20.2
9 28	1 55.60	+ 3 42.7	1.254	2.206	10.8	20.0
10 8	1 47.61	+ 2 32.3	1.255	2.239	6.0	19.8
10 18	1 38.69	+ 1 27.4	1.281	2.272	3.6	19.8
10 28	1 30.17	+ 0 36.1	1.333	2.305	6.8	20.0
11 7	1 23.19	+ 0 4.1	1.410	2.338	11.0	20.4
11 17	1 18.50	− 0 6.6	1.510	2.372	14.7	20.7
11 27	1 16.46	+ 0 3.5	1.628	2.406	17.7	21.0

355519 2008 AE_{38} 10 19.5 64°.61 3°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.47	+ 2 41.8	1.881	2.770	11.8	21.2
9 28	1 53.26	+ 1 39.5	1.825	2.772	8.3	21.0
10 8	1 46.38	+ 0 34.6	1.793	2.774	5.0	20.8
10 18	1 38.56	− 0 26.7	1.789	2.776	3.6	20.7
10 28	1 30.72	− 1 17.9	1.813	2.777	6.1	20.9
11 7	1 23.78	− 1 53.9	1.864	2.779	9.6	21.1
11 17	1 18.46	− 2 11.7	1.939	2.781	12.8	21.3
11 27	1 15.26	− 2 10.7	2.035	2.783	15.5	21.5

148332 2000 QY_{134} 10 19.5 343°.13 8°.5/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.94	+26 36.9	1.424	2.255	18.1	18.5
9 28	1 57.65	+28 4.5	1.345	2.240	15.0	18.2
10 8	1 49.39	+29 12.0	1.287	2.225	11.6	18.0
10 18	1 39.00	+29 53.6	1.251	2.212	9.0	17.8
10 28	1 27.94	+30 7.6	1.239	2.200	8.7	17.8
11 7	1 17.90	+29 57.2	1.251	2.190	11.0	17.9
11 17	1 10.35	+29 30.4	1.286	2.181	14.4	18.1
11 27	1 6.29	+28 57.5	1.341	2.173	17.9	18.3

195341 2002 ER_{146} 10 19.5 247°.17 0°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.27	+ 9 52.7	1.804	2.679	12.9	20.5
9 28	1 55.48	+ 9 20.2	1.729	2.670	9.2	20.2
10 8	1 47.72	+ 8 38.5	1.680	2.662	5.0	20.0
10 18	1 38.75	+ 7 51.5	1.657	2.652	0.9	19.7
10 28	1 29.60	+ 7 5.2	1.662	2.643	4.3	19.9
11 7	1 21.36	+ 6 25.5	1.695	2.634	8.7	20.1
11 17	1 14.90	+ 5 57.3	1.754	2.624	12.6	20.4
11 27	1 10.83	+ 5 44.1	1.834	2.614	15.9	20.6

481637 2007 VM_{74} 10 19.5 282°.20 1°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.77	+ 7 9.0	1.796	2.677	12.6	22.0
9 28	1 55.09	+ 6 40.0	1.725	2.670	9.0	21.7
10 8	1 47.49	+ 6 4.7	1.680	2.662	4.9	21.5
10 18	1 38.71	+ 5 27.5	1.661	2.655	1.7	21.2
10 28	1 29.80	+ 4 53.7	1.670	2.648	4.8	21.4
11 7	1 21.79	+ 4 28.7	1.707	2.641	8.9	21.7
11 17	1 15.54	+ 4 16.4	1.768	2.634	12.7	21.9
11 27	1 11.64	+ 4 19.0	1.851	2.626	15.9	22.1

337281 2000 WC_{15} 10 19.5 3°.36 3°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.45	+ 3 37.1	1.194	2.096	16.1	18.6
9 28	1 56.88	+ 3 34.4	1.142	2.095	11.5	18.3
10 8	1 48.67	+ 3 29.7	1.110	2.095	6.5	18.0
10 18	1 38.87	+ 3 27.9	1.102	2.096	3.0	17.8
10 28	1 29.00	+ 3 34.5	1.120	2.098	6.5	18.1
11 7	1 20.55	+ 3 53.6	1.161	2.101	11.5	18.3
11 17	1 14.62	+ 4 27.3	1.224	2.106	16.0	18.6
11 27	1 11.86	+ 5 16.0	1.306	2.111	19.8	18.9

358718 2008 BV_{28} 10 19.5 299°.82 3°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.69	+ 3 28.6	1.809	2.699	12.2	21.6
9 28	1 53.58	+ 2 35.2	1.742	2.690	8.6	21.3
10 8	1 46.64	+ 1 38.0	1.700	2.681	5.0	21.1
10 18	1 38.60	+ 0 42.9	1.684	2.673	3.4	21.0
10 28	1 30.45	− 0 3.5	1.697	2.665	6.0	21.1
11 7	1 23.17	− 0 35.8	1.736	2.656	9.8	21.4
11 17	1 17.57	− 0 50.4	1.799	2.648	13.3	21.6
11 27	1 14.21	− 0 46.3	1.882	2.641	16.3	21.8

350195 2011 YE_{2} 10 19.5 348°.56 7°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.45	− 7 20.7	1.743	2.637	12.3	19.5
9 28	1 52.66	− 8 45.7	1.695	2.634	9.5	19.4
10 8	1 46.10	−10 4.0	1.671	2.631	7.6	19.3
10 18	1 38.53	−11 7.3	1.673	2.628	7.7	19.3
10 28	1 30.94	−11 48.7	1.701	2.626	9.8	19.4
11 7	1 24.30	−12 4.3	1.752	2.625	12.6	19.6
11 17	1 19.37	−11 53.8	1.826	2.624	15.3	19.7
11 27	1 16.66	−11 19.2	1.917	2.623	17.7	19.9

401788 2014 FB_{54} 10 19.5 61°.01 14°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.28	−35 59.1	1.965	2.744	15.7	19.8
9 28	1 59.14	−37 6.4	1.980	2.776	14.9	19.8
10 8	1 49.32	−37 42.1	2.014	2.808	14.7	19.9
10 18	1 38.90	−37 41.6	2.068	2.840	14.9	20.0
10 28	1 29.07	−37 4.3	2.141	2.871	15.6	20.1
11 7	1 20.82	−35 53.9	2.232	2.903	16.5	20.2
11 17	1 14.74	−34 16.2	2.340	2.934	17.3	20.4
11 27	1 11.16	−32 17.9	2.461	2.965	18.1	20.6

246825 2009 TK_{43} 10 19.5 174°.42 2°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.88	+ 3 2.1	2.495	3.374	9.6	20.7
9 28	1 52.53	+ 2 23.5	2.432	3.374	6.8	20.5
10 8	1 45.89	+ 1 43.2	2.395	3.375	3.9	20.3
10 18	1 38.51	+ 1 4.9	2.388	3.376	2.6	20.2
10 28	1 31.10	+ 0 33.0	2.409	3.376	4.6	20.4
11 7	1 24.36	+ 0 10.9	2.460	3.377	7.5	20.5
11 17	1 18.87	+ 0 0.8	2.537	3.377	10.2	20.7
11 27	1 15.06	+ 0 3.9	2.636	3.377	12.5	20.9

453753 2011 CH_{72} 10 19.5 267°.42 2°.3/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.89	+20 1.5	2.478	3.313	11.2	21.7
9 28	1 52.77	+19 42.8	2.385	3.297	8.5	21.5
10 8	1 46.14	+19 10.4	2.316	3.280	5.5	21.2
10 18	1 38.55	+18 25.8	2.275	3.263	2.7	21.0
10 28	1 30.79	+17 32.2	2.264	3.246	3.2	21.0
11 7	1 23.63	+16 34.5	2.281	3.228	6.2	21.2
11 17	1 17.77	+15 38.2	2.327	3.211	9.3	21.4
11 27	1 13.74	+14 48.4	2.397	3.193	12.1	21.5

395113 2009 VB_{50} 10 19.5 40°.07 7°.0/28.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.07	+35 57.7	1.722	2.495	17.8	19.4
9 28	1 53.85	+35 7.8	1.673	2.526	14.7	19.3
10 8	1 46.68	+33 45.7	1.644	2.557	11.4	19.1
10 18	1 38.59	+31 53.7	1.639	2.588	8.4	19.0
10 28	1 30.81	+29 38.7	1.660	2.620	7.0	19.0
11 7	1 24.39	+27 12.3	1.709	2.652	8.2	19.2
11 17	1 20.07	+24 46.6	1.786	2.685	10.8	19.4
11 27	1 18.23	+22 32.4	1.888	2.718	13.5	19.6

380714 2005 NF_{93} 10 19.5 12°.72 3°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.23	+ 5 37.4	1.192	2.097	15.8	19.8
9 28	1 53.79	+ 4 19.0	1.143	2.099	11.1	19.5
10 8	1 46.92	+ 2 52.4	1.117	2.102	6.3	19.2
10 18	1 38.66	+ 1 27.7	1.114	2.105	3.9	19.1
10 28	1 30.39	+ 0 15.7	1.136	2.109	7.5	19.3
11 7	1 23.49	− 0 34.7	1.182	2.113	12.3	19.6
11 17	1 18.92	− 0 59.3	1.249	2.119	16.6	19.9
11 27	1 17.27	− 0 57.2	1.334	2.125	20.2	20.2

328626 2009 SG_{159} 10 19.5 226°.12 1°.3/21.2 18

9 18	1 56.49	+19 13.0	2.542	3.382	10.8	21.1
9 28	1 51.63	+18 9.4	2.458	3.376	8.0	21.0
10 8	1 45.43	+16 51.1	2.400	3.370	4.8	20.8
10 18	1 38.46	+15 21.4	2.371	3.364	1.8	20.5
10 28	1 31.44	+13 45.8	2.373	3.358	2.8	20.6
11 7	1 25.08	+12 10.5	2.406	3.351	6.0	20.8
11 17	1 19.97	+10 41.8	2.467	3.344	9.1	21.0
11 27	1 16.58	+ 9 24.8	2.554	3.337	11.8	21.2

104293 2000 EN_{166} 10 19.5 264°.26 0°.4/19.8 18 R

9 18	2 4.32	+11 15.9	1.954	2.818	12.6	19.6
9 28	1 57.66	+11 23.4	1.871	2.804	9.1	19.3
10 8	1 48.96	+11 23.0	1.811	2.790	5.1	19.0
10 18	1 38.95	+11 16.5	1.780	2.775	0.9	18.7
10 28	1 28.65	+11 6.9	1.777	2.761	3.7	18.9
11 7	1 19.15	+10 58.4	1.804	2.746	7.9	19.1
11 17	1 11.37	+10 54.8	1.857	2.731	11.8	19.3
11 27	1 5.98	+10 59.9	1.932	2.716	15.1	19.5

404661 2014 HZ_{122} 10 19.5 185°.35 1°.6/21.2 18

9 18	1 59.15	+18 45.8	2.041	2.888	12.8	21.0
9 28	1 53.77	+17 55.5	1.967	2.888	9.5	20.8
10 8	1 46.69	+16 48.7	1.917	2.888	5.7	20.6
10 18	1 38.64	+15 28.9	1.895	2.887	2.1	20.3
10 28	1 30.53	+14 2.0	1.902	2.887	3.3	20.4
11 7	1 23.29	+12 35.7	1.939	2.885	7.1	20.7
11 17	1 17.65	+11 16.9	2.002	2.884	10.7	20.9
11 27	1 14.15	+10 11.3	2.089	2.882	13.8	21.1

471221 2010 WH_{29} 10 19.5 131°.03 3°.8/22.6 17

9 18	2 3.25	+22 12.4	1.522	2.367	16.5	21.2
9 28	1 57.18	+21 55.5	1.458	2.373	12.6	20.9
10 8	1 48.74	+21 15.9	1.416	2.379	8.3	20.7
10 18	1 38.91	+20 15.4	1.398	2.384	4.5	20.5
10 28	1 29.03	+19 0.1	1.408	2.390	4.7	20.5
11 7	1 20.41	+17 39.1	1.444	2.394	8.6	20.8
11 17	1 14.07	+16 22.0	1.505	2.399	12.8	21.0
11 27	1 10.60	+15 17.1	1.588	2.404	16.4	21.3

240997 2006 KT_{65} 10 19.5 332°.38 3°.2/17.4 18

9 18	2 0.07	+ 4 11.2	1.350	2.249	14.8	19.7
9 28	1 55.14	+ 3 42.5	1.283	2.235	10.6	19.5
10 8	1 47.75	+ 3 9.3	1.238	2.222	6.0	19.2
10 18	1 38.82	+ 2 37.7	1.217	2.209	3.2	19.0
10 28	1 29.62	+ 2 14.8	1.222	2.198	6.6	19.1
11 7	1 21.54	+ 2 6.4	1.252	2.187	11.4	19.4
11 17	1 15.67	+ 2 16.1	1.304	2.177	15.8	19.6
11 27	1 12.72	+ 2 45.0	1.374	2.168	19.5	19.9

290401 2005 TY_{32} 10 19.5 3°.61 0°.2/19.4 18

9 18	2 2.26	+ 9 46.4	1.796	2.671	13.0	21.0
9 28	1 56.16	+ 9 50.5	1.731	2.671	9.3	20.7
10 8	1 48.09	+ 9 47.5	1.690	2.671	5.1	20.5
10 18	1 38.86	+ 9 39.8	1.675	2.671	0.6	20.2
10 28	1 29.52	+ 9 31.2	1.689	2.672	3.9	20.4
11 7	1 21.14	+ 9 25.7	1.730	2.673	8.2	20.7
11 17	1 14.58	+ 9 27.0	1.797	2.674	11.9	20.9
11 27	1 10.43	+ 9 37.9	1.886	2.676	15.1	21.2

476817 2008 UV_{209} 10 19.5 297°.07 1°.1/20.3 18

9 18	1 59.90	+15 8.1	1.584	2.455	14.6	21.8
9 28	1 54.91	+14 42.2	1.500	2.436	10.7	21.5
10 8	1 47.62	+14 0.2	1.439	2.417	6.3	21.2
10 18	1 38.82	+13 5.1	1.403	2.398	1.6	20.8
10 28	1 29.68	+12 2.9	1.395	2.380	4.1	21.0
11 7	1 21.45	+11 1.7	1.412	2.361	9.0	21.2
11 17	1 15.20	+10 9.1	1.455	2.343	13.5	21.4
11 27	1 11.66	+ 9 31.4	1.518	2.324	17.4	21.7

193468 2000 XL_{17} 10 19.5 321°.17 0°.1/19.6 18 R

9 18	2 1.98	+10 21.5	1.308	2.196	15.9	19.2
9 28	1 56.91	+10 32.2	1.223	2.169	11.6	18.8
10 8	1 48.98	+10 33.4	1.159	2.142	6.6	18.5
10 18	1 39.03	+10 27.5	1.120	2.116	0.9	18.0
10 28	1 28.42	+10 18.7	1.105	2.090	5.0	18.2
11 7	1 18.78	+10 13.1	1.116	2.065	10.7	18.5
11 17	1 11.49	+10 16.2	1.149	2.042	15.9	18.7
11 27	1 7.51	+10 32.6	1.200	2.019	20.4	18.9

69736 1998 KT_7 10 19.5 46°.72 7°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 7.69	− 6 18.1	1.290	2.181	15.9	18.6
9 28	1 59.92	− 6 41.6	1.269	2.210	11.8	18.5
10 8	1 49.96	− 6 54.6	1.270	2.240	8.3	18.3
10 18	1 39.07	− 6 51.1	1.297	2.270	7.2	18.4
10 28	1 28.68	− 6 27.2	1.349	2.300	9.3	18.6
11 7	1 20.03	− 5 42.7	1.425	2.331	12.7	18.9
11 17	1 13.91	− 4 40.2	1.524	2.362	15.9	19.1
11 27	1 10.69	− 3 23.0	1.642	2.393	18.6	19.4

222228 2000 GO_4 10 19.5 263°.40 2°.8/16.9 17

9 18	2 3.58	+ 0 6.0	2.629	3.497	9.6	19.8
9 28	1 56.67	− 0 1.0	2.541	3.477	6.9	19.6
10 8	1 48.25	− 0 6.9	2.481	3.457	4.2	19.4
10 18	1 38.89	− 0 8.9	2.451	3.437	2.9	19.3
10 28	1 29.34	− 0 3.9	2.452	3.416	4.8	19.4
11 7	1 20.38	+ 0 10.2	2.483	3.395	7.7	19.6
11 17	1 12.69	+ 0 34.7	2.541	3.373	10.5	19.7
11 27	1 6.78	+ 1 10.1	2.623	3.351	12.9	19.9

517123 2013 GW_{139} 10 19.5 147°.43 0°.2/19.3 18

9 18	1 57.13	+12 37.6	2.370	3.234	10.6	21.6
9 28	1 52.10	+11 44.7	2.303	3.238	7.6	21.4
10 8	1 45.70	+10 42.2	2.262	3.242	4.1	21.2
10 18	1 38.54	+ 9 34.1	2.250	3.246	0.5	20.9
10 28	1 31.37	+ 8 25.7	2.268	3.250	3.2	21.2
11 7	1 24.91	+ 7 22.4	2.315	3.253	6.7	21.4
11 17	1 19.78	+ 6 28.9	2.389	3.256	9.8	21.6
11 27	1 16.41	+ 5 48.4	2.487	3.259	12.4	21.8

252768 2002 EX_{87} 10 19.5 235°.65 0°.7/18.9 17

9 18	2 4.93	+ 9 59.9	1.584	2.459	14.4	21.2
9 28	1 58.40	+ 9 35.9	1.509	2.449	10.3	20.9
10 8	1 49.49	+ 9 1.7	1.457	2.439	5.7	20.6
10 18	1 39.07	+ 8 21.2	1.431	2.427	0.9	20.2
10 28	1 28.39	+ 7 40.4	1.434	2.416	4.7	20.5
11 7	1 18.75	+ 7 6.1	1.464	2.403	9.6	20.8
11 17	1 11.22	+ 6 43.7	1.518	2.391	14.0	21.0
11 27	1 6.50	+ 6 36.8	1.593	2.378	17.7	21.2

113883 2002 TD_{265} 10 19.5 0°.52 1°.7/18.6 18

9 18	2 3.50	+ 6 49.4	1.173	2.071	16.7	19.0
9 28	1 57.76	+ 6 48.2	1.118	2.069	11.9	18.7
10 8	1 49.25	+ 6 40.7	1.083	2.068	6.5	18.4
10 18	1 39.04	+ 6 31.2	1.072	2.068	1.7	18.1
10 28	1 28.69	+ 6 25.4	1.086	2.068	5.8	18.4
11 7	1 19.79	+ 6 28.9	1.124	2.070	11.2	18.7
11 17	1 13.51	+ 6 45.4	1.185	2.072	16.0	19.0
11 27	1 10.53	+ 7 16.9	1.263	2.075	20.0	19.3

396255 2014 CX_2 10 19.5 42°.37 0°.1/19.6 18

9 18	2 3.96	+10 51.8	1.357	2.240	15.8	19.1
9 28	1 57.63	+10 53.0	1.312	2.255	11.3	18.9
10 8	1 48.95	+10 43.9	1.289	2.270	6.2	18.6
10 18	1 38.98	+10 27.8	1.290	2.286	0.9	18.3
10 28	1 29.11	+10 9.8	1.319	2.303	4.5	18.6
11 7	1 20.67	+ 9 55.8	1.373	2.320	9.4	18.9
11 17	1 14.59	+ 9 50.5	1.451	2.337	13.7	19.2
11 27	1 11.43	+ 9 57.1	1.549	2.355	17.1	19.5

397598 2007 VU_{71} 10 19.5 72°.30 7°.2/26.2 16

9 18	2 1.64	+34 0.2	1.005	1.832	24.3	20.1
9 28	1 56.82	+32 32.5	0.949	1.843	19.7	19.8
10 8	1 48.76	+30 11.7	0.910	1.855	14.4	19.5
10 18	1 38.95	+27 1.2	0.892	1.866	9.2	19.3
10 28	1 29.40	+23 16.8	0.899	1.878	7.3	19.3
11 7	1 21.91	+19 24.2	0.931	1.890	10.8	19.5
11 17	1 17.60	+15 49.0	0.988	1.902	15.8	19.8
11 27	1 16.93	+12 49.1	1.066	1.913	20.4	20.2

443699 2015 KU_{109} 10 19.5 60°.04 2°.3/21.7 18

9 18	1 59.47	+20 45.5	1.532	2.388	15.8	20.5
9 28	1 54.23	+19 42.0	1.484	2.408	11.8	20.3
10 8	1 46.99	+18 16.9	1.457	2.428	7.2	20.1
10 18	1 38.71	+16 35.5	1.457	2.448	2.9	19.9
10 28	1 30.61	+14 46.9	1.484	2.469	3.9	20.0
11 7	1 23.78	+13 1.6	1.539	2.490	8.2	20.3
11 17	1 19.02	+11 28.9	1.619	2.510	12.2	20.6
11 27	1 16.77	+10 15.0	1.722	2.531	15.5	20.8

326071 2011 AS_{61} 10 19.5 271°.53 2°.7/16.7 18

9 18	1 57.69	+ 3 16.1	2.286	3.168	10.3	20.6
9 28	1 52.58	+ 2 31.5	2.215	3.159	7.3	20.4
10 8	1 46.03	+ 1 44.2	2.170	3.150	4.2	20.2
10 18	1 38.61	+ 0 58.8	2.153	3.141	2.8	20.0
10 28	1 31.09	+ 0 20.0	2.165	3.132	5.0	20.2
11 7	1 24.24	− 0 7.9	2.205	3.122	8.2	20.4
11 17	1 18.73	− 0 22.1	2.270	3.113	11.2	20.5
11 27	1 15.04	− 0 21.2	2.358	3.104	13.7	20.7

102752 1999 VX_{121} 10 19.5 71°.56 3°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 5.37	+ 2 18.9	1.335	2.228	15.4	19.7
9 28	1 58.59	+ 1 45.8	1.292	2.240	10.9	19.5
10 8	1 49.44	+ 1 11.4	1.272	2.253	6.3	19.3
10 18	1 39.05	+ 0 42.4	1.277	2.266	4.0	19.2
10 28	1 28.80	+ 0 25.3	1.308	2.279	7.0	19.4
11 7	1 20.03	+ 0 24.4	1.365	2.292	11.4	19.7
11 17	1 13.66	+ 0 41.4	1.445	2.305	15.3	20.0
11 27	1 10.23	+ 1 16.1	1.543	2.318	18.6	20.2

50112 2000 AJ_{116} 10 19.5 128°.59 3°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.28	+21 9.0	1.761	2.601	14.8	18.1
9 28	1 56.88	+20 42.4	1.700	2.614	11.2	17.9
10 8	1 48.47	+19 56.5	1.661	2.626	7.2	17.7
10 18	1 38.93	+18 53.8	1.649	2.637	3.6	17.5
10 28	1 29.43	+17 40.1	1.666	2.648	4.0	17.6
11 7	1 21.08	+16 23.3	1.710	2.658	7.7	17.8
11 17	1 14.72	+15 11.4	1.781	2.668	11.5	18.1
11 27	1 10.89	+14 11.1	1.875	2.678	14.7	18.3

223135 2002 VN_{87} 10 19.5 354°.16 0°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.19	+ 8 27.3	1.214	2.107	16.6	19.6
9 28	1 58.27	+ 8 35.0	1.155	2.103	11.9	19.3
10 8	1 49.55	+ 8 34.8	1.117	2.100	6.5	19.0
10 18	1 39.10	+ 8 30.0	1.102	2.098	1.0	18.7
10 28	1 28.46	+ 8 25.8	1.114	2.097	5.3	19.0
11 7	1 19.21	+ 8 27.6	1.149	2.097	10.8	19.3
11 17	1 12.55	+ 8 39.7	1.208	2.097	15.6	19.6
11 27	1 9.21	+ 9 5.2	1.285	2.098	19.6	19.8

401825 1998 RH_9 10 19.5 11°.06 0°.4/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.84	+11 4.6	1.537	2.425	14.0	20.6
9 28	1 52.46	+10 35.3	1.483	2.429	10.0	20.3
10 8	1 46.11	+ 9 55.2	1.451	2.434	5.4	20.1
10 18	1 38.63	+ 9 9.1	1.444	2.440	0.7	19.8
10 28	1 31.12	+ 8 23.4	1.464	2.447	4.3	20.1
11 7	1 24.67	+ 7 44.6	1.509	2.455	8.8	20.3
11 17	1 20.12	+ 7 17.9	1.579	2.464	12.8	20.6
11 27	1 18.00	+ 7 6.6	1.670	2.474	16.2	20.9

247749 2003 OT_{18} 10 19.5 98°.19 7°.3/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.80	+33 31.8	1.870	2.645	16.5	20.4
9 28	1 57.35	+33 35.8	1.809	2.662	13.7	20.2
10 8	1 48.76	+33 12.7	1.768	2.680	10.8	20.1
10 18	1 38.98	+32 21.8	1.750	2.697	8.2	19.9
10 28	1 29.26	+31 6.5	1.759	2.713	7.3	19.9
11 7	1 20.77	+29 34.3	1.795	2.730	8.6	20.0
11 17	1 14.42	+27 55.1	1.858	2.745	11.1	20.2
11 27	1 10.73	+26 18.7	1.944	2.761	13.7	20.4

233773 2008 TU_{146} 10 19.5 330°.97 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 51.72	+ 7 58.0	3.903	4.772	6.7	20.9
9 28	1 47.91	+ 7 30.2	3.829	4.768	4.7	20.7
10 8	1 43.31	+ 6 59.2	3.782	4.763	2.5	20.6
10 18	1 38.27	+ 6 27.0	3.764	4.759	0.7	20.4
10 28	1 33.18	+ 5 56.0	3.777	4.755	2.4	20.5
11 7	1 28.45	+ 5 28.7	3.820	4.751	4.6	20.7
11 17	1 24.45	+ 5 7.2	3.892	4.747	6.6	20.8
11 27	1 21.47	+ 4 52.9	3.988	4.743	8.4	21.0

405888 2006 FB_{31} 10 19.5 296°.29 1°.9/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.08	+ 3 45.2	2.160	3.031	11.2	20.9
9 28	1 58.03	+ 3 57.0	2.075	3.014	8.1	20.6
10 8	1 49.14	+ 4 8.2	2.016	2.997	4.5	20.4
10 18	1 39.06	+ 4 20.9	1.986	2.979	1.9	20.2
10 28	1 28.72	+ 4 37.9	1.986	2.962	4.4	20.3
11 7	1 19.10	+ 5 1.4	2.016	2.945	8.1	20.5
11 17	1 11.05	+ 5 33.0	2.073	2.928	11.5	20.7
11 27	1 5.17	+ 6 14.0	2.153	2.911	14.5	20.9

25683 Haochenhong 10 19.5 210°.99 0°.4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.91	+11 6.1	2.863	3.724	9.1	19.9
9 28	1 51.82	+10 25.3	2.784	3.718	6.5	19.8
10 8	1 45.54	+ 9 37.4	2.731	3.711	3.5	19.6
10 18	1 38.57	+ 8 45.4	2.708	3.704	0.5	19.3
10 28	1 31.53	+ 7 53.2	2.716	3.697	2.9	19.5
11 7	1 25.03	+ 7 4.8	2.754	3.689	5.9	19.7
11 17	1 19.62	+ 6 24.0	2.820	3.681	8.7	19.9
11 27	1 15.70	+ 5 53.3	2.910	3.672	11.0	20.0

43544 2001 FM_3 10 19.5 213°.04 1°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.18	+ 6 52.6	2.527	3.402	9.7	19.6
9 28	1 52.11	+ 6 5.7	2.456	3.397	6.8	19.4
10 8	1 45.73	+ 5 13.8	2.411	3.393	3.7	19.2
10 18	1 38.60	+ 4 20.8	2.395	3.389	1.6	19.1
10 28	1 31.40	+ 3 31.3	2.410	3.384	3.9	19.2
11 7	1 24.83	+ 2 49.7	2.453	3.379	7.0	19.4
11 17	1 19.48	+ 2 19.1	2.523	3.373	9.9	19.6
11 27	1 15.78	+ 2 1.8	2.616	3.368	12.4	19.8

53217 1999 CS_{86} 10 19.5 302°.86 6°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.03	− 6 46.0	1.785	2.671	12.5	19.1
9 28	1 55.97	− 7 30.4	1.726	2.663	9.5	18.9
10 8	1 48.00	− 8 8.0	1.691	2.655	7.1	18.8
10 18	1 38.91	− 8 32.3	1.682	2.647	6.8	18.8
10 28	1 29.74	− 8 38.0	1.700	2.640	8.8	18.9
11 7	1 21.54	− 8 22.2	1.744	2.632	11.8	19.0
11 17	1 15.15	− 7 45.0	1.810	2.625	14.8	19.2
11 27	1 11.13	− 6 48.3	1.896	2.618	17.4	19.4

161955 2007 HZ_{26} 10 19.5 247°.56 0°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.44	+11 32.9	1.712	2.588	13.4	21.1
9 28	1 55.01	+10 43.0	1.639	2.580	9.6	20.9
10 8	1 47.56	+ 9 40.8	1.589	2.571	5.2	20.6
10 18	1 38.86	+ 8 31.0	1.566	2.562	0.8	20.3
10 28	1 30.00	+ 7 20.9	1.571	2.553	4.4	20.5
11 7	1 22.08	+ 6 18.2	1.604	2.544	8.9	20.8
11 17	1 16.00	+ 5 28.9	1.662	2.534	13.0	21.0
11 27	1 12.38	+ 4 57.4	1.741	2.524	16.4	21.2

45650 2000 EV_{49} 10 19.5 10°.61 9°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.67	− 9 12.4	1.377	2.280	14.3	17.3
9 28	1 52.43	−11 5.9	1.342	2.282	11.4	17.1
10 8	1 46.12	−12 48.3	1.330	2.285	9.7	17.0
10 18	1 38.66	−14 8.5	1.341	2.289	10.1	17.1
10 28	1 31.24	−14 57.5	1.376	2.293	12.4	17.2
11 7	1 25.03	−15 11.9	1.433	2.298	15.3	17.4
11 17	1 20.84	−14 52.9	1.509	2.305	18.1	17.6
11 27	1 19.19	−14 4.6	1.601	2.312	20.5	17.9

112060 2002 JT_{13} 10 19.5 153°.57 9°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.73	−13 7.9	1.887	2.761	12.5	19.6
9 28	1 56.26	−15 14.3	1.856	2.771	10.3	19.5
10 8	1 48.05	−17 7.9	1.850	2.781	9.2	19.5
10 18	1 38.91	−18 39.5	1.872	2.789	9.8	19.5
10 28	1 29.86	−19 42.0	1.919	2.797	11.5	19.7
11 7	1 21.87	−20 12.9	1.991	2.804	13.8	19.8
11 17	1 15.67	−20 13.3	2.082	2.810	15.9	20.0
11 27	1 11.74	−19 46.9	2.190	2.815	17.7	20.2

56146 1999 CR_{85} 10 19.5 298°.28 5°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.87	− 0 54.9	1.445	2.342	14.2	18.3
9 28	1 56.34	− 1 48.8	1.377	2.325	10.4	18.0
10 8	1 48.43	− 2 42.6	1.331	2.309	6.8	17.7
10 18	1 38.99	− 3 28.5	1.311	2.292	5.7	17.6
10 28	1 29.29	− 3 58.3	1.316	2.276	8.5	17.8
11 7	1 20.66	− 4 6.5	1.347	2.260	12.6	18.0
11 17	1 14.15	− 3 50.8	1.399	2.245	16.6	18.2
11 27	1 10.48	− 3 11.9	1.469	2.229	20.0	18.4

300635 2007 UN_{54} 10 19.5 288°.83 0°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.33	+11 2.7	1.778	2.653	13.1	20.9
9 28	1 54.92	+10 37.4	1.702	2.642	9.4	20.7
10 8	1 47.51	+10 1.9	1.649	2.631	5.2	20.4
10 18	1 38.87	+ 9 19.9	1.624	2.620	0.7	20.1
10 28	1 30.01	+ 8 36.7	1.626	2.609	4.1	20.3
11 7	1 22.04	+ 7 58.5	1.656	2.598	8.5	20.6
11 17	1 15.83	+ 7 30.4	1.711	2.587	12.5	20.8
11 27	1 12.03	+ 7 16.3	1.787	2.576	15.9	21.0

154242 2002 KR_2 10 19.5 75°.70 0°.0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.56	+12 23.8	2.219	3.083	11.3	20.6
9 28	1 53.75	+11 46.7	2.176	3.110	8.0	20.4
10 8	1 46.58	+11 1.2	2.158	3.137	4.4	20.2
10 18	1 38.72	+10 11.0	2.168	3.164	0.6	20.0
10 28	1 31.00	+ 9 20.8	2.208	3.190	3.2	20.3
11 7	1 24.17	+ 8 35.4	2.277	3.217	6.7	20.5
11 17	1 18.82	+ 7 58.8	2.373	3.243	9.7	20.8
11 27	1 15.34	+ 7 33.9	2.492	3.269	12.3	21.0

384479 2010 CF_{40} 10 19.5 276°.22 4°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.39	+ 2 35.1	1.664	2.556	12.9	20.2
9 28	1 54.22	+ 1 22.7	1.601	2.550	9.2	20.0
10 8	1 47.10	+ 0 6.5	1.563	2.544	5.6	19.7
10 18	1 38.82	− 1 6.0	1.552	2.538	4.2	19.7
10 28	1 30.44	− 2 6.8	1.568	2.532	7.0	19.8
11 7	1 23.03	− 2 49.6	1.610	2.525	10.8	20.0
11 17	1 17.44	− 3 10.8	1.676	2.519	14.4	20.2
11 27	1 14.25	− 3 9.6	1.761	2.513	17.4	20.4

180711 2004 HF_{78} 10 19.5 36°.79 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.90	+10 59.4	1.809	2.685	12.9	20.6
9 28	1 54.44	+10 36.1	1.749	2.689	9.2	20.4
10 8	1 47.15	+10 3.5	1.713	2.694	5.0	20.1
10 18	1 38.82	+ 9 25.4	1.703	2.699	0.6	19.8
10 28	1 30.46	+ 8 47.0	1.721	2.704	3.9	20.1
11 7	1 23.05	+ 8 13.7	1.767	2.710	8.0	20.4
11 17	1 17.39	+ 7 50.0	1.839	2.715	11.7	20.6
11 27	1 14.01	+ 7 39.2	1.932	2.721	14.8	20.8

72178 2000 YE_{113} 10 19.5 350°.30 6°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.92	+23 51.2	1.131	1.992	19.9	18.6
9 28	1 56.37	+24 19.1	1.067	1.987	15.7	18.3
10 8	1 48.73	+24 19.5	1.022	1.982	11.1	18.0
10 18	1 39.06	+23 50.8	0.997	1.978	7.2	17.8
10 28	1 29.06	+22 57.0	0.996	1.975	6.9	17.8
11 7	1 20.52	+21 47.9	1.018	1.974	10.7	18.0
11 17	1 14.80	+20 35.8	1.062	1.973	15.3	18.3
11 27	1 12.72	+19 32.5	1.125	1.973	19.5	18.5

488686 2003 UD_{415} 10 19.5 333°.36 4°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.49	+25 44.2	1.877	2.705	14.5	20.2
9 28	1 51.50	+25 5.6	1.792	2.693	11.4	20.0
10 8	1 45.64	+24 3.3	1.729	2.682	8.0	19.8
10 18	1 38.64	+22 39.0	1.691	2.671	4.9	19.6
10 28	1 31.48	+20 58.0	1.681	2.661	4.5	19.5
11 7	1 25.19	+19 9.0	1.699	2.651	7.4	19.7
11 17	1 20.59	+17 21.6	1.743	2.642	11.0	19.9
11 27	1 18.27	+15 44.6	1.811	2.634	14.3	20.1

185690 1997 GB_{9} 10 19.5 187°.59 0°.7/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.95	+14 30.9	1.739	2.602	13.9	20.9
9 28	1 56.76	+14 0.7	1.669	2.602	10.1	20.6
10 8	1 48.50	+13 16.7	1.624	2.601	5.8	20.4
10 18	1 39.02	+12 22.4	1.605	2.600	1.3	20.1
10 28	1 29.43	+11 23.6	1.614	2.599	3.8	20.3
11 7	1 20.87	+10 27.5	1.652	2.597	8.3	20.5
11 17	1 14.23	+ 9 40.4	1.715	2.594	12.3	20.8
11 27	1 10.11	+ 9 7.2	1.800	2.591	15.7	21.0

386120 2007 RO_{238} 10 19.5 125°.86 2°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.57	+20 6.3	1.994	2.830	13.5	21.3
9 28	1 56.96	+20 5.3	1.930	2.842	10.2	21.1
10 8	1 48.51	+19 48.8	1.890	2.853	6.6	21.0
10 18	1 39.02	+19 18.0	1.877	2.864	3.4	20.8
10 28	1 29.49	+18 36.8	1.893	2.875	3.8	20.8
11 7	1 20.96	+17 50.7	1.938	2.885	7.1	21.1
11 17	1 14.23	+17 5.7	2.010	2.894	10.5	21.3
11 27	1 9.81	+16 27.6	2.105	2.904	13.5	21.5

74248 1998 SS_{64} 10 19.5 52°.38 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.56	+ 7 57.4	1.430	2.317	15.0	18.3
9 28	1 57.07	+ 7 29.7	1.398	2.344	10.5	18.1
10 8	1 48.53	+ 6 55.2	1.388	2.372	5.6	17.9
10 18	1 39.00	+ 6 19.1	1.404	2.400	1.5	17.7
10 28	1 29.75	+ 5 47.7	1.448	2.428	5.0	18.1
11 7	1 21.93	+ 5 26.3	1.517	2.456	9.4	18.4
11 17	1 16.33	+ 5 18.4	1.611	2.485	13.3	18.7
11 27	1 13.38	+ 5 25.5	1.725	2.513	16.4	19.0

21262 Kanba 10 19.5 143°.20 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.12	+ 7 52.6	2.899	3.767	8.8	19.3
9 28	1 51.87	+ 7 3.7	2.839	3.778	6.1	19.1
10 8	1 45.54	+ 6 10.3	2.807	3.788	3.3	19.0
10 18	1 38.62	+ 5 15.7	2.804	3.798	1.2	18.8
10 28	1 31.72	+ 4 24.0	2.832	3.808	3.3	19.0
11 7	1 25.42	+ 3 39.0	2.891	3.817	6.1	19.2
11 17	1 20.21	+ 3 3.5	2.976	3.825	8.6	19.4
11 27	1 16.45	+ 2 39.6	3.086	3.833	10.8	19.5

191995 2005 XG_{38} 10 19.5 195°.03 3°.0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.31	+21 40.1	2.456	3.283	11.6	20.3
9 28	1 53.78	+21 38.8	2.378	3.282	8.9	20.2
10 8	1 46.74	+21 23.7	2.324	3.281	6.0	20.0
10 18	1 38.79	+20 55.7	2.298	3.280	3.5	19.8
10 28	1 30.73	+20 17.4	2.300	3.279	3.6	19.8
11 7	1 23.37	+19 33.4	2.332	3.278	6.1	20.0
11 17	1 17.38	+18 48.6	2.391	3.277	9.0	20.2
11 27	1 13.27	+18 8.1	2.475	3.275	11.6	20.4

114776 2003 MJ 10 19.5 103°.87 0°.6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.28	+ 9 57.8	1.815	2.685	13.1	19.7
9 28	1 57.39	+ 9 33.3	1.766	2.704	9.2	19.5
10 8	1 48.69	+ 9 0.8	1.742	2.723	5.0	19.3
10 18	1 39.05	+ 8 24.2	1.746	2.741	0.8	19.0
10 28	1 29.52	+ 7 48.7	1.778	2.759	4.0	19.3
11 7	1 21.12	+ 7 19.3	1.839	2.777	8.1	19.6
11 17	1 14.60	+ 7 0.1	1.926	2.794	11.7	19.9
11 27	1 10.45	+ 6 53.6	2.035	2.811	14.6	20.1

183752 2003 YB_{176} 10 19.5 315°.10 0°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.04	+11 11.4	1.265	2.151	16.5	20.2
9 28	1 58.30	+11 17.1	1.194	2.138	12.0	19.9
10 8	1 49.71	+11 11.4	1.144	2.126	6.8	19.5
10 18	1 39.23	+10 57.0	1.119	2.115	1.1	19.1
10 28	1 28.36	+10 39.0	1.119	2.103	4.9	19.4
11 7	1 18.70	+10 23.9	1.143	2.093	10.6	19.7
11 17	1 11.57	+10 17.7	1.191	2.083	15.6	19.9
11 27	1 7.78	+10 25.1	1.257	2.073	19.8	20.2

239628 2008 VM_{10} 10 19.5 307°.33 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.51	+ 9 16.8	1.592	2.475	13.9	20.6
9 28	1 55.92	+ 8 55.4	1.523	2.466	10.0	20.3
10 8	1 48.14	+ 8 25.0	1.476	2.459	5.4	20.0
10 18	1 39.00	+ 7 49.8	1.455	2.451	1.0	19.7
10 28	1 29.67	+ 7 15.6	1.462	2.443	4.6	20.0
11 7	1 21.35	+ 6 48.3	1.495	2.436	9.3	20.2
11 17	1 15.01	+ 6 32.9	1.552	2.429	13.5	20.5
11 27	1 11.30	+ 6 32.4	1.631	2.422	17.0	20.7

439 Ohio 10 19.5 306°.12 0°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.64	+12 33.4	2.166	3.036	11.2	14.6
9 28	1 51.24	+11 13.2	2.091	3.030	8.0	14.4
10 8	1 45.36	+ 9 41.0	2.043	3.025	4.3	14.2
10 18	1 38.62	+ 8 2.1	2.023	3.019	0.8	13.9
10 28	1 31.81	+ 6 23.8	2.034	3.014	3.8	14.1
11 7	1 25.73	+ 4 53.2	2.073	3.008	7.5	14.3
11 17	1 21.03	+ 3 36.2	2.139	3.003	10.9	14.6
11 27	1 18.18	+ 2 37.0	2.228	2.998	13.7	14.7

122041 2000 GP_{77} 10 19.5 80°.76 1°.0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.96	+11 34.5	1.497	2.378	14.7	19.7
9 28	1 55.34	+10 29.1	1.449	2.393	10.4	19.5
10 8	1 47.68	+ 9 11.3	1.424	2.407	5.6	19.2
10 18	1 38.92	+ 7 47.9	1.426	2.421	1.0	18.9
10 28	1 30.28	+ 6 27.7	1.455	2.436	4.8	19.3
11 7	1 22.87	+ 5 19.0	1.510	2.450	9.4	19.6
11 17	1 17.55	+ 4 27.7	1.590	2.464	13.4	19.8
11 27	1 14.79	+ 3 56.9	1.691	2.478	16.7	20.1

138343 2000 GF_{112} 10 19.5 83°.41 3°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.98	+ 4 53.2	1.886	2.772	11.9	19.8
9 28	1 53.54	+ 3 28.1	1.846	2.792	8.3	19.6
10 8	1 46.54	+ 1 59.2	1.831	2.813	4.7	19.5
10 18	1 38.77	+ 0 33.7	1.844	2.833	3.2	19.4
10 28	1 31.12	− 0 41.2	1.887	2.852	5.8	19.6
11 7	1 24.47	− 1 39.7	1.956	2.872	9.2	19.9
11 17	1 19.45	− 2 18.8	2.051	2.891	12.3	20.1
11 27	1 16.49	− 2 37.6	2.166	2.910	14.8	20.3

26068 4093 $T\text{-}_{3}$ 10 19.5 174°.50 2°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.91	+ 6 26.8	1.638	2.518	13.7	19.3
9 28	1 58.18	+ 6 0.8	1.577	2.520	9.7	19.0
10 8	1 49.30	+ 5 29.0	1.539	2.521	5.3	18.8
10 18	1 39.16	+ 4 56.2	1.528	2.522	2.0	18.6
10 28	1 28.95	+ 4 28.0	1.545	2.523	5.2	18.8
11 7	1 19.86	+ 4 9.6	1.590	2.523	9.6	19.0
11 17	1 12.82	+ 4 4.7	1.659	2.523	13.5	19.3
11 27	1 8.41	+ 4 15.2	1.749	2.522	16.8	19.5

267992 2004 GS_{78} 10 19.5 206°.98 0°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.05	+13 22.7	1.789	2.654	13.5	21.4
9 28	1 56.83	+12 53.9	1.716	2.650	9.8	21.1
10 8	1 48.57	+12 12.6	1.666	2.645	5.5	20.9
10 18	1 39.07	+11 22.2	1.644	2.640	0.9	20.5
10 28	1 29.42	+10 28.3	1.651	2.635	3.8	20.7
11 7	1 20.74	+ 9 37.7	1.686	2.629	8.3	21.0
11 17	1 13.92	+ 8 56.3	1.746	2.622	12.3	21.2
11 27	1 9.58	+ 8 28.5	1.829	2.615	15.7	21.5

444980 2008 EO_{161} 10 19.5 330°.91 0°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.53	+10 18.2	1.859	2.737	12.5	21.0
9 28	1 53.50	+ 9 39.6	1.791	2.733	8.8	20.7
10 8	1 46.68	+ 8 51.7	1.748	2.730	4.8	20.5
10 18	1 38.81	+ 7 58.8	1.731	2.727	0.9	20.2
10 28	1 30.85	+ 7 6.7	1.743	2.724	4.1	20.5
11 7	1 23.75	+ 6 21.6	1.782	2.721	8.2	20.7
11 17	1 18.31	+ 5 48.2	1.846	2.718	11.9	20.9
11 27	1 15.07	+ 5 29.8	1.932	2.716	15.0	21.1

261941 2006 OR_{10} 10 19.5 71°.81 6°.8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.34	+27 46.0	1.322	2.149	19.5	20.3
9 28	1 59.62	+27 58.5	1.276	2.171	15.5	20.1
10 8	1 50.18	+27 41.2	1.249	2.193	11.3	19.9
10 18	1 39.27	+26 54.1	1.244	2.215	7.7	19.8
10 28	1 28.52	+25 42.7	1.265	2.237	7.0	19.8
11 7	1 19.46	+24 17.5	1.311	2.259	9.7	20.0
11 17	1 13.16	+22 50.4	1.382	2.281	13.3	20.3
11 27	1 10.13	+21 32.2	1.473	2.302	16.7	20.5

112612 2002 PX_{64} 10 19.5 233°.86 5°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.91	− 6 13.0	2.537	3.421	9.3	19.7
9 28	1 51.24	− 7 54.1	2.480	3.413	7.2	19.6
10 8	1 45.31	− 9 32.1	2.449	3.406	5.7	19.5
10 18	1 38.63	−11 0.4	2.448	3.398	5.9	19.5
10 28	1 31.89	−12 13.0	2.475	3.390	7.6	19.6
11 7	1 25.76	−13 5.8	2.529	3.382	9.9	19.7
11 17	1 20.80	−13 37.3	2.607	3.374	12.1	19.8
11 27	1 17.45	−13 47.5	2.704	3.366	13.9	20.0

224738 2006 DZ_{37} 10 19.5 287°.80 1°.9/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.30	+ 7 9.8	2.235	3.114	10.6	20.7
9 28	1 52.51	+ 6 13.5	2.145	3.088	7.5	20.4
10 8	1 46.14	+ 5 9.8	2.080	3.062	4.1	20.2
10 18	1 38.76	+ 4 3.4	2.043	3.036	1.9	20.0
10 28	1 31.15	+ 2 59.9	2.036	3.010	4.6	20.1
11 7	1 24.14	+ 2 5.3	2.058	2.984	8.1	20.3
11 17	1 18.45	+ 1 23.9	2.105	2.958	11.5	20.5
11 27	1 14.65	+ 0 58.8	2.174	2.931	14.4	20.6

314625 2006 FB_{54} 10 19.5 140°.29 2°.0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.37	+ 8 57.8	1.481	2.364	14.7	21.5
9 28	1 57.15	+ 7 51.8	1.427	2.373	10.4	21.3
10 8	1 48.73	+ 6 35.4	1.397	2.380	5.6	21.1
10 18	1 39.09	+ 5 15.8	1.393	2.387	2.0	20.8
10 28	1 29.49	+ 4 1.9	1.417	2.394	5.6	21.1
11 7	1 21.15	+ 3 1.7	1.467	2.400	10.2	21.4
11 17	1 14.98	+ 2 20.6	1.541	2.406	14.3	21.7
11 27	1 11.52	+ 2 1.0	1.635	2.411	17.7	21.9

411512 2011 BX_{26} 10 19.5 338°.96 5°.2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.48	+26 54.9	2.091	2.901	13.9	20.3
9 28	1 54.25	+27 8.7	2.012	2.897	11.2	20.1
10 8	1 47.15	+27 3.2	1.955	2.893	8.3	19.9
10 18	1 38.89	+26 38.2	1.923	2.890	5.8	19.8
10 28	1 30.45	+25 55.9	1.918	2.887	5.4	19.8
11 7	1 22.83	+25 1.4	1.941	2.884	7.4	19.9
11 17	1 16.87	+24 1.5	1.990	2.881	10.3	20.0
11 27	1 13.17	+23 3.3	2.062	2.878	13.1	20.2

115366 2003 SL_{251} 10 19.5 334°.25 0°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.13	+ 9 43.7	2.038	2.914	11.6	19.4
9 28	1 53.11	+ 9 18.8	1.967	2.908	8.3	19.2
10 8	1 46.45	+ 8 46.4	1.921	2.903	4.5	18.9
10 18	1 38.80	+ 8 9.8	1.902	2.898	0.8	18.6
10 28	1 31.04	+ 7 33.9	1.912	2.893	3.8	18.9
11 7	1 24.05	+ 7 3.4	1.949	2.889	7.6	19.1
11 17	1 18.57	+ 6 42.3	2.013	2.884	11.1	19.3
11 27	1 15.12	+ 6 33.5	2.098	2.881	14.0	19.5

46262 2001 HX_{47} 10 19.5 147°.32 5°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.58	+29 12.1	2.180	2.970	14.0	19.0
9 28	1 56.31	+29 14.8	2.107	2.978	11.4	18.8
10 8	1 48.21	+28 56.7	2.056	2.985	8.5	18.6
10 18	1 39.03	+28 17.5	2.030	2.991	6.2	18.5
10 28	1 29.79	+27 20.0	2.033	2.997	5.6	18.5
11 7	1 21.47	+26 10.0	2.064	3.003	7.3	18.6
11 17	1 14.89	+24 54.8	2.122	3.008	10.0	18.8
11 27	1 10.61	+23 42.0	2.205	3.013	12.6	19.0

412904 2014 QK_{101} 10 19.5 60°.26 3°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.05	+ 3 7.4	2.012	2.901	11.2	20.5
9 28	1 52.18	+ 1 55.2	1.966	2.913	7.9	20.3
10 8	1 45.84	+ 0 40.7	1.944	2.925	4.7	20.2
10 18	1 38.71	− 0 29.9	1.951	2.937	3.5	20.1
10 28	1 31.63	− 1 30.3	1.986	2.949	5.8	20.3
11 7	1 25.41	− 2 15.6	2.048	2.962	9.0	20.5
11 17	1 20.68	− 2 43.0	2.135	2.974	11.9	20.7
11 27	1 17.87	− 2 51.8	2.244	2.987	14.4	20.9

