315118 2007 EU_{65} 10 27.9 133°.72 3°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 33.28	+ 4 5.1	2.540	3.345	11.8	21.1
9 28	2 29.40	+ 3 8.5	2.467	3.354	9.3	20.9
10 8	2 23.87	+ 2 8.5	2.417	3.362	6.5	20.7
10 18	2 17.14	+ 1 9.3	2.394	3.369	4.1	20.6
10 28	2 9.84	+ 0 15.9	2.401	3.377	3.7	20.6
11 7	2 2.67	− 0 27.5	2.437	3.384	5.8	20.7
11 17	1 56.30	− 0 57.6	2.501	3.391	8.5	20.9
11 27	1 51.28	− 1 12.6	2.590	3.397	11.0	21.1

442849 2013 AA_{122} 10 27.9 43°.37 3°.5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 35.99	+ 6 11.1	1.783	2.601	15.6	20.9
9 28	2 32.35	+ 5 33.5	1.710	2.605	12.3	20.7
10 8	2 26.35	+ 4 50.3	1.659	2.609	8.5	20.5
10 18	2 18.54	+ 4 6.2	1.632	2.613	4.9	20.3
10 28	2 9.84	+ 3 26.7	1.632	2.617	3.7	20.2
11 7	2 1.30	+ 2 57.6	1.660	2.621	6.6	20.4
11 17	1 53.92	+ 2 42.7	1.714	2.626	10.4	20.6
11 27	1 48.50	+ 2 44.4	1.792	2.630	13.8	20.9

517591 2014 WL_{118} 10 27.9 314°.62 1°.3/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 40.43	+11 24.9	1.310	2.133	19.9	21.0
9 28	2 37.01	+11 18.8	1.234	2.131	15.9	20.8
10 8	2 30.27	+11 2.0	1.177	2.128	11.1	20.5
10 18	2 20.80	+10 37.0	1.142	2.126	5.6	20.2
10 28	2 9.83	+10 8.6	1.131	2.124	1.4	19.9
11 7	1 58.96	+ 9 43.3	1.147	2.122	6.4	20.2
11 17	1 49.70	+ 9 27.1	1.187	2.120	11.8	20.5
11 27	1 43.25	+ 9 25.1	1.249	2.119	16.5	20.8

347508 1999 RJ_{25} 10 27.9 29°.64 4°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 38.55	+22 46.4	1.337	2.132	21.0	19.3
9 28	2 35.50	+23 33.2	1.274	2.144	17.3	19.1
10 8	2 29.14	+24 1.7	1.229	2.158	13.0	18.9
10 18	2 20.15	+24 9.2	1.205	2.173	8.4	18.7
10 28	2 9.83	+23 55.8	1.204	2.188	4.9	18.5
11 7	1 59.79	+23 26.2	1.229	2.205	6.1	18.6
11 17	1 51.49	+22 47.6	1.279	2.222	10.1	18.9
11 27	1 46.01	+22 9.2	1.352	2.240	14.2	19.2

214964 2007 YX_{46} 10 27.9 1°.51 2°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 33.77	+ 8 16.9	1.589	2.416	16.7	19.9
9 28	2 30.98	+ 7 43.4	1.515	2.415	13.2	19.7
10 8	2 25.62	+ 7 1.8	1.461	2.415	9.1	19.5
10 18	2 18.25	+ 6 16.6	1.431	2.415	4.9	19.2
10 28	2 9.84	+ 5 34.0	1.427	2.416	3.1	19.1
11 7	2 1.56	+ 5 0.1	1.450	2.417	6.6	19.3
11 17	1 54.53	+ 4 40.1	1.498	2.419	10.8	19.6
11 27	1 49.62	+ 4 37.1	1.568	2.422	14.6	19.8

474903 2005 SH_{196} 10 27.9 66°.26 0°.8/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 39.52	+14 5.5	1.415	2.228	19.1	21.8
9 28	2 35.60	+13 37.6	1.359	2.250	15.1	21.6
10 8	2 28.76	+12 56.2	1.323	2.271	10.4	21.4
10 18	2 19.77	+12 4.8	1.309	2.293	5.2	21.1
10 28	2 9.84	+11 9.4	1.321	2.314	0.8	20.9
11 7	2 0.36	+10 17.3	1.360	2.336	5.6	21.3
11 17	1 52.52	+ 9 35.4	1.425	2.357	10.3	21.6
11 27	1 47.19	+ 9 8.6	1.514	2.379	14.4	21.9

215440 2002 LD_{47} 10 27.9 66°.70 5°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 38.96	+ 6 0.7	1.291	2.126	19.4	19.9
9 28	2 35.17	+ 4 37.3	1.246	2.150	15.2	19.7
10 8	2 28.42	+ 3 6.9	1.222	2.175	10.5	19.5
10 18	2 19.55	+ 1 38.1	1.220	2.200	6.4	19.3
10 28	2 9.85	+ 0 21.2	1.245	2.225	5.7	19.4
11 7	2 0.71	− 0 35.3	1.295	2.249	8.9	19.6
11 17	1 53.32	− 1 6.7	1.369	2.274	13.0	19.9
11 27	1 48.47	− 1 12.1	1.464	2.298	16.5	20.2

487056 2014 OA_{73} 10 27.9 46°.39 5°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 33.25	+ 1 5.7	2.039	2.859	13.8	20.4
9 28	2 29.82	+ 0 3.8	1.971	2.865	10.9	20.2
10 8	2 24.39	− 0 59.9	1.926	2.871	7.9	20.1
10 18	2 17.48	− 1 59.8	1.907	2.877	5.6	19.9
10 28	2 9.85	− 2 49.6	1.915	2.884	5.4	20.0
11 7	2 2.39	− 3 24.2	1.951	2.890	7.6	20.1
11 17	1 55.92	− 3 40.5	2.013	2.897	10.5	20.3
11 27	1 51.10	− 3 37.4	2.098	2.903	13.3	20.5

368030 2012 GX_{27} 10 27.9 124°.53 3°.0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 33.26	+ 5 11.4	2.519	3.324	11.9	21.1
9 28	2 29.44	+ 4 30.9	2.441	3.328	9.4	21.0
10 8	2 23.94	+ 3 46.9	2.387	3.333	6.5	20.8
10 18	2 17.20	+ 3 2.9	2.359	3.337	3.9	20.6
10 28	2 9.85	+ 2 23.0	2.360	3.342	3.2	20.6
11 7	2 2.61	+ 1 51.4	2.391	3.346	5.4	20.8
11 17	1 56.16	+ 1 31.0	2.450	3.350	8.2	20.9
11 27	1 51.08	+ 1 23.8	2.534	3.354	10.8	21.1

436114 2009 SF_{360} 10 27.9 347°.74 2°.7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 18	2 37.09	+ 7 38.7	1.189	2.031	20.3	20.4
9 28	2 34.67	+ 7 41.6	1.116	2.024	16.2	20.1
10 8	2 28.83	+ 7 38.5	1.061	2.017	11.3	19.9
10 18	2 20.14	+ 7 32.7	1.027	2.012	6.0	19.5
10 28	2 9.85	+ 7 29.4	1.016	2.007	2.8	19.3
11 7	1 59.61	+ 7 33.8	1.030	2.004	7.3	19.6
11 17	1 51.01	+ 7 50.2	1.067	2.002	12.7	19.9
11 27	1 45.30	+ 8 21.6	1.126	2.000	17.5	20.2

421449 2014 MK_{43} 10 27.9 62°.28 3°.5/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 34.64	+26 12.1	2.186	2.933	15.2	20.5
9 28	2 31.07	+26 10.4	2.104	2.944	12.6	20.3
10 8	2 25.34	+25 51.9	2.043	2.954	9.6	20.1
10 18	2 18.00	+25 16.4	2.006	2.965	6.3	20.0
10 28	2 9.86	+24 25.5	1.995	2.976	3.8	19.8
11 7	2 1.88	+23 23.7	2.014	2.987	4.3	19.9
11 17	1 54.95	+22 16.8	2.060	2.998	7.2	20.1
11 27	1 49.80	+21 11.6	2.134	3.009	10.3	20.3

226654 2004 FV_{134} 10 27.9 131°.95 2°.3/29.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 18	2 41.35	+21 22.7	1.943	2.706	16.4	21.3
9 28	2 36.52	+21 20.7	1.865	2.720	13.3	21.1
10 8	2 29.21	+21 3.5	1.807	2.733	9.7	20.9
10 18	2 20.00	+20 31.2	1.774	2.746	5.7	20.7
10 28	2 9.87	+19 46.1	1.768	2.758	2.4	20.5
11 7	1 59.95	+18 53.1	1.792	2.769	4.3	20.7
11 17	1 51.30	+17 58.5	1.844	2.780	8.1	20.9
11 27	1 44.74	+17 8.7	1.923	2.790	11.7	21.2

155198 2005 UO_{432} 10 28.0 184°.25 1°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.21	+12 8.4	1.866	2.747	12.1	21.4
10 8	2 27.62	+11 28.3	1.802	2.747	8.4	21.2
10 18	2 19.22	+10 40.6	1.764	2.747	4.2	20.9
10 28	2 9.88	+ 9 49.8	1.754	2.746	1.2	20.7
11 7	2 0.64	+ 9 1.6	1.773	2.745	5.0	21.0
11 17	1 52.49	+ 8 21.3	1.820	2.744	9.0	21.2
11 27	1 46.27	+ 7 53.3	1.893	2.742	12.7	21.4
12 7	1 42.44	+ 7 40.2	1.986	2.739	15.6	21.6

441904 2010 EZ_{102} 10 28.0 89°.03 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.26	+16 39.8	1.782	2.656	13.0	21.8
10 8	2 27.57	+16 8.0	1.736	2.675	9.1	21.6
10 18	2 19.12	+15 25.2	1.714	2.695	4.7	21.4
10 28	2 9.88	+14 35.2	1.721	2.714	0.5	21.2
11 7	2 0.93	+13 43.8	1.755	2.733	4.3	21.5
11 17	1 53.25	+12 56.6	1.818	2.751	8.4	21.8
11 27	1 47.60	+12 19.1	1.907	2.770	12.0	22.0
12 7	1 44.38	+11 54.4	2.017	2.788	14.9	22.3

479352 2013 WA_{95} 10 28.0 284°.93 3°.1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.68	+22 53.0	1.476	2.342	15.6	20.7
10 8	2 27.85	+22 31.1	1.403	2.333	11.6	20.5
10 18	2 19.57	+21 48.2	1.352	2.324	7.1	20.2
10 28	2 9.88	+20 46.6	1.327	2.315	3.3	20.0
11 7	2 0.18	+19 32.3	1.328	2.306	5.2	20.1
11 17	1 51.82	+18 14.3	1.356	2.298	9.8	20.3
11 27	1 45.92	+17 2.5	1.407	2.289	14.2	20.5
12 7	1 43.06	+16 4.5	1.480	2.280	18.0	20.8

515984 2015 RR_{198} 10 28.0 18°.39 3°.6/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.42	+ 5 40.6	1.749	2.645	11.9	20.7
10 8	2 25.01	+ 4 44.6	1.696	2.647	8.3	20.5
10 18	2 17.88	+ 3 47.3	1.669	2.650	4.8	20.3
10 28	2 9.89	+ 2 54.6	1.669	2.653	3.8	20.3
11 7	2 2.04	+ 2 12.9	1.696	2.656	6.7	20.5
11 17	1 55.29	+ 1 46.4	1.750	2.659	10.3	20.7
11 27	1 50.39	+ 1 38.0	1.827	2.663	13.7	20.9
12 7	1 47.79	+ 1 47.6	1.924	2.667	16.4	21.1

443335 2014 GV_{4} 10 28.0 228°.87 0°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.81	+17 2.8	1.874	2.745	12.5	22.0
10 8	2 27.46	+16 43.1	1.802	2.739	8.9	21.8
10 18	2 19.20	+16 11.9	1.754	2.733	4.8	21.5
10 28	2 9.89	+15 32.0	1.734	2.727	0.9	21.2
11 7	2 0.59	+14 48.0	1.743	2.721	4.3	21.5
11 17	1 52.35	+14 5.6	1.780	2.714	8.5	21.7
11 27	1 46.04	+13 30.4	1.843	2.707	12.2	21.9
12 7	1 42.19	+13 6.5	1.927	2.700	15.4	22.1

116842 2004 FN_{42} 10 28.0 76°.48 2°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.68	+ 7 47.0	1.800	2.692	11.9	19.9
10 8	2 25.78	+ 6 52.8	1.753	2.703	8.2	19.7
10 18	2 18.22	+ 5 55.6	1.732	2.714	4.4	19.5
10 28	2 9.89	+ 5 1.1	1.738	2.725	2.9	19.5
11 7	2 1.78	+ 4 15.4	1.773	2.737	6.0	19.7
11 17	1 54.80	+ 3 42.9	1.834	2.748	9.7	19.9
11 27	1 49.68	+ 3 26.7	1.920	2.759	12.9	20.2
12 7	1 46.83	+ 3 27.3	2.026	2.770	15.7	20.4

291745 2006 KH_1 10 28.0 212°.08 1°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.93	+22 27.2	1.926	2.783	12.9	20.4
10 8	2 26.09	+21 29.9	1.852	2.779	9.4	20.2
10 18	2 18.45	+20 14.7	1.803	2.776	5.5	19.9
10 28	2 9.89	+18 45.3	1.781	2.772	2.0	19.7
11 7	2 1.43	+17 8.4	1.789	2.768	4.1	19.8
11 17	1 54.05	+15 32.3	1.826	2.763	8.1	20.1
11 27	1 48.55	+14 4.9	1.890	2.758	11.8	20.3
12 7	1 45.42	+12 52.1	1.976	2.753	14.9	20.5

477472 2010 AS_5 10 28.0 305°.72 1°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.68	+17 20.9	1.433	2.318	14.8	21.1
10 8	2 27.24	+16 58.6	1.356	2.300	10.7	20.8
10 18	2 19.31	+16 20.9	1.300	2.281	5.8	20.5
10 28	2 9.89	+15 31.1	1.271	2.264	1.1	20.2
11 7	2 0.31	+14 35.4	1.267	2.246	5.2	20.4
11 17	1 51.96	+13 41.6	1.289	2.229	10.4	20.7
11 27	1 45.99	+12 57.8	1.335	2.212	15.1	20.9
12 7	1 43.10	+12 29.6	1.400	2.196	19.0	21.1

232564 2003 SQ_{286} 10 28.0 117°.47 6°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.73	+31 47.3	2.000	2.806	14.4	19.9
10 8	2 30.18	+32 10.2	1.938	2.820	11.6	19.7
10 18	2 20.58	+32 11.7	1.900	2.833	8.6	19.5
10 28	2 9.90	+31 50.7	1.887	2.846	6.4	19.4
11 7	1 59.37	+31 10.0	1.903	2.859	6.4	19.5
11 17	1 50.12	+30 15.1	1.946	2.871	8.4	19.6
11 27	1 43.07	+29 14.0	2.015	2.883	11.2	19.8
12 7	1 38.72	+28 14.4	2.108	2.895	13.8	20.0

234741 2002 LH_{59} 10 28.0 155°.64 6°.0/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.30	− 3 15.2	2.119	3.003	10.7	20.8
10 8	2 26.03	− 4 27.4	2.075	3.010	8.1	20.6
10 18	2 18.31	− 5 33.4	2.057	3.016	6.2	20.5
10 28	2 9.91	− 6 26.9	2.067	3.022	6.3	20.6
11 7	2 1.68	− 7 2.8	2.105	3.027	8.3	20.7
11 17	1 54.43	− 7 18.6	2.170	3.031	10.9	20.9
11 27	1 48.81	− 7 13.7	2.258	3.035	13.3	21.1
12 7	1 45.22	− 6 49.8	2.365	3.039	15.4	21.2

405735 2005 YR_{22} 10 28.0 323°.07 4°.6/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.05	+27 11.8	1.841	2.683	14.0	20.3
10 8	2 25.78	+27 13.7	1.760	2.670	10.9	20.0
10 18	2 18.44	+26 55.9	1.701	2.657	7.6	19.8
10 28	2 9.90	+26 18.7	1.667	2.644	4.9	19.6
11 7	2 1.28	+25 25.3	1.661	2.632	5.4	19.6
11 17	1 53.71	+24 21.9	1.681	2.620	8.5	19.8
11 27	1 48.15	+23 16.5	1.727	2.609	12.0	20.0
12 7	1 45.18	+22 16.6	1.795	2.598	15.2	20.2

411892 2012 FT_{36} 10 28.0 156°.58 0°.6/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.07	+11 57.1	2.270	3.147	10.4	21.4
10 8	2 25.93	+11 46.2	2.205	3.148	7.2	21.2
10 18	2 18.31	+11 30.2	2.166	3.148	3.6	21.0
10 28	2 9.91	+11 11.6	2.156	3.149	0.6	20.8
11 7	2 1.57	+10 53.8	2.175	3.149	4.0	21.0
11 17	1 54.10	+10 40.2	2.223	3.150	7.5	21.3
11 27	1 48.18	+10 33.7	2.298	3.150	10.6	21.5
12 7	1 44.25	+10 36.6	2.396	3.150	13.2	21.7

99571 2002 FJ_{16} 10 28.0 139°.44 2°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.90	+ 8 34.1	1.773	2.662	12.3	19.7
10 8	2 27.43	+ 7 58.4	1.717	2.666	8.4	19.5
10 18	2 19.14	+ 7 18.8	1.686	2.669	4.4	19.3
10 28	2 9.92	+ 6 40.2	1.683	2.673	2.4	19.1
11 7	2 0.86	+ 6 7.9	1.708	2.676	5.7	19.4
11 17	1 52.94	+ 5 46.4	1.761	2.679	9.7	19.6
11 27	1 46.99	+ 5 38.8	1.838	2.682	13.2	19.8
12 7	1 43.47	+ 5 46.4	1.935	2.685	16.1	20.0

261824 2006 CC_{62} 10 28.0 177°.68 0°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.55	+17 21.6	2.736	3.597	9.4	21.5
10 8	2 24.71	+17 2.3	2.666	3.598	6.7	21.3
10 18	2 17.64	+16 34.9	2.622	3.599	3.6	21.1
10 28	2 9.92	+16 1.4	2.607	3.599	0.8	20.9
11 7	2 2.26	+15 25.0	2.623	3.600	3.1	21.1
11 17	1 55.32	+14 49.3	2.669	3.600	6.2	21.3
11 27	1 49.69	+14 17.9	2.742	3.599	8.9	21.5
12 7	1 45.76	+13 53.9	2.840	3.599	11.3	21.6

44549 1999 BH_{13} 10 28.0 290°.37 1°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 26.49	+ 9 47.0	3.030	3.910	8.0	18.8
10 8	2 21.83	+ 9 11.9	2.958	3.903	5.5	18.7
10 18	2 16.14	+ 8 33.4	2.913	3.896	2.8	18.5
10 28	2 9.92	+ 7 54.6	2.899	3.889	1.3	18.3
11 7	2 3.72	+ 7 18.6	2.914	3.882	3.6	18.5
11 17	1 58.10	+ 6 48.4	2.958	3.875	6.3	18.7
11 27	1 53.53	+ 6 26.6	3.030	3.868	8.7	18.8
12 7	1 50.38	+ 6 14.8	3.125	3.861	10.8	19.0

159531 2001 HO_{13} 10 28.0 94°.45 1°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.95	+12 34.4	2.301	3.182	10.1	19.7
10 8	2 23.71	+11 40.5	2.242	3.187	6.9	19.5
10 18	2 17.14	+10 40.1	2.210	3.193	3.5	19.3
10 28	2 9.93	+ 9 37.4	2.207	3.199	1.1	19.1
11 7	2 2.84	+ 8 37.6	2.233	3.205	4.2	19.3
11 17	1 56.59	+ 7 45.4	2.288	3.210	7.5	19.6
11 27	1 51.80	+ 7 4.7	2.370	3.216	10.5	19.8
12 7	1 48.86	+ 6 37.7	2.473	3.221	13.0	20.0

516289 2016 WG_{37} 10 28.0 58°.84 3°.5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.68	+ 4 23.3	1.557	2.449	13.4	20.7
10 8	2 29.40	+ 4 11.8	1.515	2.463	9.3	20.5
10 18	2 20.13	+ 4 1.7	1.497	2.477	5.3	20.3
10 28	2 9.93	+ 3 57.3	1.506	2.492	3.6	20.2
11 7	2 0.05	+ 4 2.6	1.542	2.506	6.7	20.4
11 17	1 51.58	+ 4 20.0	1.605	2.521	10.6	20.7
11 27	1 45.38	+ 4 50.6	1.692	2.536	14.2	21.0
12 7	1 41.87	+ 5 33.9	1.799	2.550	17.1	21.2

97074 1999 VR_{30} 10 28.0 336°.31 0°.0/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.27	+14 58.1	1.971	2.850	11.6	19.3
10 8	2 24.90	+14 29.4	1.903	2.846	8.1	19.0
10 18	2 17.86	+13 51.4	1.860	2.842	4.2	18.8
10 28	2 9.93	+13 7.7	1.845	2.839	0.0	18.4
11 7	2 2.06	+12 23.1	1.859	2.836	4.2	18.8
11 17	1 55.13	+11 42.7	1.900	2.833	8.1	19.0
11 27	1 49.93	+11 11.4	1.967	2.830	11.7	19.2
12 7	1 46.92	+10 52.1	2.056	2.827	14.6	19.4

318509 2005 ES_{161} 10 28.0 113°.64 3°.0/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.18	+ 8 42.3	1.561	2.452	13.4	21.1
10 8	2 28.33	+ 7 31.6	1.518	2.468	9.2	20.9
10 18	2 19.57	+ 6 16.2	1.500	2.483	4.9	20.7
10 28	2 9.94	+ 5 3.8	1.510	2.498	3.2	20.6
11 7	2 0.65	+ 4 1.8	1.548	2.512	6.6	20.9
11 17	1 52.76	+ 3 16.1	1.612	2.526	10.7	21.1
11 27	1 47.09	+ 2 50.2	1.700	2.539	14.4	21.4
12 7	1 44.03	+ 2 44.6	1.808	2.552	17.3	21.6

349673 2008 WB_{74} 10 28.0 246°.68 5°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.83	− 1 13.9	2.026	2.911	11.1	21.0
10 8	2 27.33	− 2 2.4	1.958	2.897	8.2	20.8
10 18	2 19.11	− 2 46.7	1.915	2.883	5.8	20.7
10 28	2 9.95	− 3 21.1	1.901	2.868	5.6	20.6
11 7	2 0.78	− 3 40.6	1.915	2.852	7.9	20.7
11 17	1 52.53	− 3 42.1	1.956	2.837	10.9	20.9
11 27	1 46.01	− 3 24.6	2.020	2.821	13.9	21.1
12 7	1 41.70	− 2 49.0	2.104	2.804	16.4	21.2

441195 2007 UL_{21} 10 28.0 352°.57 0°.4/27.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.63	+14 14.0	1.558	2.447	13.6	21.5
10 8	2 26.15	+13 39.4	1.497	2.445	9.5	21.2
10 18	2 18.60	+12 54.1	1.459	2.443	4.8	21.0
10 28	2 9.95	+12 2.9	1.448	2.441	0.4	20.6
11 7	2 1.39	+11 12.0	1.464	2.440	5.1	21.0
11 17	1 54.05	+10 28.2	1.506	2.439	9.7	21.3
11 27	1 48.86	+ 9 57.0	1.572	2.439	13.8	21.5
12 7	1 46.31	+ 9 41.7	1.658	2.439	17.2	21.7

510951 2013 FU_{14} 10 28.0 135°.69 5°.8/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.54	− 3 11.9	2.192	3.079	10.3	20.9
10 8	2 24.81	− 4 20.5	2.148	3.084	7.8	20.8
10 18	2 17.71	− 5 23.0	2.130	3.090	6.0	20.7
10 28	2 9.96	− 6 13.5	2.140	3.095	6.1	20.7
11 7	2 2.37	− 6 47.4	2.178	3.100	8.0	20.8
11 17	1 55.68	− 7 2.1	2.242	3.105	10.5	21.0
11 27	1 50.53	− 6 57.0	2.329	3.110	12.9	21.2
12 7	1 47.30	− 6 33.6	2.436	3.114	14.9	21.3

364506 2007 EX_{75} 10 28.0 142°.60 3°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.61	+ 5 3.5	2.269	3.160	9.8	20.9
10 8	2 23.48	+ 3 33.1	2.215	3.163	6.9	20.7
10 18	2 17.04	+ 2 1.2	2.188	3.165	4.2	20.6
10 28	2 9.97	+ 0 34.2	2.191	3.168	3.9	20.6
11 7	2 3.01	− 0 41.7	2.223	3.170	6.3	20.7
11 17	1 56.89	− 1 41.8	2.283	3.173	9.2	20.9
11 27	1 52.20	− 2 23.1	2.367	3.175	11.9	21.1
12 7	1 49.33	− 2 45.3	2.473	3.177	14.1	21.3

432590 2010 RZ_{104} 10 28.0 353°.11 3°.6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.45	+19 37.4	1.037	1.929	18.6	20.8
10 8	2 29.78	+20 11.7	0.980	1.924	13.7	20.5
10 18	2 20.84	+20 27.9	0.942	1.919	8.3	20.2
10 28	2 9.97	+20 25.6	0.927	1.916	3.8	19.9
11 7	1 59.06	+20 8.9	0.935	1.914	6.4	20.1
11 17	1 49.96	+19 45.1	0.966	1.913	11.9	20.4
11 27	1 44.14	+19 23.6	1.018	1.914	17.0	20.6
12 7	1 42.27	+19 11.9	1.087	1.915	21.3	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
224129 2005 QG_{21}			10 28.0	42°.66	0°.0/28.0 18	
	h m	° ′			°	m
9 28	2 35.72	+14 8.8	1.167	2.063	16.6	19.4
10 8	2 29.22	+13 56.2	1.129	2.079	11.5	19.2
10 18	2 20.20	+13 32.0	1.112	2.096	5.9	18.9
10 28	2 9.98	+13 1.2	1.120	2.113	0.0	18.5
11 7	2 0.19	+12 30.2	1.153	2.131	5.7	19.0
11 17	1 52.21	+12 5.8	1.211	2.150	11.0	19.4
11 27	1 47.04	+11 53.5	1.291	2.169	15.4	19.7
12 7	1 45.09	+11 56.0	1.390	2.189	19.0	20.0
161345 2003 SX_{64}			10 28.0	2°.49	4°.8/24.5 18	
9 28	2 27.43	+ 6 35.0	1.166	2.082	15.0	19.3
10 8	2 23.55	+ 5 5.5	1.120	2.080	10.4	19.0
10 18	2 17.36	+ 3 31.7	1.096	2.079	6.1	18.8
10 28	2 9.98	+ 2 4.6	1.096	2.080	5.2	18.7
11 7	2 2.79	+ 0 54.9	1.121	2.082	9.0	18.9
11 17	1 57.04	+ 0 10.3	1.168	2.086	13.5	19.2
11 27	1 53.71	− 0 5.9	1.235	2.091	17.6	19.5
12 7	1 53.25	+ 0 5.3	1.320	2.097	21.0	19.7
2732 Witt			10 28.0	328°.00	3°.5/25.2 18	R
9 28	2 31.05	+ 5 54.5	1.815	2.709	11.7	16.0
10 8	2 25.47	+ 4 57.3	1.757	2.707	8.1	15.8
10 18	2 18.17	+ 3 58.0	1.725	2.706	4.7	15.5
10 28	2 9.99	+ 3 2.8	1.720	2.704	3.7	15.5
11 7	2 1.92	+ 2 17.8	1.744	2.703	6.6	15.7
11 17	1 54.89	+ 1 47.7	1.794	2.702	10.2	15.9
11 27	1 49.68	+ 1 35.3	1.867	2.701	13.5	16.1
12 7	1 46.74	+ 1 41.0	1.961	2.700	16.3	16.3
71547 2000 DB_{3}			10 28.0	41°.45	3°.0/30.3 18	
9 28	2 34.78	+21 51.0	2.201	3.049	11.8	17.8
10 8	2 27.99	+22 18.5	2.133	3.053	8.8	17.6
10 18	2 19.47	+22 34.2	2.091	3.057	5.6	17.4
10 28	2 10.00	+22 38.0	2.076	3.061	3.1	17.2
11 7	2 0.54	+22 32.0	2.091	3.065	4.2	17.3
11 17	1 52.03	+22 19.6	2.135	3.069	7.3	17.5
11 27	1 45.28	+22 5.3	2.206	3.074	10.3	17.7
12 7	1 40.79	+21 53.6	2.300	3.078	13.0	17.9
517136 2013 JM_{16}			10 28.0	147°.62	2°.8/25.2 18	
9 28	2 29.68	+ 6 54.2	2.231	3.119	10.1	21.9
10 8	2 24.25	+ 5 49.4	2.175	3.122	7.0	21.7
10 18	2 17.46	+ 4 42.1	2.145	3.126	3.9	21.5
10 28	2 10.00	+ 3 37.6	2.145	3.129	3.0	21.4
11 7	2 2.65	+ 2 41.3	2.173	3.132	5.5	21.6
11 17	1 56.17	+ 1 57.5	2.230	3.135	8.7	21.8
11 27	1 51.18	+ 1 29.2	2.312	3.137	11.5	22.0
12 7	1 48.08	+ 1 17.2	2.416	3.140	13.9	22.2
271931 2004 XS_{117}			10 28.0	312°.37	5°.3/ 2.4 17	
9 28	2 31.39	+31 51.0	2.234	3.043	13.0	20.3
10 8	2 25.74	+31 49.5	2.155	3.039	10.5	20.1
10 18	2 18.35	+31 28.0	2.099	3.035	7.8	20.0
10 28	2 10.00	+30 46.5	2.069	3.031	5.7	19.8
11 7	2 1.67	+29 47.9	2.067	3.027	5.6	19.8
11 17	1 54.31	+28 37.4	2.092	3.023	7.6	20.0
11 27	1 48.74	+27 22.4	2.145	3.020	10.3	20.1
12 7	1 45.43	+26 9.9	2.221	3.016	12.9	20.3
6721 Minamiawaji			10 28.0	42°.81	4°.6/25.7 18	R
9 28	2 37.58	+ 0 32.5	1.599	2.489	13.3	16.4
10 8	2 29.93	+ 0 34.6	1.562	2.507	9.4	16.2
10 18	2 20.39	+ 0 42.4	1.550	2.526	5.9	16.0
10 28	2 10.01	+ 0 59.6	1.565	2.545	4.7	16.0
11 7	2 0.02	+ 1 28.7	1.608	2.565	7.3	16.2
11 17	1 51.47	+ 2 10.5	1.678	2.586	10.8	16.5
11 27	1 45.17	+ 3 4.5	1.772	2.606	14.1	16.7
12 7	1 41.49	+ 4 9.1	1.886	2.627	16.8	17.0
183811 2004 BJ_{62}			10 28.0	119°.33	4°.7/24.9 16	
9 28	2 36.00	+ 3 18.5	1.523	2.417	13.5	20.3
10 8	2 29.03	+ 2 27.7	1.478	2.426	9.5	20.1
10 18	2 20.02	+ 1 38.3	1.457	2.434	5.8	19.9
10 28	2 10.03	+ 0 57.3	1.462	2.443	4.9	19.9
11 7	2 0.31	+ 0 30.8	1.495	2.450	7.9	20.1
11 17	1 51.99	+ 0 22.6	1.553	2.458	11.7	20.3
11 27	1 45.94	+ 0 34.1	1.635	2.465	15.3	20.6
12 7	1 42.60	+ 1 4.2	1.735	2.472	18.2	20.8
355061 2006 SN_{172}			10 28.0	33°.75	1°.8/29.4 18	
9 28	2 33.06	+19 8.3	1.629	2.503	14.0	20.5
10 8	2 27.09	+19 0.2	1.573	2.509	10.1	20.3
10 18	2 19.09	+18 38.2	1.539	2.516	5.7	20.1
10 28	2 10.03	+18 4.6	1.532	2.523	2.0	19.9
11 7	2 1.11	+17 24.5	1.552	2.531	4.5	20.1
11 17	1 53.47	+16 43.9	1.599	2.539	8.8	20.3
11 27	1 47.99	+16 9.1	1.671	2.547	12.6	20.6
12 7	1 45.17	+15 44.9	1.764	2.556	15.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
351336 2004 XM_{102}			10 28.0	278°.86	7°.5/ 2.5 18	
	h m	° ′			°	m
9 28	2 36.25	+33 22.5	1.774	2.582	15.9	20.4
10 8	2 29.76	+33 54.6	1.688	2.567	13.1	20.1
10 18	2 20.70	+34 2.8	1.622	2.551	10.2	19.9
10 28	2 10.03	+33 43.9	1.581	2.535	7.9	19.8
11 7	1 59.13	+32 59.2	1.566	2.520	7.8	19.7
11 17	1 49.41	+31 54.2	1.577	2.504	10.0	19.8
11 27	1 42.10	+30 38.3	1.613	2.488	13.1	20.0
12 7	1 37.92	+29 21.8	1.671	2.472	16.2	20.2
304518 2006 UJ_{215}			10 28.0	264°.99	0°.8/28.6 18	
9 28	2 34.39	+15 51.4	2.021	2.891	11.8	20.8
10 8	2 27.88	+15 52.3	1.942	2.879	8.4	20.5
10 18	2 19.50	+15 44.3	1.889	2.868	4.5	20.3
10 28	2 10.05	+15 29.3	1.863	2.856	0.8	20.0
11 7	2 0.51	+15 10.5	1.867	2.844	4.1	20.2
11 17	1 51.90	+14 51.9	1.899	2.832	8.1	20.4
11 27	1 45.09	+14 37.9	1.957	2.820	11.7	20.6
12 7	1 40.63	+14 32.3	2.038	2.808	14.8	20.8
301392 2009 DT_{25}			10 28.0	277°.87	1°.4/26.9 18	
9 28	2 32.73	+11 13.4	1.798	2.685	12.2	21.1
10 8	2 26.84	+10 38.4	1.722	2.669	8.5	20.8
10 18	2 19.01	+ 9 56.2	1.670	2.654	4.3	20.5
10 28	2 10.04	+ 9 11.0	1.646	2.638	1.5	20.3
11 7	2 1.02	+ 8 28.6	1.650	2.622	5.3	20.5
11 17	1 52.98	+ 7 54.4	1.681	2.606	9.6	20.7
11 27	1 46.85	+ 7 32.9	1.737	2.590	13.4	20.9
12 7	1 43.18	+ 7 26.9	1.814	2.574	16.7	21.1
237593 2001 FB_{175}			10 28.0	90°.22	2°.4/26.4 18	
9 28	2 36.39	+ 7 11.1	1.883	2.766	11.9	20.1
10 8	2 28.92	+ 6 48.8	1.845	2.790	8.2	19.9
10 18	2 19.84	+ 6 24.8	1.832	2.814	4.3	19.7
10 28	2 10.07	+ 6 3.4	1.848	2.837	2.5	19.7
11 7	2 0.63	+ 5 48.4	1.894	2.860	5.4	19.9
11 17	1 52.43	+ 5 43.0	1.967	2.882	9.0	20.2
11 27	1 46.19	+ 5 49.3	2.066	2.905	12.2	20.4
12 7	1 42.28	+ 6 7.7	2.186	2.926	14.8	20.7
70068 1999 JC_{48}			10 28.0	100°.18	0°.4/28.3 17	
9 28	2 40.17	+15 1.5	1.468	2.346	15.0	20.0
10 8	2 31.98	+14 53.6	1.425	2.367	10.5	19.8
10 18	2 21.54	+14 34.8	1.406	2.387	5.4	19.6
10 28	2 10.07	+14 8.4	1.413	2.407	0.4	19.2
11 7	1 59.00	+13 39.9	1.449	2.426	5.0	19.7
11 17	1 49.58	+13 14.7	1.512	2.445	9.7	20.0
11 27	1 42.75	+12 58.4	1.599	2.464	13.8	20.3
12 7	1 38.91	+12 54.1	1.707	2.481	17.0	20.5
157089 2004 ET_{115}			10 28.0	353°.17	6°.8/23.7 18	
9 28	2 31.70	+ 1 23.6	1.188	2.099	15.2	19.3
10 8	2 26.54	+ 0 6.0	1.142	2.096	11.0	19.1
10 18	2 18.94	− 1 8.5	1.117	2.093	7.5	18.9
10 28	2 10.06	− 2 9.4	1.115	2.090	7.2	18.9
11 7	2 1.36	− 2 47.7	1.138	2.089	10.4	19.0
11 17	1 54.16	− 2 58.3	1.184	2.088	14.6	19.3
11 27	1 49.52	− 2 40.4	1.249	2.088	18.5	19.5
12 7	1 47.93	− 1 56.7	1.331	2.089	21.7	19.8
401613 2013 GJ_{38}			10 28.0	92°.32	0°.0/28.0 18	
9 28	2 32.97	+14 0.2	2.098	2.972	11.2	21.0
10 8	2 26.63	+13 46.2	2.042	2.983	7.8	20.8
10 18	2 18.74	+13 25.0	2.011	2.993	4.0	20.6
10 28	2 10.07	+12 59.3	2.009	3.003	0.0	20.2
11 7	2 1.55	+12 33.2	2.037	3.013	4.0	20.6
11 17	1 54.02	+12 10.4	2.093	3.023	7.7	20.9
11 27	1 48.21	+11 54.7	2.175	3.033	10.9	21.1
12 7	1 44.52	+11 48.7	2.280	3.042	13.6	21.3
474460 2003 SA_{82}			10 28.0	50°.13	1°.2/28.8 18	
9 28	2 35.86	+16 45.9	1.404	2.286	15.2	20.6
10 8	2 29.08	+16 42.7	1.363	2.306	10.7	20.4
10 18	2 20.10	+16 26.8	1.345	2.325	5.8	20.1
10 28	2 10.07	+16 1.2	1.353	2.345	1.2	19.9
11 7	2 0.41	+15 31.3	1.387	2.366	4.9	20.2
11 17	1 52.33	+15 3.3	1.448	2.387	9.6	20.5
11 27	1 46.76	+14 42.9	1.532	2.408	13.6	20.8
12 7	1 44.09	+14 34.0	1.637	2.429	16.9	21.1
243440 Colonia			10 28.0	109°.61	1°.5/26.7 18	
9 28	2 32.66	+10 19.1	2.164	3.045	10.7	21.5
10 8	2 26.28	+ 9 36.2	2.118	3.063	7.3	21.3
10 18	2 18.50	+ 8 48.9	2.098	3.080	3.7	21.1
10 28	2 10.07	+ 8 1.5	2.106	3.097	1.6	21.0
11 7	2 1.88	+ 7 18.6	2.145	3.114	4.6	21.2
11 17	1 54.68	+ 6 44.4	2.212	3.130	8.0	21.5
11 27	1 49.12	+ 6 22.0	2.306	3.146	11.0	21.7
12 7	1 45.57	+ 6 12.8	2.421	3.162	13.5	21.9

227303 2005 SK_{266} 10 28.0 29°.50 0°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.17	+15 26.2	1.207	2.106	16.0	20.2
10 8	2 26.11	+14 15.8	1.161	2.113	11.1	19.9
10 18	2 18.67	+12 50.1	1.136	2.121	5.6	19.7
10 28	2 10.07	+11 17.6	1.137	2.130	0.8	19.4
11 7	2 1.77	+ 9 48.8	1.163	2.139	6.1	19.8
11 17	1 55.05	+ 8 33.8	1.213	2.149	11.3	20.1
11 27	1 50.89	+ 7 39.8	1.286	2.160	15.8	20.4
12 7	1 49.71	+ 7 9.7	1.378	2.171	19.4	20.7

356808 2011 UA_{344} 10 28.0 67°.15 1°.2/28.9 18

9 28	2 34.17	+17 23.2	1.765	2.637	13.1	20.9
10 8	2 27.75	+17 16.3	1.706	2.644	9.3	20.7
10 18	2 19.42	+16 57.9	1.672	2.650	5.1	20.5
10 28	2 10.08	+16 30.4	1.665	2.657	1.3	20.2
11 7	2 0.88	+15 58.4	1.686	2.664	4.3	20.4
11 17	1 52.87	+15 26.9	1.734	2.671	8.5	20.7
11 27	1 46.91	+15 1.3	1.808	2.678	12.2	21.0
12 7	1 43.47	+14 45.6	1.904	2.685	15.3	21.2

79664 1998 SN_{33} 10 28.0 26°.65 7°.2/30.3 18

9 28	2 44.22	+21 41.5	0.904	1.788	21.3	17.3
10 8	2 36.06	+23 50.4	0.872	1.806	16.2	17.1
10 18	2 24.09	+25 37.1	0.859	1.826	10.9	16.9
10 28	2 10.12	+26 53.6	0.868	1.848	7.4	16.8
11 7	1 56.57	+27 39.0	0.900	1.871	8.7	16.9
11 17	1 45.64	+27 59.1	0.955	1.896	13.0	17.3
11 27	1 38.78	+28 4.9	1.031	1.922	17.3	17.6
12 7	1 36.45	+28 7.3	1.123	1.949	20.9	17.9

39243 2000 YU_{76} 10 28.0 23°.72 6°.6/23.1 18

9 28	2 31.52	− 3 46.5	1.764	2.657	12.1	18.2
10 8	2 25.77	− 4 38.2	1.722	2.661	9.1	18.0
10 18	2 18.34	− 5 21.6	1.704	2.667	7.0	17.9
10 28	2 10.10	− 5 50.3	1.713	2.672	6.9	17.9
11 7	2 2.06	− 5 59.7	1.748	2.678	9.0	18.1
11 17	1 55.15	− 5 47.9	1.808	2.685	11.9	18.3
11 27	1 50.10	− 5 15.3	1.890	2.692	14.7	18.5
12 7	1 47.32	− 4 24.3	1.991	2.699	17.0	18.7

126020 2001 YD_{61} 10 28.1 21°.59 0°.2/27.9 18

9 28	2 33.65	+13 29.9	1.114	2.017	16.7	18.7
10 8	2 28.01	+13 23.2	1.071	2.025	11.6	18.5
10 18	2 19.73	+13 5.8	1.049	2.034	6.0	18.2
10 28	2 10.11	+12 42.1	1.051	2.045	0.2	17.8
11 7	2 0.79	+12 18.4	1.077	2.056	5.9	18.3
11 17	1 53.21	+12 1.3	1.128	2.069	11.3	18.6
11 27	1 48.46	+11 56.1	1.199	2.083	16.0	19.0
12 7	1 47.00	+12 5.6	1.290	2.098	19.7	19.3

85004 Crombie 10 28.1 318°.38 2°.9/29.3 18

9 28	2 40.39	+18 7.5	1.367	2.241	16.1	19.4
10 8	2 32.81	+18 52.3	1.300	2.236	11.8	19.1
10 18	2 22.34	+19 24.9	1.256	2.232	6.9	18.9
10 28	2 10.14	+19 44.2	1.238	2.228	3.0	18.6
11 7	1 57.81	+19 51.9	1.246	2.224	5.6	18.8
11 17	1 46.98	+19 52.5	1.281	2.220	10.5	19.0
11 27	1 38.97	+19 52.4	1.339	2.216	15.1	19.3
12 7	1 34.47	+19 57.6	1.417	2.213	18.9	19.5

259490 2003 SW_{228} 10 28.1 41°.16 1°.3/28.6 18

9 28	2 40.09	+15 21.1	0.917	1.819	19.5	19.0
10 8	2 32.53	+15 43.7	0.894	1.845	13.7	18.8
10 18	2 21.96	+15 51.2	0.890	1.873	7.2	18.5
10 28	2 10.15	+15 46.7	0.909	1.902	1.4	18.3
11 7	1 59.12	+15 36.2	0.951	1.931	6.1	18.7
11 17	1 50.52	+15 26.6	1.017	1.962	11.8	19.1
11 27	1 45.39	+15 24.6	1.103	1.993	16.6	19.5
12 7	1 43.98	+15 34.0	1.208	2.024	20.3	19.9

195165 2002 CT_{234} 10 28.1 124°.33 1°.6/26.7 18

9 28	2 31.27	+10 8.6	2.120	3.004	10.7	21.3
10 8	2 25.48	+ 9 31.8	2.061	3.007	7.4	21.1
10 18	2 18.18	+ 8 50.3	2.027	3.010	3.8	20.9
10 28	2 10.13	+ 8 8.2	2.023	3.014	1.6	20.7
11 7	2 2.19	+ 7 30.2	2.047	3.017	4.7	21.0
11 17	1 55.17	+ 7 0.4	2.100	3.020	8.2	21.2
11 27	1 49.76	+ 6 42.1	2.178	3.023	11.4	21.4
12 7	1 46.39	+ 6 37.0	2.278	3.026	14.0	21.6

270760 2002 RY_{94} 10 28.1 39°.41 2°.5/29.3 18

9 28	2 38.51	+17 59.9	0.996	1.890	19.0	19.4
10 8	2 31.43	+18 22.3	0.968	1.914	13.6	19.2
10 18	2 21.43	+18 26.9	0.959	1.939	7.6	19.0
10 28	2 10.15	+18 15.8	0.973	1.964	2.6	18.8
11 7	1 59.49	+17 55.3	1.011	1.991	5.9	19.1
11 17	1 51.06	+17 32.9	1.073	2.018	11.2	19.5
11 27	1 45.92	+17 16.7	1.156	2.046	15.9	19.8
12 7	1 44.39	+17 11.5	1.258	2.075	19.6	20.2

148014 1997 VX_1 10 28.1 6°.61 4°.1/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.94	+ 2 28.4	1.424	2.320	14.2	18.8
10 8	2 29.95	+ 2 39.1	1.371	2.320	10.1	18.6
10 18	2 20.66	+ 2 54.4	1.342	2.322	5.9	18.3
10 28	2 10.15	+ 3 18.0	1.339	2.324	4.2	18.2
11 7	1 59.80	+ 3 52.7	1.362	2.327	7.3	18.4
11 17	1 50.88	+ 4 39.7	1.412	2.331	11.5	18.7
11 27	1 44.40	+ 5 39.1	1.485	2.336	15.4	18.9
12 7	1 40.87	+ 6 49.4	1.577	2.342	18.6	19.2

521488 2015 OH_{94} 10 28.1 152°.55 2°.0/26.2 18

9 28	2 32.38	+ 9 30.9	2.068	2.952	11.0	22.4
10 8	2 26.23	+ 8 35.7	2.011	2.958	7.5	22.2
10 18	2 18.56	+ 7 35.8	1.981	2.964	3.9	22.0
10 28	2 10.14	+ 6 36.3	1.980	2.969	2.2	21.9
11 7	2 1.87	+ 5 42.6	2.008	2.974	5.2	22.1
11 17	1 54.58	+ 4 59.7	2.064	2.979	8.7	22.3
11 27	1 48.98	+ 4 30.8	2.146	2.983	11.9	22.6
12 7	1 45.46	+ 4 17.7	2.250	2.987	14.5	22.8

161498 2004 PT_{69} 10 28.1 317°.46 3°.7/24.9 18

9 28	2 30.54	+ 4 3.2	2.018	2.909	10.8	19.8
10 8	2 25.05	+ 3 14.0	1.959	2.906	7.6	19.6
10 18	2 18.00	+ 2 24.8	1.925	2.903	4.6	19.4
10 28	2 10.14	+ 1 40.9	1.920	2.900	3.9	19.4
11 7	2 2.37	+ 1 7.4	1.943	2.898	6.4	19.5
11 17	1 55.51	+ 0 48.0	1.993	2.895	9.7	19.7
11 27	1 50.30	+ 0 44.8	2.067	2.892	12.7	19.9
12 7	1 47.16	+ 0 58.1	2.161	2.890	15.2	20.1

509718 2008 SV_{141} 10 28.1 110°.83 1°.1/27.3 18

9 28	2 34.45	+12 4.7	1.714	2.598	12.8	21.6
10 8	2 27.91	+11 30.0	1.661	2.607	8.9	21.4
10 18	2 19.49	+10 47.9	1.633	2.616	4.5	21.1
10 28	2 10.16	+10 3.1	1.632	2.625	1.2	20.9
11 7	2 1.02	+ 9 21.3	1.660	2.633	5.1	21.2
11 17	1 53.12	+ 8 47.8	1.715	2.641	9.3	21.5
11 27	1 47.26	+ 8 26.7	1.795	2.650	13.0	21.7
12 7	1 43.91	+ 8 20.3	1.895	2.657	16.0	22.0

448685 2010 WH_{33} 10 28.1 47°.94 1°.2/27.0 18

9 28	2 31.18	+11 13.9	1.987	2.872	11.3	21.6
10 8	2 25.50	+10 41.3	1.930	2.876	7.8	21.4
10 18	2 18.23	+10 2.9	1.897	2.881	3.9	21.2
10 28	2 10.16	+ 9 22.9	1.893	2.885	1.3	21.0
11 7	2 2.21	+ 8 46.1	1.918	2.890	4.7	21.2
11 17	1 55.24	+ 8 16.7	1.970	2.895	8.4	21.5
11 27	1 49.98	+ 7 58.6	2.048	2.900	11.7	21.7
12 7	1 46.86	+ 7 53.5	2.147	2.905	14.5	21.9

410127 2007 GL_9 10 28.1 154°.00 1°.6/29.7 18

9 28	2 32.78	+19 51.9	2.893	3.740	9.4	21.4
10 8	2 26.28	+19 50.2	2.825	3.748	6.8	21.2
10 18	2 18.54	+19 39.6	2.784	3.755	4.0	21.1
10 28	2 10.17	+19 21.4	2.773	3.762	1.6	20.9
11 7	2 1.86	+18 57.9	2.793	3.769	3.0	21.0
11 17	1 54.28	+18 32.2	2.843	3.775	5.8	21.2
11 27	1 48.02	+18 8.0	2.921	3.780	8.4	21.4
12 7	1 43.45	+17 48.2	3.025	3.785	10.6	21.6

286682 2002 EP_{157} 10 28.1 212°.76 3°.8/31.5 18

9 28	2 33.00	+26 9.3	2.250	3.083	12.1	20.9
10 8	2 26.84	+26 12.8	2.175	3.081	9.3	20.7
10 18	2 18.97	+26 0.7	2.123	3.079	6.3	20.6
10 28	2 10.18	+25 33.5	2.099	3.077	4.0	20.4
11 7	2 1.38	+24 53.9	2.104	3.075	4.5	20.4
11 17	1 53.52	+24 6.6	2.138	3.072	7.2	20.6
11 27	1 47.37	+23 17.7	2.198	3.070	10.2	20.8
12 7	1 43.43	+22 32.7	2.282	3.067	12.9	21.0

291527 2006 EW_{13} 10 28.1 115°.87 5°.0/31.9 18

9 28	2 38.49	+27 51.9	1.930	2.755	14.2	21.6
10 8	2 30.80	+28 17.0	1.870	2.769	11.0	21.5
10 18	2 21.04	+28 23.2	1.833	2.782	7.7	21.3
10 28	2 10.19	+28 9.9	1.823	2.795	5.3	21.2
11 7	1 59.47	+27 39.8	1.842	2.807	5.6	21.2
11 17	1 50.04	+26 58.1	1.889	2.820	8.3	21.4
11 27	1 42.80	+26 12.2	1.962	2.831	11.4	21.6
12 7	1 38.26	+25 29.0	2.057	2.843	14.1	21.8

180142 2003 FH_{123} 10 28.1 329°.26 0°.4/28.4 18

9 28	2 32.07	+15 43.9	1.854	2.732	12.3	20.6
10 8	2 26.32	+15 24.3	1.787	2.728	8.7	20.3
10 18	2 18.74	+14 54.6	1.744	2.725	4.6	20.1
10 28	2 10.18	+14 18.0	1.728	2.722	0.4	19.8
11 7	2 1.65	+13 39.0	1.741	2.719	4.3	20.1
11 17	1 54.15	+13 2.9	1.782	2.716	8.4	20.3
11 27	1 48.53	+12 34.9	1.847	2.714	12.1	20.5
12 7	1 45.28	+12 18.4	1.935	2.711	15.2	20.7

221034 2005 QX_{65} 10 28.1 55°.57 0°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.93	+16 51.9	1.255	2.145	16.1	19.5
10 8	2 27.89	+15 55.4	1.216	2.164	11.2	19.3
10 18	2 19.55	+14 43.6	1.199	2.182	5.8	19.0
10 28	2 10.18	+13 23.6	1.208	2.201	0.1	18.7
11 7	2 1.24	+12 4.9	1.242	2.220	5.5	19.1
11 17	1 53.99	+10 56.5	1.302	2.240	10.5	19.5
11 27	1 49.32	+10 5.4	1.385	2.259	14.9	19.8
12 7	1 47.61	+ 9 34.9	1.488	2.279	18.3	20.1

43211 2000 AR_{105} 10 28.1 118°.52 2°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.04	+23 57.6	1.969	2.817	13.0	19.0
10 8	2 26.83	+23 14.9	1.908	2.828	9.6	18.8
10 18	2 18.91	+22 14.9	1.871	2.839	5.9	18.6
10 28	2 10.18	+21 0.6	1.863	2.850	2.7	18.4
11 7	2 1.66	+19 38.1	1.883	2.860	4.1	18.5
11 17	1 54.29	+18 14.5	1.932	2.870	7.6	18.8
11 27	1 48.81	+16 57.3	2.008	2.880	11.0	19.0
12 7	1 45.65	+15 52.1	2.108	2.889	14.0	19.2

482676 2013 CW_{52} 10 28.1 297°.08 3°.6/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.01	+ 4 27.5	1.735	2.624	12.5	21.7
10 8	2 29.40	+ 4 8.9	1.645	2.592	8.9	21.5
10 18	2 20.52	+ 3 50.1	1.581	2.560	5.2	21.2
10 28	2 10.20	+ 3 36.2	1.543	2.528	3.7	21.0
11 7	1 59.56	+ 3 31.7	1.533	2.496	6.9	21.1
11 17	1 49.83	+ 3 40.7	1.551	2.464	11.2	21.3
11 27	1 42.09	+ 4 5.4	1.593	2.431	15.2	21.5
12 7	1 37.05	+ 4 46.5	1.654	2.399	18.6	21.6

131064 2000 YA_{70} 10 28.1 260°.06 2°.6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.69	+ 7 55.8	1.868	2.756	11.8	19.9
10 8	2 27.49	+ 7 14.4	1.792	2.739	8.2	19.6
10 18	2 19.39	+ 6 28.7	1.741	2.723	4.4	19.4
10 28	2 10.19	+ 5 43.6	1.717	2.706	2.7	19.2
11 7	2 0.92	+ 5 4.9	1.722	2.688	5.9	19.4
11 17	1 52.61	+ 4 37.4	1.755	2.670	9.9	19.6
11 27	1 46.14	+ 4 24.9	1.813	2.652	13.6	19.8
12 7	1 42.08	+ 4 28.9	1.890	2.634	16.6	20.0

356757 2011 UY_{249} 10 28.1 97°.66 0°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.87	+16 47.1	1.916	2.790	12.2	21.5
10 8	2 26.07	+16 11.1	1.855	2.794	8.6	21.3
10 18	2 18.56	+15 24.0	1.818	2.799	4.5	21.0
10 28	2 10.18	+14 29.5	1.810	2.803	0.5	20.7
11 7	2 1.93	+13 33.0	1.830	2.807	4.1	21.0
11 17	1 54.74	+12 40.4	1.878	2.811	8.1	21.3
11 27	1 49.37	+11 57.0	1.952	2.816	11.7	21.5
12 7	1 46.27	+11 26.5	2.048	2.820	14.6	21.7

419335 2009 WS_{164} 10 28.1 7°.97 4°.7/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.56	− 1 45.3	2.304	3.187	10.1	20.6
10 8	2 26.26	− 2 9.4	2.249	3.187	7.4	20.4
10 18	2 18.58	− 2 28.2	2.220	3.187	5.2	20.3
10 28	2 10.19	− 2 37.7	2.219	3.187	4.8	20.3
11 7	2 1.91	− 2 34.9	2.247	3.187	6.7	20.4
11 17	1 54.49	− 2 18.1	2.303	3.187	9.4	20.5
11 27	1 48.59	− 1 46.8	2.384	3.187	11.9	20.7
12 7	1 44.60	− 1 2.2	2.486	3.188	14.1	20.9

280634 2004 XE_{177} 10 28.1 279°.28 4°.0/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.66	+27 33.7	2.326	3.153	12.0	20.9
10 8	2 25.90	+27 34.2	2.248	3.149	9.3	20.7
10 18	2 18.49	+27 18.4	2.194	3.145	6.5	20.5
10 28	2 10.19	+26 46.9	2.167	3.141	4.3	20.3
11 7	2 1.88	+26 2.4	2.168	3.137	4.6	20.4
11 17	1 54.46	+25 9.6	2.198	3.133	7.1	20.5
11 27	1 48.68	+24 14.5	2.255	3.129	9.9	20.7
12 7	1 45.03	+23 22.9	2.336	3.125	12.5	20.9

383132 2005 UY_{9} 10 28.1 8°.07 3°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.42	+ 6 27.4	1.253	2.156	15.2	19.9
10 8	2 29.13	+ 6 10.0	1.202	2.156	10.6	19.6
10 18	2 20.33	+ 5 51.2	1.174	2.157	5.8	19.4
10 28	2 10.20	+ 5 36.7	1.170	2.159	3.4	19.2
11 7	2 0.23	+ 5 31.9	1.192	2.161	7.3	19.5
11 17	1 51.82	+ 5 41.0	1.238	2.164	12.1	19.8
11 27	1 46.05	+ 6 6.2	1.306	2.168	16.4	20.0
12 7	1 43.42	+ 6 47.3	1.392	2.172	19.9	20.3

19760 2000 GK_{160} 10 28.1 327°.58 6°.0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.59	+31 28.3	2.252	3.055	13.1	18.7
10 8	2 28.84	+32 12.4	2.174	3.052	10.6	18.5
10 18	2 20.11	+32 38.9	2.120	3.049	8.1	18.3
10 28	2 10.20	+32 45.8	2.091	3.045	6.3	18.2
11 7	2 0.18	+32 34.0	2.091	3.042	6.3	18.2
11 17	1 51.10	+32 6.9	2.119	3.040	8.1	18.3
11 27	1 43.89	+31 30.4	2.172	3.037	10.6	18.5
12 7	1 39.14	+30 51.5	2.249	3.034	13.1	18.6

405279 2003 SY_{349} 10 28.1 338°.62 3°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 28.17	+ 6 30.8	1.815	2.714	11.5	20.7
10 8	2 23.59	+ 5 23.0	1.753	2.705	8.0	20.4
10 18	2 17.34	+ 4 11.9	1.715	2.696	4.6	20.2
10 28	2 10.19	+ 3 4.1	1.704	2.688	3.7	20.2
11 7	2 3.09	+ 2 6.2	1.721	2.681	6.6	20.3
11 17	1 56.93	+ 1 23.8	1.765	2.674	10.2	20.5
11 27	1 52.50	+ 1 0.2	1.831	2.668	13.6	20.7
12 7	1 50.26	+ 0 56.5	1.918	2.662	16.4	20.9

202998 1999 VJ_{183} 10 28.1 318°.09 1°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.96	+ 9 9.7	1.381	2.275	14.7	19.2
10 8	2 30.59	+ 9 28.2	1.295	2.245	10.4	18.9
10 18	2 21.36	+ 9 44.5	1.232	2.216	5.5	18.5
10 28	2 10.23	+10 1.1	1.195	2.187	1.4	18.2
11 7	1 58.62	+10 21.3	1.184	2.159	6.2	18.4
11 17	1 48.11	+10 48.1	1.198	2.132	11.7	18.6
11 27	1 40.11	+11 24.9	1.236	2.105	16.6	18.9
12 7	1 35.49	+12 13.6	1.292	2.080	20.8	19.1

97843 2000 PA_{26} 10 28.1 62°.48 7°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.34	+31 59.4	1.500	2.322	17.7	18.3
10 8	2 31.85	+32 41.3	1.451	2.340	14.2	18.2
10 18	2 21.71	+32 56.4	1.423	2.359	10.7	18.0
10 28	2 10.23	+32 42.7	1.419	2.379	8.1	17.9
11 7	1 59.00	+32 3.3	1.441	2.398	7.9	18.0
11 17	1 49.51	+31 5.8	1.488	2.417	10.2	18.1
11 27	1 42.85	+30 0.6	1.559	2.437	13.3	18.4
12 7	1 39.52	+28 57.8	1.652	2.456	16.2	18.6

364504 2007 EL_{74} 10 28.1 122°.93 0°.0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.62	+15 22.9	2.545	3.413	9.7	21.7
10 8	2 24.83	+14 48.0	2.487	3.425	6.8	21.6
10 18	2 17.82	+14 5.6	2.456	3.437	3.5	21.4
10 28	2 10.21	+13 18.8	2.455	3.448	0.1	21.1
11 7	2 2.73	+12 31.6	2.484	3.460	3.4	21.4
11 17	1 56.07	+11 48.1	2.542	3.471	6.6	21.6
11 27	1 50.80	+11 11.9	2.628	3.481	9.4	21.8
12 7	1 47.28	+10 45.8	2.738	3.492	11.8	22.0

158770 2003 SD_{56} 10 28.1 5°.05 0°.6/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.98	+14 33.3	2.038	2.919	11.2	19.7
10 8	2 24.00	+13 37.5	1.974	2.919	7.8	19.5
10 18	2 17.49	+12 32.3	1.936	2.919	3.9	19.2
10 28	2 10.21	+11 22.4	1.927	2.920	0.6	19.0
11 7	2 3.02	+10 13.8	1.946	2.921	4.3	19.3
11 17	1 56.75	+ 9 12.3	1.993	2.922	8.1	19.5
11 27	1 52.11	+ 8 22.9	2.066	2.923	11.4	19.7
12 7	1 49.51	+ 7 48.6	2.161	2.924	14.2	19.9

40065 1998 KX_{50} 10 28.1 94°.09 8°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.17	− 9 1.8	1.732	2.612	13.0	18.6
10 8	2 28.27	−10 0.8	1.700	2.623	10.4	18.5
10 18	2 19.64	−10 45.8	1.691	2.635	8.7	18.4
10 28	2 10.23	−11 10.2	1.708	2.646	8.9	18.5
11 7	2 1.14	−11 9.8	1.751	2.657	10.7	18.6
11 17	1 53.33	−10 44.0	1.818	2.668	13.2	18.8
11 27	1 47.55	− 9 55.0	1.907	2.678	15.7	19.0
12 7	1 44.19	− 8 46.7	2.014	2.689	17.7	19.2

485963 2012 HB_{66} 10 28.1 214°.85 6°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.66	− 8 26.6	2.758	3.628	9.0	21.9
10 8	2 24.83	− 9 18.5	2.703	3.622	7.2	21.8
10 18	2 17.83	−10 2.4	2.675	3.614	6.1	21.7
10 28	2 10.23	−10 33.7	2.675	3.607	6.3	21.7
11 7	2 2.69	−10 49.0	2.703	3.599	7.8	21.8
11 17	1 55.85	−10 46.7	2.757	3.591	9.7	21.9
11 27	1 50.25	−10 26.8	2.835	3.582	11.6	22.0
12 7	1 46.28	− 9 50.7	2.933	3.573	13.3	22.2

293946 2007 TE_{20} 10 28.1 26°.99 1°.0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.52	+12 30.3	1.128	2.022	17.2	18.8
10 8	2 32.76	+13 33.3	1.092	2.041	12.1	18.6
10 18	2 22.19	+14 28.5	1.078	2.060	6.4	18.3
10 28	2 10.27	+15 15.3	1.088	2.081	1.0	18.0
11 7	1 58.76	+15 54.9	1.124	2.104	5.7	18.4
11 17	1 49.26	+16 30.3	1.186	2.127	10.9	18.8
11 27	1 42.87	+17 5.7	1.270	2.152	15.4	19.1
12 7	1 40.03	+17 44.5	1.373	2.177	18.9	19.4

509447 2007 GE_{74} 10 28.1 175°.46 3°.8/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.94	+ 2 52.7	2.112	2.993	10.9	22.1
10 8	2 28.71	+ 2 14.8	2.054	2.996	7.7	21.9
10 18	2 19.89	+ 1 38.1	2.023	2.999	4.7	21.7
10 28	2 10.26	+ 1 7.5	2.021	3.000	3.9	21.7
11 7	2 0.75	+ 0 47.2	2.049	3.001	6.3	21.8
11 17	1 52.25	+ 0 40.2	2.105	3.001	9.5	22.0
11 27	1 45.49	+ 0 48.1	2.186	3.001	12.5	22.2
12 7	1 40.89	+ 1 10.7	2.288	3.000	14.9	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268888 2007 BS_{26}			10 28.1 150°98		1°0/28.8 17	
	h m	° ′			°	m
9 28	2 35.87	+17 47.5	1.863	2.730	12.8	21.2
10 8	2 28.89	+17 21.6	1.803	2.737	9.1	21.0
10 18	2 20.04	+16 43.5	1.767	2.745	4.9	20.7
10 28	2 10.26	+15 56.4	1.759	2.752	1.0	20.5
11 7	2 0.63	+15 5.3	1.780	2.758	4.2	20.7
11 17	1 52.19	+14 16.2	1.830	2.763	8.3	21.0
11 27	1 45.76	+13 34.9	1.906	2.769	12.0	21.2
12 7	1 41.80	+13 5.5	2.004	2.773	15.0	21.5
342507 2008 UP_{185}			10 28.1 195°10		2°6/26.2 18	
9 28	2 35.70	+ 6 25.6	1.922	2.806	11.7	20.9
10 8	2 28.73	+ 6 3.5	1.859	2.805	8.1	20.7
10 18	2 19.97	+ 5 39.9	1.822	2.803	4.4	20.4
10 28	2 10.26	+ 5 19.0	1.813	2.801	2.8	20.3
11 7	2 0.63	+ 5 5.0	1.834	2.799	5.7	20.5
11 17	1 52.05	+ 5 1.2	1.882	2.796	9.4	20.7
11 27	1 45.33	+ 5 10.0	1.956	2.793	12.8	20.9
12 7	1 40.98	+ 5 32.0	2.050	2.789	15.6	21.1
319198 2005 YM_{167}			10 28.1 295°02		0°1/28.0 18	
9 28	2 30.46	+15 1.4	2.058	2.936	11.3	21.0
10 8	2 25.14	+14 28.6	1.981	2.923	7.9	20.8
10 18	2 18.16	+13 46.4	1.929	2.911	4.1	20.5
10 28	2 10.25	+12 58.1	1.905	2.899	0.1	20.1
11 7	2 2.31	+12 8.5	1.910	2.886	4.1	20.5
11 17	1 55.24	+11 23.1	1.943	2.874	8.0	20.7
11 27	1 49.82	+10 46.5	2.001	2.862	11.6	20.9
12 7	1 46.54	+10 22.4	2.082	2.850	14.5	21.1
141466 2002 CU_{145}			10 28.1 316°93		17°4/10.9 17	
9 28	2 30.37	−16 17.7	0.995	1.892	18.7	19.1
10 8	2 26.07	−20 11.6	0.972	1.883	17.4	19.0
10 18	2 18.92	−23 34.4	0.969	1.874	17.8	19.0
10 28	2 10.26	−26 4.9	0.987	1.865	19.7	19.1
11 7	2 1.77	−27 32.0	1.021	1.857	22.3	19.3
11 17	1 55.01	−27 54.9	1.071	1.850	25.0	19.4
11 27	1 51.15	−27 20.9	1.131	1.843	27.4	19.6
12 7	1 50.70	−26 1.2	1.200	1.837	29.3	19.8
452550 2004 WG_{6}			10 28.1 19°18		5°2/ 1.6 17	
9 28	2 29.05	+28 51.9	1.414	2.267	16.9	19.3
10 8	2 24.63	+28 30.3	1.365	2.280	13.1	19.1
10 18	2 17.99	+27 42.1	1.336	2.294	9.0	18.9
10 28	2 10.28	+26 30.0	1.331	2.309	5.7	18.8
11 7	2 2.83	+25 1.2	1.352	2.326	5.9	18.9
11 17	1 56.86	+23 25.5	1.398	2.344	9.1	19.1
11 27	1 53.25	+21 53.8	1.468	2.362	12.9	19.4
12 7	1 52.42	+20 34.6	1.560	2.382	16.2	19.6
456142 2006 DY_{177}			10 28.1 37°28		3°9/24.3 16	
9 28	2 29.19	+ 3 32.7	2.073	2.967	10.5	21.2
10 8	2 24.07	+ 2 28.5	2.023	2.971	7.4	21.0
10 18	2 17.52	+ 1 24.9	1.999	2.976	4.6	20.9
10 28	2 10.28	+ 0 27.7	2.003	2.981	4.2	20.9
11 7	2 3.18	− 0 18.0	2.036	2.986	6.5	21.0
11 17	1 56.98	− 0 48.1	2.095	2.991	9.6	21.2
11 27	1 52.33	− 1 0.7	2.178	2.997	12.4	21.4
12 7	1 49.64	− 0 55.8	2.282	3.002	14.8	21.6
510713 2012 VG_{21}			10 28.1 220°48		1°6/27.0 18	
9 28	2 37.18	+ 8 53.0	2.052	2.929	11.4	22.1
10 8	2 29.79	+ 8 45.5	1.979	2.921	7.9	21.9
10 18	2 20.57	+ 8 34.9	1.931	2.913	4.1	21.6
10 28	2 10.32	+ 8 24.1	1.912	2.904	1.6	21.4
11 7	2 0.04	+ 8 16.5	1.924	2.894	4.9	21.6
11 17	1 50.72	+ 8 15.4	1.964	2.884	8.7	21.9
11 27	1 43.21	+ 8 23.4	2.031	2.873	12.2	22.1
12 7	1 38.04	+ 8 42.2	2.120	2.862	15.1	22.3
221678 2007 DL_{10}			10 28.1 287°93		3°9/24.4 18	
9 28	2 29.82	+ 3 56.1	2.061	2.953	10.6	20.4
10 8	2 24.58	+ 2 51.8	2.000	2.948	7.5	20.2
10 18	2 17.83	+ 1 46.9	1.966	2.943	4.6	20.0
10 28	2 10.29	+ 0 47.5	1.960	2.938	4.1	20.0
11 7	2 2.81	− 0 0.9	1.982	2.933	6.6	20.1
11 17	1 56.22	− 0 33.9	2.031	2.928	9.8	20.3
11 27	1 51.21	− 0 49.1	2.104	2.923	12.7	20.5
12 7	1 48.21	− 0 46.2	2.197	2.918	15.2	20.7
327566 2006 DO_{15}			10 28.1 1°13		6°4/22.2 18	
9 28	2 29.45	− 3 38.2	1.973	2.865	11.0	20.0
10 8	2 24.32	− 4 50.8	1.926	2.864	8.4	19.9
10 18	2 17.68	− 5 56.7	1.905	2.864	6.6	19.8
10 28	2 10.29	− 6 49.2	1.910	2.864	6.8	19.8
11 7	2 3.03	− 7 22.9	1.942	2.864	8.8	19.9
11 17	1 56.70	− 7 35.1	1.999	2.865	11.4	20.1
11 27	1 52.00	− 7 25.2	2.079	2.866	14.0	20.3
12 7	1 49.34	− 6 55.2	2.177	2.867	16.2	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
47746 2000 DY_{77}			10 28.1 296°27		1°1/27.1 17	
	h m	° ′			°	m
9 28	2 29.89	+11 43.9	2.144	3.027	10.7	19.6
10 8	2 24.71	+11 4.6	2.065	3.011	7.4	19.4
10 18	2 17.96	+10 18.5	2.012	2.995	3.8	19.2
10 28	2 10.31	+ 9 29.6	1.987	2.979	1.2	18.9
11 7	2 2.63	+ 8 42.7	1.991	2.963	4.5	19.1
11 17	1 55.74	+ 8 2.6	2.023	2.947	8.2	19.4
11 27	1 50.39	+ 7 33.6	2.081	2.931	11.6	19.5
12 7	1 47.08	+ 7 18.2	2.160	2.916	14.5	19.7
461235 2015 WJ_{6}			10 28.1 4°95		1°5/26.9 17	
9 28	2 29.73	+11 38.7	1.752	2.644	12.2	20.9
10 8	2 24.73	+10 51.2	1.694	2.644	8.4	20.6
10 18	2 17.97	+ 9 56.4	1.660	2.644	4.3	20.4
10 28	2 10.31	+ 8 59.6	1.653	2.645	1.5	20.2
11 7	2 2.76	+ 8 6.8	1.674	2.647	5.2	20.5
11 17	1 56.26	+ 7 23.9	1.722	2.649	9.2	20.7
11 27	1 51.61	+ 6 55.2	1.794	2.652	12.9	20.9
12 7	1 49.25	+ 6 42.8	1.887	2.655	15.9	21.2
34 Circe			10 28.1 250°11		1°5/26.8 18	
9 28	2 31.75	+11 33.9	1.953	2.837	11.5	12.9
10 8	2 26.07	+10 42.3	1.881	2.828	8.0	12.7
10 18	2 18.67	+ 9 43.1	1.835	2.818	4.1	12.4
10 28	2 10.33	+ 8 41.2	1.817	2.809	1.6	12.3
11 7	2 2.00	+ 7 42.6	1.828	2.799	5.0	12.5
11 17	1 54.62	+ 6 53.0	1.867	2.789	9.0	12.7
11 27	1 48.98	+ 6 17.0	1.931	2.779	12.5	12.9
12 7	1 45.56	+ 5 57.1	2.017	2.769	15.5	13.1
377589 2005 NB_{88}			10 28.1 92°29		0°5/28.5 16	
9 28	2 34.75	+17 42.7	1.481	2.360	14.8	21.3
10 8	2 28.37	+16 51.2	1.431	2.373	10.4	21.1
10 18	2 19.86	+15 44.5	1.404	2.385	5.5	20.9
10 28	2 10.34	+14 28.4	1.405	2.398	0.6	20.5
11 7	2 1.12	+13 10.9	1.432	2.410	4.9	20.9
11 17	1 53.36	+12 0.3	1.487	2.423	9.6	21.2
11 27	1 47.95	+11 3.8	1.566	2.435	13.7	21.5
12 7	1 45.32	+10 25.4	1.665	2.447	17.1	21.8
402400 2005 YJ_{118}			10 28.1 299°58		1°1/29.0 17	
9 28	2 31.45	+17 47.2	2.061	2.930	11.7	21.4
10 8	2 25.86	+17 31.6	1.985	2.921	8.3	21.2
10 18	2 18.58	+17 5.0	1.934	2.912	4.6	21.0
10 28	2 10.33	+16 29.9	1.910	2.902	1.2	20.7
11 7	2 2.06	+15 50.2	1.915	2.893	3.9	20.9
11 17	1 54.68	+15 10.9	1.949	2.885	7.7	21.1
11 27	1 49.00	+14 37.1	2.008	2.876	11.2	21.3
12 7	1 45.52	+14 12.7	2.090	2.867	14.2	21.5
466271 2013 NK_{5}			10 28.1 199°42		4°1/ 1.6 17	
9 28	2 32.06	+29 36.0	2.666	3.476	11.1	21.1
10 8	2 26.06	+29 32.3	2.586	3.474	8.8	21.0
10 18	2 18.59	+29 12.8	2.529	3.471	6.3	20.8
10 28	2 10.33	+28 37.9	2.500	3.468	4.4	20.7
11 7	2 2.09	+27 50.0	2.501	3.465	4.5	20.7
11 17	1 54.65	+26 53.4	2.530	3.461	6.5	20.8
11 27	1 48.69	+25 53.5	2.588	3.457	9.0	21.0
12 7	1 44.67	+24 55.9	2.670	3.453	11.3	21.1
385275 2001 SY_{136}			10 28.1 5°00		0°1/28.0 18	
9 28	2 29.93	+15 31.6	1.071	1.977	16.9	20.2
10 8	2 25.66	+14 52.7	1.021	1.976	11.9	19.9
10 18	2 18.71	+13 57.8	0.992	1.977	6.1	19.6
10 28	2 10.33	+12 53.5	0.985	1.979	0.1	19.2
11 7	2 2.11	+11 49.3	1.002	1.982	6.1	19.7
11 17	1 55.54	+10 55.0	1.043	1.987	11.7	20.0
11 27	1 51.73	+10 18.2	1.104	1.993	16.6	20.3
12 7	1 51.19	+10 2.5	1.183	2.000	20.6	20.6
158706 2003 GL_{7}			10 28.1 187°06		0°1/27.9 18	
9 28	2 34.49	+14 59.2	1.969	2.841	12.0	21.6
10 8	2 27.93	+14 22.2	1.901	2.841	8.4	21.3
10 18	2 19.60	+13 35.4	1.859	2.840	4.3	21.1
10 28	2 10.35	+12 42.6	1.846	2.839	0.1	20.7
11 7	2 1.18	+11 49.1	1.862	2.837	4.3	21.1
11 17	1 53.04	+11 0.5	1.906	2.835	8.4	21.3
11 27	1 46.75	+10 21.9	1.977	2.832	11.9	21.6
12 7	1 42.78	+ 9 56.7	2.069	2.828	14.9	21.8
22735 1998 SZ_{134}			10 28.1 135°46		2°3/25.6 18	
9 28	2 29.40	+ 8 4.6	2.439	3.323	9.5	18.5
10 8	2 24.07	+ 7 0.0	2.383	3.330	6.5	18.3
10 18	2 17.51	+ 5 52.4	2.355	3.336	3.5	18.1
10 28	2 10.35	+ 4 46.5	2.356	3.342	2.5	18.1
11 7	2 3.31	+ 3 47.4	2.388	3.348	4.9	18.2
11 17	1 57.06	+ 2 59.1	2.447	3.354	7.9	18.4
11 27	1 52.18	+ 2 24.8	2.533	3.360	10.6	18.6
12 7	1 49.03	+ 2 5.4	2.641	3.365	12.9	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
278311 2007 HA_{19}			10 28.1 291°55		0°5/28.4 18	
	h m	° ′			°	m
9 28	2 34.72	+15 46.7	1.457	2.341	14.7	20.9
10 8	2 28.77	+15 28.6	1.381	2.325	10.5	20.6
10 18	2 20.33	+14 57.5	1.328	2.309	5.6	20.3
10 28	2 10.38	+14 16.7	1.300	2.293	0.5	19.9
11 7	2 0.29	+13 32.0	1.299	2.278	5.2	20.2
11 17	1 51.41	+12 50.5	1.324	2.262	10.4	20.4
11 27	1 44.93	+12 19.2	1.373	2.246	15.0	20.7
12 7	1 41.51	+12 2.8	1.441	2.231	18.9	20.9
218584 2005 KB_{5}			10 28.1 263°26		0°2/27.9 17	
9 28	2 34.33	+15 32.2	1.457	2.343	14.6	20.7
10 8	2 28.37	+14 46.9	1.388	2.334	10.3	20.4
10 18	2 20.05	+13 47.4	1.342	2.325	5.3	20.1
10 28	2 10.39	+12 38.9	1.323	2.316	0.2	19.7
11 7	2 0.73	+11 29.1	1.330	2.307	5.4	20.1
11 17	1 52.37	+10 26.3	1.363	2.298	10.5	20.3
11 27	1 46.38	+ 9 38.1	1.420	2.288	15.0	20.6
12 7	1 43.34	+ 9 8.6	1.497	2.279	18.7	20.8
247518 2002 QU_{15}			10 28.1 94°96		2°8/25.5 18	
9 28	2 31.83	+ 9 10.5	1.843	2.732	11.8	19.9
10 8	2 25.97	+ 7 45.2	1.799	2.748	8.1	19.7
10 18	2 18.53	+ 6 15.3	1.781	2.763	4.3	19.5
10 28	2 10.38	+ 4 47.9	1.792	2.779	3.0	19.5
11 7	2 2.49	+ 3 30.4	1.832	2.794	6.0	19.7
11 17	1 55.73	+ 2 28.5	1.899	2.809	9.6	20.0
11 27	1 50.77	+ 1 45.8	1.991	2.823	12.8	20.2
12 7	1 48.01	+ 1 23.2	2.103	2.837	15.4	20.4
26022 4180 P–L			10 28.1 223°43		1°3/29.0 18	R
9 28	2 36.11	+18 11.1	1.582	2.455	14.4	19.2
10 8	2 29.50	+17 52.9	1.513	2.451	10.3	18.9
10 18	2 20.60	+17 20.2	1.468	2.446	5.7	18.6
10 28	2 10.41	+16 35.9	1.448	2.441	1.4	18.3
11 7	2 0.23	+15 45.5	1.457	2.436	4.8	18.6
11 17	1 51.32	+14 55.9	1.493	2.430	9.5	18.8
11 27	1 44.73	+14 14.2	1.553	2.424	13.7	19.1
12 7	1 41.02	+13 45.6	1.634	2.418	17.3	19.3
182300 2001 NG_{2}			10 28.1 113°22		2°9/26.1 18	
9 28	2 36.11	+ 7 41.5	1.641	2.530	13.0	20.8
10 8	2 29.09	+ 6 52.9	1.597	2.545	9.0	20.6
10 18	2 20.18	+ 6 1.2	1.578	2.560	4.8	20.3
10 28	2 10.41	+ 5 12.6	1.586	2.574	3.0	20.3
11 7	2 0.93	+ 4 32.9	1.622	2.587	6.3	20.5
11 17	1 52.79	+ 4 7.0	1.686	2.601	10.3	20.8
11 27	1 46.79	+ 3 57.7	1.773	2.613	13.8	21.0
12 7	1 43.34	+ 4 5.3	1.880	2.626	16.7	21.3
129268 2005 QK_{126}			10 28.1 330°69		1°5/26.9 18	
9 28	2 31.35	+11 4.2	1.864	2.751	11.8	20.4
10 8	2 25.83	+10 24.9	1.800	2.748	8.2	20.1
10 18	2 18.58	+ 9 39.3	1.761	2.745	4.2	19.9
10 28	2 10.40	+ 8 51.9	1.750	2.742	1.5	19.7
11 7	2 2.29	+ 8 8.1	1.768	2.740	5.0	19.9
11 17	1 55.18	+ 7 33.0	1.812	2.737	9.0	20.2
11 27	1 49.87	+ 7 10.8	1.882	2.735	12.5	20.4
12 7	1 46.83	+ 7 3.4	1.972	2.733	15.5	20.6
228119 2008 TM_{136}			10 28.1 353°84		0°2/28.5 18	
9 28	2 24.85	+15 11.4	4.150	5.013	6.4	20.5
10 8	2 20.65	+14 57.7	4.077	5.013	4.5	20.3
10 18	2 15.70	+14 39.7	4.033	5.012	2.3	20.2
10 28	2 10.38	+14 18.9	4.018	5.012	0.2	20.0
11 7	2 5.07	+13 57.2	4.034	5.011	2.1	20.2
11 17	2 0.17	+13 36.5	4.081	5.011	4.3	20.3
11 27	1 56.05	+13 18.8	4.156	5.010	6.2	20.5
12 7	1 52.97	+13 5.9	4.257	5.010	7.9	20.6
344034 2012 MK_{2}			10 28.1 87°03		3°9/31.4 17	
9 28	2 36.82	+26 25.4	1.569	2.415	15.9	20.7
10 8	2 29.75	+25 54.0	1.523	2.438	11.9	20.5
10 18	2 20.56	+24 59.9	1.498	2.461	7.7	20.3
10 28	2 10.43	+23 46.3	1.500	2.484	4.2	20.1
11 7	2 0.71	+22 20.3	1.530	2.506	5.1	20.2
11 17	1 52.57	+20 51.2	1.587	2.527	8.8	20.5
11 27	1 46.88	+19 28.4	1.670	2.549	12.5	20.8
12 7	1 44.01	+18 19.0	1.775	2.570	15.7	21.1
191527 2003 UA_{193}			10 28.1 104°88		1°2/29.2 18	
9 28	2 31.21	+18 29.5	2.307	3.169	10.8	20.8
10 8	2 25.49	+18 10.8	2.241	3.174	7.7	20.6
10 18	2 18.32	+17 41.8	2.202	3.178	4.3	20.4
10 28	2 10.41	+17 4.9	2.190	3.182	1.2	20.2
11 7	2 2.57	+16 24.0	2.208	3.186	3.5	20.4
11 17	1 55.60	+15 43.3	2.255	3.190	6.9	20.6
11 27	1 50.16	+15 7.6	2.329	3.194	10.0	20.8
12 7	1 46.69	+14 40.2	2.426	3.198	12.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
109874 2001 RX_{153}			10 28.1 151°61		2°6/30.7 18	
	h m	° ′			°	m
9 28	2 34.28	+23 40.6	2.582	3.417	10.7	20.4
10 8	2 27.51	+23 31.6	2.515	3.427	8.0	20.2
10 18	2 19.32	+23 9.8	2.474	3.436	5.1	20.1
10 28	2 10.42	+22 36.6	2.461	3.445	2.7	19.9
11 7	2 1.62	+21 55.1	2.479	3.453	3.6	20.0
11 17	1 53.69	+21 9.4	2.527	3.461	6.3	20.2
11 27	1 47.29	+20 24.4	2.603	3.468	9.1	20.4
12 7	1 42.83	+19 44.6	2.704	3.474	11.5	20.6
183072 2002 RA_{28}			10 28.1 44°28		5°1/25.2 18	
9 28	2 34.30	+ 5 27.5	1.072	1.983	16.4	18.9
10 8	2 28.28	+ 4 15.7	1.047	2.004	11.4	18.7
10 18	2 19.85	+ 3 4.7	1.044	2.026	6.6	18.5
10 28	2 10.42	+ 2 4.2	1.065	2.049	5.3	18.5
11 7	2 1.56	+ 1 23.0	1.109	2.072	8.9	18.8
11 17	1 54.57	+ 1 5.5	1.177	2.096	13.4	19.1
11 27	1 50.32	+ 1 12.9	1.266	2.120	17.3	19.5
12 7	1 49.14	+ 1 42.8	1.371	2.145	20.5	19.8
76992 2001 BR_{72}			10 28.1 143°24		5°6/ 2.6 18	
9 28	2 35.74	+32 27.5	2.134	2.935	13.8	19.8
10 8	2 28.87	+32 23.6	2.065	2.944	11.1	19.6
10 18	2 20.13	+31 58.1	2.019	2.952	8.2	19.4
10 28	2 10.43	+31 11.1	2.000	2.960	6.0	19.3
11 7	2 0.87	+30 5.9	2.009	2.968	5.8	19.3
11 17	1 52.47	+28 48.7	2.046	2.975	7.9	19.5
11 27	1 46.08	+27 27.6	2.110	2.981	10.6	19.7
12 7	1 42.15	+26 10.2	2.198	2.987	13.2	19.9
344175 2001 BO_{30}			10 28.1 313°38		3°4/30.3 18	
9 28	2 32.82	+22 13.1	1.447	2.318	15.6	20.6
10 8	2 27.65	+22 11.9	1.362	2.294	11.7	20.3
10 18	2 19.87	+21 51.4	1.299	2.271	7.3	20.0
10 28	2 10.43	+21 12.3	1.260	2.248	3.6	19.7
11 7	2 0.70	+20 19.1	1.247	2.226	5.4	19.8
11 17	1 52.13	+19 19.1	1.260	2.204	10.1	20.0
11 27	1 46.00	+18 22.0	1.296	2.183	14.8	20.2
12 7	1 43.05	+17 35.7	1.352	2.162	18.9	20.4
214535 2006 MR_{3}			10 28.1 120°11		2°3/26.7 18	
9 28	2 38.31	+ 9 4.7	1.450	2.339	14.4	20.4
10 8	2 30.88	+ 8 32.7	1.402	2.350	9.9	20.1
10 18	2 21.21	+ 7 55.9	1.378	2.361	5.2	19.9
10 28	2 10.46	+ 7 19.8	1.380	2.371	2.4	19.7
11 7	1 59.97	+ 6 50.5	1.410	2.381	6.3	20.0
11 17	1 51.01	+ 6 33.0	1.467	2.390	10.8	20.3
11 27	1 44.51	+ 6 30.7	1.547	2.399	14.8	20.6
12 7	1 40.93	+ 6 44.6	1.646	2.408	18.1	20.8
408560 2013 KA_{14}			10 28.1 181°78		4°9/23.5 18	
9 28	2 30.34	+ 0 0.8	2.128	3.018	10.4	20.9
10 8	2 24.90	− 1 2.3	2.075	3.018	7.6	20.7
10 18	2 18.02	− 2 2.3	2.049	3.018	5.3	20.6
10 28	2 10.42	− 2 53.1	2.050	3.018	5.2	20.6
11 7	2 2.93	− 3 29.9	2.080	3.018	7.3	20.7
11 17	1 56.31	− 3 49.3	2.136	3.018	10.1	20.9
11 27	1 51.25	− 3 50.0	2.216	3.017	12.8	21.1
12 7	1 48.14	− 3 32.8	2.315	3.017	15.0	21.3
28122 1998 SJ_{74}			10 28.1 34°80		2°1/26.7 18	
9 28	2 33.31	+ 9 15.8	1.558	2.452	13.3	18.7
10 8	2 27.35	+ 8 43.7	1.507	2.458	9.2	18.5
10 18	2 19.39	+ 8 6.9	1.480	2.464	4.8	18.2
10 28	2 10.44	+ 7 30.6	1.480	2.471	2.2	18.1
11 7	2 1.67	+ 7 0.7	1.507	2.478	5.9	18.3
11 17	1 54.17	+ 6 41.7	1.560	2.486	10.1	18.6
11 27	1 48.82	+ 6 37.2	1.637	2.493	13.9	18.9
12 7	1 46.06	+ 6 48.3	1.734	2.502	17.0	19.1
161243 2003 BX_{16}			10 28.1 202°58		0°6/28.6 18	
9 28	2 36.24	+16 3.2	1.862	2.732	12.7	20.7
10 8	2 29.33	+15 48.8	1.792	2.729	9.0	20.5
10 18	2 20.44	+15 24.0	1.746	2.726	4.8	20.2
10 28	2 10.47	+14 51.4	1.728	2.722	0.6	19.9
11 7	2 0.50	+14 15.4	1.740	2.717	4.3	20.2
11 17	1 51.63	+13 41.3	1.779	2.712	8.6	20.4
11 27	1 44.76	+13 14.2	1.845	2.707	12.3	20.6
12 7	1 40.40	+12 58.0	1.932	2.701	15.5	20.8
273638 2007 DO_{53}			10 28.1 119°39		2°1/26.4 18	
9 28	2 33.72	+10 45.5	1.671	2.560	12.9	20.8
10 8	2 27.50	+ 9 41.3	1.620	2.569	8.8	20.6
10 18	2 19.42	+ 8 30.2	1.594	2.578	4.5	20.4
10 28	2 10.45	+ 7 18.7	1.596	2.586	2.2	20.2
11 7	2 1.70	+ 6 14.0	1.625	2.594	5.8	20.5
11 17	1 54.18	+ 5 22.2	1.682	2.602	9.9	20.8
11 27	1 48.71	+ 4 47.9	1.764	2.610	13.6	21.0
12 7	1 45.70	+ 4 32.4	1.865	2.618	16.5	21.2

219054 1996 BR_{10} 10 28.1 197°.48 3°.4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.71	+26 16.7	2.333	3.165	11.8	20.3
10 8	2 25.95	+26 0.8	2.257	3.164	9.0	20.1
10 18	2 18.61	+25 29.0	2.206	3.163	6.0	19.9
10 28	2 10.45	+24 42.5	2.182	3.162	3.6	19.7
11 7	2 2.32	+23 44.9	2.188	3.161	4.1	19.8
11 17	1 55.10	+22 41.3	2.222	3.159	6.9	19.9
11 27	1 49.49	+21 38.0	2.284	3.157	9.8	20.1
12 7	1 45.95	+20 40.5	2.370	3.155	12.5	20.3

139656 2001 QW_{183} 10 28.1 22°.27 0°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.91	+16 29.4	1.540	2.425	14.0	19.6
10 8	2 26.47	+16 3.5	1.486	2.430	9.9	19.3
10 18	2 18.99	+15 25.1	1.454	2.436	5.2	19.1
10 28	2 10.45	+14 38.4	1.449	2.442	0.6	18.8
11 7	2 2.08	+13 49.4	1.471	2.449	4.7	19.1
11 17	1 54.98	+13 4.7	1.519	2.457	9.2	19.4
11 27	1 50.04	+12 30.2	1.591	2.465	13.2	19.6
12 7	1 47.75	+12 9.8	1.683	2.474	16.6	19.9

440960 2007 BF_{36} 10 28.1 229°.27 0°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.42	+14 59.0	1.836	2.710	12.6	22.5
10 8	2 28.82	+14 27.5	1.760	2.700	8.9	22.3
10 18	2 20.22	+13 45.3	1.708	2.689	4.6	22.0
10 28	2 10.47	+12 56.0	1.684	2.678	0.1	21.6
11 7	2 0.69	+12 5.1	1.690	2.666	4.6	22.0
11 17	1 51.96	+11 18.5	1.724	2.654	9.0	22.2
11 27	1 45.20	+10 42.0	1.783	2.641	12.9	22.4
12 7	1 40.96	+10 19.2	1.863	2.627	16.2	22.6

187596 2006 WG_{149} 10 28.1 143°.22 2°.5/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.35	+ 7 57.2	1.609	2.497	13.3	20.4
10 8	2 30.13	+ 7 30.8	1.555	2.503	9.2	20.2
10 18	2 20.83	+ 7 1.2	1.526	2.508	4.9	19.9
10 28	2 10.48	+ 6 33.1	1.524	2.513	2.6	19.8
11 7	2 0.30	+ 6 11.9	1.549	2.518	6.1	20.0
11 17	1 51.45	+ 6 1.8	1.602	2.522	10.3	20.3
11 27	1 44.82	+ 6 5.6	1.679	2.526	14.1	20.5
12 7	1 40.91	+ 6 24.3	1.776	2.530	17.2	20.8

194926 2002 AM_{133} 10 28.1 268°.21 1°.4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.17	+19 46.4	1.673	2.543	13.8	20.3
10 8	2 27.43	+19 8.0	1.597	2.532	10.0	20.1
10 18	2 19.55	+18 12.8	1.544	2.521	5.6	19.8
10 28	2 10.47	+17 4.2	1.518	2.510	1.6	19.5
11 7	2 1.36	+15 48.6	1.520	2.499	4.5	19.7
11 17	1 53.38	+14 34.2	1.549	2.487	9.1	19.9
11 27	1 47.52	+13 28.8	1.603	2.476	13.3	20.2
12 7	1 44.34	+12 38.3	1.679	2.464	16.8	20.4

166400 2002 NS_{23} 10 28.1 64°.88 9°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.73	− 8 58.8	1.633	2.519	13.3	19.3
10 8	2 26.71	−10 27.0	1.607	2.533	10.7	19.2
10 18	2 18.97	−11 40.3	1.605	2.547	9.3	19.2
10 28	2 10.46	−12 30.5	1.629	2.561	9.7	19.2
11 7	2 2.28	−12 52.7	1.677	2.576	11.5	19.4
11 17	1 55.38	−12 45.8	1.748	2.590	14.0	19.6
11 27	1 50.49	−12 11.9	1.840	2.605	16.4	19.8
12 7	1 47.99	−11 15.4	1.948	2.619	18.4	20.0

265161 2003 WW_{81} 10 28.1 6°.97 3°.8/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.63	+26 21.4	2.128	2.965	12.6	20.1
10 8	2 26.02	+26 19.5	2.056	2.965	9.7	20.0
10 18	2 18.70	+26 1.1	2.009	2.965	6.5	19.8
10 28	2 10.46	+25 26.9	1.988	2.966	4.1	19.6
11 7	2 2.25	+24 40.1	1.995	2.967	4.6	19.7
11 17	1 55.01	+23 46.1	2.031	2.968	7.3	19.8
11 27	1 49.52	+22 51.2	2.093	2.970	10.4	20.0
12 7	1 46.27	+22 1.4	2.178	2.971	13.2	20.2

305119 2007 VC_{98} 10 28.1 156°.37 3°.3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.46	+26 0.3	1.950	2.792	13.4	20.1
10 8	2 26.65	+25 23.0	1.880	2.794	10.1	19.9
10 18	2 19.02	+24 26.2	1.833	2.795	6.5	19.6
10 28	2 10.47	+23 12.3	1.813	2.797	3.6	19.5
11 7	2 2.03	+21 46.9	1.822	2.798	4.4	19.5
11 17	1 54.70	+20 17.4	1.860	2.799	7.7	19.7
11 27	1 49.28	+18 52.2	1.924	2.801	11.2	20.0
12 7	1 46.23	+17 37.8	2.012	2.801	14.3	20.2

426387 2013 PR_{21} 10 28.1 53°.11 2°.4/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.70	+19 33.0	1.117	2.002	18.1	21.1
10 8	2 30.89	+19 26.7	1.079	2.021	13.0	20.9
10 18	2 21.34	+19 1.1	1.062	2.040	7.4	20.6
10 28	2 10.50	+18 20.0	1.069	2.060	2.5	20.4
11 7	2 0.12	+17 30.7	1.100	2.080	5.6	20.6
11 17	1 51.74	+16 42.3	1.156	2.101	10.8	21.0
11 27	1 46.39	+16 3.2	1.235	2.121	15.4	21.3
12 7	1 44.46	+15 38.7	1.332	2.142	19.1	21.6

