2020	α_{2000}	δ_{2000}	Δ	r	β	V
361466 2007 DV_{14}			7 27.9	27°.83	0°.1/27.9 18	
	h m	° ′			°	m
6 20	20 51.77	−15 55.8	2.127	2.960	13.3	21.1
6 30	20 48.23	−16 38.0	2.048	2.963	10.3	20.9
7 10	20 42.79	−17 30.1	1.992	2.966	6.9	20.7
7 20	20 35.90	−18 28.7	1.962	2.969	3.1	20.4
7 30	20 28.28	−19 29.3	1.958	2.973	0.8	20.3
8 9	20 20.79	−20 27.3	1.982	2.976	4.7	20.6
8 19	20 14.25	−21 18.8	2.033	2.980	8.3	20.8
8 29	20 9.38	−22 1.3	2.108	2.984	11.5	21.0
9258 Johnpauljones			7 27.9	335°.38	1°.7/28.7 18	
6 20	20 53.52	−14 47.2	1.085	1.956	20.7	18.4
6 30	20 51.36	−14 43.1	1.014	1.948	16.5	18.1
7 10	20 45.85	−14 54.5	0.960	1.940	11.4	17.8
7 20	20 37.59	−15 19.3	0.925	1.932	5.7	17.4
7 30	20 27.83	−15 53.0	0.912	1.926	1.9	17.1
8 9	20 18.24	−16 29.4	0.921	1.920	7.3	17.5
8 19	20 10.46	−17 2.8	0.951	1.915	13.0	17.8
8 29	20 5.78	−17 29.0	1.000	1.911	18.1	18.0
74665 1999 RA_{94}			7 27.9	308°.92	0°.4/27.8 18	
6 20	20 52.48	−16 35.9	1.296	2.161	18.4	18.9
6 30	20 50.36	−17 8.7	1.204	2.136	14.6	18.6
7 10	20 45.18	−17 57.7	1.130	2.111	9.9	18.2
7 20	20 37.35	−18 59.2	1.078	2.087	4.5	17.9
7 30	20 27.86	−20 6.8	1.049	2.063	1.4	17.6
8 9	20 18.17	−21 12.4	1.043	2.040	7.3	17.9
8 19	20 9.84	−22 8.7	1.060	2.017	12.9	18.1
8 29	20 4.29	−22 51.3	1.097	1.995	17.9	18.3
42653 1998 FE_{88}			7 27.9	230°.03	4°.9/25.6 18	R
6 20	21 1.41	−28 18.3	1.601	2.452	16.1	18.9
6 30	20 56.71	−29 7.0	1.524	2.447	12.7	18.7
7 10	20 48.99	−29 57.4	1.467	2.440	8.9	18.5
7 20	20 38.89	−30 42.5	1.435	2.434	5.6	18.3
7 30	20 27.52	−31 14.8	1.427	2.427	5.4	18.2
8 9	20 16.38	−31 29.3	1.445	2.420	8.5	18.4
8 19	20 6.84	−31 24.6	1.488	2.413	12.4	18.6
8 29	20 0.03	−31 2.7	1.551	2.405	16.0	18.8
476723 2008 UG_{12}			7 27.9	0°.93	1°.2/27.6 16	
6 20	20 54.63	−21 27.3	1.267	2.138	18.3	20.8
6 30	20 51.70	−21 23.3	1.200	2.135	14.3	20.6
7 10	20 45.72	−21 25.1	1.152	2.134	9.6	20.3
7 20	20 37.39	−21 28.8	1.125	2.134	4.4	20.0
7 30	20 27.92	−21 30.1	1.121	2.135	1.8	19.8
8 9	20 18.84	−21 25.5	1.141	2.137	6.9	20.1
8 19	20 11.50	−21 13.3	1.183	2.140	11.9	20.4
8 29	20 6.95	−20 53.3	1.246	2.145	16.2	20.7
373694 2002 RC_{115}			7 28.0	341°.46	0°.4/28.1 17	
6 20	20 54.12	−19 4.7	1.137	2.012	19.7	20.5
6 30	20 51.74	−18 42.1	1.063	2.000	15.5	20.2
7 10	20 46.03	−18 26.8	1.007	1.990	10.6	19.9
7 20	20 37.65	−18 16.7	0.971	1.980	4.9	19.5
7 30	20 27.84	−18 8.6	0.957	1.972	1.2	19.3
8 9	20 18.26	−17 59.2	0.966	1.965	7.2	19.6
8 19	20 10.49	−17 46.4	0.996	1.959	12.8	19.9
8 29	20 5.78	−17 29.1	1.046	1.955	17.7	20.2
335064 2004 RC_{220}			7 28.0	328°.08	2°.8/27.5 18	
6 20	20 59.34	−27 13.5	1.221	2.093	18.8	20.0
6 30	20 56.12	−26 41.3	1.127	2.063	15.0	19.7
7 10	20 49.24	−26 4.2	1.052	2.033	10.4	19.3
7 20	20 39.24	−25 17.2	0.997	2.004	5.3	18.9
7 30	20 27.41	−24 16.2	0.964	1.977	3.2	18.7
8 9	20 15.58	−23 0.2	0.956	1.951	8.2	18.9
8 19	20 5.61	−21 32.2	0.970	1.926	13.9	19.2
8 29	19 58.97	−19 57.1	1.003	1.903	19.1	19.4
91638 1999 TQ_{82}			7 28.0	330°.45	4°.2/25.7 18	R
6 20	20 53.49	−27 26.0	1.744	2.604	14.6	19.0
6 30	20 50.33	−28 5.2	1.659	2.587	11.5	18.8
7 10	20 44.61	−28 46.7	1.595	2.571	8.0	18.5
7 20	20 36.87	−29 24.9	1.554	2.556	4.9	18.3
7 30	20 28.04	−29 53.7	1.539	2.542	4.6	18.3
8 9	20 19.30	−30 8.7	1.549	2.528	7.6	18.4
8 19	20 11.84	−30 8.0	1.583	2.515	11.3	18.6
8 29	20 6.63	−29 51.9	1.638	2.503	14.8	18.8
121421 1999 TR_{148}			7 28.0	359°.85	1°.3/28.8 18	
6 20	20 51.33	−14 10.2	1.773	2.613	15.3	19.2
6 30	20 48.25	−14 17.5	1.695	2.611	12.0	19.0
7 10	20 42.98	−14 35.8	1.638	2.610	8.2	18.7
7 20	20 36.05	−15 3.1	1.604	2.610	4.1	18.5
7 30	20 28.27	−15 36.1	1.596	2.610	1.4	18.3
8 9	20 20.68	−16 10.7	1.614	2.611	5.1	18.6
8 19	20 14.20	−16 43.4	1.657	2.613	9.2	18.8
8 29	20 9.66	−17 11.2	1.723	2.615	12.8	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431869 2008 SV_{142}			7 28.0	339°.56	10°.9/22.1 18	
	h m	° ′			°	m
6 20	20 55.50	−38 24.4	1.301	2.173	17.9	19.7
6 30	20 53.24	−39 57.4	1.236	2.159	15.0	19.5
7 10	20 47.30	−41 24.5	1.190	2.147	12.4	19.3
7 20	20 38.31	−42 34.0	1.165	2.136	10.9	19.2
7 30	20 27.68	−43 14.4	1.161	2.125	11.6	19.2
8 9	20 17.35	−43 19.8	1.178	2.116	13.9	19.3
8 19	20 9.12	−42 50.3	1.214	2.108	17.0	19.4
8 29	20 4.34	−41 51.4	1.268	2.102	20.1	19.6
25379 1999 TL_{210}			7 28.0	261°.64	4°.6/25.6 18	
6 20	21 1.36	−30 39.9	2.075	2.912	13.5	18.0
6 30	20 56.10	−31 11.0	1.981	2.895	10.7	17.8
7 10	20 48.31	−31 40.9	1.909	2.876	7.7	17.5
7 20	20 38.52	−32 4.0	1.862	2.858	5.1	17.4
7 30	20 27.65	−32 15.0	1.843	2.838	4.9	17.3
8 9	20 16.87	−32 10.6	1.850	2.819	7.5	17.4
8 19	20 7.32	−31 50.1	1.883	2.799	10.7	17.6
8 29	19 59.97	−31 15.1	1.939	2.779	13.8	17.8
95699 2002 JA_{84}			7 28.0	303°.81	4°.7/24.9 18	
6 20	20 55.83	−31 5.1	2.217	3.061	12.5	19.7
6 30	20 51.57	−31 50.6	2.136	3.053	9.9	19.5
7 10	20 45.13	−32 35.1	2.078	3.045	7.2	19.3
7 20	20 37.01	−33 13.3	2.045	3.037	5.0	19.2
7 30	20 28.04	−33 40.3	2.039	3.030	5.1	19.2
8 9	20 19.23	−33 52.7	2.059	3.022	7.3	19.3
8 19	20 11.51	−33 49.5	2.104	3.015	10.1	19.5
8 29	20 5.72	−33 31.6	2.172	3.008	12.8	19.6
441446 2008 HS_{57}			7 28.0	93°.80	0°.5/27.6 18	
6 20	20 52.61	−17 8.1	2.300	3.131	12.5	21.3
6 30	20 48.74	−17 54.4	2.223	3.136	9.7	21.2
7 10	20 43.06	−18 49.0	2.167	3.141	6.4	21.0
7 20	20 36.02	−19 48.5	2.138	3.146	2.9	20.7
7 30	20 28.31	−20 48.6	2.137	3.151	1.0	20.6
8 9	20 20.71	−21 45.0	2.164	3.156	4.6	20.9
8 19	20 14.01	−22 34.2	2.218	3.161	8.0	21.1
8 29	20 8.89	−23 14.1	2.297	3.166	11.0	21.3
254336 2004 SS_{42}			7 28.0	254°.73	6°.1/ 1.9 18	
6 20	20 50.84	+ 1 57.5	2.501	3.252	13.8	20.4
6 30	20 47.22	+ 2 12.4	2.406	3.245	11.8	20.3
7 10	20 42.00	+ 2 11.2	2.330	3.238	9.6	20.1
7 20	20 35.54	+ 1 52.7	2.277	3.230	7.4	20.0
7 30	20 28.43	+ 1 17.1	2.250	3.223	6.2	19.9
8 9	20 21.34	+ 0 26.6	2.249	3.215	6.5	19.9
8 19	20 14.97	− 0 35.1	2.275	3.208	8.3	20.0
8 29	20 9.93	− 1 43.5	2.326	3.200	10.6	20.1
93803 2000 WL_{49}			7 28.0	270°.06	2°.1/28.9 18	
6 20	20 58.75	−13 59.3	2.008	2.826	14.6	19.1
6 30	20 53.96	−13 35.5	1.901	2.803	11.7	18.8
7 10	20 46.86	−13 19.1	1.815	2.780	8.2	18.6
7 20	20 37.89	−13 9.5	1.754	2.756	4.4	18.3
7 30	20 27.83	−13 5.2	1.720	2.732	2.2	18.1
8 9	20 17.70	−13 4.5	1.714	2.708	5.4	18.3
8 19	20 8.53	−13 5.5	1.734	2.683	9.4	18.5
8 29	20 1.27	−13 6.4	1.779	2.658	13.1	18.6
444977 2008 EH_{115}			7 28.0	44°.86	4°.3/26.2 15	
6 20	21 0.66	−30 6.0	1.796	2.642	14.8	20.9
6 30	20 55.26	−30 23.4	1.747	2.666	11.5	20.7
7 10	20 47.43	−30 37.8	1.720	2.690	8.0	20.6
7 20	20 37.94	−30 44.4	1.717	2.715	5.0	20.5
7 30	20 27.88	−30 39.2	1.740	2.740	4.5	20.5
8 9	20 18.45	−30 20.5	1.789	2.765	7.1	20.7
8 19	20 10.63	−29 49.3	1.864	2.791	10.2	20.9
8 29	20 5.15	−29 7.8	1.962	2.817	13.1	21.2
46165 2001 FF_{80}			7 28.0	143°.07	0°.9/28.6 18	
6 20	20 57.99	−15 31.1	2.385	3.199	12.7	19.9
6 30	20 52.67	−15 31.8	2.308	3.210	9.9	19.7
7 10	20 45.54	−15 39.2	2.254	3.220	6.7	19.5
7 20	20 37.11	−15 51.5	2.226	3.230	3.3	19.3
7 30	20 28.07	−16 6.5	2.226	3.240	1.0	19.1
8 9	20 19.25	−16 21.6	2.255	3.249	4.2	19.4
8 19	20 11.42	−16 34.9	2.312	3.257	7.6	19.6
8 29	20 5.20	−16 45.1	2.394	3.265	10.5	19.8
162359 1999 YH_{22}			7 28.0	292°.62	0°.1/27.9 18	
6 20	20 55.19	−17 57.8	1.808	2.649	15.0	21.1
6 30	20 51.48	−18 9.8	1.710	2.629	11.8	20.9
7 10	20 45.34	−18 30.1	1.633	2.609	8.0	20.6
7 20	20 37.24	−18 56.2	1.581	2.589	3.7	20.3
7 30	20 28.00	−19 24.2	1.554	2.568	1.0	20.1
8 9	20 18.73	−19 49.9	1.553	2.548	5.6	20.3
8 19	20 10.54	−20 10.2	1.578	2.528	10.0	20.6
8 29	20 4.42	−20 23.1	1.626	2.508	14.0	20.8

353461 2011 RD_{19} 7 28.0 242°.41 1°.9/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.92	−12 3.3	2.218	3.033	13.4	21.2
6 30	20 49.85	−12 8.0	2.126	3.026	10.7	21.0
7 10	20 43.87	−12 22.9	2.055	3.018	7.5	20.8
7 20	20 36.44	−12 46.8	2.009	3.011	4.1	20.6
7 30	20 28.23	−13 17.2	1.991	3.003	1.9	20.4
8 9	20 20.08	−13 51.0	2.000	2.995	4.6	20.6
8 19	20 12.81	−14 25.2	2.036	2.987	8.1	20.8
8 29	20 7.15	−14 56.9	2.097	2.978	11.3	21.0

511139 2013 YR_{1} 7 28.0 224°.99 2°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.31	−21 52.8	1.958	2.800	14.0	22.0
6 30	20 52.14	−22 53.2	1.874	2.794	10.8	21.8
7 10	20 45.65	−24 1.0	1.812	2.788	7.3	21.5
7 20	20 37.33	−25 11.1	1.775	2.782	3.7	21.3
7 30	20 27.99	−26 17.2	1.766	2.775	2.9	21.3
8 9	20 18.71	−27 13.5	1.784	2.768	6.3	21.5
8 19	20 10.52	−27 56.6	1.828	2.760	10.1	21.7
8 29	20 4.33	−28 25.0	1.895	2.753	13.4	21.9

13349 1998 SD_{139} 7 28.0 4°.22 1°.2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.68	−21 13.8	1.793	2.638	14.9	18.3
6 30	20 52.43	−21 25.7	1.717	2.638	11.6	18.1
7 10	20 45.79	−21 42.8	1.662	2.638	7.7	17.9
7 20	20 37.35	−22 1.3	1.631	2.639	3.5	17.6
7 30	20 28.02	−22 17.4	1.626	2.639	1.7	17.5
8 9	20 18.93	−22 27.7	1.647	2.640	5.7	17.7
8 19	20 11.13	−22 30.3	1.695	2.640	9.8	18.0
8 29	20 5.47	−22 24.7	1.765	2.641	13.3	18.2

190544 2000 RQ_{87} 7 28.0 302°.50 1°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.10	−13 39.3	1.588	2.429	16.7	20.5
6 30	20 50.90	−13 38.1	1.495	2.411	13.3	20.3
7 10	20 45.10	−13 49.3	1.421	2.393	9.3	20.0
7 20	20 37.18	−14 11.5	1.370	2.375	4.8	19.7
7 30	20 28.03	−14 41.7	1.344	2.357	1.9	19.4
8 9	20 18.84	−15 15.5	1.343	2.340	5.9	19.7
8 19	20 10.84	−15 48.9	1.366	2.323	10.7	19.9
8 29	20 5.09	−16 18.1	1.412	2.306	14.9	20.1

367312 2007 YR_{20} 7 28.0 168°.10 3°.8/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.69	−10 32.1	1.722	2.536	16.8	21.1
6 30	20 55.50	− 9 56.2	1.643	2.539	13.5	20.9
7 10	20 47.83	− 9 31.6	1.584	2.541	9.8	20.7
7 20	20 38.28	− 9 18.4	1.548	2.543	5.9	20.4
7 30	20 27.79	− 9 15.7	1.538	2.545	3.8	20.3
8 9	20 17.52	− 9 21.3	1.556	2.546	6.2	20.5
8 19	20 8.58	− 9 32.7	1.598	2.547	10.0	20.7
8 29	20 1.85	− 9 46.8	1.665	2.547	13.7	20.9

113811 2002 TZ_{210} 7 28.0 340°.96 0°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.61	−17 48.3	1.064	1.948	20.1	19.2
6 30	20 48.45	−17 41.9	0.989	1.932	15.9	18.9
7 10	20 44.01	−17 46.9	0.932	1.917	10.8	18.5
7 20	20 36.83	−18 0.9	0.894	1.903	5.1	18.2
7 30	20 28.12	−18 19.3	0.877	1.892	1.2	17.9
8 9	20 19.54	−18 36.8	0.881	1.882	7.4	18.2
8 19	20 12.72	−18 49.1	0.906	1.873	13.2	18.5
8 29	20 8.97	−18 53.3	0.950	1.866	18.3	18.8

509474 2007 RS_{295} 7 28.0 259°.57 4°.0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.57	−27 43.2	1.985	2.831	13.7	21.9
6 30	20 53.15	−28 26.5	1.902	2.822	10.7	21.7
7 10	20 46.32	−29 11.4	1.842	2.814	7.5	21.5
7 20	20 37.62	−29 52.4	1.806	2.806	4.6	21.3
7 30	20 27.95	−30 24.1	1.797	2.797	4.4	21.3
8 9	20 18.41	−30 42.4	1.814	2.789	7.1	21.4
8 19	20 10.08	−30 45.6	1.857	2.780	10.5	21.6
8 29	20 3.86	−30 34.5	1.922	2.771	13.6	21.8

273419 2006 WX_{21} 7 28.0 247°.96 0°.5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.49	−15 24.3	2.054	2.875	14.2	22.5
6 30	20 53.79	−15 45.7	1.948	2.854	11.2	22.2
7 10	20 46.78	−16 17.2	1.863	2.832	7.7	22.0
7 20	20 37.89	−16 56.5	1.803	2.810	3.6	21.7
7 30	20 27.87	−17 39.8	1.771	2.786	0.9	21.4
8 9	20 17.72	−18 22.9	1.767	2.762	5.2	21.7
8 19	20 8.49	−19 1.8	1.791	2.736	9.3	21.9
8 29	20 1.12	−19 34.0	1.838	2.710	13.1	22.1

251904 1999 VY_{122} 7 28.0 301°.54 4°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.78	− 5 9.2	2.217	3.010	14.1	20.4
6 30	20 48.18	− 4 48.2	2.122	3.000	11.7	20.2
7 10	20 42.77	− 4 40.4	2.048	2.990	8.9	20.0
7 20	20 35.95	− 4 46.4	1.998	2.980	6.2	19.9
7 30	20 28.37	− 5 5.5	1.973	2.970	4.6	19.7
8 9	20 20.84	− 5 35.6	1.976	2.960	5.8	19.8
8 19	20 14.12	− 6 13.5	2.004	2.950	8.5	19.9
8 29	20 8.93	− 6 55.4	2.057	2.941	11.4	20.1

203032 2000 BR_{11} 7 28.0 180°.56 0°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.26	−16 7.9	2.469	3.283	12.3	21.5
6 30	20 52.15	−16 10.6	2.382	3.284	9.6	21.3
7 10	20 45.25	−16 19.6	2.318	3.285	6.5	21.1
7 20	20 37.02	−16 33.0	2.280	3.285	3.1	20.9
7 30	20 28.12	−16 48.6	2.270	3.285	0.9	20.7
8 9	20 19.37	−17 4.0	2.290	3.284	4.2	21.0
8 19	20 11.52	−17 17.1	2.337	3.282	7.5	21.2
8 29	20 5.21	−17 26.7	2.411	3.280	10.5	21.4

294878 2008 CP_{211} 7 28.0 78°.60 1°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.84	−20 19.7	1.471	2.321	17.3	20.8
6 30	20 55.23	−20 33.5	1.408	2.332	13.4	20.6
7 10	20 47.81	−20 54.3	1.365	2.343	8.9	20.3
7 20	20 38.28	−21 17.7	1.345	2.353	4.0	20.1
7 30	20 27.82	−21 38.7	1.350	2.364	1.7	19.9
8 9	20 17.79	−21 53.3	1.381	2.375	6.4	20.3
8 19	20 9.44	−21 59.2	1.436	2.385	10.9	20.6
8 29	20 3.69	−21 56.1	1.514	2.396	14.8	20.8

440615 2005 VW_{117} 7 28.0 269°.36 1°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.10	−12 10.1	2.406	3.221	12.5	21.2
6 30	20 48.40	−12 41.6	2.304	3.205	9.9	21.0
7 10	20 42.91	−13 24.4	2.223	3.188	6.9	20.8
7 20	20 36.03	−14 16.8	2.168	3.172	3.5	20.5
7 30	20 28.35	−15 15.3	2.141	3.155	1.3	20.3
8 9	20 20.63	−16 16.1	2.142	3.138	4.3	20.5
8 19	20 13.64	−17 15.2	2.171	3.120	7.7	20.7
8 29	20 8.09	−18 9.1	2.226	3.103	10.9	20.9

20546 1999 RA_{105} 7 28.0 117°.18 1°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.46	−12 17.6	2.446	3.257	12.5	18.4
6 30	20 49.18	−12 21.9	2.367	3.265	9.8	18.3
7 10	20 43.25	−12 35.1	2.310	3.272	6.8	18.1
7 20	20 36.09	−12 55.7	2.279	3.280	3.7	17.9
7 30	20 28.36	−13 21.7	2.276	3.287	1.7	17.8
8 9	20 20.80	−13 50.3	2.300	3.295	4.1	18.0
8 19	20 14.08	−14 18.9	2.353	3.302	7.2	18.2
8 29	20 8.83	−14 45.3	2.431	3.309	10.1	18.4

180397 2004 BB_{5} 7 28.0 219°.99 1°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.48	−19 10.6	1.847	2.683	14.9	21.4
6 30	20 53.93	−19 46.1	1.759	2.676	11.6	21.2
7 10	20 46.91	−20 30.1	1.693	2.668	7.8	20.9
7 20	20 37.93	−21 18.8	1.652	2.660	3.5	20.7
7 30	20 27.88	−22 6.7	1.637	2.651	1.6	20.5
8 9	20 17.90	−22 48.8	1.650	2.641	5.8	20.8
8 19	20 9.08	−23 21.6	1.689	2.631	10.0	21.0
8 29	20 2.40	−23 43.4	1.751	2.620	13.8	21.2

438591 2007 VK_{46} 7 28.0 339°.73 5°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.19	− 7 59.1	1.574	2.399	17.5	20.2
6 30	20 50.00	− 7 11.9	1.491	2.391	14.4	20.0
7 10	20 44.36	− 6 38.3	1.427	2.382	10.8	19.7
7 20	20 36.78	− 6 19.9	1.385	2.375	7.2	19.5
7 30	20 28.18	− 6 16.7	1.366	2.368	5.3	19.4
8 9	20 19.68	− 6 26.9	1.373	2.362	7.1	19.5
8 19	20 12.40	− 6 47.3	1.403	2.356	10.7	19.7
8 29	20 7.29	− 7 13.5	1.455	2.351	14.4	19.9

363421 2003 RG_{8} 7 28.0 356°.23 28°.6/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 31.23	+23 27.8	0.808	1.581	33.9	19.0
6 30	20 34.36	+27 15.2	0.768	1.566	33.4	18.9
7 10	20 34.67	+30 15.1	0.736	1.555	32.7	18.8
7 20	20 32.60	+32 13.3	0.711	1.548	31.9	18.7
7 30	20 29.19	+32 57.6	0.693	1.545	31.0	18.6
8 9	20 25.97	+32 22.9	0.683	1.546	30.0	18.5
8 19	20 24.41	+30 31.1	0.681	1.551	29.2	18.5
8 29	20 25.86	+27 32.4	0.689	1.559	28.6	18.5

508858 2002 PQ_{88} 7 28.0 304°.66 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.81	−17 0.4	1.391	2.249	17.7	21.6
6 30	20 51.43	−17 38.1	1.285	2.213	14.1	21.3
7 10	20 46.01	−18 32.1	1.197	2.177	9.6	20.9
7 20	20 37.86	−19 39.2	1.132	2.141	4.4	20.5
7 30	20 27.84	−20 52.8	1.090	2.105	1.6	20.2
8 9	20 17.35	−22 4.8	1.073	2.069	7.4	20.5
8 19	20 7.99	−23 7.5	1.079	2.033	13.1	20.7
8 29	20 1.28	−23 55.9	1.105	1.997	18.3	20.9

245297 2005 CS_{68} 7 28.0 154°.77 2°.8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.96	−26 32.3	2.092	2.927	13.4	20.5
6 30	20 55.40	−26 47.5	2.016	2.931	10.5	20.3
7 10	20 47.59	−27 2.9	1.963	2.935	7.1	20.1
7 20	20 38.11	−27 14.4	1.935	2.938	3.9	19.9
7 30	20 27.88	−27 18.2	1.935	2.942	3.1	19.9
8 9	20 17.95	−27 11.9	1.963	2.945	6.0	20.1
8 19	20 9.30	−26 55.1	2.017	2.948	9.3	20.3
8 29	20 2.70	−26 28.8	2.095	2.950	12.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
346680 2008 YV_{40}			7 28.0 305.°71		0.°2/27.9 18	
	h m	° ′			°	m
6 20	20 57.36	−19 40.3	1.614	2.462	16.2	20.6
6 30	20 53.62	−19 29.5	1.510	2.432	12.8	20.3
7 10	20 47.07	−19 24.1	1.425	2.402	8.7	20.0
7 20	20 38.16	−19 21.7	1.364	2.372	4.1	19.6
7 30	20 27.81	−19 19.0	1.328	2.343	1.1	19.3
8 9	20 17.32	−19 13.0	1.317	2.313	6.3	19.6
8 19	20 8.03	−19 1.8	1.331	2.284	11.3	19.8
8 29	20 1.13	−18 44.7	1.367	2.255	15.8	20.0
440620 2005 WG_{10}			7 28.0 289.°26		6.°1/23.2 18	
6 20	20 56.09	−33 27.1	2.187	3.031	12.6	20.8
6 30	20 52.10	−34 42.4	2.098	3.012	10.2	20.6
7 10	20 45.73	−35 57.4	2.032	2.992	7.8	20.4
7 20	20 37.43	−37 5.3	1.991	2.973	6.2	20.2
7 30	20 28.01	−37 59.6	1.977	2.953	6.6	20.2
8 9	20 18.56	−38 35.2	1.988	2.933	8.7	20.3
8 19	20 10.17	−38 50.3	2.024	2.914	11.4	20.5
8 29	20 3.81	−38 45.8	2.082	2.894	14.0	20.6
489048 2005 YP_{66}			7 28.0 29.°49		1.°2/27.5 17	
6 20	20 57.77	−21 5.1	1.618	2.468	16.1	21.2
6 30	20 53.51	−21 15.5	1.546	2.470	12.5	21.0
7 10	20 46.63	−21 31.7	1.495	2.472	8.3	20.7
7 20	20 37.77	−21 49.6	1.467	2.475	3.8	20.5
7 30	20 27.96	−22 5.0	1.464	2.478	1.7	20.3
8 9	20 18.46	−22 14.2	1.488	2.481	6.1	20.6
8 19	20 10.41	−22 15.3	1.536	2.484	10.4	20.9
8 29	20 4.72	−22 8.0	1.607	2.487	14.2	21.1
184480 2005 OB_{9}			7 28.0 324.°61		3.°1/30.2 18	
6 20	20 51.51	− 8 11.6	1.960	2.774	15.0	20.4
6 30	20 48.23	− 8 21.7	1.873	2.769	12.1	20.2
7 10	20 42.92	− 8 46.7	1.806	2.764	8.8	20.0
7 20	20 36.07	− 9 25.8	1.763	2.759	5.3	19.8
7 30	20 28.38	−10 16.2	1.746	2.754	3.1	19.6
8 9	20 20.76	−11 13.7	1.755	2.749	5.2	19.7
8 19	20 14.09	−12 13.7	1.791	2.745	8.7	20.0
8 29	20 9.16	−13 11.7	1.850	2.741	12.2	20.2
122495 2000 QG_{181}			7 28.0 175.°72		11.°1/18.0 18	
6 20	21 7.75	−49 33.9	2.220	3.020	13.9	19.4
6 30	21 1.94	−51 33.4	2.169	3.022	12.4	19.3
7 10	20 52.74	−53 20.7	2.141	3.023	11.4	19.3
7 20	20 40.73	−54 46.0	2.136	3.024	11.1	19.2
7 30	20 27.19	−55 41.7	2.154	3.025	11.7	19.3
8 9	20 13.81	−56 4.4	2.194	3.025	12.9	19.4
8 19	20 2.24	−55 55.4	2.255	3.025	14.4	19.5
8 29	19 53.75	−55 19.8	2.333	3.024	15.9	19.6
146911 2002 CA_{174}			7 28.0 45.°12		2.°1/26.7 18	
6 20	20 54.05	−22 7.7	1.922	2.769	14.0	19.4
6 30	20 50.18	−22 49.7	1.859	2.782	10.7	19.2
7 10	20 44.16	−23 36.7	1.818	2.795	7.1	19.1
7 20	20 36.58	−24 24.3	1.802	2.809	3.5	18.9
7 30	20 28.28	−25 7.3	1.812	2.822	2.5	18.8
8 9	20 20.27	−25 41.7	1.849	2.837	5.8	19.1
8 19	20 13.46	−26 5.2	1.912	2.851	9.3	19.3
8 29	20 8.58	−26 17.1	1.998	2.865	12.4	19.5
448655 2010 VD_{130}			7 28.0 240.°32		8.°5/20.1 18	
6 20	21 0.60	−45 25.3	2.610	3.421	11.8	21.1
6 30	20 55.52	−46 50.3	2.542	3.413	10.2	20.9
7 10	20 47.94	−48 6.9	2.496	3.405	9.0	20.9
7 20	20 38.40	−49 8.4	2.476	3.397	8.5	20.8
7 30	20 27.81	−49 48.9	2.480	3.388	9.0	20.8
8 9	20 17.33	−50 5.5	2.509	3.380	10.2	20.9
8 19	20 8.07	−49 58.3	2.560	3.371	11.8	21.0
8 29	20 1.00	−49 30.0	2.631	3.362	13.4	21.1
150002 2005 UZ_{155}			7 28.0 234.°79		0.°2/27.9 18	
6 20	20 52.73	−16 20.0	2.456	3.281	12.0	20.7
6 30	20 48.82	−17 1.5	2.365	3.274	9.4	20.5
7 10	20 43.15	−17 51.6	2.296	3.268	6.3	20.3
7 20	20 36.13	−18 47.4	2.253	3.261	2.8	20.0
7 30	20 28.39	−19 45.2	2.239	3.254	0.8	19.8
8 9	20 20.68	−20 40.8	2.253	3.246	4.3	20.1
8 19	20 13.75	−21 30.8	2.295	3.239	7.7	20.3
8 29	20 8.28	−22 12.8	2.363	3.231	10.7	20.5
321442 2009 QG_{56}			7 28.0 291.°26		7.°1/ 2.6 18	
6 20	20 50.26	+ 4 9.2	2.402	3.144	14.5	20.8
6 30	20 46.90	+ 4 31.4	2.305	3.134	12.6	20.6
7 10	20 41.87	+ 4 35.9	2.227	3.124	10.4	20.5
7 20	20 35.55	+ 4 21.1	2.172	3.113	8.4	20.3
7 30	20 28.53	+ 3 46.7	2.140	3.103	7.2	20.2
8 9	20 21.53	+ 2 54.6	2.135	3.093	7.4	20.2
8 19	20 15.24	+ 1 48.6	2.155	3.083	9.0	20.3
8 29	20 10.33	+ 0 33.6	2.200	3.073	11.2	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
130698 2000 SW_{153}			7 28.0 319.°90		1.°0/27.6 18	
	h m	° ′			°	m
6 20	20 52.96	−18 53.4	1.166	2.041	19.3	19.8
6 30	20 50.99	−19 12.9	1.084	2.022	15.2	19.4
7 10	20 45.73	−19 44.9	1.021	2.004	10.3	19.1
7 20	20 37.68	−20 25.3	0.977	1.987	4.7	18.7
7 30	20 27.97	−21 7.5	0.956	1.970	1.8	18.5
8 9	20 18.24	−21 44.4	0.957	1.954	7.7	18.8
8 19	20 10.16	−22 10.8	0.980	1.939	13.4	19.1
8 29	20 5.13	−22 23.9	1.021	1.925	18.5	19.3
69851 1998 SY_{45}			7 28.0 251.°53		4.°4/31.3 18	
6 20	20 51.43	− 3 42.3	2.523	3.302	13.0	19.8
6 30	20 47.66	− 3 29.1	2.430	3.297	10.8	19.6
7 10	20 42.29	− 3 28.9	2.358	3.292	8.3	19.4
7 20	20 35.71	− 3 42.0	2.310	3.287	5.9	19.3
7 30	20 28.51	− 4 7.4	2.289	3.282	4.5	19.2
8 9	20 21.35	− 4 43.1	2.295	3.276	5.3	19.2
8 19	20 14.93	− 5 26.0	2.328	3.271	7.6	19.4
8 29	20 9.84	− 6 12.6	2.387	3.266	10.2	19.5
307539 2003 DU_{9}			7 28.0 83.°40		11.°9/22.7 17	
6 20	21 12.52	−47 52.8	1.693	2.508	16.9	20.4
6 30	21 5.65	−49 15.5	1.657	2.528	14.7	20.3
7 10	20 54.97	−50 21.5	1.640	2.548	12.9	20.3
7 20	20 41.53	−51 0.6	1.645	2.567	11.9	20.3
7 30	20 27.12	−51 5.4	1.673	2.586	12.2	20.3
8 9	20 13.74	−50 35.1	1.723	2.605	13.5	20.4
8 19	20 3.02	−49 34.3	1.794	2.624	15.3	20.6
8 29	19 55.94	−48 10.6	1.883	2.643	17.2	20.8
46501 2616 $T\text{-}_{3}$			7 28.0 148.°96		3.°4/29.6 18	
6 20	20 57.75	−10 31.9	1.618	2.441	17.2	18.9
6 30	20 53.41	−10 15.5	1.541	2.444	13.8	18.7
7 10	20 46.55	−10 12.8	1.484	2.446	9.9	18.4
7 20	20 37.76	−10 23.0	1.450	2.449	5.8	18.2
7 30	20 28.00	−10 43.9	1.442	2.451	3.4	18.1
8 9	20 18.45	−11 12.1	1.459	2.453	6.1	18.2
8 19	20 10.24	−11 43.6	1.501	2.455	10.1	18.5
8 29	20 4.27	−12 14.5	1.566	2.456	14.0	18.7
141045 2001 WE_{83}			7 28.0 229.°44		0.°2/28.2 18	
6 20	20 54.16	−16 45.9	2.226	3.054	13.0	20.9
6 30	20 50.04	−17 3.3	2.140	3.051	10.1	20.7
7 10	20 44.01	−17 28.2	2.076	3.048	6.8	20.5
7 20	20 36.53	−17 58.3	2.038	3.045	3.1	20.3
7 30	20 28.31	−18 30.4	2.027	3.041	0.7	20.1
8 9	20 20.20	−19 1.0	2.044	3.038	4.5	20.4
8 19	20 13.02	−19 27.5	2.087	3.035	8.1	20.6
8 29	20 7.48	−19 48.0	2.156	3.031	11.3	20.8
121489 1999 TP_{255}			7 28.0 295.°13		1.°2/27.3 18	
6 20	20 54.66	−21 16.2	2.215	3.052	12.7	20.3
6 30	20 50.47	−21 35.7	2.131	3.049	9.9	20.1
7 10	20 44.31	−21 59.7	2.070	3.046	6.6	19.9
7 20	20 36.66	−22 25.0	2.035	3.043	3.0	19.7
7 30	20 28.28	−22 48.3	2.027	3.040	1.6	19.6
8 9	20 20.04	−23 6.3	2.046	3.037	5.0	19.8
8 19	20 12.80	−23 17.1	2.093	3.034	8.5	20.0
8 29	20 7.26	−23 20.0	2.163	3.031	11.6	20.2
105897 2000 ST_{187}			7 28.0 297.°06		3.°5/25.5 18	
6 20	20 54.06	−25 40.2	2.072	2.919	13.1	19.4
6 30	20 50.36	−26 39.4	1.987	2.909	10.2	19.2
7 10	20 44.46	−27 42.9	1.925	2.899	7.0	19.0
7 20	20 36.82	−28 45.2	1.888	2.890	4.2	18.8
7 30	20 28.23	−29 40.4	1.878	2.880	4.0	18.7
8 9	20 19.70	−30 23.8	1.894	2.870	6.8	18.9
8 19	20 12.20	−30 52.6	1.937	2.861	10.1	19.1
8 29	20 6.60	−31 6.2	2.002	2.851	13.1	19.2
18610 Arthurdent			7 28.0 215.°34		0.°7/27.6 18	
6 20	20 59.11	−19 57.8	2.224	3.050	13.1	19.2
6 30	20 53.95	−20 12.2	2.131	3.042	10.2	19.0
7 10	20 46.68	−20 31.8	2.061	3.033	6.8	18.8
7 20	20 37.77	−20 53.6	2.017	3.024	3.1	18.5
7 30	20 28.01	−21 14.2	2.000	3.014	1.2	18.4
8 9	20 18.33	−21 30.4	2.013	3.004	4.9	18.6
8 19	20 9.65	−21 40.5	2.052	2.993	8.6	18.8
8 29	20 2.78	−21 43.3	2.116	2.981	11.9	19.0
144888 2004 RZ_{192}			7 28.0 342.°33		2.°2/26.8 18	
6 20	20 56.01	−24 48.2	2.100	2.943	13.1	19.3
6 30	20 51.63	−25 1.7	2.020	2.940	10.2	19.1
7 10	20 45.13	−25 16.8	1.962	2.937	6.9	18.9
7 20	20 37.05	−25 30.1	1.929	2.934	3.5	18.7
7 30	20 28.20	−25 37.9	1.922	2.932	2.6	18.6
8 9	20 19.56	−25 37.8	1.944	2.930	5.6	18.8
8 19	20 12.04	−25 28.5	1.991	2.928	9.1	19.0
8 29	20 6.41	−25 10.5	2.061	2.927	12.2	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
143621 2003 GE_{55}			7 28.0 14°.24	0°.3/28.3 18		
	h m	° ′			°	m
6 20	20 49.56	−16 10.2	2.364	3.197	12.2	19.6
6 30	20 46.32	−16 29.9	2.288	3.202	9.5	19.4
7 10	20 41.42	−16 57.1	2.235	3.208	6.3	19.3
7 20	20 35.32	−17 29.5	2.207	3.214	2.9	19.1
7 30	20 28.63	−18 4.0	2.206	3.221	0.7	18.9
8 9	20 22.10	−18 37.7	2.233	3.228	4.1	19.2
8 19	20 16.42	−19 7.8	2.286	3.236	7.4	19.4
8 29	20 12.18	−19 32.4	2.364	3.244	10.3	19.6
243643 1999 TT_{110}			7 28.0 316°.91	5°.3/29.8 18		
6 20	20 54.79	− 9 23.3	1.521	2.351	17.8	19.8
6 30	20 51.54	− 8 25.7	1.425	2.329	14.7	19.5
7 10	20 45.61	− 7 39.0	1.349	2.308	11.0	19.3
7 20	20 37.48	− 7 5.2	1.294	2.287	7.3	19.0
7 30	20 28.06	− 6 45.3	1.263	2.266	5.3	18.8
8 9	20 18.56	− 6 38.6	1.257	2.247	7.5	18.9
8 19	20 10.26	− 6 42.9	1.274	2.228	11.6	19.1
8 29	20 4.28	− 6 54.7	1.313	2.209	15.7	19.3
291703 2006 JQ_{4}			7 28.0 341°.74	10°.2/21.8 18		
6 20	20 45.69	−33 21.9	1.103	2.001	18.4	18.7
6 30	20 45.94	−35 5.8	1.030	1.975	15.1	18.4
7 10	20 42.70	−36 52.4	0.975	1.950	12.0	18.1
7 20	20 36.42	−38 29.1	0.940	1.928	10.2	17.9
7 30	20 28.30	−39 42.3	0.925	1.907	11.1	17.9
8 9	20 20.20	−40 21.7	0.930	1.889	14.3	18.0
8 19	20 14.01	−40 23.6	0.953	1.873	18.2	18.2
8 29	20 11.27	−39 50.6	0.992	1.860	21.9	18.4
417956 2007 TW_{74}			7 28.0 242°.92	5°.3/30.6 18		
6 20	20 56.98	− 6 8.0	1.594	2.405	18.0	21.2
6 30	20 53.02	− 5 42.7	1.506	2.396	14.9	20.9
7 10	20 46.46	− 5 34.2	1.437	2.387	11.2	20.7
7 20	20 37.82	− 5 43.8	1.390	2.378	7.5	20.4
7 30	20 28.00	− 6 10.5	1.367	2.368	5.4	20.3
8 9	20 18.20	− 6 51.0	1.369	2.358	7.1	20.4
8 19	20 9.62	− 7 40.6	1.396	2.347	10.9	20.6
8 29	20 3.28	− 8 33.5	1.445	2.337	14.8	20.8
514232 2015 OL_{86}			7 28.0 242°.57	2°.9/30.3 18		
6 20	20 51.49	− 7 48.1	2.442	3.241	12.8	21.4
6 30	20 47.77	− 7 56.8	2.352	3.238	10.4	21.3
7 10	20 42.41	− 8 17.7	2.283	3.235	7.5	21.1
7 20	20 35.79	− 8 50.0	2.239	3.231	4.6	20.9
7 30	20 28.52	− 9 31.5	2.222	3.228	2.9	20.8
8 9	20 21.32	−10 19.3	2.233	3.224	4.5	20.9
8 19	20 14.88	−11 9.8	2.271	3.221	7.4	21.1
8 29	20 9.84	−11 59.6	2.335	3.217	10.3	21.2
445800 2012 BQ_{32}			7 28.0 155°.47	2°.2/26.7 18		
6 20	20 56.26	−25 0.3	2.404	3.239	11.9	21.4
6 30	20 51.53	−25 18.0	2.325	3.241	9.2	21.2
7 10	20 44.91	−25 37.2	2.268	3.242	6.2	21.0
7 20	20 36.91	−25 54.4	2.238	3.243	3.2	20.8
7 30	20 28.26	−26 6.4	2.235	3.244	2.5	20.8
8 9	20 19.80	−26 10.9	2.260	3.245	5.2	21.0
8 19	20 12.33	−26 6.7	2.313	3.245	8.2	21.1
8 29	20 6.54	−25 54.0	2.389	3.246	11.0	21.3
392101 2009 DQ_{133}			7 28.0 202°.18	2°.3/26.7 18		
6 20	20 58.64	−25 0.4	2.284	3.117	12.5	21.8
6 30	20 53.52	−25 20.4	2.200	3.114	9.7	21.6
7 10	20 46.33	−25 42.0	2.138	3.111	6.6	21.4
7 20	20 37.59	−26 1.5	2.103	3.108	3.4	21.2
7 30	20 28.09	−26 15.4	2.095	3.104	2.6	21.1
8 9	20 18.75	−26 20.8	2.116	3.099	5.5	21.3
8 19	20 10.49	−26 16.7	2.163	3.095	8.8	21.5
8 29	20 4.03	−26 3.2	2.235	3.090	11.7	21.7
376919 2002 AT_{103}			7 28.0 200°.25	1°.5/27.1 18		
6 20	20 58.03	−20 56.9	2.169	3.000	13.2	21.9
6 30	20 53.18	−21 31.1	2.082	2.996	10.2	21.7
7 10	20 46.20	−22 11.1	2.019	2.992	6.8	21.5
7 20	20 37.58	−22 52.9	1.981	2.988	3.2	21.3
7 30	20 28.09	−23 32.2	1.970	2.983	1.9	21.2
8 9	20 18.71	−24 5.1	1.989	2.977	5.3	21.4
8 19	20 10.36	−24 29.0	2.034	2.971	8.9	21.6
8 29	20 3.84	−24 42.9	2.103	2.964	12.1	21.8
84119 2002 RF_{26}			7 28.0 255°.14	4°.6/24.8 18		
6 20	20 59.42	−31 3.9	2.375	3.208	12.1	20.9
6 30	20 54.39	−31 52.8	2.277	3.188	9.6	20.7
7 10	20 47.12	−32 41.4	2.203	3.167	7.0	20.5
7 20	20 38.05	−33 24.4	2.154	3.145	5.0	20.4
7 30	20 27.97	−33 56.5	2.134	3.123	5.0	20.3
8 9	20 17.88	−34 14.0	2.140	3.101	7.2	20.4
8 19	20 8.78	−34 15.3	2.173	3.078	10.1	20.6
8 29	20 1.56	−34 1.2	2.229	3.055	12.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
253811 2003 YG_{26}			7 28.0 189°.52	3°.4/25.9 18		
	h m	° ′			°	m
6 20	20 59.42	−24 17.0	1.787	2.632	15.0	20.5
6 30	20 54.80	−25 15.8	1.710	2.631	11.6	20.3
7 10	20 47.57	−26 20.2	1.655	2.630	7.9	20.1
7 20	20 38.29	−27 23.9	1.625	2.629	4.4	19.8
7 30	20 27.94	−28 19.9	1.621	2.627	3.9	19.8
8 9	20 17.74	−29 2.8	1.644	2.625	7.2	20.0
8 19	20 8.87	−29 29.8	1.693	2.622	11.0	20.2
8 29	20 2.31	−29 40.6	1.764	2.618	14.4	20.4
426096 2012 EZ_{3}			7 28.0 207°.26	1°.2/27.4 17		
6 20	20 59.40	−19 19.5	1.737	2.575	15.6	21.9
6 30	20 54.78	−19 54.0	1.653	2.571	12.2	21.7
7 10	20 47.57	−20 37.2	1.591	2.567	8.1	21.4
7 20	20 38.31	−21 24.9	1.554	2.561	3.7	21.1
7 30	20 27.94	−22 11.5	1.542	2.556	1.7	21.0
8 9	20 17.68	−22 51.7	1.558	2.549	6.1	21.3
8 19	20 8.71	−23 22.0	1.599	2.543	10.4	21.5
8 29	20 2.02	−23 40.9	1.664	2.535	14.3	21.7
176819 2002 TF_{100}			7 28.0 105°.03	0°.8/27.7 17		
6 20	21 0.12	−19 21.4	1.645	2.486	16.2	20.0
6 30	20 55.18	−19 41.2	1.580	2.499	12.6	19.8
7 10	20 47.66	−20 8.4	1.537	2.512	8.4	19.6
7 20	20 38.25	−20 38.8	1.517	2.525	3.8	19.4
7 30	20 27.99	−21 7.8	1.524	2.538	1.4	19.2
8 9	20 18.11	−21 31.1	1.557	2.550	5.9	19.6
8 19	20 9.74	−21 46.3	1.616	2.562	10.1	19.8
8 29	20 3.73	−21 52.5	1.697	2.574	13.8	20.1
309714 2008 GF_{111}			7 28.0 87°.64	6°.5/22.7 18		
6 20	20 57.06	−35 13.1	2.261	3.100	12.4	20.0
6 30	20 52.62	−36 41.2	2.201	3.109	10.0	19.8
7 10	20 45.91	−38 6.1	2.164	3.117	7.8	19.7
7 20	20 37.47	−39 20.8	2.153	3.126	6.5	19.6
7 30	20 28.16	−40 19.2	2.169	3.134	6.9	19.7
8 9	20 19.04	−40 57.4	2.211	3.142	8.7	19.8
8 19	20 11.10	−41 14.5	2.277	3.151	10.9	20.0
8 29	20 5.17	−41 12.2	2.365	3.159	13.1	20.1
175116 2004 RL_{252}			7 28.0 344°.45	15°.7/29.6 18		
6 20	21 2.43	− 0 49.4	0.979	1.803	25.9	19.1
6 30	20 58.57	+ 2 25.0	0.916	1.798	22.7	18.9
7 10	20 50.90	+ 5 24.9	0.868	1.794	19.4	18.6
7 20	20 40.08	+ 7 57.0	0.839	1.790	16.7	18.5
7 30	20 27.49	+ 9 48.8	0.828	1.788	15.7	18.4
8 9	20 15.07	+10 53.6	0.837	1.785	16.9	18.5
8 19	20 4.70	+11 12.8	0.864	1.784	19.6	18.6
8 29	19 57.84	+10 55.0	0.907	1.783	22.7	18.8
445022 2008 KE_{39}			7 28.0 109°.50	4°.2/31.6 18		
6 20	20 51.75	− 3 1.3	2.510	3.285	13.1	20.9
6 30	20 47.84	− 3 4.5	2.430	3.294	10.8	20.8
7 10	20 42.37	− 3 21.8	2.371	3.304	8.3	20.6
7 20	20 35.76	− 3 53.0	2.336	3.313	5.8	20.5
7 30	20 28.60	− 4 36.5	2.328	3.322	4.3	20.4
8 9	20 21.56	− 5 29.3	2.348	3.331	5.1	20.5
8 19	20 15.31	− 6 27.7	2.395	3.340	7.4	20.7
8 29	20 10.40	− 7 27.7	2.468	3.348	9.9	20.8
282251 2002 GH_{160}			7 28.0 185°.80	0°.7/28.5 17		
6 20	20 55.92	−14 28.8	2.069	2.891	14.0	21.1
6 30	20 51.55	−14 53.3	1.984	2.891	11.0	20.9
7 10	20 45.12	−15 28.2	1.922	2.891	7.5	20.7
7 20	20 37.10	−16 10.8	1.885	2.890	3.6	20.4
7 30	20 28.26	−16 57.3	1.875	2.889	1.0	20.2
8 9	20 19.53	−17 43.5	1.893	2.888	4.8	20.5
8 19	20 11.81	−18 25.9	1.937	2.886	8.6	20.7
8 29	20 5.88	−19 1.7	2.007	2.883	12.0	20.9
314067 2005 BS_{11}			7 28.0 264°.59	0°.2/27.9 17		
6 20	21 0.40	−19 21.3	1.489	2.336	17.3	20.8
6 30	20 55.98	−19 16.4	1.405	2.327	13.6	20.6
7 10	20 48.60	−19 18.3	1.340	2.317	9.2	20.3
7 20	20 38.85	−19 24.0	1.299	2.307	4.2	20.0
7 30	20 27.82	−19 29.7	1.282	2.297	1.1	19.7
8 9	20 16.93	−19 31.7	1.291	2.286	6.4	20.0
8 19	20 7.55	−19 27.9	1.324	2.276	11.4	20.3
8 29	20 0.82	−19 17.7	1.379	2.266	15.7	20.5
250804 2005 UL_{14}			7 28.0 356°.12	5°.0/31.2 18		
6 20	20 51.60	− 4 44.0	1.970	2.770	15.4	20.0
6 30	20 48.23	− 4 23.8	1.888	2.769	12.7	19.8
7 10	20 42.91	− 4 18.9	1.825	2.767	9.7	19.7
7 20	20 36.09	− 4 29.8	1.784	2.767	6.7	19.5
7 30	20 28.51	− 4 55.7	1.769	2.766	5.0	19.4
8 9	20 21.04	− 5 33.5	1.780	2.766	6.2	19.4
8 19	20 14.53	− 6 19.5	1.817	2.766	9.0	19.6
8 29	20 9.73	− 7 9.1	1.877	2.766	12.1	19.8