183015 2002 PT_{92} 10 19.5 64°.84 3°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.00	+24 30.4	1.769	2.602	15.1	19.5
9 28	1 53.95	+23 49.2	1.702	2.608	11.7	19.2
10 8	1 46.96	+22 45.0	1.657	2.614	7.9	19.0
10 18	1 38.87	+21 20.4	1.637	2.620	4.5	18.9
10 28	1 30.76	+19 41.8	1.645	2.626	4.3	18.9
11 7	1 23.71	+17 58.3	1.681	2.632	7.6	19.1
11 17	1 18.54	+16 19.4	1.744	2.639	11.2	19.3
11 27	1 15.78	+14 53.0	1.830	2.645	14.5	19.5

279309 2009 WM_{217} 10 19.5 271°.67 4°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.52	+ 0 44.8	1.540	2.432	13.7	20.5
9 28	1 56.62	− 0 5.4	1.478	2.425	9.9	20.2
10 8	1 48.52	− 0 56.6	1.439	2.418	6.2	20.0
10 18	1 39.09	− 1 41.8	1.427	2.412	4.7	19.9
10 28	1 29.54	− 2 13.9	1.441	2.405	7.5	20.0
11 7	1 21.07	− 2 27.5	1.481	2.398	11.4	20.3
11 17	1 14.65	− 2 20.4	1.544	2.391	15.2	20.5
11 27	1 10.90	− 1 52.5	1.626	2.385	18.4	20.7

174130 2002 LL_{27} 10 19.5 124°.37 5°.4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.04	− 1 49.1	1.639	2.525	13.4	20.7
9 28	1 58.04	− 2 51.5	1.597	2.539	9.7	20.5
10 8	1 49.10	− 3 51.2	1.580	2.554	6.4	20.3
10 18	1 39.15	− 4 40.8	1.590	2.567	5.5	20.3
10 28	1 29.34	− 5 13.8	1.628	2.580	7.9	20.5
11 7	1 20.78	− 5 26.4	1.691	2.593	11.3	20.7
11 17	1 14.26	− 5 17.7	1.778	2.604	14.5	20.9
11 27	1 10.26	− 4 49.1	1.885	2.615	17.2	21.2

127974 2003 HL_{39} 10 19.5 70°.92 1°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.69	+16 50.1	1.535	2.399	15.4	19.7
9 28	1 56.60	+16 27.7	1.486	2.416	11.3	19.5
10 8	1 48.40	+15 48.9	1.459	2.434	6.7	19.3
10 18	1 39.06	+14 57.3	1.459	2.452	2.3	19.0
10 28	1 29.82	+13 59.1	1.485	2.470	3.9	19.2
11 7	1 21.87	+13 2.2	1.538	2.488	8.3	19.5
11 17	1 16.07	+12 13.5	1.617	2.506	12.4	19.8
11 27	1 12.92	+11 38.2	1.717	2.523	15.7	20.0

408041 2012 FD_{55} 10 19.5 261°.46 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.19	+ 7 59.0	2.274	3.145	10.7	21.0
9 28	1 54.43	+ 7 44.3	2.200	3.139	7.6	20.8
10 8	1 47.13	+ 7 24.4	2.151	3.133	4.1	20.6
10 18	1 38.90	+ 7 2.2	2.131	3.126	1.0	20.4
10 28	1 30.55	+ 6 41.4	2.140	3.120	3.7	20.6
11 7	1 22.90	+ 6 25.9	2.179	3.114	7.2	20.8
11 17	1 16.66	+ 6 18.5	2.243	3.107	10.5	21.0
11 27	1 12.34	+ 6 21.7	2.331	3.101	13.2	21.2

135594 2002 GK_{147} 10 19.5 341°.83 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 51.21	+ 1 19.1	4.119	4.998	6.2	19.5
9 28	1 47.54	+ 0 41.1	4.054	4.996	4.4	19.4
10 8	1 43.15	+ 0 2.9	4.017	4.995	2.7	19.3
10 18	1 38.36	− 0 33.3	4.010	4.993	2.0	19.2
10 28	1 33.54	− 1 4.9	4.032	4.992	3.3	19.3
11 7	1 29.07	− 1 29.7	4.084	4.991	5.1	19.5
11 17	1 25.27	− 1 46.3	4.164	4.989	6.8	19.6
11 27	1 22.42	− 1 53.7	4.267	4.988	8.4	19.7

494476 2016 WC_{19} 10 19.5 245°.97 0°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.86	+12 46.3	1.830	2.699	13.0	21.6
9 28	1 55.22	+12 22.4	1.760	2.696	9.4	21.4
10 8	1 47.67	+11 47.2	1.714	2.693	5.3	21.2
10 18	1 38.98	+11 4.3	1.695	2.691	0.8	20.8
10 28	1 30.17	+10 18.7	1.704	2.688	3.7	21.1
11 7	1 22.27	+ 9 36.4	1.741	2.685	8.0	21.3
11 17	1 16.13	+ 9 2.8	1.803	2.682	11.8	21.5
11 27	1 12.33	+ 8 41.9	1.888	2.679	15.1	21.8

76893 2000 YQ_{99} 10 19.5 77°.64 9°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.84	−13 28.3	1.667	2.549	13.4	18.9
9 28	1 55.06	−15 4.7	1.640	2.561	11.1	18.8
10 8	1 47.46	−16 26.3	1.637	2.574	9.7	18.8
10 18	1 38.93	−17 24.5	1.659	2.586	10.1	18.8
10 28	1 30.56	−17 53.3	1.705	2.598	11.8	19.0
11 7	1 23.35	−17 51.1	1.774	2.611	14.2	19.1
11 17	1 18.05	−17 20.2	1.862	2.623	16.4	19.3
11 27	1 15.11	−16 24.6	1.968	2.635	18.4	19.5

78602 2002 ST_{31} 10 19.5 33°.60 3°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.65	+ 2 34.6	1.433	2.330	14.2	19.1
9 28	1 55.18	+ 1 52.3	1.391	2.341	10.1	18.9
10 8	1 47.63	+ 1 8.5	1.371	2.353	5.9	18.7
10 18	1 38.96	+ 0 29.6	1.377	2.366	3.9	18.6
10 28	1 30.39	+ 0 2.5	1.409	2.379	6.7	18.8
11 7	1 23.08	− 0 8.3	1.466	2.392	10.8	19.1
11 17	1 17.86	− 0 0.7	1.546	2.407	14.5	19.4
11 27	1 15.23	+ 0 25.3	1.645	2.421	17.6	19.6

101325 1998 SO_{159} 10 19.5 36°.22 1°.3/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.59	+ 8 16.1	1.933	2.813	11.9	19.8
9 28	1 53.40	+ 7 44.3	1.877	2.820	8.4	19.6
10 8	1 46.57	+ 7 6.0	1.845	2.828	4.5	19.4
10 18	1 38.83	+ 6 25.6	1.841	2.836	1.3	19.2
10 28	1 31.10	+ 5 48.0	1.865	2.844	4.2	19.4
11 7	1 24.25	+ 5 18.3	1.917	2.853	8.0	19.7
11 17	1 19.00	+ 4 59.9	1.994	2.862	11.4	19.9
11 27	1 15.83	+ 4 55.1	2.093	2.871	14.2	20.1

464658 2001 RX_{132} 10 19.5 29°.62 4°.8/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.97	+ 3 44.4	0.815	1.737	19.4	19.8
9 28	1 56.25	+ 2 52.0	0.789	1.751	13.7	19.6
10 8	1 48.46	+ 1 56.2	0.780	1.767	7.8	19.4
10 18	1 39.08	+ 1 7.6	0.793	1.784	4.8	19.3
10 28	1 30.02	+ 0 36.8	0.827	1.803	8.7	19.6
11 7	1 22.99	+ 0 30.1	0.881	1.823	14.0	19.9
11 17	1 19.01	+ 0 48.9	0.955	1.844	18.8	20.3
11 27	1 18.54	+ 1 31.2	1.044	1.866	22.6	20.6

517306 2014 HO_{153} 10 19.5 275°.14 0°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.99	+11 37.5	1.764	2.639	13.2	21.9
9 28	1 54.70	+10 59.5	1.690	2.630	9.4	21.7
10 8	1 47.44	+10 10.1	1.639	2.620	5.2	21.4
10 18	1 38.98	+ 9 13.5	1.615	2.611	0.7	21.0
10 28	1 30.33	+ 8 15.8	1.619	2.602	4.1	21.3
11 7	1 22.59	+ 7 23.9	1.651	2.593	8.6	21.5
11 17	1 16.61	+ 6 43.5	1.708	2.583	12.6	21.8
11 27	1 13.02	+ 6 18.7	1.786	2.574	15.9	22.0

272219 2005 QJ_{58} 10 19.5 354.°78 2.°6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.39	+15 30.1	1.225	2.104	17.5	20.0
9 28	1 57.86	+15 55.3	1.162	2.100	13.0	19.7
10 8	1 49.47	+16 4.9	1.121	2.097	7.9	19.4
10 18	1 39.27	+15 59.4	1.102	2.095	3.2	19.1
10 28	1 28.80	+15 42.8	1.109	2.094	4.9	19.2
11 7	1 19.68	+15 21.9	1.140	2.093	10.0	19.5
11 17	1 13.17	+15 4.1	1.193	2.094	14.8	19.8
11 27	1 10.03	+14 55.8	1.266	2.095	18.9	20.1

296941 2010 DU_{42} 10 19.5 142.°82 0.°5/19.9 18

9 18	2 1.58	+13 43.9	1.951	2.813	12.7	21.7
9 28	1 55.56	+13 13.0	1.888	2.820	9.1	21.5
10 8	1 47.78	+12 30.6	1.849	2.827	5.1	21.3
10 18	1 39.02	+11 40.3	1.837	2.833	1.0	21.0
10 28	1 30.22	+10 47.2	1.855	2.839	3.5	21.2
11 7	1 22.37	+ 9 57.4	1.902	2.845	7.5	21.5
11 17	1 16.22	+ 9 16.1	1.974	2.850	11.1	21.7
11 27	1 12.28	+ 8 47.2	2.070	2.855	14.1	22.0

308149 2005 AK_{30} 10 19.5 344.°19 1.°2/19.1 18

9 18	2 5.16	+ 5 3.7	1.102	2.002	17.3	17.9
9 28	1 59.49	+ 5 53.7	1.033	1.985	12.5	17.6
10 8	1 50.58	+ 6 44.3	0.984	1.969	7.0	17.3
10 18	1 39.44	+ 7 36.7	0.959	1.955	1.4	16.9
10 28	1 27.77	+ 8 32.7	0.958	1.943	5.7	17.1
11 7	1 17.40	+ 9 33.7	0.982	1.932	11.7	17.4
11 17	1 9.86	+10 40.9	1.027	1.924	17.0	17.7
11 27	1 6.07	+11 55.6	1.090	1.917	21.5	17.9

222432 2001 PP_{53} 10 19.5 10.°20 0.°2/19.4 18

9 18	2 3.02	+ 9 45.6	1.138	2.034	17.2	19.2
9 28	1 57.53	+ 9 54.4	1.086	2.035	12.4	19.0
10 8	1 49.22	+ 9 53.3	1.054	2.038	6.8	18.7
10 18	1 39.22	+ 9 45.5	1.046	2.042	0.9	18.3
10 28	1 29.13	+ 9 36.5	1.062	2.047	5.1	18.6
11 7	1 20.53	+ 9 32.3	1.102	2.052	10.7	18.9
11 17	1 14.60	+ 9 37.9	1.164	2.059	15.6	19.3
11 27	1 12.00	+ 9 56.9	1.245	2.067	19.6	19.5

389527 2010 JF_{38} 10 19.5 197.°22 1.°2/18.6 18

9 18	2 4.14	+ 7 19.3	2.015	2.886	12.0	21.1
9 28	1 57.39	+ 7 7.6	1.945	2.884	8.5	20.9
10 8	1 48.82	+ 6 50.7	1.901	2.882	4.6	20.7
10 18	1 39.17	+ 6 31.9	1.884	2.879	1.2	20.4
10 28	1 29.41	+ 6 15.1	1.897	2.876	4.2	20.7
11 7	1 20.52	+ 6 4.4	1.939	2.873	8.1	20.9
11 17	1 13.30	+ 6 2.8	2.007	2.869	11.6	21.1
11 27	1 8.34	+ 6 12.7	2.098	2.865	14.5	21.3

68198 2001 BP_{71} 10 19.5 185.°36 1.°1/20.6 18

9 18	1 59.05	+15 19.2	2.386	3.239	11.0	19.7
9 28	1 53.59	+15 1.0	2.313	3.239	8.0	19.5
10 8	1 46.66	+14 32.5	2.264	3.239	4.7	19.3
10 18	1 38.88	+13 55.8	2.244	3.238	1.4	19.1
10 28	1 31.01	+13 14.7	2.253	3.238	2.9	19.2
11 7	1 23.84	+12 33.7	2.292	3.237	6.3	19.4
11 17	1 18.03	+11 57.3	2.358	3.236	9.4	19.6
11 27	1 14.07	+11 29.2	2.448	3.235	12.1	19.8

319273 2006 BP_{45} 10 19.5 168.°65 3.°5/15.2 18

9 18	1 56.72	− 0 2.4	2.613	3.495	9.2	20.8
9 28	1 51.75	− 1 6.4	2.555	3.497	6.6	20.7
10 8	1 45.57	− 2 10.5	2.525	3.499	4.2	20.5
10 18	1 38.73	− 3 10.0	2.523	3.501	3.6	20.5
10 28	1 31.87	− 3 59.9	2.550	3.503	5.4	20.6
11 7	1 25.63	− 4 36.8	2.606	3.504	8.0	20.8
11 17	1 20.56	− 4 58.5	2.688	3.505	10.4	20.9
11 27	1 17.06	− 5 4.3	2.791	3.506	12.5	21.1

261735 2006 AG_{78} 10 19.5 288.°21 3.°6/15.5 18

9 18	1 56.50	+ 2 18.2	2.184	3.071	10.5	20.0
9 28	1 51.93	+ 1 2.7	2.106	3.052	7.5	19.8
10 8	1 45.83	− 0 16.7	2.053	3.032	4.6	19.6
10 18	1 38.78	− 1 34.1	2.029	3.013	3.7	19.5
10 28	1 31.57	− 2 42.6	2.034	2.993	6.0	19.6
11 7	1 25.00	− 3 36.7	2.066	2.973	9.2	19.8
11 17	1 19.76	− 4 12.7	2.123	2.954	12.3	19.9
11 27	1 16.40	− 4 29.0	2.201	2.934	14.9	20.1

146399 2001 QS_{162} 10 19.5 58.°53 3.°9/22.5 18

9 18	2 3.23	+21 17.1	1.365	2.220	17.4	19.8
9 28	1 57.32	+21 11.8	1.314	2.235	13.3	19.6
10 8	1 48.95	+20 43.9	1.285	2.250	8.7	19.4
10 18	1 39.20	+19 55.6	1.279	2.266	4.6	19.2
10 28	1 29.52	+18 52.8	1.299	2.282	4.9	19.3
11 7	1 21.28	+17 45.0	1.345	2.298	8.9	19.6
11 17	1 15.48	+16 41.4	1.415	2.314	13.1	19.8
11 27	1 12.66	+15 49.7	1.506	2.330	16.7	20.1

98624 2000 WD_{93} 10 19.6 258.°29 2.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.23	+ 4 52.5	1.953	2.832	11.9	19.5
9 28	1 56.21	+ 4 14.2	1.871	2.813	8.5	19.3
10 8	1 48.29	+ 3 31.0	1.813	2.794	4.8	19.0
10 18	1 39.14	+ 2 47.7	1.783	2.775	2.5	18.8
10 28	1 29.74	+ 2 9.9	1.782	2.754	5.3	19.0
11 7	1 21.09	+ 1 42.7	1.809	2.734	9.2	19.2
11 17	1 14.08	+ 1 29.9	1.861	2.713	12.8	19.4
11 27	1 9.33	+ 1 33.5	1.935	2.692	15.9	19.5

37900 1998 FF_{66} 10 19.6 120.°92 0.°7/20.1 18

9 18	2 2.99	+13 39.1	1.848	2.711	13.2	18.7
9 28	1 56.64	+13 20.9	1.788	2.721	9.6	18.5
10 8	1 48.42	+12 51.4	1.753	2.730	5.4	18.2
10 18	1 39.14	+12 13.5	1.744	2.740	1.2	18.0
10 28	1 29.87	+11 32.3	1.765	2.749	3.6	18.2
11 7	1 21.61	+10 53.3	1.813	2.757	7.7	18.4
11 17	1 15.18	+10 21.8	1.888	2.766	11.4	18.7
11 27	1 11.10	+10 1.6	1.985	2.774	14.5	18.9

196566 2003 QE_{24} 10 19.6 77.°96 0.°4/19.9 18

9 18	2 1.67	+14 4.0	1.639	2.508	14.3	20.3
9 28	1 55.77	+13 25.1	1.590	2.526	10.2	20.1
10 8	1 47.93	+12 32.9	1.564	2.543	5.7	19.9
10 18	1 39.07	+11 32.1	1.565	2.560	1.0	19.6
10 28	1 30.31	+10 29.4	1.593	2.578	3.8	19.8
11 7	1 22.73	+ 9 32.1	1.650	2.595	8.3	20.1
11 17	1 17.12	+ 8 46.0	1.731	2.612	12.1	20.4
11 27	1 13.97	+ 8 15.2	1.834	2.629	15.3	20.7

403185 2008 JC_{22} 10 19.6 133.°61 3.°5/16.1 18

9 18	1 59.85	+ 0 12.8	2.302	3.182	10.3	21.5
9 28	1 54.07	− 0 27.4	2.247	3.189	7.3	21.3
10 8	1 46.89	− 1 7.2	2.219	3.195	4.6	21.2
10 18	1 38.94	− 1 42.1	2.218	3.201	3.5	21.1
10 28	1 31.00	− 2 7.8	2.247	3.207	5.5	21.2
11 7	1 23.84	− 2 20.9	2.304	3.212	8.4	21.4
11 17	1 18.06	− 2 20.0	2.386	3.217	11.1	21.6
11 27	1 14.11	− 2 4.6	2.491	3.223	13.4	21.8

170703 2004 BB_{26} 10 19.6 320.°28 5.°9/13.7 18

9 18	1 57.42	− 1 50.9	1.709	2.606	12.4	20.1
9 28	1 52.80	− 3 31.9	1.654	2.601	9.1	19.9
10 8	1 46.37	− 5 12.6	1.624	2.596	6.5	19.7
10 18	1 38.88	− 6 44.0	1.621	2.592	6.2	19.7
10 28	1 31.32	− 7 57.2	1.645	2.588	8.7	19.8
11 7	1 24.69	− 8 46.4	1.693	2.584	11.9	20.0
11 17	1 19.77	− 9 9.1	1.764	2.580	15.0	20.2
11 27	1 17.10	− 9 6.0	1.854	2.577	17.7	20.4

479112 2013 AQ_{170} 10 19.6 276.°91 0.°3/19.8 18

9 18	1 58.79	+14 28.0	1.864	2.731	12.9	21.7
9 28	1 53.86	+13 36.7	1.779	2.714	9.4	21.4
10 8	1 47.02	+12 30.4	1.718	2.697	5.3	21.2
10 18	1 38.98	+11 13.3	1.684	2.680	0.9	20.8
10 28	1 30.71	+ 9 52.0	1.679	2.663	3.8	21.0
11 7	1 23.24	+ 8 34.2	1.702	2.646	8.2	21.2
11 17	1 17.43	+ 7 27.2	1.751	2.628	12.2	21.4
11 27	1 13.91	+ 6 36.3	1.821	2.611	15.6	21.6

271423 2004 DF_{7} 10 19.6 182.°85 2.°2/17.6 18

9 18	2 3.08	+ 6 12.7	1.939	2.815	12.1	21.6
9 28	1 56.65	+ 5 22.2	1.874	2.816	8.6	21.4
10 8	1 48.42	+ 4 25.9	1.835	2.816	4.7	21.2
10 18	1 39.16	+ 3 29.0	1.823	2.816	2.3	21.0
10 28	1 29.84	+ 2 37.7	1.842	2.815	5.0	21.2
11 7	1 21.45	+ 1 57.4	1.888	2.813	8.9	21.4
11 17	1 14.76	+ 1 32.0	1.960	2.810	12.3	21.6
11 27	1 10.32	+ 1 23.2	2.053	2.807	15.2	21.8

74043 1998 HV_{96} 10 19.6 156.°54 2.°6/17.9 18

9 18	2 5.90	+ 4 56.3	1.536	2.419	14.3	19.1
9 28	1 59.00	+ 4 31.7	1.478	2.422	10.1	18.8
10 8	1 49.84	+ 4 2.8	1.443	2.425	5.6	18.6
10 18	1 39.36	+ 3 34.8	1.435	2.428	2.6	18.4
10 28	1 28.84	+ 3 13.5	1.454	2.430	5.7	18.6
11 7	1 19.53	+ 3 3.7	1.501	2.432	10.2	18.9
11 17	1 12.40	+ 3 8.6	1.571	2.434	14.2	19.1
11 27	1 8.04	+ 3 29.4	1.662	2.435	17.5	19.4

494419 2016 UP_{75} 10 19.6 55.°51 1.°1/20.4 16 R

9 18	2 2.19	+14 56.9	1.456	2.328	15.6	21.6
9 28	1 56.39	+14 36.3	1.406	2.342	11.3	21.4
10 8	1 48.38	+14 0.7	1.379	2.357	6.5	21.2
10 18	1 39.16	+13 13.8	1.376	2.371	1.7	20.9
10 28	1 30.01	+12 22.2	1.401	2.386	4.0	21.1
11 7	1 22.15	+11 33.5	1.452	2.401	8.7	21.4
11 17	1 16.49	+10 54.2	1.528	2.417	12.9	21.7
11 27	1 13.56	+10 28.9	1.624	2.432	16.4	22.0

110929 2001 UC_{147} 10 19.6 186°.38 0°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.99	+10 56.2	1.929	2.798	12.5	20.6
9 28	1 55.93	+10 12.4	1.860	2.798	8.9	20.4
10 8	1 48.06	+ 9 18.7	1.816	2.797	4.8	20.1
10 18	1 39.13	+ 8 19.3	1.800	2.796	0.8	19.8
10 28	1 30.12	+ 7 20.3	1.813	2.794	4.0	20.1
11 7	1 22.02	+ 6 28.0	1.855	2.792	8.1	20.3
11 17	1 15.62	+ 5 47.3	1.923	2.789	11.8	20.6
11 27	1 11.47	+ 5 21.7	2.013	2.786	14.9	20.8

319163 2005 YQ_{83} 10 19.6 187°.08 1°.5/21.2 18

9 18	1 58.49	+17 18.0	2.550	3.393	10.6	21.2
9 28	1 53.15	+16 55.7	2.473	3.393	7.9	21.0
10 8	1 46.44	+16 22.1	2.422	3.392	4.8	20.8
10 18	1 38.92	+15 39.3	2.400	3.392	1.8	20.6
10 28	1 31.32	+14 50.8	2.407	3.390	2.8	20.6
11 7	1 24.38	+14 1.4	2.443	3.389	5.9	20.9
11 17	1 18.72	+13 15.4	2.508	3.387	8.9	21.0
11 27	1 14.79	+12 37.2	2.597	3.386	11.5	21.2

161606 2005 UR_{38} 10 19.6 335°.59 1°.1/18.3 17

9 18	1 55.47	+ 7 44.5	2.764	3.637	9.0	19.8
9 28	1 50.89	+ 7 15.9	2.692	3.633	6.3	19.6
10 8	1 45.16	+ 6 42.8	2.647	3.629	3.4	19.4
10 18	1 38.74	+ 6 8.1	2.631	3.626	1.1	19.3
10 28	1 32.26	+ 5 35.4	2.645	3.623	3.3	19.4
11 7	1 26.33	+ 5 8.1	2.687	3.619	6.2	19.6
11 17	1 21.48	+ 4 49.0	2.757	3.616	8.9	19.8
11 27	1 18.11	+ 4 40.1	2.850	3.614	11.2	20.0

475231 2005 VJ_{129} 10 19.6 338°.72 2°.7/17.7 18

9 18	1 57.00	+ 7 56.5	1.158	2.063	16.2	20.4
9 28	1 53.30	+ 6 55.8	1.095	2.051	11.5	20.1
10 8	1 46.99	+ 5 42.6	1.053	2.039	6.3	19.7
10 18	1 39.02	+ 4 25.1	1.035	2.029	2.7	19.5
10 28	1 30.81	+ 3 14.2	1.040	2.019	6.7	19.7
11 7	1 23.83	+ 2 20.1	1.069	2.011	12.1	20.0
11 17	1 19.22	+ 1 49.3	1.119	2.004	17.0	20.3
11 27	1 17.71	+ 1 44.7	1.187	1.998	21.0	20.5

443269 2014 ET_{18} 10 19.6 22°.45 4°.0/16.5 18 R

9 18	1 59.26	+ 3 29.3	1.379	2.279	14.5	20.1
9 28	1 54.37	+ 2 26.7	1.331	2.284	10.3	19.9
10 8	1 47.31	+ 1 20.4	1.306	2.289	6.0	19.6
10 18	1 39.04	+ 0 18.3	1.307	2.295	4.1	19.6
10 28	1 30.80	− 0 31.2	1.333	2.302	7.1	19.8
11 7	1 23.78	− 1 1.8	1.384	2.310	11.3	20.0
11 17	1 18.86	− 1 10.4	1.457	2.318	15.2	20.3
11 27	1 16.58	− 0 57.0	1.549	2.326	18.4	20.5

452606 2005 NV_{92} 10 19.6 16°.93 10°.4/10.6 18

9 18	1 58.61	−14 14.8	1.533	2.420	14.1	20.3
9 28	1 53.71	−15 45.8	1.502	2.425	11.7	20.2
10 8	1 46.86	−17 0.7	1.493	2.430	10.5	20.2
10 18	1 38.98	−17 50.5	1.509	2.436	10.9	20.2
10 28	1 31.19	−18 9.0	1.547	2.443	12.7	20.3
11 7	1 24.57	−17 54.7	1.607	2.450	15.1	20.5
11 17	1 19.90	−17 10.1	1.687	2.459	17.5	20.7
11 27	1 17.66	−15 59.8	1.783	2.467	19.5	20.9

256477 2007 DN_{64} 10 19.6 133°.08 0°.9/18.6 18

9 18	1 58.86	+ 9 1.1	2.312	3.183	10.6	20.7
9 28	1 53.44	+ 8 26.4	2.249	3.188	7.5	20.5
10 8	1 46.59	+ 7 45.3	2.212	3.193	4.0	20.3
10 18	1 38.95	+ 7 1.6	2.203	3.198	1.0	20.1
10 28	1 31.29	+ 6 19.6	2.224	3.203	3.6	20.3
11 7	1 24.37	+ 5 43.9	2.274	3.208	7.0	20.5
11 17	1 18.81	+ 5 17.8	2.350	3.212	10.1	20.7
11 27	1 15.08	+ 5 3.8	2.450	3.217	12.7	20.9

439841 1997 TB_{20} 10 19.6 72°.67 2°.3/21.4 18

9 18	2 2.76	+17 32.7	1.793	2.646	14.0	21.3
9 28	1 56.57	+17 32.9	1.735	2.658	10.4	21.1
10 8	1 48.44	+17 18.6	1.701	2.671	6.4	20.9
10 18	1 39.21	+16 51.6	1.693	2.684	2.8	20.7
10 28	1 29.97	+16 16.2	1.713	2.696	3.7	20.8
11 7	1 21.81	+15 38.0	1.761	2.709	7.5	21.0
11 17	1 15.54	+15 3.0	1.834	2.722	11.2	21.3
11 27	1 11.70	+14 36.3	1.931	2.735	14.3	21.5

115690 2003 UG_{154} 10 19.6 285°.06 2°.3/21.8 17

9 18	2 0.11	+18 28.2	2.313	3.154	11.7	20.1
9 28	1 54.50	+18 32.6	2.234	3.149	8.8	19.9
10 8	1 47.28	+18 25.0	2.178	3.144	5.6	19.7
10 18	1 39.06	+18 6.2	2.151	3.139	2.7	19.5
10 28	1 30.69	+17 39.2	2.152	3.134	3.3	19.6
11 7	1 23.01	+17 7.9	2.182	3.129	6.4	19.8
11 17	1 16.76	+16 37.1	2.240	3.124	9.6	20.0
11 27	1 12.49	+16 11.4	2.321	3.120	12.4	20.1

504847 2010 RE_{188} 10 19.6 350°.88 0°.0/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 40.12	+ 8 18.5	38.514	39.378	0.8	22.3
9 28	1 39.43	+ 8 14.0	38.441	39.377	0.5	22.3
10 8	1 38.67	+ 8 9.2	38.396	39.377	0.3	22.3
10 18	1 37.88	+ 8 4.2	38.380	39.376	0.1	22.2
10 28	1 37.08	+ 7 59.4	38.395	39.375	0.2	22.3
11 7	1 36.31	+ 7 54.7	38.439	39.374	0.5	22.3
11 17	1 35.60	+ 7 50.5	38.513	39.373	0.7	22.3
11 27	1 34.97	+ 7 46.9	38.613	39.372	0.9	22.4

55393 2001 SB_{280} 10 19.6 26°.30 1°.4/18.4 18

9 18	1 59.99	+ 8 9.4	1.733	2.616	13.0	18.3
9 28	1 54.62	+ 7 38.8	1.675	2.620	9.2	18.1
10 8	1 47.38	+ 7 1.1	1.641	2.624	5.0	17.9
10 18	1 39.08	+ 6 20.9	1.633	2.628	1.4	17.7
10 28	1 30.74	+ 5 43.9	1.653	2.632	4.6	17.9
11 7	1 23.38	+ 5 15.4	1.700	2.637	8.7	18.2
11 17	1 17.81	+ 4 59.3	1.771	2.642	12.4	18.4
11 27	1 14.56	+ 4 58.1	1.864	2.648	15.5	18.6

97144 1999 VM_{143} 10 19.6 201°.18 5°.8/15.1 18

9 18	2 7.28	− 8 5.6	2.220	3.086	11.2	19.5
9 28	1 59.45	− 8 28.8	2.157	3.082	8.6	19.3
10 8	1 49.92	− 8 44.6	2.120	3.078	6.4	19.2
10 18	1 39.43	− 8 48.3	2.112	3.073	5.9	19.1
10 28	1 28.91	− 8 36.2	2.134	3.068	7.6	19.2
11 7	1 19.29	− 8 6.9	2.184	3.063	10.1	19.4
11 17	1 11.31	− 7 20.7	2.259	3.057	12.8	19.5
11 27	1 5.49	− 6 19.5	2.356	3.050	15.0	19.7

288464 2004 EJ_{91} 10 19.6 102°.72 1°.1/18.7 16

9 18	2 4.27	+ 9 27.4	1.593	2.470	14.2	21.7
9 28	1 57.67	+ 8 50.9	1.544	2.486	10.0	21.5
10 8	1 49.03	+ 8 5.5	1.519	2.502	5.4	21.2
10 18	1 39.30	+ 7 16.4	1.521	2.517	1.2	21.0
10 28	1 29.67	+ 6 30.1	1.551	2.532	4.6	21.3
11 7	1 21.28	+ 5 52.8	1.608	2.546	9.1	21.6
11 17	1 14.97	+ 5 28.9	1.690	2.560	13.0	21.8
11 27	1 11.25	+ 5 20.9	1.793	2.574	16.1	22.1

387685 2002 TU_{303} 10 19.6 103°.26 1°.4/18.5 18

9 18	2 4.75	+ 6 39.4	1.940	2.813	12.3	21.4
9 28	1 57.75	+ 6 30.3	1.887	2.826	8.7	21.2
10 8	1 49.00	+ 6 16.9	1.859	2.840	4.7	21.0
10 18	1 39.30	+ 6 2.4	1.858	2.853	1.4	20.8
10 28	1 29.65	+ 5 50.7	1.888	2.866	4.2	21.0
11 7	1 21.02	+ 5 45.5	1.945	2.879	8.0	21.3
11 17	1 14.16	+ 5 49.5	2.029	2.892	11.5	21.5
11 27	1 9.57	+ 6 4.3	2.136	2.904	14.3	21.8

287683 2003 QA_{17} 10 19.6 14°.40 5°.7/13.9 18

9 18	1 56.27	− 2 42.3	1.803	2.699	11.8	19.9
9 28	1 51.86	− 4 4.8	1.757	2.703	8.7	19.7
10 8	1 45.82	− 5 24.8	1.735	2.706	6.2	19.5
10 18	1 38.87	− 6 34.7	1.740	2.711	5.9	19.5
10 28	1 31.92	− 7 27.4	1.771	2.715	8.1	19.7
11 7	1 25.87	− 7 58.6	1.828	2.721	11.1	19.9
11 17	1 21.42	− 8 6.6	1.907	2.726	13.9	20.1
11 27	1 19.04	− 7 52.4	2.006	2.733	16.4	20.3

397281 2006 SR_{17} 10 19.6 346°.18 0°.1/19.7 18

9 18	1 55.55	+14 15.6	1.436	2.321	15.0	20.0
9 28	1 51.89	+13 19.1	1.368	2.312	10.8	19.8
10 8	1 46.07	+12 5.1	1.322	2.304	6.1	19.5
10 18	1 38.92	+10 39.3	1.301	2.297	0.9	19.1
10 28	1 31.62	+ 9 10.4	1.306	2.290	4.4	19.4
11 7	1 25.34	+ 7 48.6	1.337	2.285	9.4	19.6
11 17	1 21.04	+ 6 42.0	1.391	2.281	13.9	19.9
11 27	1 19.35	+ 5 56.3	1.466	2.278	17.6	20.1

324238 2006 BG_{131} 10 19.6 176°.43 1°.6/17.7 18

9 18	1 57.40	+ 6 28.0	2.637	3.510	9.4	21.2
9 28	1 52.28	+ 5 43.8	2.571	3.511	6.6	21.0
10 8	1 45.94	+ 4 55.3	2.531	3.512	3.6	20.8
10 18	1 38.89	+ 4 6.3	2.520	3.513	1.6	20.6
10 28	1 31.81	+ 3 21.1	2.540	3.513	3.8	20.8
11 7	1 25.35	+ 2 43.4	2.588	3.514	6.8	21.0
11 17	1 20.06	+ 2 16.4	2.664	3.513	9.5	21.2
11 27	1 16.35	+ 2 1.9	2.763	3.513	11.8	21.4

404566 2013 JS_{53} 10 19.6 80°.05 1°.0/18.6 18

9 18	1 59.23	+ 9 5.0	2.156	3.029	11.2	21.1
9 28	1 53.72	+ 8 30.2	2.103	3.043	7.9	20.9
10 8	1 46.75	+ 7 49.0	2.076	3.058	4.2	20.7
10 18	1 39.00	+ 7 5.4	2.077	3.072	1.0	20.5
10 28	1 31.29	+ 6 23.9	2.107	3.086	3.7	20.7
11 7	1 24.43	+ 5 49.3	2.165	3.101	7.2	21.0
11 17	1 19.03	+ 5 24.9	2.250	3.115	10.4	21.2
11 27	1 15.55	+ 5 13.0	2.358	3.129	13.0	21.4

51271 2000 JD_{74} 10 19.6 178°.84 3°.2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.05	+21 43.0	2.078	2.910	13.2	19.5
9 28	1 55.31	+21 33.9	2.004	2.911	10.1	19.3
10 8	1 47.77	+21 8.3	1.952	2.911	6.7	19.1
10 18	1 39.17	+20 27.3	1.927	2.912	3.7	18.9
10 28	1 30.45	+19 34.6	1.931	2.912	3.9	18.9
11 7	1 22.58	+18 36.2	1.964	2.911	6.9	19.1
11 17	1 16.37	+17 38.4	2.023	2.911	10.3	19.3
11 27	1 12.35	+16 47.4	2.106	2.910	13.2	19.5

374796 2006 TD_{79} 10 19.6 348°.12 4°.6/17.9 18

9 18	2 4.91	− 0 9.4	0.954	1.865	18.3	19.3
9 28	1 59.48	+ 0 11.8	0.897	1.853	13.4	19.0
10 8	1 50.66	+ 0 38.8	0.859	1.842	8.0	18.7
10 18	1 39.61	+ 1 16.4	0.842	1.833	4.6	18.4
10 28	1 28.20	+ 2 9.1	0.848	1.826	8.1	18.6
11 7	1 18.40	+ 3 18.3	0.877	1.821	13.7	18.9
11 17	1 11.69	+ 4 42.6	0.925	1.818	18.9	19.2
11 27	1 8.91	+ 6 20.1	0.991	1.816	23.3	19.5

22831 Trevanvoorth 10 19.6 327°.88 2°.7/16.8 18

9 18	1 57.01	+ 5 37.3	1.928	2.816	11.6	18.7
9 28	1 52.41	+ 4 28.4	1.864	2.811	8.2	18.5
10 8	1 46.17	+ 3 13.7	1.825	2.807	4.6	18.2
10 18	1 38.97	+ 1 59.1	1.813	2.803	2.8	18.1
10 28	1 31.69	+ 0 51.7	1.829	2.800	5.4	18.3
11 7	1 25.22	− 0 2.5	1.873	2.796	9.0	18.5
11 17	1 20.29	− 0 39.3	1.942	2.793	12.4	18.7
11 27	1 17.39	− 0 56.8	2.031	2.790	15.2	18.9

131803 2002 AD_{59} 10 19.6 68°.90 5°.2/16.1 18

9 18	2 3.75	+ 2 13.0	1.193	2.094	16.2	18.8
9 28	1 57.60	+ 0 51.9	1.162	2.113	11.5	18.6
10 8	1 49.07	− 0 30.3	1.152	2.133	6.9	18.4
10 18	1 39.35	− 1 43.4	1.168	2.153	5.3	18.3
10 28	1 29.92	− 2 38.0	1.209	2.173	8.4	18.6
11 7	1 22.09	− 3 8.0	1.273	2.193	12.6	18.9
11 17	1 16.76	− 3 12.1	1.359	2.213	16.5	19.2
11 27	1 14.37	− 2 51.6	1.464	2.233	19.7	19.5

320454 2007 VS_{217} 10 19.6 165°.71 1°.4/18.6 17

9 18	2 5.07	+ 8 48.0	1.609	2.486	14.1	21.5
9 28	1 58.39	+ 8 10.9	1.548	2.490	10.0	21.3
10 8	1 49.55	+ 7 25.1	1.511	2.493	5.4	21.0
10 18	1 39.44	+ 6 35.6	1.501	2.496	1.4	20.8
10 28	1 29.29	+ 5 48.8	1.519	2.499	4.9	21.0
11 7	1 20.29	+ 5 11.4	1.565	2.501	9.4	21.3
11 17	1 13.37	+ 4 47.9	1.635	2.502	13.5	21.5
11 27	1 9.11	+ 4 41.0	1.726	2.503	16.8	21.8

75137 1999 VW_{79} 10 19.6 272°.17 1°.0/20.2 18

9 18	2 3.53	+14 1.4	1.483	2.355	15.4	19.8
9 28	1 57.70	+13 48.3	1.409	2.345	11.3	19.5
10 8	1 49.37	+13 20.8	1.356	2.334	6.5	19.2
10 18	1 39.44	+12 41.5	1.328	2.324	1.5	18.9
10 28	1 29.21	+11 56.1	1.328	2.313	4.3	19.0
11 7	1 20.05	+11 12.1	1.354	2.302	9.4	19.3
11 17	1 13.08	+10 36.5	1.404	2.291	14.0	19.5
11 27	1 9.05	+10 14.9	1.475	2.281	17.9	19.8

249258 2008 SP_{53} 10 19.6 351°.98 0°.6/18.6 18

9 18	1 51.37	+ 8 53.4	4.281	5.146	6.2	20.5
9 28	1 47.70	+ 8 21.1	4.209	5.146	4.4	20.4
10 8	1 43.34	+ 7 45.4	4.165	5.146	2.4	20.2
10 18	1 38.58	+ 7 8.2	4.150	5.145	0.6	20.1
10 28	1 33.79	+ 6 32.0	4.167	5.145	2.1	20.2
11 7	1 29.34	+ 5 58.9	4.213	5.145	4.2	20.4
11 17	1 25.53	+ 5 31.1	4.289	5.145	6.0	20.5
11 27	1 22.66	+ 5 10.1	4.389	5.145	7.7	20.6

313349 2002 GS_{120} 10 19.6 170°.72 3°.8/16.0 18

9 18	2 0.58	− 1 10.3	2.254	3.134	10.5	20.3
9 28	1 54.70	− 1 43.3	2.195	3.135	7.6	20.1
10 8	1 47.33	− 2 14.8	2.161	3.136	4.9	20.0
10 18	1 39.14	− 2 40.4	2.156	3.136	3.9	19.9
10 28	1 30.91	− 2 55.8	2.179	3.136	5.8	20.0
11 7	1 23.46	− 2 58.2	2.231	3.137	8.7	20.2
11 17	1 17.43	− 2 46.3	2.307	3.137	11.5	20.4
11 27	1 13.29	− 2 19.9	2.406	3.137	13.9	20.6

208093 1999 XS_{217} 10 19.6 320°.22 0°.2/19.7 18

9 18	2 0.16	+12 30.5	1.631	2.507	14.0	20.7
9 28	1 55.02	+12 5.5	1.560	2.500	10.1	20.4
10 8	1 47.77	+11 28.3	1.512	2.493	5.7	20.1
10 18	1 39.22	+10 42.6	1.490	2.486	0.9	19.8
10 28	1 30.48	+ 9 54.2	1.495	2.479	4.1	20.0
11 7	1 22.71	+ 9 10.0	1.527	2.473	8.7	20.3
11 17	1 16.84	+ 8 35.8	1.583	2.467	12.9	20.5
11 27	1 13.51	+ 8 16.2	1.661	2.461	16.4	20.7

273504 2007 AE_{27} 10 19.6 339°.43 1°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.77	+14 38.4	1.103	1.996	17.9	20.5
9 28	1 54.87	+14 33.1	1.036	1.982	13.2	20.2
10 8	1 48.05	+14 9.5	0.988	1.969	7.8	19.9
10 18	1 39.28	+13 30.5	0.963	1.958	2.2	19.5
10 28	1 30.13	+12 42.8	0.961	1.948	4.9	19.7
11 7	1 22.27	+11 56.0	0.982	1.939	10.8	20.0
11 17	1 17.02	+11 19.3	1.025	1.931	16.1	20.3
11 27	1 15.22	+10 59.6	1.086	1.925	20.6	20.5

487162 2014 OL_{252} 10 19.6 47°.25 4°.0/23.1 18

9 18	2 2.30	+22 36.2	2.089	2.915	13.3	21.2
9 28	1 56.26	+22 55.9	2.015	2.916	10.4	21.0
10 8	1 48.35	+22 59.9	1.965	2.918	7.2	20.8
10 18	1 39.30	+22 48.0	1.941	2.919	4.5	20.7
10 28	1 30.09	+22 22.4	1.945	2.921	4.5	20.7
11 7	1 21.72	+21 47.9	1.977	2.923	7.1	20.8
11 17	1 15.03	+21 10.2	2.036	2.924	10.2	21.0
11 27	1 10.61	+20 35.2	2.119	2.926	13.1	21.2

298089 2002 RF_{36} 10 19.6 36°.37 4°.6/15.2 18

9 18	1 56.98	+ 3 40.4	1.510	2.409	13.5	20.2
9 28	1 52.60	+ 1 47.5	1.466	2.418	9.5	20.0
10 8	1 46.32	− 0 10.0	1.446	2.427	5.8	19.8
10 18	1 39.00	− 2 1.8	1.453	2.437	4.8	19.8
10 28	1 31.75	− 3 37.5	1.486	2.447	7.7	20.0
11 7	1 25.58	− 4 49.4	1.546	2.457	11.5	20.2
11 17	1 21.29	− 5 34.0	1.627	2.468	14.9	20.5
11 27	1 19.35	− 5 51.1	1.728	2.479	17.8	20.7

407192 2009 US_{117} 10 19.6 46°.19 1°.4/18.1 17

9 18	1 56.82	+ 9 7.6	2.115	2.993	11.2	21.3
9 28	1 52.12	+ 8 8.8	2.055	2.998	7.8	21.1
10 8	1 45.96	+ 7 2.4	2.020	3.002	4.2	20.9
10 18	1 38.96	+ 5 53.3	2.013	3.007	1.4	20.7
10 28	1 31.95	+ 4 47.6	2.035	3.012	4.1	20.9
11 7	1 25.72	+ 3 50.9	2.085	3.017	7.7	21.1
11 17	1 20.91	+ 3 7.4	2.161	3.023	10.9	21.4
11 27	1 17.98	+ 2 39.8	2.260	3.028	13.6	21.6

446481 2014 KW_{19} 10 19.6 124°.88 3°.4/16.7 18

9 18	2 1.56	+ 1 36.8	1.997	2.879	11.5	21.3
9 28	1 55.51	+ 0 57.6	1.943	2.886	8.2	21.1
10 8	1 47.82	+ 0 17.6	1.914	2.892	4.9	20.9
10 18	1 39.22	− 0 18.1	1.912	2.898	3.4	20.9
10 28	1 30.64	− 0 44.5	1.939	2.904	5.7	21.0
11 7	1 22.96	− 0 58.0	1.994	2.910	9.0	21.2
11 17	1 16.89	− 0 56.5	2.074	2.916	12.1	21.4
11 27	1 12.92	− 0 39.6	2.175	2.921	14.7	21.6

326057 2011 AP_{20} 10 19.6 263°.48 5°.4/13.7 18

9 18	1 57.72	− 5 37.7	2.309	3.192	10.1	20.3
9 28	1 52.68	− 6 41.3	2.252	3.188	7.6	20.1
10 8	1 46.25	− 7 41.0	2.220	3.183	5.8	20.0
10 18	1 39.02	− 8 31.0	2.217	3.178	5.6	20.0
10 28	1 31.73	− 9 6.3	2.241	3.174	7.4	20.1
11 7	1 25.15	− 9 23.6	2.292	3.169	9.8	20.2
11 17	1 19.89	− 9 21.7	2.366	3.164	12.2	20.4
11 27	1 16.40	− 9 1.3	2.461	3.159	14.4	20.6

25028 1998 QL_{26} 10 19.6 352°.99 3°.2/17.2 18 R

9 18	1 58.97	+ 5 7.2	1.443	2.340	14.2	18.1
9 28	1 54.25	+ 4 15.8	1.385	2.336	10.0	17.9
10 8	1 47.37	+ 3 18.5	1.350	2.333	5.7	17.6
10 18	1 39.20	+ 2 22.1	1.339	2.331	3.2	17.5
10 28	1 30.93	+ 1 34.7	1.355	2.329	6.3	17.7
11 7	1 23.76	+ 1 2.6	1.396	2.328	10.7	17.9
11 17	1 18.61	+ 0 50.0	1.460	2.328	14.8	18.2
11 27	1 16.09	+ 0 58.1	1.544	2.328	18.2	18.4

220215 2002 VF_{87} 10 19.6 9°.25 3°.0/21.3 18

9 18	1 59.47	+16 39.6	0.990	1.883	19.4	19.3
9 28	1 55.40	+16 52.6	0.941	1.885	14.5	19.1
10 8	1 48.30	+16 44.6	0.910	1.888	8.9	18.8
10 18	1 39.34	+16 17.4	0.900	1.893	3.6	18.5
10 28	1 30.25	+15 37.8	0.913	1.899	5.2	18.6
11 7	1 22.78	+14 55.5	0.948	1.907	10.6	19.0
11 17	1 18.15	+14 19.9	1.004	1.917	15.8	19.3
11 27	1 17.05	+13 58.4	1.079	1.928	20.1	19.6

274924 2009 SM_{161} 10 19.6 359°.07 1°.3/20.4 18

9 18	1 56.26	+14 7.3	0.932	1.838	19.1	19.8
9 28	1 53.23	+13 59.6	0.880	1.833	14.0	19.5
10 8	1 47.16	+13 32.2	0.846	1.829	8.1	19.2
10 18	1 39.19	+12 49.3	0.832	1.828	2.0	18.8
10 28	1 31.01	+11 59.5	0.841	1.828	5.2	19.1
11 7	1 24.35	+11 13.5	0.871	1.830	11.3	19.4
11 17	1 20.51	+10 40.6	0.921	1.834	16.7	19.7
11 27	1 20.18	+10 26.7	0.988	1.841	21.2	20.0

177668 2005 EL_{42} 10 19.6 223°.48 17°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.00	−23 3.9	1.167	2.041	18.5	19.4
9 28	1 57.59	−26 17.6	1.147	2.038	17.2	19.4
10 8	1 49.34	−28 59.7	1.148	2.035	17.3	19.4
10 18	1 39.47	−30 53.9	1.168	2.031	18.6	19.4
10 28	1 29.62	−31 51.0	1.207	2.028	20.6	19.6
11 7	1 21.38	−31 51.5	1.261	2.024	22.9	19.7
11 17	1 15.85	−31 2.0	1.329	2.019	24.9	19.9
11 27	1 13.63	−29 32.4	1.405	2.015	26.7	20.1

399086 2014 DZ_{14} 10 19.6 91°.62 1°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.48	+ 6 4.3	1.762	2.637	13.2	20.2
9 28	1 59.20	+ 6 5.5	1.707	2.647	9.4	20.0
10 8	1 49.93	+ 6 2.9	1.677	2.658	5.1	19.8
10 18	1 39.56	+ 5 59.5	1.674	2.668	1.5	19.5
10 28	1 29.20	+ 5 59.1	1.700	2.679	4.5	19.8
11 7	1 19.96	+ 6 5.0	1.754	2.689	8.7	20.1
11 17	1 12.69	+ 6 19.9	1.834	2.699	12.3	20.3
11 27	1 7.93	+ 6 45.2	1.935	2.709	15.4	20.5

428596 2008 EN_{59} 10 19.6 138°.27 1°.6/18.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.28	+ 9 0.5	1.807	2.681	12.9	22.2
9 28	1 56.85	+ 8 2.5	1.753	2.694	9.1	22.0
10 8	1 48.60	+ 6 56.1	1.724	2.705	4.9	21.8
10 18	1 39.37	+ 5 47.0	1.722	2.717	1.6	21.6
10 28	1 30.19	+ 4 42.1	1.750	2.727	4.7	21.8
11 7	1 22.08	+ 3 47.8	1.805	2.737	8.7	22.1
11 17	1 15.80	+ 3 8.7	1.887	2.746	12.3	22.3
11 27	1 11.85	+ 2 47.1	1.989	2.754	15.3	22.5

159945 2005 XQ_{55} 10 19.6 258°.67 3°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.57	+ 2 36.7	1.704	2.588	13.0	21.2
9 28	1 57.39	+ 2 0.3	1.632	2.576	9.4	20.9
10 8	1 49.09	+ 1 21.3	1.584	2.564	5.5	20.7
10 18	1 39.46	+ 0 45.2	1.563	2.551	3.5	20.5
10 28	1 29.62	+ 0 18.2	1.569	2.539	6.3	20.7
11 7	1 20.72	+ 0 5.2	1.603	2.525	10.3	20.9
11 17	1 13.70	+ 0 9.1	1.661	2.512	14.1	21.1
11 27	1 9.23	+ 0 30.9	1.739	2.499	17.4	21.3