5153 Gierasch 10 28.1 279°.44 6°.5/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.27	− 3 30.3	1.827	2.714	12.0	16.2
10 8	2 27.98	− 4 20.3	1.759	2.696	9.1	16.0
10 18	2 19.78	− 5 3.8	1.716	2.678	6.9	15.8
10 28	2 10.49	− 5 34.0	1.700	2.660	6.9	15.8
11 7	2 1.15	− 5 45.5	1.710	2.642	9.1	15.9
11 17	1 52.81	− 5 35.3	1.746	2.623	12.3	16.0
11 27	1 46.33	− 5 3.1	1.805	2.605	15.3	16.2
12 7	1 42.28	− 4 10.9	1.883	2.586	18.0	16.4

329573 2002 VQ_{131} 10 28.1 28°.88 0°.8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.92	+12 28.9	0.996	1.904	17.7	19.6
10 8	2 29.09	+12 19.6	0.962	1.917	12.3	19.4
10 18	2 20.46	+12 0.2	0.947	1.932	6.2	19.1
10 28	2 10.49	+11 36.1	0.955	1.949	0.8	18.8
11 7	2 0.96	+11 14.2	0.987	1.966	6.4	19.2
11 17	1 53.40	+11 1.1	1.043	1.985	12.0	19.6
11 27	1 48.88	+11 1.7	1.119	2.004	16.7	19.9
12 7	1 47.79	+11 17.9	1.212	2.025	20.5	20.3

157825 1997 RE_{8} 10 28.1 72°.07 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.48	+14 43.1	2.184	3.056	11.0	19.9
10 8	2 26.37	+14 30.3	2.130	3.070	7.6	19.7
10 18	2 18.79	+14 10.1	2.103	3.083	4.0	19.5
10 28	2 10.49	+13 45.2	2.103	3.097	0.2	19.2
11 7	2 2.34	+13 19.1	2.134	3.111	3.7	19.6
11 17	1 55.15	+12 55.8	2.193	3.124	7.3	19.8
11 27	1 49.58	+12 38.8	2.278	3.138	10.4	20.0
12 7	1 46.04	+12 30.8	2.386	3.152	13.0	20.2

486599 2013 JZ_{52} 10 28.1 52°.98 0°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.02	+12 53.0	1.907	2.785	12.1	20.5
10 8	2 28.28	+12 58.1	1.856	2.798	8.4	20.3
10 18	2 19.82	+12 56.9	1.831	2.812	4.3	20.0
10 28	2 10.50	+12 51.8	1.833	2.827	0.1	19.7
11 7	2 1.36	+12 45.8	1.864	2.841	4.2	20.1
11 17	1 53.34	+12 42.4	1.924	2.856	8.1	20.4
11 27	1 47.22	+12 44.9	2.009	2.870	11.5	20.6
12 7	1 43.44	+12 55.5	2.117	2.885	14.3	20.8

192476 1998 FN_{133} 10 28.1 171°.06 0°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.06	+15 57.7	1.900	2.771	12.4	20.6
10 8	2 28.43	+15 37.6	1.835	2.773	8.7	20.4
10 18	2 19.95	+15 7.3	1.795	2.775	4.6	20.2
10 28	2 10.50	+14 29.8	1.783	2.776	0.5	19.9
11 7	2 1.13	+13 49.7	1.800	2.777	4.2	20.2
11 17	1 52.85	+13 12.3	1.846	2.778	8.3	20.4
11 27	1 46.50	+12 42.7	1.917	2.779	12.0	20.7
12 7	1 42.55	+12 24.3	2.010	2.779	15.0	20.9

100765 1998 FZ_{23} 10 28.1 286°.03 1°.9/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.70	+18 13.5	1.369	2.248	15.8	19.4
10 8	2 30.35	+18 13.4	1.296	2.236	11.4	19.1
10 18	2 21.26	+17 58.1	1.245	2.224	6.5	18.8
10 28	2 10.53	+17 29.3	1.220	2.212	2.0	18.5
11 7	1 59.63	+16 52.0	1.220	2.199	5.3	18.7
11 17	1 50.10	+16 13.1	1.247	2.187	10.6	18.9
11 27	1 43.20	+15 40.7	1.296	2.176	15.3	19.2
12 7	1 39.63	+15 20.8	1.365	2.164	19.3	19.4

358900 2008 GY_{56} 10 28.1 109°.59 1°.4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.27	+11 5.1	2.232	3.112	10.4	21.4
10 8	2 25.47	+10 17.8	2.180	3.125	7.1	21.2
10 18	2 18.31	+ 9 25.5	2.154	3.137	3.6	21.0
10 28	2 10.49	+ 8 32.2	2.157	3.148	1.4	20.9
11 7	2 2.83	+ 7 43.0	2.190	3.160	4.4	21.1
11 17	1 56.09	+ 7 2.0	2.251	3.171	7.8	21.3
11 27	1 50.88	+ 6 32.7	2.339	3.182	10.8	21.5
12 7	1 47.60	+ 6 16.9	2.449	3.193	13.2	21.7

486196 2013 AS_{44} 10 28.1 296°.62 9°.1/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.04	− 9 0.2	1.710	2.595	12.8	20.9
10 8	2 26.49	−10 25.3	1.653	2.578	10.5	20.7
10 18	2 19.03	−11 38.9	1.621	2.562	9.2	20.6
10 28	2 10.50	−12 32.1	1.614	2.546	9.7	20.6
11 7	2 1.99	−12 58.3	1.631	2.530	11.8	20.7
11 17	1 54.52	−12 54.6	1.672	2.514	14.5	20.8
11 27	1 48.99	−12 21.8	1.732	2.498	17.2	21.0
12 7	1 45.90	−11 23.5	1.810	2.483	19.5	21.1

174175 2002 PY_{97} 10 28.1 60°.04 5°.6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.62	+26 59.4	1.621	2.459	15.8	19.3
10 8	2 31.93	+27 44.6	1.571	2.477	12.3	19.1
10 18	2 21.85	+28 9.5	1.544	2.496	8.6	18.9
10 28	2 10.54	+28 12.6	1.542	2.515	5.9	18.8
11 7	1 59.42	+27 56.3	1.568	2.534	6.3	18.9
11 17	1 49.83	+27 26.4	1.620	2.553	9.2	19.1
11 27	1 42.79	+26 50.8	1.697	2.572	12.5	19.3
12 7	1 38.80	+26 17.2	1.796	2.592	15.5	19.6

365357 2009 SQ_{330} 10 28.1 337°.35 6°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 28.77	− 2 13.3	1.947	2.842	11.0	19.9
10 8	2 23.96	− 3 48.3	1.897	2.838	8.3	19.7
10 18	2 17.61	− 5 18.6	1.873	2.834	6.5	19.6
10 28	2 10.48	− 6 36.2	1.875	2.831	6.8	19.6
11 7	2 3.45	− 7 34.7	1.905	2.827	9.0	19.8
11 17	1 57.32	− 8 10.2	1.960	2.825	11.7	19.9
11 27	1 52.82	− 8 21.2	2.037	2.822	14.3	20.1
12 7	1 50.35	− 8 9.5	2.133	2.820	16.6	20.3

160056 1999 UF_{52} 10 28.1 13°.81 7°.4/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 27.90	+ 1 14.7	0.932	1.857	16.8	17.8
10 8	2 24.21	+ 0 4.4	0.905	1.866	12.1	17.6
10 18	2 17.95	− 0 59.0	0.898	1.877	8.2	17.4
10 28	2 10.48	− 1 44.4	0.912	1.890	7.7	17.4
11 7	2 3.41	− 2 3.4	0.948	1.905	11.0	17.7
11 17	1 58.09	− 1 53.0	1.005	1.923	15.2	18.0
11 27	1 55.48	− 1 14.4	1.080	1.942	19.1	18.3
12 7	1 55.94	− 0 12.2	1.172	1.963	22.3	18.6

163872 2003 SD_{146} 10 28.1 340°.44 4°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.63	+21 58.6	1.408	2.272	16.3	18.9
10 8	2 31.82	+23 5.1	1.337	2.263	12.4	18.6
10 18	2 22.10	+23 57.2	1.288	2.254	8.1	18.4
10 28	2 10.55	+24 31.7	1.264	2.246	5.0	18.2
11 7	1 58.72	+24 48.9	1.266	2.239	6.4	18.3
11 17	1 48.23	+24 52.4	1.294	2.233	10.5	18.5
11 27	1 40.49	+24 49.1	1.346	2.227	14.7	18.7
12 7	1 36.24	+24 46.4	1.417	2.223	18.4	18.9

441752 2009 CG_{2} 10 28.1 311°.09 4°.0/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.86	+ 4 29.6	1.670	2.565	12.5	20.7
10 8	2 27.03	+ 3 40.6	1.611	2.561	8.8	20.5
10 18	2 19.28	+ 2 51.0	1.577	2.556	5.3	20.3
10 28	2 10.51	+ 2 7.2	1.569	2.552	4.3	20.2
11 7	2 1.81	+ 1 35.1	1.589	2.548	7.2	20.4
11 17	1 54.24	+ 1 19.2	1.635	2.543	11.0	20.6
11 27	1 48.65	+ 1 21.9	1.704	2.539	14.5	20.8
12 7	1 45.54	+ 1 43.0	1.792	2.536	17.4	21.0

490250 2008 WS_{95} 10 28.1 0°.01 6°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 27.21	+ 2 51.0	0.891	1.819	17.0	19.7
10 8	2 24.04	+ 2 8.8	0.849	1.813	12.2	19.4
10 18	2 18.04	+ 1 30.1	0.826	1.809	7.7	19.1
10 28	2 10.49	+ 1 4.7	0.824	1.808	6.6	19.1
11 7	2 3.10	+ 1 1.1	0.843	1.809	10.3	19.3
11 17	1 57.42	+ 1 23.2	0.882	1.813	15.2	19.6
11 27	1 54.64	+ 2 11.3	0.940	1.819	19.7	19.9
12 7	1 55.24	+ 3 21.8	1.013	1.828	23.4	20.1

174755 2003 UN_{297} 10 28.1 254°.50 2°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.14	+18 47.3	1.531	2.401	14.9	20.7
10 8	2 31.18	+18 52.1	1.454	2.389	10.9	20.4
10 18	2 21.65	+18 42.5	1.400	2.377	6.3	20.1
10 28	2 10.55	+18 19.7	1.373	2.364	2.2	19.8
11 7	1 59.29	+17 47.8	1.373	2.351	5.0	20.0
11 17	1 49.28	+17 12.9	1.400	2.338	9.9	20.2
11 27	1 41.73	+16 42.3	1.451	2.324	14.3	20.4
12 7	1 37.31	+16 22.0	1.522	2.311	18.1	20.7

100947 1998 OS_{12} 10 28.1 13°.18 10°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.78	+36 1.1	1.255	2.078	20.4	17.7
10 8	2 29.42	+37 10.1	1.202	2.083	17.2	17.5
10 18	2 20.89	+37 46.3	1.167	2.089	13.9	17.3
10 28	2 10.54	+37 44.8	1.152	2.097	11.4	17.2
11 7	2 0.21	+37 7.0	1.160	2.106	10.8	17.2
11 17	1 51.71	+36 0.9	1.190	2.116	12.5	17.3
11 27	1 46.42	+34 39.4	1.241	2.128	15.3	17.6
12 7	1 44.93	+33 15.8	1.312	2.141	18.3	17.8

125791 2001 XJ_{152} 10 28.1 7°.11 0°.0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.81	+15 34.5	1.221	2.118	16.0	19.0
10 8	2 26.82	+14 59.3	1.167	2.118	11.2	18.8
10 18	2 19.33	+14 9.6	1.135	2.119	5.8	18.5
10 28	2 10.52	+13 11.2	1.128	2.121	0.1	18.0
11 7	2 1.85	+12 12.0	1.145	2.124	5.6	18.5
11 17	1 54.70	+11 20.8	1.187	2.128	11.0	18.8
11 27	1 50.14	+10 44.6	1.251	2.133	15.6	19.1
12 7	1 48.67	+10 27.3	1.334	2.138	19.4	19.4

129463 1993 FA_{10} 10 28.1 140°.45 0°.0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.26	+14 38.4	2.187	3.055	11.1	20.9
10 8	2 28.30	+14 17.8	2.129	3.067	7.8	20.7
10 18	2 19.80	+13 49.4	2.098	3.078	4.0	20.5
10 28	2 10.53	+13 16.1	2.095	3.089	0.1	20.2
11 7	2 1.42	+12 41.8	2.123	3.099	3.8	20.5
11 17	1 53.31	+12 10.9	2.180	3.108	7.5	20.8
11 27	1 46.91	+11 47.3	2.264	3.117	10.7	21.0
12 7	1 42.63	+11 33.6	2.371	3.126	13.3	21.2

492831 2014 QB_{304} 10 28.1 328°.01 9°.5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.33	+39 46.7	2.027	2.788	15.8	21.4
10 8	2 30.66	+40 53.4	1.947	2.779	13.7	21.3
10 18	2 21.42	+41 36.3	1.886	2.770	11.5	21.1
10 28	2 10.55	+41 50.8	1.849	2.762	10.0	21.0
11 7	1 59.39	+41 36.2	1.837	2.754	9.6	20.9
11 17	1 49.35	+40 55.9	1.850	2.747	10.6	21.0
11 27	1 41.66	+39 57.5	1.887	2.739	12.5	21.1
12 7	1 37.05	+38 50.7	1.945	2.733	14.8	21.3

362868 2012 BD_{76} 10 28.1 104°.24 4°.6/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.62	+ 0 40.7	2.152	3.042	10.3	20.6
10 8	2 25.08	− 0 19.7	2.104	3.047	7.5	20.5
10 18	2 18.14	− 1 17.1	2.081	3.052	5.1	20.3
10 28	2 10.52	− 2 6.0	2.087	3.057	4.9	20.3
11 7	2 3.03	− 2 41.5	2.121	3.062	7.0	20.5
11 17	1 56.44	− 3 0.6	2.181	3.066	9.8	20.7
11 27	1 51.38	− 3 1.9	2.266	3.071	12.4	20.9
12 7	1 48.25	− 2 46.1	2.371	3.076	14.6	21.0

352360 2007 VX_{203} 10 28.1 245°.56 4°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.47	+ 1 46.0	2.202	3.084	10.5	21.3
10 8	2 27.89	+ 1 10.6	2.127	3.068	7.5	21.1
10 18	2 19.68	+ 0 36.9	2.079	3.052	4.8	20.9
10 28	2 10.55	+ 0 9.6	2.059	3.036	4.2	20.9
11 7	2 1.38	− 0 7.1	2.069	3.019	6.5	21.0
11 17	1 53.03	− 0 10.1	2.107	3.001	9.6	21.1
11 27	1 46.27	+ 0 2.1	2.170	2.983	12.6	21.3
12 7	1 41.60	+ 0 29.6	2.254	2.965	15.2	21.5

485164 2010 RB_{99} 10 28.1 338°.65 7°.4/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.84	+30 24.5	1.667	2.492	16.0	20.9
10 8	2 30.42	+31 29.0	1.591	2.483	13.0	20.6
10 18	2 21.34	+32 13.1	1.537	2.474	9.9	20.4
10 28	2 10.57	+32 33.0	1.507	2.466	7.7	20.3
11 7	1 59.54	+32 28.7	1.503	2.458	7.8	20.3
11 17	1 49.69	+32 4.1	1.524	2.451	10.2	20.4
11 27	1 42.32	+31 27.4	1.570	2.445	13.3	20.6
12 7	1 38.17	+30 47.5	1.637	2.440	16.4	20.8

82479 2001 OU_{25} 10 28.1 77°.09 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.83	+16 34.7	1.432	2.313	15.0	19.7
10 8	2 29.14	+15 49.6	1.390	2.334	10.5	19.5
10 18	2 20.33	+14 51.2	1.372	2.354	5.4	19.3
10 28	2 10.57	+13 45.1	1.380	2.374	0.3	18.9
11 7	2 1.19	+12 39.0	1.416	2.394	5.0	19.4
11 17	1 53.38	+11 40.5	1.478	2.414	9.7	19.7
11 27	1 47.99	+10 56.0	1.564	2.433	13.8	20.0
12 7	1 45.40	+10 28.7	1.671	2.452	17.0	20.3

514123 2015 FW_{338} 10 28.1 45°.51 5°.8/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.21	+ 1 37.6	1.314	2.218	14.6	20.3
10 8	2 27.95	+ 0 37.0	1.290	2.241	10.4	20.2
10 18	2 19.67	− 0 18.2	1.289	2.265	6.7	20.0
10 28	2 10.56	− 1 0.2	1.313	2.289	6.1	20.1
11 7	2 1.95	− 1 23.0	1.362	2.314	8.9	20.3
11 17	1 54.92	− 1 23.7	1.436	2.340	12.6	20.6
11 27	1 50.26	− 1 2.5	1.531	2.365	15.9	20.9
12 7	1 48.32	− 0 22.1	1.644	2.391	18.6	21.1

14092 Gaily 10 28.1 129°.09 0°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.98	+15 32.5	1.884	2.760	12.3	19.3
10 8	2 26.98	+15 0.2	1.822	2.763	8.6	19.1
10 18	2 19.23	+14 17.8	1.785	2.766	4.5	18.9
10 28	2 10.56	+13 29.0	1.775	2.769	0.1	18.5
11 7	2 2.00	+12 39.0	1.794	2.772	4.3	18.9
11 17	1 54.51	+11 53.5	1.842	2.774	8.3	19.1
11 27	1 48.87	+11 17.6	1.915	2.777	11.9	19.4
12 7	1 45.56	+10 54.6	2.009	2.779	14.9	19.6

2005 Hencke 10 28.1 357°.12 9°.2/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.58	+35 38.9	1.377	2.196	19.1	15.6
10 8	2 27.69	+36 8.1	1.310	2.192	15.9	15.4
10 18	2 19.96	+36 5.4	1.262	2.190	12.6	15.2
10 28	2 10.57	+35 27.6	1.236	2.188	9.9	15.0
11 7	2 1.16	+34 17.5	1.233	2.187	9.3	15.0
11 17	1 53.34	+32 43.8	1.253	2.187	11.3	15.1
11 27	1 48.38	+30 59.5	1.297	2.189	14.4	15.3
12 7	1 46.88	+29 17.6	1.361	2.191	17.7	15.5

180055 2003 BR_{32} 10 28.1 62°.02 2°.5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.21	+21 46.4	1.899	2.757	13.0	20.4
10 8	2 27.21	+21 35.8	1.834	2.760	9.6	20.2
10 18	2 19.37	+21 10.4	1.793	2.764	5.8	19.9
10 28	2 10.57	+20 32.0	1.780	2.768	2.7	19.7
11 7	2 1.84	+19 45.0	1.794	2.772	4.2	19.9
11 17	1 54.20	+18 55.1	1.837	2.776	7.9	20.1
11 27	1 48.49	+18 8.7	1.905	2.780	11.4	20.3
12 7	1 45.18	+17 31.0	1.996	2.784	14.4	20.5

97595 2000 EX_{37} 10 28.1 211°.86 0°.9/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.18	+17 29.2	2.663	3.523	9.6	19.7
10 8	2 25.42	+17 14.5	2.587	3.519	6.9	19.5
10 18	2 18.35	+16 51.4	2.537	3.514	3.8	19.3
10 28	2 10.56	+16 21.9	2.517	3.510	0.9	19.1
11 7	2 2.79	+15 49.0	2.527	3.505	3.1	19.3
11 17	1 55.73	+15 16.3	2.567	3.500	6.3	19.5
11 27	1 49.99	+14 47.5	2.634	3.494	9.1	19.6
12 7	1 46.00	+14 25.8	2.725	3.489	11.6	19.8

223330 2003 QL_{60} 10 28.1 9°.12 8°.8/ 2.8 17

9 28	2 41.21	+35 27.1	1.950	2.733	15.6	19.3
10 8	2 33.36	+36 57.3	1.880	2.735	13.1	19.1
10 18	2 22.84	+38 6.2	1.832	2.736	10.7	19.0
10 28	2 10.63	+38 48.7	1.809	2.739	9.1	18.9
11 7	1 58.12	+39 3.4	1.813	2.741	8.9	18.9
11 17	1 46.79	+38 53.4	1.843	2.745	10.3	19.0
11 27	1 37.89	+38 25.8	1.897	2.748	12.6	19.1
12 7	1 32.17	+37 49.8	1.973	2.753	14.9	19.3

264843 2002 QT_{97} 10 28.1 239°.94 4°.5/23.5 18

9 28	2 29.60	− 0 5.3	2.373	3.261	9.6	20.8
10 8	2 24.34	− 1 4.6	2.317	3.258	7.0	20.6
10 18	2 17.78	− 2 1.0	2.286	3.254	4.9	20.5
10 28	2 10.56	− 2 49.4	2.284	3.251	4.8	20.5
11 7	2 3.40	− 3 25.2	2.311	3.248	6.8	20.6
11 17	1 57.01	− 3 45.4	2.364	3.244	9.4	20.7
11 27	1 51.99	− 3 48.6	2.442	3.240	11.8	20.9
12 7	1 48.75	− 3 35.2	2.541	3.237	14.0	21.1

429729 2011 KF_{29} 10 28.1 87°.26 5°.5/ 2.3 16

9 28	2 37.81	+31 37.9	1.804	2.617	15.5	20.8
10 8	2 30.33	+31 18.9	1.757	2.646	12.2	20.7
10 18	2 20.89	+30 35.5	1.732	2.674	8.7	20.5
10 28	2 10.60	+29 29.3	1.734	2.701	6.0	20.4
11 7	2 0.74	+28 6.0	1.763	2.729	5.8	20.5
11 17	1 52.40	+26 33.8	1.821	2.755	8.3	20.7
11 27	1 46.38	+25 2.2	1.905	2.781	11.3	20.9
12 7	1 43.06	+23 39.3	2.013	2.806	14.1	21.2

264411 2000 HK_{74} 10 28.1 252°.33 7°.0/20.8 18

9 28	2 33.73	−13 20.5	2.823	3.674	9.4	21.1
10 8	2 27.10	−13 58.7	2.757	3.655	7.9	21.0
10 18	2 19.18	−14 25.8	2.718	3.636	7.1	20.9
10 28	2 10.59	−14 37.4	2.707	3.616	7.3	20.9
11 7	2 2.00	−14 30.6	2.724	3.596	8.6	20.9
11 17	1 54.11	−14 4.5	2.767	3.576	10.4	21.0
11 27	1 47.51	−13 19.6	2.833	3.555	12.2	21.1
12 7	1 42.61	−12 18.3	2.920	3.534	13.8	21.3

115309 2003 SN_{211} 10 28.1 108°.02 0°.3/27.9 18

9 28	2 33.12	+12 39.3	2.268	3.142	10.5	19.4
10 8	2 26.85	+12 31.1	2.206	3.147	7.3	19.2
10 18	2 19.10	+12 17.4	2.170	3.152	3.7	19.0
10 28	2 10.58	+12 0.6	2.163	3.157	0.3	18.8
11 7	2 2.14	+11 43.8	2.186	3.161	3.8	19.1
11 17	1 54.58	+11 30.4	2.238	3.166	7.3	19.3
11 27	1 48.59	+11 23.6	2.316	3.171	10.4	19.5
12 7	1 44.60	+11 25.5	2.417	3.175	13.0	19.7

492659 2014 PO 10 28.2 8°.08 14°.8/11.2 17

9 28	2 27.60	−24 35.1	1.609	2.454	15.6	19.9
10 8	2 23.43	−26 52.2	1.600	2.457	14.9	19.9
10 18	2 17.43	−28 38.7	1.611	2.461	15.0	19.9
10 28	2 10.55	−29 45.7	1.643	2.465	15.9	20.0
11 7	2 3.91	−30 9.6	1.693	2.471	17.2	20.1
11 17	1 58.49	−29 51.8	1.760	2.478	18.7	20.3
11 27	1 55.04	−28 56.9	1.841	2.486	20.1	20.4
12 7	1 53.97	−27 32.1	1.933	2.495	21.2	20.6

58155 1988 VD 10 28.2 302°.59 4°.5/28.7 18

9 28	2 53.65	+14 28.4	0.981	1.861	20.4	17.6
10 8	2 43.93	+16 46.9	0.906	1.845	15.1	17.3
10 18	2 29.21	+19 7.6	0.852	1.829	9.1	16.9
10 28	2 10.75	+21 20.2	0.824	1.813	4.5	16.6
11 7	1 51.07	+23 14.6	0.822	1.797	8.4	16.7
11 17	1 33.18	+24 46.4	0.846	1.782	14.9	17.0
11 27	1 19.64	+26 0.2	0.891	1.767	20.8	17.3
12 7	1 11.69	+27 5.2	0.953	1.753	25.7	17.6

15845 Bambi 10 28.2 18°.05 3°.7/26.4 18

9 28	2 36.46	+ 5 45.6	1.132	2.038	16.2	17.2
10 8	2 30.11	+ 5 32.8	1.087	2.042	11.3	16.9
10 18	2 21.06	+ 5 19.8	1.063	2.046	6.3	16.7
10 28	2 10.61	+ 5 12.5	1.063	2.052	3.8	16.5
11 7	2 0.41	+ 5 16.3	1.088	2.058	7.7	16.8
11 17	1 51.94	+ 5 34.8	1.137	2.066	12.7	17.1
11 27	1 46.32	+ 6 9.6	1.207	2.074	17.1	17.4
12 7	1 44.04	+ 7 0.0	1.294	2.082	20.7	17.7

65318 2002 JH_{107} 10 28.2 135°.08 3°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.23	+24 33.3	1.531	2.384	15.8	19.4
10 8	2 30.35	+24 16.8	1.470	2.392	11.8	19.1
10 18	2 21.10	+23 39.0	1.432	2.399	7.5	18.9
10 28	2 10.63	+22 41.7	1.420	2.405	3.9	18.7
11 7	2 0.32	+21 31.1	1.434	2.411	5.2	18.8
11 17	1 51.51	+20 15.6	1.476	2.417	9.3	19.1
11 27	1 45.19	+19 4.7	1.543	2.422	13.3	19.3
12 7	1 41.88	+18 5.9	1.631	2.427	16.8	19.6

315839 2008 HU_5 10 28.2 35°.97 2°.5/25.9 18

9 28	2 29.96	+ 9 36.7	1.774	2.668	12.0	20.2
10 8	2 24.87	+ 8 26.9	1.724	2.675	8.2	20.0
10 18	2 18.13	+ 7 11.6	1.699	2.682	4.3	19.8
10 28	2 10.58	+ 5 57.4	1.701	2.690	2.6	19.7
11 7	2 3.21	+ 4 51.3	1.731	2.698	5.8	19.9
11 17	1 56.90	+ 3 59.1	1.789	2.706	9.6	20.2
11 27	1 52.40	+ 3 24.6	1.870	2.715	13.0	20.4
12 7	1 50.11	+ 3 9.0	1.972	2.724	15.8	20.6

519304 2011 DG_{53} 10 28.2 229°.04 0°.3/27.9 18

9 28	2 36.57	+13 46.2	1.721	2.598	13.1	22.3
10 8	2 29.75	+13 27.4	1.649	2.591	9.2	22.1
10 18	2 20.80	+12 59.5	1.601	2.583	4.8	21.8
10 28	2 10.63	+12 25.8	1.581	2.574	0.3	21.4
11 7	2 0.43	+11 51.2	1.589	2.565	4.8	21.8
11 17	1 51.36	+11 21.1	1.625	2.556	9.4	22.0
11 27	1 44.40	+11 0.7	1.686	2.546	13.4	22.2
12 7	1 40.12	+10 53.2	1.768	2.536	16.7	22.5

449934 2015 OX_{25} 10 28.2 187°.16 5°.6/ 2.3 18

9 28	2 35.91	+31 51.7	2.106	2.912	13.8	21.2
10 8	2 29.16	+31 55.2	2.030	2.911	11.1	21.0
10 18	2 20.44	+31 37.6	1.976	2.911	8.2	20.9
10 28	2 10.62	+30 58.3	1.948	2.910	6.0	20.7
11 7	2 0.84	+30 0.3	1.948	2.908	5.9	20.7
11 17	1 52.16	+28 49.2	1.977	2.906	8.1	20.9
11 27	1 45.48	+27 33.0	2.032	2.904	10.9	21.0
12 7	1 41.33	+26 19.7	2.111	2.901	13.6	21.2

483883 2005 YO_{227} 10 28.2 259°.13 4°.7/23.5 17

9 28	2 30.78	− 0 33.8	2.360	3.246	9.7	22.3
10 8	2 25.24	− 1 28.8	2.292	3.232	7.1	22.1
10 18	2 18.30	− 2 21.0	2.250	3.217	5.1	21.9
10 28	2 10.60	− 3 5.2	2.237	3.203	5.0	21.9
11 7	2 2.89	− 3 36.8	2.252	3.188	7.0	22.0
11 17	1 55.92	− 3 52.6	2.294	3.173	9.6	22.1
11 27	1 50.36	− 3 51.1	2.361	3.158	12.2	22.3
12 7	1 46.63	− 3 32.7	2.448	3.143	14.5	22.4

402544 2006 HH_{112} 10 28.2 37°.61 2°.5/30.2 17

9 28	2 33.46	+21 8.7	2.122	2.976	12.0	20.7
10 8	2 27.28	+21 19.5	2.057	2.981	8.8	20.5
10 18	2 19.41	+21 18.2	2.016	2.986	5.4	20.3
10 28	2 10.62	+21 5.7	2.004	2.991	2.6	20.2
11 7	2 1.88	+20 44.8	2.020	2.996	4.0	20.3
11 17	1 54.10	+20 19.6	2.064	3.001	7.3	20.5
11 27	1 48.07	+19 54.9	2.135	3.007	10.5	20.7
12 7	1 44.26	+19 35.3	2.229	3.013	13.2	20.9

514200 2015 ML_{133} 10 28.2 151°.69 0°.5/28.6 18

9 28	2 35.36	+16 19.6	2.118	2.983	11.5	22.7
10 8	2 28.48	+15 57.7	2.056	2.991	8.1	22.5
10 18	2 19.97	+15 26.3	2.020	2.999	4.3	22.3
10 28	2 10.63	+14 48.2	2.013	3.006	0.6	22.0
11 7	2 1.42	+14 7.6	2.036	3.013	3.8	22.3
11 17	1 53.24	+13 29.2	2.088	3.019	7.6	22.5
11 27	1 46.81	+12 57.8	2.167	3.025	10.9	22.8
12 7	1 42.59	+12 36.6	2.269	3.030	13.7	23.0

342690 2008 VK_{64} 10 28.2 334°.43 10°.9/20.3 18

9 28	2 31.95	− 9 46.8	1.341	2.235	15.0	19.2
10 8	2 26.77	−11 15.3	1.295	2.224	12.4	19.0
10 18	2 19.31	−12 28.1	1.270	2.213	11.0	18.9
10 28	2 10.63	−13 14.1	1.268	2.203	11.5	18.9
11 7	2 2.04	−13 26.3	1.289	2.194	13.8	19.0
11 17	1 54.79	−13 2.5	1.332	2.186	16.8	19.2
11 27	1 49.89	−12 5.1	1.392	2.178	19.7	19.4
12 7	1 47.84	−10 40.1	1.468	2.172	22.3	19.6

229808 2008 SB_{148} 10 28.2 347°.37 0°.1/28.1 18

9 28	2 24.81	+13 55.5	4.058	4.925	6.4	20.5
10 8	2 20.70	+13 36.8	3.986	4.924	4.5	20.4
10 18	2 15.83	+13 14.2	3.942	4.923	2.3	20.2
10 28	2 10.58	+12 49.4	3.928	4.921	0.1	20.0
11 7	2 5.35	+12 24.4	3.945	4.920	2.3	20.2
11 17	2 0.54	+12 1.2	3.992	4.919	4.4	20.4
11 27	1 56.50	+11 41.9	4.067	4.918	6.4	20.5
12 7	1 53.52	+11 28.1	4.167	4.917	8.1	20.6

22299 Georgesteiner 10 28.2 82°.13 4°.7/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.66	+24 57.2	1.656	2.502	15.2	17.5
10 8	2 31.35	+25 30.0	1.595	2.508	11.6	17.3
10 18	2 21.67	+25 44.6	1.556	2.515	7.8	17.1
10 28	2 10.68	+25 40.3	1.543	2.522	4.9	17.0
11 7	1 59.73	+25 19.6	1.558	2.529	5.7	17.0
11 17	1 50.15	+24 47.9	1.600	2.536	9.1	17.2
11 27	1 43.00	+24 12.7	1.667	2.543	12.7	17.5
12 7	1 38.83	+23 41.4	1.755	2.550	15.8	17.7

473636 2015 XP_{313} 10 28.2 35°.26 5°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.41	− 0 50.4	2.015	2.903	11.0	20.3
10 8	2 26.42	− 1 24.5	1.966	2.908	8.0	20.2
10 18	2 18.91	− 1 53.5	1.944	2.913	5.5	20.0
10 28	2 10.65	− 2 12.6	1.948	2.919	5.2	20.0
11 7	2 2.54	− 2 18.0	1.981	2.924	7.2	20.1
11 17	1 55.41	− 2 7.6	2.040	2.930	10.1	20.3
11 27	1 49.96	− 1 41.0	2.124	2.936	12.9	20.5
12 7	1 46.60	− 0 59.4	2.228	2.943	15.2	20.7

473071 2015 HZ_{95} 10 28.2 25°.84 3°.4/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.48	+ 7 6.4	1.270	2.173	15.0	20.3
10 8	2 28.52	+ 6 31.7	1.224	2.178	10.5	20.1
10 18	2 20.19	+ 5 54.4	1.201	2.185	5.7	19.9
10 28	2 10.67	+ 5 21.1	1.203	2.192	3.5	19.7
11 7	2 1.39	+ 4 58.3	1.230	2.199	7.3	20.0
11 17	1 53.64	+ 4 50.9	1.282	2.207	11.9	20.3
11 27	1 48.42	+ 5 1.5	1.356	2.216	16.0	20.6
12 7	1 46.20	+ 5 29.9	1.448	2.225	19.4	20.8

192288 1981 EF_{34} 10 28.2 271°.42 1°.7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.01	+19 33.4	1.786	2.653	13.3	20.3
10 8	2 28.05	+19 13.4	1.704	2.637	9.7	20.0
10 18	2 19.99	+18 38.7	1.646	2.622	5.6	19.7
10 28	2 10.69	+17 51.6	1.615	2.606	1.8	19.4
11 7	2 1.28	+16 56.8	1.612	2.591	4.4	19.6
11 17	1 52.90	+16 0.9	1.637	2.575	8.7	19.8
11 27	1 46.52	+15 10.9	1.687	2.559	12.8	20.0
12 7	1 42.76	+14 32.4	1.758	2.543	16.2	20.2

160623 1999 TX_{195} 10 28.2 38°.35 4°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.80	+25 15.3	1.279	2.144	17.6	19.1
10 8	2 28.81	+25 15.0	1.239	2.164	13.2	18.9
10 18	2 20.34	+24 50.9	1.218	2.184	8.6	18.7
10 28	2 10.70	+24 5.1	1.222	2.206	4.9	18.6
11 7	2 1.42	+23 4.4	1.251	2.228	5.8	18.7
11 17	1 53.89	+21 57.8	1.305	2.250	9.7	19.0
11 27	1 49.08	+20 55.2	1.383	2.273	13.8	19.3
12 7	1 47.39	+20 4.2	1.481	2.297	17.2	19.6

261754 2006 BN_{30} 10 28.2 287°.26 1°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.27	+ 9 32.5	2.133	3.017	10.7	20.6
10 8	2 25.75	+ 9 0.0	2.059	3.006	7.4	20.4
10 18	2 18.65	+ 8 22.9	2.011	2.994	3.8	20.2
10 28	2 10.67	+ 7 45.2	1.992	2.983	1.8	20.0
11 7	2 2.67	+ 7 11.5	2.001	2.971	4.8	20.2
11 17	1 55.50	+ 6 45.8	2.039	2.960	8.4	20.4
11 27	1 49.89	+ 6 31.6	2.102	2.948	11.7	20.6
12 7	1 46.34	+ 6 30.6	2.186	2.937	14.5	20.8

164986 2000 AE_{219} 10 28.2 359°.62 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.50	+15 7.1	1.408	2.298	14.7	20.1
10 8	2 27.17	+14 48.1	1.349	2.296	10.3	19.8
10 18	2 19.55	+14 17.4	1.312	2.295	5.4	19.5
10 28	2 10.69	+13 38.9	1.301	2.294	0.3	19.1
11 7	2 1.89	+12 58.8	1.316	2.294	5.1	19.5
11 17	1 54.43	+12 23.6	1.356	2.295	10.0	19.8
11 27	1 49.30	+11 59.4	1.420	2.297	14.4	20.1
12 7	1 47.04	+11 49.8	1.503	2.300	17.9	20.3

144952 2005 EC_{38} 10 28.2 137°.93 0°.8/27.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.98	+14 14.7	1.635	2.515	13.6	20.2
10 8	2 29.19	+13 17.1	1.581	2.525	9.4	19.9
10 18	2 20.43	+12 8.6	1.553	2.535	4.8	19.7
10 28	2 10.71	+10 55.2	1.551	2.544	0.9	19.4
11 7	2 1.21	+ 9 44.2	1.579	2.553	5.1	19.8
11 17	1 53.05	+ 8 42.9	1.634	2.561	9.6	20.0
11 27	1 47.06	+ 7 56.9	1.713	2.569	13.5	20.3
12 7	1 43.70	+ 7 29.0	1.814	2.576	16.6	20.5

206545 2003 UH_{204} 10 28.2 3°.95 1°.4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.85	+11 14.2	1.369	2.267	14.5	20.1
10 8	2 27.40	+10 49.9	1.314	2.266	10.1	19.8
10 18	2 19.66	+10 18.1	1.282	2.266	5.2	19.5
10 28	2 10.69	+ 9 44.0	1.274	2.267	1.5	19.3
11 7	2 1.84	+ 9 13.6	1.293	2.269	5.9	19.6
11 17	1 54.34	+ 8 52.8	1.337	2.271	10.7	19.9
11 27	1 49.21	+ 8 46.0	1.404	2.275	14.9	20.2
12 7	1 46.96	+ 8 55.2	1.490	2.279	18.5	20.4

472089 2013 YP_{143} 10 28.2 294°.48 2°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.69	+ 9 34.4	1.473	2.365	14.0	21.4
10 8	2 29.30	+ 9 5.0	1.413	2.362	9.8	21.2
10 18	2 20.63	+ 8 30.0	1.376	2.360	5.1	20.9
10 28	2 10.72	+ 7 54.6	1.366	2.357	2.2	20.7
11 7	2 0.88	+ 7 24.7	1.383	2.354	6.1	20.9
11 17	1 52.36	+ 7 5.8	1.425	2.352	10.8	21.2
11 27	1 46.16	+ 7 1.8	1.492	2.350	14.9	21.5
12 7	1 42.84	+ 7 14.3	1.577	2.347	18.4	21.7

70120 1999 LL_{34} 10 28.2 126°.48 3°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.44	+ 6 52.5	1.503	2.394	13.9	19.0
10 8	2 30.30	+ 6 7.0	1.455	2.404	9.6	18.8
10 18	2 21.03	+ 5 19.1	1.432	2.413	5.3	18.5
10 28	2 10.74	+ 4 35.0	1.435	2.422	3.5	18.4
11 7	2 0.70	+ 4 1.1	1.466	2.431	6.9	18.7
11 17	1 52.08	+ 3 42.2	1.523	2.439	11.1	18.9
11 27	1 45.81	+ 3 41.0	1.604	2.447	14.9	19.2
12 7	1 42.31	+ 3 57.6	1.704	2.454	18.0	19.4

350521 2000 DY_{34} 10 28.2 230°.53 4°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.41	+28 33.0	2.292	3.108	12.5	21.4
10 8	2 29.51	+28 49.3	2.204	3.097	9.9	21.2
10 18	2 20.69	+28 48.9	2.140	3.085	7.1	21.0
10 28	2 10.74	+28 31.0	2.104	3.073	4.9	20.9
11 7	2 0.65	+27 57.4	2.096	3.061	5.2	20.9
11 17	1 51.46	+27 12.3	2.118	3.048	7.6	21.0
11 27	1 44.05	+26 22.1	2.166	3.034	10.5	21.2
12 7	1 39.01	+25 33.3	2.238	3.020	13.2	21.3

517544 2014 SG_{285} 10 28.2 17°.65 3°.8/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.06	+ 9 5.6	1.777	2.674	11.8	20.1
10 8	2 23.56	+ 6 39.6	1.727	2.679	8.1	19.9
10 18	2 17.50	+ 4 6.8	1.704	2.686	4.6	19.7
10 28	2 10.68	+ 1 37.9	1.712	2.693	4.2	19.7
11 7	2 4.04	− 0 36.1	1.748	2.700	7.3	19.9
11 17	1 58.44	− 2 27.0	1.813	2.708	10.8	20.1
11 27	1 54.56	− 3 50.0	1.901	2.717	14.0	20.4
12 7	1 52.79	− 4 44.6	2.010	2.727	16.6	20.6

224753 2006 DP_{137} 10 28.2 354°.29 3°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.14	+ 5 12.2	1.767	2.664	11.8	19.3
10 8	2 25.12	+ 4 25.5	1.709	2.660	8.3	19.1
10 18	2 18.36	+ 3 37.9	1.677	2.657	4.8	18.9
10 28	2 10.70	+ 2 55.0	1.671	2.655	3.8	18.8
11 7	2 3.11	+ 2 22.6	1.693	2.653	6.6	19.0
11 17	1 56.53	+ 2 4.8	1.741	2.652	10.2	19.2
11 27	1 51.76	+ 2 4.1	1.812	2.652	13.6	19.4
12 7	1 49.24	+ 2 20.6	1.903	2.652	16.4	19.6

328511 2009 QF_{11} 10 28.2 28°.40 4°.0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.75	+ 7 32.2	1.036	1.950	16.6	19.9
10 8	2 27.53	+ 6 33.1	1.003	1.961	11.5	19.7
10 18	2 19.73	+ 5 30.5	0.990	1.974	6.3	19.4
10 28	2 10.72	+ 4 33.9	1.000	1.988	4.3	19.4
11 7	2 2.11	+ 3 52.4	1.034	2.002	8.3	19.7
11 17	1 55.29	+ 3 31.8	1.090	2.018	13.2	20.0
11 27	1 51.26	+ 3 34.9	1.167	2.035	17.5	20.3
12 7	1 50.40	+ 4 0.3	1.261	2.052	21.0	20.6

388573 2007 RB_{36} 10 28.2 72°.86 5°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.22	+28 21.9	1.671	2.502	15.7	20.5
10 8	2 31.64	+28 52.6	1.622	2.522	12.3	20.3
10 18	2 21.78	+29 1.8	1.594	2.543	8.7	20.1
10 28	2 10.77	+28 48.6	1.592	2.563	6.0	20.0
11 7	1 59.99	+28 16.2	1.617	2.583	6.3	20.1
11 17	1 50.71	+27 31.0	1.670	2.603	9.0	20.3
11 27	1 43.92	+26 41.5	1.747	2.623	12.2	20.5
12 7	1 40.09	+25 55.3	1.847	2.643	15.1	20.8

410932 2009 SH_{263} 10 28.2 39°.43 0°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.73	+14 34.9	2.037	2.910	11.6	20.7
10 8	2 27.48	+14 34.4	1.975	2.914	8.1	20.5
10 18	2 19.55	+14 26.5	1.938	2.918	4.3	20.2
10 28	2 10.74	+14 13.1	1.929	2.923	0.4	19.9
11 7	2 1.99	+13 57.7	1.950	2.927	3.9	20.2
11 17	1 54.22	+13 44.0	1.998	2.932	7.7	20.5
11 27	1 48.20	+13 35.8	2.073	2.937	11.1	20.7
12 7	1 44.40	+13 35.8	2.171	2.941	13.9	20.9

167147 2003 SZ_{207} 10 28.2 341°.75 0°.9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.06	+11 58.4	1.164	2.070	15.8	19.2
10 8	2 26.67	+11 52.0	1.097	2.052	11.2	18.9
10 18	2 19.55	+11 36.6	1.050	2.036	5.8	18.5
10 28	2 10.74	+11 16.8	1.028	2.021	0.9	18.1
11 7	2 1.77	+10 58.4	1.029	2.008	6.2	18.5
11 17	1 54.16	+10 47.7	1.054	1.996	11.8	18.7
11 27	1 49.22	+10 50.4	1.099	1.986	16.8	19.0
12 7	1 47.64	+11 9.4	1.163	1.978	21.0	19.2

163233 2002 EA_{139} 10 28.2 98°.86 4°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.17	+ 3 50.0	1.717	2.611	12.3	20.3
10 8	2 27.11	+ 2 33.3	1.675	2.623	8.6	20.1
10 18	2 19.32	+ 1 17.2	1.659	2.635	5.4	19.9
10 28	2 10.74	+ 0 9.3	1.670	2.647	4.8	19.9
11 7	2 2.40	− 0 43.9	1.708	2.659	7.5	20.1
11 17	1 55.26	− 1 17.9	1.773	2.671	10.9	20.4
11 27	1 50.05	− 1 30.7	1.861	2.682	14.1	20.6
12 7	1 47.17	− 1 23.2	1.969	2.693	16.7	20.8

86655 2000 ET_{183} 10 28.2 181°.58 0°.5/28.5 18

9 28	2 37.61	+15 17.8	1.695	2.569	13.5	20.3
10 8	2 30.48	+15 10.5	1.630	2.570	9.6	20.0
10 18	2 21.22	+14 53.1	1.590	2.570	5.1	19.8
10 28	2 10.78	+14 28.3	1.576	2.570	0.5	19.4
11 7	2 0.40	+14 0.3	1.592	2.569	4.6	19.8
11 17	1 51.24	+13 34.5	1.635	2.569	9.1	20.0
11 27	1 44.27	+13 16.1	1.703	2.568	13.1	20.3
12 7	1 40.02	+13 8.6	1.793	2.566	16.3	20.5

278256 2007 EB_{212} 10 28.2 276°.14 0°.7/27.7 18

9 28	2 34.40	+13 48.0	1.576	2.461	13.7	21.6
10 8	2 28.51	+13 7.6	1.497	2.443	9.7	21.3
10 18	2 20.32	+12 15.5	1.442	2.425	5.0	21.0
10 28	2 10.77	+11 16.4	1.413	2.406	0.8	20.7
11 7	2 1.08	+10 17.2	1.412	2.388	5.4	21.0
11 17	1 52.50	+ 9 25.1	1.438	2.369	10.3	21.2
11 27	1 46.10	+ 8 46.7	1.487	2.350	14.7	21.4
12 7	1 42.52	+ 8 26.0	1.557	2.331	18.4	21.6

192183 2007 FG_{12} 10 28.2 87°.66 5°.7/23.9 18

9 28	2 33.71	+ 1 38.5	1.540	2.438	13.2	19.5
10 8	2 27.65	+ 0 19.7	1.499	2.446	9.5	19.3
10 18	2 19.66	− 0 56.1	1.482	2.455	6.4	19.2
10 28	2 10.76	− 2 0.5	1.491	2.464	6.0	19.2
11 7	2 2.11	− 2 46.4	1.527	2.472	8.7	19.4
11 17	1 54.76	− 3 9.6	1.587	2.481	12.3	19.6
11 27	1 49.53	− 3 8.9	1.670	2.489	15.5	19.8
12 7	1 46.84	− 2 46.1	1.772	2.498	18.2	20.1

77560 Furusato 10 28.2 179°.55 0°.8/27.5 16

9 28	2 35.73	+13 31.0	1.869	2.745	12.3	20.7
10 8	2 28.96	+12 44.9	1.805	2.747	8.6	20.5
10 18	2 20.35	+11 49.6	1.766	2.748	4.4	20.2
10 28	2 10.78	+10 49.7	1.756	2.749	0.8	20.0
11 7	2 1.31	+ 9 51.3	1.775	2.749	4.8	20.2
11 17	1 52.96	+ 9 0.3	1.822	2.748	8.9	20.5
11 27	1 46.54	+ 8 21.8	1.895	2.746	12.6	20.7
12 7	1 42.54	+ 7 58.5	1.989	2.744	15.6	20.9

189923 2003 SD_{169} 10 28.2 42°.44 3°.1/25.6 18

9 28	2 30.85	+ 5 50.6	1.937	2.829	11.2	19.4
10 8	2 25.41	+ 5 4.5	1.891	2.840	7.8	19.2
10 18	2 18.44	+ 4 17.5	1.870	2.850	4.4	19.0
10 28	2 10.74	+ 3 34.9	1.876	2.861	3.3	19.0
11 7	2 3.22	+ 3 1.4	1.911	2.872	5.9	19.2
11 17	1 56.69	+ 2 40.9	1.973	2.883	9.3	19.4
11 27	1 51.86	+ 2 35.6	2.059	2.895	12.3	19.6
12 7	1 49.10	+ 2 45.8	2.166	2.906	14.9	19.8

396613 2001 SV_{103} 10 28.2 13°.99 1°.6/26.9 17

9 28	2 30.03	+12 11.8	1.424	2.323	14.0	20.6
10 8	2 25.31	+11 15.9	1.374	2.327	9.7	20.4
10 18	2 18.55	+10 10.7	1.347	2.332	4.9	20.1
10 28	2 10.75	+ 9 3.1	1.345	2.338	1.7	19.9
11 7	2 3.12	+ 8 1.0	1.370	2.344	5.8	20.2
11 17	1 56.78	+ 7 11.5	1.420	2.352	10.4	20.5
11 27	1 52.61	+ 6 39.6	1.494	2.360	14.4	20.8
12 7	1 51.06	+ 6 27.4	1.586	2.369	17.7	21.0

399087 2014 DE_{20} 10 28.2 279°.85 2°.5/26.3 18

9 28	2 32.93	+ 9 17.3	1.665	2.556	12.7	21.1
10 8	2 27.18	+ 8 23.9	1.603	2.553	8.8	20.9
10 18	2 19.50	+ 7 24.6	1.566	2.549	4.7	20.6
10 28	2 10.78	+ 6 25.5	1.556	2.546	2.6	20.5
11 7	2 2.13	+ 5 33.3	1.574	2.542	6.1	20.7
11 17	1 54.60	+ 4 53.9	1.619	2.539	10.2	20.9
11 27	1 49.08	+ 4 31.5	1.687	2.536	14.0	21.2
12 7	1 46.06	+ 4 27.5	1.775	2.532	17.1	21.4

146016 2000 CS_{115} 10 28.2 212°.85 0°.7/28.7 18

9 28	2 35.75	+17 11.5	1.813	2.682	13.0	20.9
10 8	2 29.15	+16 40.6	1.740	2.677	9.2	20.7
10 18	2 20.53	+15 57.1	1.691	2.670	5.0	20.4
10 28	2 10.80	+15 4.1	1.671	2.664	0.7	20.1
11 7	2 1.08	+14 7.3	1.679	2.656	4.4	20.3
11 17	1 52.45	+13 13.0	1.715	2.649	8.8	20.6
11 27	1 45.84	+12 27.6	1.777	2.640	12.7	20.8
12 7	1 41.78	+11 55.4	1.861	2.632	15.9	21.0

412954 2014 QH_{259} 10 28.2 195°.27 3°.6/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.55	+ 1 55.0	2.393	3.276	9.7	21.1
10 8	2 26.43	+ 1 27.7	2.333	3.275	6.9	20.9
10 18	2 18.95	+ 1 2.5	2.300	3.274	4.4	20.8
10 28	2 10.77	+ 0 43.3	2.296	3.273	3.7	20.7
11 7	2 2.66	+ 0 33.5	2.321	3.272	5.8	20.9
11 17	1 55.36	+ 0 35.3	2.374	3.270	8.6	21.0
11 27	1 49.49	+ 0 50.1	2.452	3.269	11.2	21.2
12 7	1 45.47	+ 1 17.7	2.553	3.267	13.5	21.4

97552 2000 DQ_{63} 10 28.2 127°.72 3°.9/ 1.0 18

9 28	2 33.09	+27 18.1	2.453	3.276	11.6	19.3
10 8	2 26.97	+27 26.1	2.381	3.280	9.0	19.2
10 18	2 19.30	+27 19.3	2.333	3.283	6.2	19.0
10 28	2 10.78	+26 57.7	2.313	3.287	4.2	18.9
11 7	2 2.29	+26 23.9	2.322	3.290	4.4	18.9
11 17	1 54.66	+25 41.9	2.360	3.293	6.7	19.1
11 27	1 48.62	+24 57.2	2.425	3.296	9.4	19.2
12 7	1 44.63	+24 14.8	2.514	3.299	11.9	19.4

394222 2006 SQ_{309} 10 28.2 67°.88 0°.7/28.8 18

9 28	2 32.89	+17 22.1	1.793	2.666	12.9	21.2
10 8	2 27.02	+16 50.1	1.737	2.676	9.1	20.9
10 18	2 19.35	+16 6.0	1.705	2.685	4.9	20.7
10 28	2 10.79	+15 13.7	1.701	2.694	0.8	20.4
11 7	2 2.39	+14 18.9	1.725	2.704	4.2	20.7
11 17	1 55.15	+13 27.5	1.777	2.714	8.3	21.0
11 27	1 49.84	+12 45.2	1.855	2.723	12.0	21.2
12 7	1 46.91	+12 15.9	1.954	2.733	15.0	21.5

32619 2001 QC_{295} 10 28.2 63°.48 4°.4/25.3 18

9 28	2 35.07	+ 5 11.5	1.378	2.277	14.3	18.2
10 8	2 28.66	+ 4 10.5	1.344	2.295	10.0	18.0
10 18	2 20.19	+ 3 9.5	1.333	2.313	5.8	17.8
10 28	2 10.80	+ 2 16.4	1.348	2.331	4.6	17.8
11 7	2 1.80	+ 1 38.1	1.389	2.350	7.8	18.0
11 17	1 54.32	+ 1 19.1	1.456	2.368	11.8	18.3
11 27	1 49.19	+ 1 21.0	1.545	2.386	15.4	18.6
12 7	1 46.80	+ 1 42.7	1.652	2.405	18.3	18.8

207139 2005 BL_{20} 10 28.2 325°.78 10°.4/20.6 18

9 28	2 33.74	−11 30.0	1.555	2.437	14.1	19.7
10 8	2 27.81	−12 45.0	1.511	2.430	11.7	19.5
10 18	2 19.83	−13 43.5	1.489	2.423	10.5	19.5
10 28	2 10.80	−14 16.7	1.491	2.417	10.9	19.5
11 7	2 1.91	−14 19.1	1.517	2.411	12.8	19.6
11 17	1 54.27	−13 49.4	1.565	2.405	15.4	19.7
11 27	1 48.77	−12 50.1	1.632	2.400	18.0	19.9
12 7	1 45.91	−11 26.6	1.716	2.395	20.3	20.1

397623 2007 VQ_{323} 10 28.2 257°.54 3°.7/25.8 18

9 28	2 36.30	+ 3 24.3	1.826	2.712	12.1	20.4
10 8	2 29.40	+ 3 7.6	1.763	2.708	8.5	20.2
10 18	2 20.62	+ 2 52.7	1.727	2.704	5.1	20.0
10 28	2 10.82	+ 2 43.7	1.717	2.701	3.8	19.9
11 7	2 1.07	+ 2 44.7	1.737	2.697	6.5	20.0
11 17	1 52.41	+ 2 58.2	1.784	2.693	10.2	20.3
11 27	1 45.69	+ 3 25.6	1.855	2.689	13.5	20.5
12 7	1 41.41	+ 4 6.7	1.947	2.685	16.4	20.7

469861 2005 UW_{23} 10 28.2 23°.12 0°.8/28.7 18

9 28	2 30.79	+17 44.6	0.968	1.873	18.4	20.1
10 8	2 26.40	+17 4.9	0.932	1.886	13.0	19.9
10 18	2 19.26	+16 6.1	0.916	1.900	6.9	19.6
10 28	2 10.80	+14 55.3	0.922	1.916	1.0	19.3
11 7	2 2.73	+13 43.3	0.952	1.933	5.9	19.7
11 17	1 56.55	+12 40.6	1.004	1.952	11.5	20.1
11 27	1 53.28	+11 55.6	1.077	1.972	16.4	20.4
12 7	1 53.29	+11 32.0	1.168	1.993	20.3	20.7

511175 2013 YO_{73} 10 28.2 265°.57 2°.6/30.0 18

9 28	2 36.15	+21 9.0	1.708	2.568	14.1	21.6
10 8	2 29.74	+21 5.0	1.624	2.552	10.4	21.4
10 18	2 21.00	+20 45.1	1.563	2.535	6.3	21.1
10 28	2 10.84	+20 10.4	1.529	2.518	2.8	20.8
11 7	2 0.50	+19 24.7	1.523	2.501	4.7	20.9
11 17	1 51.24	+18 34.4	1.545	2.484	9.1	21.1
11 27	1 44.15	+17 47.1	1.591	2.466	13.2	21.3
12 7	1 39.91	+17 9.3	1.659	2.448	16.8	21.5

32567 2001 QQ_{70} 10 28.2 310°.42 4°.9/31.8 18

9 28	2 34.40	+26 43.0	1.788	2.629	14.4	17.3
10 8	2 28.49	+27 1.5	1.708	2.617	11.2	17.0
10 18	2 20.34	+27 1.2	1.651	2.606	7.8	16.8
10 28	2 10.84	+26 41.5	1.619	2.595	5.2	16.6
11 7	2 1.19	+26 4.9	1.614	2.584	5.6	16.7
11 17	1 52.62	+25 16.8	1.636	2.573	8.8	16.8
11 27	1 46.18	+24 25.0	1.683	2.563	12.3	17.0
12 7	1 42.51	+23 37.0	1.752	2.553	15.6	17.2

358905 2008 GW_{93} 10 28.2 169°.79 1°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.28	+11 16.7	2.180	3.059	10.7	21.6
10 8	2 26.38	+10 40.7	2.117	3.061	7.4	21.4
10 18	2 18.99	+ 9 59.1	2.080	3.062	3.8	21.2
10 28	2 10.81	+ 9 15.7	2.071	3.063	1.2	21.0
11 7	2 2.71	+ 8 35.2	2.093	3.064	4.4	21.2
11 17	1 55.51	+ 8 1.7	2.142	3.065	7.9	21.4
11 27	1 49.88	+ 7 38.9	2.218	3.066	11.1	21.7
12 7	1 46.27	+ 7 28.7	2.316	3.066	13.8	21.8

372814 2010 TW_{124} 10 28.2 257°.93 4°.4/25.3 17

9 28	2 34.86	+ 6 22.2	1.327	2.228	14.7	21.2
10 8	2 28.84	+ 5 10.3	1.274	2.226	10.3	20.9
10 18	2 20.47	+ 3 54.5	1.243	2.225	5.9	20.7
10 28	2 10.84	+ 2 43.8	1.239	2.223	4.6	20.6
11 7	2 1.35	+ 1 47.3	1.260	2.222	8.2	20.8
11 17	1 53.29	+ 1 11.4	1.306	2.220	12.7	21.1
11 27	1 47.70	+ 0 59.7	1.374	2.219	16.8	21.3
12 7	1 45.07	+ 1 11.7	1.459	2.217	20.2	21.6

139775 2001 QG_{298} 10 28.2 14°.76 0°.2/26.4 15 R

9 28	2 13.45	+ 7 56.7	31.240	32.118	0.9	21.9
10 8	2 12.59	+ 7 51.2	31.176	32.120	0.6	21.9
10 18	2 11.66	+ 7 45.6	31.140	32.122	0.3	21.9
10 28	2 10.69	+ 7 40.1	31.135	32.124	0.2	21.9
11 7	2 9.73	+ 7 34.9	31.160	32.126	0.4	21.9
11 17	2 8.80	+ 7 30.3	31.214	32.128	0.7	21.9
11 27	2 7.94	+ 7 26.3	31.297	32.130	1.0	22.0
12 7	2 7.21	+ 7 23.2	31.406	32.132	1.2	22.0

453520 2009 UO_{153} 10 28.2 128°.14 0°.4/28.5 18

9 28	2 33.69	+14 50.5	2.473	3.338	10.1	21.0
10 8	2 27.24	+14 48.5	2.410	3.346	7.1	20.9
10 18	2 19.40	+14 39.9	2.374	3.353	3.7	20.7
10 28	2 10.85	+14 26.5	2.366	3.360	0.4	20.4
11 7	2 2.36	+14 11.2	2.390	3.367	3.4	20.7
11 17	1 54.70	+13 57.0	2.442	3.373	6.7	20.9
11 27	1 48.51	+13 47.1	2.523	3.379	9.6	21.1
12 7	1 44.22	+13 44.1	2.626	3.386	12.1	21.3

256853 2008 CA_{196} 10 28.2 163°.35 2°.2/30.1 18

9 28	2 34.20	+21 11.9	2.230	3.080	11.6	21.3
10 8	2 27.81	+21 9.4	2.160	3.083	8.5	21.1
10 18	2 19.78	+20 54.6	2.116	3.085	5.2	20.9
10 28	2 10.87	+20 29.0	2.099	3.087	2.4	20.7
11 7	2 1.99	+19 55.6	2.112	3.089	3.8	20.8
11 17	1 54.04	+19 19.0	2.155	3.091	7.1	21.0
11 27	1 47.77	+18 44.1	2.224	3.092	10.2	21.2
12 7	1 43.65	+18 15.4	2.316	3.093	13.0	21.4

408022 2012 FG_{8} 10 28.2 350°.28 6°.6/ 2.2 17

9 28	2 36.57	+31 41.8	2.000	2.808	14.4	20.9
10 8	2 29.91	+32 27.0	1.926	2.806	11.7	20.7
10 18	2 21.06	+32 52.5	1.875	2.805	8.9	20.5
10 28	2 10.90	+32 56.1	1.849	2.803	6.9	20.4
11 7	2 0.63	+32 38.6	1.849	2.802	6.9	20.4
11 17	1 51.43	+32 4.4	1.877	2.802	8.8	20.5
11 27	1 44.33	+31 20.3	1.931	2.801	11.5	20.7
12 7	1 39.95	+30 34.2	2.007	2.801	14.1	20.9

46799 1998 KY_{8} 10 28.2 129°.31 4°.3/24.9 18

9 28	2 35.96	+ 4 42.9	1.661	2.552	12.8	18.4
10 8	2 29.12	+ 3 30.1	1.618	2.565	9.0	18.2
10 18	2 20.43	+ 2 16.9	1.600	2.577	5.4	18.0
10 28	2 10.89	+ 1 10.9	1.609	2.589	4.5	18.0
11 7	2 1.61	+ 0 18.8	1.647	2.601	7.4	18.2
11 17	1 53.63	− 0 14.6	1.711	2.612	11.1	18.4
11 27	1 47.74	− 0 27.2	1.798	2.622	14.4	18.7
12 7	1 44.34	− 0 19.5	1.905	2.632	17.1	18.9

117894 2791 P–L 10 28.2 25°.96 3°.0/29.5 18

9 28	2 40.06	+17 27.5	1.194	2.077	17.3	18.3
10 8	2 32.81	+18 25.6	1.147	2.088	12.5	18.0
10 18	2 22.65	+19 10.7	1.122	2.099	7.3	17.8
10 28	2 10.93	+19 41.4	1.121	2.111	3.1	17.6
11 7	1 59.39	+19 59.6	1.146	2.124	5.7	17.8
11 17	1 49.66	+20 9.7	1.196	2.139	10.7	18.1
11 27	1 42.96	+20 18.3	1.268	2.154	15.1	18.4
12 7	1 39.84	+20 30.9	1.360	2.170	18.8	18.7

177208 2003 UK_{109} 10 28.2 157°.93 1°.2/28.9 17

9 28	2 39.49	+16 40.5	1.536	2.409	14.7	20.7
10 8	2 32.00	+16 43.7	1.475	2.412	10.5	20.4
10 18	2 22.12	+16 35.0	1.437	2.416	5.8	20.2
10 28	2 10.93	+16 16.2	1.426	2.418	1.3	19.9
11 7	1 59.81	+15 51.8	1.442	2.421	4.8	20.1
11 17	1 50.09	+15 27.3	1.486	2.423	9.6	20.4
11 27	1 42.84	+15 8.7	1.555	2.425	13.8	20.7
12 7	1 38.60	+15 0.5	1.644	2.426	17.2	20.9

274253 2008 OD_{20} 10 28.2 92°.38 1°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.54	+19 39.3	2.386	3.242	10.8	21.1
10 8	2 26.47	+19 26.4	2.330	3.257	7.8	21.0
10 18	2 19.00	+19 3.2	2.299	3.272	4.5	20.8
10 28	2 10.86	+18 31.6	2.297	3.288	1.6	20.6
11 7	2 2.86	+17 55.0	2.325	3.302	3.3	20.8
11 17	1 55.75	+17 17.6	2.382	3.317	6.5	21.0
11 27	1 50.18	+16 43.8	2.466	3.332	9.5	21.2
12 7	1 46.53	+16 17.2	2.574	3.346	12.0	21.4

260900 2005 QC_{182} 10 28.2 348°.85 1°.8/26.9 18

9 28	2 31.53	+10 5.2	1.640	2.533	12.8	20.4
10 8	2 26.29	+ 9 32.7	1.578	2.528	8.9	20.2
10 18	2 19.11	+ 8 54.5	1.540	2.524	4.6	19.9
10 28	2 10.86	+ 8 15.4	1.529	2.520	1.9	19.8
11 7	2 2.67	+ 7 41.1	1.544	2.517	5.6	20.0
11 17	1 55.57	+ 7 16.8	1.587	2.514	9.8	20.2
11 27	1 50.45	+ 7 6.4	1.653	2.512	13.6	20.5
12 7	1 47.82	+ 7 11.6	1.739	2.511	16.8	20.7

218157 2002 RS_{150} 10 28.2 5°.96 3°.2/30.4 18

9 28	2 32.17	+22 49.5	1.145	2.027	17.9	19.6
10 8	2 27.43	+22 24.3	1.089	2.027	13.3	19.3
10 18	2 19.91	+21 34.3	1.053	2.028	8.1	19.0
10 28	2 10.89	+20 23.1	1.040	2.029	3.6	18.8
11 7	2 1.99	+18 59.2	1.051	2.032	5.6	18.9
11 17	1 54.75	+17 34.1	1.087	2.035	10.8	19.2
11 27	1 50.34	+16 19.2	1.144	2.040	15.6	19.5
12 7	1 49.28	+15 22.4	1.221	2.045	19.7	19.8

259231 2003 BM_{38} 10 28.2 247°.49 1°.9/29.9 18

9 28	2 33.01	+20 48.5	2.111	2.967	11.9	21.0
10 8	2 27.12	+20 31.0	2.032	2.959	8.7	20.8
10 18	2 19.49	+20 0.1	1.978	2.951	5.2	20.6
10 28	2 10.89	+19 17.8	1.952	2.942	2.1	20.3
11 7	2 2.26	+18 28.0	1.955	2.933	3.8	20.4
11 17	1 54.54	+17 36.2	1.987	2.924	7.5	20.7
11 27	1 48.53	+16 48.2	2.045	2.915	10.9	20.9
12 7	1 44.75	+16 8.8	2.126	2.906	13.9	21.0

31067 1996 TF_{50} 10 28.2 232°.19 1°.4/29.4 18

9 28	2 32.75	+19 15.8	2.012	2.876	12.1	19.1
10 8	2 26.93	+18 53.1	1.942	2.874	8.7	18.9
10 18	2 19.38	+18 17.7	1.896	2.871	5.0	18.7
10 28	2 10.89	+17 32.2	1.877	2.869	1.5	18.5
11 7	2 2.43	+16 41.3	1.888	2.867	3.9	18.6
11 17	1 54.95	+15 50.3	1.927	2.864	7.7	18.9
11 27	1 49.23	+15 5.2	1.992	2.862	11.2	19.1
12 7	1 45.77	+14 30.3	2.080	2.859	14.2	19.3

362940 2012 XH_{50} 10 28.2 309°.03 2°.3/30.1 18

9 28	2 32.85	+22 13.2	1.654	2.518	14.3	20.0
10 8	2 27.32	+21 38.3	1.584	2.514	10.5	19.8
10 18	2 19.68	+20 44.7	1.537	2.510	6.3	19.5
10 28	2 10.90	+19 35.4	1.516	2.506	2.6	19.3
11 7	2 2.17	+18 16.8	1.523	2.502	4.5	19.4
11 17	1 54.62	+16 57.1	1.557	2.499	8.8	19.6
11 27	1 49.21	+15 44.9	1.617	2.495	12.8	19.9
12 7	1 46.47	+14 46.5	1.697	2.492	16.3	20.1

328550 2009 RC_{57} 10 28.2 344°.99 1°.5/26.9 18

9 28	2 32.02	+ 9 42.7	2.088	2.972	10.9	20.6
10 8	2 26.31	+ 9 20.3	2.025	2.970	7.5	20.4
10 18	2 19.02	+ 8 53.9	1.986	2.969	3.9	20.2
10 28	2 10.89	+ 8 27.0	1.976	2.967	1.6	20.0
11 7	2 2.81	+ 8 3.7	1.995	2.966	4.6	20.3
11 17	1 55.63	+ 7 47.6	2.042	2.965	8.2	20.5
11 27	1 50.06	+ 7 41.8	2.114	2.964	11.5	20.7
12 7	1 46.57	+ 7 47.9	2.208	2.963	14.2	20.9

220376 2003 OX_{32} 10 28.2 9°.74 2°.5/25.9 18

9 28	2 28.40	+10 10.8	1.692	2.588	12.3	18.8
10 8	2 23.99	+ 8 53.4	1.638	2.591	8.4	18.6
10 18	2 17.86	+ 7 29.2	1.610	2.594	4.4	18.4
10 28	2 10.86	+ 6 5.5	1.608	2.597	2.7	18.3
11 7	2 4.00	+ 4 50.0	1.634	2.602	6.0	18.5
11 17	1 58.20	+ 3 49.4	1.687	2.607	9.9	18.8
11 27	1 54.21	+ 3 7.9	1.763	2.613	13.4	19.0
12 7	1 52.46	+ 2 47.1	1.860	2.619	16.3	19.2

442950 2013 CM_{103} 10 28.2 300°.72 7°.0/22.4 18

9 28	2 32.37	− 4 13.4	1.797	2.686	12.0	20.9
10 8	2 26.68	− 5 23.4	1.746	2.682	9.2	20.8
10 18	2 19.24	− 6 25.8	1.719	2.678	7.3	20.6
10 28	2 10.90	− 7 13.2	1.719	2.674	7.4	20.6
11 7	2 2.65	− 7 39.9	1.746	2.669	9.6	20.8
11 17	1 55.45	− 7 43.0	1.797	2.665	12.4	20.9
11 27	1 50.09	− 7 22.4	1.870	2.661	15.2	21.1
12 7	1 47.01	− 6 40.5	1.962	2.658	17.6	21.3

404823 2014 JE_{73} 10 28.2 120°.11 4°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.99	+ 0 4.0	2.111	2.991	10.9	20.6
10 8	2 28.88	− 0 20.7	2.063	3.002	7.9	20.4
10 18	2 20.26	− 0 41.0	2.042	3.013	5.2	20.3
10 28	2 10.93	− 0 52.9	2.050	3.024	4.6	20.3
11 7	2 1.78	− 0 52.9	2.087	3.034	6.6	20.4
11 17	1 53.67	− 0 39.3	2.152	3.044	9.5	20.6
11 27	1 47.27	− 0 11.5	2.242	3.054	12.3	20.8
12 7	1 43.00	+ 0 29.4	2.353	3.063	14.6	21.0

517117 2013 GV_{90} 10 28.2 110°.26 1°.9/26.1 18

9 28	2 29.94	+10 59.1	2.215	3.098	10.4	21.4
10 8	2 24.71	+ 9 36.4	2.158	3.104	7.1	21.3
10 18	2 18.13	+ 8 7.6	2.128	3.111	3.7	21.1
10 28	2 10.88	+ 6 38.3	2.128	3.117	2.1	21.0
11 7	2 3.77	+ 5 15.2	2.158	3.124	4.9	21.2
11 17	1 57.54	+ 4 3.7	2.217	3.130	8.2	21.4
11 27	1 52.80	+ 3 8.1	2.301	3.136	11.2	21.6
12 7	1 49.93	+ 2 30.1	2.408	3.142	13.7	21.8

51101 2000 HY_{10} 10 28.2 261°.77 0°.3/27.9 17

9 28	2 30.62	+13 47.6	2.499	3.372	9.7	19.9
10 8	2 25.22	+13 18.5	2.419	3.359	6.8	19.7
10 18	2 18.44	+12 42.6	2.365	3.347	3.5	19.4
10 28	2 10.89	+12 2.6	2.341	3.334	0.3	19.1
11 7	2 3.32	+11 22.3	2.346	3.321	3.6	19.4
11 17	1 56.44	+10 45.7	2.380	3.308	7.0	19.6
11 27	1 50.91	+10 16.7	2.442	3.295	10.0	19.8
12 7	1 47.17	+ 9 57.9	2.526	3.282	12.6	19.9

328805 2009 VJ_{45} 10 28.2 9°.78 0°.6/28.7 18

9 28	2 33.39	+15 23.5	2.084	2.955	11.4	20.5
10 8	2 27.31	+15 25.8	2.018	2.956	8.1	20.2
10 18	2 19.57	+15 20.1	1.978	2.957	4.3	20.0
10 28	2 10.92	+15 8.4	1.965	2.958	0.7	19.7
11 7	2 2.30	+14 53.8	1.982	2.960	3.8	20.0
11 17	1 54.61	+14 39.9	2.027	2.961	7.5	20.2
11 27	1 48.62	+14 30.6	2.098	2.963	10.9	20.5
12 7	1 44.81	+14 29.0	2.192	2.965	13.7	20.7

333761 2011 BV_{99} 10 28.2 119°.72 4°.1/31.3 18

9 28	2 37.13	+25 25.3	1.614	2.462	15.4	21.0
10 8	2 30.32	+25 18.6	1.553	2.470	11.7	20.8
10 18	2 21.23	+24 51.2	1.515	2.478	7.6	20.6
10 28	2 10.96	+24 4.4	1.503	2.485	4.4	20.4
11 7	2 0.83	+23 3.1	1.518	2.493	5.2	20.5
11 17	1 52.11	+21 55.1	1.560	2.500	8.9	20.8
11 27	1 45.79	+20 49.2	1.628	2.507	12.7	21.0
12 7	1 42.36	+19 53.0	1.717	2.514	16.0	21.2

347817 2002 NQ_{80} 10 28.2 193°.22 4°.8/ 2.1 18

9 28	2 35.57	+31 12.7	2.432	3.232	12.3	21.3
10 8	2 28.80	+31 5.1	2.350	3.230	9.8	21.1
10 18	2 20.34	+30 38.7	2.291	3.228	7.2	21.0
10 28	2 10.95	+29 53.6	2.260	3.224	5.1	20.8
11 7	2 1.58	+28 52.7	2.258	3.220	5.1	20.8
11 17	1 53.15	+27 41.1	2.286	3.215	7.1	21.0
11 27	1 46.45	+26 25.6	2.341	3.210	9.8	21.1
12 7	1 41.97	+25 13.1	2.421	3.204	12.3	21.3

259381 2003 HL_{53} 10 28.2 74°.84 5°.9/23.5 18

9 28	2 33.43	− 3 25.1	2.026	2.910	11.1	19.8
10 8	2 27.07	− 4 15.7	1.996	2.931	8.3	19.7
10 18	2 19.30	− 4 58.8	1.992	2.953	6.2	19.6
10 28	2 10.92	− 5 28.8	2.015	2.974	6.1	19.7
11 7	2 2.84	− 5 42.0	2.066	2.995	8.0	19.8
11 17	1 55.82	− 5 36.9	2.143	3.016	10.5	20.0
11 27	1 50.50	− 5 13.6	2.244	3.037	12.9	20.2
12 7	1 47.23	− 4 34.2	2.365	3.057	15.0	20.4

160602 1999 RX_{252} 10 28.2 83°.43 5°.3/ 1.4 18

9 28	2 38.34	+28 40.5	1.728	2.557	15.4	19.9
10 8	2 31.00	+28 52.1	1.677	2.578	12.0	19.7
10 18	2 21.51	+28 42.0	1.649	2.599	8.4	19.5
10 28	2 10.97	+28 10.4	1.647	2.619	5.7	19.4
11 7	2 0.70	+27 21.2	1.672	2.640	5.9	19.5
11 17	1 51.89	+26 21.5	1.725	2.660	8.6	19.7
11 27	1 45.45	+25 19.6	1.803	2.680	11.8	19.9
12 7	1 41.82	+24 23.3	1.904	2.699	14.7	20.2

382048 2011 DX_{11} 10 28.2 177°.49 0°.7/28.7 18

9 28	2 36.49	+16 46.7	1.890	2.758	12.6	22.0
10 8	2 29.59	+16 24.0	1.824	2.760	9.0	21.8
10 18	2 20.78	+15 50.2	1.782	2.761	4.8	21.6
10 28	2 10.96	+15 8.2	1.769	2.762	0.7	21.3
11 7	2 1.22	+14 22.7	1.784	2.762	4.2	21.5
11 17	1 52.58	+13 39.4	1.829	2.762	8.3	21.8
11 27	1 45.90	+13 3.8	1.899	2.761	12.0	22.0
12 7	1 41.69	+12 39.7	1.991	2.759	15.1	22.2

207265 2005 EQ_{271} 10 28.2 258°.26 1°.8/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.88	+10 35.6	1.803	2.690	12.2	20.7
10 8	2 27.11	+ 9 50.2	1.739	2.686	8.4	20.4
10 18	2 19.52	+ 8 58.2	1.700	2.683	4.3	20.2
10 28	2 10.95	+ 8 4.9	1.688	2.679	1.9	20.0
11 7	2 2.42	+ 7 16.0	1.704	2.675	5.3	20.2
11 17	1 54.95	+ 6 37.2	1.748	2.671	9.4	20.5
11 27	1 49.34	+ 6 12.7	1.817	2.667	13.0	20.7
12 7	1 46.09	+ 6 4.3	1.906	2.664	16.1	20.9

45160 1999 XS_{123} 10 28.2 22°.26 6°.0/31.6 18 R

9 28	2 36.09	+25 47.1	1.104	1.975	19.3	17.8
10 8	2 30.35	+26 17.9	1.054	1.981	14.9	17.5
10 18	2 21.52	+26 22.6	1.024	1.988	10.1	17.3
10 28	2 10.99	+26 0.4	1.015	1.996	6.4	17.1
11 7	2 0.62	+25 16.2	1.030	2.005	7.1	17.2
11 17	1 52.13	+24 19.4	1.069	2.015	11.2	17.5
11 27	1 46.82	+23 21.7	1.129	2.026	15.6	17.8
12 7	1 45.23	+22 32.9	1.209	2.038	19.5	18.0

22784 Theresaoei 10 28.2 270°.12 1°.3/29.1 18

9 28	2 35.86	+17 30.9	1.659	2.532	13.8	17.7
10 8	2 29.52	+17 23.4	1.584	2.521	10.0	17.5
10 18	2 20.92	+17 3.4	1.531	2.509	5.5	17.2
10 28	2 10.99	+16 32.8	1.506	2.498	1.4	16.9
11 7	2 0.95	+15 56.2	1.508	2.487	4.6	17.1
11 17	1 52.04	+15 19.4	1.537	2.475	9.2	17.3
11 27	1 45.30	+14 48.8	1.592	2.463	13.4	17.5
12 7	1 41.35	+14 29.4	1.667	2.452	16.9	17.8

250281 2003 HM_{31} 10 28.2 79°.49 0°.7/28.7 17

9 28	2 37.95	+17 42.1	1.244	2.127	16.7	20.8
10 8	2 30.98	+16 59.7	1.204	2.147	11.8	20.6
10 18	2 21.55	+16 1.0	1.186	2.166	6.3	20.3
10 28	2 11.00	+14 51.7	1.193	2.186	0.8	20.0
11 7	2 0.90	+13 40.9	1.226	2.205	5.3	20.4
11 17	1 52.60	+12 37.4	1.285	2.224	10.5	20.7
11 27	1 47.07	+11 48.9	1.367	2.243	14.9	21.1
12 7	1 44.68	+11 19.1	1.469	2.261	18.5	21.4

222429 2001 OQ_{101} 10 28.2 145°.44 7°.0/ 2.9 18

9 28	2 40.70	+33 32.9	1.875	2.672	15.6	20.0
10 8	2 32.83	+34 0.7	1.809	2.681	12.7	19.8
10 18	2 22.58	+34 4.6	1.764	2.690	9.7	19.6
10 28	2 11.04	+33 42.5	1.745	2.698	7.4	19.5
11 7	1 59.57	+32 56.9	1.754	2.706	7.2	19.5
11 17	1 49.48	+31 53.7	1.789	2.713	9.2	19.6
11 27	1 41.82	+30 42.2	1.851	2.719	12.0	19.8
12 7	1 37.14	+29 31.6	1.935	2.725	14.7	20.0

263164 2007 VW_{309} 10 28.2 102°.62 2°.3/26.4 18

9 28	2 33.62	+ 8 5.5	1.935	2.821	11.5	20.6
10 8	2 27.44	+ 7 30.8	1.881	2.828	8.0	20.4
10 18	2 19.62	+ 6 53.1	1.853	2.835	4.2	20.2
10 28	2 10.98	+ 6 16.9	1.853	2.842	2.4	20.1
11 7	2 2.48	+ 5 47.0	1.881	2.849	5.3	20.3
11 17	1 55.02	+ 5 27.4	1.938	2.856	9.0	20.5
11 27	1 49.34	+ 5 20.7	2.019	2.862	12.2	20.7
12 7	1 45.86	+ 5 28.1	2.122	2.869	15.0	21.0

453433 2009 PX_{8} 10 28.2 29°.41 6°.3/23.6 18

9 28	2 30.35	+ 0 41.4	1.394	2.300	13.7	19.0
10 8	2 25.36	− 0 39.8	1.372	2.323	9.9	18.9
10 18	2 18.54	− 1 54.7	1.373	2.346	6.9	18.8
10 28	2 10.96	− 2 54.4	1.400	2.371	6.6	18.8
11 7	2 3.77	− 3 32.7	1.452	2.396	9.2	19.0
11 17	1 57.95	− 3 46.4	1.528	2.423	12.5	19.3
11 27	1 54.23	− 3 35.8	1.625	2.450	15.6	19.6
12 7	1 52.94	− 3 3.7	1.740	2.478	18.1	19.8

508130 2015 EW_{63} 10 28.2 114°.01 5°.9/ 1.2 18

9 28	2 42.74	+28 28.0	1.766	2.587	15.4	20.8
10 8	2 34.23	+29 12.2	1.708	2.603	12.1	20.7
10 18	2 23.31	+29 35.9	1.673	2.618	8.7	20.5
10 28	2 11.08	+29 37.3	1.665	2.633	6.2	20.4
11 7	1 58.96	+29 18.1	1.685	2.647	6.4	20.4
11 17	1 48.29	+28 44.0	1.732	2.661	9.1	20.6
11 27	1 40.14	+28 2.9	1.806	2.674	12.2	20.9
12 7	1 35.05	+27 22.9	1.901	2.687	15.1	21.1

188390 2004 DP_{11} 10 28.2 269°.97 2°.7/26.2 18

9 28	2 34.33	+ 9 54.4	1.559	2.450	13.4	20.4
10 8	2 28.52	+ 8 46.4	1.481	2.431	9.4	20.1
10 18	2 20.44	+ 7 29.0	1.428	2.411	5.0	19.8
10 28	2 11.02	+ 6 9.3	1.402	2.391	2.9	19.6
11 7	2 1.46	+ 4 55.8	1.403	2.370	6.7	19.8
11 17	1 53.00	+ 3 56.6	1.430	2.350	11.4	20.0
11 27	1 46.69	+ 3 17.4	1.481	2.329	15.6	20.2
12 7	1 43.17	+ 3 0.9	1.551	2.307	19.2	20.4

310568 2001 SO_{78} 10 28.2 87°.49 2°.8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.05	+21 41.9	1.918	2.771	13.1	20.9
10 8	2 29.31	+21 52.1	1.857	2.779	9.7	20.7
10 18	2 20.67	+21 48.4	1.820	2.788	6.0	20.5
10 28	2 11.02	+21 31.7	1.810	2.797	3.0	20.3
11 7	2 1.46	+21 5.3	1.829	2.805	4.3	20.4
11 17	1 53.03	+20 33.9	1.876	2.814	7.8	20.7
11 27	1 46.59	+20 3.4	1.949	2.822	11.3	20.9
12 7	1 42.62	+19 38.8	2.045	2.831	14.2	21.1

147526 2004 DY_{45} 10 28.2 91°.94 2°.0/26.8 16

9 28	2 37.20	+10 21.5	1.540	2.427	13.8	19.9
10 8	2 30.07	+ 9 34.3	1.501	2.448	9.5	19.7
10 18	2 20.98	+ 8 41.5	1.486	2.469	4.9	19.4
10 28	2 11.03	+ 7 49.0	1.499	2.490	2.1	19.3
11 7	2 1.45	+ 7 3.3	1.540	2.510	5.8	19.6
11 17	1 53.34	+ 6 29.7	1.607	2.530	10.1	19.9
11 27	1 47.49	+ 6 12.0	1.699	2.550	13.8	20.2
12 7	1 44.31	+ 6 11.1	1.810	2.569	16.8	20.4

17741 1998 BS_{23} 10 28.2 5°.43 0°.6/28.7 18

9 28	2 32.20	+16 23.8	1.630	2.511	13.5	17.9
10 8	2 26.83	+16 1.6	1.569	2.511	9.6	17.7
10 18	2 19.46	+15 27.5	1.531	2.512	5.1	17.5
10 28	2 11.01	+14 45.2	1.520	2.513	0.7	17.1
11 7	2 2.64	+14 0.1	1.536	2.515	4.5	17.4
11 17	1 55.43	+13 18.4	1.579	2.517	9.0	17.7
11 27	1 50.28	+12 45.9	1.646	2.520	12.9	17.9
12 7	1 47.69	+12 26.5	1.734	2.523	16.2	18.2

381346 2008 CY_{102} 10 28.2 81°.69 2°.0/26.8 16

9 28	2 35.71	+12 4.8	1.361	2.253	14.9	21.3
10 8	2 29.26	+10 55.4	1.320	2.270	10.3	21.0
10 18	2 20.65	+ 9 37.1	1.304	2.288	5.2	20.8
10 28	2 11.05	+ 8 17.6	1.313	2.305	2.1	20.6
11 7	2 1.83	+ 7 6.1	1.349	2.321	6.2	21.0
11 17	1 54.16	+ 6 9.7	1.412	2.338	10.9	21.3
11 27	1 48.94	+ 5 33.5	1.497	2.355	14.9	21.6
12 7	1 46.54	+ 5 18.7	1.602	2.371	18.2	21.8

19472 1998 HL_{52} 10 28.2 124°.49 4°.6/25.5 18

9 28	2 37.76	+ 1 17.3	1.712	2.599	12.7	17.3
10 8	2 30.51	+ 0 59.2	1.658	2.601	9.1	17.1
10 18	2 21.30	+ 0 45.1	1.628	2.602	5.7	16.9
10 28	2 11.07	+ 0 39.8	1.625	2.604	4.7	16.8
11 7	2 0.97	+ 0 47.3	1.651	2.606	7.3	17.0
11 17	1 52.09	+ 1 9.5	1.703	2.608	10.9	17.2
11 27	1 45.30	+ 1 47.1	1.780	2.609	14.2	17.4
12 7	1 41.08	+ 2 38.8	1.876	2.611	17.1	17.7

223981 2004 YM_{32} 10 28.2 265°.71 15°.5/ 4.3 17

9 28	2 48.78	+41 30.0	1.221	2.001	23.2	19.4
10 8	2 40.72	+43 44.6	1.153	1.993	20.5	19.2
10 18	2 27.77	+45 26.3	1.102	1.985	17.9	19.0
10 28	2 11.24	+46 21.1	1.070	1.977	16.0	18.9
11 7	1 53.71	+46 22.2	1.058	1.969	15.6	18.8
11 17	1 38.22	+45 33.5	1.068	1.961	16.9	18.9
11 27	1 27.27	+44 10.3	1.097	1.952	19.4	19.0
12 7	1 21.95	+42 32.2	1.143	1.944	22.2	19.2

355473 2007 VR_{309} 10 28.2 335°.31 2°.0/26.9 18

9 28	2 33.56	+ 9 28.1	1.656	2.547	12.8	21.0
10 8	2 27.75	+ 8 59.4	1.594	2.543	8.9	20.7
10 18	2 19.94	+ 8 25.9	1.556	2.539	4.7	20.5
10 28	2 11.05	+ 7 52.0	1.544	2.535	2.1	20.3
11 7	2 2.19	+ 7 23.3	1.560	2.532	5.6	20.5
11 17	1 54.46	+ 7 4.4	1.603	2.529	9.9	20.8
11 27	1 48.76	+ 6 59.1	1.670	2.526	13.7	21.0
12 7	1 45.59	+ 7 9.0	1.757	2.524	16.9	21.2

180623 2004 FJ_{127} 10 28.2 175°.43 1°.0/29.1 18

9 28	2 33.42	+18 1.7	2.229	3.091	11.2	21.2
10 8	2 27.28	+17 38.8	2.160	3.093	8.0	21.0
10 18	2 19.57	+17 5.4	2.117	3.094	4.4	20.8
10 28	2 11.04	+16 24.1	2.102	3.095	1.1	20.5
11 7	2 2.56	+15 38.8	2.117	3.095	3.6	20.7
11 17	1 54.99	+14 54.3	2.161	3.095	7.2	21.0
11 27	1 49.03	+14 15.5	2.232	3.095	10.4	21.2
12 7	1 45.15	+13 46.2	2.326	3.095	13.2	21.4

376711 1995 SB_{79} 10 28.2 158°.09 2°.8/30.2 16

9 28	2 39.20	+21 49.3	1.768	2.620	14.1	21.5
10 8	2 31.66	+21 49.7	1.704	2.626	10.4	21.3
10 18	2 21.96	+21 34.4	1.663	2.632	6.3	21.1
10 28	2 11.10	+21 4.4	1.650	2.637	3.0	20.9
11 7	2 0.33	+20 23.9	1.665	2.642	4.6	21.0
11 17	1 50.84	+19 38.9	1.709	2.646	8.5	21.3
11 27	1 43.59	+18 56.4	1.779	2.649	12.3	21.5
12 7	1 39.11	+18 22.1	1.870	2.652	15.5	21.7

352297 2007 TW_{429} 10 28.2 38°.30 4°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.31	+ 5 49.7	1.351	2.254	14.3	19.9
10 8	2 27.58	+ 4 56.5	1.317	2.270	9.9	19.7
10 18	2 19.79	+ 4 2.7	1.305	2.286	5.7	19.5
10 28	2 11.05	+ 3 15.7	1.318	2.303	4.2	19.5
11 7	2 2.65	+ 2 42.3	1.358	2.321	7.5	19.7
11 17	1 55.72	+ 2 26.7	1.422	2.340	11.6	20.0
11 27	1 51.09	+ 2 31.0	1.508	2.359	15.3	20.3
12 7	1 49.17	+ 2 54.3	1.613	2.378	18.3	20.6

2364 Seillier 10 28.2 184°.72 0°.6/27.7 18

9 28	2 32.35	+11 46.1	2.748	3.618	9.0	16.9
10 8	2 26.29	+11 32.1	2.678	3.618	6.3	16.7
10 18	2 18.99	+11 13.7	2.636	3.617	3.2	16.5
10 28	2 11.04	+10 53.3	2.624	3.617	0.6	16.3
11 7	2 3.11	+10 33.6	2.642	3.616	3.4	16.5
11 17	1 55.87	+10 17.6	2.690	3.614	6.5	16.7
11 27	1 49.92	+10 8.0	2.766	3.613	9.2	16.9
12 7	1 45.64	+10 6.5	2.865	3.611	11.5	17.1

11931 1993 DD_2 10 28.2 322°.82 4°.1/30.4 18

9 28	2 39.68	+22 2.4	1.608	2.463	15.1	16.7
10 8	2 32.41	+22 51.7	1.536	2.458	11.4	16.5
10 18	2 22.56	+23 26.7	1.487	2.453	7.4	16.2
10 28	2 11.13	+23 45.6	1.464	2.448	4.3	16.1
11 7	1 59.51	+23 49.6	1.469	2.443	5.6	16.1
11 17	1 49.13	+23 42.6	1.501	2.438	9.5	16.3
11 27	1 41.20	+23 31.2	1.558	2.434	13.4	16.6
12 7	1 36.41	+23 21.9	1.636	2.430	16.8	16.8

250506 2004 GD_{45} 10 28.2 169°.71 0°.3/27.9 18

9 28	2 32.21	+15 2.0	2.351	3.220	10.4	21.5
10 8	2 26.32	+14 15.1	2.285	3.224	7.2	21.3
10 18	2 19.04	+13 19.7	2.246	3.226	3.7	21.1
10 28	2 11.04	+12 19.5	2.235	3.229	0.3	20.8
11 7	2 3.13	+11 19.4	2.255	3.231	3.7	21.1
11 17	1 56.07	+10 24.2	2.305	3.232	7.2	21.3
11 27	1 50.50	+ 9 38.5	2.382	3.233	10.3	21.5
12 7	1 46.83	+ 9 5.0	2.481	3.234	12.9	21.7

512489 2016 QM_{83} 10 28.3 58°.87 2°.6/26.7 18

9 28	2 36.75	+ 9 34.7	1.258	2.156	15.5	21.1
10 8	2 30.02	+ 8 48.5	1.227	2.179	10.7	20.9
10 18	2 21.04	+ 7 57.1	1.218	2.202	5.5	20.7
10 28	2 11.09	+ 7 7.7	1.234	2.225	2.7	20.6
11 7	2 1.62	+ 6 27.5	1.277	2.248	6.6	20.9
11 17	1 53.86	+ 6 2.1	1.345	2.272	11.3	21.2
11 27	1 48.69	+ 5 54.8	1.435	2.295	15.3	21.5
12 7	1 46.46	+ 6 5.7	1.544	2.319	18.5	21.8

370017 2000 DE_{67} 10 28.3 232°.61 2°.0/30.3 17

9 28	2 31.90	+21 35.3	2.687	3.532	10.0	21.7
10 8	2 26.13	+21 24.7	2.603	3.523	7.4	21.5
10 18	2 18.98	+21 3.3	2.545	3.513	4.5	21.4
10 28	2 11.05	+20 32.2	2.516	3.504	2.1	21.2
11 7	2 3.09	+19 54.3	2.517	3.494	3.3	21.2
11 17	1 55.82	+19 13.4	2.548	3.483	6.2	21.4
11 27	1 49.90	+18 33.8	2.606	3.473	9.0	21.6
12 7	1 45.77	+17 59.7	2.689	3.462	11.5	21.8

395861 2013 AV_6 10 28.3 330°.46 4°.7/25.3 18

9 28	2 31.41	+ 4 55.5	1.303	2.210	14.4	19.9
10 8	2 26.74	+ 4 4.7	1.236	2.191	10.2	19.6
10 18	2 19.63	+ 3 11.8	1.191	2.173	6.1	19.3
10 28	2 11.07	+ 2 24.7	1.171	2.155	4.9	19.2
11 7	2 2.39	+ 1 51.3	1.176	2.139	8.4	19.4
11 17	1 54.93	+ 1 38.0	1.204	2.124	13.0	19.6
11 27	1 49.84	+ 1 47.8	1.253	2.109	17.4	19.8
12 7	1 47.76	+ 2 20.5	1.320	2.096	21.0	20.0

10844 1995 AG 10 28.3 316°.88 2°.6/29.9 18

9 28	2 35.52	+20 57.5	1.265	2.143	16.9	17.7
10 8	2 29.76	+20 41.3	1.200	2.138	12.4	17.4
10 18	2 21.23	+20 4.6	1.156	2.132	7.3	17.1
10 28	2 11.11	+19 9.9	1.136	2.127	2.8	16.8
11 7	2 0.97	+18 3.9	1.142	2.122	5.4	17.0
11 17	1 52.35	+16 56.2	1.173	2.117	10.6	17.2
11 27	1 46.49	+15 56.8	1.226	2.113	15.4	17.5
12 7	1 44.00	+15 13.0	1.299	2.109	19.5	17.8

121294 1999 RW_{182} 10 28.3 62°.99 0°.9/28.9 18

9 28	2 36.05	+17 15.8	1.503	2.380	14.7	19.6
10 8	2 29.44	+16 54.6	1.460	2.400	10.4	19.4
10 18	2 20.75	+16 20.4	1.441	2.421	5.6	19.2
10 28	2 11.10	+15 37.0	1.448	2.441	1.0	18.9
11 7	2 1.77	+14 50.6	1.482	2.462	4.6	19.2
11 17	1 53.92	+14 7.8	1.544	2.482	9.1	19.5
11 27	1 48.40	+13 34.4	1.629	2.503	13.1	19.8
12 7	1 45.61	+13 14.1	1.736	2.523	16.3	20.1