104219 2000 EO_{120} 7 28.0 190.°94 0.°2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.98	−15 4.8	2.478	3.294	12.2	20.4
6 30	20 50.51	−15 43.6	2.388	3.292	9.5	20.2
7 10	20 44.27	−16 31.5	2.322	3.290	6.4	20.0
7 20	20 36.68	−17 25.7	2.282	3.288	3.0	19.8
7 30	20 28.38	−18 22.5	2.270	3.285	0.7	19.6
8 9	20 20.12	−19 17.9	2.288	3.282	4.2	19.9
8 19	20 12.68	−20 8.4	2.334	3.278	7.6	20.1
8 29	20 6.72	−20 51.8	2.405	3.273	10.6	20.3

469684 2004 XY_{169} 7 28.0 253.°07 1.°9/26.4 17

6 20	20 53.79	−22 57.8	2.854	3.683	10.4	21.9
6 30	20 49.53	−23 41.6	2.752	3.664	8.1	21.7
7 10	20 43.61	−24 29.6	2.673	3.646	5.4	21.5
7 20	20 36.39	−25 18.5	2.622	3.627	2.8	21.3
7 30	20 28.44	−26 4.4	2.599	3.607	2.2	21.2
8 9	20 20.46	−26 44.1	2.605	3.588	4.7	21.4
8 19	20 13.14	−27 15.3	2.640	3.567	7.6	21.5
8 29	20 7.14	−27 36.7	2.699	3.547	10.2	21.7

256680 2007 YK_{42} 7 28.0 187.°16 0.°4/27.9 17

6 20	21 0.18	−18 12.0	1.910	2.739	14.8	22.0
6 30	20 55.06	−18 32.6	1.827	2.739	11.5	21.8
7 10	20 47.58	−19 0.9	1.766	2.738	7.7	21.6
7 20	20 38.26	−19 33.6	1.729	2.737	3.5	21.3
7 30	20 27.99	−20 6.5	1.720	2.735	1.0	21.1
8 9	20 17.89	−20 35.5	1.739	2.732	5.4	21.4
8 19	20 8.98	−20 57.9	1.784	2.728	9.5	21.7
8 29	20 2.16	−21 12.1	1.853	2.724	13.1	21.9

387035 2012 SS_{46} 7 28.0 232.°41 0.°8/27.6 18

6 20	20 57.22	−19 38.0	2.057	2.891	13.7	21.9
6 30	20 52.68	−19 57.3	1.968	2.882	10.7	21.6
7 10	20 45.95	−20 23.0	1.900	2.874	7.2	21.4
7 20	20 37.51	−20 51.8	1.858	2.865	3.3	21.2
7 30	20 28.17	−21 19.8	1.842	2.856	1.3	21.0
8 9	20 18.92	−21 43.4	1.855	2.847	5.2	21.2
8 19	20 10.71	−22 0.2	1.894	2.837	9.1	21.5
8 29	20 4.39	−22 8.9	1.957	2.827	12.5	21.7

481400 2006 SC_{115} 7 28.1 351.°28 9.°1/ 3.2 18

6 20	20 48.77	+ 4 5.6	1.623	2.401	19.1	20.5
6 30	20 46.51	+ 4 37.5	1.543	2.396	16.6	20.3
7 10	20 42.03	+ 4 44.7	1.479	2.391	13.7	20.1
7 20	20 35.79	+ 4 23.9	1.435	2.387	11.0	20.0
7 30	20 28.60	+ 3 34.7	1.412	2.383	9.3	19.9
8 9	20 21.50	+ 2 20.4	1.413	2.381	9.4	19.9
8 19	20 15.48	+ 0 47.6	1.438	2.380	11.5	20.0
8 29	20 11.43	− 0 55.3	1.484	2.379	14.3	20.1

314613 2006 DQ_{51} 7 28.1 341.°10 0.°6/27.7 18

6 20	20 52.98	−19 3.4	2.282	3.117	12.5	20.7
6 30	20 49.12	−19 24.3	2.199	3.115	9.7	20.5
7 10	20 43.41	−19 51.2	2.139	3.113	6.5	20.3
7 20	20 36.31	−20 21.3	2.103	3.111	2.9	20.1
7 30	20 28.52	−20 51.3	2.095	3.110	1.0	19.9
8 9	20 20.85	−21 18.0	2.115	3.108	4.6	20.2
8 19	20 14.10	−21 39.0	2.162	3.107	8.0	20.4
8 29	20 8.95	−21 52.9	2.233	3.106	11.1	20.6

137236 1999 RA_{25} 7 28.1 290.°91 2.°8/26.9 18

6 20	20 59.92	−24 18.4	1.446	2.304	17.2	19.6
6 30	20 55.84	−24 33.7	1.364	2.292	13.5	19.4
7 10	20 48.64	−24 52.8	1.301	2.280	9.2	19.1
7 20	20 38.93	−25 10.5	1.261	2.268	4.6	18.8
7 30	20 27.86	−25 21.0	1.245	2.256	3.2	18.7
8 9	20 16.96	−25 20.0	1.255	2.245	7.5	18.9
8 19	20 7.68	−25 6.0	1.288	2.233	12.2	19.1
8 29	20 1.19	−24 40.0	1.342	2.222	16.5	19.4

335131 2004 TV_{324} 7 28.1 284.°62 1.°8/28.9 18

6 20	20 55.84	−13 47.8	1.783	2.614	15.6	21.5
6 30	20 52.04	−13 43.8	1.683	2.593	12.5	21.2
7 10	20 45.81	−13 50.6	1.603	2.571	8.7	21.0
7 20	20 37.59	−14 6.7	1.546	2.550	4.5	20.7
7 30	20 28.18	−14 29.8	1.515	2.528	1.9	20.4
8 9	20 18.70	−14 56.1	1.510	2.506	5.6	20.6
8 19	20 10.26	−15 22.4	1.531	2.485	10.0	20.8
8 29	20 3.88	−15 45.6	1.575	2.463	14.0	21.0

343370 2010 CS_{94} 7 28.1 320.°33 1.°5/28.9 18

6 20	20 52.47	−13 9.2	1.603	2.445	16.5	20.5
6 30	20 49.57	−13 26.7	1.517	2.433	13.1	20.2
7 10	20 44.19	−13 58.4	1.450	2.423	9.1	19.9
7 20	20 36.84	−14 42.3	1.407	2.412	4.6	19.7
7 30	20 28.38	−15 34.2	1.388	2.402	1.6	19.4
8 9	20 19.96	−16 28.7	1.395	2.393	5.7	19.7
8 19	20 12.72	−17 20.4	1.426	2.383	10.3	19.9
8 29	20 7.66	−18 5.3	1.480	2.375	14.4	20.1

448106 2008 KV_{39} 7 28.1 323.°34 4.°3/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.96	−24 23.0	1.817	2.676	14.1	20.4
6 30	20 48.49	−25 54.4	1.721	2.650	11.1	20.2
7 10	20 43.59	−27 35.7	1.648	2.625	7.7	19.9
7 20	20 36.63	−29 20.1	1.599	2.601	4.8	19.7
7 30	20 28.41	−30 59.1	1.577	2.577	4.9	19.7
8 9	20 20.00	−32 24.6	1.580	2.553	8.1	19.8
8 19	20 12.59	−33 31.1	1.609	2.531	11.9	20.0
8 29	20 7.27	−34 16.2	1.659	2.509	15.4	20.1

434384 2004 VE_{82} 7 28.1 93.°43 6.°6/23.7 17

6 20	21 1.20	−33 46.1	1.929	2.770	14.1	20.9
6 30	20 56.01	−35 9.9	1.879	2.790	11.3	20.8
7 10	20 48.23	−36 30.1	1.851	2.809	8.5	20.7
7 20	20 38.55	−37 38.9	1.849	2.829	6.8	20.6
7 30	20 28.01	−38 29.5	1.873	2.847	7.0	20.7
8 9	20 17.87	−38 58.1	1.922	2.866	9.1	20.8
8 19	20 9.25	−39 4.6	1.996	2.884	11.6	21.0
8 29	20 3.01	−38 51.6	2.091	2.902	14.0	21.2

513816 2013 EV_{3} 7 28.1 173.°11 1.°8/26.9 18

6 20	20 57.12	−24 6.2	2.509	3.339	11.6	22.5
6 30	20 52.13	−24 23.4	2.427	3.340	9.0	22.4
7 10	20 45.31	−24 42.4	2.369	3.342	6.0	22.2
7 20	20 37.15	−25 0.1	2.337	3.343	3.0	22.0
7 30	20 28.35	−25 13.4	2.334	3.344	2.1	21.9
8 9	20 19.73	−25 19.9	2.359	3.344	4.9	22.1
8 19	20 12.06	−25 18.5	2.411	3.345	7.9	22.3
8 29	20 6.01	−25 9.1	2.489	3.345	10.7	22.5

149825 2005 NK_{39} 7 28.1 336.°72 5.°8/25.8 17

6 20	20 52.62	−28 6.3	1.105	1.994	19.1	18.7
6 30	20 51.11	−28 44.1	1.031	1.975	15.2	18.4
7 10	20 46.01	−29 24.6	0.975	1.958	10.8	18.1
7 20	20 37.91	−29 59.6	0.939	1.942	6.7	17.8
7 30	20 28.13	−30 20.1	0.923	1.928	6.3	17.7
8 9	20 18.52	−30 19.5	0.929	1.915	10.2	17.9
8 19	20 10.86	−29 56.3	0.956	1.904	15.1	18.1
8 29	20 6.56	−29 12.8	1.000	1.894	19.6	18.4

303867 2005 SZ_{285} 7 28.1 93.°11 4.°8/24.6 18

6 20	20 55.97	−30 25.0	2.214	3.057	12.5	21.0
6 30	20 51.70	−31 28.1	2.143	3.059	9.9	20.8
7 10	20 45.28	−32 31.1	2.094	3.061	7.1	20.7
7 20	20 37.22	−33 28.2	2.072	3.063	5.1	20.5
7 30	20 28.34	−34 13.8	2.076	3.065	5.2	20.5
8 9	20 19.63	−34 44.1	2.107	3.067	7.3	20.7
8 19	20 12.02	−34 57.7	2.163	3.069	10.0	20.9
8 29	20 6.32	−34 55.3	2.242	3.071	12.6	21.0

35764 1999 HP_{7} 7 28.1 95.°44 0.°6/27.8 18

6 20	20 59.20	−18 16.7	1.419	2.269	17.8	19.2
6 30	20 54.95	−18 40.2	1.353	2.277	13.9	18.9
7 10	20 47.80	−19 13.8	1.307	2.285	9.3	18.7
7 20	20 38.45	−19 53.1	1.284	2.293	4.2	18.4
7 30	20 28.05	−20 32.3	1.286	2.300	1.3	18.2
8 9	20 18.00	−21 6.0	1.313	2.308	6.4	18.6
8 19	20 9.60	−21 30.6	1.364	2.315	11.2	18.9
8 29	20 3.85	−21 44.8	1.437	2.322	15.3	19.2

417437 2006 KD_{81} 7 28.1 33.°28 2.°5/29.3 17

6 20	20 53.61	−11 6.0	1.141	1.999	20.7	20.7
6 30	20 51.04	−11 22.5	1.084	2.008	16.5	20.5
7 10	20 45.41	−11 59.5	1.044	2.018	11.5	20.2
7 20	20 37.41	−12 54.0	1.024	2.028	6.1	20.0
7 30	20 28.30	−14 0.0	1.026	2.040	2.5	19.8
8 9	20 19.59	−15 9.4	1.052	2.052	6.7	20.1
8 19	20 12.64	−16 14.8	1.101	2.064	11.8	20.4
8 29	20 8.51	−17 10.5	1.170	2.077	16.3	20.7

186315 2002 CZ_{234} 7 28.1 98.°71 0.°1/28.0 18

6 20	20 54.74	−17 29.9	2.325	3.151	12.5	21.0
6 30	20 50.32	−17 47.9	2.252	3.163	9.7	20.8
7 10	20 44.11	−18 12.3	2.202	3.174	6.5	20.6
7 20	20 36.61	−18 40.6	2.178	3.185	2.9	20.4
7 30	20 28.51	−19 9.7	2.182	3.196	0.7	20.2
8 9	20 20.62	−19 36.5	2.213	3.207	4.3	20.5
8 19	20 13.68	−19 58.8	2.272	3.218	7.6	20.8
8 29	20 8.34	−20 15.2	2.356	3.229	10.6	21.0

238159 2003 SN_{73} 7 28.1 238.°64 5.°5/31.9 18

6 20	20 53.28	− 1 46.0	2.064	2.843	15.5	20.5
6 30	20 49.55	− 1 40.8	1.971	2.837	13.0	20.3
7 10	20 43.84	− 1 53.3	1.898	2.829	10.1	20.1
7 20	20 36.59	− 2 24.2	1.848	2.822	7.3	19.9
7 30	20 28.49	− 3 12.4	1.823	2.814	5.5	19.8
8 9	20 20.42	− 4 14.6	1.825	2.807	6.4	19.8
8 19	20 13.23	− 5 25.8	1.853	2.799	9.1	20.0
8 29	20 7.71	− 6 40.6	1.905	2.790	12.1	20.2

133965 2004 TU_{153} 7 28.1 178°.53 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.78	−16 2.9	1.948	2.777	14.5	21.1
6 30	20 52.35	−16 17.2	1.867	2.778	11.4	20.9
7 10	20 45.73	−16 40.5	1.807	2.778	7.7	20.7
7 20	20 37.44	−17 10.1	1.772	2.778	3.6	20.4
7 30	20 28.30	−17 42.5	1.764	2.779	0.9	20.2
8 9	20 19.32	−18 13.9	1.783	2.778	5.0	20.5
8 19	20 11.45	−18 41.1	1.829	2.778	9.0	20.7
8 29	20 5.51	−19 2.2	1.899	2.777	12.5	21.0

511384 2014 GQ_{19} 7 28.1 143°.63 3°.7/25.9 18

6 20	20 58.97	−28 28.5	2.176	3.014	12.9	22.1
6 30	20 53.90	−29 0.1	2.103	3.018	10.1	22.0
7 10	20 46.67	−29 31.4	2.052	3.022	7.0	21.8
7 20	20 37.82	−29 57.7	2.027	3.026	4.3	21.6
7 30	20 28.22	−30 14.7	2.029	3.029	4.0	21.6
8 9	20 18.89	−30 19.5	2.058	3.033	6.4	21.8
8 19	20 10.75	−30 11.5	2.114	3.036	9.4	22.0
8 29	20 4.57	−29 51.6	2.193	3.039	12.3	22.2

301545 2009 FT_{71} 7 28.1 256°.75 0°.4/28.3 18

6 20	20 54.18	−15 48.3	2.098	2.927	13.6	20.9
6 30	20 50.24	−16 8.0	2.011	2.922	10.7	20.7
7 10	20 44.29	−16 36.7	1.945	2.916	7.2	20.5
7 20	20 36.78	−17 11.9	1.904	2.911	3.4	20.2
7 30	20 28.46	−17 50.2	1.891	2.905	0.8	20.0
8 9	20 20.22	−18 27.7	1.905	2.900	4.7	20.3
8 19	20 12.94	−19 1.3	1.945	2.894	8.5	20.5
8 29	20 7.40	−19 28.6	2.010	2.889	11.9	20.7

221663 2007 CJ_{40} 7 28.1 229°.00 0°.4/28.3 18

6 20	20 57.30	−15 42.3	1.910	2.738	14.8	21.3
6 30	20 52.95	−16 5.0	1.819	2.729	11.6	21.1
7 10	20 46.27	−16 38.2	1.749	2.720	7.9	20.8
7 20	20 37.76	−17 18.9	1.703	2.710	3.7	20.6
7 30	20 28.22	−18 3.2	1.685	2.700	0.9	20.3
8 9	20 18.72	−18 46.3	1.694	2.689	5.2	20.6
8 19	20 10.29	−19 24.6	1.729	2.677	9.4	20.9
8 29	20 3.83	−19 55.3	1.788	2.666	13.2	21.1

74197 1998 RX_{49} 7 28.1 28°.79 0°.1/28.1 18

6 20	20 53.20	−16 8.1	1.102	1.975	20.3	18.4
6 30	20 50.81	−16 37.1	1.052	1.988	15.8	18.2
7 10	20 45.26	−17 21.2	1.019	2.001	10.6	17.9
7 20	20 37.34	−18 15.4	1.006	2.015	4.8	17.6
7 30	20 28.35	−19 12.3	1.016	2.031	1.2	17.4
8 9	20 19.89	−20 4.3	1.049	2.047	6.9	17.9
8 19	20 13.31	−20 46.1	1.104	2.065	12.1	18.2
8 29	20 9.62	−21 14.8	1.179	2.083	16.5	18.5

342573 2008 UN_{261} 7 28.1 12°.58 9°.6/ 2.3 16

6 20	20 52.12	+ 2 25.0	1.518	2.305	19.8	20.6
6 30	20 49.20	+ 3 27.6	1.448	2.307	17.1	20.4
7 10	20 43.86	+ 4 7.5	1.394	2.310	14.2	20.2
7 20	20 36.66	+ 4 20.8	1.360	2.313	11.4	20.1
7 30	20 28.50	+ 4 5.9	1.348	2.317	9.7	20.0
8 9	20 20.53	+ 3 25.3	1.358	2.322	10.1	20.0
8 19	20 13.81	+ 2 24.4	1.391	2.328	12.2	20.2
8 29	20 9.24	+ 1 10.7	1.445	2.334	15.0	20.4

437707 2014 DE_{81} 7 28.1 266°.73 0°.4/28.3 18

6 20	20 54.41	−15 18.4	1.933	2.765	14.5	21.3
6 30	20 50.67	−15 46.2	1.842	2.755	11.4	21.0
7 10	20 44.72	−16 25.0	1.773	2.745	7.7	20.8
7 20	20 37.04	−17 12.0	1.729	2.736	3.6	20.5
7 30	20 28.40	−18 3.1	1.711	2.725	0.8	20.3
8 9	20 19.79	−18 53.3	1.720	2.715	5.1	20.6
8 19	20 12.19	−19 38.7	1.755	2.705	9.2	20.8
8 29	20 6.47	−20 16.2	1.815	2.695	12.8	21.0

508872 2003 CO_{25} 7 28.1 133°.80 1°.8/26.5 17

6 20	20 56.13	−23 5.1	2.993	3.814	10.2	23.0
6 30	20 51.03	−23 48.6	2.922	3.831	7.8	22.9
7 10	20 44.42	−24 34.7	2.877	3.848	5.2	22.8
7 20	20 36.72	−25 20.1	2.859	3.864	2.6	22.6
7 30	20 28.52	−26 1.4	2.871	3.879	2.0	22.6
8 9	20 20.48	−26 36.0	2.912	3.893	4.3	22.8
8 19	20 13.23	−27 2.1	2.981	3.907	6.9	22.9
8 29	20 7.31	−27 19.2	3.077	3.920	9.2	23.1

385324 2002 CJ_5 7 28.1 267°.62 0°.6/27.7 18

6 20	20 57.45	−18 11.5	1.972	2.804	14.3	21.3
6 30	20 53.21	−18 40.2	1.865	2.779	11.2	21.1
7 10	20 46.58	−19 18.0	1.781	2.754	7.6	20.8
7 20	20 37.98	−20 1.8	1.720	2.728	3.5	20.5
7 30	20 28.18	−20 47.1	1.688	2.702	1.2	20.3
8 9	20 18.22	−21 29.1	1.682	2.675	5.6	20.5
8 19	20 9.20	−22 4.0	1.703	2.647	9.8	20.7
8 29	20 2.13	−22 29.4	1.748	2.619	13.7	20.9

423959 2006 UU_{97} 7 28.1 175°.25 0°.9/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.22	−14 32.8	1.900	2.724	15.0	22.3
6 30	20 53.52	−14 51.6	1.819	2.726	11.8	22.1
7 10	20 46.56	−15 21.1	1.759	2.728	8.1	21.9
7 20	20 37.85	−15 58.6	1.724	2.729	3.9	21.6
7 30	20 28.25	−16 40.3	1.716	2.730	1.1	21.4
8 9	20 18.80	−17 21.8	1.735	2.730	5.1	21.7
8 19	20 10.49	−17 59.5	1.781	2.730	9.2	21.9
8 29	20 4.18	−18 30.7	1.851	2.729	12.7	22.2

18186 2000 QW_{50} 7 28.1 86°.20 0°.5/27.8 18 R

6 20	20 54.85	−18 15.5	2.115	2.948	13.4	18.9
6 30	20 50.63	−18 41.5	2.043	2.957	10.4	18.7
7 10	20 44.45	−19 14.4	1.993	2.966	6.9	18.5
7 20	20 36.83	−19 51.2	1.968	2.975	3.1	18.2
7 30	20 28.51	−20 27.9	1.970	2.985	1.0	18.1
8 9	20 20.41	−21 1.0	2.000	2.994	4.8	18.4
8 19	20 13.35	−21 27.8	2.057	3.002	8.3	18.6
8 29	20 8.04	−21 46.9	2.138	3.011	11.5	18.8

383964 2008 TP_{44} 7 28.1 265°.21 2°.3/29.4 16

6 20	20 55.13	−11 45.8	1.837	2.661	15.5	21.9
6 30	20 51.22	−11 44.4	1.753	2.657	12.3	21.7
7 10	20 45.08	−11 55.2	1.689	2.653	8.7	21.5
7 20	20 37.20	−12 16.8	1.648	2.649	4.8	21.2
7 30	20 28.41	−12 46.6	1.634	2.645	2.4	21.0
8 9	20 19.73	−13 21.0	1.646	2.641	5.3	21.2
8 19	20 12.14	−13 56.3	1.684	2.637	9.2	21.5
8 29	20 6.50	−14 29.0	1.745	2.633	12.9	21.7

631 Philippina 7 28.1 162°.51 9°.1/ 3.5 18 A

6 20	20 54.16	+ 8 11.3	2.297	3.009	15.9	13.8
6 30	20 49.97	+ 9 5.2	2.214	3.011	14.0	13.6
7 10	20 43.98	+ 9 40.1	2.149	3.014	12.1	13.5
7 20	20 36.62	+ 9 53.2	2.106	3.016	10.3	13.4
7 30	20 28.56	+ 9 42.9	2.086	3.018	9.2	13.3
8 9	20 20.58	+ 9 10.5	2.091	3.020	9.2	13.3
8 19	20 13.45	+ 8 19.3	2.120	3.022	10.4	13.4
8 29	20 7.85	+ 7 14.3	2.173	3.023	12.2	13.5

322145 2010 WH_9 7 28.1 301°.25 0°.6/28.4 18

6 20	20 56.57	−17 39.6	2.072	2.902	13.7	20.4
6 30	20 52.11	−17 24.9	1.982	2.893	10.8	20.2
7 10	20 45.55	−17 15.6	1.914	2.885	7.3	19.9
7 20	20 37.38	−17 10.0	1.870	2.877	3.5	19.7
7 30	20 28.39	−17 6.2	1.854	2.868	0.9	19.5
8 9	20 19.53	−17 2.1	1.865	2.860	4.8	19.7
8 19	20 11.71	−16 56.3	1.903	2.852	8.6	20.0
8 29	20 5.71	−16 47.8	1.965	2.845	12.0	20.2

53941 2000 GD_{48} 7 28.1 23°.01 9°.6/23.1 18

6 20	21 1.43	−40 59.0	1.669	2.513	15.9	18.7
6 30	20 56.94	−42 9.7	1.615	2.518	13.3	18.5
7 10	20 49.24	−43 10.4	1.582	2.524	11.0	18.4
7 20	20 39.15	−43 52.4	1.571	2.530	9.7	18.3
7 30	20 27.99	−44 8.2	1.583	2.536	10.0	18.4
8 9	20 17.39	−43 55.2	1.619	2.544	11.7	18.5
8 19	20 8.73	−43 15.3	1.676	2.551	14.1	18.7
8 29	20 3.03	−42 13.4	1.753	2.559	16.5	18.8

96560 1998 SF_{133} 7 28.1 283°.88 0°.1/28.1 18

6 20	20 53.65	−17 36.3	2.397	3.225	12.2	20.2
6 30	20 49.68	−17 47.6	2.296	3.207	9.6	20.0
7 10	20 43.87	−18 5.3	2.217	3.189	6.4	19.7
7 20	20 36.62	−18 27.3	2.164	3.171	3.0	19.5
7 30	20 28.58	−18 50.8	2.138	3.153	0.7	19.3
8 9	20 20.55	−19 13.1	2.140	3.135	4.4	19.5
8 19	20 13.30	−19 31.7	2.170	3.117	7.9	19.7
8 29	20 7.58	−19 45.0	2.224	3.098	11.1	19.9

364704 2007 UZ_{107} 7 28.1 350°.72 2°.8/29.2 17

6 20	20 53.56	−13 1.2	1.124	1.989	20.6	21.1
6 30	20 51.28	−12 45.0	1.055	1.984	16.5	20.8
7 10	20 45.79	−12 44.8	1.004	1.980	11.6	20.5
7 20	20 37.73	−12 59.6	0.971	1.976	6.2	20.2
7 30	20 28.31	−13 26.0	0.961	1.974	2.9	20.0
8 9	20 19.13	−13 58.8	0.973	1.972	7.1	20.2
8 19	20 11.68	−14 32.5	1.007	1.972	12.5	20.5
8 29	20 7.17	−15 2.3	1.060	1.972	17.3	20.8

511706 2015 CE_{34} 7 28.1 249°.73 2°.8/26.8 17

6 20	21 2.15	−24 23.6	1.698	2.542	15.7	22.2
6 30	20 57.26	−24 49.0	1.606	2.526	12.3	22.0
7 10	20 49.49	−25 18.6	1.535	2.510	8.4	21.7
7 20	20 39.36	−25 47.0	1.487	2.493	4.4	21.4
7 30	20 27.91	−26 8.5	1.466	2.476	3.3	21.3
8 9	20 16.49	−26 18.6	1.472	2.458	7.1	21.5
8 19	20 6.44	−26 15.3	1.502	2.440	11.4	21.7
8 29	19 58.89	−25 59.2	1.555	2.421	15.4	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
416710 2005 BR_5			7 28.1 146°.44	1°.6/27.2 17		
	h m	° ′			°	m
6 20	21 1.19	−20 34.3	1.778	2.614	15.4	22.5
6 30	20 56.00	−21 13.5	1.707	2.624	11.9	22.3
7 10	20 48.28	−21 59.7	1.658	2.633	7.9	22.1
7 20	20 38.66	−22 48.0	1.634	2.641	3.7	21.8
7 30	20 28.12	−23 32.7	1.637	2.649	2.1	21.7
8 9	20 17.86	−24 9.1	1.667	2.656	6.0	22.0
8 19	20 8.98	−24 34.4	1.723	2.663	10.1	22.3
8 29	20 2.38	−24 47.8	1.803	2.669	13.6	22.5
259031 2002 TU_{224}			7 28.1 271°.21	0°.4/28.3 18		
6 20	20 56.54	−15 38.4	1.677	2.515	16.1	21.0
6 30	20 52.81	−15 59.6	1.581	2.497	12.7	20.7
7 10	20 46.48	−16 33.0	1.506	2.479	8.7	20.5
7 20	20 38.00	−17 15.7	1.453	2.460	4.1	20.1
7 30	20 28.25	−18 3.3	1.427	2.441	0.9	19.9
8 9	20 18.42	−18 50.5	1.426	2.422	5.9	20.2
8 19	20 9.72	−19 32.5	1.451	2.403	10.6	20.4
8 29	20 3.24	−20 6.1	1.499	2.384	14.8	20.6
168610 2000 AD_{196}			7 28.1 245°.89	4°.9/31.0 18		
6 20	20 55.12	− 4 23.4	2.255	3.036	14.3	20.6
6 30	20 50.86	− 3 59.2	2.153	3.023	11.9	20.4
7 10	20 44.70	− 3 48.1	2.073	3.008	9.1	20.2
7 20	20 37.03	− 3 51.1	2.016	2.994	6.4	20.0
7 30	20 28.51	− 4 7.7	1.985	2.979	4.9	19.9
8 9	20 19.98	− 4 36.2	1.982	2.963	6.0	19.9
8 19	20 12.24	− 5 13.3	2.005	2.948	8.7	20.1
8 29	20 6.06	− 5 55.4	2.053	2.931	11.7	20.2
31246 1998 DZ_{12}			7 28.1 198°.97	3°.1/26.3 18		
6 20	21 0.45	−26 21.1	2.131	2.966	13.2	18.9
6 30	20 55.20	−26 53.5	2.049	2.963	10.3	18.7
7 10	20 47.66	−27 27.6	1.988	2.960	7.1	18.5
7 20	20 38.37	−27 58.5	1.954	2.956	4.0	18.3
7 30	20 28.21	−28 21.6	1.947	2.952	3.5	18.2
8 9	20 18.22	−28 33.7	1.968	2.947	6.2	18.4
8 19	20 9.39	−28 33.2	2.015	2.941	9.6	18.6
8 29	20 2.57	−28 21.0	2.086	2.936	12.7	18.8
507440 2012 SY_{31}			7 28.1 283°.00	4°.4/26.2 18		
6 20	21 1.93	−29 31.4	1.814	2.658	14.8	20.9
6 30	20 56.96	−29 50.8	1.722	2.640	11.8	20.7
7 10	20 49.20	−30 9.1	1.650	2.621	8.3	20.5
7 20	20 39.20	−30 20.5	1.603	2.602	5.2	20.2
7 30	20 28.00	−30 19.7	1.582	2.583	4.7	20.2
8 9	20 16.91	−30 3.5	1.587	2.565	7.6	20.3
8 19	20 7.21	−29 31.5	1.617	2.546	11.4	20.5
8 29	19 59.98	−28 45.9	1.670	2.527	15.0	20.7
130467 2000 QO_{78}			7 28.1 331°.41	3°.0/29.4 18		
6 20	20 51.23	−11 55.6	1.124	1.989	20.5	19.0
6 30	20 49.59	−11 48.6	1.047	1.976	16.5	18.7
7 10	20 44.80	−12 0.0	0.987	1.963	11.7	18.4
7 20	20 37.37	−12 29.2	0.946	1.951	6.4	18.0
7 30	20 28.42	−13 12.7	0.927	1.940	3.0	17.8
8 9	20 19.52	−14 4.0	0.930	1.930	7.2	18.0
8 19	20 12.22	−14 56.2	0.955	1.921	12.7	18.3
8 29	20 7.83	−15 43.3	0.998	1.913	17.8	18.5
499049 2009 DK_{86}			7 28.1 64°.85	2°.3/27.2 17		
6 20	21 1.30	−23 9.8	1.359	2.217	18.1	21.0
6 30	20 56.84	−23 24.0	1.292	2.220	14.1	20.8
7 10	20 49.23	−23 43.0	1.245	2.224	9.5	20.5
7 20	20 39.20	−24 1.4	1.220	2.228	4.6	20.3
7 30	20 28.03	−24 13.6	1.220	2.232	2.8	20.2
8 9	20 17.29	−24 15.6	1.245	2.236	7.2	20.5
8 19	20 8.38	−24 5.9	1.293	2.240	12.0	20.7
8 29	20 2.36	−23 45.5	1.362	2.245	16.1	21.0
440624 2005 WS_{33}			7 28.1 307°.27	3°.2/29.7 18		
6 20	20 54.08	−10 46.6	2.083	2.898	14.2	20.6
6 30	20 50.21	−10 19.7	1.987	2.884	11.5	20.4
7 10	20 44.33	−10 2.4	1.912	2.870	8.3	20.2
7 20	20 36.88	− 9 54.5	1.861	2.857	5.0	19.9
7 30	20 28.58	− 9 55.4	1.836	2.843	3.2	19.8
8 9	20 20.31	−10 3.1	1.838	2.830	5.2	19.9
8 19	20 12.95	−10 15.4	1.866	2.817	8.7	20.1
8 29	20 7.29	−10 29.7	1.919	2.805	12.0	20.3
213277 2001 OJ_{77}			7 28.1 30°.22	15°.4/12.3 18		
6 20	20 47.11	+22 7.8	0.858	1.610	33.8	19.0
6 30	20 46.73	+21 30.3	0.807	1.622	30.8	18.8
7 10	20 42.94	+19 44.9	0.763	1.636	27.0	18.6
7 20	20 36.47	+16 42.0	0.731	1.652	22.5	18.4
7 30	20 28.68	+12 21.6	0.714	1.669	18.2	18.2
8 9	20 21.34	+ 7 1.6	0.719	1.687	15.6	18.2
8 19	20 16.01	+ 1 14.7	0.746	1.707	16.2	18.3
8 29	20 13.90	− 4 22.0	0.797	1.728	19.2	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67652 2000 SX_{233}			7 28.1 67°.39	2°.9/26.5 17		
	h m	° ′			°	m
6 20	20 57.71	−20 25.0	1.296	2.159	18.5	18.5
6 30	20 54.14	−21 36.1	1.239	2.171	14.3	18.3
7 10	20 47.47	−22 58.5	1.201	2.182	9.5	18.0
7 20	20 38.42	−24 24.2	1.186	2.194	4.6	17.8
7 30	20 28.23	−25 43.6	1.196	2.206	3.5	17.7
8 9	20 18.43	−26 48.6	1.230	2.218	7.8	18.0
8 19	20 10.40	−27 34.8	1.287	2.230	12.4	18.3
8 29	20 5.21	−28 1.4	1.365	2.242	16.4	18.6
112677 2002 PW_{95}			7 28.1 355°.06	4°.0/30.3 18		
6 20	20 50.83	− 7 44.2	1.231	2.079	20.2	19.4
6 30	20 48.86	− 7 55.6	1.160	2.075	16.4	19.2
7 10	20 44.04	− 8 30.3	1.106	2.072	11.9	18.9
7 20	20 36.92	− 9 27.5	1.071	2.071	7.1	18.7
7 30	20 28.57	−10 42.6	1.059	2.069	4.0	18.5
8 9	20 20.36	−12 7.9	1.071	2.069	6.8	18.6
8 19	20 13.65	−13 34.6	1.105	2.070	11.6	18.9
8 29	20 9.54	−14 54.7	1.160	2.071	16.2	19.2
153313 2001 MF_{22}			7 28.1 5°.07	5°.9/25.9 17		
6 20	20 48.54	−26 16.2	0.793	1.705	22.2	18.5
6 30	20 48.58	−27 5.5	0.746	1.704	17.4	18.2
7 10	20 44.56	−27 59.9	0.714	1.704	12.0	18.0
7 20	20 37.31	−28 49.4	0.699	1.706	7.1	17.7
7 30	20 28.50	−29 22.8	0.703	1.711	6.5	17.7
8 9	20 20.30	−29 32.8	0.726	1.718	10.9	18.0
8 19	20 14.58	−29 18.0	0.767	1.726	16.1	18.3
8 29	20 12.57	−28 41.3	0.824	1.737	20.8	18.6
295254 2008 GV_{45}			7 28.1 338°.52	5°.3/24.2 18		
6 20	20 53.61	−29 30.4	1.945	2.799	13.5	20.4
6 30	20 50.31	−30 46.2	1.869	2.793	10.7	20.2
7 10	20 44.63	−32 3.9	1.816	2.786	7.7	20.0
7 20	20 37.09	−33 16.9	1.787	2.780	5.5	19.8
7 30	20 28.55	−34 18.1	1.785	2.775	5.8	19.8
8 9	20 20.09	−35 2.3	1.808	2.770	8.2	20.0
8 19	20 12.80	−35 27.1	1.855	2.765	11.2	20.1
8 29	20 7.58	−35 33.0	1.924	2.761	14.1	20.3
439228 2012 TQ_{95}			7 28.1 220°.64	11°.4/ 5.3 16		
6 20	20 53.59	+12 56.1	2.090	2.779	17.8	21.9
6 30	20 49.82	+13 59.9	2.006	2.777	16.2	21.8
7 10	20 44.07	+14 40.9	1.938	2.774	14.4	21.7
7 20	20 36.77	+14 54.9	1.890	2.771	12.7	21.5
7 30	20 28.63	+14 39.4	1.862	2.768	11.6	21.5
8 9	20 20.52	+13 55.1	1.857	2.765	11.5	21.5
8 19	20 13.32	+12 45.7	1.875	2.761	12.3	21.5
8 29	20 7.80	+11 17.5	1.915	2.758	13.9	21.6
171258 2005 QW_{84}			7 28.1 339°.44	0°.3/28.3 18		
6 20	20 50.66	−17 10.0	2.660	3.487	11.1	19.8
6 30	20 47.10	−17 17.5	2.570	3.480	8.7	19.7
7 10	20 41.99	−17 30.7	2.503	3.474	5.8	19.5
7 20	20 35.73	−17 47.7	2.462	3.468	2.7	19.2
7 30	20 28.89	−18 6.5	2.448	3.463	0.6	19.1
8 9	20 22.14	−18 24.6	2.463	3.458	3.8	19.3
8 19	20 16.11	−18 40.1	2.505	3.453	6.9	19.5
8 29	20 11.40	−18 51.6	2.572	3.449	9.7	19.7
104430 2000 FD_{64}			7 28.1 96°.29	0°.7/28.6 18		
6 20	20 54.18	−14 37.5	1.978	2.808	14.3	19.8
6 30	20 50.35	−15 2.1	1.898	2.809	11.2	19.6
7 10	20 44.43	−15 37.4	1.839	2.810	7.6	19.4
7 20	20 36.93	−16 20.6	1.805	2.811	3.7	19.2
7 30	20 28.61	−17 7.9	1.797	2.811	0.9	19.0
8 9	20 20.43	−17 54.8	1.817	2.812	4.8	19.3
8 19	20 13.28	−18 37.6	1.863	2.813	8.7	19.5
8 29	20 7.94	−19 13.6	1.933	2.814	12.1	19.7
137930 2000 BN_{26}			7 28.1 141°.94	1°.6/27.2 18		
6 20	21 0.03	−21 2.0	1.829	2.666	15.0	20.3
6 30	20 55.04	−21 35.2	1.758	2.675	11.6	20.1
7 10	20 47.63	−22 14.6	1.708	2.683	7.7	19.9
7 20	20 38.39	−22 55.6	1.683	2.691	3.6	19.6
7 30	20 28.27	−23 33.1	1.686	2.698	2.1	19.5
8 9	20 18.43	−24 2.7	1.715	2.705	5.9	19.8
8 19	20 9.91	−24 22.1	1.770	2.711	9.8	20.0
8 29	20 3.58	−24 30.6	1.849	2.716	13.3	20.3
468794 2012 FE_{22}			7 28.1 62°.57	1°.4/27.4 17		
6 20	20 58.44	−19 37.6	1.371	2.228	18.0	21.4
6 30	20 54.39	−20 11.2	1.315	2.242	13.9	21.1
7 10	20 47.45	−20 54.0	1.277	2.257	9.2	20.9
7 20	20 38.35	−21 40.5	1.263	2.271	4.2	20.7
7 30	20 28.29	−22 24.3	1.273	2.287	2.0	20.6
8 9	20 18.70	−22 59.7	1.308	2.302	6.7	20.9
8 19	20 10.83	−23 23.6	1.367	2.317	11.3	21.2
8 29	20 5.63	−23 35.0	1.448	2.332	15.2	21.5

71032 1999 XE_{70} 7 28.1 352°.91 1°.8/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.52	−13 34.2	1.669	2.506	16.2	19.2
6 30	20 50.98	−13 31.0	1.591	2.504	12.9	19.0
7 10	20 45.04	−13 39.2	1.532	2.502	8.9	18.7
7 20	20 37.26	−13 57.3	1.497	2.501	4.6	18.5
7 30	20 28.54	−14 22.4	1.487	2.500	1.9	18.3
8 9	20 20.00	−14 50.6	1.503	2.499	5.5	18.5
8 19	20 12.68	−15 18.2	1.543	2.499	9.7	18.8
8 29	20 7.47	−15 42.4	1.607	2.499	13.5	19.0

459572 2013 GC_{107} 7 28.1 11°.27 1°.7/27.4 17

6 20	20 48.30	−19 13.5	0.835	1.738	22.3	19.9
6 30	20 47.94	−19 42.3	0.787	1.741	17.4	19.6
7 10	20 43.90	−20 25.3	0.756	1.746	11.6	19.3
7 20	20 36.95	−21 16.1	0.742	1.753	5.3	19.0
7 30	20 28.64	−22 5.5	0.747	1.761	2.4	18.9
8 9	20 20.90	−22 45.1	0.773	1.772	8.4	19.3
8 19	20 15.36	−23 9.5	0.818	1.785	14.1	19.6
8 29	20 13.21	−23 17.3	0.880	1.799	19.1	20.0

26301 Hellawillis 7 28.1 328°.93 0°.7/28.5 18

6 20	20 50.88	−14 56.5	1.233	2.099	19.0	18.6
6 30	20 49.17	−15 15.5	1.151	2.083	15.1	18.3
7 10	20 44.45	−15 51.0	1.087	2.067	10.4	18.0
7 20	20 37.23	−16 40.2	1.044	2.052	5.0	17.7
7 30	20 28.54	−17 37.5	1.023	2.038	1.2	17.4
8 9	20 19.85	−18 35.6	1.026	2.025	6.8	17.7
8 19	20 12.63	−19 27.9	1.051	2.013	12.3	18.0
8 29	20 8.15	−20 9.4	1.095	2.002	17.2	18.2