225788 2001 UF_{44} 10 19.6 350°.21 2°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.85	+ 6 25.8	1.086	1.994	16.8	19.3
9 28	1 54.77	+ 5 59.2	1.029	1.985	12.0	19.0
10 8	1 47.92	+ 5 24.5	0.991	1.977	6.6	18.7
10 18	1 39.31	+ 4 48.5	0.977	1.971	2.6	18.4
10 28	1 30.47	+ 4 19.4	0.986	1.966	6.6	18.6
11 7	1 22.99	+ 4 4.7	1.017	1.963	12.0	18.9
11 17	1 18.06	+ 4 9.1	1.069	1.961	17.0	19.2
11 27	1 16.40	+ 4 34.2	1.139	1.960	21.1	19.5

353085 2009 DO_{112} 10 19.6 348°.04 5°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.28	+23 38.9	1.699	2.529	15.7	20.8
9 28	1 58.13	+24 16.2	1.626	2.527	12.4	20.6
10 8	1 49.60	+24 34.6	1.575	2.525	8.8	20.4
10 18	1 39.55	+24 32.6	1.548	2.524	5.9	20.2
10 28	1 29.22	+24 12.0	1.549	2.523	5.7	20.2
11 7	1 19.92	+23 38.1	1.576	2.522	8.5	20.4
11 17	1 12.71	+22 58.3	1.628	2.521	12.1	20.6
11 27	1 8.32	+22 20.3	1.703	2.520	15.3	20.8

475399 2006 HK_{106} 10 19.6 38°.38 6°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.63	− 5 37.9	1.383	2.275	15.0	20.2
9 28	1 58.79	− 6 2.3	1.347	2.288	11.2	20.0
10 8	1 49.73	− 6 18.1	1.333	2.303	7.8	19.9
10 18	1 39.54	− 6 18.9	1.344	2.318	6.8	19.9
10 28	1 29.56	− 6 0.2	1.381	2.334	9.0	20.0
11 7	1 21.04	− 5 20.8	1.443	2.350	12.4	20.3
11 17	1 14.85	− 4 22.3	1.527	2.367	15.8	20.6
11 27	1 11.47	− 3 7.6	1.630	2.384	18.6	20.8

43093 1999 XA_{7} 10 19.6 326°.27 3°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.26	+23 43.0	2.122	2.949	13.1	18.6
9 28	1 53.36	+23 24.5	2.044	2.946	10.2	18.5
10 8	1 46.76	+22 47.7	1.989	2.943	7.0	18.3
10 18	1 39.14	+21 54.2	1.960	2.940	4.2	18.1
10 28	1 31.41	+20 47.7	1.959	2.938	4.0	18.1
11 7	1 24.47	+19 34.7	1.986	2.935	6.8	18.2
11 17	1 19.09	+18 21.9	2.040	2.933	10.0	18.4
11 27	1 15.80	+17 16.2	2.119	2.931	12.9	18.6

37222 2000 WB_{142} 10 19.6 224°.23 7°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.43	−10 21.7	1.858	2.737	12.4	18.9
9 28	1 56.33	−11 34.6	1.805	2.732	9.9	18.7
10 8	1 48.38	−12 38.3	1.777	2.726	8.2	18.6
10 18	1 39.37	−13 25.2	1.775	2.720	8.3	18.6
10 28	1 30.31	−13 49.2	1.799	2.713	10.1	18.7
11 7	1 22.21	−13 47.4	1.848	2.706	12.7	18.8
11 17	1 15.86	−13 20.1	1.919	2.699	15.3	19.0
11 27	1 11.82	−12 30.1	2.008	2.692	17.6	19.2

220226 2002 VC_{126} 10 19.6 336°.48 0°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.20	+ 7 49.9	1.043	1.946	17.8	18.9
9 28	1 58.34	+ 8 21.3	0.973	1.926	13.0	18.5
10 8	1 50.18	+ 8 47.4	0.922	1.907	7.3	18.2
10 18	1 39.69	+ 9 10.2	0.894	1.890	1.0	17.7
10 28	1 28.56	+ 9 33.5	0.889	1.874	5.7	18.0
11 7	1 18.71	+10 1.5	0.907	1.860	11.9	18.3
11 17	1 11.72	+10 38.2	0.945	1.848	17.6	18.5
11 27	1 8.58	+11 26.7	1.001	1.837	22.3	18.8

45507 2000 BM_{18} 10 19.6 340°.46 2°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.01	+ 6 29.2	1.510	2.401	14.0	18.5
9 28	1 55.00	+ 5 52.8	1.446	2.395	9.9	18.2
10 8	1 47.81	+ 5 9.6	1.406	2.389	5.5	18.0
10 18	1 39.31	+ 4 25.1	1.391	2.384	2.3	17.8
10 28	1 30.66	+ 3 46.4	1.402	2.380	5.6	18.0
11 7	1 23.06	+ 3 19.5	1.439	2.375	10.1	18.2
11 17	1 17.45	+ 3 8.7	1.500	2.372	14.2	18.5
11 27	1 14.45	+ 3 15.9	1.580	2.369	17.6	18.7

139532 2001 QM_{12} 10 19.6 24°.03 1°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.43	+15 42.5	1.394	2.269	15.9	19.0
9 28	1 55.35	+15 39.9	1.343	2.280	11.7	18.7
10 8	1 47.99	+15 21.7	1.314	2.291	7.0	18.5
10 18	1 39.33	+14 50.6	1.309	2.303	2.4	18.3
10 28	1 30.67	+14 12.2	1.331	2.316	4.1	18.4
11 7	1 23.28	+13 33.7	1.378	2.330	8.7	18.7
11 17	1 18.09	+13 1.9	1.448	2.345	13.0	19.0
11 27	1 15.67	+12 41.8	1.540	2.361	16.5	19.3

159305 2006 BG_{79} 10 19.6 44°.36 0°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.28	+10 29.7	1.965	2.837	12.1	19.9
9 28	1 54.67	+10 16.4	1.911	2.849	8.6	19.7
10 8	1 47.41	+ 9 55.5	1.881	2.862	4.7	19.5
10 18	1 39.25	+ 9 30.1	1.879	2.875	0.6	19.2
10 28	1 31.11	+ 9 4.4	1.905	2.888	3.5	19.4
11 7	1 23.88	+ 8 42.8	1.960	2.902	7.4	19.7
11 17	1 18.28	+ 8 29.2	2.040	2.916	10.8	20.0
11 27	1 14.77	+ 8 26.0	2.143	2.930	13.6	20.2

445611 2011 SG_{135} 10 19.6 17°.91 1°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.05	+10 13.4	1.517	2.404	14.2	20.7
9 28	1 54.22	+ 9 30.1	1.461	2.407	10.1	20.5
10 8	1 47.33	+ 8 36.2	1.427	2.411	5.5	20.2
10 18	1 39.25	+ 7 37.1	1.420	2.415	1.1	19.9
10 28	1 31.14	+ 6 40.2	1.439	2.420	4.7	20.2
11 7	1 24.12	+ 5 52.7	1.484	2.426	9.3	20.5
11 17	1 19.07	+ 5 20.0	1.553	2.432	13.4	20.8
11 27	1 16.53	+ 5 5.2	1.642	2.438	16.7	21.0

40502 1999 RT_{82} 10 19.6 36°.85 2°.0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.03	+17 9.4	1.481	2.348	15.6	18.9
9 28	1 55.73	+16 51.8	1.424	2.356	11.6	18.6
10 8	1 48.20	+16 16.9	1.389	2.363	7.0	18.4
10 18	1 39.38	+15 27.7	1.378	2.372	2.6	18.2
10 28	1 30.53	+14 30.5	1.395	2.380	4.0	18.3
11 7	1 22.87	+13 33.3	1.437	2.389	8.6	18.6
11 17	1 17.35	+12 43.5	1.504	2.398	12.8	18.8
11 27	1 14.55	+12 7.0	1.592	2.408	16.3	19.1

11516 Arthurpage 10 19.6 96°.09 0°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.05	+ 9 1.4	1.426	2.305	15.4	17.7
9 28	1 59.96	+ 8 49.8	1.376	2.318	11.0	17.5
10 8	1 50.50	+ 8 29.8	1.348	2.330	6.0	17.3
10 18	1 39.70	+ 8 5.4	1.346	2.341	1.0	17.0
10 28	1 28.96	+ 7 42.1	1.371	2.353	4.8	17.3
11 7	1 19.61	+ 7 25.8	1.423	2.364	9.7	17.6
11 17	1 12.62	+ 7 20.7	1.499	2.376	13.9	17.9
11 27	1 8.56	+ 7 29.3	1.595	2.387	17.4	18.1

257221 2009 CX_{26} 10 19.6 90°.56 0°.6/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.42	+10 40.7	1.313	2.195	16.3	21.3
9 28	1 59.60	+10 13.6	1.267	2.210	11.6	21.0
10 8	1 50.31	+ 9 35.0	1.243	2.225	6.3	20.8
10 18	1 39.67	+ 8 50.0	1.245	2.241	0.9	20.5
10 28	1 29.16	+ 8 6.0	1.272	2.255	4.9	20.8
11 7	1 20.17	+ 7 30.2	1.326	2.270	10.0	21.1
11 17	1 13.66	+ 7 8.1	1.404	2.284	14.4	21.4
11 27	1 10.19	+ 7 2.8	1.501	2.298	18.0	21.7

186697 2004 BK_{38} 10 19.6 185°.70 3°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.26	+ 2 31.3	1.889	2.770	12.1	21.0
9 28	1 56.89	+ 1 31.9	1.827	2.770	8.7	20.8
10 8	1 48.70	+ 0 29.9	1.791	2.769	5.2	20.6
10 18	1 39.46	− 0 28.8	1.782	2.768	3.7	20.5
10 28	1 30.16	− 1 17.5	1.803	2.767	6.2	20.7
11 7	1 21.80	− 1 51.1	1.851	2.764	9.7	20.9
11 17	1 15.17	− 2 6.7	1.923	2.761	13.1	21.1
11 27	1 10.82	− 2 3.6	2.017	2.757	15.9	21.3

108063 2001 FV_{161} 10 19.6 121°.70 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.16	+13 36.4	2.075	2.935	12.1	20.0
9 28	1 55.23	+12 57.4	2.017	2.949	8.7	19.8
10 8	1 47.70	+12 7.7	1.984	2.962	4.8	19.6
10 18	1 39.31	+11 10.9	1.979	2.974	0.8	19.3
10 28	1 30.95	+10 12.5	2.003	2.987	3.3	19.5
11 7	1 23.50	+ 9 18.3	2.056	2.998	7.1	19.8
11 17	1 17.64	+ 8 33.0	2.137	3.010	10.5	20.0
11 27	1 13.84	+ 8 0.4	2.240	3.021	13.3	20.2

63047 2000 WQ_{93} 10 19.6 28°.46 0°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.35	+13 38.6	1.521	2.396	14.9	19.2
9 28	1 55.93	+13 15.3	1.461	2.399	10.8	19.0
10 8	1 48.31	+12 38.4	1.423	2.403	6.1	18.7
10 18	1 39.41	+11 51.7	1.411	2.406	1.2	18.4
10 28	1 30.43	+11 1.3	1.426	2.410	4.0	18.6
11 7	1 22.59	+10 14.7	1.467	2.415	8.8	18.9
11 17	1 16.81	+ 9 38.0	1.532	2.419	13.0	19.2
11 27	1 13.70	+ 9 15.8	1.619	2.424	16.6	19.5

239938 2001 AE_{9} 10 19.6 263°.83 1°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.61	+17 22.1	1.851	2.705	13.6	20.6
9 28	1 56.03	+17 5.1	1.766	2.691	10.2	20.3
10 8	1 48.39	+16 32.8	1.705	2.676	6.2	20.1
10 18	1 39.44	+15 47.0	1.669	2.662	2.4	19.8
10 28	1 30.20	+14 52.3	1.662	2.647	3.7	19.9
11 7	1 21.79	+13 55.3	1.683	2.632	7.8	20.1
11 17	1 15.15	+13 2.8	1.730	2.616	11.8	20.3
11 27	1 10.94	+12 21.0	1.800	2.601	15.3	20.5

294681 2008 AO_{107} 10 19.6 46°.34 4°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.41	+ 0 55.9	1.766	2.657	12.3	20.3
9 28	1 54.19	− 0 6.8	1.715	2.662	8.8	20.1
10 8	1 47.21	− 1 10.2	1.689	2.667	5.5	19.9
10 18	1 39.25	− 2 7.6	1.689	2.672	4.4	19.9
10 28	1 31.30	− 2 52.4	1.717	2.678	6.8	20.0
11 7	1 24.32	− 3 19.8	1.771	2.683	10.2	20.2
11 17	1 19.06	− 3 27.6	1.849	2.689	13.4	20.5
11 27	1 16.00	− 3 15.7	1.947	2.695	16.2	20.7

149200 2002 PH_{42} 10 19.6 7°.21 5°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 52.50	+ 3 13.9	0.782	1.715	18.5	18.2
9 28	1 50.58	+ 2 3.1	0.747	1.715	13.2	17.9
10 8	1 45.68	+ 0 47.9	0.731	1.718	7.9	17.7
10 18	1 39.05	− 0 19.1	0.734	1.724	5.8	17.6
10 28	1 32.44	− 1 4.8	0.758	1.732	9.6	17.8
11 7	1 27.48	− 1 21.2	0.800	1.743	14.8	18.2
11 17	1 25.29	− 1 6.2	0.861	1.757	19.6	18.5
11 27	1 26.40	− 0 22.3	0.937	1.772	23.5	18.8

260833 2005 QT_{25} 10 19.6 246°.31 1°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.54	+ 7 18.7	2.038	2.916	11.5	20.6
9 28	1 54.19	+ 6 40.5	1.972	2.914	8.1	20.4
10 8	1 47.21	+ 5 56.4	1.931	2.913	4.4	20.1
10 18	1 39.27	+ 5 10.6	1.917	2.911	1.6	19.9
10 28	1 31.25	+ 4 28.5	1.933	2.910	4.4	20.1
11 7	1 24.03	+ 3 54.9	1.976	2.908	8.1	20.4
11 17	1 18.34	+ 3 33.5	2.045	2.907	11.4	20.6
11 27	1 14.69	+ 3 26.5	2.137	2.905	14.3	20.8

418007 2007 TN_{446} 10 19.6 7°.88 3°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.14	+ 3 57.7	1.032	1.938	17.7	20.1
9 28	1 58.58	+ 3 39.4	0.983	1.938	12.6	19.8
10 8	1 50.03	+ 3 17.5	0.954	1.939	7.2	19.6
10 18	1 39.68	+ 2 58.6	0.948	1.941	3.5	19.4
10 28	1 29.26	+ 2 50.2	0.966	1.944	7.3	19.6
11 7	1 20.46	+ 2 57.9	1.006	1.948	12.7	19.9
11 17	1 14.52	+ 3 24.1	1.067	1.952	17.5	20.2
11 27	1 12.08	+ 4 9.2	1.146	1.958	21.6	20.5

287168 2002 RR_{251} 10 19.6 7°.87 9°.5/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.24	+28 59.3	1.141	1.983	21.0	19.2
9 28	1 55.34	+30 9.1	1.087	1.985	17.4	19.0
10 8	1 48.38	+30 48.3	1.051	1.989	13.6	18.8
10 18	1 39.46	+30 52.6	1.034	1.996	10.5	18.6
10 28	1 30.27	+30 23.2	1.040	2.004	9.6	18.6
11 7	1 22.59	+29 28.4	1.067	2.014	11.5	18.8
11 17	1 17.74	+28 20.2	1.116	2.026	14.8	19.0
11 27	1 16.48	+27 11.4	1.184	2.039	18.2	19.3

240970 2006 JX_{12} 10 19.6 186°.76 2°.7/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.28	+ 4 13.8	2.081	2.959	11.3	21.1
9 28	1 55.37	+ 3 23.1	2.017	2.959	8.0	20.9
10 8	1 47.84	+ 2 28.8	1.978	2.959	4.6	20.7
10 18	1 39.36	+ 1 35.9	1.968	2.957	2.8	20.6
10 28	1 30.83	+ 0 49.9	1.987	2.956	5.2	20.8
11 7	1 23.12	+ 0 15.8	2.034	2.954	8.6	21.0
11 17	1 16.94	− 0 3.4	2.107	2.951	11.8	21.2
11 27	1 12.82	− 0 6.3	2.201	2.948	14.5	21.4

104610 2000 GG_{101} 10 19.6 126°.92 3°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 5.88	+20 8.0	1.802	2.640	14.6	19.6
9 28	1 58.92	+20 9.9	1.740	2.653	11.1	19.4
10 8	1 49.88	+19 55.0	1.702	2.665	7.2	19.2
10 18	1 39.65	+19 24.2	1.690	2.676	3.7	19.0
10 28	1 29.40	+18 41.8	1.706	2.688	4.1	19.1
11 7	1 20.27	+17 53.8	1.751	2.698	7.7	19.3
11 17	1 13.15	+17 7.3	1.822	2.708	11.3	19.6
11 27	1 8.60	+16 28.3	1.916	2.718	14.5	19.8

315923 2008 SM_{39} 10 19.6 315°.04 0°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.22	+ 9 39.1	4.137	4.998	6.5	20.2
9 28	1 49.09	+ 9 25.9	4.060	4.994	4.6	20.0
10 8	1 44.19	+ 9 9.3	4.010	4.990	2.5	19.9
10 18	1 38.85	+ 8 50.7	3.990	4.986	0.4	19.7
10 28	1 33.46	+ 8 32.1	4.000	4.982	2.0	19.8
11 7	1 28.41	+ 8 15.6	4.041	4.978	4.1	20.0
11 17	1 24.05	+ 8 2.9	4.111	4.974	6.1	20.1
11 27	1 20.68	+ 7 55.8	4.206	4.970	7.8	20.3

313343 2002 GG_{73} 10 19.6 26°.21 2°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.04	+ 3 24.0	1.961	2.838	11.9	19.5
9 28	1 57.40	+ 3 25.0	1.900	2.841	8.5	19.3
10 8	1 48.98	+ 3 24.9	1.864	2.844	4.8	19.1
10 18	1 39.54	+ 3 26.7	1.855	2.848	2.2	19.0
10 28	1 30.05	+ 3 33.7	1.876	2.851	4.7	19.1
11 7	1 21.48	+ 3 48.7	1.926	2.855	8.4	19.4
11 17	1 14.61	+ 4 13.4	2.001	2.860	11.8	19.6
11 27	1 9.98	+ 4 48.6	2.099	2.864	14.6	19.8

59040 1998 SR_{160} 10 19.6 330°.16 0°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.44	+ 9 55.9	1.706	2.584	13.4	19.5
9 28	1 55.85	+ 9 34.5	1.639	2.581	9.6	19.3
10 8	1 48.26	+ 9 4.3	1.596	2.578	5.2	19.0
10 18	1 39.45	+ 8 29.0	1.579	2.575	0.8	18.7
10 28	1 30.50	+ 7 54.0	1.590	2.573	4.2	18.9
11 7	1 22.52	+ 7 25.1	1.629	2.570	8.6	19.2
11 17	1 16.39	+ 7 6.7	1.692	2.568	12.6	19.4
11 27	1 12.71	+ 7 2.1	1.776	2.566	15.9	19.7

78253 2002 PY_{12} 10 19.6 306°.17 2°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.57	+ 4 0.7	2.251	3.135	10.3	19.4
9 28	1 51.96	+ 2 56.1	2.187	3.132	7.3	19.2
10 8	1 45.94	+ 1 47.7	2.148	3.128	4.2	19.0
10 18	1 39.11	+ 0 41.0	2.137	3.125	2.9	18.9
10 28	1 32.22	− 0 18.4	2.156	3.122	5.1	19.1
11 7	1 26.01	− 1 5.5	2.202	3.119	8.3	19.3
11 17	1 21.12	− 1 37.1	2.274	3.116	11.2	19.4
11 27	1 18.00	− 1 51.7	2.368	3.113	13.7	19.6

172825 2004 YH_{14} 10 19.6 9°.87 1°.9/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.28	+15 33.6	0.983	1.878	19.3	19.7
9 28	1 56.02	+15 24.5	0.933	1.879	14.3	19.4
10 8	1 48.71	+14 54.2	0.901	1.881	8.4	19.1
10 18	1 39.53	+14 6.8	0.890	1.885	2.6	18.8
10 28	1 30.23	+13 10.5	0.903	1.890	5.1	19.0
11 7	1 22.55	+12 16.4	0.938	1.896	11.0	19.3
11 17	1 17.75	+11 34.1	0.994	1.903	16.3	19.7
11 27	1 16.49	+11 10.1	1.068	1.911	20.7	20.0

76277 2000 ER_{114} 10 19.6 51°.11 2°.7/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.06	+17 33.0	1.612	2.469	15.1	18.2
9 28	1 57.75	+17 46.9	1.559	2.483	11.3	18.0
10 8	1 49.28	+17 45.4	1.528	2.498	7.0	17.8
10 18	1 39.59	+17 30.0	1.523	2.513	3.2	17.6
10 28	1 29.91	+17 4.5	1.545	2.528	4.1	17.7
11 7	1 21.42	+16 34.7	1.594	2.544	8.0	18.0
11 17	1 15.03	+16 6.9	1.668	2.559	11.9	18.3
11 27	1 11.32	+15 46.7	1.764	2.575	15.1	18.5

145512 2006 DP_{93} 10 19.6 277°.60 0°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.55	+13 8.0	2.299	3.161	11.0	20.6
9 28	1 53.43	+12 45.1	2.222	3.154	8.0	20.4
10 8	1 46.79	+12 12.9	2.170	3.148	4.5	20.2
10 18	1 39.25	+11 34.0	2.146	3.141	0.8	19.9
10 28	1 31.57	+10 52.4	2.151	3.135	3.0	20.1
11 7	1 24.58	+10 12.9	2.185	3.128	6.6	20.3
11 17	1 18.94	+ 9 39.7	2.246	3.122	9.9	20.5
11 27	1 15.16	+ 9 16.4	2.330	3.116	12.7	20.7

253583 2003 SV_{337} 10 19.6 80°.30 0°.8/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.26	+13 52.7	1.313	2.188	16.8	20.7
9 28	1 59.52	+13 35.4	1.268	2.205	12.1	20.5
10 8	1 50.31	+13 3.2	1.244	2.223	6.9	20.2
10 18	1 39.74	+12 20.0	1.244	2.240	1.5	19.9
10 28	1 29.31	+11 32.8	1.272	2.257	4.4	20.2
11 7	1 20.40	+10 49.5	1.325	2.274	9.5	20.5
11 17	1 14.00	+10 16.8	1.403	2.290	13.9	20.8
11 27	1 10.65	+ 9 59.2	1.500	2.307	17.6	21.1

95231 2002 CL_{30} 10 19.6 21°.98 10°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.21	−12 34.8	1.399	2.290	14.9	19.1
9 28	1 55.81	−14 5.9	1.365	2.293	12.2	18.9
10 8	1 48.22	−15 21.9	1.352	2.297	10.6	18.8
10 18	1 39.45	−16 12.7	1.363	2.301	10.9	18.9
10 28	1 30.76	−16 31.2	1.398	2.306	12.9	19.0
11 7	1 23.37	−16 15.5	1.454	2.311	15.6	19.2
11 17	1 18.14	−15 28.3	1.529	2.317	18.3	19.4
11 27	1 15.60	−14 14.6	1.621	2.323	20.6	19.6

308831 2006 RK_{21} 10 19.6 8°.93 2°.5/21.2 18

9 18	2 1.69	+15 55.6	1.395	2.268	16.1	19.5
9 28	1 56.43	+16 16.0	1.336	2.270	12.0	19.2
10 8	1 48.74	+16 21.6	1.298	2.273	7.3	19.0
10 18	1 39.56	+16 13.4	1.284	2.276	3.0	18.7
10 28	1 30.23	+15 55.4	1.296	2.281	4.3	18.8
11 7	1 22.11	+15 33.6	1.334	2.287	8.9	19.1
11 17	1 16.25	+15 14.6	1.396	2.294	13.2	19.4
11 27	1 13.31	+15 4.0	1.478	2.302	16.9	19.7

303646 2005 KQ_{1} 10 19.6 28°.46 7°.6/14.9 18

9 18	2 3.38	− 7 49.9	1.456	2.347	14.4	19.5
9 28	1 57.21	− 8 28.1	1.419	2.358	11.0	19.3
10 8	1 48.94	− 8 55.9	1.405	2.368	8.3	19.2
10 18	1 39.57	− 9 6.4	1.415	2.380	7.8	19.2
10 28	1 30.36	− 8 54.7	1.450	2.392	9.8	19.3
11 7	1 22.46	− 8 19.5	1.510	2.405	12.8	19.6
11 17	1 16.72	− 7 22.6	1.592	2.418	15.9	19.8
11 27	1 13.63	− 6 7.3	1.693	2.433	18.5	20.0

219216 1999 VZ_{103} 10 19.6 71°.87 1°.9/17.9 18

9 18	2 0.98	+ 5 38.3	2.056	2.933	11.4	19.8
9 28	1 55.08	+ 5 10.9	2.007	2.949	8.0	19.6
10 8	1 47.65	+ 4 40.0	1.983	2.965	4.4	19.4
10 18	1 39.39	+ 4 9.6	1.988	2.981	1.9	19.3
10 28	1 31.20	+ 3 44.0	2.021	2.997	4.4	19.5
11 7	1 23.92	+ 3 27.2	2.083	3.012	7.9	19.7
11 17	1 18.20	+ 3 21.7	2.170	3.028	11.0	20.0
11 27	1 14.49	+ 3 28.9	2.280	3.044	13.6	20.2

349993 2010 FE_{85} 10 19.6 171°.48 2°.6/17.0 18

9 18	2 1.17	+ 4 21.7	2.167	3.044	11.0	21.7
9 28	1 55.24	+ 3 28.2	2.106	3.047	7.7	21.5
10 8	1 47.77	+ 2 31.2	2.070	3.050	4.4	21.3
10 18	1 39.43	+ 1 35.5	2.063	3.052	2.7	21.2
10 28	1 31.05	+ 0 46.8	2.086	3.054	5.0	21.3
11 7	1 23.49	+ 0 9.6	2.137	3.055	8.3	21.6
11 17	1 17.40	− 0 12.9	2.213	3.056	11.4	21.8
11 27	1 13.28	− 0 19.5	2.312	3.056	14.0	21.9

144846 2004 JW_{46} 10 19.6 54°.08 0°.6/20.1 18

9 18	2 0.45	+13 37.5	1.861	2.727	13.0	20.7
9 28	1 55.00	+13 15.0	1.798	2.732	9.4	20.5
10 8	1 47.73	+12 41.1	1.759	2.737	5.3	20.2
10 18	1 39.43	+11 59.0	1.747	2.742	1.1	20.0
10 28	1 31.07	+11 13.8	1.763	2.748	3.5	20.2
11 7	1 23.64	+10 31.3	1.807	2.753	7.6	20.4
11 17	1 17.92	+ 9 56.7	1.877	2.758	11.3	20.7
11 27	1 14.45	+ 9 34.0	1.969	2.764	14.4	20.9

209275 2003 YB_{5} 10 19.6 1°.93 4°.9/16.1 18

9 18	1 53.90	+ 3 51.1	1.060	1.978	16.2	18.8
9 28	1 51.15	+ 2 32.0	1.014	1.975	11.5	18.5
10 8	1 45.90	+ 1 6.8	0.989	1.974	6.8	18.3
10 18	1 39.18	− 0 13.6	0.986	1.975	5.0	18.2
10 28	1 32.38	− 1 17.4	1.006	1.977	8.5	18.4
11 7	1 26.91	− 1 56.0	1.048	1.982	13.2	18.7
11 17	1 23.76	− 2 5.9	1.110	1.988	17.6	18.9
11 27	1 23.53	− 1 47.3	1.189	1.996	21.2	19.2

145221 2005 JT_{57} 10 19.6 202°.83 1°.3/20.9 18

9 18	2 0.08	+16 29.6	1.899	2.757	13.1	20.5
9 28	1 54.77	+15 58.7	1.828	2.756	9.7	20.2
10 8	1 47.64	+15 13.4	1.781	2.756	5.7	20.0
10 18	1 39.42	+14 16.8	1.761	2.755	1.8	19.8
10 28	1 31.11	+13 14.2	1.770	2.754	3.4	19.9
11 7	1 23.68	+12 12.4	1.806	2.754	7.4	20.1
11 17	1 17.94	+11 17.7	1.869	2.753	11.2	20.4
11 27	1 14.45	+10 35.2	1.954	2.752	14.4	20.6

433276 2013 AX_{100} 10 19.6 35°.27 4°.9/10.6 16

9 18	1 52.52	−14 33.7	4.104	4.965	6.6	20.6
9 28	1 48.60	−15 21.9	4.061	4.967	5.5	20.6
10 8	1 43.95	−16 3.6	4.045	4.968	4.9	20.5
10 18	1 38.89	−16 35.8	4.057	4.970	5.1	20.5
10 28	1 33.82	−16 56.2	4.096	4.972	6.0	20.6
11 7	1 29.13	−17 3.5	4.161	4.973	7.2	20.7
11 17	1 25.16	−16 57.4	4.250	4.975	8.4	20.8
11 27	1 22.18	−16 38.4	4.360	4.977	9.5	20.9

258683 2002 EX_{154} 10 19.6 191°.12 3°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 52.09	− 8 33.1	4.696	5.567	5.6	20.2
9 28	1 48.22	− 9 7.2	4.642	5.566	4.4	20.1
10 8	1 43.72	− 9 37.8	4.615	5.565	3.5	20.1
10 18	1 38.86	−10 2.5	4.617	5.565	3.5	20.1
10 28	1 33.99	−10 19.5	4.648	5.564	4.3	20.1
11 7	1 29.42	−10 27.2	4.707	5.563	5.6	20.2
11 17	1 25.47	−10 25.2	4.792	5.562	6.9	20.3
11 27	1 22.37	−10 13.2	4.900	5.561	8.0	20.4

30386 Philipjeffery 10 19.6 69°.17 0°.3/19.4 18

9 18	2 1.24	+10 46.9	1.874	2.746	12.6	18.9
9 28	1 55.55	+10 24.9	1.810	2.749	9.0	18.7
10 8	1 48.05	+ 9 54.0	1.771	2.752	5.0	18.5
10 18	1 39.49	+ 9 17.9	1.759	2.755	0.7	18.1
10 28	1 30.87	+ 8 41.4	1.776	2.759	3.8	18.4
11 7	1 23.17	+ 8 9.8	1.820	2.762	7.9	18.7
11 17	1 17.18	+ 7 47.4	1.890	2.765	11.6	18.9
11 27	1 13.43	+ 7 37.4	1.983	2.769	14.6	19.1

484948 2009 SD_{277} 10 19.7 80°.74 1°.1/18.6 18

9 18	1 59.59	+ 8 43.4	2.164	3.037	11.1	21.6
9 28	1 54.09	+ 8 10.5	2.109	3.049	7.9	21.4
10 8	1 47.13	+ 7 31.5	2.080	3.062	4.2	21.2
10 18	1 39.36	+ 6 50.2	2.079	3.075	1.1	21.0
10 28	1 31.61	+ 6 11.2	2.108	3.087	3.7	21.2
11 7	1 24.69	+ 5 39.0	2.165	3.100	7.3	21.5
11 17	1 19.24	+ 5 17.0	2.248	3.112	10.4	21.7
11 27	1 15.69	+ 5 7.4	2.354	3.125	13.0	21.9

429416 2010 TU_{181} 10 19.7 0°.13 0°.1/19.7 18

9 18	1 57.00	+13 2.9	0.925	1.833	19.0	19.9
9 28	1 53.80	+12 28.9	0.874	1.829	13.8	19.6
10 8	1 47.57	+11 35.0	0.842	1.827	7.7	19.3
10 18	1 39.45	+10 27.8	0.830	1.826	1.1	18.9
10 28	1 31.17	+ 9 18.2	0.841	1.827	5.5	19.2
11 7	1 24.45	+ 8 18.3	0.873	1.830	11.8	19.5
11 17	1 20.53	+ 7 37.3	0.925	1.834	17.2	19.9
11 27	1 20.12	+ 7 20.4	0.995	1.839	21.7	20.2

288032 2003 UE_{241} 10 19.7 151°.74 2°.5/22.0 18

9 18	2 0.60	+20 3.4	1.871	2.716	13.9	20.5
9 28	1 55.19	+19 34.3	1.801	2.718	10.4	20.3
10 8	1 47.89	+18 47.5	1.753	2.720	6.6	20.1
10 18	1 39.48	+17 45.6	1.732	2.722	3.1	19.9
10 28	1 30.99	+16 33.9	1.739	2.723	3.6	19.9
11 7	1 23.43	+15 19.7	1.775	2.725	7.4	20.2
11 17	1 17.64	+14 10.5	1.837	2.726	11.1	20.4
11 27	1 14.17	+13 12.5	1.922	2.727	14.3	20.6

414985 2011 EM_{6} 10 19.7 255°.60 0°.3/19.2 17

9 18	1 56.84	+12 21.7	2.622	3.484	9.8	21.5
9 28	1 52.11	+11 24.9	2.535	3.469	7.0	21.3
10 8	1 46.06	+10 18.4	2.474	3.453	3.9	21.1
10 18	1 39.23	+ 9 5.9	2.442	3.438	0.5	20.8
10 28	1 32.26	+ 7 52.2	2.440	3.422	3.1	21.0
11 7	1 25.84	+ 6 42.9	2.469	3.406	6.4	21.2
11 17	1 20.58	+ 5 42.4	2.525	3.389	9.4	21.4
11 27	1 16.93	+ 4 54.5	2.606	3.373	12.0	21.5

383511 2007 CC_{23} 10 19.7 188°.67 1°.8/21.3 18

9 18	2 3.58	+17 38.3	1.987	2.833	13.1	21.9
9 28	1 57.24	+17 16.7	1.912	2.832	9.8	21.7
10 8	1 49.02	+16 40.4	1.861	2.831	6.0	21.5
10 18	1 39.65	+15 51.7	1.837	2.829	2.3	21.2
10 28	1 30.16	+14 55.2	1.843	2.827	3.4	21.3
11 7	1 21.57	+13 57.1	1.877	2.824	7.3	21.6
11 17	1 14.70	+13 3.9	1.939	2.820	11.0	21.8
11 27	1 10.15	+12 20.9	2.023	2.816	14.1	22.0

345518 2006 KT_{56} 10 19.7 292°.28 0°.1/19.8 18

9 18	1 59.01	+14 16.7	1.654	2.527	14.0	20.8
9 28	1 54.31	+13 21.8	1.575	2.513	10.2	20.5
10 8	1 47.54	+12 10.6	1.520	2.500	5.7	20.3
10 18	1 39.45	+10 47.9	1.491	2.487	0.9	19.9
10 28	1 31.14	+ 9 21.4	1.490	2.474	4.1	20.1
11 7	1 23.74	+ 8 0.1	1.516	2.461	8.8	20.4
11 17	1 18.18	+ 6 51.6	1.567	2.448	13.1	20.6
11 27	1 15.11	+ 6 1.7	1.639	2.436	16.7	20.8

46321 2001 QO_{84} 10 19.7 44°.43 0°.3/19.9 18

9 18	1 59.77	+13 22.9	1.832	2.701	13.0	18.3
9 28	1 54.54	+12 52.1	1.770	2.706	9.4	18.1
10 8	1 47.51	+12 9.8	1.731	2.711	5.3	17.9
10 18	1 39.43	+11 19.5	1.720	2.715	0.9	17.6
10 28	1 31.31	+10 26.8	1.736	2.721	3.6	17.8
11 7	1 24.12	+ 9 38.0	1.780	2.726	7.7	18.1
11 17	1 18.64	+ 8 58.4	1.850	2.731	11.5	18.3
11 27	1 15.40	+ 8 32.0	1.942	2.737	14.6	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
470284 2007 ED_{82}			10 19.7 306.°63		5.°3/21.3 18	
	h m	° ′			°	m
9 18	2 14.48	+17 2.9	1.366	2.218	17.6	20.3
9 28	2 6.67	+18 41.7	1.270	2.189	13.8	20.0
10 8	1 55.13	+20 13.4	1.197	2.161	9.3	19.7
10 18	1 40.64	+21 32.1	1.149	2.133	5.6	19.4
10 28	1 24.81	+22 33.5	1.128	2.105	6.7	19.4
11 7	1 9.71	+23 17.4	1.135	2.078	11.4	19.6
11 17	0 57.26	+23 48.4	1.165	2.051	16.4	19.8
11 27	0 48.82	+24 14.6	1.216	2.025	20.8	20.0
14989 Tutte			10 19.7 14.°43		6.°9/17.4 18	
9 18	2 8.09	− 6 31.8	1.105	2.003	17.4	15.5
9 28	2 1.06	− 6 5.7	1.067	2.012	13.0	15.3
10 8	1 51.25	− 5 26.6	1.049	2.023	8.8	15.1
10 18	1 39.96	− 4 30.1	1.055	2.036	6.9	15.1
10 28	1 28.90	− 3 14.6	1.086	2.050	9.2	15.3
11 7	1 19.63	− 1 42.0	1.141	2.067	13.2	15.5
11 17	1 13.21	+ 0 3.8	1.218	2.085	17.2	15.8
11 27	1 10.14	+ 1 58.6	1.313	2.104	20.5	16.1
277290 2005 SN_{104}			10 19.7 348.°81		1.°4/18.7 18	
9 18	1 56.40	+10 1.1	1.042	1.950	17.4	19.5
9 28	1 53.20	+ 9 21.5	0.983	1.939	12.4	19.1
10 8	1 47.21	+ 8 27.1	0.943	1.930	6.8	18.8
10 18	1 39.43	+ 7 24.9	0.926	1.922	1.5	18.4
10 28	1 31.39	+ 6 25.0	0.932	1.915	6.0	18.7
11 7	1 24.67	+ 5 37.7	0.960	1.911	11.8	19.0
11 17	1 20.51	+ 5 10.6	1.008	1.908	17.0	19.3
11 27	1 19.62	+ 5 7.3	1.074	1.906	21.3	19.6
505339 2013 AX_{88}			10 19.7 194.°91		12.°2/26.6 17	
9 18	2 14.74	+34 30.4	1.329	2.112	21.7	21.4
9 28	2 6.94	+36 14.1	1.260	2.111	18.7	21.2
10 8	1 55.20	+37 27.9	1.209	2.110	15.5	21.0
10 18	1 40.63	+38 2.3	1.179	2.109	13.0	20.8
10 28	1 25.27	+37 53.3	1.171	2.107	12.2	20.8
11 7	1 11.44	+37 6.2	1.187	2.105	13.6	20.9
11 17	1 1.01	+35 53.5	1.225	2.102	16.4	21.0
11 27	0 55.05	+34 31.3	1.283	2.099	19.4	21.2
246121 2007 JD_{11}			10 19.7 38.°76		0.°2/19.8 18	
9 18	2 2.25	+12 31.4	1.257	2.143	16.6	19.4
9 28	1 56.74	+12 10.6	1.216	2.160	11.9	19.2
10 8	1 48.83	+11 36.3	1.195	2.177	6.6	19.0
10 18	1 39.63	+10 53.2	1.199	2.195	1.0	18.7
10 28	1 30.56	+10 8.6	1.229	2.214	4.5	19.0
11 7	1 22.94	+ 9 30.2	1.283	2.233	9.6	19.3
11 17	1 17.73	+ 9 3.9	1.361	2.253	14.0	19.6
11 27	1 15.42	+ 8 53.5	1.459	2.273	17.6	19.9
163309 2002 JC_{59}			10 19.7 235.°68		5.°4/15.8 18	
9 18	2 5.50	− 4 13.2	1.840	2.720	12.5	19.6
9 28	1 58.62	− 4 42.9	1.778	2.715	9.3	19.4
10 8	1 49.78	− 5 7.9	1.740	2.709	6.4	19.3
10 18	1 39.79	− 5 22.7	1.729	2.703	5.5	19.2
10 28	1 29.71	− 5 22.3	1.746	2.697	7.6	19.3
11 7	1 20.60	− 5 4.2	1.790	2.691	10.8	19.5
11 17	1 13.32	− 4 28.0	1.858	2.684	14.0	19.7
11 27	1 8.45	− 3 35.0	1.947	2.677	16.7	19.9
284727 2008 UG_{119}			10 19.7 143.°51		1.°0/20.5 18	
9 18	2 4.04	+14 26.6	2.002	2.857	12.7	21.1
9 28	1 57.46	+14 13.6	1.938	2.866	9.2	20.9
10 8	1 49.09	+13 49.5	1.899	2.874	5.3	20.7
10 18	1 39.69	+13 16.7	1.887	2.882	1.4	20.5
10 28	1 30.25	+12 39.4	1.905	2.889	3.3	20.6
11 7	1 21.75	+12 2.9	1.951	2.896	7.2	20.9
11 17	1 14.96	+11 31.9	2.025	2.902	10.8	21.1
11 27	1 10.43	+11 10.7	2.121	2.908	13.8	21.3
151255 2002 AK_{55}			10 19.7 290.°54		1.°2/18.6 18	
9 18	1 59.31	+ 8 45.0	1.982	2.859	11.8	20.6
9 28	1 54.21	+ 8 8.8	1.906	2.848	8.4	20.4
10 8	1 47.37	+ 7 24.9	1.856	2.838	4.6	20.1
10 18	1 39.46	+ 6 37.5	1.832	2.827	1.2	19.8
10 28	1 31.38	+ 5 51.8	1.837	2.817	4.2	20.0
11 7	1 24.06	+ 5 13.5	1.870	2.806	8.1	20.3
11 17	1 18.29	+ 4 46.7	1.928	2.796	11.7	20.5
11 27	1 14.62	+ 4 34.5	2.009	2.786	14.8	20.7
461312 2015 XH_{174}			10 19.7 97.°85		5.°3/14.4 18	
9 18	1 59.94	− 6 5.1	2.283	3.163	10.4	21.1
9 28	1 54.29	− 6 51.2	2.234	3.168	7.8	20.9
10 8	1 47.24	− 7 32.2	2.210	3.172	5.8	20.8
10 18	1 39.42	− 8 2.9	2.214	3.177	5.5	20.8
10 28	1 31.62	− 8 19.1	2.245	3.182	7.1	20.9
11 7	1 24.60	− 8 18.6	2.304	3.186	9.6	21.1
11 17	1 18.97	− 8 0.6	2.387	3.191	12.0	21.2
11 27	1 15.17	− 7 26.3	2.491	3.195	14.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
430030 2013 RP_{53}			10 19.7 138.°10		3.°5/22.2 16	
	h m	° ′			°	m
9 18	2 6.27	+20 12.1	1.558	2.404	16.1	21.7
9 28	1 59.58	+20 17.2	1.494	2.410	12.3	21.5
10 8	1 50.47	+20 3.2	1.452	2.416	8.0	21.3
10 18	1 39.91	+19 31.0	1.435	2.422	4.1	21.1
10 28	1 29.23	+18 45.0	1.445	2.427	4.6	21.1
11 7	1 19.78	+17 52.6	1.483	2.432	8.6	21.4
11 17	1 12.59	+17 1.8	1.545	2.437	12.6	21.6
11 27	1 8.33	+16 19.9	1.630	2.441	16.2	21.9
243501 2009 UR_{139}			10 19.7 306.°57		2.°9/14.4 18	
9 18	1 52.02	− 4 18.9	4.294	5.170	6.0	19.8
9 28	1 48.25	− 4 55.9	4.234	5.168	4.4	19.7
10 8	1 43.79	− 5 30.8	4.201	5.167	3.2	19.6
10 18	1 38.94	− 6 1.3	4.199	5.165	3.0	19.6
10 28	1 34.06	− 6 24.9	4.225	5.163	4.0	19.7
11 7	1 29.51	− 6 40.0	4.281	5.161	5.5	19.8
11 17	1 25.62	− 6 45.5	4.363	5.160	7.1	19.9
11 27	1 22.64	− 6 41.0	4.467	5.158	8.4	20.0
61082 2000 LB_{20}			10 19.7 56.°41		0.°6/20.2 18	
9 18	2 0.79	+15 19.9	1.411	2.286	15.8	18.4
9 28	1 55.58	+14 27.2	1.361	2.299	11.4	18.2
10 8	1 48.18	+13 17.5	1.334	2.313	6.5	17.9
10 18	1 39.57	+11 56.5	1.331	2.327	1.3	17.6
10 28	1 31.04	+10 33.1	1.356	2.341	4.2	17.9
11 7	1 23.80	+ 9 16.7	1.407	2.355	9.0	18.2
11 17	1 18.72	+ 8 14.8	1.482	2.370	13.3	18.5
11 27	1 16.32	+ 7 32.2	1.578	2.384	16.8	18.8
408557 2013 KQ_{11}			10 19.7 171.°10		0.°2/19.9 18	
9 18	1 58.58	+13 23.8	2.542	3.398	10.3	22.1
9 28	1 53.32	+12 47.4	2.470	3.401	7.4	22.0
10 8	1 46.73	+12 1.9	2.425	3.403	4.1	21.8
10 18	1 39.37	+11 10.4	2.408	3.404	0.7	21.5
10 28	1 31.97	+10 17.1	2.422	3.405	2.8	21.7
11 7	1 25.22	+ 9 26.5	2.465	3.407	6.1	21.9
11 17	1 19.72	+ 8 42.9	2.536	3.407	9.1	22.1
11 27	1 15.91	+ 8 9.6	2.631	3.408	11.7	22.3
352894 2008 YA_{53}			10 19.7 107.°24		8.°6/11.9 18	
9 18	2 1.67	−12 15.7	1.830	2.709	12.6	20.6
9 28	1 55.79	−13 33.3	1.792	2.714	10.2	20.5
10 8	1 48.16	−14 39.1	1.777	2.719	8.7	20.4
10 18	1 39.58	−15 25.4	1.788	2.724	8.9	20.4
10 28	1 31.07	−15 46.8	1.825	2.729	10.6	20.6
11 7	1 23.57	−15 41.1	1.886	2.733	13.0	20.7
11 17	1 17.85	−15 9.6	1.968	2.738	15.3	20.9
11 27	1 14.36	−14 15.5	2.067	2.743	17.4	21.1
450294 2004 LW_{24}			10 19.7 25.°11		12.°7/ 3.3 17	
9 18	2 1.25	+44 36.7	1.545	2.267	21.5	19.5
9 28	1 56.55	+45 24.8	1.492	2.284	19.2	19.3
10 8	1 48.98	+45 35.0	1.455	2.301	16.7	19.2
10 18	1 39.72	+45 3.1	1.435	2.320	14.4	19.1
10 28	1 30.41	+43 49.7	1.436	2.339	13.0	19.1
11 7	1 22.69	+42 2.8	1.459	2.360	12.8	19.1
11 17	1 17.70	+39 54.5	1.505	2.382	13.9	19.3
11 27	1 16.03	+37 39.2	1.573	2.404	15.7	19.4
82844 2001 QQ_{50}			10 19.7 54.°78		1.°2/18.9 18	
9 18	2 3.44	+ 9 26.4	1.328	2.216	15.8	19.0
9 28	1 57.55	+ 8 54.5	1.282	2.228	11.2	18.8
10 8	1 49.30	+ 8 12.6	1.258	2.241	6.1	18.5
10 18	1 39.75	+ 7 26.4	1.258	2.254	1.3	18.2
10 28	1 30.29	+ 6 43.2	1.286	2.268	5.1	18.5
11 7	1 22.21	+ 6 10.0	1.338	2.281	10.0	18.9
11 17	1 16.46	+ 5 51.7	1.414	2.295	14.3	19.2
11 27	1 13.59	+ 5 50.7	1.510	2.309	17.8	19.4
383619 2007 MP_{27}			10 19.7 82.°32		8.°3/26.9 18	
9 18	2 6.03	+32 52.6	1.749	2.529	17.3	20.2
9 28	1 59.50	+33 35.0	1.684	2.539	14.5	20.1
10 8	1 50.49	+33 51.2	1.639	2.549	11.6	19.9
10 18	1 39.95	+33 38.3	1.616	2.558	9.2	19.8
10 28	1 29.23	+32 57.5	1.620	2.568	8.3	19.8
11 7	1 19.72	+31 55.2	1.648	2.578	9.6	19.9
11 17	1 12.51	+30 40.6	1.702	2.587	12.1	20.0
11 27	1 8.26	+29 23.9	1.779	2.597	14.7	20.2
30400 2000 KL_{42}			10 19.7 7.°99		9.°9/11.1 18	
9 18	1 57.22	− 7 13.6	1.215	2.124	15.3	17.5
9 28	1 53.28	− 9 28.2	1.179	2.125	12.0	17.3
10 8	1 47.01	−11 33.7	1.166	2.126	10.0	17.2
10 18	1 39.43	−13 16.4	1.175	2.128	10.5	17.3
10 28	1 31.87	−14 25.0	1.208	2.132	13.1	17.4
11 7	1 25.59	−14 54.6	1.262	2.136	16.4	17.6
11 17	1 21.53	−14 46.2	1.334	2.140	19.5	17.9
11 27	1 20.22	−14 4.3	1.421	2.146	22.1	18.1

184348 2005 HW_7 10 19.7 149°.16 4°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.78	+ 1 34.0	1.651	2.535	13.4	21.0
9 28	1 58.17	+ 0 37.7	1.599	2.543	9.6	20.8
10 8	1 49.55	− 0 19.9	1.571	2.549	5.8	20.6
10 18	1 39.81	− 1 12.0	1.570	2.556	4.3	20.5
10 28	1 30.09	− 1 51.8	1.598	2.561	6.9	20.7
11 7	1 21.51	− 2 14.3	1.651	2.566	10.6	20.9
11 17	1 14.91	− 2 17.4	1.729	2.571	14.1	21.1
11 27	1 10.84	− 2 0.9	1.827	2.575	17.1	21.4

379560 2011 AL_{66} 10 19.7 225°.91 3°.1/22.0 18

9 18	2 4.35	+19 43.9	1.633	2.481	15.4	21.2
9 28	1 58.26	+19 40.5	1.558	2.476	11.7	20.9
10 8	1 49.81	+19 18.8	1.505	2.471	7.6	20.7
10 18	1 39.88	+18 39.7	1.477	2.466	3.7	20.5
10 28	1 29.69	+17 47.7	1.477	2.460	4.3	20.5
11 7	1 20.56	+16 50.0	1.504	2.455	8.4	20.7
11 17	1 13.52	+15 54.7	1.557	2.448	12.6	21.0
11 27	1 9.27	+15 8.9	1.631	2.442	16.2	21.2

359365 2009 VN_{11} 10 19.7 336°.83 0°.6/18.6 18

9 18	1 52.36	+ 8 7.7	4.140	5.006	6.4	21.3
9 28	1 48.54	+ 7 43.9	4.067	5.004	4.5	21.1
10 8	1 43.99	+ 7 17.2	4.021	5.002	2.4	21.0
10 18	1 39.01	+ 6 49.2	4.005	5.000	0.7	20.8
10 28	1 33.98	+ 6 22.2	4.019	4.998	2.2	21.0
11 7	1 29.30	+ 5 58.5	4.064	4.996	4.3	21.1
11 17	1 25.29	+ 5 39.9	4.136	4.994	6.2	21.3
11 27	1 22.26	+ 5 27.9	4.235	4.992	7.9	21.4

257047 2008 FN_{77} 10 19.7 65°.16 0°.0/19.7 18

9 18	2 0.27	+12 13.6	1.933	2.802	12.5	20.8
9 28	1 54.76	+11 44.5	1.879	2.815	8.9	20.6
10 8	1 47.60	+11 5.7	1.850	2.829	4.9	20.4
10 18	1 39.53	+10 20.9	1.848	2.844	0.7	20.1
10 28	1 31.49	+ 9 35.4	1.874	2.858	3.5	20.4
11 7	1 24.39	+ 8 54.4	1.929	2.872	7.4	20.7
11 17	1 18.93	+ 8 22.6	2.010	2.886	10.9	20.9
11 27	1 15.59	+ 8 3.1	2.113	2.901	13.8	21.1