121045 1999 CV_{29} 10 28.3 302.°66 3.°4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 27.64	+ 2 10.9	2.819	3.705	8.3	19.6
10 8	2 23.06	+ 1 23.0	2.745	3.688	5.9	19.4
10 18	2 17.35	+ 0 35.7	2.699	3.672	3.9	19.2
10 28	2 11.02	− 0 6.8	2.681	3.655	3.6	19.2
11 7	2 4.67	− 0 40.8	2.693	3.639	5.4	19.3
11 17	1 58.89	− 1 3.5	2.732	3.622	7.8	19.4
11 27	1 54.22	− 1 12.8	2.797	3.606	10.2	19.6
12 7	1 51.04	− 1 8.3	2.884	3.590	12.3	19.7

42890 1999 RG_{167} 10 28.3 290.°71 2.°2/26.8 18

9 28	2 34.91	+ 8 53.4	1.641	2.530	13.0	18.1
10 8	2 28.83	+ 8 27.5	1.567	2.516	9.1	17.8
10 18	2 20.60	+ 7 56.8	1.518	2.501	4.8	17.5
10 28	2 11.10	+ 7 26.1	1.496	2.486	2.3	17.3
11 7	2 1.51	+ 7 0.6	1.501	2.472	5.9	17.5
11 17	1 52.98	+ 6 45.2	1.533	2.458	10.3	17.7
11 27	1 46.53	+ 6 43.9	1.589	2.443	14.4	18.0
12 7	1 42.76	+ 6 58.3	1.664	2.429	17.8	18.2

284060 2005 CH_{58} 10 28.3 322.°25 16.°8/12.8 16

9 28	2 44.32	+55 45.2	1.738	2.388	21.6	20.2
10 8	2 37.32	+57 29.5	1.663	2.377	20.2	20.1
10 18	2 25.86	+58 38.8	1.602	2.367	18.8	20.0
10 28	2 11.24	+59 3.0	1.556	2.358	17.6	19.8
11 7	1 55.91	+58 37.1	1.529	2.349	16.9	19.8
11 17	1 42.63	+57 23.4	1.520	2.340	16.8	19.8
11 27	1 33.59	+55 32.3	1.530	2.332	17.5	19.8
12 7	1 29.73	+53 18.7	1.558	2.324	18.7	19.9

150065 2006 RG_{48} 10 28.3 28.°57 2.°9/25.9 18

9 28	2 30.35	+ 9 47.6	1.493	2.392	13.4	19.5
10 8	2 25.50	+ 8 26.5	1.448	2.401	9.2	19.3
10 18	2 18.74	+ 6 59.1	1.426	2.410	4.9	19.1
10 28	2 11.06	+ 5 33.4	1.432	2.420	3.1	19.0
11 7	2 3.60	+ 4 18.2	1.464	2.431	6.6	19.3
11 17	1 57.39	+ 3 20.4	1.521	2.442	10.8	19.5
11 27	1 53.23	+ 2 44.0	1.602	2.453	14.5	19.8
12 7	1 51.54	+ 2 30.0	1.702	2.465	17.5	20.0

335498 2005 YX_{16} 10 28.3 184.°34 18.°8/15.7 17

9 28	2 42.30	−25 51.0	1.180	2.021	20.4	20.0
10 8	2 34.29	−27 53.6	1.161	2.021	19.1	19.9
10 18	2 23.41	−29 16.6	1.160	2.021	18.8	19.9
10 28	2 11.18	−29 47.4	1.177	2.021	19.5	20.0
11 7	1 59.45	−29 22.2	1.211	2.020	21.1	20.1
11 17	1 49.80	−28 4.9	1.262	2.019	23.0	20.2
11 27	1 43.31	−26 4.7	1.327	2.017	24.9	20.4
12 7	1 40.38	−23 33.4	1.403	2.015	26.6	20.6

457786 2009 PQ_{16} 10 28.3 4.°31 7.°8/ 1.5 17

9 28	2 36.22	+29 5.8	1.440	2.281	17.3	20.0
10 8	2 30.29	+30 25.6	1.379	2.281	13.9	19.8
10 18	2 21.57	+31 23.8	1.339	2.282	10.5	19.6
10 28	2 11.14	+31 56.2	1.322	2.285	8.1	19.5
11 7	2 0.56	+32 2.8	1.330	2.289	8.2	19.5
11 17	1 51.40	+31 48.2	1.363	2.295	10.7	19.7
11 27	1 44.95	+31 20.8	1.419	2.302	14.0	19.9
12 7	1 41.92	+30 50.0	1.494	2.310	17.1	20.1

279594 2011 ET_{9} 10 28.3 144.°34 1.°9/26.7 18

9 28	2 34.51	+11 14.0	1.687	2.573	12.9	20.7
10 8	2 28.29	+10 12.3	1.632	2.579	8.9	20.5
10 18	2 20.17	+ 9 3.0	1.601	2.584	4.6	20.3
10 28	2 11.10	+ 7 52.2	1.598	2.589	2.0	20.1
11 7	2 2.20	+ 6 47.3	1.623	2.594	5.6	20.4
11 17	1 54.49	+ 5 54.4	1.676	2.598	9.8	20.6
11 27	1 48.82	+ 5 18.4	1.753	2.602	13.5	20.9
12 7	1 45.63	+ 5 0.9	1.850	2.605	16.6	21.1

55918 1998 FP_{30} 10 28.3 125.°55 3.°8/24.2 18

9 28	2 31.06	+ 3 29.4	2.378	3.264	9.7	19.5
10 8	2 25.42	+ 2 11.1	2.333	3.277	6.8	19.3
10 18	2 18.53	+ 0 53.4	2.316	3.290	4.4	19.2
10 28	2 11.07	− 0 18.1	2.327	3.302	4.0	19.2
11 7	2 3.77	− 1 18.1	2.369	3.314	6.1	19.4
11 17	1 57.31	− 2 2.9	2.439	3.326	8.8	19.5
11 27	1 52.26	− 2 30.5	2.533	3.337	11.3	19.7
12 7	1 48.97	− 2 40.8	2.649	3.347	13.4	19.9

340345 2006 DY_{58} 10 28.3 314.°99 1.°3/27.3 18

9 28	2 33.14	+12 33.3	1.610	2.498	13.3	21.6
10 8	2 27.51	+11 44.0	1.548	2.496	9.2	21.4
10 18	2 19.85	+10 45.3	1.510	2.493	4.7	21.1
10 28	2 11.11	+ 9 42.8	1.498	2.491	1.4	20.8
11 7	2 2.44	+ 8 43.5	1.514	2.488	5.4	21.1
11 17	1 54.93	+ 7 54.1	1.557	2.486	9.9	21.4
11 27	1 49.50	+ 7 19.8	1.624	2.484	13.8	21.6
12 7	1 46.65	+ 7 3.4	1.711	2.482	17.1	21.8

478891 2012 WQ_{12} 10 28.3 353.°00 1.°4/27.3 18

9 28	2 32.52	+12 1.8	1.369	2.266	14.6	20.6
10 8	2 27.34	+11 23.4	1.310	2.262	10.2	20.3
10 18	2 19.85	+10 35.8	1.275	2.259	5.2	20.0
10 28	2 11.11	+ 9 44.6	1.264	2.257	1.5	19.8
11 7	2 2.44	+ 8 57.1	1.279	2.255	5.9	20.1
11 17	1 55.09	+ 8 20.3	1.320	2.254	10.8	20.3
11 27	1 50.07	+ 7 59.4	1.383	2.254	15.1	20.6
12 7	1 47.93	+ 7 56.8	1.466	2.254	18.7	20.9

513584 2011 AF_{38} 10 28.3 350.°36 1.°1/27.7 18

9 28	2 34.98	+11 49.7	1.104	2.008	16.7	21.2
10 8	2 29.52	+11 40.0	1.048	2.002	11.8	20.9
10 18	2 21.16	+11 21.3	1.012	1.997	6.1	20.6
10 28	2 11.15	+10 58.3	1.000	1.993	1.1	20.3
11 7	2 1.15	+10 37.4	1.012	1.991	6.4	20.6
11 17	1 52.77	+10 25.2	1.048	1.989	12.1	20.9
11 27	1 47.28	+10 27.1	1.105	1.988	17.1	21.2
12 7	1 45.29	+10 45.5	1.179	1.988	21.2	21.5

12732 1991 TN 10 28.3 184.°74 3.°1/26.1 18

9 28	2 36.50	+ 6 53.6	1.723	2.610	12.6	18.1
10 8	2 29.70	+ 6 9.4	1.664	2.610	8.8	17.9
10 18	2 20.94	+ 5 22.3	1.629	2.610	4.9	17.7
10 28	2 11.15	+ 4 38.1	1.623	2.610	3.2	17.6
11 7	2 1.46	+ 4 2.5	1.644	2.609	6.3	17.7
11 17	1 52.93	+ 3 40.2	1.693	2.607	10.3	18.0
11 27	1 46.45	+ 3 34.3	1.766	2.605	13.9	18.2
12 7	1 42.50	+ 3 45.3	1.859	2.602	16.9	18.4

350259 2012 TV_{155} 10 28.3 118.°92 0.°0/28.2 18

9 28	2 36.56	+14 4.7	1.624	2.504	13.7	21.0
10 8	2 29.90	+13 54.0	1.563	2.505	9.6	20.8
10 18	2 21.11	+13 34.1	1.525	2.507	5.0	20.5
10 28	2 11.16	+13 8.1	1.515	2.509	0.1	20.1
11 7	2 1.28	+12 41.0	1.533	2.510	4.8	20.5
11 17	1 52.64	+12 17.7	1.578	2.512	9.3	20.8
11 27	1 46.20	+12 3.3	1.647	2.513	13.3	21.1
12 7	1 42.49	+12 0.9	1.737	2.515	16.6	21.3

452459 2003 UN_{2} 10 28.3 159.°38 5.°7/22.2 18

9 28	2 32.05	− 7 54.7	2.821	3.689	8.9	21.7
10 8	2 25.98	− 8 38.7	2.776	3.695	7.0	21.6
10 18	2 18.81	− 9 14.6	2.758	3.700	5.8	21.5
10 28	2 11.10	− 9 38.5	2.768	3.705	6.0	21.5
11 7	2 3.51	− 9 47.4	2.807	3.709	7.3	21.6
11 17	1 56.64	− 9 40.1	2.873	3.713	9.2	21.8
11 27	1 51.02	− 9 16.7	2.963	3.717	11.0	21.9
12 7	1 46.99	− 8 38.8	3.074	3.720	12.6	22.0

422119 2014 QY_{416} 10 28.3 51.°41 1.°7/26.6 18

9 28	2 30.09	+11 13.4	2.002	2.888	11.2	21.2
10 8	2 24.99	+10 8.7	1.950	2.897	7.7	21.0
10 18	2 18.40	+ 8 57.7	1.924	2.907	3.9	20.8
10 28	2 11.09	+ 7 46.2	1.926	2.916	1.8	20.7
11 7	2 3.93	+ 6 40.1	1.956	2.926	4.9	20.9
11 17	1 57.73	+ 5 44.8	2.015	2.936	8.5	21.1
11 27	1 53.15	+ 5 4.5	2.099	2.946	11.7	21.4
12 7	1 50.60	+ 4 40.7	2.205	2.956	14.3	21.6

304273 2006 RT_{117} 10 28.3 195.°40 1.°4/29.5 18

9 28	2 35.18	+18 41.1	2.323	3.178	11.0	21.6
10 8	2 28.54	+18 36.1	2.248	3.176	8.0	21.4
10 18	2 20.29	+18 21.0	2.199	3.173	4.6	21.2
10 28	2 11.14	+17 57.3	2.179	3.170	1.5	21.0
11 7	2 1.99	+17 28.0	2.189	3.167	3.5	21.1
11 17	1 53.70	+16 57.3	2.229	3.163	7.0	21.4
11 27	1 47.01	+16 29.6	2.295	3.158	10.2	21.6
12 7	1 42.42	+16 8.8	2.386	3.153	12.9	21.7

49191 1998 SN_{85} 10 28.3 123.°18 0.°3/28.5 18

9 28	2 38.83	+15 36.8	1.836	2.703	12.9	19.6
10 8	2 31.13	+15 14.0	1.786	2.723	9.1	19.4
10 18	2 21.58	+14 41.3	1.761	2.741	4.8	19.2
10 28	2 11.17	+14 2.0	1.765	2.759	0.4	18.9
11 7	2 1.03	+13 21.1	1.799	2.776	4.3	19.3
11 17	1 52.17	+12 43.9	1.861	2.792	8.4	19.6
11 27	1 45.40	+12 15.3	1.949	2.807	11.9	19.8
12 7	1 41.13	+11 58.3	2.059	2.821	14.9	20.0

336935 2011 HG_{63} 10 28.3 44.°31 0.°0/28.2 18

9 28	2 36.58	+14 3.8	1.369	2.256	15.2	20.2
10 8	2 30.10	+13 54.3	1.318	2.264	10.7	19.9
10 18	2 21.25	+13 34.6	1.290	2.273	5.5	19.7
10 28	2 11.16	+13 8.5	1.288	2.281	0.1	19.3
11 7	2 1.27	+12 41.4	1.312	2.290	5.2	19.7
11 17	1 52.88	+12 19.1	1.362	2.300	10.2	20.0
11 27	1 47.00	+12 7.1	1.435	2.309	14.5	20.3
12 7	1 44.13	+12 8.4	1.529	2.319	18.0	20.6

517528 2014 RZ_{41} 10 28.3 99°.73 3°.2/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.31	+24 48.6	2.413	3.246	11.4	21.5
10 8	2 27.83	+24 52.8	2.353	3.261	8.6	21.3
10 18	2 19.86	+24 43.3	2.317	3.276	5.7	21.2
10 28	2 11.14	+24 21.1	2.310	3.290	3.4	21.0
11 7	2 2.52	+23 48.9	2.333	3.305	4.0	21.1
11 17	1 54.83	+23 10.8	2.384	3.319	6.6	21.3
11 27	1 48.75	+22 31.9	2.463	3.333	9.3	21.5
12 7	1 44.71	+21 57.0	2.566	3.347	11.8	21.7

521820 2015 TX_{293} 10 28.3 323°.41 3°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 29.35	+ 7 7.0	1.706	2.605	12.1	21.0
10 8	2 24.79	+ 5 29.6	1.642	2.594	8.4	20.7
10 18	2 18.43	+ 3 46.6	1.603	2.584	5.0	20.5
10 28	2 11.10	+ 2 6.3	1.592	2.574	4.2	20.4
11 7	2 3.80	+ 0 37.8	1.608	2.565	7.3	20.6
11 17	1 57.48	− 0 31.8	1.651	2.556	11.1	20.8
11 27	1 52.99	− 1 18.0	1.716	2.547	14.6	21.0
12 7	1 50.80	− 1 39.7	1.801	2.539	17.6	21.2

262863 2007 BY_{38} 10 28.3 335°.40 5°.3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.87	+ 1 59.0	1.619	2.519	12.5	20.4
10 8	2 25.92	+ 0 57.2	1.560	2.509	9.0	20.2
10 18	2 19.05	− 0 3.2	1.524	2.500	6.0	20.0
10 28	2 11.12	− 0 54.7	1.515	2.491	5.5	19.9
11 7	2 3.23	− 1 30.7	1.532	2.483	8.3	20.1
11 17	1 56.39	− 1 46.5	1.574	2.475	11.9	20.3
11 27	1 51.49	− 1 40.4	1.638	2.468	15.3	20.5
12 7	1 49.04	− 1 13.0	1.721	2.462	18.2	20.7

290503 2005 UM_{26} 10 28.3 12°.99 0°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.52	+17 1.4	1.566	2.448	13.9	20.7
10 8	2 26.42	+16 37.4	1.509	2.452	9.9	20.5
10 18	2 19.31	+16 0.7	1.475	2.456	5.3	20.2
10 28	2 11.13	+15 15.0	1.467	2.461	0.9	19.9
11 7	2 3.07	+14 26.2	1.487	2.466	4.5	20.2
11 17	1 56.21	+13 40.8	1.532	2.472	9.0	20.5
11 27	1 51.46	+13 5.0	1.602	2.479	13.0	20.8
12 7	1 49.29	+12 42.6	1.692	2.487	16.3	21.0

72994 2002 EZ_{10} 10 28.3 99°.28 0°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.19	+14 11.0	1.473	2.353	14.8	20.1
10 8	2 31.60	+13 34.7	1.432	2.375	10.3	19.9
10 18	2 21.88	+12 48.1	1.415	2.397	5.2	19.7
10 28	2 11.20	+11 56.4	1.424	2.418	0.5	19.4
11 7	2 0.92	+11 6.4	1.462	2.438	5.2	19.8
11 17	1 52.23	+10 24.4	1.527	2.458	9.8	20.1
11 27	1 45.99	+ 9 55.8	1.616	2.477	13.8	20.4
12 7	1 42.60	+ 9 42.9	1.725	2.496	17.0	20.7

227300 2005 SP_{261} 10 28.3 109°.78 0°.8/27.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.52	+13 32.2	1.626	2.506	13.6	21.0
10 8	2 29.68	+12 47.0	1.578	2.522	9.4	20.8
10 18	2 20.89	+11 52.6	1.554	2.537	4.8	20.6
10 28	2 11.18	+10 54.2	1.558	2.551	0.9	20.3
11 7	2 1.74	+ 9 58.3	1.590	2.565	5.0	20.7
11 17	1 53.64	+ 9 11.4	1.650	2.579	9.4	21.0
11 27	1 47.73	+ 8 38.2	1.734	2.592	13.2	21.2
12 7	1 44.41	+ 8 21.3	1.839	2.605	16.3	21.5

446055 2013 CL_{122} 10 28.3 214°.11 0°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.79	+17 43.6	2.213	3.075	11.2	22.2
10 8	2 27.63	+17 23.9	2.138	3.070	8.0	22.0
10 18	2 19.85	+16 53.8	2.088	3.065	4.4	21.7
10 28	2 11.17	+16 15.6	2.067	3.059	1.0	21.5
11 7	2 2.48	+15 33.3	2.075	3.053	3.6	21.7
11 17	1 54.66	+14 51.5	2.112	3.047	7.3	21.9
11 27	1 48.46	+14 15.2	2.177	3.040	10.7	22.1
12 7	1 44.38	+13 48.1	2.264	3.033	13.5	22.3

230967 2004 YA_{19} 10 28.3 355°.16 8°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.26	−10 59.4	2.092	2.966	11.3	19.6
10 8	2 25.78	−12 3.7	2.050	2.964	9.4	19.4
10 18	2 18.83	−12 55.4	2.032	2.963	8.3	19.4
10 28	2 11.14	−13 28.2	2.041	2.963	8.6	19.4
11 7	2 3.58	−13 38.2	2.075	2.962	10.2	19.5
11 17	1 56.94	−13 24.1	2.133	2.962	12.3	19.6
11 27	1 51.90	−12 46.9	2.212	2.962	14.4	19.8
12 7	1 48.86	−11 49.7	2.310	2.962	16.2	20.0

436422 2011 AX_{65} 10 28.3 212°.95 1°.9/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.25	+10 17.7	1.688	2.573	13.0	22.3
10 8	2 29.65	+ 9 37.7	1.622	2.568	9.0	22.0
10 18	2 21.00	+ 8 51.2	1.581	2.564	4.7	21.7
10 28	2 11.20	+ 8 3.2	1.567	2.558	2.0	21.5
11 7	2 1.44	+ 7 19.7	1.581	2.553	5.6	21.8
11 17	1 52.82	+ 6 46.5	1.623	2.546	10.0	22.0
11 27	1 46.29	+ 6 27.8	1.689	2.540	13.9	22.3
12 7	1 42.38	+ 6 25.7	1.776	2.533	17.1	22.5

246839 2010 CE_{148} 10 28.3 310°.42 2°.2/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 30.55	+ 8 15.2	2.148	3.035	10.5	20.5
10 8	2 25.37	+ 7 36.0	2.079	3.026	7.3	20.3
10 18	2 18.67	+ 6 53.2	2.035	3.017	3.9	20.1
10 28	2 11.15	+ 6 11.3	2.019	3.008	2.3	20.0
11 7	2 3.61	+ 5 34.8	2.032	2.999	5.0	20.1
11 17	1 56.89	+ 5 7.8	2.073	2.990	8.5	20.3
11 27	1 51.69	+ 4 53.6	2.139	2.982	11.7	20.5
12 7	1 48.47	+ 4 53.5	2.227	2.974	14.3	20.7

494075 2016 BV_{71} 10 28.3 359°.24 3°.8/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.83	+27 0.2	2.430	3.257	11.5	21.1
10 8	2 26.25	+27 4.7	2.355	3.257	8.9	20.9
10 18	2 19.13	+26 54.4	2.305	3.256	6.2	20.8
10 28	2 11.17	+26 29.7	2.282	3.256	4.1	20.6
11 7	2 3.20	+25 53.1	2.287	3.256	4.3	20.6
11 17	1 56.06	+25 8.7	2.321	3.256	6.7	20.8
11 27	1 50.46	+24 21.9	2.382	3.257	9.4	21.0
12 7	1 46.87	+23 38.0	2.467	3.257	11.9	21.1

392939 2012 WN_{3} 10 28.3 15°.25 4°.1/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.76	+ 6 34.4	1.493	2.393	13.4	20.4
10 8	2 26.57	+ 5 11.7	1.442	2.395	9.3	20.2
10 18	2 19.39	+ 3 45.5	1.415	2.396	5.4	20.0
10 28	2 11.18	+ 2 24.4	1.415	2.398	4.4	19.9
11 7	2 3.12	+ 1 16.8	1.441	2.401	7.6	20.1
11 17	1 56.30	+ 0 29.3	1.493	2.403	11.7	20.4
11 27	1 51.58	+ 0 5.2	1.567	2.406	15.3	20.6
12 7	1 49.42	+ 0 4.5	1.659	2.410	18.4	20.9

490922 2011 CW_{47} 10 28.3 231°.21 8°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.83	+48 4.2	3.181	3.845	12.3	21.9
10 8	2 30.60	+48 35.6	3.084	3.833	11.0	21.8
10 18	2 21.49	+48 46.2	3.007	3.819	9.8	21.6
10 28	2 11.25	+48 33.2	2.953	3.806	8.7	21.5
11 7	2 0.88	+47 56.4	2.923	3.792	8.2	21.5
11 17	1 51.38	+46 58.2	2.920	3.777	8.5	21.5
11 27	1 43.63	+45 43.9	2.943	3.762	9.5	21.5
12 7	1 38.21	+44 20.3	2.990	3.747	10.8	21.6

66471 1999 RV_{19} 10 28.3 88°.18 6°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.82	+31 57.3	1.807	2.613	15.8	19.5
10 8	2 33.56	+32 35.5	1.757	2.637	12.6	19.4
10 18	2 23.01	+32 50.3	1.729	2.660	9.5	19.2
10 28	2 11.29	+32 40.3	1.727	2.684	7.1	19.2
11 7	1 59.80	+32 7.8	1.752	2.707	7.0	19.2
11 17	1 49.83	+31 19.1	1.804	2.729	9.0	19.4
11 27	1 42.35	+30 22.8	1.883	2.752	11.8	19.6
12 7	1 37.85	+29 27.4	1.983	2.773	14.4	19.8

514259 2015 PV_{304} 10 28.3 58°.03 3°.9/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.36	+ 4 3.0	1.825	2.716	11.8	21.1
10 8	2 27.42	+ 3 17.8	1.772	2.719	8.3	20.9
10 18	2 19.76	+ 2 33.1	1.743	2.721	5.0	20.7
10 28	2 11.21	+ 1 54.3	1.742	2.724	4.1	20.7
11 7	2 2.79	+ 1 26.8	1.769	2.726	6.7	20.8
11 17	1 55.42	+ 1 14.1	1.823	2.729	10.2	21.0
11 27	1 49.88	+ 1 18.2	1.900	2.732	13.4	21.3
12 7	1 46.63	+ 1 38.9	1.998	2.735	16.1	21.5

455076 2015 UD_{49} 10 28.3 210°.92 5°.0/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.48	− 2 38.9	2.481	3.362	9.5	20.9
10 8	2 25.80	− 3 31.4	2.423	3.358	7.1	20.8
10 18	2 18.83	− 4 19.1	2.392	3.353	5.3	20.7
10 28	2 11.19	− 4 57.3	2.390	3.349	5.3	20.7
11 7	2 3.61	− 5 22.0	2.416	3.344	7.0	20.8
11 17	1 56.77	− 5 30.6	2.469	3.339	9.4	20.9
11 27	1 51.29	− 5 22.3	2.547	3.333	11.8	21.1
12 7	1 47.55	− 4 58.0	2.645	3.327	13.8	21.2

324807 2007 HL_{50} 10 28.3 147°.65 1°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.19	+11 8.0	2.419	3.299	9.8	20.7
10 8	2 24.92	+10 11.4	2.358	3.302	6.7	20.6
10 18	2 18.38	+ 9 9.4	2.323	3.306	3.4	20.4
10 28	2 11.18	+ 8 6.3	2.318	3.309	1.5	20.2
11 7	2 4.07	+ 7 7.0	2.343	3.312	4.2	20.4
11 17	1 57.74	+ 6 16.0	2.397	3.315	7.4	20.6
11 27	1 52.79	+ 5 36.9	2.477	3.318	10.3	20.8
12 7	1 49.60	+ 5 11.6	2.580	3.321	12.7	21.0

510255 2011 HZ_{22} 10 28.3 52°.35 10°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.90	− 9 5.5	1.299	2.189	15.7	19.8
10 8	2 29.97	−10 16.6	1.285	2.214	12.5	19.7
10 18	2 20.99	−11 8.6	1.293	2.240	10.5	19.7
10 28	2 11.25	−11 33.3	1.324	2.266	10.5	19.8
11 7	2 2.09	−11 26.8	1.380	2.292	12.5	19.9
11 17	1 54.63	−10 50.2	1.457	2.318	15.2	20.2
11 27	1 49.66	− 9 47.5	1.555	2.344	17.8	20.4
12 7	1 47.45	− 8 24.6	1.669	2.371	20.0	20.7

342419 2008 UK_{72} 10 28.3 6.°77 1.°6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.32	+14 20.1	0.950	1.858	18.4	19.1
10 8	2 29.34	+15 10.6	0.904	1.859	13.1	18.8
10 18	2 21.19	+15 50.7	0.878	1.861	7.2	18.5
10 28	2 11.27	+16 20.6	0.874	1.867	1.7	18.2
11 7	2 1.44	+16 42.9	0.892	1.874	6.0	18.5
11 17	1 53.48	+17 2.1	0.933	1.884	11.8	18.8
11 27	1 48.74	+17 23.8	0.995	1.895	16.9	19.2
12 7	1 47.79	+17 52.4	1.074	1.909	21.0	19.5

117207 2004 RH_{193} 10 28.3 277.°41 3.°9/ 1.1 18

9 28	2 32.60	+27 18.4	2.199	3.028	12.5	19.4
10 8	2 26.94	+27 10.7	2.121	3.024	9.7	19.2
10 18	2 19.55	+26 45.7	2.067	3.020	6.6	19.0
10 28	2 11.22	+26 4.3	2.040	3.016	4.2	18.8
11 7	2 2.89	+25 9.7	2.041	3.012	4.6	18.8
11 17	1 55.47	+24 7.2	2.070	3.008	7.2	19.0
11 27	1 49.77	+23 3.6	2.127	3.004	10.3	19.2
12 7	1 46.29	+22 4.9	2.207	3.000	13.1	19.4

438286 2006 AY_{34} 10 28.3 349.°07 3.°2/26.3 17

9 28	2 33.35	+ 8 0.4	1.286	2.189	14.9	20.4
10 8	2 28.04	+ 7 19.1	1.230	2.184	10.4	20.1
10 18	2 20.31	+ 6 33.1	1.196	2.180	5.6	19.8
10 28	2 11.25	+ 5 49.3	1.187	2.176	3.3	19.7
11 7	2 2.24	+ 5 15.1	1.203	2.173	7.2	19.9
11 17	1 54.62	+ 4 56.4	1.244	2.171	12.0	20.2
11 27	1 49.46	+ 4 57.0	1.306	2.170	16.3	20.4
12 7	1 47.30	+ 5 17.4	1.387	2.169	19.9	20.7

479973 2014 JJ_{39} 10 28.3 244.°66 0.°1/28.2 18

9 28	2 33.57	+15 31.9	2.010	2.882	11.8	21.2
10 8	2 27.66	+14 47.7	1.929	2.869	8.3	21.0
10 18	2 19.96	+13 52.4	1.874	2.855	4.3	20.7
10 28	2 11.24	+12 50.0	1.848	2.841	0.1	20.3
11 7	2 2.48	+11 46.0	1.851	2.827	4.2	20.7
11 17	1 54.61	+10 46.5	1.882	2.812	8.3	20.9
11 27	1 48.49	+ 9 57.2	1.939	2.797	12.0	21.1
12 7	1 44.63	+ 9 22.1	2.019	2.782	15.1	21.3

493895 2015 XK_{221} 10 28.3 227.°18 3.°6/24.7 17

9 28	2 31.64	+ 1 20.5	2.696	3.577	8.8	22.1
10 8	2 25.87	+ 0 44.0	2.628	3.568	6.4	21.9
10 18	2 18.87	+ 0 9.3	2.587	3.559	4.2	21.8
10 28	2 11.22	− 0 19.7	2.576	3.550	3.7	21.8
11 7	2 3.57	− 0 39.5	2.594	3.540	5.6	21.9
11 17	1 56.58	− 0 47.8	2.641	3.530	8.1	22.0
11 27	1 50.84	− 0 43.0	2.713	3.520	10.6	22.2
12 7	1 46.75	− 0 25.0	2.807	3.509	12.6	22.3

475302 2005 XZ_{69} 10 28.3 330.°59 0.°6/28.6 18

9 28	2 34.43	+15 24.6	1.287	2.178	15.7	20.8
10 8	2 29.03	+15 18.4	1.219	2.166	11.2	20.5
10 18	2 20.95	+14 59.7	1.173	2.155	6.0	20.2
10 28	2 11.27	+14 31.5	1.151	2.145	0.7	19.8
11 7	2 1.48	+13 59.4	1.155	2.135	5.4	20.1
11 17	1 53.04	+13 30.3	1.184	2.126	10.8	20.4
11 27	1 47.19	+13 11.1	1.235	2.118	15.6	20.6
12 7	1 44.60	+13 6.2	1.305	2.111	19.7	20.9

224667 2006 AV_{26} 10 28.3 228.°08 0.°2/28.1 18

9 28	2 32.05	+14 0.2	2.449	3.320	10.0	21.2
10 8	2 26.31	+13 35.7	2.374	3.313	7.0	21.0
10 18	2 19.16	+13 4.2	2.325	3.306	3.6	20.8
10 28	2 11.23	+12 28.6	2.305	3.299	0.2	20.5
11 7	2 3.29	+11 52.5	2.316	3.291	3.6	20.8
11 17	1 56.10	+11 19.8	2.355	3.284	7.0	21.0
11 27	1 50.32	+10 54.3	2.421	3.276	10.1	21.1
12 7	1 46.39	+10 38.5	2.511	3.268	12.6	21.3

359799 2011 UG_{238} 10 28.3 311.°99 1.°4/29.4 18

9 28	2 33.06	+19 8.1	1.832	2.700	12.9	21.5
10 8	2 27.40	+18 44.3	1.763	2.697	9.3	21.3
10 18	2 19.84	+18 6.7	1.717	2.693	5.3	21.1
10 28	2 11.25	+17 18.4	1.699	2.690	1.6	20.8
11 7	2 2.68	+16 24.4	1.708	2.688	4.1	21.0
11 17	1 55.16	+15 30.8	1.746	2.685	8.2	21.2
11 27	1 49.55	+14 43.9	1.809	2.682	12.0	21.5
12 7	1 46.36	+14 8.6	1.894	2.679	15.2	21.7

329208 2012 DX_{55} 10 28.3 161.°93 3.°7/23.7 18

9 28	2 29.71	+ 1 43.8	2.799	3.682	8.5	21.4
10 8	2 24.44	+ 0 32.7	2.746	3.687	6.1	21.3
10 18	2 18.08	− 0 37.1	2.721	3.691	4.1	21.2
10 28	2 11.20	− 1 40.8	2.726	3.696	3.9	21.2
11 7	2 4.40	− 2 34.2	2.761	3.699	5.7	21.3
11 17	1 58.27	− 3 14.1	2.824	3.703	8.0	21.5
11 27	1 53.31	− 3 38.7	2.913	3.706	10.3	21.6
12 7	1 49.88	− 3 47.9	3.024	3.709	12.1	21.8

60433 2000 CZ_{61} 10 28.3 133.°99 3.°8/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.14	+ 4 37.6	2.118	3.005	10.6	19.4
10 8	2 26.35	+ 3 17.3	2.070	3.015	7.4	19.2
10 18	2 19.13	+ 1 56.4	2.048	3.024	4.6	19.1
10 28	2 11.23	+ 0 41.2	2.056	3.033	4.0	19.0
11 7	2 3.49	− 0 22.1	2.092	3.042	6.4	19.2
11 17	1 56.69	− 1 9.4	2.157	3.050	9.5	19.4
11 27	1 51.47	− 1 38.0	2.246	3.058	12.3	19.6
12 7	1 48.23	− 1 47.8	2.355	3.066	14.6	19.8

184888 2005 UW_{226} 10 28.3 98.°56 0.°2/28.1 18

9 28	2 31.89	+14 57.2	2.076	2.951	11.3	20.4
10 8	2 26.31	+14 18.9	2.014	2.955	7.9	20.2
10 18	2 19.18	+13 31.7	1.977	2.958	4.1	20.0
10 28	2 11.24	+12 39.4	1.968	2.962	0.2	19.7
11 7	2 3.39	+11 46.9	1.989	2.965	4.0	20.0
11 17	1 56.47	+10 59.5	2.038	2.969	7.7	20.3
11 27	1 51.20	+10 21.7	2.113	2.972	11.1	20.5
12 7	1 48.01	+ 9 56.5	2.210	2.976	13.9	20.7

487347 2014 QE_{206} 10 28.3 61.°29 4.°1/31.8 18

9 28	2 34.46	+26 23.1	2.073	2.907	13.0	20.9
10 8	2 28.23	+26 33.6	2.012	2.918	10.0	20.7
10 18	2 20.21	+26 27.7	1.974	2.929	6.8	20.5
10 28	2 11.27	+26 5.6	1.963	2.940	4.4	20.4
11 7	2 2.41	+25 30.5	1.980	2.951	4.8	20.4
11 17	1 54.60	+24 47.1	2.026	2.962	7.4	20.6
11 27	1 48.66	+24 1.8	2.097	2.973	10.4	20.8
12 7	1 45.04	+23 20.4	2.192	2.984	13.1	21.0

151230 2001 YG_{114} 10 28.3 343.°51 4.°3/24.9 18

9 28	2 32.23	+ 3 9.2	1.804	2.697	11.8	19.9
10 8	2 26.70	+ 2 18.6	1.747	2.694	8.4	19.6
10 18	2 19.43	+ 1 28.8	1.715	2.692	5.3	19.5
10 28	2 11.25	+ 0 46.0	1.711	2.690	4.5	19.4
11 7	2 3.14	+ 0 15.7	1.734	2.688	7.1	19.6
11 17	1 56.05	+ 0 1.6	1.783	2.686	10.5	19.8
11 27	1 50.77	+ 0 5.8	1.856	2.685	13.8	20.0
12 7	1 47.76	+ 0 27.9	1.948	2.684	16.5	20.2

214675 2006 SZ_{187} 10 28.3 330.°39 0.°3/28.5 17

9 28	2 33.33	+14 31.9	1.499	2.387	14.1	21.0
10 8	2 28.01	+14 27.9	1.426	2.371	10.0	20.7
10 18	2 20.34	+14 13.9	1.375	2.357	5.3	20.4
10 28	2 11.28	+13 52.8	1.350	2.343	0.4	20.0
11 7	2 2.06	+13 29.1	1.351	2.330	5.0	20.3
11 17	1 53.97	+13 8.4	1.378	2.318	9.9	20.6
11 27	1 48.12	+12 56.2	1.429	2.306	14.3	20.8
12 7	1 45.14	+12 56.4	1.499	2.295	18.0	21.0

62621 2000 SC_{350} 10 28.3 356.°16 5.°4/24.6 18

9 28	2 35.10	− 1 49.9	1.914	2.799	11.7	18.9
10 8	2 28.59	− 2 17.2	1.860	2.798	8.6	18.7
10 18	2 20.38	− 2 38.3	1.831	2.798	6.0	18.5
10 28	2 11.28	− 2 48.2	1.829	2.798	5.6	18.5
11 7	2 2.29	− 2 43.2	1.855	2.798	7.7	18.6
11 17	1 54.34	− 2 21.5	1.908	2.797	10.7	18.8
11 27	1 48.20	− 1 43.0	1.984	2.798	13.6	19.0
12 7	1 44.32	− 0 49.3	2.081	2.798	16.1	19.2

518490 2005 WC_{208} 10 28.3 206.°63 2.°7/30.9 18

9 28	2 32.14	+24 7.8	2.231	3.074	11.9	21.3
10 8	2 26.53	+23 43.7	2.157	3.073	8.9	21.1
10 18	2 19.32	+23 4.3	2.107	3.072	5.6	20.9
10 28	2 11.25	+22 11.4	2.085	3.070	2.9	20.7
11 7	2 3.23	+21 9.3	2.093	3.069	3.8	20.8
11 17	1 56.10	+20 3.5	2.129	3.067	7.0	21.0
11 27	1 50.62	+19 0.1	2.192	3.066	10.1	21.2
12 7	1 47.22	+18 4.7	2.279	3.064	12.9	21.4

467713 2009 BJ_{21} 10 28.3 130.°01 2.°0/29.6 17

9 28	2 37.98	+20 24.1	1.355	2.228	16.3	20.9
10 8	2 31.24	+19 55.2	1.299	2.234	11.8	20.6
10 18	2 21.95	+19 7.2	1.264	2.240	6.8	20.4
10 28	2 11.33	+18 3.6	1.254	2.246	2.2	20.1
11 7	2 0.89	+16 52.0	1.271	2.251	5.1	20.3
11 17	1 52.04	+15 41.6	1.315	2.256	10.1	20.6
11 27	1 45.85	+14 41.5	1.382	2.261	14.6	20.9
12 7	1 42.84	+13 57.8	1.470	2.266	18.3	21.2

333455 2004 FE_{66} 10 28.3 167.°90 10.°8/ 6.2 18

9 28	2 47.12	+44 3.8	2.039	2.756	17.0	21.1
10 8	2 37.91	+45 17.1	1.966	2.761	14.9	21.0
10 18	2 25.63	+46 2.7	1.913	2.766	12.9	20.9
10 28	2 11.45	+46 14.5	1.883	2.769	11.3	20.8
11 7	1 57.03	+45 51.4	1.878	2.772	10.8	20.8
11 17	1 44.09	+44 57.6	1.899	2.774	11.5	20.8
11 27	1 34.05	+43 42.5	1.943	2.775	13.1	20.9
12 7	1 27.61	+42 17.7	2.010	2.776	15.1	21.1

112315 2002 LA_{59} 10 28.3 77°.33 9°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.20	−10 50.5	1.677	2.552	13.5	19.5
10 8	2 29.40	−11 49.5	1.643	2.561	11.1	19.4
10 18	2 20.77	−12 32.6	1.633	2.570	9.5	19.3
10 28	2 11.30	−12 52.6	1.649	2.579	9.7	19.4
11 7	2 2.12	−12 45.7	1.689	2.588	11.5	19.5
11 17	1 54.25	−12 11.4	1.753	2.597	13.9	19.7
11 27	1 48.45	−11 12.6	1.838	2.606	16.3	19.9
12 7	1 45.13	− 9 53.8	1.941	2.614	18.4	20.1

242922 2006 PZ_{1} 10 28.3 61°.84 1°.5/29.5 18

9 28	2 33.75	+19 41.8	1.682	2.551	13.8	20.5
10 8	2 27.87	+19 11.4	1.628	2.562	9.9	20.2
10 18	2 20.05	+18 26.1	1.598	2.574	5.6	20.0
10 28	2 11.28	+17 29.5	1.594	2.586	1.7	19.8
11 7	2 2.70	+16 27.8	1.618	2.597	4.2	20.0
11 17	1 55.36	+15 27.8	1.669	2.609	8.4	20.3
11 27	1 50.10	+14 36.2	1.746	2.621	12.2	20.5
12 7	1 47.36	+13 57.7	1.845	2.633	15.4	20.8

433601 2013 YK_{63} 10 28.3 25°.06 0°.7/27.9 18

9 28	2 33.13	+13 58.9	1.120	2.022	16.7	20.0
10 8	2 27.98	+13 23.5	1.079	2.032	11.6	19.7
10 18	2 20.27	+12 35.8	1.058	2.043	5.9	19.4
10 28	2 11.29	+11 42.3	1.061	2.054	0.7	19.1
11 7	2 2.59	+10 51.5	1.089	2.067	6.0	19.5
11 17	1 55.58	+10 11.2	1.140	2.081	11.3	19.9
11 27	1 51.28	+ 9 47.5	1.213	2.096	15.9	20.2
12 7	1 50.13	+ 9 42.9	1.305	2.111	19.6	20.5

139131 2001 FB_{72} 10 28.3 269°.38 3°.6/25.9 18

9 28	2 35.45	+ 7 9.5	1.467	2.362	13.9	19.9
10 8	2 29.40	+ 6 15.2	1.401	2.351	9.8	19.6
10 18	2 21.03	+ 5 16.2	1.358	2.339	5.5	19.4
10 28	2 11.32	+ 4 19.5	1.341	2.327	3.7	19.2
11 7	2 1.57	+ 3 32.8	1.350	2.315	7.3	19.4
11 17	1 53.04	+ 3 2.4	1.386	2.303	11.8	19.6
11 27	1 46.79	+ 2 52.3	1.444	2.291	16.0	19.9
12 7	1 43.42	+ 3 3.3	1.520	2.279	19.4	20.1

136221 2003 WW_{80} 10 28.3 49°.33 2°.0/29.5 17

9 28	2 38.91	+19 5.2	1.041	1.930	18.8	19.2
10 8	2 31.96	+18 52.8	1.013	1.956	13.4	19.0
10 18	2 22.25	+18 21.3	1.004	1.983	7.5	18.7
10 28	2 11.35	+17 35.2	1.019	2.011	2.2	18.5
11 7	2 1.09	+16 42.8	1.059	2.039	5.6	18.8
11 17	1 52.96	+15 53.5	1.122	2.068	10.9	19.2
11 27	1 47.96	+15 15.5	1.208	2.096	15.5	19.6
12 7	1 46.39	+14 53.5	1.312	2.125	19.2	19.9

123929 2001 EM_{6} 10 28.3 259°.96 6°.7/20.7 18

9 28	2 30.18	− 6 44.1	2.344	3.223	10.0	19.8
10 8	2 25.03	− 8 8.3	2.286	3.212	8.0	19.7
10 18	2 18.51	− 9 25.5	2.255	3.200	6.8	19.6
10 28	2 11.25	−10 29.1	2.252	3.187	7.2	19.6
11 7	2 4.01	−11 14.0	2.276	3.175	8.9	19.7
11 17	1 57.51	−11 37.2	2.325	3.163	11.1	19.8
11 27	1 52.40	−11 38.0	2.397	3.150	13.3	20.0
12 7	1 49.09	−11 18.0	2.487	3.137	15.2	20.1

409692 2006 AD_{101} 10 28.3 117°.62 4°.7/ 1.9 17

9 28	2 33.77	+29 53.1	2.351	3.163	12.4	21.1
10 8	2 27.68	+29 57.6	2.280	3.168	9.8	20.9
10 18	2 19.93	+29 44.7	2.232	3.173	7.1	20.8
10 28	2 11.30	+29 14.5	2.212	3.178	5.0	20.7
11 7	2 2.72	+28 29.7	2.219	3.183	5.0	20.7
11 17	1 55.06	+27 34.8	2.256	3.187	7.1	20.8
11 27	1 49.10	+26 36.2	2.319	3.192	9.7	21.0
12 7	1 45.30	+25 40.0	2.406	3.197	12.2	21.2

5066 Garradd 10 28.3 88°.13 28°.0/ 9.7 18

9 28	3 19.79	−58 25.9	1.328	1.915	29.5	17.4
10 8	2 59.32	−58 47.3	1.340	1.934	28.9	17.4
10 18	2 35.31	−58 3.5	1.359	1.953	28.4	17.5
10 28	2 11.70	−56 7.3	1.387	1.972	28.1	17.5
11 7	1 51.86	−53 3.7	1.426	1.991	28.0	17.6
11 17	1 37.46	−49 6.4	1.477	2.009	28.0	17.7
11 27	1 28.71	−44 32.0	1.540	2.026	28.1	17.8
12 7	1 24.92	−39 37.0	1.615	2.044	28.3	17.9

270903 2002 TO_{303} 10 28.3 336°.28 1°.5/29.6 17

9 28	2 33.29	+18 35.4	2.315	3.174	10.9	21.0
10 8	2 27.29	+18 39.4	2.243	3.172	7.9	20.8
10 18	2 19.73	+18 33.8	2.197	3.171	4.6	20.6
10 28	2 11.31	+18 20.0	2.179	3.170	1.6	20.4
11 7	2 2.88	+18 0.7	2.191	3.169	3.5	20.5
11 17	1 55.28	+17 39.5	2.232	3.168	6.8	20.8
11 27	1 49.23	+17 20.4	2.299	3.167	10.0	21.0
12 7	1 45.20	+17 7.2	2.390	3.166	12.7	21.1

514675 2005 UD_{522} 10 28.3 82°.78 3°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 30.70	+ 4 35.5	2.014	2.905	10.9	21.7
10 8	2 25.47	+ 3 17.7	1.961	2.909	7.6	21.5
10 18	2 18.75	+ 1 59.0	1.935	2.912	4.7	21.4
10 28	2 11.28	+ 0 46.0	1.937	2.915	4.2	21.3
11 7	2 3.93	− 0 15.0	1.967	2.919	6.6	21.5
11 17	1 57.50	− 0 59.6	2.025	2.922	9.8	21.7
11 27	1 52.67	− 1 25.0	2.107	2.926	12.7	21.9
12 7	1 49.86	− 1 31.1	2.209	2.929	15.2	22.1

511063 2013 SY_{86} 10 28.3 8°.11 7°.3/25.6 18

9 28	2 34.64	− 0 22.1	0.869	1.789	18.3	19.7
10 8	2 29.49	− 0 38.0	0.832	1.790	13.4	19.4
10 18	2 21.23	− 0 43.6	0.813	1.792	8.8	19.2
10 28	2 11.36	− 0 30.6	0.816	1.797	7.5	19.2
11 7	2 1.78	+ 0 6.0	0.840	1.804	10.8	19.4
11 17	1 54.20	+ 1 6.8	0.885	1.812	15.6	19.7
11 27	1 49.84	+ 2 28.9	0.948	1.823	20.0	20.0
12 7	1 49.16	+ 4 7.5	1.028	1.835	23.7	20.3

517408 2014 LE_{23} 10 28.3 178°.49 3°.0/31.5 18

9 28	2 34.06	+26 4.0	2.391	3.220	11.7	22.1
10 8	2 27.78	+25 34.0	2.315	3.222	8.8	22.0
10 18	2 19.96	+24 47.8	2.265	3.223	5.8	21.8
10 28	2 11.33	+23 47.2	2.242	3.224	3.3	21.6
11 7	2 2.77	+22 36.3	2.249	3.224	3.9	21.7
11 17	1 55.13	+21 20.6	2.287	3.223	6.7	21.8
11 27	1 49.10	+20 6.7	2.352	3.222	9.7	22.0
12 7	1 45.14	+19 0.3	2.442	3.221	12.3	22.2

45077 1999 XU_{39} 10 28.3 40°.89 2°.7/26.5 18

9 28	2 33.33	+11 22.0	1.174	2.078	15.9	18.2
10 8	2 27.99	+10 3.8	1.133	2.088	11.0	18.0
10 18	2 20.24	+ 8 36.0	1.114	2.099	5.7	17.7
10 28	2 11.34	+ 7 8.2	1.120	2.111	2.8	17.6
11 7	2 2.75	+ 5 51.1	1.151	2.123	7.1	17.9
11 17	1 55.79	+ 4 53.0	1.207	2.136	12.1	18.2
11 27	1 51.41	+ 4 19.0	1.284	2.149	16.4	18.5
12 7	1 50.03	+ 4 9.8	1.379	2.163	19.9	18.8

136060 2002 XD_{73} 10 28.3 40°.50 1°.0/27.8 18

9 28	2 37.35	+10 45.0	1.443	2.332	14.5	18.4
10 8	2 30.47	+10 49.8	1.402	2.350	10.0	18.1
10 18	2 21.44	+10 49.2	1.385	2.368	5.1	17.9
10 28	2 11.38	+10 46.3	1.394	2.387	1.0	17.7
11 7	2 1.61	+10 45.1	1.429	2.406	5.2	18.0
11 17	1 53.34	+10 49.4	1.492	2.426	9.8	18.3
11 27	1 47.46	+11 2.4	1.578	2.446	13.7	18.6
12 7	1 44.41	+11 25.8	1.684	2.466	16.9	18.9

58051 2002 YY_{2} 10 28.3 315°.49 1°.3/29.1 18

9 28	2 34.42	+17 57.3	1.349	2.233	15.6	18.6
10 8	2 28.98	+17 39.8	1.279	2.221	11.3	18.3
10 18	2 20.95	+17 6.2	1.230	2.209	6.3	18.0
10 28	2 11.37	+16 19.5	1.206	2.198	1.5	17.6
11 7	2 1.67	+15 26.0	1.207	2.187	5.2	17.8
11 17	1 53.30	+14 33.8	1.234	2.177	10.4	18.1
11 27	1 47.44	+13 51.2	1.285	2.167	15.2	18.4
12 7	1 44.76	+13 23.9	1.354	2.158	19.2	18.6

265631 2005 SY_{221} 10 28.3 79°.45 6°.7/24.2 18

9 28	2 38.09	− 1 25.3	1.440	2.333	14.3	19.9
10 8	2 30.76	− 2 28.1	1.415	2.357	10.5	19.8
10 18	2 21.47	− 3 22.7	1.413	2.381	7.4	19.7
10 28	2 11.38	− 4 1.2	1.437	2.404	7.0	19.7
11 7	2 1.76	− 4 18.5	1.487	2.428	9.4	19.9
11 17	1 53.72	− 4 12.6	1.562	2.451	12.7	20.2
11 27	1 48.03	− 3 44.3	1.659	2.473	15.8	20.4
12 7	1 45.04	− 2 56.9	1.775	2.496	18.4	20.7

186641 2003 LL_{4} 10 28.3 102°.85 7°.1/21.5 18

9 28	2 32.94	− 9 48.8	2.363	3.232	10.4	20.2
10 8	2 26.74	−10 49.1	2.335	3.249	8.4	20.1
10 18	2 19.30	−11 38.2	2.333	3.267	7.2	20.0
10 28	2 11.32	−12 10.9	2.358	3.284	7.4	20.1
11 7	2 3.56	−12 24.0	2.411	3.301	8.8	20.2
11 17	1 56.72	−12 16.6	2.489	3.318	10.8	20.4
11 27	1 51.36	−11 49.5	2.589	3.334	12.6	20.5
12 7	1 47.83	−11 5.3	2.709	3.350	14.3	20.7

57805 2001 VA_{119} 10 28.3 267°.63 0°.4/27.9 18

9 28	2 33.31	+13 25.4	1.990	2.867	11.6	19.6
10 8	2 27.44	+13 1.9	1.922	2.865	8.1	19.4
10 18	2 19.85	+12 30.9	1.880	2.862	4.2	19.1
10 28	2 11.34	+11 55.6	1.866	2.859	0.4	18.8
11 7	2 2.85	+11 20.5	1.881	2.857	4.2	19.1
11 17	1 55.31	+10 50.2	1.923	2.854	8.2	19.4
11 27	1 49.50	+10 28.9	1.992	2.851	11.7	19.6
12 7	1 45.91	+10 19.3	2.082	2.849	14.6	19.8

46159 2001 FO_{73} 10 28.3 136°.52 2°.0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 30.91	+ 8 9.3	2.509	3.390	9.4	19.9
10 8	2 25.41	+ 7 25.0	2.452	3.396	6.5	19.7
10 18	2 18.66	+ 6 38.0	2.422	3.403	3.5	19.5
10 28	2 11.31	+ 5 52.3	2.421	3.409	2.1	19.4
11 7	2 4.04	+ 5 11.9	2.450	3.415	4.5	19.6
11 17	1 57.54	+ 4 40.4	2.508	3.421	7.5	19.8
11 27	1 52.38	+ 4 20.3	2.593	3.426	10.2	20.0
12 7	1 48.93	+ 4 13.0	2.699	3.432	12.4	20.2

224893 2007 CJ_{19} 10 28.3 299°.13 1°.1/27.7 18

9 28	2 37.78	+11 11.4	1.436	2.324	14.6	20.2
10 8	2 31.13	+11 6.0	1.370	2.317	10.2	20.0
10 18	2 21.99	+10 54.0	1.328	2.311	5.3	19.7
10 28	2 11.42	+10 39.0	1.311	2.304	1.1	19.4
11 7	2 0.79	+10 25.7	1.321	2.298	5.6	19.7
11 17	1 51.48	+10 19.0	1.358	2.291	10.6	19.9
11 27	1 44.61	+10 23.2	1.418	2.285	15.0	20.2
12 7	1 40.80	+10 40.8	1.498	2.279	18.7	20.4

126733 2002 CX_{272} 10 28.3 89°.84 5°.6/24.6 18

9 28	2 37.12	− 0 40.8	1.721	2.607	12.7	19.2
10 8	2 29.95	− 1 25.5	1.687	2.627	9.2	19.0
10 18	2 21.05	− 2 4.1	1.677	2.647	6.3	18.9
10 28	2 11.39	− 2 30.8	1.696	2.666	5.8	18.9
11 7	2 2.06	− 2 41.2	1.741	2.685	8.0	19.1
11 17	1 54.04	− 2 33.3	1.813	2.703	11.1	19.3
11 27	1 48.06	− 2 7.0	1.908	2.722	14.1	19.6
12 7	1 44.49	− 1 24.4	2.023	2.740	16.5	19.8

450507 2006 AE_{13} 10 28.3 274°.65 6°.6/22.8 18

9 28	2 33.37	− 6 22.3	2.140	3.018	10.9	21.3
10 8	2 27.32	− 7 7.7	2.085	3.012	8.5	21.2
10 18	2 19.74	− 7 44.4	2.055	3.007	6.8	21.1
10 28	2 11.37	− 8 7.0	2.053	3.001	6.9	21.1
11 7	2 3.06	− 8 11.3	2.078	2.995	8.6	21.2
11 17	1 55.65	− 7 55.8	2.129	2.989	11.1	21.3
11 27	1 49.84	− 7 20.7	2.203	2.984	13.5	21.5
12 7	1 46.06	− 6 28.1	2.297	2.978	15.6	21.6

64108 2001 TU_{8} 10 28.3 12°.48 4°.6/31.6 18

9 28	2 33.90	+25 44.6	1.319	2.182	17.3	17.4
10 8	2 28.61	+25 36.5	1.260	2.184	13.2	17.2
10 18	2 20.72	+25 3.8	1.221	2.186	8.7	16.9
10 28	2 11.40	+24 7.9	1.206	2.189	5.0	16.7
11 7	2 2.18	+22 55.1	1.216	2.193	5.8	16.8
11 17	1 54.48	+21 35.1	1.251	2.197	9.9	17.0
11 27	1 49.44	+20 18.8	1.309	2.202	14.2	17.3
12 7	1 47.58	+19 14.9	1.388	2.208	18.0	17.6

383040 2005 QW_{19} 10 28.3 31°.16 2°.4/26.9 18

9 28	2 33.39	+10 59.6	1.023	1.934	17.1	19.8
10 8	2 28.18	+10 7.8	0.992	1.949	11.8	19.5
10 18	2 20.39	+ 9 7.8	0.981	1.966	6.0	19.3
10 28	2 11.39	+ 8 8.2	0.993	1.985	2.5	19.1
11 7	2 2.84	+ 7 18.4	1.029	2.004	7.1	19.5
11 17	1 56.12	+ 6 45.5	1.088	2.024	12.3	19.9
11 27	1 52.20	+ 6 33.8	1.168	2.046	16.8	20.2
12 7	1 51.46	+ 6 43.4	1.266	2.068	20.4	20.5

238608 2005 AW_{80} 10 28.3 110°.07 2°.6/26.1 18

9 28	2 35.41	+ 6 57.6	2.094	2.975	11.0	21.0
10 8	2 28.60	+ 6 14.2	2.052	2.996	7.6	20.8
10 18	2 20.33	+ 5 29.1	2.036	3.016	4.2	20.6
10 28	2 11.40	+ 4 47.1	2.050	3.036	2.7	20.6
11 7	2 2.73	+ 4 12.8	2.093	3.056	5.3	20.8
11 17	1 55.10	+ 3 49.5	2.165	3.075	8.6	21.0
11 27	1 49.19	+ 3 39.7	2.262	3.093	11.5	21.2
12 7	1 45.35	+ 3 43.9	2.380	3.111	14.0	21.4

412285 2013 JT_{18} 10 28.3 96°.88 1°.6/26.9 18

9 28	2 33.15	+ 9 10.0	2.215	3.095	10.5	21.0
10 8	2 27.10	+ 8 45.2	2.161	3.105	7.2	20.9
10 18	2 19.60	+ 8 17.1	2.133	3.114	3.8	20.7
10 28	2 11.39	+ 7 49.3	2.133	3.124	1.7	20.5
11 7	2 3.30	+ 7 25.6	2.163	3.133	4.5	20.7
11 17	1 56.11	+ 7 9.4	2.221	3.142	7.8	21.0
11 27	1 50.48	+ 7 3.2	2.306	3.151	10.8	21.2
12 7	1 46.82	+ 7 8.4	2.413	3.160	13.4	21.4

520307 2014 FQ_{75} 10 28.3 192°.74 1°.6/27.0 18

9 28	2 34.20	+10 27.7	2.006	2.886	11.4	21.8
10 8	2 28.02	+ 9 49.9	1.941	2.885	7.9	21.6
10 18	2 20.16	+ 9 6.6	1.902	2.884	4.1	21.4
10 28	2 11.41	+ 8 22.1	1.891	2.882	1.6	21.2
11 7	2 2.71	+ 7 41.4	1.909	2.880	4.8	21.4
11 17	1 54.97	+ 7 9.1	1.956	2.878	8.6	21.6
11 27	1 48.96	+ 6 48.8	2.028	2.875	12.0	21.9
12 7	1 45.15	+ 6 42.6	2.122	2.873	14.8	22.1

382018 2011 BT_{53} 10 28.3 248°.64 1°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.18	+11 49.4	1.607	2.492	13.5	22.0
10 8	2 29.85	+11 11.2	1.535	2.481	9.5	21.7
10 18	2 21.29	+10 24.4	1.487	2.470	4.9	21.4
10 28	2 11.45	+ 9 33.6	1.466	2.459	1.4	21.2
11 7	2 1.54	+ 8 45.4	1.473	2.447	5.6	21.4
11 17	1 52.78	+ 8 6.2	1.507	2.435	10.2	21.7
11 27	1 46.18	+ 7 41.1	1.565	2.422	14.4	21.9
12 7	1 42.34	+ 7 33.1	1.643	2.410	17.9	22.1

485610 2011 UV_{312} 10 28.3 324°.35 0°.8/27.8 17

9 28	2 31.48	+13 49.3	1.549	2.439	13.6	21.6
10 8	2 26.64	+13 8.6	1.476	2.424	9.6	21.3
10 18	2 19.64	+12 16.6	1.427	2.410	4.9	21.0
10 28	2 11.40	+11 18.3	1.403	2.396	0.8	20.7
11 7	2 3.07	+10 20.4	1.406	2.383	5.2	21.0
11 17	1 55.83	+ 9 30.2	1.436	2.370	10.0	21.2
11 27	1 50.68	+ 8 53.9	1.489	2.359	14.3	21.4
12 7	1 48.20	+ 8 35.1	1.561	2.347	17.8	21.7

897 Lysistrata 10 28.3 105°.61 5°.4/ 2.4 18

9 28	2 35.61	+31 28.9	1.779	2.597	15.5	14.5
10 8	2 29.29	+31 3.0	1.715	2.607	12.2	14.4
10 18	2 20.89	+30 11.9	1.673	2.616	8.8	14.2
10 28	2 11.44	+28 56.7	1.656	2.626	5.9	14.0
11 7	2 2.19	+27 23.0	1.667	2.635	5.8	14.0
11 17	1 54.29	+25 39.5	1.706	2.644	8.4	14.2
11 27	1 48.63	+23 56.4	1.771	2.653	11.7	14.4
12 7	1 45.66	+22 22.6	1.859	2.661	14.8	14.7

518029 2015 VH_{157} 10 28.3 261°.32 5°.1/23.3 18

9 28	2 30.76	− 0 50.0	2.206	3.093	10.2	21.5
10 8	2 25.50	− 1 56.7	2.149	3.088	7.5	21.4
10 18	2 18.82	− 3 0.1	2.117	3.083	5.5	21.2
10 28	2 11.39	− 3 54.0	2.114	3.078	5.4	21.2
11 7	2 4.02	− 4 33.6	2.139	3.073	7.4	21.3
11 17	1 57.45	− 4 55.5	2.191	3.068	10.1	21.5
11 27	1 52.35	− 4 58.3	2.266	3.062	12.7	21.7
12 7	1 49.15	− 4 42.6	2.361	3.057	14.9	21.8

231382 2006 JB_{36} 10 28.3 218°.72 2°.9/25.5 17

9 28	2 31.89	+ 3 51.7	2.614	3.495	9.1	21.1
10 8	2 26.12	+ 3 23.2	2.549	3.491	6.4	20.9
10 18	2 19.10	+ 2 55.1	2.510	3.486	3.8	20.8
10 28	2 11.40	+ 2 31.1	2.500	3.482	3.0	20.7
11 7	2 3.74	+ 2 14.4	2.521	3.477	5.0	20.8
11 17	1 56.77	+ 2 7.4	2.570	3.472	7.8	21.0
11 27	1 51.09	+ 2 12.0	2.645	3.467	10.3	21.2
12 7	1 47.10	+ 2 28.4	2.743	3.461	12.6	21.3

77615 2001 KN_{37} 10 28.3 189°.15 4°.6/24.7 18

9 28	2 35.45	+ 0 6.4	2.143	3.024	10.8	19.4
10 8	2 28.77	− 0 31.8	2.085	3.024	7.8	19.3
10 18	2 20.52	− 1 6.3	2.053	3.023	5.3	19.1
10 28	2 11.45	− 1 32.5	2.049	3.021	4.8	19.1
11 7	2 2.47	− 1 46.1	2.075	3.019	6.9	19.2
11 17	1 54.41	− 1 44.7	2.128	3.017	9.8	19.4
11 27	1 48.00	− 1 27.2	2.206	3.014	12.6	19.6
12 7	1 43.67	− 0 54.6	2.304	3.011	15.0	19.7

319114 2005 XC_{27} 10 28.3 21°.40 2°.2/29.7 18

9 28	2 33.94	+19 40.4	1.200	2.086	17.0	20.3
10 8	2 28.65	+19 27.5	1.150	2.092	12.3	20.0
10 18	2 20.74	+18 56.1	1.121	2.099	7.1	19.8
10 28	2 11.45	+18 9.4	1.116	2.107	2.4	19.5
11 7	2 2.35	+17 14.6	1.136	2.116	5.2	19.7
11 17	1 54.87	+16 20.6	1.180	2.126	10.4	20.1
11 27	1 50.10	+15 36.0	1.247	2.137	15.0	20.4
12 7	1 48.54	+15 6.3	1.333	2.148	18.8	20.6

510302 2011 QS_{19} 10 28.3 108°.15 2°.8/30.8 18

9 28	2 35.98	+23 49.8	1.955	2.800	13.2	21.9
10 8	2 29.26	+23 24.4	1.900	2.818	9.8	21.7
10 18	2 20.78	+22 42.5	1.869	2.835	6.1	21.5
10 28	2 11.46	+21 46.4	1.866	2.852	3.0	21.3
11 7	2 2.37	+20 41.4	1.892	2.869	4.1	21.4
11 17	1 54.47	+19 33.9	1.946	2.885	7.5	21.7
11 27	1 48.53	+18 30.8	2.028	2.901	10.9	21.9
12 7	1 44.96	+17 37.6	2.132	2.916	13.8	22.2

436441 2011 CD_{25} 10 28.3 260°.80 1°.3/27.4 18

9 28	2 35.09	+13 2.8	1.558	2.444	13.8	22.0
10 8	2 29.16	+12 11.5	1.485	2.432	9.7	21.7
10 18	2 20.98	+11 8.9	1.435	2.419	5.0	21.4
10 28	2 11.48	+10 0.6	1.413	2.405	1.3	21.1
11 7	2 1.91	+ 8 54.1	1.417	2.392	5.6	21.4
11 17	1 53.49	+ 7 57.1	1.449	2.378	10.4	21.7
11 27	1 47.26	+ 7 16.0	1.504	2.364	14.7	21.9
12 7	1 43.83	+ 6 54.0	1.579	2.350	18.3	22.1

411569 2011 DD_{48} 10 28.3 283°.64 3°.5/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.16	+24 41.0	2.314	3.150	11.7	21.6
10 8	2 28.13	+24 54.4	2.224	3.134	9.0	21.4
10 18	2 20.34	+24 54.3	2.159	3.117	6.0	21.2
10 28	2 11.46	+24 40.5	2.121	3.100	3.7	21.0
11 7	2 2.43	+24 14.9	2.111	3.084	4.3	21.1
11 17	1 54.16	+23 41.5	2.131	3.067	7.2	21.2
11 27	1 47.50	+23 5.5	2.178	3.050	10.3	21.4
12 7	1 43.01	+22 32.2	2.248	3.033	13.1	21.5

246628 2008 WR_{91} 10 28.3 293°.75 1°.2/29.3 18

9 28	2 33.96	+18 17.9	1.706	2.578	13.5	21.0
10 8	2 28.25	+17 56.0	1.633	2.570	9.7	20.8
10 18	2 20.45	+17 20.3	1.584	2.562	5.4	20.5
10 28	2 11.47	+16 33.7	1.561	2.553	1.4	20.2
11 7	2 2.44	+15 41.5	1.566	2.545	4.4	20.4
11 17	1 54.50	+14 50.2	1.598	2.537	8.8	20.6
11 27	1 48.61	+14 6.4	1.656	2.530	12.9	20.9
12 7	1 45.33	+13 35.0	1.734	2.522	16.3	21.1

401087 2011 UV_{132} 10 28.3 64°.15 1°.0/29.2 18

9 28	2 32.88	+18 39.1	1.859	2.728	12.7	21.1
10 8	2 27.26	+18 2.2	1.794	2.729	9.1	20.9
10 18	2 19.83	+17 11.8	1.753	2.730	5.0	20.6
10 28	2 11.45	+16 11.7	1.739	2.731	1.1	20.3
11 7	2 3.14	+15 7.4	1.753	2.733	4.0	20.6
11 17	1 55.89	+14 5.4	1.796	2.734	8.1	20.8
11 27	1 50.51	+13 12.1	1.865	2.735	11.8	21.1
12 7	1 47.46	+12 31.9	1.955	2.736	14.9	21.3

268409 2005 UJ_{293} 10 28.3 126°.41 1°.6/29.6 18

9 28	2 37.27	+19 42.4	1.830	2.690	13.3	21.3
10 8	2 30.25	+19 17.8	1.774	2.704	9.6	21.1
10 18	2 21.34	+18 39.3	1.743	2.717	5.5	20.9
10 28	2 11.50	+17 49.8	1.739	2.730	1.7	20.7
11 7	2 1.86	+16 54.6	1.764	2.743	4.1	20.9
11 17	1 53.45	+16 0.0	1.818	2.755	8.1	21.2
11 27	1 47.10	+15 12.3	1.898	2.766	11.8	21.4
12 7	1 43.26	+14 36.0	2.000	2.776	14.8	21.6

450136 1995 SZ_{57} 10 28.3 45°.04 2°.0/29.8 17

9 28	2 34.60	+19 35.3	1.878	2.741	12.9	21.7
10 8	2 28.47	+19 35.0	1.815	2.746	9.4	21.5
10 18	2 20.47	+19 22.1	1.777	2.751	5.5	21.3
10 28	2 11.47	+18 58.4	1.766	2.756	2.1	21.1
11 7	2 2.54	+18 27.6	1.784	2.762	4.0	21.2
11 17	1 54.69	+17 54.7	1.829	2.768	7.9	21.5
11 27	1 48.75	+17 25.3	1.900	2.774	11.4	21.7
12 7	1 45.24	+17 3.7	1.993	2.780	14.5	21.9

514503 2016 WD_{24} 10 28.3 130°.51 7°.9/ 3.7 18

9 28	2 39.52	+35 32.4	1.853	2.642	16.1	21.0
10 8	2 32.30	+36 9.3	1.785	2.647	13.3	20.8
10 18	2 22.62	+36 21.2	1.737	2.652	10.5	20.7
10 28	2 11.55	+36 5.5	1.714	2.657	8.4	20.6
11 7	2 0.46	+35 23.7	1.717	2.662	8.0	20.6
11 17	1 50.71	+34 21.7	1.747	2.667	9.6	20.7
11 27	1 43.41	+33 8.5	1.802	2.671	12.2	20.8
12 7	1 39.13	+31 54.0	1.879	2.676	14.9	21.0

209520 2004 RS_{336} 10 28.3 254°.30 2°.6/29.8 17

9 28	2 39.05	+20 0.8	1.350	2.222	16.4	20.4
10 8	2 32.31	+20 5.1	1.282	2.216	12.1	20.1
10 18	2 22.77	+19 52.2	1.235	2.210	7.1	19.8
10 28	2 11.55	+19 23.2	1.213	2.204	2.8	19.5
11 7	2 0.24	+18 42.9	1.218	2.197	5.3	19.7
11 17	1 50.39	+17 58.7	1.249	2.191	10.4	19.9
11 27	1 43.27	+17 19.2	1.303	2.184	15.1	20.2
12 7	1 39.56	+16 51.4	1.376	2.177	19.1	20.5

317463 2002 RF_{123} 10 28.3 358°.58 5°.2/25.9 18

9 28	2 34.32	+ 3 55.2	1.036	1.949	16.7	19.2
10 8	2 29.14	+ 3 25.4	0.988	1.945	11.9	18.9
10 18	2 21.10	+ 2 57.4	0.960	1.942	7.1	18.7
10 28	2 11.51	+ 2 39.1	0.955	1.941	5.3	18.6
11 7	2 2.02	+ 2 37.4	0.974	1.941	9.0	18.8
11 17	1 54.22	+ 2 56.3	1.014	1.942	14.0	19.1
11 27	1 49.31	+ 3 36.9	1.075	1.945	18.5	19.4
12 7	1 47.83	+ 4 37.1	1.152	1.949	22.3	19.6

512 Taurinensis 10 28.3 20°.97 11°.8/23.8 18 R

9 28	2 32.99	− 6 17.6	0.729	1.654	20.1	12.1
10 8	2 28.34	− 7 18.1	0.712	1.666	15.7	11.9
10 18	2 20.58	− 7 55.5	0.713	1.681	12.4	11.8
10 28	2 11.48	− 7 58.1	0.732	1.697	12.1	11.9
11 7	2 3.04	− 7 21.5	0.770	1.716	14.8	12.1
11 17	1 56.87	− 6 8.6	0.827	1.737	18.6	12.4
11 27	1 53.98	− 4 26.7	0.900	1.759	22.2	12.7
12 7	1 54.64	− 2 25.1	0.987	1.783	25.3	13.1

228177 2009 SK_{275} 10 28.3 13°.96 0°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.07	+14 4.0	1.766	2.648	12.6	20.0
10 8	2 27.44	+13 56.0	1.707	2.651	8.9	19.8
10 18	2 19.95	+13 39.9	1.673	2.655	4.6	19.5
10 28	2 11.47	+13 18.5	1.665	2.659	0.2	19.2
11 7	2 3.07	+12 56.1	1.686	2.664	4.3	19.5
11 17	1 55.75	+12 37.2	1.733	2.669	8.5	19.8
11 27	1 50.34	+12 26.0	1.805	2.675	12.2	20.1
12 7	1 47.33	+12 25.3	1.899	2.682	15.2	20.3

160058 1999 VV_{36} 10 28.3 30°.84 3°.6/26.6 18

9 28	2 35.78	+ 6 23.7	1.078	1.987	16.6	18.3
10 8	2 29.67	+ 6 2.0	1.054	2.010	11.5	18.1
10 18	2 21.11	+ 5 39.7	1.050	2.034	6.2	17.9
10 28	2 11.51	+ 5 23.3	1.070	2.059	3.7	17.9
11 7	2 2.44	+ 5 18.4	1.115	2.086	7.5	18.2
11 17	1 55.24	+ 5 28.4	1.183	2.113	12.1	18.5
11 27	1 50.80	+ 5 54.7	1.272	2.142	16.2	18.9
12 7	1 49.45	+ 6 36.2	1.380	2.171	19.5	19.2

319460 2006 NJ 10 28.3 39°.23 0°.1/28.3 17

9 28	2 38.06	+13 44.7	1.021	1.921	18.0	20.2
10 8	2 31.58	+13 41.0	0.986	1.938	12.6	20.0
10 18	2 22.25	+13 25.7	0.971	1.955	6.5	19.7
10 28	2 11.55	+13 3.2	0.980	1.974	0.2	19.3
11 7	2 1.30	+12 40.3	1.013	1.993	6.0	19.8
11 17	1 53.07	+12 23.8	1.070	2.013	11.6	20.2
11 27	1 47.93	+12 19.2	1.147	2.033	16.4	20.5
12 7	1 46.29	+12 29.2	1.243	2.054	20.2	20.8

168834 2000 SB_{352} 10 28.3 70°.80 2°.5/26.9 18

9 28	2 37.88	+ 9 53.2	1.223	2.120	15.9	19.8
10 8	2 31.13	+ 9 9.8	1.182	2.134	11.0	19.6
10 18	2 21.92	+ 8 20.2	1.164	2.148	5.7	19.3
10 28	2 11.54	+ 7 31.2	1.172	2.163	2.6	19.2
11 7	2 1.52	+ 6 50.5	1.205	2.177	6.8	19.5
11 17	1 53.21	+ 6 24.3	1.263	2.192	11.7	19.8
11 27	1 47.60	+ 6 16.5	1.343	2.206	16.0	20.1
12 7	1 45.11	+ 6 27.7	1.441	2.220	19.4	20.4

227742 2006 GQ_{49} 10 28.3 245°.83 1°.1/27.4 17

9 28	2 33.07	+10 16.7	2.583	3.456	9.4	20.6
10 8	2 27.06	+10 1.0	2.503	3.444	6.6	20.4
10 18	2 19.67	+ 9 41.7	2.450	3.431	3.4	20.2
10 28	2 11.49	+ 9 21.1	2.427	3.419	1.1	20.0
11 7	2 3.25	+ 9 2.4	2.434	3.406	3.8	20.1
11 17	1 55.69	+ 8 48.6	2.470	3.392	7.1	20.3
11 27	1 49.46	+ 8 42.5	2.534	3.379	10.0	20.5
12 7	1 45.01	+ 8 45.8	2.620	3.365	12.5	20.7

161927 2007 EU_{119} 10 28.3 107°.70 1°.5/26.9 18

9 28	2 31.60	+10 7.9	2.421	3.300	9.8	20.6
10 8	2 25.94	+ 9 27.4	2.369	3.312	6.7	20.4
10 18	2 19.01	+ 8 42.9	2.343	3.325	3.5	20.2
10 28	2 11.46	+ 7 58.4	2.346	3.337	1.5	20.1
11 7	2 4.04	+ 7 17.7	2.379	3.349	4.2	20.3
11 17	1 57.45	+ 6 44.8	2.441	3.360	7.3	20.5
11 27	1 52.26	+ 6 22.4	2.530	3.372	10.1	20.7
12 7	1 48.84	+ 6 12.1	2.641	3.383	12.4	20.9

269050 2007 GJ_{12} 10 28.3 216°.95 1°.7/27.1 18

9 28	2 35.54	+11 13.4	1.575	2.463	13.6	20.6
10 8	2 29.34	+10 29.4	1.513	2.461	9.4	20.4
10 18	2 21.02	+ 9 37.4	1.475	2.459	4.9	20.1
10 28	2 11.54	+ 8 43.1	1.464	2.456	1.8	19.9
11 7	2 2.12	+ 7 53.1	1.481	2.454	5.7	20.2
11 17	1 53.92	+ 7 13.7	1.524	2.451	10.2	20.4
11 27	1 47.89	+ 6 49.7	1.591	2.448	14.2	20.7
12 7	1 44.55	+ 6 43.3	1.678	2.445	17.6	20.9

146977 2002 NS_{39} 10 28.3 23°.63 6°.8/24.3 18

9 28	2 28.63	+ 5 21.9	0.786	1.717	18.3	18.2
10 8	2 25.18	+ 3 31.1	0.769	1.734	12.8	18.0
10 18	2 18.93	+ 1 42.5	0.770	1.753	8.0	17.8
10 28	2 11.46	+ 0 11.7	0.792	1.775	7.2	17.9
11 7	2 4.55	− 0 49.4	0.835	1.798	11.0	18.2
11 17	1 59.62	− 1 15.2	0.898	1.823	15.7	18.5
11 27	1 57.59	− 1 6.5	0.979	1.849	19.9	18.9
12 7	1 58.72	− 0 28.3	1.075	1.877	23.2	19.2

257539 1998 HP 10 28.3 151°.67 1°.9/26.9 17

9 28	2 37.57	+10 27.4	1.767	2.647	12.7	21.7
10 8	2 30.47	+ 9 42.0	1.712	2.656	8.8	21.5
10 18	2 21.49	+ 8 50.5	1.682	2.664	4.6	21.3
10 28	2 11.56	+ 7 58.1	1.681	2.672	1.9	21.1
11 7	2 1.80	+ 7 10.9	1.708	2.679	5.4	21.3
11 17	1 53.26	+ 6 34.0	1.764	2.685	9.5	21.6
11 27	1 46.76	+ 6 11.5	1.844	2.690	13.1	21.8
12 7	1 42.75	+ 6 5.0	1.945	2.695	16.1	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
47353 1999 XB_{59}			10 28.3	77°.91	1°.2/27.6	17
	h m	° ′			°	m
9 28	2 39.00	+11 55.1	1.364	2.252	15.2	18.8
10 8	2 31.72	+11 29.1	1.325	2.272	10.5	18.6
10 18	2 22.17	+10 55.3	1.309	2.292	5.4	18.3
10 28	2 11.58	+10 18.7	1.319	2.311	1.2	18.1
11 7	2 1.37	+ 9 45.7	1.355	2.331	5.6	18.5
11 17	1 52.79	+ 9 21.8	1.418	2.350	10.4	18.8
11 27	1 46.76	+ 9 11.3	1.505	2.369	14.5	19.1
12 7	1 43.70	+ 9 16.0	1.611	2.388	17.8	19.4
374701 2006 RR_{59}			10 28.3	253°.38	1°.1/29.1	18
9 28	2 37.73	+17 8.5	1.495	2.370	14.9	20.9
10 8	2 31.16	+16 59.7	1.424	2.363	10.7	20.6
10 18	2 22.11	+16 37.5	1.377	2.356	5.9	20.3
10 28	2 11.60	+16 4.3	1.356	2.348	1.3	20.0
11 7	2 1.02	+15 25.3	1.361	2.341	4.9	20.2
11 17	1 51.72	+14 46.9	1.394	2.333	9.9	20.5
11 27	1 44.84	+14 16.3	1.451	2.325	14.3	20.7
12 7	1 41.00	+13 58.2	1.527	2.317	18.0	21.0
429538 2011 CM_{1}			10 28.4	97°.88	4°.4/25.1	16
9 28	2 36.35	+ 4 26.1	1.591	2.482	13.2	21.2
10 8	2 29.61	+ 3 18.4	1.554	2.501	9.3	21.0
10 18	2 21.00	+ 2 11.3	1.541	2.519	5.6	20.8
10 28	2 11.56	+ 1 12.1	1.556	2.537	4.6	20.8
11 7	2 2.45	+ 0 27.5	1.598	2.554	7.5	21.0
11 17	1 54.69	+ 0 1.6	1.667	2.571	11.1	21.3
11 27	1 49.06	− 0 3.8	1.759	2.587	14.4	21.5
12 7	1 45.95	+ 0 10.3	1.870	2.604	17.1	21.7
390519 1995 TT_{11}			10 28.4	320°.87	0°.0/28.3	18
9 28	2 34.98	+14 47.1	1.669	2.549	13.4	21.3
10 8	2 28.92	+14 25.4	1.605	2.547	9.4	21.1
10 18	2 20.80	+13 53.6	1.564	2.546	4.9	20.8
10 28	2 11.56	+13 15.2	1.551	2.544	0.2	20.4
11 7	2 2.36	+12 35.4	1.565	2.543	4.6	20.8
11 17	1 54.30	+12 0.1	1.607	2.542	9.1	21.1
11 27	1 48.33	+11 34.5	1.673	2.541	13.1	21.3
12 7	1 44.96	+11 22.1	1.760	2.540	16.4	21.5
120983 1998 XG_{7}			10 28.4	99°.53	1°.5/27.0	18
9 28	2 32.13	+ 9 55.1	2.308	3.187	10.2	20.0
10 8	2 26.40	+ 9 24.7	2.251	3.195	7.0	19.8
10 18	2 19.30	+ 8 50.4	2.221	3.202	3.6	19.6
10 28	2 11.51	+ 8 15.8	2.219	3.210	1.5	19.5
11 7	2 3.83	+ 7 44.9	2.247	3.218	4.3	19.7
11 17	1 56.98	+ 7 21.1	2.304	3.225	7.5	19.9
11 27	1 51.61	+ 7 7.3	2.387	3.232	10.5	20.1
12 7	1 48.11	+ 7 5.2	2.492	3.240	13.0	20.3
232097 2001 XH_{110}			10 28.4	333°.17	0°.4/28.6	18
9 28	2 31.65	+16 23.3	1.206	2.102	16.2	20.0
10 8	2 27.28	+15 52.2	1.137	2.087	11.6	19.7
10 18	2 20.23	+15 4.6	1.089	2.072	6.2	19.3
10 28	2 11.55	+14 5.0	1.065	2.058	0.5	18.9
11 7	2 2.73	+13 1.5	1.066	2.046	5.6	19.2
11 17	1 55.28	+12 3.5	1.090	2.034	11.3	19.5
11 27	1 50.43	+11 19.8	1.136	2.024	16.3	19.8
12 7	1 48.85	+10 55.6	1.201	2.015	20.5	20.0
469895 2005 VF_{128}			10 28.4	72°.00	2°.9/26.4	16
9 28	2 37.30	+ 9 11.3	1.383	2.276	14.7	21.3
10 8	2 30.35	+ 8 5.7	1.353	2.303	10.1	21.1
10 18	2 21.39	+ 6 55.9	1.348	2.331	5.3	20.9
10 28	2 11.59	+ 5 49.5	1.369	2.358	3.1	20.9
11 7	2 2.28	+ 4 54.4	1.417	2.385	6.6	21.1
11 17	1 54.58	+ 4 16.1	1.491	2.411	10.9	21.5
11 27	1 49.29	+ 3 57.6	1.588	2.438	14.6	21.8
12 7	1 46.73	+ 3 58.8	1.704	2.464	17.6	22.0
381412 2008 JE_{12}			10 28.4	26°.60	2°.6/26.9	16
9 28	2 34.28	+ 9 36.4	1.077	1.985	16.6	20.4
10 8	2 28.88	+ 8 59.8	1.039	1.996	11.5	20.2
10 18	2 20.86	+ 8 17.0	1.022	2.007	6.0	19.9
10 28	2 11.57	+ 7 35.3	1.029	2.020	2.7	19.8
11 7	2 2.61	+ 7 2.7	1.059	2.034	7.1	20.1
11 17	1 55.39	+ 6 45.3	1.113	2.048	12.2	20.4
11 27	1 50.95	+ 6 46.8	1.189	2.064	16.7	20.7
12 7	1 49.70	+ 7 7.4	1.281	2.081	20.3	21.0
372346 2009 FA_{23}			10 28.4	115°.24	3°.4/26.1	17
9 28	2 38.62	+ 7 10.5	1.488	2.378	14.1	21.6
10 8	2 31.34	+ 6 15.9	1.446	2.394	9.8	21.4
10 18	2 21.97	+ 5 18.5	1.428	2.409	5.4	21.2
10 28	2 11.62	+ 4 25.4	1.437	2.424	3.6	21.1
11 7	2 1.59	+ 3 43.2	1.473	2.438	6.9	21.4
11 17	1 53.04	+ 3 17.0	1.536	2.451	11.1	21.7
11 27	1 46.83	+ 3 9.6	1.622	2.464	14.8	21.9
12 7	1 43.40	+ 3 20.8	1.728	2.477	17.8	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
101443 1998 VA_{43}			10 28.4	87°.55	1°.5/27.4	18
	h m	° ′			°	m
9 28	2 38.70	+ 9 11.8	1.817	2.696	12.5	19.6
10 8	2 31.17	+ 9 8.3	1.771	2.714	8.6	19.4
10 18	2 21.82	+ 9 1.6	1.750	2.732	4.5	19.2
10 28	2 11.62	+ 8 54.5	1.758	2.750	1.5	19.0
11 7	2 1.65	+ 8 50.7	1.795	2.767	4.9	19.3
11 17	1 52.93	+ 8 53.2	1.860	2.784	8.8	19.6
11 27	1 46.24	+ 9 4.5	1.950	2.801	12.2	19.8
12 7	1 42.00	+ 9 25.9	2.062	2.818	15.1	20.1
411996 2012 JW_{52}			10 28.4	254°.46	0°.5/27.9	17
9 28	2 32.80	+12 27.4	2.400	3.273	10.1	21.3
10 8	2 26.97	+12 11.3	2.324	3.264	7.0	21.1
10 18	2 19.67	+11 49.6	2.273	3.255	3.6	20.9
10 28	2 11.55	+11 24.9	2.252	3.245	0.5	20.6
11 7	2 3.39	+11 0.5	2.261	3.236	3.7	20.9
11 17	1 55.97	+10 40.0	2.298	3.226	7.2	21.1
11 27	1 49.98	+10 26.7	2.363	3.216	10.3	21.3
12 7	1 45.89	+10 22.9	2.450	3.207	12.9	21.4
362859 2012 BS_{54}			10 28.4	74°.88	4°.6/24.2	18
9 28	2 31.71	+ 0 51.8	2.101	2.989	10.6	19.9
10 8	2 26.17	− 0 4.8	2.054	2.997	7.7	19.7
10 18	2 19.20	− 0 58.3	2.034	3.005	5.2	19.6
10 28	2 11.53	− 1 43.1	2.042	3.013	4.8	19.6
11 7	2 4.00	− 2 14.7	2.077	3.021	6.9	19.7
11 17	1 57.39	− 2 30.1	2.140	3.029	9.8	19.9
11 27	1 52.35	− 2 27.9	2.226	3.037	12.4	20.1
12 7	1 49.26	− 2 9.0	2.333	3.045	14.7	20.3
300769 2007 VT_{251}			10 28.4	346°.43	5°.5/ 2.0	18
9 28	2 34.36	+30 4.1	1.726	2.554	15.4	20.4
10 8	2 28.66	+30 0.1	1.654	2.552	12.2	20.2
10 18	2 20.74	+29 32.6	1.604	2.551	8.8	20.0
10 28	2 11.58	+28 41.5	1.579	2.550	6.0	19.8
11 7	2 2.44	+27 31.0	1.580	2.548	6.0	19.8
11 17	1 54.53	+26 8.5	1.608	2.547	8.8	20.0
11 27	1 48.85	+24 43.6	1.662	2.547	12.2	20.2
12 7	1 45.95	+23 25.3	1.738	2.546	15.4	20.4
159291 2006 BX			10 28.4	144°.80	2°.9/26.2	18
9 28	2 37.88	+ 2 33.8	2.489	3.361	9.8	19.5
10 8	2 30.31	+ 2 36.4	2.429	3.366	6.9	19.3
10 18	2 21.32	+ 2 41.3	2.396	3.371	4.1	19.1
10 28	2 11.61	+ 2 51.1	2.394	3.376	3.0	19.0
11 7	2 2.00	+ 3 7.8	2.422	3.380	5.1	19.2
11 17	1 53.24	+ 3 32.9	2.481	3.385	7.9	19.4
11 27	1 45.99	+ 4 7.1	2.567	3.389	10.6	19.6
12 7	1 40.67	+ 4 50.1	2.676	3.393	12.9	19.7
304331 2006 ST_{222}			10 28.4	63°.13	1°.7/26.9	18
9 28	2 33.01	+11 8.7	1.726	2.613	12.6	20.8
10 8	2 27.32	+10 16.2	1.676	2.624	8.7	20.6
10 18	2 19.87	+ 9 17.1	1.652	2.635	4.5	20.4
10 28	2 11.56	+ 8 17.2	1.654	2.646	1.8	20.2
11 7	2 3.43	+ 7 22.7	1.685	2.657	5.3	20.5
11 17	1 56.45	+ 6 39.2	1.743	2.668	9.3	20.8
11 27	1 51.39	+ 6 10.9	1.825	2.679	12.8	21.0
12 7	1 48.67	+ 5 59.3	1.928	2.690	15.8	21.2
383844 2008 JD_{20}			10 28.4	159°.34	10°.0/21.5	18
9 28	2 41.59	−16 25.0	2.006	2.849	13.0	20.8
10 8	2 33.02	−17 13.3	1.969	2.856	11.1	20.7
10 18	2 22.73	−17 42.9	1.957	2.863	10.0	20.7
10 28	2 11.66	−17 47.9	1.972	2.870	10.2	20.7
11 7	2 0.89	−17 25.4	2.012	2.875	11.6	20.8
11 17	1 51.40	−16 36.0	2.077	2.880	13.5	21.0
11 27	1 43.92	−15 23.2	2.164	2.884	15.5	21.1
12 7	1 38.87	−13 51.9	2.270	2.887	17.2	21.3
96267 1995 SK_{48}			10 28.4	240°.17	0°.2/28.5	18
9 28	2 36.30	+15 5.2	2.067	2.934	11.7	19.2
10 8	2 29.68	+14 50.8	1.984	2.920	8.3	19.0
10 18	2 21.19	+14 27.5	1.927	2.906	4.4	18.7
10 28	2 11.61	+13 57.8	1.898	2.892	0.3	18.4
11 7	2 1.92	+13 25.4	1.899	2.876	4.0	18.7
11 17	1 53.10	+12 55.1	1.929	2.861	8.1	18.9
11 27	1 46.03	+12 31.4	1.985	2.844	11.7	19.1
12 7	1 41.27	+12 18.0	2.064	2.828	14.8	19.3
76538 2000 GO_{76}			10 28.4	240°.02	0°.3/28.8	18
9 28	2 30.06	+18 10.3	2.595	3.455	9.8	19.3
10 8	2 24.96	+17 7.9	2.515	3.447	7.0	19.1
10 18	2 18.58	+15 54.5	2.461	3.439	3.7	18.9
10 28	2 11.52	+14 33.7	2.438	3.431	0.4	18.6
11 7	2 4.49	+13 10.6	2.445	3.423	3.2	18.8
11 17	1 58.17	+11 50.7	2.483	3.414	6.5	19.0
11 27	1 53.17	+10 39.1	2.549	3.406	9.5	19.2
12 7	1 49.87	+ 9 39.8	2.639	3.397	12.1	19.4

431779 2008 KD_9 10 28.4 186°.16 1°.6/27.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.01	+10 42.7	1.800	2.680	12.5	22.3
10 8	2 30.18	+10 4.6	1.736	2.680	8.7	22.0
10 18	2 21.42	+ 9 20.0	1.698	2.680	4.5	21.8
10 28	2 11.62	+ 8 33.8	1.687	2.679	1.7	21.6
11 7	2 1.89	+ 7 51.4	1.706	2.677	5.2	21.8
11 17	1 53.28	+ 7 18.2	1.752	2.675	9.4	22.1
11 27	1 46.65	+ 6 58.1	1.823	2.672	13.1	22.3
12 7	1 42.51	+ 6 53.3	1.916	2.669	16.1	22.5

167262 2003 UN_{123} 10 28.4 65°.08 1°.1/27.8 18

9 28	2 40.90	+ 9 49.2	1.558	2.440	14.0	19.7
10 8	2 32.87	+10 0.9	1.518	2.462	9.7	19.5
10 18	2 22.75	+10 8.6	1.502	2.484	5.0	19.3
10 28	2 11.67	+10 14.6	1.514	2.507	1.1	19.1
11 7	2 0.93	+10 22.2	1.554	2.530	5.1	19.4
11 17	1 51.69	+10 34.6	1.622	2.552	9.5	19.7
11 27	1 44.84	+10 54.3	1.715	2.575	13.2	20.0
12 7	1 40.79	+11 22.8	1.828	2.597	16.3	20.3

516287 2016 WR_{30} 10 28.4 323°.58 0°.7/27.8 18

9 28	2 30.78	+16 32.8	1.537	2.423	13.9	20.8
10 8	2 26.13	+15 5.9	1.467	2.413	9.8	20.5
10 18	2 19.41	+13 22.1	1.421	2.404	5.0	20.2
10 28	2 11.55	+11 28.6	1.402	2.396	0.7	19.9
11 7	2 3.72	+ 9 35.5	1.411	2.388	5.3	20.2
11 17	1 57.05	+ 7 53.1	1.447	2.380	10.1	20.4
11 27	1 52.45	+ 6 30.0	1.507	2.373	14.4	20.7
12 7	1 50.46	+ 5 30.7	1.587	2.366	17.9	20.9

359533 2010 RQ_{112} 10 28.4 146°.55 0°.0/28.3 18

9 28	2 34.03	+14 22.7	2.088	2.960	11.4	21.2
10 8	2 27.94	+14 4.3	2.024	2.963	8.0	21.0
10 18	2 20.20	+13 38.2	1.984	2.965	4.2	20.7
10 28	2 11.60	+13 7.1	1.974	2.967	0.1	20.4
11 7	2 3.06	+12 35.2	1.992	2.969	3.9	20.7
11 17	1 55.45	+12 6.6	2.039	2.971	7.7	21.0
11 27	1 49.52	+11 45.6	2.112	2.973	11.1	21.2
12 7	1 45.74	+11 34.8	2.208	2.974	13.9	21.4

15002 1997 WN_{38} 10 28.4 8°.08 0°.7/27.8 18

9 28	2 31.49	+12 32.1	1.893	2.777	11.8	18.2
10 8	2 26.27	+12 8.5	1.833	2.778	8.2	18.0
10 18	2 19.37	+11 38.2	1.797	2.780	4.2	17.8
10 28	2 11.58	+11 4.6	1.789	2.782	0.7	17.5
11 7	2 3.85	+10 32.6	1.809	2.785	4.4	17.8
11 17	1 57.09	+10 6.5	1.857	2.789	8.3	18.0
11 27	1 52.07	+ 9 50.2	1.929	2.792	11.8	18.3
12 7	1 49.25	+ 9 46.2	2.023	2.797	14.7	18.5

372792 2010 RR_{60} 10 28.4 327°.79 3°.6/30.1 18

9 28	2 37.23	+20 19.1	1.135	2.018	18.0	20.4
10 8	2 31.55	+20 47.4	1.067	2.006	13.4	20.1
10 18	2 22.65	+20 57.7	1.020	1.995	8.2	19.8
10 28	2 11.71	+20 49.6	0.995	1.984	3.9	19.5
11 7	2 0.50	+20 26.6	0.995	1.975	6.1	19.6
11 17	1 50.86	+19 55.9	1.018	1.966	11.5	19.9
11 27	1 44.30	+19 26.9	1.063	1.958	16.6	20.2
12 7	1 41.58	+19 7.7	1.126	1.950	21.0	20.4

305264 2007 YR_{29} 10 28.4 257°.59 3°.5/31.9 18

9 28	2 33.44	+27 10.1	2.205	3.034	12.5	21.1
10 8	2 27.69	+26 38.1	2.113	3.018	9.6	20.9
10 18	2 20.16	+25 47.2	2.045	3.001	6.5	20.6
10 28	2 11.61	+24 38.4	2.004	2.984	3.8	20.4
11 7	2 3.00	+23 16.2	1.993	2.967	4.3	20.4
11 17	1 55.27	+21 47.0	2.011	2.949	7.3	20.6
11 27	1 49.25	+20 18.5	2.056	2.931	10.6	20.8
12 7	1 45.46	+18 57.8	2.126	2.913	13.7	20.9

25238 1998 UJ_7 10 28.4 62°.59 1°.0/27.6 18

9 28	2 34.26	+12 26.1	1.721	2.605	12.8	18.0
10 8	2 28.28	+11 53.9	1.665	2.611	8.9	17.8
10 18	2 20.44	+11 14.1	1.634	2.617	4.6	17.6
10 28	2 11.62	+10 31.1	1.630	2.623	1.0	17.3
11 7	2 2.94	+ 9 50.5	1.654	2.629	4.8	17.6
11 17	1 55.40	+ 9 17.5	1.705	2.635	9.1	17.9
11 27	1 49.83	+ 8 56.4	1.781	2.642	12.8	18.1
12 7	1 46.71	+ 8 49.6	1.878	2.648	15.8	18.3