361053 2005 YH_{43} 7 28.1 269°.47 0°.6/28.4 17

6 20	20 57.21	−15 10.6	1.334	2.185	18.7	21.1
6 30	20 53.79	−15 32.9	1.258	2.181	14.8	20.8
7 10	20 47.35	−16 10.1	1.201	2.177	10.1	20.5
7 20	20 38.47	−16 58.6	1.166	2.173	4.8	20.2
7 30	20 28.27	−17 52.7	1.154	2.169	1.1	20.0
8 9	20 18.20	−18 45.6	1.167	2.165	6.6	20.3
8 19	20 9.69	−19 31.6	1.204	2.161	11.8	20.6
8 29	20 3.90	−20 7.2	1.262	2.156	16.3	20.9

509528 2007 XJ_{60} 7 28.1 322°.98 1°.0/28.5 18

6 20	20 55.62	−17 3.9	1.700	2.542	15.7	20.3
6 30	20 51.93	−16 45.3	1.611	2.529	12.4	20.1
7 10	20 45.76	−16 33.4	1.541	2.515	8.5	19.8
7 20	20 37.64	−16 27.0	1.496	2.502	4.2	19.5
7 30	20 28.47	−16 23.8	1.475	2.490	1.2	19.3
8 9	20 19.39	−16 21.4	1.481	2.478	5.5	19.6
8 19	20 11.51	−16 17.7	1.512	2.466	10.0	19.8
8 29	20 5.80	−16 11.4	1.565	2.455	13.9	20.0

386767 2010 CR_{160} 7 28.1 144°.63 2°.2/29.6 18

6 20	20 54.20	− 9 40.9	1.907	2.723	15.3	20.9
6 30	20 50.43	−10 11.6	1.826	2.726	12.2	20.7
7 10	20 44.53	−10 57.7	1.766	2.728	8.6	20.5
7 20	20 37.01	−11 57.0	1.730	2.730	4.7	20.3
7 30	20 28.64	−13 5.5	1.720	2.732	2.2	20.1
8 9	20 20.37	−14 17.6	1.738	2.734	5.0	20.3
8 19	20 13.15	−15 28.1	1.783	2.736	8.8	20.5
8 29	20 7.76	−16 32.6	1.852	2.738	12.4	20.8

363952 2005 UE_{8} 7 28.1 281°.96 4°.2/30.8 18

6 20	20 53.03	− 5 41.1	2.357	3.146	13.5	20.9
6 30	20 49.27	− 5 28.0	2.245	3.121	11.2	20.7
7 10	20 43.68	− 5 27.5	2.155	3.097	8.5	20.5
7 20	20 36.63	− 5 40.1	2.088	3.072	5.8	20.3
7 30	20 28.72	− 6 5.0	2.048	3.047	4.2	20.2
8 9	20 20.71	− 6 40.1	2.036	3.022	5.4	20.2
8 19	20 13.39	− 7 22.4	2.050	2.996	8.3	20.3
8 29	20 7.52	− 8 8.0	2.089	2.971	11.3	20.5

262536 Nowikow 7 28.1 88°.64 0°.2/28.2 17

6 20	20 59.49	−16 44.2	1.573	2.412	16.9	21.2
6 30	20 54.80	−17 0.5	1.512	2.429	13.2	21.0
7 10	20 47.54	−17 26.8	1.471	2.445	8.8	20.8
7 20	20 38.37	−17 59.5	1.453	2.460	4.1	20.5
7 30	20 28.36	−18 33.8	1.461	2.476	0.9	20.3
8 9	20 18.76	−19 5.1	1.496	2.492	5.7	20.7
8 19	20 10.67	−19 30.3	1.556	2.507	10.1	21.0
8 29	20 4.96	−19 47.6	1.638	2.522	13.8	21.3

26673 2001 DJ_{92} 7 28.1 96°.20 0°.3/28.2 18

6 20	21 3.98	−18 37.3	1.606	2.440	16.9	19.2
6 30	20 58.14	−18 25.2	1.545	2.459	13.1	19.0
7 10	20 49.66	−18 19.4	1.505	2.477	8.8	18.8
7 20	20 39.29	−18 17.3	1.488	2.496	4.0	18.5
7 30	20 28.17	−18 15.8	1.499	2.513	0.9	18.3
8 9	20 17.57	−18 12.2	1.536	2.531	5.6	18.7
8 19	20 8.61	−18 5.3	1.598	2.548	10.0	19.0
8 29	20 2.14	−17 54.6	1.685	2.564	13.7	19.3

512816 2016 UW_{99} 7 28.1 343°.20 0°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.84	−18 49.4	1.825	2.668	14.8	21.6
6 30	20 51.10	−19 4.8	1.745	2.665	11.5	21.3
7 10	20 45.07	−19 27.6	1.686	2.662	7.7	21.1
7 20	20 37.29	−19 54.6	1.652	2.660	3.5	20.9
7 30	20 28.61	−20 21.9	1.643	2.658	1.1	20.7
8 9	20 20.09	−20 45.6	1.661	2.656	5.4	21.0
8 19	20 12.74	−21 3.1	1.704	2.654	9.4	21.2
8 29	20 7.41	−21 12.8	1.771	2.653	13.0	21.4

166533 2002 RP_{16} 7 28.1 284°.64 3°.7/30.5 18

6 20	20 53.11	− 6 49.6	2.004	2.809	15.0	19.9
6 30	20 49.69	− 6 55.0	1.898	2.786	12.3	19.7
7 10	20 44.17	− 7 16.1	1.812	2.764	9.2	19.4
7 20	20 36.94	− 7 52.8	1.749	2.741	5.8	19.2
7 30	20 28.68	− 8 43.4	1.712	2.718	3.7	19.0
8 9	20 20.29	− 9 43.9	1.702	2.695	5.6	19.1
8 19	20 12.73	−10 49.6	1.719	2.672	9.1	19.2
8 29	20 6.88	−11 55.4	1.759	2.648	12.7	19.4

128752 2004 RA_{183} 7 28.1 333°.02 2°.0/28.9 18

6 20	20 54.44	−14 9.3	1.465	2.312	17.5	19.9
6 30	20 51.34	−13 57.1	1.384	2.303	14.0	19.6
7 10	20 45.55	−13 56.7	1.322	2.295	9.7	19.3
7 20	20 37.61	−14 6.7	1.282	2.287	5.1	19.1
7 30	20 28.53	−14 24.3	1.267	2.280	2.1	18.8
8 9	20 19.58	−14 45.7	1.276	2.273	6.1	19.1
8 19	20 11.98	−15 7.3	1.308	2.267	10.8	19.3
8 29	20 6.77	−15 25.7	1.363	2.262	15.1	19.6

152300 2005 TF_{51} 7 28.1 75°.68 1°.2/27.6 17

6 20	21 0.35	−21 23.4	1.582	2.429	16.5	19.9
6 30	20 55.63	−21 27.8	1.513	2.434	12.8	19.7
7 10	20 48.19	−21 37.1	1.464	2.440	8.6	19.5
7 20	20 38.72	−21 47.6	1.438	2.446	3.9	19.2
7 30	20 28.31	−21 55.2	1.438	2.452	1.7	19.0
8 9	20 18.26	−21 56.6	1.464	2.458	6.1	19.4
8 19	20 9.77	−21 50.3	1.516	2.464	10.5	19.6
8 29	20 3.75	−21 36.3	1.589	2.470	14.3	19.9

427641 2003 UH_{354} 7 28.1 245°.46 3°.7/26.0 17

6 20	21 0.13	−24 46.0	1.718	2.564	15.4	22.6
6 30	20 55.74	−25 40.8	1.629	2.551	12.1	22.3
7 10	20 48.54	−26 41.8	1.562	2.537	8.3	22.1
7 20	20 39.04	−27 42.5	1.518	2.522	4.7	21.8
7 30	20 28.20	−28 35.8	1.501	2.507	4.2	21.8
8 9	20 17.35	−29 15.5	1.511	2.491	7.6	21.9
8 19	20 7.80	−29 38.3	1.545	2.475	11.7	22.1
8 29	20 0.68	−29 44.0	1.601	2.458	15.5	22.3

122413 2000 QT_{92} 7 28.1 306°.33 1°.6/28.9 18

6 20	20 54.93	−14 36.7	1.555	2.399	16.9	19.3
6 30	20 51.72	−14 30.2	1.463	2.381	13.5	19.0
7 10	20 45.85	−14 34.9	1.390	2.363	9.4	18.7
7 20	20 37.80	−14 49.4	1.340	2.345	4.8	18.4
7 30	20 28.50	−15 10.7	1.314	2.328	1.7	18.1
8 9	20 19.17	−15 35.0	1.314	2.311	6.0	18.4
8 19	20 11.06	−15 58.5	1.338	2.295	10.8	18.6
8 29	20 5.26	−16 18.0	1.383	2.279	15.1	18.8

76974 2001 BO_{54} 7 28.1 174°.67 1°.8/27.4 18

6 20	21 1.75	−22 25.7	1.614	2.459	16.3	19.6
6 30	20 56.79	−22 38.1	1.539	2.460	12.7	19.3
7 10	20 49.04	−22 55.0	1.485	2.461	8.5	19.1
7 20	20 39.15	−23 12.1	1.454	2.462	4.0	18.8
7 30	20 28.22	−23 24.7	1.449	2.462	2.2	18.7
8 9	20 17.57	−23 28.9	1.471	2.462	6.4	19.0
8 19	20 8.47	−23 23.5	1.517	2.462	10.8	19.2
8 29	20 1.88	−23 8.7	1.587	2.462	14.7	19.5

10678 Alilagoa 7 28.1 4°.30 4°.9/29.8 18

6 20	20 54.46	−10 52.2	1.098	1.957	21.3	17.7
6 30	20 51.96	−10 2.4	1.034	1.956	17.3	17.4
7 10	20 46.24	− 9 28.5	0.986	1.956	12.6	17.2
7 20	20 38.00	− 9 11.7	0.958	1.957	7.7	16.9
7 30	20 28.49	− 9 11.4	0.951	1.959	5.0	16.8
8 9	20 19.30	− 9 24.3	0.966	1.963	7.8	16.9
8 19	20 11.91	− 9 45.9	1.003	1.967	12.6	17.2
8 29	20 7.45	−10 10.8	1.059	1.972	17.2	17.5

229562 2006 AX_{8} 7 28.1 224°.05 6°.7/23.3 18

6 20	21 0.44	−33 42.3	2.008	2.849	13.7	20.5
6 30	20 55.76	−35 7.3	1.931	2.841	11.1	20.3
7 10	20 48.42	−36 31.4	1.876	2.834	8.5	20.1
7 20	20 38.93	−37 46.8	1.847	2.826	6.8	20.0
7 30	20 28.26	−38 45.6	1.844	2.818	7.2	20.0
8 9	20 17.65	−39 22.9	1.866	2.809	9.4	20.1
8 19	20 8.32	−39 37.1	1.913	2.800	12.1	20.3
8 29	20 1.31	−39 29.8	1.982	2.790	14.8	20.4

218989 2008 HT_{11} 7 28.1 67°.15 4°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.68	− 5 9.3	2.187	2.980	14.3	20.3
6 30	20 48.85	− 5 3.3	2.114	2.991	11.7	20.1
7 10	20 43.26	− 5 11.7	2.061	3.003	8.8	20.0
7 20	20 36.38	− 5 34.0	2.031	3.015	5.9	19.8
7 30	20 28.89	− 6 8.6	2.028	3.027	4.2	19.7
8 9	20 21.58	− 6 52.3	2.052	3.039	5.3	19.8
8 19	20 15.19	− 7 41.3	2.102	3.051	8.0	20.0
8 29	20 10.34	− 8 31.7	2.178	3.063	10.8	20.2

513393 2008 HB_{62} 7 28.1 347°.18 6°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.71	−33 10.8	2.004	2.855	13.3	20.3
6 30	20 51.21	−34 38.3	1.934	2.851	10.7	20.1
7 10	20 45.29	−36 5.0	1.887	2.848	8.2	19.9
7 20	20 37.47	−37 23.4	1.864	2.845	6.6	19.8
7 30	20 28.62	−38 26.4	1.867	2.842	7.0	19.8
8 9	20 19.88	−39 9.0	1.895	2.840	9.1	20.0
8 19	20 12.34	−39 29.5	1.948	2.838	11.8	20.1
8 29	20 6.93	−39 29.1	2.021	2.836	14.3	20.3

60180 1999 VK_{8} 7 28.1 321°.57 0°.6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.77	−18 49.1	1.916	2.760	14.1	19.5
6 30	20 49.52	−19 7.8	1.824	2.745	11.1	19.3
7 10	20 44.08	−19 34.1	1.754	2.730	7.4	19.0
7 20	20 36.90	−20 5.1	1.707	2.715	3.4	18.8
7 30	20 28.76	−20 36.9	1.687	2.701	1.1	18.6
8 9	20 20.66	−21 5.5	1.693	2.688	5.3	18.8
8 19	20 13.57	−21 27.9	1.725	2.675	9.3	19.0
8 29	20 8.37	−21 42.1	1.780	2.662	13.0	19.2

36852 2000 SA_{124} 7 28.1 161°.79 2°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.20	−27 7.5	2.798	3.628	10.6	19.6
6 30	20 51.38	−27 51.1	2.722	3.633	8.2	19.4
7 10	20 44.87	−28 35.5	2.669	3.638	5.7	19.3
7 20	20 37.12	−29 16.9	2.643	3.642	3.4	19.1
7 30	20 28.76	−29 51.7	2.646	3.646	3.2	19.1
8 9	20 20.53	−30 17.0	2.677	3.650	5.3	19.3
8 19	20 13.14	−30 31.5	2.736	3.653	7.8	19.5
8 29	20 7.21	−30 35.2	2.820	3.656	10.1	19.6

1180 Rita 7 28.1 5°.70 1°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.53	−22 35.8	2.531	3.371	11.2	14.5
6 30	20 47.16	−23 14.1	2.453	3.372	8.7	14.3
7 10	20 42.14	−23 56.3	2.398	3.373	5.8	14.1
7 20	20 35.90	−24 39.1	2.369	3.375	2.9	14.0
7 30	20 29.04	−25 18.7	2.367	3.377	2.1	13.9
8 9	20 22.30	−25 52.0	2.394	3.380	4.8	14.1
8 19	20 16.37	−26 16.9	2.447	3.383	7.7	14.3
8 29	20 11.86	−26 32.3	2.524	3.386	10.3	14.5

149021 2002 AS_{95} 7 28.1 171°.45 1°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.12	−20 29.8	2.334	3.168	12.3	20.6
6 30	20 50.10	−21 22.5	2.253	3.169	9.5	20.4
7 10	20 44.21	−22 21.6	2.196	3.170	6.3	20.2
7 20	20 36.89	−23 23.1	2.164	3.171	3.0	20.0
7 30	20 28.82	−24 22.4	2.160	3.171	2.0	19.9
8 9	20 20.85	−25 15.1	2.185	3.172	5.0	20.1
8 19	20 13.76	−25 58.1	2.236	3.172	8.3	20.3
8 29	20 8.27	−26 30.0	2.313	3.172	11.2	20.5

166405 2002 NB_{45} 7 28.1 10°.71 4°.6/30.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.93	− 9 59.0	1.078	1.947	21.0	18.6
6 30	20 46.76	− 9 27.1	1.024	1.952	16.9	18.4
7 10	20 42.66	− 9 14.5	0.987	1.959	12.3	18.2
7 20	20 36.33	− 9 21.2	0.969	1.969	7.5	17.9
7 30	20 28.97	− 9 45.0	0.972	1.981	4.6	17.8
8 9	20 22.03	−10 20.5	0.996	1.995	7.2	18.0
8 19	20 16.77	−11 1.5	1.042	2.010	11.7	18.3
8 29	20 14.15	−11 41.9	1.108	2.028	16.0	18.6

94620 2001 VK_{122} 7 28.1 138°.64 3°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.10	−24 29.0	1.937	2.780	14.1	19.2
6 30	20 53.65	−25 49.4	1.868	2.787	10.9	19.0
7 10	20 46.82	−27 15.1	1.821	2.794	7.4	18.8
7 20	20 38.16	−28 39.7	1.799	2.801	4.4	18.6
7 30	20 28.54	−29 55.7	1.806	2.807	4.2	18.6
8 9	20 19.08	−30 57.5	1.839	2.814	7.1	18.8
8 19	20 10.82	−31 41.8	1.899	2.819	10.4	19.0
8 29	20 4.66	−32 8.5	1.981	2.825	13.5	19.2

151444 2002 GR_{45} 7 28.1 174°.38 2°.7/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.61	−27 0.2	2.831	3.659	10.5	20.7
6 30	20 51.67	−27 31.9	2.750	3.661	8.2	20.6
7 10	20 45.06	−28 4.1	2.694	3.663	5.6	20.4
7 20	20 37.22	−28 33.3	2.664	3.665	3.3	20.3
7 30	20 28.78	−28 56.4	2.663	3.666	2.9	20.2
8 9	20 20.48	−29 10.7	2.691	3.666	5.0	20.4
8 19	20 13.03	−29 15.4	2.746	3.667	7.6	20.6
8 29	20 7.02	−29 10.4	2.826	3.666	10.0	20.7

508873 2003 FW_{29} 7 28.1 99°.01 1°.0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.95	−12 49.8	2.478	3.288	12.4	22.3
6 30	20 50.37	−13 22.8	2.412	3.310	9.7	22.1
7 10	20 44.16	−14 5.0	2.368	3.333	6.6	22.0
7 20	20 36.79	−14 54.0	2.351	3.354	3.3	21.8
7 30	20 28.89	−15 46.5	2.362	3.376	1.0	21.7
8 9	20 21.21	−16 38.6	2.402	3.397	3.9	21.9
8 19	20 14.41	−17 27.4	2.470	3.418	7.0	22.2
8 29	20 9.07	−18 10.4	2.565	3.438	9.8	22.4

373405 1995 WO_{21} 7 28.1 319°.99 4°.3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.16	−23 40.8	1.305	2.178	17.8	20.6
6 30	20 51.83	−24 46.6	1.227	2.164	13.9	20.3
7 10	20 46.33	−26 2.5	1.168	2.150	9.6	20.0
7 20	20 38.19	−27 20.7	1.131	2.137	5.4	19.8
7 30	20 28.52	−28 31.7	1.118	2.125	4.9	19.7
8 9	20 18.87	−29 26.7	1.128	2.113	8.9	19.9
8 19	20 10.80	−30 1.0	1.161	2.102	13.7	20.1
8 29	20 5.62	−30 13.6	1.212	2.092	18.0	20.4

504291 2006 XW_{51} 7 28.1 265°.53 3°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.05	− 9 45.1	1.647	2.468	17.1	21.5
6 30	20 53.13	− 9 23.4	1.557	2.457	13.9	21.3
7 10	20 46.67	− 9 15.1	1.487	2.447	10.1	21.1
7 20	20 38.18	− 9 20.5	1.439	2.436	6.1	20.8
7 30	20 28.55	− 9 38.1	1.417	2.424	3.8	20.6
8 9	20 18.94	−10 4.8	1.420	2.413	6.3	20.8
8 19	20 10.51	−10 36.7	1.448	2.402	10.4	21.0
8 29	20 4.26	−11 9.8	1.499	2.390	14.4	21.2

99172 2001 FG_{160} 7 28.1 277°.17 1°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.93	−21 35.1	1.865	2.706	14.6	19.5
6 30	20 53.51	−21 47.3	1.784	2.703	11.4	19.3
7 10	20 46.72	−22 4.3	1.725	2.700	7.6	19.1
7 20	20 38.11	−22 22.4	1.689	2.697	3.5	18.8
7 30	20 28.60	−22 37.7	1.681	2.694	1.7	18.7
8 9	20 19.27	−22 46.9	1.699	2.691	5.6	19.0
8 19	20 11.17	−22 48.3	1.743	2.688	9.6	19.2
8 29	20 5.16	−22 41.3	1.810	2.685	13.2	19.4

506606 2006 BJ_{138} 7 28.1 206°.79 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.79	−18 24.6	2.287	3.108	12.9	23.0
6 30	20 53.74	−18 39.0	2.195	3.102	10.1	22.8
7 10	20 46.67	−18 59.6	2.126	3.096	6.8	22.6
7 20	20 38.05	−19 23.5	2.082	3.089	3.1	22.4
7 30	20 28.61	−19 47.7	2.067	3.082	0.8	22.2
8 9	20 19.25	−20 9.0	2.080	3.073	4.6	22.4
8 19	20 10.84	−20 25.2	2.121	3.065	8.3	22.6
8 29	20 4.14	−20 35.1	2.187	3.055	11.5	22.8

234602 2001 YS_{161} 7 28.1 134°.04 4°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.40	−28 52.4	1.826	2.670	14.7	20.3
6 30	20 56.32	−29 30.5	1.757	2.675	11.6	20.1
7 10	20 48.62	−30 8.4	1.709	2.680	8.1	19.9
7 20	20 38.98	−30 40.1	1.686	2.684	5.1	19.7
7 30	20 28.41	−31 0.1	1.689	2.689	4.7	19.7
8 9	20 18.18	−31 4.8	1.718	2.693	7.5	19.9
8 19	20 9.42	−30 53.8	1.773	2.697	10.8	20.1
8 29	20 3.02	−30 28.8	1.850	2.701	14.0	20.3

41015 1999 UB_{24} 7 28.1 95°.16 6°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.39	+ 2 1.3	2.428	3.175	14.3	18.5
6 30	20 49.24	+ 2 37.6	2.352	3.187	12.2	18.4
7 10	20 43.47	+ 2 58.2	2.295	3.198	9.9	18.3
7 20	20 36.51	+ 3 1.8	2.261	3.209	7.8	18.2
7 30	20 28.98	+ 2 48.2	2.253	3.219	6.6	18.1
8 9	20 21.60	+ 2 19.3	2.271	3.230	6.9	18.1
8 19	20 15.03	+ 1 38.2	2.315	3.241	8.5	18.3
8 29	20 9.88	+ 0 48.9	2.383	3.251	10.6	18.4

379226 2009 SV_{217} 7 28.1 274°.53 1°.7/28.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.46	−13 58.9	1.709	2.540	16.1	22.0
6 30	20 53.54	−13 56.4	1.609	2.520	12.9	21.7
7 10	20 47.04	−14 5.1	1.530	2.499	9.0	21.4
7 20	20 38.41	−14 23.5	1.473	2.478	4.7	21.1
7 30	20 28.51	−14 48.8	1.443	2.456	1.8	20.9
8 9	20 18.50	−15 17.2	1.438	2.434	5.7	21.1
8 19	20 9.59	−15 45.0	1.459	2.412	10.4	21.3
8 29	20 2.84	−16 9.0	1.502	2.390	14.6	21.5

381727 2009 RX_{16} 7 28.1 324°.07 0°.8/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.70	−15 32.3	1.257	2.122	18.8	21.0
6 30	20 49.86	−15 40.7	1.170	2.102	15.0	20.7
7 10	20 45.00	−16 3.5	1.102	2.082	10.3	20.4
7 20	20 37.60	−16 38.5	1.055	2.063	5.0	20.0
7 30	20 28.68	−17 21.0	1.030	2.044	1.2	19.7
8 9	20 19.70	−18 4.8	1.028	2.027	6.8	20.0
8 19	20 12.15	−18 44.0	1.048	2.011	12.3	20.3
8 29	20 7.32	−19 14.5	1.088	1.996	17.3	20.5

201547 2003 QN_{106} 7 28.1 310°.56 0°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.79	−18 38.0	1.569	2.421	16.3	20.2
6 30	20 51.82	−18 46.8	1.467	2.392	12.9	19.9
7 10	20 46.10	−19 4.6	1.385	2.363	8.8	19.6
7 20	20 38.06	−19 28.5	1.326	2.335	4.1	19.2
7 30	20 28.58	−19 54.4	1.292	2.306	1.1	18.9
8 9	20 18.93	−20 17.4	1.282	2.278	6.3	19.2
8 19	20 10.43	−20 34.0	1.297	2.251	11.3	19.4
8 29	20 4.29	−20 42.0	1.332	2.224	15.8	19.6

36947 2000 SW_{258} 7 28.1 58°.82 3°.7/26.6 18

6 20	21 0.85	−25 1.5	1.318	2.181	18.2	18.8
6 30	20 56.66	−25 35.6	1.258	2.188	14.2	18.6
7 10	20 49.24	−26 13.6	1.216	2.195	9.7	18.4
7 20	20 39.36	−26 48.9	1.197	2.202	5.2	18.1
7 30	20 28.34	−27 14.4	1.201	2.210	4.1	18.1
8 9	20 17.79	−27 25.1	1.230	2.217	8.0	18.3
8 19	20 9.15	−27 19.8	1.282	2.225	12.5	18.6
8 29	20 3.47	−27 0.0	1.355	2.233	16.5	18.9

395182 2010 EP_{111} 7 28.1 216°.56 9°.9/18.9 18

6 20	21 15.38	−53 34.7	2.857	3.617	12.0	22.8
6 30	21 7.45	−54 55.2	2.788	3.605	10.9	22.7
7 10	20 56.31	−56 3.2	2.740	3.593	10.1	22.6
7 20	20 42.61	−56 51.1	2.716	3.579	9.9	22.6
7 30	20 27.57	−57 12.7	2.716	3.565	10.3	22.6
8 9	20 12.76	−57 5.6	2.739	3.549	11.2	22.6
8 19	19 59.66	−56 31.2	2.784	3.533	12.5	22.7
8 29	19 49.44	−55 33.9	2.849	3.515	13.8	22.8

325018 2008 CV_{18} 7 28.1 72°.01 1°.8/27.3 13 C

6 20	20 59.92	−20 48.5	1.452	2.304	17.4	21.6
6 30	20 55.42	−21 22.6	1.397	2.322	13.5	21.4
7 10	20 48.12	−22 4.2	1.362	2.340	8.9	21.2
7 20	20 38.75	−22 47.6	1.350	2.358	4.1	21.0
7 30	20 28.50	−23 26.6	1.363	2.376	2.3	20.9
8 9	20 18.74	−23 56.2	1.402	2.394	6.6	21.2
8 19	20 10.67	−24 13.9	1.465	2.412	11.0	21.5
8 29	20 5.20	−24 19.5	1.550	2.429	14.7	21.8

263663 2008 GJ_{109} 7 28.1 2°.91 8°.1/ 2.8 18

6 20	20 51.25	+ 4 25.8	2.126	2.874	16.0	20.2
6 30	20 47.94	+ 5 9.8	2.043	2.874	13.9	20.0
7 10	20 42.80	+ 5 35.1	1.979	2.874	11.6	19.9
7 20	20 36.28	+ 5 39.3	1.937	2.874	9.5	19.8
7 30	20 29.04	+ 5 21.6	1.918	2.875	8.2	19.7
8 9	20 21.89	+ 4 43.7	1.923	2.876	8.4	19.7
8 19	20 15.60	+ 3 49.3	1.953	2.877	10.0	19.8
8 29	20 10.87	+ 2 43.8	2.006	2.879	12.1	19.9

79175 1993 FU_{47} 7 28.1 228°.84 1°.2/27.5 18

6 20	20 58.98	−19 54.8	1.735	2.575	15.5	20.2
6 30	20 54.60	−20 20.1	1.650	2.569	12.1	20.0
7 10	20 47.63	−20 53.0	1.587	2.563	8.1	19.7
7 20	20 38.62	−21 29.5	1.548	2.556	3.8	19.4
7 30	20 28.52	−22 4.7	1.535	2.549	1.7	19.3
8 9	20 18.52	−22 33.9	1.549	2.541	6.0	19.5
8 19	20 9.80	−22 53.9	1.588	2.533	10.3	19.8
8 29	20 3.32	−23 3.7	1.650	2.525	14.2	20.0

287778 2003 SX_{93} 7 28.1 255°.76 2°.9/29.9 18

6 20	20 55.56	− 9 23.5	2.196	3.000	13.9	21.2
6 30	20 51.39	− 9 19.8	2.092	2.982	11.3	21.0
7 10	20 45.22	− 9 27.8	2.009	2.964	8.2	20.7
7 20	20 37.46	− 9 47.1	1.950	2.945	4.9	20.5
7 30	20 28.78	−10 16.0	1.918	2.926	2.9	20.3
8 9	20 20.04	−10 51.5	1.914	2.907	5.0	20.4
8 19	20 12.12	−11 30.5	1.937	2.887	8.5	20.6
8 29	20 5.80	−12 9.3	1.985	2.867	11.8	20.8

149140 2002 EQ_{95} 7 28.2 150°.65 2°.3/26.5 18

6 20	20 56.37	−24 58.8	2.570	3.401	11.3	21.1
6 30	20 51.63	−25 29.6	2.493	3.406	8.8	20.9
7 10	20 45.12	−26 2.1	2.439	3.411	5.9	20.8
7 20	20 37.30	−26 32.9	2.412	3.416	3.2	20.6
7 30	20 28.86	−26 58.5	2.413	3.420	2.6	20.6
8 9	20 20.59	−27 16.2	2.443	3.424	5.0	20.7
8 19	20 13.24	−27 24.5	2.500	3.428	7.9	20.9
8 29	20 7.43	−27 23.4	2.581	3.432	10.5	21.1

127629 2003 BJ_{89} 7 28.2 43°.77 3°.0/30.4 18

6 20	20 52.25	− 7 44.8	2.010	2.820	14.8	19.7
6 30	20 48.80	− 8 3.3	1.932	2.825	11.9	19.5
7 10	20 43.43	− 8 37.1	1.875	2.831	8.6	19.3
7 20	20 36.59	− 9 24.6	1.841	2.836	5.2	19.1
7 30	20 29.03	−10 22.8	1.834	2.842	3.0	19.0
8 9	20 21.60	−11 27.0	1.854	2.849	4.9	19.1
8 19	20 15.14	−12 32.5	1.901	2.855	8.3	19.3
8 29	20 10.35	−13 34.8	1.972	2.861	11.6	19.6

94257 2001 CJ_{35} 7 28.2 251°.83 9°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 3.65	−47 50.0	2.455	3.259	12.6	19.2
6 30	20 58.20	−49 5.8	2.392	3.254	11.1	19.0
7 10	20 50.00	−50 10.9	2.351	3.249	9.9	19.0
7 20	20 39.69	−50 58.0	2.333	3.244	9.4	18.9
7 30	20 28.32	−51 21.5	2.339	3.239	9.8	18.9
8 9	20 17.22	−51 18.8	2.369	3.234	11.0	19.0
8 19	20 7.62	−50 50.8	2.420	3.228	12.5	19.1
8 29	20 0.49	−50 1.3	2.492	3.223	14.1	19.2

250758 2005 SG_{216} 7 28.2 356°.06 8°.6/23.3 18

6 20	20 57.22	−37 43.3	1.661	2.515	15.5	19.4
6 30	20 53.75	−38 53.7	1.598	2.512	12.8	19.2
7 10	20 47.30	−39 57.9	1.555	2.509	10.2	19.0
7 20	20 38.52	−40 47.4	1.535	2.507	8.7	18.9
7 30	20 28.60	−41 14.5	1.539	2.506	9.0	18.9
8 9	20 19.03	−41 15.4	1.566	2.505	11.0	19.1
8 19	20 11.13	−40 50.5	1.614	2.505	13.7	19.2
8 29	20 5.95	−40 3.5	1.683	2.507	16.4	19.4

121444 1999 TN_{188} 7 28.2 311°.71 4°.9/25.7 18

6 20	20 58.90	−31 16.2	1.947	2.792	13.9	19.4
6 30	20 54.58	−31 40.7	1.851	2.768	11.1	19.1
7 10	20 47.66	−32 3.2	1.777	2.745	8.1	18.9
7 20	20 38.68	−32 18.2	1.727	2.722	5.5	18.7
7 30	20 28.56	−32 20.5	1.703	2.699	5.2	18.6
8 9	20 18.51	−32 6.8	1.704	2.676	7.8	18.7
8 19	20 9.70	−31 36.4	1.731	2.654	11.1	18.9
8 29	20 3.13	−30 51.4	1.781	2.632	14.4	19.1

312528 2009 DX_{109} 7 28.2 173°.61 2°.2/27.2 17

6 20	21 3.63	−23 10.3	1.627	2.469	16.3	21.2
6 30	20 58.30	−23 27.7	1.552	2.471	12.8	21.0
7 10	20 50.13	−23 49.3	1.498	2.473	8.6	20.7
7 20	20 39.77	−24 10.1	1.468	2.474	4.2	20.5
7 30	20 28.34	−24 25.1	1.464	2.475	2.6	20.4
8 9	20 17.22	−24 30.4	1.486	2.475	6.6	20.6
8 19	20 7.66	−24 24.7	1.534	2.475	10.9	20.9
8 29	20 0.67	−24 8.6	1.604	2.475	14.8	21.1

5656 Oldfield 7 28.2 343°.07 4°.1/29.5 18

6 20	20 47.57	−12 47.8	1.036	1.914	20.9	16.6
6 30	20 47.01	−12 3.3	0.959	1.895	16.9	16.3
7 10	20 43.27	−11 32.4	0.899	1.878	12.2	16.0
7 20	20 36.88	−11 16.6	0.858	1.862	7.2	15.6
7 30	20 28.96	−11 15.4	0.837	1.848	4.1	15.4
8 9	20 21.10	−11 25.6	0.836	1.836	7.7	15.6
8 19	20 14.86	−11 43.0	0.856	1.827	13.1	15.8
8 29	20 11.58	−12 2.4	0.893	1.819	18.2	16.1

313601 2003 OL_{33} 7 28.2 317°.68 2°.9/30.4 18

6 20	20 51.25	− 7 41.0	2.293	3.096	13.4	20.6
6 30	20 47.87	− 7 54.4	2.202	3.091	10.9	20.4
7 10	20 42.75	− 8 21.2	2.133	3.086	7.9	20.3
7 20	20 36.30	− 9 0.4	2.089	3.082	4.8	20.1
7 30	20 29.15	− 9 49.8	2.071	3.078	2.9	19.9
8 9	20 22.05	−10 45.6	2.080	3.074	4.6	20.0
8 19	20 15.74	−11 43.9	2.117	3.070	7.7	20.2
8 29	20 10.89	−12 40.8	2.179	3.066	10.7	20.4

483618 2004 TR_{76} 7 28.2 287°.87 0°.5/27.8 17

6 20	20 54.02	−19 0.6	2.296	3.128	12.5	22.2
6 30	20 50.17	−19 19.8	2.197	3.111	9.8	22.0
7 10	20 44.39	−19 45.2	2.120	3.094	6.6	21.8
7 20	20 37.10	−20 14.4	2.069	3.077	3.0	21.5
7 30	20 28.96	−20 43.9	2.045	3.060	1.0	21.3
8 9	20 20.83	−21 10.4	2.049	3.042	4.7	21.6
8 19	20 13.53	−21 31.4	2.080	3.025	8.3	21.8
8 29	20 7.83	−21 45.4	2.135	3.008	11.5	21.9

496171 2011 AU_{74} 7 28.2 248°.82 10°.9/19.7 17

6 20	21 2.16	−30 8.5	1.179	2.050	19.4	20.5
6 30	20 59.36	−33 34.1	1.111	2.041	15.7	20.2
7 10	20 52.39	−37 14.0	1.064	2.030	12.4	20.0
7 20	20 41.49	−40 48.5	1.042	2.020	10.9	19.9
7 30	20 27.87	−43 54.7	1.044	2.009	12.6	20.0
8 9	20 13.68	−46 15.4	1.070	1.998	16.1	20.1
8 19	20 1.40	−47 44.6	1.115	1.986	20.0	20.3
8 29	19 53.15	−48 26.6	1.177	1.974	23.5	20.5

201622 2003 SW_{252} 7 28.2 180°.60 5°.1/25.7 17

6 20	21 1.90	−31 27.3	1.896	2.738	14.4	20.0
6 30	20 56.73	−32 1.2	1.823	2.738	11.4	19.8
7 10	20 48.94	−32 32.7	1.772	2.738	8.2	19.6
7 20	20 39.20	−32 55.8	1.745	2.738	5.6	19.4
7 30	20 28.52	−33 5.2	1.744	2.738	5.4	19.4
8 9	20 18.16	−32 57.8	1.770	2.738	7.8	19.6
8 19	20 9.26	−32 33.9	1.821	2.738	11.0	19.8
8 29	20 2.73	−31 55.5	1.894	2.738	14.0	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
293338 2007 DK_{87}			7 28.2	83°.25	0°.9/27.5 18	
	h m	° ′			°	m
6 20	20 54.67	−19 57.0	2.330	3.162	12.3	21.0
6 30	20 50.43	−20 24.5	2.259	3.173	9.5	20.8
7 10	20 44.38	−20 57.2	2.211	3.184	6.3	20.6
7 20	20 37.02	−21 32.0	2.188	3.195	2.9	20.4
7 30	20 29.05	−22 5.3	2.193	3.206	1.3	20.3
8 9	20 21.27	−22 33.9	2.226	3.217	4.5	20.6
8 19	20 14.45	−22 55.8	2.286	3.228	7.8	20.8
8 29	20 9.23	−23 9.7	2.371	3.239	10.7	21.0
353641 2011 UF_{86}			7 28.2	285°.69	2°.9/26.3 18	
6 20	20 55.26	−23 59.2	2.027	2.872	13.4	20.9
6 30	20 51.45	−24 47.8	1.942	2.863	10.5	20.7
7 10	20 45.41	−25 41.4	1.879	2.854	7.1	20.5
7 20	20 37.63	−26 35.2	1.841	2.846	3.8	20.3
7 30	20 28.89	−27 23.6	1.830	2.837	3.2	20.2
8 9	20 20.21	−28 1.9	1.846	2.828	6.3	20.4
8 19	20 12.58	−28 27.5	1.887	2.820	9.8	20.6
8 29	20 6.87	−28 39.6	1.952	2.811	13.0	20.8
72634 2001 FF_{33}			7 28.2	355°.44	7°.9/ 2.4 18	
6 20	20 53.07	+ 2 44.1	1.881	2.646	17.3	19.0
6 30	20 49.63	+ 3 15.2	1.799	2.645	14.9	18.8
7 10	20 44.12	+ 3 25.6	1.735	2.645	12.2	18.6
7 20	20 37.00	+ 3 13.0	1.692	2.645	9.6	18.5
7 30	20 29.04	+ 2 37.3	1.673	2.645	8.0	18.4
8 9	20 21.16	+ 1 41.1	1.678	2.644	8.3	18.4
8 19	20 14.27	+ 0 29.6	1.708	2.645	10.4	18.5
8 29	20 9.17	− 0 50.7	1.761	2.645	13.0	18.7
179381 2001 XB_{258}			7 28.2	289°.71	2°.6/29.8 18	
6 20	20 54.27	− 9 50.5	2.209	3.016	13.7	20.1
6 30	20 50.56	− 9 57.6	2.090	2.983	11.2	19.9
7 10	20 44.82	−10 17.4	1.992	2.950	8.1	19.6
7 20	20 37.40	−10 49.1	1.918	2.916	4.7	19.3
7 30	20 28.92	−11 30.8	1.871	2.881	2.6	19.1
8 9	20 20.23	−12 19.2	1.852	2.846	4.9	19.2
8 19	20 12.22	−13 10.5	1.860	2.811	8.7	19.4
8 29	20 5.77	−14 0.6	1.893	2.776	12.3	19.5
3849 Incidentia			7 28.2	198°.26	3°.7/26.2 18	
6 20	21 0.02	−25 59.9	1.745	2.592	15.2	17.1
6 30	20 55.46	−26 42.0	1.669	2.591	11.9	16.9
7 10	20 48.23	−27 27.1	1.615	2.590	8.1	16.7
7 20	20 38.94	−28 9.4	1.585	2.588	4.7	16.5
7 30	20 28.60	−28 42.8	1.582	2.587	4.1	16.4
8 9	20 18.48	−29 2.7	1.604	2.585	7.2	16.6
8 19	20 9.76	−29 7.3	1.651	2.583	11.0	16.8
8 29	20 3.41	−28 57.4	1.721	2.581	14.5	17.1
321779 2010 OT_{82}			7 28.2	296°.94	11°.7/18.8 18	R
6 20	21 7.55	−52 9.8	2.190	2.983	14.3	20.3
6 30	21 2.09	−53 33.5	2.122	2.966	13.0	20.2
7 10	20 53.12	−54 43.6	2.074	2.950	12.0	20.1
7 20	20 41.33	−55 31.3	2.048	2.933	11.7	20.0
7 30	20 28.06	−55 48.9	2.044	2.916	12.2	20.0
8 9	20 15.10	−55 33.5	2.061	2.900	13.4	20.1
8 19	20 4.10	−54 46.7	2.098	2.884	14.9	20.1
8 29	19 56.32	−53 33.6	2.154	2.868	16.5	20.2
182953 2002 HN_{17}			7 28.2	2°.18	12°.2/16.2 18	R
6 20	20 57.07	−44 44.1	1.732	2.574	15.5	18.1
6 30	20 54.37	−47 29.1	1.685	2.573	13.6	18.0
7 10	20 48.27	−50 4.3	1.660	2.573	12.4	17.9
7 20	20 39.26	−52 17.2	1.659	2.574	12.3	17.9
7 30	20 28.50	−53 57.2	1.680	2.575	13.2	18.0
8 9	20 17.72	−54 58.9	1.723	2.577	14.9	18.1
8 19	20 8.66	−55 22.5	1.784	2.581	16.7	18.2
8 29	20 2.76	−55 12.9	1.862	2.585	18.5	18.4
387091 2012 TS_{110}			7 28.2	140°.34	5°.6/31.5 17	
6 20	20 55.92	− 3 15.0	2.058	2.839	15.5	21.4
6 30	20 51.59	− 2 44.4	1.977	2.844	12.9	21.2
7 10	20 45.28	− 2 28.9	1.917	2.849	10.0	21.0
7 20	20 37.49	− 2 29.3	1.880	2.853	7.2	20.9
7 30	20 28.96	− 2 45.4	1.868	2.858	5.6	20.8
8 9	20 20.56	− 3 14.8	1.883	2.862	6.5	20.9
8 19	20 13.15	− 3 53.9	1.924	2.866	9.0	21.0
8 29	20 7.45	− 4 38.3	1.989	2.870	11.9	21.2
34528 2000 SW_{211}			7 28.2	206°.02	0°.3/27.9 18	
6 20	20 53.63	−16 36.8	2.325	3.152	12.5	19.3
6 30	20 49.76	−17 18.8	2.239	3.150	9.8	19.1
7 10	20 44.05	−18 9.6	2.177	3.148	6.5	18.9
7 20	20 36.94	−19 6.0	2.139	3.147	3.0	18.6
7 30	20 29.09	−20 3.9	2.130	3.145	0.8	18.5
8 9	20 21.30	−20 59.0	2.149	3.143	4.5	18.7
8 19	20 14.36	−21 47.9	2.196	3.141	7.9	19.0
8 29	20 8.97	−22 28.2	2.267	3.138	11.0	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478947 2012 XS_{45}			7 28.2	205°.95	4°.1/30.8 17	
	h m	° ′			°	m
6 20	20 55.37	− 6 1.1	2.259	3.047	14.0	22.0
6 30	20 51.07	− 5 45.8	2.168	3.044	11.5	21.8
7 10	20 44.91	− 5 43.4	2.097	3.040	8.7	21.6
7 20	20 37.34	− 5 53.9	2.051	3.036	5.8	21.4
7 30	20 29.01	− 6 16.3	2.032	3.031	4.1	21.3
8 9	20 20.74	− 6 48.1	2.040	3.026	5.4	21.4
8 19	20 13.32	− 7 26.2	2.075	3.021	8.2	21.6
8 29	20 7.46	− 8 6.9	2.135	3.015	11.2	21.7
180166 2003 HN_{10}			7 28.2	346°.78	12°.2/ 7.1 18	
6 20	20 48.46	+13 46.5	1.847	2.553	19.4	19.1
6 30	20 46.23	+14 38.6	1.763	2.545	17.6	19.0
7 10	20 41.96	+15 3.9	1.694	2.537	15.7	18.8
7 20	20 36.07	+14 57.6	1.643	2.531	13.9	18.7
7 30	20 29.30	+14 17.2	1.611	2.525	12.6	18.6
8 9	20 22.56	+13 4.0	1.601	2.520	12.2	18.6
8 19	20 16.75	+11 22.9	1.613	2.515	13.0	18.6
8 29	20 12.71	+ 9 22.0	1.646	2.512	14.7	18.7
116783 2004 EW_{31}			7 28.2	122°.07	1°.3/28.9 18	
6 20	20 59.70	−13 57.6	1.823	2.645	15.6	20.6
6 30	20 54.73	−14 5.9	1.753	2.659	12.3	20.4
7 10	20 47.48	−14 24.9	1.705	2.672	8.4	20.2
7 20	20 38.52	−14 52.1	1.681	2.685	4.2	20.0
7 30	20 28.78	−15 24.1	1.683	2.697	1.4	19.8
8 9	20 19.33	−15 56.8	1.713	2.709	5.1	20.1
8 19	20 11.15	−16 27.0	1.770	2.720	9.1	20.3
8 29	20 5.03	−16 52.3	1.850	2.731	12.6	20.6
371461 2006 SR_{364}			7 28.2	278°.02	5°.4/25.4 18	
6 20	21 0.41	−28 40.5	1.600	2.453	16.0	21.3
6 30	20 56.40	−29 34.8	1.510	2.434	12.7	21.1
7 10	20 49.32	−30 32.1	1.442	2.414	9.1	20.8
7 20	20 39.66	−31 25.2	1.396	2.394	6.0	20.6
7 30	20 28.48	−32 5.7	1.375	2.374	5.8	20.5
8 9	20 17.27	−32 27.5	1.380	2.354	9.0	20.7
8 19	20 7.50	−32 28.3	1.408	2.333	13.0	20.8
8 29	20 0.43	−32 9.4	1.457	2.313	16.8	21.0
322681 1999 VE_{42}			7 28.2	190°.89	4°.5/25.9 17	
6 20	21 2.07	−27 48.4	1.647	2.495	15.9	21.1
6 30	20 57.26	−28 32.7	1.574	2.495	12.5	20.9
7 10	20 49.56	−29 18.5	1.522	2.494	8.7	20.7
7 20	20 39.61	−29 59.3	1.493	2.493	5.3	20.5
7 30	20 28.53	−30 28.2	1.490	2.492	4.9	20.5
8 9	20 17.71	−30 40.8	1.513	2.491	8.0	20.6
8 19	20 8.46	−30 35.9	1.561	2.489	11.8	20.9
8 29	20 1.82	−30 15.0	1.630	2.487	15.3	21.1
309669 2008 EE_{41}			7 28.2	184°.27	1°.5/29.2 18	
6 20	20 54.93	−13 25.4	2.446	3.258	12.4	21.5
6 30	20 50.57	−13 26.1	2.359	3.258	9.8	21.4
7 10	20 44.49	−13 34.9	2.295	3.258	6.8	21.2
7 20	20 37.12	−13 50.4	2.255	3.257	3.6	21.0
7 30	20 29.10	−14 10.5	2.244	3.257	1.5	20.8
8 9	20 21.19	−14 32.8	2.261	3.256	4.1	21.0
8 19	20 14.10	−14 54.9	2.306	3.255	7.3	21.2
8 29	20 8.49	−15 14.7	2.376	3.254	10.3	21.4
347950 2003 OM_{26}			7 28.2	302°.88	0°.8/28.5 18	
6 20	20 57.06	−17 0.5	1.681	2.521	16.0	20.8
6 30	20 53.20	−16 49.4	1.591	2.508	12.6	20.6
7 10	20 46.80	−16 46.0	1.521	2.494	8.7	20.3
7 20	20 38.36	−16 48.5	1.474	2.481	4.2	20.0
7 30	20 28.80	−16 54.0	1.453	2.467	1.1	19.7
8 9	20 19.30	−16 59.8	1.458	2.455	5.6	20.0
8 19	20 11.02	−17 3.3	1.488	2.442	10.1	20.3
8 29	20 4.94	−17 2.9	1.540	2.430	14.2	20.5
269966 2000 SL_{297}			7 28.2	331°.39	3°.9/26.8 18	
6 20	21 0.37	−27 41.1	1.481	2.339	16.8	19.8
6 30	20 56.22	−27 52.0	1.404	2.331	13.3	19.5
7 10	20 49.01	−28 2.7	1.347	2.323	9.2	19.3
7 20	20 39.40	−28 7.6	1.313	2.316	5.2	19.0
7 30	20 28.58	−28 1.2	1.303	2.310	4.3	19.0
8 9	20 18.06	−27 40.6	1.317	2.303	7.8	19.2
8 19	20 9.23	−27 5.6	1.356	2.298	12.1	19.4
8 29	20 3.17	−26 18.6	1.416	2.293	16.0	19.6
285687 2000 SM_{163}			7 28.2	285°.62	0°.3/28.1 18	
6 20	20 57.72	−18 41.8	1.749	2.589	15.4	21.5
6 30	20 53.78	−18 47.8	1.651	2.568	12.2	21.3
7 10	20 47.25	−19 1.2	1.573	2.547	8.3	21.0
7 20	20 38.62	−19 19.4	1.518	2.526	3.8	20.7
7 30	20 28.75	−19 38.6	1.490	2.504	1.0	20.4
8 9	20 18.81	−19 54.9	1.488	2.483	5.8	20.7
8 19	20 10.00	−20 5.5	1.511	2.461	10.3	20.9
8 29	20 3.38	−20 8.8	1.557	2.440	14.4	21.1