167823 2005 CK_{16} 10 19.7 256°.05 1°.0/18.8 18

9 18	2 1.16	+ 9 47.6	1.898	2.771	12.4	20.9
9 28	1 55.64	+ 9 9.0	1.819	2.759	8.9	20.7
10 8	1 48.24	+ 8 21.2	1.765	2.747	4.9	20.4
10 18	1 39.65	+ 7 28.2	1.739	2.734	1.0	20.1
10 28	1 30.86	+ 6 36.0	1.741	2.721	4.2	20.4
11 7	1 22.87	+ 5 50.5	1.771	2.708	8.4	20.6
11 17	1 16.54	+ 5 16.9	1.826	2.695	12.2	20.8
11 27	1 12.47	+ 4 58.6	1.904	2.681	15.4	21.0

132936 2002 TC_{16} 10 19.7 16°.56 2°.4/17.7 18

9 18	1 59.47	+ 6 40.5	1.582	2.472	13.6	19.8
9 28	1 54.53	+ 5 48.2	1.526	2.475	9.6	19.6
10 8	1 47.62	+ 4 49.0	1.494	2.477	5.3	19.4
10 18	1 39.56	+ 3 49.2	1.487	2.480	2.4	19.2
10 28	1 31.45	+ 2 56.0	1.508	2.484	5.5	19.4
11 7	1 24.39	+ 2 16.0	1.554	2.487	9.7	19.7
11 17	1 19.20	+ 1 53.3	1.625	2.491	13.6	19.9
11 27	1 16.45	+ 1 49.6	1.715	2.496	16.8	20.2

367691 2010 RS_{82} 10 19.7 351°.79 9°.9/13.9 18

9 18	1 58.91	− 6 2.1	0.912	1.832	18.0	19.5
9 28	1 55.16	− 7 18.0	0.868	1.823	13.9	19.3
10 8	1 48.35	− 8 24.7	0.843	1.816	10.6	19.1
10 18	1 39.68	− 9 8.9	0.839	1.811	10.2	19.1
10 28	1 30.88	− 9 19.5	0.855	1.807	13.1	19.2
11 7	1 23.68	− 8 52.3	0.890	1.804	17.3	19.4
11 17	1 19.31	− 7 49.6	0.943	1.804	21.5	19.7
11 27	1 18.43	− 6 17.2	1.010	1.805	25.0	20.0

468732 2010 RT_{62} 10 19.7 91°.40 2°.7/21.7 17

9 18	2 5.60	+19 13.4	1.340	2.200	17.4	21.4
9 28	1 59.19	+18 50.5	1.290	2.216	13.0	21.1
10 8	1 50.26	+18 6.2	1.260	2.231	8.1	20.9
10 18	1 39.94	+17 3.9	1.255	2.247	3.4	20.7
10 28	1 29.71	+15 50.9	1.277	2.262	4.4	20.8
11 7	1 20.97	+14 37.3	1.325	2.277	9.1	21.1
11 17	1 14.73	+13 32.2	1.397	2.291	13.5	21.4
11 27	1 11.54	+12 42.4	1.490	2.306	17.2	21.7

139291 2001 KL_3 10 19.7 17°.40 2°.7/18.3 18

9 18	2 4.56	+ 5 5.4	1.170	2.068	16.7	18.0
9 28	1 58.70	+ 4 54.5	1.120	2.072	11.9	17.7
10 8	1 50.12	+ 4 39.1	1.092	2.076	6.6	17.5
10 18	1 39.94	+ 4 24.6	1.087	2.081	2.7	17.3
10 28	1 29.72	+ 4 17.3	1.107	2.086	6.3	17.5
11 7	1 20.98	+ 4 22.3	1.151	2.093	11.4	17.8
11 17	1 14.85	+ 4 42.5	1.217	2.100	16.0	18.1
11 27	1 11.95	+ 5 18.8	1.302	2.108	19.8	18.4

5259 Epeigeus 10 19.7 104°.24 2°.6/15.0 18

9 18	1 53.19	− 3 45.9	4.435	5.309	5.9	17.6
9 28	1 49.05	− 4 11.4	4.380	5.314	4.3	17.5
10 8	1 44.24	− 4 34.8	4.353	5.320	3.0	17.4
10 18	1 39.07	− 4 54.1	4.355	5.325	2.7	17.4
10 28	1 33.88	− 5 7.3	4.387	5.330	3.7	17.5
11 7	1 29.04	− 5 12.9	4.448	5.335	5.2	17.6
11 17	1 24.85	− 5 10.1	4.536	5.340	6.7	17.7
11 27	1 21.58	− 4 58.4	4.648	5.345	8.0	17.8

317344 2002 JN_{147} 10 19.7 230°.38 0°.8/18.9 17

9 18	2 1.23	+ 8 21.8	2.755	3.616	9.4	22.0
9 28	1 55.21	+ 8 5.4	2.669	3.604	6.7	21.8
10 8	1 47.83	+ 7 44.1	2.611	3.590	3.7	21.6
10 18	1 39.61	+ 7 20.3	2.581	3.577	0.8	21.4
10 28	1 31.24	+ 6 57.3	2.583	3.562	3.1	21.5
11 7	1 23.41	+ 6 38.3	2.615	3.548	6.3	21.7
11 17	1 16.74	+ 6 26.1	2.674	3.532	9.2	21.9
11 27	1 11.71	+ 6 22.9	2.758	3.517	11.6	22.0

275222 2009 WU_{206} 10 19.7 238°.23 1°.7/21.6 17

9 18	1 58.62	+17 51.7	2.524	3.366	10.8	21.7
9 28	1 53.47	+17 35.0	2.443	3.360	8.1	21.5
10 8	1 46.90	+17 6.9	2.387	3.355	5.0	21.3
10 18	1 39.48	+16 28.8	2.359	3.350	2.1	21.1
10 28	1 31.93	+15 44.3	2.360	3.344	2.8	21.2
11 7	1 25.01	+14 57.8	2.391	3.339	5.9	21.4
11 17	1 19.36	+14 13.9	2.450	3.333	8.9	21.6
11 27	1 15.46	+13 37.0	2.533	3.327	11.6	21.7

114703 North Dakota 10 19.7 120°.36 0°.9/18.8 18

9 18	2 0.48	+ 9 6.4	2.152	3.023	11.3	19.9
9 28	1 54.83	+ 8 35.9	2.091	3.030	8.0	19.7
10 8	1 47.64	+ 7 58.9	2.055	3.036	4.3	19.5
10 18	1 39.58	+ 7 18.8	2.047	3.042	1.0	19.2
10 28	1 31.49	+ 6 40.4	2.068	3.048	3.7	19.4
11 7	1 24.20	+ 6 8.2	2.118	3.054	7.3	19.7
11 17	1 18.40	+ 5 45.9	2.194	3.060	10.6	19.9
11 27	1 14.56	+ 5 35.8	2.294	3.066	13.3	20.1

395932 2013 AK_{105} 10 19.7 282°.78 0°.1/19.8 18

9 18	2 0.45	+12 52.9	1.818	2.687	13.1	21.2
9 28	1 55.16	+12 20.8	1.747	2.683	9.4	21.0
10 8	1 47.97	+11 37.0	1.700	2.679	5.3	20.7
10 18	1 39.64	+10 45.1	1.679	2.675	0.8	20.4
10 28	1 31.17	+ 9 50.8	1.687	2.671	3.7	20.6
11 7	1 23.58	+ 9 0.6	1.722	2.667	8.0	20.9
11 17	1 17.72	+ 8 20.0	1.783	2.663	11.9	21.1
11 27	1 14.17	+ 7 53.4	1.866	2.659	15.2	21.3

266858 2009 UK_{99} 10 19.7 26°.54 1°.2/18.6 18

9 18	1 58.86	+ 8 17.0	2.079	2.955	11.4	20.3
9 28	1 53.75	+ 7 45.6	2.017	2.958	8.0	20.1
10 8	1 47.08	+ 7 8.1	1.980	2.962	4.4	19.9
10 18	1 39.51	+ 6 28.2	1.970	2.965	1.2	19.7
10 28	1 31.89	+ 5 50.9	1.989	2.969	3.9	19.9
11 7	1 25.06	+ 5 20.7	2.036	2.972	7.6	20.2
11 17	1 19.71	+ 5 1.1	2.109	2.976	10.9	20.4
11 27	1 16.32	+ 4 54.5	2.205	2.981	13.7	20.6

437987 2003 SU_{307} 10 19.7 30°.57 2°.3/21.3 18

9 18	2 0.76	+17 17.3	1.233	2.110	17.5	20.5
9 28	1 55.84	+17 4.1	1.189	2.125	12.9	20.3
10 8	1 48.45	+16 31.4	1.166	2.141	7.8	20.0
10 18	1 39.70	+15 42.9	1.165	2.158	3.0	19.8
10 28	1 31.04	+14 45.9	1.191	2.177	4.4	20.0
11 7	1 23.82	+13 49.6	1.241	2.196	9.2	20.3
11 17	1 19.02	+13 2.0	1.314	2.215	13.7	20.6
11 27	1 17.18	+12 29.2	1.407	2.236	17.4	20.9

66996 1999 XJ_{113} 10 19.7 43°.53 10°.5/29.9 18

9 18	2 3.76	+38 13.4	1.522	2.285	20.2	17.7
9 28	1 58.19	+38 50.9	1.465	2.300	17.4	17.6
10 8	1 49.88	+38 54.2	1.426	2.315	14.4	17.4
10 18	1 39.92	+38 19.8	1.407	2.330	11.9	17.3
10 28	1 29.91	+37 9.7	1.411	2.346	10.6	17.3
11 7	1 21.40	+35 32.3	1.439	2.363	11.2	17.3
11 17	1 15.51	+33 39.7	1.490	2.379	13.2	17.5
11 27	1 12.86	+31 45.4	1.564	2.396	15.7	17.7

79298 1995 VO_{13} 10 19.7 189°.75 2°.0/18.1 18

9 18	2 3.31	+ 7 41.1	1.728	2.606	13.2	20.3
9 28	1 57.21	+ 6 51.0	1.663	2.605	9.4	20.1
10 8	1 49.10	+ 5 52.9	1.622	2.604	5.1	19.9
10 18	1 39.81	+ 4 52.5	1.609	2.603	2.0	19.6
10 28	1 30.43	+ 3 56.6	1.624	2.601	5.1	19.9
11 7	1 22.04	+ 3 11.6	1.666	2.598	9.3	20.1
11 17	1 15.53	+ 2 42.2	1.734	2.595	13.1	20.3
11 27	1 11.46	+ 2 30.7	1.822	2.592	16.3	20.6

395186 2010 FW_{85} 10 19.7 214°.19 0°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.37	+12 51.3	1.933	2.800	12.5	21.6
9 28	1 55.00	+11 56.1	1.860	2.796	9.0	21.4
10 8	1 47.85	+10 48.5	1.811	2.791	5.0	21.1
10 18	1 39.64	+ 9 33.1	1.790	2.786	0.7	20.8
10 28	1 31.31	+ 8 16.5	1.799	2.781	3.8	21.0
11 7	1 23.83	+ 7 5.8	1.835	2.776	7.9	21.3
11 17	1 17.97	+ 6 7.2	1.898	2.770	11.7	21.5
11 27	1 14.31	+ 5 24.7	1.983	2.764	14.8	21.7

210260 2007 RE_{291} 10 19.7 358°.77 0°.4/20.1 18

9 18	1 58.99	+14 4.0	1.534	2.411	14.7	19.8
9 28	1 54.36	+13 27.2	1.470	2.409	10.6	19.5
10 8	1 47.62	+12 35.5	1.428	2.408	6.0	19.3
10 18	1 39.61	+11 33.4	1.412	2.408	1.1	18.9
10 28	1 31.48	+10 27.9	1.423	2.408	4.0	19.1
11 7	1 24.40	+ 9 27.1	1.460	2.408	8.8	19.4
11 17	1 19.27	+ 8 38.0	1.521	2.409	13.0	19.7
11 27	1 16.71	+ 8 5.3	1.603	2.411	16.6	19.9

149954 2005 TV_{48} 10 19.7 69°.24 1°.5/18.3 18

9 18	1 59.62	+ 7 52.3	1.990	2.868	11.8	20.5
9 28	1 54.33	+ 7 11.7	1.929	2.871	8.3	20.3
10 8	1 47.42	+ 6 24.7	1.893	2.875	4.5	20.1
10 18	1 39.57	+ 5 35.8	1.885	2.879	1.5	19.9
10 28	1 31.69	+ 4 50.4	1.905	2.883	4.3	20.1
11 7	1 24.65	+ 4 13.7	1.954	2.887	8.0	20.3
11 17	1 19.16	+ 3 49.3	2.028	2.892	11.4	20.5
11 27	1 15.73	+ 3 39.7	2.124	2.896	14.2	20.8

277325 2005 SV_{243} 10 19.7 82°.67 2°.0/21.4 16

9 18	2 2.51	+18 33.1	1.491	2.351	15.9	20.6
9 28	1 56.82	+17 53.9	1.437	2.364	11.8	20.4
10 8	1 48.92	+16 55.0	1.404	2.377	7.2	20.1
10 18	1 39.79	+15 40.7	1.397	2.390	2.7	19.9
10 28	1 30.71	+14 18.6	1.417	2.402	3.9	20.0
11 7	1 22.90	+12 58.0	1.464	2.415	8.5	20.3
11 17	1 17.25	+11 47.5	1.536	2.427	12.7	20.6
11 27	1 14.32	+10 53.3	1.629	2.440	16.2	20.9

100976 1998 QK_{25} 10 19.7 21°.77 5°.9/23.4 18

9 18	2 3.43	+22 43.4	1.277	2.131	18.5	17.8
9 28	1 57.98	+23 29.1	1.226	2.141	14.5	17.6
10 8	1 49.79	+23 52.0	1.194	2.152	10.2	17.4
10 18	1 39.94	+23 50.6	1.184	2.164	6.6	17.2
10 28	1 29.98	+23 27.9	1.199	2.177	6.4	17.3
11 7	1 21.46	+22 51.3	1.239	2.191	9.6	17.5
11 17	1 15.52	+22 9.9	1.302	2.206	13.6	17.8
11 27	1 12.83	+21 32.7	1.385	2.222	17.1	18.0

296600 2009 RC_{56} 10 19.7 1°.39 1°.6/18.3 18

9 18	1 58.63	+ 7 36.8	1.854	2.737	12.2	20.6
9 28	1 53.76	+ 7 4.4	1.791	2.736	8.7	20.3
10 8	1 47.16	+ 6 25.6	1.753	2.736	4.7	20.1
10 18	1 39.54	+ 5 44.9	1.741	2.736	1.6	19.9
10 28	1 31.84	+ 5 7.7	1.757	2.736	4.4	20.1
11 7	1 25.00	+ 4 39.1	1.801	2.737	8.4	20.3
11 17	1 19.78	+ 4 22.7	1.869	2.739	11.9	20.6
11 27	1 16.71	+ 4 21.0	1.959	2.741	14.9	20.8

320463 2007 VN_{265} 10 19.7 73°.08 3°.5/22.4 17

9 18	2 4.24	+21 30.7	1.273	2.131	18.3	20.8
9 28	1 58.33	+21 3.4	1.224	2.147	13.9	20.6
10 8	1 49.84	+20 11.2	1.196	2.163	8.9	20.4
10 18	1 39.93	+18 57.2	1.191	2.180	4.4	20.2
10 28	1 30.13	+17 29.9	1.212	2.196	4.7	20.2
11 7	1 21.88	+16 0.6	1.259	2.213	9.2	20.5
11 17	1 16.18	+14 39.9	1.329	2.229	13.7	20.8
11 27	1 13.59	+13 35.8	1.421	2.245	17.5	21.1

435112 2007 DH_{70} 10 19.7 298°.76 1°.3/21.3 15

9 18	1 57.07	+16 22.8	2.925	3.769	9.4	21.9
9 28	1 52.29	+16 15.6	2.829	3.749	7.0	21.7
10 8	1 46.26	+15 59.3	2.758	3.728	4.3	21.5
10 18	1 39.42	+15 35.5	2.716	3.708	1.7	21.3
10 28	1 32.40	+15 6.5	2.704	3.688	2.5	21.4
11 7	1 25.83	+14 35.6	2.721	3.668	5.3	21.5
11 17	1 20.29	+14 6.5	2.767	3.648	8.1	21.7
11 27	1 16.26	+13 42.5	2.837	3.627	10.6	21.8

104612 2000 GE_{103} 10 19.7 214°.47 1°.4/17.9 18

9 18	1 57.31	+ 7 30.7	2.646	3.518	9.4	20.1
9 28	1 52.41	+ 6 43.5	2.574	3.514	6.6	19.9
10 8	1 46.28	+ 5 51.2	2.528	3.509	3.6	19.7
10 18	1 39.42	+ 4 57.3	2.511	3.505	1.4	19.5
10 28	1 32.48	+ 4 6.2	2.524	3.500	3.6	19.7
11 7	1 26.13	+ 3 22.3	2.567	3.495	6.7	19.9
11 17	1 20.91	+ 2 48.8	2.637	3.490	9.4	20.0
11 27	1 17.27	+ 2 27.8	2.730	3.484	11.8	20.2

402501 2006 DC_{40} 10 19.7 264°.81 4°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 57.02	− 2 37.7	2.381	3.266	9.8	20.5
9 28	1 52.37	− 4 7.2	2.311	3.251	7.3	20.3
10 8	1 46.32	− 5 36.6	2.267	3.235	5.2	20.2
10 18	1 39.43	− 6 59.5	2.253	3.220	5.1	20.1
10 28	1 32.41	− 8 9.5	2.267	3.204	7.0	20.2
11 7	1 26.00	− 9 1.9	2.308	3.188	9.6	20.4
11 17	1 20.81	− 9 33.9	2.374	3.172	12.2	20.5
11 27	1 17.33	− 9 45.2	2.460	3.156	14.4	20.7

347953 2003 QG 10 19.7 16°.96 2°.4/17.9 18

9 18	1 58.14	+ 8 2.1	1.207	2.109	15.9	19.7
9 28	1 53.99	+ 7 5.3	1.162	2.115	11.2	19.4
10 8	1 47.47	+ 5 58.7	1.137	2.122	6.1	19.2
10 18	1 39.60	+ 4 50.2	1.137	2.131	2.4	19.0
10 28	1 31.75	+ 3 49.3	1.161	2.140	6.1	19.3
11 7	1 25.22	+ 3 4.4	1.209	2.151	11.0	19.6
11 17	1 20.96	+ 2 40.3	1.279	2.162	15.4	19.9
11 27	1 19.51	+ 2 38.7	1.368	2.175	19.0	20.1

509998 2009 VA_{44} 10 19.7 306°.03 5°.0/16.4 18

9 18	2 2.45	+ 1 2.6	1.356	2.254	14.9	21.1
9 28	1 57.30	+ 0 14.4	1.279	2.228	10.9	20.8
10 8	1 49.52	− 0 36.5	1.223	2.203	6.8	20.5
10 18	1 39.94	− 1 22.6	1.192	2.179	5.1	20.3
10 28	1 29.90	− 1 55.0	1.187	2.154	8.2	20.4
11 7	1 20.84	− 2 6.9	1.206	2.130	12.8	20.6
11 17	1 13.99	− 1 54.9	1.246	2.106	17.3	20.8
11 27	1 10.18	− 1 18.6	1.305	2.083	21.2	21.0

207224 2005 EG_{135} 10 19.7 63°.14 0°.2/19.9 18

9 18	2 1.25	+13 11.7	1.654	2.526	14.0	20.2
9 28	1 55.72	+12 36.5	1.601	2.539	10.1	20.0
10 8	1 48.26	+11 49.0	1.572	2.552	5.6	19.8
10 18	1 39.73	+10 53.6	1.569	2.565	0.9	19.5
10 28	1 31.24	+ 9 56.8	1.594	2.579	3.8	19.7
11 7	1 23.85	+ 9 5.4	1.646	2.592	8.2	20.0
11 17	1 18.36	+ 8 25.0	1.724	2.606	12.1	20.3
11 27	1 15.29	+ 7 59.5	1.823	2.619	15.3	20.5

507387 2012 FW_{82} 10 19.7 123°.26 2°.6/21.9 17

9 18	2 5.99	+19 42.5	1.696	2.539	15.1	21.5
9 28	1 59.11	+19 18.7	1.639	2.556	11.3	21.3
10 8	1 50.14	+18 36.6	1.605	2.572	7.1	21.1
10 18	1 40.01	+17 38.8	1.598	2.587	3.2	20.9
10 28	1 29.94	+16 31.2	1.618	2.602	3.9	21.0
11 7	1 21.10	+15 21.8	1.668	2.616	7.9	21.3
11 17	1 14.35	+14 18.2	1.743	2.630	11.7	21.5
11 27	1 10.23	+13 26.6	1.841	2.642	15.0	21.8

69852 1998 SH_{51} 10 19.7 98°.31 0°.0/19.7 18

9 18	1 59.59	+12 18.6	2.366	3.227	10.8	20.5
9 28	1 54.08	+11 48.6	2.309	3.241	7.7	20.3
10 8	1 47.20	+11 10.4	2.277	3.256	4.3	20.1
10 18	1 39.58	+10 27.1	2.274	3.270	0.6	19.9
10 28	1 31.98	+ 9 42.9	2.301	3.284	3.0	20.1
11 7	1 25.15	+ 9 2.4	2.357	3.298	6.4	20.3
11 17	1 19.67	+ 8 29.4	2.440	3.312	9.4	20.6
11 27	1 15.98	+ 8 6.7	2.547	3.326	12.0	20.8

517437 2014 OQ_{100} 10 19.7 88°.90 4°.4/24.2 18

9 18	2 2.83	+25 26.7	2.313	3.119	12.8	21.3
9 28	1 56.56	+25 41.0	2.250	3.136	10.1	21.2
10 8	1 48.65	+25 38.7	2.211	3.152	7.3	21.0
10 18	1 39.80	+25 19.9	2.199	3.169	4.9	20.9
10 28	1 30.92	+24 47.0	2.215	3.185	4.6	20.9
11 7	1 22.90	+24 4.6	2.259	3.201	6.6	21.1
11 17	1 16.47	+23 18.4	2.331	3.217	9.2	21.3
11 27	1 12.11	+22 34.1	2.428	3.233	11.7	21.5

327613 2006 FO_{19} 10 19.7 215°.56 0°.3/19.4 18

9 18	1 57.69	+11 29.6	2.638	3.500	9.7	21.6
9 28	1 52.73	+10 51.4	2.562	3.496	7.0	21.4
10 8	1 46.49	+10 5.4	2.512	3.492	3.8	21.2
10 18	1 39.49	+ 9 14.8	2.491	3.487	0.5	20.9
10 28	1 32.41	+ 8 23.7	2.500	3.482	2.9	21.1
11 7	1 25.92	+ 7 36.5	2.538	3.476	6.2	21.3
11 17	1 20.58	+ 6 57.0	2.604	3.471	9.1	21.5
11 27	1 16.86	+ 6 28.1	2.694	3.465	11.6	21.7

87892 2000 SS_{292} 10 19.7 303°.20 5°.0/24.9 18 R

9 18	2 0.28	+27 31.1	2.109	2.914	13.9	18.6
9 28	1 55.01	+27 28.2	2.030	2.913	11.2	18.5
10 8	1 47.92	+27 4.9	1.974	2.912	8.2	18.3
10 18	1 39.71	+26 21.4	1.943	2.910	5.7	18.1
10 28	1 31.36	+25 20.7	1.939	2.909	5.1	18.1
11 7	1 23.85	+24 8.8	1.963	2.908	7.2	18.2
11 17	1 18.00	+22 53.0	2.015	2.907	10.1	18.4
11 27	1 14.37	+21 40.9	2.090	2.906	12.9	18.6

303144 2004 DN_{41} 10 19.7 282°.28 7°.1/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 10.77	+27 19.3	1.944	2.738	15.3	20.0
9 28	2 3.05	+28 38.3	1.857	2.729	12.6	19.8
10 8	1 52.69	+29 40.4	1.793	2.719	9.8	19.6
10 18	1 40.46	+30 20.9	1.755	2.709	7.5	19.4
10 28	1 27.62	+30 38.3	1.745	2.699	7.3	19.4
11 7	1 15.58	+30 35.1	1.762	2.690	9.2	19.5
11 17	1 5.57	+30 17.1	1.806	2.680	12.1	19.7
11 27	0 58.50	+29 52.7	1.873	2.670	14.9	19.8

401826 1998 RR_{11} 10 19.7 49°.16 1°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.09	+15 33.6	1.836	2.692	13.6	20.2
9 28	1 57.59	+15 48.4	1.787	2.713	10.0	20.0
10 8	1 49.25	+15 51.4	1.762	2.735	6.0	19.8
10 18	1 39.90	+15 43.9	1.764	2.756	2.3	19.6
10 28	1 30.60	+15 29.3	1.794	2.778	3.5	19.7
11 7	1 22.39	+15 12.2	1.853	2.801	7.2	20.0
11 17	1 16.04	+14 57.3	1.937	2.823	10.8	20.3
11 27	1 12.05	+14 48.7	2.044	2.846	13.7	20.5

484917 2009 SF_{29} 10 19.7 21°.39 1°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.25	+ 9 53.7	2.158	3.033	11.1	21.4
9 28	1 52.60	+ 8 52.7	2.092	3.033	7.8	21.2
10 8	1 46.47	+ 7 43.3	2.052	3.034	4.2	20.9
10 18	1 39.50	+ 6 30.3	2.040	3.035	1.2	20.7
10 28	1 32.47	+ 5 19.7	2.057	3.036	3.9	20.9
11 7	1 26.18	+ 4 17.5	2.102	3.036	7.5	21.2
11 17	1 21.28	+ 3 28.1	2.174	3.037	10.8	21.4
11 27	1 18.23	+ 2 54.5	2.269	3.039	13.5	21.6

227260 2005 SF_{92} 10 19.7 280°.00 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.90	+13 0.1	1.557	2.431	14.6	20.9
9 28	1 56.59	+12 27.2	1.480	2.419	10.6	20.6
10 8	1 48.98	+11 40.2	1.427	2.407	6.0	20.3
10 18	1 39.90	+10 43.0	1.399	2.395	0.9	20.0
10 28	1 30.54	+ 9 42.3	1.398	2.382	4.2	20.2
11 7	1 22.16	+ 8 46.1	1.424	2.370	9.2	20.5
11 17	1 15.79	+ 8 1.2	1.474	2.358	13.7	20.7
11 27	1 12.14	+ 7 32.9	1.545	2.345	17.4	20.9

54682 2001 BU_{8} 10 19.7 167°.91 1°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.23	+ 6 39.9	2.530	3.401	9.8	19.9
9 28	1 53.81	+ 6 3.3	2.465	3.404	6.9	19.7
10 8	1 47.08	+ 5 22.3	2.425	3.406	3.8	19.5
10 18	1 39.60	+ 4 40.6	2.415	3.408	1.5	19.4
10 28	1 32.08	+ 4 2.3	2.435	3.410	3.8	19.5
11 7	1 25.21	+ 3 31.3	2.484	3.412	6.8	19.8
11 17	1 19.58	+ 3 10.4	2.559	3.413	9.7	19.9
11 27	1 15.63	+ 3 1.5	2.658	3.414	12.1	20.1

415675 2014 RK_{19} 10 19.7 177°.85 0°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.14	+12 53.7	2.419	3.277	10.7	20.7
9 28	1 54.58	+12 45.7	2.347	3.277	7.7	20.5
10 8	1 47.56	+12 29.7	2.300	3.277	4.4	20.3
10 18	1 39.68	+12 7.7	2.282	3.277	1.0	20.0
10 28	1 31.70	+11 42.8	2.293	3.277	2.8	20.2
11 7	1 24.40	+11 18.9	2.333	3.277	6.3	20.4
11 17	1 18.42	+10 59.7	2.401	3.277	9.4	20.6
11 27	1 14.25	+10 48.2	2.493	3.277	12.0	20.8

475400 2006 HH_{117} 10 19.7 158°.48 0°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.09	+16 25.6	1.958	2.815	12.9	21.5
9 28	1 54.73	+14 41.0	1.888	2.819	9.3	21.2
10 8	1 47.68	+12 39.0	1.844	2.822	5.2	21.0
10 18	1 39.69	+10 26.3	1.830	2.825	0.7	20.7
10 28	1 31.71	+ 8 12.2	1.846	2.828	3.7	20.9
11 7	1 24.65	+ 6 6.6	1.892	2.831	7.9	21.2
11 17	1 19.23	+ 4 17.6	1.967	2.833	11.6	21.4
11 27	1 15.92	+ 2 50.4	2.064	2.835	14.6	21.7

27600 2001 FB_{26} 10 19.7 130°.11 3°.8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.94	+24 7.6	2.512	3.321	11.8	18.6
9 28	1 55.90	+24 21.0	2.438	3.328	9.3	18.5
10 8	1 48.31	+24 19.9	2.389	3.334	6.6	18.3
10 18	1 39.80	+24 4.3	2.367	3.340	4.3	18.2
10 28	1 31.18	+23 36.3	2.373	3.346	4.1	18.2
11 7	1 23.28	+22 59.8	2.409	3.352	6.2	18.3
11 17	1 16.79	+22 19.9	2.473	3.358	8.8	18.5
11 27	1 12.22	+21 41.7	2.561	3.363	11.2	18.7

105969 2000 SX_{261} 10 19.7 16°.95 2°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.29	+ 7 49.9	1.758	2.645	12.6	18.8
9 28	1 52.88	+ 6 36.9	1.701	2.648	8.8	18.6
10 8	1 46.73	+ 5 15.8	1.668	2.651	4.8	18.3
10 18	1 39.58	+ 3 53.2	1.662	2.655	2.3	18.2
10 28	1 32.40	+ 2 36.9	1.683	2.658	5.2	18.4
11 7	1 26.13	+ 1 33.8	1.732	2.663	9.1	18.6
11 17	1 21.51	+ 0 48.8	1.805	2.667	12.7	18.9
11 27	1 19.04	+ 0 24.1	1.900	2.672	15.7	19.1

408562 2013 KJ_{14} 10 19.7 176°.02 0°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.44	+13 2.5	2.334	3.195	10.9	21.5
9 28	1 53.39	+12 19.5	2.263	3.196	7.8	21.4
10 8	1 46.92	+11 26.7	2.218	3.196	4.3	21.1
10 18	1 39.61	+10 27.7	2.201	3.197	0.7	20.9
10 28	1 32.24	+ 9 27.3	2.214	3.197	3.1	21.1
11 7	1 25.57	+ 8 30.8	2.256	3.197	6.6	21.3
11 17	1 20.24	+ 7 42.8	2.325	3.197	9.8	21.5
11 27	1 16.70	+ 7 6.8	2.418	3.197	12.5	21.7

405840 2006 BP_{203} 10 19.7 225°.02 0°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.14	+11 15.4	2.539	3.401	10.1	21.8
9 28	1 53.84	+10 48.5	2.461	3.395	7.2	21.6
10 8	1 47.16	+10 14.2	2.409	3.388	4.0	21.4
10 18	1 39.65	+ 9 35.2	2.386	3.382	0.6	21.1
10 28	1 32.04	+ 8 55.3	2.392	3.375	3.0	21.3
11 7	1 25.03	+ 8 18.7	2.428	3.367	6.3	21.5
11 17	1 19.24	+ 7 49.1	2.491	3.360	9.4	21.7
11 27	1 15.16	+ 7 29.4	2.579	3.352	12.0	21.9

373149 2012 BJ_{53} 10 19.7 222°.83 0°.4/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.04	+11 31.0	1.527	2.401	14.9	21.8
9 28	1 58.83	+10 57.8	1.456	2.395	10.7	21.5
10 8	1 50.23	+10 12.1	1.408	2.389	6.0	21.2
10 18	1 40.13	+ 9 18.1	1.385	2.381	0.9	20.8
10 28	1 29.80	+ 8 22.8	1.391	2.374	4.5	21.1
11 7	1 20.56	+ 7 33.8	1.423	2.366	9.5	21.4
11 17	1 13.47	+ 6 57.4	1.480	2.357	14.0	21.6
11 27	1 9.21	+ 6 38.0	1.557	2.348	17.7	21.8

323293 2003 TZ_{37} 10 19.7 105°.32 3°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.54	+23 1.4	2.394	3.213	12.0	21.0
9 28	1 54.95	+23 3.0	2.322	3.219	9.3	20.8
10 8	1 47.81	+22 49.7	2.274	3.225	6.4	20.6
10 18	1 39.76	+22 22.3	2.253	3.231	4.0	20.5
10 28	1 31.62	+21 43.5	2.260	3.237	3.8	20.5
11 7	1 24.22	+20 57.9	2.297	3.243	6.2	20.6
11 17	1 18.25	+20 10.7	2.361	3.249	9.0	20.8
11 27	1 14.21	+19 27.3	2.450	3.255	11.6	21.0

213325 2001 SV_{132} 10 19.7 352°.66 0°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.84	+11 46.2	1.808	2.684	12.9	20.3
9 28	1 54.02	+10 55.5	1.742	2.683	9.2	20.1
10 8	1 47.39	+ 9 53.5	1.700	2.682	5.0	19.8
10 18	1 39.70	+ 8 45.0	1.685	2.681	0.8	19.5
10 28	1 31.92	+ 7 36.6	1.698	2.680	4.0	19.8
11 7	1 25.03	+ 6 35.4	1.738	2.680	8.2	20.0
11 17	1 19.82	+ 5 47.0	1.804	2.680	12.0	20.2
11 27	1 16.82	+ 5 15.2	1.892	2.680	15.2	20.5

28975 2001 KR_{69} 10 19.7 34°.26 4°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.58	+ 2 18.1	1.772	2.664	12.3	18.9
9 28	1 53.78	+ 0 41.7	1.716	2.664	8.7	18.7
10 8	1 47.23	− 0 58.1	1.686	2.664	5.5	18.5
10 18	1 39.68	− 2 33.3	1.683	2.665	4.6	18.5
10 28	1 32.07	− 3 55.0	1.708	2.665	7.1	18.6
11 7	1 25.38	− 4 56.8	1.759	2.665	10.6	18.8
11 17	1 20.35	− 5 35.2	1.834	2.666	13.9	19.0
11 27	1 17.50	− 5 49.5	1.928	2.666	16.6	19.2

357458 2004 EL_{16} 10 19.7 224°.05 4°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.20	− 0 13.8	2.238	3.119	10.5	21.4
9 28	1 54.70	− 1 14.2	2.171	3.112	7.6	21.2
10 8	1 47.68	− 2 15.1	2.129	3.103	4.9	21.0
10 18	1 39.75	− 3 11.0	2.116	3.095	4.1	21.0
10 28	1 31.72	− 3 56.3	2.131	3.086	6.2	21.1
11 7	1 24.39	− 4 26.7	2.174	3.076	9.1	21.2
11 17	1 18.44	− 4 40.0	2.243	3.066	12.0	21.4
11 27	1 14.38	− 4 35.4	2.332	3.056	14.4	21.6

380379 2002 UN_{62} 10 19.7 349°.48 2°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.06	+17 11.1	0.972	1.871	19.2	20.4
9 28	1 52.57	+16 48.3	0.911	1.859	14.4	20.1
10 8	1 47.11	+15 59.9	0.869	1.849	8.7	19.7
10 18	1 39.70	+14 49.9	0.847	1.841	3.0	19.4
10 28	1 31.96	+13 27.8	0.847	1.834	5.0	19.5
11 7	1 25.61	+12 7.0	0.869	1.830	11.0	19.8
11 17	1 21.96	+10 59.5	0.912	1.827	16.6	20.1
11 27	1 21.78	+10 14.2	0.972	1.827	21.3	20.4

32598 2001 QN_{159} 10 19.7 164°.13 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.64	+ 9 44.4	1.937	2.811	12.2	19.4
9 28	1 55.19	+ 9 9.1	1.871	2.811	8.7	19.2
10 8	1 48.01	+ 8 25.6	1.830	2.811	4.7	19.0
10 18	1 39.80	+ 7 37.9	1.816	2.812	1.0	18.7
10 28	1 31.52	+ 6 51.6	1.831	2.812	4.0	18.9
11 7	1 24.08	+ 6 12.1	1.874	2.812	8.0	19.2
11 17	1 18.27	+ 5 43.6	1.943	2.813	11.5	19.4
11 27	1 14.61	+ 5 29.3	2.033	2.813	14.5	19.6

166397 2002 NG_{21} 10 19.7 98°.16 6°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.63	− 5 49.6	1.860	2.745	12.1	20.2
9 28	1 55.72	− 7 11.6	1.826	2.762	9.1	20.0
10 8	1 48.19	− 8 27.3	1.817	2.779	6.9	19.9
10 18	1 39.81	− 9 29.2	1.835	2.795	6.7	20.0
10 28	1 31.56	−10 11.3	1.880	2.812	8.6	20.1
11 7	1 24.34	−10 30.4	1.951	2.827	11.3	20.3
11 17	1 18.82	−10 26.4	2.045	2.843	13.9	20.5
11 27	1 15.44	−10 1.1	2.157	2.858	16.1	20.7

306491 1999 TX_{233} 10 19.7 23°.44 3°.4/16.7 18

9 18	1 57.97	+ 6 47.4	1.455	2.351	14.1	20.1
9 28	1 53.62	+ 5 10.4	1.404	2.355	9.9	19.8
10 8	1 47.24	+ 3 24.4	1.376	2.359	5.6	19.6
10 18	1 39.69	+ 1 38.9	1.374	2.364	3.4	19.5
10 28	1 32.14	+ 0 4.5	1.399	2.369	6.7	19.7
11 7	1 25.69	− 1 10.3	1.449	2.375	10.9	20.0
11 17	1 21.19	− 2 0.2	1.523	2.381	14.8	20.2
11 27	1 19.16	− 2 23.8	1.615	2.388	18.0	20.5

82661 2001 PM_{16} 10 19.7 171°.21 4°.6/16.0 18

9 18	2 4.03	+ 0 0.3	1.743	2.628	12.8	19.6
9 28	1 57.68	− 0 57.0	1.688	2.630	9.3	19.4
10 8	1 49.41	− 1 54.3	1.657	2.633	5.9	19.2
10 18	1 40.02	− 2 45.0	1.653	2.634	4.7	19.1
10 28	1 30.61	− 3 22.3	1.677	2.636	7.1	19.2
11 7	1 22.22	− 3 41.9	1.727	2.636	10.6	19.5
11 17	1 15.70	− 3 41.6	1.802	2.637	14.0	19.7
11 27	1 11.58	− 3 21.7	1.896	2.637	16.8	19.9

452024 2014 OY_{125} 10 19.7 20°.96 0°.8/19.0 18

9 18	1 59.52	+ 9 47.2	1.850	2.728	12.5	21.4
9 28	1 54.44	+ 9 17.1	1.790	2.731	8.9	21.1
10 8	1 47.61	+ 8 38.9	1.753	2.735	4.9	20.9
10 18	1 39.76	+ 7 56.6	1.743	2.739	0.9	20.6
10 28	1 31.86	+ 7 15.5	1.762	2.743	4.0	20.9
11 7	1 24.85	+ 6 41.2	1.807	2.748	8.0	21.1
11 17	1 19.49	+ 6 17.7	1.878	2.753	11.6	21.4
11 27	1 16.31	+ 6 7.9	1.971	2.758	14.7	21.6

166239 2002 FO_{37} 10 19.7 181°.01 7°.6/11.9 18

9 18	2 0.99	− 8 55.8	1.923	2.805	11.9	20.5
9 28	1 55.40	−10 33.5	1.877	2.806	9.4	20.3
10 8	1 48.10	−12 3.7	1.856	2.806	7.8	20.2
10 18	1 39.84	−13 18.1	1.862	2.806	8.0	20.3
10 28	1 31.56	−14 9.9	1.894	2.806	9.8	20.4
11 7	1 24.18	−14 35.5	1.952	2.805	12.4	20.5
11 17	1 18.45	−14 34.6	2.031	2.804	14.8	20.7
11 27	1 14.85	−14 9.4	2.128	2.802	17.0	20.9

329944 2005 QD_{30} 10 19.7 59°.43 0°.4/20.1 16

9 18	2 4.41	+14 0.6	1.273	2.152	16.9	20.9
9 28	1 58.27	+13 23.6	1.236	2.176	12.1	20.7
10 8	1 49.77	+12 31.2	1.221	2.201	6.8	20.5
10 18	1 40.07	+11 29.0	1.230	2.225	1.2	20.2
10 28	1 30.61	+10 25.5	1.265	2.250	4.4	20.5
11 7	1 22.70	+ 9 29.3	1.326	2.275	9.4	20.8
11 17	1 17.23	+ 8 47.1	1.411	2.300	13.8	21.1
11 27	1 14.66	+ 8 22.6	1.516	2.325	17.3	21.4

427848 2005 MC_{24} 10 19.7 135°.17 6°.9/13.8 17

9 18	2 4.20	− 5 58.6	1.758	2.641	12.8	21.6
9 28	1 57.67	− 7 22.2	1.719	2.654	9.7	21.4
10 8	1 49.32	− 8 39.3	1.704	2.665	7.3	21.3
10 18	1 40.01	− 9 42.1	1.716	2.677	7.1	21.3
10 28	1 30.80	−10 23.8	1.756	2.687	9.1	21.5
11 7	1 22.71	−10 41.0	1.821	2.697	12.0	21.7
11 17	1 16.47	−10 33.6	1.908	2.706	14.7	21.9
11 27	1 12.59	−10 3.9	2.015	2.715	17.1	22.1

381762 2009 SM_{238} 10 19.7 7°.67 6°.5/17.4 18

9 18	2 5.62	− 3 31.3	0.929	1.840	18.6	19.2
9 28	1 59.94	− 3 21.7	0.887	1.841	13.8	19.0
10 8	1 51.05	− 3 2.5	0.864	1.844	8.9	18.7
10 18	1 40.30	− 2 27.3	0.863	1.848	6.6	18.6
10 28	1 29.57	− 1 32.1	0.884	1.855	9.4	18.8
11 7	1 20.67	− 0 16.8	0.927	1.863	14.2	19.1
11 17	1 14.85	+ 1 15.5	0.990	1.873	18.7	19.4
11 27	1 12.71	+ 3 1.0	1.070	1.885	22.6	19.7

335374 2005 SZ_{182} 10 19.7 82°.98 0°.9/20.4 16

9 18	2 4.85	+14 49.8	1.508	2.375	15.4	21.8
9 28	1 58.42	+14 21.3	1.461	2.394	11.2	21.6
10 8	1 49.84	+13 38.1	1.437	2.414	6.4	21.4
10 18	1 40.11	+12 44.6	1.438	2.434	1.5	21.1
10 28	1 30.50	+11 47.3	1.468	2.453	3.9	21.3
11 7	1 22.21	+10 53.9	1.524	2.472	8.6	21.7
11 17	1 16.11	+10 10.8	1.605	2.491	12.6	22.0
11 27	1 12.71	+ 9 42.4	1.708	2.509	16.0	22.2

210884 2001 SF_{82} 10 19.7 59°.92 1°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.25	+16 50.4	1.786	2.644	13.8	20.3
9 28	1 55.76	+16 31.9	1.726	2.653	10.2	20.1
10 8	1 48.37	+15 58.9	1.689	2.662	6.1	19.8
10 18	1 39.90	+15 14.2	1.678	2.671	2.2	19.6
10 28	1 31.39	+14 22.8	1.695	2.680	3.5	19.7
11 7	1 23.89	+13 31.3	1.740	2.690	7.5	20.0
11 17	1 18.19	+12 45.7	1.811	2.699	11.3	20.2
11 27	1 14.83	+12 11.2	1.904	2.709	14.4	20.5

401465 2013 CP_{172} 10 19.7 304°.42 2°.5/17.4 18

9 18	1 59.27	+ 6 0.6	1.883	2.767	12.0	21.1
9 28	1 54.26	+ 5 1.3	1.820	2.765	8.5	20.9
10 8	1 47.52	+ 3 56.1	1.781	2.763	4.8	20.7
10 18	1 39.78	+ 2 50.7	1.770	2.762	2.5	20.5
10 28	1 31.95	+ 1 51.7	1.787	2.760	5.2	20.7
11 7	1 24.98	+ 1 5.1	1.832	2.758	9.0	20.9
11 17	1 19.61	+ 0 34.8	1.901	2.757	12.4	21.1
11 27	1 16.37	+ 0 22.8	1.992	2.755	15.3	21.3

284222 2006 DC_2 10 19.7 132°.84 3°.0/22.4 18

9 18	2 4.71	+20 26.0	2.014	2.847	13.5	21.8
9 28	1 58.10	+20 24.0	1.949	2.858	10.2	21.6
10 8	1 49.63	+20 6.3	1.908	2.869	6.7	21.4
10 18	1 40.09	+19 34.1	1.893	2.880	3.5	21.2
10 28	1 30.51	+18 51.2	1.908	2.889	3.8	21.3
11 7	1 21.88	+18 3.1	1.952	2.899	7.0	21.5
11 17	1 15.03	+17 16.1	2.022	2.908	10.4	21.7
11 27	1 10.49	+16 35.8	2.116	2.916	13.3	21.9

91780 1999 TH_{211} 10 19.7 358°.10 2°.5/17.5 18

9 18	1 58.45	+ 5 49.8	1.856	2.742	12.1	19.1
9 28	1 53.69	+ 4 58.1	1.794	2.740	8.5	18.8
10 8	1 47.21	+ 4 1.0	1.757	2.740	4.8	18.6
10 18	1 39.73	+ 3 3.9	1.747	2.739	2.5	18.5
10 28	1 32.18	+ 2 13.1	1.765	2.739	5.2	18.7
11 7	1 25.48	+ 1 34.3	1.810	2.739	8.9	18.9
11 17	1 20.38	+ 1 11.1	1.880	2.740	12.4	19.1
11 27	1 17.40	+ 1 5.3	1.971	2.740	15.3	19.3

249361 2008 YM_{89} 10 19.7 130°.62 5°.3/25.2 18

9 18	2 3.67	+28 23.8	2.092	2.888	14.3	20.9
9 28	1 57.42	+28 26.4	2.022	2.898	11.6	20.7
10 8	1 49.29	+28 8.1	1.975	2.908	8.6	20.6
10 18	1 40.05	+27 28.7	1.953	2.917	6.1	20.5
10 28	1 30.74	+26 31.3	1.959	2.926	5.5	20.4
11 7	1 22.39	+25 21.9	1.993	2.935	7.3	20.6
11 17	1 15.83	+24 8.0	2.054	2.943	10.1	20.8
11 27	1 11.61	+22 57.4	2.140	2.951	12.8	21.0

225736 2001 RB_{150} 10 19.7 75°.52 2°.8/17.8 17

9 18	2 4.51	+ 5 42.9	1.436	2.324	14.8	20.2
9 28	1 58.18	+ 4 56.6	1.395	2.341	10.4	20.0
10 8	1 49.70	+ 4 5.1	1.377	2.359	5.8	19.8
10 18	1 40.10	+ 3 14.9	1.385	2.377	2.8	19.7
10 28	1 30.64	+ 2 33.4	1.420	2.395	5.9	19.9
11 7	1 22.53	+ 2 6.3	1.480	2.412	10.2	20.2
11 17	1 16.62	+ 1 56.6	1.565	2.430	14.1	20.5
11 27	1 13.40	+ 2 5.4	1.669	2.447	17.3	20.8

27707 1986 QY_3 10 19.7 37°.22 3°.3/17.6 18

9 18	2 1.96	+ 5 44.6	1.146	2.049	16.6	18.2
9 28	1 56.74	+ 4 52.7	1.110	2.063	11.7	18.0
10 8	1 49.03	+ 3 54.7	1.094	2.079	6.5	17.8
10 18	1 40.00	+ 2 58.9	1.103	2.095	3.3	17.6
10 28	1 31.13	+ 2 14.2	1.136	2.112	6.8	17.9
11 7	1 23.79	+ 1 47.3	1.193	2.130	11.6	18.2
11 17	1 18.92	+ 1 41.5	1.271	2.148	15.8	18.5
11 27	1 17.02	+ 1 57.2	1.368	2.167	19.3	18.8

452989 2007 GE_{18} 10 19.7 148°.39 1°.5/21.5 18

9 18	1 58.82	+17 54.5	2.600	3.440	10.6	21.8
9 28	1 53.58	+17 25.0	2.529	3.446	7.8	21.7
10 8	1 47.02	+16 43.9	2.483	3.452	4.8	21.5
10 18	1 39.71	+15 53.6	2.465	3.457	1.9	21.3
10 28	1 32.36	+14 57.8	2.478	3.462	2.7	21.4
11 7	1 25.68	+14 1.3	2.520	3.467	5.7	21.6
11 17	1 20.23	+13 8.8	2.590	3.471	8.6	21.8
11 27	1 16.48	+12 24.4	2.685	3.475	11.1	21.9

156588 2002 GH_{45} 10 19.7 277°.63 0°.5/20.2 17

9 18	2 0.91	+12 52.2	2.163	3.024	11.6	20.6
9 28	1 55.43	+12 39.2	2.077	3.009	8.5	20.4
10 8	1 48.22	+12 16.7	2.016	2.994	4.8	20.1
10 18	1 39.91	+11 47.0	1.983	2.978	1.0	19.8
10 28	1 31.37	+11 13.9	1.979	2.963	3.2	20.0
11 7	1 23.49	+10 42.2	2.003	2.947	7.1	20.2
11 17	1 17.06	+10 16.1	2.054	2.932	10.6	20.4
11 27	1 12.68	+ 9 59.8	2.128	2.916	13.7	20.6

398510 2011 UY_{245} 10 19.7 332°.77 3°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.61	+ 4 10.5	1.672	2.561	13.0	20.8
9 28	1 55.44	+ 3 30.9	1.608	2.555	9.3	20.6
10 8	1 48.28	+ 2 47.2	1.567	2.549	5.3	20.3
10 18	1 39.92	+ 2 5.2	1.553	2.544	3.0	20.2
10 28	1 31.42	+ 1 31.0	1.566	2.539	5.8	20.4
11 7	1 23.86	+ 1 9.9	1.605	2.534	9.8	20.6
11 17	1 18.12	+ 1 5.3	1.669	2.530	13.6	20.8
11 27	1 14.77	+ 1 18.3	1.752	2.526	16.7	21.0

277424 2005 UO_{335} 10 19.7 329°.83 3°.7/22.5 18

9 18	2 1.20	+21 0.4	1.400	2.258	16.9	20.0
9 28	1 56.39	+20 52.8	1.329	2.251	13.0	19.7
10 8	1 49.04	+20 22.7	1.278	2.244	8.6	19.5
10 18	1 40.05	+19 31.2	1.250	2.238	4.5	19.2
10 28	1 30.78	+18 24.0	1.248	2.232	4.8	19.2
11 7	1 22.66	+17 10.1	1.272	2.227	9.1	19.5
11 17	1 16.81	+15 59.4	1.320	2.222	13.6	19.7
11 27	1 13.96	+15 0.9	1.388	2.218	17.5	20.0