218355 2004 FD_{134} 10 28.4 305°.49 0°.0/28.4 18

9 28	2 32.37	+17 48.9	1.320	2.208	15.6	19.9
10 8	2 27.66	+16 40.0	1.244	2.190	11.2	19.6
10 18	2 20.41	+15 10.3	1.191	2.173	6.0	19.2
10 28	2 11.64	+13 25.8	1.162	2.156	0.2	18.8
11 7	2 2.73	+11 37.0	1.160	2.139	5.6	19.1
11 17	1 55.10	+ 9 55.8	1.183	2.122	11.2	19.4
11 27	1 49.93	+ 8 32.9	1.229	2.106	16.1	19.6
12 7	1 47.87	+ 7 34.5	1.294	2.091	20.3	19.9

60388 2000 AY_{217} 10 28.4 293°.88 0°.5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 25.52	+11 56.8	4.155	5.026	6.2	20.3
10 8	2 21.47	+11 34.4	4.082	5.021	4.3	20.1
10 18	2 16.68	+11 8.9	4.036	5.017	2.2	20.0
10 28	2 11.50	+10 42.1	4.020	5.013	0.5	19.8
11 7	2 6.33	+10 16.0	4.035	5.009	2.4	20.0
11 17	2 1.55	+ 9 52.7	4.081	5.005	4.5	20.1
11 27	1 57.52	+ 9 34.2	4.154	5.000	6.4	20.3
12 7	1 54.50	+ 9 21.7	4.253	4.996	8.0	20.4

164725 1998 QF_{98} 10 28.4 14°.32 11°.7/20.3 18

9 28	2 21.10	− 2 36.9	0.727	1.668	18.0	16.8
10 8	2 20.08	− 5 14.1	0.721	1.683	14.0	16.6
10 18	2 16.38	− 7 29.5	0.733	1.703	11.8	16.6
10 28	2 11.49	− 9 5.6	0.765	1.726	12.6	16.7
11 7	2 7.04	− 9 53.3	0.815	1.752	15.5	17.0
11 17	2 4.29	− 9 52.7	0.883	1.781	18.9	17.3
11 27	2 4.06	− 9 10.0	0.966	1.813	22.0	17.7
12 7	2 6.61	− 7 55.1	1.064	1.847	24.6	18.0

459385 2012 KA_{11} 10 28.4 234°.03 2°.5/25.9 17

9 28	2 32.19	+ 5 31.7	2.574	3.454	9.2	22.1
10 8	2 26.45	+ 4 59.8	2.502	3.445	6.5	21.9
10 18	2 19.39	+ 4 27.0	2.458	3.436	3.7	21.7
10 28	2 11.62	+ 3 56.9	2.442	3.427	2.6	21.6
11 7	2 3.84	+ 3 33.1	2.456	3.417	4.8	21.7
11 17	1 56.74	+ 3 18.4	2.500	3.407	7.7	21.9
11 27	1 50.95	+ 3 15.1	2.569	3.397	10.4	22.1
12 7	1 46.89	+ 3 23.9	2.661	3.386	12.8	22.2

487492 2014 SY_{278} 10 28.4 132°.58 3°.2/31.3 18

9 28	2 34.78	+24 20.5	2.391	3.225	11.5	21.2
10 8	2 28.43	+24 32.1	2.320	3.229	8.7	21.1
10 18	2 20.48	+24 30.5	2.274	3.233	5.7	20.9
10 28	2 11.66	+24 16.2	2.256	3.237	3.4	20.7
11 7	2 2.84	+23 51.5	2.268	3.240	4.0	20.8
11 17	1 54.88	+23 20.2	2.308	3.244	6.7	21.0
11 27	1 48.52	+22 47.2	2.376	3.247	9.6	21.2
12 7	1 44.23	+22 17.4	2.468	3.250	12.1	21.4

324487 2006 UL_{156} 10 28.4 78°.91 1°.4/27.4 15

9 28	2 37.48	+12 42.9	1.342	2.232	15.3	20.6
10 8	2 30.71	+11 50.6	1.303	2.251	10.6	20.4
10 18	2 21.71	+10 48.9	1.287	2.271	5.4	20.2
10 28	2 11.70	+ 9 44.7	1.297	2.290	1.5	20.0
11 7	2 2.08	+ 8 45.9	1.334	2.309	5.8	20.3
11 17	1 54.07	+ 7 59.5	1.397	2.328	10.6	20.6
11 27	1 48.57	+ 7 30.6	1.484	2.347	14.7	20.9
12 7	1 45.97	+ 7 20.7	1.589	2.365	18.0	21.2

1900 Katyusha 10 28.4 338°.71 6°.1/ 1.1 18 R

9 28	2 33.84	+27 9.7	1.096	1.965	19.5	14.9
10 8	2 29.24	+27 17.7	1.031	1.956	15.3	14.6
10 18	2 21.45	+26 56.2	0.984	1.947	10.5	14.3
10 28	2 11.70	+26 4.4	0.958	1.939	6.6	14.0
11 7	2 1.82	+24 47.7	0.956	1.933	7.1	14.1
11 17	1 53.62	+23 17.6	0.977	1.927	11.5	14.3
11 27	1 48.56	+21 48.3	1.019	1.922	16.4	14.5
12 7	1 47.31	+20 31.7	1.080	1.918	20.7	14.8

255575 2006 KM_{120} 10 28.4 30°.80 7°.3/24.3 17

9 28	2 33.54	+ 2 17.7	0.935	1.854	17.5	19.7
10 8	2 28.47	+ 0 52.1	0.909	1.867	12.5	19.5
10 18	2 20.69	− 0 28.4	0.902	1.881	8.3	19.3
10 28	2 11.67	− 1 31.4	0.918	1.896	7.6	19.3
11 7	2 3.11	− 2 7.5	0.956	1.912	11.0	19.6
11 17	1 56.48	− 2 12.5	1.015	1.930	15.4	19.9
11 27	1 52.74	− 1 47.3	1.093	1.948	19.4	20.2
12 7	1 52.26	− 0 56.4	1.186	1.967	22.7	20.5

377001 2002 QU_{54} 10 28.4 28°.63 3°.9/26.4 18

9 28	2 33.71	+ 7 59.4	0.889	1.808	18.1	19.8
10 8	2 28.64	+ 7 9.8	0.865	1.825	12.5	19.5
10 18	2 20.78	+ 6 16.7	0.859	1.845	6.7	19.3
10 28	2 11.67	+ 5 29.8	0.876	1.865	4.0	19.2
11 7	2 3.11	+ 4 57.9	0.915	1.888	8.3	19.6
11 17	1 56.57	+ 4 46.8	0.976	1.911	13.5	19.9
11 27	1 53.04	+ 4 58.4	1.057	1.936	18.0	20.3
12 7	1 52.85	+ 5 31.1	1.154	1.962	21.6	20.6

90164 2003 AD_6 10 28.4 322°.15 24°.0/ 4.3 17

9 28	2 35.48	−31 51.4	0.947	1.788	24.2	18.4
10 8	2 30.41	−34 47.0	0.934	1.777	24.1	18.3
10 18	2 21.94	−36 49.5	0.936	1.766	24.7	18.3
10 28	2 11.72	−37 44.1	0.951	1.756	26.0	18.4
11 7	2 1.81	−37 26.7	0.977	1.747	27.6	18.5
11 17	1 54.05	−36 1.9	1.014	1.739	29.3	18.6
11 27	1 49.70	−33 40.5	1.059	1.731	30.9	18.7
12 7	1 49.17	−30 36.3	1.111	1.725	32.3	18.9

420162 2011 FY_{156} 10 28.4 305°.49 0°.7/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.94	+15 39.5	2.287	3.153	10.8	20.7
10 8	2 27.87	+15 42.6	2.214	3.149	7.7	20.5
10 18	2 20.22	+15 38.2	2.166	3.145	4.2	20.2
10 28	2 11.68	+15 28.0	2.147	3.140	0.8	20.0
11 7	2 3.11	+15 14.7	2.158	3.136	3.5	20.2
11 17	1 55.34	+15 1.6	2.198	3.132	7.1	20.4
11 27	1 49.12	+14 52.3	2.265	3.129	10.3	20.6
12 7	1 44.93	+14 49.8	2.354	3.125	13.0	20.8

429564 2011 CZ_{104} 10 28.4 130°.37 1°.0/29.2 16

9 28	2 37.36	+18 11.8	1.833	2.696	13.1	22.4
10 8	2 30.37	+17 43.0	1.777	2.710	9.4	22.2
10 18	2 21.51	+17 1.6	1.745	2.722	5.1	22.0
10 28	2 11.73	+16 10.9	1.742	2.734	1.1	21.8
11 7	2 2.14	+15 16.3	1.767	2.746	4.1	22.0
11 17	1 53.76	+14 23.9	1.822	2.757	8.2	22.3
11 27	1 47.42	+13 39.6	1.902	2.767	11.9	22.5
12 7	1 43.55	+13 7.6	2.004	2.777	14.9	22.8

99316 2001 TH_{63} 10 28.4 326°.36 1°.3/27.7 18

9 28	2 35.22	+12 36.0	1.093	1.996	16.9	19.6
10 8	2 29.96	+12 3.6	1.032	1.985	11.9	19.3
10 18	2 21.73	+11 19.1	0.991	1.976	6.2	18.9
10 28	2 11.75	+10 28.5	0.974	1.967	1.3	18.6
11 7	2 1.68	+ 9 40.5	0.981	1.959	6.7	18.9
11 17	1 53.19	+ 9 3.7	1.011	1.951	12.6	19.2
11 27	1 47.60	+ 8 45.1	1.062	1.944	17.7	19.5
12 7	1 45.58	+ 8 47.6	1.130	1.938	22.0	19.8

398054 2009 HO_{15} 10 28.4 91°.98 0°.1/28.5 18

9 28	2 35.60	+14 41.4	1.947	2.819	12.1	21.4
10 8	2 29.05	+14 26.0	1.894	2.833	8.5	21.2
10 18	2 20.80	+14 2.4	1.867	2.847	4.4	21.0
10 28	2 11.71	+13 33.4	1.867	2.861	0.2	20.7
11 7	2 2.78	+13 3.4	1.897	2.874	4.0	21.0
11 17	1 54.95	+12 36.6	1.955	2.888	7.9	21.3
11 27	1 48.96	+12 17.5	2.039	2.901	11.3	21.6
12 7	1 45.24	+12 8.6	2.145	2.914	14.1	21.8

243826 2000 TX_{20} 10 28.4 68°.47 7°.2/24.2 17

9 28	2 38.97	+ 0 27.7	1.162	2.063	16.2	19.4
10 8	2 31.69	− 0 58.7	1.144	2.092	11.7	19.2
10 18	2 22.15	− 2 17.0	1.148	2.120	8.0	19.1
10 28	2 11.75	− 3 16.8	1.177	2.148	7.5	19.2
11 7	2 2.01	− 3 51.0	1.230	2.176	10.4	19.4
11 17	1 54.16	− 3 57.0	1.307	2.204	14.1	19.7
11 27	1 49.02	− 3 36.1	1.405	2.232	17.5	20.0
12 7	1 46.88	− 2 52.7	1.520	2.259	20.2	20.3

411936 2012 GY_{12} 10 28.4 217°.41 2°.1/30.2 17

9 28	2 35.91	+20 26.6	2.626	3.469	10.3	21.2
10 8	2 29.16	+20 41.8	2.544	3.463	7.6	21.0
10 18	2 20.88	+20 47.6	2.489	3.457	4.6	20.8
10 28	2 11.72	+20 44.3	2.463	3.450	2.2	20.6
11 7	2 2.48	+20 33.7	2.467	3.443	3.4	20.7
11 17	1 53.96	+20 18.9	2.502	3.436	6.3	20.9
11 27	1 46.87	+20 3.5	2.565	3.428	9.2	21.0
12 7	1 41.71	+19 51.4	2.652	3.421	11.7	21.2

485733 2012 BH_{69} 10 28.4 25°.38 5°.5/24.1 18

9 28	2 32.35	− 0 3.9	1.746	2.641	12.1	20.7
10 8	2 26.88	− 1 0.6	1.701	2.645	8.8	20.6
10 18	2 19.70	− 1 52.8	1.680	2.650	6.1	20.4
10 28	2 11.67	− 2 33.9	1.686	2.656	5.8	20.4
11 7	2 3.79	− 2 58.6	1.718	2.662	8.1	20.6
11 17	1 57.00	− 3 3.8	1.776	2.668	11.2	20.8
11 27	1 52.04	− 2 48.7	1.857	2.675	14.2	21.0
12 7	1 49.34	− 2 14.9	1.957	2.682	16.7	21.2

106411 2000 VK_{31} 10 28.4 300°.81 1°.1/27.7 18

9 28	2 36.41	+12 35.9	1.298	2.191	15.5	19.4
10 8	2 30.46	+12 6.3	1.234	2.183	10.9	19.1
10 18	2 21.88	+11 26.2	1.191	2.175	5.7	18.8
10 28	2 11.76	+10 40.8	1.174	2.167	1.1	18.5
11 7	2 1.59	+ 9 57.3	1.182	2.159	6.0	18.8
11 17	1 52.82	+ 9 22.8	1.216	2.151	11.3	19.1
11 27	1 46.63	+ 9 3.6	1.272	2.144	16.1	19.3
12 7	1 43.66	+ 9 2.6	1.346	2.137	20.0	19.6

219274 2000 BZ_{3} 10 28.4 294°.68 2°.0/30.1 17

9 28	2 33.00	+20 32.4	2.154	3.010	11.7	20.4
10 8	2 27.45	+20 25.8	2.063	2.989	8.7	20.1
10 18	2 20.11	+20 6.8	1.997	2.969	5.2	19.9
10 28	2 11.70	+19 36.6	1.959	2.948	2.2	19.7
11 7	2 3.12	+18 58.5	1.950	2.928	3.8	19.7
11 17	1 55.31	+18 17.2	1.969	2.907	7.4	19.9
11 27	1 49.14	+17 38.0	2.014	2.887	11.0	20.1
12 7	1 45.17	+17 6.0	2.083	2.867	14.0	20.3

59482 1999 HP_{10} 10 28.4 235°.34 0°.6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.44	+13 55.3	2.246	3.119	10.7	20.2
10 8	2 26.83	+13 6.7	2.169	3.109	7.5	20.0
10 18	2 19.68	+12 9.5	2.117	3.099	3.8	19.7
10 28	2 11.68	+11 7.5	2.095	3.088	0.7	19.5
11 7	2 3.66	+10 6.0	2.103	3.077	4.0	19.7
11 17	1 56.45	+ 9 10.3	2.139	3.066	7.7	19.9
11 27	1 50.75	+ 8 25.0	2.203	3.054	11.0	20.1
12 7	1 47.04	+ 7 53.2	2.288	3.042	13.8	20.3

265273 2004 FP_{41} 10 28.4 149°.28 1°.8/26.9 18

9 28	2 36.90	+10 19.8	1.840	2.720	12.3	21.0
10 8	2 30.01	+ 9 35.7	1.785	2.729	8.5	20.8
10 18	2 21.33	+ 8 46.0	1.755	2.737	4.4	20.6
10 28	2 11.74	+ 7 55.6	1.754	2.745	1.9	20.4
11 7	2 2.31	+ 7 10.1	1.781	2.752	5.2	20.7
11 17	1 54.02	+ 6 34.6	1.837	2.758	9.2	20.9
11 27	1 47.68	+ 6 12.9	1.918	2.764	12.7	21.2
12 7	1 43.73	+ 6 6.5	2.020	2.769	15.6	21.4

134527 1999 RY_{30} 10 28.4 110°.58 5°.9/22.9 18 R

9 28	2 36.08	+ 3 40.4	1.588	2.481	13.2	19.3
10 8	2 29.42	+ 1 14.4	1.555	2.501	9.4	19.2
10 18	2 20.96	− 1 10.5	1.549	2.521	6.4	19.0
10 28	2 11.72	− 3 22.3	1.572	2.540	6.4	19.1
11 7	2 2.85	− 5 10.9	1.623	2.559	9.2	19.3
11 17	1 55.33	− 6 30.1	1.700	2.576	12.6	19.6
11 27	1 49.93	− 7 18.3	1.800	2.594	15.6	19.8
12 7	1 46.99	− 7 37.6	1.918	2.610	18.0	20.0

67023 1999 XP_{152} 10 28.4 334°.57 6°.5/25.1 18

9 28	2 37.92	− 2 17.9	1.437	2.329	14.3	17.8
10 8	2 31.23	− 2 35.4	1.378	2.320	10.7	17.6
10 18	2 22.17	− 2 44.0	1.343	2.312	7.5	17.4
10 28	2 11.78	− 2 37.6	1.332	2.304	6.7	17.3
11 7	2 1.42	− 2 11.9	1.348	2.297	9.3	17.5
11 17	1 52.37	− 1 25.5	1.388	2.291	13.0	17.7
11 27	1 45.69	− 0 19.4	1.451	2.285	16.7	17.9
12 7	1 41.96	+ 1 3.2	1.533	2.280	19.8	18.1

232649 2003 WC_{1} 10 28.4 38°.52 2°.4/26.5 18

9 28	2 33.09	+ 6 53.2	2.036	2.922	11.0	20.0
10 8	2 27.25	+ 6 31.5	1.983	2.929	7.7	19.8
10 18	2 19.86	+ 6 8.3	1.956	2.937	4.2	19.6
10 28	2 11.70	+ 5 47.6	1.957	2.945	2.5	19.5
11 7	2 3.65	+ 5 33.1	1.986	2.953	5.1	19.7
11 17	1 56.55	+ 5 27.9	2.043	2.961	8.5	19.9
11 27	1 51.10	+ 5 34.2	2.126	2.970	11.7	20.1
12 7	1 47.73	+ 5 52.7	2.230	2.979	14.3	20.3

157340 2004 TT_{45} 10 28.4 208°.23 1°.3/29.4 18 R

9 28	2 37.22	+17 12.1	2.480	3.333	10.5	20.3
10 8	2 30.10	+17 31.1	2.403	3.330	7.6	20.1
10 18	2 21.39	+17 42.4	2.352	3.326	4.3	19.8
10 28	2 11.76	+17 46.7	2.331	3.322	1.4	19.6
11 7	2 2.07	+17 45.9	2.341	3.318	3.4	19.8
11 17	1 53.16	+17 42.5	2.381	3.314	6.7	20.0
11 27	1 45.77	+17 40.0	2.449	3.309	9.7	20.2
12 7	1 40.39	+17 41.6	2.541	3.304	12.3	20.4

518266 2016 WK_{45} 10 28.4 320°.54 7°.0/24.8 18

9 28	2 37.74	− 3 14.6	1.443	2.335	14.3	20.5
10 8	2 31.23	− 3 35.6	1.376	2.316	10.8	20.3
10 18	2 22.25	− 3 47.1	1.331	2.298	7.8	20.1
10 28	2 11.80	− 3 42.2	1.312	2.281	7.2	20.0
11 7	2 1.23	− 3 16.1	1.318	2.264	9.8	20.1
11 17	1 51.88	− 2 27.0	1.349	2.248	13.6	20.3
11 27	1 44.88	− 1 16.2	1.402	2.233	17.3	20.5
12 7	1 40.89	+ 0 13.1	1.473	2.218	20.6	20.7

91436 1999 RY_{6} 10 28.4 40°.87 4°.4/24.3 18

9 28	2 30.91	+ 3 10.1	1.931	2.824	11.2	19.8
10 8	2 25.78	+ 1 54.9	1.881	2.828	7.9	19.6
10 18	2 19.12	+ 0 40.3	1.858	2.833	5.1	19.4
10 28	2 11.68	− 0 27.0	1.862	2.837	4.7	19.4
11 7	2 4.37	− 1 20.7	1.894	2.842	7.1	19.6
11 17	1 58.01	− 1 56.6	1.952	2.847	10.2	19.8
11 27	1 53.30	− 2 12.6	2.035	2.853	13.2	20.0
12 7	1 50.64	− 2 9.0	2.137	2.858	15.6	20.2

296195 2009 BH_{183} 10 28.4 293°.31 9°.6/20.2 18

9 28	2 33.86	− 9 58.1	1.715	2.596	13.0	20.1
10 8	2 28.22	−11 23.4	1.653	2.574	10.8	19.9
10 18	2 20.56	−12 36.9	1.615	2.552	9.6	19.8
10 28	2 11.74	−13 29.3	1.602	2.530	10.1	19.8
11 7	2 2.84	−13 53.8	1.613	2.507	12.2	19.9
11 17	1 54.94	−13 47.4	1.647	2.485	14.9	20.0
11 27	1 48.98	−13 10.6	1.701	2.464	17.6	20.1
12 7	1 45.51	−12 7.4	1.772	2.442	20.0	20.3

137451 1999 TD_{280} 10 28.4 31°.84 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.33	+14 21.8	1.163	2.058	16.7	19.4
10 8	2 30.39	+14 1.0	1.115	2.065	11.7	19.1
10 18	2 21.79	+13 27.9	1.089	2.072	6.1	18.8
10 28	2 11.78	+12 47.3	1.087	2.080	0.3	18.4
11 7	2 1.99	+12 6.8	1.110	2.089	5.7	18.9
11 17	1 53.88	+11 33.6	1.157	2.098	11.2	19.2
11 27	1 48.56	+11 14.1	1.227	2.108	15.9	19.5
12 7	1 46.53	+11 11.4	1.314	2.118	19.7	19.8

415585 2014 QT_{302} 10 28.4 78°.79 4°.1/ 1.6 18

9 28	2 34.14	+28 31.7	2.274	3.094	12.5	20.4
10 8	2 27.95	+28 22.1	2.218	3.114	9.7	20.2
10 18	2 20.22	+27 55.3	2.186	3.135	6.7	20.1
10 28	2 11.73	+27 12.3	2.182	3.155	4.4	20.0
11 7	2 3.43	+26 17.0	2.206	3.175	4.5	20.0
11 17	1 56.15	+25 14.6	2.259	3.195	6.8	20.2
11 27	1 50.60	+24 11.5	2.340	3.215	9.5	20.4
12 7	1 47.17	+23 13.4	2.444	3.234	12.0	20.6

306016 2010 DO_{23} 10 28.4 111°.56 0°.6/27.8 18

9 28	2 34.53	+14 10.5	2.196	3.065	11.0	21.6
10 8	2 28.08	+13 17.2	2.148	3.087	7.6	21.5
10 18	2 20.22	+12 16.2	2.127	3.108	3.9	21.3
10 28	2 11.74	+11 12.1	2.136	3.129	0.6	21.0
11 7	2 3.47	+10 10.0	2.174	3.149	4.0	21.3
11 17	1 56.22	+ 9 15.1	2.243	3.168	7.5	21.6
11 27	1 50.60	+ 8 31.4	2.338	3.187	10.6	21.8
12 7	1 46.98	+ 8 1.3	2.455	3.205	13.1	22.0

404492 2013 HL_{24} 10 28.4 69°.83 0°.1/28.3 18

9 28	2 35.35	+13 20.1	2.038	2.912	11.6	20.3
10 8	2 28.90	+13 18.1	1.979	2.919	8.1	20.1
10 18	2 20.77	+13 9.6	1.945	2.926	4.2	19.9
10 28	2 11.77	+12 57.0	1.940	2.934	0.2	19.5
11 7	2 2.85	+12 43.6	1.964	2.941	3.9	19.9
11 17	1 54.92	+12 32.9	2.016	2.948	7.7	20.1
11 27	1 48.74	+12 28.3	2.095	2.956	11.1	20.3
12 7	1 44.77	+12 32.4	2.196	2.963	13.9	20.6

49909 1999 XB_{169} 10 28.4 299°.97 0°.7/28.8 18

9 28	2 36.83	+15 44.8	1.362	2.247	15.5	18.7
10 8	2 30.86	+15 39.2	1.288	2.232	11.1	18.4
10 18	2 22.18	+15 20.9	1.236	2.216	6.1	18.1
10 28	2 11.83	+14 52.6	1.208	2.202	0.8	17.7
11 7	2 1.26	+14 19.5	1.207	2.187	5.3	17.9
11 17	1 51.96	+13 48.4	1.232	2.172	10.7	18.2
11 27	1 45.20	+13 26.2	1.279	2.158	15.5	18.5
12 7	1 41.71	+13 17.9	1.346	2.145	19.5	18.7

208244 2000 TN_{45} 10 28.4 103°.82 3°.4/26.4 17

9 28	2 41.57	+ 6 4.5	1.454	2.341	14.5	20.0
10 8	2 33.43	+ 5 32.4	1.416	2.362	10.1	19.8
10 18	2 23.13	+ 4 59.3	1.402	2.382	5.6	19.6
10 28	2 11.87	+ 4 31.2	1.415	2.402	3.5	19.5
11 7	2 1.01	+ 4 13.3	1.456	2.422	6.8	19.7
11 17	1 51.76	+ 4 9.4	1.524	2.440	11.0	20.0
11 27	1 45.00	+ 4 21.4	1.615	2.459	14.8	20.3
12 7	1 41.13	+ 4 48.9	1.725	2.476	17.8	20.6

259174 2003 AU_{2} 10 28.4 129°.71 19°.8/11.9 17

9 28	2 38.22	−25 24.4	1.090	1.943	20.8	19.3
10 8	2 31.78	−28 19.1	1.081	1.946	19.8	19.2
10 18	2 22.49	−30 30.1	1.091	1.950	20.0	19.2
10 28	2 11.84	−31 43.6	1.118	1.953	21.0	19.3
11 7	2 1.65	−31 55.5	1.161	1.956	22.7	19.5
11 17	1 53.47	−31 9.9	1.218	1.959	24.5	19.6
11 27	1 48.37	−29 36.4	1.287	1.961	26.2	19.8
12 7	1 46.70	−27 27.0	1.365	1.964	27.6	20.0

296891 2010 BS_{9} 10 28.4 299°.93 3°.3/25.3 18

9 28	2 30.83	+ 5 22.3	2.102	2.991	10.6	20.8
10 8	2 25.78	+ 4 27.4	2.032	2.979	7.4	20.5
10 18	2 19.19	+ 3 30.7	1.987	2.966	4.4	20.3
10 28	2 11.73	+ 2 37.3	1.971	2.954	3.5	20.3
11 7	2 4.24	+ 1 52.8	1.983	2.941	6.0	20.4
11 17	1 57.56	+ 1 21.5	2.023	2.929	9.3	20.6
11 27	1 52.40	+ 1 6.3	2.087	2.917	12.4	20.8
12 7	1 49.23	+ 1 8.1	2.172	2.905	15.0	20.9

207473 2006 HU_{13} 10 28.4 81°.51 3°.9/30.8 18

9 28	2 40.37	+23 16.2	1.278	2.142	17.6	19.7
10 8	2 33.16	+23 20.1	1.230	2.157	13.2	19.5
10 18	2 23.22	+23 2.2	1.203	2.172	8.2	19.3
10 28	2 11.88	+22 24.0	1.200	2.186	4.2	19.1
11 7	2 0.81	+21 31.4	1.223	2.201	5.6	19.2
11 17	1 51.55	+20 33.2	1.272	2.215	10.1	19.5
11 27	1 45.19	+19 39.2	1.344	2.229	14.5	19.8
12 7	1 42.22	+18 56.7	1.436	2.243	18.1	20.1

410901 2009 SG_{127} 10 28.4 3°.19 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 30.53	+16 4.9	1.974	2.851	11.8	21.1
10 8	2 25.61	+15 10.6	1.909	2.851	8.2	20.9
10 18	2 19.09	+14 5.4	1.869	2.851	4.3	20.6
10 28	2 11.72	+12 53.7	1.857	2.851	0.2	20.3
11 7	2 4.43	+11 41.6	1.874	2.852	4.1	20.6
11 17	1 58.07	+10 35.6	1.919	2.852	8.0	20.9
11 27	1 53.37	+ 9 41.0	1.990	2.854	11.5	21.1
12 7	1 50.78	+ 9 1.4	2.083	2.855	14.4	21.3

63165 2000 YY_{14} 10 28.4 131°.94 2°.1/30.5 18

9 28	2 32.45	+22 26.2	2.204	3.053	11.8	19.1
10 8	2 26.86	+21 53.8	2.135	3.057	8.7	18.9
10 18	2 19.71	+21 7.1	2.091	3.061	5.2	18.7
10 28	2 11.75	+20 8.7	2.075	3.064	2.3	18.5
11 7	2 3.87	+19 3.1	2.089	3.067	3.6	18.6
11 17	1 56.90	+17 56.0	2.131	3.070	6.9	18.8
11 27	1 51.56	+16 53.6	2.201	3.073	10.2	19.0
12 7	1 48.28	+16 0.7	2.294	3.076	12.9	19.2

396205 2013 RX_{93} 10 28.4 81°.11 1°.3/27.5 13 C

9 28	2 36.82	+13 52.8	1.335	2.224	15.4	21.3
10 8	2 30.31	+12 45.9	1.294	2.242	10.7	21.1
10 18	2 21.57	+11 27.7	1.277	2.260	5.4	20.8
10 28	2 11.82	+10 5.8	1.286	2.279	1.3	20.6
11 7	2 2.44	+ 8 49.6	1.322	2.297	5.8	21.0
11 17	1 54.67	+ 7 47.0	1.384	2.315	10.7	21.3
11 27	1 49.38	+ 7 3.7	1.469	2.332	14.8	21.6
12 7	1 46.98	+ 6 41.7	1.573	2.350	18.1	21.9

33263 Willhutch 10 28.4 103°.43 1°.4/27.2 18

9 28	2 32.86	+11 4.8	2.089	2.970	11.0	19.4
10 8	2 27.10	+10 26.3	2.032	2.976	7.6	19.2
10 18	2 19.81	+ 9 42.3	2.001	2.983	3.9	18.9
10 28	2 11.76	+ 8 57.0	1.998	2.990	1.4	18.8
11 7	2 3.81	+ 8 15.2	2.024	2.996	4.5	19.0
11 17	1 56.79	+ 7 41.3	2.079	3.003	8.1	19.2
11 27	1 51.39	+ 7 18.7	2.159	3.009	11.3	19.5
12 7	1 48.04	+ 7 9.4	2.261	3.016	13.9	19.7

451888 2014 JU_{30} 10 28.4 281°.44 5°.9/23.4 15

9 28	2 33.46	+11 49.8	0.975	1.886	17.7	20.9
10 8	2 28.86	+ 8 20.6	0.914	1.873	12.3	20.6
10 18	2 21.21	+ 4 24.2	0.876	1.860	7.1	20.3
10 28	2 11.82	+ 0 23.3	0.865	1.847	6.8	20.2
11 7	2 2.42	− 3 15.1	0.879	1.834	12.0	20.5
11 17	1 54.73	− 6 9.3	0.917	1.821	17.8	20.7
11 27	1 50.03	− 8 8.9	0.973	1.808	22.9	21.0
12 7	1 48.93	− 9 15.2	1.044	1.795	26.9	21.3

457804 2009 RV_{8} 10 28.4 31°.62 0°.0/28.3 18

9 28	2 33.89	+15 53.7	0.987	1.891	18.2	20.2
10 8	2 28.77	+15 13.4	0.955	1.908	12.7	20.0
10 18	2 20.92	+14 17.3	0.942	1.927	6.6	19.7
10 28	2 11.80	+13 12.9	0.953	1.946	0.2	19.3
11 7	2 3.13	+12 10.3	0.987	1.967	5.9	19.8
11 17	1 56.37	+11 18.7	1.044	1.989	11.6	20.2
11 27	1 52.55	+10 45.1	1.122	2.012	16.3	20.5
12 7	1 52.00	+10 32.2	1.218	2.036	20.1	20.9

478711 2012 UW_{45} 10 28.4 255°.70 1°.9/27.2 18

9 28	2 37.29	+ 9 4.9	1.731	2.615	12.8	21.0
10 8	2 30.61	+ 8 49.8	1.661	2.606	8.9	20.8
10 18	2 21.83	+ 8 30.7	1.616	2.598	4.7	20.5
10 28	2 11.85	+ 8 11.4	1.598	2.590	1.9	20.3
11 7	2 1.82	+ 7 56.2	1.609	2.581	5.4	20.5
11 17	1 52.86	+ 7 49.4	1.647	2.572	9.7	20.8
11 27	1 45.95	+ 7 54.2	1.710	2.563	13.6	21.0
12 7	1 41.63	+ 8 12.2	1.793	2.554	16.8	21.2

136511 2005 MQ_{45} 10 28.4 298°.31 5°.6/24.5 18

9 28	2 34.66	+ 2 54.0	1.400	2.300	14.1	19.7
10 8	2 28.99	+ 1 42.1	1.343	2.292	10.2	19.5
10 18	2 21.04	+ 0 30.4	1.308	2.285	6.6	19.3
10 28	2 11.82	− 0 32.2	1.300	2.277	5.9	19.2
11 7	2 2.63	− 1 17.5	1.317	2.270	9.0	19.4
11 17	1 54.72	− 1 39.8	1.359	2.263	13.1	19.6
11 27	1 49.11	− 1 36.9	1.422	2.256	16.9	19.8
12 7	1 46.34	− 1 10.0	1.502	2.250	20.1	20.0

176696 2002 QJ_{15} 10 28.4 102°.11 6°.2/ 2.3 16

9 28	2 42.47	+31 6.9	1.666	2.481	16.5	20.7
10 8	2 34.25	+31 21.5	1.616	2.505	13.1	20.5
10 18	2 23.66	+31 11.2	1.588	2.528	9.5	20.3
10 28	2 11.92	+30 35.4	1.585	2.551	6.7	20.2
11 7	2 0.49	+29 38.4	1.610	2.573	6.6	20.3
11 17	1 50.69	+28 27.9	1.662	2.594	9.1	20.5
11 27	1 43.52	+27 13.7	1.740	2.615	12.3	20.7
12 7	1 39.42	+26 4.9	1.840	2.635	15.2	21.0

261839 2006 DS_{68} 10 28.4 254°.66 4°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.77	− 1 29.7	2.321	3.203	10.0	20.4
10 8	2 26.96	− 2 9.2	2.260	3.197	7.4	20.2
10 18	2 19.74	− 2 44.4	2.226	3.191	5.3	20.1
10 28	2 11.77	− 3 10.4	2.219	3.185	5.0	20.1
11 7	2 3.84	− 3 23.6	2.241	3.179	6.9	20.2
11 17	1 56.70	− 3 21.5	2.291	3.173	9.5	20.3
11 27	1 51.00	− 3 3.4	2.365	3.167	12.1	20.5
12 7	1 47.17	− 2 30.0	2.460	3.161	14.3	20.7

29457 Marcopolo 10 28.4 49°.66 0°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.75	+14 16.4	1.235	2.129	16.1	18.1
10 8	2 29.69	+13 31.0	1.199	2.148	11.2	17.8
10 18	2 21.30	+12 34.1	1.184	2.168	5.7	17.6
10 28	2 11.83	+11 32.2	1.194	2.188	0.7	17.3
11 7	2 2.75	+10 33.8	1.231	2.208	5.6	17.7
11 17	1 55.35	+ 9 46.3	1.292	2.229	10.6	18.1
11 27	1 50.52	+ 9 15.5	1.376	2.250	14.9	18.4
12 7	1 48.67	+ 9 3.5	1.479	2.272	18.4	18.7

288954 2004 TT_{3} 10 28.4 123°.71 1°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.97	+17 25.8	2.345	3.204	10.8	21.0
10 8	2 28.51	+17 24.2	2.282	3.212	7.7	20.8
10 18	2 20.55	+17 13.7	2.245	3.220	4.3	20.6
10 28	2 11.81	+16 56.1	2.236	3.228	1.2	20.4
11 7	2 3.13	+16 34.3	2.258	3.236	3.4	20.5
11 17	1 55.32	+16 12.0	2.309	3.244	6.7	20.8
11 27	1 49.08	+15 53.0	2.387	3.251	9.8	21.0
12 7	1 44.84	+15 40.6	2.489	3.258	12.4	21.2

471069 2009 VU_{92} 10 28.4 350°.16 10°.1/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 23.99	+32 28.3	0.869	1.745	22.8	19.8
10 8	2 22.90	+33 7.6	0.807	1.728	18.9	19.5
10 18	2 18.41	+33 7.2	0.760	1.713	14.7	19.2
10 28	2 11.72	+32 21.9	0.730	1.700	11.1	19.0
11 7	2 4.79	+30 55.2	0.720	1.691	10.3	18.9
11 17	1 59.64	+28 59.4	0.729	1.684	13.2	19.0
11 27	1 57.92	+26 53.7	0.756	1.680	17.6	19.2
12 7	2 0.33	+24 56.1	0.801	1.680	22.1	19.5

205169 2000 AV_{215} 10 28.4 317°.65 3°.2/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.39	+20 57.0	1.494	2.363	15.3	19.8
10 8	2 29.85	+21 15.6	1.411	2.342	11.4	19.5
10 18	2 21.69	+21 18.7	1.350	2.321	7.1	19.2
10 28	2 11.86	+21 6.2	1.314	2.302	3.5	18.9
11 7	2 1.69	+20 41.0	1.304	2.282	5.2	19.0
11 17	1 52.63	+20 8.8	1.320	2.263	9.8	19.2
11 27	1 45.93	+19 37.3	1.359	2.245	14.3	19.4
12 7	1 42.38	+19 13.3	1.419	2.228	18.2	19.6

361889 2008 FV_{89} 10 28.4 278°.26 3°.5/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.23	+23 22.2	1.956	2.802	13.2	21.4
10 8	2 29.88	+23 38.0	1.877	2.793	10.0	21.1
10 18	2 21.48	+23 39.1	1.821	2.784	6.5	20.9
10 28	2 11.86	+23 25.5	1.792	2.775	3.7	20.7
11 7	2 2.11	+22 59.7	1.792	2.766	4.6	20.8
11 17	1 53.32	+22 26.3	1.819	2.757	8.0	21.0
11 27	1 46.47	+21 51.4	1.873	2.748	11.5	21.2
12 7	1 42.13	+21 21.0	1.949	2.739	14.6	21.4

358699 2008 AC_{61} 10 28.4 260°.95 4°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.73	+ 4 2.6	1.951	2.840	11.2	21.6
10 8	2 27.17	+ 3 3.8	1.887	2.833	8.0	21.4
10 18	2 19.94	+ 2 4.4	1.849	2.826	4.9	21.2
10 28	2 11.80	+ 1 10.3	1.839	2.819	4.2	21.1
11 7	2 3.68	+ 0 27.3	1.857	2.811	6.7	21.3
11 17	1 56.48	− 0 0.2	1.902	2.804	10.1	21.5
11 27	1 50.96	− 0 9.6	1.971	2.797	13.2	21.7
12 7	1 47.60	− 0 0.9	2.061	2.789	15.9	21.9

371414 2006 SZ_{48} 10 28.4 8°.07 3°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.59	+10 55.9	1.090	2.000	16.4	19.9
10 8	2 27.18	+ 9 28.9	1.042	2.000	11.3	19.6
10 18	2 20.17	+ 7 50.8	1.016	2.001	6.0	19.3
10 28	2 11.81	+ 6 12.3	1.014	2.003	3.4	19.2
11 7	2 3.61	+ 4 45.8	1.035	2.007	7.8	19.4
11 17	1 57.00	+ 3 41.0	1.081	2.011	13.1	19.7
11 27	1 53.04	+ 3 4.0	1.146	2.016	17.6	20.0
12 7	1 52.21	+ 2 55.2	1.229	2.022	21.4	20.3

485819 2012 DY_{55} 10 28.4 190°.02 3°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.59	+27 20.3	2.705	3.521	10.8	21.9
10 8	2 28.27	+27 27.5	2.625	3.520	8.4	21.7
10 18	2 20.46	+27 20.9	2.571	3.519	5.9	21.5
10 28	2 11.82	+27 0.6	2.544	3.517	3.9	21.4
11 7	2 3.16	+26 28.7	2.547	3.515	4.1	21.4
11 17	1 55.25	+25 48.9	2.580	3.512	6.3	21.6
11 27	1 48.79	+25 5.9	2.641	3.509	8.8	21.7
12 7	1 44.23	+24 24.7	2.726	3.506	11.2	21.9

23906 1998 SB_{72} 10 28.4 42°.61 1°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.80	+11 38.0	1.867	2.751	12.0	18.5
10 8	2 27.16	+11 9.6	1.818	2.763	8.3	18.3
10 18	2 19.89	+10 35.2	1.793	2.776	4.2	18.1
10 28	2 11.80	+ 9 59.1	1.796	2.789	1.1	17.9
11 7	2 3.87	+ 9 25.9	1.828	2.802	4.6	18.1
11 17	1 56.99	+ 9 0.1	1.887	2.816	8.4	18.4
11 27	1 51.91	+ 8 45.1	1.971	2.830	11.8	18.6
12 7	1 49.03	+ 8 42.9	2.077	2.844	14.6	18.9

412746 2014 OO_{363} 10 28.4 11°.99 0°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.06	+12 58.4	1.934	2.814	11.8	21.1
10 8	2 27.42	+12 34.9	1.872	2.815	8.2	20.9
10 18	2 20.07	+12 4.3	1.834	2.816	4.3	20.6
10 28	2 11.81	+11 29.9	1.824	2.817	0.6	20.4
11 7	2 3.59	+10 56.4	1.842	2.819	4.3	20.7
11 17	1 56.35	+10 28.3	1.889	2.820	8.2	20.9
11 27	1 50.86	+10 9.7	1.961	2.822	11.7	21.1
12 7	1 47.59	+10 3.0	2.054	2.824	14.7	21.3

92186 1999 XP_{209} 10 28.4 342°.14 0°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.42	+14 58.0	1.851	2.725	12.5	18.6
10 8	2 29.25	+15 12.1	1.781	2.719	8.9	18.3
10 18	2 21.12	+15 18.4	1.735	2.714	4.8	18.1
10 28	2 11.85	+15 18.3	1.716	2.709	0.8	17.8
11 7	2 2.52	+15 14.7	1.726	2.705	4.1	18.0
11 17	1 54.17	+15 11.1	1.763	2.701	8.3	18.3
11 27	1 47.73	+15 11.6	1.826	2.697	12.0	18.5
12 7	1 43.76	+15 19.4	1.911	2.694	15.2	18.7

253480 2003 SK_{71} 10 28.4 337°.91 4°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.30	+23 26.8	1.269	2.136	17.6	20.0
10 8	2 32.06	+23 47.9	1.205	2.132	13.3	19.7
10 18	2 22.87	+23 47.9	1.161	2.129	8.6	19.5
10 28	2 11.93	+23 26.4	1.141	2.126	4.8	19.2
11 7	2 0.89	+22 47.5	1.147	2.124	6.1	19.3
11 17	1 51.41	+21 58.8	1.177	2.121	10.6	19.6
11 27	1 44.83	+21 10.5	1.230	2.120	15.2	19.8
12 7	1 41.80	+20 31.1	1.302	2.118	19.1	20.1

223812 2004 TN_{75} 10 28.4 352°.49 1°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.27	+ 9 7.1	1.658	2.541	13.2	19.4
10 8	2 31.38	+ 9 38.2	1.591	2.536	9.3	19.1
10 18	2 22.28	+10 7.5	1.549	2.531	4.9	18.9
10 28	2 11.90	+10 36.5	1.535	2.528	1.0	18.6
11 7	2 1.46	+11 7.0	1.549	2.525	4.9	18.9
11 17	1 52.16	+11 40.9	1.590	2.523	9.4	19.1
11 27	1 45.01	+12 20.3	1.657	2.521	13.3	19.4
12 7	1 40.59	+13 6.5	1.744	2.521	16.6	19.6

317628 2003 BD_{83} 10 28.4 334°.73 3°.5/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.58	+20 58.9	1.451	2.322	15.5	20.1
10 8	2 29.29	+21 26.2	1.374	2.306	11.6	19.8
10 18	2 21.40	+21 38.3	1.319	2.290	7.3	19.5
10 28	2 11.88	+21 34.8	1.288	2.276	3.7	19.3
11 7	2 2.08	+21 18.4	1.284	2.262	5.3	19.4
11 17	1 53.46	+20 54.4	1.305	2.250	9.8	19.6
11 27	1 47.24	+20 30.0	1.349	2.238	14.2	19.8
12 7	1 44.16	+20 12.1	1.414	2.228	18.0	20.0

213032 1997 TX_{3} 10 28.4 43°.50 2°.1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.12	+18 52.3	1.634	2.501	14.2	20.6
10 8	2 30.52	+19 7.1	1.578	2.511	10.3	20.4
10 18	2 21.77	+19 9.0	1.546	2.521	6.0	20.1
10 28	2 11.89	+18 59.4	1.541	2.531	2.3	19.9
11 7	2 2.11	+18 41.6	1.563	2.542	4.4	20.1
11 17	1 53.62	+18 20.7	1.612	2.553	8.6	20.4
11 27	1 47.35	+18 2.5	1.687	2.564	12.5	20.6
12 7	1 43.83	+17 51.7	1.783	2.576	15.7	20.9

43937 1996 TS_{25} 10 28.4 219°.37 0°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.33	+13 23.9	1.652	2.528	13.7	19.6
10 8	2 32.17	+13 12.1	1.581	2.522	9.7	19.3
10 18	2 22.71	+12 51.6	1.534	2.515	5.1	19.1
10 28	2 11.93	+12 25.5	1.514	2.508	0.3	18.7
11 7	2 1.09	+11 58.3	1.523	2.500	4.9	19.0
11 17	1 51.43	+11 35.5	1.560	2.492	9.6	19.3
11 27	1 43.99	+11 21.8	1.621	2.483	13.7	19.5
12 7	1 39.37	+11 20.8	1.703	2.474	17.2	19.7

356067 2009 DH_{62} 10 28.4 353°.09 1°.2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.24	+11 41.9	1.537	2.427	13.7	21.1
10 8	2 28.61	+11 16.3	1.476	2.424	9.6	20.9
10 18	2 20.83	+10 43.2	1.439	2.422	4.9	20.6
10 28	2 11.88	+10 7.1	1.428	2.421	1.2	20.4
11 7	2 2.96	+ 9 33.7	1.444	2.419	5.3	20.7
11 17	1 55.24	+ 9 8.5	1.486	2.419	9.9	20.9
11 27	1 49.68	+ 8 56.2	1.552	2.419	14.0	21.2
12 7	1 46.81	+ 8 58.9	1.638	2.419	17.4	21.4

454324 2014 KP_{45} 10 28.4 325°.24 22°.0/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.48	−27 23.9	0.874	1.721	25.2	20.4
10 8	2 42.12	−27 59.3	0.829	1.704	23.4	20.3
10 18	2 28.37	−27 43.0	0.798	1.689	22.2	20.1
10 28	2 12.19	−26 17.8	0.783	1.674	22.1	20.1
11 7	1 56.25	−23 38.9	0.786	1.661	23.5	20.1
11 17	1 43.04	−19 56.0	0.807	1.649	26.0	20.2
11 27	1 34.21	−15 28.4	0.844	1.638	28.9	20.4
12 7	1 30.25	−10 37.8	0.896	1.629	31.6	20.6

182760 2001 XX_{162} 10 28.4 27°.14 0°.5/28.8 18

9 28	2 33.17	+16 24.9	1.783	2.658	12.8	20.1
10 8	2 27.62	+15 59.2	1.722	2.662	9.1	19.9
10 18	2 20.22	+15 22.6	1.686	2.666	4.9	19.7
10 28	2 11.85	+14 38.4	1.677	2.670	0.6	19.4
11 7	2 3.56	+13 51.8	1.696	2.675	4.1	19.7
11 17	1 56.36	+13 8.7	1.742	2.679	8.3	19.9
11 27	1 51.06	+12 34.3	1.814	2.684	12.1	20.2
12 7	1 48.14	+12 12.3	1.907	2.690	15.2	20.4

130408 2000 ON_{32} 10 28.4 61°.79 0°.4/28.7 18

9 28	2 37.53	+18 5.0	1.113	2.002	17.8	18.9
10 8	2 31.06	+17 0.8	1.080	2.026	12.5	18.6
10 18	2 22.04	+15 38.7	1.068	2.050	6.6	18.4
10 28	2 11.92	+14 6.7	1.081	2.074	0.5	18.1
11 7	2 2.35	+12 36.2	1.119	2.099	5.6	18.5
11 17	1 54.73	+11 17.6	1.182	2.123	11.0	18.9
11 27	1 49.96	+10 18.9	1.268	2.148	15.6	19.2
12 7	1 48.39	+ 9 43.2	1.372	2.172	19.2	19.5

445322 2010 GX_{24} 10 28.4 160°.78 4°.9/23.5 18

9 28	2 33.60	− 0 7.6	2.254	3.136	10.2	21.8
10 8	2 27.50	− 1 24.2	2.205	3.143	7.5	21.6
10 18	2 20.02	− 2 37.6	2.183	3.149	5.3	21.5
10 28	2 11.85	− 3 41.9	2.190	3.154	5.2	21.5
11 7	2 3.80	− 4 31.6	2.226	3.159	7.2	21.7
11 17	1 56.64	− 5 3.5	2.289	3.163	9.9	21.8
11 27	1 50.99	− 5 16.2	2.377	3.166	12.4	22.0
12 7	1 47.24	− 5 10.3	2.484	3.169	14.5	22.2

323310 2003 UQ_{95} 10 28.4 39°.60 0°.9/28.8 17

9 28	2 40.33	+14 37.7	1.080	1.974	17.9	20.1
10 8	2 33.36	+14 58.3	1.039	1.986	12.7	19.8
10 18	2 23.43	+15 7.1	1.018	2.000	6.8	19.6
10 28	2 11.99	+15 6.4	1.020	2.013	1.0	19.2
11 7	2 0.84	+15 0.6	1.048	2.028	5.7	19.6
11 17	1 51.63	+14 55.8	1.100	2.043	11.3	20.0
11 27	1 45.56	+14 57.9	1.173	2.059	16.0	20.3
12 7	1 43.08	+15 10.8	1.265	2.076	19.9	20.6

517297 2014 HY_{41} 10 28.4 276°.06 0°.5/28.8 18

9 28	2 34.67	+16 43.4	1.767	2.640	13.1	21.9
10 8	2 28.89	+16 15.4	1.686	2.624	9.4	21.6
10 18	2 21.02	+15 34.9	1.629	2.608	5.1	21.4
10 28	2 11.91	+14 45.0	1.599	2.592	0.7	21.0
11 7	2 2.66	+13 51.0	1.597	2.575	4.4	21.3
11 17	1 54.40	+12 59.4	1.623	2.559	8.9	21.5
11 27	1 48.11	+12 16.6	1.673	2.542	13.0	21.7
12 7	1 44.38	+11 47.3	1.745	2.526	16.5	21.9

72472 2001 DX_{32} 10 28.4 124°.09 1°.0/27.4 18

9 28	2 32.27	+11 26.2	2.468	3.342	9.8	19.7
10 8	2 26.54	+10 52.8	2.410	3.352	6.7	19.5
10 18	2 19.51	+10 14.6	2.380	3.361	3.5	19.3
10 28	2 11.84	+ 9 35.0	2.378	3.370	1.0	19.2
11 7	2 4.27	+ 8 57.9	2.406	3.379	3.8	19.4
11 17	1 57.50	+ 8 26.7	2.464	3.388	7.0	19.6
11 27	1 52.11	+ 8 4.7	2.549	3.396	9.9	19.8
12 7	1 48.50	+ 7 53.6	2.656	3.404	12.2	20.0

435490 2008 GW_{36} 10 28.4 246°.57 3°.2/25.9 17

9 28	2 35.68	+ 8 3.4	1.656	2.544	12.9	21.5
10 8	2 29.58	+ 6 56.5	1.583	2.531	9.1	21.2
10 18	2 21.36	+ 5 43.4	1.536	2.517	5.1	21.0
10 28	2 11.92	+ 4 31.0	1.516	2.503	3.4	20.8
11 7	2 2.42	+ 3 27.0	1.524	2.488	6.8	21.0
11 17	1 53.98	+ 2 38.2	1.559	2.473	11.0	21.2
11 27	1 47.59	+ 2 9.3	1.617	2.457	14.9	21.4
12 7	1 43.82	+ 2 1.7	1.695	2.441	18.2	21.6

228573 2001 YC_{8} 10 28.4 259°.72 4°.0/25.5 18

9 28	2 35.87	+ 4 32.1	1.721	2.610	12.5	20.3
10 8	2 29.64	+ 3 44.4	1.650	2.596	8.9	20.1
10 18	2 21.37	+ 2 55.5	1.605	2.583	5.4	19.8
10 28	2 11.93	+ 2 11.5	1.586	2.569	4.2	19.7
11 7	2 2.41	+ 1 38.6	1.595	2.554	7.1	19.9
11 17	1 53.92	+ 1 21.4	1.631	2.540	11.0	20.1
11 27	1 47.40	+ 1 22.8	1.691	2.525	14.7	20.3
12 7	1 43.42	+ 1 42.9	1.770	2.510	17.7	20.5

186587 2003 AZ_{79} 10 28.4 244°.19 4°.1/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.48	+26 15.0	2.319	3.143	12.1	20.8
10 8	2 30.62	+26 37.4	2.230	3.130	9.4	20.6
10 18	2 21.87	+26 45.3	2.165	3.116	6.5	20.4
10 28	2 11.95	+26 37.9	2.128	3.102	4.3	20.3
11 7	2 1.85	+26 16.9	2.120	3.088	4.7	20.3
11 17	1 52.55	+25 45.8	2.141	3.074	7.4	20.4
11 27	1 44.95	+25 10.2	2.190	3.059	10.4	20.6
12 7	1 39.66	+24 35.8	2.262	3.043	13.1	20.8

189513 2000 GA_{49} 10 28.4 199°.00 0°.4/28.1 18

9 28	2 35.68	+15 12.8	1.841	2.715	12.6	21.1
10 8	2 29.37	+14 23.5	1.772	2.712	8.9	20.9
10 18	2 21.16	+13 23.0	1.728	2.709	4.6	20.7
10 28	2 11.92	+12 15.8	1.712	2.705	0.4	20.3
11 7	2 2.73	+11 8.2	1.725	2.701	4.5	20.6
11 17	1 54.60	+10 6.9	1.766	2.697	8.8	20.9
11 27	1 48.39	+ 9 17.7	1.833	2.691	12.6	21.1
12 7	1 44.60	+ 8 44.3	1.922	2.686	15.7	21.3

365027 2008 RO_{128} 10 28.4 104°.21 5°.2/22.5 18

9 28	2 30.43	− 2 18.6	2.492	3.375	9.4	21.2
10 8	2 25.19	− 3 41.1	2.455	3.389	7.0	21.1
10 18	2 18.78	− 4 58.5	2.444	3.403	5.4	21.0
10 28	2 11.83	− 6 5.3	2.463	3.417	5.5	21.1
11 7	2 5.02	− 6 56.8	2.510	3.430	7.2	21.2
11 17	1 58.98	− 7 30.4	2.584	3.444	9.4	21.4
11 27	1 54.26	− 7 45.0	2.682	3.457	11.5	21.5
12 7	1 51.19	− 7 41.7	2.800	3.469	13.3	21.7

519260 2011 AM_{69} 10 28.4 47°.20 5°.3/23.9 18

9 28	2 32.55	− 1 54.4	2.124	3.010	10.7	20.9
10 8	2 26.87	− 2 40.6	2.076	3.013	7.9	20.7
10 18	2 19.73	− 3 21.4	2.053	3.017	5.7	20.6
10 28	2 11.87	− 3 51.6	2.057	3.022	5.5	20.6
11 7	2 4.13	− 4 7.1	2.090	3.026	7.4	20.7
11 17	1 57.28	− 4 5.7	2.149	3.030	10.1	20.9
11 27	1 52.00	− 3 46.9	2.232	3.035	12.7	21.1
12 7	1 48.68	− 3 11.8	2.335	3.039	14.9	21.3

166464 2002 PQ_{96} 10 28.4 50°.58 0°.4/28.2 18

9 28	2 35.11	+13 48.1	1.605	2.488	13.6	19.5
10 8	2 29.05	+13 24.4	1.553	2.497	9.5	19.3
10 18	2 21.00	+12 51.6	1.524	2.506	4.9	19.0
10 28	2 11.93	+12 13.9	1.523	2.516	0.4	18.7
11 7	2 3.02	+11 36.7	1.549	2.526	4.7	19.1
11 17	1 55.35	+11 5.5	1.602	2.536	9.2	19.4
11 27	1 49.81	+10 45.2	1.679	2.547	13.0	19.6
12 7	1 46.86	+10 38.3	1.777	2.557	16.2	19.9

237175 2008 UZ_{155} 10 28.4 55°.78 0°.4/28.8 18

9 28	2 34.56	+17 4.1	1.522	2.402	14.4	19.6
10 8	2 28.77	+16 24.4	1.469	2.410	10.2	19.4
10 18	2 20.88	+15 30.9	1.439	2.419	5.5	19.2
10 28	2 11.93	+14 28.6	1.435	2.428	0.6	18.8
11 7	2 3.15	+13 24.3	1.458	2.438	4.6	19.2
11 17	1 55.69	+12 25.6	1.509	2.447	9.3	19.5
11 27	1 50.46	+11 39.1	1.583	2.457	13.4	19.7
12 7	1 47.90	+11 8.6	1.678	2.466	16.7	20.0

76989 2001 BR_{69} 10 28.4 222°.76 1°.5/27.4 18

9 28	2 37.86	+11 8.0	1.630	2.512	13.5	20.1
10 8	2 31.12	+10 37.0	1.561	2.506	9.4	19.9
10 18	2 22.19	+ 9 58.7	1.517	2.499	4.9	19.6
10 28	2 12.00	+ 9 17.7	1.500	2.492	1.5	19.4
11 7	2 1.78	+ 8 39.7	1.511	2.485	5.5	19.6
11 17	1 52.73	+ 8 10.3	1.550	2.477	10.0	19.9
11 27	1 45.85	+ 7 54.4	1.612	2.469	14.1	20.1
12 7	1 41.72	+ 7 54.1	1.695	2.460	17.5	20.3

354460 2004 BO_{86} 10 28.4 331°.57 9°.0/21.9 18

9 28	2 32.93	− 6 33.1	1.470	2.364	13.9	19.8
10 8	2 27.76	− 7 46.1	1.417	2.352	11.1	19.6
10 18	2 20.44	− 8 48.1	1.386	2.340	9.2	19.5
10 28	2 11.93	− 9 29.6	1.379	2.328	9.4	19.5
11 7	2 3.43	− 9 44.0	1.397	2.318	11.7	19.6
11 17	1 56.12	− 9 28.4	1.438	2.308	14.8	19.7
11 27	1 50.96	− 8 43.7	1.498	2.299	17.9	19.9
12 7	1 48.47	− 7 34.2	1.575	2.290	20.6	20.1

118176 1992 BK_{3} 10 28.4 240°.38 5°.5/ 1.8 18

9 28	2 37.07	+29 47.6	1.720	2.546	15.6	19.9
10 8	2 30.77	+29 43.5	1.640	2.538	12.3	19.6
10 18	2 22.08	+29 15.6	1.583	2.530	8.8	19.4
10 28	2 12.00	+28 23.3	1.550	2.522	6.0	19.2
11 7	2 1.84	+27 10.5	1.544	2.513	6.0	19.2
11 17	1 52.91	+25 44.8	1.566	2.505	9.0	19.4
11 27	1 46.29	+24 16.3	1.614	2.496	12.6	19.6
12 7	1 42.60	+22 54.5	1.683	2.486	16.0	19.8

378637 2008 FM_{129} 10 28.4 128°.04 1°.7/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.06	+10 4.5	1.605	2.487	13.6	20.9
10 8	2 31.81	+ 9 43.5	1.551	2.496	9.5	20.7
10 18	2 22.46	+ 9 17.3	1.522	2.504	4.9	20.4
10 28	2 12.02	+ 8 50.1	1.520	2.512	1.7	20.2
11 7	2 1.75	+ 8 27.0	1.547	2.520	5.4	20.5
11 17	1 52.79	+ 8 12.5	1.600	2.527	9.8	20.8
11 27	1 46.08	+ 8 10.2	1.679	2.534	13.7	21.0
12 7	1 42.10	+ 8 21.7	1.777	2.541	16.9	21.3

474855 2005 SO_{92} 10 28.4 30°.55 0°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.48	+15 18.3	1.124	2.022	17.0	20.9
10 8	2 29.13	+14 45.3	1.083	2.033	11.9	20.6
10 18	2 21.19	+13 58.2	1.062	2.046	6.2	20.4
10 28	2 11.97	+13 3.3	1.066	2.059	0.2	20.0
11 7	2 3.04	+12 9.0	1.094	2.074	5.7	20.4
11 17	1 55.82	+11 23.6	1.146	2.089	11.0	20.8
11 27	1 51.34	+10 53.7	1.220	2.105	15.7	21.1
12 7	1 50.03	+10 42.5	1.313	2.122	19.4	21.4

276782 2004 JP_{28} 10 28.4 157°.50 0°.4/28.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.41	+14 54.1	1.923	2.793	12.3	21.8
10 8	2 29.74	+14 6.1	1.862	2.801	8.6	21.6
10 18	2 21.31	+13 8.1	1.827	2.807	4.4	21.3
10 28	2 11.98	+12 4.6	1.820	2.814	0.4	21.0
11 7	2 2.78	+11 1.5	1.843	2.819	4.3	21.4
11 17	1 54.68	+10 4.9	1.895	2.824	8.4	21.6
11 27	1 48.46	+ 9 20.0	1.972	2.828	12.0	21.9
12 7	1 44.56	+ 8 49.8	2.072	2.831	14.9	22.1

333274 1994 AS_{7} 10 28.4 334°.56 4°.4/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.82	+ 5 40.9	1.249	2.151	15.3	20.9
10 8	2 30.05	+ 4 50.0	1.194	2.147	10.8	20.6
10 18	2 21.74	+ 3 56.8	1.161	2.142	6.3	20.4
10 28	2 12.01	+ 3 9.4	1.153	2.138	4.6	20.3
11 7	2 2.33	+ 2 35.7	1.170	2.135	8.2	20.5
11 17	1 54.11	+ 2 21.5	1.211	2.131	12.9	20.7
11 27	1 48.44	+ 2 29.6	1.273	2.129	17.2	21.0
12 7	1 45.90	+ 2 59.5	1.353	2.126	20.7	21.2

357619 2005 EZ_{70} 10 28.4 319°.35 19°.9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.51	+48 26.1	1.104	1.858	26.6	20.1
10 8	2 40.27	+50 57.5	1.042	1.849	24.5	19.9
10 18	2 28.44	+52 48.8	0.994	1.840	22.4	19.7
10 28	2 12.33	+53 43.7	0.960	1.832	20.7	19.5
11 7	1 54.98	+53 33.1	0.943	1.825	19.9	19.5
11 17	1 40.10	+52 20.2	0.943	1.817	20.3	19.5
11 27	1 30.64	+50 21.3	0.960	1.811	21.8	19.6
12 7	1 27.73	+47 59.0	0.992	1.805	24.0	19.7

289346 2005 BH_{9} 10 28.4 264°.86 5°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.45	− 4 9.4	2.387	3.268	9.8	20.4
10 8	2 26.07	− 5 4.5	2.329	3.261	7.5	20.2
10 18	2 19.35	− 5 53.8	2.297	3.253	5.9	20.1
10 28	2 11.92	− 6 32.0	2.293	3.246	5.9	20.1
11 7	2 4.52	− 6 55.0	2.317	3.239	7.6	20.2
11 17	1 57.87	− 7 0.4	2.367	3.231	10.0	20.4
11 27	1 52.59	− 6 47.4	2.441	3.224	12.3	20.5
12 7	1 49.09	− 6 17.3	2.535	3.216	14.3	20.7

247509 2002 PN_{119} 10 28.4 128°.70 5°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.71	+30 45.6	2.059	2.868	14.0	21.1
10 8	2 30.81	+30 54.8	1.993	2.878	11.1	20.9
10 18	2 21.94	+30 43.7	1.950	2.888	8.1	20.7
10 28	2 12.03	+30 12.0	1.933	2.897	5.8	20.6
11 7	2 2.21	+29 22.6	1.944	2.906	5.7	20.6
11 17	1 53.53	+28 21.1	1.983	2.915	7.9	20.8
11 27	1 46.87	+27 15.2	2.049	2.923	10.7	21.0
12 7	1 42.74	+26 12.2	2.138	2.931	13.4	21.2

137407 1999 TK_{180} 10 28.4 17°.74 2°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.88	+18 28.3	1.149	2.034	17.7	19.2
10 8	2 32.52	+18 57.9	1.096	2.037	12.9	18.9
10 18	2 23.15	+19 11.9	1.064	2.041	7.6	18.6
10 28	2 12.09	+19 10.6	1.055	2.046	3.0	18.4
11 7	2 1.08	+18 58.0	1.071	2.051	5.7	18.6
11 17	1 51.80	+18 40.5	1.112	2.058	10.9	18.9
11 27	1 45.54	+18 26.0	1.174	2.065	15.7	19.2
12 7	1 42.90	+18 20.6	1.256	2.073	19.6	19.5

190951 2001 VU_{62} 10 28.4 312°.58 1°.9/29.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.35	+18 53.5	1.414	2.291	15.4	19.4
10 8	2 29.81	+18 46.5	1.340	2.278	11.3	19.1
10 18	2 21.71	+18 23.6	1.288	2.265	6.5	18.8
10 28	2 12.03	+17 46.8	1.260	2.252	2.1	18.5
11 7	2 2.19	+17 1.4	1.259	2.240	5.0	18.7
11 17	1 53.58	+16 14.6	1.284	2.228	10.0	18.9
11 27	1 47.42	+15 34.5	1.332	2.216	14.7	19.2
12 7	1 44.37	+15 7.2	1.400	2.205	18.6	19.4

451845 2013 LW_{3} 10 28.4 26°.48 3°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.50	+ 5 8.5	1.893	2.780	11.6	20.4
10 8	2 28.42	+ 4 49.9	1.839	2.784	8.2	20.2
10 18	2 20.64	+ 4 31.4	1.810	2.789	4.7	20.0
10 28	2 11.99	+ 4 17.2	1.808	2.794	3.1	19.9
11 7	2 3.44	+ 4 11.0	1.835	2.800	5.8	20.1
11 17	1 55.92	+ 4 15.8	1.889	2.805	9.3	20.3
11 27	1 50.18	+ 4 33.2	1.969	2.811	12.5	20.6
12 7	1 46.67	+ 5 3.3	2.069	2.818	15.2	20.8

112302 2002 LC_{44} 10 28.4 190°.07 3°.2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.08	+23 22.0	1.707	2.556	14.7	20.7
10 8	2 32.03	+23 11.0	1.635	2.555	11.0	20.5
10 18	2 22.70	+22 41.6	1.587	2.554	6.9	20.3
10 28	2 12.09	+21 55.2	1.566	2.552	3.4	20.0
11 7	2 1.47	+20 56.4	1.572	2.550	4.7	20.1
11 17	1 52.11	+19 52.4	1.607	2.546	8.7	20.4
11 27	1 45.02	+18 51.5	1.667	2.543	12.7	20.6
12 7	1 40.78	+18 0.5	1.750	2.538	16.1	20.8

174643 2003 SF_{145} 10 28.4 26°.66 8°.3/ 1.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.89	+28 36.7	0.951	1.820	21.9	18.3
10 8	2 32.27	+29 34.1	0.911	1.832	17.3	18.1
10 18	2 23.13	+29 59.6	0.889	1.846	12.5	17.9
10 28	2 12.10	+29 50.0	0.887	1.861	8.8	17.8
11 7	2 1.32	+29 9.8	0.907	1.878	8.9	17.9
11 17	1 52.78	+28 9.8	0.949	1.895	12.3	18.1
11 27	1 47.85	+27 4.2	1.011	1.914	16.4	18.4
12 7	1 46.99	+26 5.2	1.092	1.934	20.2	18.7

151317 2002 CH_{121} 10 28.4 277°.63 1°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.58	+11 7.1	2.040	2.922	11.2	20.4
10 8	2 27.09	+10 27.9	1.973	2.918	7.8	20.2
10 18	2 19.97	+ 9 42.5	1.931	2.913	4.0	19.9
10 28	2 11.97	+ 8 55.3	1.917	2.909	1.4	19.7
11 7	2 3.99	+ 8 11.3	1.932	2.905	4.6	19.9
11 17	1 56.89	+ 7 35.1	1.975	2.900	8.4	20.2
11 27	1 51.43	+ 7 10.8	2.044	2.896	11.7	20.4
12 7	1 48.07	+ 7 0.4	2.134	2.892	14.6	20.6

521727 2015 RJ_{269} 10 28.4 327°.03 2°.0/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.50	+19 28.0	1.717	2.585	13.7	21.7
10 8	2 28.83	+19 26.7	1.645	2.577	10.0	21.5
10 18	2 21.04	+19 11.8	1.595	2.570	5.9	21.2
10 28	2 12.02	+18 45.0	1.572	2.563	2.2	21.0
11 7	2 2.92	+18 10.3	1.577	2.556	4.3	21.1
11 17	1 54.89	+17 33.3	1.608	2.550	8.6	21.4
11 27	1 48.90	+17 0.1	1.665	2.544	12.5	21.6
12 7	1 45.54	+16 36.1	1.743	2.538	15.9	21.8

482082 2010 EM_{127} 10 28.4 139°.34 0°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.54	+10 57.8	2.196	3.065	11.0	21.3
10 8	2 31.04	+10 50.8	2.139	3.077	7.7	21.1
10 18	2 21.96	+10 39.2	2.108	3.089	4.0	20.9
10 28	2 12.06	+10 25.8	2.107	3.100	0.9	20.7
11 7	2 2.29	+10 13.7	2.136	3.110	4.1	21.0
11 17	1 53.52	+10 5.9	2.195	3.120	7.7	21.2
11 27	1 46.46	+10 5.5	2.281	3.129	10.8	21.4
12 7	1 41.56	+10 14.1	2.390	3.138	13.4	21.7

102827 1999 VU_{184} 10 28.5 0°.29 1°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.90	+13 6.0	1.382	2.278	14.5	19.1
10 8	2 27.14	+12 7.6	1.325	2.276	10.1	18.8
10 18	2 20.16	+10 57.9	1.291	2.275	5.2	18.6
10 28	2 11.99	+ 9 43.8	1.282	2.275	1.5	18.3
11 7	2 3.90	+ 8 33.8	1.300	2.275	5.8	18.6
11 17	1 57.09	+ 7 35.9	1.343	2.276	10.7	18.9
11 27	1 52.54	+ 6 56.4	1.408	2.278	14.9	19.2
12 7	1 50.75	+ 6 37.7	1.493	2.281	18.5	19.4

235937 2005 EY_{132} 10 28.5 257°.27 2°.5/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.69	+21 30.8	2.536	3.377	10.7	19.9
10 8	2 29.20	+21 49.9	2.451	3.367	8.0	19.7
10 18	2 21.09	+21 58.9	2.391	3.356	5.0	19.5
10 28	2 12.04	+21 57.8	2.361	3.346	2.6	19.4
11 7	2 2.86	+21 48.3	2.360	3.335	3.6	19.4
11 17	1 54.38	+21 33.4	2.389	3.324	6.5	19.6
11 27	1 47.37	+21 17.0	2.446	3.313	9.5	19.8
12 7	1 42.34	+21 3.3	2.527	3.302	12.1	19.9

294732 2008 BM_{47} 10 28.5 291°.79 2°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.93	+10 40.2	1.363	2.258	14.7	20.5
10 8	2 29.40	+ 9 41.0	1.297	2.248	10.3	20.2
10 18	2 21.43	+ 8 32.3	1.255	2.238	5.4	19.9
10 28	2 12.05	+ 7 21.2	1.238	2.228	2.6	19.7
11 7	2 2.64	+ 6 16.6	1.247	2.219	6.7	19.9
11 17	1 54.51	+ 5 26.4	1.281	2.209	11.7	20.2
11 27	1 48.78	+ 4 56.4	1.338	2.200	16.1	20.4
12 7	1 46.03	+ 4 48.9	1.414	2.190	19.8	20.6

396515 2014 GE_{13} 10 28.5 209°.18 0°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.21	+17 14.4	2.107	2.968	11.7	21.7
10 8	2 29.67	+16 58.1	2.031	2.963	8.4	21.5
10 18	2 21.36	+16 31.3	1.981	2.958	4.6	21.2
10 28	2 12.05	+15 56.4	1.959	2.951	1.0	21.0
11 7	2 2.71	+15 17.3	1.967	2.945	3.8	21.2
11 17	1 54.29	+14 38.8	2.003	2.938	7.6	21.4
11 27	1 47.59	+14 6.0	2.067	2.930	11.1	21.6
12 7	1 43.15	+13 42.7	2.153	2.922	14.1	21.8

2409 Chapman 10 28.5 31°.19 3°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.57	+ 8 51.5	0.969	1.883	17.6	14.9
10 8	2 29.33	+ 7 55.4	0.937	1.895	12.2	14.7
10 18	2 21.34	+ 6 53.7	0.925	1.909	6.5	14.4
10 28	2 12.05	+ 5 56.0	0.935	1.925	3.7	14.3
11 7	2 3.16	+ 5 12.0	0.969	1.941	8.0	14.6
11 17	1 56.16	+ 4 48.2	1.025	1.958	13.2	15.0
11 27	1 52.09	+ 4 47.8	1.101	1.976	17.7	15.3
12 7	1 51.33	+ 5 10.0	1.194	1.995	21.4	15.6

136496 2005 GZ_{180} 10 28.5 90°.63 1°.5/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.90	+10 44.3	1.808	2.691	12.3	19.9
10 8	2 28.79	+10 12.2	1.752	2.697	8.5	19.7
10 18	2 20.88	+ 9 34.3	1.720	2.703	4.4	19.4
10 28	2 12.03	+ 8 55.2	1.717	2.708	1.5	19.2
11 7	2 3.30	+ 8 20.0	1.741	2.714	5.0	19.5
11 17	1 55.65	+ 7 53.3	1.793	2.720	9.0	19.7
11 27	1 49.90	+ 7 38.8	1.870	2.725	12.5	20.0
12 7	1 46.49	+ 7 38.3	1.968	2.731	15.5	20.2

332760 2009 UQ_{81} 10 28.5 339°.51 0°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.82	+14 18.6	1.955	2.829	12.0	20.3
10 8	2 28.80	+14 24.7	1.884	2.823	8.5	20.1
10 18	2 20.94	+14 23.5	1.838	2.818	4.5	19.9
10 28	2 12.04	+14 17.0	1.820	2.814	0.5	19.5
11 7	2 3.09	+14 8.2	1.831	2.809	4.0	19.8
11 17	1 55.07	+14 0.7	1.870	2.805	8.0	20.1
11 27	1 48.84	+13 58.2	1.934	2.802	11.6	20.3
12 7	1 44.91	+14 3.8	2.021	2.799	14.6	20.5

263834 2008 TS_{54} 10 28.5 321°.48 0°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 26.47	+15 57.0	4.062	4.921	6.6	21.0
10 8	2 22.27	+15 43.1	3.985	4.917	4.7	20.9
10 18	2 17.28	+15 24.5	3.936	4.914	2.5	20.7
10 28	2 11.89	+15 2.6	3.917	4.910	0.4	20.5
11 7	2 6.48	+14 39.4	3.929	4.907	2.1	20.7
11 17	2 1.48	+14 16.8	3.971	4.904	4.3	20.8
11 27	1 57.27	+13 57.1	4.042	4.900	6.3	21.0
12 7	1 54.11	+13 42.0	4.138	4.897	8.0	21.1

287098 2002 RW_{125} 10 28.5 64°.05 9°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.52	− 8 6.8	1.582	2.467	13.7	20.2
10 8	2 29.06	− 9 35.5	1.568	2.494	10.9	20.1
10 18	2 20.88	−10 48.8	1.577	2.521	9.2	20.1
10 28	2 12.03	−11 38.6	1.611	2.548	9.4	20.2
11 7	2 3.62	−12 0.4	1.671	2.575	11.2	20.4
11 17	1 56.59	−11 53.7	1.754	2.602	13.7	20.6
11 27	1 51.63	−11 20.9	1.858	2.629	16.0	20.8
12 7	1 49.08	−10 26.5	1.978	2.655	18.0	21.0

239503 2007 VH_{165} 10 28.5 323°.14 2°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.67	+ 4 18.9	2.482	3.364	9.4	20.3
10 8	2 26.22	+ 3 55.7	2.416	3.359	6.6	20.1
10 18	2 19.46	+ 3 32.8	2.377	3.355	3.9	20.0
10 28	2 11.98	+ 3 13.7	2.367	3.350	2.9	19.9
11 7	2 4.52	+ 3 1.8	2.386	3.345	5.0	20.0
11 17	1 57.77	+ 2 59.4	2.433	3.341	7.9	20.2
11 27	1 52.35	+ 3 8.4	2.506	3.336	10.6	20.4
12 7	1 48.67	+ 3 29.0	2.602	3.332	12.9	20.5

191446 2003 SK_{199} 10 28.5 83°.60 0°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.02	+17 56.9	2.288	3.151	10.9	19.9
10 8	2 26.46	+17 11.9	2.235	3.169	7.7	19.7
10 18	2 19.54	+16 16.8	2.208	3.186	4.2	19.5
10 28	2 11.98	+15 15.2	2.210	3.203	0.7	19.3
11 7	2 4.59	+14 11.9	2.241	3.220	3.3	19.5
11 17	1 58.10	+13 12.2	2.302	3.236	6.8	19.8
11 27	1 53.13	+12 20.6	2.390	3.253	9.8	20.0
12 7	1 50.05	+11 40.6	2.501	3.269	12.4	20.2

28452 Natkondamuri 10 28.5 179°.28 3°.9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.73	+26 25.8	1.997	2.826	13.6	19.6
10 8	2 31.58	+26 20.9	1.923	2.828	10.4	19.4
10 18	2 22.41	+25 57.7	1.873	2.829	7.0	19.2
10 28	2 12.12	+25 16.7	1.851	2.830	4.3	19.1
11 7	2 1.86	+24 21.6	1.857	2.829	4.8	19.1
11 17	1 52.70	+23 18.4	1.892	2.829	7.9	19.3
11 27	1 45.58	+22 14.6	1.954	2.827	11.2	19.5
12 7	1 41.01	+21 17.2	2.039	2.825	14.2	19.7

177818 2005 MA_{35} 10 28.5 36°.08 0°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.31	+14 45.3	1.548	2.433	13.9	20.1
10 8	2 27.87	+14 7.1	1.498	2.444	9.7	19.9
10 18	2 20.45	+13 18.3	1.472	2.455	5.0	19.6
10 28	2 12.04	+12 23.9	1.473	2.466	0.4	19.3
11 7	2 3.81	+11 30.4	1.500	2.478	4.8	19.7
11 17	1 56.85	+10 44.3	1.554	2.491	9.3	20.0
11 27	1 51.99	+10 10.9	1.632	2.504	13.2	20.2
12 7	1 49.69	+ 9 53.3	1.731	2.517	16.4	20.5

498498 2008 CP_{208} 10 28.5 276°.29 20°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.29	−27 49.8	1.111	1.955	21.1	20.9
10 8	2 31.40	−30 47.9	1.098	1.949	20.6	20.9
10 18	2 22.53	−33 2.0	1.102	1.944	21.0	20.9
10 28	2 12.14	−34 17.9	1.122	1.938	22.2	21.0
11 7	2 2.02	−34 30.5	1.157	1.932	23.8	21.1
11 17	1 53.81	−33 43.2	1.205	1.927	25.6	21.2
11 27	1 48.67	−32 5.1	1.263	1.921	27.3	21.3
12 7	1 47.04	−29 48.1	1.329	1.915	28.7	21.5

403159 2008 FY_{116} 10 28.5 84°.64 0°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.87	+14 8.7	2.128	2.999	11.3	21.0
10 8	2 28.52	+13 52.0	2.078	3.016	7.9	20.8
10 18	2 20.67	+13 28.2	2.053	3.033	4.1	20.6
10 28	2 12.07	+13 0.1	2.056	3.050	0.2	20.3
11 7	2 3.64	+12 31.7	2.089	3.067	3.7	20.7
11 17	1 56.19	+12 6.8	2.151	3.083	7.4	20.9
11 27	1 50.42	+11 49.1	2.240	3.100	10.5	21.2
12 7	1 46.73	+11 41.0	2.351	3.116	13.2	21.4

245863 2006 PJ_{8} 10 28.5 67°.21 1°.9/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.68	+ 9 38.3	1.659	2.545	13.1	20.1
10 8	2 29.99	+ 9 11.2	1.619	2.565	9.0	19.9
10 18	2 21.48	+ 8 39.9	1.604	2.586	4.7	19.7
10 28	2 12.11	+ 8 9.0	1.615	2.606	1.9	19.6
11 7	2 3.03	+ 7 43.3	1.655	2.627	5.3	19.8
11 17	1 55.24	+ 7 27.1	1.722	2.648	9.3	20.1
11 27	1 49.53	+ 7 23.4	1.813	2.668	12.9	20.4
12 7	1 46.31	+ 7 33.3	1.925	2.689	15.7	20.6

26416 1999 XM_{84} 10 28.5 210°.11 2°.2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.71	+21 17.2	1.593	2.456	14.8	18.1
10 8	2 30.46	+20 52.2	1.524	2.453	10.9	17.8
10 18	2 21.94	+20 9.4	1.478	2.451	6.5	17.6
10 28	2 12.14	+19 11.3	1.458	2.449	2.5	17.3
11 7	2 2.35	+18 3.9	1.466	2.446	4.6	17.5
11 17	1 53.83	+16 55.2	1.501	2.443	9.1	17.7
11 27	1 47.58	+15 53.4	1.562	2.440	13.3	18.0
12 7	1 44.17	+15 4.9	1.643	2.436	16.8	18.2

417921 2007 RJ_{215} 10 28.5 36°.61 4°.0/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.76	+25 50.4	2.168	3.001	12.5	20.8
10 8	2 28.67	+26 12.4	2.106	3.011	9.6	20.6
10 18	2 20.85	+26 19.4	2.068	3.022	6.6	20.5
10 28	2 12.10	+26 11.4	2.056	3.032	4.3	20.4
11 7	2 3.38	+25 50.7	2.073	3.044	4.6	20.4
11 17	1 55.64	+25 21.4	2.119	3.055	7.2	20.6
11 27	1 49.64	+24 48.9	2.191	3.067	10.1	20.8
12 7	1 45.89	+24 18.7	2.286	3.079	12.7	21.0

517067 2013 CB_{45} 10 28.5 348°.60 4°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.63	+ 3 41.7	1.764	2.656	12.1	21.3
10 8	2 27.97	+ 2 49.9	1.709	2.655	8.6	21.1
10 18	2 20.50	+ 1 58.3	1.677	2.654	5.3	20.9
10 28	2 12.08	+ 1 13.3	1.673	2.653	4.4	20.8
11 7	2 3.74	+ 0 40.6	1.697	2.653	7.1	21.0
11 17	1 56.44	+ 0 24.2	1.747	2.652	10.6	21.2
11 27	1 51.00	+ 0 26.2	1.820	2.652	13.9	21.4
12 7	1 47.88	+ 0 46.3	1.913	2.652	16.6	21.6

304068 2006 FB_{38} 10 28.5 103°.40 3°.7/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.71	+ 5 45.6	1.855	2.742	11.8	21.4
10 8	2 28.48	+ 4 31.3	1.814	2.760	8.3	21.2
10 18	2 20.65	+ 3 16.1	1.799	2.777	4.9	21.0
10 28	2 12.09	+ 2 6.5	1.813	2.795	3.9	21.0
11 7	2 3.78	+ 1 9.1	1.855	2.811	6.5	21.2
11 17	1 56.58	+ 0 28.2	1.924	2.828	9.9	21.4
11 27	1 51.21	+ 0 6.3	2.018	2.843	13.0	21.7
12 7	1 48.03	+ 0 3.3	2.132	2.859	15.5	21.9

104273 2000 EU_{149} 10 28.5 195°.46 6°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.23	− 3 29.7	2.099	2.982	10.9	20.3
10 8	2 27.45	− 4 45.4	2.048	2.981	8.3	20.1
10 18	2 20.16	− 5 55.2	2.022	2.979	6.5	20.0
10 28	2 12.07	− 6 52.4	2.024	2.977	6.5	20.0
11 7	2 4.07	− 7 31.8	2.053	2.975	8.5	20.1
11 17	1 56.95	− 7 50.3	2.109	2.972	11.1	20.3
11 27	1 51.43	− 7 47.1	2.188	2.969	13.6	20.4
12 7	1 47.92	− 7 23.8	2.285	2.965	15.7	20.6

422475 2014 ST_{325} 10 28.5 68°.50 3°.8/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.39	+24 48.7	2.210	3.041	12.4	20.0
10 8	2 31.12	+25 22.3	2.154	3.059	9.5	19.8
10 18	2 22.10	+25 41.9	2.123	3.078	6.4	19.7
10 28	2 12.16	+25 47.0	2.119	3.096	4.0	19.6
11 7	2 2.31	+25 39.5	2.145	3.115	4.5	19.6
11 17	1 53.49	+25 22.9	2.200	3.133	7.1	19.8
11 27	1 46.50	+25 2.5	2.282	3.152	10.0	20.0
12 7	1 41.82	+24 43.2	2.387	3.170	12.5	20.2

20126 1995 YM_{9} 10 28.5 353°.98 0°.3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.14	+14 32.4	1.800	2.681	12.5	18.9
10 8	2 26.99	+14 0.6	1.735	2.678	8.8	18.6
10 18	2 20.03	+13 19.3	1.695	2.676	4.6	18.4
10 28	2 12.07	+12 32.3	1.681	2.675	0.3	18.0
11 7	2 4.15	+11 45.2	1.696	2.674	4.3	18.4
11 17	1 57.23	+11 3.4	1.738	2.673	8.5	18.6
11 27	1 52.14	+10 32.1	1.805	2.673	12.3	18.9
12 7	1 49.37	+10 14.4	1.893	2.673	15.4	19.1

20360 Holsapple 10 28.5 227°.40 5°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.76	+ 2 1.1	1.516	2.406	13.8	18.1
10 8	2 31.84	+ 1 20.7	1.457	2.402	10.0	17.9
10 18	2 22.64	+ 0 42.9	1.422	2.398	6.4	17.7
10 28	2 12.20	+ 0 14.3	1.414	2.393	5.3	17.6
11 7	2 1.79	+ 0 0.7	1.432	2.388	8.2	17.7
11 17	1 52.67	+ 0 5.7	1.476	2.382	12.1	18.0
11 27	1 45.83	+ 0 30.7	1.543	2.377	15.9	18.2
12 7	1 41.84	+ 1 14.3	1.629	2.371	19.0	18.4

398021 2009 DD_{23} 10 28.5 54°.65 3°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.70	+ 7 19.7	1.725	2.616	12.4	21.3
10 8	2 28.02	+ 6 26.7	1.672	2.620	8.6	21.1
10 18	2 20.53	+ 5 30.7	1.643	2.624	4.8	20.9
10 28	2 12.11	+ 4 37.6	1.642	2.629	3.2	20.8
11 7	2 3.81	+ 3 53.6	1.669	2.634	6.2	21.0
11 17	1 56.62	+ 3 23.6	1.722	2.639	10.0	21.2
11 27	1 51.32	+ 3 10.5	1.800	2.643	13.5	21.5
12 7	1 48.38	+ 3 15.1	1.897	2.648	16.3	21.7

14473 1993 TL_{17} 10 28.5 222°.96 2°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.02	+ 8 59.1	2.219	3.100	10.5	18.8
10 8	2 27.33	+ 7 56.7	2.147	3.092	7.3	18.5
10 18	2 20.13	+ 6 49.2	2.102	3.083	3.9	18.3
10 28	2 12.10	+ 5 41.7	2.086	3.074	2.4	18.2
11 7	2 4.06	+ 4 39.9	2.100	3.064	5.1	18.4
11 17	1 56.84	+ 3 48.7	2.142	3.054	8.5	18.6
11 27	1 51.12	+ 3 12.1	2.210	3.044	11.7	18.8
12 7	1 47.37	+ 2 51.7	2.300	3.033	14.3	18.9

284490 2007 NZ 10 28.5 91°.07 5°.3/24.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.82	+ 1 17.7	1.806	2.694	12.1	21.2
10 8	2 29.18	− 0 7.1	1.779	2.721	8.7	21.0
10 18	2 20.98	− 1 27.7	1.777	2.747	5.9	20.9
10 28	2 12.13	− 2 36.7	1.804	2.773	5.6	20.9
11 7	2 3.63	− 3 28.2	1.858	2.799	7.9	21.1
11 17	1 56.34	− 3 58.7	1.939	2.824	10.8	21.4
11 27	1 50.94	− 4 7.6	2.044	2.848	13.6	21.6
12 7	1 47.76	− 3 56.4	2.167	2.872	15.9	21.8

437455 2013 YT_{14} 10 28.5 337°.17 6°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.86	+ 1 49.0	1.332	2.233	14.6	20.5
10 8	2 29.30	+ 0 50.2	1.278	2.227	10.6	20.2
10 18	2 21.38	− 0 6.1	1.246	2.222	7.0	20.0
10 28	2 12.16	− 0 51.5	1.240	2.217	6.2	20.0
11 7	2 2.99	− 1 18.4	1.258	2.213	9.2	20.1
11 17	1 55.16	− 1 22.2	1.301	2.209	13.3	20.4
11 27	1 49.71	− 1 1.6	1.365	2.205	17.1	20.6
12 7	1 47.18	− 0 18.6	1.446	2.202	20.4	20.8

312296 2008 CK_{7} 10 28.5 182°.80 1°.5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.83	+19 15.5	2.073	2.932	12.0	21.2
10 8	2 28.74	+19 2.8	2.003	2.932	8.7	21.0
10 18	2 20.91	+18 38.4	1.958	2.932	5.0	20.8
10 28	2 12.14	+18 4.1	1.941	2.932	1.7	20.6
11 7	2 3.38	+17 24.0	1.953	2.931	3.7	20.7
11 17	1 55.56	+16 42.8	1.993	2.931	7.4	21.0
11 27	1 49.48	+16 6.0	2.060	2.930	10.9	21.2
12 7	1 45.63	+15 37.9	2.150	2.930	13.8	21.4

318315 2004 TJ_{143} 10 28.5 144°.05 1°.0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.78	+17 30.1	2.412	3.270	10.6	21.2
10 8	2 28.48	+17 26.7	2.346	3.275	7.6	21.0
10 18	2 20.70	+17 14.6	2.305	3.280	4.2	20.8
10 28	2 12.13	+16 55.5	2.293	3.285	1.2	20.6
11 7	2 3.60	+16 32.3	2.311	3.289	3.3	20.7
11 17	1 55.89	+16 8.6	2.358	3.293	6.6	21.0
11 27	1 49.69	+15 48.2	2.434	3.298	9.6	21.2
12 7	1 45.43	+15 34.4	2.532	3.301	12.2	21.3

461194 2015 VO_{101} 10 28.5 304°.99 3°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.09	+ 4 15.6	2.005	2.891	11.1	21.0
10 8	2 28.22	+ 3 49.4	1.938	2.883	7.9	20.8
10 18	2 20.64	+ 3 23.6	1.896	2.874	4.7	20.6
10 28	2 12.13	+ 3 2.5	1.882	2.866	3.5	20.5
11 7	2 3.60	+ 2 50.3	1.897	2.857	6.0	20.6
11 17	1 55.96	+ 2 50.1	1.938	2.849	9.4	20.8
11 27	1 49.98	+ 3 3.7	2.005	2.841	12.6	21.0
12 7	1 46.17	+ 3 31.5	2.093	2.834	15.3	21.2

409701 2006 BM_{98} 10 28.5 152°.08 3°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.95	+27 2.5	2.504	3.326	11.4	21.4
10 8	2 27.95	+26 57.9	2.431	3.330	8.8	21.2
10 18	2 20.44	+26 38.4	2.383	3.334	6.0	21.1
10 28	2 12.12	+26 4.7	2.362	3.338	3.8	20.9
11 7	2 3.84	+25 19.6	2.371	3.341	4.1	21.0
11 17	1 56.39	+24 27.6	2.409	3.345	6.5	21.1
11 27	1 50.47	+23 34.1	2.475	3.348	9.2	21.3
12 7	1 46.54	+22 44.3	2.565	3.351	11.6	21.5

17703 Bombieri 10 28.5 179°.90 0°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.49	+14 40.5	1.373	2.258	15.3	19.4
10 8	2 31.16	+14 1.5	1.314	2.259	10.8	19.1
10 18	2 22.36	+13 9.8	1.277	2.259	5.6	18.9
10 28	2 12.22	+12 10.5	1.266	2.259	0.5	18.5
11 7	2 2.14	+11 11.4	1.281	2.259	5.4	18.9
11 17	1 53.50	+10 20.2	1.323	2.259	10.6	19.1
11 27	1 47.36	+ 9 43.7	1.388	2.258	15.1	19.4
12 7	1 44.27	+ 9 25.5	1.472	2.258	18.8	19.7

22088 2000 AT_{185} 10 28.5 327°.57 9°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.54	− 8 11.0	1.481	2.368	14.3	17.0
10 8	2 29.63	− 9 9.7	1.428	2.358	11.5	16.8
10 18	2 21.51	− 9 54.9	1.399	2.348	9.6	16.7
10 28	2 12.18	−10 17.9	1.393	2.338	9.7	16.7
11 7	2 2.90	−10 13.1	1.412	2.330	11.8	16.8
11 17	1 54.87	− 9 38.6	1.454	2.321	14.8	17.0
11 27	1 49.06	− 8 36.6	1.516	2.314	17.9	17.2
12 7	1 46.00	− 7 11.6	1.596	2.306	20.5	17.3

42406 9104 $P–L$ 10 28.5 53°.02 3°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.89	+ 6 37.6	1.944	2.836	11.2	19.0
10 8	2 25.84	+ 5 16.7	1.899	2.848	7.8	18.8
10 18	2 19.32	+ 3 53.7	1.880	2.860	4.5	18.6
10 28	2 12.08	+ 2 35.3	1.890	2.872	3.6	18.6
11 7	2 5.00	+ 1 28.0	1.927	2.885	6.2	18.8
11 17	1 58.90	+ 0 36.8	1.992	2.898	9.5	19.0
11 27	1 54.43	+ 0 4.5	2.081	2.911	12.5	19.3
12 7	1 51.97	− 0 8.4	2.191	2.924	15.0	19.5

381080 2007 BS_{35} 10 28.5 9°.07 8°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.48	+28 10.7	0.930	1.806	21.6	19.2
10 8	2 30.14	+29 22.0	0.884	1.808	17.3	18.9
10 18	2 22.23	+30 3.2	0.854	1.812	12.7	18.7
10 28	2 12.22	+30 9.7	0.844	1.817	9.2	18.5
11 7	2 2.20	+29 44.1	0.855	1.825	9.3	18.6
11 17	1 54.21	+28 55.5	0.887	1.835	12.6	18.8
11 27	1 49.77	+27 57.8	0.939	1.847	16.9	19.1
12 7	1 49.49	+27 3.6	1.009	1.861	20.8	19.4

45106 1999 XX_{74} 10 28.5 118°.17 2°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.60	+22 8.8	1.808	2.665	13.6	18.0
10 8	2 28.76	+21 40.4	1.741	2.667	10.0	17.8
10 18	2 20.98	+20 55.5	1.699	2.669	6.0	17.6
10 28	2 12.16	+19 56.5	1.682	2.672	2.5	17.3
11 7	2 3.41	+18 49.0	1.695	2.674	4.1	17.5
11 17	1 55.78	+17 39.9	1.735	2.676	8.1	17.7
11 27	1 50.13	+16 36.7	1.801	2.678	11.8	17.9
12 7	1 46.96	+15 45.1	1.889	2.680	15.0	18.2

168164 2006 HV_{60} 10 28.5 81°.75 5°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.07	+ 3 15.9	1.704	2.597	12.4	20.1
10 8	2 28.11	+ 1 42.6	1.671	2.617	8.8	19.9
10 18	2 20.50	+ 0 11.2	1.663	2.637	5.7	19.8
10 28	2 12.13	− 1 10.1	1.682	2.657	5.3	19.8
11 7	2 4.07	− 2 14.3	1.730	2.676	7.8	20.0
11 17	1 57.20	− 2 57.0	1.803	2.695	11.1	20.2
11 27	1 52.24	− 3 16.4	1.900	2.715	14.1	20.5
12 7	1 49.55	− 3 13.9	2.015	2.733	16.5	20.7

103746 2000 CK_{113} 10 28.5 92°.51 4°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.24	+25 31.6	1.536	2.383	16.1	19.3
10 8	2 32.22	+25 31.7	1.483	2.398	12.2	19.1
10 18	2 22.84	+25 10.6	1.451	2.412	8.0	18.9
10 28	2 12.25	+24 29.4	1.445	2.426	4.6	18.7
11 7	2 1.86	+23 33.1	1.465	2.440	5.4	18.8
11 17	1 52.98	+22 29.5	1.513	2.454	9.0	19.1
11 27	1 46.61	+21 27.6	1.586	2.468	12.8	19.3
12 7	1 43.23	+20 34.9	1.680	2.481	16.1	19.6