325837 2010 SC_{39} 7 28.2 257°.55 2°.0/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.87	−21 33.6	1.595	2.443	16.3	21.3
6 30	20 55.70	−22 1.6	1.508	2.430	12.8	21.1
7 10	20 48.67	−22 37.0	1.440	2.417	8.7	20.8
7 20	20 39.30	−23 14.9	1.396	2.403	4.2	20.5
7 30	20 28.60	−23 49.6	1.377	2.389	2.4	20.4
8 9	20 17.93	−24 15.7	1.384	2.375	6.8	20.6
8 19	20 8.62	−24 30.1	1.416	2.361	11.4	20.8
8 29	20 1.81	−24 32.1	1.470	2.346	15.5	21.0

147404 2003 FS_{43} 7 28.2 67°.45 1°.5/27.3 18

6 20	20 55.78	−21 41.6	2.114	2.952	13.2	20.3
6 30	20 51.54	−22 7.0	2.041	2.959	10.2	20.2
7 10	20 45.28	−22 36.9	1.990	2.965	6.8	20.0
7 20	20 37.52	−23 7.6	1.965	2.972	3.2	19.8
7 30	20 29.04	−23 35.4	1.966	2.979	1.9	19.7
8 9	20 20.77	−23 56.9	1.995	2.985	5.1	19.9
8 19	20 13.58	−24 10.2	2.051	2.992	8.6	20.1
8 29	20 8.18	−24 14.5	2.130	2.999	11.7	20.3

448429 2009 UK_{105} 7 28.2 278°.22 1°.9/29.6 17

6 20	20 52.36	−11 29.4	2.587	3.395	11.9	22.3
6 30	20 48.60	−11 30.8	2.487	3.382	9.5	22.2
7 10	20 43.20	−11 41.2	2.409	3.369	6.8	22.0
7 20	20 36.56	−11 59.7	2.356	3.355	3.8	21.7
7 30	20 29.24	−12 24.5	2.331	3.342	2.0	21.6
8 9	20 21.93	−12 53.0	2.334	3.328	4.1	21.7
8 19	20 15.32	−13 22.9	2.365	3.315	7.1	21.9
8 29	20 10.03	−13 51.6	2.420	3.301	10.0	22.1

471634 2012 TV_{55} 7 28.2 327°.87 3°.3/26.7 16

6 20	20 52.66	−23 39.9	1.311	2.186	17.6	21.3
6 30	20 50.73	−24 12.8	1.225	2.162	13.9	21.0
7 10	20 45.71	−24 53.2	1.157	2.140	9.5	20.7
7 20	20 38.07	−25 35.2	1.111	2.118	5.0	20.4
7 30	20 28.88	−26 11.6	1.087	2.097	3.8	20.2
8 9	20 19.64	−26 35.9	1.087	2.078	8.2	20.4
8 19	20 11.89	−26 44.2	1.108	2.059	13.2	20.7
8 29	20 6.96	−26 35.9	1.150	2.042	17.7	20.9

151449 2002 GY_{77} 7 28.2 159°.17 1°.1/28.9 18

6 20	20 54.58	−14 28.1	2.567	3.380	11.9	20.4
6 30	20 50.21	−14 32.9	2.483	3.384	9.3	20.2
7 10	20 44.20	−14 45.0	2.421	3.386	6.4	20.1
7 20	20 36.99	−15 2.8	2.386	3.389	3.2	19.9
7 30	20 29.17	−15 24.0	2.378	3.392	1.1	19.7
8 9	20 21.49	−15 46.3	2.399	3.394	3.9	19.9
8 19	20 14.60	−16 7.4	2.448	3.396	7.0	20.1
8 29	20 9.12	−16 25.6	2.522	3.398	9.8	20.3

424100 2007 EO_{19} 7 28.2 186°.71 0°.4/27.9 17

6 20	20 59.49	−18 32.0	1.976	2.805	14.3	22.5
6 30	20 54.62	−18 50.9	1.893	2.805	11.2	22.3
7 10	20 47.48	−19 17.0	1.832	2.804	7.5	22.1
7 20	20 38.59	−19 47.1	1.796	2.803	3.4	21.8
7 30	20 28.81	−20 17.2	1.787	2.802	1.0	21.7
8 9	20 19.18	−20 43.5	1.806	2.799	5.2	21.9
8 19	20 10.68	−21 3.4	1.852	2.797	9.1	22.2
8 29	20 4.15	−21 15.5	1.921	2.794	12.6	22.4

117571 2005 EQ_{33} 7 28.2 80°.21 3°.0/30.3 18

6 20	20 54.98	− 8 6.9	1.935	2.743	15.4	19.6
6 30	20 50.93	− 8 20.0	1.867	2.759	12.3	19.4
7 10	20 44.87	− 8 48.0	1.820	2.775	8.9	19.2
7 20	20 37.33	− 9 29.1	1.796	2.791	5.3	19.0
7 30	20 29.11	−10 20.3	1.799	2.807	3.0	18.9
8 9	20 21.13	−11 17.1	1.829	2.823	5.0	19.1
8 19	20 14.23	−12 14.8	1.886	2.839	8.4	19.3
8 29	20 9.13	−13 9.4	1.967	2.855	11.7	19.6

482382 2012 AQ_{3} 7 28.2 250°.24 2°.4/26.2 18

6 20	20 53.95	−21 55.9	2.335	3.172	12.2	20.7
6 30	20 50.15	−23 5.2	2.251	3.168	9.4	20.5
7 10	20 44.42	−24 21.2	2.190	3.164	6.3	20.3
7 20	20 37.19	−25 39.1	2.155	3.160	3.3	20.1
7 30	20 29.15	−26 53.3	2.149	3.156	2.8	20.0
8 9	20 21.12	−27 59.0	2.171	3.152	5.6	20.2
8 19	20 13.94	−28 52.5	2.220	3.148	8.7	20.4
8 29	20 8.37	−29 32.3	2.293	3.144	11.6	20.6

310627 2002 AS_{173} 7 28.2 230°.35 0°.5/27.8 18

6 20	20 54.03	−17 19.4	2.503	3.326	11.9	21.1
6 30	20 50.01	−18 3.1	2.409	3.318	9.2	20.9
7 10	20 44.23	−18 54.9	2.338	3.310	6.2	20.7
7 20	20 37.08	−19 51.8	2.294	3.301	2.8	20.5
7 30	20 29.17	−20 49.8	2.278	3.292	0.9	20.3
8 9	20 21.27	−21 44.8	2.291	3.283	4.4	20.6
8 19	20 14.13	−22 33.4	2.332	3.274	7.7	20.8
8 29	20 8.43	−23 13.6	2.398	3.264	10.6	20.9

74247 1998 SR_{64} 7 28.2 316°.25 1°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.86	−11 38.1	1.859	2.684	15.3	19.5
6 30	20 50.37	−11 56.2	1.775	2.681	12.2	19.3
7 10	20 44.71	−12 27.7	1.712	2.678	8.5	19.1
7 20	20 37.36	−13 10.8	1.673	2.675	4.5	18.8
7 30	20 29.11	−14 1.8	1.660	2.672	1.9	18.7
8 9	20 20.95	−14 56.1	1.673	2.670	5.0	18.9
8 19	20 13.83	−15 49.1	1.713	2.667	9.0	19.1
8 29	20 8.58	−16 36.9	1.776	2.665	12.6	19.3

315257 2007 TO_{14} 7 28.2 217°.43 5°.8/25.5 17

6 20	21 2.16	−29 4.1	1.458	2.315	17.1	21.5
6 30	20 57.81	−30 2.8	1.388	2.313	13.5	21.3
7 10	20 50.21	−31 3.2	1.338	2.311	9.7	21.1
7 20	20 40.03	−31 56.9	1.311	2.308	6.4	20.9
7 30	20 28.52	−32 35.5	1.308	2.306	6.2	20.9
8 9	20 17.28	−32 53.2	1.330	2.303	9.3	21.1
8 19	20 7.82	−32 48.9	1.376	2.301	13.3	21.3
8 29	20 1.30	−32 25.0	1.441	2.298	16.9	21.5

24710 1991 PX_{14} 7 28.2 340°.04 3°.9/29.6 18

6 20	20 54.28	−12 16.0	1.212	2.068	19.9	17.8
6 30	20 51.81	−11 35.7	1.136	2.058	16.1	17.5
7 10	20 46.28	−11 8.7	1.078	2.049	11.6	17.2
7 20	20 38.27	−10 55.5	1.040	2.041	6.8	16.9
7 30	20 28.90	−10 55.3	1.023	2.034	3.9	16.8
8 9	20 19.67	−11 5.0	1.030	2.028	7.2	16.9
8 19	20 12.02	−11 20.8	1.059	2.022	12.2	17.2
8 29	20 7.13	−11 38.4	1.108	2.018	16.8	17.4

439409 2013 CL_{20} 7 28.2 300°.25 0°.2/28.3 18

6 20	20 56.13	−17 47.6	1.960	2.794	14.2	21.0
6 30	20 52.07	−17 47.9	1.872	2.786	11.2	20.8
7 10	20 45.81	−17 54.9	1.805	2.778	7.6	20.5
7 20	20 37.86	−18 6.4	1.763	2.770	3.5	20.3
7 30	20 29.02	−18 19.6	1.747	2.762	0.8	20.0
8 9	20 20.28	−18 31.5	1.759	2.754	5.0	20.3
8 19	20 12.60	−18 39.8	1.796	2.747	9.0	20.6
8 29	20 6.81	−18 43.1	1.857	2.739	12.5	20.8

442569 2012 BN_{22} 7 28.2 271°.56 2°.7/29.8 18

6 20	20 54.72	−10 40.3	2.329	3.135	13.2	21.2
6 30	20 50.61	−10 24.0	2.231	3.123	10.6	21.0
7 10	20 44.66	−10 17.0	2.153	3.110	7.6	20.8
7 20	20 37.29	−10 18.9	2.101	3.097	4.6	20.6
7 30	20 29.15	−10 28.5	2.076	3.084	2.7	20.4
8 9	20 21.03	−10 43.8	2.079	3.071	4.7	20.5
8 19	20 13.71	−11 2.4	2.108	3.058	7.9	20.7
8 29	20 7.90	−11 21.9	2.163	3.045	11.0	20.9

277484 2005 WO_{51} 7 28.2 148°.89 0°.9/27.7 17

6 20	20 58.60	−19 26.1	1.904	2.739	14.6	21.7
6 30	20 53.98	−19 52.1	1.829	2.744	11.3	21.5
7 10	20 47.07	−20 25.0	1.775	2.749	7.6	21.3
7 20	20 38.42	−21 1.2	1.746	2.753	3.5	21.0
7 30	20 28.91	−21 36.2	1.743	2.757	1.4	20.9
8 9	20 19.61	−22 5.9	1.768	2.761	5.4	21.2
8 19	20 11.51	−22 27.7	1.820	2.764	9.3	21.4
8 29	20 5.43	−22 40.3	1.895	2.768	12.7	21.7

241462 2008 YH_{157} 7 28.2 79°.72 0°.6/28.6 17

6 20	20 54.77	−14 47.1	1.934	2.764	14.6	20.7
6 30	20 50.99	−15 12.9	1.854	2.765	11.4	20.5
7 10	20 45.07	−15 49.6	1.795	2.766	7.8	20.2
7 20	20 37.51	−16 34.3	1.760	2.766	3.7	20.0
7 30	20 29.11	−17 22.9	1.753	2.767	0.9	19.8
8 9	20 20.84	−18 10.9	1.772	2.768	4.9	20.1
8 19	20 13.62	−18 54.5	1.818	2.769	8.8	20.3
8 29	20 8.25	−19 30.7	1.888	2.770	12.3	20.5

168846 2000 UQ_{34} 7 28.2 232°.29 0°.8/27.8 17

6 20	21 0.93	−19 4.8	1.806	2.639	15.3	21.5
6 30	20 56.17	−19 26.8	1.713	2.627	12.1	21.3
7 10	20 48.81	−19 56.9	1.641	2.614	8.1	21.0
7 20	20 39.35	−20 31.4	1.593	2.601	3.8	20.7
7 30	20 28.70	−21 5.7	1.573	2.587	1.3	20.5
8 9	20 18.04	−21 35.2	1.579	2.572	5.8	20.8
8 19	20 8.56	−21 56.7	1.611	2.556	10.2	21.0
8 29	20 1.29	−22 8.6	1.667	2.540	14.2	21.2

321963 2010 UH_{17} 7 28.2 314°.89 4°.4/25.0 18

6 20	20 54.95	−28 53.2	2.157	3.004	12.7	20.3
6 30	20 51.19	−29 51.7	2.077	2.996	10.0	20.1
7 10	20 45.26	−30 51.7	2.019	2.989	7.1	19.9
7 20	20 37.64	−31 47.6	1.986	2.982	4.8	19.8
7 30	20 29.11	−32 33.8	1.980	2.974	4.8	19.8
8 9	20 20.66	−33 6.0	2.000	2.968	7.1	19.9
8 19	20 13.26	−33 22.4	2.046	2.961	10.1	20.1
8 29	20 7.72	−33 23.0	2.114	2.955	12.9	20.2

240612 2004 XN_{25} 7 28.2 273°.37 1°.6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.12	−20 51.2	1.899	2.740	14.4	20.8
6 30	20 53.15	−21 22.3	1.803	2.722	11.3	20.6
7 10	20 46.76	−22 0.5	1.728	2.704	7.6	20.3
7 20	20 38.41	−22 41.9	1.678	2.685	3.6	20.0
7 30	20 28.94	−23 21.6	1.654	2.667	2.0	19.9
8 9	20 19.42	−23 55.0	1.657	2.648	5.9	20.1
8 19	20 10.94	−24 18.6	1.686	2.629	10.0	20.3
8 29	20 4.50	−24 31.2	1.738	2.610	13.7	20.5

399908 2005 XL_{25} 7 28.2 315°.61 0°.7/27.8 17

6 20	20 53.83	−19 24.9	1.896	2.740	14.3	20.9
6 30	20 50.52	−19 40.7	1.801	2.721	11.2	20.6
7 10	20 44.94	−20 3.6	1.726	2.702	7.6	20.4
7 20	20 37.55	−20 30.7	1.676	2.684	3.5	20.1
7 30	20 29.13	−20 58.0	1.652	2.666	1.2	19.9
8 9	20 20.71	−21 21.8	1.654	2.649	5.4	20.1
8 19	20 13.30	−21 39.0	1.682	2.632	9.5	20.4
8 29	20 7.82	−21 48.0	1.733	2.615	13.3	20.6

388649 2007 TK_{235} 7 28.2 263°.95 2°.7/26.6 18

6 20	20 57.05	−24 7.6	1.970	2.814	13.8	21.4
6 30	20 52.91	−24 45.6	1.887	2.807	10.8	21.2
7 10	20 46.46	−25 27.9	1.826	2.801	7.3	21.0
7 20	20 38.21	−26 9.6	1.789	2.794	3.9	20.8
7 30	20 29.00	−26 45.7	1.779	2.787	3.1	20.7
8 9	20 19.90	−27 12.0	1.796	2.781	6.2	20.9
8 19	20 11.93	−27 26.2	1.839	2.774	9.8	21.1
8 29	20 5.96	−27 27.9	1.905	2.767	13.1	21.3

482957 2014 KR_{43} 7 28.2 331°.59 3°.6/30.8 18

6 20	20 51.21	− 6 23.6	1.985	2.792	15.1	21.1
6 30	20 48.20	− 6 36.7	1.896	2.786	12.3	20.9
7 10	20 43.21	− 7 6.2	1.827	2.779	9.1	20.6
7 20	20 36.69	− 7 51.3	1.782	2.773	5.7	20.4
7 30	20 29.34	− 8 49.7	1.762	2.768	3.6	20.3
8 9	20 22.03	− 9 56.7	1.769	2.762	5.3	20.4
8 19	20 15.61	−11 7.4	1.802	2.757	8.6	20.6
8 29	20 10.86	−12 16.6	1.860	2.753	12.0	20.8

439369 2013 AP_{8} 7 28.2 248°.66 1°.4/27.4 18

6 20	20 57.34	−21 55.1	2.072	2.908	13.5	21.2
6 30	20 52.90	−22 11.2	1.989	2.905	10.5	21.0
7 10	20 46.32	−22 31.6	1.928	2.903	7.0	20.8
7 20	20 38.10	−22 52.7	1.893	2.900	3.3	20.5
7 30	20 29.06	−23 10.9	1.884	2.897	1.8	20.4
8 9	20 20.17	−23 23.1	1.903	2.894	5.3	20.6
8 19	20 12.37	−23 27.5	1.948	2.891	8.9	20.9
8 29	20 6.45	−23 23.5	2.018	2.888	12.2	21.1

187986 2001 RC_{39} 7 28.2 20°.17 5°.5/30.8 17

6 20	20 54.50	− 7 7.5	1.324	2.157	19.8	19.8
6 30	20 51.53	− 6 33.0	1.258	2.162	16.2	19.5
7 10	20 45.82	− 6 17.1	1.209	2.166	12.1	19.3
7 20	20 37.98	− 6 20.9	1.181	2.172	8.0	19.1
7 30	20 29.09	− 6 42.9	1.175	2.178	5.6	19.0
8 9	20 20.46	− 7 19.3	1.193	2.185	7.4	19.1
8 19	20 13.33	− 8 4.5	1.234	2.193	11.3	19.4
8 29	20 8.68	− 8 52.3	1.296	2.201	15.3	19.6

360096 2013 BF_{63} 7 28.2 57°.05 0°.1/28.3 18

6 20	20 54.26	−16 36.6	2.058	2.890	13.7	20.8
6 30	20 50.40	−17 1.2	1.986	2.899	10.7	20.6
7 10	20 44.56	−17 34.3	1.936	2.908	7.2	20.4
7 20	20 37.26	−18 12.9	1.911	2.918	3.3	20.2
7 30	20 29.27	−18 53.1	1.912	2.927	0.7	20.0
8 9	20 21.46	−19 31.1	1.941	2.937	4.6	20.3
8 19	20 14.69	−20 3.8	1.997	2.946	8.3	20.5
8 29	20 9.66	−20 29.3	2.077	2.956	11.5	20.7

120061 2003 CO_{1} 7 28.2 52°.40 0°.8/24.5 11 C

6 20	20 37.49	−33 22.6	18.090	18.913	1.8	21.8
6 30	20 35.96	−33 33.6	18.029	18.932	1.5	21.8
7 10	20 34.21	−33 43.8	17.995	18.951	1.1	21.7
7 20	20 32.32	−33 53.1	17.988	18.971	0.8	21.7
7 30	20 30.36	−34 1.0	18.010	18.990	0.8	21.7
8 9	20 28.42	−34 7.4	18.060	19.009	1.1	21.7
8 19	20 26.58	−34 11.9	18.138	19.028	1.5	21.8
8 29	20 24.91	−34 14.5	18.242	19.047	1.9	21.8

47631 2000 CY_{17} 7 28.2 109°.74 0°.8/28.7 18

6 20	20 55.75	−15 15.2	1.937	2.766	14.6	19.6
6 30	20 51.74	−15 28.3	1.857	2.767	11.5	19.4
7 10	20 45.57	−15 50.9	1.798	2.769	7.8	19.1
7 20	20 37.78	−16 20.7	1.764	2.770	3.8	18.9
7 30	20 29.16	−16 54.3	1.757	2.771	0.9	18.7
8 9	20 20.68	−17 27.8	1.776	2.772	4.9	19.0
8 19	20 13.28	−17 58.0	1.822	2.774	8.8	19.2
8 29	20 7.75	−18 22.4	1.891	2.775	12.3	19.4

91296 1999 FW_{29} 7 28.2 196°.41 1°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.16	−19 43.3	1.657	2.498	16.1	18.9
6 30	20 55.73	−20 29.7	1.578	2.497	12.6	18.6
7 10	20 48.58	−21 25.8	1.519	2.495	8.4	18.4
7 20	20 39.28	−22 26.4	1.484	2.492	4.0	18.1
7 30	20 28.82	−23 24.8	1.476	2.489	2.2	18.0
8 9	20 18.46	−24 15.1	1.494	2.485	6.4	18.2
8 19	20 9.44	−24 53.1	1.538	2.480	10.8	18.5
8 29	20 2.80	−25 17.3	1.604	2.476	14.7	18.7

512680 2016 TP_{87} 7 28.2 257°.71 0°.1/28.2 18

6 20	20 56.81	−18 25.5	2.077	2.908	13.7	21.5
6 30	20 52.48	−18 30.8	1.990	2.902	10.7	21.3
7 10	20 46.04	−18 42.2	1.925	2.897	7.2	21.1
7 20	20 37.99	−18 57.4	1.885	2.892	3.3	20.8
7 30	20 29.11	−19 13.3	1.872	2.887	0.8	20.6
8 9	20 20.35	−19 27.0	1.887	2.881	4.8	20.9
8 19	20 12.61	−19 36.3	1.928	2.876	8.6	21.1
8 29	20 6.69	−19 40.0	1.993	2.871	12.0	21.3

340946 2007 EO_{56} 7 28.2 48°.82 3°.2/30.1 16

6 20	20 54.59	− 8 39.2	1.470	2.300	18.3	21.2
6 30	20 51.27	− 8 55.7	1.409	2.315	14.7	21.0
7 10	20 45.45	− 9 30.9	1.367	2.330	10.5	20.8
7 20	20 37.75	−10 22.6	1.347	2.346	6.0	20.6
7 30	20 29.18	−11 26.4	1.352	2.362	3.2	20.4
8 9	20 20.93	−12 35.7	1.381	2.378	5.8	20.6
8 19	20 14.08	−13 44.1	1.436	2.395	10.0	20.9
8 29	20 9.49	−14 46.5	1.513	2.412	13.8	21.2

358450 2007 EN_{54} 7 28.2 123°.04 3°.3/26.2 18

6 20	20 58.06	−28 17.8	2.365	3.200	12.1	21.0
6 30	20 53.21	−28 43.8	2.289	3.203	9.4	20.9
7 10	20 46.38	−29 9.3	2.236	3.206	6.6	20.7
7 20	20 38.09	−29 30.5	2.210	3.209	4.0	20.5
7 30	20 29.11	−29 43.4	2.210	3.212	3.6	20.5
8 9	20 20.35	−29 45.7	2.239	3.215	5.9	20.6
8 19	20 12.66	−29 36.6	2.293	3.217	8.7	20.8
8 29	20 6.72	−29 16.9	2.372	3.220	11.4	21.0

123878 2001 DQ_{31} 7 28.2 259°.32 0°.5/28.6 18

6 20	20 52.64	−14 24.6	2.417	3.238	12.3	20.0
6 30	20 48.97	−14 59.5	2.327	3.232	9.7	19.8
7 10	20 43.57	−15 44.1	2.258	3.227	6.6	19.6
7 20	20 36.83	−16 35.9	2.216	3.221	3.1	19.4
7 30	20 29.37	−17 31.4	2.201	3.216	0.7	19.2
8 9	20 21.95	−18 26.7	2.215	3.210	4.1	19.4
8 19	20 15.30	−19 18.0	2.256	3.205	7.5	19.6
8 29	20 10.09	−20 2.8	2.323	3.199	10.6	19.8

397710 2008 CT_{207} 7 28.2 152°.88 0°.2/28.1 18

6 20	20 55.41	−17 54.3	2.208	3.037	13.0	21.7
6 30	20 51.22	−18 10.2	2.127	3.038	10.2	21.5
7 10	20 45.10	−18 32.8	2.067	3.039	6.8	21.3
7 20	20 37.53	−18 59.5	2.033	3.040	3.1	21.1
7 30	20 29.23	−19 27.0	2.026	3.041	0.7	20.9
8 9	20 21.08	−19 52.2	2.047	3.042	4.5	21.2
8 19	20 13.88	−20 12.6	2.095	3.043	8.1	21.4
8 29	20 8.35	−20 26.7	2.168	3.043	11.2	21.6

83313 2001 RK_{115} 7 28.2 145°.09 1°.3/27.4 18

6 20	20 56.27	−20 50.4	2.086	2.922	13.4	19.6
6 30	20 52.05	−21 17.3	2.007	2.924	10.4	19.4
7 10	20 45.74	−21 49.7	1.950	2.925	7.0	19.2
7 20	20 37.85	−22 24.0	1.919	2.926	3.3	19.0
7 30	20 29.17	−22 56.2	1.914	2.927	1.7	18.9
8 9	20 20.65	−23 22.5	1.937	2.928	5.2	19.1
8 19	20 13.18	−23 40.7	1.986	2.929	8.8	19.3
8 29	20 7.53	−23 49.8	2.060	2.930	12.0	19.5

428241 2006 XF_{70} 7 28.2 191°.60 0°.3/28.4 17

6 20	20 58.67	−16 8.6	1.959	2.784	14.6	22.5
6 30	20 54.05	−16 30.9	1.875	2.783	11.5	22.3
7 10	20 47.18	−17 2.6	1.811	2.782	7.8	22.1
7 20	20 38.56	−17 40.9	1.773	2.780	3.6	21.8
7 30	20 29.02	−18 21.7	1.762	2.777	0.8	21.6
8 9	20 19.59	−19 0.7	1.779	2.774	5.0	21.9
8 19	20 11.24	−19 34.5	1.822	2.770	9.0	22.1
8 29	20 4.83	−20 1.0	1.890	2.766	12.6	22.3

24080 1999 TU_{247} 7 28.2 205°.12 4°.7/ 1.4 18

6 20	20 52.34	− 0 6.2	2.997	3.744	11.8	20.4
6 30	20 48.31	+ 0 3.1	2.899	3.740	10.0	20.2
7 10	20 42.91	− 0 0.4	2.822	3.735	7.9	20.1
7 20	20 36.48	− 0 17.3	2.769	3.729	6.0	19.9
7 30	20 29.49	− 0 46.8	2.744	3.723	4.8	19.9
8 9	20 22.52	− 1 27.3	2.746	3.717	5.2	19.9
8 19	20 16.15	− 2 15.9	2.776	3.710	7.0	20.0
8 29	20 10.88	− 3 9.3	2.832	3.703	9.1	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
469932 2006 AL_{46}			7 28.2 287°.13		1°.0/28.8 16	
	h m	° ′			°	m
6 20	20 55.62	−14 34.9	1.690	2.526	16.1	21.7
6 30	20 52.11	−14 48.2	1.602	2.516	12.7	21.5
7 10	20 46.13	−15 13.6	1.534	2.505	8.8	21.2
7 20	20 38.17	−15 48.6	1.489	2.495	4.3	20.9
7 30	20 29.10	−16 29.5	1.470	2.484	1.2	20.7
8 9	20 20.06	−17 11.4	1.477	2.474	5.5	21.0
8 19	20 12.17	−17 50.0	1.509	2.464	10.0	21.2
8 29	20 6.41	−18 22.1	1.564	2.453	14.0	21.4
445479 2010 VR_{135}			7 28.2 306°.53		1°.0/27.6 17	
6 20	20 53.87	−19 53.0	2.067	2.907	13.4	21.8
6 30	20 50.36	−20 18.0	1.972	2.891	10.5	21.5
7 10	20 44.75	−20 49.7	1.899	2.875	7.0	21.3
7 20	20 37.47	−21 25.0	1.851	2.859	3.3	21.0
7 30	20 29.27	−21 59.9	1.830	2.843	1.4	20.9
8 9	20 21.06	−22 30.4	1.835	2.828	5.2	21.1
8 19	20 13.80	−22 53.7	1.867	2.813	9.0	21.3
8 29	20 8.30	−23 8.1	1.922	2.798	12.4	21.5
67353 2000 JW_{82}			7 28.2 230°.79		6°.3/23.9 18	
6 20	20 59.40	−34 10.6	2.106	2.945	13.2	20.2
6 30	20 54.84	−35 18.1	2.032	2.942	10.6	20.1
7 10	20 47.82	−36 23.1	1.981	2.938	8.1	19.9
7 20	20 38.90	−37 18.9	1.954	2.934	6.4	19.8
7 30	20 28.97	−37 59.2	1.954	2.930	6.7	19.8
8 9	20 19.20	−38 20.1	1.980	2.926	8.6	19.9
8 19	20 10.67	−38 20.6	2.030	2.922	11.3	20.1
8 29	20 4.30	−38 2.6	2.102	2.918	13.8	20.2
238294 2003 WG_{158}			7 28.2 109°.52		3°.0/26.5 18	
6 20	20 58.62	−25 4.5	1.914	2.757	14.2	20.6
6 30	20 54.09	−25 40.2	1.842	2.762	11.0	20.4
7 10	20 47.22	−26 18.8	1.792	2.766	7.5	20.2
7 20	20 38.57	−26 55.2	1.767	2.771	4.1	20.0
7 30	20 29.06	−27 24.6	1.768	2.775	3.3	20.0
8 9	20 19.79	−27 43.1	1.796	2.779	6.3	20.2
8 19	20 11.78	−27 49.1	1.850	2.784	9.9	20.4
8 29	20 5.88	−27 42.8	1.927	2.788	13.1	20.6
504872 2010 VY_{38}			7 28.2 258°.81		0°.7/28.6 17	
6 20	20 57.79	−14 37.3	1.680	2.513	16.3	22.3
6 30	20 53.95	−14 59.9	1.584	2.497	12.9	22.0
7 10	20 47.49	−15 35.7	1.509	2.480	8.9	21.8
7 20	20 38.87	−16 22.0	1.457	2.463	4.3	21.5
7 30	20 28.96	−17 14.4	1.431	2.445	1.0	21.2
8 9	20 18.94	−18 7.2	1.431	2.427	5.7	21.5
8 19	20 10.05	−18 55.6	1.456	2.409	10.5	21.7
8 29	20 3.37	−19 35.7	1.505	2.390	14.7	21.9
287239 2002 TP_{49}			7 28.2 259°.72		4°.4/31.0 18	
6 20	20 54.27	− 5 16.0	2.204	2.993	14.3	21.0
6 30	20 50.43	− 5 3.1	2.104	2.979	11.9	20.8
7 10	20 44.67	− 5 3.9	2.024	2.965	9.0	20.6
7 20	20 37.41	− 5 19.0	1.968	2.951	6.1	20.4
7 30	20 29.29	− 5 47.4	1.939	2.937	4.4	20.3
8 9	20 21.15	− 6 26.5	1.936	2.923	5.6	20.3
8 19	20 13.80	− 7 12.8	1.960	2.908	8.5	20.5
8 29	20 8.02	− 8 2.2	2.009	2.893	11.6	20.6
447288 2005 WE_{18}			7 28.2 285°.91		3°.8/30.5 15	
6 20	20 53.94	− 7 48.6	2.265	3.063	13.7	21.7
6 30	20 50.08	− 7 26.5	2.168	3.052	11.2	21.5
7 10	20 44.38	− 7 15.5	2.092	3.040	8.3	21.3
7 20	20 37.25	− 7 15.8	2.040	3.029	5.4	21.1
7 30	20 29.34	− 7 26.7	2.015	3.017	3.8	21.0
8 9	20 21.45	− 7 46.1	2.017	3.006	5.2	21.0
8 19	20 14.36	− 8 11.4	2.046	2.994	8.2	21.2
8 29	20 8.80	− 8 39.7	2.099	2.983	11.2	21.4
256589 2007 TS_{429}			7 28.2 81°.12		5°.7/31.9 17	
6 20	20 54.15	− 2 23.3	2.008	2.791	15.7	20.9
6 30	20 50.35	− 1 59.7	1.928	2.794	13.2	20.7
7 10	20 44.59	− 1 52.5	1.867	2.798	10.3	20.5
7 20	20 37.34	− 2 2.8	1.828	2.801	7.4	20.4
7 30	20 29.33	− 2 29.7	1.815	2.805	5.8	20.3
8 9	20 21.44	− 3 10.6	1.828	2.808	6.6	20.4
8 19	20 14.51	− 4 1.3	1.867	2.812	9.1	20.5
8 29	20 9.28	− 4 57.0	1.930	2.816	12.0	20.7
180509 2004 DZ_{2}			7 28.2 30°.21		0°.1/28.3 18	
6 20	20 54.20	−15 48.7	1.194	2.059	19.6	19.4
6 30	20 51.61	−16 20.4	1.139	2.070	15.3	19.2
7 10	20 46.01	−17 7.1	1.102	2.082	10.3	19.0
7 20	20 38.12	−18 3.9	1.086	2.094	4.7	18.7
7 30	20 29.16	−19 3.8	1.093	2.108	1.0	18.5
8 9	20 20.62	−19 59.4	1.124	2.122	6.6	18.9
8 19	20 13.82	−20 45.1	1.178	2.137	11.6	19.2
8 29	20 9.75	−21 18.0	1.252	2.153	16.0	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
267653 2002 TW_{60}			7 28.2 292°.06		0°.9/27.8 17	
	h m	° ′			°	m
6 20	20 57.32	−19 9.5	1.510	2.362	16.9	21.2
6 30	20 53.98	−19 28.1	1.416	2.340	13.4	20.9
7 10	20 47.74	−19 56.4	1.340	2.318	9.1	20.6
7 20	20 39.07	−20 30.8	1.288	2.296	4.2	20.2
7 30	20 28.91	−21 6.1	1.260	2.274	1.5	20.0
8 9	20 18.64	−21 36.6	1.257	2.252	6.6	20.3
8 19	20 9.64	−21 58.4	1.278	2.231	11.7	20.5
8 29	20 3.15	−22 9.4	1.321	2.209	16.2	20.7
397713 2008 DF_{8}			7 28.2 162°.78		2°.6/30.2 18	
6 20	20 53.30	− 8 35.1	2.306	3.107	13.4	21.7
6 30	20 49.48	− 8 50.0	2.220	3.109	10.8	21.5
7 10	20 43.91	− 9 17.6	2.156	3.110	7.8	21.3
7 20	20 37.00	− 9 56.7	2.116	3.111	4.6	21.1
7 30	20 29.40	−10 44.6	2.104	3.112	2.6	21.0
8 9	20 21.89	−11 37.9	2.120	3.113	4.5	21.1
8 19	20 15.20	−12 32.5	2.162	3.114	7.6	21.3
8 29	20 10.01	−13 25.0	2.231	3.115	10.6	21.5
189560 2000 SW_{92}			7 28.2 7°.36		6°.0/30.6 18	
6 20	20 55.08	− 7 42.7	1.358	2.190	19.5	19.1
6 30	20 51.97	− 6 46.3	1.288	2.191	16.0	18.9
7 10	20 46.13	− 6 5.6	1.236	2.192	12.1	18.7
7 20	20 38.17	− 5 42.6	1.205	2.194	8.2	18.5
7 30	20 29.15	− 5 37.7	1.196	2.197	6.0	18.4
8 9	20 20.36	− 5 48.6	1.212	2.201	7.7	18.5
8 19	20 13.03	− 6 11.3	1.250	2.206	11.5	18.7
8 29	20 8.15	− 6 40.6	1.309	2.211	15.3	19.0
321690 2010 EG_{108}			7 28.2 31°.85		2°.3/27.1 16	
6 20	20 57.37	−22 57.8	1.718	2.567	15.3	20.6
6 30	20 53.35	−23 25.1	1.648	2.571	11.9	20.4
7 10	20 46.83	−23 57.2	1.598	2.575	8.0	20.1
7 20	20 38.42	−24 29.3	1.572	2.578	3.9	19.9
7 30	20 29.10	−24 56.4	1.572	2.583	2.6	19.8
8 9	20 20.04	−25 14.4	1.598	2.587	6.2	20.1
8 19	20 12.33	−25 21.5	1.649	2.592	10.2	20.3
8 29	20 6.84	−25 17.3	1.722	2.597	13.7	20.5
150274 1999 SS			7 28.2 281°.76		5°.1/ 1.1 18	
6 20	20 51.87	− 1 51.6	2.308	3.083	14.2	20.2
6 30	20 48.43	− 1 45.2	2.212	3.074	11.9	20.0
7 10	20 43.25	− 1 54.7	2.137	3.066	9.3	19.8
7 20	20 36.73	− 2 20.5	2.085	3.058	6.7	19.6
7 30	20 29.47	− 3 1.7	2.059	3.049	5.1	19.5
8 9	20 22.22	− 3 55.4	2.060	3.041	5.9	19.5
8 19	20 15.72	− 4 57.7	2.087	3.033	8.2	19.7
8 29	20 10.67	− 6 4.0	2.140	3.024	11.0	19.8
200006 2007 LG			7 28.2 343°.45		0°.9/28.7 16	
6 20	20 52.89	−14 51.9	1.439	2.292	17.5	19.9
6 30	20 50.34	−15 7.5	1.361	2.285	13.8	19.7
7 10	20 45.11	−15 36.9	1.303	2.279	9.5	19.4
7 20	20 37.76	−16 17.1	1.266	2.273	4.6	19.1
7 30	20 29.24	−17 3.6	1.253	2.268	1.1	18.8
8 9	20 20.85	−17 50.6	1.265	2.263	6.0	19.2
8 19	20 13.79	−18 32.9	1.301	2.260	10.8	19.4
8 29	20 9.10	−19 7.0	1.358	2.257	15.1	19.7
114411 2002 YQ_{24}			7 28.2 264°.02		1°.0/28.8 18	
6 20	20 58.39	−15 1.9	1.806	2.634	15.5	20.4
6 30	20 54.25	−15 8.3	1.705	2.614	12.4	20.2
7 10	20 47.61	−15 25.1	1.625	2.594	8.6	19.9
7 20	20 38.91	−15 50.4	1.568	2.573	4.2	19.6
7 30	20 28.98	−16 21.0	1.538	2.552	1.2	19.3
8 9	20 18.95	−16 52.7	1.535	2.531	5.5	19.6
8 19	20 9.96	−17 21.8	1.557	2.509	10.0	19.8
8 29	20 3.05	−17 45.6	1.603	2.487	14.1	20.0
314098 2005 EK_{35}			7 28.2 148°.39		3°.0/30.1 17	
6 20	20 59.59	− 8 37.4	1.954	2.754	15.5	21.2
6 30	20 54.60	− 8 47.9	1.878	2.765	12.5	21.0
7 10	20 47.45	− 9 12.7	1.822	2.776	9.0	20.8
7 20	20 38.67	− 9 50.4	1.790	2.785	5.3	20.6
7 30	20 29.09	−10 37.9	1.785	2.794	3.0	20.5
8 9	20 19.69	−11 30.9	1.808	2.802	5.2	20.7
8 19	20 11.40	−12 25.0	1.859	2.809	8.7	20.9
8 29	20 5.01	−13 16.3	1.934	2.815	12.1	21.1
438786 2008 WF_{67}			7 28.2 255°.14		2°.2/26.9 18	
6 20	20 57.05	−22 7.4	1.947	2.788	14.1	21.4
6 30	20 53.01	−22 49.9	1.859	2.778	11.0	21.2
7 10	20 46.62	−23 38.8	1.793	2.768	7.4	20.9
7 20	20 38.39	−24 29.5	1.752	2.758	3.7	20.7
7 30	20 29.13	−25 16.7	1.737	2.748	2.6	20.6
8 9	20 19.90	−25 55.4	1.750	2.737	6.0	20.8
8 19	20 11.75	−26 22.7	1.788	2.726	9.9	21.0
8 29	20 5.60	−26 37.3	1.850	2.715	13.3	21.2

118912 2000 VN_{16} 7 28.2 289°.53 3°.4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.27	− 8 20.1	2.182	2.987	14.0	20.3
6 30	20 49.72	− 8 12.9	2.079	2.968	11.4	20.1
7 10	20 44.25	− 8 18.1	1.997	2.950	8.4	19.8
7 20	20 37.25	− 8 35.3	1.939	2.931	5.3	19.6
7 30	20 29.37	− 9 3.3	1.907	2.913	3.4	19.5
8 9	20 21.45	− 9 39.4	1.902	2.894	5.1	19.5
8 19	20 14.30	−10 20.0	1.924	2.876	8.4	19.7
8 29	20 8.72	−11 1.6	1.970	2.857	11.7	19.9

506588 2005 WU_{89} 7 28.2 265°.76 1°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.19	−12 38.8	1.914	2.734	15.1	22.3
6 30	20 53.19	−12 50.7	1.809	2.712	12.1	22.1
7 10	20 46.84	−13 15.1	1.724	2.689	8.5	21.8
7 20	20 38.55	−13 50.4	1.663	2.666	4.5	21.5
7 30	20 29.08	−14 33.5	1.628	2.642	1.7	21.3
8 9	20 19.45	−15 20.2	1.621	2.617	5.3	21.5
8 19	20 10.74	−16 6.1	1.640	2.592	9.5	21.7
8 29	20 3.92	−16 47.6	1.683	2.567	13.5	21.9

144905 2004 XY_{27} 7 28.2 115°.67 1°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.50	−19 27.9	1.934	2.770	14.3	20.5
6 30	20 53.12	−20 0.8	1.862	2.778	11.1	20.3
7 10	20 46.52	−20 40.9	1.811	2.786	7.4	20.1
7 20	20 38.26	−21 24.1	1.786	2.793	3.4	19.8
7 30	20 29.18	−22 5.9	1.787	2.801	1.5	19.7
8 9	20 20.32	−22 41.8	1.816	2.808	5.3	20.0
8 19	20 12.63	−23 9.3	1.871	2.815	9.1	20.2
8 29	20 6.90	−23 26.8	1.950	2.822	12.5	20.4

2530 Shipka 7 28.2 322°.35 5°.5/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.72	− 3 5.2	1.977	2.769	15.6	16.6
6 30	20 48.64	− 2 45.8	1.885	2.759	13.1	16.4
7 10	20 43.57	− 2 42.9	1.813	2.749	10.2	16.2
7 20	20 36.94	− 2 57.5	1.763	2.740	7.3	16.1
7 30	20 29.46	− 3 29.1	1.738	2.731	5.6	15.9
8 9	20 21.99	− 4 14.7	1.739	2.722	6.5	16.0
8 19	20 15.40	− 5 10.1	1.765	2.714	9.2	16.1
8 29	20 10.49	− 6 10.4	1.814	2.706	12.3	16.3

386407 2008 UT_{237} 7 28.2 252°.08 1°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.33	−15 7.0	1.873	2.701	15.0	21.4
6 30	20 53.11	−15 3.8	1.788	2.697	11.9	21.1
7 10	20 46.61	−15 9.5	1.724	2.693	8.2	20.9
7 20	20 38.35	−15 22.5	1.683	2.688	4.1	20.6
7 30	20 29.16	−15 40.0	1.669	2.683	1.3	20.4
8 9	20 20.09	−15 58.8	1.682	2.678	5.1	20.7
8 19	20 12.14	−16 16.1	1.721	2.674	9.1	20.9
8 29	20 6.15	−16 29.8	1.784	2.669	12.8	21.1

112321 2002 MY_1 7 28.2 346°.06 1°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.50	−16 29.8	0.957	1.848	21.1	19.0
6 30	20 47.30	−16 15.6	0.887	1.833	16.8	18.7
7 10	20 43.73	−16 14.8	0.833	1.819	11.6	18.3
7 20	20 37.33	−16 25.8	0.797	1.807	5.7	17.9
7 30	20 29.35	−16 44.7	0.782	1.796	1.5	17.6
8 9	20 21.50	−17 5.9	0.786	1.789	7.4	18.0
8 19	20 15.46	−17 24.1	0.811	1.783	13.4	18.3
8 29	20 12.58	−17 35.3	0.852	1.779	18.7	18.6

505589 2014 CZ_4 7 28.2 108°.29 9°.0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.19	+13 54.8	2.775	3.422	14.6	22.0
6 30	20 52.02	+14 45.9	2.711	3.450	13.1	21.9
7 10	20 45.34	+15 17.9	2.665	3.476	11.6	21.8
7 20	20 37.59	+15 28.5	2.640	3.502	10.2	21.8
7 30	20 29.35	+15 16.8	2.639	3.527	9.2	21.8
8 9	20 21.31	+14 44.0	2.662	3.552	9.1	21.8
8 19	20 14.07	+13 53.2	2.709	3.575	9.7	21.9
8 29	20 8.19	+12 49.1	2.781	3.598	10.8	22.0