484147 2006 TS_{73} 10 19.7 324°.74 0°.2/19.5 17

9 18	1 55.79	+14 38.4	1.528	2.409	14.5	21.0
9 28	1 52.30	+13 23.4	1.445	2.387	10.5	20.8
10 8	1 46.69	+11 48.4	1.385	2.367	5.9	20.4
10 18	1 39.70	+ 9 59.3	1.351	2.347	0.8	20.0
10 28	1 32.41	+ 8 5.7	1.344	2.328	4.5	20.3
11 7	1 26.01	+ 6 19.1	1.363	2.309	9.5	20.5
11 17	1 21.45	+ 4 49.0	1.406	2.292	14.1	20.7
11 27	1 19.44	+ 3 42.2	1.470	2.275	18.0	21.0

108549 2001 LJ_{11} 10 19.7 13°.24 0°.5/20.2 18 R

9 18	1 55.01	+16 6.2	1.234	2.123	16.7	17.7
9 28	1 51.84	+14 57.6	1.184	2.129	12.1	17.4
10 8	1 46.40	+13 28.2	1.154	2.136	6.9	17.2
10 18	1 39.64	+11 45.2	1.149	2.144	1.3	16.8
10 28	1 32.87	+10 0.0	1.169	2.155	4.4	17.1
11 7	1 27.35	+ 8 24.4	1.213	2.166	9.6	17.4
11 17	1 23.98	+ 7 7.4	1.281	2.179	14.2	17.7
11 27	1 23.29	+ 6 14.6	1.368	2.193	18.0	18.0

176239 2001 QN_{216} 10 19.8 355°.94 0°.4/20.0 18

9 18	2 2.27	+12 3.0	1.740	2.610	13.5	19.5
9 28	1 56.61	+11 57.3	1.673	2.609	9.8	19.2
10 8	1 48.93	+11 41.7	1.629	2.608	5.5	19.0
10 18	1 40.03	+11 18.8	1.612	2.607	1.0	18.7
10 28	1 30.98	+10 53.0	1.622	2.607	3.7	18.9
11 7	1 22.88	+10 29.6	1.660	2.607	8.1	19.1
11 17	1 16.61	+10 13.2	1.724	2.607	12.0	19.4
11 27	1 12.79	+10 7.8	1.809	2.608	15.3	19.6

150830 2001 SQ_{25} 10 19.8 126°.27 0°.4/20.0 18

9 18	2 4.59	+12 48.1	1.642	2.510	14.3	20.4
9 28	1 58.28	+12 29.2	1.581	2.516	10.4	20.2
10 8	1 49.84	+11 58.5	1.544	2.522	5.8	19.9
10 18	1 40.17	+11 19.4	1.533	2.528	1.1	19.6
10 28	1 30.42	+10 37.3	1.550	2.534	3.9	19.8
11 7	1 21.79	+ 9 58.8	1.594	2.539	8.5	20.1
11 17	1 15.18	+ 9 29.3	1.664	2.545	12.5	20.4
11 27	1 11.16	+ 9 12.9	1.755	2.550	15.9	20.6

300681 2007 VQ_{27} 10 19.8 126°.44 0°.7/20.3 18

9 18	2 3.50	+13 19.2	1.887	2.749	13.0	21.4
9 28	1 57.31	+13 8.3	1.823	2.754	9.5	21.2
10 8	1 49.24	+12 46.7	1.782	2.759	5.4	21.0
10 18	1 40.08	+12 17.1	1.769	2.764	1.2	20.7
10 28	1 30.83	+11 43.9	1.785	2.769	3.4	20.9
11 7	1 22.53	+11 12.3	1.829	2.774	7.6	21.2
11 17	1 16.00	+10 47.1	1.899	2.779	11.3	21.4
11 27	1 11.78	+10 32.2	1.992	2.783	14.4	21.6

53720 2000 EN_{24} 10 19.8 320°.45 1°.9/20.9 18

9 18	2 3.43	+15 7.8	1.327	2.202	16.6	19.1
9 28	1 58.13	+15 13.9	1.255	2.191	12.4	18.8
10 8	1 50.09	+15 4.5	1.203	2.180	7.4	18.5
10 18	1 40.24	+14 41.1	1.176	2.170	2.5	18.2
10 28	1 30.00	+14 8.5	1.174	2.160	4.5	18.3
11 7	1 20.90	+13 34.0	1.197	2.150	9.7	18.6
11 17	1 14.19	+13 5.2	1.244	2.141	14.6	18.8
11 27	1 10.66	+12 48.5	1.310	2.133	18.7	19.1

239135 2006 JZ_{27} 10 19.8 164°.19 1°.2/18.6 18

9 18	2 1.65	+ 9 17.1	2.069	2.939	11.7	21.9
9 28	1 55.82	+ 8 31.2	2.004	2.943	8.3	21.7
10 8	1 48.35	+ 7 37.6	1.966	2.947	4.5	21.5
10 18	1 39.95	+ 6 40.7	1.955	2.950	1.2	21.3
10 28	1 31.49	+ 5 46.0	1.974	2.953	4.0	21.5
11 7	1 23.88	+ 4 59.1	2.021	2.955	7.8	21.7
11 17	1 17.82	+ 4 24.1	2.095	2.957	11.2	22.0
11 27	1 13.82	+ 4 3.8	2.191	2.958	14.0	22.2

389044 2008 UA_{371} 10 19.8 190°.79 4°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.86	− 4 4.5	2.242	3.116	10.7	21.6
9 28	1 57.28	− 4 49.1	2.181	3.115	8.0	21.4
10 8	1 49.12	− 5 30.4	2.146	3.113	5.6	21.3
10 18	1 40.07	− 6 3.0	2.140	3.111	5.0	21.2
10 28	1 30.96	− 6 22.5	2.163	3.108	6.8	21.3
11 7	1 22.65	− 6 25.9	2.213	3.104	9.5	21.5
11 17	1 15.83	− 6 12.3	2.289	3.100	12.2	21.7
11 27	1 10.99	− 5 42.1	2.386	3.095	14.5	21.9

138946 2001 BA_{39} 10 19.8 181°.59 1°.5/20.9 18

9 18	2 5.11	+16 9.1	1.682	2.539	14.6	21.3
9 28	1 58.73	+15 49.2	1.612	2.540	10.8	21.0
10 8	1 50.15	+15 14.1	1.566	2.540	6.4	20.8
10 18	1 40.23	+14 26.5	1.546	2.540	2.1	20.5
10 28	1 30.18	+13 31.6	1.555	2.539	3.8	20.6
11 7	1 21.18	+12 36.8	1.591	2.538	8.3	20.9
11 17	1 14.20	+11 48.9	1.652	2.537	12.4	21.2
11 27	1 9.87	+11 13.6	1.736	2.535	15.9	21.4

443203 2014 DT_{68} 10 19.8 189°.33 0°.6/19.3 18

9 18	2 4.61	+ 9 14.1	1.924	2.792	12.5	21.3
9 28	1 58.11	+ 9 3.4	1.855	2.792	9.0	21.1
10 8	1 49.71	+ 8 45.8	1.811	2.791	4.9	20.8
10 18	1 40.17	+ 8 24.2	1.795	2.790	0.8	20.5
10 28	1 30.50	+ 8 2.8	1.807	2.789	3.9	20.8
11 7	1 21.74	+ 7 46.2	1.848	2.788	8.0	21.0
11 17	1 14.70	+ 7 38.0	1.916	2.786	11.7	21.2
11 27	1 9.98	+ 7 40.9	2.005	2.784	14.7	21.5

296565 2009 QP_{40} 10 19.8 25°.38 0°.1/19.8 18

9 18	2 0.61	+12 35.2	1.011	1.911	18.5	19.9
9 28	1 56.14	+12 7.4	0.971	1.922	13.3	19.6
10 8	1 48.88	+11 23.2	0.950	1.934	7.4	19.4
10 18	1 40.04	+10 28.8	0.952	1.948	1.1	19.0
10 28	1 31.28	+ 9 33.6	0.977	1.963	5.1	19.3
11 7	1 24.16	+ 8 47.4	1.025	1.979	10.8	19.7
11 17	1 19.75	+ 8 17.3	1.094	1.996	15.8	20.1
11 27	1 18.59	+ 8 7.1	1.182	2.014	19.8	20.4

178785 2001 BE_{83} 10 19.8 244°.56 3°.2/22.1 18

9 18	2 4.48	+19 54.5	1.557	2.407	15.9	20.8
9 28	1 58.59	+19 47.6	1.480	2.400	12.1	20.6
10 8	1 50.23	+19 21.1	1.425	2.391	7.8	20.3
10 18	1 40.27	+18 35.9	1.394	2.383	3.8	20.1
10 28	1 30.01	+17 37.0	1.391	2.374	4.4	20.1
11 7	1 20.80	+16 32.2	1.414	2.365	8.7	20.3
11 17	1 13.76	+15 30.3	1.462	2.356	13.1	20.6
11 27	1 9.62	+14 39.2	1.532	2.347	16.9	20.8

515558 2014 HY_{22} 10 19.8 189°.13 5°.2/14.1 18

9 18	2 1.31	− 5 21.3	2.435	3.310	10.0	22.7
9 28	1 55.38	− 6 25.5	2.377	3.309	7.5	22.5
10 8	1 48.04	− 7 26.0	2.346	3.308	5.6	22.4
10 18	1 39.92	− 8 17.5	2.344	3.306	5.3	22.4
10 28	1 31.75	− 8 54.8	2.370	3.303	7.0	22.5
11 7	1 24.28	− 9 14.9	2.424	3.299	9.4	22.6
11 17	1 18.14	− 9 16.7	2.502	3.295	11.8	22.8
11 27	1 13.77	− 9 0.6	2.602	3.290	13.9	23.0

316942 2001 CF_{49} 10 19.8 259°.74 4°.2/24.0 17

9 18	2 1.60	+25 15.6	2.428	3.234	12.3	21.0
9 28	1 55.93	+25 25.3	2.334	3.220	9.8	20.8
10 8	1 48.53	+25 19.0	2.262	3.204	7.1	20.6
10 18	1 40.01	+24 56.5	2.218	3.189	4.8	20.5
10 28	1 31.22	+24 19.5	2.202	3.173	4.5	20.4
11 7	1 23.05	+23 32.3	2.214	3.158	6.6	20.5
11 17	1 16.29	+22 40.3	2.255	3.141	9.4	20.7
11 27	1 11.54	+21 49.8	2.320	3.125	12.1	20.8

134942 2001 BO_{53} 10 19.8 0°.08 5°.4/22.5 18

9 18	2 1.71	+19 23.6	0.955	1.841	20.7	18.2
9 28	1 57.57	+20 15.3	0.900	1.836	16.0	18.0
10 8	1 50.04	+20 44.3	0.863	1.834	10.7	17.7
10 18	1 40.27	+20 48.5	0.846	1.833	6.2	17.4
10 28	1 30.12	+20 31.0	0.851	1.834	6.5	17.5
11 7	1 21.57	+20 0.3	0.877	1.837	11.2	17.7
11 17	1 16.12	+19 26.9	0.924	1.841	16.3	18.0
11 27	1 14.60	+19 0.9	0.988	1.847	20.8	18.3

322979 2002 NU_{3} 10 19.8 39°.28 4°.1/23.1 17

9 18	2 0.12	+24 3.6	1.029	1.897	20.9	19.0
9 28	1 55.73	+23 9.3	0.993	1.919	15.9	18.8
10 8	1 48.58	+21 42.3	0.974	1.942	10.4	18.5
10 18	1 39.99	+19 48.8	0.978	1.966	5.3	18.4
10 28	1 31.67	+17 41.7	1.005	1.991	5.1	18.4
11 7	1 25.11	+15 36.8	1.057	2.016	9.8	18.8
11 17	1 21.28	+13 47.5	1.132	2.043	14.5	19.1
11 27	1 20.61	+12 22.7	1.226	2.069	18.5	19.5

14483 1994 PZ_{22} 10 19.8 326°.44 0°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.82	+12 23.8	1.368	2.251	15.7	19.3
9 28	1 56.75	+11 54.0	1.302	2.245	11.4	19.0
10 8	1 49.22	+11 9.8	1.257	2.239	6.4	18.7
10 18	1 40.14	+10 15.9	1.237	2.233	1.0	18.4
10 28	1 30.83	+ 9 19.5	1.244	2.228	4.6	18.6
11 7	1 22.67	+ 8 29.1	1.275	2.223	9.8	18.9
11 17	1 16.74	+ 7 51.7	1.330	2.219	14.5	19.2
11 27	1 13.73	+ 7 32.1	1.405	2.215	18.4	19.4

218071 2002 GO_{44} 10 19.8 192°.07 3°.3/22.9 18

9 18	2 1.73	+21 46.2	2.250	3.077	12.5	20.3
9 28	1 55.98	+21 53.0	2.173	3.076	9.6	20.2
10 8	1 48.52	+21 45.2	2.120	3.076	6.5	20.0
10 18	1 40.02	+21 23.2	2.094	3.076	3.8	19.8
10 28	1 31.36	+20 49.7	2.096	3.075	3.9	19.8
11 7	1 23.45	+20 9.3	2.127	3.074	6.5	20.0
11 17	1 17.06	+19 27.3	2.186	3.074	9.6	20.2
11 27	1 12.74	+18 49.3	2.268	3.073	12.4	20.4

270211 2001 TJ_{99} 10 19.8 7°.70 2°.2/21.7 17

9 18	2 0.53	+17 28.6	2.212	3.058	12.0	19.9
9 28	1 55.09	+17 37.6	2.140	3.059	9.0	19.7
10 8	1 48.01	+17 35.1	2.092	3.060	5.6	19.5
10 18	1 39.94	+17 22.2	2.072	3.061	2.6	19.3
10 28	1 31.74	+17 1.6	2.080	3.063	3.2	19.3
11 7	1 24.28	+16 37.3	2.116	3.065	6.5	19.6
11 17	1 18.28	+16 13.8	2.180	3.067	9.7	19.8
11 27	1 14.29	+15 55.5	2.267	3.070	12.5	20.0

202674 2006 LT_{5} 10 19.8 148°.60 1°.1/18.6 18

9 18	2 2.14	+ 8 53.7	2.290	3.156	10.9	21.5
9 28	1 56.00	+ 8 10.9	2.230	3.166	7.7	21.3
10 8	1 48.41	+ 7 21.8	2.196	3.176	4.2	21.1
10 18	1 39.99	+ 6 30.1	2.190	3.185	1.2	20.9
10 28	1 31.58	+ 5 40.8	2.215	3.194	3.7	21.1
11 7	1 23.97	+ 4 58.6	2.270	3.202	7.2	21.3
11 17	1 17.80	+ 4 27.1	2.351	3.209	10.3	21.5
11 27	1 13.52	+ 4 8.7	2.455	3.216	12.9	21.7

481616 2007 UX_{10} 10 19.8 343°.59 4°.8/24.1 17

9 18	1 53.86	+25 34.6	1.255	2.112	18.6	20.0
9 28	1 51.38	+24 53.8	1.179	2.097	14.7	19.7
10 8	1 46.38	+23 39.3	1.122	2.083	10.2	19.4
10 18	1 39.72	+21 53.0	1.087	2.071	5.9	19.1
10 28	1 32.77	+19 43.0	1.076	2.060	5.3	19.1
11 7	1 26.96	+17 23.5	1.090	2.050	9.4	19.3
11 17	1 23.43	+15 9.6	1.127	2.042	14.2	19.5
11 27	1 22.89	+13 14.6	1.186	2.036	18.5	19.8

49717 1999 VR_{36} 10 19.8 132°.45 3°.1/17.4 18

9 18	2 6.10	+ 3 38.8	1.723	2.602	13.2	18.7
9 28	1 59.14	+ 2 56.9	1.673	2.615	9.4	18.5
10 8	1 50.24	+ 2 12.3	1.647	2.627	5.4	18.3
10 18	1 40.27	+ 1 30.4	1.648	2.638	3.1	18.2
10 28	1 30.37	+ 0 57.4	1.678	2.649	5.8	18.4
11 7	1 21.60	+ 0 37.8	1.736	2.659	9.6	18.7
11 17	1 14.78	+ 0 34.1	1.818	2.669	13.1	18.9
11 27	1 10.42	+ 0 47.1	1.921	2.678	16.1	19.1

339264 2004 VW_{89} 10 19.8 336°.29 3°.3/22.3 18

9 18	2 0.24	+20 6.5	1.421	2.282	16.5	20.0
9 28	1 55.68	+19 57.5	1.349	2.274	12.6	19.8
10 8	1 48.67	+19 27.1	1.298	2.266	8.2	19.5
10 18	1 40.07	+18 37.0	1.270	2.259	4.1	19.3
10 28	1 31.19	+17 32.6	1.268	2.253	4.5	19.3
11 7	1 23.41	+16 22.8	1.292	2.247	8.9	19.5
11 17	1 17.82	+15 17.0	1.339	2.242	13.4	19.8
11 27	1 15.14	+14 23.4	1.408	2.237	17.3	20.0

349441 2008 BB_{4} 10 19.8 141°.19 2°.8/22.1 16

9 18	2 6.85	+19 41.1	1.797	2.636	14.6	21.9
9 28	1 59.82	+19 33.1	1.734	2.647	11.0	21.7
10 8	1 50.69	+19 8.1	1.694	2.659	7.0	21.5
10 18	1 40.36	+18 27.7	1.681	2.669	3.4	21.3
10 28	1 29.98	+17 36.5	1.696	2.679	3.9	21.3
11 7	1 20.73	+16 41.1	1.740	2.688	7.7	21.6
11 17	1 13.49	+15 48.7	1.810	2.696	11.4	21.8
11 27	1 8.83	+15 5.3	1.904	2.704	14.6	22.1

454072 2012 TU_{30} 10 19.8 341°.68 6°.6/21.0 16

9 18	2 23.97	+15 22.3	0.970	1.835	22.1	20.1
9 28	2 14.36	+17 51.3	0.906	1.832	17.1	19.8
10 8	1 59.91	+20 13.2	0.862	1.830	11.5	19.5
10 18	1 41.87	+22 16.1	0.843	1.828	7.0	19.3
10 28	1 22.76	+23 50.9	0.849	1.826	8.4	19.3
11 7	1 5.53	+24 56.5	0.880	1.825	13.6	19.6
11 17	0 52.50	+25 40.3	0.933	1.824	19.0	19.9
11 27	0 44.85	+26 14.0	1.004	1.823	23.5	20.2

461319 2015 XC_{235} 10 19.8 331°.59 0°.9/18.9 17

9 18	1 58.21	+ 9 52.8	1.767	2.648	12.8	21.2
9 28	1 53.76	+ 9 19.6	1.692	2.635	9.2	21.0
10 8	1 47.41	+ 8 37.0	1.641	2.623	5.0	20.7
10 18	1 39.87	+ 7 49.1	1.615	2.611	1.0	20.4
10 28	1 32.12	+ 7 2.0	1.618	2.600	4.2	20.6
11 7	1 25.19	+ 6 21.7	1.647	2.589	8.5	20.8
11 17	1 19.91	+ 5 53.3	1.701	2.579	12.4	21.1
11 27	1 16.92	+ 5 40.3	1.776	2.570	15.8	21.3

275129 2009 VA_{67} 10 19.8 314°.88 0°.9/20.6 17

9 18	1 59.45	+14 10.4	1.940	2.805	12.6	21.2
9 28	1 54.66	+13 59.5	1.848	2.780	9.3	21.0
10 8	1 47.96	+13 37.1	1.779	2.756	5.5	20.7
10 18	1 39.97	+13 5.1	1.737	2.731	1.5	20.4
10 28	1 31.62	+12 27.8	1.722	2.708	3.4	20.5
11 7	1 23.94	+11 50.3	1.736	2.684	7.6	20.7
11 17	1 17.82	+11 18.3	1.775	2.661	11.6	20.9
11 27	1 13.94	+10 56.5	1.837	2.639	15.0	21.1

157751 2006 CE_{51} 10 19.8 132°.13 0°.2/19.6 18

9 18	1 59.15	+11 34.3	2.580	3.440	10.0	21.0
9 28	1 53.80	+11 2.9	2.516	3.449	7.1	20.8
10 8	1 47.17	+10 24.1	2.479	3.457	3.9	20.6
10 18	1 39.83	+ 9 41.0	2.470	3.465	0.6	20.4
10 28	1 32.47	+ 8 57.4	2.491	3.473	2.9	20.6
11 7	1 25.77	+ 8 17.6	2.542	3.481	6.1	20.8
11 17	1 20.29	+ 7 45.1	2.620	3.488	9.0	21.0
11 27	1 16.47	+ 7 22.5	2.723	3.496	11.4	21.2

294797 2008 CC_{74} 10 19.8 196°.05 3°.4/22.7 18

9 18	2 4.81	+22 2.4	1.807	2.640	14.8	21.2
9 28	1 58.52	+21 44.6	1.730	2.638	11.4	21.0
10 8	1 50.07	+21 7.0	1.675	2.635	7.6	20.8
10 18	1 40.29	+20 10.8	1.646	2.632	4.1	20.6
10 28	1 30.32	+19 0.7	1.646	2.628	4.2	20.6
11 7	1 21.35	+17 44.4	1.674	2.623	7.8	20.8
11 17	1 14.32	+16 30.1	1.728	2.618	11.6	21.0
11 27	1 9.88	+15 25.6	1.806	2.612	15.1	21.2

517965 2015 TY_{364} 10 19.8 169°.48 2°.8/16.8 18

9 18	1 59.80	+ 2 8.9	2.527	3.403	9.6	21.5
9 28	1 54.28	+ 1 30.9	2.465	3.405	6.9	21.3
10 8	1 47.45	+ 0 51.9	2.429	3.407	4.1	21.2
10 18	1 39.88	+ 0 15.6	2.422	3.408	2.8	21.1
10 28	1 32.27	− 0 13.8	2.445	3.410	4.7	21.2
11 7	1 25.31	− 0 33.0	2.496	3.411	7.5	21.4
11 17	1 19.59	− 0 40.0	2.574	3.412	10.2	21.6
11 27	1 15.55	− 0 33.8	2.675	3.412	12.4	21.7

28471 2000 BZ_{13} 10 19.8 212°.37 1°.6/18.5 18

9 18	2 4.13	+ 8 8.6	1.819	2.692	12.9	19.4
9 28	1 57.90	+ 7 29.6	1.747	2.687	9.2	19.2
10 8	1 49.68	+ 6 42.8	1.699	2.681	5.0	18.9
10 18	1 40.24	+ 5 52.9	1.679	2.674	1.6	18.7
10 28	1 30.62	+ 5 5.7	1.688	2.667	4.6	18.9
11 7	1 21.93	+ 4 27.3	1.725	2.659	8.9	19.1
11 17	1 15.02	+ 4 2.1	1.787	2.651	12.7	19.3
11 27	1 10.50	+ 3 53.0	1.871	2.642	15.9	19.5

482300 2011 UC_{80} 10 19.8 351°.82 1°.7/21.0 17

9 18	1 58.18	+15 58.0	1.342	2.222	16.1	20.8
9 28	1 54.23	+15 44.7	1.276	2.214	12.0	20.6
10 8	1 47.86	+15 13.8	1.230	2.208	7.2	20.3
10 18	1 39.97	+14 28.4	1.209	2.203	2.4	20.0
10 28	1 31.84	+13 34.9	1.212	2.199	4.2	20.1
11 7	1 24.82	+12 41.5	1.241	2.196	9.2	20.4
11 17	1 19.97	+11 56.5	1.293	2.194	13.8	20.7
11 27	1 17.98	+11 25.9	1.364	2.194	17.8	20.9

488147 2015 VK_{141} 10 19.8 194°.37 7°.1/13.2 18

9 18	2 4.22	−14 18.1	2.454	3.311	10.5	20.5
9 28	1 57.41	−14 50.1	2.403	3.311	8.6	20.4
10 8	1 49.17	−15 11.2	2.377	3.310	7.3	20.3
10 18	1 40.15	−15 16.7	2.379	3.309	7.3	20.3
10 28	1 31.15	−15 3.4	2.408	3.308	8.6	20.4
11 7	1 22.95	−14 30.3	2.464	3.306	10.5	20.5
11 17	1 16.19	−13 38.6	2.544	3.305	12.5	20.7
11 27	1 11.31	−12 30.7	2.644	3.303	14.3	20.8

348758 2006 HS_{91} 10 19.8 209°.50 2°.3/17.5 18

9 18	2 2.01	+ 5 29.3	2.219	3.092	10.9	22.0
9 28	1 56.08	+ 4 40.6	2.146	3.086	7.7	21.8
10 8	1 48.55	+ 3 47.2	2.098	3.079	4.4	21.5
10 18	1 40.07	+ 2 53.4	2.080	3.071	2.3	21.4
10 28	1 31.46	+ 2 4.9	2.091	3.063	4.7	21.5
11 7	1 23.57	+ 1 26.2	2.131	3.054	8.1	21.7
11 17	1 17.12	+ 1 1.0	2.197	3.044	11.3	21.9
11 27	1 12.63	+ 0 51.2	2.286	3.034	14.0	22.1

431754 2008 GA_{77} 10 19.8 35°.00 5°.9/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.93	+ 0 4.2	1.058	1.967	17.1	20.1
9 28	1 57.50	− 0 51.4	1.030	1.985	12.3	19.9
10 8	1 49.50	− 1 44.7	1.023	2.003	7.7	19.7
10 18	1 40.19	− 2 26.3	1.038	2.023	6.0	19.7
10 28	1 31.15	− 2 48.0	1.077	2.043	8.9	19.9
11 7	1 23.79	− 2 45.8	1.138	2.065	13.2	20.2
11 17	1 19.04	− 2 19.5	1.220	2.087	17.2	20.5
11 27	1 17.35	− 1 31.6	1.320	2.109	20.4	20.8

44471 1998 VB_{37} 10 19.8 39°.02 2°.9/17.6 18

9 18	2 0.68	+ 6 22.5	1.329	2.225	15.2	17.8
9 28	1 55.58	+ 5 23.7	1.294	2.245	10.6	17.6
10 8	1 48.35	+ 4 18.8	1.281	2.265	5.9	17.4
10 18	1 40.02	+ 3 15.7	1.293	2.286	2.9	17.3
10 28	1 31.86	+ 2 22.5	1.331	2.307	6.1	17.5
11 7	1 25.04	+ 1 45.7	1.394	2.329	10.5	17.8
11 17	1 20.37	+ 1 28.8	1.480	2.352	14.4	18.1
11 27	1 18.33	+ 1 32.3	1.586	2.375	17.6	18.4

126915 2002 EV_{125} 10 19.8 209°.04 4°.3/15.0 18

9 18	2 0.70	+ 0 0.6	2.191	3.071	10.7	20.5
9 28	1 55.14	− 1 23.4	2.125	3.065	7.8	20.3
10 8	1 48.03	− 2 48.9	2.085	3.058	5.1	20.2
10 18	1 40.00	− 4 9.3	2.074	3.051	4.5	20.1
10 28	1 31.87	− 5 17.8	2.093	3.043	6.6	20.2
11 7	1 24.46	− 6 9.2	2.140	3.034	9.6	20.4
11 17	1 18.48	− 6 40.8	2.211	3.025	12.5	20.6
11 27	1 14.41	− 6 51.8	2.303	3.015	14.9	20.7

74361 1998 WK_{16} 10 19.8 316°.66 1°.9/21.4 18

9 18	1 58.28	+18 13.7	1.575	2.439	15.0	19.1
9 28	1 54.15	+17 36.8	1.491	2.421	11.3	18.8
10 8	1 47.80	+16 39.7	1.429	2.402	6.9	18.5
10 18	1 39.99	+15 25.4	1.391	2.384	2.6	18.2
10 28	1 31.85	+14 0.5	1.381	2.367	3.9	18.2
11 7	1 24.61	+12 34.2	1.397	2.350	8.6	18.5
11 17	1 19.27	+11 15.9	1.438	2.334	13.1	18.7
11 27	1 16.56	+10 13.3	1.500	2.318	17.0	18.9

474462 2003 SR_{94} 10 19.8 309°.98 0°.0/19.8 16

9 18	1 59.88	+12 52.2	1.497	2.377	14.8	21.8
9 28	1 55.46	+12 17.8	1.409	2.351	10.8	21.5
10 8	1 48.63	+11 28.0	1.343	2.324	6.1	21.1
10 18	1 40.14	+10 26.7	1.302	2.298	1.0	20.7
10 28	1 31.17	+ 9 20.7	1.287	2.272	4.4	20.9
11 7	1 23.05	+ 8 18.7	1.298	2.246	9.7	21.2
11 17	1 16.90	+ 7 28.8	1.333	2.221	14.5	21.4
11 27	1 13.56	+ 6 56.9	1.388	2.197	18.6	21.6

373881 2003 SU_{222} 10 19.8 30°.09 2°.0/20.9 16

9 18	2 3.65	+15 22.6	1.027	1.916	19.2	20.1
9 28	1 58.45	+15 23.8	0.983	1.926	14.2	19.9
10 8	1 50.26	+15 5.6	0.958	1.937	8.4	19.6
10 18	1 40.36	+14 31.5	0.955	1.950	2.7	19.3
10 28	1 30.47	+13 48.6	0.976	1.963	4.8	19.5
11 7	1 22.28	+13 6.7	1.021	1.977	10.5	19.9
11 17	1 16.96	+12 34.0	1.087	1.992	15.5	20.2
11 27	1 15.11	+12 16.8	1.171	2.008	19.6	20.5

342374 2008 UH_{13} 10 19.8 31°.47 0°.2/19.9 18

9 18	2 1.03	+13 21.2	1.313	2.196	16.2	20.9
9 28	1 56.09	+12 46.7	1.262	2.205	11.7	20.6
10 8	1 48.78	+11 57.2	1.233	2.214	6.6	20.4
10 18	1 40.13	+10 57.9	1.228	2.224	1.1	20.0
10 28	1 31.47	+ 9 56.6	1.249	2.235	4.4	20.3
11 7	1 24.12	+ 9 2.1	1.296	2.246	9.5	20.6
11 17	1 19.03	+ 8 21.2	1.366	2.258	14.0	20.9
11 27	1 16.77	+ 7 58.1	1.456	2.270	17.6	21.2

316124 2009 QH_{47} 10 19.8 59°.82 5°.4/14.3 18

9 18	1 58.76	− 3 47.5	2.028	2.915	11.1	19.8
9 28	1 53.75	− 4 59.4	1.983	2.923	8.3	19.7
10 8	1 47.23	− 6 7.6	1.964	2.932	6.0	19.6
10 18	1 39.88	− 7 5.9	1.972	2.940	5.6	19.6
10 28	1 32.56	− 7 48.3	2.008	2.949	7.5	19.7
11 7	1 26.09	− 8 11.3	2.070	2.957	10.2	19.9
11 17	1 21.09	− 8 13.9	2.155	2.966	12.8	20.1
11 27	1 18.03	− 7 56.7	2.260	2.975	15.1	20.3

348111 2003 YC_{119} 10 19.8 290°.26 1°.8/21.3 18

9 18	2 1.79	+16 45.9	1.796	2.653	13.8	21.1
9 28	1 56.52	+16 34.8	1.706	2.632	10.4	20.8
10 8	1 49.09	+16 8.9	1.638	2.610	6.4	20.5
10 18	1 40.21	+15 29.6	1.596	2.589	2.4	20.2
10 28	1 30.93	+14 41.3	1.582	2.567	3.7	20.3
11 7	1 22.42	+13 50.3	1.596	2.546	8.0	20.5
11 17	1 15.67	+13 3.5	1.635	2.524	12.2	20.7
11 27	1 11.42	+12 27.1	1.696	2.503	15.9	20.9

94494 2001 UG_{46} 10 19.8 342°.23 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.96	+10 52.5	0.978	1.882	18.6	19.2
9 28	1 56.89	+10 36.4	0.918	1.871	13.5	18.9
10 8	1 49.64	+10 5.3	0.878	1.862	7.6	18.5
10 18	1 40.31	+ 9 24.2	0.858	1.854	1.1	18.1
10 28	1 30.61	+ 8 41.7	0.862	1.848	5.7	18.4
11 7	1 22.37	+ 8 7.7	0.888	1.842	12.0	18.7
11 17	1 16.98	+ 7 49.9	0.933	1.838	17.5	19.0
11 27	1 15.27	+ 7 52.8	0.996	1.835	22.2	19.3

390334 2013 CF_{14} 10 19.8 156°.02 0°.5/18.9 18

9 18	1 52.91	+ 8 59.7	4.367	5.228	6.2	21.4
9 28	1 49.04	+ 8 38.1	4.294	5.229	4.4	21.2
10 8	1 44.46	+ 8 13.3	4.249	5.229	2.4	21.1
10 18	1 39.49	+ 7 46.9	4.234	5.230	0.5	20.9
10 28	1 34.47	+ 7 21.2	4.250	5.230	2.0	21.1
11 7	1 29.78	+ 6 58.0	4.296	5.231	4.0	21.2
11 17	1 25.73	+ 6 39.3	4.371	5.231	5.8	21.4
11 27	1 22.60	+ 6 26.5	4.471	5.231	7.5	21.5

327801 2006 VD_5 10 19.8 34°.57 1°.8/21.1 15

9 18	2 1.90	+17 17.8	1.225	2.102	17.6	20.6
9 28	1 56.94	+16 43.5	1.171	2.107	13.0	20.3
10 8	1 49.37	+15 47.8	1.136	2.113	7.8	20.1
10 18	1 40.26	+14 35.3	1.125	2.119	2.5	19.8
10 28	1 31.08	+13 14.6	1.140	2.126	4.4	19.9
11 7	1 23.31	+11 56.8	1.180	2.134	9.7	20.2
11 17	1 18.01	+10 51.5	1.242	2.141	14.5	20.5
11 27	1 15.80	+10 5.1	1.325	2.149	18.5	20.8

216945 1999 TA_{108} 10 19.8 34°.49 4°.9/24.6 18

9 18	1 59.47	+26 16.1	1.629	2.458	16.3	19.1
9 28	1 54.73	+26 0.0	1.575	2.474	12.9	18.9
10 8	1 47.95	+25 19.7	1.542	2.491	9.1	18.7
10 18	1 40.03	+24 16.9	1.533	2.509	5.8	18.6
10 28	1 32.15	+22 57.2	1.551	2.528	5.2	18.6
11 7	1 25.42	+21 29.5	1.595	2.547	7.8	18.8
11 17	1 20.70	+20 3.0	1.665	2.567	11.2	19.0
11 27	1 18.47	+18 46.0	1.758	2.587	14.4	19.3

65720 1993 FN_{19} 10 19.8 160°.91 3°.8/17.1 18

9 18	2 5.84	+ 3 38.2	1.479	2.365	14.5	19.5
9 28	1 59.33	+ 2 43.1	1.424	2.369	10.4	19.3
10 8	1 50.55	+ 1 43.9	1.392	2.373	6.1	19.1
10 18	1 40.44	+ 0 47.9	1.387	2.376	3.8	18.9
10 28	1 30.29	+ 0 2.7	1.409	2.379	6.7	19.1
11 7	1 21.37	− 0 25.5	1.457	2.381	11.0	19.4
11 17	1 14.64	− 0 33.5	1.528	2.383	15.0	19.6
11 27	1 10.67	− 0 20.9	1.619	2.384	18.2	19.9

366490 2002 NE_{73} 10 19.8 47°.06 0°.9/18.9 18

9 18	1 59.32	+ 9 40.4	1.967	2.842	12.0	20.9
9 28	1 54.20	+ 9 4.6	1.916	2.857	8.5	20.7
10 8	1 47.51	+ 8 21.6	1.891	2.872	4.6	20.5
10 18	1 39.96	+ 7 35.4	1.893	2.888	1.0	20.2
10 28	1 32.45	+ 6 51.3	1.923	2.904	3.8	20.5
11 7	1 25.84	+ 6 14.3	1.981	2.920	7.5	20.8
11 17	1 20.78	+ 5 48.3	2.065	2.937	10.9	21.0
11 27	1 17.73	+ 5 35.7	2.171	2.953	13.6	21.2

443670 2015 HX_{60} 10 19.8 78°.28 5°.5/14.6 18

9 18	2 0.07	+ 0 7.4	1.639	2.533	13.0	20.6
9 28	1 54.91	− 1 40.2	1.600	2.547	9.3	20.4
10 8	1 47.95	− 3 27.6	1.586	2.561	6.3	20.2
10 18	1 40.03	− 5 5.3	1.599	2.575	5.7	20.2
10 28	1 32.20	− 6 24.6	1.640	2.589	8.1	20.4
11 7	1 25.44	− 7 19.6	1.706	2.603	11.4	20.6
11 17	1 20.50	− 7 48.3	1.794	2.617	14.5	20.9
11 27	1 17.82	− 7 51.6	1.902	2.631	17.1	21.1

517344 2014 JO_{66} 10 19.8 232°.51 0°.8/19.0 18

9 18	2 0.53	+11 4.3	2.081	2.948	11.7	22.1
9 28	1 55.19	+10 10.9	2.002	2.939	8.4	21.8
10 8	1 48.15	+ 9 7.2	1.949	2.929	4.6	21.6
10 18	1 40.08	+ 7 57.6	1.923	2.919	0.9	21.3
10 28	1 31.85	+ 6 48.1	1.927	2.908	3.8	21.5
11 7	1 24.36	+ 5 45.1	1.960	2.897	7.8	21.7
11 17	1 18.36	+ 4 53.9	2.020	2.886	11.3	21.9
11 27	1 14.42	+ 4 18.2	2.101	2.874	14.3	22.1

277001 2004 XW_{72} 10 19.8 36°.21 6°.3/15.6 18

9 18	2 2.20	− 2 0.8	1.279	2.181	15.3	18.9
9 28	1 56.77	− 3 2.5	1.245	2.194	11.2	18.7
10 8	1 49.09	− 4 0.3	1.232	2.208	7.5	18.5
10 18	1 40.20	− 4 45.3	1.244	2.222	6.4	18.5
10 28	1 31.47	− 5 10.1	1.280	2.238	9.0	18.7
11 7	1 24.14	− 5 10.9	1.340	2.253	12.7	19.0
11 17	1 19.07	− 4 47.5	1.422	2.270	16.3	19.2
11 27	1 16.76	− 4 2.4	1.521	2.287	19.2	19.5

77269 2001 FX_{52} 10 19.8 246°.96 2°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 3.64	+18 53.3	1.564	2.418	15.6	19.7
9 28	1 57.99	+18 35.1	1.488	2.411	11.8	19.5
10 8	1 49.94	+17 57.6	1.434	2.404	7.4	19.2
10 18	1 40.37	+17 2.7	1.405	2.396	3.2	19.0
10 28	1 30.53	+15 56.2	1.403	2.388	4.1	19.0
11 7	1 21.74	+14 46.4	1.428	2.380	8.6	19.2
11 17	1 15.05	+13 41.8	1.479	2.371	13.0	19.5
11 27	1 11.18	+12 50.1	1.550	2.363	16.8	19.7

86809 2000 GC_{124} 10 19.8 164°.60 4°.2/16.5 18

9 18	2 3.76	+ 1 35.5	1.675	2.561	13.2	19.6
9 28	1 57.65	+ 0 41.0	1.619	2.564	9.4	19.4
10 8	1 49.55	− 0 15.1	1.587	2.566	5.8	19.2
10 18	1 40.29	− 1 6.0	1.582	2.568	4.2	19.1
10 28	1 30.99	− 1 45.2	1.605	2.569	6.8	19.3
11 7	1 22.74	− 2 7.4	1.654	2.570	10.5	19.5
11 17	1 16.39	− 2 10.4	1.727	2.571	14.0	19.7
11 27	1 12.49	− 1 53.9	1.820	2.572	17.0	20.0

484030 2006 DO_{197} 10 19.8 229°.41 8°.8/ 1.2 18

9 18	2 8.68	+47 45.4	3.303	3.917	12.7	22.4
9 28	2 1.19	+48 38.6	3.201	3.903	11.6	22.3
10 8	1 51.63	+49 11.8	3.117	3.889	10.5	22.2
10 18	1 40.65	+49 21.3	3.055	3.874	9.5	22.1
10 28	1 29.20	+49 5.7	3.018	3.858	8.9	22.0
11 7	1 18.36	+48 26.5	3.006	3.842	9.0	22.0
11 17	1 9.08	+47 27.8	3.018	3.826	9.6	22.0
11 27	1 2.09	+46 16.3	3.055	3.809	10.7	22.1

7215 Gerhard 10 19.8 50°.32 8°.7/29.8 18

9 18	2 4.49	+40 1.6	2.486	3.193	14.6	17.1
9 28	1 58.27	+40 50.1	2.405	3.194	12.8	17.0
10 8	1 49.99	+41 16.2	2.343	3.194	11.0	16.9
10 18	1 40.38	+41 16.8	2.304	3.195	9.4	16.8
10 28	1 30.48	+40 51.5	2.290	3.195	8.7	16.7
11 7	1 21.38	+40 3.6	2.302	3.196	9.1	16.7
11 17	1 14.03	+38 59.1	2.339	3.196	10.3	16.8
11 27	1 9.07	+37 45.9	2.400	3.197	12.1	17.0

176151 2001 FE_{171} 10 19.8 208°.77 3°.2/17.5 18

9 18	2 7.05	+ 2 48.2	1.833	2.709	12.7	20.7
9 28	1 59.99	+ 2 17.3	1.763	2.703	9.1	20.5
10 8	1 50.88	+ 1 44.1	1.718	2.697	5.4	20.3
10 18	1 40.51	+ 1 13.5	1.701	2.690	3.2	20.1
10 28	1 29.98	+ 0 51.0	1.712	2.682	5.8	20.3
11 7	1 20.39	+ 0 41.0	1.752	2.674	9.6	20.5
11 17	1 12.65	+ 0 45.9	1.817	2.665	13.3	20.7
11 27	1 7.37	+ 1 6.7	1.903	2.655	16.3	20.9

43105 1999 XM_{22} 10 19.8 13°.85 5°.3/16.7 18

9 18	2 4.28	− 1 39.4	1.373	2.268	14.9	17.8
9 28	1 58.32	− 2 4.6	1.324	2.271	10.9	17.6
10 8	1 50.02	− 2 26.1	1.297	2.274	7.0	17.4
10 18	1 40.39	− 2 37.7	1.295	2.278	5.4	17.3
10 28	1 30.74	− 2 33.8	1.319	2.283	7.9	17.5
11 7	1 22.37	− 2 11.2	1.367	2.289	11.8	17.7
11 17	1 16.25	− 1 29.8	1.438	2.295	15.6	17.9
11 27	1 12.96	− 0 31.0	1.528	2.302	18.8	18.2

510882 2013 CT_{135} 10 19.8 275°.03 11°.5/24.5 17

9 18	2 14.95	+30 3.1	1.246	2.056	21.4	21.8
9 28	2 7.71	+32 0.2	1.165	2.040	18.2	21.5
10 8	1 56.26	+33 34.2	1.102	2.024	14.8	21.3
10 18	1 41.49	+34 34.4	1.061	2.008	12.1	21.1
10 28	1 25.35	+34 54.1	1.043	1.992	11.7	21.0
11 7	1 10.34	+34 35.8	1.049	1.976	13.9	21.1
11 17	0 58.66	+33 50.2	1.076	1.960	17.6	21.2
11 27	0 51.67	+32 53.1	1.121	1.943	21.3	21.4

37876 1998 FY_{37} 10 19.8 354°.09 4°.8/15.6 18

9 18	1 58.11	+ 3 39.5	1.392	2.293	14.3	17.8
9 28	1 53.94	+ 1 57.3	1.338	2.291	10.2	17.6
10 8	1 47.62	+ 0 8.8	1.307	2.289	6.2	17.4
10 18	1 40.03	− 1 35.7	1.302	2.287	4.9	17.3
10 28	1 32.36	− 3 5.1	1.323	2.286	8.0	17.5
11 7	1 25.77	− 4 10.8	1.368	2.286	12.1	17.7
11 17	1 21.19	− 4 48.5	1.435	2.286	16.0	17.9
11 27	1 19.19	− 4 57.7	1.521	2.286	19.2	18.2

5787 1992 FA_{1} 10 19.8 106°.55 1°.8/21.2 18

9 18	2 5.00	+17 37.1	1.461	2.321	16.2	17.1
9 28	1 58.79	+17 2.3	1.406	2.334	12.0	16.9
10 8	1 50.26	+16 8.6	1.373	2.347	7.2	16.7
10 18	1 40.43	+15 0.1	1.366	2.360	2.4	16.4
10 28	1 30.64	+13 44.2	1.386	2.372	4.0	16.6
11 7	1 22.16	+12 30.3	1.433	2.384	8.7	16.9
11 17	1 15.95	+11 26.5	1.505	2.395	13.0	17.1
11 27	1 12.57	+10 38.8	1.599	2.406	16.6	17.4

98826 2000 YF_{140} 10 19.8 207°.95 2°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.84	+ 3 28.4	2.227	3.098	11.0	19.6
9 28	1 58.13	+ 3 5.7	2.154	3.092	7.8	19.4
10 8	1 49.75	+ 2 41.0	2.107	3.086	4.5	19.2
10 18	1 40.36	+ 2 17.9	2.089	3.079	2.5	19.0
10 28	1 30.85	+ 2 0.5	2.101	3.072	4.7	19.2
11 7	1 22.08	+ 1 52.3	2.142	3.064	8.1	19.4
11 17	1 14.81	+ 1 55.6	2.209	3.056	11.3	19.5
11 27	1 9.58	+ 2 11.7	2.300	3.047	14.0	19.7

226318 2003 DG_{18} 10 19.8 171°.64 2°.1/17.9 18

9 18	2 3.75	+ 6 28.7	1.913	2.788	12.3	20.9
9 28	1 57.49	+ 5 44.5	1.850	2.791	8.7	20.7
10 8	1 49.42	+ 4 54.5	1.812	2.793	4.8	20.4
10 18	1 40.31	+ 4 3.7	1.802	2.795	2.1	20.3
10 28	1 31.13	+ 3 18.1	1.822	2.797	4.8	20.4
11 7	1 22.88	+ 2 42.7	1.869	2.798	8.7	20.7
11 17	1 16.33	+ 2 21.4	1.942	2.798	12.2	20.9
11 27	1 12.02	+ 2 16.1	2.037	2.798	15.1	21.1

401506 2013 ER_{31} 10 19.8 87°.17 3°.2/16.6 18

9 18	1 59.42	+ 3 9.9	2.085	2.968	11.1	20.5
9 28	1 54.20	+ 2 7.9	2.036	2.980	7.8	20.4
10 8	1 47.50	+ 1 3.8	2.013	2.992	4.6	20.2
10 18	1 40.00	+ 0 2.9	2.018	3.005	3.2	20.1
10 28	1 32.54	− 0 48.7	2.051	3.016	5.4	20.3
11 7	1 25.91	− 1 26.7	2.112	3.028	8.6	20.5
11 17	1 20.74	− 1 48.5	2.199	3.040	11.5	20.7
11 27	1 17.48	− 1 53.1	2.307	3.052	14.0	20.9

340159 2005 YQ_{103} 10 19.8 241°.84 3°.0/22.4 18

9 18	2 3.09	+20 32.1	1.837	2.677	14.3	21.4
9 28	1 57.37	+20 18.4	1.754	2.668	10.9	21.1
10 8	1 49.54	+19 46.6	1.694	2.658	7.1	20.9
10 18	1 40.35	+18 58.0	1.660	2.647	3.6	20.7
10 28	1 30.90	+17 56.9	1.654	2.637	4.0	20.7
11 7	1 22.32	+16 50.2	1.676	2.626	7.7	20.9
11 17	1 15.57	+15 45.7	1.724	2.615	11.6	21.1
11 27	1 11.32	+14 50.4	1.795	2.603	15.1	21.3

2200 Pasadena 10 19.8 196°.02 1°.8/21.3 18

9 18	2 5.07	+16 50.0	1.912	2.760	13.5	17.2
9 28	1 58.61	+16 38.4	1.837	2.758	10.0	17.0
10 8	1 50.14	+16 12.8	1.785	2.756	6.1	16.7
10 18	1 40.44	+15 35.1	1.760	2.752	2.3	16.5
10 28	1 30.55	+14 49.6	1.764	2.749	3.5	16.6
11 7	1 21.56	+14 2.2	1.797	2.744	7.5	16.8
11 17	1 14.37	+13 19.1	1.856	2.739	11.3	17.0
11 27	1 9.59	+12 45.6	1.939	2.734	14.6	17.2

95335 2002 CU_{118} 10 19.8 40°.96 2°.1/18.1 18 R

9 18	2 2.72	+ 4 42.9	1.953	2.831	11.9	18.9
9 28	1 56.72	+ 4 27.9	1.893	2.835	8.5	18.7
10 8	1 48.98	+ 4 10.0	1.858	2.839	4.7	18.5
10 18	1 40.25	+ 3 53.0	1.851	2.844	2.1	18.4
10 28	1 31.46	+ 3 41.0	1.872	2.848	4.6	18.5
11 7	1 23.57	+ 3 37.7	1.922	2.853	8.3	18.8
11 17	1 17.31	+ 3 45.3	1.997	2.858	11.7	19.0
11 27	1 13.22	+ 4 5.2	2.094	2.863	14.5	19.2

358672 2007 XA_{34} 10 19.8 339°.68 1°.4/18.9 18

9 18	1 58.91	+ 8 11.4	1.233	2.132	15.9	19.4
9 28	1 55.03	+ 7 58.1	1.161	2.113	11.5	19.1
10 8	1 48.51	+ 7 35.7	1.110	2.095	6.4	18.7
10 18	1 40.22	+ 7 8.9	1.082	2.078	1.5	18.4
10 28	1 31.50	+ 6 44.4	1.079	2.062	5.5	18.6
11 7	1 23.86	+ 6 29.1	1.100	2.049	10.9	18.8
11 17	1 18.49	+ 6 28.5	1.142	2.036	15.9	19.1
11 27	1 16.23	+ 6 45.7	1.202	2.026	20.1	19.3

345280 2005 WL_{39} 10 19.8 327°.95 1°.2/18.5 16

9 18	1 56.61	+ 7 26.3	2.592	3.466	9.5	21.1
9 28	1 52.14	+ 6 58.9	2.515	3.456	6.7	20.9
10 8	1 46.38	+ 6 26.9	2.464	3.446	3.7	20.7
10 18	1 39.85	+ 5 53.3	2.441	3.436	1.2	20.5
10 28	1 33.21	+ 5 21.8	2.448	3.426	3.4	20.7
11 7	1 27.10	+ 4 56.1	2.483	3.417	6.5	20.8
11 17	1 22.13	+ 4 39.1	2.546	3.408	9.4	21.0
11 27	1 18.72	+ 4 33.1	2.631	3.400	11.9	21.2

63476 2001 OL_{37} 10 19.8 28°.98 4°.3/17.1 18

9 18	2 3.84	+ 0 10.6	1.479	2.371	14.2	18.6
9 28	1 57.82	− 0 10.9	1.433	2.380	10.2	18.4
10 8	1 49.67	− 0 30.8	1.411	2.390	6.3	18.2
10 18	1 40.36	− 0 43.6	1.415	2.401	4.4	18.1
10 28	1 31.10	− 0 44.2	1.444	2.413	6.9	18.3
11 7	1 23.07	− 0 29.5	1.500	2.425	10.7	18.6
11 17	1 17.15	+ 0 1.5	1.579	2.437	14.3	18.8
11 27	1 13.86	+ 0 48.0	1.677	2.451	17.4	19.1