78914 2003 SF_{101} 10 28.5 10°.78 8°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.72	+37 1.1	1.770	2.561	16.6	18.4
10 8	2 29.25	+37 38.5	1.704	2.564	14.0	18.2
10 18	2 21.40	+37 49.6	1.658	2.568	11.3	18.0
10 28	2 12.18	+37 31.7	1.635	2.572	9.2	17.9
11 7	2 2.94	+36 46.4	1.636	2.578	8.6	17.9
11 17	1 54.97	+35 39.7	1.662	2.584	9.9	18.0
11 27	1 49.36	+34 20.8	1.713	2.591	12.3	18.2
12 7	1 46.68	+32 59.7	1.786	2.599	14.9	18.4

396604 2001 QO_{229} 10 28.5 40°.29 1°.9/26.9 15

9 28	2 32.61	+12 20.4	1.417	2.312	14.3	20.3
10 8	2 27.37	+11 7.4	1.382	2.333	9.8	20.1
10 18	2 20.18	+ 9 46.1	1.370	2.354	5.0	19.9
10 28	2 12.12	+ 8 24.4	1.385	2.376	2.0	19.7
11 7	2 4.40	+ 7 10.9	1.426	2.399	5.8	20.0
11 17	1 58.06	+ 6 12.5	1.493	2.423	10.2	20.3
11 27	1 53.88	+ 5 33.8	1.584	2.446	14.0	20.6
12 7	1 52.25	+ 5 16.0	1.694	2.470	17.1	20.9

317311 2002 GM_{153} 10 28.5 57°.68 6°.8/24.7 17

9 28	2 37.93	+ 0 25.8	1.181	2.083	16.0	19.6
10 8	2 31.32	− 0 37.3	1.150	2.099	11.6	19.4
10 18	2 22.32	− 1 33.8	1.141	2.115	7.8	19.3
10 28	2 12.22	− 2 14.5	1.156	2.131	7.1	19.3
11 7	2 2.55	− 2 32.6	1.196	2.147	10.0	19.5
11 17	1 54.61	− 2 25.4	1.259	2.164	13.9	19.8
11 27	1 49.33	− 1 53.4	1.343	2.181	17.5	20.1
12 7	1 47.11	− 1 0.4	1.445	2.198	20.5	20.3

307550 2003 EV_{28} 10 28.5 212°.90 2°.1/29.9 18

9 28	2 39.70	+19 47.5	2.022	2.872	12.6	20.8
10 8	2 32.32	+19 56.6	1.942	2.866	9.3	20.5
10 18	2 22.89	+19 53.9	1.888	2.858	5.5	20.3
10 28	2 12.27	+19 39.9	1.861	2.850	2.3	20.1
11 7	2 1.52	+19 17.4	1.864	2.842	4.1	20.2
11 17	1 51.75	+18 50.7	1.897	2.833	7.9	20.4
11 27	1 43.90	+18 25.3	1.956	2.823	11.5	20.6
12 7	1 38.55	+18 6.0	2.038	2.813	14.6	20.8

319169 2005 YR_{108} 10 28.5 328°.99 5°.9/23.3 18

9 28	2 32.41	− 3 0.3	2.085	2.970	10.8	20.4
10 8	2 26.91	− 3 57.6	2.033	2.969	8.2	20.3
10 18	2 19.91	− 4 49.1	2.006	2.967	6.2	20.2
10 28	2 12.13	− 5 28.8	2.007	2.965	6.1	20.2
11 7	2 4.42	− 5 52.0	2.035	2.964	8.0	20.3
11 17	1 57.59	− 5 56.2	2.089	2.963	10.7	20.4
11 27	1 52.34	− 5 40.7	2.166	2.961	13.2	20.6
12 7	1 49.08	− 5 7.1	2.263	2.960	15.5	20.8

169904 2002 RV_{211} 10 28.5 89°.27 1°.7/27.0 18

9 28	2 33.48	+11 54.7	1.798	2.682	12.3	19.8
10 8	2 27.79	+10 49.1	1.747	2.693	8.5	19.5
10 18	2 20.39	+ 9 35.9	1.721	2.704	4.4	19.3
10 28	2 12.15	+ 8 21.2	1.723	2.714	1.7	19.2
11 7	2 4.09	+ 7 12.0	1.753	2.725	5.1	19.4
11 17	1 57.13	+ 6 14.3	1.811	2.735	9.1	19.7
11 27	1 52.02	+ 5 32.6	1.894	2.745	12.6	19.9
12 7	1 49.17	+ 5 8.9	1.998	2.755	15.4	20.2

44992 1999 VK_{178} 10 28.5 91°.39 4°.4/25.7 18

9 28	2 37.99	+ 4 50.9	1.410	2.304	14.4	18.7
10 8	2 31.20	+ 3 56.7	1.369	2.317	10.1	18.5
10 18	2 22.24	+ 3 2.4	1.351	2.330	6.0	18.3
10 28	2 12.24	+ 2 15.6	1.359	2.343	4.6	18.2
11 7	2 2.53	+ 1 42.7	1.395	2.355	7.7	18.4
11 17	1 54.29	+ 1 28.4	1.455	2.368	11.8	18.7
11 27	1 48.44	+ 1 34.3	1.538	2.380	15.5	19.0
12 7	1 45.39	+ 1 59.5	1.640	2.392	18.5	19.2

166038 2002 BD_{31} 10 28.5 265°.06 0°.8/27.9 18

9 28	2 36.53	+14 15.8	1.363	2.250	15.3	20.8
10 8	2 30.62	+13 28.7	1.296	2.242	10.8	20.5
10 18	2 22.17	+12 28.1	1.251	2.234	5.6	20.2
10 28	2 12.25	+11 19.8	1.232	2.225	0.8	19.8
11 7	2 2.28	+10 12.1	1.239	2.216	5.7	20.2
11 17	1 53.65	+ 9 13.5	1.273	2.208	11.0	20.4
11 27	1 47.50	+ 8 31.3	1.329	2.199	15.7	20.7
12 7	1 44.44	+ 8 9.4	1.404	2.190	19.5	20.9

71726 2000 HQ_{24} 10 28.5 277°.22 0°.8/27.9 18

9 28	2 34.67	+11 1.8	2.389	3.261	10.1	18.6
10 8	2 28.52	+10 58.1	2.306	3.246	7.1	18.4
10 18	2 20.81	+10 50.3	2.250	3.231	3.7	18.2
10 28	2 12.19	+10 40.6	2.223	3.216	0.8	17.9
11 7	2 3.46	+10 31.8	2.226	3.200	3.8	18.1
11 17	1 55.44	+10 26.9	2.258	3.185	7.3	18.3
11 27	1 48.86	+10 28.7	2.317	3.169	10.5	18.5
12 7	1 44.22	+10 39.1	2.399	3.154	13.2	18.7

268819 2006 VH_{75} 10 28.5 11°.36 3°.7/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.31	+23 52.4	1.187	2.061	18.0	19.7
10 8	2 29.31	+23 34.2	1.130	2.063	13.5	19.4
10 18	2 21.53	+22 50.9	1.093	2.065	8.5	19.2
10 28	2 12.22	+21 45.4	1.080	2.068	4.2	18.9
11 7	2 3.01	+20 25.3	1.091	2.071	5.6	19.0
11 17	1 55.41	+19 1.5	1.127	2.076	10.4	19.3
11 27	1 50.62	+17 45.6	1.185	2.081	15.1	19.6
12 7	1 49.16	+16 45.9	1.263	2.087	19.1	19.9

144641 2004 FN_{94} 10 28.5 273°.54 0°.6/28.1 18

9 28	2 36.46	+13 58.1	1.541	2.424	14.1	20.5
10 8	2 30.48	+13 23.9	1.462	2.406	10.0	20.2
10 18	2 22.10	+12 38.1	1.407	2.389	5.3	19.9
10 28	2 12.26	+11 45.1	1.378	2.372	0.6	19.5
11 7	2 2.23	+10 51.3	1.377	2.354	5.3	19.8
11 17	1 53.32	+10 3.9	1.402	2.336	10.3	20.0
11 27	1 46.63	+ 9 29.5	1.451	2.318	14.8	20.3
12 7	1 42.84	+ 9 12.1	1.519	2.299	18.5	20.5

394986 2009 BZ_{24} 10 28.5 253°.27 7°.8/22.1 18

9 28	2 34.84	− 6 50.6	1.875	2.755	12.1	21.2
10 8	2 28.80	− 8 0.0	1.819	2.746	9.6	21.0
10 18	2 20.99	− 9 0.0	1.789	2.737	7.9	20.9
10 28	2 12.21	− 9 43.2	1.784	2.728	8.1	20.9
11 7	2 3.46	−10 4.1	1.806	2.718	10.1	21.0
11 17	1 55.70	−10 0.3	1.853	2.708	12.7	21.2
11 27	1 49.74	− 9 31.9	1.922	2.698	15.4	21.3
12 7	1 46.07	− 8 41.7	2.009	2.688	17.7	21.5

42142 2001 BY_{32} 10 28.5 141°.72 3°.7/24.4 18

9 28	2 31.51	+ 1 45.1	2.650	3.531	8.9	19.3
10 8	2 26.00	+ 0 47.8	2.600	3.540	6.4	19.1
10 18	2 19.35	− 0 7.8	2.578	3.548	4.3	19.0
10 28	2 12.13	− 0 57.1	2.585	3.557	3.9	19.0
11 7	2 5.02	− 1 36.3	2.621	3.564	5.7	19.1
11 17	1 58.62	− 2 2.4	2.686	3.572	8.1	19.3
11 27	1 53.48	− 2 13.9	2.776	3.579	10.4	19.5
12 7	1 49.94	− 2 10.7	2.888	3.586	12.4	19.6

33320 1998 OP_{12} 10 28.5 135°.69 0°.4/28.0 18

9 28	2 33.13	+13 20.6	2.906	3.769	8.8	20.2
10 8	2 27.05	+12 49.4	2.849	3.785	6.1	20.0
10 18	2 19.87	+12 12.9	2.820	3.800	3.1	19.9
10 28	2 12.16	+11 33.9	2.821	3.814	0.4	19.6
11 7	2 4.56	+10 55.5	2.853	3.828	3.1	19.9
11 17	1 57.66	+10 21.1	2.916	3.841	6.0	20.1
11 27	1 52.00	+ 9 53.5	3.007	3.854	8.5	20.3
12 7	1 47.90	+ 9 34.9	3.122	3.866	10.7	20.5

392548 2011 SM_{27} 10 28.5 28°.61 1°.3/27.4 18

9 28	2 30.54	+16 0.4	1.280	2.175	15.5	19.7
10 8	2 26.17	+14 17.5	1.238	2.189	10.7	19.4
10 18	2 19.66	+12 19.3	1.219	2.203	5.4	19.2
10 28	2 12.15	+10 16.1	1.226	2.219	1.3	19.0
11 7	2 4.93	+ 8 19.9	1.260	2.235	5.9	19.3
11 17	1 59.14	+ 6 41.5	1.319	2.253	10.8	19.6
11 27	1 55.64	+ 5 27.9	1.401	2.271	15.0	19.9
12 7	1 54.81	+ 4 41.5	1.502	2.290	18.4	20.2

438302 2006 DP_{139} 10 28.5 145°.31 1°.6/27.2 18

9 28	2 35.67	+10 51.0	2.016	2.893	11.5	22.1
10 8	2 29.21	+10 6.1	1.960	2.902	8.0	21.9
10 18	2 21.13	+ 9 15.5	1.929	2.911	4.1	21.7
10 28	2 12.23	+ 8 23.9	1.927	2.918	1.6	21.6
11 7	2 3.47	+ 7 36.3	1.955	2.926	4.7	21.8
11 17	1 55.71	+ 6 57.7	2.011	2.933	8.4	22.0
11 27	1 49.71	+ 6 31.7	2.093	2.939	11.7	22.3
12 7	1 45.87	+ 6 20.1	2.197	2.945	14.5	22.5

170939 2005 AV_{37} 10 28.5 161°.38 0°.7/29.0 18

9 28	2 36.52	+16 30.1	1.940	2.806	12.4	20.6
10 8	2 29.99	+16 16.3	1.874	2.809	8.8	20.4
10 18	2 21.63	+15 52.3	1.834	2.812	4.8	20.2
10 28	2 12.27	+15 20.7	1.821	2.814	0.8	19.9
11 7	2 2.95	+14 45.7	1.838	2.816	3.9	20.1
11 17	1 54.67	+14 12.2	1.883	2.818	8.0	20.4
11 27	1 48.25	+13 45.1	1.954	2.820	11.6	20.6
12 7	1 44.20	+13 28.1	2.047	2.821	14.6	20.8

401418 2013 CJ_{75} 10 28.5 317°.45 0°.9/28.9 18

9 28	2 40.88	+13 48.0	1.637	2.510	13.9	20.2
10 8	2 33.54	+14 26.7	1.562	2.500	10.0	19.9
10 18	2 23.72	+14 59.4	1.511	2.490	5.5	19.6
10 28	2 12.37	+15 26.2	1.487	2.481	1.0	19.3
11 7	2 0.81	+15 48.5	1.493	2.471	4.6	19.5
11 17	1 50.37	+16 9.1	1.526	2.463	9.3	19.8
11 27	1 42.21	+16 31.5	1.584	2.454	13.5	20.0
12 7	1 37.00	+16 59.2	1.664	2.446	17.1	20.3

443297 2014 FD_{15} 10 28.5 128°.97 1°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.44	+18 28.3	1.888	2.752	12.8	21.1
10 8	2 29.24	+17 59.7	1.826	2.759	9.1	20.9
10 18	2 21.21	+17 18.5	1.789	2.766	5.1	20.7
10 28	2 12.25	+16 27.9	1.780	2.772	1.2	20.4
11 7	2 3.39	+15 33.1	1.799	2.778	3.9	20.7
11 17	1 55.61	+14 39.9	1.847	2.784	8.0	20.9
11 27	1 49.73	+13 54.3	1.920	2.790	11.6	21.2
12 7	1 46.21	+13 20.5	2.016	2.795	14.6	21.4

27266 1999 YH 10 28.5 206°.25 19°.3/14.2 17

9 28	2 43.18	−28 20.7	1.246	2.071	20.4	18.5
10 8	2 35.32	−30 25.0	1.226	2.068	19.4	18.4
10 18	2 24.56	−31 49.1	1.224	2.065	19.3	18.4
10 28	2 12.40	−32 20.8	1.239	2.062	20.1	18.4
11 7	2 0.64	−31 56.1	1.272	2.058	21.5	18.5
11 17	1 50.86	−30 38.6	1.320	2.053	23.2	18.7
11 27	1 44.18	−28 37.2	1.381	2.048	25.0	18.8
12 7	1 41.01	−26 3.5	1.453	2.042	26.5	19.0

429460 2010 VQ_{216} 10 28.5 335°.30 3°.7/26.8 18

9 28	2 39.19	+ 5 39.3	1.181	2.081	16.1	21.1
10 8	2 32.72	+ 5 29.5	1.123	2.074	11.5	20.8
10 18	2 23.38	+ 5 19.7	1.086	2.068	6.4	20.6
10 28	2 12.38	+ 5 15.3	1.074	2.063	3.8	20.4
11 7	2 1.34	+ 5 21.6	1.087	2.058	7.6	20.6
11 17	1 51.85	+ 5 42.6	1.124	2.053	12.8	20.9
11 27	1 45.18	+ 6 20.1	1.183	2.050	17.4	21.1
12 7	1 41.96	+ 7 13.6	1.259	2.046	21.3	21.4

450943 2008 FC_{126} 10 28.5 66°.62 4°.6/25.6 18

9 28	2 39.54	− 1 8.3	2.014	2.890	11.6	20.4
10 8	2 31.67	− 1 17.3	1.983	2.919	8.4	20.3
10 18	2 22.30	− 1 20.3	1.979	2.947	5.6	20.2
10 28	2 12.32	− 1 13.9	2.003	2.976	4.7	20.2
11 7	2 2.70	− 0 55.6	2.057	3.005	6.7	20.4
11 17	1 54.28	− 0 24.8	2.139	3.033	9.5	20.6
11 27	1 47.72	+ 0 18.4	2.246	3.061	12.2	20.8
12 7	1 43.36	+ 1 12.3	2.375	3.089	14.4	21.0

361745 2007 XU_{39} 10 28.5 332°.72 8°.4/ 3.9 17

9 28	2 34.68	+34 47.3	1.565	2.377	17.5	20.3
10 8	2 29.57	+35 16.7	1.487	2.365	14.6	20.0
10 18	2 21.78	+35 18.3	1.428	2.354	11.5	19.8
10 28	2 12.31	+34 49.0	1.391	2.343	9.0	19.7
11 7	2 2.64	+33 50.5	1.378	2.333	8.5	19.6
11 17	1 54.26	+32 29.4	1.391	2.323	10.5	19.7
11 27	1 48.43	+30 56.9	1.427	2.315	13.6	19.9
12 7	1 45.85	+29 24.5	1.485	2.307	16.9	20.1

401295 2012 FR 10 28.5 138°.63 5°.3/22.9 18

9 28	2 31.30	− 2 15.8	2.352	3.235	9.8	20.5
10 8	2 26.01	− 3 25.5	2.304	3.239	7.4	20.4
10 18	2 19.44	− 4 30.4	2.282	3.243	5.6	20.3
10 28	2 12.21	− 5 25.0	2.289	3.246	5.6	20.3
11 7	2 5.07	− 6 4.6	2.323	3.249	7.4	20.4
11 17	1 58.72	− 6 26.5	2.385	3.253	9.8	20.6
11 27	1 53.75	− 6 29.5	2.470	3.256	12.1	20.8
12 7	1 50.54	− 6 14.8	2.576	3.259	14.1	20.9

298080 2002 QA_{134} 10 28.5 47°.48 2°.1/27.0 18

9 28	2 35.02	+ 9 28.6	1.621	2.510	13.1	20.8
10 8	2 29.07	+ 8 54.0	1.570	2.517	9.1	20.6
10 18	2 21.18	+ 8 14.5	1.543	2.525	4.8	20.4
10 28	2 12.30	+ 7 35.4	1.542	2.533	2.2	20.2
11 7	2 3.55	+ 7 2.3	1.569	2.541	5.6	20.5
11 17	1 56.01	+ 6 40.0	1.623	2.549	9.8	20.7
11 27	1 50.52	+ 6 31.9	1.701	2.558	13.5	21.0
12 7	1 47.55	+ 6 39.3	1.799	2.566	16.5	21.2

274666 2008 TG_{174} 10 28.5 323°.10 0°.6/27.6 18

9 28	2 25.96	+11 31.0	4.185	5.055	6.2	21.1
10 8	2 21.96	+11 9.2	4.112	5.052	4.3	21.0
10 18	2 17.23	+10 44.6	4.068	5.049	2.2	20.8
10 28	2 12.12	+10 19.0	4.054	5.046	0.6	20.7
11 7	2 7.01	+ 9 54.3	4.070	5.044	2.4	20.8
11 17	2 2.28	+ 9 32.5	4.117	5.041	4.4	21.0
11 27	1 58.29	+ 9 15.5	4.192	5.038	6.3	21.1
12 7	1 55.30	+ 9 4.5	4.292	5.036	8.0	21.2

518298 2017 BH_{17} 10 28.5 164°.16 3°.7/24.7 18

9 28	2 31.71	+ 2 21.2	2.516	3.399	9.3	21.7
10 8	2 26.26	+ 1 27.3	2.461	3.402	6.7	21.5
10 18	2 19.57	+ 0 34.6	2.432	3.405	4.3	21.4
10 28	2 12.25	− 0 12.3	2.432	3.407	3.9	21.3
11 7	2 5.00	− 0 49.2	2.462	3.409	5.8	21.5
11 17	1 58.48	− 1 13.0	2.520	3.411	8.4	21.7
11 27	1 53.26	− 1 22.2	2.603	3.413	10.9	21.8
12 7	1 49.74	− 1 16.4	2.707	3.414	13.0	22.0

420496 2012 FK_{14} 10 28.5 126°.53 1°.3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.76	+17 10.7	2.633	3.481	10.1	20.9
10 8	2 31.21	+17 34.4	2.567	3.491	7.3	20.7
10 18	2 22.19	+17 50.8	2.529	3.502	4.2	20.5
10 28	2 12.39	+18 0.4	2.521	3.511	1.4	20.3
11 7	2 2.61	+18 4.7	2.544	3.521	3.2	20.5
11 17	1 53.63	+18 6.2	2.598	3.530	6.2	20.7
11 27	1 46.15	+18 8.0	2.681	3.539	9.1	20.9
12 7	1 40.59	+18 12.7	2.788	3.548	11.4	21.1

60833 2000 HB_{49} 10 28.5 171°.59 0°.1/28.6 18

9 28	2 33.49	+16 35.8	2.137	3.004	11.4	19.6
10 8	2 27.75	+15 47.7	2.070	3.006	8.0	19.4
10 18	2 20.44	+14 48.9	2.028	3.008	4.3	19.2
10 28	2 12.30	+13 43.5	2.016	3.009	0.3	18.9
11 7	2 4.24	+12 36.6	2.032	3.010	3.8	19.2
11 17	1 57.08	+11 34.2	2.078	3.011	7.5	19.4
11 27	1 51.54	+10 41.4	2.151	3.011	10.9	19.6
12 7	1 48.08	+10 1.9	2.246	3.011	13.7	19.8

57321 2001 QV_{239} 10 28.5 245°.06 2°.4/26.7 18

9 28	2 35.00	+10 17.3	1.645	2.532	13.1	18.9
10 8	2 29.20	+ 9 15.8	1.578	2.525	9.1	18.6
10 18	2 21.35	+ 8 6.4	1.536	2.518	4.8	18.3
10 28	2 12.36	+ 6 55.6	1.521	2.511	2.5	18.2
11 7	2 3.37	+ 5 50.9	1.534	2.503	6.0	18.4
11 17	1 55.48	+ 4 59.1	1.573	2.496	10.3	18.6
11 27	1 49.62	+ 4 25.1	1.637	2.488	14.2	18.9
12 7	1 46.33	+ 4 11.0	1.721	2.479	17.5	19.1

451297 2010 TK_{54} 10 28.5 103°.71 3°.9/30.1 15 C

9 28	3 5.29	+20 38.2	1.430	2.256	18.2	22.7
10 8	2 50.35	+21 44.1	1.392	2.300	13.4	22.5
10 18	2 32.29	+22 30.6	1.379	2.342	8.1	22.3
10 28	2 12.89	+22 54.7	1.397	2.382	4.1	22.2
11 7	1 54.32	+22 58.2	1.448	2.420	5.9	22.4
11 17	1 38.39	+22 47.9	1.530	2.456	10.3	22.7
11 27	1 26.27	+22 33.1	1.639	2.490	14.2	23.1
12 7	1 18.28	+22 21.7	1.770	2.521	17.4	23.4

13775 Thébault 10 28.5 221°.17 1°.2/29.5 18

9 28	2 36.63	+17 52.7	2.184	3.042	11.5	18.7
10 8	2 30.06	+17 46.9	2.105	3.034	8.3	18.5
10 18	2 21.73	+17 31.0	2.051	3.026	4.7	18.3
10 28	2 12.38	+17 6.5	2.026	3.018	1.3	18.0
11 7	2 2.96	+16 36.8	2.031	3.009	3.6	18.2
11 17	1 54.40	+16 6.2	2.065	3.000	7.4	18.4
11 27	1 47.51	+15 39.3	2.126	2.991	10.8	18.6
12 7	1 42.82	+15 20.2	2.209	2.981	13.7	18.8

259420 2003 QJ_{105} 10 28.5 38°.92 7°.0/25.1 18

9 28	2 37.43	+ 1 4.0	1.003	1.914	17.4	19.1
10 8	2 31.28	+ 0 8.8	0.976	1.930	12.5	18.9
10 18	2 22.45	− 0 39.5	0.970	1.946	8.2	18.8
10 28	2 12.41	− 1 11.2	0.986	1.964	7.2	18.8
11 7	2 2.86	− 1 19.5	1.025	1.982	10.3	19.0
11 17	1 55.25	− 1 1.9	1.086	2.002	14.6	19.3
11 27	1 50.56	− 0 19.7	1.168	2.021	18.5	19.6
12 7	1 49.16	+ 0 43.0	1.265	2.042	21.7	19.9

182285 2001 KB_{35} 10 28.5 108°.21 0°.4/28.3 18

9 28	2 37.50	+15 6.4	1.588	2.466	14.1	20.3
10 8	2 30.81	+14 20.3	1.539	2.480	9.8	20.0
10 18	2 22.10	+13 22.9	1.513	2.495	5.1	19.8
10 28	2 12.40	+12 19.5	1.515	2.508	0.4	19.5
11 7	2 2.93	+11 17.1	1.545	2.522	4.8	19.9
11 17	1 54.82	+10 22.6	1.602	2.535	9.3	20.2
11 27	1 48.92	+ 9 41.6	1.684	2.548	13.2	20.4
12 7	1 45.67	+ 9 17.1	1.787	2.560	16.4	20.7

145274 2005 JD_{140} 10 28.5 73°.29 2°.5/27.2 18

9 28	2 40.11	+ 8 21.0	1.343	2.234	15.2	19.5
10 8	2 32.86	+ 8 2.9	1.300	2.248	10.6	19.3
10 18	2 23.24	+ 7 41.4	1.279	2.262	5.6	19.1
10 28	2 12.45	+ 7 21.4	1.285	2.276	2.5	18.9
11 7	2 1.95	+ 7 8.3	1.317	2.290	6.3	19.2
11 17	1 53.05	+ 7 6.3	1.375	2.304	11.0	19.5
11 27	1 46.71	+ 7 18.3	1.457	2.318	15.1	19.8
12 7	1 43.40	+ 7 44.8	1.557	2.332	18.4	20.0

488543 2001 SN_{349} 10 28.5 15°.46 5°.9/31.9 16

9 28	2 31.80	+24 59.6	0.887	1.778	21.0	20.2
10 8	2 28.05	+25 25.5	0.849	1.787	16.1	20.0
10 18	2 21.06	+25 22.0	0.828	1.798	10.7	19.7
10 28	2 12.35	+24 49.9	0.827	1.811	6.4	19.6
11 7	2 3.88	+23 56.3	0.848	1.827	7.1	19.7
11 17	1 57.43	+22 52.7	0.890	1.844	11.5	20.0
11 27	1 54.25	+21 52.0	0.952	1.864	16.3	20.3
12 7	1 54.78	+21 3.7	1.032	1.885	20.3	20.7

129959 1999 TW_{272} 10 28.5 68°.06 3°.7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.00	+21 46.2	1.602	2.455	15.2	19.3
10 8	2 34.17	+22 26.2	1.551	2.472	11.4	19.1
10 18	2 23.97	+22 50.7	1.522	2.488	7.2	18.9
10 28	2 12.51	+22 59.1	1.520	2.505	3.9	18.8
11 7	2 1.19	+22 53.8	1.546	2.522	5.1	18.9
11 17	1 51.32	+22 39.5	1.600	2.538	8.9	19.1
11 27	1 43.92	+22 22.9	1.679	2.555	12.6	19.4
12 7	1 39.53	+22 10.0	1.779	2.572	15.7	19.7

445821 2012 BV_{135} 10 28.5 12°.32 1°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.03	+18 12.3	1.662	2.537	13.7	20.7
10 8	2 27.81	+17 46.2	1.601	2.539	9.8	20.5
10 18	2 20.61	+17 6.5	1.563	2.541	5.5	20.2
10 28	2 12.35	+16 16.7	1.551	2.544	1.3	20.0
11 7	2 4.15	+15 22.6	1.567	2.547	4.2	20.2
11 17	1 57.08	+14 30.6	1.610	2.551	8.6	20.5
11 27	1 52.02	+13 47.1	1.678	2.555	12.5	20.7
12 7	1 49.48	+13 16.6	1.767	2.560	15.8	20.9

397289 2006 SX_{83} 10 28.5 16°.89 2°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.99	+10 10.5	1.657	2.547	12.8	21.4
10 8	2 27.70	+ 9 19.8	1.601	2.549	8.9	21.2
10 18	2 20.52	+ 8 22.9	1.569	2.552	4.7	20.9
10 28	2 12.35	+ 7 25.6	1.564	2.554	2.2	20.8
11 7	2 4.27	+ 6 34.5	1.586	2.557	5.6	21.0
11 17	1 57.30	+ 5 55.3	1.635	2.561	9.8	21.2
11 27	1 52.28	+ 5 32.1	1.708	2.565	13.5	21.5
12 7	1 49.67	+ 5 26.5	1.802	2.569	16.5	21.7

446007 2013 CC_{35} 10 28.5 226°.70 0°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.90	+15 8.8	2.150	3.020	11.2	21.8
10 8	2 28.12	+14 28.9	2.075	3.013	7.9	21.5
10 18	2 20.70	+13 39.5	2.025	3.005	4.2	21.3
10 28	2 12.37	+12 44.2	2.003	2.997	0.2	21.0
11 7	2 4.02	+11 47.9	2.012	2.989	3.9	21.3
11 17	1 56.52	+10 55.9	2.049	2.980	7.7	21.5
11 27	1 50.62	+10 13.3	2.112	2.971	11.1	21.7
12 7	1 46.82	+ 9 43.3	2.199	2.961	14.0	21.9

333264 2012 JL_{22} 10 28.5 225°.69 2°.1/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.91	+ 6 26.7	2.558	3.433	9.5	21.0
10 8	2 28.58	+ 6 14.2	2.486	3.426	6.6	20.9
10 18	2 20.86	+ 6 0.7	2.440	3.419	3.7	20.7
10 28	2 12.38	+ 5 49.1	2.424	3.412	2.1	20.5
11 7	2 3.88	+ 5 42.3	2.439	3.405	4.4	20.7
11 17	1 56.08	+ 5 42.6	2.483	3.397	7.4	20.9
11 27	1 49.64	+ 5 52.1	2.554	3.389	10.2	21.0
12 7	1 44.99	+ 6 11.5	2.648	3.381	12.6	21.2

12639 Tonkoopman 10 28.5 282°.10 0°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.23	+13 24.8	1.757	2.638	12.7	18.7
10 8	2 28.69	+12 44.2	1.680	2.624	9.0	18.4
10 18	2 21.14	+11 53.8	1.627	2.609	4.7	18.1
10 28	2 12.40	+10 57.9	1.601	2.594	0.9	17.8
11 7	2 3.56	+10 2.5	1.604	2.580	4.8	18.1
11 17	1 55.70	+ 9 14.1	1.634	2.565	9.3	18.3
11 27	1 49.74	+ 8 38.1	1.688	2.550	13.3	18.5
12 7	1 46.27	+ 8 18.1	1.763	2.536	16.6	18.7

515554 2014 HO_{13} 10 28.5 168°.47 0°.9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.70	+12 31.8	2.180	3.053	10.9	22.5
10 8	2 28.56	+11 51.9	2.116	3.056	7.6	22.3
10 18	2 20.88	+11 5.3	2.078	3.059	3.9	22.1
10 28	2 12.39	+10 15.7	2.069	3.062	0.9	21.9
11 7	2 3.97	+ 9 28.0	2.090	3.064	4.2	22.1
11 17	1 56.44	+ 8 46.9	2.140	3.066	7.8	22.3
11 27	1 50.51	+ 8 16.2	2.216	3.067	11.0	22.5
12 7	1 46.63	+ 7 58.3	2.315	3.068	13.7	22.7

449530 2014 HL_{38} 10 28.5 93°.36 3°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.26	+ 4 6.6	1.901	2.786	11.7	21.1
10 8	2 29.69	+ 3 34.9	1.854	2.798	8.3	20.9
10 18	2 21.46	+ 3 4.1	1.833	2.810	4.9	20.8
10 28	2 12.42	+ 2 38.9	1.839	2.822	3.7	20.7
11 7	2 3.56	+ 2 23.6	1.874	2.833	6.1	20.9
11 17	1 55.77	+ 2 21.1	1.936	2.845	9.5	21.1
11 27	1 49.81	+ 2 33.0	2.023	2.856	12.6	21.4
12 7	1 46.09	+ 2 58.9	2.131	2.868	15.2	21.6

264122 2009 TD_{22} 10 28.5 8°.43 3°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.52	+25 6.4	2.125	2.961	12.6	20.2
10 8	2 29.39	+25 23.2	2.053	2.961	9.7	20.1
10 18	2 21.43	+25 25.1	2.005	2.962	6.5	19.9
10 28	2 12.43	+25 12.2	1.983	2.962	4.0	19.7
11 7	2 3.38	+24 46.7	1.991	2.963	4.5	19.7
11 17	1 55.27	+24 13.1	2.026	2.964	7.4	19.9
11 27	1 48.93	+23 36.9	2.088	2.965	10.5	20.1
12 7	1 44.90	+23 3.9	2.174	2.966	13.2	20.3

210296 2007 TX_{94} 10 28.5 348°.92 4°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 30.46	+ 7 51.4	1.439	2.342	13.6	19.4
10 8	2 26.15	+ 6 3.2	1.383	2.337	9.5	19.2
10 18	2 19.80	+ 4 7.9	1.351	2.333	5.6	18.9
10 28	2 12.34	+ 2 16.1	1.346	2.329	4.6	18.9
11 7	2 4.95	+ 0 38.4	1.367	2.326	8.0	19.1
11 17	1 58.73	− 0 36.6	1.413	2.324	12.2	19.3
11 27	1 54.58	− 1 24.0	1.481	2.322	16.0	19.5
12 7	1 52.99	− 1 43.5	1.567	2.321	19.1	19.8

306701 2000 VC_{43} 10 28.5 339°.55 1°.4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.01	+16 12.5	1.158	2.054	16.8	19.4
10 8	2 29.41	+16 27.4	1.089	2.037	12.2	19.1
10 18	2 21.87	+16 29.3	1.040	2.021	6.8	18.7
10 28	2 12.47	+16 20.0	1.014	2.007	1.6	18.4
11 7	2 2.78	+16 3.9	1.012	1.994	5.5	18.6
11 17	1 54.45	+15 47.4	1.034	1.982	11.2	18.9
11 27	1 48.89	+15 37.6	1.077	1.972	16.4	19.1
12 7	1 46.87	+15 40.0	1.138	1.964	20.7	19.4

104039 2000 EY_{5} 10 28.5 35°.91 1°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.35	+19 0.7	1.721	2.587	13.7	19.2
10 8	2 30.14	+19 1.8	1.659	2.591	10.0	19.0
10 18	2 21.87	+18 50.0	1.620	2.594	5.8	18.8
10 28	2 12.46	+18 27.1	1.607	2.598	2.1	18.5
11 7	2 3.09	+17 57.0	1.623	2.602	4.2	18.7
11 17	1 54.87	+17 25.0	1.666	2.606	8.4	19.0
11 27	1 48.72	+16 57.0	1.734	2.611	12.2	19.2
12 7	1 45.19	+16 37.8	1.824	2.615	15.4	19.4

153285 2001 DD_{111} 10 28.5 159°.71 1°.5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.80	+ 8 55.0	2.693	3.565	9.1	20.5
10 8	2 27.70	+ 8 34.0	2.630	3.570	6.3	20.4
10 18	2 20.37	+ 8 10.4	2.595	3.575	3.3	20.2
10 28	2 12.40	+ 7 47.0	2.589	3.579	1.5	20.0
11 7	2 4.47	+ 7 26.8	2.614	3.583	3.8	20.2
11 17	1 57.26	+ 7 12.6	2.668	3.587	6.8	20.4
11 27	1 51.34	+ 7 6.6	2.750	3.590	9.5	20.6
12 7	1 47.10	+ 7 10.3	2.856	3.593	11.7	20.8

249709 2000 OL_{68} 10 28.5 82°.89 1°.1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.79	+13 20.1	1.272	2.160	16.1	21.2
10 8	2 32.66	+12 33.9	1.234	2.181	11.2	20.9
10 18	2 23.14	+11 37.3	1.219	2.202	5.7	20.7
10 28	2 12.53	+10 36.9	1.229	2.222	1.1	20.5
11 7	2 2.34	+ 9 40.8	1.266	2.243	5.8	20.8
11 17	1 53.88	+ 8 56.2	1.329	2.263	10.8	21.2
11 27	1 48.08	+ 8 28.5	1.415	2.282	15.0	21.5
12 7	1 45.35	+ 8 19.5	1.520	2.302	18.4	21.8

6167 Narmanskij 10 28.5 46°.67 1°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.89	+17 15.8	1.182	2.069	17.1	16.9
10 8	2 31.55	+16 59.6	1.145	2.089	12.2	16.7
10 18	2 22.66	+16 28.0	1.129	2.109	6.6	16.5
10 28	2 12.54	+15 45.5	1.137	2.129	1.3	16.2
11 7	2 2.81	+14 59.3	1.170	2.151	5.1	16.5
11 17	1 54.86	+14 17.3	1.228	2.172	10.3	16.9
11 27	1 49.69	+13 46.4	1.310	2.194	14.8	17.2
12 7	1 47.69	+13 30.7	1.410	2.217	18.4	17.5

66124 1998 SC_{111} 10 28.5 64°.33 0°.1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.04	+15 53.4	2.032	2.904	11.7	19.2
10 8	2 27.44	+15 16.4	1.981	2.920	8.2	19.0
10 18	2 20.30	+14 30.2	1.956	2.936	4.3	18.8
10 28	2 12.43	+13 38.5	1.959	2.952	0.3	18.5
11 7	2 4.71	+12 46.4	1.990	2.968	3.8	18.8
11 17	1 58.00	+11 58.9	2.050	2.985	7.5	19.1
11 27	1 52.96	+11 20.8	2.137	3.001	10.8	19.3
12 7	1 49.99	+10 54.8	2.246	3.018	13.5	19.5

509901 2009 DK 10 28.5 142°.58 0°.5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.61	+14 11.0	2.081	2.952	11.4	22.0
10 8	2 28.56	+13 28.8	2.020	2.960	8.0	21.8
10 18	2 20.92	+12 38.3	1.986	2.967	4.1	21.6
10 28	2 12.46	+11 43.3	1.980	2.973	0.5	21.3
11 7	2 4.11	+10 49.2	2.003	2.979	4.0	21.6
11 17	1 56.71	+10 1.1	2.056	2.985	7.8	21.9
11 27	1 51.00	+ 9 23.4	2.134	2.990	11.1	22.1
12 7	1 47.39	+ 8 58.9	2.235	2.996	13.9	22.3

509180 2006 HK_{153} 10 28.5 99°.61 1°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.90	+11 58.1	1.385	2.272	15.1	21.8
10 8	2 31.97	+11 3.3	1.342	2.289	10.5	21.6
10 18	2 22.79	+ 9 59.9	1.323	2.305	5.4	21.4
10 28	2 12.56	+ 8 54.6	1.329	2.321	1.8	21.2
11 7	2 2.64	+ 7 55.4	1.363	2.337	5.9	21.5
11 17	1 54.27	+ 7 9.1	1.423	2.352	10.6	21.8
11 27	1 48.38	+ 6 40.7	1.507	2.367	14.7	22.1
12 7	1 45.38	+ 6 31.6	1.610	2.381	18.0	22.4

318687 2005 QP_{52} 10 28.5 74°.18 1°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.55	+18 25.8	1.410	2.282	15.9	20.4
10 8	2 33.16	+18 21.8	1.368	2.304	11.4	20.2
10 18	2 23.44	+18 3.1	1.349	2.325	6.4	20.0
10 28	2 12.60	+17 32.5	1.355	2.347	1.9	19.7
11 7	2 2.09	+16 55.5	1.389	2.369	4.7	20.0
11 17	1 53.21	+16 18.7	1.449	2.390	9.4	20.3
11 27	1 46.92	+15 48.9	1.534	2.411	13.5	20.6
12 7	1 43.64	+15 30.5	1.639	2.432	16.8	20.9

33742 1999 NK_{50} 10 28.5 279°.08 1°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.21	+19 53.0	1.707	2.573	13.8	17.9
10 8	2 29.55	+19 26.5	1.625	2.557	10.1	17.6
10 18	2 21.69	+18 43.9	1.566	2.541	5.9	17.4
10 28	2 12.52	+17 47.7	1.533	2.525	1.9	17.1
11 7	2 3.18	+16 43.4	1.528	2.508	4.3	17.2
11 17	1 54.88	+15 38.3	1.551	2.492	8.9	17.4
11 27	1 48.62	+14 40.0	1.599	2.475	13.1	17.7
12 7	1 45.05	+13 54.6	1.668	2.459	16.7	17.9

220109 2002 TJ_{29} 10 28.6 24°.30 0°.8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.70	+12 36.2	0.931	1.841	18.5	19.3
10 8	2 30.44	+12 29.1	0.898	1.854	12.9	19.1
10 18	2 22.22	+12 11.3	0.883	1.868	6.7	18.8
10 28	2 12.54	+11 48.4	0.890	1.884	0.8	18.5
11 7	2 3.22	+11 27.6	0.921	1.901	6.3	18.9
11 17	1 55.88	+11 15.6	0.974	1.920	12.1	19.3
11 27	1 51.63	+11 17.4	1.047	1.940	17.0	19.6
12 7	1 50.90	+11 35.2	1.138	1.961	20.9	20.0

485765 2012 CW_{14} 10 28.6 97°.42 6°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.08	+37 2.8	2.484	3.246	13.2	20.9
10 8	2 31.06	+37 27.4	2.422	3.264	11.0	20.8
10 18	2 22.26	+37 31.6	2.383	3.283	8.8	20.7
10 28	2 12.54	+37 13.9	2.369	3.301	7.1	20.6
11 7	2 2.91	+36 36.3	2.382	3.318	6.6	20.6
11 17	1 54.32	+35 42.9	2.424	3.336	7.7	20.7
11 27	1 47.58	+34 40.3	2.492	3.353	9.6	20.8
12 7	1 43.14	+33 35.5	2.585	3.370	11.6	21.0

139684 2001 QV_{208} 10 28.6 45°.62 2°.5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.07	+20 48.2	1.596	2.461	14.7	19.4
10 8	2 29.98	+20 45.2	1.545	2.475	10.7	19.2
10 18	2 21.78	+20 26.7	1.517	2.490	6.4	19.0
10 28	2 12.52	+19 54.8	1.515	2.504	2.7	18.8
11 7	2 3.42	+19 14.3	1.540	2.520	4.4	18.9
11 17	1 55.65	+18 31.5	1.593	2.535	8.5	19.2
11 27	1 50.09	+17 53.1	1.670	2.551	12.3	19.5
12 7	1 47.21	+17 24.3	1.768	2.567	15.5	19.7

163264 2002 GY_{72} 10 28.6 152°.81 2°.0/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.96	+ 9 40.7	1.891	2.772	12.0	20.4
10 8	2 29.62	+ 9 0.3	1.833	2.777	8.3	20.2
10 18	2 21.52	+ 8 15.0	1.800	2.781	4.4	20.0
10 28	2 12.51	+ 7 29.5	1.795	2.785	2.0	19.8
11 7	2 3.59	+ 6 49.2	1.819	2.789	5.1	20.1
11 17	1 55.72	+ 6 18.6	1.871	2.793	9.0	20.3
11 27	1 49.68	+ 6 1.4	1.948	2.796	12.4	20.5
12 7	1 45.92	+ 5 59.1	2.046	2.798	15.3	20.7

154891 2004 RS_{176} 10 28.6 42°.81 3°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.88	+26 5.3	2.057	2.894	13.0	19.7
10 8	2 28.25	+25 54.3	1.988	2.896	9.9	19.5
10 18	2 20.85	+25 26.1	1.941	2.899	6.6	19.4
10 28	2 12.48	+24 41.8	1.922	2.902	4.0	19.2
11 7	2 4.15	+23 45.4	1.930	2.905	4.4	19.2
11 17	1 56.81	+22 42.5	1.967	2.908	7.3	19.4
11 27	1 51.26	+21 40.1	2.031	2.911	10.5	19.6
12 7	1 47.98	+20 44.2	2.118	2.914	13.4	19.8

516905 2011 SO_{260} 10 28.6 335°.98 0°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.27	+17 5.2	1.688	2.567	13.3	21.4
10 8	2 27.30	+16 0.2	1.621	2.563	9.4	21.1
10 18	2 20.41	+14 40.6	1.578	2.559	5.0	20.9
10 28	2 12.47	+13 12.0	1.562	2.556	0.2	20.5
11 7	2 4.58	+11 42.3	1.575	2.553	4.5	20.8
11 17	1 57.76	+10 19.7	1.614	2.550	9.0	21.1
11 27	1 52.89	+ 9 11.4	1.679	2.548	13.0	21.3
12 7	1 50.45	+ 8 21.8	1.765	2.546	16.3	21.5

519832 2013 JJ_{67} 10 28.6 187°.95 5°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.74	− 2 47.4	2.416	3.296	9.8	22.0
10 8	2 27.09	− 3 42.7	2.362	3.295	7.3	21.9
10 18	2 20.11	− 4 33.0	2.335	3.295	5.5	21.8
10 28	2 12.46	− 5 13.2	2.336	3.294	5.4	21.8
11 7	2 4.86	− 5 39.2	2.365	3.293	7.2	21.9
11 17	1 58.03	− 5 48.7	2.421	3.291	9.6	22.0
11 27	1 52.58	− 5 40.7	2.502	3.289	11.9	22.2
12 7	1 48.91	− 5 16.2	2.603	3.288	13.9	22.4

404976 1999 VT_{107} 10 28.6 341°.15 2°.9/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.70	+25 32.6	1.986	2.830	13.1	20.1
10 8	2 26.76	+24 45.1	1.911	2.826	9.9	19.9
10 18	2 20.07	+23 38.3	1.859	2.823	6.3	19.7
10 28	2 12.45	+22 14.9	1.835	2.820	3.2	19.5
11 7	2 4.88	+20 40.9	1.839	2.817	4.0	19.5
11 17	1 58.28	+19 3.9	1.872	2.815	7.4	19.7
11 27	1 53.46	+17 32.1	1.932	2.812	11.0	20.0
12 7	1 50.86	+16 12.1	2.015	2.810	14.0	20.2

251696 1995 YU_{6} 10 28.6 28°.99 1°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.25	+19 57.4	1.763	2.631	13.3	19.4
10 8	2 27.19	+19 13.5	1.703	2.637	9.6	19.2
10 18	2 20.30	+18 14.6	1.667	2.643	5.4	19.0
10 28	2 12.47	+17 4.6	1.658	2.650	1.5	18.7
11 7	2 4.75	+15 49.9	1.677	2.657	4.0	18.9
11 17	1 58.13	+14 37.9	1.724	2.665	8.1	19.2
11 27	1 53.40	+13 35.3	1.796	2.673	11.9	19.4
12 7	1 51.02	+12 47.0	1.890	2.681	15.0	19.7

429860 2012 RN_{31} 10 28.6 100°.31 5°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.50	+26 8.4	1.709	2.540	15.5	21.0
10 8	2 35.96	+26 53.1	1.655	2.558	11.9	20.9
10 18	2 24.99	+27 18.8	1.624	2.577	8.2	20.7
10 28	2 12.72	+27 24.1	1.620	2.595	5.4	20.6
11 7	2 0.57	+27 10.9	1.644	2.612	5.9	20.6
11 17	1 49.89	+26 44.5	1.696	2.629	8.9	20.8
11 27	1 41.74	+26 12.4	1.774	2.646	12.2	21.1
12 7	1 36.64	+25 42.2	1.874	2.663	15.2	21.3

143965 2003 YC_{133} 10 28.6 230°.77 2°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.03	+ 7 35.0	1.511	2.398	14.0	19.8
10 8	2 32.22	+ 7 9.6	1.448	2.395	9.9	19.5
10 18	2 23.09	+ 6 41.0	1.410	2.391	5.4	19.3
10 28	2 12.64	+ 6 14.3	1.398	2.387	2.9	19.1
11 7	2 2.20	+ 5 55.0	1.413	2.383	6.4	19.3
11 17	1 53.03	+ 5 47.7	1.455	2.379	10.9	19.6
11 27	1 46.16	+ 5 55.5	1.521	2.374	15.0	19.8
12 7	1 42.16	+ 6 19.4	1.606	2.370	18.3	20.0

143214 2002 YY 10 28.6 325°.19 2°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.08	+ 9 10.0	1.189	2.094	15.7	18.9
10 8	2 29.33	+ 8 32.3	1.121	2.075	11.1	18.6
10 18	2 21.81	+ 7 47.1	1.073	2.057	6.0	18.3
10 28	2 12.58	+ 7 1.2	1.050	2.040	3.0	18.1
11 7	2 3.13	+ 6 22.8	1.051	2.024	7.3	18.3
11 17	1 54.98	+ 5 59.5	1.075	2.009	12.7	18.5
11 27	1 49.45	+ 5 56.3	1.120	1.995	17.6	18.8
12 7	1 47.23	+ 6 15.0	1.183	1.982	21.7	19.0

450714 2007 CG_{28} 10 28.6 115°.86 6°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.17	− 5 39.1	2.199	3.079	10.5	21.1
10 8	2 26.75	− 6 58.4	2.158	3.086	8.2	21.0
10 18	2 19.95	− 8 9.7	2.143	3.092	6.8	20.9
10 28	2 12.47	− 9 6.7	2.156	3.098	7.0	20.9
11 7	2 5.12	− 9 44.7	2.195	3.104	8.7	21.1
11 17	1 58.62	−10 1.2	2.261	3.110	10.9	21.2
11 27	1 53.62	− 9 56.0	2.349	3.116	13.2	21.4
12 7	1 50.49	− 9 31.1	2.456	3.122	15.1	21.6

409173 2003 UG_{239} 10 28.6 39°.83 3°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.28	+21 33.7	1.959	2.808	13.0	20.5
10 8	2 31.38	+22 9.6	1.899	2.818	9.7	20.3
10 18	2 22.53	+22 32.8	1.864	2.829	6.2	20.1
10 28	2 12.62	+22 43.2	1.856	2.840	3.4	19.9
11 7	2 2.73	+22 42.6	1.876	2.851	4.4	20.0
11 17	1 53.92	+22 34.5	1.925	2.863	7.7	20.3
11 27	1 47.05	+22 24.0	2.001	2.875	10.9	20.5
12 7	1 42.67	+22 15.8	2.099	2.887	13.8	20.7

122032 2000 GS_{64} 10 28.6 231°.27 0°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.54	+15 19.0	1.777	2.647	13.2	20.0
10 8	2 31.77	+15 5.8	1.701	2.638	9.4	19.8
10 18	2 22.84	+14 42.4	1.650	2.629	5.1	19.5
10 28	2 12.65	+14 11.5	1.626	2.619	0.5	19.1
11 7	2 2.35	+13 37.5	1.630	2.609	4.4	19.4
11 17	1 53.09	+13 5.7	1.663	2.598	8.9	19.7
11 27	1 45.88	+12 41.6	1.721	2.587	12.9	19.9
12 7	1 41.31	+12 29.1	1.801	2.575	16.3	20.1

157653 2005 YU_{30} 10 28.6 195°.78 2°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.71	+ 5 30.2	2.433	3.314	9.6	20.3
10 8	2 27.10	+ 4 49.8	2.370	3.312	6.8	20.1
10 18	2 20.16	+ 4 8.4	2.333	3.311	3.9	19.9
10 28	2 12.50	+ 3 30.1	2.325	3.309	2.9	19.8
11 7	2 4.88	+ 2 59.0	2.347	3.307	5.1	20.0
11 17	1 58.00	+ 2 38.2	2.398	3.305	8.0	20.2
11 27	1 52.48	+ 2 30.1	2.474	3.303	10.8	20.3
12 7	1 48.75	+ 2 35.3	2.573	3.300	13.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
196670 2003 ST_{52}		10 28.6 4°.91 1°.5/29.8 18				
	h m	° ′			°	m
9 28	2 31.76	+19 24.2	1.749	2.620	13.3	19.4
10 8	2 26.94	+19 2.6	1.685	2.620	9.6	19.2
10 18	2 20.23	+18 27.2	1.645	2.621	5.5	18.9
10 28	2 12.50	+17 40.8	1.631	2.623	1.7	18.7
11 7	2 4.81	+16 48.6	1.645	2.625	4.0	18.8
11 17	1 58.16	+15 56.8	1.686	2.628	8.1	19.1
11 27	1 53.40	+15 11.8	1.751	2.632	11.9	19.3
12 7	1 51.03	+14 38.3	1.839	2.637	15.1	19.6
318303 2004 TP_{87}		10 28.6 207°.49 2°.0/26.5 17				
9 28	2 31.69	+ 9 48.5	2.239	3.121	10.3	21.7
10 8	2 26.49	+ 8 48.1	2.175	3.119	7.2	21.5
10 18	2 19.88	+ 7 42.5	2.136	3.118	3.8	21.3
10 28	2 12.51	+ 6 36.8	2.127	3.116	2.1	21.2
11 7	2 5.18	+ 5 36.2	2.148	3.115	4.8	21.3
11 17	1 58.65	+ 4 45.7	2.196	3.113	8.1	21.5
11 27	1 53.58	+ 4 8.9	2.271	3.111	11.2	21.7
12 7	1 50.40	+ 3 47.7	2.367	3.109	13.7	21.9
391983 2008 YP_{6}		10 28.6 64°.03 0°.0/28.6 18				
9 28	2 33.96	+17 9.0	1.639	2.515	13.7	20.5
10 8	2 28.49	+16 8.1	1.578	2.519	9.7	20.2
10 18	2 21.04	+14 53.1	1.542	2.523	5.1	20.0
10 28	2 12.57	+13 29.3	1.533	2.527	0.3	19.6
11 7	2 4.21	+12 4.7	1.552	2.530	4.5	20.0
11 17	1 57.02	+10 47.3	1.598	2.534	9.1	20.2
11 27	1 51.89	+ 9 44.2	1.669	2.538	13.0	20.5
12 7	1 49.26	+ 8 59.3	1.762	2.542	16.3	20.7
511321 2014 DX_{124}		10 28.6 71°.20 0°.9/29.2 18				
9 28	2 35.69	+17 40.7	1.656	2.528	13.8	21.1
10 8	2 29.71	+17 13.8	1.597	2.534	9.9	20.9
10 18	2 21.69	+16 33.8	1.562	2.540	5.4	20.6
10 28	2 12.61	+15 44.2	1.553	2.546	1.1	20.3
11 7	2 3.62	+14 50.8	1.572	2.552	4.3	20.6
11 17	1 55.84	+14 0.2	1.619	2.558	8.7	20.9
11 27	1 50.15	+13 18.6	1.691	2.564	12.6	21.1
12 7	1 47.05	+12 50.2	1.783	2.571	15.9	21.4
324229 2006 BY_{100}		10 28.6 84°.85 3°.8/31.9 18				
9 28	2 35.23	+26 6.3	2.243	3.073	12.3	20.8
10 8	2 29.14	+26 15.6	2.172	3.076	9.5	20.6
10 18	2 21.34	+26 9.7	2.126	3.080	6.4	20.5
10 28	2 12.60	+25 48.8	2.106	3.083	4.1	20.3
11 7	2 3.85	+25 15.7	2.115	3.087	4.4	20.4
11 17	1 56.00	+24 34.6	2.153	3.090	7.0	20.5
11 27	1 49.85	+23 51.2	2.218	3.093	10.0	20.7
12 7	1 45.89	+23 11.2	2.306	3.097	12.6	20.9
419993 2011 CW_{32}		10 28.6 261°.57 6°.8/ 4.4 17				
9 28	2 36.17	+36 44.6	2.473	3.240	13.1	21.2
10 8	2 29.96	+37 10.3	2.385	3.231	11.0	21.0
10 18	2 21.86	+37 16.1	2.320	3.222	8.9	20.9
10 28	2 12.63	+37 0.1	2.280	3.214	7.2	20.8
11 7	2 3.26	+36 23.3	2.267	3.205	6.8	20.7
11 17	1 54.75	+35 29.2	2.281	3.195	8.0	20.8
11 27	1 47.98	+34 24.4	2.322	3.186	10.0	20.9
12 7	1 43.54	+33 16.0	2.387	3.177	12.3	21.0
25078 1998 QV_{99}		10 28.6 42°.12 2°.9/26.9 18				
9 28	2 36.72	+ 9 37.9	1.083	1.988	16.9	18.1
10 8	2 30.76	+ 8 49.2	1.053	2.008	11.7	17.8
10 18	2 22.28	+ 7 54.8	1.045	2.029	6.1	17.6
10 28	2 12.65	+ 7 2.9	1.059	2.050	2.9	17.5
11 7	2 3.47	+ 6 21.6	1.099	2.072	7.1	17.8
11 17	1 56.12	+ 5 57.1	1.162	2.095	12.1	18.2
11 27	1 51.54	+ 5 52.8	1.247	2.118	16.4	18.5
12 7	1 50.09	+ 6 8.5	1.350	2.142	19.8	18.8
349728 2008 YF_{70}		10 28.6 304°.02 12°.3/ 9.2 16				
9 28	2 40.97	+47 36.4	1.836	2.546	18.8	20.2
10 8	2 34.30	+48 30.8	1.758	2.542	16.9	20.0
10 18	2 24.51	+48 53.1	1.698	2.537	14.9	19.9
10 28	2 12.79	+48 37.2	1.657	2.532	13.2	19.8
11 7	2 0.86	+47 42.0	1.638	2.528	12.3	19.7
11 17	1 50.49	+46 12.2	1.643	2.524	12.7	19.7
11 27	1 43.11	+44 18.5	1.671	2.519	14.1	19.8
12 7	1 39.41	+42 14.1	1.720	2.515	16.1	20.0
144572 2004 FH_{20}		10 28.6 213°.46 1°.0/29.5 18				
9 28	2 34.79	+18 14.6	2.271	3.129	11.1	21.4
10 8	2 28.76	+17 50.1	2.194	3.124	8.0	21.1
10 18	2 21.13	+17 14.7	2.142	3.118	4.5	20.9
10 28	2 12.60	+16 31.0	2.119	3.111	1.1	20.7
11 7	2 4.05	+15 42.9	2.125	3.104	3.4	20.8
11 17	1 56.31	+14 55.3	2.161	3.097	7.1	21.1
11 27	1 50.15	+14 13.1	2.224	3.089	10.4	21.2
12 7	1 46.03	+13 40.4	2.311	3.081	13.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
518268 2016 WP_{54}		10 28.6 318°.69 3°.0/31.0 18				
	h m	° ′			°	m
9 28	2 31.77	+24 34.1	1.448	2.312	15.9	20.9
10 8	2 27.50	+23 44.4	1.364	2.292	12.0	20.6
10 18	2 20.79	+22 28.7	1.301	2.271	7.5	20.3
10 28	2 12.59	+20 49.6	1.263	2.252	3.4	20.0
11 7	2 4.21	+18 55.2	1.252	2.233	4.9	20.0
11 17	1 57.01	+16 56.8	1.267	2.214	9.7	20.3
11 27	1 52.12	+15 6.9	1.306	2.197	14.4	20.5
12 7	1 50.20	+13 35.0	1.366	2.180	18.5	20.7
436147 2009 UK_{141}		10 28.6 304°.87 3°.1/26.9 18				
9 28	2 38.25	+ 6 50.8	1.429	2.321	14.4	20.4
10 8	2 31.83	+ 6 30.1	1.366	2.314	10.2	20.2
10 18	2 22.97	+ 6 7.1	1.325	2.307	5.6	19.9
10 28	2 12.71	+ 5 47.2	1.311	2.300	3.2	19.7
11 7	2 2.39	+ 5 35.6	1.323	2.293	6.7	19.9
11 17	1 53.36	+ 5 36.9	1.361	2.286	11.3	20.2
11 27	1 46.69	+ 5 53.8	1.422	2.280	15.6	20.4
12 7	1 43.01	+ 6 26.8	1.502	2.274	19.1	20.6
150853 2001 SL_{107}		10 28.6 27°.43 5°.1/31.5 18				
9 28	2 36.75	+23 55.4	1.013	1.894	19.9	18.4
10 8	2 31.28	+24 22.2	0.977	1.910	15.0	18.2
10 18	2 22.75	+24 23.7	0.959	1.928	9.7	18.0
10 28	2 12.68	+24 0.4	0.963	1.948	5.5	17.8
11 7	2 2.95	+23 18.8	0.990	1.968	6.5	17.9
11 17	1 55.23	+22 28.3	1.040	1.991	10.9	18.3
11 27	1 50.68	+21 40.1	1.112	2.014	15.4	18.6
12 7	1 49.73	+21 2.3	1.203	2.038	19.2	18.9
310001 2009 JD_{11}		10 28.6 157°.16 1°.3/29.9 18				
9 28	2 34.12	+20 26.1	2.344	3.194	11.1	21.8
10 8	2 28.18	+19 48.3	2.275	3.200	8.0	21.6
10 18	2 20.76	+18 58.2	2.233	3.205	4.6	21.4
10 28	2 12.59	+17 58.6	2.219	3.210	1.5	21.2
11 7	2 4.49	+16 54.1	2.236	3.215	3.3	21.3
11 17	1 57.26	+15 50.0	2.282	3.219	6.7	21.5
11 27	1 51.58	+14 51.7	2.356	3.222	9.8	21.7
12 7	1 47.85	+14 3.5	2.454	3.226	12.5	21.9
90557 2004 FK_{141}		10 28.6 43°.15 2°.3/26.9 18				
9 28	2 34.48	+11 56.5	1.232	2.131	15.7	18.4
10 8	2 29.13	+10 42.4	1.190	2.143	10.9	18.1
10 18	2 21.45	+ 9 18.5	1.171	2.155	5.6	17.9
10 28	2 12.62	+ 7 53.6	1.177	2.168	2.4	17.7
11 7	2 4.08	+ 6 37.7	1.208	2.181	6.6	18.0
11 17	1 57.07	+ 5 39.1	1.264	2.195	11.5	18.3
11 27	1 52.55	+ 5 2.9	1.342	2.209	15.7	18.6
12 7	1 50.94	+ 4 50.2	1.439	2.224	19.2	18.9
191523 2003 UD_{173}		10 28.6 287°.87 0°.7/29.3 18				
9 28	2 31.52	+18 10.8	2.278	3.141	10.9	19.6
10 8	2 26.46	+17 30.1	2.203	3.135	7.8	19.4
10 18	2 19.91	+16 38.3	2.153	3.130	4.3	19.1
10 28	2 12.55	+15 38.4	2.132	3.124	0.8	18.9
11 7	2 5.19	+14 35.3	2.140	3.119	3.4	19.1
11 17	1 58.61	+13 34.2	2.177	3.113	7.0	19.3
11 27	1 53.52	+12 40.4	2.241	3.108	10.2	19.5
12 7	1 50.35	+11 57.7	2.328	3.103	13.0	19.7
320118 2007 EA_{172}		10 28.6 43°.49 3°.4/31.3 18				
9 28	2 35.95	+23 42.6	2.001	2.845	13.0	20.2
10 8	2 29.76	+23 57.2	1.937	2.851	9.8	20.1
10 18	2 21.72	+23 57.1	1.896	2.858	6.4	19.9
10 28	2 12.65	+23 42.8	1.883	2.865	3.7	19.7
11 7	2 3.60	+23 17.0	1.897	2.872	4.4	19.8
11 17	1 55.57	+22 44.3	1.940	2.879	7.5	20.0
11 27	1 49.40	+22 10.6	2.009	2.887	10.7	20.2
12 7	1 45.61	+21 41.2	2.101	2.894	13.6	20.4
23219 2000 VW_{23}		10 28.6 181°.05 0°.9/29.4 18 A				
9 28	2 35.60	+18 59.2	2.013	2.873	12.3	18.2
10 8	2 29.42	+18 16.8	1.943	2.874	8.8	18.0
10 18	2 21.50	+17 21.2	1.898	2.874	4.9	17.8
10 28	2 12.64	+16 15.7	1.882	2.874	1.1	17.5
11 7	2 3.84	+15 5.9	1.895	2.874	3.8	17.7
11 17	1 56.02	+13 58.2	1.937	2.873	7.7	18.0
11 27	1 50.00	+12 58.8	2.006	2.872	11.3	18.2
12 7	1 46.23	+12 12.2	2.097	2.870	14.3	18.4
470542 2008 EZ_{16}		10 28.6 110°.48 0°.6/28.2 16				
9 28	2 38.52	+14 13.1	1.635	2.511	13.8	21.9
10 8	2 31.56	+13 32.7	1.587	2.528	9.6	21.6
10 18	2 22.61	+12 42.4	1.563	2.544	5.0	21.4
10 28	2 12.70	+11 47.2	1.566	2.560	0.6	21.1
11 7	2 3.04	+10 53.5	1.598	2.575	4.7	21.5
11 17	1 54.72	+10 7.5	1.658	2.590	9.2	21.8
11 27	1 48.58	+ 9 34.1	1.743	2.604	13.0	22.0
12 7	1 45.05	+ 9 16.2	1.848	2.618	16.1	22.3

107046 2000 YF_{136} 10 28.6 184°.75 5°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.65	+ 1 18.1	1.794	2.677	12.4	20.6
10 8	2 31.61	+ 0 23.0	1.738	2.678	9.0	20.4
10 18	2 22.67	− 0 29.6	1.707	2.678	6.0	20.3
10 28	2 12.73	− 1 13.2	1.703	2.677	5.3	20.2
11 7	2 2.86	− 1 42.2	1.728	2.676	7.7	20.4
11 17	1 54.11	− 1 52.8	1.779	2.673	11.1	20.6
11 27	1 47.34	− 1 43.7	1.855	2.670	14.3	20.8
12 7	1 43.01	− 1 16.0	1.950	2.667	17.0	21.0

394254 2006 TR_{128} 10 28.6 14°.68 0°.3/28.3 18

9 28	2 33.15	+15 1.3	1.584	2.468	13.7	20.5
10 8	2 28.01	+14 20.4	1.526	2.471	9.6	20.3
10 18	2 20.85	+13 28.2	1.491	2.473	5.0	20.1
10 28	2 12.62	+12 29.6	1.483	2.477	0.4	19.7
11 7	2 4.48	+11 31.3	1.502	2.480	4.7	20.1
11 17	1 57.50	+10 40.0	1.548	2.485	9.2	20.3
11 27	1 52.57	+10 1.5	1.618	2.489	13.2	20.6
12 7	1 50.17	+ 9 39.1	1.708	2.495	16.5	20.8

509412 2007 DC_{116} 10 28.6 254°.96 2°.1/27.1 18

9 28	2 36.82	+10 1.0	1.675	2.559	13.1	21.7
10 8	2 30.64	+ 9 20.6	1.601	2.547	9.2	21.5
10 18	2 22.31	+ 8 33.4	1.552	2.534	4.9	21.2
10 28	2 12.72	+ 7 44.7	1.530	2.521	2.1	21.0
11 7	2 3.02	+ 7 0.6	1.536	2.507	5.7	21.2
11 17	1 54.38	+ 6 26.9	1.569	2.494	10.1	21.4
11 27	1 47.78	+ 6 8.2	1.626	2.480	14.2	21.6
12 7	1 43.81	+ 6 6.7	1.703	2.465	17.5	21.8

231483 2008 OD_{18} 10 28.6 105°.68 5°.2/ 3.8 18

9 28	2 34.38	+34 5.1	2.536	3.320	12.3	20.2
10 8	2 28.40	+33 51.9	2.467	3.332	10.0	20.0
10 18	2 20.90	+33 19.3	2.422	3.345	7.6	19.9
10 28	2 12.63	+32 27.8	2.403	3.357	5.6	19.8
11 7	2 4.49	+31 20.4	2.413	3.368	5.3	19.8
11 17	1 57.28	+30 2.3	2.451	3.380	6.8	19.9
11 27	1 51.71	+28 40.1	2.518	3.392	9.0	20.1
12 7	1 48.17	+27 20.4	2.610	3.403	11.3	20.2

411077 2009 VR_{81} 10 28.6 300°.17 0°.4/28.9 17

9 28	2 34.72	+14 48.5	2.154	3.023	11.2	21.0
10 8	2 28.85	+14 47.6	2.075	3.011	8.0	20.7
10 18	2 21.26	+14 39.3	2.020	2.999	4.3	20.5
10 28	2 12.67	+14 25.5	1.994	2.987	0.5	20.2
11 7	2 3.96	+14 9.2	1.997	2.976	3.7	20.4
11 17	1 56.04	+13 54.2	2.029	2.964	7.5	20.6
11 27	1 49.72	+13 44.2	2.087	2.953	10.9	20.8
12 7	1 45.54	+13 42.3	2.168	2.942	13.9	21.0

18587 1997 YR_{5} 10 28.6 57°.56 3°.0/26.8 18

9 28	2 37.79	+ 8 46.3	1.260	2.157	15.6	17.7
10 8	2 31.54	+ 8 1.2	1.212	2.163	10.9	17.5
10 18	2 22.79	+ 7 10.8	1.187	2.169	5.9	17.2
10 28	2 12.75	+ 6 22.2	1.186	2.176	3.1	17.1
11 7	2 2.89	+ 5 42.8	1.211	2.183	7.0	17.3
11 17	1 54.58	+ 5 19.0	1.262	2.189	11.8	17.6
11 27	1 48.86	+ 5 14.3	1.334	2.196	16.1	17.9
12 7	1 46.23	+ 5 29.3	1.425	2.203	19.6	18.2

164743 1998 SD_{156} 10 28.6 342°.28 1°.0/29.3 18

9 28	2 35.76	+16 42.0	1.576	2.453	14.2	19.3
10 8	2 29.99	+16 37.6	1.510	2.449	10.2	19.1
10 18	2 21.99	+16 21.5	1.466	2.445	5.6	18.8
10 28	2 12.71	+15 55.9	1.448	2.441	1.2	18.5
11 7	2 3.37	+15 25.6	1.458	2.438	4.5	18.7
11 17	1 55.20	+14 56.0	1.494	2.435	9.1	19.0
11 27	1 49.20	+14 33.3	1.554	2.432	13.3	19.3
12 7	1 45.97	+14 21.5	1.635	2.430	16.8	19.5

176100 2001 BX_{26} 10 28.6 5°.98 9°.2/23.0 18

9 28	2 33.41	− 2 2.0	1.034	1.947	16.7	18.6
10 8	2 28.75	− 3 35.4	0.996	1.947	12.7	18.4
10 18	2 21.41	− 4 59.8	0.978	1.947	9.6	18.2
10 28	2 12.67	− 6 2.3	0.983	1.949	9.6	18.2
11 7	2 4.13	− 6 33.4	1.010	1.952	12.6	18.4
11 17	1 57.23	− 6 29.3	1.057	1.956	16.5	18.7
11 27	1 53.06	− 5 51.3	1.123	1.961	20.2	18.9
12 7	1 52.09	− 4 45.0	1.204	1.967	23.4	19.2

521851 2015 TL_{373} 10 28.6 113°.30 6°.3/22.9 18

9 28	2 34.89	− 7 55.6	2.445	3.313	10.1	21.3
10 8	2 28.53	− 8 34.3	2.405	3.323	8.0	21.2
10 18	2 20.89	− 9 3.7	2.390	3.334	6.5	21.1
10 28	2 12.65	− 9 19.3	2.404	3.344	6.5	21.1
11 7	2 4.56	− 9 18.3	2.446	3.354	7.9	21.2
11 17	1 57.33	− 8 59.6	2.514	3.364	10.0	21.4
11 27	1 51.54	− 8 23.8	2.606	3.373	12.0	21.5
12 7	1 47.55	− 7 33.0	2.719	3.383	13.8	21.7

112301 2002 LY_{42} 10 28.6 79°.90 5°.0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.45	+ 5 1.0	1.347	2.244	14.8	19.3
10 8	2 30.93	+ 3 35.9	1.315	2.264	10.4	19.1
10 18	2 22.30	+ 2 11.0	1.306	2.284	6.3	19.0
10 28	2 12.72	+ 0 55.7	1.324	2.304	5.2	19.0
11 7	2 3.53	− 0 1.7	1.367	2.324	8.3	19.2
11 17	1 55.89	− 0 36.1	1.436	2.343	12.3	19.5
11 27	1 50.64	− 0 45.8	1.526	2.363	15.9	19.7
12 7	1 48.15	− 0 32.4	1.635	2.382	18.8	20.0

9962 Pfau 10 28.6 257°.69 0°.5/28.9 18

9 28	2 37.17	+16 34.8	1.667	2.539	13.8	18.6
10 8	2 30.99	+16 9.7	1.588	2.526	9.9	18.4
10 18	2 22.55	+15 31.7	1.533	2.512	5.4	18.1
10 28	2 12.75	+14 44.0	1.505	2.498	0.7	17.7
11 7	2 2.80	+13 52.1	1.505	2.484	4.5	18.0
11 17	1 53.92	+13 2.6	1.532	2.469	9.3	18.2
11 27	1 47.15	+12 22.2	1.584	2.454	13.5	18.4
12 7	1 43.13	+11 55.7	1.657	2.439	17.1	18.6

353525 2011 SB_{136} 10 28.6 47°.56 0°.2/28.4 18

9 28	2 33.65	+16 3.3	1.570	2.452	13.9	20.2
10 8	2 28.27	+15 7.7	1.521	2.464	9.8	20.0
10 18	2 20.94	+13 59.6	1.494	2.476	5.1	19.8
10 28	2 12.65	+12 44.8	1.495	2.488	0.3	19.4
11 7	2 4.55	+11 31.0	1.523	2.501	4.7	19.8
11 17	1 57.70	+10 25.5	1.578	2.514	9.1	20.1
11 27	1 52.93	+ 9 34.6	1.657	2.527	13.0	20.4
12 7	1 50.66	+ 9 1.4	1.757	2.541	16.2	20.6

226324 2003 EB_{26} 10 28.6 231°.88 1°.9/27.1 18

9 28	2 36.71	+10 6.0	1.837	2.718	12.3	21.1
10 8	2 30.39	+ 9 23.7	1.764	2.708	8.6	20.9
10 18	2 22.12	+ 8 35.2	1.717	2.698	4.6	20.6
10 28	2 12.73	+ 7 45.3	1.697	2.688	2.0	20.4
11 7	2 3.28	+ 6 59.6	1.706	2.677	5.3	20.6
11 17	1 54.81	+ 6 23.5	1.742	2.665	9.5	20.9
11 27	1 48.22	+ 6 1.5	1.804	2.653	13.2	21.1
12 7	1 44.06	+ 5 55.6	1.887	2.641	16.3	21.3

481898 2009 AC_{45} 10 28.6 281°.33 7°.2/21.9 18

9 28	2 33.36	− 3 13.4	1.805	2.694	12.0	21.2
10 8	2 28.08	− 4 48.3	1.738	2.674	9.3	21.0
10 18	2 20.91	− 6 19.0	1.696	2.654	7.4	20.8
10 28	2 12.66	− 7 36.6	1.681	2.634	7.7	20.8
11 7	2 4.32	− 8 33.4	1.693	2.614	10.0	20.9
11 17	1 56.87	− 9 4.6	1.729	2.593	13.0	21.0
11 27	1 51.19	− 9 8.5	1.787	2.573	16.0	21.2
12 7	1 47.84	− 8 46.8	1.862	2.552	18.6	21.3

122329 2000 QZ_{22} 10 28.6 56°.55 4°.1/31.5 18

9 28	2 37.62	+24 51.3	1.472	2.326	16.3	19.6
10 8	2 31.36	+24 51.2	1.417	2.336	12.3	19.4
10 18	2 22.70	+24 30.0	1.383	2.347	8.0	19.2
10 28	2 12.76	+23 49.1	1.375	2.358	4.5	19.0
11 7	2 2.96	+22 53.5	1.393	2.370	5.3	19.1
11 17	1 54.63	+21 51.1	1.437	2.381	9.1	19.4
11 27	1 48.78	+20 51.0	1.506	2.393	13.1	19.6
12 7	1 45.94	+20 0.6	1.596	2.405	16.5	19.9

242039 2002 RC_{61} 10 28.6 68°.71 1°.4/27.4 18

9 28	2 33.39	+13 23.7	1.715	2.599	12.9	20.0
10 8	2 27.97	+12 12.9	1.661	2.607	8.9	19.8
10 18	2 20.76	+10 52.4	1.632	2.615	4.6	19.5
10 28	2 12.65	+ 9 28.6	1.631	2.623	1.4	19.3
11 7	2 4.69	+ 8 9.2	1.658	2.631	5.1	19.6
11 17	1 57.85	+ 7 1.2	1.712	2.640	9.2	19.9
11 27	1 52.91	+ 6 10.0	1.791	2.648	12.9	20.1
12 7	1 50.32	+ 5 37.8	1.891	2.656	15.9	20.4

135877 2002 TR_{36} 10 28.6 114°.83 0°.2/28.7 18

9 28	2 39.24	+15 1.9	1.534	2.411	14.5	19.9
10 8	2 32.32	+14 46.3	1.478	2.418	10.3	19.6
10 18	2 23.15	+14 20.0	1.446	2.426	5.5	19.4
10 28	2 12.79	+13 46.5	1.440	2.434	0.4	19.0
11 7	2 2.55	+13 11.0	1.463	2.441	4.7	19.4
11 17	1 53.67	+12 39.5	1.512	2.448	9.4	19.7
11 27	1 47.13	+12 17.6	1.585	2.455	13.6	19.9
12 7	1 43.43	+12 8.6	1.680	2.462	16.9	20.2

23807 1998 QM_{40} 10 28.6 50°.88 7°.6/ 3.5 18

9 28	2 39.00	+33 18.3	1.540	2.354	17.6	17.5
10 8	2 32.40	+33 46.9	1.490	2.372	14.3	17.4
10 18	2 23.27	+33 48.2	1.459	2.391	10.9	17.2
10 28	2 12.81	+33 20.5	1.453	2.409	8.2	17.1
11 7	2 2.53	+32 27.5	1.471	2.429	7.8	17.1
11 17	1 53.85	+31 17.0	1.515	2.448	9.8	17.3
11 27	1 47.82	+29 59.5	1.584	2.468	12.8	17.5
12 7	1 44.94	+28 45.0	1.674	2.487	15.7	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
303571 2005 GB_{110}		10 28.6 220°.05	0°.1/28.5 18			
	h m	° ′			°	m
9 28	2 33.80	+16 34.5	2.131	2.998	11.4	21.1
10 8	2 28.13	+15 33.2	2.055	2.991	8.1	20.9
10 18	2 20.85	+14 20.2	2.005	2.984	4.3	20.7
10 28	2 12.68	+12 59.7	1.983	2.977	0.2	20.3
11 7	2 4.51	+11 37.9	1.992	2.969	3.9	20.6
11 17	1 57.21	+10 21.3	2.030	2.961	7.8	20.8
11 27	1 51.53	+ 9 15.8	2.095	2.952	11.3	21.1
12 7	1 47.94	+ 8 25.4	2.182	2.943	14.2	21.2
131090 2000 YY_{136}		10 28.6 245°.14	4°.0/ 1.3 18			
9 28	2 35.23	+27 55.9	1.898	2.729	14.1	19.5
10 8	2 29.46	+27 22.6	1.816	2.721	10.9	19.3
10 18	2 21.66	+26 27.2	1.757	2.713	7.4	19.0
10 28	2 12.72	+25 11.2	1.725	2.705	4.4	18.8
11 7	2 3.77	+23 39.8	1.721	2.696	4.7	18.8
11 17	1 55.88	+22 0.9	1.746	2.688	8.0	19.0
11 27	1 49.98	+20 23.9	1.797	2.679	11.6	19.2
12 7	1 46.60	+18 56.8	1.872	2.670	14.9	19.4
356257 2009 UL_{140}		10 28.6 39°.74	1°.3/26.6 18			
9 28	2 26.89	+ 7 12.6	4.115	4.990	6.2	20.4
10 8	2 22.71	+ 6 51.9	4.051	4.992	4.3	20.3
10 18	2 17.79	+ 6 30.2	4.015	4.994	2.3	20.2
10 28	2 12.50	+ 6 9.6	4.009	4.997	1.4	20.1
11 7	2 7.23	+ 5 52.0	4.034	4.999	2.9	20.2
11 17	2 2.36	+ 5 39.1	4.089	5.001	4.8	20.4
11 27	1 58.23	+ 5 32.3	4.171	5.004	6.6	20.5
12 7	1 55.12	+ 5 32.7	4.278	5.006	8.2	20.6
224777 2006 GF_{32}		10 28.6 274°.19	0°.6/28.1 17			
9 28	2 33.80	+12 21.6	2.384	3.256	10.2	20.6
10 8	2 28.08	+12 6.0	2.301	3.240	7.2	20.4
10 18	2 20.83	+11 44.7	2.244	3.225	3.8	20.1
10 28	2 12.68	+11 20.3	2.216	3.209	0.6	19.9
11 7	2 4.44	+10 56.3	2.217	3.193	3.7	20.1
11 17	1 56.88	+10 36.0	2.248	3.177	7.3	20.3
11 27	1 50.74	+10 23.0	2.306	3.161	10.4	20.5
12 7	1 46.51	+10 19.6	2.386	3.145	13.2	20.6
246288 2007 TS_{72}		10 28.6 64°.89	1°.5/27.9 17			
9 28	2 42.56	+11 18.4	1.115	2.009	17.4	19.9
10 8	2 34.82	+11 0.4	1.085	2.034	12.1	19.6
10 18	2 24.43	+10 34.6	1.076	2.059	6.2	19.4
10 28	2 12.87	+10 6.6	1.091	2.084	1.5	19.2
11 7	2 1.87	+ 9 42.8	1.132	2.109	6.2	19.6
11 17	1 52.87	+ 9 29.1	1.198	2.134	11.4	19.9
11 27	1 46.88	+ 9 29.5	1.286	2.159	15.9	20.3
12 7	1 44.25	+ 9 45.4	1.393	2.184	19.4	20.6
221775 2007 HA_{5}		10 28.6 14°.49	3°.4/25.4 18			
9 28	2 31.03	+ 6 27.5	1.903	2.795	11.4	20.0
10 8	2 26.22	+ 5 16.4	1.849	2.797	7.9	19.8
10 18	2 19.83	+ 4 2.7	1.820	2.799	4.6	19.6
10 28	2 12.62	+ 2 53.0	1.819	2.802	3.6	19.6
11 7	2 5.50	+ 1 53.5	1.846	2.805	6.2	19.8
11 17	1 59.30	+ 1 9.3	1.899	2.809	9.7	20.0
11 27	1 54.74	+ 0 43.5	1.977	2.812	12.8	20.2
12 7	1 52.26	+ 0 36.7	2.076	2.816	15.4	20.4
521489 2015 OK_{94}		10 28.6 52°.89	2°.9/26.3 18			
9 28	2 33.67	+ 8 17.8	1.756	2.645	12.3	21.4
10 8	2 28.18	+ 7 18.1	1.700	2.648	8.6	21.2
10 18	2 20.90	+ 6 14.0	1.670	2.651	4.7	20.9
10 28	2 12.69	+ 5 11.9	1.667	2.654	3.0	20.8
11 7	2 4.57	+ 4 18.1	1.692	2.658	6.0	21.0
11 17	1 57.52	+ 3 38.1	1.743	2.661	9.8	21.3
11 27	1 52.31	+ 3 15.3	1.819	2.664	13.3	21.5
12 7	1 49.42	+ 3 10.8	1.915	2.668	16.2	21.7
7036 Kentarohirata		10 28.6 194°.57	2°.7/31.7 18			R
9 28	2 33.30	+25 30.0	2.892	3.716	10.0	18.1
10 8	2 27.52	+25 13.2	2.811	3.713	7.6	17.9
10 18	2 20.45	+24 43.8	2.754	3.711	5.0	17.8
10 28	2 12.68	+24 2.7	2.727	3.707	2.9	17.6
11 7	2 4.90	+23 12.9	2.730	3.704	3.3	17.6
11 17	1 57.80	+22 18.2	2.763	3.699	5.7	17.8
11 27	1 51.99	+21 23.3	2.825	3.695	8.3	18.0
12 7	1 47.88	+20 32.7	2.912	3.690	10.6	18.1
201154 2002 KX_{4}		10 28.6 191°.02	3°.3/25.9 18			
9 28	2 36.52	+ 4 43.5	2.099	2.979	11.0	20.7
10 8	2 29.98	+ 4 4.0	2.036	2.977	7.8	20.5
10 18	2 21.81	+ 3 24.0	1.999	2.976	4.6	20.3
10 28	2 12.76	+ 2 48.3	1.991	2.974	3.4	20.2
11 7	2 3.75	+ 2 21.4	2.012	2.971	5.9	20.3
11 17	1 55.66	+ 2 6.7	2.062	2.968	9.2	20.5
11 27	1 49.22	+ 2 6.6	2.137	2.964	12.2	20.7
12 7	1 44.90	+ 2 21.3	2.233	2.960	14.8	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322416 2011 SQ_{92}		10 28.6 246°.97	0°.4/28.9 18			
	h m	° ′			°	m
9 28	2 34.81	+16 24.5	1.884	2.755	12.5	20.5
10 8	2 29.02	+15 57.2	1.816	2.753	8.9	20.3
10 18	2 21.39	+15 19.1	1.772	2.751	4.8	20.1
10 28	2 12.74	+14 33.3	1.756	2.749	0.6	19.7
11 7	2 4.10	+13 44.8	1.768	2.747	4.0	20.0
11 17	1 56.45	+12 59.3	1.808	2.745	8.2	20.2
11 27	1 50.64	+12 22.3	1.874	2.743	11.9	20.5
12 7	1 47.16	+11 57.4	1.962	2.740	15.0	20.7
149026 2002 AR_{124}		10 28.6 307°.13	3°.4/31.2 17			
9 28	2 35.16	+23 44.0	1.919	2.767	13.3	20.2
10 8	2 29.45	+23 50.6	1.839	2.756	10.1	20.0
10 18	2 21.72	+23 41.7	1.782	2.745	6.6	19.7
10 28	2 12.77	+23 17.5	1.751	2.735	3.7	19.5
11 7	2 3.68	+22 41.1	1.748	2.724	4.5	19.6
11 17	1 55.53	+21 57.6	1.773	2.714	7.9	19.8
11 27	1 49.28	+21 13.5	1.824	2.704	11.5	20.0
12 7	1 45.51	+20 34.9	1.897	2.695	14.7	20.2
398154 2010 EE_{107}		10 28.6 144°.83	0°.8/29.3 18			
9 28	2 37.19	+17 10.9	2.020	2.882	12.2	21.8
10 8	2 30.53	+16 54.5	1.958	2.890	8.7	21.6
10 18	2 22.12	+16 27.8	1.920	2.897	4.8	21.3
10 28	2 12.79	+15 53.1	1.911	2.904	1.0	21.1
11 7	2 3.53	+15 14.8	1.931	2.910	3.7	21.3
11 17	1 55.29	+14 37.6	1.980	2.916	7.6	21.6
11 27	1 48.87	+14 6.5	2.056	2.921	11.1	21.8
12 7	1 44.72	+13 45.2	2.154	2.926	14.0	22.0
369949 2013 HW		10 28.6 78°.18	4°.2/25.6 18			
9 28	2 37.46	+ 0 3.0	2.174	3.051	10.8	20.0
10 8	2 30.40	− 0 13.2	2.134	3.071	7.8	19.8
10 18	2 21.91	− 0 25.0	2.121	3.091	5.1	19.7
10 28	2 12.77	− 0 28.7	2.136	3.111	4.3	19.7
11 7	2 3.86	− 0 21.5	2.181	3.130	6.2	19.9
11 17	1 55.96	− 0 2.0	2.254	3.150	9.0	20.1
11 27	1 49.72	+ 0 30.1	2.352	3.170	11.6	20.3
12 7	1 45.50	+ 1 13.7	2.473	3.189	13.8	20.5
81328 2000 GA_{28}		10 28.6 352°.37	2°.8/30.4 18			
9 28	2 37.81	+20 29.1	1.717	2.576	14.1	19.3
10 8	2 31.39	+20 48.8	1.648	2.575	10.4	19.1
10 18	2 22.76	+20 55.0	1.603	2.573	6.4	18.9
10 28	2 12.83	+20 48.1	1.584	2.572	3.0	18.7
11 7	2 2.84	+20 31.0	1.594	2.572	4.5	18.8
11 17	1 53.96	+20 8.4	1.630	2.571	8.5	19.0
11 27	1 47.23	+19 46.3	1.692	2.571	12.3	19.2
12 7	1 43.24	+19 30.1	1.775	2.571	15.6	19.5
206001 2002 PK_{33}		10 28.6 350°.07	2°.4/26.9 18			
9 28	2 32.95	+10 16.0	1.471	2.367	13.8	20.0
10 8	2 28.03	+ 9 23.1	1.412	2.363	9.7	19.7
10 18	2 20.97	+ 8 22.8	1.376	2.359	5.1	19.5
10 28	2 12.74	+ 7 21.6	1.365	2.356	2.4	19.3
11 7	2 4.53	+ 6 27.1	1.381	2.353	6.1	19.5
11 17	1 57.50	+ 5 45.8	1.423	2.352	10.6	19.8
11 27	1 52.60	+ 5 22.6	1.488	2.350	14.7	20.0
12 7	1 50.36	+ 5 19.1	1.572	2.350	18.1	20.3
71826 2000 UX_{43}		10 28.6 229°.05	2°.2/30.1 18			
9 28	2 37.70	+20 55.2	1.429	2.298	15.9	19.0
10 8	2 31.58	+20 28.8	1.363	2.295	11.7	18.8
10 18	2 22.94	+19 43.2	1.318	2.293	6.9	18.5
10 28	2 12.86	+18 41.3	1.299	2.290	2.4	18.2
11 7	2 2.78	+17 29.9	1.307	2.287	4.8	18.4
11 17	1 54.07	+16 17.9	1.341	2.284	9.7	18.7
11 27	1 47.85	+15 14.4	1.399	2.281	14.2	18.9
12 7	1 44.70	+14 26.2	1.477	2.277	18.0	19.2
303499 2005 EY_{135}		10 28.6 123°.84	4°.3/24.2 18			
9 28	2 34.48	+ 1 19.3	2.390	3.269	9.9	21.7
10 8	2 28.26	+ 0 5.9	2.350	3.288	7.1	21.6
10 18	2 20.79	− 1 4.9	2.339	3.307	4.8	21.5
10 28	2 12.74	− 2 7.5	2.357	3.325	4.5	21.5
11 7	2 4.88	− 2 57.4	2.404	3.343	6.4	21.6
11 17	1 57.89	− 3 31.3	2.480	3.360	8.9	21.8
11 27	1 52.34	− 3 48.0	2.580	3.376	11.3	22.0
12 7	1 48.59	− 3 47.7	2.702	3.392	13.3	22.2
392651 2011 UA_{162}		10 28.6 24°.31	8°.5/24.9 18			
9 28	2 37.74	− 5 43.9	1.214	2.111	16.0	19.0
10 8	2 31.32	− 6 7.1	1.187	2.126	12.3	18.8
10 18	2 22.60	− 6 15.4	1.180	2.143	9.3	18.7
10 28	2 12.84	− 6 2.2	1.197	2.160	8.7	18.8
11 7	2 3.51	− 5 24.4	1.238	2.179	10.8	18.9
11 17	1 55.84	− 4 22.9	1.302	2.199	14.1	19.2
11 27	1 50.75	− 3 1.2	1.388	2.220	17.3	19.5
12 7	1 48.61	− 1 24.4	1.491	2.243	20.1	19.7

429527 2011 BL_{80} 10 28.6 147°.02 2°.7/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.96	+22 57.7	1.865	2.711	13.7	21.6
10 8	2 31.94	+22 41.3	1.802	2.720	10.2	21.4
10 18	2 22.93	+22 8.4	1.762	2.729	6.3	21.2
10 28	2 12.87	+21 20.8	1.750	2.737	3.0	21.0
11 7	2 2.92	+20 23.2	1.767	2.744	4.2	21.1
11 17	1 54.15	+19 22.1	1.812	2.751	7.9	21.3
11 27	1 47.46	+18 24.8	1.884	2.757	11.5	21.6
12 7	1 43.32	+17 36.9	1.978	2.763	14.6	21.8

101601 1999 CM 10 28.6 187°.04 5°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.00	− 6 21.3	2.737	3.604	9.2	20.3
10 8	2 28.61	− 7 10.2	2.683	3.603	7.2	20.2
10 18	2 21.00	− 7 52.2	2.656	3.602	5.8	20.1
10 28	2 12.76	− 8 22.7	2.657	3.600	5.8	20.1
11 7	2 4.58	− 8 38.6	2.688	3.598	7.2	20.2
11 17	1 57.11	− 8 38.0	2.746	3.595	9.3	20.3
11 27	1 50.93	− 8 20.7	2.829	3.591	11.3	20.4
12 7	1 46.42	− 7 48.1	2.932	3.586	13.0	20.6

20141 Markidger 10 28.6 8°.75 6°.7/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.28	+24 58.9	0.975	1.854	20.6	17.1
10 8	2 32.19	+25 56.4	0.925	1.855	16.0	16.8
10 18	2 23.60	+26 28.5	0.892	1.857	11.0	16.6
10 28	2 12.92	+26 32.2	0.881	1.861	7.1	16.4
11 7	2 2.18	+26 10.5	0.891	1.867	7.8	16.5
11 17	1 53.38	+25 31.6	0.924	1.873	12.0	16.7
11 27	1 48.04	+24 47.8	0.977	1.882	16.7	17.0
12 7	1 46.79	+24 9.9	1.047	1.891	20.8	17.3

20653 1999 TN_{245} 10 28.6 155°.52 4°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.63	− 0 35.8	2.389	3.269	9.8	17.4
10 8	2 27.78	− 1 21.4	2.337	3.273	7.2	17.2
10 18	2 20.60	− 2 3.2	2.310	3.277	5.0	17.1
10 28	2 12.74	− 2 36.6	2.313	3.280	4.7	17.1
11 7	2 4.97	− 2 57.8	2.344	3.283	6.5	17.2
11 17	1 57.98	− 3 4.4	2.403	3.286	9.1	17.4
11 27	1 52.41	− 2 55.3	2.486	3.289	11.5	17.6
12 7	1 48.63	− 2 31.3	2.591	3.291	13.6	17.7

421946 2014 QD_{254} 10 28.6 9°.86 4°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.17	− 0 13.3	2.032	2.919	11.0	20.7
10 8	2 27.66	− 0 55.4	1.979	2.920	8.0	20.5
10 18	2 20.60	− 1 33.4	1.952	2.921	5.6	20.3
10 28	2 12.75	− 2 2.1	1.952	2.922	5.1	20.3
11 7	2 4.96	− 2 17.2	1.980	2.924	7.1	20.4
11 17	1 58.08	− 2 16.2	2.034	2.926	10.0	20.6
11 27	1 52.80	− 1 58.1	2.112	2.928	12.8	20.8
12 7	1 49.56	− 1 23.8	2.211	2.931	15.2	21.0

292050 2006 RX_{1} 10 28.6 28°.29 7°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.10	+ 1 48.0	0.982	1.897	17.2	18.8
10 8	2 29.89	+ 0 39.0	0.953	1.909	12.4	18.5
10 18	2 22.00	− 0 24.6	0.944	1.921	8.2	18.4
10 28	2 12.82	− 1 11.8	0.957	1.936	7.3	18.4
11 7	2 4.04	− 1 34.4	0.993	1.951	10.5	18.6
11 17	1 57.09	− 1 28.8	1.051	1.967	14.8	18.9
11 27	1 52.98	− 0 55.9	1.127	1.984	18.8	19.2
12 7	1 52.09	+ 0 0.3	1.221	2.002	22.1	19.5

138498 2000 KV_{42} 10 28.6 47°.95 0°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.87	+13 24.0	1.706	2.586	13.1	19.7
10 8	2 29.81	+13 7.1	1.651	2.594	9.2	19.5
10 18	2 21.82	+12 42.2	1.621	2.602	4.8	19.2
10 28	2 12.82	+12 12.9	1.617	2.610	0.4	18.9
11 7	2 3.93	+11 43.8	1.641	2.619	4.5	19.3
11 17	1 56.19	+11 19.8	1.693	2.628	8.7	19.5
11 27	1 50.46	+11 5.3	1.770	2.637	12.5	19.8
12 7	1 47.21	+11 2.9	1.868	2.647	15.6	20.0

347539 2000 AQ_{24} 10 28.6 297°.66 5°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.82	+ 0 37.8	1.681	2.571	12.7	20.5
10 8	2 30.09	− 0 16.9	1.599	2.542	9.4	20.3
10 18	2 22.17	− 1 10.0	1.540	2.512	6.5	20.0
10 28	2 12.86	− 1 54.3	1.509	2.482	6.0	19.9
11 7	2 3.27	− 2 23.0	1.504	2.452	8.6	20.0
11 17	1 54.58	− 2 31.0	1.524	2.421	12.4	20.2
11 27	1 47.82	− 2 16.0	1.567	2.391	16.1	20.3
12 7	1 43.67	− 1 38.8	1.629	2.361	19.3	20.5

140177 2001 SC_{192} 10 28.6 101°.93 0°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.41	+14 15.8	1.918	2.794	12.1	20.3
10 8	2 28.66	+13 40.3	1.857	2.797	8.5	20.1
10 18	2 21.18	+12 56.0	1.820	2.801	4.4	19.8
10 28	2 12.79	+12 6.8	1.811	2.804	0.4	19.5
11 7	2 4.46	+11 17.9	1.830	2.807	4.2	19.8
11 17	1 57.12	+10 34.7	1.878	2.810	8.2	20.1
11 27	1 51.56	+10 1.9	1.951	2.814	11.7	20.3
12 7	1 48.24	+ 9 42.3	2.046	2.817	14.7	20.5