309025 2006 UQ_{133} 7 28.2 310°.41 4°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.56	− 6 27.6	2.049	2.849	14.9	21.4
6 30	20 49.94	− 6 14.1	1.962	2.845	12.2	21.2
7 10	20 44.36	− 6 14.5	1.894	2.842	9.1	21.0
7 20	20 37.28	− 6 29.0	1.851	2.838	6.0	20.8
7 30	20 29.40	− 6 56.2	1.833	2.834	4.2	20.7
8 9	20 21.59	− 7 33.3	1.841	2.831	5.6	20.7
8 19	20 14.70	− 8 16.5	1.876	2.827	8.6	20.9
8 29	20 9.47	− 9 1.7	1.935	2.824	11.8	21.1

257113 2008 GE_{74} 7 28.2 271°.84 1°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.78	−11 8.2	2.279	3.092	13.2	21.1
6 30	20 49.19	−11 29.8	2.188	3.087	10.5	20.9
7 10	20 43.79	−12 3.1	2.119	3.081	7.4	20.7
7 20	20 37.00	−12 46.4	2.075	3.076	4.0	20.5
7 30	20 29.47	−13 36.7	2.058	3.070	1.7	20.3
8 9	20 21.97	−14 30.2	2.069	3.065	4.3	20.5
8 19	20 15.28	−15 23.1	2.107	3.059	7.7	20.7
8 29	20 10.10	−16 12.0	2.170	3.053	10.9	20.9

295900 2008 WY_{85} 7 28.2 243°.89 2°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.21	−10 57.1	2.120	2.930	14.2	21.7
6 30	20 52.03	−10 54.3	2.023	2.919	11.4	21.5
7 10	20 45.80	−11 2.5	1.948	2.907	8.1	21.2
7 20	20 37.97	−11 20.8	1.897	2.895	4.6	21.0
7 30	20 29.26	−11 47.4	1.873	2.883	2.5	20.8
8 9	20 20.54	−12 19.0	1.877	2.871	4.9	21.0
8 19	20 12.72	−12 52.6	1.907	2.858	8.5	21.2
8 29	20 6.58	−13 24.9	1.962	2.845	11.9	21.4

236807 2007 RH_9 7 28.2 166°.73 1°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.49	−19 3.3	1.893	2.731	14.5	21.5
6 30	20 52.47	−19 36.2	1.814	2.732	11.3	21.3
7 10	20 46.18	−20 17.2	1.757	2.732	7.6	21.1
7 20	20 38.15	−21 2.3	1.725	2.733	3.5	20.8
7 30	20 29.23	−21 46.8	1.719	2.733	1.4	20.7
8 9	20 20.45	−22 26.0	1.740	2.733	5.4	20.9
8 19	20 12.79	−22 56.7	1.788	2.733	9.4	21.2
8 29	20 7.12	−23 17.4	1.858	2.734	12.8	21.4

346791 2009 BV_{149} 7 28.2 263°.65 2°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.89	− 9 26.8	2.172	2.978	14.0	21.9
6 30	20 51.06	− 9 43.9	2.066	2.958	11.3	21.6
7 10	20 45.22	−10 14.6	1.980	2.938	8.1	21.4
7 20	20 37.74	−10 57.9	1.919	2.917	4.7	21.1
7 30	20 29.30	−11 51.2	1.885	2.895	2.4	21.0
8 9	20 20.75	−12 50.4	1.879	2.874	4.8	21.1
8 19	20 12.97	−13 51.2	1.900	2.852	8.5	21.3
8 29	20 6.79	−14 49.3	1.946	2.830	12.0	21.4

199921 2007 GS_{29} 7 28.2 33°.80 8°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.56	+ 0 35.8	1.517	2.308	19.6	19.4
6 30	20 51.23	+ 1 33.9	1.451	2.316	16.8	19.2
7 10	20 45.47	+ 2 10.3	1.402	2.324	13.6	19.0
7 20	20 37.84	+ 2 21.8	1.372	2.333	10.6	18.9
7 30	20 29.30	+ 2 7.5	1.366	2.343	8.8	18.8
8 9	20 20.99	+ 1 30.2	1.382	2.353	9.3	18.9
8 19	20 13.98	+ 0 35.2	1.422	2.363	11.6	19.0
8 29	20 9.14	− 0 30.4	1.483	2.374	14.6	19.3

66936 1999 WD_5 7 28.3 253°.16 5°.5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.64	− 4 2.8	2.133	2.914	15.0	18.5
6 30	20 52.34	− 3 23.5	2.033	2.900	12.6	18.3
7 10	20 46.02	− 2 57.1	1.954	2.886	9.8	18.1
7 20	20 38.09	− 2 45.2	1.898	2.872	7.1	17.9
7 30	20 29.25	− 2 48.0	1.868	2.858	5.6	17.8
8 9	20 20.37	− 3 4.3	1.864	2.843	6.6	17.8
8 19	20 12.35	− 3 31.3	1.887	2.828	9.3	18.0
8 29	20 5.97	− 4 5.3	1.934	2.813	12.3	18.1

63346 2001 FU_{92} 7 28.3 28°.54 1°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.57	−18 27.7	1.322	2.183	18.2	18.5
6 30	20 52.64	−19 22.9	1.257	2.188	14.2	18.3
7 10	20 46.76	−20 31.3	1.212	2.192	9.5	18.0
7 20	20 38.56	−21 46.5	1.189	2.197	4.4	17.8
7 30	20 29.16	−23 0.4	1.190	2.203	2.3	17.6
8 9	20 20.02	−24 4.9	1.215	2.209	7.1	18.0
8 19	20 12.48	−24 54.7	1.264	2.215	11.9	18.3
8 29	20 7.62	−25 27.6	1.334	2.222	16.1	18.5

331555 2000 XA_2 7 28.3 178°.34 19°.4/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 7.23	+11 37.6	1.238	1.968	26.2	19.7
6 30	21 2.10	+14 56.4	1.175	1.970	24.1	19.5
7 10	20 53.44	+17 50.9	1.127	1.971	21.9	19.4
7 20	20 41.82	+20 8.2	1.096	1.971	20.3	19.3
7 30	20 28.43	+21 36.7	1.083	1.971	19.4	19.2
8 9	20 15.01	+22 11.6	1.089	1.970	19.7	19.2
8 19	20 3.29	+21 55.8	1.112	1.970	20.9	19.3
8 29	19 54.70	+20 59.0	1.151	1.968	22.7	19.5

68808 2002 GR_{50} 7 28.3 61°.22 7°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.56	+ 0 18.0	1.704	2.484	18.2	19.4
6 30	20 51.72	+ 1 3.3	1.636	2.496	15.4	19.2
7 10	20 45.64	+ 1 28.5	1.587	2.508	12.4	19.0
7 20	20 37.89	+ 1 31.4	1.558	2.520	9.5	18.9
7 30	20 29.33	+ 1 11.7	1.553	2.532	7.8	18.8
8 9	20 21.00	+ 0 32.5	1.573	2.544	8.3	18.9
8 19	20 13.86	− 0 21.3	1.617	2.557	10.6	19.1
8 29	20 8.72	− 1 23.5	1.684	2.570	13.4	19.3

412123 2013 GO_{35} 7 28.3 98°.23 3°.0/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.62	−23 35.3	1.355	2.209	18.3	21.5
6 30	20 58.78	−24 7.3	1.296	2.222	14.2	21.3
7 10	20 50.75	−24 44.5	1.256	2.234	9.6	21.1
7 20	20 40.33	−25 20.3	1.239	2.246	4.9	20.8
7 30	20 28.82	−25 48.0	1.247	2.257	3.4	20.8
8 9	20 17.81	−26 2.8	1.280	2.269	7.5	21.1
8 19	20 8.72	−26 3.1	1.336	2.280	12.0	21.3
8 29	20 2.55	−25 50.0	1.414	2.291	16.0	21.6

272362 2005 SY_{179} 7 28.3 305°.83 3°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.80	−23 34.4	1.442	2.304	17.0	20.6
6 30	20 53.81	−24 8.3	1.352	2.283	13.4	20.3
7 10	20 47.77	−24 49.2	1.282	2.261	9.2	20.0
7 20	20 39.16	−25 31.6	1.233	2.240	4.8	19.7
7 30	20 29.02	−26 8.5	1.209	2.219	3.6	19.6
8 9	20 18.79	−26 33.6	1.209	2.199	7.8	19.8
8 19	20 9.98	−26 43.5	1.232	2.178	12.6	20.0
8 29	20 3.86	−26 37.6	1.276	2.159	17.0	20.2

208030 1999 LS_{33} 7 28.3 12°.43 4°.3/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.63	−10 35.7	1.000	1.870	22.2	19.0
6 30	20 50.09	−10 9.6	0.944	1.873	17.9	18.8
7 10	20 45.29	−10 3.5	0.903	1.877	12.9	18.5
7 20	20 37.93	−10 17.4	0.881	1.883	7.6	18.2
7 30	20 29.33	−10 48.2	0.880	1.890	4.3	18.1
8 9	20 21.10	−11 29.8	0.900	1.899	7.5	18.3
8 19	20 14.74	−12 15.4	0.940	1.909	12.5	18.6
8 29	20 11.35	−12 58.5	1.000	1.921	17.2	18.9

477154 2009 DA_{91} 7 28.3 262°.00 0°.4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.96	−16 35.9	2.118	2.943	13.7	22.2
6 30	20 52.72	−16 44.8	2.018	2.926	10.8	21.9
7 10	20 46.34	−17 1.5	1.939	2.909	7.4	21.7
7 20	20 38.27	−17 24.0	1.886	2.892	3.5	21.4
7 30	20 29.24	−17 49.1	1.860	2.875	0.7	21.2
8 9	20 20.19	−18 13.7	1.861	2.857	4.8	21.4
8 19	20 12.04	−18 34.8	1.890	2.839	8.7	21.6
8 29	20 5.65	−18 50.5	1.942	2.820	12.2	21.8

103146 1999 XS_{210} 7 28.3 132°.78 4°.7/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.58	−31 8.2	2.189	3.022	13.0	20.2
6 30	20 56.17	−31 52.6	2.122	3.032	10.2	20.0
7 10	20 48.51	−32 35.1	2.078	3.042	7.4	19.8
7 20	20 39.18	−33 10.3	2.060	3.051	5.1	19.7
7 30	20 29.09	−33 33.2	2.069	3.060	5.0	19.7
8 9	20 19.29	−33 41.0	2.105	3.068	7.1	19.9
8 19	20 10.76	−33 33.2	2.167	3.076	9.8	20.1
8 29	20 4.27	−33 11.5	2.252	3.084	12.5	20.3

334262 2001 TF_{261} 7 28.3 232°.30 0°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.56	−14 22.0	2.020	2.841	14.4	22.0
6 30	20 53.26	−14 44.7	1.924	2.830	11.4	21.8
7 10	20 46.75	−15 18.3	1.850	2.818	7.8	21.5
7 20	20 38.48	−16 0.5	1.801	2.806	3.8	21.3
7 30	20 29.22	−16 47.6	1.779	2.794	1.0	21.0
8 9	20 19.93	−17 35.1	1.785	2.781	4.9	21.3
8 19	20 11.59	−18 19.0	1.817	2.767	9.0	21.5
8 29	20 5.09	−18 56.5	1.874	2.753	12.6	21.7

328183 2008 DN_{36} 7 28.3 94°.53 0°.9/28.7 12 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.69	−14 49.8	1.657	2.486	16.6	22.0
6 30	20 55.73	−15 5.9	1.598	2.507	13.0	21.8
7 10	20 48.31	−15 33.1	1.558	2.528	8.8	21.6
7 20	20 39.10	−16 8.1	1.543	2.549	4.3	21.4
7 30	20 29.12	−16 46.5	1.554	2.569	1.1	21.2
8 9	20 19.54	−17 23.8	1.592	2.588	5.3	21.5
8 19	20 11.40	−17 56.5	1.655	2.607	9.5	21.8
8 29	20 5.52	−18 22.1	1.743	2.626	13.1	22.1

74038 1998 HE_{74} 7 28.3 29°.43 0°.1/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.02	−16 29.9	1.121	1.991	20.3	18.7
6 30	20 52.46	−16 51.1	1.067	2.001	15.8	18.5
7 10	20 46.71	−17 26.7	1.031	2.012	10.7	18.3
7 20	20 38.54	−18 11.9	1.015	2.024	4.9	18.0
7 30	20 29.24	−19 0.0	1.022	2.037	1.0	17.7
8 9	20 20.41	−19 44.1	1.052	2.051	6.8	18.2
8 19	20 13.44	−20 19.2	1.104	2.065	12.0	18.5
8 29	20 9.37	−20 42.5	1.176	2.081	16.5	18.8

467848 2010 VM_{78} 7 28.3 332°.13 5°.6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.24	− 6 38.4	1.238	2.079	20.5	21.2
6 30	20 50.23	− 6 15.3	1.159	2.068	16.9	20.9
7 10	20 45.31	− 6 13.3	1.097	2.058	12.7	20.6
7 20	20 38.00	− 6 34.0	1.055	2.049	8.4	20.4
7 30	20 29.32	− 7 16.0	1.035	2.040	5.7	20.2
8 9	20 20.66	− 8 14.2	1.037	2.032	7.7	20.3
8 19	20 13.43	− 9 21.6	1.062	2.025	12.1	20.5
8 29	20 8.81	−10 30.3	1.106	2.019	16.6	20.7

407982 2012 DV_{53} 7 28.3 349°.94 5°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.02	− 0 5.1	2.307	3.077	14.3	20.3
6 30	20 46.99	− 0 0.1	2.218	3.074	12.1	20.1
7 10	20 42.30	− 0 12.1	2.149	3.071	9.6	19.9
7 20	20 36.33	− 0 41.6	2.103	3.068	7.1	19.8
7 30	20 29.70	− 1 27.7	2.082	3.066	5.6	19.7
8 9	20 23.12	− 2 27.3	2.087	3.065	6.1	19.7
8 19	20 17.29	− 3 36.2	2.119	3.063	8.2	19.8
8 29	20 12.87	− 4 49.5	2.175	3.062	10.7	20.0

19171 1991 FS 7 28.3 148°.13 2°.9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 3.00	−24 3.1	1.809	2.646	15.1	19.1
6 30	20 57.64	−24 46.3	1.739	2.656	11.8	18.9
7 10	20 49.70	−25 33.5	1.692	2.665	8.0	18.7
7 20	20 39.81	−26 19.3	1.668	2.673	4.2	18.5
7 30	20 28.97	−26 57.6	1.672	2.680	3.3	18.5
8 9	20 18.42	−27 24.2	1.704	2.687	6.6	18.7
8 19	20 9.28	−27 37.1	1.761	2.693	10.3	18.9
8 29	20 2.47	−27 36.6	1.841	2.699	13.7	19.2

291104 2005 YO_{161} 7 28.3 244°.45 0°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.85	−16 23.5	2.723	3.540	11.2	21.2
6 30	20 49.81	−16 56.6	2.621	3.526	8.7	21.0
7 10	20 44.14	−17 37.4	2.542	3.511	5.9	20.8
7 20	20 37.18	−18 23.3	2.490	3.497	2.7	20.6
7 30	20 29.52	−19 11.4	2.467	3.482	0.6	20.4
8 9	20 21.82	−19 58.1	2.473	3.467	3.9	20.6
8 19	20 14.79	−20 40.5	2.507	3.451	7.1	20.8
8 29	20 9.05	−21 16.6	2.566	3.435	10.0	21.0

205966 2002 LV_{29} 7 28.3 345°.27 6°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.82	−22 49.9	1.097	1.994	18.6	18.4
6 30	20 44.33	−24 49.6	1.023	1.974	14.5	18.0
7 10	20 41.76	−27 7.8	0.968	1.956	10.1	17.7
7 20	20 36.51	−29 33.6	0.934	1.939	6.5	17.5
7 30	20 29.62	−31 51.9	0.923	1.925	7.1	17.5
8 9	20 22.66	−33 48.2	0.933	1.912	11.3	17.7
8 19	20 17.28	−35 12.9	0.963	1.902	16.0	17.9
8 29	20 14.93	−36 2.8	1.011	1.895	20.3	18.1

24997 Petergabriel 7 28.3 350°.76 2°.8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.86	−12 39.1	1.234	2.091	19.6	18.5
6 30	20 51.46	−12 25.5	1.162	2.086	15.7	18.3
7 10	20 46.08	−12 27.2	1.108	2.081	11.1	18.0
7 20	20 38.32	−12 43.4	1.074	2.078	6.1	17.7
7 30	20 29.28	−13 10.8	1.063	2.075	2.8	17.5
8 9	20 20.42	−13 44.5	1.075	2.074	6.6	17.7
8 19	20 13.12	−14 19.4	1.109	2.073	11.7	18.0
8 29	20 8.51	−14 50.7	1.164	2.073	16.3	18.3

207971 1996 JV_{8} 7 28.3 67°.84 1°.7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.84	−12 5.4	1.287	2.132	19.6	20.2
6 30	20 54.24	−12 30.5	1.229	2.146	15.5	20.0
7 10	20 47.71	−13 13.6	1.189	2.161	10.7	19.7
7 20	20 38.96	−14 10.8	1.171	2.175	5.4	19.5
7 30	20 29.17	−15 16.2	1.176	2.190	1.8	19.3
8 9	20 19.77	−16 22.2	1.206	2.205	6.2	19.6
8 19	20 12.05	−17 22.6	1.261	2.220	11.1	19.9
8 29	20 6.98	−18 12.8	1.336	2.234	15.4	20.2

280593 2004 VP_{19} 7 28.3 279°.22 2°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.44	−11 19.6	1.850	2.670	15.5	20.9
6 30	20 52.64	−11 9.5	1.749	2.650	12.6	20.7
7 10	20 46.50	−11 11.1	1.668	2.630	9.0	20.4
7 20	20 38.44	−11 24.0	1.610	2.609	5.2	20.1
7 30	20 29.26	−11 46.3	1.578	2.589	2.8	19.9
8 9	20 19.98	−12 14.9	1.573	2.568	5.5	20.1
8 19	20 11.67	−12 46.2	1.593	2.547	9.6	20.3
8 29	20 5.29	−13 16.8	1.637	2.527	13.5	20.5

169598 2002 GK_{79} 7 28.3 91°.86 2°.4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.52	−11 43.1	1.448	2.283	18.4	20.5
6 30	20 54.52	−11 47.1	1.381	2.291	14.6	20.3
7 10	20 47.80	−12 6.6	1.332	2.300	10.3	20.1
7 20	20 39.00	−12 39.3	1.306	2.308	5.5	19.8
7 30	20 29.18	−13 21.5	1.304	2.317	2.4	19.7
8 9	20 19.63	−14 7.6	1.328	2.325	6.0	19.9
8 19	20 11.58	−14 52.6	1.376	2.333	10.5	20.2
8 29	20 5.98	−15 32.5	1.447	2.342	14.6	20.5

508817 2001 CY_{10} 7 28.3 200°.44 2°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.48	−25 21.3	2.669	3.486	11.4	22.9
6 30	20 56.46	−25 36.4	2.576	3.481	8.9	22.8
7 10	20 48.55	−25 52.2	2.507	3.475	6.0	22.6
7 20	20 39.21	−26 5.5	2.466	3.469	3.2	22.4
7 30	20 29.14	−26 13.2	2.453	3.461	2.3	22.3
8 9	20 19.20	−26 13.1	2.470	3.453	4.9	22.5
8 19	20 10.18	−26 4.4	2.516	3.444	7.9	22.6
8 29	20 2.78	−25 47.3	2.588	3.435	10.6	22.8

238187 2003 SC_{270} 7 28.3 296°.69 8°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.79	−37 39.5	1.766	2.613	15.0	19.8
6 30	20 56.00	−39 15.2	1.693	2.602	12.5	19.6
7 10	20 49.15	−40 47.4	1.641	2.590	10.2	19.4
7 20	20 39.78	−42 6.5	1.613	2.579	8.9	19.3
7 30	20 28.99	−43 3.4	1.609	2.567	9.5	19.3
8 9	20 18.26	−43 32.5	1.629	2.556	11.5	19.4
8 19	20 9.05	−43 32.8	1.671	2.545	14.2	19.5
8 29	20 2.57	−43 7.2	1.732	2.534	16.8	19.7

322060 2010 VE_{79} 7 28.3 76°.49 4°.6/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 1.57	−26 19.7	1.443	2.300	17.3	20.5
6 30	20 57.07	−27 21.4	1.390	2.316	13.4	20.3
7 10	20 49.56	−28 26.1	1.358	2.333	9.2	20.1
7 20	20 39.80	−29 25.9	1.348	2.350	5.5	20.0
7 30	20 29.04	−30 12.9	1.364	2.366	5.1	20.0
8 9	20 18.77	−30 41.8	1.404	2.383	8.3	20.2
8 19	20 10.31	−30 51.4	1.468	2.399	12.1	20.5
8 29	20 4.61	−30 43.2	1.554	2.416	15.6	20.7

380326 2002 JC_{125} 7 28.3 82°.53 6°.3/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.27	−31 24.4	1.764	2.612	15.0	20.2
6 30	20 55.78	−32 48.8	1.709	2.626	11.9	20.1
7 10	20 48.59	−34 12.1	1.676	2.641	8.7	19.9
7 20	20 39.34	−35 26.2	1.667	2.655	6.5	19.8
7 30	20 29.13	−36 23.4	1.684	2.669	6.7	19.9
8 9	20 19.24	−36 59.0	1.727	2.682	9.1	20.0
8 19	20 10.88	−37 12.0	1.794	2.696	12.0	20.2
8 29	20 4.97	−37 4.7	1.882	2.710	14.7	20.5

48698 1996 HJ_{20} 7 28.3 313°.87 0°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.21	−18 42.1	1.809	2.652	14.9	19.0
6 30	20 51.67	−19 5.6	1.725	2.644	11.7	18.8
7 10	20 45.80	−19 37.4	1.661	2.637	7.8	18.6
7 20	20 38.09	−20 14.2	1.622	2.630	3.6	18.3
7 30	20 29.39	−20 51.5	1.608	2.622	1.2	18.1
8 9	20 20.77	−21 24.9	1.621	2.616	5.5	18.4
8 19	20 13.28	−21 50.9	1.659	2.609	9.6	18.6
8 29	20 7.80	−22 7.8	1.721	2.603	13.3	18.8

105764 2000 ST_{106} 7 28.3 265°.79 0°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.38	−18 1.7	1.428	2.278	17.8	20.0
6 30	20 55.48	−18 13.6	1.353	2.275	14.0	19.7
7 10	20 48.65	−18 35.5	1.296	2.273	9.5	19.5
7 20	20 39.49	−19 3.8	1.262	2.270	4.4	19.2
7 30	20 29.10	−19 33.5	1.253	2.268	1.0	18.9
8 9	20 18.90	−19 59.5	1.269	2.265	6.3	19.3
8 19	20 10.24	−20 18.4	1.309	2.263	11.3	19.6
8 29	20 4.19	−20 28.4	1.370	2.260	15.6	19.8

9153 Chikurinji 7 28.3 290°.48 7°.7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.64	− 0 6.2	1.878	2.654	16.9	17.3
6 30	20 51.14	+ 0 45.2	1.781	2.638	14.5	17.1
7 10	20 45.43	+ 1 19.9	1.702	2.621	11.8	16.9
7 20	20 37.95	+ 1 35.1	1.645	2.605	9.2	16.7
7 30	20 29.43	+ 1 29.2	1.612	2.589	7.7	16.6
8 9	20 20.83	+ 1 3.4	1.604	2.573	8.4	16.6
8 19	20 13.15	+ 0 21.1	1.620	2.557	10.8	16.7
8 29	20 7.27	− 0 32.7	1.659	2.541	13.7	16.8

290659 2005 UJ_{295} 7 28.3 130°.50 0°.2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.65	−18 10.1	1.864	2.695	15.0	21.1
6 30	20 54.86	−18 24.1	1.791	2.703	11.7	20.9
7 10	20 47.75	−18 45.6	1.739	2.711	7.8	20.7
7 20	20 38.92	−19 11.2	1.712	2.719	3.6	20.5
7 30	20 29.25	−19 37.2	1.711	2.726	0.8	20.3
8 9	20 19.83	−19 59.9	1.738	2.733	5.2	20.6
8 19	20 11.66	−20 16.8	1.792	2.740	9.2	20.9
8 29	20 5.54	−20 26.5	1.869	2.746	12.7	21.1

378678 2008 HG_{50} 7 28.3 2°.96 5°.3/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.31	−26 40.7	1.318	2.190	17.7	20.9
6 30	20 53.50	−27 44.8	1.254	2.189	13.9	20.7
7 10	20 47.52	−28 53.7	1.210	2.188	9.7	20.4
7 20	20 39.02	−29 58.9	1.187	2.189	6.0	20.2
7 30	20 29.23	−30 51.3	1.188	2.190	5.8	20.2
8 9	20 19.71	−31 24.4	1.212	2.192	9.2	20.4
8 19	20 11.94	−31 35.7	1.259	2.194	13.3	20.7
8 29	20 7.05	−31 26.4	1.325	2.197	17.1	20.9

97037 1999 US_{8} 7 28.3 198°.42 6°.8/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.38	−36 43.0	2.247	3.077	12.8	19.9
6 30	20 57.13	−37 52.9	2.174	3.074	10.5	19.7
7 10	20 49.41	−38 58.6	2.124	3.071	8.3	19.5
7 20	20 39.75	−39 53.3	2.098	3.068	6.9	19.5
7 30	20 29.08	−40 30.9	2.099	3.064	7.2	19.5
8 9	20 18.57	−40 47.7	2.127	3.060	8.9	19.6
8 19	20 9.31	−40 43.2	2.179	3.055	11.3	19.7
8 29	20 2.23	−40 19.7	2.252	3.050	13.6	19.9

470332 2007 RD_{33} 7 28.3 335°.00 3°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.24	−14 3.1	1.370	2.221	18.4	19.9
6 30	20 52.41	−13 6.3	1.283	2.202	14.8	19.6
7 10	20 46.71	−12 17.2	1.214	2.185	10.7	19.3
7 20	20 38.67	−11 36.7	1.167	2.169	6.2	19.0
7 30	20 29.29	−11 5.1	1.143	2.154	3.6	18.8
8 9	20 19.94	−10 41.7	1.143	2.140	6.9	19.0
8 19	20 11.98	−10 25.0	1.166	2.127	11.6	19.2
8 29	20 6.56	−10 13.1	1.210	2.115	16.1	19.4

383268 2006 DC_{76} 7 28.3 226°.54 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.21	−16 16.4	2.070	2.895	13.9	22.1
6 30	20 52.94	−16 43.5	1.978	2.887	10.9	21.9
7 10	20 46.52	−17 20.1	1.908	2.878	7.4	21.6
7 20	20 38.41	−18 3.3	1.863	2.869	3.5	21.4
7 30	20 29.36	−18 49.1	1.845	2.860	0.7	21.1
8 9	20 20.32	−19 33.2	1.855	2.850	4.9	21.4
8 19	20 12.25	−20 11.9	1.892	2.840	8.8	21.6
8 29	20 5.97	−20 43.0	1.953	2.829	12.3	21.8

350034 2010 JQ_{163} 7 28.3 36°.38 7°.9/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.12	+ 1 40.3	1.871	2.639	17.2	21.2
6 30	20 50.53	+ 2 25.0	1.793	2.642	14.8	21.0
7 10	20 44.87	+ 2 50.5	1.734	2.646	12.0	20.8
7 20	20 37.61	+ 2 54.3	1.696	2.650	9.5	20.7
7 30	20 29.53	+ 2 36.0	1.681	2.653	8.0	20.6
8 9	20 21.58	+ 1 57.7	1.692	2.658	8.3	20.6
8 19	20 14.64	+ 1 3.8	1.727	2.662	10.4	20.8
8 29	20 9.51	+ 0 0.2	1.784	2.666	13.0	20.9

360132 2013 CL_{35} 7 28.3 94°.53 2°.1/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.61	− 9 24.4	2.364	3.167	13.1	21.2
6 30	20 49.65	− 9 49.4	2.290	3.180	10.4	21.1
7 10	20 44.00	−10 26.6	2.237	3.193	7.4	20.9
7 20	20 37.12	−11 13.9	2.209	3.206	4.2	20.7
7 30	20 29.65	−12 8.3	2.209	3.219	2.1	20.6
8 9	20 22.32	−13 6.1	2.237	3.232	4.1	20.8
8 19	20 15.84	−14 3.3	2.293	3.244	7.2	21.0
8 29	20 10.81	−14 56.7	2.374	3.257	10.1	21.2

512633 2016 TU_{46} 7 28.3 345°.07 2°.7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.44	−12 40.3	1.615	2.451	16.7	20.8
6 30	20 51.23	−12 18.5	1.533	2.445	13.4	20.5
7 10	20 45.58	−12 7.9	1.472	2.439	9.5	20.3
7 20	20 38.02	−12 8.0	1.433	2.434	5.3	20.0
7 30	20 29.45	−12 16.9	1.418	2.429	2.7	19.9
8 9	20 21.02	−12 31.9	1.429	2.425	5.7	20.1
8 19	20 13.79	−12 49.5	1.464	2.422	9.9	20.3
8 29	20 8.70	−13 6.7	1.522	2.420	13.8	20.5

476131 2007 TW_{232} 7 28.3 269°.13 5°.1/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.96	− 4 0.7	2.162	2.945	14.7	22.2
6 30	20 51.11	− 3 38.0	2.057	2.926	12.3	22.0
7 10	20 45.27	− 3 29.4	1.972	2.907	9.6	21.8
7 20	20 37.85	− 3 36.0	1.910	2.887	6.8	21.6
7 30	20 29.48	− 3 57.4	1.874	2.868	5.2	21.5
8 9	20 21.04	− 4 31.7	1.865	2.848	6.2	21.5
8 19	20 13.37	− 5 15.5	1.882	2.827	9.0	21.6
8 29	20 7.28	− 6 4.5	1.923	2.807	12.1	21.8

400472 2008 GT_{29} 7 28.3 15°.39 2°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.57	−23 53.2	1.860	2.709	14.3	20.7
6 30	20 51.83	−24 19.0	1.789	2.712	11.1	20.5
7 10	20 45.79	−24 48.2	1.739	2.716	7.5	20.3
7 20	20 38.04	−25 16.6	1.714	2.720	3.8	20.1
7 30	20 29.47	−25 39.7	1.714	2.724	2.7	20.0
8 9	20 21.14	−25 53.9	1.741	2.729	6.0	20.3
8 19	20 14.03	−25 57.6	1.793	2.735	9.6	20.5
8 29	20 8.94	−25 50.6	1.869	2.741	12.9	20.7

223395 2003 SW_{115} 7 28.3 300°.91 5°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.29	− 1 17.3	2.382	3.151	13.9	20.3
6 30	20 48.74	− 0 49.5	2.288	3.144	11.8	20.1
7 10	20 43.49	− 0 36.1	2.215	3.136	9.3	19.9
7 20	20 36.94	− 0 38.0	2.165	3.129	7.0	19.8
7 30	20 29.70	− 0 55.2	2.140	3.122	5.7	19.7
8 9	20 22.48	− 1 25.9	2.142	3.115	6.3	19.7
8 19	20 16.01	− 2 7.1	2.169	3.109	8.3	19.8
8 29	20 10.92	− 2 54.9	2.222	3.102	10.8	20.0

181294 2006 PP_{12} 7 28.3 247°.40 1°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.23	−21 48.6	1.780	2.615	15.5	20.9
6 30	20 58.13	−21 54.1	1.685	2.599	12.2	20.6
7 10	20 50.31	−22 3.9	1.610	2.584	8.3	20.4
7 20	20 40.29	−22 14.5	1.560	2.567	3.9	20.1
7 30	20 29.01	−22 21.7	1.537	2.550	1.7	19.9
8 9	20 17.76	−22 22.0	1.541	2.533	6.0	20.1
8 19	20 7.77	−22 13.8	1.570	2.515	10.5	20.3
8 29	20 0.11	−21 57.0	1.624	2.497	14.5	20.6

239599 2008 UQ_{114} 7 28.3 204°.86 0°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.84	−17 12.7	1.961	2.790	14.4	21.1
6 30	20 53.46	−17 22.3	1.878	2.789	11.3	20.9
7 10	20 46.86	−17 39.7	1.816	2.787	7.7	20.7
7 20	20 38.56	−18 2.3	1.778	2.785	3.6	20.4
7 30	20 29.39	−18 26.7	1.768	2.782	0.7	20.2
8 9	20 20.35	−18 49.4	1.784	2.780	4.9	20.5
8 19	20 12.40	−19 7.8	1.828	2.777	8.9	20.7
8 29	20 6.36	−19 20.2	1.895	2.775	12.4	20.9

248101 2004 RP_{91} 7 28.3 286°.14 0°.9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.63	−15 22.3	2.277	3.100	12.9	20.9
6 30	20 50.76	−15 25.9	2.177	3.083	10.2	20.7
7 10	20 44.97	−15 37.2	2.098	3.066	7.0	20.5
7 20	20 37.69	−15 54.7	2.045	3.050	3.5	20.2
7 30	20 29.57	−16 15.9	2.019	3.033	1.0	20.0
8 9	20 21.43	−16 38.0	2.020	3.016	4.4	20.2
8 19	20 14.11	−16 58.5	2.048	2.999	8.0	20.4
8 29	20 8.36	−17 15.3	2.101	2.983	11.3	20.6

74997 1999 TP_{274} 7 28.3 342°.09 0°.8/28.6 18

6 20	20 54.35	−17 20.6	1.128	2.000	20.0	19.5
6 30	20 52.26	−17 8.0	1.055	1.990	15.9	19.2
7 10	20 46.89	−17 6.2	1.000	1.981	10.9	18.9
7 20	20 38.84	−17 13.1	0.965	1.973	5.2	18.5
7 30	20 29.32	−17 24.7	0.951	1.966	1.2	18.2
8 9	20 19.97	−17 36.3	0.960	1.960	7.0	18.6
8 19	20 12.36	−17 44.3	0.991	1.955	12.6	18.9
8 29	20 7.74	−17 46.3	1.040	1.952	17.5	19.2

249605 1999 RS_{76} 7 28.3 309°.87 4°.5/25.7 18

6 20	20 57.65	−29 54.1	2.023	2.868	13.5	20.1
6 30	20 53.55	−30 29.6	1.937	2.855	10.7	19.9
7 10	20 47.06	−31 4.7	1.872	2.842	7.6	19.7
7 20	20 38.71	−31 34.1	1.832	2.829	5.1	19.5
7 30	20 29.36	−31 52.7	1.819	2.816	4.8	19.5
8 9	20 20.13	−31 56.9	1.831	2.803	7.3	19.6
8 19	20 12.06	−31 45.7	1.869	2.791	10.5	19.8
8 29	20 6.05	−31 20.1	1.929	2.779	13.5	19.9

515168 2011 QW_{99} 7 28.3 296°.54 4°.1/30.7 18

6 20	20 53.38	− 6 51.6	1.913	2.720	15.6	21.4
6 30	20 50.21	− 6 46.6	1.808	2.697	12.8	21.2
7 10	20 44.88	− 6 57.1	1.722	2.673	9.6	20.9
7 20	20 37.75	− 7 23.3	1.659	2.650	6.2	20.7
7 30	20 29.55	− 8 4.0	1.622	2.626	4.1	20.5
8 9	20 21.21	− 8 55.6	1.611	2.603	5.8	20.6
8 19	20 13.71	− 9 53.7	1.625	2.580	9.4	20.7
8 29	20 7.98	−10 53.2	1.663	2.556	13.1	20.9

356583 2011 SV_{256} 7 28.3 216°.00 0°.6/27.9 18

6 20	20 55.53	−18 44.6	2.305	3.133	12.6	22.0
6 30	20 51.38	−19 12.7	2.218	3.129	9.8	21.8
7 10	20 45.33	−19 47.4	2.154	3.126	6.6	21.6
7 20	20 37.83	−20 25.7	2.115	3.122	3.0	21.4
7 30	20 29.57	−21 4.1	2.104	3.118	1.0	21.2
8 9	20 21.38	−21 38.8	2.121	3.114	4.6	21.5
8 19	20 14.07	−22 7.2	2.165	3.110	8.1	21.7
8 29	20 8.37	−22 27.8	2.234	3.105	11.1	21.9

225714 2001 RP_{20} 7 28.3 322°.05 0°.4/28.1 18

6 20	20 54.10	−18 51.1	1.283	2.149	18.4	19.9
6 30	20 51.94	−18 55.0	1.194	2.127	14.6	19.6
7 10	20 46.68	−19 8.7	1.124	2.105	10.0	19.3
7 20	20 38.79	−19 29.2	1.075	2.084	4.7	19.0
7 30	20 29.33	−19 51.7	1.049	2.064	1.2	18.6
8 9	20 19.78	−20 11.0	1.046	2.044	6.9	19.0
8 19	20 11.69	−20 23.0	1.065	2.026	12.5	19.2
8 29	20 6.36	−20 25.7	1.105	2.009	17.4	19.4

384576 2010 GW_{173} 7 28.3 111°.59 1°.7/27.6 17

6 20	21 3.58	−23 50.7	2.014	2.843	14.1	21.1
6 30	20 57.66	−23 49.6	1.945	2.857	11.0	20.9
7 10	20 49.49	−23 49.9	1.898	2.869	7.3	20.7
7 20	20 39.69	−23 48.3	1.876	2.882	3.5	20.5
7 30	20 29.21	−23 41.9	1.882	2.894	1.9	20.4
8 9	20 19.11	−23 28.5	1.916	2.906	5.3	20.7
8 19	20 10.34	−23 8.0	1.977	2.918	8.9	20.9
8 29	20 3.67	−22 41.1	2.063	2.929	12.1	21.1

264019 2009 PR_{19} 7 28.3 322°.31 6°.5/31.4 18

6 20	20 54.64	− 2 58.6	2.061	2.843	15.4	19.6
6 30	20 50.88	− 1 57.6	1.966	2.831	13.0	19.4
7 10	20 45.11	− 1 9.2	1.892	2.819	10.4	19.2
7 20	20 37.78	− 0 35.8	1.841	2.808	7.9	19.0
7 30	20 29.57	− 0 18.7	1.815	2.797	6.5	18.9
8 9	20 21.38	− 0 17.5	1.814	2.786	7.4	19.0
8 19	20 14.05	− 0 30.0	1.839	2.776	9.7	19.1
8 29	20 8.39	− 0 52.7	1.887	2.766	12.5	19.2

212296 2005 NH_5 7 28.3 41°.36 0°.4/28.0 18

6 20	20 54.22	−16 31.0	1.705	2.549	15.6	19.9
6 30	20 50.84	−17 13.8	1.643	2.562	12.1	19.8
7 10	20 45.16	−18 7.4	1.601	2.576	8.1	19.5
7 20	20 37.78	−19 7.6	1.583	2.591	3.7	19.3
7 30	20 29.60	−20 8.8	1.591	2.606	1.0	19.1
8 9	20 21.68	−21 5.4	1.626	2.621	5.3	19.5
8 19	20 15.00	−21 53.1	1.686	2.637	9.4	19.8
8 29	20 10.36	−22 29.7	1.769	2.653	12.9	20.0

236859 2007 RD_{182} 7 28.3 355°.17 1°.7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.15	−11 47.4	1.750	2.579	15.9	20.5
6 30	20 50.83	−12 9.5	1.670	2.578	12.6	20.3
7 10	20 45.24	−12 46.1	1.610	2.578	8.8	20.1
7 20	20 37.87	−13 34.7	1.574	2.577	4.6	19.8
7 30	20 29.57	−14 31.4	1.563	2.577	1.7	19.6
8 9	20 21.37	−15 30.9	1.579	2.577	5.2	19.9
8 19	20 14.28	−16 28.1	1.620	2.577	9.3	20.1
8 29	20 9.16	−17 18.9	1.685	2.577	13.1	20.4

130046 1999 VF_{159} 7 28.3 273°.98 9°.1/22.3 18

6 20	21 3.24	−40 25.9	1.892	2.726	14.7	20.1
6 30	20 58.61	−41 47.1	1.816	2.713	12.4	19.9
7 10	20 50.88	−43 2.1	1.761	2.699	10.3	19.7
7 20	20 40.64	−44 1.7	1.730	2.686	9.2	19.6
7 30	20 29.00	−44 37.9	1.723	2.672	9.6	19.6
8 9	20 17.48	−44 46.0	1.740	2.659	11.5	19.7
8 19	20 7.54	−44 26.0	1.780	2.645	13.9	19.9
8 29	20 0.36	−43 41.5	1.839	2.631	16.4	20.0

255356 2005 WY_{93} 7 28.3 151°.26 0°.6/27.9 18

6 20	20 55.25	−19 20.2	2.670	3.492	11.2	21.4
6 30	20 50.82	−19 42.2	2.589	3.498	8.7	21.3
7 10	20 44.77	−20 9.0	2.532	3.503	5.8	21.1
7 20	20 37.52	−20 38.1	2.500	3.507	2.7	20.9
7 30	20 29.69	−21 6.5	2.498	3.512	0.9	20.8
8 9	20 21.98	−21 31.7	2.524	3.516	4.0	21.0
8 19	20 15.06	−21 51.6	2.577	3.520	7.0	21.2
8 29	20 9.54	−22 5.1	2.657	3.523	9.7	21.4

501971 2014 YY_{23} 7 28.3 218°.70 1°.8/27.3 17

6 20	21 1.47	−21 23.1	1.789	2.626	15.3	21.7
6 30	20 56.70	−21 54.4	1.702	2.618	12.0	21.5
7 10	20 49.31	−22 32.3	1.636	2.610	8.1	21.2
7 20	20 39.83	−23 12.5	1.595	2.602	3.9	21.0
7 30	20 29.19	−23 49.4	1.581	2.593	2.2	20.8
8 9	20 18.61	−24 18.2	1.593	2.583	6.2	21.1
8 19	20 9.28	−24 36.1	1.632	2.573	10.4	21.3
8 29	20 2.22	−24 42.3	1.693	2.562	14.2	21.5

70679 Urzidil 7 28.3 308°.31 3°.6/29.9 18

6 20	20 54.19	−10 12.7	1.612	2.442	17.0	20.2
6 30	20 51.28	− 9 55.1	1.514	2.419	13.9	19.9
7 10	20 45.85	− 9 51.4	1.434	2.396	10.1	19.6
7 20	20 38.31	−10 1.6	1.376	2.374	6.1	19.3
7 30	20 29.49	−10 24.4	1.343	2.352	3.6	19.1
8 9	20 20.55	−10 56.5	1.335	2.330	6.2	19.2
8 19	20 12.66	−11 33.8	1.351	2.309	10.6	19.4
8 29	20 6.91	−12 11.6	1.389	2.288	14.8	19.6

83303 2001 RR_{106} 7 28.3 51°.20 1°.9/27.4 18

6 20	20 58.90	−21 8.4	1.379	2.237	17.8	19.5
6 30	20 55.03	−21 38.4	1.322	2.250	13.8	19.3
7 10	20 48.25	−22 15.8	1.284	2.263	9.2	19.0
7 20	20 39.29	−22 55.3	1.269	2.276	4.4	18.8
7 30	20 29.35	−23 30.5	1.278	2.290	2.4	18.7
8 9	20 19.84	−23 56.4	1.311	2.304	6.8	19.0
8 19	20 12.04	−24 10.3	1.369	2.319	11.3	19.3
8 29	20 6.89	−24 11.9	1.448	2.333	15.2	19.6

323709 2005 HZ_5 7 28.3 131°.31 0°.4/28.6 17

6 20	21 0.34	−14 39.3	1.847	2.669	15.5	21.7
6 30	20 55.41	−15 14.1	1.777	2.683	12.1	21.5
7 10	20 48.17	−16 0.3	1.729	2.697	8.2	21.3
7 20	20 39.20	−16 54.4	1.705	2.710	3.9	21.1
7 30	20 29.39	−17 51.3	1.708	2.723	0.8	20.9
8 9	20 19.81	−18 45.9	1.739	2.735	5.1	21.2
8 19	20 11.47	−19 34.1	1.797	2.746	9.1	21.5
8 29	20 5.19	−20 13.3	1.880	2.756	12.6	21.7

78938 2003 SR_{156} 7 28.3 7°.82 9°.0/24.9 17

6 20	21 1.55	−37 34.5	1.373	2.233	17.8	18.8
6 30	20 57.73	−38 23.8	1.316	2.234	14.6	18.6
7 10	20 50.39	−39 4.6	1.277	2.236	11.5	18.4
7 20	20 40.37	−39 27.7	1.260	2.239	9.3	18.3
7 30	20 29.16	−39 25.3	1.265	2.243	9.3	18.3
8 9	20 18.55	−38 54.5	1.293	2.248	11.5	18.4
8 19	20 10.09	−37 57.9	1.343	2.253	14.6	18.6
8 29	20 4.85	−36 41.1	1.412	2.260	17.7	18.8

338749 2003 UV_{167} 7 28.3 216°.57 2°.9/30.2 18

6 20	20 57.05	− 9 17.5	2.437	3.230	13.0	21.4
6 30	20 52.43	− 9 7.2	2.339	3.222	10.5	21.3
7 10	20 45.99	− 9 7.0	2.263	3.213	7.7	21.1
7 20	20 38.17	− 9 16.5	2.212	3.204	4.7	20.9
7 30	20 29.60	− 9 34.3	2.188	3.195	2.9	20.7
8 9	20 21.04	− 9 58.1	2.194	3.185	4.6	20.8
8 19	20 13.26	−10 25.5	2.226	3.174	7.7	21.0
8 29	20 6.95	−10 53.6	2.285	3.163	10.6	21.2

123442 2000 WU_{129} 7 28.3 191°.15 1°.8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.12	−22 4.8	2.112	2.944	13.4	20.9
6 30	20 54.39	−22 37.6	2.029	2.943	10.5	20.7
7 10	20 47.49	−23 15.2	1.968	2.941	7.0	20.5
7 20	20 38.91	−23 53.8	1.933	2.940	3.4	20.3
7 30	20 29.46	−24 28.8	1.926	2.937	2.2	20.2
8 9	20 20.13	−24 56.3	1.947	2.935	5.4	20.4
8 19	20 11.86	−25 14.0	1.994	2.931	9.0	20.6
8 29	20 5.48	−25 21.4	2.065	2.928	12.2	20.8

262862 2007 BS_{38} 7 28.3 213°.73 0°.5/28.7 18

6 20	20 58.19	−14 56.5	1.934	2.758	14.8	21.5
6 30	20 53.86	−15 21.9	1.845	2.753	11.7	21.2
7 10	20 47.26	−15 58.4	1.778	2.747	8.0	21.0
7 20	20 38.86	−16 43.1	1.734	2.740	3.8	20.7
7 30	20 29.46	−17 31.9	1.718	2.733	0.8	20.5
8 9	20 20.10	−18 20.0	1.730	2.725	5.0	20.8
8 19	20 11.77	−19 3.5	1.768	2.717	9.2	21.0
8 29	20 5.37	−19 39.6	1.830	2.709	12.8	21.2