512075 2015 MC_{135} 10 19.8 198°.20 1°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.74	+ 8 29.4	1.768	2.648	12.9	21.5
9 28	1 55.50	+ 7 34.1	1.704	2.648	9.1	21.3
10 8	1 48.39	+ 6 30.2	1.665	2.647	5.0	21.0
10 18	1 40.18	+ 5 23.3	1.653	2.647	1.8	20.8
10 28	1 31.88	+ 4 20.4	1.669	2.646	4.8	21.0
11 7	1 24.50	+ 3 28.2	1.712	2.646	8.9	21.3
11 17	1 18.86	+ 2 51.4	1.780	2.645	12.6	21.5
11 27	1 15.51	+ 2 32.7	1.869	2.645	15.8	21.7

399164 2014 FR_{35} 10 19.8 270°.19 5°.1/15.5 18

9 18	2 2.06	− 0 46.5	1.753	2.641	12.6	20.6
9 28	1 56.56	− 1 49.6	1.682	2.625	9.2	20.3
10 8	1 49.06	− 2 53.4	1.636	2.610	6.1	20.1
10 18	1 40.30	− 3 50.7	1.616	2.595	5.2	20.0
10 28	1 31.31	− 4 34.2	1.623	2.579	7.6	20.2
11 7	1 23.19	− 4 58.6	1.657	2.563	11.2	20.3
11 17	1 16.81	− 5 1.2	1.714	2.547	14.6	20.5
11 27	1 12.81	− 4 41.9	1.790	2.531	17.6	20.7

71107 1999 XT_{151} 10 19.8 286°.26 3°.7/23.6 17

9 18	2 0.30	+23 36.1	2.259	3.080	12.6	19.8
9 28	1 55.07	+23 36.2	2.177	3.074	9.9	19.6
10 8	1 48.14	+23 20.2	2.117	3.068	6.9	19.4
10 18	1 40.15	+22 48.5	2.083	3.062	4.3	19.2
10 28	1 31.98	+22 3.7	2.078	3.055	4.1	19.2
11 7	1 24.51	+21 10.9	2.102	3.049	6.6	19.3
11 17	1 18.52	+20 16.0	2.152	3.043	9.6	19.5
11 27	1 14.58	+19 25.0	2.227	3.038	12.4	19.7

512644 2016 TT_{56} 10 19.8 65°.99 7°.4/26.2 18

9 18	2 8.14	+30 20.8	1.570	2.369	18.2	20.1
9 28	2 1.07	+30 51.4	1.524	2.397	14.8	19.9
10 8	1 51.54	+30 54.5	1.498	2.424	11.3	19.8
10 18	1 40.66	+30 28.8	1.495	2.452	8.4	19.7
10 28	1 29.89	+29 37.7	1.519	2.479	7.5	19.7
11 7	1 20.62	+28 29.3	1.568	2.507	9.2	19.9
11 17	1 13.82	+27 13.8	1.642	2.534	12.0	20.1
11 27	1 10.04	+26 1.0	1.739	2.561	14.9	20.4

444011 2004 CY_{27} 10 19.8 217°.18 4°.5/24.2 18

9 18	2 3.84	+25 49.7	2.339	3.141	12.8	21.7
9 28	1 57.62	+26 1.1	2.251	3.134	10.3	21.5
10 8	1 49.58	+25 55.7	2.187	3.126	7.5	21.3
10 18	1 40.39	+25 32.9	2.149	3.118	5.1	21.2
10 28	1 30.95	+24 54.6	2.139	3.110	4.7	21.1
11 7	1 22.22	+24 5.4	2.159	3.101	6.8	21.2
11 17	1 15.03	+23 11.2	2.206	3.092	9.7	21.4
11 27	1 9.99	+22 18.4	2.278	3.082	12.4	21.6

355414 2007 UW_{114} 10 19.8 278°.32 1°.7/18.6 18

9 18	2 4.36	+ 6 24.6	1.899	2.774	12.4	21.2
9 28	1 58.20	+ 6 11.5	1.814	2.754	8.9	21.0
10 8	1 50.00	+ 5 53.5	1.754	2.735	5.0	20.7
10 18	1 40.46	+ 5 34.1	1.720	2.715	1.7	20.5
10 28	1 30.59	+ 5 17.7	1.716	2.695	4.6	20.6
11 7	1 21.46	+ 5 8.6	1.740	2.675	8.7	20.8
11 17	1 14.01	+ 5 10.4	1.789	2.654	12.6	21.0
11 27	1 8.93	+ 5 25.2	1.860	2.634	15.9	21.2

241034 2006 QQ_{127} 10 19.8 71°.66 3°.8/16.7 18

9 18	2 2.10	+ 2 14.7	1.720	2.607	12.8	20.2
9 28	1 56.32	+ 1 20.9	1.677	2.622	9.1	20.0
10 8	1 48.75	+ 0 25.9	1.658	2.638	5.4	19.8
10 18	1 40.24	− 0 24.1	1.667	2.653	3.8	19.8
10 28	1 31.82	− 1 2.8	1.703	2.669	6.3	20.0
11 7	1 24.47	− 1 25.8	1.766	2.684	9.8	20.2
11 17	1 18.92	− 1 31.0	1.852	2.700	13.1	20.5
11 27	1 15.65	− 1 18.1	1.960	2.716	15.8	20.7

220394 2003 QR_{98} 10 19.8 295°.54 1°.6/21.3 17

9 18	2 0.39	+16 22.4	2.147	2.999	12.1	20.5
9 28	1 55.18	+16 15.2	2.063	2.986	9.0	20.3
10 8	1 48.24	+15 56.2	2.002	2.974	5.5	20.0
10 18	1 40.20	+15 26.8	1.969	2.961	2.1	19.8
10 28	1 31.92	+14 50.6	1.964	2.949	3.1	19.8
11 7	1 24.33	+14 12.5	1.988	2.936	6.8	20.0
11 17	1 18.20	+13 37.6	2.038	2.924	10.3	20.2
11 27	1 14.13	+13 10.4	2.112	2.912	13.4	20.4

48191 2001 HX_{54} 10 19.8 217°.39 4°.0/16.7 18

9 18	2 2.87	+ 3 33.9	1.522	2.412	14.0	19.1
9 28	1 57.26	+ 2 26.5	1.462	2.410	10.0	18.9
10 8	1 49.47	+ 1 14.3	1.427	2.407	5.9	18.6
10 18	1 40.39	+ 0 5.0	1.417	2.405	4.0	18.5
10 28	1 31.20	− 0 52.9	1.434	2.402	6.9	18.7
11 7	1 23.09	− 1 32.7	1.477	2.399	11.1	18.9
11 17	1 17.01	− 1 50.9	1.544	2.396	14.9	19.2
11 27	1 13.55	− 1 46.4	1.629	2.393	18.2	19.4

349271 2007 TU_{233} 10 19.8 359°.77 2°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.94	+ 4 22.6	1.709	2.593	13.0	20.3
9 28	1 57.13	+ 3 54.9	1.648	2.592	9.3	20.1
10 8	1 49.33	+ 3 23.7	1.611	2.592	5.3	19.8
10 18	1 40.37	+ 2 53.9	1.600	2.592	2.7	19.7
10 28	1 31.30	+ 2 30.9	1.617	2.592	5.4	19.9
11 7	1 23.22	+ 2 19.4	1.662	2.592	9.4	20.1
11 17	1 16.98	+ 2 22.1	1.730	2.593	13.1	20.3
11 27	1 13.15	+ 2 40.4	1.820	2.593	16.2	20.5

306127 2010 JE_{103} 10 19.8 145°.18 3°.4/23.4 18

9 18	2 2.33	+23 12.8	2.242	3.061	12.8	21.0
9 28	1 56.42	+23 2.1	2.170	3.069	9.9	20.9
10 8	1 48.84	+22 34.9	2.123	3.075	6.7	20.7
10 18	1 40.29	+21 52.4	2.102	3.082	4.0	20.5
10 28	1 31.66	+20 57.9	2.110	3.088	3.8	20.5
11 7	1 23.86	+19 57.1	2.147	3.094	6.5	20.7
11 17	1 17.62	+18 56.1	2.211	3.099	9.5	20.9
11 27	1 13.44	+18 0.8	2.300	3.104	12.3	21.1

444602 2006 UB_{218} 10 19.8 6°.59 2°.2/21.8 18

9 18	2 0.45	+18 38.1	1.849	2.700	13.7	21.3
9 28	1 55.35	+18 16.7	1.779	2.700	10.3	21.1
10 8	1 48.36	+17 39.2	1.731	2.701	6.4	20.8
10 18	1 40.23	+16 48.0	1.710	2.701	2.8	20.6
10 28	1 31.97	+15 48.0	1.717	2.702	3.5	20.7
11 7	1 24.61	+14 46.1	1.751	2.702	7.3	20.9
11 17	1 18.98	+13 49.0	1.812	2.703	11.1	21.1
11 27	1 15.65	+13 2.5	1.895	2.704	14.3	21.4

401759 2013 KQ_{9} 10 19.8 279°.93 1°.8/18.0 18

9 18	1 59.14	+ 7 3.8	2.119	2.997	11.2	20.9
9 28	1 54.15	+ 6 17.8	2.050	2.992	7.9	20.7
10 8	1 47.59	+ 5 25.8	2.006	2.988	4.4	20.5
10 18	1 40.10	+ 4 32.5	1.990	2.984	1.8	20.3
10 28	1 32.51	+ 3 43.1	2.003	2.979	4.4	20.5
11 7	1 25.65	+ 3 2.8	2.045	2.975	7.9	20.7
11 17	1 20.21	+ 2 35.3	2.111	2.971	11.2	20.9
11 27	1 16.70	+ 2 22.8	2.200	2.967	14.0	21.1

210059 2006 PW_{29} 10 19.8 65°.36 0°.3/20.1 18

9 18	2 2.74	+13 21.2	1.667	2.535	14.1	20.9
9 28	1 56.86	+12 49.5	1.621	2.556	10.1	20.7
10 8	1 49.10	+12 5.9	1.599	2.577	5.7	20.5
10 18	1 40.33	+11 14.8	1.603	2.598	1.0	20.3
10 28	1 31.66	+10 22.1	1.635	2.620	3.7	20.5
11 7	1 24.14	+ 9 34.5	1.695	2.641	8.0	20.8
11 17	1 18.55	+ 8 57.2	1.780	2.662	11.8	21.1
11 27	1 15.35	+ 8 33.9	1.887	2.683	14.9	21.4

479786 2014 EV_{45} 10 19.8 40°.82 2°.5/17.9 18

9 18	2 2.33	+ 6 2.8	1.518	2.407	14.1	20.6
9 28	1 56.80	+ 5 24.0	1.466	2.413	10.0	20.4
10 8	1 49.18	+ 4 39.5	1.437	2.420	5.6	20.2
10 18	1 40.35	+ 3 55.1	1.434	2.427	2.5	20.0
10 28	1 31.51	+ 3 17.5	1.458	2.435	5.5	20.2
11 7	1 23.81	+ 2 52.4	1.508	2.443	9.8	20.5
11 17	1 18.12	+ 2 43.3	1.582	2.451	13.7	20.7
11 27	1 15.00	+ 2 51.8	1.676	2.459	17.0	21.0

330519 2007 TC_{49} 10 19.8 27°.10 1°.5/20.7 17

9 18	2 4.30	+14 37.1	1.062	1.950	18.8	20.8
9 28	1 58.99	+14 34.1	1.012	1.955	13.8	20.6
10 8	1 50.69	+14 13.0	0.982	1.962	8.1	20.3
10 18	1 40.60	+13 37.1	0.975	1.970	2.3	20.0
10 28	1 30.43	+12 53.7	0.991	1.978	4.8	20.2
11 7	1 21.88	+12 12.3	1.031	1.987	10.5	20.5
11 17	1 16.15	+11 40.9	1.093	1.996	15.6	20.9
11 27	1 13.90	+11 25.5	1.174	2.007	19.8	21.2

384673 2011 FN_{70} 10 19.8 304°.06 0°.4/19.6 18

9 18	2 1.77	+11 52.3	1.357	2.241	15.7	21.7
9 28	1 56.96	+11 18.4	1.281	2.225	11.4	21.4
10 8	1 49.56	+10 29.8	1.227	2.209	6.4	21.1
10 18	1 40.45	+ 9 31.0	1.197	2.193	1.0	20.6
10 28	1 30.95	+ 8 29.8	1.194	2.178	4.8	20.9
11 7	1 22.50	+ 7 35.1	1.215	2.163	10.3	21.2
11 17	1 16.26	+ 6 54.5	1.259	2.148	15.2	21.4
11 27	1 13.04	+ 6 33.3	1.323	2.133	19.3	21.6

384128 2008 YR_{58} 10 19.8 184°.85 3°.6/16.0 18

9 18	2 2.07	− 0 11.6	2.448	3.323	10.0	21.9
9 28	1 56.00	− 1 1.6	2.385	3.323	7.2	21.7
10 8	1 48.53	− 1 51.5	2.349	3.323	4.6	21.6
10 18	1 40.25	− 2 36.6	2.341	3.321	3.7	21.5
10 28	1 31.92	− 3 12.2	2.364	3.320	5.5	21.6
11 7	1 24.29	− 3 35.0	2.415	3.317	8.3	21.8
11 17	1 17.97	− 3 42.9	2.492	3.314	11.0	22.0
11 27	1 13.43	− 3 35.4	2.591	3.311	13.2	22.1

435043 2006 WY_{54} 10 19.8 267°.50 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.04	+12 0.2	1.563	2.436	14.6	21.8
9 28	1 58.32	+11 35.3	1.484	2.423	10.6	21.6
10 8	1 50.22	+10 57.8	1.429	2.409	6.0	21.3
10 18	1 40.55	+10 11.4	1.398	2.394	0.9	20.9
10 28	1 30.54	+ 9 22.0	1.396	2.380	4.3	21.1
11 7	1 21.49	+ 8 37.0	1.420	2.365	9.3	21.3
11 17	1 14.48	+ 8 2.9	1.468	2.350	13.8	21.6
11 27	1 10.25	+ 7 44.4	1.538	2.336	17.6	21.8

483125 2015 OF_{10} 10 19.8 34°.74 0°.1/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.24	+12 5.7	1.633	2.507	14.1	21.5
9 28	1 56.72	+11 46.1	1.573	2.511	10.2	21.2
10 8	1 49.15	+11 15.3	1.536	2.516	5.7	21.0
10 18	1 40.36	+10 37.2	1.525	2.521	0.9	20.7
10 28	1 31.50	+ 9 57.1	1.542	2.526	3.9	20.9
11 7	1 23.68	+ 9 21.4	1.585	2.531	8.4	21.2
11 17	1 17.78	+ 8 55.2	1.653	2.537	12.4	21.5
11 27	1 14.39	+ 8 42.4	1.743	2.543	15.8	21.7

344024 2012 GU_{33} 10 19.8 218°.70 3°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.38	+23 39.6	2.494	3.309	11.8	21.1
9 28	1 54.99	+23 36.2	2.411	3.306	9.2	20.9
10 8	1 48.06	+23 17.7	2.352	3.302	6.4	20.7
10 18	1 40.20	+22 44.9	2.320	3.298	4.0	20.6
10 28	1 32.18	+22 0.3	2.317	3.294	3.8	20.6
11 7	1 24.82	+21 8.5	2.343	3.290	6.1	20.7
11 17	1 18.82	+20 14.8	2.397	3.285	8.9	20.9
11 27	1 14.67	+19 24.6	2.476	3.281	11.5	21.1

13962 Delambre 10 19.8 358°.41 1°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.81	+ 9 43.8	1.735	2.618	12.9	17.0
9 28	1 53.49	+ 9 8.4	1.671	2.615	9.2	16.8
10 8	1 47.33	+ 8 24.1	1.631	2.614	5.0	16.6
10 18	1 40.08	+ 7 35.3	1.617	2.612	1.1	16.3
10 28	1 32.72	+ 6 48.2	1.630	2.612	4.2	16.5
11 7	1 26.24	+ 6 8.8	1.670	2.613	8.4	16.8
11 17	1 21.43	+ 5 41.7	1.735	2.614	12.2	17.0
11 27	1 18.84	+ 5 29.9	1.821	2.616	15.4	17.2

78364 2002 PY_{113} 10 19.8 298°.99 1°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.54	+17 3.3	2.243	3.092	11.7	19.3
9 28	1 54.52	+16 52.7	2.159	3.080	8.8	19.1
10 8	1 47.86	+16 30.1	2.099	3.069	5.4	18.9
10 18	1 40.17	+15 57.0	2.066	3.057	2.2	18.7
10 28	1 32.28	+15 17.0	2.062	3.046	3.0	18.7
11 7	1 25.05	+14 34.9	2.086	3.035	6.5	18.9
11 17	1 19.21	+13 55.6	2.138	3.024	9.9	19.1
11 27	1 15.32	+13 23.9	2.213	3.013	12.8	19.3

238544 2004 VT_{48} 10 19.8 307°.97 5°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.44	− 2 31.7	1.558	2.448	13.7	20.1
9 28	1 57.70	− 3 18.3	1.496	2.440	10.1	19.9
10 8	1 49.76	− 4 2.2	1.458	2.431	6.9	19.7
10 18	1 40.48	− 4 36.3	1.445	2.423	5.9	19.6
10 28	1 31.03	− 4 53.8	1.459	2.415	8.3	19.7
11 7	1 22.63	− 4 50.6	1.497	2.407	11.9	19.9
11 17	1 16.21	− 4 25.6	1.559	2.399	15.5	20.1
11 27	1 12.42	− 3 39.8	1.639	2.392	18.5	20.3

356788 2011 UC_{312} 10 19.8 60°.57 0°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.88	+14 53.1	1.749	2.615	13.7	21.0
9 28	1 55.61	+14 18.3	1.691	2.624	10.0	20.8
10 8	1 48.47	+13 29.9	1.656	2.634	5.7	20.6
10 18	1 40.27	+12 32.0	1.648	2.643	1.4	20.3
10 28	1 32.05	+11 30.6	1.668	2.653	3.5	20.5
11 7	1 24.83	+10 32.6	1.715	2.663	7.8	20.8
11 17	1 19.40	+ 9 44.1	1.788	2.673	11.6	21.0
11 27	1 16.29	+ 9 9.5	1.883	2.683	14.8	21.2

465284 2007 TA_{219} 10 19.8 66°.23 0°.4/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.04	+14 6.8	4.179	5.026	6.8	21.4
9 28	1 49.20	+13 43.9	4.111	5.036	4.9	21.3
10 8	1 44.64	+13 15.6	4.071	5.045	2.8	21.2
10 18	1 39.67	+12 43.5	4.060	5.055	0.7	21.0
10 28	1 34.67	+12 9.8	4.080	5.064	1.7	21.1
11 7	1 30.03	+11 36.9	4.130	5.074	3.8	21.3
11 17	1 26.09	+11 7.0	4.209	5.084	5.7	21.4
11 27	1 23.12	+10 42.1	4.315	5.093	7.4	21.5

228152 2009 SL_{44} 10 19.8 124°.71 2°.0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.03	+18 19.1	1.663	2.515	15.0	20.7
9 28	1 57.99	+17 48.9	1.601	2.524	11.1	20.5
10 8	1 49.85	+17 1.0	1.563	2.534	6.8	20.3
10 18	1 40.50	+15 58.7	1.550	2.542	2.6	20.1
10 28	1 31.11	+14 48.1	1.566	2.551	3.7	20.2
11 7	1 22.85	+13 37.4	1.609	2.559	8.0	20.4
11 17	1 16.61	+12 34.2	1.678	2.566	12.0	20.7
11 27	1 12.93	+11 44.5	1.769	2.574	15.4	20.9

239676 2008 YM_{32} 10 19.8 357°.90 5°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.54	− 1 22.6	1.098	2.006	16.7	17.9
9 28	1 57.65	− 1 35.1	1.047	2.000	12.2	17.6
10 8	1 49.95	− 1 43.2	1.016	1.996	7.8	17.4
10 18	1 40.53	− 1 40.1	1.008	1.994	5.7	17.3
10 28	1 30.97	− 1 19.6	1.023	1.993	8.5	17.4
11 7	1 22.84	− 0 38.9	1.061	1.995	13.1	17.7
11 17	1 17.30	+ 0 21.7	1.120	1.997	17.5	18.0
11 27	1 15.02	+ 1 40.0	1.196	2.002	21.2	18.2

269865 2000 ER_{52} 10 19.8 216°.14 0°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.64	+11 32.2	1.780	2.649	13.4	22.1
9 28	1 57.70	+10 53.3	1.707	2.643	9.6	21.9
10 8	1 49.72	+10 3.2	1.657	2.637	5.3	21.6
10 18	1 40.49	+ 9 5.9	1.635	2.631	0.8	21.3
10 28	1 31.08	+ 8 7.7	1.641	2.624	4.0	21.5
11 7	1 22.58	+ 7 15.4	1.675	2.616	8.5	21.8
11 17	1 15.90	+ 6 34.7	1.735	2.608	12.5	22.0
11 27	1 11.65	+ 6 9.5	1.816	2.600	15.9	22.2

60990 2000 KU_{22} 10 19.8 239°.20 1°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.81	+15 46.4	1.891	2.745	13.3	19.9
9 28	1 57.86	+15 18.5	1.805	2.732	9.9	19.6
10 8	1 49.85	+14 36.0	1.743	2.717	5.9	19.3
10 18	1 40.52	+13 41.7	1.708	2.702	1.7	19.0
10 28	1 30.91	+12 40.6	1.702	2.687	3.5	19.1
11 7	1 22.10	+11 39.6	1.724	2.671	7.9	19.4
11 17	1 15.02	+10 45.3	1.773	2.654	11.9	19.6
11 27	1 10.35	+10 3.4	1.844	2.637	15.3	19.8

237891 2002 LN_{62} 10 19.8 86°.67 7°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.67	− 8 35.6	1.765	2.647	12.8	20.4
9 28	1 57.40	− 9 40.1	1.730	2.661	9.9	20.3
10 8	1 49.37	−10 35.2	1.720	2.675	7.8	20.2
10 18	1 40.41	−11 14.0	1.735	2.689	7.6	20.2
10 28	1 31.59	−11 31.1	1.777	2.703	9.4	20.3
11 7	1 23.87	−11 24.5	1.844	2.717	12.0	20.5
11 17	1 17.99	−10 54.9	1.933	2.731	14.6	20.7
11 27	1 14.39	−10 5.0	2.041	2.744	16.8	20.9

35555 1998 FC_{120} 10 19.8 339°.10 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.98	+ 9 38.1	1.905	2.779	12.4	18.7
9 28	1 55.64	+ 9 12.6	1.838	2.777	8.8	18.4
10 8	1 48.51	+ 8 39.1	1.794	2.775	4.9	18.2
10 18	1 40.30	+ 8 1.5	1.778	2.774	0.9	17.9
10 28	1 31.98	+ 7 24.6	1.790	2.772	3.9	18.1
11 7	1 24.49	+ 6 53.8	1.830	2.771	7.9	18.4
11 17	1 18.63	+ 6 33.1	1.896	2.769	11.6	18.6
11 27	1 14.96	+ 6 25.5	1.983	2.768	14.7	18.8

246535 2008 MN_{5} 10 19.8 29°.96 1°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 9.25	+ 5 30.3	1.632	2.506	14.1	18.7
9 28	2 1.55	+ 6 9.5	1.585	2.524	10.0	18.5
10 8	1 51.75	+ 6 46.2	1.563	2.544	5.5	18.2
10 18	1 40.80	+ 7 21.7	1.568	2.564	1.2	18.0
10 28	1 29.94	+ 7 57.6	1.603	2.585	4.2	18.3
11 7	1 20.35	+ 8 36.0	1.665	2.606	8.5	18.6
11 17	1 12.91	+ 9 18.3	1.754	2.629	12.3	18.9
11 27	1 8.15	+10 6.1	1.864	2.652	15.4	19.1

309756 2008 WO_{121} 10 19.8 25°.32 8°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.60	+32 13.9	1.432	2.237	19.4	19.6
9 28	1 57.61	+32 40.9	1.370	2.243	16.1	19.4
10 8	1 49.91	+32 37.0	1.326	2.249	12.7	19.2
10 18	1 40.54	+31 59.8	1.303	2.256	9.7	19.1
10 28	1 30.99	+30 51.8	1.304	2.264	8.6	19.0
11 7	1 22.78	+29 22.1	1.330	2.272	10.1	19.2
11 17	1 17.07	+27 42.5	1.379	2.281	13.1	19.4
11 27	1 14.53	+26 5.4	1.451	2.291	16.3	19.6

337259 2000 SD_{175} 10 19.8 338°.87 4°.8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.02	+22 35.5	1.198	2.065	18.6	19.7
9 28	1 53.92	+22 32.1	1.123	2.048	14.6	19.4
10 8	1 48.04	+22 1.3	1.067	2.033	10.0	19.1
10 18	1 40.28	+21 3.5	1.032	2.018	5.7	18.9
10 28	1 32.07	+19 44.0	1.022	2.005	5.5	18.8
11 7	1 25.01	+18 14.0	1.034	1.994	9.9	19.0
11 17	1 20.40	+16 45.9	1.069	1.984	14.8	19.3
11 27	1 19.06	+15 31.3	1.124	1.975	19.2	19.5

517101 2013 EM_{3} 10 19.8 225°.67 0°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.70	+12 13.5	2.274	3.128	11.4	21.9
9 28	1 58.15	+12 15.8	2.192	3.120	8.3	21.7
10 8	1 49.89	+12 10.4	2.136	3.112	4.8	21.4
10 18	1 40.54	+11 58.7	2.108	3.103	1.0	21.1
10 28	1 30.98	+11 43.8	2.111	3.095	3.1	21.3
11 7	1 22.11	+11 29.4	2.143	3.085	6.8	21.5
11 17	1 14.71	+11 19.0	2.202	3.076	10.2	21.7
11 27	1 9.36	+11 16.0	2.285	3.066	13.1	21.9

114001 2002 UT_{33} 10 19.8 32.°82 0.°2/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.30	+12 49.2	1.673	2.546	13.9	19.5
9 28	1 56.03	+12 23.7	1.613	2.550	10.0	19.3
10 8	1 48.77	+11 46.3	1.576	2.555	5.6	19.1
10 18	1 40.36	+11 1.0	1.564	2.560	1.0	18.8
10 28	1 31.86	+10 13.5	1.581	2.566	3.8	19.0
11 7	1 24.38	+ 9 30.3	1.624	2.571	8.2	19.3
11 17	1 18.76	+ 8 56.7	1.693	2.577	12.1	19.5
11 27	1 15.55	+ 8 36.9	1.783	2.584	15.4	19.8

477530 2010 EU_{87} 10 19.8 171.°33 1.°5/18.6 18

9 18	2 5.46	+ 6 23.9	2.240	3.105	11.1	21.5
9 28	1 58.56	+ 6 9.6	2.173	3.109	7.9	21.3
10 8	1 50.03	+ 5 51.3	2.132	3.112	4.4	21.1
10 18	1 40.55	+ 5 32.2	2.120	3.114	1.5	20.9
10 28	1 31.00	+ 5 15.8	2.138	3.116	3.9	21.1
11 7	1 22.25	+ 5 5.7	2.186	3.117	7.4	21.3
11 17	1 15.02	+ 5 4.6	2.261	3.118	10.7	21.5
11 27	1 9.82	+ 5 14.2	2.359	3.118	13.3	21.7

303146 2004 DH_{52} 10 19.8 265.°85 1.°9/18.1 18

9 18	2 1.72	+ 6 29.7	1.983	2.860	11.8	20.7
9 28	1 56.19	+ 5 54.1	1.905	2.846	8.4	20.5
10 8	1 48.86	+ 5 12.7	1.851	2.833	4.7	20.2
10 18	1 40.38	+ 4 29.8	1.826	2.819	1.9	20.0
10 28	1 31.69	+ 3 50.7	1.828	2.805	4.6	20.2
11 7	1 23.74	+ 3 20.7	1.859	2.791	8.5	20.4
11 17	1 17.36	+ 3 3.4	1.915	2.776	12.1	20.6
11 27	1 13.13	+ 3 1.3	1.993	2.762	15.2	20.7

379576 2011 BP_{45} 10 19.8 288.°26 1.°4/20.8 18

9 18	2 4.76	+14 40.7	1.432	2.302	15.9	21.3
9 28	1 59.13	+14 38.0	1.352	2.286	11.8	21.0
10 8	1 50.84	+14 20.4	1.293	2.270	7.0	20.7
10 18	1 40.73	+13 49.6	1.259	2.253	2.1	20.3
10 28	1 30.14	+13 10.7	1.251	2.237	4.3	20.4
11 7	1 20.56	+12 30.9	1.270	2.221	9.5	20.7
11 17	1 13.22	+11 57.6	1.312	2.205	14.4	20.9
11 27	1 8.96	+11 37.2	1.375	2.189	18.5	21.1

513148 2003 GW_{37} 10 19.8 178.°81 0.°9/20.8 18

9 18	2 5.24	+13 58.2	2.906	3.743	9.7	22.8
9 28	1 58.18	+14 4.9	2.827	3.745	7.1	22.6
10 8	1 49.76	+14 4.3	2.775	3.746	4.2	22.5
10 18	1 40.52	+13 57.5	2.753	3.747	1.3	22.2
10 28	1 31.16	+13 46.6	2.763	3.747	2.5	22.3
11 7	1 22.40	+13 34.5	2.805	3.746	5.5	22.6
11 17	1 14.85	+13 23.9	2.876	3.745	8.2	22.7
11 27	1 8.98	+13 18.0	2.972	3.743	10.6	22.9

521688 2015 RH_{262} 10 19.8 53.°59 2.°0/21.6 18

9 18	2 1.69	+17 38.4	1.800	2.654	13.9	21.5
9 28	1 56.25	+17 24.3	1.736	2.660	10.4	21.3
10 8	1 48.89	+16 55.1	1.696	2.666	6.4	21.1
10 18	1 40.39	+16 13.1	1.681	2.673	2.6	20.8
10 28	1 31.81	+15 23.3	1.694	2.679	3.5	20.9
11 7	1 24.20	+14 32.0	1.735	2.686	7.4	21.2
11 17	1 18.38	+13 45.5	1.802	2.693	11.2	21.4
11 27	1 14.92	+13 9.2	1.892	2.700	14.4	21.7

81613 2000 HE_{69} 10 19.8 107.°73 2.°2/17.8 18

9 18	2 0.77	+ 6 27.5	1.946	2.826	11.9	19.4
9 28	1 55.36	+ 5 36.5	1.889	2.832	8.4	19.2
10 8	1 48.29	+ 4 40.0	1.857	2.838	4.7	19.0
10 18	1 40.29	+ 3 43.2	1.852	2.844	2.2	18.9
10 28	1 32.26	+ 2 52.1	1.876	2.851	4.8	19.0
11 7	1 25.11	+ 2 12.0	1.928	2.857	8.4	19.3
11 17	1 19.54	+ 1 46.4	2.005	2.862	11.8	19.5
11 27	1 16.06	+ 1 37.1	2.103	2.868	14.6	19.7

220708 2004 RL_{345} 10 19.8 215.°94 3.°0/22.7 18

9 18	2 1.85	+20 47.2	2.240	3.070	12.4	20.2
9 28	1 56.18	+20 51.9	2.163	3.069	9.5	20.0
10 8	1 48.80	+20 42.5	2.109	3.068	6.3	19.8
10 18	1 40.39	+20 19.8	2.083	3.067	3.5	19.7
10 28	1 31.81	+19 46.4	2.086	3.066	3.6	19.7
11 7	1 23.97	+19 6.9	2.117	3.065	6.5	19.9
11 17	1 17.62	+18 26.8	2.175	3.064	9.6	20.1
11 27	1 13.34	+17 51.1	2.258	3.062	12.5	20.2

221740 2007 EX_{129} 10 19.8 212.°52 2.°2/17.5 18

9 18	1 58.56	+ 6 19.6	2.191	3.069	10.8	20.1
9 28	1 53.70	+ 5 20.7	2.125	3.068	7.6	19.9
10 8	1 47.35	+ 4 16.5	2.086	3.067	4.3	19.7
10 18	1 40.15	+ 3 11.7	2.075	3.066	2.2	19.6
10 28	1 32.88	+ 2 12.3	2.092	3.065	4.6	19.7
11 7	1 26.32	+ 1 23.3	2.139	3.064	7.9	19.9
11 17	1 21.13	+ 0 48.6	2.210	3.063	11.0	20.1
11 27	1 17.78	+ 0 30.0	2.305	3.062	13.7	20.3

332927 2011 CA_{48} 10 19.8 246.°99 2.°0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.52	+ 4 45.0	2.567	3.440	9.6	21.6
9 28	1 54.26	+ 4 10.5	2.489	3.429	6.8	21.4
10 8	1 47.64	+ 3 32.7	2.438	3.418	3.9	21.2
10 18	1 40.20	+ 2 55.2	2.415	3.407	2.0	21.0
10 28	1 32.63	+ 2 22.2	2.423	3.395	4.1	21.1
11 7	1 25.63	+ 1 57.2	2.459	3.383	7.1	21.3
11 17	1 19.81	+ 1 43.0	2.522	3.371	10.0	21.5
11 27	1 15.64	+ 1 41.3	2.608	3.358	12.4	21.7

156203 2001 UQ_{43} 10 19.8 14.°97 1.°0/19.3 18

9 18	2 5.06	+ 8 29.6	1.283	2.172	16.2	19.4
9 28	1 59.19	+ 8 28.4	1.228	2.174	11.6	19.1
10 8	1 50.73	+ 8 19.2	1.194	2.177	6.4	18.9
10 18	1 40.70	+ 8 5.7	1.185	2.181	1.2	18.5
10 28	1 30.55	+ 7 53.4	1.202	2.185	5.0	18.8
11 7	1 21.72	+ 7 48.0	1.243	2.190	10.2	19.1
11 17	1 15.33	+ 7 53.6	1.308	2.196	14.8	19.4
11 27	1 12.02	+ 8 13.0	1.392	2.202	18.5	19.7

352913 2008 YW_{138} 10 19.8 325.°02 5.°3/15.3 18

9 18	2 0.65	− 0 51.9	1.669	2.561	12.8	20.3
9 28	1 55.55	− 2 3.8	1.613	2.558	9.4	20.1
10 8	1 48.51	− 3 15.6	1.581	2.555	6.3	19.9
10 18	1 40.34	− 4 19.4	1.575	2.553	5.4	19.9
10 28	1 32.09	− 5 7.8	1.596	2.550	7.8	20.0
11 7	1 24.79	− 5 35.4	1.642	2.548	11.3	20.2
11 17	1 19.29	− 5 40.2	1.712	2.546	14.6	20.4
11 27	1 16.14	− 5 22.5	1.800	2.544	17.4	20.6

319479 2006 PC_{30} 10 19.8 72.°37 3.°0/22.0 15

9 18	2 7.12	+19 29.8	1.293	2.152	18.0	21.1
9 28	2 0.48	+19 15.4	1.251	2.175	13.4	20.9
10 8	1 51.29	+18 39.5	1.229	2.199	8.4	20.6
10 18	1 40.77	+17 45.2	1.232	2.222	3.8	20.4
10 28	1 30.43	+16 39.8	1.261	2.245	4.5	20.6
11 7	1 21.69	+15 32.9	1.315	2.268	9.0	20.9
11 17	1 15.53	+14 33.5	1.394	2.291	13.4	21.2
11 27	1 12.46	+13 48.4	1.494	2.314	17.0	21.5

25107 1998 RL_{54} 10 19.9 336.°98 3.°0/22.4 18

9 18	1 59.31	+19 51.3	1.819	2.668	14.0	18.0
9 28	1 54.72	+19 48.4	1.740	2.658	10.7	17.8
10 8	1 48.15	+19 29.0	1.683	2.649	7.0	17.6
10 18	1 40.31	+18 54.3	1.652	2.640	3.6	17.3
10 28	1 32.22	+18 8.0	1.648	2.632	3.9	17.3
11 7	1 24.96	+17 16.3	1.671	2.624	7.5	17.6
11 17	1 19.41	+16 26.0	1.720	2.617	11.3	17.8
11 27	1 16.22	+15 43.6	1.791	2.610	14.6	18.0

440898 2006 UQ_{224} 10 19.9 34.°30 2.°9/22.6 15

9 18	1 58.56	+22 8.0	1.473	2.327	16.4	20.6
9 28	1 54.24	+21 13.7	1.421	2.342	12.4	20.4
10 8	1 47.81	+19 55.6	1.390	2.357	8.0	20.1
10 18	1 40.23	+18 18.5	1.384	2.373	3.7	19.9
10 28	1 32.71	+16 31.0	1.405	2.390	4.0	20.0
11 7	1 26.40	+14 44.2	1.452	2.407	8.1	20.3
11 17	1 22.12	+13 7.9	1.525	2.425	12.2	20.6
11 27	1 20.38	+11 49.5	1.620	2.444	15.7	20.8

346105 2007 VN_{66} 10 19.9 7.°86 11.°0/11.8 18

9 18	2 1.98	−14 22.5	1.401	2.287	15.2	19.4
9 28	1 56.69	−15 38.8	1.365	2.288	12.7	19.2
10 8	1 49.19	−16 38.1	1.351	2.290	11.1	19.1
10 18	1 40.45	−17 10.8	1.359	2.292	11.3	19.2
10 28	1 31.77	−17 10.7	1.390	2.296	13.1	19.3
11 7	1 24.37	−16 36.8	1.443	2.300	15.7	19.5
11 17	1 19.13	−15 32.1	1.515	2.304	18.3	19.7
11 27	1 16.57	−14 2.2	1.604	2.310	20.6	19.9

48087 2001 FZ_{41} 10 19.9 75.°38 0.°1/19.9 18

9 18	2 3.53	+12 34.5	1.719	2.587	13.8	19.4
9 28	1 57.45	+12 8.9	1.669	2.605	9.9	19.2
10 8	1 49.49	+11 32.4	1.644	2.623	5.5	19.0
10 18	1 40.51	+10 49.0	1.645	2.641	0.9	18.7
10 28	1 31.59	+10 4.1	1.674	2.659	3.7	19.0
11 7	1 23.77	+ 9 23.9	1.731	2.677	7.9	19.3
11 17	1 17.85	+ 8 53.3	1.814	2.694	11.7	19.6
11 27	1 14.32	+ 8 35.7	1.919	2.712	14.8	19.8

243334 2008 TY_{109} 10 19.9 20.°94 1.°9/16.3 18

9 18	1 52.58	+ 1 11.8	4.299	5.174	6.0	20.6
9 28	1 48.89	+ 0 37.6	4.235	5.175	4.3	20.5
10 8	1 44.50	+ 0 3.2	4.199	5.175	2.6	20.4
10 18	1 39.72	− 0 29.1	4.192	5.175	2.0	20.3
10 28	1 34.91	− 0 57.1	4.216	5.176	3.1	20.4
11 7	1 30.42	− 1 18.7	4.269	5.177	4.8	20.5
11 17	1 26.57	− 1 32.6	4.349	5.177	6.5	20.7
11 27	1 23.63	− 1 37.8	4.454	5.178	8.0	20.8

97366 2000 AZ_{47} 10 19.9 124°.00 4°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.10	− 1 17.9	2.250	3.128	10.6	19.8
9 28	1 56.03	− 2 17.7	2.206	3.144	7.7	19.7
10 8	1 48.56	− 3 15.8	2.188	3.160	5.1	19.5
10 18	1 40.36	− 4 6.8	2.199	3.175	4.3	19.5
10 28	1 32.22	− 4 45.9	2.238	3.189	6.2	19.6
11 7	1 24.91	− 5 9.6	2.306	3.204	8.9	19.8
11 17	1 19.05	− 5 16.5	2.399	3.217	11.5	20.0
11 27	1 15.05	− 5 6.7	2.513	3.230	13.7	20.2

483642 2004 VJ_{74} 10 19.9 34°.47 8°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.25	−15 51.4	1.923	2.784	12.9	19.5
9 28	1 59.18	−16 20.9	1.884	2.791	10.6	19.4
10 8	1 50.36	−16 35.2	1.868	2.799	9.1	19.3
10 18	1 40.64	−16 28.8	1.879	2.807	9.0	19.3
10 28	1 31.06	−15 58.4	1.915	2.816	10.4	19.4
11 7	1 22.58	−15 4.2	1.976	2.825	12.5	19.6
11 17	1 15.95	−13 48.9	2.061	2.834	14.7	19.8
11 27	1 11.60	−12 16.5	2.165	2.843	16.6	19.9

221018 2005 PV_{14} 10 19.9 11°.30 0°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.19	+11 53.9	0.956	1.861	18.9	19.0
9 28	1 56.23	+11 53.9	0.911	1.864	13.7	18.7
10 8	1 49.27	+11 38.8	0.885	1.869	7.8	18.4
10 18	1 40.50	+11 12.9	0.880	1.876	1.4	18.1
10 28	1 31.65	+10 43.8	0.898	1.885	5.1	18.4
11 7	1 24.41	+10 19.9	0.938	1.895	11.0	18.7
11 17	1 19.98	+10 8.1	0.999	1.908	16.2	19.1
11 27	1 18.98	+10 12.7	1.077	1.921	20.4	19.4

161333 2003 QR_{99} 10 19.9 10°.10 2°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 58.36	+ 8 24.1	1.141	2.045	16.5	19.2
9 28	1 54.51	+ 7 41.4	1.094	2.048	11.7	19.0
10 8	1 48.16	+ 6 48.3	1.067	2.052	6.4	18.7
10 18	1 40.32	+ 5 52.1	1.063	2.058	2.1	18.4
10 28	1 32.44	+ 5 1.8	1.084	2.065	5.9	18.7
11 7	1 25.88	+ 4 25.6	1.127	2.074	11.0	19.0
11 17	1 21.68	+ 4 8.7	1.193	2.084	15.6	19.3
11 27	1 20.43	+ 4 13.1	1.277	2.095	19.4	19.6

106233 2000 UP_{43} 10 19.9 44°.18 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.19	+11 53.5	1.003	1.900	18.9	18.9
9 28	1 58.70	+11 14.6	0.970	1.920	13.5	18.6
10 8	1 50.41	+10 20.5	0.957	1.941	7.4	18.4
10 18	1 40.66	+ 9 18.5	0.967	1.963	1.1	18.1
10 28	1 31.17	+ 8 18.7	1.000	1.985	5.3	18.4
11 7	1 23.48	+ 7 30.8	1.058	2.009	11.0	18.8
11 17	1 18.60	+ 7 1.0	1.136	2.032	15.8	19.2
11 27	1 16.99	+ 6 52.3	1.233	2.056	19.7	19.5

448032 2008 EO_{59} 10 19.9 200°.91 4°.4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.40	+24 10.0	2.272	3.081	12.9	22.0
9 28	1 58.82	+24 38.8	2.191	3.079	10.2	21.8
10 8	1 50.36	+24 52.3	2.133	3.077	7.4	21.6
10 18	1 40.70	+24 49.6	2.103	3.075	4.9	21.5
10 28	1 30.78	+24 32.0	2.101	3.072	4.7	21.5
11 7	1 21.62	+24 3.6	2.127	3.069	6.9	21.6
11 17	1 14.05	+23 29.5	2.182	3.066	9.8	21.8
11 27	1 8.69	+22 55.8	2.260	3.063	12.5	21.9

260494 2005 EW_{4} 10 19.9 148°.52 3°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.20	+ 4 4.1	1.659	2.542	13.4	20.3
9 28	1 58.02	+ 2 49.1	1.606	2.550	9.5	20.1
10 8	1 49.87	+ 1 29.5	1.578	2.558	5.6	19.9
10 18	1 40.60	+ 0 13.0	1.577	2.565	3.7	19.8
10 28	1 31.35	− 0 52.5	1.604	2.571	6.5	20.0
11 7	1 23.18	− 1 40.6	1.659	2.577	10.3	20.2
11 17	1 16.95	− 2 7.8	1.737	2.582	13.9	20.5
11 27	1 13.16	− 2 13.4	1.835	2.587	16.9	20.7

171270 2006 DP_{192} 10 19.9 83°.38 1°.9/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 8.13	+ 7 44.8	1.283	2.168	16.4	20.1
9 28	2 1.13	+ 7 12.5	1.242	2.187	11.6	19.9
10 8	1 51.66	+ 6 32.4	1.224	2.206	6.4	19.6
10 18	1 40.88	+ 5 50.4	1.230	2.225	2.0	19.4
10 28	1 30.28	+ 5 13.9	1.264	2.244	5.5	19.7
11 7	1 21.24	+ 4 49.2	1.322	2.262	10.4	20.0
11 17	1 14.73	+ 4 40.3	1.405	2.281	14.7	20.4
11 27	1 11.25	+ 4 49.0	1.507	2.298	18.2	20.6

159520 2001 FM_{66} 10 19.9 236°.52 1°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.29	+ 5 56.9	2.457	3.331	10.0	20.4
9 28	1 54.15	+ 5 15.7	2.383	3.323	7.1	20.2
10 8	1 47.63	+ 4 30.1	2.335	3.315	4.0	20.0
10 18	1 40.26	+ 3 44.0	2.315	3.307	1.9	19.8
10 28	1 32.78	+ 3 1.8	2.325	3.299	4.1	20.0
11 7	1 25.92	+ 2 27.8	2.364	3.291	7.2	20.2
11 17	1 20.28	+ 2 5.0	2.430	3.282	10.2	20.4
11 27	1 16.36	+ 1 55.5	2.518	3.273	12.7	20.5

453001 2007 HW_{95} 10 19.9 180°.43 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 59.80	+ 5 41.2	2.879	3.746	8.9	22.6
9 28	1 54.29	+ 5 9.1	2.810	3.747	6.3	22.4
10 8	1 47.62	+ 4 33.8	2.767	3.747	3.5	22.2
10 18	1 40.26	+ 3 58.5	2.755	3.747	1.6	22.1
10 28	1 32.85	+ 3 26.5	2.773	3.747	3.5	22.2
11 7	1 25.99	+ 3 1.1	2.821	3.746	6.3	22.4
11 17	1 20.22	+ 2 44.8	2.897	3.745	8.8	22.6
11 27	1 15.95	+ 2 39.1	2.996	3.743	11.0	22.7

233383 Assisneto 10 19.9 96°.57 2°.1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.59	+17 41.6	1.816	2.663	14.1	21.5
9 28	1 58.93	+17 34.3	1.762	2.682	10.5	21.3
10 8	1 50.34	+17 12.3	1.731	2.700	6.5	21.1
10 18	1 40.69	+16 37.8	1.728	2.719	2.7	20.9
10 28	1 31.08	+15 55.2	1.752	2.737	3.5	21.0
11 7	1 22.56	+15 10.8	1.806	2.754	7.4	21.3
11 17	1 15.97	+14 30.3	1.885	2.772	11.0	21.6
11 27	1 11.81	+13 59.1	1.988	2.788	14.1	21.8

104088 2000 EZ_{32} 10 19.9 280°.01 1°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.93	+ 8 56.6	1.828	2.703	12.7	20.0
9 28	1 56.41	+ 8 25.5	1.760	2.701	9.1	19.8
10 8	1 49.02	+ 7 46.5	1.718	2.699	5.0	19.6
10 18	1 40.49	+ 7 3.9	1.702	2.697	1.2	19.3
10 28	1 31.84	+ 6 23.1	1.714	2.695	4.2	19.5
11 7	1 24.07	+ 5 49.7	1.754	2.693	8.4	19.8
11 17	1 18.01	+ 5 28.0	1.819	2.691	12.1	20.0
11 27	1 14.24	+ 5 20.8	1.906	2.689	15.3	20.2

510109 2010 RR_{101} 10 19.9 341°.03 1°.9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.26	+15 25.5	1.022	1.916	18.9	20.8
9 28	1 56.49	+15 20.4	0.959	1.904	14.1	20.5
10 8	1 49.61	+14 54.8	0.914	1.894	8.5	20.2
10 18	1 40.63	+14 11.5	0.890	1.885	2.7	19.8
10 28	1 31.23	+13 17.8	0.889	1.877	5.0	19.9
11 7	1 23.20	+12 24.3	0.911	1.870	11.0	20.2
11 17	1 17.95	+11 41.2	0.954	1.864	16.6	20.5
11 27	1 16.31	+11 16.1	1.014	1.860	21.3	20.8

47801 2000 EF_{55} 10 19.9 264°.36 3°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.34	+ 2 31.5	2.456	3.337	9.7	18.5
9 28	1 52.78	+ 1 18.8	2.382	3.325	6.9	18.3
10 8	1 46.87	+ 0 2.9	2.335	3.313	4.3	18.1
10 18	1 40.16	− 1 10.8	2.317	3.301	3.3	18.0
10 28	1 33.32	− 2 16.7	2.328	3.288	5.3	18.2
11 7	1 27.06	− 3 9.9	2.368	3.276	8.2	18.3
11 17	1 21.98	− 3 47.2	2.433	3.263	10.9	18.5
11 27	1 18.55	− 4 6.9	2.520	3.250	13.3	18.6

121808 2000 AN_{189} 10 19.9 320°.93 9°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.97	−12 47.7	1.821	2.705	12.4	18.7
9 28	1 53.65	−14 27.1	1.765	2.688	10.3	18.5
10 8	1 47.52	−15 56.5	1.734	2.671	9.2	18.4
10 18	1 40.27	−17 7.0	1.727	2.654	9.7	18.4
10 28	1 32.86	−17 51.0	1.744	2.638	11.6	18.5
11 7	1 26.26	−18 4.8	1.784	2.623	14.0	18.7
11 17	1 21.26	−17 48.5	1.845	2.607	16.5	18.8
11 27	1 18.46	−17 4.6	1.922	2.593	18.6	18.9

305870 2009 EQ_{30} 10 19.9 202°.99 2°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.96	+ 6 20.1	2.081	2.959	11.3	20.9
9 28	1 54.80	+ 5 15.6	2.014	2.956	8.0	20.7
10 8	1 48.04	+ 4 5.0	1.973	2.954	4.5	20.5
10 18	1 40.35	+ 2 53.8	1.960	2.951	2.4	20.4
10 28	1 32.57	+ 1 48.4	1.976	2.949	4.9	20.5
11 7	1 25.55	+ 0 54.4	2.021	2.946	8.4	20.8
11 17	1 20.00	+ 0 16.0	2.091	2.942	11.6	21.0
11 27	1 16.42	− 0 4.9	2.183	2.939	14.4	21.1

289667 2005 GF_{133} 10 19.9 352°.91 2°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.18	+ 6 39.8	1.655	2.540	13.3	20.1
9 28	1 56.00	+ 5 58.3	1.593	2.539	9.5	19.9
10 8	1 48.84	+ 5 10.4	1.555	2.538	5.3	19.6
10 18	1 40.48	+ 4 21.3	1.543	2.537	2.2	19.4
10 28	1 32.02	+ 3 37.7	1.559	2.536	5.2	19.6
11 7	1 24.52	+ 3 5.4	1.601	2.535	9.4	19.9
11 17	1 18.85	+ 2 48.5	1.667	2.535	13.2	20.1
11 27	1 15.59	+ 2 48.9	1.754	2.535	16.4	20.3

469749 2005 PD_{6} 10 19.9 35°.62 1°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.36	+ 8 53.9	1.080	1.981	17.5	20.9
9 28	1 57.32	+ 8 9.7	1.045	1.997	12.4	20.6
10 8	1 49.66	+ 7 14.9	1.029	2.014	6.7	20.4
10 18	1 40.60	+ 6 17.3	1.037	2.032	1.9	20.2
10 28	1 31.70	+ 5 26.2	1.069	2.051	5.8	20.5
11 7	1 24.40	+ 4 49.7	1.125	2.071	11.1	20.8
11 17	1 19.69	+ 4 32.5	1.202	2.091	15.7	21.2
11 27	1 18.05	+ 4 36.3	1.298	2.112	19.4	21.5