144062 2004 BF_{42} 10 28.6 298°.76 0°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.60	+14 30.9	1.345	2.232	15.5	20.1
10 8	2 31.83	+14 19.3	1.267	2.212	11.1	19.8
10 18	2 23.27	+13 55.9	1.210	2.192	6.0	19.5
10 28	2 12.93	+13 23.9	1.178	2.172	0.4	19.0
11 7	2 2.25	+12 48.9	1.172	2.152	5.4	19.4
11 17	1 52.76	+12 17.8	1.192	2.132	11.0	19.6
11 27	1 45.80	+11 57.5	1.234	2.113	16.0	19.8
12 7	1 42.13	+11 52.8	1.296	2.095	20.2	20.1

443361 2014 GL_{40} 10 28.6 155°.86 2°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.96	+ 5 7.4	2.105	2.980	11.2	21.1
10 8	2 31.67	+ 4 55.1	2.046	2.986	7.9	20.9
10 18	2 22.71	+ 4 42.9	2.013	2.991	4.5	20.7
10 28	2 12.89	+ 4 34.3	2.009	2.995	2.8	20.6
11 7	2 3.14	+ 4 32.6	2.035	2.999	5.3	20.8
11 17	1 54.37	+ 4 40.1	2.090	3.003	8.7	21.0
11 27	1 47.34	+ 4 58.7	2.172	3.007	11.8	21.2
12 7	1 42.49	+ 5 28.4	2.275	3.010	14.4	21.4

54111 2000 HP_{11} 10 28.6 279°.04 2°.3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.45	+ 9 59.3	1.559	2.447	13.6	19.6
10 8	2 30.62	+ 9 13.6	1.481	2.428	9.6	19.3
10 18	2 22.47	+ 8 20.2	1.426	2.409	5.2	19.0
10 28	2 12.88	+ 7 24.5	1.398	2.389	2.4	18.8
11 7	2 3.09	+ 6 33.7	1.397	2.369	6.2	19.0
11 17	1 54.35	+ 5 54.6	1.423	2.349	10.9	19.2
11 27	1 47.75	+ 5 32.4	1.472	2.329	15.2	19.4
12 7	1 43.96	+ 5 29.6	1.540	2.308	18.8	19.6

309619 2008 CM_{25} 10 28.6 254°.54 6°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.38	− 5 24.7	2.182	3.056	10.9	20.4
10 8	2 29.93	− 6 7.5	2.115	3.041	8.5	20.2
10 18	2 21.85	− 6 43.0	2.073	3.026	6.6	20.1
10 28	2 12.84	− 7 5.4	2.059	3.011	6.5	20.1
11 7	2 3.79	− 7 10.7	2.073	2.995	8.3	20.1
11 17	1 55.57	− 6 56.7	2.113	2.979	10.9	20.3
11 27	1 48.93	− 6 23.2	2.178	2.963	13.5	20.4
12 7	1 44.36	− 5 32.2	2.262	2.946	15.8	20.6

488574 2002 AE_{181} 10 28.6 297°.35 5°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.59	− 1 7.0	1.898	2.780	11.9	21.1
10 8	2 31.09	− 1 29.8	1.819	2.756	8.9	20.9
10 18	2 22.60	− 1 47.5	1.764	2.733	6.1	20.7
10 28	2 12.90	− 1 54.7	1.737	2.709	5.5	20.6
11 7	2 3.01	− 1 47.2	1.738	2.686	7.7	20.7
11 17	1 53.99	− 1 22.6	1.766	2.662	11.1	20.9
11 27	1 46.76	− 0 40.2	1.818	2.639	14.4	21.0
12 7	1 41.93	+ 0 18.7	1.890	2.615	17.3	21.2

292340 2006 SG_{194} 10 28.6 326°.90 1°.9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.96	+19 42.2	1.739	2.605	13.6	20.7
10 8	2 29.37	+19 33.8	1.667	2.599	10.0	20.4
10 18	2 21.70	+19 11.4	1.619	2.593	5.9	20.2
10 28	2 12.84	+18 37.0	1.597	2.587	2.1	19.9
11 7	2 3.91	+17 55.0	1.602	2.582	4.2	20.1
11 17	1 56.03	+17 11.1	1.635	2.577	8.4	20.3
11 27	1 50.15	+16 31.9	1.693	2.573	12.3	20.5
12 7	1 46.85	+16 2.5	1.773	2.568	15.7	20.7

340148 2005 YG_{62} 10 28.6 339°.43 1°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.21	+10 17.0	2.406	3.287	9.7	19.9
10 8	2 25.54	+ 9 53.2	2.333	3.277	6.8	19.7
10 18	2 19.51	+ 9 25.3	2.285	3.267	3.6	19.5
10 28	2 12.71	+ 8 56.5	2.266	3.258	1.3	19.3
11 7	2 5.88	+ 8 30.3	2.276	3.249	4.0	19.5
11 17	1 59.72	+ 8 10.2	2.314	3.240	7.2	19.7
11 27	1 54.87	+ 7 59.0	2.378	3.233	10.2	19.9
12 7	1 51.78	+ 7 58.7	2.465	3.225	12.8	20.1

304287 2006 SL_{61} 10 28.6 58°.84 2°.7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.97	+ 7 9.2	1.794	2.680	12.3	19.8
10 8	2 29.79	+ 6 42.2	1.739	2.685	8.6	19.6
10 18	2 21.79	+ 6 13.0	1.709	2.690	4.7	19.4
10 28	2 12.84	+ 5 46.3	1.706	2.695	2.7	19.3
11 7	2 3.99	+ 5 26.7	1.732	2.700	5.6	19.5
11 17	1 56.20	+ 5 17.9	1.785	2.705	9.4	19.7
11 27	1 50.31	+ 5 22.4	1.862	2.710	12.9	20.0
12 7	1 46.77	+ 5 40.8	1.960	2.716	15.7	20.2

514471 2016 UQ_{146} 10 28.6 323°.61 6°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.84	+29 31.2	1.525	2.362	16.7	20.4
10 8	2 30.43	+29 39.5	1.450	2.353	13.3	20.1
10 18	2 22.43	+29 22.9	1.396	2.345	9.6	19.9
10 28	2 12.89	+28 40.3	1.365	2.337	6.6	19.7
11 7	2 3.21	+27 35.4	1.360	2.330	6.5	19.7
11 17	1 54.80	+26 16.1	1.381	2.323	9.6	19.9
11 27	1 48.87	+24 52.9	1.426	2.316	13.4	20.1
12 7	1 46.05	+23 36.0	1.492	2.310	17.0	20.3

90445 2004 BY_{101} 10 28.6 227°.34 1°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.19	+12 20.6	1.766	2.644	12.8	20.3
10 8	2 30.84	+11 32.0	1.692	2.635	9.0	20.1
10 18	2 22.46	+10 34.1	1.643	2.625	4.7	19.8
10 28	2 12.89	+ 9 32.1	1.622	2.614	1.4	19.5
11 7	2 3.26	+ 8 32.3	1.629	2.603	5.1	19.8
11 17	1 54.67	+ 7 41.2	1.665	2.591	9.5	20.0
11 27	1 48.05	+ 7 4.2	1.725	2.579	13.5	20.2
12 7	1 43.96	+ 6 44.4	1.806	2.567	16.7	20.4

28115 1998 SN_{50} 10 28.6 279°.61 0°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.63	+16 58.4	1.542	2.418	14.5	19.0
10 8	2 30.83	+16 31.1	1.462	2.402	10.4	18.7
10 18	2 22.61	+15 49.3	1.405	2.385	5.7	18.4
10 28	2 12.91	+14 56.3	1.374	2.367	0.8	18.0
11 7	2 2.99	+13 58.3	1.370	2.350	4.8	18.2
11 17	1 54.18	+13 2.7	1.393	2.333	9.8	18.5
11 27	1 47.60	+12 17.1	1.440	2.315	14.4	18.7
12 7	1 43.94	+11 46.9	1.508	2.298	18.2	18.9

479376 2013 XZ_{23} 10 28.6 350°.70 4°.7/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.70	+24 42.8	1.104	1.982	18.8	20.0
10 8	2 28.68	+24 41.0	1.042	1.974	14.4	19.7
10 18	2 21.66	+24 12.6	0.998	1.968	9.4	19.4
10 28	2 12.85	+23 18.6	0.977	1.962	5.2	19.1
11 7	2 3.94	+22 5.5	0.978	1.958	6.1	19.2
11 17	1 56.60	+20 44.3	1.003	1.956	10.9	19.4
11 27	1 52.18	+19 27.6	1.050	1.954	15.8	19.7
12 7	1 51.31	+18 25.4	1.115	1.954	20.1	20.0

121676 1999 XM_{54} 10 28.6 265°.18 3°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.19	+ 2 33.2	2.205	3.088	10.4	19.7
10 8	2 28.35	+ 2 0.7	2.142	3.083	7.5	19.5
10 18	2 20.99	+ 1 29.7	2.104	3.079	4.7	19.4
10 28	2 12.81	+ 1 4.7	2.095	3.074	3.9	19.3
11 7	2 4.65	+ 0 49.5	2.115	3.069	6.0	19.4
11 17	1 57.30	+ 0 46.9	2.163	3.065	9.0	19.6
11 27	1 51.46	+ 0 58.6	2.235	3.060	11.9	19.8
12 7	1 47.59	+ 1 24.4	2.329	3.055	14.3	20.0

454538 2014 OW_{333} 10 28.6 77°.39 4°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.68	+ 1 53.1	2.120	3.003	10.8	21.0
10 8	2 28.65	+ 1 21.0	2.068	3.009	7.7	20.8
10 18	2 21.12	+ 0 51.3	2.042	3.015	4.9	20.7
10 28	2 12.82	+ 0 28.7	2.043	3.021	4.1	20.6
11 7	2 4.62	+ 0 16.8	2.074	3.027	6.2	20.8
11 17	1 57.32	+ 0 18.2	2.132	3.032	9.2	21.0
11 27	1 51.62	+ 0 34.0	2.215	3.038	12.0	21.2
12 7	1 47.93	+ 1 3.9	2.319	3.044	14.4	21.4

47378 1999 XN_{96} 10 28.6 345°.55 2°.0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.79	+19 27.0	1.111	2.002	17.7	17.9
10 8	2 29.35	+19 11.2	1.049	1.993	13.0	17.6
10 18	2 21.99	+18 34.9	1.007	1.986	7.5	17.2
10 28	2 12.88	+17 41.6	0.988	1.979	2.3	16.9
11 7	2 3.67	+16 38.7	0.992	1.974	5.4	17.1
11 17	1 56.00	+15 36.3	1.020	1.970	11.1	17.4
11 27	1 51.16	+14 44.7	1.070	1.967	16.3	17.7
12 7	1 49.81	+14 10.5	1.137	1.965	20.6	18.0

479983 2014 JJ_{64} 10 28.6 301°.00 2°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.11	+ 6 3.1	1.641	2.526	13.2	20.6
10 8	2 32.36	+ 6 0.9	1.569	2.513	9.4	20.3
10 18	2 23.34	+ 5 58.4	1.520	2.501	5.2	20.0
10 28	2 12.97	+ 5 59.4	1.500	2.488	2.8	19.9
11 7	2 2.45	+ 6 7.6	1.507	2.476	6.1	20.0
11 17	1 53.01	+ 6 26.0	1.541	2.464	10.4	20.3
11 27	1 45.69	+ 6 56.7	1.599	2.453	14.4	20.5
12 7	1 41.12	+ 7 40.1	1.678	2.441	17.7	20.7

443193 2014 DA_{48} 10 28.6 238°.24 2°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.64	+20 15.0	1.765	2.625	13.8	21.3
10 8	2 31.24	+20 15.8	1.695	2.622	10.1	21.1
10 18	2 22.70	+20 2.7	1.647	2.619	6.1	20.8
10 28	2 12.94	+19 37.0	1.627	2.616	2.5	20.6
11 7	2 3.11	+19 2.3	1.634	2.613	4.3	20.7
11 17	1 54.38	+18 24.3	1.670	2.610	8.4	21.0
11 27	1 47.72	+17 49.4	1.730	2.607	12.2	21.2
12 7	1 43.71	+17 22.7	1.813	2.604	15.5	21.4

325434 2009 OW_{20} 10 28.6 108°.31 7°.6/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.63	− 4 38.3	1.631	2.512	13.5	21.0
10 8	2 32.22	− 5 55.6	1.603	2.534	10.3	20.9
10 18	2 22.97	− 7 2.4	1.600	2.556	8.0	20.8
10 28	2 12.95	− 7 50.7	1.624	2.576	7.9	20.9
11 7	2 3.29	− 8 15.3	1.674	2.596	10.0	21.0
11 17	1 55.02	− 8 14.6	1.749	2.615	12.8	21.3
11 27	1 48.91	− 7 49.6	1.846	2.634	15.5	21.5
12 7	1 45.31	− 7 4.1	1.962	2.652	17.7	21.7

295706 2008 UG_{3} 10 28.6 204°.02 9°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 48.17	+51 33.9	3.001	3.625	13.6	21.8
10 8	2 38.85	+52 35.8	2.910	3.619	12.5	21.7
10 18	2 26.89	+53 14.8	2.838	3.611	11.3	21.5
10 28	2 13.23	+53 26.2	2.788	3.603	10.3	21.5
11 7	1 59.18	+53 8.3	2.763	3.594	9.8	21.4
11 17	1 46.15	+52 23.0	2.762	3.585	10.0	21.4
11 27	1 35.40	+51 16.3	2.787	3.574	10.8	21.5
12 7	1 27.65	+49 56.5	2.834	3.563	12.0	21.5

395510 2011 UJ_{123} 10 28.6 5°.52 2°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.19	+ 8 18.8	1.483	2.379	13.7	20.7
10 8	2 28.88	+ 7 38.6	1.428	2.379	9.6	20.5
10 18	2 21.45	+ 6 54.1	1.397	2.379	5.2	20.2
10 28	2 12.89	+ 6 11.4	1.391	2.380	2.9	20.1
11 7	2 4.39	+ 5 36.8	1.412	2.382	6.3	20.3
11 17	1 57.10	+ 5 15.6	1.458	2.385	10.6	20.6
11 27	1 51.95	+ 5 11.2	1.528	2.388	14.6	20.8
12 7	1 49.45	+ 5 24.5	1.617	2.391	17.8	21.1

275200 2009 WV_{152} 10 28.6 273°.92 0°.0/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.19	+13 14.9	2.400	3.265	10.4	20.8
10 8	2 29.84	+13 19.9	2.315	3.250	7.3	20.6
10 18	2 21.86	+13 19.5	2.255	3.235	3.9	20.4
10 28	2 12.92	+13 15.3	2.226	3.219	0.2	20.0
11 7	2 3.83	+13 9.8	2.226	3.203	3.5	20.3
11 17	1 55.44	+13 5.9	2.256	3.188	7.1	20.5
11 27	1 48.50	+13 6.5	2.313	3.172	10.3	20.7
12 7	1 43.54	+13 14.1	2.394	3.156	13.0	20.9

82592 2001 OM_{90} 10 28.6 91°.03 2°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.23	+20 11.4	1.557	2.419	15.1	20.0
10 8	2 32.98	+19 59.2	1.510	2.439	11.0	19.8
10 18	2 23.53	+19 31.2	1.486	2.459	6.4	19.6
10 28	2 13.02	+18 50.2	1.488	2.479	2.3	19.4
11 7	2 2.78	+18 1.8	1.518	2.498	4.4	19.6
11 17	1 54.01	+17 12.7	1.576	2.517	8.8	19.9
11 27	1 47.64	+16 30.1	1.659	2.535	12.7	20.2
12 7	1 44.09	+15 58.8	1.763	2.554	15.9	20.4

487081 2014 OK_{113} 10 28.6 9°.94 6°.7/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.13	− 3 21.7	1.776	2.665	12.2	20.9
10 8	2 27.81	− 4 23.2	1.729	2.667	9.2	20.7
10 18	2 20.78	− 5 17.3	1.707	2.668	7.1	20.6
10 28	2 12.86	− 5 57.1	1.712	2.670	7.0	20.6
11 7	2 5.05	− 6 17.4	1.742	2.673	9.0	20.7
11 17	1 58.27	− 6 15.7	1.797	2.676	11.9	20.9
11 27	1 53.28	− 5 51.8	1.875	2.679	14.7	21.1
12 7	1 50.53	− 5 8.0	1.972	2.683	17.0	21.3

295154 2008 FF_{59} 10 28.6 319°.44 3°.0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.41	+20 45.4	1.261	2.137	17.0	20.7
10 8	2 31.82	+20 51.2	1.191	2.126	12.7	20.4
10 18	2 23.32	+20 38.3	1.142	2.116	7.7	20.1
10 28	2 13.03	+20 7.6	1.117	2.106	3.3	19.8
11 7	2 2.52	+19 23.9	1.117	2.097	5.4	19.9
11 17	1 53.43	+18 35.2	1.142	2.089	10.6	20.2
11 27	1 47.09	+17 50.9	1.189	2.081	15.5	20.4
12 7	1 44.22	+17 18.6	1.256	2.073	19.6	20.7

73362 2002 KP_{5} 10 28.6 160°.18 1°.0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.30	+19 26.6	2.289	3.147	11.1	19.6
10 8	2 27.05	+18 43.0	2.218	3.148	8.0	19.4
10 18	2 20.33	+17 47.5	2.174	3.149	4.5	19.2
10 28	2 12.84	+16 43.2	2.157	3.149	1.2	18.9
11 7	2 5.39	+15 34.9	2.170	3.150	3.3	19.1
11 17	1 58.76	+14 28.2	2.213	3.151	6.8	19.3
11 27	1 53.64	+13 28.6	2.283	3.151	10.0	19.5
12 7	1 50.44	+12 40.1	2.376	3.152	12.7	19.7

422470 2014 SA_{319} 10 28.6 340°.31 0°.7/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.59	+14 49.7	2.117	2.983	11.5	20.5
10 8	2 30.23	+15 7.2	2.044	2.979	8.2	20.3
10 18	2 22.10	+15 18.1	1.997	2.975	4.5	20.1
10 28	2 12.95	+15 23.4	1.978	2.971	0.8	19.8
11 7	2 3.73	+15 25.4	1.988	2.967	3.6	20.0
11 17	1 55.35	+15 26.9	2.028	2.964	7.4	20.2
11 27	1 48.66	+15 31.4	2.094	2.961	10.8	20.4
12 7	1 44.17	+15 41.8	2.183	2.959	13.7	20.6

440414 2005 QY_{62} 10 28.6 15°.28 6°.3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.41	+28 54.0	1.661	2.492	15.9	20.9
10 8	2 32.08	+29 42.3	1.597	2.495	12.6	20.7
10 18	2 23.28	+30 10.3	1.554	2.499	9.3	20.6
10 28	2 13.03	+30 15.5	1.536	2.503	6.7	20.4
11 7	2 2.67	+29 59.4	1.545	2.508	6.8	20.4
11 17	1 53.58	+29 27.1	1.579	2.514	9.3	20.6
11 27	1 46.86	+28 46.5	1.638	2.520	12.5	20.8
12 7	1 43.15	+28 5.9	1.719	2.527	15.6	21.0

250720 2005 SG_{25} 10 28.6 95°.47 4°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.01	+ 4 3.8	2.021	2.908	11.0	20.3
10 8	2 27.49	+ 2 37.7	1.978	2.922	7.8	20.2
10 18	2 20.52	+ 1 11.9	1.961	2.936	5.0	20.0
10 28	2 12.85	− 0 6.9	1.974	2.950	4.4	20.0
11 7	2 5.35	− 1 12.4	2.014	2.963	6.7	20.2
11 17	1 58.81	− 2 0.1	2.083	2.976	9.8	20.4
11 27	1 53.88	− 2 27.8	2.175	2.989	12.6	20.6
12 7	1 50.93	− 2 35.8	2.288	3.002	14.9	20.8

104562 2000 GY_{71} 10 28.6 291°.06 1°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.75	+11 8.0	1.472	2.357	14.5	19.6
10 8	2 32.33	+10 58.9	1.402	2.347	10.2	19.3
10 18	2 23.43	+10 43.2	1.355	2.337	5.4	19.0
10 28	2 13.04	+10 24.5	1.334	2.327	1.2	18.7
11 7	2 2.50	+10 7.7	1.340	2.316	5.5	19.0
11 17	1 53.17	+ 9 57.8	1.372	2.306	10.5	19.3
11 27	1 46.19	+ 9 59.4	1.428	2.296	14.9	19.5
12 7	1 42.21	+10 14.7	1.504	2.287	18.6	19.7

349230 2007 TU_{31} 10 28.6 16°.05 10°.2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.47	− 8 47.7	1.267	2.159	15.8	19.3
10 8	2 30.56	− 9 37.0	1.233	2.164	12.7	19.2
10 18	2 22.33	−10 8.8	1.220	2.171	10.5	19.1
10 28	2 12.97	−10 14.6	1.230	2.178	10.4	19.1
11 7	2 3.89	− 9 50.1	1.264	2.187	12.4	19.2
11 17	1 56.35	− 8 55.6	1.319	2.196	15.4	19.5
11 27	1 51.28	− 7 34.9	1.395	2.207	18.4	19.7
12 7	1 49.11	− 5 54.1	1.488	2.218	21.0	19.9

337982 2002 CE_{182} 10 28.6 139°.02 2°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.95	+ 8 59.5	1.963	2.841	11.7	21.0
10 8	2 30.34	+ 8 16.6	1.909	2.852	8.1	20.8
10 18	2 22.07	+ 7 29.8	1.881	2.861	4.4	20.6
10 28	2 12.96	+ 6 43.7	1.881	2.871	2.2	20.5
11 7	2 3.99	+ 6 3.5	1.911	2.880	5.1	20.7
11 17	1 56.05	+ 5 33.5	1.969	2.888	8.8	21.0
11 27	1 49.90	+ 5 17.0	2.053	2.896	12.1	21.2
12 7	1 45.98	+ 5 15.2	2.157	2.903	14.8	21.4

21042 1990 QT_{7} 10 28.6 332°.00 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.15	+15 31.9	2.033	2.907	11.6	18.0
10 8	2 27.15	+15 6.8	1.960	2.899	8.2	17.7
10 18	2 20.48	+14 32.4	1.911	2.891	4.4	17.5
10 28	2 12.87	+13 51.6	1.890	2.884	0.4	17.2
11 7	2 5.21	+13 9.1	1.898	2.877	3.8	17.4
11 17	1 58.39	+12 29.7	1.933	2.870	7.7	17.7
11 27	1 53.19	+11 58.2	1.994	2.863	11.2	17.9
12 7	1 50.11	+11 37.9	2.078	2.857	14.2	18.1

393784 2005 JR_{132} 10 28.6 104°.86 4°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.29	+ 1 40.9	2.003	2.886	11.3	21.5
10 8	2 29.79	+ 0 57.8	1.960	2.901	8.1	21.3
10 18	2 21.74	+ 0 17.6	1.943	2.915	5.2	21.2
10 28	2 12.94	− 0 14.7	1.953	2.929	4.5	21.2
11 7	2 4.33	− 0 34.6	1.993	2.943	6.7	21.3
11 17	1 56.76	− 0 39.5	2.059	2.956	9.7	21.6
11 27	1 50.90	− 0 28.4	2.150	2.970	12.5	21.8
12 7	1 47.17	− 0 2.1	2.262	2.982	14.9	22.0

482623 2013 AK_{53} 10 28.6 253°.68 5°.1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.95	+ 0 11.0	2.084	2.967	10.9	21.6
10 8	2 29.05	− 0 47.8	2.012	2.951	8.1	21.4
10 18	2 21.48	− 1 44.5	1.967	2.935	5.6	21.3
10 28	2 12.94	− 2 33.0	1.949	2.918	5.3	21.2
11 7	2 4.33	− 3 7.8	1.960	2.902	7.5	21.3
11 17	1 56.53	− 3 25.2	1.998	2.884	10.5	21.5
11 27	1 50.32	− 3 23.3	2.060	2.867	13.4	21.6
12 7	1 46.22	− 3 2.5	2.142	2.849	16.0	21.8

426565 2013 RJ_{97} 10 28.6 21°.30 5°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.96	+26 28.4	1.196	2.057	18.8	20.6
10 8	2 32.24	+26 42.2	1.140	2.060	14.5	20.4
10 18	2 23.50	+26 29.9	1.102	2.064	9.9	20.1
10 28	2 13.06	+25 51.2	1.088	2.068	6.1	19.9
11 7	2 2.65	+24 51.2	1.097	2.073	6.6	20.0
11 17	1 53.94	+23 39.7	1.131	2.078	10.6	20.2
11 27	1 48.22	+22 28.7	1.188	2.084	15.1	20.5
12 7	1 46.06	+21 28.0	1.264	2.091	19.0	20.8

378642 2008 FR_{136} 10 28.6 216°.55 0°.5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.57	+15 51.6	1.718	2.586	13.6	21.6
10 8	2 32.65	+15 38.5	1.645	2.581	9.7	21.4
10 18	2 23.51	+15 14.6	1.596	2.574	5.3	21.1
10 28	2 13.07	+14 42.3	1.574	2.567	0.7	20.8
11 7	2 2.54	+14 6.3	1.581	2.560	4.4	21.0
11 17	1 53.13	+13 32.2	1.616	2.552	9.0	21.3
11 27	1 45.85	+13 5.8	1.676	2.544	13.1	21.5
12 7	1 41.29	+12 51.1	1.758	2.535	16.5	21.7

422205 2014 RH_{48} 10 28.6 9°.24 1°.3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 31.30	+12 5.5	2.159	3.039	10.7	20.8
10 8	2 26.38	+11 8.0	2.095	3.039	7.5	20.6
10 18	2 20.00	+10 3.5	2.058	3.040	3.9	20.3
10 28	2 12.85	+ 8 56.9	2.049	3.040	1.4	20.2
11 7	2 5.75	+ 7 53.6	2.069	3.041	4.4	20.4
11 17	1 59.47	+ 6 58.9	2.117	3.042	7.9	20.6
11 27	1 54.69	+ 6 17.0	2.192	3.043	11.1	20.8
12 7	1 51.83	+ 5 50.2	2.288	3.044	13.7	21.0

515454 2013 WG_{106} 10 28.6 8°.72 8°.7/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.68	− 2 39.4	0.794	1.717	19.2	19.0
10 8	2 30.17	− 2 51.0	0.761	1.718	14.4	18.8
10 18	2 22.42	− 2 47.4	0.747	1.723	10.1	18.6
10 28	2 13.00	− 2 19.9	0.752	1.730	8.8	18.6
11 7	2 3.87	− 1 24.7	0.777	1.739	11.7	18.8
11 17	1 56.80	− 0 3.3	0.822	1.751	16.3	19.1
11 27	1 53.01	+ 1 39.7	0.885	1.765	20.6	19.4
12 7	1 52.94	+ 3 37.6	0.964	1.781	24.3	19.7

101224 1998 ST_{64} 10 28.6 359°.11 3°.1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.39	+ 8 39.9	1.070	1.980	16.6	18.2
10 8	2 29.65	+ 8 8.7	1.020	1.976	11.7	17.9
10 18	2 22.11	+ 7 32.0	0.989	1.974	6.3	17.6
10 28	2 12.99	+ 6 56.9	0.982	1.973	3.1	17.4
11 7	2 3.92	+ 6 31.2	0.998	1.973	7.3	17.7
11 17	1 56.42	+ 6 21.1	1.038	1.974	12.7	18.0
11 27	1 51.69	+ 6 30.6	1.097	1.977	17.4	18.3
12 7	1 50.30	+ 6 59.9	1.174	1.981	21.4	18.6

296304 2009 DH_{126} 10 28.7 93°.31 3°.2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.32	+23 15.9	2.046	2.885	12.9	20.7
10 8	2 32.09	+23 30.5	1.991	2.904	9.7	20.5
10 18	2 23.04	+23 30.8	1.960	2.922	6.2	20.4
10 28	2 13.05	+23 17.3	1.958	2.941	3.4	20.2
11 7	2 3.20	+22 52.9	1.984	2.959	4.2	20.3
11 17	1 54.46	+22 22.2	2.039	2.977	7.3	20.5
11 27	1 47.65	+21 50.7	2.121	2.994	10.5	20.8
12 7	1 43.23	+21 23.7	2.227	3.012	13.2	21.0

183433 2003 AT_{62} 10 28.7 40°.50 1°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.87	+11 3.1	1.137	2.037	16.7	18.7
10 8	2 31.72	+10 38.0	1.102	2.053	11.6	18.5
10 18	2 23.00	+10 5.4	1.087	2.071	6.0	18.2
10 28	2 13.05	+ 9 31.3	1.097	2.089	1.7	18.0
11 7	2 3.45	+ 9 2.7	1.131	2.108	6.2	18.4
11 17	1 55.61	+ 8 45.4	1.190	2.128	11.3	18.7
11 27	1 50.53	+ 8 43.7	1.271	2.148	15.7	19.0
12 7	1 48.61	+ 8 58.6	1.370	2.168	19.3	19.3

123974 2001 FW_{28} 10 28.7 117°.65 1°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.02	+10 54.8	2.537	3.409	9.7	19.9
10 8	2 28.05	+10 31.7	2.481	3.421	6.7	19.7
10 18	2 20.81	+10 4.5	2.452	3.433	3.5	19.6
10 28	2 12.92	+ 9 36.2	2.452	3.444	1.0	19.4
11 7	2 5.12	+ 9 10.0	2.482	3.455	3.7	19.6
11 17	1 58.10	+ 8 49.2	2.542	3.466	6.8	19.8
11 27	1 52.45	+ 8 36.5	2.629	3.477	9.6	20.0
12 7	1 48.54	+ 8 33.4	2.739	3.488	11.9	20.2

151910 2004 EY_{39} 10 28.7 177°.24 0°.4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.90	+14 31.0	1.856	2.727	12.7	21.0
10 8	2 31.22	+13 51.3	1.791	2.729	8.9	20.7
10 18	2 22.65	+13 1.6	1.750	2.730	4.7	20.5
10 28	2 13.04	+12 6.1	1.738	2.731	0.5	20.2
11 7	2 3.49	+11 10.7	1.755	2.732	4.4	20.5
11 17	1 55.02	+10 21.1	1.801	2.731	8.6	20.7
11 27	1 48.48	+ 9 42.7	1.872	2.731	12.3	21.0
12 7	1 44.38	+ 9 18.7	1.965	2.729	15.4	21.2

258711 2002 GA_{73} 10 28.7 311°.64 0°.7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.43	+11 20.6	1.964	2.840	11.8	19.7
10 8	2 30.22	+11 20.8	1.891	2.832	8.3	19.4
10 18	2 22.16	+11 16.2	1.843	2.824	4.4	19.2
10 28	2 13.03	+11 9.1	1.824	2.817	0.7	18.9
11 7	2 3.80	+11 2.8	1.833	2.809	4.3	19.1
11 17	1 55.48	+11 0.7	1.870	2.802	8.3	19.4
11 27	1 48.92	+11 5.9	1.933	2.795	11.9	19.6
12 7	1 44.66	+11 20.6	2.018	2.788	14.9	19.8

220443 2003 WV_{145} 10 28.7 245°.57 2°.1/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.82	+ 6 46.9	2.542	3.418	9.4	20.8
10 8	2 28.03	+ 6 25.5	2.469	3.410	6.6	20.6
10 18	2 20.87	+ 6 2.8	2.423	3.402	3.7	20.4
10 28	2 12.95	+ 5 41.7	2.406	3.394	2.2	20.3
11 7	2 5.01	+ 5 25.6	2.419	3.385	4.4	20.5
11 17	1 57.74	+ 5 17.2	2.462	3.377	7.4	20.6
11 27	1 51.79	+ 5 18.7	2.531	3.368	10.3	20.8
12 7	1 47.59	+ 5 31.1	2.622	3.359	12.7	21.0

480498 2015 LR_{34} 10 28.7 49°.73 5°.2/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.26	+ 1 36.4	1.565	2.458	13.3	20.3
10 8	2 30.13	+ 0 50.6	1.523	2.468	9.6	20.1
10 18	2 22.05	+ 0 8.4	1.504	2.478	6.2	19.9
10 28	2 13.03	− 0 23.7	1.512	2.489	5.4	19.9
11 7	2 4.20	− 0 40.3	1.547	2.500	7.9	20.1
11 17	1 56.63	− 0 38.4	1.607	2.512	11.4	20.3
11 27	1 51.16	− 0 17.3	1.690	2.523	14.7	20.6
12 7	1 48.21	+ 0 21.5	1.792	2.535	17.5	20.8

163865 2003 SB_{107} 10 28.7 84°.46 5°.8/ 1.7 18

9 28	2 44.91	+28 45.5	1.805	2.621	15.4	20.3
10 8	2 36.29	+29 32.0	1.757	2.647	12.1	20.2
10 18	2 25.36	+29 58.0	1.731	2.673	8.7	20.0
10 28	2 13.24	+30 1.8	1.732	2.698	6.2	19.9
11 7	2 1.31	+29 45.5	1.762	2.724	6.2	20.0
11 17	1 50.84	+29 14.3	1.819	2.748	8.7	20.2
11 27	1 42.83	+28 36.1	1.902	2.773	11.6	20.4
12 7	1 37.78	+27 58.4	2.008	2.796	14.3	20.7

353637 2011 UL_{78} 10 28.7 9°.67 1°.7/29.8 18

9 28	2 36.64	+18 34.7	1.739	2.605	13.6	20.6
10 8	2 30.55	+18 35.0	1.673	2.606	9.9	20.3
10 18	2 22.39	+18 22.8	1.631	2.606	5.7	20.1
10 28	2 13.07	+18 0.1	1.616	2.607	1.9	19.9
11 7	2 3.73	+17 30.5	1.628	2.608	4.1	20.0
11 17	1 55.49	+16 59.5	1.668	2.609	8.3	20.3
11 27	1 49.30	+16 32.7	1.734	2.611	12.2	20.5
12 7	1 45.69	+16 14.8	1.821	2.612	15.4	20.7

441943 2010 KF_{62} 10 28.7 98°.62 3°.4/25.9 18

9 28	2 37.25	+ 4 35.5	2.065	2.945	11.2	21.4
10 8	2 30.38	+ 3 52.9	2.028	2.969	7.8	21.3
10 18	2 22.04	+ 3 10.9	2.017	2.993	4.6	21.1
10 28	2 13.05	+ 2 34.3	2.035	3.017	3.5	21.1
11 7	2 4.31	+ 2 7.3	2.082	3.040	5.8	21.3
11 17	1 56.64	+ 1 52.9	2.157	3.062	8.9	21.5
11 27	1 50.68	+ 1 52.8	2.257	3.084	11.7	21.7
12 7	1 46.81	+ 2 6.8	2.379	3.106	14.1	21.9

439838 1997 GZ_{30} 10 28.7 149°.22 4°.1/25.4 18

9 28	2 38.17	+ 0 52.6	2.233	3.108	10.6	22.0
10 8	2 31.05	+ 0 22.0	2.181	3.118	7.7	21.8
10 18	2 22.44	− 0 5.3	2.156	3.126	5.0	21.7
10 28	2 13.08	− 0 25.2	2.160	3.135	4.3	21.6
11 7	2 3.85	− 0 34.1	2.193	3.142	6.3	21.8
11 17	1 55.56	− 0 29.7	2.255	3.149	9.1	22.0
11 27	1 48.89	− 0 11.3	2.343	3.156	11.8	22.2
12 7	1 44.25	+ 0 20.6	2.452	3.161	14.1	22.3

173239 1999 FJ_{61} 10 28.7 197°.44 2°.4/30.9 18

9 28	2 36.45	+22 28.9	2.402	3.240	11.3	21.0
10 8	2 30.04	+22 26.1	2.323	3.238	8.4	20.8
10 18	2 22.01	+22 10.8	2.270	3.235	5.3	20.6
10 28	2 13.07	+21 44.0	2.246	3.231	2.7	20.4
11 7	2 4.08	+21 8.6	2.251	3.227	3.6	20.4
11 17	1 55.89	+20 28.7	2.286	3.223	6.6	20.6
11 27	1 49.27	+19 49.4	2.348	3.218	9.7	20.8
12 7	1 44.70	+19 15.3	2.435	3.213	12.4	21.0

366065 2012 CP_{35} 10 28.7 77°.60 1°.5/30.0 18

9 28	2 34.61	+19 30.5	2.100	2.958	11.9	21.2
10 8	2 28.81	+19 16.4	2.036	2.963	8.7	21.0
10 18	2 21.36	+18 50.6	1.996	2.969	5.0	20.8
10 28	2 13.02	+18 15.2	1.984	2.975	1.7	20.6
11 7	2 4.74	+17 34.2	2.002	2.981	3.5	20.7
11 17	1 57.38	+16 52.4	2.048	2.987	7.1	21.0
11 27	1 51.71	+16 15.0	2.120	2.993	10.5	21.2
12 7	1 48.19	+15 46.0	2.216	2.999	13.3	21.4

214073 2004 GX_{45} 10 28.7 25°.57 1°.3/27.6 18

9 28	2 33.34	+12 30.9	1.770	2.654	12.5	20.7
10 8	2 28.08	+11 38.6	1.711	2.656	8.7	20.5
10 18	2 21.01	+10 38.1	1.676	2.658	4.5	20.2
10 28	2 13.00	+ 9 34.5	1.669	2.661	1.3	20.0
11 7	2 5.06	+ 8 34.3	1.690	2.664	4.9	20.3
11 17	1 58.16	+ 7 43.7	1.738	2.667	9.0	20.5
11 27	1 53.09	+ 7 7.3	1.811	2.671	12.6	20.8
12 7	1 50.34	+ 6 47.7	1.905	2.674	15.7	21.0

512407 2016 PR_{71} 10 28.7 322°.05 0°.3/28.5 18

9 28	2 40.15	+12 39.8	1.366	2.251	15.4	20.7
10 8	2 33.45	+12 44.5	1.303	2.247	10.9	20.4
10 18	2 24.11	+12 41.2	1.262	2.243	5.8	20.1
10 28	2 13.21	+12 32.7	1.246	2.240	0.4	19.7
11 7	2 2.22	+12 23.4	1.257	2.236	5.3	20.1
11 17	1 52.61	+12 18.1	1.294	2.233	10.5	20.4
11 27	1 45.56	+12 21.6	1.355	2.230	15.1	20.6
12 7	1 41.72	+12 37.2	1.435	2.227	18.9	20.9

82896 Vaubaillon 10 28.7 49°.18 0°.2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.69	+14 46.5	1.857	2.732	12.4	20.0
10 8	2 29.00	+14 13.8	1.793	2.734	8.8	19.7
10 18	2 21.51	+13 31.4	1.754	2.735	4.6	19.5
10 28	2 13.04	+12 43.3	1.742	2.736	0.3	19.2
11 7	2 4.60	+11 54.8	1.759	2.737	4.2	19.5
11 17	1 57.18	+11 11.4	1.804	2.738	8.3	19.7
11 27	1 51.58	+10 38.1	1.874	2.740	12.0	20.0
12 7	1 48.29	+10 18.1	1.966	2.741	15.0	20.2

485855 2012 ER_{11} 10 28.7 191°.12 0°.1/28.6 18

9 28	2 33.75	+14 27.2	2.420	3.287	10.2	22.1
10 8	2 28.04	+14 4.4	2.350	3.286	7.2	21.9
10 18	2 20.91	+13 34.6	2.306	3.285	3.8	21.7
10 28	2 13.00	+13 0.3	2.290	3.284	0.2	21.3
11 7	2 5.10	+12 25.2	2.305	3.283	3.4	21.6
11 17	1 57.95	+11 53.2	2.349	3.281	6.8	21.8
11 27	1 52.22	+11 28.1	2.420	3.279	9.9	22.0
12 7	1 48.35	+11 12.4	2.515	3.278	12.5	22.2

218892 2007 DZ_{24} 10 28.7 73°.24 1°.5/27.3 18

9 28	2 33.81	+10 57.7	2.058	2.938	11.2	20.2
10 8	2 28.10	+10 14.3	2.011	2.955	7.7	20.0
10 18	2 20.90	+ 9 25.9	1.990	2.972	4.0	19.8
10 28	2 13.00	+ 8 36.9	1.997	2.989	1.5	19.7
11 7	2 5.26	+ 7 52.1	2.034	3.006	4.4	19.9
11 17	1 58.49	+ 7 16.1	2.098	3.023	8.0	20.2
11 27	1 53.35	+ 6 52.1	2.188	3.040	11.1	20.4
12 7	1 50.22	+ 6 41.7	2.301	3.057	13.7	20.6

358707 2008 AU_{92} 10 28.7 329°.76 1°.5/29.7 18

9 28	2 35.81	+17 49.6	1.642	2.514	13.9	20.9
10 8	2 30.15	+17 48.9	1.570	2.506	10.1	20.6
10 18	2 22.28	+17 36.0	1.521	2.498	5.8	20.4
10 28	2 13.11	+17 12.6	1.499	2.491	1.7	20.1
11 7	2 3.82	+16 42.8	1.504	2.484	4.3	20.2
11 17	1 55.62	+16 12.1	1.536	2.478	8.8	20.5
11 27	1 49.51	+15 46.6	1.592	2.472	12.9	20.7
12 7	1 46.12	+15 31.0	1.670	2.466	16.4	21.0

336067 2008 FZ_{15} 10 28.7 201°.09 3°.1/26.4 18

9 28	2 38.18	+ 7 4.0	1.824	2.705	12.3	21.8
10 8	2 31.47	+ 6 14.9	1.759	2.702	8.7	21.6
10 18	2 22.84	+ 5 22.5	1.719	2.698	4.9	21.3
10 28	2 13.14	+ 4 32.3	1.707	2.693	3.2	21.2
11 7	2 3.45	+ 3 50.2	1.724	2.688	6.1	21.4
11 17	1 54.81	+ 3 21.2	1.768	2.682	10.0	21.6
11 27	1 48.08	+ 3 8.5	1.838	2.675	13.5	21.8
12 7	1 43.78	+ 3 13.1	1.927	2.668	16.5	22.0

265241 2004 ES_{15} 10 28.7 188°.84 0°.6/29.2 18

9 28	2 38.31	+17 15.0	1.811	2.676	13.2	21.3
10 8	2 31.65	+16 45.5	1.742	2.676	9.4	21.1
10 18	2 22.96	+16 3.6	1.697	2.675	5.2	20.8
10 28	2 13.16	+15 12.5	1.680	2.673	0.8	20.5
11 7	2 3.36	+14 17.7	1.692	2.671	4.1	20.7
11 17	1 54.66	+13 25.3	1.733	2.669	8.5	21.0
11 27	1 47.97	+12 41.5	1.799	2.665	12.4	21.2
12 7	1 43.81	+12 10.6	1.887	2.661	15.6	21.5

373432 1999 TZ_{68} 10 28.7 262°.01 0°.6/29.1 18

9 28	2 36.59	+17 49.8	1.515	2.390	14.7	20.9
10 8	2 30.83	+17 5.6	1.441	2.379	10.6	20.6
10 18	2 22.69	+16 4.9	1.389	2.368	5.8	20.3
10 28	2 13.14	+14 52.0	1.364	2.357	0.8	20.0
11 7	2 3.50	+13 34.3	1.366	2.346	4.8	20.2
11 17	1 55.04	+12 20.6	1.395	2.334	9.8	20.5
11 27	1 48.85	+11 19.1	1.448	2.323	14.3	20.7
12 7	1 45.56	+10 35.5	1.522	2.311	18.1	21.0

324363 2006 QF_{116} 10 28.7 67°.59 1°.2/29.5 15

9 28	2 39.94	+18 30.8	1.246	2.124	17.0	20.6
10 8	2 33.06	+18 0.5	1.208	2.147	12.1	20.4
10 18	2 23.70	+17 13.4	1.192	2.170	6.7	20.2
10 28	2 13.19	+16 14.5	1.200	2.193	1.5	19.9
11 7	2 3.10	+15 11.9	1.235	2.216	5.0	20.2
11 17	1 54.78	+14 14.1	1.296	2.239	10.0	20.6
11 27	1 49.20	+13 28.8	1.380	2.261	14.4	20.9
12 7	1 46.75	+13 0.2	1.484	2.284	18.0	21.2

408471 2013 HG_{79} 10 28.7 47°.79 0°.5/29.1 17

9 28	2 34.34	+16 20.3	1.870	2.742	12.5	21.4
10 8	2 28.70	+15 57.2	1.815	2.752	8.9	21.2
10 18	2 21.33	+15 23.9	1.784	2.763	4.8	21.0
10 28	2 13.06	+14 43.7	1.780	2.773	0.6	20.7
11 7	2 4.89	+14 1.4	1.805	2.784	3.9	21.0
11 17	1 57.77	+13 22.2	1.858	2.796	7.9	21.2
11 27	1 52.47	+12 51.1	1.936	2.807	11.4	21.5
12 7	1 49.44	+12 31.3	2.036	2.819	14.4	21.7

142580 2002 TM_{89} 10 28.7 327.°99 2.°1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.50	+21 46.6	1.544	2.413	14.8	19.2
10 8	2 27.95	+21 8.1	1.467	2.400	11.0	18.9
10 18	2 21.16	+20 9.7	1.414	2.387	6.6	18.6
10 28	2 13.06	+18 54.5	1.385	2.376	2.4	18.4
11 7	2 4.86	+17 29.5	1.383	2.364	4.4	18.5
11 17	1 57.77	+16 3.7	1.408	2.354	9.1	18.7
11 27	1 52.83	+14 46.3	1.458	2.344	13.5	18.9
12 7	1 50.63	+13 44.4	1.528	2.335	17.2	19.2

504181 2006 TC 10 28.7 158.°41 8.°3/22.4 17

9 28	2 57.01	− 7 39.3	2.024	2.860	13.2	23.3
10 8	2 44.23	− 9 41.2	1.981	2.881	10.4	23.1
10 18	2 29.38	−11 32.3	1.968	2.899	8.5	23.1
10 28	2 13.59	−13 2.3	1.989	2.914	8.6	23.1
11 7	1 58.18	−14 4.3	2.043	2.925	10.6	23.3
11 17	1 44.35	−14 35.8	2.127	2.933	13.1	23.4
11 27	1 32.98	−14 38.5	2.236	2.939	15.5	23.6
12 7	1 24.52	−14 17.0	2.364	2.941	17.4	23.8

282875 2007 EH_{90} 10 28.7 284.°21 3.°5/26.3 18

9 28	2 36.29	+ 7 33.6	1.517	2.409	13.7	20.7
10 8	2 30.63	+ 6 38.6	1.441	2.389	9.7	20.4
10 18	2 22.62	+ 5 37.9	1.388	2.369	5.5	20.1
10 28	2 13.17	+ 4 38.1	1.362	2.349	3.6	20.0
11 7	2 3.51	+ 3 47.1	1.363	2.329	7.1	20.1
11 17	1 54.92	+ 3 11.6	1.389	2.309	11.6	20.3
11 27	1 48.49	+ 2 56.1	1.439	2.289	15.8	20.6
12 7	1 44.88	+ 3 2.2	1.507	2.269	19.4	20.8

242112 2002 VO_{89} 10 28.7 278.°24 5.°2/30.7 18

9 28	2 47.86	+23 9.8	1.658	2.496	15.6	20.1
10 8	2 39.33	+24 27.3	1.562	2.472	12.1	19.9
10 18	2 27.58	+25 33.1	1.490	2.448	8.3	19.6
10 28	2 13.51	+26 22.6	1.445	2.423	5.4	19.4
11 7	1 58.61	+26 53.3	1.430	2.398	6.5	19.4
11 17	1 44.61	+27 6.8	1.442	2.373	10.3	19.5
11 27	1 33.11	+27 9.4	1.480	2.348	14.5	19.7
12 7	1 25.14	+27 8.9	1.540	2.322	18.2	19.9

332505 2008 GX_{11} 10 28.7 138.°52 0.°0/28.7 17

9 28	2 37.33	+16 29.3	1.638	2.512	13.9	21.4
10 8	2 31.00	+15 41.8	1.580	2.518	9.9	21.1
10 18	2 22.62	+14 41.4	1.545	2.525	5.3	20.9
10 28	2 13.16	+13 32.9	1.537	2.531	0.4	20.5
11 7	2 3.83	+12 23.2	1.558	2.536	4.5	20.9
11 17	1 55.73	+11 19.7	1.606	2.542	9.1	21.2
11 27	1 49.77	+10 28.9	1.680	2.547	13.1	21.4
12 7	1 46.43	+ 9 54.6	1.774	2.551	16.3	21.7

385729 2005 UQ_{371} 10 28.7 332.°46 1.°8/27.8 18

9 28	2 38.91	+ 9 12.5	1.332	2.225	15.2	20.1
10 8	2 32.65	+ 9 12.9	1.268	2.217	10.8	19.8
10 18	2 23.74	+ 9 9.2	1.226	2.209	5.7	19.5
10 28	2 13.25	+ 9 5.3	1.210	2.202	1.8	19.3
11 7	2 2.65	+ 9 5.7	1.219	2.195	6.0	19.5
11 17	1 53.38	+ 9 14.5	1.254	2.190	11.1	19.8
11 27	1 46.64	+ 9 35.2	1.312	2.184	15.7	20.0
12 7	1 43.09	+10 9.3	1.389	2.180	19.5	20.3

81561 2000 HJ_{30} 10 28.7 182.°06 5.°6/23.6 18

9 28	2 34.47	− 1 53.5	2.107	2.989	10.9	19.6
10 8	2 28.62	− 2 59.0	2.054	2.990	8.1	19.4
10 18	2 21.25	− 3 59.7	2.028	2.990	6.0	19.3
10 28	2 13.08	− 4 49.6	2.029	2.990	5.9	19.3
11 7	2 4.99	− 5 23.5	2.058	2.989	7.8	19.4
11 17	1 57.78	− 5 38.5	2.114	2.989	10.5	19.6
11 27	1 52.15	− 5 33.5	2.193	2.988	13.1	19.7
12 7	1 48.52	− 5 9.9	2.292	2.986	15.4	19.9

255484 2005 YY_{231} 10 28.7 288.°27 0.°8/29.4 18

9 28	2 33.68	+17 31.3	2.073	2.939	11.7	20.9
10 8	2 28.29	+17 6.8	1.996	2.930	8.4	20.7
10 18	2 21.17	+16 31.2	1.944	2.921	4.7	20.5
10 28	2 13.08	+15 47.3	1.919	2.912	1.0	20.2
11 7	2 4.93	+14 59.5	1.924	2.903	3.6	20.4
11 17	1 57.62	+14 12.9	1.957	2.895	7.5	20.6
11 27	1 51.96	+13 32.9	2.016	2.886	11.1	20.8
12 7	1 48.45	+13 3.4	2.098	2.878	14.1	21.0

219948 2002 GX_{164} 10 28.7 267.°86 1.°9/26.8 18

9 28	2 32.21	+10 18.3	2.166	3.047	10.7	20.2
10 8	2 27.10	+ 9 20.9	2.097	3.041	7.4	20.0
10 18	2 20.48	+ 8 17.7	2.054	3.035	3.9	19.7
10 28	2 13.04	+ 7 13.5	2.039	3.029	1.9	19.6
11 7	2 5.59	+ 6 13.9	2.054	3.023	4.8	19.8
11 17	1 58.94	+ 5 23.8	2.097	3.017	8.2	20.0
11 27	1 53.79	+ 4 47.3	2.166	3.011	11.4	20.2
12 7	1 50.59	+ 4 26.5	2.256	3.005	14.1	20.4

515895 2015 PD_{46} 10 28.7 67.°54 2.°9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.43	+ 6 56.4	1.723	2.610	12.6	21.2
10 8	2 30.19	+ 6 22.7	1.676	2.622	8.8	21.0
10 18	2 22.12	+ 5 47.1	1.654	2.634	4.9	20.8
10 28	2 13.15	+ 5 14.8	1.658	2.646	3.0	20.7
11 7	2 4.35	+ 4 50.5	1.691	2.658	5.8	20.9
11 17	1 56.71	+ 4 38.3	1.751	2.671	9.6	21.2
11 27	1 51.02	+ 4 40.5	1.835	2.683	13.1	21.4
12 7	1 47.73	+ 4 57.6	1.940	2.696	15.9	21.7

335754 2007 EQ_{73} 10 28.7 101.°78 1.°6/29.8 18

9 28	2 39.42	+18 39.1	1.618	2.484	14.5	20.9
10 8	2 32.55	+18 34.1	1.562	2.494	10.5	20.7
10 18	2 23.48	+18 15.4	1.529	2.504	6.0	20.5
10 28	2 13.25	+17 45.5	1.523	2.514	1.9	20.2
11 7	2 3.13	+17 8.9	1.544	2.524	4.3	20.4
11 17	1 54.32	+16 31.7	1.593	2.534	8.7	20.7
11 27	1 47.78	+16 0.0	1.667	2.543	12.7	21.0
12 7	1 44.00	+15 38.7	1.763	2.552	16.0	21.2

69883 1998 SK_{98} 10 28.7 354.°26 2.°9/25.8 18

9 28	2 31.49	+ 7 38.8	2.063	2.951	10.8	19.2
10 8	2 26.61	+ 6 29.1	2.003	2.950	7.5	19.0
10 18	2 20.22	+ 5 15.7	1.969	2.949	4.3	18.8
10 28	2 13.04	+ 4 4.5	1.963	2.948	3.0	18.7
11 7	2 5.90	+ 3 1.5	1.986	2.948	5.6	18.9
11 17	1 59.61	+ 2 11.7	2.036	2.948	9.0	19.1
11 27	1 54.85	+ 1 38.7	2.112	2.948	12.1	19.3
12 7	1 52.06	+ 1 23.5	2.208	2.948	14.7	19.5

200035 2007 RZ_{71} 10 28.7 323.°46 2.°6/24.4 18

9 28	2 26.06	+ 1 12.0	4.117	4.996	6.1	19.9
10 8	2 22.27	+ 0 31.3	4.055	4.993	4.4	19.8
10 18	2 17.78	− 0 8.1	4.021	4.990	3.0	19.7
10 28	2 12.90	− 0 43.6	4.016	4.987	2.7	19.7
11 7	2 8.04	− 1 12.8	4.042	4.984	3.9	19.8
11 17	2 3.55	− 1 34.0	4.096	4.981	5.6	19.9
11 27	1 59.78	− 1 45.8	4.177	4.978	7.3	20.0
12 7	1 56.99	− 1 47.8	4.281	4.975	8.7	20.1

487393 2014 QO_{315} 10 28.7 58.°44 7.°6/21.9 18

9 28	2 33.06	− 6 52.8	1.940	2.822	11.7	21.3
10 8	2 27.65	− 8 12.6	1.907	2.834	9.2	21.2
10 18	2 20.73	− 9 22.0	1.899	2.845	7.7	21.1
10 28	2 13.09	−10 14.0	1.918	2.857	7.9	21.2
11 7	2 5.63	−10 43.7	1.963	2.870	9.7	21.3
11 17	1 59.16	−10 49.4	2.032	2.882	12.0	21.5
11 27	1 54.35	−10 31.4	2.123	2.894	14.3	21.7
12 7	1 51.58	− 9 52.8	2.232	2.907	16.2	21.8

128062 Szrogh 10 28.7 46.°95 7.°5/22.5 18

9 28	2 33.43	− 6 18.5	1.859	2.743	12.0	19.2
10 8	2 27.94	− 7 28.6	1.827	2.756	9.4	19.0
10 18	2 20.89	− 8 28.3	1.820	2.770	7.7	19.0
10 28	2 13.10	− 9 10.7	1.839	2.784	7.8	19.0
11 7	2 5.52	− 9 31.4	1.884	2.798	9.6	19.1
11 17	1 58.99	− 9 28.5	1.954	2.813	12.0	19.3
11 27	1 54.18	− 9 2.9	2.045	2.827	14.4	19.5
12 7	1 51.49	− 8 17.6	2.155	2.843	16.4	19.7

12064 Guiraudon 10 28.7 341.°58 0.°5/28.3 18

9 28	2 32.70	+18 57.7	1.530	2.407	14.5	16.6
10 8	2 27.92	+17 2.1	1.462	2.403	10.3	16.4
10 18	2 21.07	+14 45.4	1.419	2.400	5.4	16.1
10 28	2 13.12	+12 16.3	1.404	2.397	0.5	15.7
11 7	2 5.26	+ 9 47.4	1.417	2.394	5.1	16.1
11 17	1 58.60	+ 7 31.0	1.459	2.392	10.0	16.4
11 27	1 54.03	+ 5 37.3	1.526	2.390	14.3	16.6
12 7	1 52.05	+ 4 11.4	1.613	2.389	17.8	16.9

351187 2004 CB_{37} 10 28.7 201.°27 5.°6/ 3.4 17

9 28	2 37.81	+33 41.1	2.470	3.253	12.7	21.7
10 8	2 31.16	+33 48.8	2.385	3.249	10.4	21.5
10 18	2 22.72	+33 37.3	2.323	3.244	7.9	21.3
10 28	2 13.24	+33 5.8	2.288	3.240	6.0	21.2
11 7	2 3.69	+32 16.0	2.281	3.234	5.7	21.2
11 17	1 55.03	+31 12.5	2.303	3.228	7.3	21.3
11 27	1 48.09	+30 1.9	2.353	3.222	9.7	21.4
12 7	1 43.40	+28 51.2	2.427	3.215	12.1	21.6

140135 2001 SH_{149} 10 28.7 29.°46 3.°1/31.2 18

9 28	2 36.18	+23 18.7	1.911	2.759	13.4	19.7
10 8	2 30.19	+23 17.9	1.842	2.759	10.1	19.5
10 18	2 22.25	+23 1.4	1.795	2.760	6.4	19.3
10 28	2 13.21	+22 30.4	1.776	2.761	3.4	19.1
11 7	2 4.15	+21 48.4	1.785	2.762	4.3	19.1
11 17	1 56.11	+21 0.8	1.821	2.762	7.7	19.4
11 27	1 50.00	+20 14.3	1.884	2.763	11.3	19.6
12 7	1 46.33	+19 34.7	1.969	2.764	14.3	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
407541 2010 WH_{27}			10 28.7	275°.62	1°.6/30.1	18
	h m	° ′			°	m
9 28	2 33.88	+20 7.5	2.138	2.994	11.8	21.3
10 8	2 28.40	+19 46.5	2.063	2.989	8.6	21.1
10 18	2 21.24	+19 12.9	2.012	2.984	5.1	20.9
10 28	2 13.14	+18 29.0	1.989	2.979	1.8	20.7
11 7	2 5.01	+17 38.8	1.995	2.975	3.5	20.8
11 17	1 57.74	+16 47.6	2.030	2.970	7.2	21.0
11 27	1 52.09	+16 0.8	2.091	2.965	10.6	21.2
12 7	1 48.57	+15 23.1	2.175	2.960	13.5	21.4
2365 Interkosmos			10 28.7	279°.34	3°.1/31.1	18
9 28	2 36.36	+23 21.9	1.715	2.568	14.4	15.3
10 8	2 30.61	+23 10.4	1.634	2.555	10.9	15.1
10 18	2 22.61	+22 40.8	1.576	2.543	6.9	14.8
10 28	2 13.24	+21 54.0	1.544	2.530	3.5	14.6
11 7	2 3.72	+20 54.6	1.539	2.517	4.6	14.6
11 17	1 55.25	+19 49.4	1.562	2.505	8.6	14.9
11 27	1 48.89	+18 46.7	1.610	2.492	12.7	15.1
12 7	1 45.26	+17 53.6	1.679	2.479	16.2	15.3
317063 2001 SO_{128}			10 28.7	39°.31	5°.7/ 1.9	18
9 28	2 37.62	+28 32.4	1.609	2.444	16.1	20.3
10 8	2 31.47	+28 55.3	1.554	2.456	12.6	20.2
10 18	2 23.00	+28 56.2	1.520	2.469	9.0	20.0
10 28	2 13.26	+28 34.5	1.511	2.482	6.1	19.8
11 7	2 3.61	+27 53.7	1.528	2.496	6.2	19.9
11 17	1 55.32	+27 0.3	1.571	2.510	8.9	20.1
11 27	1 49.41	+26 3.1	1.639	2.525	12.3	20.3
12 7	1 46.38	+25 10.1	1.729	2.540	15.3	20.6
72203 2000 YJ_{133}			10 28.7	295°.27	6°.7/22.7	18
9 28	2 32.96	+ 0 35.3	1.589	2.486	12.9	18.7
10 8	2 28.08	− 1 16.0	1.527	2.472	9.6	18.5
10 18	2 21.18	− 3 6.8	1.491	2.459	7.1	18.3
10 28	2 13.14	− 4 46.7	1.481	2.446	7.2	18.3
11 7	2 5.06	− 6 6.2	1.498	2.433	9.9	18.4
11 17	1 58.00	− 6 58.6	1.539	2.420	13.4	18.6
11 27	1 52.90	− 7 21.4	1.601	2.407	16.7	18.8
12 7	1 50.28	− 7 15.9	1.681	2.394	19.5	19.0
408613 2014 GT_{16}			10 28.7	119°.36	3°.0/26.3	17
9 28	2 37.41	+16 29.7	1.069	1.964	17.9	20.8
10 8	2 31.67	+13 34.2	1.018	1.970	12.4	20.6
10 18	2 23.16	+10 13.8	0.991	1.975	6.3	20.2
10 28	2 13.27	+ 6 46.3	0.991	1.981	3.2	20.1
11 7	2 3.69	+ 3 33.1	1.017	1.986	8.3	20.4
11 17	1 55.94	+ 0 52.6	1.069	1.991	14.0	20.7
11 27	1 51.07	− 1 5.3	1.143	1.996	18.9	21.1
12 7	1 49.51	− 2 19.7	1.234	2.001	22.7	21.3
317262 2002 EW_{36}			10 28.7	20°.48	0°.1/28.6	18
9 28	2 34.75	+14 7.4	1.964	2.839	11.9	20.9
10 8	2 29.02	+13 50.0	1.901	2.840	8.4	20.6
10 18	2 21.57	+13 24.7	1.861	2.842	4.4	20.4
10 28	2 13.17	+12 54.5	1.850	2.843	0.3	20.1
11 7	2 4.79	+12 23.7	1.867	2.845	4.0	20.4
11 17	1 57.36	+11 56.6	1.913	2.847	7.9	20.6
11 27	1 51.65	+11 37.5	1.984	2.850	11.4	20.9
12 7	1 48.17	+11 29.3	2.077	2.852	14.3	21.1
174772 2003 WP_{49}			10 28.7	27°.18	4°.1/31.3	18
9 28	2 38.99	+24 6.1	1.356	2.215	17.1	20.1
10 8	2 32.79	+24 8.0	1.293	2.216	12.9	19.8
10 18	2 23.84	+23 48.2	1.251	2.217	8.4	19.6
10 28	2 13.33	+23 7.3	1.233	2.218	4.5	19.4
11 7	2 2.80	+22 10.4	1.242	2.220	5.5	19.4
11 17	1 53.76	+21 6.2	1.276	2.221	9.9	19.7
11 27	1 47.42	+20 4.5	1.333	2.222	14.3	20.0
12 7	1 44.37	+19 13.8	1.411	2.224	18.1	20.2
184794 2005 TK_{64}			10 28.7	27°.23	0°.0/28.8	18
9 28	2 34.69	+14 59.7	1.873	2.747	12.4	20.6
10 8	2 29.04	+14 38.8	1.810	2.750	8.8	20.4
10 18	2 21.60	+14 8.8	1.773	2.753	4.7	20.1
10 28	2 13.18	+13 33.0	1.762	2.756	0.3	19.8
11 7	2 4.80	+12 55.8	1.780	2.759	4.0	20.1
11 17	1 57.42	+12 22.4	1.826	2.763	8.1	20.4
11 27	1 51.85	+11 57.4	1.898	2.767	11.7	20.6
12 7	1 48.57	+11 43.8	1.991	2.771	14.7	20.8
421676 2014 OF_{384}			10 28.7	79°.85	2°.0/30.3	18
9 28	2 36.67	+19 59.0	2.140	2.992	12.0	20.6
10 8	2 30.25	+20 3.6	2.081	3.004	8.7	20.4
10 18	2 22.17	+19 56.8	2.047	3.017	5.2	20.2
10 28	2 13.22	+19 40.1	2.041	3.030	2.2	20.0
11 7	2 4.34	+19 16.4	2.064	3.043	3.6	20.1
11 17	1 56.43	+18 49.9	2.116	3.055	7.0	20.4
11 27	1 50.24	+18 25.4	2.195	3.068	10.2	20.6
12 7	1 46.23	+18 6.7	2.298	3.080	12.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112341 2002 NY_{6}			10 28.7	30°.55	1°.6/27.4	18
	h m	° ′			°	m
9 28	2 34.53	+11 51.5	1.691	2.576	12.9	19.8
10 8	2 29.03	+10 59.1	1.632	2.577	9.0	19.5
10 18	2 21.63	+ 9 58.7	1.596	2.579	4.7	19.3
10 28	2 13.20	+ 8 55.7	1.588	2.580	1.6	19.1
11 7	2 4.83	+ 7 56.9	1.608	2.582	5.2	19.3
11 17	1 57.56	+ 7 8.6	1.655	2.584	9.4	19.6
11 27	1 52.22	+ 6 35.4	1.727	2.586	13.2	19.8
12 7	1 49.32	+ 6 19.8	1.819	2.588	16.3	20.0
485000 2009 VD_{36}			10 28.7	222°.08	1°.3/27.7	17
9 28	2 37.01	+ 8 43.4	2.420	3.290	10.1	21.1
10 8	2 30.37	+ 8 45.3	2.349	3.288	7.1	20.9
10 18	2 22.23	+ 8 45.1	2.305	3.285	3.8	20.6
10 28	2 13.25	+ 8 45.0	2.291	3.282	1.3	20.5
11 7	2 4.25	+ 8 47.4	2.307	3.280	4.0	20.7
11 17	1 56.00	+ 8 54.6	2.353	3.277	7.3	20.9
11 27	1 49.23	+ 9 8.7	2.426	3.274	10.3	21.1
12 7	1 44.37	+ 9 31.0	2.522	3.270	12.8	21.2
50568 2000 ES_{38}			10 28.7	197°.58	0°.7/28.1	18
9 28	2 34.74	+13 42.8	1.930	2.805	12.0	18.7
10 8	2 29.04	+13 1.4	1.864	2.805	8.4	18.5
10 18	2 21.60	+12 11.3	1.823	2.804	4.4	18.2
10 28	2 13.21	+11 16.7	1.810	2.803	0.7	18.0
11 7	2 4.84	+10 23.0	1.826	2.802	4.3	18.2
11 17	1 57.43	+ 9 35.9	1.870	2.801	8.3	18.5
11 27	1 51.77	+ 9 0.1	1.940	2.800	11.9	18.7
12 7	1 48.35	+ 8 38.5	2.031	2.798	14.9	18.9
340352 2006 DY_{84}			10 28.7	340°.51	1°.0/29.4	18
9 28	2 34.98	+17 40.0	1.403	2.284	15.3	20.6
10 8	2 29.82	+17 15.8	1.337	2.278	11.0	20.3
10 18	2 22.24	+16 36.3	1.293	2.273	6.1	20.0
10 28	2 13.25	+15 45.1	1.275	2.268	1.2	19.7
11 7	2 4.21	+14 48.8	1.282	2.263	4.8	19.9
11 17	1 56.43	+13 55.1	1.316	2.259	9.8	20.2
11 27	1 51.01	+13 11.8	1.373	2.256	14.3	20.5
12 7	1 48.53	+12 43.9	1.449	2.253	18.1	20.7
262521 2006 UD_{284}			10 28.7	244°.79	0°.2/28.6	18
9 28	2 39.89	+13 46.2	1.577	2.453	14.2	20.6
10 8	2 33.13	+13 36.2	1.504	2.445	10.1	20.4
10 18	2 23.97	+13 16.9	1.456	2.436	5.4	20.1
10 28	2 13.38	+12 51.2	1.434	2.427	0.4	19.7
11 7	2 2.65	+12 24.1	1.439	2.418	4.8	20.0
11 17	1 53.08	+12 0.8	1.472	2.408	9.7	20.3
11 27	1 45.78	+11 46.8	1.530	2.398	14.0	20.5
12 7	1 41.38	+11 45.5	1.608	2.388	17.7	20.7
63037 2000 WB_{70}			10 28.7	349°.49	5°.3/31.5	18
9 28	2 39.10	+24 10.8	1.163	2.031	18.7	18.4
10 8	2 33.33	+24 45.1	1.100	2.027	14.4	18.2
10 18	2 24.35	+24 57.2	1.058	2.024	9.6	17.9
10 28	2 13.41	+24 45.4	1.038	2.021	5.7	17.7
11 7	2 2.28	+24 12.9	1.042	2.019	6.6	17.7
11 17	1 52.79	+23 27.6	1.070	2.017	11.1	18.0
11 27	1 46.37	+22 40.3	1.120	2.016	15.8	18.2
12 7	1 43.73	+22 0.6	1.188	2.016	19.9	18.5
176887 2002 VL			10 28.7	154°.78	2°.6/30.1	18
9 28	2 47.09	+19 7.0	1.885	2.729	13.7	19.7
10 8	2 37.91	+19 49.1	1.818	2.737	10.1	19.5
10 18	2 26.39	+20 20.2	1.776	2.744	6.1	19.3
10 28	2 13.55	+20 39.2	1.763	2.751	2.7	19.1
11 7	2 0.64	+20 47.4	1.781	2.757	4.4	19.2
11 17	1 48.96	+20 48.2	1.828	2.762	8.3	19.5
11 27	1 39.53	+20 46.6	1.904	2.767	11.9	19.7
12 7	1 32.96	+20 47.6	2.002	2.771	15.0	20.0
205978 2002 NZ_{39}			10 28.7	69°.09	0°.9/27.9	18
9 28	2 34.11	+12 2.3	2.170	3.045	10.9	20.4
10 8	2 28.32	+11 32.8	2.122	3.063	7.6	20.2
10 18	2 21.10	+10 57.9	2.100	3.081	3.9	20.0
10 28	2 13.19	+10 21.2	2.106	3.099	0.9	19.8
11 7	2 5.43	+ 9 46.7	2.142	3.117	3.9	20.1
11 17	1 58.59	+ 9 18.4	2.207	3.135	7.4	20.3
11 27	1 53.32	+ 8 59.5	2.297	3.153	10.5	20.6
12 7	1 50.00	+ 8 52.0	2.410	3.171	13.0	20.8
343543 2010 FR_{12}			10 28.7	271°.68	1°.1/29.5	18
9 28	2 36.74	+17 55.7	1.726	2.594	13.6	21.3
10 8	2 30.81	+17 38.4	1.648	2.582	9.8	21.1
10 18	2 22.71	+17 7.9	1.593	2.570	5.6	20.8
10 28	2 13.31	+16 26.7	1.566	2.558	1.3	20.5
11 7	2 3.77	+15 39.7	1.566	2.546	4.2	20.7
11 17	1 55.25	+14 52.9	1.594	2.534	8.8	20.9
11 27	1 48.76	+14 13.1	1.647	2.522	12.9	21.1
12 7	1 44.91	+13 45.1	1.721	2.509	16.4	21.4

471067 2009 VN_{63} 10 28.7 338°.66 2°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.78	+10 5.0	1.203	2.104	15.9	20.7
10 8	2 30.65	+ 9 42.8	1.141	2.094	11.2	20.4
10 18	2 22.80	+ 9 13.7	1.100	2.084	6.0	20.1
10 28	2 13.32	+ 8 43.1	1.084	2.076	2.1	19.8
11 7	2 3.72	+ 8 17.9	1.092	2.068	6.5	20.1
11 17	1 55.50	+ 8 4.2	1.124	2.061	11.8	20.3
11 27	1 49.90	+ 8 7.0	1.177	2.055	16.6	20.6
12 7	1 47.56	+ 8 27.7	1.249	2.051	20.6	20.9

397993 2009 BS_{128} 10 28.7 153°.38 4°.4/ 1.5 18

9 28	2 39.60	+27 48.1	2.284	3.099	12.6	21.4
10 8	2 32.41	+28 7.0	2.213	3.106	9.8	21.2
10 18	2 23.40	+28 9.8	2.167	3.112	6.9	21.1
10 28	2 13.36	+27 55.9	2.147	3.118	4.7	20.9
11 7	2 3.30	+27 27.6	2.157	3.124	4.8	21.0
11 17	1 54.20	+26 48.9	2.196	3.129	7.2	21.1
11 27	1 46.90	+26 5.9	2.263	3.133	10.0	21.3
12 7	1 41.92	+25 24.5	2.353	3.138	12.6	21.5

207312 2005 GU_{81} 10 28.7 23°.05 0°.2/28.6 18

9 28	2 36.27	+14 16.8	1.672	2.551	13.4	20.5
10 8	2 30.34	+13 55.1	1.611	2.552	9.5	20.3
10 18	2 22.38	+13 24.0	1.573	2.553	5.0	20.0
10 28	2 13.29	+12 47.0	1.561	2.555	0.3	19.7
11 7	2 4.23	+12 9.4	1.578	2.557	4.5	20.0
11 17	1 56.30	+11 36.8	1.622	2.558	8.9	20.3
11 27	1 50.41	+11 14.0	1.691	2.560	12.9	20.5
12 7	1 47.07	+11 4.3	1.780	2.562	16.1	20.8

195579 2002 JB_{101} 10 28.7 87°.50 6°.3/21.5 18

9 28	2 32.97	− 5 16.8	2.408	3.285	9.9	20.0
10 8	2 27.32	− 6 58.5	2.386	3.311	7.7	19.9
10 18	2 20.50	− 8 31.9	2.392	3.338	6.4	19.9
10 28	2 13.16	− 9 50.6	2.426	3.364	6.6	20.0
11 7	2 6.03	−10 50.0	2.489	3.389	8.2	20.1
11 17	1 59.75	−11 27.8	2.578	3.415	10.2	20.3
11 27	1 54.86	−11 43.7	2.690	3.439	12.1	20.5
12 7	1 51.68	−11 39.7	2.821	3.464	13.7	20.6

124892 2001 TN_{48} 10 28.7 87°.04 0°.9/28.2 17

9 28	2 40.31	+13 42.1	1.244	2.132	16.4	19.9
10 8	2 33.47	+13 4.2	1.199	2.145	11.5	19.7
10 18	2 24.08	+12 15.0	1.177	2.159	6.0	19.4
10 28	2 13.40	+11 20.3	1.179	2.172	0.9	19.1
11 7	2 3.00	+10 28.1	1.208	2.186	5.7	19.5
11 17	1 54.29	+ 9 45.9	1.262	2.199	10.9	19.8
11 27	1 48.29	+ 9 19.7	1.339	2.212	15.4	20.1
12 7	1 45.47	+ 9 11.8	1.435	2.225	19.0	20.4

230488 2002 TL_{91} 10 28.7 339°.17 3°.0/30.8 18

9 28	2 35.14	+22 42.0	1.276	2.149	17.1	19.8
10 8	2 30.19	+22 18.3	1.210	2.143	12.8	19.5
10 18	2 22.55	+21 31.6	1.164	2.137	7.9	19.2
10 28	2 13.32	+20 24.6	1.143	2.132	3.4	19.0
11 7	2 4.02	+19 4.6	1.147	2.128	5.1	19.1
11 17	1 56.15	+17 41.8	1.175	2.124	10.2	19.3
11 27	1 50.91	+16 27.2	1.227	2.120	14.9	19.6
12 7	1 48.91	+15 28.8	1.299	2.118	19.0	19.9

248569 2006 AU_{74} 10 28.7 191°.41 4°.4/ 3.7 18

9 28	2 34.55	+33 59.0	3.272	4.042	10.1	21.0
10 8	2 28.52	+33 51.1	3.184	4.040	8.2	20.8
10 18	2 21.22	+33 27.8	3.121	4.038	6.3	20.7
10 28	2 13.23	+32 49.1	3.086	4.035	4.8	20.6
11 7	2 5.23	+31 56.9	3.080	4.031	4.5	20.6
11 17	1 57.91	+30 54.7	3.104	4.027	5.7	20.6
11 27	1 51.84	+29 47.3	3.156	4.023	7.6	20.8
12 7	1 47.45	+28 39.8	3.235	4.018	9.5	20.9

482348 2011 WH_{44} 10 28.7 223°.96 4°.0/ 1.6 18

9 28	2 35.44	+28 12.9	2.096	2.920	13.2	21.2
10 8	2 29.63	+27 52.3	2.016	2.915	10.3	21.0
10 18	2 21.97	+27 12.3	1.960	2.911	7.1	20.8
10 28	2 13.28	+26 13.8	1.930	2.906	4.5	20.6
11 7	2 4.57	+25 0.9	1.929	2.901	4.6	20.6
11 17	1 56.82	+23 39.8	1.956	2.896	7.4	20.8
11 27	1 50.89	+22 18.5	2.011	2.891	10.6	21.0
12 7	1 47.28	+21 3.9	2.090	2.886	13.6	21.2

348336 2005 ED_{38} 10 28.7 198°.03 2°.2/26.6 18

9 28	2 34.43	+ 9 48.7	2.139	3.018	10.9	20.8
10 8	2 28.68	+ 8 44.5	2.073	3.016	7.6	20.6
10 18	2 21.38	+ 7 34.5	2.032	3.013	4.1	20.4
10 28	2 13.25	+ 6 24.1	2.021	3.009	2.2	20.3
11 7	2 5.13	+ 5 19.2	2.039	3.006	5.0	20.5
11 17	1 57.87	+ 4 25.0	2.085	3.002	8.5	20.7
11 27	1 52.18	+ 3 45.6	2.158	2.997	11.7	20.9
12 7	1 48.51	+ 3 22.8	2.252	2.992	14.4	21.1

58362 1995 MJ_4 10 28.7 2°.66 3°.5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.68	+ 6 42.2	1.781	2.672	12.0	19.4
10 8	2 27.66	+ 5 33.6	1.724	2.672	8.4	19.2
10 18	2 20.90	+ 4 22.0	1.692	2.672	4.9	19.0
10 28	2 13.22	+ 3 13.8	1.688	2.672	3.7	18.9
11 7	2 5.59	+ 2 16.1	1.711	2.673	6.4	19.1
11 17	1 58.95	+ 1 34.0	1.761	2.674	10.1	19.3
11 27	1 54.08	+ 1 11.0	1.835	2.675	13.4	19.5
12 7	1 51.44	+ 1 7.6	1.929	2.676	16.2	19.7

265473 2005 BL_9 10 28.7 267°.95 4°.0/24.9 17

9 28	2 33.01	+ 1 35.4	2.387	3.269	9.8	20.7
10 8	2 27.60	+ 0 52.7	2.319	3.259	7.1	20.5
10 18	2 20.79	+ 0 11.7	2.278	3.250	4.7	20.4
10 28	2 13.22	− 0 23.1	2.266	3.240	4.1	20.3
11 7	2 5.62	− 0 47.5	2.282	3.230	6.1	20.4
11 17	1 58.73	− 0 58.8	2.326	3.221	8.8	20.6
11 27	1 53.20	− 0 55.0	2.395	3.211	11.5	20.7
12 7	1 49.47	− 0 36.4	2.485	3.201	13.8	20.9

395057 2009 FK_3 10 28.7 217°.91 4°.4/25.3 18

9 28	2 36.96	+ 1 29.5	2.017	2.899	11.3	21.2
10 8	2 30.54	+ 0 51.0	1.954	2.894	8.2	21.0
10 18	2 22.40	+ 0 14.8	1.917	2.889	5.3	20.9
10 28	2 13.33	− 0 13.9	1.907	2.883	4.6	20.8
11 7	2 4.26	− 0 30.6	1.926	2.877	6.8	20.9
11 17	1 56.10	− 0 32.3	1.973	2.871	10.0	21.1
11 27	1 49.65	− 0 17.5	2.044	2.865	13.0	21.3
12 7	1 45.38	+ 0 13.1	2.136	2.858	15.6	21.5

485337 2011 BT_{125} 10 28.7 45°.89 4°.5/ 1.8 17

9 28	2 35.31	+28 5.1	2.084	2.909	13.3	21.1
10 8	2 29.50	+28 11.8	2.018	2.916	10.4	20.9
10 18	2 21.89	+28 0.8	1.976	2.924	7.3	20.7
10 28	2 13.29	+27 32.4	1.960	2.932	4.9	20.6
11 7	2 4.72	+26 49.5	1.972	2.941	4.9	20.6
11 17	1 57.16	+25 57.3	2.011	2.949	7.4	20.8
11 27	1 51.41	+25 2.4	2.078	2.958	10.3	21.0
12 7	1 47.97	+24 11.1	2.167	2.967	13.0	21.2

454693 2014 RP_{34} 10 28.7 41°.63 3°.6/25.6 18

9 28	2 33.21	+ 4 14.1	2.044	2.931	10.9	21.1
10 8	2 27.82	+ 3 28.6	1.992	2.936	7.7	20.9
10 18	2 20.91	+ 2 43.5	1.965	2.942	4.7	20.7
10 28	2 13.23	+ 2 3.6	1.967	2.948	3.7	20.7
11 7	2 5.63	+ 1 33.8	1.997	2.954	6.0	20.8
11 17	1 58.93	+ 1 17.4	2.053	2.961	9.1	21.0
11 27	1 53.82	+ 1 16.3	2.135	2.967	12.1	21.2
12 7	1 50.70	+ 1 30.7	2.238	2.974	14.6	21.4

296418 2009 HE_4 10 28.7 101°.44 3°.4/26.0 18

9 28	2 35.38	+ 5 18.1	1.892	2.778	11.7	20.8
10 8	2 29.44	+ 4 33.5	1.838	2.783	8.3	20.6
10 18	2 21.81	+ 3 48.1	1.810	2.788	4.9	20.4
10 28	2 13.29	+ 3 7.2	1.809	2.792	3.5	20.4
11 7	2 4.87	+ 2 36.0	1.836	2.797	6.1	20.5
11 17	1 57.45	+ 2 18.3	1.891	2.802	9.6	20.7
11 27	1 51.79	+ 2 16.3	1.970	2.807	12.8	21.0
12 7	1 48.34	+ 2 30.3	2.070	2.811	15.5	21.2

99102 2001 FK_{50} 10 28.7 249°.85 4°.2/31.5 18

9 28	2 40.46	+24 39.2	1.947	2.782	13.7	18.9
10 8	2 33.43	+25 10.7	1.865	2.772	10.5	18.6
10 18	2 24.15	+25 27.1	1.806	2.762	7.1	18.4
10 28	2 13.47	+25 27.4	1.774	2.752	4.4	18.2
11 7	2 2.54	+25 13.0	1.770	2.742	5.0	18.3
11 17	1 52.56	+24 47.8	1.795	2.731	8.2	18.4
11 27	1 44.61	+24 18.2	1.846	2.721	11.7	18.6
12 7	1 39.33	+23 50.5	1.920	2.710	14.8	18.8

51828 Ilanramon 10 28.7 320°.41 0°.7/28.3 18 R

9 28	2 37.33	+11 35.2	1.667	2.549	13.3	17.8
10 8	2 31.25	+11 37.1	1.594	2.538	9.4	17.6
10 18	2 22.98	+11 33.3	1.545	2.527	5.0	17.3
10 28	2 13.38	+11 26.5	1.523	2.516	0.7	16.9
11 7	2 3.63	+11 20.2	1.528	2.506	4.8	17.2
11 17	1 54.91	+11 18.6	1.560	2.496	9.3	17.5
11 27	1 48.24	+11 25.3	1.617	2.486	13.4	17.7
12 7	1 44.24	+11 42.8	1.695	2.477	16.8	17.9

396982 2005 SR_{129} 10 28.7 56°.21 2°.3/26.4 18

9 28	2 32.59	+11 56.6	1.780	2.666	12.3	20.7
10 8	2 27.47	+10 12.3	1.734	2.681	8.5	20.5
10 18	2 20.73	+ 8 20.1	1.714	2.697	4.5	20.3
10 28	2 13.22	+ 6 28.2	1.723	2.713	2.4	20.2
11 7	2 5.92	+ 4 45.3	1.761	2.729	5.6	20.5
11 17	1 59.70	+ 3 18.7	1.827	2.745	9.4	20.7
11 27	1 55.26	+ 2 13.4	1.918	2.761	12.8	21.0
12 7	1 52.99	+ 1 30.6	2.030	2.778	15.5	21.2

10530 1991 *EA* 10 28.7 264°.17 3°.1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.87	+21 52.0	1.665	2.520	14.6	17.6
10 8	2 32.46	+22 0.2	1.589	2.512	11.0	17.4
10 18	2 23.67	+21 52.5	1.535	2.504	6.9	17.1
10 28	2 13.44	+21 29.4	1.508	2.496	3.3	16.9
11 7	2 3.04	+20 54.2	1.509	2.487	4.7	17.0
11 17	1 53.77	+20 12.8	1.537	2.479	8.8	17.2
11 27	1 46.72	+19 32.6	1.590	2.470	12.9	17.4
12 7	1 42.54	+19 0.0	1.664	2.462	16.4	17.6

462709 2009 WT_{52} 10 28.7 280°.49 1°.5/27.1 18

9 28	2 31.31	+12 25.3	2.276	3.153	10.4	21.1
10 8	2 26.49	+11 11.9	2.202	3.145	7.2	20.9
10 18	2 20.24	+ 9 50.4	2.155	3.136	3.8	20.7
10 28	2 13.21	+ 8 25.9	2.136	3.127	1.5	20.5
11 7	2 6.17	+ 7 4.5	2.148	3.119	4.4	20.7
11 17	1 59.88	+ 5 52.0	2.188	3.110	7.9	20.9
11 27	1 55.00	+ 4 53.2	2.255	3.101	11.0	21.1
12 7	1 51.96	+ 4 10.9	2.345	3.093	13.7	21.3

77076 2001 DU_{29} 10 28.7 146°.31 0°.0/28.8 18

9 28	2 37.72	+14 45.3	2.038	2.905	11.9	20.1
10 8	2 31.07	+14 28.4	1.976	2.912	8.4	19.9
10 18	2 22.68	+14 3.2	1.939	2.918	4.5	19.7
10 28	2 13.39	+13 32.6	1.931	2.925	0.3	19.3
11 7	2 4.15	+13 0.6	1.952	2.930	3.8	19.6
11 17	1 55.90	+12 31.6	2.003	2.936	7.7	19.9
11 27	1 49.42	+12 9.8	2.079	2.941	11.1	20.1
12 7	1 45.19	+11 58.3	2.178	2.946	14.0	20.3

28901 2000 LJ_{14} 10 28.7 59°.32 2°.4/30.9 18

9 28	2 35.54	+23 55.5	1.718	2.570	14.4	17.3
10 8	2 29.61	+23 1.4	1.674	2.596	10.6	17.2
10 18	2 21.87	+21 48.9	1.654	2.623	6.4	17.0
10 28	2 13.33	+20 22.4	1.661	2.649	2.7	16.8
11 7	2 5.11	+18 49.5	1.696	2.676	4.0	16.9
11 17	1 58.19	+17 18.3	1.759	2.702	7.8	17.2
11 27	1 53.32	+15 56.9	1.849	2.729	11.4	17.5
12 7	1 50.85	+14 50.5	1.962	2.755	14.4	17.8

278321 2007 HY_{45} 10 28.7 202°.56 4°.1/25.7 18

9 28	2 36.90	+ 4 41.7	1.750	2.637	12.5	20.9
10 8	2 30.69	+ 3 45.8	1.690	2.635	8.9	20.6
10 18	2 22.56	+ 2 48.8	1.655	2.632	5.4	20.4
10 28	2 13.40	+ 1 57.1	1.648	2.630	4.2	20.4
11 7	2 4.26	+ 1 16.9	1.668	2.627	6.9	20.5
11 17	1 56.18	+ 0 52.9	1.715	2.623	10.6	20.7
11 27	1 50.03	+ 0 47.7	1.787	2.620	14.0	21.0
12 7	1 46.31	+ 1 1.2	1.877	2.616	16.9	21.2

388138 2005 WT_{25} 10 28.7 331°.61 2°.6/30.3 18

9 28	2 34.18	+20 32.7	1.224	2.107	17.0	21.0
10 8	2 29.74	+20 24.6	1.152	2.091	12.6	20.7
10 18	2 22.46	+19 56.4	1.100	2.076	7.6	20.3
10 28	2 13.41	+19 10.0	1.072	2.062	2.9	20.0
11 7	2 4.10	+18 11.7	1.068	2.050	5.3	20.1
11 17	1 56.12	+17 10.2	1.088	2.038	10.6	20.4
11 27	1 50.80	+16 15.9	1.131	2.027	15.7	20.7
12 7	1 48.87	+15 36.3	1.192	2.017	20.0	20.9

398334 2011 QP_{29} 10 28.7 59°.39 8°.3/ 4.2 18

9 28	2 41.09	+35 8.8	1.638	2.436	17.5	20.2
10 8	2 34.13	+35 52.0	1.583	2.452	14.4	20.1
10 18	2 24.56	+36 8.2	1.549	2.467	11.3	19.9
10 28	2 13.54	+35 54.6	1.537	2.483	8.9	19.8
11 7	2 2.59	+35 13.4	1.551	2.499	8.4	19.8
11 17	1 53.17	+34 11.2	1.590	2.515	10.0	20.0
11 27	1 46.40	+32 58.2	1.654	2.531	12.7	20.2
12 7	1 42.82	+31 44.8	1.740	2.547	15.4	20.4

469849 2005 TK_{124} 10 28.7 358°.86 1°.0/29.3 18

9 28	2 36.29	+16 53.0	1.240	2.128	16.5	21.1
10 8	2 30.97	+16 43.1	1.182	2.126	11.9	20.8
10 18	2 22.98	+16 18.5	1.144	2.124	6.6	20.5
10 28	2 13.43	+15 42.5	1.131	2.123	1.3	20.2
11 7	2 3.87	+15 1.2	1.142	2.124	5.1	20.4
11 17	1 55.75	+14 22.4	1.179	2.124	10.5	20.8
11 27	1 50.27	+13 53.4	1.238	2.126	15.2	21.0
12 7	1 48.02	+13 39.2	1.316	2.128	19.2	21.3

365296 2009 RC_{48} 10 28.7 146°.41 1°.3/27.3 18

9 28	2 32.33	+11 56.9	2.395	3.269	10.0	20.7
10 8	2 27.09	+10 57.9	2.332	3.273	7.0	20.5
10 18	2 20.52	+ 9 52.7	2.296	3.277	3.6	20.3
10 28	2 13.26	+ 8 45.7	2.290	3.281	1.3	20.2
11 7	2 6.07	+ 7 42.0	2.313	3.285	4.1	20.4
11 17	1 59.64	+ 6 46.3	2.366	3.288	7.3	20.6
11 27	1 54.60	+ 6 2.5	2.445	3.292	10.3	20.8
12 7	1 51.32	+ 5 32.8	2.548	3.295	12.7	21.0

178859 2001 KL_{24} 10 28.7 111°.16 1°.1/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.12	+18 32.0	1.704	2.566	14.0	21.0
10 8	2 32.88	+18 3.2	1.654	2.585	10.1	20.8
10 18	2 23.66	+17 20.9	1.629	2.604	5.6	20.6
10 28	2 13.48	+16 28.6	1.631	2.623	1.3	20.3
11 7	2 3.53	+15 32.3	1.661	2.641	4.1	20.6
11 17	1 54.92	+14 38.3	1.720	2.658	8.4	20.9
11 27	1 48.49	+13 53.1	1.805	2.675	12.2	21.1
12 7	1 44.68	+13 20.7	1.911	2.690	15.3	21.4

39233 2000 YZ_{46} 10 28.7 18°.34 9°.0/22.4 18

9 28	2 33.85	− 8 19.9	1.570	2.457	13.6	17.8
10 8	2 28.55	− 9 25.1	1.536	2.464	10.9	17.7
10 18	2 21.39	−10 16.4	1.525	2.471	9.2	17.6
10 28	2 13.32	−10 45.9	1.538	2.480	9.3	17.6
11 7	2 5.45	−10 49.1	1.576	2.489	11.2	17.8
11 17	1 58.77	−10 24.8	1.637	2.498	13.8	17.9
11 27	1 54.09	− 9 35.1	1.718	2.509	16.3	18.2
12 7	1 51.81	− 8 24.2	1.817	2.520	18.6	18.4

450719 2007 DU_{67} 10 28.7 340°.77 6°.1/22.6 17

9 28	2 32.18	− 2 32.4	2.063	2.949	10.9	21.6
10 8	2 27.13	− 3 57.6	2.013	2.949	8.3	21.4
10 18	2 20.59	− 5 17.7	1.989	2.948	6.4	21.3
10 28	2 13.27	− 6 25.8	1.992	2.947	6.5	21.3
11 7	2 6.01	− 7 15.9	2.023	2.947	8.4	21.5
11 17	1 59.60	− 7 44.7	2.080	2.946	11.0	21.6
11 27	1 54.72	− 7 51.0	2.159	2.946	13.6	21.8
12 7	1 51.80	− 7 36.1	2.257	2.946	15.7	22.0

76802 2000 PV_{27} 10 28.7 11°.89 17°.7/15.4 18

9 28	2 40.11	+54 37.3	0.981	1.718	30.3	18.0
10 8	2 35.58	+54 49.0	0.920	1.718	27.7	17.8
10 18	2 26.01	+53 56.9	0.868	1.719	24.5	17.6
10 28	2 13.64	+51 47.5	0.829	1.721	21.2	17.4
11 7	2 1.74	+48 19.5	0.807	1.723	18.5	17.3
11 17	1 53.10	+43 48.1	0.806	1.725	17.7	17.2
11 27	1 49.31	+38 44.5	0.826	1.729	19.2	17.3
12 7	1 50.51	+33 44.1	0.869	1.733	22.3	17.6

100103 1993 FC_{33} 10 28.7 167°.05 1°.9/27.3 18

9 28	2 38.08	+10 33.4	1.768	2.647	12.8	20.8
10 8	2 31.50	+ 9 48.4	1.708	2.651	8.9	20.6
10 18	2 22.99	+ 8 57.1	1.673	2.654	4.7	20.3
10 28	2 13.46	+ 8 4.5	1.666	2.657	1.9	20.2
11 7	2 3.99	+ 7 16.6	1.687	2.659	5.3	20.4
11 17	1 55.64	+ 6 39.0	1.736	2.660	9.4	20.6
11 27	1 49.27	+ 6 15.7	1.811	2.662	13.1	20.9
12 7	1 45.36	+ 6 8.5	1.906	2.662	16.1	21.1

350343 2012 UJ_{105} 10 28.7 48°.01 2°.6/30.8 18

9 28	2 35.72	+23 4.4	1.392	2.258	16.3	19.9
10 8	2 30.16	+22 22.4	1.345	2.275	12.0	19.7
10 18	2 22.34	+21 19.2	1.320	2.292	7.2	19.4
10 28	2 13.41	+19 59.4	1.320	2.309	3.0	19.2
11 7	2 4.74	+18 31.2	1.347	2.327	4.6	19.4
11 17	1 57.58	+17 4.5	1.400	2.346	9.1	19.7
11 27	1 52.82	+15 48.4	1.477	2.365	13.3	20.0
12 7	1 50.89	+14 49.1	1.576	2.383	16.7	20.3

487303 2014 QQ_{71} 10 28.7 54°.14 2°.3/26.6 18

9 28	2 32.72	+ 9 13.1	2.002	2.887	11.2	21.3
10 8	2 27.55	+ 8 14.0	1.947	2.892	7.8	21.1
10 18	2 20.83	+ 7 10.3	1.917	2.898	4.2	20.9
10 28	2 13.31	+ 6 7.6	1.916	2.904	2.4	20.8
11 7	2 5.88	+ 5 11.5	1.943	2.910	5.2	21.0
11 17	1 59.36	+ 4 27.0	1.998	2.916	8.7	21.2
11 27	1 54.46	+ 3 57.6	2.078	2.923	11.9	21.4
12 7	1 51.58	+ 3 44.6	2.179	2.929	14.5	21.6

96798 1999 RH_{127} 10 28.7 13°.64 15°.7/ 9.7 18

9 28	2 38.72	+44 40.9	1.162	1.940	24.2	19.1
10 8	2 33.88	+46 32.1	1.114	1.947	21.6	18.9
10 18	2 25.02	+47 42.3	1.082	1.955	19.0	18.8
10 28	2 13.62	+48 2.2	1.066	1.965	16.8	18.7
11 7	2 2.01	+47 30.4	1.069	1.977	15.7	18.7
11 17	1 52.58	+46 13.9	1.091	1.990	16.0	18.8
11 27	1 47.11	+44 27.8	1.132	2.005	17.6	18.9
12 7	1 46.24	+42 29.6	1.192	2.022	19.7	19.1

270588 2002 LA_{6} 10 28.7 39°.93 6°.3/ 1.9 18

9 28	2 42.12	+28 26.2	0.894	1.763	22.9	19.1
10 8	2 35.08	+28 22.2	0.878	1.802	17.4	18.9
10 18	2 24.91	+27 43.6	0.880	1.842	11.7	18.8
10 28	2 13.57	+26 34.3	0.902	1.883	7.1	18.7
11 7	2 3.20	+25 5.7	0.948	1.924	7.1	18.8
11 17	1 55.41	+23 32.1	1.016	1.967	11.1	19.2
11 27	1 51.14	+22 7.2	1.106	2.009	15.4	19.6
12 7	1 50.53	+20 59.7	1.216	2.052	19.0	20.0