491304 2011 WO_{24} 7 28.3 323°.81 0°.2/28.4 16

6 20	20 54.91	−17 10.0	1.955	2.791	14.2	21.7
6 30	20 51.25	−17 19.9	1.870	2.784	11.2	21.5
7 10	20 45.45	−17 37.8	1.805	2.778	7.6	21.2
7 20	20 37.99	−18 1.2	1.765	2.772	3.6	21.0
7 30	20 29.65	−18 26.8	1.752	2.766	0.7	20.7
8 9	20 21.40	−18 51.1	1.765	2.761	4.9	21.1
8 19	20 14.19	−19 11.3	1.804	2.756	8.8	21.3
8 29	20 8.81	−19 25.5	1.867	2.751	12.4	21.5

16502 1990 SB_{14} 7 28.3 306°.27 0°.2/28.2 18

6 20	20 55.17	−17 58.8	1.996	2.831	14.0	18.6
6 30	20 51.45	−18 11.6	1.907	2.822	11.0	18.3
7 10	20 45.59	−18 31.9	1.839	2.813	7.4	18.1
7 20	20 38.06	−18 57.0	1.796	2.804	3.4	17.8
7 30	20 29.63	−19 23.5	1.780	2.795	0.8	17.6
8 9	20 21.27	−19 47.7	1.791	2.786	4.9	17.9
8 19	20 13.91	−20 7.1	1.827	2.778	8.9	18.1
8 29	20 8.37	−20 19.8	1.888	2.770	12.4	18.3

63070 2000 WH_{125} 7 28.3 55°.27 7°.7/ 2.5 18

6 20	20 55.08	+ 2 30.6	2.020	2.775	16.5	18.3
6 30	20 50.99	+ 3 20.3	1.958	2.796	14.1	18.2
7 10	20 45.01	+ 3 51.3	1.914	2.817	11.6	18.1
7 20	20 37.68	+ 4 1.7	1.892	2.838	9.2	18.0
7 30	20 29.74	+ 3 51.2	1.894	2.859	7.8	17.9
8 9	20 22.05	+ 3 22.1	1.922	2.880	8.0	18.0
8 19	20 15.38	+ 2 38.2	1.974	2.902	9.7	18.1
8 29	20 10.40	+ 1 44.8	2.050	2.923	11.9	18.3

507514 2012 VE_{36} 7 28.3 233°.42 4°.9/24.9 18

6 20	20 58.28	−29 2.1	2.003	2.847	13.6	21.7
6 30	20 54.10	−30 10.6	1.926	2.843	10.7	21.5
7 10	20 47.50	−31 20.9	1.871	2.839	7.7	21.3
7 20	20 39.00	−32 26.6	1.840	2.835	5.3	21.1
7 30	20 29.46	−33 21.0	1.837	2.830	5.3	21.1
8 9	20 20.01	−33 59.3	1.860	2.825	7.8	21.3
8 19	20 11.73	−34 19.2	1.908	2.821	10.8	21.4
8 29	20 5.54	−34 21.3	1.979	2.816	13.8	21.6

140326 2001 SV_{339} 7 28.3 144°.52 0°.6/28.0 18

6 20	20 59.32	−20 46.0	2.105	2.935	13.6	19.9
6 30	20 54.43	−20 42.1	2.024	2.936	10.6	19.7
7 10	20 47.43	−20 41.9	1.964	2.937	7.1	19.5
7 20	20 38.85	−20 42.9	1.931	2.938	3.3	19.3
7 30	20 29.51	−20 42.4	1.924	2.939	1.0	19.1
8 9	20 20.38	−20 38.2	1.946	2.939	4.8	19.4
8 19	20 12.35	−20 29.1	1.994	2.940	8.5	19.6
8 29	20 6.19	−20 14.8	2.067	2.941	11.8	19.8

134636 1999 UB_{20} 7 28.3 36°.01 16°.1/11.8 17

6 20	20 51.43	+18 9.4	1.254	1.971	26.5	19.3
6 30	20 49.39	+19 11.1	1.203	1.985	24.3	19.1
7 10	20 44.60	+19 31.9	1.162	2.000	21.8	19.0
7 20	20 37.69	+19 4.8	1.135	2.016	19.3	18.9
7 30	20 29.76	+17 47.1	1.124	2.033	17.2	18.8
8 9	20 22.14	+15 43.1	1.132	2.050	16.2	18.8
8 19	20 16.05	+13 3.2	1.159	2.069	16.5	18.9
8 29	20 12.45	+10 2.7	1.206	2.087	17.9	19.0

510911 2013 DJ_{14} 7 28.3 8°.11 0°.8/28.7 18

6 20	20 57.65	−17 52.7	1.838	2.674	15.0	20.0
6 30	20 53.38	−17 28.6	1.761	2.675	11.8	19.8
7 10	20 46.85	−17 10.0	1.704	2.676	8.0	19.6
7 20	20 38.62	−16 55.4	1.672	2.678	3.9	19.3
7 30	20 29.58	−16 43.0	1.666	2.681	1.0	19.1
8 9	20 20.78	−16 31.0	1.687	2.684	5.0	19.4
8 19	20 13.19	−16 18.1	1.734	2.687	9.0	19.6
8 29	20 7.61	−16 3.5	1.804	2.691	12.6	19.9

229736 2007 HK_3 7 28.3 142°.69 4°.3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.65	− 3 57.2	1.925	2.715	16.1	20.4
6 30	20 51.73	− 4 13.5	1.844	2.720	13.2	20.2
7 10	20 45.72	− 4 48.5	1.783	2.725	9.9	20.0
7 20	20 38.12	− 5 41.4	1.745	2.730	6.5	19.8
7 30	20 29.67	− 6 49.5	1.734	2.735	4.4	19.7
8 9	20 21.34	− 8 7.6	1.749	2.740	5.7	19.8
8 19	20 14.01	− 9 30.0	1.791	2.744	8.9	20.0
8 29	20 8.48	−10 50.7	1.858	2.748	12.2	20.2

247175 2001 BP_{80} 7 28.3 182°.67 5°.1/31.2 18

6 20	20 58.26	− 3 11.8	2.747	3.502	12.6	20.2
6 30	20 53.05	− 2 16.6	2.654	3.502	10.5	20.0
7 10	20 46.24	− 1 31.3	2.584	3.502	8.3	19.9
7 20	20 38.26	− 0 57.2	2.539	3.502	6.2	19.7
7 30	20 29.66	− 0 35.2	2.522	3.502	5.2	19.7
8 9	20 21.14	− 0 24.6	2.533	3.501	5.8	19.7
8 19	20 13.34	− 0 24.2	2.572	3.500	7.7	19.8
8 29	20 6.87	− 0 31.7	2.637	3.498	10.0	20.0

503938 2003 SL_{429} 7 28.3 302°.56 3°.4/26.8 17

6 20	20 57.49	−23 20.5	1.326	2.192	18.0	22.1
6 30	20 54.71	−23 58.0	1.239	2.171	14.2	21.8
7 10	20 48.66	−24 43.8	1.170	2.150	9.7	21.4
7 20	20 39.82	−25 31.7	1.123	2.130	5.1	21.1
7 30	20 29.29	−26 14.1	1.099	2.110	3.8	21.0
8 9	20 18.65	−26 43.7	1.100	2.090	8.3	21.2
8 19	20 9.54	−26 56.6	1.122	2.070	13.4	21.4
8 29	20 3.34	−26 52.2	1.165	2.051	18.0	21.6

59014 1998 SC_{74} 7 28.3 269°.62 1°.5/27.5 18 R

6 20	20 58.55	−19 51.4	1.725	2.567	15.6	20.4
6 30	20 54.69	−20 26.1	1.628	2.548	12.2	20.1
7 10	20 48.18	−21 10.2	1.552	2.528	8.3	19.8
7 20	20 39.45	−21 59.5	1.500	2.507	3.9	19.5
7 30	20 29.38	−22 48.2	1.474	2.487	1.9	19.4
8 9	20 19.20	−23 30.7	1.474	2.466	6.3	19.6
8 19	20 10.14	−24 2.8	1.499	2.445	10.8	19.8
8 29	20 3.31	−24 22.7	1.547	2.423	14.9	20.0

178668 2000 QL_{148} 7 28.3 349°.45 2°.6/27.1 18

6 20	20 58.72	−25 28.7	1.946	2.788	14.0	19.5
6 30	20 54.25	−25 40.1	1.867	2.786	10.9	19.3
7 10	20 47.46	−25 52.9	1.811	2.785	7.4	19.1
7 20	20 38.92	−26 3.0	1.778	2.783	3.9	18.8
7 30	20 29.53	−26 6.6	1.773	2.782	2.8	18.8
8 9	20 20.36	−26 1.1	1.794	2.781	5.9	19.0
8 19	20 12.42	−25 45.5	1.841	2.780	9.6	19.2
8 29	20 6.54	−25 20.7	1.911	2.780	12.8	19.4

112523 2002 PF_{30} 7 28.3 59°.01 1°.9/29.3 17

6 20	20 58.24	−12 58.5	1.339	2.183	19.1	20.0
6 30	20 54.48	−13 4.5	1.280	2.197	15.1	19.8
7 10	20 47.88	−13 25.6	1.241	2.212	10.4	19.6
7 20	20 39.17	−13 59.1	1.222	2.227	5.4	19.3
7 30	20 29.49	−14 40.3	1.228	2.242	2.0	19.1
8 9	20 20.21	−15 23.7	1.259	2.257	6.0	19.4
8 19	20 12.56	−16 4.1	1.314	2.273	10.7	19.8
8 29	20 7.49	−16 38.0	1.390	2.289	14.9	20.0

153282 2001 DE_{69} 7 28.3 144°.24 2°.3/30.2 18

6 20	20 52.99	− 9 19.3	2.519	3.319	12.4	20.2
6 30	20 49.18	− 9 33.3	2.433	3.321	10.0	20.0
7 10	20 43.76	− 9 58.5	2.369	3.324	7.1	19.8
7 20	20 37.14	−10 33.5	2.331	3.327	4.2	19.6
7 30	20 29.90	−11 16.1	2.320	3.329	2.3	19.5
8 9	20 22.74	−12 3.0	2.337	3.332	4.1	19.6
8 19	20 16.34	−12 51.0	2.382	3.334	7.0	19.8
8 29	20 11.28	−13 37.0	2.453	3.336	9.8	20.0

285192 1996 VO_{13} 7 28.3 3°.49 1°.7/29.0 17

6 20	20 54.24	−14 35.3	1.137	2.003	20.3	20.6
6 30	20 52.03	−14 31.4	1.071	2.002	16.1	20.3
7 10	20 46.65	−14 42.4	1.023	2.001	11.1	20.0
7 20	20 38.76	−15 6.3	0.995	2.002	5.6	19.8
7 30	20 29.57	−15 38.5	0.990	2.004	1.8	19.5
8 9	20 20.65	−16 13.1	1.006	2.007	6.7	19.8
8 19	20 13.46	−16 45.0	1.045	2.010	12.1	20.1
8 29	20 9.14	−17 10.2	1.104	2.015	16.8	20.4

511694 2015 BM_{537} 7 28.3 340°.25 8°.4/22.5 18

6 20	20 55.45	−33 22.6	1.533	2.397	16.0	19.8
6 30	20 52.88	−35 11.8	1.465	2.389	13.0	19.6
7 10	20 47.25	−37 1.6	1.418	2.381	10.1	19.4
7 20	20 39.09	−38 41.8	1.394	2.374	8.4	19.3
7 30	20 29.49	−40 1.4	1.394	2.368	9.1	19.3
8 9	20 19.95	−40 53.4	1.418	2.362	11.6	19.4
8 19	20 11.96	−41 15.5	1.463	2.357	14.7	19.6
8 29	20 6.74	−41 9.7	1.527	2.353	17.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429543 2011 CG_7			7 28.3 173°.37		0°.1/28.3 17	
	h m	° ′			°	m
6 20	20 59.97	−17 19.9	1.949	2.775	14.6	21.8
6 30	20 55.15	−17 39.0	1.868	2.778	11.5	21.6
7 10	20 48.06	−18 6.3	1.809	2.780	7.7	21.4
7 20	20 39.22	−18 38.8	1.775	2.781	3.6	21.1
7 30	20 29.49	−19 12.5	1.768	2.782	0.7	20.9
8 9	20 19.91	−19 43.3	1.788	2.783	5.0	21.2
8 19	20 11.47	−20 8.4	1.836	2.783	9.0	21.4
8 29	20 5.01	−20 26.2	1.907	2.783	12.5	21.7
514526 2016 WU_{56}			7 28.3 226°.15		0°.4/28.0 18	
6 20	20 54.19	−17 14.2	2.655	3.475	11.3	21.9
6 30	20 50.17	−17 54.0	2.560	3.467	8.9	21.7
7 10	20 44.48	−18 41.3	2.489	3.459	5.9	21.5
7 20	20 37.51	−19 33.3	2.444	3.451	2.7	21.3
7 30	20 29.84	−20 26.5	2.428	3.442	0.8	21.1
8 9	20 22.16	−21 17.1	2.440	3.433	4.1	21.4
8 19	20 15.19	−22 2.2	2.481	3.424	7.2	21.6
8 29	20 9.57	−22 39.7	2.548	3.415	10.1	21.7
45453 2000 AB_{193}			7 28.3 289°.49		7°.6/ 1.7 18	
6 20	20 55.20	+ 2 58.1	2.443	3.180	14.4	18.4
6 30	20 50.98	+ 4 3.5	2.352	3.176	12.5	18.2
7 10	20 45.04	+ 4 54.8	2.280	3.171	10.5	18.1
7 20	20 37.77	+ 5 29.6	2.232	3.166	8.6	17.9
7 30	20 29.79	+ 5 46.0	2.208	3.161	7.6	17.9
8 9	20 21.84	+ 5 44.6	2.210	3.156	7.9	17.9
8 19	20 14.63	+ 5 27.2	2.238	3.151	9.4	18.0
8 29	20 8.83	+ 4 57.4	2.289	3.146	11.4	18.1
225144 2008 FT_{128}			7 28.3 330°.18		5°.9/30.9 17	
6 20	20 49.18	− 6 55.3	1.185	2.036	20.6	19.7
6 30	20 48.15	− 6 27.7	1.099	2.014	17.2	19.4
7 10	20 44.19	− 6 21.0	1.030	1.993	13.0	19.1
7 20	20 37.75	− 6 37.8	0.979	1.973	8.7	18.8
7 30	20 29.77	− 7 17.5	0.949	1.954	5.9	18.6
8 9	20 21.65	− 8 15.6	0.941	1.937	8.0	18.7
8 19	20 14.87	− 9 25.1	0.954	1.921	12.6	18.9
8 29	20 10.74	−10 37.3	0.986	1.907	17.4	19.1
185077 2006 RL_{71}			7 28.3 223°.11		0°.1/28.4 17	R
6 20	20 58.99	−17 1.8	1.574	2.415	16.8	21.0
6 30	20 54.97	−17 16.8	1.496	2.413	13.2	20.8
7 10	20 48.26	−17 42.3	1.437	2.411	9.0	20.5
7 20	20 39.43	−18 14.7	1.402	2.409	4.2	20.2
7 30	20 29.47	−18 49.6	1.392	2.407	0.8	20.0
8 9	20 19.66	−19 22.0	1.408	2.404	5.8	20.3
8 19	20 11.21	−19 48.2	1.449	2.402	10.5	20.6
8 29	20 5.13	−20 6.2	1.512	2.399	14.6	20.8
248146 2004 TY_{118}			7 28.3 219°.30		1°.0/29.0 18	
6 20	20 54.92	−14 48.9	2.631	3.443	11.7	20.9
6 30	20 50.66	−14 52.9	2.538	3.438	9.2	20.7
7 10	20 44.76	−15 3.8	2.468	3.433	6.3	20.5
7 20	20 37.63	−15 20.1	2.424	3.427	3.2	20.3
7 30	20 29.85	−15 39.7	2.408	3.422	1.0	20.1
8 9	20 22.13	−16 0.3	2.421	3.416	3.8	20.3
8 19	20 15.16	−16 19.7	2.461	3.410	7.0	20.5
8 29	20 9.55	−16 36.3	2.527	3.404	9.8	20.7
163106 2002 AE_{140}			7 28.3 128°.11		1°.6/29.1 17	
6 20	20 59.96	−13 43.6	1.462	2.299	18.1	20.6
6 30	20 55.78	−13 49.3	1.391	2.304	14.4	20.3
7 10	20 48.81	−14 8.6	1.339	2.309	9.9	20.1
7 20	20 39.67	−14 38.8	1.310	2.314	5.1	19.8
7 30	20 29.44	−15 15.8	1.305	2.319	1.7	19.6
8 9	20 19.44	−15 54.6	1.326	2.323	5.9	19.9
8 19	20 10.94	−16 30.5	1.371	2.327	10.6	20.2
8 29	20 4.93	−17 0.3	1.439	2.331	14.8	20.5
33191 Santiagostone			7 28.3 214°.85		3°.8/31.2 18	
6 20	20 53.66	− 5 27.6	2.348	3.135	13.6	19.5
6 30	20 49.86	− 5 28.3	2.257	3.132	11.2	19.3
7 10	20 44.32	− 5 42.7	2.187	3.129	8.4	19.2
7 20	20 37.46	− 6 10.5	2.141	3.125	5.6	19.0
7 30	20 29.89	− 6 50.0	2.121	3.122	3.8	18.9
8 9	20 22.36	− 7 38.4	2.130	3.119	5.0	18.9
8 19	20 15.61	− 8 31.7	2.165	3.115	7.7	19.1
8 29	20 10.30	− 9 26.2	2.226	3.111	10.6	19.3
39711 1996 TW_{53}			7 28.3 317°.22		17°.8/ 9.8 18	
6 20	20 48.14	+18 6.7	1.325	2.041	25.3	18.1
6 30	20 47.23	+19 19.0	1.233	2.014	23.8	17.9
7 10	20 43.58	+19 55.5	1.151	1.988	22.0	17.7
7 20	20 37.50	+19 45.7	1.082	1.962	20.1	17.4
7 30	20 29.83	+18 40.5	1.028	1.937	18.5	17.2
8 9	20 21.82	+16 36.9	0.992	1.912	17.8	17.1
8 19	20 14.89	+13 39.8	0.975	1.889	18.4	17.1
8 29	20 10.43	+10 2.6	0.976	1.867	20.3	17.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367469 2009 DJ_{33}			7 28.3 69°.27		3°.0/30.0 17	
	h m	° ′			°	m
6 20	20 57.63	− 9 11.5	1.340	2.174	19.6	20.9
6 30	20 54.00	− 9 30.7	1.282	2.190	15.7	20.7
7 10	20 47.60	−10 9.8	1.241	2.206	11.1	20.5
7 20	20 39.08	−11 6.2	1.221	2.222	6.2	20.2
7 30	20 29.58	−12 14.6	1.226	2.238	3.0	20.1
8 9	20 20.43	−13 27.7	1.256	2.254	6.1	20.3
8 19	20 12.86	−14 38.4	1.310	2.270	10.7	20.6
8 29	20 7.82	−15 41.4	1.386	2.286	14.8	20.9
154809 2004 PW_{105}			7 28.3 95°.26		6°.1/ 1.9 18	
6 20	20 55.35	+ 0 32.9	1.847	2.619	17.3	19.3
6 30	20 51.52	+ 0 25.9	1.774	2.632	14.5	19.2
7 10	20 45.58	− 0 3.1	1.720	2.645	11.4	19.0
7 20	20 38.08	− 0 54.3	1.688	2.658	8.2	18.8
7 30	20 29.79	− 2 5.3	1.681	2.670	6.2	18.7
8 9	20 21.68	− 3 31.1	1.701	2.683	6.8	18.8
8 19	20 14.64	− 5 5.0	1.746	2.695	9.4	19.0
8 29	20 9.45	− 6 40.0	1.817	2.707	12.4	19.2
440997 2007 DR_{35}			7 28.3 194°.25		2°.4/26.7 18	
6 20	20 57.84	−26 1.4	2.722	3.549	10.9	21.9
6 30	20 52.93	−26 23.9	2.637	3.547	8.5	21.7
7 10	20 46.28	−26 47.2	2.576	3.545	5.8	21.6
7 20	20 38.34	−27 8.3	2.541	3.543	3.2	21.4
7 30	20 29.75	−27 23.8	2.534	3.540	2.6	21.3
8 9	20 21.29	−27 31.4	2.556	3.537	4.9	21.5
8 19	20 13.68	−27 30.2	2.606	3.534	7.6	21.7
8 29	20 7.56	−27 20.1	2.681	3.530	10.2	21.8
349729 2008 YF_{80}			7 28.3 138°.20		1°.1/29.1 17	
6 20	20 55.63	−13 35.9	2.045	2.867	14.2	21.4
6 30	20 51.66	−13 55.1	1.965	2.870	11.2	21.2
7 10	20 45.67	−14 25.0	1.905	2.872	7.7	21.0
7 20	20 38.13	−15 3.4	1.871	2.875	3.9	20.8
7 30	20 29.80	−15 46.7	1.863	2.877	1.2	20.6
8 9	20 21.59	−16 30.9	1.883	2.880	4.6	20.9
8 19	20 14.36	−17 12.4	1.930	2.882	8.3	21.1
8 29	20 8.88	−17 48.3	2.001	2.884	11.7	21.3
59046 1998 TW_{17}			7 28.3 265°.99		1°.1/27.8 18	
6 20	20 58.38	−19 1.8	1.719	2.560	15.6	19.7
6 30	20 54.52	−19 32.4	1.625	2.544	12.3	19.4
7 10	20 48.05	−20 12.6	1.552	2.527	8.3	19.1
7 20	20 39.42	−20 58.5	1.503	2.511	3.9	18.8
7 30	20 29.52	−21 44.7	1.480	2.494	1.5	18.6
8 9	20 19.55	−22 25.9	1.483	2.476	6.0	18.9
8 19	20 10.72	−22 57.8	1.511	2.459	10.6	19.1
8 29	20 4.12	−23 18.6	1.562	2.441	14.6	19.3
439521 2014 BW_{46}			7 28.4 341°.78		2°.0/27.7 18	
6 20	21 2.28	−25 1.0	1.649	2.494	16.0	20.1
6 30	20 57.45	−24 47.1	1.570	2.490	12.5	19.9
7 10	20 49.85	−24 33.3	1.511	2.486	8.5	19.7
7 20	20 40.15	−24 16.2	1.476	2.482	4.2	19.4
7 30	20 29.42	−23 52.4	1.466	2.479	2.3	19.3
8 9	20 19.00	−23 20.3	1.484	2.476	6.2	19.5
8 19	20 10.10	−22 40.1	1.526	2.473	10.5	19.8
8 29	20 3.67	−21 53.6	1.592	2.471	14.4	20.0
505696 2014 YD_5			7 28.4 251°.12		1°.1/27.8 17	
6 20	20 59.33	−18 40.0	1.640	2.481	16.3	21.8
6 30	20 55.38	−19 15.3	1.549	2.468	12.8	21.6
7 10	20 48.69	−20 1.3	1.480	2.455	8.7	21.3
7 20	20 39.75	−20 53.8	1.433	2.441	4.0	21.0
7 30	20 29.48	−21 46.7	1.413	2.427	1.6	20.8
8 9	20 19.16	−22 34.2	1.418	2.412	6.3	21.1
8 19	20 10.06	−23 11.6	1.449	2.397	10.9	21.3
8 29	20 3.31	−23 36.8	1.503	2.382	15.1	21.5
474135 1995 SX_{73}			7 28.4 256°.09		1°.0/27.8 18	
6 20	20 58.52	−19 55.2	2.068	2.899	13.7	22.5
6 30	20 54.15	−20 17.6	1.969	2.882	10.8	22.2
7 10	20 47.53	−20 46.6	1.892	2.865	7.3	22.0
7 20	20 39.10	−21 18.9	1.840	2.848	3.4	21.7
7 30	20 29.62	−21 50.5	1.816	2.830	1.4	21.5
8 9	20 20.11	−22 17.4	1.819	2.811	5.3	21.8
8 19	20 11.55	−22 36.9	1.849	2.793	9.2	22.0
8 29	20 4.86	−22 47.5	1.902	2.774	12.8	22.2
129474 1993 TF_{16}			7 28.4 349°.61		7°.6/ 1.6 18	
6 20	20 48.97	− 1 50.6	1.386	2.205	19.8	18.9
6 30	20 47.40	− 1 16.5	1.307	2.196	16.8	18.7
7 10	20 43.32	− 1 5.2	1.246	2.188	13.3	18.5
7 20	20 37.22	− 1 19.4	1.203	2.181	9.9	18.2
7 30	20 29.99	− 1 59.2	1.183	2.175	7.7	18.1
8 9	20 22.82	− 3 0.7	1.185	2.171	8.5	18.1
8 19	20 16.87	− 4 17.0	1.209	2.168	11.5	18.3
8 29	20 13.13	− 5 40.0	1.255	2.166	15.2	18.5

107866 2001 FE_{84} 7 28.4 6°.66 5°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.71	−29 10.2	1.164	2.040	19.2	19.5
6 30	20 55.81	−29 48.3	1.104	2.040	15.2	19.2
7 10	20 49.34	−30 26.6	1.063	2.041	10.8	19.0
7 20	20 40.07	−30 56.6	1.042	2.043	6.9	18.8
7 30	20 29.45	−31 10.2	1.044	2.046	6.3	18.7
8 9	20 19.31	−31 2.6	1.068	2.050	9.7	18.9
8 19	20 11.27	−30 34.0	1.113	2.055	14.1	19.2
8 29	20 6.49	−29 47.8	1.177	2.061	18.1	19.5

308598 2005 VY_{62} 7 28.4 116°.43 8°.3/22.4 18

6 20	21 4.26	−43 53.2	2.382	3.196	12.7	20.5
6 30	20 58.62	−45 0.8	2.327	3.204	10.8	20.3
7 10	20 50.43	−45 58.9	2.293	3.212	9.2	20.2
7 20	20 40.35	−46 40.9	2.283	3.220	8.4	20.2
7 30	20 29.41	−47 1.4	2.299	3.227	8.6	20.2
8 9	20 18.81	−46 58.3	2.339	3.235	9.9	20.3
8 19	20 9.68	−46 32.5	2.403	3.242	11.6	20.5
8 29	20 2.86	−45 47.4	2.488	3.249	13.4	20.6

39749 1997 BW_6 7 28.4 218°.57 0°.3/28.2 18

6 20	20 57.77	−17 37.0	2.106	2.932	13.7	19.7
6 30	20 53.40	−18 3.5	2.016	2.926	10.7	19.5
7 10	20 46.92	−18 38.1	1.948	2.919	7.2	19.3
7 20	20 38.77	−19 17.9	1.905	2.912	3.4	19.0
7 30	20 29.71	−19 58.9	1.890	2.905	0.8	18.8
8 9	20 20.69	−20 36.9	1.903	2.897	4.9	19.1
8 19	20 12.64	−21 8.8	1.942	2.889	8.7	19.3
8 29	20 6.37	−21 32.6	2.006	2.880	12.1	19.5

137845 2000 AT_{37} 7 28.4 248°.48 1°.0/27.8 18 R

6 20	21 0.46	−19 36.0	1.821	2.655	15.2	21.2
6 30	20 56.00	−19 58.0	1.725	2.640	11.9	20.9
7 10	20 48.97	−20 27.8	1.650	2.624	8.1	20.6
7 20	20 39.84	−21 1.7	1.600	2.607	3.8	20.4
7 30	20 29.50	−21 35.0	1.576	2.590	1.4	20.1
8 9	20 19.10	−22 3.2	1.580	2.573	5.8	20.4
8 19	20 9.83	−22 23.1	1.609	2.555	10.2	20.6
8 29	20 2.72	−22 33.3	1.661	2.536	14.1	20.8

129462 1993 FU_9 7 28.4 11°.96 8°.4/ 3.2 18

6 20	20 46.70	+ 1 40.5	1.173	1.996	22.5	18.4
6 30	20 45.86	+ 1 50.9	1.114	2.001	19.1	18.2
7 10	20 42.35	+ 1 29.1	1.070	2.009	15.3	18.0
7 20	20 36.76	+ 0 33.0	1.044	2.018	11.5	17.8
7 30	20 30.13	− 0 54.9	1.038	2.028	8.8	17.7
8 9	20 23.75	− 2 46.5	1.054	2.041	9.0	17.8
8 19	20 18.79	− 4 50.6	1.092	2.055	11.9	18.0
8 29	20 16.24	− 6 55.2	1.151	2.071	15.5	18.2

336949 2011 HL_{81} 7 28.4 145°.19 0°.5/28.8 18

6 20	20 57.49	−13 6.0	2.031	2.848	14.4	21.0
6 30	20 53.14	−13 57.5	1.953	2.856	11.3	20.8
7 10	20 46.70	−15 2.0	1.897	2.864	7.7	20.6
7 20	20 38.65	−16 15.8	1.867	2.872	3.7	20.4
7 30	20 29.76	−17 33.8	1.864	2.878	0.7	20.2
8 9	20 20.98	−18 50.1	1.889	2.885	4.7	20.5
8 19	20 13.22	−20 0.0	1.942	2.891	8.6	20.7
8 29	20 7.25	−20 59.9	2.020	2.896	11.9	21.0

119893 2002 CF_{272} 7 28.4 134°.21 2°.7/26.2 18

6 20	20 55.46	−24 5.6	2.324	3.161	12.2	19.7
6 30	20 51.45	−25 2.7	2.247	3.164	9.5	19.5
7 10	20 45.50	−26 4.0	2.193	3.166	6.4	19.3
7 20	20 38.07	−27 4.8	2.166	3.169	3.6	19.1
7 30	20 29.88	−28 0.0	2.166	3.171	3.1	19.1
8 9	20 21.78	−28 45.7	2.194	3.173	5.7	19.3
8 19	20 14.60	−29 19.1	2.248	3.175	8.7	19.5
8 29	20 9.07	−29 39.6	2.327	3.178	11.5	19.6

480659 2015 OW_{34} 7 28.4 112°.35 1°.3/27.4 18

6 20	20 54.93	−19 17.5	2.227	3.059	12.8	21.1
6 30	20 51.05	−20 8.9	2.149	3.063	9.9	20.9
7 10	20 45.23	−21 7.8	2.094	3.067	6.6	20.7
7 20	20 37.95	−22 10.1	2.064	3.071	3.1	20.5
7 30	20 29.91	−23 11.1	2.063	3.075	1.7	20.4
8 9	20 21.97	−24 6.2	2.089	3.079	4.9	20.7
8 19	20 14.95	−24 51.9	2.143	3.083	8.3	20.9
8 29	20 9.57	−25 26.7	2.221	3.087	11.4	21.1

440366 2004 XS_{80} 7 28.4 258°.88 13°.4/ 1.4 18

6 20	21 3.15	+13 41.6	2.183	2.841	17.9	20.4
6 30	20 57.75	+15 56.3	2.085	2.825	16.5	20.2
7 10	20 50.03	+17 54.9	2.005	2.808	15.1	20.1
7 20	20 40.35	+19 30.6	1.947	2.790	14.0	20.0
7 30	20 29.41	+20 37.3	1.910	2.773	13.4	19.9
8 9	20 18.20	+21 12.0	1.897	2.754	13.6	19.9
8 19	20 7.75	+21 15.0	1.906	2.736	14.6	19.9
8 29	19 59.05	+20 50.5	1.935	2.717	16.0	20.0

346653 2008 XC_{55} 7 28.4 320°.73 1°.2/28.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.58	−15 30.9	1.792	2.623	15.5	20.3
6 30	20 53.51	−15 22.5	1.710	2.620	12.3	20.1
7 10	20 47.10	−15 22.9	1.648	2.618	8.4	19.9
7 20	20 38.89	−15 30.3	1.610	2.615	4.2	19.6
7 30	20 29.73	−15 42.1	1.598	2.612	1.3	19.4
8 9	20 20.72	−15 55.3	1.613	2.610	5.1	19.6
8 19	20 12.88	−16 7.2	1.653	2.608	9.3	19.9
8 29	20 7.07	−16 15.8	1.717	2.605	13.0	20.1

210114 2006 RN_1 7 28.4 343°.75 4°.1/25.7 18

6 20	20 50.99	−22 45.2	1.428	2.299	16.6	19.1
6 30	20 49.27	−24 5.9	1.351	2.287	13.0	18.8
7 10	20 44.77	−25 37.7	1.295	2.277	8.9	18.5
7 20	20 37.99	−27 13.0	1.262	2.267	5.0	18.3
7 30	20 29.89	−28 42.3	1.252	2.259	4.6	18.3
8 9	20 21.82	−29 57.0	1.268	2.251	8.3	18.5
8 19	20 15.09	−30 51.3	1.306	2.245	12.6	18.7
8 29	20 10.85	−31 23.4	1.364	2.240	16.5	18.9

509560 2008 CG_{10} 7 28.4 97°.53 4°.0/ 1.1 17

6 20	20 54.60	− 2 24.0	2.552	3.317	13.2	22.3
6 30	20 50.29	− 2 42.0	2.482	3.340	10.9	22.2
7 10	20 44.44	− 3 14.8	2.432	3.362	8.3	22.0
7 20	20 37.49	− 4 1.5	2.408	3.384	5.7	21.9
7 30	20 30.03	− 4 59.8	2.410	3.405	4.0	21.8
8 9	20 22.75	− 6 6.1	2.442	3.427	4.8	21.9
8 19	20 16.27	− 7 16.3	2.501	3.447	7.0	22.1
8 29	20 11.13	− 8 26.4	2.587	3.468	9.5	22.3

198338 2004 UB_5 7 28.4 210°.90 2°.7/26.6 18

6 20	20 59.68	−24 17.8	2.175	3.008	13.1	20.9
6 30	20 54.93	−25 0.6	2.088	3.002	10.2	20.7
7 10	20 47.97	−25 47.3	2.024	2.996	7.0	20.5
7 20	20 39.28	−26 33.5	1.985	2.989	3.8	20.3
7 30	20 29.67	−27 13.9	1.974	2.982	3.0	20.3
8 9	20 20.11	−27 44.6	1.992	2.974	5.9	20.4
8 19	20 11.57	−28 3.2	2.035	2.966	9.3	20.6
8 29	20 4.91	−28 9.4	2.103	2.957	12.4	20.8

153277 2001 DY_{40} 7 28.4 154°.55 1°.9/26.9 18

6 20	20 56.61	−24 2.6	2.730	3.556	10.9	20.6
6 30	20 51.95	−24 29.1	2.651	3.561	8.4	20.5
7 10	20 45.62	−24 57.7	2.595	3.566	5.7	20.3
7 20	20 38.07	−25 25.2	2.566	3.570	2.9	20.1
7 30	20 29.92	−25 48.7	2.566	3.575	2.1	20.1
8 9	20 21.92	−26 5.5	2.594	3.578	4.5	20.2
8 19	20 14.74	−26 14.3	2.650	3.582	7.3	20.4
8 29	20 9.00	−26 14.7	2.731	3.585	9.9	20.6

4097 Tsurugisan 7 28.4 329°.05 4°.1/26.7 18

6 20	20 56.46	−24 37.8	1.138	2.017	19.4	16.4
6 30	20 54.28	−25 12.7	1.065	2.004	15.3	16.1
7 10	20 48.55	−25 54.3	1.010	1.992	10.6	15.8
7 20	20 39.87	−26 35.6	0.974	1.981	5.7	15.5
7 30	20 29.53	−27 7.9	0.961	1.971	4.5	15.4
8 9	20 19.32	−27 24.5	0.970	1.961	9.0	15.6
8 19	20 10.97	−27 22.3	1.001	1.953	14.1	15.9
8 29	20 5.86	−27 2.2	1.050	1.945	18.8	16.1

261825 2006 CP_{62} 7 28.4 186°.83 0°.4/28.1 18

6 20	20 54.46	−18 21.7	2.799	3.618	10.8	21.8
6 30	20 50.24	−18 46.0	2.712	3.618	8.4	21.6
7 10	20 44.48	−19 15.7	2.647	3.617	5.6	21.5
7 20	20 37.55	−19 48.4	2.610	3.616	2.6	21.3
7 30	20 30.03	−20 21.3	2.601	3.615	0.7	21.1
8 9	20 22.58	−20 51.8	2.621	3.614	3.8	21.3
8 19	20 15.84	−21 17.5	2.669	3.612	6.8	21.5
8 29	20 10.40	−21 37.2	2.742	3.610	9.4	21.7

391710 2008 CM_{14} 7 28.4 37°.58 0°.4/28.6 18

6 20	20 53.48	−14 24.3	1.908	2.740	14.6	20.3
6 30	20 50.14	−15 4.3	1.836	2.748	11.5	20.1
7 10	20 44.73	−15 56.0	1.785	2.756	7.8	19.9
7 20	20 37.75	−16 56.2	1.759	2.765	3.7	19.7
7 30	20 29.99	−17 59.9	1.759	2.774	0.7	19.5
8 9	20 22.39	−19 1.9	1.786	2.783	4.8	19.8
8 19	20 15.83	−19 57.9	1.840	2.792	8.7	20.0
8 29	20 11.08	−20 44.7	1.917	2.802	12.1	20.3

185930 2000 TL_{67} 7 28.4 258°.17 4°.7/31.6 18

6 20	20 53.76	− 3 50.2	2.322	3.102	13.9	20.7
6 30	20 50.02	− 3 33.8	2.227	3.095	11.6	20.5
7 10	20 44.51	− 3 31.2	2.153	3.087	8.9	20.3
7 20	20 37.64	− 3 42.9	2.103	3.080	6.3	20.1
7 30	20 30.03	− 4 8.1	2.078	3.072	4.7	20.0
8 9	20 22.43	− 4 44.7	2.081	3.064	5.6	20.1
8 19	20 15.60	− 5 29.2	2.110	3.056	8.1	20.2
8 29	20 10.21	− 6 17.8	2.164	3.048	10.9	20.4

14745 2154 *P–L* 7 28.4 213°.58 6°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.64	+ 0 26.2	2.307	3.064	14.7	19.6
6 30	20 50.70	+ 0 47.3	2.214	3.060	12.5	19.4
7 10	20 44.97	+ 0 52.2	2.141	3.055	10.0	19.2
7 20	20 37.85	+ 0 39.6	2.091	3.050	7.6	19.1
7 30	20 29.99	+ 0 9.8	2.066	3.045	6.2	19.0
8 9	20 22.14	− 0 34.9	2.068	3.039	6.6	19.0
8 19	20 15.08	− 1 30.9	2.096	3.034	8.7	19.1
8 29	20 9.48	− 2 33.6	2.150	3.028	11.2	19.3

514498 2016 WL_{19} 7 28.4 188°.33 2°.0/26.8 18

6 20	20 55.94	−23 52.6	2.699	3.528	11.0	22.2
6 30	20 51.52	−24 25.6	2.615	3.527	8.5	22.0
7 10	20 45.40	−25 1.3	2.555	3.526	5.7	21.8
7 20	20 38.01	−25 36.4	2.521	3.525	3.0	21.6
7 30	20 29.98	−26 7.5	2.515	3.524	2.2	21.6
8 9	20 22.04	−26 31.8	2.538	3.522	4.7	21.8
8 19	20 14.89	−26 47.4	2.589	3.520	7.5	21.9
8 29	20 9.17	−26 53.9	2.664	3.518	10.1	22.1

494285 2016 RD_{13} 7 28.4 226°.19 1°.5/29.2 18

6 20	20 57.99	−14 11.9	1.987	2.808	14.6	22.1
6 30	20 53.64	−14 8.9	1.899	2.803	11.6	21.8
7 10	20 47.12	−14 15.2	1.832	2.798	8.0	21.6
7 20	20 38.91	−14 29.2	1.789	2.793	4.2	21.4
7 30	20 29.80	−14 48.3	1.774	2.787	1.5	21.2
8 9	20 20.77	−15 9.5	1.785	2.781	4.8	21.4
8 19	20 12.77	−15 29.9	1.823	2.775	8.7	21.6
8 29	20 6.62	−15 47.4	1.885	2.769	12.3	21.8

312769 2010 UP_{30} 7 28.4 57°.58 0°.5/28.7 18

6 20	20 55.84	−16 41.0	2.171	2.997	13.3	20.4
6 30	20 51.65	−16 44.0	2.098	3.007	10.4	20.3
7 10	20 45.56	−16 53.9	2.047	3.017	7.0	20.1
7 20	20 38.09	−17 8.6	2.021	3.027	3.4	19.9
7 30	20 29.98	−17 25.4	2.023	3.038	0.7	19.7
8 9	20 22.07	−17 41.6	2.052	3.048	4.3	20.0
8 19	20 15.17	−17 55.1	2.108	3.059	7.8	20.2
8 29	20 9.93	−18 4.3	2.188	3.069	10.9	20.4

81266 2000 FT_{45} 7 28.4 187°.72 0°.3/28.6 18

6 20	20 57.82	−14 57.3	1.790	2.620	15.6	20.0
6 30	20 53.78	−15 33.1	1.709	2.620	12.3	19.8
7 10	20 47.36	−16 21.4	1.649	2.619	8.3	19.6
7 20	20 39.07	−17 18.5	1.612	2.619	4.0	19.3
7 30	20 29.77	−18 19.5	1.603	2.617	0.7	19.0
8 9	20 20.55	−19 18.6	1.620	2.616	5.3	19.4
8 19	20 12.47	−20 11.3	1.663	2.614	9.5	19.6
8 29	20 6.44	−20 54.4	1.731	2.612	13.3	19.8

254523 2005 EC_{112} 7 28.4 92°.40 3°.4/26.8 17

6 20	21 2.04	−24 28.3	1.477	2.330	17.2	20.4
6 30	20 57.53	−25 9.0	1.415	2.339	13.4	20.2
7 10	20 50.06	−25 54.1	1.373	2.349	9.1	20.0
7 20	20 40.33	−26 37.2	1.354	2.359	4.9	19.7
7 30	20 29.55	−27 11.6	1.360	2.368	3.8	19.7
8 9	20 19.15	−27 32.2	1.392	2.378	7.4	19.9
8 19	20 10.44	−27 37.3	1.447	2.387	11.6	20.2
8 29	20 4.43	−27 27.9	1.525	2.396	15.3	20.5

35733 1999 GW_{8} 7 28.4 134°.73 1°.4/27.6 18

6 20	20 59.47	−18 39.5	1.468	2.316	17.5	19.2
6 30	20 55.58	−19 23.3	1.397	2.320	13.6	18.9
7 10	20 48.83	−20 18.5	1.346	2.323	9.1	18.7
7 20	20 39.82	−21 19.6	1.318	2.326	4.2	18.4
7 30	20 29.63	−22 19.6	1.316	2.329	1.9	18.3
8 9	20 19.64	−23 12.0	1.339	2.332	6.5	18.6
8 19	20 11.15	−23 52.1	1.386	2.335	11.2	18.8
8 29	20 5.22	−24 18.2	1.455	2.337	15.3	19.1

488351 2016 WL_{10} 7 28.4 167°.40 4°.4/31.6 18

6 20	20 54.31	− 4 6.1	2.465	3.241	13.3	21.4
6 30	20 50.27	− 3 50.7	2.378	3.243	11.0	21.2
7 10	20 44.58	− 3 48.1	2.312	3.245	8.5	21.1
7 20	20 37.64	− 3 58.7	2.269	3.246	5.9	20.9
7 30	20 30.07	− 4 21.6	2.254	3.247	4.4	20.8
8 9	20 22.58	− 4 54.5	2.266	3.248	5.3	20.9
8 19	20 15.84	− 5 34.3	2.305	3.249	7.6	21.0
8 29	20 10.49	− 6 17.7	2.369	3.250	10.2	21.2

393796 2005 NV_{13} 7 28.4 340°.41 1°.1/29.0 18

6 20	20 54.71	−14 47.7	1.957	2.787	14.4	21.7
6 30	20 51.11	−14 53.9	1.874	2.783	11.4	21.5
7 10	20 45.42	−15 9.8	1.811	2.780	7.8	21.3
7 20	20 38.12	−15 33.2	1.773	2.777	3.9	21.0
7 30	20 29.98	−16 1.2	1.761	2.775	1.1	20.8
8 9	20 21.94	−16 30.3	1.775	2.773	4.7	21.1
8 19	20 14.90	−16 57.3	1.816	2.771	8.6	21.3
8 29	20 9.67	−17 19.8	1.881	2.769	12.1	21.5

13994 Tuominen 7 28.4 308°.42 6°.1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.19	−28 39.2	1.411	2.276	17.1	17.9
6 30	20 55.18	−29 46.4	1.333	2.263	13.6	17.7
7 10	20 48.95	−30 57.8	1.275	2.249	9.8	17.4
7 20	20 40.04	−32 4.6	1.238	2.236	6.6	17.2
7 30	20 29.58	−32 57.5	1.226	2.223	6.6	17.2
8 9	20 19.16	−33 29.2	1.237	2.211	9.8	17.3
8 19	20 10.34	−33 37.0	1.271	2.199	13.9	17.5
8 29	20 4.42	−33 22.2	1.325	2.188	17.7	17.7

476217 2007 UP_{112} 7 28.4 303°.74 4°.2/25.9 18

6 20	20 57.74	−27 10.5	1.825	2.675	14.5	21.3
6 30	20 53.92	−27 58.3	1.744	2.666	11.4	21.0
7 10	20 47.56	−28 48.7	1.685	2.658	8.0	20.8
7 20	20 39.20	−29 36.1	1.650	2.650	4.9	20.6
7 30	20 29.76	−30 14.0	1.641	2.643	4.5	20.6
8 9	20 20.42	−30 37.9	1.658	2.635	7.4	20.7
8 19	20 12.33	−30 45.6	1.699	2.628	10.9	20.9
8 29	20 6.44	−30 37.7	1.763	2.620	14.2	21.1

296673 2009 ST_{183} 7 28.4 167°.36 2°.7/29.8 18

6 20	20 59.11	−11 11.0	1.865	2.679	15.7	21.2
6 30	20 54.56	−10 59.6	1.784	2.681	12.6	20.9
7 10	20 47.75	−10 59.9	1.724	2.683	9.0	20.7
7 20	20 39.21	−11 10.9	1.687	2.685	5.1	20.5
7 30	20 29.78	−11 30.5	1.677	2.687	2.7	20.4
8 9	20 20.49	−11 55.6	1.693	2.688	5.3	20.5
8 19	20 12.33	−12 22.9	1.736	2.689	9.1	20.8
8 29	20 6.13	−12 49.3	1.803	2.689	12.6	21.0