212194 2005 GK_{105} 10 19.9 340°.02 1°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.63	+ 9 6.8	1.476	2.367	14.3	19.9
9 28	1 54.43	+ 8 9.3	1.410	2.358	10.2	19.7
10 8	1 48.06	+ 7 0.7	1.367	2.351	5.6	19.4
10 18	1 40.37	+ 5 47.3	1.350	2.344	1.9	19.1
10 28	1 32.49	+ 4 37.6	1.358	2.338	5.3	19.3
11 7	1 25.61	+ 3 40.0	1.393	2.333	10.0	19.6
11 17	1 20.67	+ 3 0.4	1.450	2.328	14.2	19.8
11 27	1 18.29	+ 2 42.1	1.528	2.324	17.8	20.1

328005 2007 HP_{34} 10 19.9 248°.18 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.80	+11 51.7	2.356	3.218	10.8	21.8
9 28	1 54.61	+11 23.7	2.277	3.210	7.8	21.6
10 8	1 47.94	+10 47.2	2.224	3.203	4.3	21.3
10 18	1 40.35	+10 5.2	2.199	3.195	0.7	21.1
10 28	1 32.62	+ 9 21.7	2.203	3.187	3.1	21.2
11 7	1 25.52	+ 8 41.4	2.237	3.178	6.6	21.5
11 17	1 19.74	+ 8 8.5	2.297	3.170	9.9	21.7
11 27	1 15.78	+ 7 46.2	2.381	3.162	12.6	21.8

509437 2007 EG_{167} 10 19.9 210°.57 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.73	+11 47.7	1.850	2.714	13.1	22.3
9 28	1 58.48	+11 22.7	1.775	2.709	9.5	22.0
10 8	1 50.23	+10 47.3	1.725	2.704	5.3	21.8
10 18	1 40.73	+10 4.8	1.702	2.698	0.8	21.4
10 28	1 31.04	+ 9 20.3	1.708	2.692	3.8	21.7
11 7	1 22.24	+ 8 39.8	1.743	2.685	8.1	21.9
11 17	1 15.22	+ 8 8.6	1.803	2.678	12.0	22.1
11 27	1 10.60	+ 7 50.4	1.885	2.670	15.3	22.4

103989 2000 DC_{94} 10 19.9 355°.95 0°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.32	+ 9 10.5	4.106	4.967	6.6	19.0
9 28	1 49.48	+ 8 49.6	4.032	4.967	4.6	18.9
10 8	1 44.89	+ 8 25.2	3.987	4.966	2.5	18.8
10 18	1 39.86	+ 7 59.1	3.970	4.966	0.5	18.6
10 28	1 34.78	+ 7 33.5	3.984	4.965	2.0	18.7
11 7	1 30.04	+ 7 10.6	4.029	4.965	4.2	18.9
11 17	1 25.99	+ 6 52.3	4.102	4.965	6.1	19.0
11 27	1 22.91	+ 6 40.1	4.200	4.965	7.8	19.2

75147 1999 VD_{95} 10 19.9 343°.22 0°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.15	+ 9 35.9	1.196	2.087	16.9	19.5
9 28	1 58.86	+ 9 27.9	1.134	2.081	12.2	19.2
10 8	1 50.75	+ 9 9.4	1.093	2.076	6.8	18.9
10 18	1 40.83	+ 8 44.5	1.075	2.071	1.1	18.5
10 28	1 30.64	+ 8 19.7	1.083	2.067	5.1	18.8
11 7	1 21.75	+ 8 1.9	1.115	2.064	10.8	19.1
11 17	1 15.39	+ 7 56.8	1.169	2.062	15.7	19.4
11 27	1 12.32	+ 8 8.0	1.241	2.060	19.9	19.6

35494 1998 FZ_{31} 10 19.9 175°.11 5°.2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.95	+25 13.8	1.999	2.807	14.5	18.9
9 28	2 0.87	+25 47.8	1.923	2.809	11.6	18.7
10 8	1 51.61	+26 3.9	1.869	2.810	8.4	18.5
10 18	1 40.96	+26 0.6	1.842	2.811	5.8	18.3
10 28	1 30.04	+25 39.2	1.842	2.812	5.5	18.3
11 7	1 20.04	+25 4.3	1.871	2.812	7.8	18.5
11 17	1 11.92	+24 22.6	1.926	2.812	10.9	18.6
11 27	1 6.38	+23 41.3	2.006	2.811	13.8	18.8

35671 1998 SN_{165} 10 19.9 298°.25 0°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 41.47	+ 9 17.9	36.435	37.294	0.8	21.3
9 28	1 40.73	+ 9 13.3	36.360	37.293	0.6	21.3
10 8	1 39.92	+ 9 8.4	36.313	37.292	0.3	21.2
10 18	1 39.07	+ 9 3.3	36.295	37.291	0.0	21.2
10 28	1 38.22	+ 8 58.2	36.308	37.290	0.2	21.2
11 7	1 37.39	+ 8 53.3	36.350	37.289	0.5	21.3
11 17	1 36.63	+ 8 48.8	36.422	37.288	0.7	21.3
11 27	1 35.95	+ 8 44.9	36.520	37.287	1.0	21.3

517031 2012 VZ_{91} 10 19.9 286°.45 0°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.16	+13 12.0	1.723	2.593	13.7	22.3
9 28	1 56.20	+12 30.7	1.635	2.572	10.0	22.1
10 8	1 49.10	+11 35.2	1.571	2.550	5.7	21.8
10 18	1 40.57	+10 29.1	1.532	2.528	0.9	21.4
10 28	1 31.69	+ 9 19.1	1.522	2.506	4.0	21.6
11 7	1 23.59	+ 8 12.9	1.539	2.484	8.7	21.8
11 17	1 17.27	+ 7 17.8	1.581	2.462	13.1	22.0
11 27	1 13.43	+ 6 39.2	1.645	2.440	16.8	22.2

479888 2014 HP_{16} 10 19.9 212°.67 0°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.05	+13 42.0	1.934	2.797	12.7	21.7
9 28	1 55.75	+12 57.2	1.861	2.794	9.2	21.5
10 8	1 48.66	+12 0.0	1.813	2.791	5.2	21.3
10 18	1 40.49	+10 54.3	1.793	2.788	0.9	20.9
10 28	1 32.19	+ 9 46.0	1.801	2.785	3.5	21.1
11 7	1 24.73	+ 8 42.0	1.837	2.781	7.6	21.4
11 17	1 18.89	+ 7 48.2	1.900	2.778	11.4	21.6
11 27	1 15.24	+ 7 9.0	1.985	2.774	14.5	21.8

40576 1999 RM_{133} 10 19.9 351°.02 1°.3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 58.39	+17 12.6	1.890	2.749	13.2	18.2
9 28	1 53.89	+16 28.5	1.819	2.746	9.7	18.0
10 8	1 47.64	+15 28.8	1.771	2.744	5.8	17.8
10 18	1 40.32	+14 17.1	1.749	2.743	1.9	17.5
10 28	1 32.89	+12 59.3	1.756	2.742	3.3	17.6
11 7	1 26.30	+11 43.0	1.791	2.741	7.3	17.9
11 17	1 21.32	+10 35.0	1.852	2.740	11.1	18.1
11 27	1 18.49	+ 9 40.8	1.935	2.740	14.3	18.3

69042 2002 XY_{51} 10 19.9 215°.88 2°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.28	+20 12.9	1.661	2.508	15.2	19.7
9 28	1 57.69	+19 48.8	1.587	2.505	11.6	19.5
10 8	1 49.88	+19 4.8	1.536	2.502	7.4	19.3
10 18	1 40.70	+18 3.2	1.510	2.499	3.5	19.0
10 28	1 31.32	+16 49.7	1.511	2.495	4.0	19.0
11 7	1 22.96	+15 32.4	1.540	2.492	8.1	19.3
11 17	1 16.59	+14 20.0	1.595	2.488	12.2	19.5
11 27	1 12.87	+13 20.0	1.671	2.483	15.8	19.8

186038 2001 RM_{115} 10 19.9 50°.72 2°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.68	+ 8 4.3	1.229	2.122	16.4	20.2
9 28	1 58.01	+ 7 13.1	1.193	2.142	11.5	19.9
10 8	1 49.96	+ 6 13.4	1.179	2.162	6.3	19.7
10 18	1 40.68	+ 5 12.6	1.189	2.183	2.2	19.5
10 28	1 31.60	+ 4 19.4	1.225	2.205	5.8	19.8
11 7	1 24.01	+ 3 41.1	1.286	2.226	10.6	20.2
11 17	1 18.82	+ 3 21.9	1.370	2.248	14.8	20.5
11 27	1 16.50	+ 3 23.0	1.473	2.271	18.3	20.8

513062 2017 WS_{17} 10 19.9 9°.04 0°.7/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.45	+13 47.6	0.861	1.768	20.2	20.2
9 28	1 56.00	+13 26.7	0.815	1.768	14.7	19.9
10 8	1 49.31	+12 44.8	0.787	1.771	8.5	19.6
10 18	1 40.62	+11 47.9	0.779	1.774	1.7	19.2
10 28	1 31.79	+10 46.3	0.793	1.780	5.3	19.5
11 7	1 24.68	+ 9 52.2	0.828	1.787	11.7	19.9
11 17	1 20.56	+ 9 15.0	0.882	1.795	17.3	20.2
11 27	1 20.11	+ 9 0.1	0.954	1.805	21.9	20.5

359732 2011 UG_{37} 10 19.9 342°.06 2°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.96	+ 6 8.6	1.737	2.620	12.9	20.7
9 28	1 56.53	+ 5 40.2	1.673	2.617	9.2	20.4
10 8	1 49.14	+ 5 6.6	1.632	2.614	5.1	20.2
10 18	1 40.59	+ 4 32.3	1.618	2.612	2.1	20.0
10 28	1 31.89	+ 4 2.9	1.632	2.610	4.9	20.2
11 7	1 24.13	+ 3 43.3	1.673	2.608	9.0	20.4
11 17	1 18.13	+ 3 37.1	1.738	2.606	12.8	20.6
11 27	1 14.49	+ 3 46.2	1.825	2.605	15.9	20.9

309872 2009 DB_{95} 10 19.9 58°.71 2°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.71	+ 5 9.0	1.756	2.640	12.8	20.2
9 28	1 56.21	+ 4 26.2	1.703	2.647	9.0	20.0
10 8	1 48.89	+ 3 39.2	1.674	2.655	5.1	19.8
10 18	1 40.54	+ 2 53.3	1.672	2.663	2.6	19.6
10 28	1 32.18	+ 2 14.5	1.697	2.672	5.3	19.8
11 7	1 24.80	+ 1 47.9	1.750	2.680	9.1	20.1
11 17	1 19.18	+ 1 36.5	1.828	2.688	12.6	20.3
11 27	1 15.82	+ 1 41.7	1.926	2.697	15.5	20.5

236678 2006 QY_{44} 10 19.9 5°.65 4°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.16	− 2 50.7	2.274	3.160	10.1	19.6
9 28	1 52.68	− 3 51.9	2.220	3.161	7.5	19.5
10 8	1 46.84	− 4 50.9	2.192	3.161	5.3	19.3
10 18	1 40.22	− 5 42.3	2.191	3.162	4.8	19.3
10 28	1 33.56	− 6 20.9	2.218	3.164	6.6	19.4
11 7	1 27.58	− 6 43.4	2.272	3.165	9.2	19.6
11 17	1 22.88	− 6 48.0	2.350	3.167	11.7	19.8
11 27	1 19.91	− 6 35.0	2.449	3.170	13.9	19.9

289670 2005 GF_{139} 10 19.9 286°.03 2°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.19	+ 7 9.4	1.774	2.655	12.8	20.9
9 28	1 56.08	+ 6 22.9	1.695	2.638	9.1	20.7
10 8	1 48.98	+ 5 28.5	1.639	2.621	5.1	20.4
10 18	1 40.59	+ 4 31.3	1.611	2.604	2.1	20.2
10 28	1 31.93	+ 3 38.0	1.610	2.587	5.1	20.3
11 7	1 24.05	+ 2 55.2	1.636	2.570	9.3	20.5
11 17	1 17.88	+ 2 27.5	1.687	2.553	13.2	20.7
11 27	1 14.06	+ 2 18.0	1.759	2.535	16.6	20.9

328679 2009 SG_{323} 10 19.9 74°.68 1°.0/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 8.29	+13 37.1	1.387	2.257	16.4	20.5
9 28	2 1.23	+13 33.6	1.343	2.278	11.9	20.2
10 8	1 51.77	+13 16.7	1.321	2.299	6.8	20.0
10 18	1 41.01	+12 49.3	1.325	2.320	1.7	19.8
10 28	1 30.38	+12 17.1	1.355	2.341	4.1	20.0
11 7	1 21.22	+11 46.8	1.412	2.361	9.0	20.3
11 17	1 14.49	+11 24.4	1.494	2.382	13.2	20.6
11 27	1 10.73	+11 14.2	1.596	2.402	16.7	20.9

333337 2001 RO_{120} 10 19.9 8°.93 0°.2/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.50	+11 27.8	1.058	1.956	18.0	19.7
9 28	1 57.08	+11 26.1	1.008	1.958	13.1	19.4
10 8	1 49.78	+11 10.9	0.977	1.961	7.4	19.1
10 18	1 40.72	+10 46.2	0.969	1.965	1.3	18.8
10 28	1 31.53	+10 18.9	0.984	1.971	4.9	19.1
11 7	1 23.83	+ 9 56.8	1.023	1.978	10.7	19.4
11 17	1 18.78	+ 9 46.3	1.083	1.986	15.7	19.7
11 27	1 17.07	+ 9 51.4	1.161	1.996	19.9	20.0

226471 2003 SK_{173} 10 19.9 2°.87 2°.0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.48	+16 47.8	1.864	2.721	13.4	19.7
9 28	1 55.46	+16 46.6	1.795	2.721	10.0	19.5
10 8	1 48.56	+16 32.0	1.749	2.721	6.1	19.3
10 18	1 40.52	+16 5.9	1.729	2.721	2.5	19.0
10 28	1 32.33	+15 32.2	1.737	2.722	3.4	19.1
11 7	1 24.99	+14 56.2	1.773	2.724	7.2	19.3
11 17	1 19.34	+14 23.5	1.834	2.726	10.9	19.6
11 27	1 15.95	+13 59.0	1.918	2.729	14.1	19.8

57945 2002 JG_{50} 10 19.9 104°.37 0°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.14	+13 21.4	1.409	2.281	16.0	19.1
9 28	1 59.89	+13 6.5	1.350	2.287	11.6	18.9
10 8	1 51.16	+12 37.7	1.313	2.292	6.7	18.6
10 18	1 40.94	+11 58.4	1.301	2.297	1.4	18.3
10 28	1 30.62	+11 15.0	1.317	2.302	4.2	18.5
11 7	1 21.57	+10 34.7	1.358	2.307	9.3	18.8
11 17	1 14.84	+10 4.1	1.424	2.312	13.8	19.1
11 27	1 11.07	+ 9 47.9	1.510	2.316	17.5	19.3

514833 2008 CF_{34} 10 19.9 143°.84 2°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.48	+ 4 18.7	2.494	3.367	9.9	22.4
9 28	1 54.90	+ 3 27.7	2.437	3.376	7.0	22.2
10 8	1 48.02	+ 2 33.8	2.407	3.386	4.0	22.0
10 18	1 40.42	+ 1 41.5	2.406	3.395	2.4	21.9
10 28	1 32.83	+ 0 55.4	2.435	3.403	4.4	22.1
11 7	1 25.92	+ 0 19.3	2.493	3.411	7.3	22.3
11 17	1 20.28	− 0 4.2	2.577	3.419	10.0	22.5
11 27	1 16.33	− 0 13.5	2.685	3.426	12.3	22.7

218216 2002 UJ_{31} 10 19.9 63°.00 4°.5/23.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.95	+22 45.1	1.292	2.140	18.7	20.4
9 28	2 0.46	+22 42.2	1.250	2.165	14.3	20.2
10 8	1 51.40	+22 14.4	1.229	2.190	9.6	20.0
10 18	1 40.96	+21 23.7	1.231	2.215	5.4	19.8
10 28	1 30.71	+20 16.7	1.259	2.241	5.2	19.9
11 7	1 22.08	+19 3.6	1.313	2.266	9.0	20.2
11 17	1 16.07	+17 54.4	1.390	2.291	13.1	20.5
11 27	1 13.17	+16 57.4	1.489	2.316	16.7	20.8

220206 2002 VY_{37} 10 19.9 34°.66 6°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.27	− 0 44.9	1.105	2.010	16.9	19.0
9 28	1 58.66	− 1 34.8	1.070	2.022	12.2	18.8
10 8	1 50.43	− 2 21.8	1.056	2.035	7.8	18.6
10 18	1 40.81	− 2 56.9	1.066	2.049	6.2	18.6
10 28	1 31.35	− 3 12.4	1.099	2.064	9.0	18.8
11 7	1 23.49	− 3 4.3	1.155	2.080	13.2	19.1
11 17	1 18.22	− 2 32.5	1.232	2.096	17.2	19.4
11 27	1 16.04	− 1 39.5	1.327	2.113	20.5	19.7

124108 2001 HD_{50} 10 19.9 138°.16 4°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.73	− 3 21.9	2.442	3.321	9.8	19.6
9 28	1 54.40	− 4 14.4	2.390	3.326	7.2	19.4
10 8	1 47.76	− 5 4.1	2.363	3.331	5.1	19.3
10 18	1 40.39	− 5 46.3	2.365	3.336	4.6	19.3
10 28	1 33.00	− 6 16.5	2.396	3.340	6.2	19.4
11 7	1 26.31	− 6 31.8	2.453	3.344	8.7	19.6
11 17	1 20.88	− 6 31.0	2.536	3.349	11.1	19.7
11 27	1 17.13	− 6 14.2	2.641	3.352	13.2	19.9

263137 2007 VD_{145} 10 19.9 122°.69 0°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.72	+13 9.5	1.477	2.350	15.4	21.0
9 28	1 58.68	+12 14.7	1.422	2.360	11.1	20.8
10 8	1 50.39	+11 5.2	1.390	2.370	6.1	20.6
10 18	1 40.82	+ 9 46.9	1.384	2.379	0.9	20.2
10 28	1 31.27	+ 8 28.2	1.405	2.389	4.4	20.5
11 7	1 22.96	+ 7 18.1	1.453	2.397	9.3	20.8
11 17	1 16.82	+ 6 23.3	1.526	2.406	13.5	21.1
11 27	1 13.41	+ 5 48.1	1.620	2.414	17.0	21.4

52168 1305 $T\text{-}_2$ 10 19.9 25°.24 3°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.12	+16 25.2	1.185	2.059	18.2	18.3
9 28	2 0.28	+16 52.3	1.131	2.065	13.6	18.0
10 8	1 51.54	+17 2.1	1.098	2.072	8.5	17.8
10 18	1 41.03	+16 55.1	1.088	2.080	3.7	17.5
10 28	1 30.37	+16 35.6	1.103	2.088	4.8	17.6
11 7	1 21.19	+16 10.9	1.142	2.097	9.8	17.9
11 17	1 14.72	+15 48.7	1.204	2.107	14.5	18.2
11 27	1 11.63	+15 35.8	1.286	2.118	18.5	18.5

404989 2000 DJ_{89} 10 19.9 332°.67 4°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.32	+23 44.6	2.072	2.894	13.5	21.1
9 28	1 56.06	+23 59.0	1.991	2.889	10.7	20.9
10 8	1 48.93	+23 56.5	1.934	2.884	7.5	20.7
10 18	1 40.61	+23 37.1	1.902	2.879	4.9	20.5
10 28	1 32.05	+23 3.1	1.898	2.874	4.6	20.5
11 7	1 24.25	+22 19.3	1.922	2.869	7.1	20.6
11 17	1 18.07	+21 31.9	1.972	2.865	10.2	20.8
11 27	1 14.12	+20 47.4	2.045	2.861	13.2	21.0

363226 2001 WQ_1 10 19.9 35°.23 1°.4/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.59	+ 9 9.3	0.773	1.686	21.2	20.1
9 28	2 0.06	+ 8 52.7	0.752	1.710	15.0	19.9
10 8	1 51.28	+ 8 24.1	0.750	1.736	8.1	19.6
10 18	1 40.94	+ 7 50.7	0.767	1.763	1.6	19.4
10 28	1 31.08	+ 7 22.1	0.807	1.792	6.1	19.8
11 7	1 23.48	+ 7 6.2	0.868	1.822	12.2	20.2
11 17	1 19.14	+ 7 7.6	0.948	1.853	17.3	20.6
11 27	1 18.45	+ 7 27.7	1.045	1.884	21.3	21.0

356164 2009 HL_{42} 10 19.9 269°.29 4°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.92	− 2 37.2	1.911	2.791	12.1	20.7
9 28	1 58.49	− 3 3.4	1.847	2.786	8.9	20.5
10 8	1 50.20	− 3 26.4	1.808	2.780	5.9	20.3
10 18	1 40.81	− 3 41.2	1.797	2.775	4.8	20.2
10 28	1 31.30	− 3 43.2	1.813	2.770	6.8	20.3
11 7	1 22.68	− 3 29.5	1.857	2.765	10.0	20.5
11 17	1 15.76	− 2 59.4	1.925	2.760	13.2	20.7
11 27	1 11.12	− 2 13.4	2.014	2.754	15.9	20.9

150432 2000 GV_{56} 10 19.9 217°.00 0°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.25	+11 55.9	1.867	2.733	13.0	20.5
9 28	1 57.44	+11 8.0	1.791	2.726	9.3	20.3
10 8	1 49.68	+10 8.2	1.739	2.719	5.2	20.0
10 18	1 40.73	+ 9 1.1	1.715	2.711	0.8	19.7
10 28	1 31.59	+ 7 52.9	1.720	2.702	3.9	19.9
11 7	1 23.31	+ 6 50.8	1.753	2.693	8.3	20.1
11 17	1 16.75	+ 6 0.6	1.812	2.683	12.2	20.4
11 27	1 12.52	+ 5 26.6	1.893	2.673	15.4	20.6

85567 1998 BU_9 10 19.9 124°.99 3°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.69	+ 1 53.1	1.985	2.867	11.6	19.9
9 28	1 56.07	+ 1 5.7	1.929	2.871	8.3	19.7
10 8	1 48.79	+ 0 17.1	1.897	2.875	5.0	19.5
10 18	1 40.57	− 0 27.5	1.893	2.879	3.5	19.4
10 28	1 32.32	− 1 2.7	1.918	2.883	5.8	19.6
11 7	1 24.93	− 1 24.1	1.970	2.887	9.1	19.8
11 17	1 19.10	− 1 29.6	2.047	2.890	12.2	20.0
11 27	1 15.34	− 1 18.5	2.145	2.894	14.8	20.2

485967 2012 HU_{73} 10 19.9 234°.52 0°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.99	+13 12.3	2.522	3.380	10.3	21.9
9 28	1 53.26	+12 13.3	2.441	3.373	7.4	21.7
10 8	1 47.19	+11 4.0	2.387	3.365	4.1	21.5
10 18	1 40.32	+ 9 48.2	2.362	3.357	0.6	21.2
10 28	1 33.34	+ 8 31.1	2.367	3.349	3.0	21.4
11 7	1 26.97	+ 7 18.3	2.401	3.341	6.4	21.6
11 17	1 21.79	+ 6 14.7	2.464	3.332	9.5	21.8
11 27	1 18.26	+ 5 24.1	2.551	3.324	12.1	22.0

39486 1981 ET_5 10 19.9 27°.98 0°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.81	+16 37.4	1.579	2.446	14.8	18.6
9 28	1 55.16	+15 34.2	1.515	2.449	10.9	18.3
10 8	1 48.44	+14 12.6	1.474	2.451	6.3	18.1
10 18	1 40.53	+12 37.9	1.459	2.454	1.5	17.8
10 28	1 32.53	+10 58.8	1.472	2.457	3.8	17.9
11 7	1 25.59	+ 9 25.0	1.511	2.461	8.5	18.2
11 17	1 20.56	+ 8 4.9	1.576	2.464	12.7	18.5
11 27	1 18.02	+ 7 4.3	1.663	2.468	16.2	18.7

315913 2008 RP_{109} 10 19.9 316°.30 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.63	+ 9 50.6	4.123	4.982	6.6	21.4
9 28	1 49.74	+ 9 29.2	4.047	4.980	4.7	21.2
10 8	1 45.08	+ 9 4.1	3.999	4.978	2.6	21.1
10 18	1 39.98	+ 8 36.9	3.980	4.976	0.4	20.9
10 28	1 34.82	+ 8 9.9	3.992	4.974	2.0	21.0
11 7	1 30.00	+ 7 45.3	4.035	4.972	4.1	21.2
11 17	1 25.87	+ 7 25.0	4.106	4.970	6.1	21.3
11 27	1 22.71	+ 7 10.7	4.202	4.968	7.8	21.5

281254 2007 PT 10 19.9 60°.59 4°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.50	+ 0 58.1	1.446	2.337	14.5	20.3
9 28	1 58.18	− 0 11.9	1.422	2.368	10.3	20.1
10 8	1 49.92	− 1 20.4	1.421	2.398	6.4	20.0
10 18	1 40.74	− 2 19.7	1.446	2.429	4.9	19.9
10 28	1 31.87	− 3 2.5	1.498	2.459	7.4	20.2
11 7	1 24.38	− 3 24.7	1.575	2.490	11.0	20.5
11 17	1 19.01	− 3 25.2	1.675	2.520	14.4	20.7
11 27	1 16.16	− 3 5.3	1.795	2.550	17.1	21.0

279289 2009 WS_{99} 10 19.9 358°.67 0°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.52	+ 9 46.7	2.009	2.881	11.9	20.5
9 28	1 55.33	+ 9 29.6	1.941	2.880	8.5	20.3
10 8	1 48.44	+ 9 5.2	1.899	2.879	4.7	20.1
10 18	1 40.54	+ 8 36.8	1.883	2.879	0.8	19.8
10 28	1 32.53	+ 8 8.6	1.896	2.879	3.6	20.0
11 7	1 25.30	+ 7 45.2	1.937	2.879	7.5	20.3
11 17	1 19.60	+ 7 30.4	2.004	2.879	11.0	20.5
11 27	1 15.97	+ 7 27.0	2.093	2.880	13.9	20.7

330599 2008 DY_{15} 10 19.9 137°.98 4°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.42	+ 1 28.9	1.812	2.692	12.6	21.3
9 28	1 58.76	+ 0 25.8	1.764	2.705	9.0	21.1
10 8	1 50.29	− 0 38.3	1.741	2.717	5.6	20.9
10 18	1 40.83	− 1 36.8	1.745	2.729	4.1	20.9
10 28	1 31.43	− 2 23.3	1.779	2.740	6.5	21.0
11 7	1 23.08	− 2 52.9	1.839	2.751	9.9	21.3
11 17	1 16.56	− 3 3.7	1.925	2.760	13.2	21.5
11 27	1 12.35	− 2 55.3	2.030	2.769	15.9	21.7

484046 2006 FJ_{20} 10 19.9 214°.15 0°.8/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.10	+ 7 43.9	2.696	3.556	9.6	21.4
9 28	1 56.82	+ 7 42.0	2.618	3.551	6.9	21.3
10 8	1 49.16	+ 7 36.2	2.567	3.546	3.8	21.1
10 18	1 40.67	+ 7 28.7	2.546	3.541	0.9	20.8
10 28	1 32.04	+ 7 21.9	2.555	3.536	3.1	21.0
11 7	1 24.00	+ 7 18.7	2.595	3.530	6.2	21.2
11 17	1 17.17	+ 7 21.3	2.663	3.524	9.1	21.4
11 27	1 12.02	+ 7 31.6	2.755	3.518	11.5	21.5

163981 2003 UY_{120} 10 19.9 168°.50 0°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.85	+10 58.9	2.192	3.052	11.5	20.5
9 28	1 57.56	+10 35.6	2.124	3.056	8.3	20.3
10 8	1 49.63	+10 4.3	2.081	3.059	4.6	20.1
10 18	1 40.75	+ 9 28.0	2.066	3.062	0.7	19.8
10 28	1 31.78	+ 8 51.1	2.082	3.064	3.3	20.0
11 7	1 23.61	+ 8 18.0	2.126	3.066	7.1	20.3
11 17	1 16.95	+ 7 52.9	2.198	3.068	10.4	20.5
11 27	1 12.32	+ 7 38.7	2.293	3.068	13.2	20.7

392224 2009 US_{106} 10 19.9 336°.63 1°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.75	+ 4 46.9	4.063	4.933	6.4	20.5
9 28	1 49.82	+ 4 22.9	3.992	4.931	4.5	20.4
10 8	1 45.14	+ 3 57.2	3.949	4.929	2.5	20.2
10 18	1 40.01	+ 3 31.8	3.935	4.927	1.3	20.1
10 28	1 34.84	+ 3 9.1	3.952	4.925	2.6	20.2
11 7	1 30.01	+ 2 51.1	3.999	4.923	4.6	20.4
11 17	1 25.86	+ 2 39.5	4.074	4.921	6.5	20.5
11 27	1 22.70	+ 2 35.4	4.174	4.920	8.2	20.6

221706 2007 DH_{106} 10 19.9 222°.06 1°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.93	+ 8 17.2	2.408	3.277	10.3	20.7
9 28	1 54.69	+ 7 40.9	2.334	3.272	7.3	20.5
10 8	1 48.02	+ 6 58.7	2.286	3.267	4.0	20.3
10 18	1 40.50	+ 6 14.1	2.267	3.261	1.2	20.1
10 28	1 32.86	+ 5 31.5	2.277	3.256	3.6	20.3
11 7	1 25.86	+ 4 55.2	2.316	3.250	6.9	20.5
11 17	1 20.14	+ 4 28.8	2.382	3.244	10.0	20.7
11 27	1 16.17	+ 4 14.7	2.472	3.237	12.6	20.9

226090 2002 NQ_{60} 10 19.9 98°.49 1°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.39	+17 46.8	2.455	3.297	11.1	20.9
9 28	1 54.22	+17 14.0	2.392	3.310	8.2	20.8
10 8	1 47.71	+16 29.4	2.354	3.324	5.0	20.6
10 18	1 40.44	+15 35.5	2.345	3.337	1.9	20.4
10 28	1 33.17	+14 36.5	2.365	3.349	2.7	20.5
11 7	1 26.62	+13 37.6	2.414	3.362	5.8	20.7
11 17	1 21.38	+12 43.6	2.492	3.375	8.8	20.9
11 27	1 17.88	+11 58.6	2.594	3.387	11.4	21.1

283138 2008 YJ_{4} 10 19.9 6°.86 6°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 55.25	+ 1 14.1	0.936	1.859	17.3	18.3
9 28	1 52.64	+ 0 7.5	0.898	1.860	12.5	18.1
10 8	1 47.31	− 1 0.0	0.880	1.863	7.9	17.8
10 18	1 40.40	− 1 57.2	0.883	1.869	6.2	17.8
10 28	1 33.46	− 2 33.4	0.907	1.877	9.5	18.0
11 7	1 27.99	− 2 42.0	0.953	1.888	14.1	18.3
11 17	1 25.02	− 2 21.7	1.017	1.900	18.4	18.6
11 27	1 25.11	− 1 34.9	1.098	1.915	22.0	18.9

216933 1998 YP_{21} 10 19.9 86°.48 6°.8/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.59	+31 51.7	1.986	2.764	15.6	20.3
9 28	1 58.45	+32 9.3	1.921	2.778	12.9	20.1
10 8	1 50.27	+32 3.1	1.878	2.793	10.1	19.9
10 18	1 40.87	+31 32.2	1.858	2.807	7.7	19.8
10 28	1 31.40	+30 38.8	1.865	2.821	6.8	19.8
11 7	1 22.98	+29 29.2	1.899	2.834	8.1	19.9
11 17	1 16.50	+28 11.5	1.960	2.848	10.5	20.1
11 27	1 12.52	+26 54.3	2.044	2.861	13.1	20.3

483994 2006 CX_{23} 10 19.9 181°.47 4°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.57	+26 34.8	2.793	3.585	11.2	22.4
9 28	1 55.83	+26 38.8	2.710	3.585	9.0	22.2
10 8	1 48.66	+26 28.0	2.651	3.585	6.6	22.1
10 18	1 40.62	+26 2.2	2.619	3.585	4.5	22.0
10 28	1 32.44	+25 23.6	2.616	3.585	4.1	21.9
11 7	1 24.88	+24 36.0	2.643	3.584	5.8	22.0
11 17	1 18.58	+23 44.1	2.698	3.583	8.1	22.2
11 27	1 14.03	+22 53.2	2.779	3.581	10.4	22.4

252124 2000 WG_{127} 10 19.9 355°.07 9°.1/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.15	−10 43.0	1.288	2.180	15.9	19.5
9 28	1 59.32	−10 54.6	1.236	2.172	12.6	19.3
10 8	1 50.92	−10 50.7	1.205	2.165	9.9	19.1
10 18	1 41.00	−10 24.2	1.197	2.160	9.1	19.1
10 28	1 30.97	− 9 30.6	1.213	2.156	11.1	19.2
11 7	1 22.29	− 8 10.2	1.252	2.154	14.3	19.4
11 17	1 16.00	− 6 26.8	1.313	2.154	17.7	19.6
11 27	1 12.75	− 4 25.7	1.392	2.156	20.8	19.8

111989 2002 GV_{96} 10 19.9 142°.42 0°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.06	+11 20.7	1.614	2.482	14.5	21.3
9 28	2 0.27	+10 54.8	1.555	2.491	10.4	21.1
10 8	1 51.29	+10 18.1	1.520	2.499	5.8	20.9
10 18	1 41.05	+ 9 34.7	1.511	2.507	0.9	20.5
10 28	1 30.76	+ 8 50.5	1.531	2.514	4.1	20.8
11 7	1 21.63	+ 8 12.0	1.578	2.521	8.8	21.1
11 17	1 14.60	+ 7 44.4	1.650	2.527	12.9	21.4
11 27	1 10.23	+ 7 31.3	1.744	2.532	16.2	21.6

181420 2006 SK_{258} 10 19.9 311°.18 0°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.35	+12 21.5	1.845	2.715	12.9	20.4
9 28	1 55.38	+11 42.9	1.774	2.711	9.3	20.1
10 8	1 48.56	+10 52.8	1.727	2.707	5.2	19.9
10 18	1 40.61	+ 9 55.4	1.707	2.703	0.8	19.6
10 28	1 32.52	+ 8 56.6	1.715	2.699	3.7	19.8
11 7	1 25.28	+ 8 2.8	1.751	2.695	7.9	20.0
11 17	1 19.69	+ 7 19.8	1.812	2.692	11.8	20.3
11 27	1 16.32	+ 6 51.4	1.896	2.688	15.0	20.5

259839 2004 CF_{42} 10 19.9 191°.49 2°.3/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.02	+ 6 24.8	1.778	2.654	13.0	21.4
9 28	1 58.71	+ 5 40.8	1.712	2.653	9.3	21.2
10 8	1 50.42	+ 4 50.6	1.670	2.651	5.2	21.0
10 18	1 40.92	+ 3 59.3	1.656	2.649	2.3	20.8
10 28	1 31.31	+ 3 13.4	1.671	2.647	5.1	21.0
11 7	1 22.65	+ 2 38.5	1.713	2.643	9.2	21.2
11 17	1 15.82	+ 2 18.6	1.781	2.640	13.0	21.4
11 27	1 11.40	+ 2 15.8	1.869	2.636	16.1	21.6

231636 2009 UP_{84} 10 19.9 277°.21 1°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.22	+ 4 10.0	4.396	5.266	6.0	20.7
9 28	1 49.42	+ 3 44.6	4.326	5.264	4.2	20.6
10 8	1 44.92	+ 3 18.0	4.283	5.262	2.4	20.4
10 18	1 40.02	+ 2 51.9	4.270	5.260	1.3	20.3
10 28	1 35.07	+ 2 28.6	4.287	5.258	2.6	20.4
11 7	1 30.44	+ 2 10.0	4.335	5.256	4.4	20.6
11 17	1 26.43	+ 1 57.5	4.410	5.254	6.1	20.7
11 27	1 23.33	+ 1 52.2	4.511	5.252	7.7	20.8

319107 2005 WV_{202} 10 19.9 211°.82 0°.6/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.49	+14 4.4	2.361	3.216	11.0	21.7
9 28	1 55.15	+13 42.3	2.286	3.213	8.0	21.5
10 8	1 48.32	+13 10.4	2.235	3.210	4.6	21.3
10 18	1 40.58	+12 31.2	2.212	3.207	1.1	21.0
10 28	1 32.72	+11 48.7	2.219	3.204	2.8	21.2
11 7	1 25.53	+11 7.4	2.255	3.201	6.4	21.4
11 17	1 19.67	+10 31.6	2.319	3.197	9.6	21.6
11 27	1 15.65	+10 5.2	2.406	3.193	12.3	21.8

288206 2003 YN_{19} 10 19.9 344°.72 9°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.89	−11 13.3	1.370	2.260	15.2	19.2
9 28	1 58.32	−12 3.8	1.319	2.251	12.3	19.0
10 8	1 50.34	−12 40.6	1.290	2.243	10.1	18.9
10 18	1 40.92	−12 55.1	1.284	2.236	9.9	18.8
10 28	1 31.40	−12 40.7	1.301	2.230	11.9	18.9
11 7	1 23.10	−11 55.6	1.342	2.225	14.9	19.1
11 17	1 17.05	−10 42.4	1.402	2.221	18.1	19.3
11 27	1 13.86	− 9 5.9	1.481	2.218	20.8	19.5

282250 2002 GW_{115} 10 19.9 107°.92 3°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.38	+ 5 25.3	1.766	2.650	12.7	20.6
9 28	1 55.99	+ 4 10.4	1.714	2.659	9.0	20.4
10 8	1 48.82	+ 2 50.0	1.687	2.668	5.1	20.2
10 18	1 40.66	+ 1 31.2	1.687	2.677	3.1	20.1
10 28	1 32.51	+ 0 21.6	1.716	2.686	5.8	20.3
11 7	1 25.33	− 0 32.5	1.772	2.694	9.5	20.5
11 17	1 19.88	− 1 7.4	1.852	2.703	12.9	20.8
11 27	1 16.66	− 1 21.8	1.953	2.711	15.8	21.0

385788 2006 BY_{86} 10 19.9 170°.09 2°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.82	+18 56.8	1.869	2.711	14.0	21.6
9 28	1 58.62	+18 53.0	1.797	2.713	10.6	21.4
10 8	1 50.40	+18 33.7	1.749	2.715	6.7	21.2
10 18	1 40.94	+18 0.2	1.727	2.716	3.2	21.0
10 28	1 31.32	+17 16.5	1.734	2.717	3.7	21.0
11 7	1 22.63	+16 28.6	1.769	2.718	7.4	21.2
11 17	1 15.77	+15 42.8	1.830	2.719	11.1	21.5
11 27	1 11.35	+15 5.2	1.914	2.719	14.4	21.7

516790 2010 CU_{235} 10 19.9 94°.88 1°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.14	+ 6 16.2	2.405	3.270	10.5	20.7
9 28	1 57.57	+ 6 12.9	2.348	3.284	7.4	20.6
10 8	1 49.57	+ 6 6.5	2.318	3.297	4.1	20.4
10 18	1 40.79	+ 5 59.4	2.316	3.311	1.3	20.2
10 28	1 32.01	+ 5 54.5	2.346	3.324	3.5	20.4
11 7	1 24.00	+ 5 54.7	2.404	3.338	6.7	20.6
11 17	1 17.39	+ 6 2.0	2.491	3.351	9.7	20.8
11 27	1 12.63	+ 6 17.9	2.601	3.364	12.1	21.0

315949 2008 TJ_{126} 10 19.9 281°.41 1°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 53.38	+17 43.1	4.330	5.162	6.8	20.5
9 28	1 49.59	+17 25.1	4.247	5.159	5.1	20.3
10 8	1 45.04	+17 0.5	4.191	5.157	3.2	20.2
10 18	1 40.05	+16 30.4	4.164	5.154	1.4	20.0
10 28	1 35.01	+15 56.8	4.168	5.151	1.7	20.1
11 7	1 30.29	+15 22.0	4.202	5.149	3.6	20.2
11 17	1 26.24	+14 48.3	4.265	5.146	5.5	20.4
11 27	1 23.14	+14 18.2	4.355	5.144	7.2	20.5

28109 1998 SA_{29} 10 19.9 245°.47 0°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.02	+ 9 32.8	2.525	3.389	10.1	19.1
9 28	1 54.77	+ 9 2.8	2.442	3.377	7.2	18.9
10 8	1 48.10	+ 8 26.2	2.386	3.366	4.0	18.7
10 18	1 40.57	+ 7 46.1	2.358	3.353	0.8	18.4
10 28	1 32.88	+ 7 6.4	2.360	3.341	3.2	18.6
11 7	1 25.76	+ 6 31.3	2.392	3.329	6.6	18.8
11 17	1 19.85	+ 6 4.3	2.451	3.316	9.6	19.0
11 27	1 15.64	+ 5 48.3	2.533	3.303	12.3	19.1

205127 1999 VF_{147} 10 19.9 331°.88 1°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.50	+10 14.5	1.348	2.239	15.4	20.6
9 28	1 55.42	+ 9 41.3	1.276	2.223	11.1	20.4
10 8	1 48.88	+ 8 55.6	1.225	2.208	6.2	20.0
10 18	1 40.72	+ 8 2.6	1.198	2.193	1.2	19.7
10 28	1 32.22	+ 7 9.7	1.196	2.180	5.0	19.9
11 7	1 24.72	+ 6 25.4	1.220	2.167	10.2	20.2
11 17	1 19.35	+ 5 56.3	1.266	2.155	15.0	20.4
11 27	1 16.85	+ 5 46.5	1.331	2.145	19.0	20.6

440061 2002 RB_{111} 10 19.9 345°.29 6°.9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.58	+23 36.3	1.238	2.095	18.8	20.1
9 28	1 56.69	+24 33.5	1.164	2.079	15.1	19.9
10 8	1 49.85	+25 8.6	1.109	2.065	11.1	19.6
10 18	1 40.91	+25 18.3	1.075	2.052	7.6	19.4
10 28	1 31.37	+25 3.2	1.065	2.041	7.2	19.3
11 7	1 22.93	+24 29.2	1.078	2.031	10.4	19.5
11 17	1 17.03	+23 45.8	1.112	2.024	14.7	19.7
11 27	1 14.60	+23 3.6	1.166	2.018	18.7	19.9

92194 1999 XK_{230} 10 19.9 74°.60 1°.5/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.66	+15 11.0	2.110	2.961	12.3	17.8
9 28	1 57.52	+15 17.4	2.046	2.970	9.0	17.6
10 8	1 49.67	+15 13.3	2.007	2.979	5.4	17.4
10 18	1 40.82	+15 0.4	1.995	2.988	1.9	17.2
10 28	1 31.89	+14 41.5	2.012	2.996	3.1	17.3
11 7	1 23.80	+14 21.0	2.058	3.005	6.7	17.6
11 17	1 17.29	+14 3.1	2.131	3.014	10.0	17.8
11 27	1 12.90	+13 51.6	2.227	3.023	12.9	18.0

102020 1999 RK_{90} 10 19.9 343°.29 5°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.36	+ 2 36.2	1.028	1.941	17.0	18.7
9 28	1 55.70	+ 1 34.8	0.972	1.929	12.3	18.4
10 8	1 49.16	+ 0 28.3	0.936	1.919	7.5	18.1
10 18	1 40.77	− 0 33.0	0.921	1.910	5.4	18.0
10 28	1 32.09	− 1 17.9	0.930	1.902	8.9	18.1
11 7	1 24.76	− 1 38.1	0.960	1.896	14.0	18.4
11 17	1 20.01	− 1 30.0	1.010	1.891	18.7	18.7
11 27	1 18.58	− 0 54.0	1.076	1.887	22.8	18.9

223606 2004 HT_{8} 10 19.9 241°.69 3°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.27	+ 4 23.7	1.593	2.476	13.9	20.6
9 28	1 59.14	+ 3 47.8	1.527	2.470	9.9	20.3
10 8	1 50.77	+ 3 7.5	1.483	2.464	5.7	20.1
10 18	1 41.02	+ 2 28.3	1.467	2.458	3.0	19.9
10 28	1 31.08	+ 1 56.8	1.477	2.451	5.9	20.1
11 7	1 22.15	+ 1 38.4	1.515	2.445	10.2	20.3
11 17	1 15.23	+ 1 36.5	1.576	2.438	14.2	20.5
11 27	1 10.96	+ 1 52.5	1.657	2.430	17.6	20.7

481886 2008 YZ_{172} 10 19.9 310°.98 3°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 2.96	+21 16.4	1.678	2.521	15.3	21.6
9 28	1 57.60	+21 21.6	1.601	2.514	11.8	21.3
10 8	1 49.98	+21 8.1	1.546	2.507	7.9	21.1
10 18	1 40.90	+20 36.2	1.516	2.501	4.4	20.9
10 28	1 31.53	+19 49.8	1.513	2.495	4.5	20.9
11 7	1 23.10	+18 55.4	1.537	2.488	8.1	21.1
11 17	1 16.64	+18 0.7	1.585	2.483	12.0	21.3
11 27	1 12.85	+17 13.3	1.657	2.477	15.6	21.5

163216 2002 EN_{68} 10 19.9 15°.68 1°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 54.29	+16 21.3	4.188	5.024	7.0	19.7
9 28	1 50.25	+16 11.6	4.110	5.025	5.1	19.6
10 8	1 45.42	+15 55.8	4.058	5.026	3.1	19.5
10 18	1 40.14	+15 35.0	4.035	5.027	1.2	19.3
10 28	1 34.80	+15 11.1	4.043	5.028	1.7	19.4
11 7	1 29.79	+14 46.2	4.082	5.028	3.7	19.5
11 17	1 25.49	+14 22.6	4.149	5.029	5.7	19.7
11 27	1 22.18	+14 2.4	4.243	5.030	7.4	19.8

393724 2004 XB_{21} 10 19.9 322°.79 7°.1/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.20	+30 33.3	1.522	2.334	18.1	20.3
9 28	1 55.98	+30 27.7	1.440	2.322	14.9	20.1
10 8	1 49.22	+29 51.5	1.377	2.311	11.4	19.8
10 18	1 40.81	+28 43.3	1.336	2.300	8.2	19.6
10 28	1 32.06	+27 6.7	1.320	2.290	7.1	19.5
11 7	1 24.39	+25 11.3	1.330	2.280	9.2	19.6
11 17	1 18.94	+23 9.6	1.364	2.271	12.9	19.8
11 27	1 16.45	+21 14.4	1.421	2.262	16.5	20.0

142998 2002 VP_{97} 10 19.9 20°.91 1°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.43	+ 8 7.6	1.677	2.555	13.5	19.7
9 28	1 57.67	+ 7 53.1	1.616	2.558	9.7	19.5
10 8	1 49.89	+ 7 32.0	1.579	2.560	5.3	19.3
10 18	1 40.90	+ 7 8.1	1.568	2.564	1.3	19.0
10 28	1 31.80	+ 6 46.2	1.585	2.567	4.4	19.2
11 7	1 23.71	+ 6 31.3	1.629	2.570	8.7	19.5
11 17	1 17.49	+ 6 27.1	1.698	2.574	12.6	19.7
11 27	1 13.73	+ 6 35.9	1.788	2.579	15.8	20.0

199577 2006 FH_{1} 10 19.9 178°.24 0°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.25	+11 47.5	1.835	2.702	13.1	21.3
9 28	1 57.45	+11 17.5	1.768	2.703	9.4	21.1
10 8	1 49.73	+10 37.0	1.724	2.703	5.3	20.9
10 18	1 40.87	+ 9 49.8	1.708	2.704	0.8	20.6
10 28	1 31.89	+ 9 1.4	1.720	2.704	3.7	20.8
11 7	1 23.82	+ 8 17.8	1.760	2.704	8.0	21.1
11 17	1 17.50	+ 7 44.2	1.826	2.703	11.8	21.3
11 27	1 13.50	+ 7 24.3	1.915	2.703	15.0	21.5

4417 Lecar 10 19.9 164°.66 2°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.29	+18 37.1	2.198	3.034	12.4	16.9
9 28	1 58.01	+18 39.6	2.125	3.037	9.4	16.7
10 8	1 49.99	+18 29.2	2.076	3.040	6.0	16.5
10 18	1 40.92	+18 7.0	2.054	3.042	2.9	16.3
10 28	1 31.70	+17 35.9	2.062	3.045	3.3	16.3
11 7	1 23.28	+17 0.6	2.099	3.047	6.6	16.5
11 17	1 16.42	+16 26.1	2.163	3.048	9.8	16.7
11 27	1 11.67	+15 57.3	2.252	3.049	12.7	16.9

392731 2012 RR_{9} 10 19.9 287°.62 8°.7/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.72	+ 2 52.7	0.979	1.894	17.5	19.9
9 28	1 56.00	− 0 49.7	0.928	1.886	12.7	19.6
10 8	1 49.34	− 4 47.0	0.900	1.877	9.1	19.3
10 18	1 40.83	− 8 34.8	0.897	1.869	9.6	19.4
10 28	1 32.11	−11 47.6	0.918	1.861	13.8	19.6
11 7	1 24.82	−14 8.6	0.962	1.853	18.7	19.8
11 17	1 20.19	−15 32.8	1.023	1.845	23.1	20.1
11 27	1 18.93	−16 4.1	1.097	1.837	26.6	20.3

447240 2005 UV_{202} 10 19.9 358°.16 3°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.82	+ 2 41.0	1.718	2.603	12.9	20.6
9 28	1 57.20	+ 2 22.9	1.657	2.601	9.2	20.4
10 8	1 49.61	+ 2 3.5	1.620	2.600	5.4	20.2
10 18	1 40.86	+ 1 47.3	1.609	2.599	3.1	20.0
10 28	1 32.00	+ 1 39.1	1.626	2.599	5.6	20.2
11 7	1 24.09	+ 1 42.7	1.669	2.599	9.4	20.4
11 17	1 17.97	+ 2 0.1	1.737	2.600	13.1	20.6
11 27	1 14.24	+ 2 32.0	1.827	2.601	16.1	20.9

119523 2001 UU_{164} 10 19.9 246°.24 5°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.84	− 0 25.4	1.630	2.519	13.3	19.5
9 28	1 57.32	− 1 37.4	1.569	2.513	9.7	19.3
10 8	1 49.73	− 2 50.0	1.532	2.507	6.4	19.1
10 18	1 40.89	− 3 55.4	1.521	2.500	5.4	19.0
10 28	1 31.90	− 4 45.5	1.537	2.494	7.9	19.2
11 7	1 23.89	− 5 14.8	1.579	2.487	11.5	19.4
11 17	1 17.76	− 5 20.8	1.644	2.480	15.0	19.6
11 27	1 14.11	− 5 3.6	1.728	2.473	18.0	19.8

118144 4136 T-3 10 19.9 45°.28 3°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 6.27	+ 5 53.0	1.042	1.943	18.0	19.5
9 28	2 0.06	+ 5 14.0	1.017	1.969	12.7	19.3
10 8	1 51.22	+ 4 29.5	1.012	1.996	7.0	19.0
10 18	1 41.09	+ 3 47.2	1.030	2.023	3.1	18.9
10 28	1 31.33	+ 3 15.5	1.072	2.051	6.6	19.2
11 7	1 23.39	+ 3 0.3	1.138	2.079	11.6	19.6
11 17	1 18.19	+ 3 4.3	1.226	2.108	16.0	19.9
11 27	1 16.16	+ 3 27.4	1.332	2.137	19.5	20.3