202873 2008 UV_{119} 10 28.7 228°.55 2°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.65	+22 50.7	1.799	2.651	13.9	20.8
10 8	2 30.70	+22 29.1	1.725	2.647	10.4	20.6
10 18	2 22.67	+21 50.1	1.675	2.643	6.4	20.3
10 28	2 13.47	+20 55.6	1.651	2.639	3.0	20.1
11 7	2 4.23	+19 50.8	1.655	2.634	4.2	20.2
11 17	1 56.06	+18 42.4	1.687	2.630	8.2	20.4
11 27	1 49.91	+17 38.3	1.745	2.625	12.0	20.6
12 7	1 46.32	+16 44.7	1.826	2.620	15.3	20.8

511765 2015 DC_{210} 10 28.7 196°.83 5°.2/25.1 18

9 28	2 38.78	+ 1 14.8	1.736	2.621	12.7	21.3
10 8	2 32.03	+ 0 24.6	1.678	2.619	9.2	21.1
10 18	2 23.31	− 0 22.9	1.645	2.617	6.1	20.9
10 28	2 13.52	− 1 1.3	1.639	2.614	5.3	20.9
11 7	2 3.77	− 1 24.8	1.661	2.611	7.8	21.0
11 17	1 55.12	− 1 30.1	1.710	2.607	11.3	21.2
11 27	1 48.47	− 1 15.6	1.782	2.604	14.6	21.5
12 7	1 44.32	− 0 42.6	1.873	2.599	17.4	21.7

270746 2002 RP_{48} 10 28.7 47°.18 2°.2/29.9 17

9 28	2 42.50	+18 15.3	1.067	1.951	18.8	19.8
10 8	2 35.21	+18 28.7	1.038	1.978	13.5	19.5
10 18	2 25.06	+18 24.9	1.028	2.006	7.7	19.3
10 28	2 13.62	+18 6.3	1.043	2.034	2.5	19.1
11 7	2 2.72	+17 39.0	1.082	2.063	5.3	19.4
11 17	1 53.91	+17 10.9	1.145	2.092	10.6	19.8
11 27	1 48.23	+16 49.5	1.231	2.121	15.1	20.1
12 7	1 46.06	+16 39.7	1.336	2.151	18.8	20.5

309239 2007 RW_{10} 10 28.8 76°.23 0°.5/23.0 17

9 28	2 15.80	− 3 30.5	29.984	30.858	0.9	21.6
10 8	2 14.90	− 3 39.4	29.939	30.867	0.7	21.6
10 18	2 13.91	− 3 47.6	29.922	30.876	0.5	21.5
10 28	2 12.88	− 3 55.2	29.934	30.886	0.5	21.5
11 7	2 11.86	− 4 1.6	29.976	30.895	0.7	21.6
11 17	2 10.87	− 4 6.9	30.045	30.904	0.9	21.6
11 27	2 9.96	− 4 10.8	30.142	30.913	1.2	21.6
12 7	2 9.16	− 4 13.2	30.262	30.923	1.4	21.6

144787 2004 HQ_{38} 10 28.8 219°.14 3°.2/25.4 18

9 28	2 33.39	+ 6 5.0	2.261	3.143	10.2	20.1
10 8	2 27.96	+ 4 52.8	2.193	3.136	7.2	19.9
10 18	2 21.08	+ 3 37.7	2.153	3.130	4.3	19.7
10 28	2 13.40	+ 2 25.6	2.141	3.123	3.4	19.7
11 7	2 5.71	+ 1 22.0	2.159	3.115	5.7	19.8
11 17	1 58.80	+ 0 31.9	2.205	3.107	8.9	20.0
11 27	1 53.32	− 0 1.7	2.277	3.099	11.8	20.2
12 7	1 49.73	− 0 17.5	2.370	3.091	14.2	20.3

273631 2007 DA_{42} 10 28.8 177°.61 4°.0/31.7 18

9 28	2 39.67	+25 17.7	1.788	2.626	14.6	20.7
10 8	2 32.89	+25 21.3	1.717	2.627	11.1	20.5
10 18	2 23.88	+25 6.4	1.669	2.628	7.4	20.2
10 28	2 13.60	+24 33.4	1.648	2.629	4.3	20.1
11 7	2 3.28	+23 45.9	1.654	2.629	4.9	20.1
11 17	1 54.12	+22 50.1	1.688	2.629	8.3	20.3
11 27	1 47.14	+21 53.8	1.749	2.628	12.0	20.5
12 7	1 42.91	+21 4.1	1.831	2.627	15.2	20.8

509537 2008 AN 10 28.8 297°.06 4°.8/26.1 18

9 28	2 38.38	+ 4 32.8	1.288	2.185	15.2	21.3
10 8	2 32.50	+ 3 49.5	1.219	2.168	11.0	21.0
10 18	2 23.90	+ 3 4.8	1.172	2.152	6.6	20.7
10 28	2 13.61	+ 2 26.4	1.151	2.135	5.0	20.6
11 7	2 3.10	+ 2 1.9	1.154	2.118	8.4	20.7
11 17	1 53.85	+ 1 57.1	1.182	2.102	13.2	20.9
11 27	1 47.14	+ 2 14.8	1.231	2.086	17.7	21.2
12 7	1 43.65	+ 2 54.6	1.298	2.071	21.5	21.4

22867 1999 RZ_{184} 10 28.8 352°.18 6°.1/23.6 18

9 28	2 32.50	− 0 57.3	1.791	2.683	11.9	17.7
10 8	2 27.58	− 2 9.5	1.739	2.680	8.9	17.5
10 18	2 20.94	− 3 17.4	1.712	2.678	6.5	17.4
10 28	2 13.39	− 4 13.5	1.711	2.676	6.4	17.4
11 7	2 5.89	− 4 51.8	1.737	2.674	8.6	17.5
11 17	1 59.35	− 5 8.6	1.788	2.673	11.6	17.7
11 27	1 54.54	− 5 2.7	1.861	2.672	14.5	17.9
12 7	1 51.93	− 4 35.6	1.954	2.672	17.0	18.1

434316 2004 GY_{44} 10 28.8 194°.24 0°.3/29.0 16

9 28	2 38.58	+16 19.5	1.819	2.685	13.1	22.5
10 8	2 31.97	+15 49.6	1.749	2.684	9.3	22.3
10 18	2 23.33	+15 8.2	1.703	2.682	5.1	22.0
10 28	2 13.57	+14 18.7	1.686	2.679	0.6	21.7
11 7	2 3.80	+13 26.3	1.697	2.676	4.2	22.0
11 17	1 55.09	+12 37.2	1.736	2.672	8.5	22.2
11 27	1 48.37	+11 57.2	1.802	2.667	12.4	22.4
12 7	1 44.16	+11 30.2	1.889	2.663	15.6	22.7

140097 2001 SL_{130} 10 28.8 137°.30 0°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.66	+17 11.7	1.989	2.854	12.2	20.4
10 8	2 29.75	+16 49.2	1.923	2.856	8.7	20.2
10 18	2 22.10	+16 15.9	1.882	2.859	4.8	20.0
10 28	2 13.49	+15 34.7	1.868	2.861	0.9	19.7
11 7	2 4.90	+14 50.1	1.884	2.863	3.7	19.9
11 17	1 57.28	+14 7.3	1.928	2.866	7.6	20.2
11 27	1 51.41	+13 31.5	1.998	2.868	11.2	20.4
12 7	1 47.78	+13 6.3	2.091	2.870	14.1	20.6

78213 2002 OK_1 10 28.8 94°.77 4°.4/ 2.6 18

9 28	2 34.11	+30 28.4	2.385	3.193	12.3	19.6
10 8	2 28.55	+30 13.6	2.312	3.198	9.8	19.5
10 18	2 21.41	+29 40.5	2.263	3.203	7.0	19.3
10 28	2 13.44	+28 50.0	2.240	3.208	4.8	19.2
11 7	2 5.50	+27 45.4	2.246	3.213	4.7	19.2
11 17	1 58.46	+26 32.0	2.281	3.217	6.7	19.3
11 27	1 53.02	+25 16.4	2.343	3.222	9.4	19.5
12 7	1 49.64	+24 5.0	2.430	3.227	11.9	19.7

69674 1998 HP_3 10 28.8 156°.23 1°.6/27.3 18

9 28	2 36.65	+10 33.8	2.243	3.115	10.7	20.1
10 8	2 30.18	+ 9 48.0	2.184	3.124	7.5	19.9
10 18	2 22.22	+ 8 57.1	2.151	3.132	3.9	19.7
10 28	2 13.50	+ 8 5.3	2.148	3.139	1.6	19.6
11 7	2 4.87	+ 7 17.5	2.175	3.145	4.4	19.8
11 17	1 57.13	+ 6 37.9	2.231	3.151	7.8	20.0
11 27	1 50.97	+ 6 10.0	2.313	3.156	10.9	20.2
12 7	1 46.80	+ 5 55.7	2.419	3.161	13.5	20.4

447789 2007 RZ_{316} 10 28.8 146°.83 1°.7/30.1 18

9 28	2 37.84	+19 41.1	1.936	2.792	12.9	21.7
10 8	2 31.34	+19 27.5	1.871	2.798	9.4	21.5
10 18	2 22.95	+19 1.1	1.831	2.803	5.5	21.3
10 28	2 13.56	+18 23.9	1.818	2.808	1.9	21.1
11 7	2 4.20	+17 40.1	1.834	2.813	3.8	21.2
11 17	1 55.89	+16 55.2	1.878	2.817	7.7	21.5
11 27	1 49.47	+16 15.1	1.949	2.821	11.3	21.7
12 7	1 45.45	+15 44.2	2.042	2.825	14.3	21.9

454833 2015 RA_{209} 10 28.8 128°.32 1°.5/27.5 18

9 28	2 34.98	+10 35.4	2.019	2.898	11.4	21.3
10 8	2 29.20	+10 2.2	1.957	2.900	8.0	21.1
10 18	2 21.78	+ 9 23.8	1.920	2.902	4.2	20.9
10 28	2 13.48	+ 8 44.2	1.912	2.903	1.5	20.7
11 7	2 5.20	+ 8 8.1	1.932	2.905	4.6	20.9
11 17	1 57.84	+ 7 39.8	1.980	2.907	8.3	21.2
11 27	1 52.15	+ 7 22.9	2.054	2.908	11.6	21.4
12 7	1 48.58	+ 7 19.3	2.150	2.910	14.4	21.6

475997 2007 RM_{25} 10 28.8 339°.82 2°.5/27.0 16

9 28	2 33.58	+10 13.9	1.386	2.283	14.4	21.1
10 8	2 28.85	+ 9 22.0	1.323	2.275	10.1	20.8
10 18	2 21.83	+ 8 22.0	1.283	2.267	5.4	20.6
10 28	2 13.48	+ 7 20.7	1.269	2.259	2.6	20.4
11 7	2 5.09	+ 6 26.1	1.280	2.253	6.4	20.6
11 17	1 57.90	+ 5 45.4	1.316	2.247	11.1	20.8
11 27	1 52.93	+ 5 23.6	1.375	2.242	15.4	21.1
12 7	1 50.77	+ 5 22.6	1.453	2.238	19.0	21.3

69526 1997 GN_9 10 28.8 83°.09 5°.2/ 1.1 18

9 28	2 42.46	+26 26.8	1.768	2.598	15.0	19.1
10 8	2 34.92	+27 12.6	1.706	2.608	11.7	19.0
10 18	2 25.00	+27 40.6	1.667	2.617	8.2	18.8
10 28	2 13.72	+27 48.9	1.654	2.627	5.5	18.6
11 7	2 2.38	+27 39.1	1.669	2.636	5.8	18.7
11 17	1 52.31	+27 15.7	1.711	2.646	8.7	18.9
11 27	1 44.56	+26 45.8	1.779	2.655	12.0	19.1
12 7	1 39.73	+26 16.8	1.870	2.665	15.0	19.3

156262 2001 VP_{22} 10 28.8 28°.23 0°.5/29.1 18

9 28	2 36.34	+15 57.6	1.102	1.997	17.4	19.2
10 8	2 31.01	+15 41.7	1.061	2.009	12.4	19.0
10 18	2 22.97	+15 11.3	1.041	2.023	6.7	18.7
10 28	2 13.56	+14 31.3	1.044	2.038	0.8	18.4
11 7	2 4.40	+13 49.2	1.072	2.054	5.3	18.8
11 17	1 56.96	+13 12.7	1.124	2.070	10.8	19.1
11 27	1 52.31	+12 48.7	1.198	2.088	15.4	19.4
12 7	1 50.90	+12 40.8	1.290	2.107	19.2	19.7

392394 2010 JN_{153} 10 28.8 168°.97 3°.6/ 1.5 18

9 28	2 36.77	+28 6.9	2.211	3.030	12.8	21.1
10 8	2 30.47	+27 34.4	2.136	3.034	9.9	20.9
10 18	2 22.45	+26 43.1	2.085	3.037	6.7	20.7
10 28	2 13.53	+25 34.3	2.062	3.040	4.1	20.6
11 7	2 4.68	+24 12.8	2.069	3.042	4.2	20.6
11 17	1 56.81	+22 44.8	2.105	3.044	7.0	20.8
11 27	1 50.71	+21 18.2	2.168	3.045	10.1	21.0
12 7	1 46.84	+19 59.5	2.257	3.046	12.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42755 1998 ST_{61}			10 28.8	4°.93	0°.4/28.3	18
	h m	° ′			°	m
9 28	2 31.54	+15 57.6	1.907	2.784	12.1	18.5
10 8	2 26.89	+14 50.3	1.843	2.784	8.5	18.2
10 18	2 20.58	+13 31.3	1.804	2.785	4.5	18.0
10 28	2 13.40	+12 6.0	1.792	2.785	0.5	17.7
11 7	2 6.26	+10 41.2	1.809	2.787	4.2	18.0
11 17	2 0.07	+ 9 24.1	1.855	2.788	8.2	18.2
11 27	1 55.54	+ 8 20.5	1.926	2.790	11.8	18.5
12 7	1 53.14	+ 7 34.0	2.019	2.793	14.7	18.7
348388 2005 GA_{81}			10 28.8	230°.18	0°.6/29.2	18
9 28	2 36.72	+16 26.3	2.018	2.883	12.1	21.3
10 8	2 30.57	+16 9.5	1.943	2.876	8.6	21.0
10 18	2 22.59	+15 42.7	1.892	2.870	4.7	20.8
10 28	2 13.55	+15 8.2	1.870	2.863	0.8	20.5
11 7	2 4.44	+14 30.4	1.876	2.856	3.8	20.7
11 17	1 56.24	+13 53.9	1.912	2.848	7.8	20.9
11 27	1 49.78	+13 23.8	1.973	2.840	11.4	21.1
12 7	1 45.60	+13 4.0	2.057	2.833	14.5	21.3
56545 2000 HK_{65}			10 28.8	358°.15	0°.5/29.0	18
9 28	2 34.76	+14 49.4	1.024	1.927	17.8	17.9
10 8	2 30.31	+14 53.0	0.970	1.922	12.8	17.6
10 18	2 22.84	+14 43.7	0.935	1.918	7.0	17.3
10 28	2 13.58	+14 24.7	0.923	1.916	0.8	16.9
11 7	2 4.25	+14 2.4	0.934	1.916	5.7	17.2
11 17	1 56.53	+13 43.8	0.968	1.917	11.6	17.6
11 27	1 51.77	+13 35.9	1.022	1.920	16.8	17.9
12 7	1 50.57	+13 42.9	1.094	1.924	21.0	18.1
431677 2008 CE_{206}			10 28.8	285°.62	2°.8/26.9	18
9 28	2 36.55	+10 7.5	1.361	2.254	14.9	21.8
10 8	2 31.06	+ 9 6.6	1.293	2.242	10.5	21.5
10 18	2 23.07	+ 7 56.4	1.247	2.230	5.7	21.2
10 28	2 13.60	+ 6 44.2	1.228	2.218	2.9	21.0
11 7	2 4.00	+ 5 39.1	1.234	2.206	6.8	21.2
11 17	1 55.64	+ 4 49.1	1.266	2.194	11.8	21.4
11 27	1 49.66	+ 4 20.1	1.320	2.182	16.3	21.7
12 7	1 46.68	+ 4 14.1	1.393	2.170	20.1	21.9
305892 2009 FO_{24}			10 28.8	100°.51	5°.4/23.7	18
9 28	2 34.45	− 0 5.6	2.009	2.894	11.2	20.5
10 8	2 28.67	− 1 27.5	1.971	2.910	8.2	20.4
10 18	2 21.42	− 2 45.3	1.959	2.925	5.9	20.3
10 28	2 13.47	− 3 52.2	1.975	2.940	5.7	20.3
11 7	2 5.69	− 4 42.4	2.020	2.955	7.7	20.4
11 17	1 58.90	− 5 12.7	2.091	2.969	10.4	20.6
11 27	1 53.74	− 5 22.1	2.185	2.984	13.0	20.8
12 7	1 50.60	− 5 11.6	2.299	2.998	15.2	21.0
271611 2004 PK_{21}			10 28.8	235°.29	17°.4/ 5.1	17
9 28	2 56.11	+43 53.0	1.200	1.960	24.6	20.3
10 8	2 47.43	+46 37.6	1.136	1.956	22.1	20.1
10 18	2 33.11	+48 48.5	1.089	1.952	19.7	19.9
10 28	2 14.39	+50 8.6	1.060	1.948	17.9	19.8
11 7	1 54.18	+50 28.2	1.052	1.943	17.4	19.8
11 17	1 36.12	+49 50.2	1.063	1.938	18.4	19.8
11 27	1 23.18	+48 30.8	1.093	1.933	20.5	19.9
12 7	1 16.64	+46 51.5	1.139	1.928	23.0	20.1
314342 2005 TT_{74}			10 28.8	33°.13	2°.6/31.1	18
9 28	2 34.08	+23 24.1	1.861	2.712	13.5	20.3
10 8	2 28.79	+22 54.3	1.795	2.717	10.1	20.1
10 18	2 21.63	+22 7.4	1.753	2.721	6.3	19.9
10 28	2 13.49	+21 5.8	1.738	2.725	2.9	19.7
11 7	2 5.41	+19 55.1	1.751	2.730	4.0	19.8
11 17	1 58.37	+18 42.0	1.792	2.735	7.7	20.0
11 27	1 53.22	+17 34.0	1.858	2.740	11.3	20.2
12 7	1 50.41	+16 36.9	1.948	2.746	14.4	20.5
4103 Chahine			10 28.8	32°.80	7°.4/30.3	18
9 28	2 57.53	+21 20.1	1.134	1.987	20.2	14.2
10 8	2 46.82	+24 6.1	1.084	2.000	15.6	13.9
10 18	2 31.88	+26 37.7	1.056	2.015	10.8	13.7
10 28	2 14.26	+28 42.6	1.056	2.030	7.6	13.6
11 7	1 56.37	+30 13.5	1.082	2.047	8.8	13.7
11 17	1 40.67	+31 11.7	1.136	2.064	12.8	14.0
11 27	1 29.04	+31 46.5	1.212	2.082	16.9	14.3
12 7	1 22.25	+32 9.7	1.308	2.101	20.3	14.6
213492 2002 GX_{26}			10 28.8	105°.40	0°.6/28.4	18
9 28	2 43.18	+12 37.9	1.507	2.382	14.8	19.9
10 8	2 35.25	+12 27.6	1.460	2.401	10.4	19.7
10 18	2 25.05	+12 9.3	1.438	2.419	5.4	19.5
10 28	2 13.75	+11 46.7	1.443	2.436	0.7	19.1
11 7	2 2.70	+11 24.6	1.476	2.453	4.9	19.5
11 17	1 53.16	+11 8.0	1.536	2.470	9.6	19.8
11 27	1 46.08	+11 1.3	1.621	2.486	13.6	20.1
12 7	1 41.91	+11 6.8	1.727	2.501	16.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
460417 2014 SF_{132}			10 28.8	318°.64	2°.0/26.9	17
	h m	° ′			°	m
9 28	2 31.93	+ 9 53.2	2.016	2.901	11.2	21.1
10 8	2 27.18	+ 9 5.1	1.941	2.887	7.8	20.9
10 18	2 20.79	+ 8 11.1	1.892	2.874	4.2	20.7
10 28	2 13.46	+ 7 16.2	1.871	2.861	2.0	20.5
11 7	2 6.05	+ 6 25.8	1.878	2.849	5.0	20.7
11 17	1 59.44	+ 5 45.0	1.913	2.836	8.7	20.9
11 27	1 54.39	+ 5 17.9	1.973	2.825	12.1	21.1
12 7	1 51.41	+ 5 6.5	2.054	2.813	15.0	21.2
233640 2008 AC_{19}			10 28.8	284°.49	3°.6/25.9	18
9 28	2 34.93	+ 5 7.3	1.875	2.762	11.8	20.7
10 8	2 29.37	+ 4 20.4	1.805	2.750	8.4	20.5
10 18	2 21.98	+ 3 32.0	1.761	2.739	5.0	20.2
10 28	2 13.55	+ 2 47.7	1.744	2.727	3.8	20.1
11 7	2 5.06	+ 2 13.0	1.754	2.715	6.4	20.3
11 17	1 57.45	+ 1 52.3	1.792	2.703	10.0	20.5
11 27	1 51.59	+ 1 48.5	1.854	2.692	13.4	20.7
12 7	1 47.99	+ 2 2.1	1.936	2.680	16.3	20.9
339088 2004 RK_{109}			10 28.8	241°.79	13°.3/ 2.6	17
9 28	2 53.48	+35 45.8	1.184	1.989	22.4	20.6
10 8	2 44.86	+38 3.0	1.115	1.983	19.2	20.4
10 18	2 31.38	+39 52.8	1.065	1.976	16.0	20.2
10 28	2 14.29	+41 1.4	1.036	1.969	13.7	20.0
11 7	1 56.10	+41 21.6	1.029	1.962	13.5	20.0
11 17	1 39.75	+40 56.7	1.046	1.955	15.6	20.1
11 27	1 27.71	+40 1.1	1.083	1.947	18.8	20.3
12 7	1 21.15	+38 53.3	1.137	1.939	22.2	20.5
516080 2015 TG_{319}			10 28.8	77°.83	0°.0/28.7	18
9 28	2 35.70	+14 42.4	1.951	2.823	12.1	21.5
10 8	2 29.79	+14 21.6	1.891	2.829	8.5	21.3
10 18	2 22.14	+13 52.2	1.855	2.834	4.5	21.1
10 28	2 13.57	+13 17.5	1.846	2.840	0.3	20.8
11 7	2 5.04	+12 41.9	1.867	2.845	3.9	21.1
11 17	1 57.50	+12 10.0	1.915	2.851	7.9	21.3
11 27	1 51.72	+11 46.2	1.990	2.856	11.4	21.6
12 7	1 48.17	+11 33.6	2.087	2.862	14.3	21.8
511716 2015 CH_{53}			10 28.8	113°.80	2°.5/27.1	18
9 28	2 38.72	+ 9 9.4	1.602	2.486	13.6	21.1
10 8	2 32.06	+ 8 25.9	1.552	2.497	9.5	20.9
10 18	2 23.38	+ 7 37.7	1.527	2.508	5.1	20.6
10 28	2 13.66	+ 6 50.3	1.529	2.518	2.5	20.5
11 7	2 4.12	+ 6 10.0	1.558	2.528	5.8	20.7
11 17	1 55.84	+ 5 41.9	1.615	2.538	10.0	21.0
11 27	1 49.71	+ 5 29.4	1.695	2.548	13.7	21.3
12 7	1 46.19	+ 5 33.7	1.796	2.557	16.8	21.5
432960 2012 JW_{20}			10 28.8	168°.58	0°.7/28.4	16
9 28	2 40.67	+13 0.8	1.660	2.534	13.7	22.2
10 8	2 33.54	+12 40.5	1.598	2.537	9.7	22.0
10 18	2 24.24	+12 11.9	1.560	2.540	5.1	21.7
10 28	2 13.74	+11 38.6	1.549	2.543	0.7	21.4
11 7	2 3.28	+11 5.6	1.567	2.544	4.8	21.7
11 17	1 54.03	+10 38.3	1.613	2.546	9.3	22.0
11 27	1 46.96	+10 21.5	1.684	2.546	13.3	22.2
12 7	1 42.61	+10 18.0	1.776	2.547	16.6	22.5
405239 2003 SU_{132}			10 28.8	46°.11	0°.6/28.3	18
9 28	2 34.18	+13 39.2	1.874	2.752	12.2	20.8
10 8	2 28.65	+13 7.1	1.828	2.770	8.5	20.6
10 18	2 21.49	+12 27.3	1.807	2.788	4.4	20.4
10 28	2 13.53	+11 44.0	1.813	2.807	0.6	20.1
11 7	2 5.74	+11 2.2	1.848	2.825	4.1	20.5
11 17	1 59.00	+10 26.7	1.910	2.844	8.0	20.7
11 27	1 54.03	+10 1.5	1.998	2.863	11.4	21.0
12 7	1 51.23	+ 9 49.1	2.108	2.883	14.2	21.2
156932 2003 FZ_{87}			10 28.8	151°.63	3°.9/25.8	18
9 28	2 37.00	+ 5 14.6	1.774	2.660	12.4	20.2
10 8	2 30.75	+ 4 15.7	1.720	2.665	8.8	20.0
10 18	2 22.66	+ 3 15.4	1.692	2.669	5.2	19.8
10 28	2 13.62	+ 2 20.4	1.691	2.673	4.0	19.7
11 7	2 4.69	+ 1 36.5	1.718	2.677	6.7	19.9
11 17	1 56.84	+ 1 8.5	1.772	2.681	10.3	20.1
11 27	1 50.88	+ 0 58.9	1.851	2.684	13.6	20.4
12 7	1 47.30	+ 1 7.8	1.949	2.687	16.4	20.6
452751 2006 BA_{200}			10 28.8	198°.38	4°.9/22.7	18
9 28	2 31.78	− 2 49.9	2.765	3.642	8.8	21.7
10 8	2 26.65	− 4 3.1	2.709	3.639	6.7	21.6
10 18	2 20.36	− 5 12.4	2.680	3.636	5.1	21.5
10 28	2 13.47	− 6 12.7	2.680	3.633	5.2	21.5
11 7	2 6.59	− 6 59.7	2.709	3.629	6.8	21.6
11 17	2 0.34	− 7 30.6	2.766	3.624	8.9	21.7
11 27	1 55.26	− 7 44.1	2.847	3.620	11.0	21.9
12 7	1 51.71	− 7 40.6	2.948	3.615	12.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386671 2009 UX_{128}			10 28.8	333°.53	0°.9/29.3	18
	h m	° ′			°	m
9 28	2 34.10	+16 53.0	1.147	2.042	17.0	20.7
10 8	2 29.83	+16 38.0	1.078	2.025	12.3	20.4
10 18	2 22.66	+16 6.5	1.029	2.010	6.9	20.1
10 28	2 13.65	+15 21.8	1.002	1.995	1.2	19.7
11 7	2 4.37	+14 31.0	1.000	1.982	5.4	19.9
11 17	1 56.45	+13 42.9	1.021	1.970	11.3	20.2
11 27	1 51.25	+13 6.6	1.064	1.959	16.6	20.5
12 7	1 49.51	+12 47.7	1.125	1.949	21.0	20.7
521860 2015 TR_{376}			10 28.8	338°.63	5°.9/24.4	18
9 28	2 36.76	− 4 26.0	2.105	2.981	11.2	20.8
10 8	2 30.38	− 4 55.2	2.050	2.980	8.5	20.6
10 18	2 22.42	− 5 16.7	2.021	2.979	6.4	20.5
10 28	2 13.62	− 5 25.6	2.019	2.978	6.1	20.5
11 7	2 4.88	− 5 18.6	2.045	2.977	7.8	20.6
11 17	1 57.06	− 4 54.1	2.098	2.976	10.4	20.7
11 27	1 50.86	− 4 12.5	2.175	2.975	13.0	20.9
12 7	1 46.75	− 3 15.6	2.273	2.975	15.3	21.1
171505 1998 HV_{35}			10 28.8	199°.02	1°.4/27.8	18
9 28	2 39.39	+11 50.3	1.745	2.621	13.1	21.1
10 8	2 32.61	+11 12.6	1.677	2.618	9.2	20.8
10 18	2 23.75	+10 27.1	1.634	2.615	4.8	20.6
10 28	2 13.73	+ 9 38.2	1.618	2.611	1.4	20.3
11 7	2 3.68	+ 8 51.8	1.632	2.606	5.0	20.6
11 17	1 54.73	+ 8 13.7	1.673	2.601	9.4	20.8
11 27	1 47.81	+ 7 48.5	1.740	2.595	13.3	21.0
12 7	1 43.48	+ 7 38.9	1.827	2.588	16.5	21.3
347698 2001 WG_{1}			10 28.8	358°.68	20°.2/25.3	16
9 28	2 54.00	−26 41.9	0.943	1.782	24.4	19.9
10 8	2 43.88	−27 4.1	0.908	1.780	22.1	19.7
10 18	2 29.94	−26 37.5	0.889	1.778	20.6	19.6
10 28	2 14.17	−25 9.4	0.888	1.778	20.3	19.6
11 7	1 59.07	−22 38.9	0.905	1.778	21.4	19.7
11 17	1 46.74	−19 16.9	0.942	1.779	23.5	19.8
11 27	1 38.50	−15 20.5	0.998	1.780	26.0	20.0
12 7	1 34.70	−11 7.8	1.069	1.783	28.4	20.3
62276 2000 SN_{100}			10 28.8	77°.23	4°.4/ 1.7	18
9 28	2 37.14	+28 34.0	1.607	2.443	16.0	18.4
10 8	2 31.15	+27 57.7	1.550	2.456	12.4	18.2
10 18	2 22.96	+26 56.7	1.513	2.469	8.4	18.0
10 28	2 13.67	+25 33.5	1.503	2.482	5.0	17.9
11 7	2 4.58	+23 54.9	1.520	2.495	5.1	17.9
11 17	1 56.89	+22 10.6	1.564	2.508	8.5	18.2
11 27	1 51.51	+20 31.1	1.634	2.522	12.2	18.4
12 7	1 48.87	+19 4.7	1.727	2.534	15.5	18.7
78828 2003 QB_{21}			10 28.8	111°.49	2°.9/31.5	18
9 28	2 38.31	+23 48.5	2.588	3.415	10.9	19.7
10 8	2 31.34	+24 3.2	2.527	3.433	8.2	19.6
10 18	2 22.89	+24 6.0	2.492	3.449	5.4	19.4
10 28	2 13.67	+23 57.2	2.485	3.466	3.1	19.3
11 7	2 4.50	+23 39.0	2.509	3.482	3.6	19.4
11 17	1 56.18	+23 14.7	2.563	3.498	6.1	19.5
11 27	1 49.39	+22 48.7	2.645	3.513	8.8	19.7
12 7	1 44.56	+22 25.1	2.751	3.528	11.1	19.9
47287 1999 VR_{177}			10 28.8	206°.89	3°.6/26.3	18
9 28	2 38.07	+ 6 53.1	1.551	2.440	13.7	18.8
10 8	2 31.80	+ 5 57.5	1.491	2.438	9.6	18.5
10 18	2 23.36	+ 4 58.3	1.456	2.435	5.5	18.3
10 28	2 13.71	+ 4 2.2	1.447	2.433	3.7	18.2
11 7	2 4.09	+ 3 16.5	1.465	2.430	6.9	18.4
11 17	1 55.67	+ 2 46.6	1.510	2.427	11.1	18.6
11 27	1 49.40	+ 2 36.2	1.578	2.423	14.9	18.8
12 7	1 45.84	+ 2 45.6	1.665	2.419	18.2	19.1
77162 2001 EL_{19}			10 28.8	232°.00	3°.4/31.3	18
9 28	2 39.28	+24 6.8	1.643	2.491	15.2	19.9
10 8	2 32.87	+23 53.9	1.565	2.483	11.5	19.7
10 18	2 24.05	+23 21.2	1.510	2.475	7.4	19.4
10 28	2 13.77	+22 29.7	1.480	2.466	3.8	19.2
11 7	2 3.37	+21 24.1	1.479	2.457	4.8	19.2
11 17	1 54.14	+20 11.9	1.504	2.447	8.9	19.4
11 27	1 47.19	+19 2.5	1.555	2.437	13.1	19.7
12 7	1 43.17	+18 3.4	1.628	2.427	16.7	19.9
179095 2001 SR_{190}			10 28.8	343°.28	1°.5/29.9	18
9 28	2 36.26	+18 36.9	1.773	2.639	13.4	20.6
10 8	2 30.47	+18 31.4	1.705	2.637	9.7	20.4
10 18	2 22.65	+18 13.3	1.660	2.634	5.6	20.2
10 28	2 13.67	+17 44.7	1.641	2.632	1.8	19.9
11 7	2 4.63	+17 9.7	1.650	2.631	4.0	20.1
11 17	1 56.64	+16 33.7	1.687	2.629	8.2	20.3
11 27	1 50.61	+16 2.5	1.750	2.628	12.1	20.5
12 7	1 47.09	+15 40.8	1.834	2.627	15.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
52354 1993 FF_{22}			10 28.8	343°.52	2°.2/29.9	18
	h m	° ′			°	m
9 28	2 37.89	+18 20.2	1.212	2.096	17.1	18.4
10 8	2 32.39	+18 34.8	1.148	2.088	12.5	18.1
10 18	2 23.98	+18 33.9	1.105	2.082	7.3	17.8
10 28	2 13.77	+18 18.9	1.085	2.076	2.5	17.5
11 7	2 3.40	+17 54.0	1.090	2.072	5.3	17.7
11 17	1 54.46	+17 26.2	1.120	2.068	10.6	18.0
11 27	1 48.31	+17 3.3	1.172	2.065	15.5	18.3
12 7	1 45.63	+16 51.5	1.243	2.062	19.7	18.5
20283 Elizaheller			10 28.8	54°.97	0°.2/28.6	18
9 28	2 38.91	+13 56.7	1.424	2.306	15.0	17.5
10 8	2 32.35	+13 41.4	1.382	2.325	10.6	17.3
10 18	2 23.58	+13 16.5	1.363	2.344	5.6	17.1
10 28	2 13.73	+12 46.2	1.370	2.363	0.4	16.7
11 7	2 4.14	+12 15.8	1.404	2.383	4.8	17.1
11 17	1 56.02	+11 51.1	1.464	2.403	9.5	17.5
11 27	1 50.28	+11 36.9	1.549	2.423	13.6	17.8
12 7	1 47.37	+11 35.8	1.653	2.443	16.9	18.0
484720 2008 WZ_{83}			10 28.8	29°.37	5°.4/ 2.2	18
9 28	2 34.36	+29 19.4	1.253	2.105	18.7	19.8
10 8	2 29.62	+28 51.7	1.204	2.118	14.5	19.6
10 18	2 22.28	+27 54.1	1.175	2.133	10.0	19.3
10 28	2 13.64	+26 29.1	1.169	2.148	6.2	19.2
11 7	2 5.24	+24 45.3	1.188	2.165	6.1	19.2
11 17	1 58.48	+22 54.6	1.233	2.182	9.6	19.5
11 27	1 54.38	+21 10.0	1.301	2.200	13.7	19.8
12 7	1 53.37	+19 41.0	1.390	2.219	17.4	20.1
68629 2002 BZ_{17}			10 28.8	158°.29	3°.2/26.0	18
9 28	2 37.06	+ 5 35.5	2.104	2.983	11.0	20.3
10 8	2 30.57	+ 4 43.4	2.049	2.990	7.8	20.1
10 18	2 22.52	+ 3 50.0	2.019	2.996	4.6	19.9
10 28	2 13.67	+ 3 0.6	2.019	3.002	3.3	19.8
11 7	2 4.90	+ 2 20.2	2.048	3.007	5.7	20.0
11 17	1 57.08	+ 1 52.5	2.106	3.012	9.0	20.2
11 27	1 50.90	+ 1 40.2	2.188	3.016	12.0	20.4
12 7	1 46.80	+ 1 43.6	2.292	3.019	14.5	20.6
216855 2007 YW_{20}			10 28.8	198°.20	10°.0/19.9	18
9 28	2 38.93	−19 34.9	2.297	3.126	12.1	20.9
10 8	2 31.80	−20 27.4	2.256	3.124	10.7	20.8
10 18	2 23.14	−21 1.7	2.239	3.121	10.0	20.8
10 28	2 13.71	−21 12.3	2.247	3.118	10.3	20.8
11 7	2 4.41	−20 56.2	2.280	3.115	11.5	20.9
11 17	1 56.09	−20 13.6	2.337	3.111	13.1	21.0
11 27	1 49.43	−19 6.9	2.414	3.107	14.7	21.1
12 7	1 44.85	−17 40.5	2.510	3.103	16.2	21.2
19181 1991 SD_{1}			10 28.8	162°.89	6°.9/22.7	18
9 28	2 36.34	− 4 57.4	1.983	2.862	11.6	18.4
10 8	2 30.13	− 6 14.3	1.938	2.866	9.0	18.2
10 18	2 22.30	− 7 23.4	1.918	2.870	7.2	18.1
10 28	2 13.65	− 8 17.5	1.925	2.873	7.3	18.1
11 7	2 5.11	− 8 51.5	1.960	2.876	9.1	18.3
11 17	1 57.55	− 9 2.6	2.020	2.879	11.7	18.4
11 27	1 51.70	− 8 50.8	2.103	2.881	14.2	18.6
12 7	1 47.98	− 8 18.3	2.205	2.883	16.3	18.8
417782 2007 EM_{35}			10 28.8	97°.94	0°.6/29.4	18
9 28	2 36.47	+16 8.0	2.262	3.123	11.1	21.4
10 8	2 30.16	+16 4.1	2.202	3.133	7.9	21.3
10 18	2 22.31	+15 52.0	2.167	3.144	4.3	21.1
10 28	2 13.66	+15 33.9	2.162	3.155	0.8	20.8
11 7	2 5.06	+15 12.8	2.186	3.165	3.3	21.0
11 17	1 57.35	+14 52.2	2.239	3.175	6.8	21.3
11 27	1 51.21	+14 36.1	2.320	3.186	10.0	21.5
12 7	1 47.10	+14 27.3	2.423	3.196	12.6	21.7
468779 2011 YK_{33}			10 28.8	138°.66	4°.7/25.5	17
9 28	2 39.74	+ 4 36.1	1.520	2.408	13.9	21.2
10 8	2 32.85	+ 3 24.5	1.474	2.419	9.9	21.0
10 18	2 23.84	+ 2 12.3	1.452	2.428	6.1	20.8
10 28	2 13.78	+ 1 7.5	1.457	2.437	4.9	20.8
11 7	2 3.91	+ 0 17.6	1.489	2.446	7.8	21.0
11 17	1 55.40	− 0 12.3	1.547	2.454	11.6	21.2
11 27	1 49.13	− 0 20.0	1.629	2.461	15.2	21.5
12 7	1 45.57	− 0 6.4	1.729	2.467	18.2	21.7
387122 2012 TG_{179}			10 28.8	95°.31	4°.5/ 1.1	18
9 28	2 40.54	+26 18.8	1.674	2.511	15.4	20.5
10 8	2 33.56	+26 28.8	1.617	2.525	11.9	20.3
10 18	2 24.29	+26 18.8	1.582	2.538	8.0	20.1
10 28	2 13.81	+25 49.1	1.573	2.552	4.9	19.9
11 7	2 3.44	+25 3.5	1.592	2.565	5.3	20.0
11 17	1 54.43	+24 8.6	1.637	2.578	8.5	20.2
11 27	1 47.76	+23 12.8	1.709	2.590	12.1	20.5
12 7	1 43.93	+22 23.4	1.802	2.603	15.2	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
509493 2007 TJ_{389}			10 28.8	60°.35	0°.9/28.3	18
	h m	° ′			°	m
9 28	2 39.05	+11 49.3	1.580	2.461	13.9	20.4
10 8	2 32.36	+11 40.7	1.532	2.475	9.7	20.2
10 18	2 23.59	+11 25.6	1.508	2.489	5.1	20.0
10 28	2 13.77	+11 7.5	1.510	2.504	0.9	19.7
11 7	2 4.11	+10 50.8	1.541	2.518	4.8	20.1
11 17	1 55.75	+10 40.0	1.598	2.533	9.2	20.4
11 27	1 49.60	+10 38.7	1.680	2.548	13.1	20.6
12 7	1 46.10	+10 49.1	1.783	2.562	16.2	20.9
236351 2006 BB_{157}			10 28.8	129°.83	1°.4/27.7	18
9 28	2 37.58	+11 16.8	1.884	2.760	12.2	21.6
10 8	2 31.11	+10 40.5	1.829	2.770	8.5	21.4
10 18	2 22.87	+ 9 58.2	1.798	2.779	4.5	21.2
10 28	2 13.72	+ 9 14.1	1.796	2.788	1.4	21.0
11 7	2 4.68	+ 8 33.4	1.823	2.797	4.7	21.2
11 17	1 56.70	+ 8 0.9	1.878	2.805	8.6	21.5
11 27	1 50.58	+ 7 40.5	1.959	2.813	12.1	21.7
12 7	1 46.77	+ 7 34.1	2.061	2.820	15.0	22.0
53013 1998 VF_{14}			10 28.8	170°.73	2°.1/30.4	18
9 28	2 39.99	+20 2.7	2.184	3.029	12.0	18.4
10 8	2 32.82	+20 16.1	2.112	3.032	8.8	18.2
10 18	2 23.83	+20 18.5	2.066	3.034	5.3	18.0
10 28	2 13.80	+20 10.5	2.048	3.036	2.3	17.8
11 7	2 3.73	+19 54.4	2.060	3.038	3.7	17.9
11 17	1 54.57	+19 34.1	2.102	3.039	7.1	18.2
11 27	1 47.17	+19 14.1	2.171	3.040	10.4	18.4
12 7	1 42.05	+18 59.0	2.263	3.040	13.3	18.6
132394 2002 GW_{96}			10 28.8	98°.64	1°.9/30.4	18 R
9 28	2 38.41	+20 44.4	1.816	2.671	13.6	20.2
10 8	2 31.77	+20 24.7	1.762	2.688	9.9	20.0
10 18	2 23.24	+19 50.5	1.733	2.704	5.9	19.8
10 28	2 13.75	+19 4.3	1.731	2.721	2.2	19.6
11 7	2 4.43	+18 11.3	1.757	2.737	3.9	19.8
11 17	1 56.32	+17 17.7	1.812	2.752	7.8	20.0
11 27	1 50.23	+16 29.8	1.892	2.768	11.4	20.3
12 7	1 46.61	+15 52.3	1.996	2.783	14.5	20.5
292206 2006 SO_{35}			10 28.8	6°.35	0°.6/28.4	18
9 28	2 33.97	+14 36.6	1.657	2.539	13.3	20.1
10 8	2 28.86	+13 51.1	1.596	2.539	9.4	19.9
10 18	2 21.78	+12 54.9	1.558	2.540	4.9	19.6
10 28	2 13.65	+11 52.7	1.547	2.541	0.6	19.3
11 7	2 5.55	+10 51.4	1.564	2.542	4.6	19.6
11 17	1 58.53	+ 9 57.4	1.608	2.544	9.0	19.9
11 27	1 53.47	+ 9 16.6	1.676	2.546	12.9	20.1
12 7	1 50.86	+ 8 52.2	1.765	2.548	16.2	20.3
271077 2003 MW_{4}			10 28.8	73°.26	2°.9/26.7	18
9 28	2 39.02	+ 8 26.3	1.582	2.467	13.7	20.3
10 8	2 32.07	+ 7 29.2	1.553	2.498	9.4	20.2
10 18	2 23.29	+ 6 29.3	1.548	2.529	5.1	20.0
10 28	2 13.75	+ 5 32.9	1.571	2.559	2.9	19.9
11 7	2 4.62	+ 4 46.5	1.622	2.589	6.0	20.2
11 17	1 56.89	+ 4 14.6	1.699	2.619	9.9	20.5
11 27	1 51.30	+ 3 59.9	1.801	2.648	13.3	20.8
12 7	1 48.22	+ 4 2.6	1.923	2.677	16.1	21.0
273506 2007 AJ_{28}			10 28.8	346°.19	0°.8/29.2	18
9 28	2 34.82	+16 15.3	1.093	1.990	17.4	20.6
10 8	2 30.37	+16 4.8	1.032	1.981	12.6	20.3
10 18	2 22.96	+15 38.7	0.991	1.973	6.9	20.0
10 28	2 13.76	+15 0.7	0.972	1.966	1.1	19.6
11 7	2 4.41	+14 17.9	0.978	1.960	5.5	19.9
11 17	1 56.56	+13 38.7	1.006	1.955	11.4	20.2
11 27	1 51.52	+13 11.4	1.056	1.952	16.6	20.5
12 7	1 49.99	+13 1.0	1.124	1.950	20.9	20.7
117874 Picodelteide			10 28.8	337°.00	12°.3/30.4	18
9 28	2 55.91	+26 27.8	0.927	1.783	23.4	18.1
10 8	2 47.31	+29 46.6	0.865	1.775	19.2	17.8
10 18	2 33.15	+32 51.8	0.821	1.767	15.0	17.5
10 28	2 14.61	+35 24.0	0.800	1.760	12.4	17.4
11 7	1 54.47	+37 8.4	0.802	1.754	13.4	17.4
11 17	1 36.23	+38 3.0	0.827	1.749	17.0	17.6
11 27	1 22.91	+38 20.5	0.870	1.745	21.3	17.9
12 7	1 15.92	+38 19.5	0.929	1.742	25.3	18.1
224046 2005 MW_{22}			10 28.8	76°.95	4°.7/ 1.5	16
9 28	2 42.51	+27 44.5	1.472	2.308	17.2	20.6
10 8	2 34.89	+27 31.0	1.432	2.339	13.1	20.4
10 18	2 24.92	+26 53.1	1.414	2.370	8.8	20.2
10 28	2 13.90	+25 53.0	1.421	2.400	5.3	20.1
11 7	2 3.32	+24 37.2	1.455	2.429	5.5	20.2
11 17	1 54.47	+23 15.1	1.516	2.458	8.9	20.5
11 27	1 48.28	+21 56.7	1.603	2.487	12.6	20.7
12 7	1 45.12	+20 49.8	1.711	2.515	15.8	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
213473 2002 EJ_{99}			10 28.8	180°.99	4°.9/25.3	18
	h m	° ′			°	m
9 28	2 38.19	+ 4 31.3	1.474	2.366	14.0	20.4
10 8	2 31.93	+ 3 16.0	1.421	2.367	10.0	20.2
10 18	2 23.46	+ 1 59.3	1.391	2.368	6.2	20.0
10 28	2 13.80	+ 0 49.7	1.387	2.368	5.1	19.9
11 7	2 4.22	− 0 4.6	1.411	2.367	8.1	20.1
11 17	1 55.92	− 0 37.9	1.460	2.367	12.2	20.3
11 27	1 49.86	− 0 47.4	1.531	2.366	15.9	20.6
12 7	1 46.55	− 0 33.9	1.621	2.364	19.0	20.8
167170 2003 SC_{252}			10 28.8	11°.99	2°.0/30.5	18
9 28	2 32.97	+22 47.2	1.434	2.303	15.8	18.9
10 8	2 28.43	+21 46.1	1.373	2.305	11.6	18.6
10 18	2 21.64	+20 22.5	1.334	2.308	6.9	18.4
10 28	2 13.67	+18 41.6	1.321	2.311	2.4	18.1
11 7	2 5.79	+16 52.6	1.334	2.315	4.4	18.2
11 17	1 59.20	+15 6.4	1.374	2.320	9.2	18.5
11 27	1 54.86	+13 33.2	1.438	2.326	13.5	18.8
12 7	1 53.26	+12 19.8	1.523	2.332	17.2	19.1
76083 2000 DD_{90}			10 28.8	313°.13	0°.1/28.9	18
9 28	2 35.08	+15 39.1	1.582	2.462	13.9	20.4
10 8	2 29.92	+15 13.2	1.505	2.447	10.0	20.2
10 18	2 22.52	+14 35.0	1.452	2.432	5.4	19.9
10 28	2 13.75	+13 48.2	1.424	2.418	0.5	19.5
11 7	2 4.80	+12 58.6	1.424	2.404	4.6	19.8
11 17	1 56.89	+12 12.7	1.450	2.390	9.4	20.0
11 27	1 51.07	+11 37.3	1.500	2.377	13.8	20.3
12 7	1 47.96	+11 16.6	1.571	2.364	17.4	20.5
272882 2006 BB_{97}			10 28.8	342°.16	7°.6/22.4	17
9 28	2 28.88	− 0 32.7	1.371	2.279	13.7	19.7
10 8	2 25.63	− 2 14.4	1.310	2.259	10.4	19.4
10 18	2 20.24	− 3 53.9	1.272	2.241	7.9	19.2
10 28	2 13.58	− 5 20.1	1.258	2.223	8.1	19.2
11 7	2 6.81	− 6 22.9	1.269	2.207	10.9	19.3
11 17	2 1.09	− 6 55.7	1.302	2.193	14.6	19.5
11 27	1 57.40	− 6 56.4	1.355	2.180	18.1	19.7
12 7	1 56.34	− 6 27.0	1.424	2.169	21.1	19.9
517915 2015 TT_{137}			10 28.8	341°.31	5°.3/24.7	18
9 28	2 35.00	− 0 39.1	1.917	2.803	11.6	20.7
10 8	2 29.34	− 1 21.5	1.861	2.800	8.6	20.5
10 18	2 21.98	− 1 59.5	1.829	2.797	6.0	20.3
10 28	2 13.71	− 2 27.3	1.825	2.794	5.5	20.3
11 7	2 5.47	− 2 40.4	1.848	2.792	7.6	20.4
11 17	1 58.16	− 2 36.0	1.897	2.790	10.6	20.6
11 27	1 52.56	− 2 13.4	1.970	2.788	13.5	20.8
12 7	1 49.12	− 1 33.7	2.063	2.786	16.0	21.0
224003 2005 GK_{59}			10 28.8	284°.03	8°.3/26.9	17
9 28	2 53.05	− 5 23.8	1.107	1.986	18.6	19.5
10 8	2 43.43	− 5 3.3	1.042	1.975	14.3	19.2
10 18	2 30.05	− 4 23.9	0.998	1.963	10.1	18.9
10 28	2 14.35	− 3 19.0	0.979	1.952	8.3	18.8
11 7	1 58.39	− 1 46.8	0.986	1.940	11.0	18.9
11 17	1 44.29	+ 0 9.4	1.018	1.929	15.8	19.1
11 27	1 33.70	+ 2 23.2	1.073	1.918	20.5	19.4
12 7	1 27.37	+ 4 47.9	1.145	1.907	24.4	19.6
327088 2004 XE_{8}			10 28.8	338°.94	9°.5/22.9	18
9 28	2 38.49	−12 41.2	1.772	2.636	13.4	19.5
10 8	2 31.92	−13 10.8	1.717	2.626	11.2	19.4
10 18	2 23.40	−13 23.7	1.686	2.617	9.7	19.3
10 28	2 13.82	−13 13.5	1.681	2.608	9.7	19.2
11 7	2 4.30	−12 36.7	1.700	2.600	11.3	19.3
11 17	1 55.87	−11 33.4	1.744	2.593	13.7	19.5
11 27	1 49.42	−10 6.5	1.809	2.586	16.2	19.6
12 7	1 45.44	− 8 20.8	1.894	2.580	18.4	19.8
94141 2000 YJ_{135}			10 28.8	26°.69	5°.8/ 3.8	18
9 28	2 33.57	+36 7.8	1.219	2.044	20.7	18.2
10 8	2 29.09	+34 11.5	1.161	2.057	16.5	18.0
10 18	2 21.99	+31 29.8	1.124	2.071	11.6	17.7
10 28	2 13.70	+28 9.3	1.110	2.086	7.1	17.5
11 7	2 5.86	+24 26.1	1.125	2.102	6.1	17.5
11 17	1 59.82	+20 41.8	1.167	2.119	9.7	17.8
11 27	1 56.51	+17 16.9	1.236	2.137	14.2	18.1
12 7	1 56.23	+14 25.0	1.328	2.156	18.2	18.4
105222 Oscarsaa			10 28.8	175°.01	3°.7/26.4	18
9 28	2 40.34	+ 6 26.7	1.503	2.390	14.1	19.8
10 8	2 33.45	+ 5 37.7	1.447	2.392	10.0	19.5
10 18	2 24.29	+ 4 45.8	1.414	2.394	5.7	19.3
10 28	2 13.90	+ 3 58.0	1.409	2.395	3.8	19.2
11 7	2 3.57	+ 3 20.8	1.430	2.395	7.0	19.4
11 17	1 54.55	+ 2 59.5	1.478	2.395	11.3	19.6
11 27	1 47.83	+ 2 57.1	1.549	2.395	15.2	19.9
12 7	1 43.93	+ 3 13.8	1.640	2.394	18.4	20.1

71129 1999 XQ_{176} 10 28.8 38°.18 7°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.31	− 5 44.3	1.624	2.505	13.6	17.9
10 8	2 32.48	− 6 17.8	1.580	2.510	10.5	17.8
10 18	2 23.67	− 6 40.1	1.559	2.515	8.1	17.6
10 28	2 13.85	− 6 44.8	1.564	2.521	7.7	17.6
11 7	2 4.19	− 6 28.2	1.595	2.526	9.7	17.8
11 17	1 55.79	− 5 49.3	1.651	2.532	12.6	18.0
11 27	1 49.50	− 4 49.9	1.730	2.538	15.5	18.2
12 7	1 45.78	− 3 33.4	1.828	2.545	18.0	18.4

175287 2005 LM_{11} 10 28.8 284°.42 2°.9/31.3 18

9 28	2 35.58	+23 37.3	1.907	2.755	13.4	20.2
10 8	2 30.02	+23 23.2	1.829	2.746	10.1	20.0
10 18	2 22.47	+22 52.4	1.773	2.738	6.4	19.7
10 28	2 13.76	+22 6.2	1.744	2.730	3.3	19.5
11 7	2 4.96	+21 8.7	1.743	2.721	4.2	19.6
11 17	1 57.12	+20 6.1	1.770	2.713	7.8	19.8
11 27	1 51.15	+19 5.7	1.824	2.705	11.5	20.0
12 7	1 47.62	+18 13.7	1.900	2.697	14.7	20.2

439628 2014 FO_{28} 10 28.8 232°.00 0°.9/29.5 18

9 28	2 36.19	+18 11.1	1.712	2.581	13.6	21.1
10 8	2 30.46	+17 36.8	1.645	2.580	9.8	20.9
10 18	2 22.68	+16 48.5	1.602	2.579	5.5	20.6
10 28	2 13.78	+15 49.9	1.586	2.578	1.1	20.3
11 7	2 4.88	+14 47.0	1.597	2.577	4.1	20.5
11 17	1 57.08	+13 46.6	1.636	2.576	8.6	20.8
11 27	1 51.29	+12 55.5	1.701	2.575	12.5	21.1
12 7	1 48.04	+12 18.4	1.787	2.574	15.9	21.3

449828 2014 PZ_{56} 10 28.8 99°.43 7°.6/22.0 18

9 28	2 35.15	−10 46.2	2.287	3.151	10.9	20.4
10 8	2 29.15	−11 37.6	2.248	3.157	8.9	20.3
10 18	2 21.77	−12 17.3	2.233	3.163	7.7	20.2
10 28	2 13.71	−12 39.9	2.245	3.169	7.8	20.2
11 7	2 5.78	−12 42.1	2.283	3.175	9.2	20.3
11 17	1 58.71	−12 23.0	2.347	3.181	11.2	20.5
11 27	1 53.15	−11 43.7	2.434	3.186	13.2	20.6
12 7	1 49.47	−10 46.8	2.539	3.192	14.9	20.8

241167 2007 RZ_{145} 10 28.8 35°.88 3°.9/30.7 18

9 28	2 43.21	+20 17.2	1.238	2.108	17.7	18.7
10 8	2 35.80	+21 13.5	1.200	2.131	13.1	18.5
10 18	2 25.61	+21 52.8	1.184	2.154	8.1	18.3
10 28	2 14.00	+22 14.0	1.192	2.179	4.2	18.1
11 7	2 2.68	+22 19.5	1.226	2.204	5.6	18.3
11 17	1 53.18	+22 15.0	1.286	2.230	9.9	18.6
11 27	1 46.63	+22 7.8	1.369	2.257	14.0	18.9
12 7	1 43.49	+22 4.3	1.472	2.285	17.5	19.3

452027 2014 OE_{141} 10 28.8 30°.75 8°.1/21.6 18

9 28	2 34.43	− 9 40.1	2.035	2.908	11.6	20.7
10 8	2 28.82	−10 48.6	1.993	2.909	9.5	20.5
10 18	2 21.66	−11 45.4	1.975	2.910	8.2	20.5
10 28	2 13.71	−12 23.8	1.983	2.911	8.5	20.5
11 7	2 5.85	−12 39.6	2.017	2.912	10.0	20.6
11 17	1 58.92	−12 30.9	2.075	2.914	12.2	20.7
11 27	1 53.61	−11 58.9	2.155	2.915	14.4	20.9
12 7	1 50.34	−11 6.4	2.254	2.917	16.3	21.1

76107 2000 DG_{104} 10 28.8 27°.68 2°.4/30.8 18

9 28	2 36.72	+21 12.6	2.284	3.129	11.6	19.2
10 8	2 30.51	+21 26.6	2.212	3.130	8.6	19.0
10 18	2 22.63	+21 29.4	2.165	3.131	5.4	18.8
10 28	2 13.79	+21 21.6	2.145	3.132	2.6	18.6
11 7	2 4.89	+21 5.5	2.155	3.132	3.6	18.7
11 17	1 56.82	+20 44.5	2.194	3.133	6.8	18.9
11 27	1 50.34	+20 23.2	2.260	3.134	9.9	19.1
12 7	1 45.97	+20 5.9	2.350	3.135	12.6	19.3

226418 2003 RT_{4} 10 28.8 33°.66 4°.2/ 1.2 18

9 28	2 37.04	+26 0.2	2.003	2.836	13.4	19.8
10 8	2 30.95	+26 22.8	1.938	2.843	10.4	19.7
10 18	2 22.92	+26 29.4	1.896	2.850	7.1	19.5
10 28	2 13.82	+26 19.6	1.881	2.857	4.6	19.3
11 7	2 4.69	+25 55.8	1.893	2.865	4.9	19.4
11 17	1 56.57	+25 22.6	1.934	2.872	7.6	19.6
11 27	1 50.33	+24 45.9	2.001	2.881	10.7	19.8
12 7	1 46.51	+24 11.8	2.090	2.889	13.5	20.0

39705 1996 TO_{18} 10 28.8 108°.63 0°.3/29.0 18

9 28	2 42.00	+15 10.9	1.480	2.354	15.1	18.6
10 8	2 34.64	+15 2.0	1.428	2.366	10.7	18.4
10 18	2 24.92	+14 42.2	1.400	2.379	5.8	18.2
10 28	2 13.97	+14 14.6	1.397	2.391	0.6	17.8
11 7	2 3.18	+13 44.5	1.423	2.402	4.7	18.2
11 17	1 53.84	+13 17.5	1.475	2.414	9.5	18.5
11 27	1 46.95	+12 59.2	1.552	2.425	13.7	18.8
12 7	1 43.03	+12 53.1	1.650	2.435	17.1	19.0

248060 2004 LE_{31} 10 28.8 151°.91 2°.5/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.62	+10 34.7	1.844	2.724	12.3	20.9
10 8	2 30.47	+ 9 8.1	1.788	2.731	8.5	20.7
10 18	2 22.58	+ 7 34.3	1.758	2.738	4.6	20.5
10 28	2 13.80	+ 6 0.3	1.756	2.745	2.6	20.4
11 7	2 5.14	+ 4 34.1	1.784	2.751	5.7	20.6
11 17	1 57.56	+ 3 22.3	1.841	2.756	9.5	20.9
11 27	1 51.82	+ 2 29.6	1.922	2.761	12.9	21.1
12 7	1 48.36	+ 1 57.7	2.024	2.765	15.8	21.3

20748 2000 AP_{186} 10 28.8 273°.41 5°.3/24.0 18

9 28	2 33.75	− 1 17.5	2.166	3.049	10.6	18.2
10 8	2 28.34	− 2 13.1	2.107	3.043	7.9	18.0
10 18	2 21.43	− 3 4.8	2.074	3.038	5.7	17.9
10 28	2 13.71	− 3 46.7	2.069	3.033	5.5	17.8
11 7	2 6.00	− 4 14.2	2.091	3.028	7.4	17.9
11 17	1 59.10	− 4 24.4	2.141	3.023	10.1	18.1
11 27	1 53.68	− 4 16.1	2.214	3.018	12.7	18.3
12 7	1 50.20	− 3 50.1	2.308	3.013	15.0	18.4

74347 1998 VB_{49} 10 28.8 340°.21 2°.0/27.9 18

9 28	2 41.62	+ 7 15.1	1.510	2.394	14.3	18.9
10 8	2 34.56	+ 7 39.4	1.443	2.387	10.1	18.6
10 18	2 25.02	+ 8 3.7	1.399	2.380	5.5	18.4
10 28	2 14.00	+ 8 30.1	1.383	2.374	2.0	18.1
11 7	2 2.83	+ 9 1.0	1.394	2.369	5.6	18.3
11 17	1 52.87	+ 9 38.3	1.432	2.364	10.3	18.6
11 27	1 45.25	+10 23.6	1.494	2.360	14.5	18.9
12 7	1 40.61	+11 17.8	1.577	2.356	18.0	19.1

237400 1998 MT_{1} 10 28.8 206°.74 3°.8/25.9 18

9 28	2 37.14	+ 4 30.7	1.843	2.727	12.1	20.7
10 8	2 30.93	+ 3 45.9	1.782	2.725	8.6	20.5
10 18	2 22.88	+ 3 0.8	1.746	2.722	5.2	20.3
10 28	2 13.83	+ 2 20.7	1.737	2.720	3.9	20.2
11 7	2 4.79	+ 1 51.1	1.757	2.717	6.5	20.4
11 17	1 56.75	+ 1 36.0	1.804	2.713	10.1	20.6
11 27	1 50.53	+ 1 37.6	1.875	2.710	13.4	20.8
12 7	1 46.65	+ 1 56.1	1.967	2.706	16.2	21.0

227978 2007 HD_{81} 10 28.8 31°.20 0°.3/29.0 18

9 28	2 35.62	+14 53.7	1.917	2.789	12.2	20.2
10 8	2 29.83	+14 47.3	1.858	2.796	8.7	20.0
10 18	2 22.28	+14 32.8	1.823	2.802	4.7	19.7
10 28	2 13.78	+14 12.5	1.816	2.810	0.5	19.4
11 7	2 5.32	+13 50.3	1.838	2.817	3.8	19.7
11 17	1 57.85	+13 30.4	1.887	2.825	7.8	20.0
11 27	1 52.16	+13 16.8	1.962	2.833	11.3	20.2
12 7	1 48.72	+13 12.6	2.060	2.842	14.2	20.4

264389 2000 DF_{91} 10 28.8 140°.73 1°.5/30.4 18

9 28	2 34.37	+20 17.8	2.684	3.529	10.0	21.6
10 8	2 28.59	+20 3.0	2.616	3.536	7.3	21.5
10 18	2 21.50	+19 38.3	2.574	3.544	4.3	21.3
10 28	2 13.72	+19 5.4	2.561	3.551	1.7	21.1
11 7	2 5.98	+18 27.3	2.578	3.557	2.9	21.2
11 17	1 58.95	+17 47.8	2.626	3.564	5.9	21.4
11 27	1 53.26	+17 10.9	2.701	3.570	8.6	21.6
12 7	1 49.30	+16 40.3	2.801	3.576	11.0	21.8

475333 2006 AR_{28} 10 28.8 354°.09 1°.5/29.6 18

9 28	2 35.19	+16 41.7	1.092	1.988	17.5	20.4
10 8	2 30.66	+16 52.1	1.034	1.981	12.7	20.1
10 18	2 23.16	+16 48.0	0.995	1.975	7.2	19.8
10 28	2 13.87	+16 31.5	0.979	1.971	1.8	19.4
11 7	2 4.44	+16 8.0	0.986	1.968	5.4	19.7
11 17	1 56.52	+15 44.6	1.017	1.967	11.1	20.0
11 27	1 51.45	+15 29.0	1.069	1.968	16.2	20.3
12 7	1 49.90	+15 26.3	1.139	1.969	20.4	20.6

81621 2000 HF_{73} 10 28.8 217°.35 5°.4/23.5 18

9 28	2 34.18	− 0 28.0	2.155	3.038	10.6	20.6
10 8	2 28.65	− 1 49.1	2.096	3.033	7.9	20.4
10 18	2 21.61	− 3 7.5	2.062	3.027	5.8	20.2
10 28	2 13.74	− 4 16.7	2.058	3.020	5.6	20.2
11 7	2 5.88	− 5 10.8	2.081	3.013	7.7	20.3
11 17	1 58.82	− 5 45.7	2.131	3.006	10.4	20.5
11 27	1 53.27	− 5 59.6	2.205	2.999	13.1	20.7
12 7	1 49.68	− 5 53.3	2.299	2.991	15.4	20.8

303660 2005 LZ_{44} 10 28.8 12°.58 1°.4/27.6 18

9 28	2 31.96	+14 40.1	1.491	2.381	14.1	19.3
10 8	2 27.57	+13 11.7	1.436	2.383	9.8	19.0
10 18	2 21.17	+11 29.9	1.403	2.386	5.1	18.7
10 28	2 13.71	+ 9 42.9	1.398	2.390	1.5	18.5
11 7	2 6.35	+ 8 0.5	1.420	2.395	5.5	18.8
11 17	2 0.16	+ 6 32.0	1.468	2.400	10.1	19.1
11 27	1 56.01	+ 5 24.4	1.540	2.406	14.1	19.3
12 7	1 54.37	+ 4 40.4	1.632	2.412	17.4	19.6

421797 2014 QP_{29} 10 28.8 71°.53 0°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.24	+13 29.9	2.126	3.001	11.1	21.1
10 8	2 27.93	+12 35.8	2.074	3.014	7.7	20.9
10 18	2 21.18	+11 34.4	2.047	3.028	4.0	20.7
10 28	2 13.71	+10 30.1	2.050	3.042	0.9	20.5
11 7	2 6.37	+ 9 28.5	2.081	3.056	4.0	20.8
11 17	1 59.94	+ 8 34.6	2.141	3.070	7.6	21.0
11 27	1 55.05	+ 7 52.6	2.228	3.084	10.7	21.3
12 7	1 52.11	+ 7 24.8	2.337	3.098	13.3	21.5

383131 2005 UX 10 28.8 24°.61 3°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.41	+ 7 52.7	0.935	1.849	17.9	19.5
10 8	2 30.55	+ 7 14.5	0.905	1.864	12.5	19.3
10 18	2 22.87	+ 6 33.0	0.895	1.880	6.8	19.0
10 28	2 13.84	+ 5 56.4	0.908	1.897	3.8	18.9
11 7	2 5.19	+ 5 32.9	0.943	1.917	7.8	19.2
11 17	1 58.41	+ 5 27.7	1.000	1.937	12.9	19.6
11 27	1 54.55	+ 5 43.3	1.077	1.959	17.5	19.9
12 7	1 53.99	+ 6 18.4	1.171	1.983	21.1	20.3

187826 1999 US_{32} 10 28.8 71°.80 0°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.79	+15 57.2	2.059	2.927	11.7	20.3
10 8	2 29.14	+15 30.8	2.000	2.936	8.3	20.1
10 18	2 21.88	+14 55.1	1.966	2.945	4.5	19.9
10 28	2 13.78	+14 13.5	1.961	2.954	0.5	19.6
11 7	2 5.75	+13 30.2	1.984	2.963	3.6	19.9
11 17	1 58.66	+12 50.2	2.035	2.972	7.4	20.1
11 27	1 53.22	+12 18.0	2.113	2.981	10.7	20.4
12 7	1 49.88	+11 56.7	2.214	2.990	13.5	20.6

117364 2004 XM_{105} 10 28.8 358°.92 3°.5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.03	+26 25.7	2.121	2.954	12.8	19.3
10 8	2 28.75	+26 6.7	2.047	2.953	9.8	19.1
10 18	2 21.73	+25 30.4	1.996	2.953	6.6	19.0
10 28	2 13.77	+24 38.0	1.973	2.953	3.9	18.8
11 7	2 5.80	+23 33.6	1.978	2.953	4.2	18.8
11 17	1 58.75	+22 23.1	2.011	2.953	7.1	19.0
11 27	1 53.40	+21 13.4	2.071	2.953	10.3	19.2
12 7	1 50.24	+20 10.7	2.155	2.954	13.1	19.4

461199 2015 VF_{113} 10 28.8 27°.37 5°.8/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.60	− 1 44.2	1.719	2.606	12.7	19.8
10 8	2 30.53	− 2 13.4	1.675	2.614	9.4	19.6
10 18	2 22.64	− 2 35.7	1.655	2.622	6.6	19.5
10 28	2 13.85	− 2 45.7	1.662	2.631	5.9	19.5
11 7	2 5.21	− 2 39.5	1.695	2.641	8.0	19.6
11 17	1 57.70	− 2 15.6	1.755	2.651	11.1	19.8
11 27	1 52.11	− 1 34.0	1.838	2.662	14.1	20.0
12 7	1 48.87	− 0 37.0	1.940	2.673	16.6	20.3

377277 2004 EU_{7} 10 28.8 237°.82 2°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.03	+19 12.1	1.710	2.566	14.2	20.9
10 8	2 34.84	+19 27.0	1.630	2.557	10.5	20.7
10 18	2 25.22	+19 29.2	1.575	2.546	6.3	20.4
10 28	2 14.07	+19 19.1	1.546	2.536	2.5	20.1
11 7	2 2.68	+18 59.6	1.545	2.525	4.4	20.2
11 17	1 52.37	+18 35.4	1.573	2.513	8.9	20.5
11 27	1 44.26	+18 12.8	1.627	2.501	13.0	20.7
12 7	1 39.05	+17 57.4	1.701	2.489	16.5	20.9

348345 2005 EM_{84} 10 28.8 193°.07 3°.4/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.24	+ 4 13.6	2.313	3.190	10.2	21.8
10 8	2 30.03	+ 3 25.2	2.249	3.188	7.3	21.6
10 18	2 22.33	+ 2 36.3	2.211	3.186	4.4	21.4
10 28	2 13.83	+ 1 51.9	2.202	3.183	3.5	21.4
11 7	2 5.35	+ 1 16.2	2.223	3.179	5.7	21.5
11 17	1 57.66	+ 0 53.0	2.273	3.175	8.7	21.7
11 27	1 51.45	+ 0 44.3	2.348	3.170	11.5	21.9
12 7	1 47.15	+ 0 50.7	2.445	3.164	13.9	22.0

399754 2005 HH_{2} 10 28.8 236°.85 2°.3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.67	+ 9 50.8	2.142	3.020	10.9	21.7
10 8	2 29.10	+ 8 38.7	2.065	3.008	7.6	21.5
10 18	2 21.92	+ 7 20.0	2.015	2.996	4.2	21.3
10 28	2 13.82	+ 6 0.1	1.994	2.983	2.4	21.1
11 7	2 5.66	+ 4 45.4	2.003	2.969	5.2	21.3
11 17	1 58.30	+ 3 41.7	2.041	2.955	8.8	21.5
11 27	1 52.47	+ 2 53.8	2.104	2.941	12.0	21.7
12 7	1 48.68	+ 2 23.7	2.189	2.926	14.8	21.9

213362 2001 TX_{132} 10 28.8 100°.36 3°.3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.52	+24 56.2	2.112	2.944	12.8	20.4
10 8	2 31.77	+24 53.5	2.055	2.963	9.7	20.3
10 18	2 23.28	+24 35.3	2.023	2.981	6.4	20.1
10 28	2 13.92	+24 2.6	2.018	2.999	3.6	20.0
11 7	2 4.69	+23 19.0	2.042	3.017	4.1	20.0
11 17	1 56.53	+22 29.7	2.096	3.035	7.0	20.2
11 27	1 50.20	+21 40.7	2.176	3.052	10.1	20.5
12 7	1 46.15	+20 57.6	2.280	3.069	12.8	20.7

387767 2003 SM_{330} 10 28.8 173°.64 2°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.02	+20 49.9	1.867	2.715	13.6	20.7
10 8	2 34.61	+21 20.1	1.797	2.716	10.2	20.5
10 18	2 25.00	+21 37.9	1.750	2.717	6.3	20.3
10 28	2 14.08	+21 42.7	1.731	2.717	3.2	20.1
11 7	2 3.04	+21 36.5	1.741	2.718	4.4	20.2
11 17	1 53.07	+21 23.2	1.779	2.718	8.1	20.4
11 27	1 45.19	+21 8.3	1.844	2.718	11.8	20.6
12 7	1 39.99	+20 57.0	1.931	2.718	14.9	20.8

521879 2015 TO_{380} 10 28.8 332°.79 8°.0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.89	− 7 45.8	1.954	2.834	11.7	20.9
10 8	2 27.87	− 9 10.0	1.906	2.830	9.4	20.8
10 18	2 21.25	−10 24.4	1.884	2.826	8.1	20.7
10 28	2 13.78	−11 21.4	1.887	2.822	8.4	20.7
11 7	2 6.34	−11 55.5	1.917	2.818	10.2	20.8
11 17	1 59.80	−12 4.0	1.970	2.815	12.5	21.0
11 27	1 54.88	−11 47.2	2.045	2.812	14.9	21.1
12 7	1 52.02	−11 7.8	2.137	2.809	16.9	21.3

458426 2011 AV_{33} 10 28.8 111°.49 7°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.74	−12 6.9	2.461	3.319	10.4	21.0
10 8	2 28.82	−13 0.2	2.425	3.328	8.6	20.9
10 18	2 21.62	−13 41.5	2.414	3.336	7.6	20.9
10 28	2 13.81	−14 5.9	2.430	3.345	7.8	20.9
11 7	2 6.12	−14 10.3	2.473	3.353	9.1	21.0
11 17	1 59.26	−13 53.8	2.540	3.361	10.8	21.1
11 27	1 53.80	−13 17.5	2.631	3.369	12.6	21.3
12 7	1 50.10	−12 24.0	2.740	3.377	14.2	21.4

86902 2000 HQ_{45} 10 28.8 34°.39 2°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.19	+ 9 43.6	1.124	2.025	16.7	17.9
10 8	2 32.29	+ 9 19.9	1.088	2.040	11.7	17.6
10 18	2 23.78	+ 8 50.5	1.072	2.055	6.2	17.4
10 28	2 13.99	+ 8 21.6	1.080	2.072	2.3	17.2
11 7	2 4.50	+ 7 59.7	1.113	2.089	6.4	17.5
11 17	1 56.72	+ 7 50.3	1.170	2.107	11.5	17.9
11 27	1 51.67	+ 7 56.9	1.249	2.126	15.9	18.2
12 7	1 49.79	+ 8 19.9	1.346	2.145	19.5	18.5

160500 2007 DC_{32} 10 28.8 328°.08 1°.0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.25	+16 39.5	1.217	2.107	16.6	20.5
10 8	2 31.35	+16 33.6	1.147	2.092	12.1	20.2
10 18	2 23.58	+16 12.9	1.097	2.077	6.8	19.9
10 28	2 14.00	+15 40.2	1.071	2.064	1.3	19.5
11 7	2 4.14	+15 1.3	1.069	2.051	5.2	19.7
11 17	1 55.60	+14 23.9	1.092	2.039	10.9	20.0
11 27	1 49.71	+13 55.9	1.137	2.028	16.0	20.3
12 7	1 47.24	+13 43.1	1.200	2.018	20.3	20.5

362924 2012 DW_{18} 10 28.8 64°.21 5°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.16	− 0 25.1	2.067	2.951	10.9	20.2
10 8	2 28.65	− 1 19.9	2.018	2.956	8.1	20.0
10 18	2 21.62	− 2 10.6	1.994	2.961	5.7	19.9
10 28	2 13.83	− 2 51.6	1.998	2.965	5.3	19.9
11 7	2 6.12	− 3 18.2	2.029	2.970	7.3	20.0
11 17	1 59.29	− 3 27.7	2.088	2.975	10.0	20.2
11 27	1 54.04	− 3 19.0	2.170	2.980	12.7	20.4
12 7	1 50.78	− 2 53.1	2.272	2.985	15.0	20.6

24365 2000 AE_{124} 10 28.8 352°.97 6°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.58	− 0 12.2	1.428	2.328	13.9	17.0
10 8	2 28.80	− 1 33.0	1.378	2.324	10.3	16.8
10 18	2 21.90	− 2 49.5	1.352	2.321	7.5	16.6
10 28	2 13.86	− 3 52.5	1.350	2.318	7.2	16.6
11 7	2 5.86	− 4 34.0	1.373	2.316	9.8	16.8
11 17	1 59.04	− 4 49.5	1.421	2.315	13.3	17.0
11 27	1 54.33	− 4 38.0	1.489	2.315	16.7	17.2
12 7	1 52.23	− 4 1.9	1.574	2.315	19.6	17.4

503796 2017 CW_{6} 10 28.8 329°.94 5°.0/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.30	+25 47.1	1.571	2.420	15.7	20.5
10 8	2 31.07	+26 10.9	1.492	2.406	12.2	20.2
10 18	2 23.32	+26 15.4	1.434	2.393	8.4	20.0
10 28	2 13.98	+25 59.6	1.401	2.380	5.4	19.8
11 7	2 4.36	+25 25.8	1.394	2.368	5.8	19.8
11 17	1 55.83	+24 39.8	1.412	2.356	9.2	19.9
11 27	1 49.60	+23 50.0	1.455	2.346	13.2	20.1
12 7	1 46.36	+23 4.7	1.519	2.336	16.8	20.3

316067 2009 HC_{83} 10 28.9 159°.24 1°.0/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.31	+12 33.6	1.579	2.455	14.2	22.0
10 8	2 34.14	+12 4.5	1.520	2.461	10.0	21.8
10 18	2 24.72	+11 26.9	1.485	2.466	5.3	21.6
10 28	2 14.09	+10 45.2	1.477	2.470	1.0	21.3
11 7	2 3.52	+10 5.2	1.498	2.474	5.1	21.6
11 17	1 54.25	+ 9 32.7	1.546	2.477	9.7	21.9
11 27	1 47.26	+ 9 12.7	1.618	2.480	13.8	22.1
12 7	1 43.07	+ 9 7.6	1.711	2.482	17.1	22.3

284111 2005 TK_8 10 28.9 161°.72 1°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.44	+11 43.3	1.868	2.742	12.4	21.5
10 8	2 31.84	+10 59.3	1.807	2.748	8.7	21.3
10 18	2 23.40	+10 8.3	1.772	2.753	4.6	21.0
10 28	2 13.98	+ 9 14.8	1.765	2.757	1.4	20.8
11 7	2 4.64	+ 8 24.7	1.787	2.761	4.8	21.1
11 17	1 56.36	+ 7 43.2	1.838	2.764	8.8	21.3
11 27	1 49.96	+ 7 14.6	1.914	2.767	12.4	21.6
12 7	1 45.92	+ 7 1.3	2.011	2.769	15.3	21.8

123984 2001 FQ_{51} 10 28.9 106°.64 4°.2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.85	+ 3 44.2	2.283	3.169	10.0	19.1
10 8	2 26.93	+ 2 5.4	2.230	3.172	7.1	19.0
10 18	2 20.69	+ 0 25.9	2.204	3.176	4.7	18.8
10 28	2 13.77	− 1 7.4	2.208	3.180	4.4	18.8
11 7	2 6.91	− 2 28.2	2.241	3.184	6.5	19.0
11 17	2 0.82	− 3 31.6	2.302	3.188	9.3	19.1
11 27	1 56.11	− 4 15.1	2.388	3.191	11.9	19.3
12 7	1 53.17	− 4 38.2	2.494	3.195	14.1	19.5

173555 2000 YY_{107} 10 28.9 337°.80 0°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.08	+13 37.0	1.204	2.097	16.5	19.5
10 8	2 32.50	+13 18.4	1.144	2.091	11.7	19.2
10 18	2 24.10	+12 48.3	1.104	2.086	6.3	18.9
10 28	2 14.05	+12 11.2	1.088	2.082	0.7	18.5
11 7	2 3.90	+11 34.0	1.098	2.078	5.7	18.8
11 17	1 55.21	+11 4.0	1.132	2.074	11.2	19.1
11 27	1 49.22	+10 47.5	1.188	2.071	16.1	19.4
12 7	1 46.57	+10 48.1	1.263	2.069	20.2	19.7

132327 2002 GA_{24} 10 28.9 99°.48 0°.7/29.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.15	+16 49.6	1.752	2.620	13.4	20.1
10 8	2 31.75	+16 30.4	1.695	2.630	9.6	19.9
10 18	2 23.38	+15 59.8	1.663	2.640	5.3	19.6
10 28	2 13.98	+15 21.1	1.657	2.650	0.9	19.4
11 7	2 4.68	+14 39.1	1.680	2.660	4.0	19.6
11 17	1 56.54	+13 59.4	1.730	2.669	8.3	19.9
11 27	1 50.41	+13 27.6	1.807	2.678	12.1	20.2
12 7	1 46.79	+13 7.4	1.905	2.688	15.2	20.4

126333 2002 AQ_{152} 10 28.9 117°.26 8°.2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.44	− 9 4.0	1.993	2.862	12.0	19.9
10 8	2 30.85	−10 29.5	1.966	2.881	9.7	19.8
10 18	2 22.74	−11 42.5	1.964	2.898	8.3	19.8
10 28	2 13.93	−12 36.0	1.989	2.916	8.5	19.8
11 7	2 5.35	−13 5.5	2.040	2.932	10.1	19.9
11 17	1 57.85	−13 9.6	2.116	2.948	12.3	20.1
11 27	1 52.10	−12 49.4	2.214	2.964	14.4	20.3
12 7	1 48.46	−12 8.4	2.330	2.979	16.2	20.5

61025 2000 KU_{52} 10 28.9 297°.03 0°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.11	+16 42.7	1.765	2.639	13.0	19.0
10 8	2 29.10	+15 53.5	1.684	2.623	9.3	18.7
10 18	2 22.10	+14 50.5	1.628	2.607	5.1	18.5
10 28	2 13.90	+13 38.0	1.598	2.592	0.4	18.1
11 7	2 5.57	+12 22.6	1.597	2.576	4.3	18.4
11 17	1 58.17	+11 11.7	1.623	2.560	8.8	18.6
11 27	1 52.63	+10 12.3	1.674	2.545	12.9	18.8
12 7	1 49.54	+ 9 29.2	1.746	2.530	16.3	19.0

23291 2000 YB_{128} 10 28.9 32°.26 0°.8/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.07	+16 18.3	1.157	2.046	17.3	18.6
10 8	2 33.12	+16 10.5	1.108	2.053	12.4	18.3
10 18	2 24.37	+15 48.2	1.080	2.060	6.8	18.0
10 28	2 14.08	+15 15.1	1.075	2.068	1.1	17.7
11 7	2 3.90	+14 37.8	1.095	2.076	5.2	18.0
11 17	1 55.38	+14 3.8	1.140	2.086	10.7	18.4
11 27	1 49.70	+13 40.3	1.207	2.095	15.5	18.7
12 7	1 47.39	+13 31.6	1.293	2.105	19.4	19.0

220754 2004 TV_{85} 10 28.9 60°.96 1°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.56	+12 4.8	1.988	2.868	11.5	20.5
10 8	2 28.30	+11 11.7	1.934	2.877	8.0	20.3
10 18	2 21.47	+10 11.9	1.906	2.887	4.2	20.1
10 28	2 13.84	+ 9 10.2	1.905	2.897	1.4	19.9
11 7	2 6.32	+ 8 12.4	1.934	2.907	4.5	20.1
11 17	1 59.74	+ 7 23.7	1.990	2.918	8.2	20.4
11 27	1 54.80	+ 6 48.1	2.072	2.928	11.4	20.6
12 7	1 51.92	+ 6 27.7	2.176	2.938	14.2	20.8

369537 2010 XO_{88} 10 28.9 204°.05 3°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.11	+27 50.7	3.108	3.916	9.7	21.4
10 8	2 28.42	+27 34.2	3.020	3.910	7.6	21.2
10 18	2 21.48	+27 4.6	2.958	3.905	5.3	21.0
10 28	2 13.85	+26 22.7	2.925	3.898	3.4	20.9
11 7	2 6.19	+25 30.7	2.922	3.892	3.4	20.9
11 17	1 59.16	+24 32.5	2.949	3.885	5.4	21.0
11 27	1 53.33	+23 32.7	3.005	3.877	7.8	21.2
12 7	1 49.12	+22 35.7	3.087	3.869	10.0	21.3

268759 2006 RY_{90} 10 28.9 344°.61 0°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.77	+16 15.3	1.028	1.928	18.0	20.9
10 8	2 30.57	+16 10.1	0.967	1.917	13.0	20.6
10 18	2 23.26	+15 48.9	0.925	1.907	7.3	20.3
10 28	2 14.02	+15 15.3	0.905	1.898	1.2	19.9
11 7	2 4.56	+14 36.0	0.908	1.891	5.7	20.1
11 17	1 56.64	+13 59.8	0.934	1.885	11.8	20.4
11 27	1 51.67	+13 35.3	0.981	1.880	17.2	20.7
12 7	1 50.37	+13 27.8	1.044	1.877	21.6	21.0

123903 2001 DC_{70} 10 28.9 176°.86 2°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.52	+24 7.3	2.353	3.188	11.6	20.1
10 8	2 29.69	+24 4.2	2.279	3.188	8.8	19.9
10 18	2 22.26	+23 47.5	2.229	3.189	5.7	19.7
10 28	2 13.93	+23 18.1	2.206	3.189	3.2	19.6
11 7	2 5.56	+22 39.0	2.213	3.189	3.7	19.6
11 17	1 58.01	+21 54.4	2.249	3.189	6.6	19.8
11 27	1 52.01	+21 9.7	2.313	3.189	9.6	20.0
12 7	1 48.05	+20 29.8	2.400	3.189	12.2	20.2

19373 1997 YC_{14} 10 28.9 96°.98 4°.4/31.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.66	+25 50.3	1.477	2.321	16.8	17.5
10 8	2 35.25	+25 50.2	1.427	2.340	12.8	17.3
10 18	2 25.34	+25 28.0	1.398	2.358	8.4	17.1
10 28	2 14.17	+24 44.6	1.395	2.376	4.9	16.9
11 7	2 3.22	+23 45.4	1.418	2.394	5.4	17.0
11 17	1 53.89	+22 38.6	1.469	2.411	9.1	17.3
11 27	1 47.18	+21 33.8	1.544	2.428	13.0	17.5
12 7	1 43.59	+20 38.8	1.641	2.445	16.4	17.8

480994 2004 CQ_{27} 10 28.9 293°.94 6°.0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.49	+30 3.3	1.827	2.646	15.1	20.9
10 8	2 32.41	+30 28.4	1.746	2.637	12.1	20.6
10 18	2 23.97	+30 33.0	1.688	2.629	8.9	20.4
10 28	2 14.07	+30 15.0	1.655	2.620	6.4	20.3
11 7	2 3.97	+29 36.5	1.648	2.612	6.3	20.3
11 17	1 54.92	+28 42.7	1.668	2.604	8.8	20.4
11 27	1 48.03	+27 41.7	1.714	2.596	12.0	20.6
12 7	1 43.96	+26 42.1	1.782	2.588	15.2	20.8

21100 1992 OB 10 28.9 89°.73 2°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.74	+ 6 15.4	2.287	3.159	10.5	18.3
10 8	2 31.68	+ 6 9.0	2.240	3.178	7.4	18.1
10 18	2 23.19	+ 6 2.2	2.220	3.198	4.1	17.9
10 28	2 14.00	+ 5 57.6	2.229	3.217	2.2	17.8
11 7	2 4.97	+ 5 58.2	2.268	3.236	4.5	18.0
11 17	1 56.88	+ 6 5.9	2.337	3.255	7.7	18.3
11 27	1 50.37	+ 6 22.3	2.433	3.273	10.5	18.5
12 7	1 45.84	+ 6 48.0	2.551	3.291	12.9	18.7

394537 2007 TS_{449} 10 28.9 11°.67 3°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.05	+ 6 50.8	1.522	2.413	13.7	20.4
10 8	2 31.19	+ 6 24.6	1.467	2.415	9.7	20.2
10 18	2 23.18	+ 5 56.3	1.436	2.416	5.4	19.9
10 28	2 14.01	+ 5 31.3	1.430	2.419	3.1	19.8
11 7	2 4.88	+ 5 14.7	1.452	2.421	6.3	20.0
11 17	1 56.96	+ 5 10.8	1.499	2.424	10.5	20.3
11 27	1 51.17	+ 5 22.1	1.570	2.428	14.3	20.5
12 7	1 48.06	+ 5 49.0	1.661	2.432	17.5	20.8

232916 2004 YV_{25} 10 28.9 355°.23 5°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.77	− 0 8.4	2.064	2.949	10.9	20.3
10 8	2 28.45	− 0 55.6	2.009	2.948	8.0	20.1
10 18	2 21.59	− 1 39.1	1.979	2.947	5.6	20.0
10 28	2 13.91	− 2 13.5	1.976	2.946	5.1	20.0
11 7	2 6.26	− 2 34.3	2.002	2.946	7.1	20.1
11 17	1 59.47	− 2 38.6	2.053	2.945	10.0	20.3
11 27	1 54.23	− 2 25.4	2.129	2.945	12.7	20.4
12 7	1 50.98	− 1 55.5	2.226	2.946	15.1	20.6

236530 2006 HF_{16} 10 28.9 151°.43 1°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.65	+12 28.2	2.096	2.968	11.4	21.0
10 8	2 30.44	+11 42.2	2.036	2.975	8.0	20.8
10 18	2 22.64	+10 49.2	2.002	2.982	4.2	20.6
10 28	2 14.00	+ 9 53.5	1.996	2.989	1.1	20.3
11 7	2 5.44	+ 9 0.3	2.020	2.995	4.2	20.6
11 17	1 57.82	+ 8 14.5	2.074	3.000	7.9	20.8
11 27	1 51.85	+ 7 40.4	2.153	3.005	11.2	21.0
12 7	1 47.98	+ 7 20.1	2.255	3.010	14.0	21.3

65387 2002 QM_{42} 10 28.9 86°.98 1°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.28	+11 5.2	2.316	3.188	10.4	19.6
10 8	2 29.34	+10 44.9	2.262	3.201	7.3	19.4
10 18	2 22.00	+10 20.2	2.234	3.214	3.8	19.2
10 28	2 13.95	+ 9 54.1	2.235	3.227	1.0	19.0
11 7	2 5.99	+ 9 30.2	2.266	3.240	3.8	19.3
11 17	1 58.87	+ 9 11.7	2.325	3.253	7.1	19.5
11 27	1 53.23	+ 9 1.6	2.412	3.266	10.1	19.7
12 7	1 49.47	+ 9 1.6	2.521	3.279	12.6	19.9

322697 1999 XE_{149} 10 28.9 217°.02 1°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.87	+21 36.0	2.368	3.215	11.1	20.7
10 8	2 28.50	+21 3.2	2.291	3.212	8.2	20.5
10 18	2 21.63	+20 17.3	2.239	3.209	4.9	20.3
10 28	2 13.93	+19 20.8	2.216	3.205	2.0	20.1
11 7	2 6.21	+18 17.8	2.222	3.202	3.2	20.2
11 17	1 59.28	+17 13.5	2.258	3.198	6.5	20.4
11 27	1 53.82	+16 13.6	2.321	3.194	9.7	20.6
12 7	1 50.29	+15 22.6	2.408	3.190	12.4	20.8

511438 2014 JE_{14} 10 28.9 197°.58 3°.7/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.19	+ 4 46.7	1.857	2.743	11.9	21.5
10 8	2 30.30	+ 4 0.8	1.799	2.742	8.5	21.2
10 18	2 22.64	+ 3 14.4	1.765	2.742	5.1	21.0
10 28	2 14.02	+ 2 32.9	1.759	2.741	3.8	21.0
11 7	2 5.42	+ 2 1.7	1.781	2.741	6.4	21.1
11 17	1 57.81	+ 1 44.7	1.830	2.740	9.9	21.3
11 27	1 51.98	+ 1 44.2	1.903	2.740	13.2	21.6
12 7	1 48.40	+ 2 0.6	1.997	2.739	15.9	21.8

473586 2015 XU_{237} 10 28.9 151°.19 1°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.13	+10 29.3	2.449	3.322	9.9	21.5
10 8	2 28.54	+10 0.2	2.385	3.325	6.9	21.3
10 18	2 21.60	+ 9 26.8	2.348	3.328	3.6	21.1
10 28	2 13.93	+ 8 52.4	2.339	3.331	1.3	20.9
11 7	2 6.29	+ 8 20.9	2.360	3.333	3.9	21.1
11 17	1 59.39	+ 7 55.6	2.411	3.336	7.1	21.3
11 27	1 53.85	+ 7 39.4	2.488	3.338	10.0	21.5
12 7	1 50.09	+ 7 34.2	2.588	3.340	12.4	21.7

446469 2014 JY_{78} 10 28.9 137°.38 1°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.43	+10 57.2	2.148	3.018	11.2	21.2
10 8	2 31.67	+10 42.6	2.088	3.026	7.8	21.0
10 18	2 23.30	+10 23.4	2.055	3.035	4.1	20.7
10 28	2 14.07	+10 2.4	2.051	3.043	1.1	20.5
11 7	2 4.91	+ 9 43.4	2.076	3.051	4.1	20.8
11 17	1 56.68	+ 9 29.6	2.131	3.059	7.7	21.0
11 27	1 50.12	+ 9 24.2	2.212	3.066	10.9	21.2
12 7	1 45.67	+ 9 29.0	2.316	3.072	13.6	21.4

97007 1999 TU_{250} 10 28.9 304°.25 2°.8/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.52	+23 25.1	1.648	2.504	14.7	19.3
10 8	2 30.26	+22 55.3	1.573	2.496	11.1	19.1
10 18	2 22.80	+22 5.5	1.520	2.488	6.9	18.8
10 28	2 14.04	+20 58.3	1.492	2.480	3.2	18.6
11 7	2 5.20	+19 39.3	1.492	2.472	4.4	18.6
11 17	1 57.47	+18 16.9	1.520	2.465	8.6	18.9
11 27	1 51.85	+17 0.1	1.572	2.458	12.7	19.1
12 7	1 48.92	+15 56.1	1.647	2.451	16.3	19.3

20755 2000 BX_{6} 10 28.9 91°.39 1°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.26	+18 47.7	2.317	3.165	11.3	17.8
10 8	2 32.23	+19 6.7	2.257	3.179	8.2	17.7
10 18	2 23.60	+19 16.3	2.223	3.193	4.9	17.5
10 28	2 14.11	+19 17.2	2.218	3.207	1.9	17.3
11 7	2 4.65	+19 11.6	2.243	3.221	3.4	17.4
11 17	1 56.10	+19 2.5	2.297	3.235	6.6	17.7
11 27	1 49.19	+18 53.8	2.380	3.248	9.7	17.9
12 7	1 44.37	+18 49.0	2.486	3.262	12.2	18.1

396137 2013 DD_{2} 10 28.9 130°.06 5°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.24	− 1 31.5	2.132	3.013	10.8	21.2
10 8	2 29.36	− 2 40.1	2.088	3.023	8.1	21.1
10 18	2 22.03	− 3 43.9	2.070	3.032	5.9	21.0
10 28	2 13.98	− 4 36.8	2.079	3.041	5.7	21.0
11 7	2 6.04	− 5 13.9	2.117	3.049	7.6	21.1
11 17	1 59.01	− 5 32.3	2.182	3.057	10.2	21.3
11 27	1 53.53	− 5 31.2	2.270	3.065	12.7	21.5
12 7	1 50.01	− 5 11.7	2.378	3.073	14.9	21.6

274616 2008 TN_{60} 10 28.9 345°.20 3°.2/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.71	+ 6 47.6	1.904	2.795	11.4	20.0
10 8	2 27.18	+ 5 49.1	1.841	2.788	8.0	19.8
10 18	2 21.00	+ 4 47.6	1.803	2.783	4.7	19.6
10 28	2 13.90	+ 3 48.9	1.792	2.777	3.3	19.5
11 7	2 6.80	+ 2 58.9	1.809	2.772	6.0	19.7
11 17	2 0.55	+ 2 22.6	1.853	2.768	9.5	19.9
11 27	1 55.91	+ 2 3.2	1.921	2.765	12.7	20.1
12 7	1 53.36	+ 2 1.8	2.009	2.761	15.5	20.3