121845 2000 CS_{9} 7 28.4 273°.77 1°.3/29.3 18

6 20	20 54.64	−13 39.3	2.538	3.349	12.1	20.8
6 30	20 50.68	−13 44.2	2.430	3.328	9.6	20.6
7 10	20 44.97	−13 57.4	2.344	3.308	6.7	20.4
7 20	20 37.90	−14 17.4	2.285	3.287	3.5	20.1
7 30	20 30.03	−14 42.2	2.252	3.266	1.3	19.9
8 9	20 22.11	−15 9.2	2.249	3.244	4.0	20.1
8 19	20 14.88	−15 35.8	2.273	3.223	7.4	20.3
8 29	20 9.01	−15 59.8	2.322	3.201	10.4	20.4

423869 2006 RY_{31} 7 28.4 234°.69 3°.6/26.6 17

6 20	21 2.59	−25 59.4	1.771	2.613	15.2	22.2
6 30	20 57.80	−26 36.2	1.685	2.603	12.0	21.9
7 10	20 50.26	−27 16.1	1.620	2.593	8.3	21.7
7 20	20 40.50	−27 53.6	1.580	2.582	4.7	21.5
7 30	20 29.53	−28 22.4	1.565	2.571	3.9	21.4
8 9	20 18.62	−28 38.0	1.578	2.560	7.2	21.6
8 19	20 9.06	−28 38.4	1.615	2.548	11.1	21.8
8 29	20 1.88	−28 24.4	1.675	2.535	14.7	22.0

175700 1995 UM_{18} 7 28.4 325°.44 5°.6/25.4 18

6 20	20 59.28	−32 15.0	1.896	2.742	14.2	19.8
6 30	20 55.09	−32 55.1	1.818	2.734	11.3	19.6
7 10	20 48.31	−33 32.8	1.761	2.726	8.4	19.4
7 20	20 39.53	−34 2.3	1.728	2.719	6.0	19.2
7 30	20 29.73	−34 17.7	1.721	2.711	5.9	19.2
8 9	20 20.13	−34 15.6	1.739	2.704	8.2	19.3
8 19	20 11.86	−33 55.5	1.782	2.698	11.3	19.5
8 29	20 5.87	−33 19.3	1.846	2.692	14.2	19.7

131231 2001 DJ_{101} 7 28.4 350°.94 9°.0/23.9 18

6 20	21 3.83	−39 8.8	1.661	2.504	16.0	19.3
6 30	20 59.22	−40 11.4	1.597	2.502	13.3	19.1
7 10	20 51.38	−41 6.2	1.553	2.500	10.7	18.9
7 20	20 41.02	−41 44.4	1.532	2.499	9.1	18.8
7 30	20 29.46	−41 58.1	1.534	2.498	9.3	18.8
8 9	20 18.30	−41 44.0	1.560	2.497	11.2	18.9
8 19	20 9.01	−41 3.4	1.609	2.497	13.9	19.1
8 29	20 2.67	−40 1.2	1.677	2.497	16.6	19.3

392038 2009 BH_{72} 7 28.4 264°.74 2°.3/29.6 18

6 20	20 56.85	−12 19.3	1.972	2.789	14.8	20.7
6 30	20 52.76	−12 7.6	1.884	2.784	11.8	20.5
7 10	20 46.53	−12 6.0	1.817	2.780	8.4	20.3
7 20	20 38.66	−12 13.7	1.775	2.775	4.7	20.1
7 30	20 29.91	−12 28.7	1.759	2.770	2.3	19.9
8 9	20 21.24	−12 48.2	1.769	2.765	5.0	20.1
8 19	20 13.58	−13 9.3	1.806	2.760	8.7	20.3
8 29	20 7.73	−13 29.4	1.867	2.755	12.2	20.5

392179 2009 LZ_{2} 7 28.4 53°.02 4°.4/25.4 18

6 20	20 56.79	−27 52.7	2.004	2.850	13.5	21.0
6 30	20 52.85	−28 57.0	1.937	2.857	10.6	20.8
7 10	20 46.64	−30 3.1	1.892	2.863	7.4	20.6
7 20	20 38.71	−31 4.9	1.873	2.870	4.9	20.5
7 30	20 29.91	−31 56.5	1.880	2.877	4.7	20.5
8 9	20 21.29	−32 33.3	1.913	2.884	7.2	20.6
8 19	20 13.85	−32 53.6	1.972	2.891	10.2	20.8
8 29	20 8.40	−32 57.6	2.053	2.898	13.0	21.0

514758 2007 EH_{55} 7 28.4 274.°87 2.°4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.75	− 8 55.8	2.362	3.165	13.1	21.2
6 30	20 49.25	− 9 14.3	2.268	3.158	10.5	21.0
7 10	20 44.02	− 9 45.4	2.195	3.150	7.6	20.8
7 20	20 37.45	−10 27.9	2.147	3.143	4.5	20.6
7 30	20 30.15	−11 19.2	2.126	3.136	2.4	20.5
8 9	20 22.85	−12 15.8	2.134	3.129	4.3	20.6
8 19	20 16.30	−13 13.7	2.168	3.121	7.5	20.8
8 29	20 11.18	−14 9.1	2.228	3.114	10.6	21.0

52101 2598 P–L 7 28.4 117.°29 2.°6/26.8 18

6 20	20 58.07	−24 7.8	1.962	2.803	14.0	19.0
6 30	20 53.83	−24 42.7	1.885	2.804	10.9	18.8
7 10	20 47.29	−25 21.2	1.831	2.805	7.4	18.6
7 20	20 39.02	−25 58.9	1.801	2.806	3.9	18.4
7 30	20 29.85	−26 30.8	1.798	2.806	3.0	18.3
8 9	20 20.86	−26 53.0	1.822	2.807	6.0	18.5
8 19	20 13.04	−27 3.5	1.871	2.808	9.6	18.7
8 29	20 7.21	−27 2.2	1.944	2.809	12.8	18.9

280043 2002 AC_{37} 7 28.4 166.°73 0.°3/28.2 18

6 20	20 58.95	−17 13.5	2.333	3.150	12.8	21.2
6 30	20 54.05	−17 48.4	2.251	3.155	10.0	21.0
7 10	20 47.21	−18 31.0	2.191	3.160	6.7	20.8
7 20	20 38.92	−19 18.1	2.158	3.164	3.1	20.6
7 30	20 29.88	−20 5.8	2.153	3.168	0.8	20.4
8 9	20 20.94	−20 50.1	2.178	3.171	4.4	20.7
8 19	20 12.92	−21 28.0	2.230	3.173	7.9	20.9
8 29	20 6.54	−21 57.9	2.307	3.174	11.0	21.1

342250 2008 SQ_{286} 7 28.4 209.°04 11.°2/ 5.6 18

6 20	20 55.19	+13 2.7	2.143	2.825	17.6	21.2
6 30	20 51.36	+14 4.7	2.057	2.823	16.0	21.1
7 10	20 45.56	+14 44.4	1.988	2.820	14.2	20.9
7 20	20 38.22	+14 57.7	1.938	2.817	12.5	20.8
7 30	20 30.01	+14 41.9	1.909	2.813	11.4	20.8
8 9	20 21.82	+13 57.9	1.903	2.810	11.2	20.7
8 19	20 14.48	+12 49.2	1.920	2.806	12.1	20.8
8 29	20 8.77	+11 21.8	1.959	2.802	13.6	20.9

255149 2005 UA_{170} 7 28.4 254.°04 5.°1/24.8 18

6 20	20 58.29	−32 18.5	2.324	3.161	12.2	20.6
6 30	20 53.85	−33 11.7	2.246	3.156	9.7	20.4
7 10	20 47.26	−34 3.3	2.190	3.151	7.2	20.2
7 20	20 39.00	−34 48.1	2.159	3.146	5.3	20.1
7 30	20 29.87	−35 20.8	2.155	3.140	5.4	20.1
8 9	20 20.86	−35 38.0	2.178	3.135	7.4	20.2
8 19	20 12.90	−35 38.8	2.226	3.129	9.9	20.4
8 29	20 6.80	−35 24.0	2.297	3.124	12.4	20.5

287258 2002 TN_{123} 7 28.4 260.°06 1.°4/29.1 18

6 20	20 57.92	−14 34.1	2.235	3.049	13.4	20.9
6 30	20 53.48	−14 28.2	2.131	3.032	10.7	20.7
7 10	20 47.00	−14 30.0	2.049	3.013	7.4	20.5
7 20	20 38.90	−14 38.3	1.992	2.995	3.9	20.2
7 30	20 29.89	−14 51.0	1.962	2.976	1.4	20.0
8 9	20 20.82	−15 5.7	1.961	2.957	4.5	20.2
8 19	20 12.60	−15 19.9	1.987	2.937	8.3	20.4
8 29	20 6.02	−15 31.8	2.037	2.917	11.7	20.6

72350 2001 BG_{71} 7 28.4 107.°71 0.°8/28.7 18

6 20	21 1.95	−17 36.9	1.924	2.747	14.9	19.3
6 30	20 56.62	−17 16.2	1.849	2.756	11.7	19.1
7 10	20 49.02	−17 1.0	1.795	2.764	8.0	18.9
7 20	20 39.77	−16 49.7	1.767	2.772	3.9	18.7
7 30	20 29.74	−16 40.4	1.766	2.780	1.0	18.5
8 9	20 20.01	−16 31.1	1.792	2.788	4.9	18.8
8 19	20 11.53	−16 20.6	1.845	2.796	8.8	19.1
8 29	20 5.08	−16 8.1	1.923	2.803	12.2	19.3

424107 2007 EH_{66} 7 28.4 81.°06 4.°8/26.1 17

6 20	21 2.74	−28 48.5	1.652	2.500	15.8	21.5
6 30	20 57.80	−29 33.4	1.595	2.515	12.4	21.4
7 10	20 50.07	−30 18.2	1.559	2.529	8.7	21.2
7 20	20 40.31	−30 56.1	1.546	2.544	5.5	21.0
7 30	20 29.64	−31 20.8	1.559	2.559	5.1	21.0
8 9	20 19.43	−31 28.8	1.598	2.573	7.8	21.2
8 19	20 10.86	−31 19.7	1.661	2.587	11.3	21.5
8 29	20 4.83	−30 55.6	1.747	2.602	14.5	21.7

479784 2014 EP_{44} 7 28.4 7.°92 9.°8/23.5 18

6 20	21 5.10	−42 37.0	1.748	2.582	15.7	20.2
6 30	21 0.15	−43 38.5	1.688	2.582	13.3	20.1
7 10	20 51.94	−44 29.3	1.649	2.583	11.2	19.9
7 20	20 41.26	−45 0.6	1.632	2.584	9.9	19.9
7 30	20 29.46	−45 5.4	1.638	2.586	10.1	19.9
8 9	20 18.17	−44 40.9	1.668	2.588	11.7	20.0
8 19	20 8.84	−43 49.3	1.720	2.591	14.0	20.1
8 29	20 2.48	−42 36.1	1.792	2.594	16.4	20.3

130643 2000 SD_{71} 7 28.4 345.°81 1.°4/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 48.73	−13 59.1	0.982	1.865	21.4	19.1
6 30	20 48.33	−14 9.4	0.913	1.853	17.1	18.7
7 10	20 44.61	−14 39.4	0.860	1.842	11.9	18.4
7 20	20 38.11	−15 26.8	0.825	1.833	6.0	18.1
7 30	20 30.03	−16 25.7	0.811	1.826	1.5	17.8
8 9	20 22.03	−17 27.5	0.818	1.820	7.2	18.1
8 19	20 15.77	−18 24.1	0.845	1.816	13.2	18.4
8 29	20 12.60	−19 9.1	0.890	1.814	18.5	18.7

7035 Gomi 7 28.4 192.°30 0.°2/28.2 18

6 20	20 55.12	−18 8.8	2.801	3.619	10.9	18.5
6 30	20 50.78	−18 27.3	2.712	3.617	8.5	18.3
7 10	20 44.87	−18 51.2	2.646	3.616	5.7	18.2
7 20	20 37.80	−19 18.1	2.607	3.614	2.6	18.0
7 30	20 30.12	−19 45.4	2.596	3.611	0.6	17.8
8 9	20 22.52	−20 10.7	2.615	3.609	3.8	18.0
8 19	20 15.63	−20 31.9	2.661	3.606	6.7	18.2
8 29	20 10.04	−20 47.6	2.734	3.602	9.4	18.4

302271 2001 XC_{175} 7 28.4 190.°51 1.°5/29.6 18

6 20	20 56.02	−12 25.7	2.987	3.782	10.8	22.0
6 30	20 51.32	−12 25.3	2.892	3.780	8.6	21.9
7 10	20 45.16	−12 31.9	2.821	3.778	6.0	21.7
7 20	20 37.91	−12 44.5	2.777	3.775	3.3	21.5
7 30	20 30.10	−13 1.5	2.761	3.772	1.6	21.4
8 9	20 22.35	−13 20.9	2.774	3.768	3.5	21.5
8 19	20 15.26	−13 40.9	2.817	3.764	6.3	21.7
8 29	20 9.36	−13 59.7	2.886	3.759	8.8	21.9

436174 2009 VY_{114} 7 28.4 128.°34 6.°4/30.8 18

6 20	21 2.74	− 5 0.6	1.909	2.690	16.5	20.6
6 30	20 57.25	− 3 43.8	1.829	2.695	13.8	20.5
7 10	20 49.49	− 2 38.7	1.770	2.700	10.7	20.3
7 20	20 40.02	− 1 48.0	1.734	2.705	7.9	20.1
7 30	20 29.70	− 1 13.2	1.724	2.710	6.4	20.0
8 9	20 19.55	− 0 54.4	1.742	2.715	7.5	20.1
8 19	20 10.57	− 0 49.6	1.785	2.719	10.1	20.3
8 29	20 3.56	− 0 55.8	1.852	2.723	13.1	20.5

342105 2008 SA_{68} 7 28.4 346.°54 1.°6/29.2 17

6 20	20 49.13	−13 12.5	1.198	2.066	19.4	19.9
6 30	20 48.08	−13 27.0	1.123	2.053	15.5	19.7
7 10	20 44.12	−13 59.6	1.065	2.043	10.8	19.4
7 20	20 37.79	−14 48.1	1.027	2.033	5.5	19.0
7 30	20 30.11	−15 47.5	1.011	2.025	1.6	18.8
8 9	20 22.49	−16 50.3	1.018	2.019	6.4	19.1
8 19	20 16.32	−17 49.4	1.047	2.014	11.8	19.3
8 29	20 12.78	−18 39.0	1.096	2.011	16.6	19.6

91240 1999 CM_{27} 7 28.4 202.°11 3.°5/26.6 18

6 20	21 2.44	−24 5.9	1.612	2.458	16.3	20.0
6 30	20 57.89	−24 57.6	1.535	2.455	12.8	19.7
7 10	20 50.43	−25 55.3	1.478	2.452	8.7	19.5
7 20	20 40.64	−26 52.8	1.444	2.449	4.8	19.3
7 30	20 29.59	−27 42.5	1.437	2.444	3.9	19.2
8 9	20 18.65	−28 18.6	1.456	2.440	7.5	19.4
8 19	20 9.17	−28 38.1	1.500	2.435	11.6	19.6
8 29	20 2.25	−28 41.1	1.565	2.429	15.4	19.8

151466 2002 GL_{150} 7 28.4 153.°99 2.°4/26.8 18

6 20	20 56.99	−24 54.0	2.352	3.187	12.2	20.8
6 30	20 52.60	−25 22.0	2.273	3.188	9.5	20.6
7 10	20 46.27	−25 52.2	2.217	3.189	6.4	20.4
7 20	20 38.50	−26 20.8	2.186	3.189	3.4	20.2
7 30	20 30.02	−26 44.0	2.182	3.190	2.7	20.2
8 9	20 21.68	−26 59.1	2.207	3.191	5.3	20.4
8 19	20 14.30	−27 4.3	2.258	3.192	8.4	20.6
8 29	20 8.60	−26 59.7	2.334	3.192	11.2	20.8

342704 2008 VJ_{79} 7 28.4 292.°88 0.°3/28.3 18

6 20	20 55.48	−16 50.5	1.776	2.615	15.3	20.7
6 30	20 52.21	−17 19.8	1.680	2.597	12.1	20.4
7 10	20 46.51	−18 0.4	1.604	2.578	8.2	20.2
7 20	20 38.82	−18 49.0	1.552	2.559	3.9	19.9
7 30	20 29.94	−19 41.0	1.525	2.540	0.9	19.6
8 9	20 20.96	−20 31.0	1.526	2.522	5.5	19.9
8 19	20 13.00	−21 14.4	1.551	2.503	10.0	20.1
8 29	20 7.08	−21 48.1	1.600	2.485	14.0	20.3

121782 2000 AL_{66} 7 28.4 205.°43 2.°7/26.6 18

6 20	20 57.94	−27 11.7	2.700	3.528	11.0	19.8
6 30	20 53.09	−27 32.7	2.615	3.525	8.6	19.6
7 10	20 46.49	−27 53.8	2.554	3.522	5.9	19.4
7 20	20 38.57	−28 11.8	2.519	3.519	3.4	19.3
7 30	20 30.02	−28 23.5	2.512	3.516	2.9	19.2
8 9	20 21.59	−28 26.6	2.534	3.513	5.1	19.4
8 19	20 14.03	−28 20.3	2.583	3.509	7.8	19.5
8 29	20 7.98	−28 4.8	2.657	3.506	10.3	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
164907 1999 WL_{17}			7 28.4 349°.62	23°.3/10.9 17		
	h m	° ′			°	m
6 20	20 54.31	+19 53.5	1.078	1.799	29.8	19.3
6 30	20 52.52	+22 47.9	1.024	1.796	28.2	19.2
7 10	20 47.40	+25 5.4	0.980	1.794	26.6	19.0
7 20	20 39.45	+26 33.2	0.947	1.792	25.0	18.9
7 30	20 29.80	+27 0.6	0.926	1.790	23.9	18.8
8 9	20 20.11	+26 24.0	0.919	1.790	23.4	18.8
8 19	20 12.05	+24 47.6	0.925	1.789	23.6	18.8
8 29	20 7.06	+22 23.5	0.944	1.790	24.5	18.9
107583 2001 DZ_{97}			7 28.4 72°.63	3°.1/29.8 17		
6 20	21 1.95	−11 39.9	1.420	2.249	18.9	20.2
6 30	20 57.13	−11 20.9	1.365	2.271	15.1	20.0
7 10	20 49.59	−11 16.2	1.330	2.294	10.6	19.8
7 20	20 40.08	−11 24.2	1.316	2.316	6.0	19.6
7 30	20 29.75	−11 42.1	1.328	2.338	3.1	19.5
8 9	20 19.92	−12 6.0	1.364	2.360	6.0	19.7
8 19	20 11.74	−12 31.7	1.426	2.382	10.3	20.0
8 29	20 6.08	−12 55.8	1.510	2.404	14.1	20.3
239374 2007 RR_{285}			7 28.4 66°.61	2°.2/27.2 16		
6 20	20 58.43	−23 6.8	1.859	2.702	14.6	20.4
6 30	20 54.17	−23 35.2	1.787	2.706	11.3	20.2
7 10	20 47.56	−24 7.9	1.736	2.711	7.6	20.0
7 20	20 39.17	−24 40.4	1.709	2.715	3.8	19.8
7 30	20 29.91	−25 8.1	1.709	2.720	2.6	19.7
8 9	20 20.87	−25 27.0	1.736	2.725	5.9	19.9
8 19	20 13.07	−25 35.2	1.788	2.729	9.7	20.2
8 29	20 7.36	−25 32.6	1.864	2.734	13.0	20.4
4298 Jorgenúnez			7 28.4 296°.09	1°.1/27.7 18	R	
6 20	20 55.42	−19 42.7	2.162	2.995	13.1	17.1
6 30	20 51.81	−20 11.6	2.052	2.967	10.3	16.9
7 10	20 46.06	−20 48.0	1.964	2.938	7.0	16.6
7 20	20 38.56	−21 28.6	1.902	2.909	3.3	16.3
7 30	20 30.00	−22 9.5	1.866	2.880	1.4	16.1
8 9	20 21.28	−22 46.4	1.858	2.851	5.2	16.3
8 19	20 13.36	−23 16.0	1.877	2.821	9.1	16.5
8 29	20 7.13	−23 36.3	1.919	2.792	12.6	16.7
201990 2004 PC_{78}			7 28.4 16°.11	2°.6/29.7 17		
6 20	20 56.17	−12 2.2	1.504	2.341	17.7	20.1
6 30	20 52.82	−11 54.4	1.431	2.343	14.1	19.8
7 10	20 46.87	−12 0.4	1.377	2.345	10.0	19.6
7 20	20 38.92	−12 19.1	1.346	2.347	5.5	19.3
7 30	20 29.95	−12 47.3	1.338	2.350	2.6	19.2
8 9	20 21.17	−13 20.8	1.356	2.353	5.8	19.4
8 19	20 13.73	−13 55.2	1.398	2.357	10.2	19.6
8 29	20 8.58	−14 26.7	1.462	2.361	14.2	19.9
468614 2008 AB_{87}			7 28.4 207°.01	0°.9/27.9 17		
6 20	20 59.90	−18 15.8	1.702	2.539	15.9	22.1
6 30	20 55.64	−18 51.5	1.620	2.536	12.5	21.9
7 10	20 48.78	−19 37.2	1.559	2.532	8.4	21.7
7 20	20 39.84	−20 28.9	1.521	2.528	3.9	21.4
7 30	20 29.77	−21 20.8	1.509	2.524	1.4	21.2
8 9	20 19.77	−22 7.3	1.525	2.519	5.9	21.5
8 19	20 11.01	−22 44.5	1.566	2.513	10.3	21.7
8 29	20 4.51	−23 10.1	1.630	2.507	14.2	22.0
337195 1999 VA_{213}			7 28.4 227°.21	5°.9/24.6 18		
6 20	21 0.37	−31 57.6	1.963	2.805	13.9	20.9
6 30	20 55.93	−33 3.9	1.888	2.801	11.1	20.7
7 10	20 48.91	−34 9.6	1.835	2.797	8.3	20.5
7 20	20 39.88	−35 7.7	1.806	2.793	6.2	20.4
7 30	20 29.77	−35 51.4	1.804	2.789	6.3	20.4
8 9	20 19.79	−36 16.2	1.828	2.785	8.5	20.5
8 19	20 11.09	−36 20.7	1.876	2.780	11.4	20.7
8 29	20 4.63	−36 6.6	1.946	2.776	14.2	20.9
510524 2012 CE_{57}			7 28.4 213°.90	3°.2/31.4 18		
6 20	20 53.19	− 4 27.3	2.914	3.683	11.6	21.9
6 30	20 49.24	− 4 47.9	2.812	3.676	9.6	21.7
7 10	20 43.85	− 5 21.3	2.733	3.669	7.2	21.5
7 20	20 37.36	− 6 6.7	2.679	3.662	4.8	21.4
7 30	20 30.26	− 7 2.4	2.654	3.654	3.2	21.3
8 9	20 23.15	− 8 5.3	2.657	3.646	4.2	21.3
8 19	20 16.63	− 9 12.0	2.689	3.637	6.5	21.4
8 29	20 11.25	−10 18.8	2.749	3.628	9.0	21.6
403358 2009 HR_{3}			7 28.4 78°.64	2°.0/27.0 18		
6 20	20 56.04	−21 19.8	2.032	2.871	13.6	21.2
6 30	20 52.16	−22 7.7	1.956	2.874	10.6	21.0
7 10	20 46.15	−23 2.0	1.903	2.878	7.1	20.8
7 20	20 38.51	−23 58.1	1.875	2.882	3.5	20.6
7 30	20 30.04	−24 50.9	1.874	2.885	2.3	20.5
8 9	20 21.70	−25 35.8	1.901	2.889	5.6	20.7
8 19	20 14.41	−26 9.7	1.953	2.893	9.1	21.0
8 29	20 8.96	−26 31.5	2.030	2.896	12.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
137676 1999 XH_{42}			7 28.4 238°.76	0°.1/28.4 18		
	h m	° ′			°	m
6 20	21 0.59	−17 29.0	1.842	2.671	15.2	20.6
6 30	20 56.06	−17 43.5	1.747	2.658	12.0	20.4
7 10	20 49.03	−18 6.8	1.674	2.645	8.2	20.1
7 20	20 39.97	−18 36.0	1.624	2.631	3.9	19.8
7 30	20 29.75	−19 7.0	1.601	2.616	0.8	19.5
8 9	20 19.51	−19 35.5	1.606	2.601	5.4	19.8
8 19	20 10.36	−19 58.4	1.637	2.586	9.8	20.1
8 29	20 3.31	−20 13.8	1.691	2.570	13.7	20.3
443385 2014 HD_{12}			7 28.4 10°.73	5°.1/31.5 18		
6 20	20 51.61	− 5 10.6	1.672	2.486	17.2	20.7
6 30	20 48.96	− 4 54.6	1.599	2.489	14.2	20.5
7 10	20 44.12	− 4 56.5	1.544	2.492	10.7	20.3
7 20	20 37.60	− 5 16.6	1.511	2.497	7.3	20.1
7 30	20 30.23	− 5 53.3	1.502	2.502	5.1	20.0
8 9	20 23.01	− 6 42.7	1.518	2.508	6.4	20.1
8 19	20 16.89	− 7 39.5	1.558	2.515	9.6	20.3
8 29	20 12.69	− 8 38.3	1.622	2.523	12.9	20.5
521298 2015 KX_{122}			7 28.4 118°.74	4°.3/31.7 17		
6 20	20 56.50	− 3 27.1	2.082	2.862	15.3	21.9
6 30	20 52.23	− 3 40.9	2.007	2.876	12.6	21.8
7 10	20 46.04	− 4 12.1	1.953	2.890	9.5	21.6
7 20	20 38.41	− 4 59.7	1.922	2.904	6.4	21.4
7 30	20 30.08	− 6 1.2	1.917	2.916	4.4	21.3
8 9	20 21.91	− 7 12.1	1.941	2.929	5.4	21.4
8 19	20 14.71	− 8 27.3	1.991	2.941	8.3	21.6
8 29	20 9.18	− 9 41.6	2.067	2.953	11.3	21.8
216511 2000 SB_{127}			7 28.4 332°.13	5°.7/ 1.0 18		
6 20	20 52.26	− 2 49.1	1.914	2.706	16.1	19.7
6 30	20 49.29	− 2 29.4	1.825	2.698	13.5	19.5
7 10	20 44.28	− 2 26.9	1.755	2.691	10.5	19.3
7 20	20 37.68	− 2 42.6	1.708	2.684	7.6	19.2
7 30	20 30.21	− 3 16.0	1.685	2.677	5.8	19.0
8 9	20 22.75	− 4 4.1	1.687	2.671	6.6	19.1
8 19	20 16.21	− 5 2.3	1.715	2.665	9.3	19.2
8 29	20 11.38	− 6 5.3	1.766	2.660	12.5	19.4
299369 2005 UJ_{168}			7 28.4 336°.67	0°.3/28.5 17		
6 20	20 56.50	−17 4.5	1.083	1.954	20.7	20.9
6 30	20 54.23	−17 9.7	1.013	1.947	16.4	20.7
7 10	20 48.50	−17 28.6	0.960	1.941	11.2	20.3
7 20	20 39.93	−17 57.7	0.926	1.935	5.3	20.0
7 30	20 29.77	−18 31.3	0.915	1.930	1.0	19.7
8 9	20 19.78	−19 2.8	0.926	1.926	7.2	20.1
8 19	20 11.62	−19 27.3	0.958	1.922	13.0	20.4
8 29	20 6.61	−19 41.8	1.009	1.919	18.1	20.7
131044 2000 YB_{26}			7 28.4 226°.24	1°.9/29.6 18		
6 20	20 57.08	−11 57.9	2.052	2.865	14.4	20.4
6 30	20 52.93	−12 5.8	1.960	2.858	11.5	20.1
7 10	20 46.69	−12 25.1	1.889	2.851	8.1	19.9
7 20	20 38.81	−12 54.4	1.843	2.844	4.4	19.7
7 30	20 30.01	−13 30.9	1.823	2.836	1.9	19.5
8 9	20 21.24	−14 10.9	1.832	2.828	4.8	19.7
8 19	20 13.41	−14 50.7	1.866	2.819	8.5	19.9
8 29	20 7.32	−15 27.3	1.926	2.810	12.0	20.1
482184 2010 UN_{44}			7 28.4 210°.14	3°.0/30.4 18		
6 20	20 55.11	− 9 8.8	2.459	3.255	12.8	21.0
6 30	20 50.94	− 8 51.5	2.369	3.253	10.4	20.8
7 10	20 45.09	− 8 43.9	2.302	3.252	7.6	20.6
7 20	20 37.97	− 8 45.8	2.259	3.250	4.7	20.4
7 30	20 30.19	− 8 56.0	2.244	3.249	3.0	20.3
8 9	20 22.49	− 9 12.7	2.256	3.247	4.5	20.4
8 19	20 15.57	− 9 33.5	2.296	3.245	7.4	20.6
8 29	20 10.06	− 9 55.8	2.361	3.243	10.2	20.8
100966 1998 QP_{18}			7 28.4 349°.36	4°.3/30.9 18		
6 20	20 46.77	− 7 1.0	1.067	1.929	21.6	18.8
6 30	20 46.47	− 7 15.2	0.995	1.919	17.7	18.5
7 10	20 43.19	− 7 57.1	0.939	1.910	13.0	18.2
7 20	20 37.44	− 9 6.8	0.902	1.902	7.9	17.9
7 30	20 30.26	−10 39.4	0.886	1.896	4.3	17.7
8 9	20 23.14	−12 25.2	0.891	1.892	7.1	17.9
8 19	20 17.52	−14 12.8	0.917	1.889	12.3	18.1
8 29	20 14.66	−15 51.7	0.964	1.889	17.3	18.4
218404 2004 RC_{6}			7 28.4 301°.94	0°.3/28.7 18		
6 20	20 53.28	−13 43.7	2.235	3.057	13.1	19.9
6 30	20 49.85	−14 35.1	2.146	3.053	10.3	19.7
7 10	20 44.54	−15 38.5	2.080	3.049	7.0	19.5
7 20	20 37.78	−16 50.7	2.039	3.045	3.4	19.3
7 30	20 30.22	−18 7.2	2.026	3.041	0.6	19.1
8 9	20 22.67	−19 22.8	2.041	3.037	4.4	19.3
8 19	20 15.93	−20 32.9	2.084	3.034	8.0	19.6
8 29	20 10.74	−21 34.0	2.152	3.030	11.2	19.8

225685 2001 QW_{41} 7 28.4 335°.04 1°.0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.55	−19 55.1	1.115	1.997	19.5	19.7
6 30	20 50.44	−19 57.9	1.035	1.976	15.5	19.4
7 10	20 46.04	−20 10.3	0.971	1.955	10.6	19.1
7 20	20 38.85	−20 28.7	0.927	1.936	5.0	18.7
7 30	20 29.99	−20 47.9	0.904	1.919	1.5	18.4
8 9	20 21.10	−21 2.2	0.904	1.903	7.4	18.7
8 19	20 13.84	−21 7.4	0.924	1.889	13.2	19.0
8 29	20 9.60	−21 1.8	0.962	1.877	18.4	19.2

414419 2009 CR_{34} 7 28.4 79°.61 3°.2/27.1 17

6 20	21 2.85	−23 34.9	1.335	2.192	18.4	21.2
6 30	20 58.40	−24 11.8	1.278	2.205	14.3	21.0
7 10	20 50.79	−24 54.2	1.241	2.218	9.7	20.7
7 20	20 40.78	−25 35.4	1.225	2.231	5.0	20.5
7 30	20 29.68	−26 8.3	1.234	2.244	3.5	20.5
8 9	20 19.06	−26 27.7	1.268	2.257	7.5	20.7
8 19	20 10.33	−26 31.8	1.325	2.270	12.0	21.0
8 29	20 4.50	−26 21.8	1.404	2.283	16.0	21.3

52324 1992 DV_{9} 7 28.4 195°.73 1°.8/29.5 18

6 20	20 58.98	−12 29.3	1.953	2.768	15.0	20.5
6 30	20 54.48	−12 36.9	1.866	2.766	12.0	20.3
7 10	20 47.77	−12 55.9	1.800	2.763	8.4	20.1
7 20	20 39.32	−13 24.7	1.759	2.761	4.5	19.8
7 30	20 29.94	−14 0.2	1.744	2.757	1.8	19.6
8 9	20 20.63	−14 38.5	1.757	2.753	4.9	19.8
8 19	20 12.35	−15 16.0	1.797	2.749	8.9	20.1
8 29	20 5.97	−15 49.6	1.861	2.744	12.4	20.3

246667 2008 YB_{109} 7 28.4 354°.72 1°.1/27.7 18

6 20	20 55.20	−18 41.5	1.756	2.600	15.2	20.5
6 30	20 51.85	−19 21.1	1.678	2.599	11.9	20.3
7 10	20 46.15	−20 10.1	1.622	2.598	8.0	20.1
7 20	20 38.60	−21 4.5	1.589	2.597	3.7	19.8
7 30	20 30.07	−21 58.6	1.583	2.597	1.5	19.7
8 9	20 21.66	−22 47.2	1.603	2.596	5.6	19.9
8 19	20 14.41	−23 26.2	1.648	2.596	9.8	20.2
8 29	20 9.21	−23 53.7	1.716	2.597	13.4	20.4

177662 2005 EM_{5} 7 28.4 140°.19 1°.1/27.8 17

6 20	21 1.39	−18 49.6	1.716	2.551	15.9	21.3
6 30	20 56.63	−19 25.6	1.645	2.560	12.4	21.1
7 10	20 49.31	−20 10.5	1.595	2.569	8.3	20.8
7 20	20 40.05	−20 59.5	1.570	2.577	3.8	20.6
7 30	20 29.81	−21 47.3	1.571	2.585	1.5	20.4
8 9	20 19.81	−22 28.6	1.599	2.592	5.8	20.7
8 19	20 11.16	−23 0.1	1.653	2.599	10.0	21.0
8 29	20 4.77	−23 20.3	1.730	2.605	13.7	21.3

514922 2008 UJ_{111} 7 28.4 260°.56 2°.1/29.6 18

6 20	20 58.56	−12 2.7	2.217	3.023	13.7	22.9
6 30	20 54.09	−11 59.8	2.105	2.999	11.1	22.7
7 10	20 47.53	−12 6.7	2.015	2.974	7.9	22.4
7 20	20 39.25	−12 22.7	1.949	2.949	4.4	22.2
7 30	20 29.94	−12 45.8	1.911	2.923	2.1	22.0
8 9	20 20.48	−13 13.1	1.901	2.896	4.8	22.1
8 19	20 11.79	−13 41.7	1.919	2.869	8.5	22.3
8 29	20 4.73	−14 8.9	1.961	2.841	12.0	22.5

128642 2004 RK_{27} 7 28.4 248°.88 0°.4/28.2 18

6 20	20 57.92	−17 2.0	2.071	2.896	13.9	21.3
6 30	20 53.76	−17 36.7	1.971	2.880	10.9	21.1
7 10	20 47.38	−18 21.3	1.892	2.863	7.4	20.8
7 20	20 39.20	−19 12.6	1.839	2.846	3.5	20.5
7 30	20 29.96	−20 6.1	1.813	2.828	0.9	20.3
8 9	20 20.62	−20 57.1	1.816	2.810	5.1	20.6
8 19	20 12.17	−21 41.5	1.845	2.791	9.1	20.8
8 29	20 5.52	−22 16.7	1.898	2.771	12.7	21.0

457735 2009 HA_{12} 7 28.4 83°.90 3°.2/30.9 16

6 20	20 58.45	− 3 20.7	1.473	2.277	19.6	20.5
6 30	20 54.56	− 4 41.1	1.407	2.295	15.9	20.3
7 10	20 48.04	− 6 29.7	1.360	2.313	11.5	20.1
7 20	20 39.49	− 8 42.5	1.336	2.331	6.7	19.9
7 30	20 29.92	−11 10.8	1.338	2.349	3.3	19.7
8 9	20 20.58	−13 42.8	1.369	2.366	5.8	19.9
8 19	20 12.64	−16 7.2	1.426	2.383	10.2	20.2
8 29	20 7.04	−18 15.6	1.508	2.400	14.3	20.5

357909 2005 VZ_{116} 7 28.4 118°.21 4°.0/25.6 18

6 20	20 57.37	−28 54.8	2.331	3.169	12.2	21.4
6 30	20 53.02	−29 44.1	2.258	3.172	9.5	21.2
7 10	20 46.64	−30 33.6	2.207	3.175	6.8	21.0
7 20	20 38.74	−31 18.7	2.183	3.178	4.4	20.9
7 30	20 30.08	−31 54.5	2.185	3.181	4.3	20.9
8 9	20 21.57	−32 17.7	2.215	3.184	6.4	21.0
8 19	20 14.07	−32 26.8	2.271	3.187	9.2	21.2
8 29	20 8.34	−32 22.4	2.350	3.190	11.8	21.4

53710 2000 DZ_{107} 7 28.4 30°.94 2°.0/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.17	−20 2.5	1.107	1.979	20.3	18.9
6 30	20 55.34	−20 36.4	1.049	1.984	15.9	18.7
7 10	20 49.08	−21 21.7	1.008	1.990	10.7	18.4
7 20	20 40.11	−22 12.0	0.988	1.997	5.0	18.1
7 30	20 29.81	−22 59.3	0.991	2.004	2.4	18.0
8 9	20 19.91	−23 36.3	1.016	2.012	7.7	18.3
8 19	20 11.98	−23 59.0	1.063	2.020	12.9	18.6
8 29	20 7.18	−24 6.5	1.130	2.029	17.5	18.9

106141 2000 TQ_{44} 7 28.4 258°.09 4°.0/25.5 18

6 20	20 57.07	−28 1.2	2.244	3.084	12.5	19.8
6 30	20 52.98	−28 57.8	2.161	3.077	9.8	19.7
7 10	20 46.76	−29 56.3	2.100	3.069	6.9	19.5
7 20	20 38.86	−30 51.5	2.065	3.061	4.5	19.3
7 30	20 30.05	−31 38.1	2.057	3.054	4.4	19.3
8 9	20 21.29	−32 11.7	2.076	3.046	6.7	19.4
8 19	20 13.51	−32 30.5	2.121	3.038	9.7	19.6
8 29	20 7.53	−32 34.3	2.189	3.030	12.5	19.8

69520 1997 GC_{2} 7 28.4 335°.65 1°.3/29.1 18

6 20	20 54.68	−14 24.9	1.580	2.422	16.7	19.7
6 30	20 51.69	−14 30.2	1.498	2.415	13.3	19.5
7 10	20 46.19	−14 47.8	1.436	2.408	9.2	19.2
7 20	20 38.68	−15 15.4	1.396	2.402	4.7	18.9
7 30	20 30.08	−15 49.5	1.381	2.396	1.4	18.7
8 9	20 21.57	−16 25.5	1.392	2.390	5.5	19.0
8 19	20 14.27	−16 59.2	1.427	2.385	10.1	19.2
8 29	20 9.16	−17 27.2	1.484	2.381	14.2	19.4

44438 1998 UG_{8} 7 28.4 190°.62 8°.4/ 4.4 18

6 20	20 53.37	+ 9 51.6	2.725	3.413	14.1	18.3
6 30	20 49.48	+10 42.5	2.636	3.412	12.6	18.2
7 10	20 44.07	+11 16.5	2.566	3.411	11.0	18.1
7 20	20 37.51	+11 31.3	2.518	3.411	9.5	18.0
7 30	20 30.32	+11 25.4	2.493	3.410	8.6	17.9
8 9	20 23.16	+10 59.7	2.492	3.409	8.5	17.9
8 19	20 16.66	+10 16.6	2.517	3.408	9.4	18.0
8 29	20 11.40	+ 9 20.1	2.565	3.406	10.8	18.1

276031 2002 AJ_{104} 7 28.4 251°.13 0°.4/28.2 18

6 20	20 57.49	−17 31.0	1.797	2.634	15.2	20.9
6 30	20 53.64	−17 59.0	1.712	2.627	12.0	20.7
7 10	20 47.38	−18 36.8	1.648	2.621	8.1	20.4
7 20	20 39.21	−19 21.0	1.607	2.614	3.8	20.2
7 30	20 29.99	−20 6.7	1.593	2.608	0.9	19.9
8 9	20 20.82	−20 49.1	1.606	2.601	5.4	20.2
8 19	20 12.77	−21 24.3	1.644	2.594	9.7	20.5
8 29	20 6.78	−21 50.0	1.705	2.587	13.5	20.7

521567 2015 OW_{104} 7 28.4 170°.74 0°.7/28.8 18

6 20	20 56.98	−16 36.9	2.404	3.222	12.4	21.2
6 30	20 52.45	−16 31.5	2.319	3.222	9.8	21.0
7 10	20 46.13	−16 31.8	2.256	3.223	6.7	20.8
7 20	20 38.47	−16 36.4	2.219	3.224	3.3	20.6
7 30	20 30.15	−16 43.2	2.210	3.224	0.8	20.4
8 9	20 21.96	−16 50.0	2.229	3.224	4.1	20.7
8 19	20 14.65	−16 55.2	2.275	3.225	7.4	20.9
8 29	20 8.88	−16 57.5	2.347	3.225	10.4	21.1

371626 2006 YM_{50} 7 28.4 193°.08 0°.1/28.4 17

6 20	21 0.32	−17 33.1	1.985	2.810	14.4	22.3
6 30	20 55.53	−17 49.1	1.900	2.808	11.3	22.1
7 10	20 48.47	−18 12.9	1.836	2.806	7.7	21.9
7 20	20 39.66	−18 41.6	1.798	2.804	3.6	21.7
7 30	20 29.92	−19 11.5	1.786	2.801	0.7	21.4
8 9	20 20.28	−19 38.7	1.802	2.797	5.0	21.7
8 19	20 11.73	−20 0.5	1.845	2.793	9.0	22.0
8 29	20 5.12	−20 15.3	1.913	2.789	12.5	22.2

168434 1998 VA_{16} 7 28.4 271°.66 7°.3/23.2 18

6 20	21 0.69	−35 44.2	2.008	2.848	13.8	20.2
6 30	20 56.44	−37 4.1	1.926	2.833	11.3	20.0
7 10	20 49.47	−38 22.0	1.865	2.817	8.9	19.8
7 20	20 40.27	−39 30.1	1.829	2.801	7.4	19.7
7 30	20 29.79	−40 20.6	1.818	2.786	7.8	19.7
8 9	20 19.29	−40 48.4	1.832	2.770	9.8	19.8
8 19	20 10.03	−40 52.2	1.871	2.754	12.5	19.9
8 29	20 3.11	−40 33.7	1.930	2.738	15.2	20.1

456149 2006 EA_{73} 7 28.4 36°.41 6°.1/26.1 17

6 20	21 1.51	−28 48.6	1.139	2.013	19.7	20.9
6 30	20 58.05	−29 39.2	1.087	2.021	15.6	20.7
7 10	20 50.91	−30 30.5	1.053	2.030	11.0	20.4
7 20	20 40.95	−31 13.4	1.039	2.040	7.1	20.3
7 30	20 29.70	−31 38.8	1.048	2.050	6.5	20.3
8 9	20 19.05	−31 41.6	1.080	2.060	9.9	20.5
8 19	20 10.62	−31 21.9	1.133	2.072	14.2	20.8
8 29	20 5.56	−30 43.5	1.205	2.083	18.1	21.0

137653 1999 *XY* 7 28.4 230°.81 1°.5/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.71	−14 12.2	1.937	2.754	15.0	19.6
6 30	20 55.98	−14 11.3	1.841	2.742	12.0	19.3
7 10	20 48.90	−14 20.1	1.765	2.730	8.4	19.1
7 20	20 39.92	−14 36.9	1.714	2.717	4.3	18.8
7 30	20 29.87	−14 59.1	1.690	2.703	1.5	18.6
8 9	20 19.79	−15 23.2	1.693	2.689	5.1	18.8
8 19	20 10.74	−15 46.3	1.723	2.674	9.2	19.0
8 29	20 3.65	−16 5.7	1.778	2.659	13.0	19.2

340970 2007 EP_{117} 7 28.4 11°.67 5°.9/25.7 16

6 20	20 52.87	−27 22.5	1.102	1.990	19.2	19.7
6 30	20 51.36	−28 23.8	1.051	1.994	15.1	19.4
7 10	20 46.44	−29 28.3	1.018	2.000	10.6	19.2
7 20	20 38.89	−30 26.8	1.005	2.008	6.7	19.0
7 30	20 30.09	−31 9.9	1.014	2.017	6.4	19.0
8 9	20 21.75	−31 31.2	1.045	2.028	9.8	19.3
8 19	20 15.39	−31 29.3	1.097	2.040	14.1	19.5
8 29	20 12.08	−31 6.4	1.167	2.054	17.9	19.8

102597 1999 VS_3 7 28.4 233°.64 1°.4/29.3 18

6 20	20 56.75	−13 27.3	2.017	2.837	14.4	20.7
6 30	20 52.72	−13 37.0	1.928	2.832	11.5	20.5
7 10	20 46.58	−13 57.3	1.860	2.826	8.0	20.3
7 20	20 38.79	−14 26.4	1.817	2.820	4.1	20.0
7 30	20 30.10	−15 1.2	1.800	2.814	1.4	19.8
8 9	20 21.46	−15 38.0	1.811	2.807	4.7	20.0
8 19	20 13.79	−16 13.3	1.848	2.801	8.6	20.3
8 29	20 7.89	−16 44.3	1.909	2.794	12.1	20.5

511199 2013 YO_{129} 7 28.4 171°.98 1°.5/27.3 17

6 20	20 58.73	−21 4.0	2.471	3.293	12.0	23.1
6 30	20 53.87	−21 46.8	2.389	3.297	9.3	22.9
7 10	20 47.13	−22 34.7	2.330	3.300	6.2	22.7
7 20	20 38.97	−23 24.2	2.297	3.303	3.0	22.5
7 30	20 30.08	−24 10.9	2.294	3.305	1.8	22.4
8 9	20 21.27	−24 51.2	2.319	3.306	4.8	22.6
8 19	20 13.34	−25 22.6	2.372	3.307	7.9	22.8
8 29	20 7.00	−25 44.1	2.450	3.307	10.8	23.0

208905 2002 TJ_{200} 7 28.4 238°.33 2°.5/26.9 18

6 20	20 58.19	−24 0.9	2.042	2.881	13.6	21.1
6 30	20 53.92	−24 34.8	1.960	2.878	10.6	20.9
7 10	20 47.41	−25 12.5	1.900	2.874	7.2	20.7
7 20	20 39.18	−25 49.6	1.865	2.870	3.8	20.5
7 30	20 30.04	−26 21.4	1.857	2.866	2.8	20.4
8 9	20 21.02	−26 44.0	1.877	2.862	5.9	20.6
8 19	20 13.08	−26 55.4	1.922	2.858	9.4	20.8
8 29	20 7.07	−26 55.2	1.991	2.854	12.6	21.0