489490 2007 GA_{62} 10 19.9 215°.72 1°.7/21.9 18

9 18	1 59.60	+18 35.3	2.425	3.265	11.3	21.4
9 28	1 54.54	+18 7.5	2.346	3.261	8.4	21.2
10 8	1 48.02	+17 26.6	2.291	3.258	5.3	21.0
10 18	1 40.61	+16 34.9	2.264	3.254	2.2	20.8
10 28	1 33.07	+15 36.3	2.266	3.251	2.8	20.8
11 7	1 26.20	+14 36.0	2.298	3.247	6.0	21.0
11 17	1 20.63	+13 39.3	2.357	3.242	9.1	21.2
11 27	1 16.87	+12 50.9	2.441	3.238	11.9	21.4

312916 2011 VU_{14} 10 19.9 53°.31 2°.1/21.8 18

9 18	2 2.24	+17 54.4	1.747	2.601	14.3	20.6
9 28	1 56.79	+17 41.0	1.687	2.611	10.6	20.4
10 8	1 49.38	+17 12.1	1.651	2.621	6.6	20.2
10 18	1 40.84	+16 30.1	1.639	2.631	2.7	20.0
10 28	1 32.23	+15 39.9	1.656	2.641	3.5	20.0
11 7	1 24.65	+14 48.1	1.700	2.652	7.5	20.3
11 17	1 18.91	+14 1.2	1.770	2.663	11.3	20.6
11 27	1 15.56	+13 24.6	1.863	2.673	14.5	20.8

391564 2007 TT_{154} 10 19.9 345°.10 0°.9/20.8 18

9 18	1 57.96	+17 51.0	1.524	2.392	15.2	19.9
9 28	1 54.01	+16 35.4	1.454	2.387	11.2	19.6
10 8	1 47.95	+14 57.9	1.406	2.383	6.6	19.3
10 18	1 40.61	+13 4.4	1.384	2.379	1.7	19.0
10 28	1 33.13	+11 4.6	1.390	2.376	3.8	19.1
11 7	1 26.66	+ 9 10.1	1.422	2.373	8.7	19.4
11 17	1 22.10	+ 7 30.7	1.480	2.370	13.1	19.7
11 27	1 20.05	+ 6 13.4	1.559	2.369	16.9	19.9

80335 1999 XG_{95} 10 19.9 335°.20 4°.3/22.4 18

9 18	2 0.05	+19 22.6	1.077	1.957	19.2	18.6
9 28	1 56.53	+19 42.1	1.004	1.939	14.9	18.3
10 8	1 49.86	+19 38.6	0.950	1.922	9.8	17.9
10 18	1 40.98	+19 11.7	0.918	1.907	5.1	17.6
10 28	1 31.48	+18 25.6	0.907	1.893	5.6	17.6
11 7	1 23.21	+17 29.7	0.920	1.880	10.7	17.9
11 17	1 17.64	+16 35.4	0.953	1.869	16.0	18.1
11 27	1 15.76	+15 52.9	1.005	1.860	20.8	18.4

472472 2015 BH_{461} 10 19.9 115°.42 3°.8/22.6 16

9 18	2 8.08	+20 37.0	1.565	2.407	16.3	21.6
9 28	2 1.26	+20 50.2	1.504	2.417	12.4	21.3
10 8	1 52.00	+20 44.6	1.465	2.426	8.2	21.1
10 18	1 41.28	+20 20.5	1.450	2.436	4.5	20.9
10 28	1 30.43	+19 41.7	1.463	2.445	4.7	21.0
11 7	1 20.83	+18 55.3	1.503	2.453	8.4	21.2
11 17	1 13.49	+18 9.0	1.569	2.462	12.4	21.5
11 27	1 9.07	+17 30.2	1.656	2.470	15.9	21.7

225482 2000 GS_{136} 10 19.9 264°.80 9°.3/13.2 18

9 18	2 11.05	−14 4.5	1.816	2.675	13.6	19.5
9 28	2 3.28	−14 54.2	1.741	2.651	11.2	19.3
10 8	1 53.14	−15 31.3	1.689	2.625	9.5	19.2
10 18	1 41.49	−15 47.6	1.664	2.599	9.5	19.1
10 28	1 29.49	−15 36.7	1.665	2.572	11.3	19.2
11 7	1 18.43	−14 56.6	1.692	2.544	14.0	19.3
11 17	1 9.35	−13 48.8	1.742	2.516	16.9	19.4
11 27	1 2.96	−12 17.5	1.810	2.487	19.5	19.5

514004 2014 JC_{10} 10 19.9 147°.87 1°.3/18.7 18

9 18	2 1.07	+ 9 17.8	1.987	2.859	12.0	22.0
9 28	1 55.73	+ 8 27.8	1.923	2.863	8.5	21.8
10 8	1 48.72	+ 7 29.7	1.885	2.866	4.7	21.6
10 18	1 40.74	+ 6 28.3	1.874	2.869	1.3	21.3
10 28	1 32.70	+ 5 29.4	1.892	2.871	4.1	21.5
11 7	1 25.48	+ 4 39.0	1.938	2.874	7.9	21.8
11 17	1 19.83	+ 4 1.5	2.010	2.876	11.4	22.0
11 27	1 16.25	+ 3 39.6	2.105	2.878	14.3	22.2

351157 2003 YW_{149} 10 19.9 338°.77 10°.5/27.4 18

9 18	1 57.80	+32 26.8	1.251	2.072	20.7	19.3
9 28	1 54.93	+33 21.2	1.169	2.050	17.8	19.0
10 8	1 49.01	+33 44.1	1.105	2.030	14.5	18.8
10 18	1 40.86	+33 29.6	1.059	2.010	11.6	18.6
10 28	1 32.01	+32 36.7	1.034	1.993	10.5	18.4
11 7	1 24.26	+31 11.9	1.032	1.977	12.0	18.5
11 17	1 19.15	+29 27.9	1.051	1.963	15.2	18.6
11 27	1 17.68	+27 39.9	1.089	1.951	19.0	18.8

337983 2002 CH_{189} 10 19.9 333°.78 2°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 0.50	+ 7 18.7	1.236	2.135	15.9	20.3
9 28	1 56.29	+ 6 43.2	1.169	2.120	11.4	20.0
10 8	1 49.46	+ 5 58.1	1.122	2.106	6.4	19.7
10 18	1 40.90	+ 5 9.7	1.099	2.094	2.4	19.4
10 28	1 31.99	+ 4 26.5	1.101	2.082	6.0	19.6
11 7	1 24.20	+ 3 56.3	1.127	2.071	11.3	19.8
11 17	1 18.70	+ 3 44.8	1.174	2.061	16.2	20.1
11 27	1 16.26	+ 3 54.6	1.240	2.052	20.2	20.3

325191 2008 FL_{104} 10 19.9 66°.44 1°.0/18.9 18

9 18	1 59.50	+10 15.6	2.022	2.895	11.8	20.8
9 28	1 54.55	+ 9 24.4	1.964	2.903	8.4	20.6
10 8	1 48.04	+ 8 24.7	1.930	2.911	4.6	20.3
10 18	1 40.63	+ 7 21.2	1.924	2.920	1.1	20.1
10 28	1 33.20	+ 6 19.8	1.947	2.928	3.8	20.3
11 7	1 26.60	+ 5 26.3	1.999	2.937	7.6	20.6
11 17	1 21.49	+ 4 45.1	2.076	2.945	10.9	20.8
11 27	1 18.36	+ 4 19.0	2.175	2.954	13.7	21.0

103436 2000 AE_{179} 10 19.9 308°.26 2°.8/22.5 18

9 18	1 59.62	+21 8.5	1.642	2.492	15.2	19.4
9 28	1 55.27	+20 31.9	1.558	2.477	11.7	19.1
10 8	1 48.73	+19 33.0	1.496	2.463	7.6	18.9
10 18	1 40.78	+18 14.3	1.459	2.449	3.6	18.6
10 28	1 32.53	+16 41.8	1.450	2.435	3.9	18.6
11 7	1 25.18	+15 4.9	1.467	2.421	8.1	18.8
11 17	1 19.72	+13 33.6	1.510	2.408	12.4	19.0
11 27	1 16.83	+12 16.1	1.575	2.395	16.2	19.3

223389 2003 SG_{88} 10 19.9 32°.67 0°.4/19.7 18

9 18	2 0.58	+10 58.5	1.731	2.607	13.3	20.2
9 28	1 55.50	+10 35.2	1.682	2.622	9.5	20.0
10 8	1 48.61	+10 2.9	1.656	2.637	5.2	19.8
10 18	1 40.73	+ 9 25.3	1.657	2.653	0.8	19.6
10 28	1 32.86	+ 8 48.0	1.685	2.669	3.7	19.8
11 7	1 26.00	+ 8 16.4	1.741	2.686	7.9	20.1
11 17	1 20.89	+ 7 54.6	1.821	2.704	11.5	20.4
11 27	1 18.02	+ 7 45.7	1.924	2.721	14.6	20.6

35251 1995 YE_5 10 19.9 79°.52 1°.5/18.6 18

9 18	2 1.25	+ 7 40.4	2.025	2.900	11.7	19.7
9 28	1 55.80	+ 7 4.9	1.968	2.909	8.3	19.5
10 8	1 48.74	+ 6 23.6	1.936	2.917	4.6	19.3
10 18	1 40.77	+ 5 40.8	1.931	2.926	1.5	19.1
10 28	1 32.77	+ 5 1.4	1.956	2.934	4.1	19.3
11 7	1 25.62	+ 4 30.3	2.008	2.943	7.8	19.5
11 17	1 20.00	+ 4 10.7	2.086	2.951	11.1	19.7
11 27	1 16.40	+ 4 4.9	2.186	2.960	13.8	19.9

217489 2006 FP_{43} 10 19.9 262°.99 1°.7/20.7 18

9 18	2 16.29	+11 46.7	1.769	2.615	14.5	19.3
9 28	2 7.22	+12 49.5	1.687	2.609	10.7	19.1
10 8	1 55.48	+13 46.6	1.630	2.602	6.4	18.8
10 18	1 41.94	+14 36.4	1.602	2.595	2.1	18.5
10 28	1 27.92	+15 18.7	1.605	2.588	4.0	18.7
11 7	1 14.86	+15 55.1	1.638	2.581	8.5	18.9
11 17	1 3.98	+16 28.5	1.700	2.574	12.6	19.2
11 27	0 56.09	+17 3.0	1.784	2.567	16.1	19.4

412509 2014 LL_9 10 19.9 342°.93 24°.7/18.0 16

9 18	1 52.82	−33 40.2	0.795	1.671	24.7	19.7
9 28	1 51.78	−38 15.5	0.796	1.659	25.6	19.7
10 8	1 47.25	−41 47.2	0.811	1.648	27.3	19.8
10 18	1 40.56	−43 59.2	0.839	1.639	29.3	19.9
10 28	1 33.73	−44 46.9	0.875	1.632	31.3	20.0
11 7	1 28.73	−44 17.0	0.918	1.626	33.0	20.2
11 17	1 26.79	−42 40.8	0.966	1.622	34.4	20.3
11 27	1 28.51	−40 11.4	1.017	1.620	35.4	20.4

93755 2000 WC_7 10 19.9 252°.46 1°.8/18.4 18

9 18	2 3.18	+ 5 15.5	2.229	3.100	10.9	18.7
9 28	1 57.18	+ 5 1.0	2.155	3.093	7.8	18.5
10 8	1 49.55	+ 4 43.5	2.106	3.086	4.4	18.3
10 18	1 40.93	+ 4 26.0	2.086	3.079	1.8	18.1
10 28	1 32.16	+ 4 12.3	2.095	3.072	4.1	18.2
11 7	1 24.08	+ 4 5.8	2.134	3.065	7.6	18.4
11 17	1 17.43	+ 4 9.1	2.198	3.057	10.8	18.6
11 27	1 12.75	+ 4 23.8	2.286	3.050	13.6	18.8

193562 2001 AZ_{11} 10 19.9 22°.14 10°.7/29.1 18

9 18	1 59.97	+34 19.3	1.076	1.897	23.4	17.4
9 28	1 56.33	+34 58.9	1.034	1.913	19.7	17.2
10 8	1 49.56	+34 58.1	1.007	1.930	15.8	17.0
10 18	1 40.94	+34 14.2	0.999	1.949	12.3	16.9
10 28	1 32.30	+32 51.6	1.012	1.970	10.7	16.9
11 7	1 25.41	+31 2.9	1.047	1.993	11.7	17.0
11 17	1 21.47	+29 3.9	1.103	2.017	14.6	17.3
11 27	1 21.04	+27 10.0	1.180	2.042	17.8	17.5

353528 2011 SH_{141} 10 19.9 85°.64 0°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 1.41	+11 14.5	1.821	2.692	13.0	21.0
9 28	1 56.07	+10 26.0	1.764	2.702	9.2	20.8
10 8	1 48.95	+ 9 27.4	1.731	2.711	5.1	20.6
10 18	1 40.83	+ 8 23.6	1.725	2.721	0.9	20.3
10 28	1 32.69	+ 7 21.0	1.748	2.730	3.9	20.6
11 7	1 25.50	+ 6 26.1	1.799	2.740	8.0	20.8
11 17	1 20.01	+ 5 43.8	1.875	2.749	11.7	21.1
11 27	1 16.73	+ 5 17.5	1.973	2.758	14.7	21.3

395423 2011 SY_{187} 10 19.9 84°.13 3°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.92	+19 48.6	1.823	2.664	14.4	20.5
9 28	1 58.71	+19 54.6	1.762	2.675	10.9	20.3
10 8	1 50.49	+19 44.6	1.723	2.687	7.1	20.2
10 18	1 41.09	+19 19.7	1.711	2.698	3.7	20.0
10 28	1 31.62	+18 43.5	1.727	2.709	3.9	20.0
11 7	1 23.16	+18 1.8	1.770	2.720	7.4	20.2
11 17	1 16.59	+17 21.0	1.840	2.731	10.9	20.5
11 27	1 12.48	+16 47.0	1.933	2.742	14.1	20.7

89442 2001 WA_{54} 10 19.9 118°.26 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.53	+14 25.5	1.856	2.712	13.5	20.1
9 28	1 58.95	+13 55.3	1.801	2.729	9.8	19.9
10 8	1 50.52	+13 12.9	1.770	2.746	5.6	19.7
10 18	1 41.09	+12 21.8	1.767	2.762	1.3	19.4
10 28	1 31.69	+11 27.5	1.793	2.777	3.4	19.6
11 7	1 23.34	+10 36.3	1.847	2.792	7.5	19.9
11 17	1 16.83	+ 9 53.6	1.928	2.807	11.2	20.2
11 27	1 12.65	+ 9 23.6	2.032	2.821	14.2	20.4

128592 2004 QM_{5} 10 19.9 106°.10 4°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.61	+ 1 39.1	1.623	2.508	13.5	19.9
9 28	1 58.49	+ 0 50.8	1.571	2.515	9.7	19.7
10 8	1 50.35	+ 0 1.3	1.544	2.522	5.9	19.5
10 18	1 41.07	− 0 42.9	1.543	2.529	4.1	19.4
10 28	1 31.78	− 1 15.2	1.570	2.536	6.6	19.6
11 7	1 23.59	− 1 31.2	1.623	2.543	10.4	19.8
11 17	1 17.35	− 1 28.5	1.699	2.549	13.9	20.1
11 27	1 13.59	− 1 7.2	1.796	2.555	16.9	20.3

22695 1998 QQ_{104} 10 19.9 182°.75 1°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.76	+ 5 53.9	2.329	3.202	10.5	19.0
9 28	1 55.35	+ 5 22.6	2.262	3.202	7.4	18.8
10 8	1 48.48	+ 4 47.3	2.222	3.202	4.1	18.6
10 18	1 40.77	+ 4 11.8	2.209	3.202	1.8	18.5
10 28	1 32.98	+ 3 40.3	2.226	3.202	4.0	18.6
11 7	1 25.87	+ 3 16.7	2.272	3.201	7.3	18.8
11 17	1 20.08	+ 3 3.8	2.344	3.201	10.3	19.0
11 27	1 16.11	+ 3 3.5	2.439	3.200	12.9	19.2

435623 2008 SA_{121} 10 19.9 76°.65 0°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.44	+14 5.4	1.588	2.457	14.7	21.8
9 28	1 57.76	+13 34.1	1.532	2.467	10.7	21.6
10 8	1 49.99	+12 49.1	1.499	2.477	6.1	21.3
10 18	1 41.02	+11 54.5	1.492	2.487	1.3	21.0
10 28	1 32.03	+10 56.8	1.513	2.498	3.8	21.2
11 7	1 24.16	+10 3.3	1.560	2.508	8.4	21.5
11 17	1 18.29	+ 9 20.3	1.633	2.518	12.4	21.8
11 27	1 14.97	+ 8 52.0	1.727	2.529	15.8	22.1

22960 1999 UE_{4} 10 19.9 41°.48 0°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.26	+ 9 22.1	1.128	2.020	17.6	17.2
9 28	2 0.28	+ 9 11.1	1.086	2.033	12.6	17.0
10 8	1 51.55	+ 8 49.9	1.065	2.048	7.0	16.7
10 18	1 41.28	+ 8 23.3	1.067	2.062	1.3	16.4
10 28	1 31.09	+ 7 58.2	1.094	2.078	5.2	16.7
11 7	1 22.51	+ 7 41.4	1.145	2.094	10.6	17.1
11 17	1 16.61	+ 7 37.8	1.219	2.111	15.3	17.4
11 27	1 13.95	+ 7 50.0	1.312	2.128	19.1	17.7

436611 2011 KE_{32} 10 19.9 56°.54 8°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 8.15	−10 41.1	1.469	2.349	15.0	20.4
9 28	2 1.00	−11 21.6	1.436	2.364	11.8	20.3
10 8	1 51.70	−11 48.6	1.425	2.378	9.3	20.2
10 18	1 41.29	−11 55.0	1.439	2.393	8.8	20.2
10 28	1 31.09	−11 36.1	1.478	2.408	10.6	20.3
11 7	1 22.31	−10 51.6	1.542	2.424	13.4	20.5
11 17	1 15.79	− 9 44.4	1.627	2.439	16.3	20.8
11 27	1 12.00	− 8 18.7	1.732	2.455	18.7	21.0

389437 2010 CH_{81} 10 19.9 103°.34 5°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.97	+27 20.7	2.019	2.815	14.8	21.1
9 28	2 0.79	+27 42.1	1.960	2.836	11.8	20.9
10 8	1 51.62	+27 43.3	1.923	2.857	8.7	20.8
10 18	1 41.30	+27 23.8	1.913	2.877	6.1	20.7
10 28	1 30.95	+26 45.8	1.930	2.897	5.6	20.7
11 7	1 21.68	+25 55.3	1.975	2.916	7.5	20.8
11 17	1 14.34	+24 59.1	2.048	2.934	10.3	21.1
11 27	1 9.48	+24 4.8	2.145	2.952	12.9	21.3

316173 2009 WB_{240} 10 19.9 339°.73 3°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	1 54.19	− 7 34.0	4.016	4.887	6.5	20.1
9 28	1 50.21	− 8 8.1	3.958	4.884	5.0	20.0
10 8	1 45.45	− 8 38.5	3.927	4.882	3.9	19.9
10 18	1 40.27	− 9 2.7	3.925	4.879	3.8	19.9
10 28	1 35.05	− 9 18.2	3.952	4.876	4.8	19.9
11 7	1 30.18	− 9 23.5	4.007	4.874	6.2	20.0
11 17	1 26.03	− 9 17.8	4.088	4.871	7.7	20.1
11 27	1 22.86	− 9 1.0	4.191	4.869	9.1	20.3

245326 2005 EL_{91} 10 19.9 13°.25 2°.0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 57.55	+11 8.3	1.446	2.334	14.7	19.6
9 28	1 53.69	+ 9 24.1	1.389	2.337	10.4	19.3
10 8	1 47.77	+ 7 25.1	1.356	2.340	5.6	19.1
10 18	1 40.66	+ 5 20.4	1.349	2.343	2.0	18.8
10 28	1 33.50	+ 3 21.8	1.369	2.348	5.6	19.1
11 7	1 27.41	+ 1 40.1	1.416	2.353	10.2	19.4
11 17	1 23.22	+ 0 22.6	1.487	2.358	14.3	19.6
11 27	1 21.49	− 0 27.4	1.577	2.364	17.7	19.9

143800 2003 WM_{115} 10 19.9 43°.69 4°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.77	+21 33.7	1.150	2.013	19.5	19.2
9 28	1 59.38	+21 35.1	1.103	2.027	14.9	19.0
10 8	1 51.13	+21 10.8	1.075	2.041	9.9	18.7
10 18	1 41.22	+20 22.5	1.069	2.056	5.3	18.5
10 28	1 31.32	+19 17.1	1.088	2.071	5.3	18.6
11 7	1 23.03	+18 5.5	1.130	2.087	9.6	18.9
11 17	1 17.46	+16 58.4	1.196	2.104	14.2	19.2
11 27	1 15.22	+16 4.8	1.282	2.120	18.2	19.5

77935 2002 GM_{54} 10 19.9 62°.61 3°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.46	+21 21.5	1.207	2.066	19.1	18.7
9 28	2 0.29	+20 59.8	1.168	2.090	14.4	18.4
10 8	1 51.48	+20 13.1	1.147	2.115	9.2	18.2
10 18	1 41.28	+19 4.9	1.151	2.139	4.5	18.1
10 28	1 31.28	+17 43.7	1.179	2.164	4.7	18.1
11 7	1 22.96	+16 20.7	1.234	2.189	9.2	18.5
11 17	1 17.31	+15 6.4	1.312	2.214	13.6	18.8
11 27	1 14.81	+14 8.4	1.410	2.238	17.4	19.1

512730 2016 UR_{24} 10 19.9 15°.65 6°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.20	+ 0 5.5	1.077	1.990	16.5	19.9
9 28	1 55.25	− 1 5.2	1.041	1.997	12.0	19.7
10 8	1 48.76	− 2 15.0	1.025	2.005	7.8	19.5
10 18	1 40.84	− 3 13.3	1.031	2.014	6.4	19.5
10 28	1 32.97	− 3 50.5	1.061	2.025	9.3	19.7
11 7	1 26.53	− 4 1.1	1.112	2.038	13.5	20.0
11 17	1 22.49	− 3 44.1	1.184	2.051	17.5	20.2
11 27	1 21.39	− 3 1.9	1.273	2.066	20.9	20.5

91537 1999 RG_{203} 10 19.9 310°.16 2°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.74	+21 8.7	2.070	2.907	13.0	18.7
9 28	1 54.93	+20 42.9	1.992	2.903	10.0	18.5
10 8	1 48.39	+20 0.1	1.937	2.899	6.5	18.2
10 18	1 40.79	+19 2.3	1.908	2.895	3.3	18.0
10 28	1 33.04	+17 54.0	1.908	2.891	3.4	18.0
11 7	1 26.06	+16 41.6	1.936	2.888	6.7	18.2
11 17	1 20.62	+15 32.1	1.991	2.884	10.2	18.4
11 27	1 17.26	+14 31.5	2.070	2.880	13.2	18.6

269521 2009 UU_{147} 10 19.9 113°.56 0°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.98	+12 2.8	1.706	2.572	14.0	20.8
9 28	1 59.44	+11 39.2	1.651	2.585	10.1	20.6
10 8	1 50.88	+11 5.0	1.620	2.598	5.6	20.4
10 18	1 41.20	+10 23.8	1.615	2.611	0.9	20.1
10 28	1 31.51	+ 9 41.2	1.639	2.623	3.8	20.3
11 7	1 22.93	+ 9 3.2	1.691	2.635	8.2	20.6
11 17	1 16.31	+ 8 34.9	1.768	2.646	12.0	20.9
11 27	1 12.18	+ 8 19.8	1.868	2.657	15.3	21.1

358150 2006 RS_{44} 10 19.9 358°.36 1°.2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.21	+10 8.5	1.472	2.359	14.5	20.5
9 28	1 54.95	+ 9 25.8	1.411	2.357	10.4	20.3
10 8	1 48.54	+ 8 31.9	1.372	2.355	5.7	20.0
10 18	1 40.82	+ 7 32.5	1.358	2.354	1.3	19.7
10 28	1 32.97	+ 6 35.1	1.371	2.353	4.7	19.9
11 7	1 26.14	+ 5 47.1	1.409	2.354	9.4	20.2
11 17	1 21.25	+ 5 14.3	1.471	2.355	13.6	20.5
11 27	1 18.93	+ 5 0.1	1.554	2.358	17.2	20.7

241648 2000 EN_{11} 10 19.9 196°.57 8°.4/ 7.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.24	−21 37.5	2.880	3.718	9.7	20.2
9 28	1 54.10	−23 5.6	2.844	3.715	8.7	20.1
10 8	1 47.73	−24 20.8	2.833	3.712	8.4	20.1
10 18	1 40.67	−25 17.5	2.848	3.709	8.9	20.1
10 28	1 33.57	−25 51.9	2.889	3.705	9.9	20.2
11 7	1 27.06	−26 2.8	2.952	3.702	11.3	20.3
11 17	1 21.70	−25 50.6	3.035	3.697	12.6	20.4
11 27	1 17.89	−25 17.7	3.135	3.693	13.7	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
166558 2002 RB_{99}			10 19.9 314.°80	10.°0/21.8 17		
	h m	° ′			°	m
9 18	2 19.62	+20 18.2	0.909	1.773	23.4	19.7
9 28	2 12.17	+22 59.9	0.840	1.759	18.9	19.4
10 8	1 59.61	+25 31.4	0.789	1.746	14.0	19.1
10 18	1 42.86	+27 38.5	0.759	1.733	10.4	18.9
10 28	1 24.31	+29 9.0	0.752	1.721	11.0	18.8
11 7	1 7.17	+30 1.0	0.767	1.710	15.3	19.0
11 17	0 54.20	+30 23.4	0.802	1.700	20.5	19.3
11 27	0 46.99	+30 31.7	0.853	1.690	25.1	19.6
404475 2013 GD_{136}			10 19.9 102.°79	5.°0/15.4 18		
9 18	2 2.32	− 4 33.5	2.224	3.101	10.7	20.9
9 28	1 56.44	− 5 12.2	2.172	3.106	8.0	20.7
10 8	1 49.09	− 5 46.7	2.145	3.112	5.7	20.6
10 18	1 40.90	− 6 12.1	2.147	3.117	5.0	20.6
10 28	1 32.72	− 6 24.3	2.176	3.122	6.7	20.7
11 7	1 25.32	− 6 20.8	2.233	3.127	9.3	20.8
11 17	1 19.35	− 6 0.9	2.315	3.132	11.9	21.0
11 27	1 15.28	− 5 25.4	2.418	3.137	14.1	21.2
200046 2007 TP_{371}			10 19.9 302.°33	0.°5/19.2 18		
9 18	1 53.71	+ 8 54.0	4.363	5.223	6.2	19.9
9 28	1 49.84	+ 8 34.5	4.289	5.222	4.4	19.7
10 8	1 45.26	+ 8 12.0	4.241	5.221	2.4	19.6
10 18	1 40.27	+ 7 48.0	4.224	5.219	0.5	19.4
10 28	1 35.23	+ 7 24.5	4.237	5.218	1.9	19.6
11 7	1 30.49	+ 7 3.5	4.281	5.217	4.0	19.7
11 17	1 26.40	+ 6 46.8	4.353	5.215	5.8	19.8
11 27	1 23.23	+ 6 36.0	4.451	5.214	7.5	20.0
205389 2001 DU_{10}			10 19.9 330.°87	2.°2/21.4 18		
9 18	2 0.96	+16 4.3	1.314	2.191	16.6	19.5
9 28	1 56.74	+16 7.7	1.236	2.173	12.5	19.2
10 8	1 49.84	+15 54.1	1.179	2.155	7.7	18.9
10 18	1 41.09	+15 24.9	1.146	2.139	2.9	18.5
10 28	1 31.85	+14 45.1	1.137	2.123	4.4	18.6
11 7	1 23.62	+14 2.3	1.153	2.109	9.6	18.9
11 17	1 17.66	+13 24.9	1.191	2.096	14.5	19.1
11 27	1 14.83	+13 0.0	1.250	2.083	18.8	19.3
77132 2001 DL_{101}			10 19.9 189.°61	2.°8/18.1 18		
9 18	2 6.70	+ 4 54.3	1.542	2.424	14.3	19.4
9 28	2 0.23	+ 4 21.6	1.481	2.424	10.2	19.1
10 8	1 51.47	+ 3 44.3	1.442	2.423	5.8	18.9
10 18	1 41.32	+ 3 7.7	1.430	2.422	2.8	18.7
10 28	1 31.04	+ 2 38.3	1.446	2.421	5.8	18.9
11 7	1 21.88	+ 2 21.6	1.488	2.420	10.2	19.1
11 17	1 14.82	+ 2 20.7	1.554	2.418	14.2	19.4
11 27	1 10.49	+ 2 37.2	1.641	2.416	17.6	19.6
333771 2011 EP_{30}			10 19.9 201.°98	4.°3/16.7 18		
9 18	2 4.79	+ 1 21.2	1.674	2.558	13.2	20.9
9 28	1 58.70	+ 0 28.2	1.613	2.556	9.6	20.7
10 8	1 50.56	− 0 26.5	1.577	2.554	5.9	20.5
10 18	1 41.18	− 1 16.1	1.567	2.552	4.3	20.4
10 28	1 31.69	− 1 53.8	1.584	2.549	6.8	20.5
11 7	1 23.20	− 2 14.6	1.629	2.546	10.6	20.8
11 17	1 16.60	− 2 15.9	1.697	2.542	14.2	21.0
11 27	1 12.49	− 1 57.5	1.785	2.538	17.2	21.2
45579 2000 CE_{80}			10 19.9 335.°06	3.°5/16.2 18		
9 18	1 58.09	+ 2 24.3	2.097	2.983	10.9	18.8
9 28	1 53.60	+ 1 17.7	2.035	2.979	7.8	18.6
10 8	1 47.59	+ 0 8.5	1.997	2.975	4.8	18.4
10 18	1 40.68	− 0 57.5	1.987	2.972	3.6	18.3
10 28	1 33.68	− 1 54.1	2.006	2.969	5.8	18.4
11 7	1 27.39	− 2 36.4	2.052	2.966	8.9	18.6
11 17	1 22.48	− 3 1.3	2.123	2.963	11.9	18.8
11 27	1 19.45	− 3 7.7	2.215	2.961	14.5	19.0
278550 2008 FZ_{48}			10 19.9 36.°01	1.°0/19.4 18		
9 18	2 4.26	+ 9 56.9	1.078	1.975	17.9	20.0
9 28	1 58.88	+ 9 33.4	1.041	1.990	12.8	19.7
10 8	1 50.78	+ 8 58.2	1.023	2.007	7.0	19.5
10 18	1 41.20	+ 8 17.5	1.029	2.025	1.3	19.2
10 28	1 31.76	+ 7 39.3	1.059	2.044	5.2	19.5
11 7	1 23.95	+ 7 11.3	1.113	2.063	10.7	19.9
11 17	1 18.79	+ 6 58.8	1.189	2.083	15.4	20.2
11 27	1 16.82	+ 7 4.2	1.284	2.104	19.2	20.5
200144 1998 DD_{21}			10 19.9 143.°73	1.°2/18.9 18		
9 18	2 3.62	+ 9 11.1	1.914	2.784	12.5	21.4
9 28	1 57.62	+ 8 29.3	1.853	2.791	8.9	21.2
10 8	1 49.85	+ 7 39.7	1.818	2.798	4.9	20.9
10 18	1 41.07	+ 6 46.7	1.810	2.805	1.3	20.7
10 28	1 32.24	+ 5 56.1	1.831	2.811	4.1	20.9
11 7	1 24.33	+ 5 13.6	1.880	2.817	8.1	21.2
11 17	1 18.11	+ 4 43.5	1.956	2.822	11.6	21.4
11 27	1 14.08	+ 4 28.3	2.053	2.827	14.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
189101 2001 RW_{112}			10 19.9 183.°47	0.°9/20.7 18		
	h m	° ′			°	m
9 18	2 5.07	+14 47.1	1.841	2.697	13.6	20.9
9 28	1 58.85	+14 23.1	1.770	2.697	9.9	20.6
10 8	1 50.64	+13 46.0	1.723	2.698	5.8	20.4
10 18	1 41.21	+12 58.9	1.702	2.697	1.5	20.1
10 28	1 31.63	+12 6.8	1.711	2.696	3.4	20.3
11 7	1 22.98	+11 16.1	1.748	2.695	7.7	20.5
11 17	1 16.15	+10 32.9	1.812	2.693	11.6	20.8
11 27	1 11.71	+10 1.9	1.897	2.691	14.9	21.0
395518 2011 UR_{133}			10 19.9 53.°27	0.°6/20.6 18		
9 18	2 0.66	+15 13.7	1.781	2.645	13.6	20.9
9 28	1 55.68	+14 29.8	1.718	2.650	9.9	20.7
10 8	1 48.84	+13 31.6	1.678	2.655	5.7	20.5
10 18	1 40.91	+12 23.3	1.665	2.660	1.3	20.2
10 28	1 32.91	+11 11.4	1.679	2.665	3.4	20.4
11 7	1 25.84	+10 3.3	1.722	2.670	7.7	20.7
11 17	1 20.51	+ 9 5.5	1.790	2.675	11.6	20.9
11 27	1 17.45	+ 8 22.6	1.881	2.681	14.8	21.1
220438 2003 WD_{7}			10 19.9 342.°45	13.°3/ 2.9 18		
9 18	1 55.27	−21 22.0	1.581	2.454	14.5	18.6
9 28	1 52.14	−23 54.8	1.545	2.438	13.5	18.5
10 8	1 46.99	−26 7.2	1.532	2.423	13.5	18.4
10 18	1 40.61	−27 47.5	1.540	2.409	14.6	18.5
10 28	1 34.06	−28 47.3	1.570	2.396	16.4	18.6
11 7	1 28.44	−29 4.3	1.617	2.385	18.4	18.7
11 17	1 24.61	−28 40.6	1.680	2.374	20.3	18.8
11 27	1 23.18	−27 41.5	1.755	2.365	21.9	19.0
282018 2011 HC_{82}			10 19.9 185.°80	1.°2/18.9 18		
9 18	2 4.47	+ 9 12.6	1.898	2.767	12.6	21.8
9 28	1 58.33	+ 8 35.4	1.830	2.768	9.0	21.5
10 8	1 50.31	+ 7 50.0	1.787	2.767	5.0	21.3
10 18	1 41.17	+ 7 0.7	1.771	2.766	1.2	21.0
10 28	1 31.90	+ 6 13.1	1.784	2.765	4.1	21.2
11 7	1 23.53	+ 5 33.1	1.826	2.763	8.2	21.5
11 17	1 16.86	+ 5 4.9	1.894	2.761	11.9	21.7
11 27	1 12.47	+ 4 51.4	1.983	2.758	15.0	21.9
325525 2009 RG_{72}			10 19.9 215.°21	1.°1/18.6 18		
9 18	1 58.23	+ 9 57.5	2.701	3.565	9.5	21.3
9 28	1 53.45	+ 8 52.3	2.623	3.559	6.7	21.2
10 8	1 47.43	+ 7 39.5	2.573	3.553	3.7	21.0
10 18	1 40.68	+ 6 23.2	2.551	3.546	1.1	20.7
10 28	1 33.83	+ 5 8.4	2.561	3.539	3.3	20.9
11 7	1 27.54	+ 4 0.2	2.601	3.532	6.4	21.1
11 17	1 22.36	+ 3 2.8	2.668	3.524	9.3	21.3
11 27	1 18.72	+ 2 19.0	2.760	3.516	11.7	21.4
238161 2003 SD_{81}			10 19.9 85.°50	1.°5/18.7 18		
9 18	2 1.84	+ 9 12.9	1.724	2.602	13.3	20.8
9 28	1 56.52	+ 8 21.7	1.665	2.607	9.4	20.6
10 8	1 49.31	+ 7 21.7	1.630	2.612	5.2	20.4
10 18	1 41.00	+ 6 18.1	1.622	2.617	1.5	20.1
10 28	1 32.64	+ 5 17.9	1.643	2.622	4.5	20.4
11 7	1 25.24	+ 4 27.7	1.690	2.628	8.7	20.6
11 17	1 19.63	+ 3 52.3	1.762	2.633	12.5	20.9
11 27	1 16.33	+ 3 34.3	1.856	2.638	15.6	21.1
156021 2001 RN_{101}			10 19.9 353.°05	3.°3/17.9 18		
9 18	1 58.36	+ 6 13.3	1.032	1.944	17.2	19.2
9 28	1 55.02	+ 5 27.4	0.978	1.936	12.3	18.9
10 8	1 48.88	+ 4 32.5	0.943	1.929	7.0	18.6
10 18	1 40.96	+ 3 36.6	0.930	1.924	3.3	18.4
10 28	1 32.80	+ 2 50.2	0.940	1.920	7.1	18.6
11 7	1 25.96	+ 2 22.0	0.973	1.918	12.5	18.9
11 17	1 21.65	+ 2 16.9	1.025	1.918	17.4	19.2
11 27	1 20.58	+ 2 36.5	1.094	1.919	21.5	19.5
481788 2008 SD_{300}			10 19.9 9.°52	1.°3/21.1 18		
9 18	2 0.29	+17 26.4	1.478	2.346	15.7	21.4
9 28	1 55.77	+16 34.1	1.414	2.346	11.6	21.1
10 8	1 49.04	+15 21.9	1.371	2.347	6.9	20.9
10 18	1 40.97	+13 54.6	1.354	2.348	2.1	20.6
10 28	1 32.79	+12 20.5	1.364	2.350	3.8	20.7
11 7	1 25.69	+10 50.0	1.400	2.352	8.7	21.0
11 17	1 20.63	+ 9 31.8	1.461	2.354	13.1	21.2
11 27	1 18.20	+ 8 32.6	1.543	2.357	16.8	21.5
327588 2006 DB_{160}			10 19.9 269.°20	3.°2/16.4 18		
9 18	1 58.37	+ 2 42.4	2.280	3.161	10.3	20.5
9 28	1 53.71	+ 1 36.5	2.215	3.158	7.4	20.4
10 8	1 47.64	+ 0 27.8	2.176	3.154	4.5	20.2
10 18	1 40.73	− 0 38.2	2.165	3.150	3.3	20.1
10 28	1 33.73	− 1 35.9	2.184	3.147	5.4	20.2
11 7	1 27.39	− 2 20.5	2.230	3.143	8.4	20.4
11 17	1 22.34	− 2 49.0	2.302	3.139	11.2	20.6
11 27	1 19.04	− 3 0.1	2.395	3.135	13.7	20.8

16984 Veillet 10 19.9 231.°93 3.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 4.21	+ 5 38.5	1.437	2.325	14.8	18.3
9 28	1 58.63	+ 4 28.8	1.373	2.320	10.6	18.1
10 8	1 50.68	+ 3 11.0	1.332	2.314	6.1	17.8
10 18	1 41.27	+ 1 53.0	1.317	2.308	3.5	17.6
10 28	1 31.66	+ 0 44.2	1.329	2.302	6.7	17.8
11 7	1 23.16	− 0 7.3	1.367	2.295	11.2	18.1
11 17	1 16.79	− 0 36.6	1.428	2.289	15.4	18.3
11 27	1 13.22	− 0 42.0	1.507	2.282	19.0	18.5

177660 2005 EJ_2 10 19.9 232.°96 11.°7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.41	− 7 39.8	1.161	2.065	16.3	19.0
9 28	1 57.67	−11 11.5	1.121	2.060	13.2	18.8
10 8	1 50.25	−14 36.6	1.105	2.055	11.7	18.7
10 18	1 41.20	−17 34.4	1.113	2.050	12.9	18.7
10 28	1 31.99	−19 48.2	1.145	2.045	15.9	18.9
11 7	1 24.13	−21 10.1	1.198	2.039	19.3	19.1
11 17	1 18.72	−21 41.2	1.267	2.033	22.5	19.3
11 27	1 16.42	−21 27.7	1.348	2.026	25.0	19.5

406776 2008 PB_{21} 10 19.9 13.°72 11.°6/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 14.53	+37 21.8	1.813	2.551	18.3	19.5
9 28	2 6.70	+39 32.6	1.746	2.556	16.1	19.3
10 8	1 55.62	+41 19.0	1.699	2.562	13.9	19.2
10 18	1 42.16	+42 33.2	1.675	2.569	12.2	19.1
10 28	1 27.88	+43 10.7	1.676	2.576	11.6	19.1
11 7	1 14.60	+43 13.7	1.701	2.585	12.3	19.2
11 17	1 3.88	+42 49.7	1.749	2.594	13.8	19.3
11 27	0 56.77	+42 9.6	1.818	2.604	15.8	19.4

517065 2013 CT_{40} 10 19.9 285.°76 7.°5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 0.68	− 6 52.3	1.795	2.682	12.3	21.1
9 28	1 55.82	− 8 30.2	1.726	2.661	9.6	20.9
10 8	1 49.03	−10 4.5	1.683	2.640	7.8	20.8
10 18	1 41.00	−11 26.2	1.665	2.619	7.9	20.8
10 28	1 32.70	−12 26.7	1.674	2.598	10.1	20.8
11 7	1 25.19	−13 0.5	1.707	2.576	13.0	21.0
11 17	1 19.32	−13 5.8	1.762	2.555	16.0	21.1
11 27	1 15.73	−12 43.8	1.834	2.534	18.6	21.3

223457 2003 UD_{43} 10 19.9 304.°98 0.°5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.55	+11 57.9	2.197	3.055	11.6	19.8
9 28	1 57.58	+12 5.5	2.119	3.049	8.4	19.6
10 8	1 49.90	+12 5.7	2.066	3.042	4.9	19.4
10 18	1 41.14	+12 0.1	2.041	3.036	1.1	19.1
10 28	1 32.18	+11 51.2	2.045	3.030	3.0	19.3
11 7	1 23.90	+11 42.8	2.078	3.024	6.8	19.5
11 17	1 17.10	+11 38.3	2.139	3.018	10.2	19.7
11 27	1 12.33	+11 40.9	2.222	3.012	13.1	19.9

395003 2009 BV_{119} 10 19.9 316.°82 1.°6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.73	+15 47.3	1.519	2.388	15.2	21.2
9 28	1 56.98	+15 35.0	1.440	2.373	11.4	21.0
10 8	1 49.86	+15 6.6	1.383	2.359	6.9	20.7
10 18	1 41.16	+14 24.6	1.351	2.345	2.3	20.4
10 28	1 32.09	+13 34.3	1.345	2.331	3.9	20.4
11 7	1 23.94	+12 43.1	1.365	2.318	8.8	20.7
11 17	1 17.81	+11 58.6	1.409	2.305	13.3	20.9
11 27	1 14.45	+11 27.1	1.475	2.293	17.2	21.2

331052 2009 VF_{110} 10 19.9 350.°01 4.°4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.98	− 0 32.4	1.869	2.757	11.9	19.8
9 28	1 55.12	− 1 15.9	1.809	2.753	8.6	19.6
10 8	1 48.53	− 1 58.7	1.773	2.749	5.6	19.4
10 18	1 40.91	− 2 35.1	1.764	2.745	4.5	19.3
10 28	1 33.18	− 2 59.6	1.782	2.743	6.6	19.4
11 7	1 26.28	− 3 8.2	1.827	2.740	9.8	19.6
11 17	1 20.96	− 2 59.2	1.895	2.738	13.0	19.8
11 27	1 17.75	− 2 32.5	1.984	2.737	15.7	20.0

481715 2008 EY_{11} 10 19.9 282.°10 2.°0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 6.42	+15 25.2	1.982	2.830	13.1	21.3
9 28	1 59.98	+15 48.0	1.893	2.814	9.8	21.1
10 8	1 51.42	+16 0.6	1.827	2.797	6.1	20.8
10 18	1 41.43	+16 3.2	1.789	2.781	2.5	20.6
10 28	1 31.02	+15 57.9	1.780	2.764	3.5	20.6
11 7	1 21.31	+15 48.5	1.799	2.747	7.5	20.8
11 17	1 13.28	+15 39.4	1.846	2.730	11.3	21.0
11 27	1 7.65	+15 35.3	1.915	2.714	14.6	21.2

172756 2004 DJ_{12} 10 19.9 263.°42 0.°1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 3.23	+12 1.9	2.093	2.954	12.0	20.4
9 28	1 57.51	+11 43.4	2.004	2.935	8.7	20.1
10 8	1 49.95	+11 15.4	1.939	2.917	5.0	19.9
10 18	1 41.17	+10 40.5	1.903	2.898	0.9	19.5
10 28	1 32.09	+10 2.9	1.895	2.879	3.3	19.7
11 7	1 23.67	+ 9 27.5	1.916	2.860	7.4	19.9
11 17	1 16.75	+ 8 59.3	1.964	2.840	11.1	20.1
11 27	1 11.96	+ 8 42.0	2.035	2.820	14.3	20.3

402007 2003 QZ_{51} 10 19.9 9.°43 9.°3/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 7.07	+31 16.2	1.626	2.419	17.9	19.5
9 28	2 1.05	+32 47.7	1.561	2.422	15.1	19.3
10 8	1 52.25	+33 55.8	1.515	2.427	12.3	19.2
10 18	1 41.58	+34 35.3	1.493	2.432	10.0	19.0
10 28	1 30.45	+34 44.8	1.495	2.439	9.3	19.0
11 7	1 20.40	+34 28.1	1.521	2.446	10.6	19.1
11 17	1 12.71	+33 53.0	1.572	2.455	13.0	19.3
11 27	1 8.22	+33 9.7	1.643	2.465	15.6	19.5

83452 2001 SG_{62} 10 19.9 331.°71 1.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 56.00	+ 9 49.5	2.070	2.948	11.3	18.6
9 28	1 52.22	+ 8 27.5	1.994	2.936	8.0	18.4
10 8	1 46.90	+ 6 55.0	1.943	2.925	4.4	18.2
10 18	1 40.65	+ 5 17.8	1.920	2.914	1.6	18.0
10 28	1 34.25	+ 3 43.5	1.927	2.904	4.4	18.1
11 7	1 28.51	+ 2 19.3	1.962	2.894	8.1	18.3
11 17	1 24.14	+ 1 10.8	2.022	2.885	11.5	18.5
11 27	1 21.62	+ 0 21.7	2.105	2.876	14.4	18.7

250000 2001 XB_{242} 10 19.9 46.°44 6.°3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 4.35	− 5 44.2	1.699	2.584	13.1	19.8
9 28	1 58.19	− 6 23.5	1.660	2.596	9.8	19.6
10 8	1 50.17	− 6 55.9	1.643	2.609	7.1	19.5
10 18	1 41.18	− 7 15.2	1.653	2.622	6.4	19.5
10 28	1 32.28	− 7 16.7	1.690	2.636	8.3	19.6
11 7	1 24.48	− 6 58.4	1.752	2.650	11.2	19.8
11 17	1 18.56	− 6 20.6	1.838	2.664	14.1	20.1
11 27	1 14.98	− 5 25.4	1.943	2.678	16.6	20.3

449509 2014 GV_{38} 10 19.9 296.°49 2.°0/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 5.82	+15 38.9	1.727	2.583	14.3	20.9
9 28	1 59.67	+15 54.3	1.651	2.577	10.7	20.6
10 8	1 51.27	+15 57.4	1.598	2.570	6.6	20.4
10 18	1 41.41	+15 49.0	1.572	2.564	2.6	20.1
10 28	1 31.24	+15 32.1	1.573	2.558	3.7	20.2
11 7	1 21.98	+15 11.6	1.602	2.552	8.0	20.4
11 17	1 14.64	+14 53.2	1.656	2.546	12.1	20.7
11 27	1 9.94	+14 41.9	1.733	2.540	15.5	20.9

488040 2015 UB_{44} 10 19.9 311.°45 5.°1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.04	− 1 46.3	1.968	2.857	11.4	20.9
9 28	1 54.41	− 3 0.2	1.906	2.849	8.4	20.7
10 8	1 48.13	− 4 13.6	1.869	2.841	5.8	20.5
10 18	1 40.86	− 5 19.7	1.859	2.833	5.3	20.4
10 28	1 33.47	− 6 11.6	1.877	2.826	7.3	20.6
11 7	1 26.83	− 6 44.7	1.921	2.819	10.3	20.7
11 17	1 21.67	− 6 56.7	1.988	2.812	13.3	20.9
11 27	1 18.51	− 6 47.6	2.076	2.805	15.8	21.1

437172 2012 VA_{63} 10 19.9 43.°15 0.°9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 1.58	+11 46.4	1.321	2.208	16.0	21.0
9 28	1 56.65	+10 49.4	1.278	2.223	11.4	20.8
10 8	1 49.48	+ 9 39.2	1.257	2.240	6.2	20.5
10 18	1 41.08	+ 8 22.8	1.261	2.257	1.1	20.2
10 28	1 32.76	+ 7 9.3	1.291	2.274	4.7	20.5
11 7	1 25.76	+ 6 7.4	1.346	2.292	9.6	20.9
11 17	1 20.95	+ 5 23.2	1.425	2.311	13.9	21.2
11 27	1 18.83	+ 4 59.7	1.524	2.330	17.4	21.5

10639 Gleason 10 20.0 119.°03 1.°3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 7.22	+16 24.1	1.498	2.357	15.9	17.9
9 28	2 0.60	+15 50.2	1.443	2.372	11.7	17.7
10 8	1 51.68	+14 59.2	1.411	2.386	6.9	17.5
10 18	1 41.45	+13 55.1	1.405	2.400	2.0	17.2
10 28	1 31.25	+12 45.2	1.427	2.413	3.9	17.3
11 7	1 22.36	+11 38.0	1.476	2.425	8.6	17.7
11 17	1 15.72	+10 41.2	1.550	2.437	12.9	17.9
11 27	1 11.89	+10 0.1	1.646	2.449	16.4	18.2

393009 2012 XZ_{138} 10 20.0 319.°38 3.°7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 2.71	+20 40.2	1.539	2.390	16.0	20.4
9 28	1 57.72	+20 45.1	1.462	2.380	12.4	20.1
10 8	1 50.30	+20 30.5	1.405	2.370	8.2	19.9
10 18	1 41.26	+19 56.8	1.373	2.360	4.5	19.6
10 28	1 31.86	+19 7.9	1.367	2.350	4.6	19.6
11 7	1 23.44	+18 11.1	1.387	2.341	8.5	19.8
11 17	1 17.10	+17 14.9	1.432	2.333	12.8	20.1
11 27	1 13.61	+16 27.2	1.498	2.325	16.6	20.3

330948 2009 SH_{283} 10 20.0 338.°08 2.°5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	1 59.40	+ 5 36.8	1.638	2.528	13.2	20.1
9 28	1 55.04	+ 5 5.3	1.566	2.513	9.4	19.8
10 8	1 48.66	+ 4 28.4	1.517	2.499	5.3	19.5
10 18	1 40.98	+ 3 51.0	1.493	2.486	2.5	19.3
10 28	1 33.04	+ 3 19.2	1.496	2.474	5.3	19.5
11 7	1 25.94	+ 2 58.8	1.525	2.462	9.6	19.7
11 17	1 20.59	+ 2 53.4	1.578	2.452	13.5	19.9
11 27	1 17.65	+ 3 5.1	1.652	2.442	16.9	20.1