233751 2008 TW_{6} 10 28.9 250°.31 1°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.26	+13 19.8	1.741	2.620	13.0	20.5
10 8	2 30.60	+12 26.2	1.668	2.611	9.1	20.2
10 18	2 22.91	+11 22.2	1.620	2.601	4.8	19.9
10 28	2 14.07	+10 13.0	1.599	2.592	1.2	19.7
11 7	2 5.15	+ 9 5.3	1.606	2.582	4.9	19.9
11 17	1 57.23	+ 8 6.2	1.641	2.572	9.3	20.1
11 27	1 51.23	+ 7 21.5	1.701	2.561	13.3	20.4
12 7	1 47.72	+ 6 54.4	1.782	2.551	16.6	20.6

129081 2004 VH_{75} 10 28.9 296°.34 1°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 32.71	+13 28.2	2.115	2.991	11.1	19.7
10 8	2 27.80	+12 32.8	2.041	2.983	7.8	19.5
10 18	2 21.31	+11 28.8	1.994	2.975	4.1	19.2
10 28	2 13.94	+10 20.5	1.974	2.967	1.0	19.0
11 7	2 6.54	+ 9 13.8	1.984	2.959	4.2	19.2
11 17	1 59.94	+ 8 14.2	2.022	2.952	7.9	19.4
11 27	1 54.86	+ 7 26.7	2.087	2.944	11.3	19.6
12 7	1 51.78	+ 6 54.2	2.173	2.937	14.1	19.8

386958 2011 SE_{208} 10 28.9 107°.19 5°.0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.08	+29 36.2	2.098	2.905	13.8	21.1
10 8	2 34.42	+29 53.8	2.042	2.927	10.9	21.0
10 18	2 24.83	+29 52.4	2.009	2.949	7.8	20.8
10 28	2 14.24	+29 31.7	2.003	2.970	5.4	20.7
11 7	2 3.77	+28 54.3	2.026	2.990	5.4	20.8
11 17	1 54.49	+28 5.5	2.078	3.010	7.6	20.9
11 27	1 47.25	+27 12.2	2.156	3.029	10.3	21.1
12 7	1 42.52	+26 21.3	2.258	3.047	12.9	21.3

318323 2004 TE_{175} 10 28.9 13°.72 0°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.06	+13 30.3	0.916	1.821	19.1	19.8
10 8	2 33.66	+13 46.0	0.871	1.824	13.7	19.5
10 18	2 24.91	+13 50.4	0.845	1.828	7.4	19.2
10 28	2 14.26	+13 46.7	0.840	1.834	0.7	18.8
11 7	2 3.68	+13 40.3	0.859	1.841	6.0	19.2
11 17	1 55.03	+13 37.6	0.899	1.849	12.2	19.5
11 27	1 49.70	+13 44.8	0.960	1.858	17.6	19.9
12 7	1 48.25	+14 5.4	1.038	1.869	21.9	20.2

131314 2001 FW_{173} 10 28.9 295°.23 1°.1/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.70	+16 57.3	2.103	2.964	11.8	20.1
10 8	2 30.84	+16 59.7	2.011	2.942	8.6	19.8
10 18	2 23.08	+16 52.9	1.944	2.919	4.9	19.6
10 28	2 14.12	+16 38.3	1.904	2.897	1.3	19.3
11 7	2 4.90	+16 18.6	1.894	2.874	3.6	19.4
11 17	1 56.39	+15 57.8	1.913	2.852	7.6	19.6
11 27	1 49.52	+15 40.4	1.958	2.829	11.3	19.8
12 7	1 44.90	+15 30.5	2.025	2.807	14.5	20.0

214714 2006 TJ 10 28.9 357°.14 1°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.70	+ 9 43.7	1.391	2.283	14.7	19.5
10 8	2 31.96	+ 9 51.9	1.331	2.279	10.4	19.3
10 18	2 23.78	+ 9 56.2	1.294	2.276	5.6	19.0
10 28	2 14.18	+ 9 59.6	1.282	2.274	1.4	18.7
11 7	2 4.52	+10 6.0	1.296	2.273	5.4	19.0
11 17	1 56.11	+10 19.0	1.335	2.274	10.3	19.3
11 27	1 50.05	+10 41.7	1.398	2.275	14.6	19.5
12 7	1 46.96	+11 15.7	1.481	2.277	18.2	19.8

40189 1998 RR_{67} 10 28.9 73°.27 0°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.25	+18 20.7	2.115	2.975	11.8	18.8
10 8	2 29.46	+17 53.3	2.063	2.993	8.4	18.6
10 18	2 22.13	+17 15.2	2.036	3.011	4.7	18.4
10 28	2 14.04	+16 29.4	2.037	3.029	1.2	18.2
11 7	2 6.09	+15 40.3	2.067	3.047	3.4	18.4
11 17	1 59.10	+14 53.1	2.126	3.065	7.0	18.7
11 27	1 53.76	+14 12.4	2.212	3.083	10.2	18.9
12 7	1 50.47	+13 41.9	2.321	3.101	12.9	19.1

391225 2006 JO_{20} 10 28.9 196°.65 4°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.20	+ 4 0.5	2.034	2.916	11.2	21.7
10 8	2 30.23	+ 2 59.0	1.972	2.914	8.0	21.5
10 18	2 22.60	+ 1 56.9	1.937	2.911	5.0	21.3
10 28	2 14.09	+ 1 0.2	1.929	2.908	4.1	21.2
11 7	2 5.59	+ 0 14.5	1.951	2.905	6.5	21.4
11 17	1 57.98	− 0 16.0	2.000	2.901	9.7	21.6
11 27	1 52.01	− 0 28.9	2.074	2.897	12.8	21.7
12 7	1 48.15	− 0 23.8	2.169	2.892	15.3	21.9

41028 1999 UL_{45} 10 28.9 107°.94 2°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.90	+20 44.8	1.854	2.701	13.8	19.0
10 8	2 35.18	+21 13.1	1.794	2.713	10.2	18.8
10 18	2 25.33	+21 28.4	1.759	2.726	6.3	18.6
10 28	2 14.32	+21 30.7	1.751	2.737	3.1	18.4
11 7	2 3.32	+21 22.3	1.772	2.749	4.3	18.5
11 17	1 53.51	+21 7.3	1.822	2.760	7.9	18.8
11 27	1 45.83	+20 51.4	1.898	2.771	11.5	19.0
12 7	1 40.81	+20 39.4	1.997	2.782	14.5	19.2

331108 2010 DJ_{51} 10 28.9 335°.80 6°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.80	− 0 33.7	1.878	2.771	11.4	20.0
10 8	2 26.57	− 2 16.7	1.821	2.762	8.6	19.8
10 18	2 20.70	− 3 57.3	1.789	2.753	6.5	19.7
10 28	2 13.93	− 5 27.0	1.784	2.745	6.6	19.7
11 7	2 7.15	− 6 38.3	1.807	2.737	8.9	19.8
11 17	2 1.22	− 7 26.1	1.855	2.729	11.8	19.9
11 27	1 56.87	− 7 48.2	1.925	2.722	14.6	20.1
12 7	1 54.58	− 7 45.9	2.013	2.716	17.0	20.3

231263 2005 YD_{275} 10 28.9 273°.54 2°.3/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.92	+ 8 0.6	2.299	3.178	10.2	20.4
10 8	2 28.60	+ 7 18.5	2.219	3.162	7.2	20.2
10 18	2 21.76	+ 6 32.7	2.165	3.145	4.0	19.9
10 28	2 14.03	+ 5 47.4	2.140	3.128	2.3	19.8
11 7	2 6.20	+ 5 7.3	2.144	3.110	4.8	19.9
11 17	1 59.05	+ 4 36.3	2.176	3.093	8.2	20.1
11 27	1 53.30	+ 4 17.9	2.234	3.076	11.3	20.3
12 7	1 49.44	+ 4 13.6	2.315	3.058	14.0	20.4

383070 2005 RE_{30} 10 28.9 30°.43 4°.9/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.98	+24 26.8	1.165	2.033	18.7	20.3
10 8	2 33.24	+24 48.1	1.117	2.043	14.3	20.1
10 18	2 24.56	+24 45.9	1.089	2.055	9.4	19.9
10 28	2 14.26	+24 20.3	1.084	2.067	5.4	19.7
11 7	2 4.09	+23 36.4	1.102	2.080	6.1	19.8
11 17	1 55.66	+22 43.1	1.145	2.094	10.3	20.1
11 27	1 50.18	+21 50.8	1.211	2.109	14.7	20.4
12 7	1 48.18	+21 8.1	1.296	2.124	18.5	20.7

71981 2000 WB_{153} 10 28.9 0°.48 2°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.17	+22 11.2	1.355	2.222	16.7	19.7
10 8	2 32.42	+21 41.6	1.292	2.222	12.4	19.4
10 18	2 24.07	+20 50.5	1.249	2.222	7.5	19.2
10 28	2 14.23	+19 41.0	1.232	2.222	3.0	18.9
11 7	2 4.39	+18 20.5	1.241	2.222	4.8	19.0
11 17	1 55.98	+16 58.7	1.276	2.222	9.8	19.3
11 27	1 50.13	+15 46.0	1.334	2.222	14.4	19.6
12 7	1 47.42	+14 49.4	1.413	2.222	18.2	19.8

99471 2002 CK_{112} 10 28.9 146°.20 3°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.28	+ 3 0.0	2.636	3.515	9.1	19.4
10 8	2 27.83	+ 1 57.3	2.584	3.523	6.5	19.3
10 18	2 21.21	+ 0 55.3	2.559	3.531	4.2	19.2
10 28	2 13.99	− 0 1.4	2.564	3.539	3.7	19.1
11 7	2 6.84	− 0 48.3	2.599	3.546	5.5	19.3
11 17	2 0.39	− 1 22.4	2.662	3.553	8.0	19.4
11 27	1 55.19	− 1 41.8	2.751	3.560	10.4	19.6
12 7	1 51.60	− 1 46.1	2.862	3.566	12.4	19.8

206313 2003 JK_{6} 10 28.9 110°.12 2°.8/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.50	+ 8 25.4	1.409	2.294	15.0	20.4
10 8	2 35.04	+ 7 49.9	1.364	2.309	10.5	20.2
10 18	2 25.26	+ 7 10.4	1.343	2.323	5.7	19.9
10 28	2 14.33	+ 6 32.8	1.348	2.338	2.8	19.8
11 7	2 3.64	+ 6 3.2	1.381	2.352	6.3	20.0
11 17	1 54.47	+ 5 46.7	1.439	2.365	10.8	20.3
11 27	1 47.80	+ 5 46.3	1.522	2.378	14.8	20.6
12 7	1 44.07	+ 6 2.7	1.624	2.390	18.1	20.9

311745 2006 TO_{24} 10 28.9 5°.79 0°.6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.64	+17 16.4	1.624	2.500	13.9	20.7
10 8	2 29.53	+16 44.9	1.561	2.500	9.9	20.5
10 18	2 22.38	+16 0.3	1.522	2.500	5.5	20.2
10 28	2 14.10	+15 6.4	1.508	2.501	0.9	19.9
11 7	2 5.82	+14 9.2	1.522	2.503	4.2	20.2
11 17	1 58.65	+13 15.6	1.563	2.505	8.7	20.5
11 27	1 53.50	+12 32.0	1.629	2.507	12.8	20.7
12 7	1 50.89	+12 2.6	1.715	2.510	16.1	20.9

446080 2013 CV_{171} 10 28.9 240°.15 3°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.99	+25 32.7	2.016	2.849	13.3	21.4
10 8	2 31.79	+25 41.1	1.938	2.845	10.3	21.2
10 18	2 23.59	+25 33.2	1.884	2.840	6.9	21.0
10 28	2 14.21	+25 8.9	1.856	2.835	4.2	20.8
11 7	2 4.71	+24 31.1	1.857	2.830	4.6	20.8
11 17	1 56.15	+23 44.6	1.886	2.825	7.6	21.0
11 27	1 49.47	+22 56.2	1.941	2.820	11.0	21.2
12 7	1 45.23	+22 12.1	2.019	2.815	14.0	21.4

195403 2002 GU_{22} 10 28.9 177°.04 1°.5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.89	+20 27.1	2.289	3.135	11.5	21.3
10 8	2 31.37	+20 2.8	2.216	3.137	8.4	21.1
10 18	2 23.23	+19 26.1	2.169	3.139	5.0	20.9
10 28	2 14.19	+18 39.3	2.150	3.140	1.8	20.7
11 7	2 5.17	+17 46.3	2.161	3.141	3.3	20.8
11 17	1 57.01	+16 52.2	2.203	3.140	6.8	21.0
11 27	1 50.48	+16 2.4	2.271	3.140	10.1	21.2
12 7	1 46.03	+15 21.3	2.364	3.138	12.8	21.4

436485 2011 EQ_{24} 10 28.9 154°.44 1°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.00	+12 15.0	1.873	2.746	12.5	21.9
10 8	2 32.31	+11 39.4	1.813	2.753	8.7	21.7
10 18	2 23.76	+10 56.6	1.778	2.759	4.6	21.5
10 28	2 14.24	+10 10.8	1.772	2.765	1.1	21.2
11 7	2 4.78	+ 9 27.2	1.795	2.770	4.5	21.5
11 17	1 56.40	+ 8 50.9	1.846	2.774	8.6	21.7
11 27	1 49.90	+ 8 26.2	1.922	2.779	12.2	22.0
12 7	1 45.78	+ 8 15.4	2.021	2.782	15.2	22.2

191621 2004 MN_{3} 10 28.9 122°.78 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.39	+16 23.3	1.779	2.645	13.3	21.3
10 8	2 32.62	+15 53.0	1.724	2.659	9.5	21.1
10 18	2 23.93	+15 11.6	1.693	2.671	5.1	20.9
10 28	2 14.25	+14 22.7	1.690	2.684	0.6	20.6
11 7	2 4.71	+13 31.8	1.716	2.696	4.0	20.9
11 17	1 56.35	+12 44.9	1.770	2.707	8.3	21.2
11 27	1 50.01	+12 7.3	1.850	2.718	12.0	21.4
12 7	1 46.16	+11 42.7	1.952	2.728	15.1	21.7

497609 2006 PW_{5} 10 28.9 110°.62 19°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.63	−25 26.9	1.149	1.994	20.5	20.3
10 8	2 34.80	−28 3.3	1.143	2.003	19.3	20.3
10 18	2 25.21	−29 57.7	1.155	2.012	19.2	20.3
10 28	2 14.35	−30 57.5	1.185	2.020	20.0	20.4
11 7	2 3.96	−30 59.5	1.231	2.029	21.5	20.5
11 17	1 55.53	−30 7.7	1.293	2.036	23.2	20.7
11 27	1 50.06	−28 31.4	1.367	2.044	24.8	20.9
12 7	1 47.92	−26 22.1	1.451	2.051	26.2	21.1

62552 2000 SL_{264} 10 28.9 85°.58 1°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.36	+11 9.4	1.995	2.873	11.6	19.4
10 8	2 29.64	+10 31.4	1.940	2.882	8.1	19.2
10 18	2 22.30	+ 9 47.8	1.909	2.890	4.3	19.0
10 28	2 14.12	+ 9 2.8	1.907	2.899	1.4	18.8
11 7	2 6.02	+ 8 21.3	1.933	2.907	4.5	19.0
11 17	1 58.87	+ 7 47.9	1.988	2.915	8.2	19.3
11 27	1 53.40	+ 7 26.3	2.068	2.924	11.5	19.5
12 7	1 50.04	+ 7 18.1	2.170	2.932	14.2	19.7

228123 2008 UH_{45} 10 28.9 310°.80 0°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.27	+12 3.8	4.074	4.940	6.5	20.7
10 8	2 24.14	+11 47.5	3.997	4.933	4.5	20.6
10 18	2 19.22	+11 28.2	3.948	4.927	2.4	20.4
10 28	2 13.87	+11 7.4	3.928	4.921	0.4	20.2
11 7	2 8.50	+10 47.2	3.939	4.915	2.3	20.4
11 17	2 3.50	+10 29.4	3.981	4.909	4.4	20.5
11 27	1 59.25	+10 16.0	4.051	4.903	6.4	20.7
12 7	1 56.04	+10 8.2	4.146	4.897	8.1	20.8

174977 2004 DT_{49} 10 28.9 155°.49 3°.1/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.89	+ 6 19.8	1.990	2.872	11.4	20.4
10 8	2 30.04	+ 5 34.8	1.931	2.874	8.0	20.2
10 18	2 22.54	+ 4 47.9	1.898	2.876	4.6	20.0
10 28	2 14.15	+ 4 4.2	1.893	2.878	3.1	19.9
11 7	2 5.80	+ 3 28.8	1.916	2.880	5.7	20.1
11 17	1 58.38	+ 3 5.5	1.968	2.881	9.1	20.3
11 27	1 52.63	+ 2 57.2	2.044	2.883	12.3	20.5
12 7	1 49.00	+ 3 4.4	2.141	2.884	15.0	20.7

367949 2012 DZ_{31} 10 28.9 280°.89 3°.3/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.85	+ 8 23.4	1.302	2.197	15.4	21.1
10 8	2 32.95	+ 7 34.5	1.239	2.188	10.9	20.8
10 18	2 24.42	+ 6 39.3	1.197	2.179	6.1	20.6
10 28	2 14.32	+ 5 45.1	1.181	2.170	3.4	20.4
11 7	2 4.11	+ 5 0.0	1.191	2.161	7.2	20.6
11 17	1 55.23	+ 4 30.8	1.225	2.152	12.1	20.8
11 27	1 48.86	+ 4 22.2	1.282	2.143	16.7	21.1
12 7	1 45.63	+ 4 35.3	1.356	2.135	20.4	21.3

208753 2002 PG_{5} 10 28.9 260°.49 7°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.37	+34 55.2	1.882	2.674	15.7	20.1
10 8	2 32.33	+35 5.9	1.804	2.672	13.0	19.9
10 18	2 23.98	+34 51.5	1.747	2.669	10.1	19.7
10 28	2 14.28	+34 10.5	1.715	2.666	7.7	19.6
11 7	2 4.49	+33 5.3	1.708	2.663	7.2	19.5
11 17	1 55.87	+31 42.1	1.729	2.660	8.9	19.6
11 27	1 49.45	+30 10.5	1.776	2.657	11.7	19.8
12 7	1 45.82	+28 40.2	1.845	2.654	14.6	20.0

18359 Jakobstaude 10 28.9 314°.59 0°.0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.54	+15 17.4	1.898	2.771	12.3	18.6
10 8	2 29.31	+14 48.4	1.825	2.763	8.7	18.4
10 18	2 22.25	+14 9.4	1.776	2.755	4.7	18.2
10 28	2 14.14	+13 23.8	1.754	2.748	0.4	17.8
11 7	2 5.94	+12 36.7	1.761	2.740	4.0	18.1
11 17	1 58.65	+11 53.4	1.796	2.733	8.1	18.3
11 27	1 53.10	+11 19.2	1.856	2.726	11.9	18.5
12 7	1 49.81	+10 57.7	1.938	2.719	15.0	18.7

228185 2009 TD_{27} 10 28.9 327°.59 4°.8/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.35	+ 5 7.2	1.201	2.104	15.7	20.0
10 8	2 31.37	+ 4 24.3	1.137	2.089	11.3	19.7
10 18	2 23.65	+ 3 39.5	1.094	2.074	6.8	19.4
10 28	2 14.26	+ 3 0.9	1.075	2.061	4.9	19.2
11 7	2 4.68	+ 2 36.3	1.081	2.048	8.4	19.4
11 17	1 56.40	+ 2 31.6	1.110	2.036	13.2	19.6
11 27	1 50.68	+ 2 50.0	1.159	2.024	17.8	19.9
12 7	1 48.20	+ 3 30.7	1.226	2.014	21.7	20.1

483959 2006 BZ_{192} 10 28.9 131°.68 8°.4/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.39	+48 13.0	3.045	3.705	12.9	22.0
10 8	2 34.71	+48 51.7	2.974	3.718	11.5	21.9
10 18	2 25.09	+49 8.6	2.922	3.731	10.1	21.8
10 28	2 14.38	+49 1.2	2.893	3.744	9.0	21.8
11 7	2 3.62	+48 29.5	2.889	3.756	8.4	21.8
11 17	1 53.86	+47 36.5	2.912	3.767	8.6	21.8
11 27	1 45.99	+46 27.7	2.959	3.778	9.4	21.9
12 7	1 40.53	+45 10.3	3.031	3.789	10.7	22.0

219485 2001 DM_{82} 10 28.9 157°.75 1°.0/29.9 18

9 28	2 35.19	+18 11.6	2.410	3.265	10.7	20.9
10 8	2 29.42	+17 57.2	2.340	3.268	7.7	20.7
10 18	2 22.18	+17 33.4	2.296	3.270	4.4	20.5
10 28	2 14.13	+17 2.1	2.280	3.272	1.2	20.2
11 7	2 6.08	+16 26.6	2.294	3.274	3.1	20.4
11 17	1 58.80	+15 51.0	2.338	3.276	6.5	20.6
11 27	1 52.97	+15 19.6	2.409	3.278	9.5	20.8
12 7	1 49.03	+14 55.7	2.503	3.279	12.2	21.0

139557 2001 QF_{68} 10 28.9 28°.80 16°.8/17.2 17

9 28	2 47.46	+56 34.0	1.626	2.274	22.9	18.1
10 8	2 40.56	+58 20.4	1.576	2.287	21.3	18.0
10 18	2 29.12	+59 27.7	1.539	2.301	19.7	17.9
10 28	2 14.73	+59 46.7	1.518	2.315	18.2	17.9
11 7	2 0.05	+59 14.6	1.513	2.331	17.2	17.8
11 17	1 47.78	+57 55.9	1.527	2.347	16.8	17.9
11 27	1 39.91	+56 2.6	1.560	2.364	17.1	17.9
12 7	1 37.08	+53 49.9	1.611	2.382	18.0	18.1

54032 2000 GL_{106} 10 28.9 121°.68 1°.4/29.9 18

9 28	2 41.14	+18 32.6	1.817	2.674	13.5	19.5
10 8	2 33.86	+18 21.5	1.762	2.690	9.8	19.3
10 18	2 24.61	+17 58.0	1.731	2.705	5.6	19.1
10 28	2 14.34	+17 24.4	1.727	2.719	1.6	18.9
11 7	2 4.20	+16 45.1	1.753	2.733	3.9	19.1
11 17	1 55.28	+16 5.8	1.808	2.746	8.0	19.3
11 27	1 48.43	+15 32.0	1.888	2.759	11.7	19.6
12 7	1 44.12	+15 8.1	1.991	2.771	14.7	19.8

513900 2013 WP_{91} 10 28.9 331°.54 1°.7/29.9 18

9 28	2 35.24	+18 21.5	1.141	2.031	17.4	21.1
10 8	2 30.88	+18 11.6	1.071	2.015	12.8	20.8
10 18	2 23.53	+17 43.4	1.021	2.000	7.4	20.5
10 28	2 14.29	+16 59.7	0.994	1.986	2.0	20.1
11 7	2 4.74	+16 6.9	0.991	1.973	5.3	20.3
11 17	1 56.56	+15 14.2	1.011	1.961	11.2	20.6
11 27	1 51.15	+14 31.2	1.053	1.951	16.5	20.8
12 7	1 49.28	+14 4.9	1.113	1.941	20.9	21.1

123707 2000 YD_{116} 10 28.9 197°.31 2°.5/26.5 18

9 28	2 34.29	+ 6 29.6	2.496	3.373	9.6	20.2
10 8	2 28.70	+ 5 50.1	2.430	3.371	6.7	20.0
10 18	2 21.78	+ 5 9.0	2.391	3.369	3.9	19.8
10 28	2 14.13	+ 4 30.1	2.381	3.366	2.5	19.7
11 7	2 6.48	+ 3 57.2	2.400	3.364	4.7	19.8
11 17	1 59.54	+ 3 33.9	2.449	3.361	7.6	20.0
11 27	1 53.91	+ 3 22.3	2.524	3.357	10.4	20.2
12 7	1 50.03	+ 3 23.7	2.621	3.354	12.8	20.4

16229 2000 EM_{46} 10 28.9 348°.61 0°.3/28.7 18

9 28	2 33.30	+14 22.4	1.892	2.770	12.1	18.3
10 8	2 28.42	+13 54.3	1.824	2.765	8.6	18.1
10 18	2 21.77	+13 17.3	1.780	2.761	4.6	17.9
10 28	2 14.13	+12 35.0	1.763	2.757	0.4	17.5
11 7	2 6.46	+11 52.3	1.775	2.754	4.0	17.8
11 17	1 59.67	+11 14.4	1.814	2.751	8.1	18.1
11 27	1 54.59	+10 46.1	1.878	2.749	11.7	18.3
12 7	1 51.71	+10 30.3	1.964	2.747	14.8	18.5

444534 2006 SX_{179} 10 28.9 276°.96 0°.3/28.7 18

9 28	2 36.12	+14 19.7	1.889	2.762	12.4	21.7
10 8	2 30.39	+13 52.9	1.821	2.760	8.7	21.5
10 18	2 22.83	+13 17.2	1.777	2.757	4.7	21.3
10 28	2 14.23	+12 36.1	1.762	2.755	0.4	20.9
11 7	2 5.60	+11 54.4	1.774	2.753	4.1	21.2
11 17	1 57.92	+11 17.3	1.815	2.750	8.2	21.5
11 27	1 52.03	+10 49.6	1.881	2.748	11.9	21.7
12 7	1 48.45	+10 34.4	1.969	2.746	15.0	21.9

186553 2002 XA_{26} 10 28.9 28°.50 0°.5/29.2 18

9 28	2 36.80	+16 14.9	1.046	1.943	18.0	19.6
10 8	2 31.65	+15 53.3	1.006	1.955	12.8	19.3
10 18	2 23.69	+15 16.3	0.987	1.969	7.0	19.1
10 28	2 14.29	+14 29.0	0.990	1.983	0.9	18.7
11 7	2 5.14	+13 39.8	1.017	1.999	5.4	19.1
11 17	1 57.75	+12 57.3	1.068	2.016	11.0	19.5
11 27	1 53.24	+12 28.7	1.140	2.033	15.8	19.8
12 7	1 52.05	+12 17.8	1.231	2.052	19.7	20.1

72431 2001 CD_{42} 10 28.9 89°.59 0°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.30	+15 58.8	2.352	3.207	10.9	18.4
10 8	2 32.22	+16 9.0	2.299	3.227	7.8	18.2
10 18	2 23.64	+16 11.7	2.272	3.247	4.3	18.0
10 28	2 14.29	+16 8.3	2.274	3.266	1.0	17.8
11 7	2 5.05	+16 1.2	2.306	3.286	3.2	18.0
11 17	1 56.72	+15 53.4	2.369	3.305	6.5	18.3
11 27	1 49.98	+15 48.3	2.459	3.323	9.6	18.5
12 7	1 45.26	+15 48.5	2.573	3.342	12.1	18.7

118164 1981 DC_3 10 28.9 146°.96 2°.5/30.9 18

9 28	2 38.97	+22 29.7	1.740	2.590	14.3	20.2
10 8	2 32.54	+22 6.5	1.675	2.596	10.6	20.0
10 18	2 24.01	+21 26.0	1.633	2.601	6.5	19.7
10 28	2 14.33	+20 30.4	1.618	2.606	2.8	19.5
11 7	2 4.69	+19 25.2	1.631	2.611	4.2	19.6
11 17	1 56.25	+18 17.6	1.673	2.615	8.2	19.9
11 27	1 49.92	+17 15.2	1.740	2.619	12.1	20.1
12 7	1 46.22	+16 24.1	1.829	2.622	15.3	20.4

12509 Pathak 10 28.9 68°.94 2°.4/30.6 18

9 28	2 40.32	+21 31.7	1.303	2.171	17.1	18.2
10 8	2 33.76	+21 6.8	1.260	2.191	12.5	17.9
10 18	2 24.68	+20 21.9	1.237	2.210	7.4	17.7
10 28	2 14.38	+19 20.9	1.240	2.230	2.8	17.5
11 7	2 4.37	+18 11.4	1.269	2.250	4.8	17.7
11 17	1 56.04	+17 2.7	1.323	2.269	9.5	18.0
11 27	1 50.37	+16 3.5	1.402	2.289	13.9	18.3
12 7	1 47.80	+15 19.8	1.501	2.308	17.5	18.6

196058 2002 TU_{15} 10 28.9 4°.97 0°.7/28.2 18

9 28	2 32.95	+13 18.3	2.261	3.134	10.6	19.9
10 8	2 27.90	+12 38.9	2.194	3.134	7.4	19.7
10 18	2 21.39	+11 52.4	2.153	3.134	3.9	19.5
10 28	2 14.11	+11 2.5	2.141	3.134	0.7	19.3
11 7	2 6.83	+10 13.7	2.158	3.134	3.7	19.5
11 17	2 0.32	+ 9 30.7	2.204	3.135	7.3	19.7
11 27	1 55.26	+ 8 57.3	2.276	3.136	10.4	19.9
12 7	1 52.06	+ 8 36.2	2.371	3.136	13.1	20.1

312384 2008 EE_{117} 10 28.9 332°.39 1°.0/28.1 18

9 28	2 34.75	+12 46.5	1.871	2.750	12.2	21.2
10 8	2 29.43	+12 9.5	1.804	2.747	8.6	21.0
10 18	2 22.31	+11 24.6	1.763	2.744	4.5	20.7
10 28	2 14.19	+10 36.0	1.748	2.741	1.0	20.5
11 7	2 6.05	+ 9 49.0	1.762	2.738	4.4	20.7
11 17	1 58.85	+ 9 9.1	1.803	2.736	8.5	21.0
11 27	1 53.40	+ 8 40.8	1.870	2.734	12.1	21.2
12 7	1 50.20	+ 8 26.7	1.958	2.732	15.2	21.4

29488 1997 WM 10 28.9 242°.89 3°.7/ 1.6 18

9 28	2 35.87	+27 41.1	2.171	2.994	12.9	19.0
10 8	2 30.21	+27 15.1	2.085	2.986	10.0	18.8
10 18	2 22.74	+26 30.3	2.024	2.976	6.8	18.6
10 28	2 14.24	+25 27.7	1.989	2.967	4.1	18.4
11 7	2 5.67	+24 11.3	1.983	2.957	4.3	18.4
11 17	1 57.99	+22 47.5	2.006	2.948	7.1	18.6
11 27	1 52.03	+21 23.8	2.057	2.938	10.4	18.8
12 7	1 48.30	+20 7.2	2.132	2.927	13.4	19.0

181021 2005 NQ_{97} 10 28.9 50°.64 2°.3/30.9 18

9 28	2 36.16	+21 51.2	1.840	2.694	13.5	20.6
10 8	2 30.49	+21 34.9	1.775	2.699	10.0	20.3
10 18	2 22.89	+21 3.2	1.735	2.704	6.1	20.1
10 28	2 14.25	+20 18.2	1.720	2.709	2.7	19.9
11 7	2 5.63	+19 24.7	1.734	2.714	3.9	20.0
11 17	1 58.07	+18 28.7	1.776	2.720	7.7	20.3
11 27	1 52.43	+17 37.0	1.844	2.725	11.4	20.5
12 7	1 49.20	+16 54.9	1.934	2.731	14.5	20.7

469904 2005 WZ_{163} 10 28.9 359°.02 5°.6/ 1.9 16

9 28	2 34.17	+28 18.6	1.203	2.062	18.9	20.6
10 8	2 30.00	+28 7.5	1.140	2.058	14.8	20.4
10 18	2 22.97	+27 26.6	1.097	2.056	10.2	20.1
10 28	2 14.27	+26 16.5	1.076	2.055	6.3	19.9
11 7	2 5.53	+24 44.1	1.078	2.056	6.3	19.9
11 17	1 58.31	+23 0.9	1.105	2.057	10.2	20.1
11 27	1 53.86	+21 20.5	1.155	2.059	14.7	20.4
12 7	1 52.77	+19 54.0	1.225	2.062	18.8	20.7

178360 1996 VF_{27} 10 28.9 222°.87 1°.1/28.0 18

9 28	2 36.30	+11 23.5	2.158	3.031	11.0	21.0
10 8	2 30.35	+11 0.1	2.088	3.027	7.8	20.8
10 18	2 22.77	+10 31.2	2.042	3.023	4.1	20.5
10 28	2 14.26	+10 0.1	2.026	3.018	1.1	20.3
11 7	2 5.71	+ 9 30.9	2.038	3.014	4.1	20.5
11 17	1 57.97	+ 9 7.3	2.080	3.009	7.8	20.7
11 27	1 51.82	+ 8 53.1	2.148	3.004	11.1	20.9
12 7	1 47.72	+ 8 50.3	2.238	2.998	13.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
517474 2014 PV_{72}		10 28.9 91°.75 1°.4/30.2 18				
	h m	° ′			°	m
9 28	2 36.27	+18 57.3	2.253	3.107	11.4	21.7
10 8	2 30.23	+18 48.4	2.193	3.119	8.2	21.5
10 18	2 22.64	+18 29.3	2.158	3.131	4.8	21.4
10 28	2 14.25	+18 1.7	2.152	3.143	1.6	21.2
11 7	2 5.91	+17 29.1	2.175	3.155	3.3	21.3
11 17	1 58.46	+16 55.7	2.227	3.166	6.7	21.5
11 27	1 52.59	+16 25.9	2.306	3.178	9.8	21.8
12 7	1 48.74	+16 3.3	2.409	3.189	12.5	22.0
492810 2014 QJ_{263}		10 28.9 323°.87 5°.8/24.1 17				
9 28	2 33.33	− 1 5.0	1.872	2.761	11.7	20.9
10 8	2 28.47	− 2 2.1	1.805	2.745	8.7	20.7
10 18	2 21.84	− 2 55.2	1.763	2.729	6.4	20.5
10 28	2 14.19	− 3 37.9	1.747	2.714	6.1	20.5
11 7	2 6.45	− 4 4.5	1.758	2.699	8.2	20.6
11 17	1 59.55	− 4 11.2	1.795	2.684	11.3	20.7
11 27	1 54.30	− 3 56.7	1.854	2.670	14.3	20.9
12 7	1 51.24	− 3 22.1	1.933	2.657	16.9	21.1
105135 2000 NT_{1}		10 28.9 198°.70 5°.7/ 3.7 18				
9 28	2 37.53	+33 30.3	2.247	3.037	13.5	19.2
10 8	2 31.41	+33 28.9	2.167	3.036	11.0	19.0
10 18	2 23.40	+33 6.6	2.108	3.034	8.4	18.8
10 28	2 14.32	+32 22.6	2.076	3.032	6.2	18.7
11 7	2 5.20	+31 19.7	2.071	3.029	5.8	18.7
11 17	1 57.04	+30 3.2	2.095	3.026	7.6	18.8
11 27	1 50.70	+28 40.8	2.146	3.023	10.2	18.9
12 7	1 46.71	+27 20.1	2.221	3.020	12.8	19.1
172743 2004 CO_{74}		10 28.9 297°.12 2°.4/30.7 18				
9 28	2 37.01	+21 7.1	1.779	2.636	13.8	20.0
10 8	2 31.34	+21 4.3	1.699	2.624	10.3	19.8
10 18	2 23.50	+20 46.6	1.643	2.613	6.3	19.5
10 28	2 14.35	+20 15.4	1.612	2.601	2.8	19.3
11 7	2 5.01	+19 34.2	1.610	2.589	4.2	19.4
11 17	1 56.65	+18 48.8	1.635	2.578	8.3	19.6
11 27	1 50.26	+18 6.0	1.685	2.567	12.2	19.8
12 7	1 46.48	+17 31.7	1.757	2.556	15.6	20.0
187011 2004 TT_{224}		10 28.9 317°.81 0°.6/29.6 16				
9 28	2 31.76	+16 50.9	2.654	3.514	9.6	20.9
10 8	2 27.03	+16 35.2	2.569	3.500	6.9	20.7
10 18	2 20.97	+16 11.6	2.509	3.485	3.9	20.5
10 28	2 14.13	+15 41.9	2.478	3.471	0.8	20.2
11 7	2 7.19	+15 9.3	2.477	3.457	2.9	20.4
11 17	2 0.84	+14 37.3	2.505	3.443	6.1	20.6
11 27	1 55.71	+14 9.5	2.561	3.430	9.0	20.7
12 7	1 52.24	+13 49.0	2.640	3.417	11.6	20.9
380045 2013 RH_{47}		10 28.9 49°.40 2°.6/27.2 13 C				
9 28	2 37.08	+11 39.7	1.162	2.060	16.5	20.8
10 8	2 31.59	+10 25.7	1.122	2.073	11.5	20.5
10 18	2 23.59	+ 9 2.0	1.103	2.086	6.1	20.3
10 28	2 14.34	+ 7 37.6	1.109	2.100	2.6	20.1
11 7	2 5.36	+ 6 23.1	1.140	2.114	6.8	20.4
11 17	1 58.00	+ 5 26.9	1.196	2.129	11.8	20.7
11 27	1 53.26	+ 4 54.1	1.273	2.143	16.2	21.1
12 7	1 51.55	+ 4 45.5	1.369	2.158	19.7	21.3
403193 2008 KX_{40}		10 28.9 97°.68 5°.8/23.7 18				
9 28	2 35.21	− 4 3.7	2.243	3.119	10.5	20.8
10 8	2 29.35	− 4 58.5	2.203	3.132	8.0	20.7
10 18	2 22.12	− 5 46.4	2.190	3.145	6.2	20.6
10 28	2 14.23	− 6 22.0	2.204	3.158	6.0	20.6
11 7	2 6.47	− 6 41.6	2.246	3.171	7.7	20.7
11 17	1 59.59	− 6 43.0	2.315	3.183	10.0	20.9
11 27	1 54.21	− 6 26.3	2.408	3.196	12.3	21.1
12 7	1 50.68	− 5 53.0	2.521	3.208	14.3	21.2
269915 2000 JA_{42}		10 28.9 224°.05 1°.2/28.1 18				
9 28	2 38.71	+12 22.4	1.769	2.645	12.9	21.2
10 8	2 32.38	+11 46.8	1.697	2.638	9.1	21.0
10 18	2 23.99	+11 3.0	1.650	2.630	4.9	20.7
10 28	2 14.40	+10 15.0	1.630	2.623	1.2	20.4
11 7	2 4.73	+ 9 28.8	1.639	2.614	4.8	20.7
11 17	1 56.08	+ 8 49.8	1.675	2.606	9.2	20.9
11 27	1 49.39	+ 8 23.2	1.737	2.597	13.1	21.1
12 7	1 45.21	+ 8 11.7	1.820	2.587	16.4	21.3
490864 2011 AF_{63}		10 28.9 242°.73 4°.5/23.9 18				
9 28	2 33.34	− 1 30.7	2.770	3.645	8.8	21.8
10 8	2 28.01	− 2 24.4	2.699	3.631	6.6	21.7
10 18	2 21.44	− 3 15.2	2.654	3.616	4.8	21.5
10 28	2 14.19	− 3 58.6	2.639	3.601	4.7	21.5
11 7	2 6.88	− 4 30.5	2.654	3.585	6.3	21.6
11 17	2 0.15	− 4 48.3	2.696	3.570	8.5	21.7
11 27	1 54.57	− 4 50.6	2.763	3.553	10.8	21.8
12 7	1 50.56	− 4 37.5	2.851	3.537	12.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
53002 1998 UV_{42}		10 28.9 54°.96 0°.7/29.4 18				
	h m	° ′			°	m
9 28	2 40.01	+17 28.4	1.211	2.093	17.1	18.6
10 8	2 33.53	+16 56.9	1.176	2.117	12.2	18.4
10 18	2 24.57	+16 9.9	1.162	2.142	6.7	18.2
10 28	2 14.45	+15 12.8	1.174	2.167	1.1	17.9
11 7	2 4.74	+14 13.7	1.211	2.192	4.9	18.2
11 17	1 56.77	+13 20.8	1.273	2.217	10.0	18.6
11 27	1 51.51	+12 41.2	1.359	2.243	14.4	18.9
12 7	1 49.34	+12 18.6	1.464	2.268	18.0	19.2
22788 von Steuben		10 28.9 256°.05 3°.1/31.5 18				
9 28	2 38.27	+24 37.0	1.874	2.714	13.9	18.2
10 8	2 32.24	+24 13.4	1.783	2.696	10.6	18.0
10 18	2 24.01	+23 30.5	1.715	2.678	6.8	17.7
10 28	2 14.43	+22 29.6	1.674	2.659	3.5	17.5
11 7	2 4.63	+21 15.0	1.662	2.640	4.3	17.5
11 17	1 55.78	+19 53.9	1.678	2.620	8.2	17.7
11 27	1 48.89	+18 34.8	1.720	2.599	12.1	17.9
12 7	1 44.62	+17 25.5	1.785	2.579	15.6	18.1
412493 2014 JV_{26}		10 28.9 233°.56 7°.1/22.5 18				
9 28	2 36.50	− 5 50.4	2.049	2.925	11.4	21.7
10 8	2 30.54	− 7 4.5	1.990	2.915	9.0	21.5
10 18	2 22.90	− 8 11.1	1.956	2.904	7.3	21.4
10 28	2 14.33	− 9 3.2	1.949	2.893	7.4	21.4
11 7	2 5.72	− 9 35.4	1.969	2.882	9.3	21.5
11 17	1 57.97	− 9 44.5	2.015	2.870	11.8	21.6
11 27	1 51.85	− 9 30.2	2.084	2.858	14.4	21.8
12 7	1 47.84	− 8 54.6	2.171	2.846	16.6	21.9
239945 2001 CZ_{39}		10 28.9 247°.57 2°.7/27.1 18				
9 28	2 39.10	+ 6 42.2	1.930	2.808	11.9	20.3
10 8	2 32.55	+ 6 19.6	1.855	2.796	8.5	20.1
10 18	2 24.06	+ 5 54.9	1.806	2.784	4.8	19.8
10 28	2 14.44	+ 5 32.4	1.784	2.772	2.7	19.7
11 7	2 4.68	+ 5 16.4	1.792	2.759	5.5	19.8
11 17	1 55.82	+ 5 10.5	1.827	2.746	9.3	20.0
11 27	1 48.75	+ 5 17.5	1.888	2.733	12.9	20.2
12 7	1 44.02	+ 5 38.3	1.970	2.720	15.9	20.4
332840 2010 DZ_{59}		10 28.9 290°.39 0°.1/28.8 17				
9 28	2 32.46	+16 22.6	2.270	3.137	10.8	20.5
10 8	2 27.68	+15 25.7	2.186	3.122	7.7	20.3
10 18	2 21.38	+14 17.7	2.128	3.107	4.1	20.1
10 28	2 14.21	+13 2.5	2.098	3.092	0.3	19.7
11 7	2 6.95	+11 45.6	2.099	3.077	3.6	20.0
11 17	2 0.41	+10 33.0	2.128	3.062	7.3	20.2
11 27	1 55.30	+ 9 30.2	2.184	3.047	10.7	20.4
12 7	1 52.09	+ 8 41.0	2.263	3.032	13.5	20.6
228245 1998 VL_{48}		10 28.9 93°.32 2°.7/27.4 18				
9 28	2 41.05	+ 7 53.4	1.512	2.396	14.2	20.4
10 8	2 34.04	+ 7 29.3	1.463	2.408	10.0	20.2
10 18	2 24.83	+ 7 2.3	1.439	2.419	5.5	20.0
10 28	2 14.50	+ 6 37.2	1.441	2.430	2.7	19.8
11 7	2 4.33	+ 6 19.4	1.470	2.442	6.0	20.0
11 17	1 55.52	+ 6 12.8	1.527	2.453	10.3	20.3
11 27	1 49.00	+ 6 20.3	1.607	2.464	14.1	20.6
12 7	1 45.25	+ 6 42.5	1.708	2.474	17.3	20.8
405267 2003 SL_{324}		10 28.9 140°.21 4°.3/ 2.4 18				
9 28	2 38.52	+29 51.8	2.752	3.548	11.2	21.8
10 8	2 31.77	+30 10.2	2.681	3.558	8.9	21.7
10 18	2 23.51	+30 13.9	2.634	3.568	6.5	21.6
10 28	2 14.39	+30 2.5	2.615	3.577	4.7	21.5
11 7	2 5.26	+29 37.6	2.625	3.586	4.6	21.5
11 17	1 56.90	+29 2.5	2.665	3.594	6.3	21.6
11 27	1 50.03	+28 22.2	2.733	3.602	8.6	21.8
12 7	1 45.11	+27 41.6	2.826	3.610	10.7	21.9
102850 1999 VF_{211}		10 28.9 308°.21 2°.7/30.8 18				
9 28	2 36.46	+21 31.2	1.556	2.420	15.0	20.0
10 8	2 31.32	+21 25.7	1.469	2.398	11.3	19.7
10 18	2 23.68	+21 2.6	1.405	2.376	7.0	19.4
10 28	2 14.43	+20 23.0	1.365	2.354	3.1	19.1
11 7	2 4.82	+19 31.1	1.352	2.332	4.7	19.2
11 17	1 56.21	+18 33.8	1.365	2.311	9.3	19.4
11 27	1 49.81	+17 39.7	1.402	2.290	13.8	19.6
12 7	1 46.36	+16 56.1	1.460	2.270	17.7	19.8
104871 2000 HZ_{96}		10 28.9 219°.33 3°.7/26.5 18				
9 28	2 39.68	+ 5 17.2	1.682	2.566	13.1	19.7
10 8	2 33.08	+ 4 41.0	1.618	2.562	9.3	19.5
10 18	2 24.37	+ 4 3.7	1.579	2.557	5.5	19.3
10 28	2 14.47	+ 3 30.8	1.567	2.552	3.7	19.2
11 7	2 4.54	+ 3 7.9	1.583	2.547	6.6	19.3
11 17	1 55.70	+ 2 59.0	1.626	2.541	10.5	19.5
11 27	1 48.90	+ 3 6.7	1.693	2.536	14.2	19.8
12 7	1 44.69	+ 3 31.2	1.779	2.530	17.3	20.0

129516 1995 UR_{22} 10 28.9 52°.04 2°.1/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 43.78	+17 13.2	1.516	2.382	15.3	19.4
10 8	2 36.19	+17 53.5	1.461	2.393	11.1	19.2
10 18	2 26.11	+18 22.9	1.430	2.404	6.5	19.0
10 28	2 14.64	+18 41.1	1.425	2.416	2.3	18.7
11 7	2 3.20	+18 50.2	1.448	2.428	4.6	18.9
11 17	1 53.16	+18 54.0	1.498	2.440	9.0	19.2
11 27	1 45.61	+18 57.7	1.574	2.452	13.1	19.5
12 7	1 41.11	+19 6.1	1.670	2.465	16.5	19.8

123526 2000 XO_{12} 10 28.9 183°.30 5°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.67	+30 34.5	2.055	2.859	14.2	19.7
10 8	2 34.53	+31 1.9	1.978	2.860	11.4	19.6
10 18	2 25.21	+31 9.9	1.925	2.860	8.4	19.4
10 28	2 14.58	+30 57.1	1.897	2.859	6.1	19.2
11 7	2 3.81	+30 24.9	1.898	2.858	6.0	19.2
11 17	1 54.08	+29 38.1	1.927	2.857	8.2	19.4
11 27	1 46.39	+28 43.9	1.982	2.856	11.1	19.6
12 7	1 41.35	+27 50.0	2.060	2.854	13.8	19.7

54253 2000 JP_{27} 10 28.9 35°.32 2°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.77	+20 8.5	1.465	2.335	15.4	17.2
10 8	2 31.17	+19 58.8	1.418	2.351	11.3	17.0
10 18	2 23.36	+19 33.2	1.393	2.366	6.6	16.8
10 28	2 14.40	+18 54.4	1.393	2.383	2.5	16.6
11 7	2 5.61	+18 8.1	1.419	2.400	4.3	16.7
11 17	1 58.18	+17 21.2	1.472	2.418	8.7	17.1
11 27	1 53.04	+16 40.7	1.550	2.437	12.8	17.3
12 7	1 50.65	+16 11.7	1.648	2.456	16.1	17.6

518419 2018 EB_{3} 10 28.9 273°.43 2°.2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.26	+10 2.1	1.604	2.488	13.6	21.4
10 8	2 32.35	+ 9 20.9	1.525	2.470	9.6	21.1
10 18	2 24.14	+ 8 32.4	1.470	2.451	5.2	20.8
10 28	2 14.49	+ 7 41.8	1.442	2.433	2.3	20.6
11 7	2 4.62	+ 6 55.6	1.441	2.414	5.8	20.8
11 17	1 55.75	+ 6 20.2	1.467	2.395	10.5	21.0
11 27	1 48.96	+ 6 0.7	1.517	2.376	14.7	21.2
12 7	1 44.91	+ 5 59.5	1.587	2.356	18.3	21.4

123869 2001 DR_{13} 10 28.9 159°.76 2°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.42	+ 5 36.7	2.528	3.404	9.5	19.7
10 8	2 28.80	+ 4 59.2	2.468	3.408	6.7	19.5
10 18	2 21.88	+ 4 20.9	2.434	3.411	3.9	19.4
10 28	2 14.28	+ 3 45.6	2.430	3.414	2.7	19.3
11 7	2 6.72	+ 3 16.9	2.456	3.417	4.8	19.4
11 17	1 59.87	+ 2 58.1	2.510	3.419	7.6	19.6
11 27	1 54.32	+ 2 51.0	2.591	3.422	10.3	19.8
12 7	1 50.49	+ 2 56.5	2.694	3.423	12.5	20.0

72343 2001 BT_{67} 10 28.9 237°.43 0°.9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.11	+17 25.1	1.938	2.800	12.6	20.0
10 8	2 31.92	+17 11.0	1.861	2.792	9.1	19.8
10 18	2 23.77	+16 45.8	1.808	2.784	5.1	19.5
10 28	2 14.46	+16 11.6	1.783	2.775	1.2	19.2
11 7	2 5.04	+15 32.5	1.786	2.766	3.8	19.4
11 17	1 56.53	+14 53.8	1.818	2.757	7.9	19.7
11 27	1 49.85	+14 20.8	1.877	2.748	11.7	19.9
12 7	1 45.56	+13 57.8	1.957	2.738	14.9	20.1

210373 2007 VX_{38} 10 28.9 27°.59 4°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.94	+ 8 31.5	0.989	1.901	17.4	19.2
10 8	2 30.40	+ 6 57.7	0.952	1.909	12.2	18.9
10 18	2 23.10	+ 5 17.2	0.935	1.918	6.9	18.7
10 28	2 14.39	+ 3 42.6	0.941	1.928	4.9	18.6
11 7	2 5.94	+ 2 26.1	0.971	1.939	8.8	18.9
11 17	1 59.21	+ 1 36.4	1.023	1.951	13.8	19.2
11 27	1 55.26	+ 1 17.2	1.095	1.964	18.3	19.5
12 7	1 54.53	+ 1 26.8	1.183	1.978	22.0	19.8

57259 2001 QO_{105} 10 28.9 34°.26 1°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.48	+19 2.0	1.668	2.534	14.1	18.7
10 8	2 31.57	+19 2.9	1.610	2.541	10.3	18.5
10 18	2 23.58	+18 50.7	1.576	2.549	6.0	18.3
10 28	2 14.45	+18 27.4	1.567	2.558	2.1	18.1
11 7	2 5.35	+17 56.9	1.586	2.567	4.1	18.2
11 17	1 57.42	+17 24.8	1.633	2.576	8.3	18.5
11 27	1 51.57	+16 57.0	1.704	2.586	12.1	18.7
12 7	1 48.32	+16 38.0	1.797	2.596	15.3	19.0

479526 2014 BE_{34} 10 28.9 237°.74 0°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.96	+17 9.5	1.864	2.727	13.0	22.2
10 8	2 32.60	+16 53.2	1.785	2.717	9.4	22.0
10 18	2 24.18	+16 25.3	1.730	2.707	5.3	21.7
10 28	2 14.51	+15 48.2	1.703	2.696	1.1	21.4
11 7	2 4.69	+15 6.3	1.704	2.684	4.0	21.6
11 17	1 55.82	+14 25.1	1.734	2.673	8.3	21.8
11 27	1 48.86	+13 50.3	1.790	2.661	12.2	22.0
12 7	1 44.40	+13 26.5	1.868	2.648	15.5	22.2

242258 2003 SY_{296} 10 28.9 47°.85 10°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.82	+39 39.7	1.460	2.242	19.9	19.9
10 8	2 35.24	+40 20.2	1.412	2.262	16.9	19.7
10 18	2 25.72	+40 26.9	1.383	2.284	13.8	19.6
10 28	2 14.63	+39 56.4	1.375	2.305	11.2	19.5
11 7	2 3.75	+38 51.6	1.390	2.328	10.2	19.5
11 17	1 54.70	+37 21.2	1.430	2.350	11.3	19.6
11 27	1 48.65	+35 38.1	1.493	2.373	13.6	19.8
12 7	1 46.08	+33 55.1	1.578	2.396	16.2	20.1

390693 2002 XB_{115} 10 28.9 345°.67 24°.3/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.59	−33 3.4	0.924	1.743	26.3	19.9
10 8	2 43.32	−34 1.6	0.898	1.737	25.1	19.8
10 18	2 30.10	−34 4.6	0.884	1.733	24.3	19.8
10 28	2 15.01	−32 58.3	0.885	1.729	24.4	19.8
11 7	2 0.61	−30 40.2	0.901	1.727	25.4	19.8
11 17	1 49.04	−27 19.9	0.933	1.725	27.0	19.9
11 27	1 41.60	−23 14.2	0.979	1.723	28.9	20.1
12 7	1 38.61	−18 42.4	1.039	1.723	30.7	20.3

247556 2002 RC_{273} 10 28.9 281°.70 5°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.64	+ 2 23.5	1.801	2.691	12.0	20.3
10 8	2 29.50	+ 1 0.6	1.732	2.675	8.8	20.0
10 18	2 22.48	− 0 23.2	1.687	2.659	6.0	19.8
10 28	2 14.37	− 1 39.9	1.670	2.643	5.5	19.8
11 7	2 6.15	− 2 42.0	1.681	2.627	8.0	19.9
11 17	1 58.81	− 3 23.8	1.717	2.611	11.5	20.1
11 27	1 53.22	− 3 42.4	1.776	2.594	14.8	20.2
12 7	1 49.93	− 3 37.8	1.855	2.578	17.6	20.4

286781 2002 JG_{84} 10 28.9 179°.95 0°.4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.76	+17 21.8	1.618	2.486	14.3	21.3
10 8	2 33.25	+16 41.9	1.552	2.487	10.3	21.1
10 18	2 24.51	+15 47.9	1.510	2.488	5.7	20.8
10 28	2 14.54	+14 43.8	1.495	2.488	0.8	20.5
11 7	2 4.58	+13 36.3	1.508	2.488	4.4	20.8
11 17	1 55.83	+12 32.9	1.549	2.487	9.1	21.0
11 27	1 49.28	+11 40.8	1.615	2.486	13.3	21.3
12 7	1 45.48	+11 4.4	1.702	2.484	16.7	21.5

55683 1361 $T\text{-}_{2}$ 10 28.9 189°.78 0°.0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.80	+15 32.6	1.991	2.860	12.0	19.3
10 8	2 30.14	+15 0.1	1.923	2.860	8.5	19.1
10 18	2 22.74	+14 17.8	1.880	2.859	4.6	18.9
10 28	2 14.39	+13 29.3	1.865	2.859	0.4	18.5
11 7	2 6.02	+12 39.3	1.879	2.858	3.8	18.8
11 17	1 58.58	+11 53.4	1.922	2.858	7.8	19.1
11 27	1 52.84	+11 16.4	1.990	2.857	11.3	19.3
12 7	1 49.29	+10 51.8	2.081	2.857	14.3	19.5

482608 2013 AB_{12} 10 28.9 283°.49 7°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.78	+33 51.9	1.872	2.670	15.6	21.1
10 8	2 32.90	+34 8.3	1.776	2.648	12.9	20.9
10 18	2 24.54	+34 0.7	1.701	2.627	10.0	20.7
10 28	2 14.56	+33 26.4	1.651	2.605	7.6	20.5
11 7	2 4.23	+32 26.7	1.626	2.583	7.2	20.4
11 17	1 54.88	+31 7.2	1.629	2.561	9.3	20.5
11 27	1 47.71	+29 37.3	1.657	2.539	12.4	20.7
12 7	1 43.46	+28 7.1	1.708	2.517	15.6	20.8

488726 2004 PZ_{104} 10 28.9 9°.32 7°.5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 10.43	+ 9 7.0	0.461	1.424	19.8	17.9
10 8	2 14.34	+ 6 21.1	0.446	1.426	13.7	17.6
10 18	2 14.94	+ 3 28.4	0.445	1.434	8.5	17.4
10 28	2 13.70	+ 0 57.3	0.460	1.446	8.3	17.5
11 7	2 12.47	− 0 49.7	0.491	1.463	13.0	17.8
11 17	2 12.73	− 1 42.7	0.537	1.484	18.2	18.3
11 27	2 15.52	− 1 42.9	0.597	1.509	22.9	18.7
12 7	2 21.16	− 1 0.1	0.670	1.538	26.6	19.1

489120 2006 CG_{37} 10 28.9 236°.79 4°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.98	+29 13.6	2.709	3.511	11.2	21.5
10 8	2 30.85	+29 23.5	2.617	3.500	8.9	21.3
10 18	2 23.12	+29 18.7	2.549	3.488	6.4	21.1
10 28	2 14.43	+28 58.7	2.509	3.475	4.5	21.0
11 7	2 5.59	+28 25.4	2.498	3.462	4.5	21.0
11 17	1 57.42	+27 41.9	2.517	3.449	6.4	21.1
11 27	1 50.67	+26 53.5	2.564	3.436	8.9	21.2
12 7	1 45.87	+26 5.5	2.635	3.422	11.3	21.4

317723 2003 QT_{48} 10 28.9 117°.39 2°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.30	+24 9.1	2.700	3.526	10.6	21.4
10 8	2 30.81	+24 7.2	2.639	3.544	8.0	21.2
10 18	2 22.96	+23 53.4	2.604	3.561	5.2	21.1
10 28	2 14.42	+23 28.6	2.597	3.579	2.9	20.9
11 7	2 5.94	+22 55.3	2.620	3.595	3.3	21.0
11 17	1 58.26	+22 17.3	2.674	3.612	5.8	21.2
11 27	1 52.01	+21 39.0	2.756	3.627	8.4	21.4
12 7	1 47.58	+21 4.5	2.863	3.643	10.7	21.6

61464 2000 QC_{32} 10 28.9 240°.60 4°.1/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.05	+ 4 27.3	1.728	2.614	12.7	19.2
10 8	2 31.92	+ 3 38.5	1.663	2.607	9.1	19.0
10 18	2 23.78	+ 2 48.8	1.623	2.600	5.5	18.8
10 28	2 14.50	+ 2 4.4	1.610	2.592	4.2	18.7
11 7	2 5.17	+ 1 31.4	1.625	2.584	6.9	18.8
11 17	1 56.85	+ 1 14.1	1.666	2.576	10.7	19.0
11 27	1 50.47	+ 1 15.3	1.731	2.568	14.2	19.2
12 7	1 46.56	+ 1 34.8	1.816	2.560	17.2	19.4

269231 2008 PQ_{19} 10 28.9 329°.43 2°.6/31.2 17

9 28	2 35.69	+22 12.8	2.182	3.028	12.0	20.8
10 8	2 30.08	+22 15.1	2.107	3.024	9.0	20.6
10 18	2 22.75	+22 4.6	2.056	3.021	5.7	20.4
10 28	2 14.41	+21 42.2	2.032	3.018	2.8	20.2
11 7	2 6.00	+21 10.8	2.037	3.015	3.7	20.3
11 17	1 58.40	+20 34.7	2.070	3.012	6.9	20.5
11 27	1 52.43	+19 59.2	2.130	3.009	10.2	20.7
12 7	1 48.60	+19 29.0	2.214	3.006	13.0	20.9

345918 2007 RU_{174} 10 28.9 287°.96 2°.1/27.5 18

9 28	2 37.15	+ 9 36.1	1.736	2.619	12.8	20.9
10 8	2 31.43	+ 9 4.9	1.657	2.601	9.0	20.7
10 18	2 23.61	+ 8 28.0	1.603	2.584	4.9	20.4
10 28	2 14.50	+ 7 49.9	1.575	2.566	2.1	20.2
11 7	2 5.19	+ 7 16.0	1.576	2.549	5.4	20.4
11 17	1 56.79	+ 6 51.7	1.603	2.531	9.7	20.6
11 27	1 50.30	+ 6 41.1	1.655	2.513	13.7	20.8
12 7	1 46.33	+ 6 46.3	1.728	2.496	17.1	21.0

481690 2008 AO_{39} 10 28.9 338°.87 4°.2/26.4 17

9 28	2 34.04	+ 5 49.3	1.345	2.247	14.4	20.6
10 8	2 29.57	+ 5 7.3	1.280	2.231	10.3	20.3
10 18	2 22.72	+ 4 22.8	1.236	2.217	6.1	20.1
10 28	2 14.42	+ 3 42.8	1.218	2.204	4.2	19.9
11 7	2 5.97	+ 3 14.7	1.224	2.192	7.5	20.1
11 17	1 58.66	+ 3 3.9	1.255	2.181	12.0	20.3
11 27	1 53.58	+ 3 13.8	1.308	2.171	16.3	20.5
12 7	1 51.38	+ 3 44.4	1.378	2.163	19.9	20.8

298652 2004 BV_{118} 10 28.9 328°.17 5°.4/26.7 18

9 28	2 40.11	+ 0 51.9	1.322	2.216	15.2	19.3
10 8	2 34.14	+ 0 52.2	1.245	2.190	11.2	19.0
10 18	2 25.34	+ 0 59.2	1.189	2.165	7.2	18.7
10 28	2 14.68	+ 1 18.6	1.159	2.141	5.5	18.5
11 7	2 3.58	+ 1 54.8	1.154	2.118	8.4	18.6
11 17	1 53.59	+ 2 49.9	1.173	2.096	13.0	18.8
11 27	1 46.08	+ 4 3.6	1.215	2.075	17.5	19.0
12 7	1 41.84	+ 5 33.6	1.275	2.056	21.4	19.2

351064 2003 SQ_{401} 10 28.9 323°.01 7°.7/25.2 18

9 28	2 44.01	− 7 30.6	1.680	2.549	13.8	20.3
10 8	2 36.09	− 7 41.2	1.624	2.546	10.9	20.1
10 18	2 25.99	− 7 38.4	1.591	2.542	8.4	19.9
10 28	2 14.71	− 7 16.8	1.584	2.539	7.8	19.9
11 7	2 3.49	− 6 33.4	1.606	2.536	9.7	20.0
11 17	1 53.51	− 5 28.3	1.653	2.533	12.6	20.2
11 27	1 45.73	− 4 4.3	1.725	2.531	15.6	20.4
12 7	1 40.67	− 2 25.3	1.816	2.528	18.3	20.6

363687 2004 TC_{143} 10 28.9 25°.82 0°.9/29.8 18

9 28	2 33.36	+19 20.4	1.899	2.764	12.7	19.9
10 8	2 28.47	+18 30.8	1.836	2.768	9.1	19.6
10 18	2 21.86	+17 27.4	1.797	2.773	5.1	19.4
10 28	2 14.34	+16 14.0	1.786	2.778	1.2	19.1
11 7	2 6.88	+14 57.1	1.803	2.784	3.6	19.3
11 17	2 0.39	+13 43.3	1.848	2.789	7.7	19.6
11 27	1 55.63	+12 39.2	1.920	2.795	11.3	19.8
12 7	1 53.06	+11 49.2	2.014	2.802	14.3	20.1

253408 2003 QM_{14} 10 28.9 17°.79 3°.5/31.2 17

9 28	2 36.51	+23 22.0	1.083	1.962	19.0	19.9
10 8	2 31.74	+23 1.8	1.031	1.965	14.3	19.6
10 18	2 23.97	+22 15.7	0.997	1.970	8.9	19.4
10 28	2 14.53	+21 6.8	0.986	1.975	4.1	19.1
11 7	2 5.16	+19 43.8	0.999	1.981	5.5	19.2
11 17	1 57.50	+18 18.3	1.036	1.988	10.7	19.5
11 27	1 52.78	+17 2.6	1.095	1.996	15.6	19.9
12 7	1 51.54	+16 4.9	1.172	2.004	19.8	20.1

260419 2004 XC_{65} 10 28.9 346°.67 4°.3/ 2.3 18

9 28	2 34.81	+29 18.3	2.181	2.999	13.0	20.0
10 8	2 29.50	+29 3.2	2.104	2.997	10.2	19.9
10 18	2 22.44	+28 29.1	2.051	2.996	7.3	19.7
10 28	2 14.41	+27 36.8	2.023	2.996	4.8	19.5
11 7	2 6.36	+26 29.9	2.024	2.995	4.7	19.5
11 17	1 59.21	+25 14.2	2.054	2.994	7.1	19.7
11 27	1 53.77	+23 56.9	2.110	2.993	10.0	19.9
12 7	1 50.51	+22 44.8	2.191	2.993	12.8	20.0

209124 2003 SQ_{185} 10 28.9 93°.66 3°.5/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.68	+ 8 48.5	1.353	2.244	15.1	20.2
10 8	2 33.16	+ 7 31.4	1.313	2.261	10.5	19.9
10 18	2 24.41	+ 6 9.1	1.297	2.277	5.8	19.7
10 28	2 14.58	+ 4 50.2	1.306	2.294	3.6	19.6
11 7	2 5.03	+ 3 43.8	1.342	2.310	7.0	19.9
11 17	1 56.99	+ 2 56.3	1.404	2.325	11.4	20.2
11 27	1 51.36	+ 2 31.5	1.489	2.340	15.4	20.5
12 7	1 48.57	+ 2 29.2	1.593	2.355	18.5	20.7

121933 2000 EG_{1} 10 28.9 175°.60 1°.5/30.6 18

9 28	2 34.70	+20 41.2	2.776	3.618	9.8	20.6
10 8	2 29.03	+20 25.3	2.702	3.620	7.2	20.4
10 18	2 22.06	+19 59.5	2.653	3.621	4.3	20.2
10 28	2 14.39	+19 25.3	2.633	3.622	1.8	20.0
11 7	2 6.69	+18 45.6	2.644	3.623	2.8	20.1
11 17	1 59.67	+18 4.1	2.684	3.623	5.7	20.3
11 27	1 53.92	+17 24.9	2.753	3.623	8.5	20.5
12 7	1 49.85	+16 51.6	2.847	3.623	10.8	20.6

159673 2002 GR_{128} 10 28.9 33°.85 1°.5/29.9 18

9 28	2 37.24	+18 55.8	1.488	2.360	15.1	19.4
10 8	2 31.61	+18 35.8	1.430	2.366	11.0	19.1
10 18	2 23.69	+18 0.5	1.395	2.371	6.3	18.9
10 28	2 14.53	+17 13.1	1.385	2.377	1.8	18.6
11 7	2 5.42	+16 19.6	1.402	2.384	4.3	18.8
11 17	1 57.58	+15 27.3	1.446	2.390	9.0	19.1
11 27	1 52.02	+14 43.3	1.514	2.397	13.2	19.4
12 7	1 49.25	+14 12.7	1.602	2.405	16.7	19.6

404466 2013 GJ_{124} 10 28.9 86°.48 0°.3/29.2 18

9 28	2 36.09	+15 44.2	2.052	2.919	11.8	21.4
10 8	2 30.29	+15 23.6	1.990	2.924	8.4	21.2
10 18	2 22.82	+14 53.9	1.952	2.930	4.6	21.0
10 28	2 14.45	+14 18.2	1.943	2.936	0.6	20.7
11 7	2 6.12	+13 40.5	1.962	2.942	3.6	20.9
11 17	1 58.70	+13 5.6	2.010	2.948	7.4	21.2
11 27	1 52.95	+12 37.8	2.085	2.953	10.8	21.4
12 7	1 49.34	+12 20.4	2.182	2.959	13.7	21.6

137652 1999 WJ_{25} 10 28.9 181°.31 0°.9/29.7 16

9 28	2 39.22	+18 32.8	1.680	2.544	14.1	20.9
10 8	2 32.85	+17 56.6	1.613	2.545	10.2	20.6
10 18	2 24.32	+17 5.7	1.569	2.545	5.7	20.4
10 28	2 14.59	+16 3.7	1.552	2.545	1.2	20.1
11 7	2 4.86	+14 56.7	1.564	2.545	4.2	20.3
11 17	1 56.29	+13 52.1	1.604	2.544	8.7	20.5
11 27	1 49.85	+12 57.0	1.669	2.542	12.8	20.8
12 7	1 46.07	+12 16.5	1.756	2.541	16.2	21.0

216852 2007 VR_{257} 10 28.9 343°.37 0°.8/29.5 18

9 28	2 38.38	+16 17.9	1.737	2.606	13.5	20.0
10 8	2 32.25	+16 15.8	1.670	2.605	9.7	19.7
10 18	2 24.01	+16 3.4	1.626	2.604	5.4	19.5
10 28	2 14.57	+15 42.8	1.610	2.603	1.1	19.2
11 7	2 5.06	+15 18.0	1.621	2.602	4.0	19.4
11 17	1 56.61	+14 53.7	1.660	2.601	8.4	19.7
11 27	1 50.16	+14 35.3	1.725	2.600	12.3	19.9
12 7	1 46.29	+14 26.5	1.810	2.599	15.6	20.1

130255 2000 DQ_{18} 10 28.9 257°.86 1°.9/27.0 17

9 28	2 33.65	+ 9 8.9	2.568	3.442	9.5	20.8
10 8	2 28.40	+ 8 23.7	2.485	3.425	6.6	20.6
10 18	2 21.79	+ 7 34.1	2.428	3.408	3.6	20.3
10 28	2 14.37	+ 6 44.0	2.401	3.390	1.9	20.2
11 7	2 6.86	+ 5 57.6	2.404	3.372	4.2	20.3
11 17	1 59.96	+ 5 19.0	2.436	3.354	7.4	20.5
11 27	1 54.31	+ 4 51.4	2.495	3.335	10.3	20.7
12 7	1 50.36	+ 4 36.8	2.576	3.317	12.8	20.8

172701 2004 BM_{25} 10 28.9 271°.89 1°.2/29.9 18

9 28	2 36.85	+18 37.3	1.919	2.780	12.7	20.5
10 8	2 31.14	+18 18.1	1.836	2.766	9.3	20.2
10 18	2 23.44	+17 46.3	1.776	2.751	5.4	20.0
10 28	2 14.53	+17 3.8	1.744	2.736	1.5	19.7
11 7	2 5.44	+16 15.2	1.741	2.721	3.8	19.8
11 17	1 57.23	+15 26.1	1.765	2.706	8.0	20.1
11 27	1 50.82	+14 42.6	1.816	2.690	11.9	20.3
12 7	1 46.81	+14 9.7	1.889	2.675	15.2	20.5

449240 2013 CL_{169} 10 28.9 150°.06 1°.2/27.9 18

9 28	2 36.80	+11 11.8	2.167	3.039	11.0	21.4
10 8	2 30.69	+10 43.9	2.105	3.044	7.7	21.2
10 18	2 23.01	+10 10.8	2.069	3.049	4.1	21.0
10 28	2 14.48	+ 9 35.9	2.061	3.053	1.2	20.8
11 7	2 5.99	+ 9 3.5	2.083	3.057	4.1	21.0
11 17	1 58.36	+ 8 37.4	2.134	3.061	7.7	21.2
11 27	1 52.32	+ 8 21.2	2.211	3.065	10.9	21.4
12 7	1 48.32	+ 8 16.6	2.310	3.068	13.6	21.6

252464 2001 TO_{241} 10 28.9 330°.75 1°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.36	+12 25.4	1.907	2.784	12.0	20.6
10 8	2 29.89	+11 47.6	1.842	2.783	8.5	20.3
10 18	2 22.66	+11 2.3	1.801	2.782	4.5	20.1
10 28	2 14.45	+10 13.8	1.788	2.781	1.1	19.8
11 7	2 6.24	+ 9 27.3	1.804	2.780	4.4	20.1
11 17	1 58.95	+ 8 48.2	1.848	2.779	8.4	20.3
11 27	1 53.39	+ 8 20.7	1.917	2.778	12.0	20.6
12 7	1 50.06	+ 8 7.3	2.007	2.777	15.0	20.8

448852 2011 UM_{127} 10 28.9 309°.27 3°.6/26.7 18

9 28	2 37.45	+ 5 9.1	1.667	2.555	12.9	20.6
10 8	2 31.73	+ 4 44.8	1.591	2.536	9.3	20.3
10 18	2 23.82	+ 4 19.7	1.538	2.516	5.5	20.1
10 28	2 14.57	+ 3 59.0	1.512	2.498	3.6	19.9
11 7	2 5.10	+ 3 47.7	1.513	2.479	6.5	20.1
11 17	1 56.57	+ 3 49.7	1.541	2.461	10.6	20.3
11 27	1 49.99	+ 4 7.8	1.592	2.443	14.5	20.5
12 7	1 46.01	+ 4 42.2	1.663	2.426	17.9	20.7

475416 2006 KE_{22} 10 28.9 123°.04 3°.5/26.6 18

9 28	2 40.11	+ 4 0.7	1.950	2.827	11.8	21.2
10 8	2 33.05	+ 3 37.0	1.899	2.838	8.4	21.0
10 18	2 24.26	+ 3 14.4	1.874	2.849	5.0	20.9
10 28	2 14.60	+ 2 57.0	1.877	2.860	3.5	20.8
11 7	2 5.06	+ 2 48.7	1.909	2.870	5.9	21.0
11 17	1 56.57	+ 2 52.3	1.969	2.880	9.2	21.2
11 27	1 49.90	+ 3 9.1	2.054	2.889	12.4	21.4
12 7	1 45.50	+ 3 39.1	2.161	2.899	15.0	21.6

233827 2008 UF_{244} 10 28.9 358°.34 3°.2/23.9 18

9 28	2 27.94	− 2 15.9	4.063	4.936	6.3	19.9
10 8	2 23.96	− 2 49.5	4.006	4.936	4.7	19.8
10 18	2 19.25	− 3 20.1	3.976	4.936	3.5	19.7
10 28	2 14.15	− 3 45.1	3.976	4.936	3.4	19.7
11 7	2 9.06	− 4 2.5	4.006	4.935	4.4	19.8
11 17	2 4.36	− 4 10.7	4.064	4.935	6.0	19.9
11 27	2 0.39	− 4 8.8	4.147	4.935	7.5	20.0
12 7	1 57.42	− 3 56.9	4.254	4.936	8.9	20.1

24358 2000 AV_{117} 10 28.9 176°.29 0°.4/29.5 18

9 28	2 33.94	+17 7.9	2.673	3.529	9.7	18.9
10 8	2 28.51	+16 36.0	2.601	3.530	7.0	18.7
10 18	2 21.79	+15 55.7	2.556	3.531	3.8	18.5
10 28	2 14.39	+15 9.4	2.539	3.532	0.7	18.3
11 7	2 6.98	+14 20.8	2.553	3.533	2.9	18.5
11 17	2 0.25	+13 33.9	2.597	3.533	6.1	18.7
11 27	1 54.80	+12 52.8	2.669	3.533	8.9	18.9
12 7	1 51.02	+12 20.5	2.765	3.532	11.4	19.0

53227 1999 CH_{98} 10 28.9 256°.42 0°.5/28.6 18

9 28	2 36.39	+13 41.6	1.919	2.793	12.2	19.1
10 8	2 30.64	+13 14.6	1.852	2.791	8.6	18.9
10 18	2 23.07	+12 39.5	1.810	2.790	4.6	18.6
10 28	2 14.50	+11 59.6	1.795	2.788	0.6	18.3
11 7	2 5.90	+11 19.9	1.809	2.787	4.1	18.6
11 17	1 58.24	+10 45.3	1.851	2.785	8.2	18.8
11 27	1 52.34	+10 20.2	1.919	2.784	11.8	19.1
12 7	1 48.70	+10 7.6	2.008	2.782	14.8	19.3

382421 1998 SJ_{53} 10 28.9 353°.95 0°.4/29.2 18

9 28	2 35.21	+15 9.5	1.047	1.948	17.7	20.6
10 8	2 30.93	+15 4.1	0.990	1.941	12.7	20.3
10 18	2 23.65	+14 44.7	0.953	1.935	7.0	19.9
10 28	2 14.57	+14 15.2	0.938	1.931	0.8	19.5
11 7	2 5.35	+13 42.6	0.946	1.929	5.6	19.9
11 17	1 57.66	+13 14.4	0.978	1.927	11.5	20.2
11 27	1 52.85	+12 58.3	1.030	1.928	16.7	20.5
12 7	1 51.56	+12 58.6	1.100	1.930	21.0	20.8

182283 2001 KT_{27} 10 28.9 126°.63 1°.2/28.2 16

9 28	2 40.86	+12 2.6	1.705	2.580	13.4	20.9
10 8	2 33.80	+11 31.2	1.653	2.593	9.4	20.7
10 18	2 24.73	+10 52.6	1.625	2.605	5.0	20.5
10 28	2 14.65	+10 11.2	1.625	2.617	1.2	20.2
11 7	2 4.71	+ 9 32.4	1.653	2.629	4.8	20.5
11 17	1 56.00	+ 9 1.4	1.710	2.640	9.0	20.8
11 27	1 49.38	+ 8 42.4	1.791	2.650	12.8	21.0
12 7	1 45.32	+ 8 37.6	1.894	2.660	15.9	21.3

521427 2015 MW_{148} 10 28.9 28°.59 1°.8/27.5 18

9 28	2 35.01	+11 33.7	1.714	2.598	12.8	21.6
10 8	2 29.75	+10 37.1	1.656	2.601	9.0	21.4
10 18	2 22.62	+ 9 32.7	1.621	2.603	4.8	21.1
10 28	2 14.47	+ 8 26.3	1.614	2.606	1.8	20.9
11 7	2 6.38	+ 7 24.8	1.635	2.609	5.2	21.2
11 17	1 59.32	+ 6 34.3	1.683	2.612	9.3	21.4
11 27	1 54.15	+ 5 59.5	1.756	2.615	13.0	21.7
12 7	1 51.33	+ 5 42.5	1.849	2.618	16.1	21.9

82692 2001 PH_{34} 10 28.9 142°.15 2°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.36	+25 47.8	2.147	2.979	12.7	20.1
10 8	2 30.50	+25 12.1	2.077	2.985	9.6	19.9
10 18	2 22.95	+24 19.1	2.031	2.991	6.3	19.7
10 28	2 14.50	+23 10.8	2.013	2.996	3.3	19.5
11 7	2 6.12	+21 52.1	2.024	3.002	3.8	19.6
11 17	1 58.71	+20 29.5	2.065	3.007	6.9	19.8
11 27	1 53.02	+19 10.1	2.133	3.011	10.2	20.0
12 7	1 49.50	+18 0.1	2.225	3.016	13.0	20.2

470580 2008 HZ_{34} 10 28.9 74°.60 10°.7/23.7 18

9 28	2 44.37	−12 46.4	1.461	2.327	15.8	20.4
10 8	2 36.12	−13 35.9	1.443	2.352	12.9	20.3
10 18	2 25.84	−14 4.6	1.447	2.377	11.0	20.3
10 28	2 14.75	−14 5.4	1.475	2.402	10.9	20.3
11 7	2 4.20	−13 35.9	1.528	2.427	12.4	20.5
11 17	1 55.31	−12 37.9	1.605	2.452	14.8	20.7
11 27	1 48.88	−11 16.1	1.702	2.476	17.2	20.9
12 7	1 45.24	− 9 36.7	1.818	2.500	19.2	21.2

306055 2010 GJ_{28} 10 28.9 91°.16 5°.6/25.4 16

9 28	2 41.79	− 2 43.3	1.945	2.817	12.1	21.6
10 8	2 34.07	− 3 9.1	1.910	2.840	9.0	21.5
10 18	2 24.72	− 3 27.5	1.902	2.864	6.4	21.4
10 28	2 14.66	− 3 34.0	1.921	2.887	5.7	21.4
11 7	2 4.89	− 3 25.5	1.969	2.909	7.5	21.5
11 17	1 56.30	− 3 0.9	2.045	2.932	10.2	21.7
11 27	1 49.59	− 2 20.9	2.145	2.953	12.9	22.0
12 7	1 45.16	− 1 27.5	2.266	2.975	15.2	22.2

13102 1993 FU_{11} 10 28.9 106°.76 2°.3/27.2 18

9 28	2 37.41	+ 9 6.9	1.783	2.665	12.5	18.4
10 8	2 31.33	+ 8 23.0	1.729	2.673	8.8	18.2
10 18	2 23.42	+ 7 34.7	1.700	2.681	4.8	18.0
10 28	2 14.56	+ 6 47.1	1.699	2.689	2.4	17.9
11 7	2 5.79	+ 6 5.9	1.726	2.696	5.3	18.1
11 17	1 58.10	+ 5 35.9	1.780	2.704	9.2	18.3
11 27	1 52.28	+ 5 20.5	1.860	2.711	12.7	18.6
12 7	1 48.82	+ 5 20.9	1.960	2.718	15.6	18.8

315115 2007 EJ_{51} 10 28.9 105°.79 5°.0/ 2.5 18

9 28	2 38.58	+29 59.9	2.305	3.110	12.8	20.0
10 8	2 32.13	+30 21.5	2.235	3.117	10.2	19.9
10 18	2 23.88	+30 26.0	2.189	3.125	7.5	19.7
10 28	2 14.61	+30 12.7	2.169	3.132	5.4	19.6
11 7	2 5.29	+29 43.5	2.177	3.139	5.2	19.6
11 17	1 56.89	+29 2.5	2.214	3.146	7.2	19.7
11 27	1 50.23	+28 15.8	2.278	3.153	9.8	19.9
12 7	1 45.82	+27 29.4	2.366	3.160	12.3	20.1

515957 2015 RJ_{78} 10 28.9 191°.64 1°.4/27.6 18

9 28	2 35.16	+11 54.0	2.198	3.071	10.9	21.8
10 8	2 29.57	+10 56.9	2.130	3.070	7.6	21.6
10 18	2 22.44	+ 9 52.8	2.088	3.069	4.0	21.4
10 28	2 14.49	+ 8 46.4	2.075	3.067	1.4	21.2
11 7	2 6.54	+ 7 43.1	2.092	3.065	4.3	21.4
11 17	1 59.40	+ 6 48.1	2.138	3.062	7.9	21.6
11 27	1 53.79	+ 6 5.8	2.210	3.060	11.1	21.8
12 7	1 50.14	+ 5 38.5	2.305	3.056	13.8	22.0

246167 Joskohn 10 28.9 63°.94 5°.5/ 2.8 18

9 28	2 39.00	+30 44.5	1.614	2.437	16.6	19.8
10 8	2 32.74	+30 30.7	1.563	2.457	13.0	19.6
10 18	2 24.25	+29 51.6	1.533	2.478	9.3	19.4
10 28	2 14.64	+28 48.3	1.528	2.499	6.2	19.3
11 7	2 5.28	+27 26.5	1.550	2.520	5.9	19.3
11 17	1 57.36	+25 55.1	1.599	2.541	8.5	19.5
11 27	1 51.82	+24 24.1	1.673	2.562	11.9	19.8
12 7	1 49.08	+23 2.3	1.771	2.583	15.0	20.0

4340 Dence 10 28.9 105°.43 11°.8/22.6 18 A

9 28	2 46.69	−19 27.2	1.751	2.582	15.1	16.7
10 8	2 37.57	−20 14.1	1.731	2.604	13.1	16.6
10 18	2 26.58	−20 37.0	1.734	2.626	12.0	16.6
10 28	2 14.85	−20 29.5	1.762	2.647	12.0	16.7
11 7	2 3.63	−19 49.9	1.814	2.667	13.2	16.8
11 17	1 53.96	−18 40.6	1.890	2.687	14.9	17.0
11 27	1 46.62	−17 6.8	1.987	2.706	16.8	17.1
12 7	1 41.94	−15 15.3	2.102	2.724	18.4	17.3

213395 2001 UN_{190} 10 28.9 86°.87 0°.2/29.2 18

9 28	2 35.86	+16 50.5	1.915	2.782	12.5	21.1
10 8	2 30.19	+16 8.5	1.857	2.793	8.9	20.9
10 18	2 22.80	+15 15.3	1.825	2.803	4.8	20.7
10 28	2 14.52	+14 15.1	1.820	2.813	0.6	20.4
11 7	2 6.34	+13 13.4	1.843	2.823	3.8	20.6
11 17	1 59.18	+12 16.3	1.896	2.833	7.8	20.9
11 27	1 53.79	+11 29.1	1.974	2.843	11.3	21.1
12 7	1 50.61	+10 55.4	2.074	2.853	14.3	21.4

36344 2000 NP_{19} 10 28.9 42°.61 5°.8/ 1.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.18	+26 55.2	1.054	1.919	20.5	17.8
10 8	2 34.37	+27 3.2	1.011	1.934	15.8	17.6
10 18	2 25.39	+26 41.7	0.988	1.950	10.7	17.4
10 28	2 14.76	+25 51.8	0.985	1.967	6.4	17.2
11 7	2 4.38	+24 40.5	1.007	1.984	6.7	17.3
11 17	1 56.00	+23 19.5	1.052	2.002	10.8	17.6
11 27	1 50.83	+22 2.0	1.119	2.021	15.3	17.9
12 7	1 49.34	+20 57.8	1.205	2.040	19.2	18.2

191393 2003 SO_{47} 10 28.9 334°.92 9°.2/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.11	+39 36.8	2.122	2.873	15.4	19.4
10 8	2 35.29	+40 48.5	2.042	2.867	13.4	19.2
10 18	2 25.90	+41 37.9	1.983	2.862	11.3	19.1
10 28	2 14.83	+42 0.3	1.947	2.857	9.7	19.0
11 7	2 3.37	+41 54.7	1.937	2.853	9.2	18.9
11 17	1 52.89	+41 23.7	1.952	2.849	10.1	19.0
11 27	1 44.61	+40 34.5	1.992	2.845	12.0	19.1
12 7	1 39.31	+39 36.0	2.054	2.841	14.1	19.2

131204 2001 DE_{32} 10 28.9 121°.05 4°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.35	+ 0 50.8	2.018	2.898	11.4	20.1
10 8	2 31.04	− 0 12.0	1.975	2.913	8.3	20.0
10 18	2 23.18	− 1 11.5	1.958	2.927	5.6	19.8
10 28	2 14.56	− 2 1.7	1.970	2.940	5.1	19.8
11 7	2 6.10	− 2 37.7	2.010	2.953	7.1	20.0
11 17	1 58.63	− 2 56.2	2.077	2.966	10.0	20.2
11 27	1 52.84	− 2 56.1	2.168	2.978	12.7	20.4
12 7	1 49.13	− 2 38.4	2.280	2.990	15.0	20.6

23922 Tawadros 10 28.9 34°.60 2°.0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.05	+ 9 25.6	1.831	2.715	12.1	18.4
10 8	2 29.64	+ 8 53.8	1.781	2.725	8.5	18.2
10 18	2 22.51	+ 8 17.9	1.754	2.736	4.6	18.0
10 28	2 14.50	+ 7 42.5	1.756	2.746	2.0	17.9
11 7	2 6.59	+ 7 12.3	1.785	2.757	4.9	18.1
11 17	1 59.68	+ 6 51.5	1.841	2.769	8.7	18.3
11 27	1 54.53	+ 6 43.2	1.923	2.781	12.1	18.6
12 7	1 51.59	+ 6 48.8	2.025	2.793	14.9	18.8

287378 2002 VQ_{13} 10 28.9 341°.26 18°.3/27.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.35	−22 25.2	0.881	1.734	24.6	19.3
10 8	2 47.77	−22 22.3	0.835	1.727	21.6	19.0
10 18	2 32.81	−21 31.9	0.805	1.721	19.2	18.9
10 28	2 15.45	−19 40.2	0.794	1.715	18.3	18.8
11 7	1 58.42	−16 46.5	0.804	1.711	19.6	18.9
11 17	1 44.19	−13 3.6	0.835	1.708	22.4	19.0
11 27	1 34.38	− 8 51.2	0.886	1.705	25.9	19.3
12 7	1 29.48	− 4 28.6	0.954	1.704	29.0	19.5

87684 2000 SY_{2} 10 28.9 186°.80 28°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 53.06	−12 44.8	0.538	1.382	36.6	16.9
10 8	3 30.15	−20 14.8	0.509	1.400	31.0	16.7
10 18	2 57.14	−27 12.9	0.502	1.409	28.4	16.6
10 28	2 17.70	−32 13.9	0.521	1.409	30.1	16.7
11 7	1 39.23	−34 36.2	0.561	1.399	34.7	17.0
11 17	1 8.28	−34 41.5	0.615	1.379	39.8	17.3
11 27	0 47.34	−33 18.3	0.677	1.350	44.4	17.6
12 7	0 35.45	−31 8.4	0.739	1.310	48.2	17.8

517102 2013 ET_{19} 10 28.9 21°.83 2°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.00	+ 9 20.8	1.807	2.692	12.2	21.2
10 8	2 29.69	+ 8 26.5	1.748	2.693	8.6	21.0
10 18	2 22.59	+ 7 26.9	1.714	2.694	4.7	20.7
10 28	2 14.52	+ 6 27.7	1.707	2.696	2.5	20.6
11 7	2 6.48	+ 5 35.0	1.728	2.697	5.4	20.8
11 17	1 59.43	+ 4 54.4	1.776	2.699	9.3	21.0
11 27	1 54.15	+ 4 29.6	1.849	2.701	12.8	21.2
12 7	1 51.13	+ 4 22.0	1.943	2.703	15.7	21.5

201070 2002 EM_{120} 10 28.9 66°.06 1°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.79	+12 23.0	1.516	2.400	14.2	19.6
10 8	2 31.77	+11 36.5	1.471	2.416	9.9	19.4
10 18	2 23.70	+10 41.7	1.450	2.432	5.2	19.2
10 28	2 14.61	+ 9 44.5	1.455	2.447	1.4	19.0
11 7	2 5.73	+ 8 51.6	1.487	2.463	5.2	19.2
11 17	1 58.15	+ 8 9.4	1.547	2.479	9.6	19.5
11 27	1 52.74	+ 7 42.4	1.630	2.495	13.5	19.8
12 7	1 49.94	+ 7 32.5	1.733	2.511	16.7	20.1

343748 2011 FM_{36} 10 28.9 60°.21 4°.5/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.36	+ 4 51.5	1.369	2.261	14.9	19.9
10 8	2 33.44	+ 3 53.6	1.345	2.292	10.5	19.7
10 18	2 24.48	+ 2 57.2	1.345	2.323	6.2	19.6
10 28	2 14.67	+ 2 9.6	1.371	2.354	4.6	19.5
11 7	2 5.34	+ 1 37.1	1.423	2.385	7.5	19.8
11 17	1 57.58	+ 1 23.3	1.501	2.416	11.3	20.1
11 27	1 52.19	+ 1 29.5	1.602	2.447	14.8	20.4
12 7	1 49.50	+ 1 54.1	1.722	2.477	17.6	20.7

401259 2012 BG_{93} 10 28.9 79°.01 5°.1/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.44	− 0 35.4	2.063	2.945	11.1	20.9
10 8	2 29.70	− 1 28.7	2.020	2.957	8.1	20.8
10 18	2 22.47	− 2 17.5	2.003	2.969	5.7	20.6
10 28	2 14.51	− 2 56.3	2.013	2.980	5.3	20.6
11 7	2 6.67	− 3 20.6	2.051	2.992	7.2	20.8
11 17	1 59.76	− 3 27.8	2.116	3.004	9.9	21.0
11 27	1 54.43	− 3 17.2	2.205	3.016	12.5	21.2
12 7	1 51.10	− 2 50.0	2.315	3.027	14.8	21.4

7024 1992 PA_{4} 10 28.9 18°.39 0°.1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.32	+15 29.4	1.735	2.612	13.1	16.3
10 8	2 29.29	+15 5.2	1.678	2.618	9.3	16.1
10 18	2 22.40	+14 30.9	1.645	2.624	5.0	15.9
10 28	2 14.51	+13 50.1	1.638	2.631	0.5	15.6
11 7	2 6.66	+13 8.1	1.659	2.639	4.0	15.9
11 17	1 59.85	+12 30.3	1.707	2.647	8.2	16.1
11 27	1 54.90	+12 1.7	1.780	2.656	12.0	16.4
12 7	1 52.29	+11 45.6	1.874	2.665	15.1	16.6

268010 2004 KH_{4} 10 28.9 105°.39 0°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.36	+16 42.2	1.664	2.531	14.1	21.1
10 8	2 33.52	+16 15.1	1.612	2.547	10.0	20.9
10 18	2 24.64	+15 36.2	1.585	2.563	5.5	20.7
10 28	2 14.73	+14 49.1	1.585	2.578	0.8	20.4
11 7	2 4.98	+13 59.6	1.613	2.593	4.1	20.7
11 17	1 56.52	+13 13.8	1.669	2.608	8.6	21.0
11 27	1 50.22	+12 37.5	1.751	2.622	12.4	21.3
12 7	1 46.52	+12 14.3	1.854	2.636	15.6	21.5

191228 2002 RN_{242} 10 28.9 87°.90 2°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.64	+ 6 8.6	2.345	3.224	10.1	20.5
10 8	2 29.00	+ 5 24.9	2.299	3.241	7.0	20.4
10 18	2 22.07	+ 4 40.4	2.280	3.257	4.1	20.2
10 28	2 14.49	+ 3 59.2	2.289	3.274	2.8	20.2
11 7	2 7.03	+ 3 25.4	2.328	3.290	4.9	20.3
11 17	2 0.40	+ 3 2.2	2.395	3.306	7.8	20.5
11 27	1 55.17	+ 2 51.7	2.488	3.322	10.5	20.8
12 7	1 51.73	+ 2 54.6	2.603	3.338	12.8	20.9

516621 2007 YK_{20} 10 28.9 302°.44 2°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.36	+ 7 50.2	1.814	2.698	12.2	21.3
10 8	2 30.70	+ 7 11.6	1.750	2.695	8.6	21.1
10 18	2 23.17	+ 6 29.5	1.711	2.691	4.8	20.8
10 28	2 14.60	+ 5 49.0	1.699	2.687	2.7	20.7
11 7	2 6.00	+ 5 15.4	1.715	2.684	5.6	20.9
11 17	1 58.37	+ 4 53.1	1.758	2.681	9.4	21.1
11 27	1 52.54	+ 4 45.6	1.826	2.677	13.0	21.3
12 7	1 49.03	+ 4 53.7	1.915	2.674	16.0	21.5

512268 2016 EN_{200} 10 28.9 115°.79 1°.5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.85	+11 1.8	1.448	2.326	15.1	21.3
10 8	2 36.16	+10 39.5	1.400	2.341	10.6	21.0
10 18	2 26.11	+10 10.5	1.376	2.356	5.6	20.8
10 28	2 14.86	+ 9 39.4	1.378	2.370	1.5	20.6
11 7	2 3.82	+ 9 11.9	1.408	2.384	5.4	20.9
11 17	1 54.29	+ 8 53.0	1.466	2.397	10.1	21.2
11 27	1 47.24	+ 8 47.0	1.547	2.410	14.2	21.5
12 7	1 43.16	+ 8 55.5	1.649	2.422	17.6	21.7

278271 2007 FT_{37} 10 28.9 159°.62 1°.7/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.45	+11 56.7	1.817	2.694	12.6	21.3
10 8	2 31.40	+10 57.4	1.757	2.699	8.8	21.1
10 18	2 23.51	+ 9 50.1	1.722	2.703	4.7	20.8
10 28	2 14.63	+ 8 40.3	1.714	2.706	1.7	20.6
11 7	2 5.82	+ 7 34.8	1.736	2.709	5.0	20.9
11 17	1 58.05	+ 6 39.6	1.786	2.712	9.0	21.1
11 27	1 52.15	+ 5 59.7	1.860	2.714	12.6	21.4
12 7	1 48.58	+ 5 37.1	1.956	2.716	15.6	21.6

209870 2005 JV_{68} 10 28.9 95°.81 5°.4/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.30	− 0 6.1	1.926	2.809	11.7	20.3
10 8	2 30.37	− 1 14.6	1.886	2.824	8.6	20.1
10 18	2 22.85	− 2 18.7	1.872	2.838	6.0	20.0
10 28	2 14.57	− 3 11.9	1.885	2.852	5.6	20.0
11 7	2 6.46	− 3 49.0	1.926	2.866	7.7	20.2
11 17	1 59.36	− 4 7.0	1.994	2.880	10.5	20.4
11 27	1 53.96	− 4 4.8	2.085	2.893	13.2	20.6
12 7	1 50.68	− 3 43.9	2.196	2.907	15.5	20.8

367051 2006 HR_{31} 10 28.9 247°.81 0°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.72	+17 49.6	2.396	3.253	10.7	21.4
10 8	2 29.28	+17 30.3	2.319	3.248	7.7	21.2
10 18	2 22.34	+17 1.5	2.267	3.242	4.4	21.0
10 28	2 14.54	+16 25.3	2.244	3.237	1.1	20.8
11 7	2 6.69	+15 45.2	2.251	3.231	3.1	20.9
11 17	1 59.56	+15 5.4	2.287	3.225	6.6	21.1
11 27	1 53.85	+14 30.4	2.350	3.219	9.7	21.3
12 7	1 50.02	+14 3.7	2.436	3.213	12.4	21.5