59909 1999 RK_{155} 7 28.4 103°.32 0°.6/28.1 18

6 20	20 58.09	−20 29.2	2.266	3.093	12.8	17.8
6 30	20 53.43	−20 31.9	2.186	3.097	10.0	17.6
7 10	20 46.85	−20 38.5	2.129	3.100	6.7	17.4
7 20	20 38.83	−20 46.7	2.097	3.104	3.1	17.2
7 30	20 30.12	−20 53.6	2.093	3.107	1.0	17.0
8 9	20 21.60	−20 56.9	2.117	3.111	4.5	17.3
8 19	20 14.07	−20 55.3	2.168	3.114	7.9	17.5
8 29	20 8.24	−20 48.1	2.244	3.118	11.0	17.7

77016 2001 CX_{12} 7 28.4 258°.99 2°.7/27.1 18

6 20	21 0.39	−22 33.2	1.593	2.440	16.3	19.6
6 30	20 56.42	−23 11.7	1.506	2.428	12.8	19.4
7 10	20 49.57	−23 57.5	1.440	2.416	8.7	19.1
7 20	20 40.37	−24 45.3	1.397	2.403	4.4	18.8
7 30	20 29.80	−25 28.4	1.380	2.390	3.0	18.7
8 9	20 19.23	−26 1.0	1.388	2.377	7.0	18.9
8 19	20 10.00	−26 19.7	1.421	2.364	11.5	19.1
8 29	20 3.27	−26 23.9	1.476	2.350	15.6	19.4

521547 2015 OR_{101} 7 28.4 100°.67 0°.9/27.9 18

6 20	20 57.73	−21 10.9	2.341	3.168	12.4	21.2
6 30	20 53.10	−21 16.4	2.261	3.172	9.7	21.0
7 10	20 46.59	−21 25.4	2.205	3.176	6.5	20.8
7 20	20 38.70	−21 35.4	2.174	3.180	3.0	20.6
7 30	20 30.15	−21 43.5	2.171	3.184	1.2	20.5
8 9	20 21.78	−21 47.5	2.196	3.188	4.5	20.7
8 19	20 14.37	−21 46.0	2.248	3.192	7.8	20.9
8 29	20 8.61	−21 38.6	2.325	3.196	10.8	21.1

400434 2008 DP_8 7 28.4 128°.16 2°.7/30.4 18

6 20	20 56.96	− 9 10.1	2.631	3.419	12.3	21.7
6 30	20 52.16	− 8 58.2	2.553	3.432	9.9	21.6
7 10	20 45.79	− 8 55.6	2.497	3.445	7.2	21.4
7 20	20 38.28	− 9 1.8	2.467	3.458	4.4	21.2
7 30	20 30.23	− 9 15.4	2.465	3.470	2.7	21.2
8 9	20 22.34	− 9 34.4	2.491	3.482	4.2	21.3
8 19	20 15.26	− 9 56.5	2.546	3.493	6.8	21.5
8 29	20 9.54	−10 19.4	2.627	3.504	9.4	21.6

44152 1998 HN_{121} 7 28.4 355°.56 5°.1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.45	− 6 18.9	1.234	2.074	20.6	18.5
6 30	20 50.50	− 6 12.6	1.162	2.071	16.9	18.2
7 10	20 45.68	− 6 29.6	1.107	2.068	12.6	17.9
7 20	20 38.55	− 7 10.3	1.072	2.066	8.1	17.7
7 30	20 30.15	− 8 11.6	1.059	2.065	5.1	17.5
8 9	20 21.87	− 9 27.0	1.068	2.065	7.2	17.6
8 19	20 15.04	−10 48.1	1.101	2.066	11.6	17.9
8 29	20 10.77	−12 6.7	1.154	2.067	16.0	18.2

106799 2000 XD_{31} 7 28.4 234°.26 4°.3/25.5 18

6 20	20 58.97	−30 51.4	2.392	3.226	12.0	19.8
6 30	20 54.29	−31 31.1	2.311	3.221	9.5	19.6
7 10	20 47.53	−32 9.5	2.252	3.216	6.9	19.4
7 20	20 39.20	−32 42.1	2.219	3.211	4.7	19.3
7 30	20 30.06	−33 4.3	2.214	3.206	4.6	19.3
8 9	20 21.05	−33 13.2	2.236	3.201	6.6	19.4
8 19	20 13.06	−33 7.8	2.284	3.196	9.3	19.5
8 29	20 6.86	−32 49.1	2.355	3.191	11.9	19.7

278197 Touvron 7 28.4 287°.89 0°.4/28.7 18

6 20	20 53.73	−14 45.0	2.206	3.030	13.2	20.9
6 30	20 50.25	−15 20.0	2.115	3.023	10.4	20.7
7 10	20 44.86	−16 5.5	2.046	3.016	7.1	20.5
7 20	20 37.98	−16 58.7	2.003	3.008	3.4	20.2
7 30	20 30.29	−17 55.9	1.986	3.001	0.6	20.0
8 9	20 22.60	−18 52.5	1.998	2.994	4.4	20.3
8 19	20 15.75	−19 44.6	2.037	2.987	8.1	20.5
8 29	20 10.48	−20 29.3	2.100	2.980	11.4	20.7

173763 2001 RY_{122} 7 28.4 263°.91 0°.7/28.9 18

6 20	20 55.53	−15 8.0	2.097	2.922	13.8	20.5
6 30	20 51.71	−15 24.8	2.009	2.916	10.9	20.3
7 10	20 45.87	−15 51.0	1.942	2.911	7.4	20.1
7 20	20 38.46	−16 24.4	1.900	2.905	3.6	19.9
7 30	20 30.21	−17 1.7	1.885	2.899	0.8	19.6
8 9	20 22.01	−17 39.0	1.897	2.894	4.6	19.9
8 19	20 14.73	−18 13.1	1.936	2.888	8.3	20.1
8 29	20 9.15	−18 41.5	1.999	2.882	11.7	20.3

139411 2001 OD_{15} 7 28.4 343°.61 6°.2/25.7 17

6 20	20 56.97	−29 9.2	1.234	2.110	18.4	19.0
6 30	20 54.55	−29 59.8	1.166	2.101	14.6	18.8
7 10	20 48.70	−30 52.2	1.116	2.093	10.5	18.5
7 20	20 40.05	−31 37.8	1.087	2.086	7.0	18.3
7 30	20 29.92	−32 7.6	1.080	2.080	6.6	18.3
8 9	20 20.02	−32 15.5	1.096	2.075	10.0	18.4
8 19	20 11.99	−32 0.2	1.133	2.071	14.2	18.7
8 29	20 7.07	−31 24.3	1.189	2.068	18.2	18.9

268910 2007 CS_{11} 7 28.4 219°.05 2°.5/29.7 18

6 20	20 59.21	−11 42.7	1.863	2.678	15.6	21.0
6 30	20 54.82	−11 33.6	1.774	2.672	12.6	20.8
7 10	20 48.10	−11 35.9	1.706	2.667	8.9	20.6
7 20	20 39.56	−11 48.6	1.661	2.661	5.0	20.3
7 30	20 30.02	−12 9.7	1.643	2.654	2.5	20.2
8 9	20 20.53	−12 35.9	1.652	2.647	5.3	20.3
8 19	20 12.12	−13 3.8	1.687	2.640	9.2	20.6
8 29	20 5.68	−13 30.3	1.746	2.633	12.9	20.8

273691 2007 EM_{32} 7 28.4 265°.68 1°.1/28.9 18

6 20	20 58.52	−14 38.7	1.780	2.608	15.7	21.7
6 30	20 54.60	−14 48.5	1.681	2.589	12.5	21.4
7 10	20 48.18	−15 9.7	1.602	2.570	8.7	21.2
7 20	20 39.70	−15 40.2	1.546	2.551	4.4	20.9
7 30	20 29.98	−16 16.5	1.517	2.531	1.2	20.6
8 9	20 20.14	−16 54.3	1.514	2.511	5.4	20.8
8 19	20 11.33	−17 29.4	1.537	2.491	9.9	21.1
8 29	20 4.59	−17 58.7	1.584	2.470	14.0	21.3

333784 2011 FM_{123} 7 28.4 331°.32 4°.3/26.9 18

6 20	20 59.49	−27 40.1	1.350	2.216	17.7	19.4
6 30	20 56.21	−27 55.5	1.272	2.203	14.1	19.1
7 10	20 49.66	−28 11.4	1.213	2.191	9.8	18.9
7 20	20 40.47	−28 21.8	1.175	2.179	5.7	18.6
7 30	20 29.86	−28 20.2	1.161	2.168	4.7	18.5
8 9	20 19.44	−28 2.7	1.171	2.158	8.3	18.7
8 19	20 10.75	−27 28.9	1.203	2.149	12.9	18.9
8 29	20 5.00	−26 41.3	1.256	2.141	17.1	19.2

322987 2002 NJ_{75} 7 28.4 0°.49 1°.6/27.9 17

6 20	21 0.00	−22 36.3	1.218	2.084	19.2	20.1
6 30	20 56.59	−22 28.5	1.150	2.082	15.1	19.8
7 10	20 49.85	−22 25.2	1.101	2.081	10.2	19.6
7 20	20 40.51	−22 22.1	1.073	2.081	4.9	19.3
7 30	20 29.87	−22 14.6	1.068	2.082	2.0	19.1
8 9	20 19.60	−21 59.6	1.086	2.083	7.1	19.4
8 19	20 11.20	−21 36.0	1.128	2.085	12.3	19.7
8 29	20 5.81	−21 4.6	1.189	2.088	16.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
390356 2013 CW_{194}			7 28.4	11°.03	0°.9/29.2	18
	h m	° ′			°	m
6 20	20 52.73	−12 18.7	1.895	2.723	14.9	20.1
6 30	20 49.72	−13 2.3	1.816	2.725	11.8	19.9
7 10	20 44.62	−14 0.2	1.758	2.726	8.1	19.7
7 20	20 37.91	−15 9.2	1.724	2.729	4.1	19.4
7 30	20 30.35	−16 24.4	1.717	2.731	1.0	19.2
8 9	20 22.88	−17 40.1	1.736	2.734	4.7	19.5
8 19	20 16.39	−18 50.8	1.783	2.737	8.7	19.7
8 29	20 11.68	−19 52.5	1.853	2.741	12.2	20.0
394492 2007 TC_{139}			7 28.4	237°.59	1°.6/29.4	18
6 20	20 56.92	−13 18.6	2.133	2.948	13.9	21.5
6 30	20 52.74	−13 18.6	2.041	2.942	11.1	21.3
7 10	20 46.55	−13 28.1	1.971	2.935	7.7	21.1
7 20	20 38.79	−13 45.6	1.926	2.928	4.1	20.8
7 30	20 30.19	−14 8.8	1.907	2.920	1.6	20.6
8 9	20 21.63	−14 34.7	1.917	2.913	4.6	20.8
8 19	20 13.98	−15 0.4	1.953	2.905	8.2	21.0
8 29	20 8.02	−15 23.4	2.013	2.897	11.6	21.2
368341 2002 QJ_{60}			7 28.4	288°.12	2°.9/29.6	18
6 20	20 58.75	−12 46.1	1.536	2.368	17.6	21.1
6 30	20 55.17	−12 22.0	1.439	2.347	14.2	20.8
7 10	20 48.80	−12 9.0	1.360	2.327	10.2	20.6
7 20	20 40.08	−12 7.1	1.304	2.306	5.8	20.3
7 30	20 29.93	−12 14.5	1.273	2.284	2.9	20.0
8 9	20 19.63	−12 28.4	1.267	2.263	6.3	20.2
8 19	20 10.52	−12 45.5	1.285	2.242	11.1	20.4
8 29	20 3.76	−13 2.5	1.325	2.222	15.6	20.6
178178 2006 UB_{96}			7 28.4	208°.64	0°.5/28.1	18
6 20	20 55.94	−18 5.8	2.171	3.001	13.2	20.9
6 30	20 51.96	−18 32.8	2.088	3.000	10.3	20.7
7 10	20 46.01	−19 7.2	2.027	2.999	6.9	20.5
7 20	20 38.55	−19 45.9	1.991	2.997	3.2	20.3
7 30	20 30.29	−20 25.3	1.982	2.996	0.9	20.1
8 9	20 22.12	−21 1.4	2.001	2.995	4.6	20.4
8 19	20 14.89	−21 31.3	2.047	2.994	8.3	20.6
8 29	20 9.34	−21 53.4	2.117	2.992	11.5	20.8
398839 2013 CV_{22}			7 28.4	290°.34	0°.7/28.9	18
6 20	20 53.87	−13 19.7	2.045	2.869	14.1	21.0
6 30	20 50.58	−14 0.2	1.951	2.858	11.2	20.8
7 10	20 45.23	−14 53.6	1.879	2.847	7.7	20.6
7 20	20 38.25	−15 57.4	1.831	2.836	3.8	20.3
7 30	20 30.33	−17 7.0	1.810	2.825	0.8	20.1
8 9	20 22.38	−18 17.3	1.817	2.814	4.7	20.3
8 19	20 15.29	−19 23.2	1.851	2.804	8.6	20.6
8 29	20 9.89	−20 20.9	1.909	2.793	12.2	20.8
13350 Gmelin			7 28.4	273°.62	4°.0/31.4	18
6 20	20 53.05	− 5 7.9	2.447	3.231	13.2	18.7
6 30	20 49.45	− 4 59.7	2.353	3.225	10.9	18.5
7 10	20 44.19	− 5 4.4	2.281	3.220	8.3	18.3
7 20	20 37.67	− 5 21.9	2.232	3.214	5.6	18.1
7 30	20 30.46	− 5 51.2	2.210	3.208	4.0	18.0
8 9	20 23.27	− 6 29.8	2.215	3.202	5.0	18.1
8 19	20 16.81	− 7 14.4	2.248	3.196	7.5	18.2
8 29	20 11.70	− 8 1.5	2.305	3.191	10.3	18.4
329541 2002 TV_{173}			7 28.4	292°.44	4°.3/26.1	17
6 20	20 58.82	−25 6.2	1.507	2.364	16.6	20.7
6 30	20 55.66	−26 1.7	1.412	2.339	13.2	20.5
7 10	20 49.41	−27 5.0	1.337	2.314	9.2	20.2
7 20	20 40.50	−28 9.4	1.285	2.288	5.4	19.9
7 30	20 29.89	−29 6.4	1.257	2.263	4.8	19.8
8 9	20 19.04	−29 48.5	1.254	2.237	8.5	19.9
8 19	20 9.49	−30 11.2	1.275	2.211	13.1	20.1
8 29	20 2.61	−30 13.9	1.315	2.186	17.4	20.3
492400 2014 JR_{48}			7 28.4	6°.96	5°.7/31.7	16
6 20	20 54.42	− 3 57.1	1.921	2.714	16.0	21.3
6 30	20 50.92	− 3 20.9	1.840	2.714	13.3	21.1
7 10	20 45.37	− 2 59.9	1.779	2.715	10.4	20.9
7 20	20 38.27	− 2 55.3	1.740	2.716	7.4	20.7
7 30	20 30.35	− 3 7.0	1.726	2.718	5.7	20.6
8 9	20 22.54	− 3 32.6	1.737	2.719	6.6	20.7
8 19	20 15.71	− 4 8.7	1.774	2.721	9.3	20.8
8 29	20 10.62	− 4 50.8	1.834	2.724	12.3	21.0
166482 2002 PY_{137}			7 28.5	347°.75	1°.4/27.8	18
6 20	20 58.23	−21 22.8	1.758	2.602	15.2	19.9
6 30	20 54.23	−21 35.0	1.680	2.600	11.9	19.7
7 10	20 47.78	−21 52.6	1.623	2.598	8.0	19.5
7 20	20 39.44	−22 11.7	1.589	2.597	3.8	19.2
7 30	20 30.14	−22 28.4	1.582	2.595	1.7	19.1
8 9	20 21.02	−22 38.9	1.601	2.594	5.7	19.3
8 19	20 13.15	−22 41.4	1.645	2.593	9.8	19.6
8 29	20 7.44	−22 35.2	1.712	2.593	13.5	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
249729 2000 SH_{40}			7 28.5	289°.18	3°.3/26.9	18
	h m	° ′			°	m
6 20	20 58.91	−22 47.9	1.396	2.256	17.6	20.7
6 30	20 55.84	−23 32.6	1.307	2.235	13.9	20.4
7 10	20 49.58	−24 26.7	1.236	2.215	9.5	20.1
7 20	20 40.58	−25 24.2	1.188	2.194	5.0	19.8
7 30	20 29.90	−26 16.9	1.163	2.173	3.7	19.7
8 9	20 19.04	−26 57.4	1.163	2.153	8.0	19.9
8 19	20 9.61	−27 21.1	1.186	2.132	13.0	20.1
8 29	20 2.97	−27 27.0	1.230	2.111	17.6	20.3
446433 2014 JH_{36}			7 28.5	80°.17	0°.1/28.4	18
6 20	20 56.01	−17 1.3	2.129	2.957	13.5	21.5
6 30	20 51.95	−17 22.8	2.055	2.966	10.5	21.3
7 10	20 45.95	−17 52.0	2.003	2.974	7.1	21.1
7 20	20 38.50	−18 26.1	1.976	2.982	3.3	20.9
7 30	20 30.33	−19 1.6	1.976	2.991	0.6	20.7
8 9	20 22.34	−19 34.8	2.004	2.999	4.5	21.0
8 19	20 15.34	−20 3.0	2.058	3.008	8.1	21.2
8 29	20 10.03	−20 24.4	2.137	3.016	11.2	21.4
334444 2002 JU_{150}			7 28.5	122°.38	6°.7/ 1.5	17
6 20	20 58.31	− 0 18.8	2.059	2.821	16.0	21.1
6 30	20 53.71	+ 0 25.8	1.984	2.832	13.6	20.9
7 10	20 47.11	+ 0 54.1	1.927	2.842	10.9	20.8
7 20	20 39.04	+ 1 4.3	1.894	2.852	8.3	20.6
7 30	20 30.23	+ 0 56.2	1.885	2.862	6.8	20.6
8 9	20 21.58	+ 0 31.6	1.903	2.872	7.3	20.6
8 19	20 13.93	− 0 5.9	1.947	2.881	9.4	20.8
8 29	20 7.99	− 0 51.8	2.014	2.890	12.0	20.9
42091 2001 AV_{16}			7 28.5	231°.40	0°.4/28.8	18
6 20	20 55.96	−11 38.1	1.926	2.745	15.0	18.4
6 30	20 52.33	−12 52.9	1.838	2.742	11.9	18.1
7 10	20 46.49	−14 25.2	1.771	2.739	8.1	17.9
7 20	20 38.88	−16 10.7	1.730	2.735	3.9	17.6
7 30	20 30.25	−18 2.8	1.717	2.732	0.7	17.4
8 9	20 21.57	−19 53.8	1.732	2.728	5.0	17.7
8 19	20 13.83	−21 36.6	1.775	2.724	9.2	17.9
8 29	20 7.93	−23 6.0	1.843	2.720	12.8	18.2
265002 2003 EF_{49}			7 28.5	86°.80	5°.1/31.6	17
6 20	20 57.08	− 4 16.9	1.719	2.517	17.4	20.8
6 30	20 53.12	− 4 8.5	1.651	2.530	14.3	20.6
7 10	20 46.90	− 4 18.7	1.601	2.543	10.8	20.4
7 20	20 38.99	− 4 47.3	1.573	2.557	7.3	20.3
7 30	20 30.26	− 5 32.4	1.571	2.570	5.1	20.2
8 9	20 21.75	− 6 29.3	1.594	2.583	6.3	20.3
8 19	20 14.42	− 7 32.7	1.643	2.596	9.5	20.5
8 29	20 9.09	− 8 36.9	1.716	2.609	12.8	20.7
442096 2010 TG_{53}			7 28.5	260°.88	0°.3/28.3	15
6 20	20 55.23	−17 46.6	2.452	3.275	12.1	22.7
6 30	20 51.28	−18 9.3	2.354	3.262	9.5	22.5
7 10	20 45.51	−18 38.9	2.279	3.249	6.4	22.2
7 20	20 38.34	−19 12.9	2.229	3.235	3.0	22.0
7 30	20 30.37	−19 48.1	2.207	3.222	0.7	21.8
8 9	20 22.40	−20 21.3	2.214	3.208	4.2	22.0
8 19	20 15.19	−20 49.7	2.248	3.194	7.7	22.2
8 29	20 9.44	−21 11.5	2.307	3.180	10.7	22.4
440518 2005 UQ_{70}			7 28.5	264°.10	3°.6/30.7	18
6 20	20 55.26	− 7 56.9	2.296	3.092	13.6	20.7
6 30	20 51.28	− 7 36.7	2.204	3.086	11.1	20.6
7 10	20 45.48	− 7 27.5	2.133	3.081	8.3	20.4
7 20	20 38.31	− 7 29.4	2.087	3.075	5.3	20.2
7 30	20 30.39	− 7 41.5	2.067	3.070	3.6	20.1
8 9	20 22.51	− 8 1.6	2.074	3.064	5.0	20.1
8 19	20 15.45	− 8 27.2	2.108	3.058	7.9	20.3
8 29	20 9.88	− 8 55.2	2.168	3.053	10.9	20.5
246531 2008 GW_{134}			7 28.5	140°.98	3°.9/31.1	18
6 20	20 54.46	− 6 10.8	2.358	3.146	13.5	20.2
6 30	20 50.56	− 5 57.8	2.272	3.148	11.1	20.1
7 10	20 44.94	− 5 57.2	2.208	3.150	8.3	19.9
7 20	20 38.02	− 6 8.7	2.167	3.151	5.5	19.7
7 30	20 30.44	− 6 31.4	2.153	3.153	3.9	19.6
8 9	20 22.95	− 7 2.8	2.166	3.154	5.0	19.7
8 19	20 16.25	− 7 39.8	2.207	3.156	7.6	19.9
8 29	20 10.99	− 8 19.0	2.272	3.157	10.4	20.0
481214 2005 VP_{37}			7 28.5	223°.42	9°.4/ 5.9	18
6 20	20 54.32	+15 45.3	2.996	3.628	13.9	22.4
6 30	20 50.22	+16 38.8	2.897	3.619	12.7	22.3
7 10	20 44.62	+17 14.9	2.816	3.609	11.5	22.1
7 20	20 37.87	+17 30.7	2.755	3.598	10.3	22.0
7 30	20 30.47	+17 24.3	2.716	3.587	9.6	22.0
8 9	20 23.02	+16 55.9	2.701	3.576	9.4	21.9
8 19	20 16.14	+16 7.5	2.709	3.564	10.0	22.0
8 29	20 10.41	+15 2.9	2.741	3.552	11.1	22.0

143236 2002 YA_{21} 7 28.5 221°.17 1°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.74	−19 43.7	2.449	3.273	12.0	20.4
6 30	20 52.46	−20 21.4	2.356	3.266	9.4	20.3
7 10	20 46.31	−21 5.3	2.286	3.258	6.3	20.0
7 20	20 38.71	−21 52.4	2.243	3.249	3.0	19.8
7 30	20 30.31	−22 38.6	2.227	3.240	1.4	19.7
8 9	20 21.92	−23 20.1	2.241	3.231	4.6	19.9
8 19	20 14.33	−23 54.1	2.281	3.222	7.9	20.1
8 29	20 8.26	−24 19.1	2.347	3.212	10.9	20.3

91361 1999 JW_{68} 7 28.5 18°.07 9°.9/ 3.2 17

6 20	20 52.54	+ 2 48.8	1.373	2.166	21.2	18.9
6 30	20 50.18	+ 3 43.5	1.308	2.171	18.4	18.7
7 10	20 45.25	+ 4 12.2	1.259	2.177	15.1	18.5
7 20	20 38.33	+ 4 11.1	1.228	2.184	12.1	18.4
7 30	20 30.39	+ 3 39.1	1.218	2.191	10.1	18.3
8 9	20 22.63	+ 2 39.8	1.230	2.200	10.3	18.3
8 19	20 16.20	+ 1 20.2	1.264	2.209	12.4	18.5
8 29	20 12.05	− 0 10.5	1.320	2.220	15.4	18.7

85817 1998 XB_{1} 7 28.5 234°.53 0°.5/28.7 18

6 20	20 59.37	−15 46.9	1.896	2.721	15.0	20.6
6 30	20 55.05	−16 2.4	1.803	2.710	11.9	20.4
7 10	20 48.36	−16 27.9	1.731	2.700	8.2	20.1
7 20	20 39.78	−17 0.8	1.683	2.688	4.0	19.8
7 30	20 30.12	−17 37.4	1.662	2.677	0.8	19.6
8 9	20 20.44	−18 13.3	1.668	2.664	5.1	19.9
8 19	20 11.81	−18 45.0	1.701	2.652	9.4	20.1
8 29	20 5.16	−19 10.1	1.757	2.639	13.1	20.3

471290 2011 GX_{34} 7 28.5 255°.27 4°.3/26.3 17

6 20	21 1.68	−27 54.5	1.723	2.570	15.4	20.9
6 30	20 57.17	−28 30.8	1.646	2.566	12.1	20.7
7 10	20 49.92	−29 8.2	1.590	2.562	8.5	20.4
7 20	20 40.51	−29 40.8	1.558	2.558	5.2	20.2
7 30	20 29.99	−30 2.6	1.552	2.555	4.6	20.2
8 9	20 19.68	−30 9.3	1.572	2.551	7.5	20.4
8 19	20 10.79	−30 0.0	1.616	2.547	11.2	20.6
8 29	20 4.34	−29 35.9	1.683	2.543	14.7	20.8

441972 2010 MS_{79} 7 28.5 347°.81 5°.0/31.2 18

6 20	20 50.56	− 6 38.7	1.570	2.396	17.6	20.5
6 30	20 48.48	− 6 17.4	1.487	2.386	14.5	20.3
7 10	20 44.07	− 6 13.2	1.422	2.377	10.9	20.0
7 20	20 37.79	− 6 27.0	1.379	2.369	7.3	19.8
7 30	20 30.49	− 6 57.7	1.359	2.362	5.0	19.7
8 9	20 23.23	− 7 41.6	1.363	2.356	6.5	19.7
8 19	20 17.07	− 8 33.6	1.391	2.351	10.1	19.9
8 29	20 12.93	− 9 28.0	1.441	2.348	13.9	20.1

178715 2000 SX_{236} 7 28.5 326°.93 5°.3/31.9 18

6 20	20 52.49	− 3 38.7	1.930	2.724	15.9	19.9
6 30	20 49.53	− 3 23.5	1.839	2.715	13.2	19.7
7 10	20 44.54	− 3 25.1	1.768	2.706	10.2	19.5
7 20	20 37.95	− 3 44.3	1.719	2.698	7.2	19.3
7 30	20 30.47	− 4 20.2	1.694	2.690	5.3	19.1
8 9	20 23.00	− 5 9.7	1.696	2.682	6.3	19.2
8 19	20 16.42	− 6 8.4	1.722	2.675	9.2	19.3
8 29	20 11.54	− 7 10.9	1.773	2.668	12.4	19.5

469353 2000 YH_{47} 7 28.5 239°.10 1°.7/27.2 18

6 20	20 58.07	−19 38.2	2.210	3.037	13.1	21.5
6 30	20 53.84	−20 39.2	2.112	3.023	10.2	21.3
7 10	20 47.47	−21 49.4	2.036	3.008	6.9	21.0
7 20	20 39.36	−23 4.3	1.987	2.993	3.3	20.8
7 30	20 30.21	−24 18.5	1.966	2.977	2.1	20.7
8 9	20 20.94	−25 26.2	1.973	2.961	5.4	20.9
8 19	20 12.51	−26 23.2	2.008	2.944	9.1	21.1
8 29	20 5.78	−27 7.2	2.067	2.926	12.4	21.2

103515 2000 BR_{4} 7 28.5 172°.22 5°.0/24.7 18 R

6 20	21 2.32	−33 26.1	2.580	3.403	11.5	20.6
6 30	20 56.80	−34 21.6	2.506	3.407	9.2	20.5
7 10	20 49.21	−35 14.7	2.455	3.410	6.9	20.3
7 20	20 40.06	−36 0.0	2.431	3.413	5.2	20.2
7 30	20 30.11	−36 32.8	2.435	3.415	5.3	20.2
8 9	20 20.32	−36 50.1	2.467	3.416	7.0	20.3
8 19	20 11.56	−36 51.1	2.525	3.417	9.3	20.5
8 29	20 4.60	−36 37.2	2.606	3.417	11.6	20.7

465003 2006 DO_{131} 7 28.5 146°.34 2°.1/27.4 17

6 20	21 2.19	−20 37.5	1.535	2.379	17.0	22.0
6 30	20 57.69	−21 23.1	1.466	2.386	13.3	21.8
7 10	20 50.33	−22 17.6	1.416	2.392	8.9	21.6
7 20	20 40.73	−23 15.1	1.390	2.397	4.3	21.3
7 30	20 29.98	−24 8.7	1.390	2.402	2.5	21.2
8 9	20 19.47	−24 52.2	1.416	2.407	6.7	21.5
8 19	20 10.47	−25 22.2	1.467	2.411	11.1	21.7
8 29	20 4.03	−25 37.7	1.540	2.415	15.0	22.0

44487 1998 WC_{20} 7 28.5 251°.55 3°.2/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.29	− 9 27.0	2.239	3.038	13.8	19.1
6 30	20 53.00	− 9 9.9	2.138	3.024	11.3	18.8
7 10	20 46.76	− 9 3.3	2.058	3.009	8.2	18.6
7 20	20 38.97	− 9 6.9	2.002	2.995	5.1	18.4
7 30	20 30.30	− 9 19.7	1.973	2.980	3.2	18.3
8 9	20 21.60	− 9 39.5	1.972	2.964	5.0	18.4
8 19	20 13.70	−10 3.7	1.998	2.949	8.2	18.5
8 29	20 7.39	−10 29.4	2.049	2.933	11.5	18.7

217673 1998 UP_{30} 7 28.5 295°.08 1°.9/29.4 18

6 20	20 55.83	−12 17.0	1.541	2.377	17.4	20.8
6 30	20 53.02	−12 30.6	1.437	2.350	14.0	20.5
7 10	20 47.48	−13 0.4	1.353	2.322	10.0	20.2
7 20	20 39.58	−13 45.1	1.291	2.295	5.3	19.9
7 30	20 30.16	−14 41.1	1.254	2.267	1.9	19.6
8 9	20 20.44	−15 42.6	1.241	2.240	6.0	19.8
8 19	20 11.75	−16 43.5	1.253	2.212	11.1	20.0
8 29	20 5.34	−17 38.3	1.287	2.185	15.8	20.2

373789 2002 UU_{32} 7 28.5 306°.01 3°.7/29.9 17

6 20	20 55.78	−11 8.8	1.400	2.240	18.6	20.9
6 30	20 53.21	−10 44.6	1.300	2.212	15.2	20.6
7 10	20 47.74	−10 34.4	1.218	2.184	11.1	20.3
7 20	20 39.75	−10 38.8	1.157	2.156	6.6	20.0
7 30	20 30.13	−10 56.5	1.119	2.129	3.7	19.7
8 9	20 20.22	−11 24.3	1.105	2.102	6.8	19.8
8 19	20 11.46	−11 57.7	1.114	2.075	11.9	20.0
8 29	20 5.17	−12 31.9	1.143	2.049	16.7	20.2

255022 2005 TJ_{55} 7 28.5 346°.59 10°.4/ 3.4 17

6 20	20 48.84	+ 4 9.0	1.538	2.321	19.8	19.7
6 30	20 47.21	+ 5 11.5	1.455	2.308	17.4	19.4
7 10	20 43.27	+ 5 50.8	1.388	2.296	14.7	19.2
7 20	20 37.46	+ 6 2.3	1.340	2.285	12.2	19.1
7 30	20 30.58	+ 5 43.5	1.312	2.276	10.6	18.9
8 9	20 23.69	+ 4 55.7	1.306	2.268	10.7	18.9
8 19	20 17.84	+ 3 44.2	1.322	2.262	12.5	19.0
8 29	20 14.01	+ 2 16.7	1.360	2.256	15.2	19.2

475187 2005 UM_{510} 7 28.5 188°.06 3°.2/25.7 18

6 20	20 57.08	−28 2.2	2.922	3.748	10.3	22.3
6 30	20 52.45	−28 51.4	2.839	3.747	8.0	22.1
7 10	20 46.16	−29 41.4	2.780	3.746	5.6	21.9
7 20	20 38.61	−30 28.3	2.749	3.745	3.6	21.8
7 30	20 30.39	−31 8.2	2.746	3.742	3.4	21.8
8 9	20 22.23	−31 38.3	2.771	3.740	5.3	21.9
8 19	20 14.83	−31 57.0	2.824	3.737	7.7	22.1
8 29	20 8.80	−32 4.1	2.902	3.734	10.0	22.2

432866 2011 HS_{96} 7 28.5 5°.64 0°.3/28.7 16

6 20	20 52.78	−13 53.1	1.424	2.275	17.7	20.8
6 30	20 50.49	−14 39.0	1.352	2.275	14.0	20.5
7 10	20 45.56	−15 41.8	1.300	2.276	9.5	20.3
7 20	20 38.54	−16 57.3	1.270	2.277	4.6	20.0
7 30	20 30.40	−18 18.8	1.264	2.279	0.8	19.7
8 9	20 22.39	−19 38.3	1.284	2.282	5.9	20.1
8 19	20 15.70	−20 49.2	1.328	2.286	10.7	20.4
8 29	20 11.35	−21 46.7	1.393	2.291	14.9	20.6

265577 2005 QC_{118} 7 28.5 171°.47 0°.6/28.8 18

6 20	20 59.31	−14 55.8	1.952	2.773	14.8	21.2
6 30	20 54.79	−15 20.1	1.871	2.776	11.7	21.0
7 10	20 48.05	−15 55.0	1.811	2.779	8.0	20.8
7 20	20 39.58	−16 37.6	1.775	2.781	3.9	20.5
7 30	20 30.22	−17 23.7	1.767	2.782	0.8	20.3
8 9	20 20.96	−18 9.0	1.787	2.783	4.8	20.6
8 19	20 12.78	−18 49.5	1.833	2.783	8.8	20.8
8 29	20 6.51	−19 22.9	1.904	2.783	12.4	21.1

124979 2001 TD_{120} 7 28.5 339°.68 3°.4/29.2 18

6 20	20 54.51	−16 15.4	1.094	1.966	20.5	18.5
6 30	20 52.75	−15 7.0	1.014	1.947	16.6	18.2
7 10	20 47.64	−14 4.0	0.951	1.928	11.8	17.8
7 20	20 39.72	−13 7.6	0.907	1.912	6.6	17.5
7 30	20 30.17	−12 18.6	0.885	1.897	3.5	17.3
8 9	20 20.65	−11 37.2	0.884	1.883	7.6	17.5
8 19	20 12.81	−11 3.1	0.904	1.872	13.1	17.7
8 29	20 7.99	−10 34.9	0.944	1.863	18.2	18.0

154808 2004 PF_{104} 7 28.5 16°.83 13°.4/21.4 17

6 20	21 5.40	−45 57.8	1.388	2.231	18.5	18.9
6 30	21 1.67	−47 43.3	1.342	2.234	16.2	18.8
7 10	20 53.76	−49 14.0	1.316	2.238	14.3	18.7
7 20	20 42.52	−50 17.4	1.309	2.242	13.5	18.6
7 30	20 29.70	−50 43.3	1.322	2.247	13.9	18.7
8 9	20 17.53	−50 28.3	1.356	2.253	15.6	18.8
8 19	20 7.95	−49 35.9	1.409	2.259	17.7	18.9
8 29	20 2.22	−48 14.0	1.479	2.266	19.9	19.1

208828 2002 RM_{46} 7 28.5 283°.22 5°.2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.86	−31 7.7	1.938	2.781	14.1	20.4
6 30	20 56.47	−31 50.4	1.850	2.765	11.3	20.1
7 10	20 49.45	−32 32.5	1.784	2.750	8.2	19.9
7 20	20 40.34	−33 7.7	1.741	2.734	5.7	19.7
7 30	20 30.08	−33 30.1	1.725	2.718	5.6	19.7
8 9	20 19.87	−33 35.4	1.735	2.703	8.0	19.8
8 19	20 10.90	−33 22.7	1.770	2.687	11.2	20.0
8 29	20 4.18	−32 53.4	1.826	2.671	14.4	20.2

515004 2009 QR_{31} 7 28.5 336°.72 9°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.54	+12 43.9	2.064	2.762	17.8	20.5
6 30	20 47.94	+12 50.5	1.969	2.753	16.0	20.3
7 10	20 43.45	+12 30.1	1.890	2.743	14.0	20.2
7 20	20 37.45	+11 39.6	1.831	2.734	11.9	20.0
7 30	20 30.61	+10 17.9	1.793	2.726	10.4	19.9
8 9	20 23.76	+ 8 28.2	1.779	2.719	9.9	19.9
8 19	20 17.72	+ 6 16.5	1.791	2.711	10.9	19.9
8 29	20 13.26	+ 3 51.7	1.827	2.705	12.9	20.0

358430 2007 DM_{16} 7 28.5 21°.86 0°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.40	−14 28.5	2.101	2.928	13.7	20.5
6 30	20 50.05	−15 6.8	2.021	2.930	10.7	20.3
7 10	20 44.78	−15 55.9	1.963	2.933	7.3	20.1
7 20	20 38.04	−16 53.0	1.930	2.936	3.5	19.9
7 30	20 30.52	−17 53.7	1.924	2.939	0.6	19.7
8 9	20 23.10	−18 53.4	1.946	2.943	4.5	20.0
8 19	20 16.59	−19 47.9	1.994	2.946	8.1	20.2
8 29	20 11.71	−20 34.3	2.067	2.950	11.4	20.4

351178 2004 BM_{67} 7 28.5 234°.54 0°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.78	−17 39.4	2.293	3.115	12.9	22.0
6 30	20 53.38	−17 56.0	2.198	3.104	10.1	21.8
7 10	20 47.01	−18 19.6	2.124	3.094	6.9	21.6
7 20	20 39.10	−18 47.6	2.077	3.083	3.2	21.4
7 30	20 30.34	−19 16.9	2.056	3.071	0.6	21.1
8 9	20 21.58	−19 44.2	2.065	3.059	4.5	21.4
8 19	20 13.68	−20 6.8	2.100	3.047	8.1	21.6
8 29	20 7.41	−20 23.1	2.161	3.035	11.3	21.8

310102 2010 TO_{14} 7 28.5 307°.11 4°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.21	− 6 9.7	2.268	3.059	13.9	21.2
6 30	20 50.48	− 5 56.6	2.180	3.058	11.4	21.0
7 10	20 44.97	− 5 56.4	2.114	3.057	8.6	20.8
7 20	20 38.11	− 6 9.1	2.071	3.056	5.7	20.7
7 30	20 30.53	− 6 33.4	2.054	3.055	4.0	20.6
8 9	20 23.02	− 7 6.8	2.065	3.053	5.1	20.6
8 19	20 16.33	− 7 46.1	2.102	3.052	7.9	20.8
8 29	20 11.12	− 8 27.7	2.165	3.052	10.8	21.0

24595 3230 $T\text{-}_3$ 7 28.5 248°.52 2°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.90	−24 54.4	2.557	3.388	11.4	20.5
6 30	20 52.58	−25 27.7	2.464	3.376	8.9	20.3
7 10	20 46.40	−26 3.5	2.394	3.365	6.1	20.1
7 20	20 38.79	−26 38.4	2.350	3.353	3.3	19.9
7 30	20 30.41	−27 8.5	2.334	3.341	2.7	19.8
8 9	20 22.04	−27 30.6	2.347	3.329	5.1	20.0
8 19	20 14.49	−27 42.9	2.386	3.317	8.1	20.2
8 29	20 8.46	−27 45.0	2.450	3.304	10.9	20.3

89727 2001 YB_{135} 7 28.5 354°.73 0°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.01	−18 26.1	1.759	2.604	15.2	19.5
6 30	20 51.74	−18 42.7	1.681	2.601	11.9	19.3
7 10	20 46.15	−19 7.5	1.624	2.599	8.0	19.1
7 20	20 38.75	−19 37.3	1.590	2.597	3.7	18.8
7 30	20 30.43	−20 8.0	1.581	2.596	0.9	18.6
8 9	20 22.24	−20 35.3	1.599	2.595	5.3	18.9
8 19	20 15.20	−20 56.4	1.642	2.595	9.5	19.2
8 29	20 10.18	−21 9.3	1.708	2.596	13.1	19.4

26819 1987 QH_7 7 28.5 319°.39 3°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.84	−24 29.2	1.356	2.225	17.5	18.2
6 30	20 53.72	−24 56.3	1.255	2.188	14.0	17.9
7 10	20 48.39	−25 30.0	1.172	2.152	9.7	17.5
7 20	20 40.20	−26 4.8	1.110	2.117	5.3	17.2
7 30	20 30.12	−26 33.4	1.072	2.082	4.0	17.0
8 9	20 19.68	−26 49.1	1.057	2.048	8.4	17.2
8 19	20 10.54	−26 48.1	1.064	2.015	13.6	17.3
8 29	20 4.22	−26 29.6	1.090	1.982	18.5	17.5

133660 2003 UD_{175} 7 28.5 343°.96 4°.9/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.28	−28 9.7	1.698	2.551	15.2	19.5
6 30	20 54.63	−29 7.1	1.625	2.549	12.0	19.3
7 10	20 48.28	−30 6.7	1.574	2.546	8.5	19.1
7 20	20 39.82	−31 1.8	1.546	2.544	5.5	18.9
7 30	20 30.25	−31 45.3	1.544	2.542	5.3	18.9
8 9	20 20.84	−32 12.2	1.567	2.541	8.1	19.1
8 19	20 12.80	−32 20.4	1.613	2.539	11.6	19.3
8 29	20 7.13	−32 11.0	1.682	2.538	14.9	19.5

516815 2010 OD_{75} 7 28.5 213°.23 7°.9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 6.59	−50 2.1	3.312	4.089	10.2	23.1
6 30	21 0.27	−51 8.3	3.243	4.080	9.1	23.0
7 10	20 51.66	−52 5.0	3.195	4.071	8.2	22.9
7 20	20 41.29	−52 46.7	3.173	4.061	7.9	22.9
7 30	20 29.99	−53 9.1	3.175	4.051	8.2	22.9
8 9	20 18.82	−53 10.2	3.202	4.041	9.1	23.0
8 19	20 8.76	−52 50.3	3.252	4.030	10.3	23.0
8 29	20 0.67	−52 12.0	3.323	4.018	11.5	23.1

513073 2017 WQ_{20} 7 28.5 229°.07 0°.7/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.41	−15 29.8	1.912	2.736	15.0	22.5
6 30	20 55.04	−15 40.1	1.821	2.728	11.8	22.3
7 10	20 48.35	−16 0.0	1.751	2.719	8.1	22.1
7 20	20 39.82	−16 27.3	1.705	2.710	4.0	21.8
7 30	20 30.25	−16 58.5	1.686	2.701	0.9	21.5
8 9	20 20.70	−17 29.7	1.694	2.691	5.0	21.8
8 19	20 12.20	−17 57.5	1.729	2.680	9.2	22.0
8 29	20 5.65	−18 19.5	1.787	2.670	12.9	22.3

503558 2016 FO_{48} 7 28.5 28°.69 5°.4/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.00	−26 58.6	1.196	2.068	19.1	21.0
6 30	20 56.83	−27 53.6	1.139	2.073	15.0	20.8
7 10	20 50.18	−28 52.3	1.101	2.079	10.5	20.6
7 20	20 40.80	−29 45.8	1.083	2.085	6.4	20.4
7 30	20 30.10	−30 25.1	1.088	2.092	5.8	20.3
8 9	20 19.83	−30 44.0	1.117	2.099	9.4	20.6
8 19	20 11.56	−30 41.1	1.167	2.107	13.7	20.8
8 29	20 6.46	−30 18.7	1.236	2.115	17.7	21.1

479697 2014 DY_{111} 7 28.5 243°.51 0°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.18	−18 23.5	1.934	2.767	14.5	22.0
6 30	20 54.05	−18 40.5	1.848	2.761	11.4	21.7
7 10	20 47.64	−19 5.0	1.784	2.756	7.7	21.5
7 20	20 39.47	−19 34.2	1.743	2.750	3.6	21.2
7 30	20 30.34	−20 4.0	1.730	2.744	0.9	21.0
8 9	20 21.28	−20 30.5	1.743	2.738	5.1	21.3
8 19	20 13.30	−20 51.0	1.783	2.732	9.1	21.5
8 29	20 7.24	−21 3.8	1.847	2.726	12.7	21.8

79309 1995 YH_{21} 7 28.5 251°.78 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.43	−24 31.9	1.741	2.585	15.3	20.5
6 30	20 56.38	−25 29.9	1.652	2.572	12.0	20.3
7 10	20 49.58	−26 34.6	1.584	2.558	8.3	20.0
7 20	20 40.52	−27 39.8	1.541	2.544	4.7	19.8
7 30	20 30.13	−28 38.0	1.524	2.529	4.1	19.7
8 9	20 19.67	−29 22.9	1.533	2.514	7.4	19.9
8 19	20 10.43	−29 51.0	1.567	2.499	11.5	20.1
8 29	20 3.51	−30 1.7	1.624	2.483	15.2	20.3

25055 1998 QM_{57} 7 28.5 269°.04 0°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.79	−18 42.4	1.929	2.763	14.4	19.3
6 30	20 53.77	−18 57.3	1.842	2.756	11.3	19.1
7 10	20 47.47	−19 19.4	1.776	2.749	7.7	18.9
7 20	20 39.40	−19 45.8	1.734	2.741	3.6	18.6
7 30	20 30.36	−20 12.7	1.719	2.734	0.9	18.4
8 9	20 21.39	−20 36.3	1.731	2.726	5.1	18.7
8 19	20 13.48	−20 53.8	1.769	2.719	9.2	18.9
8 29	20 7.49	−21 3.8	1.831	2.711	12.7	19.1

300747 2007 VV_{191} 7 28.5 284°.76 0°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.90	−17 24.3	2.021	2.851	14.0	21.3
6 30	20 53.11	−17 38.1	1.918	2.830	11.1	21.1
7 10	20 47.10	−18 0.1	1.837	2.808	7.6	20.8
7 20	20 39.28	−18 27.8	1.780	2.786	3.6	20.5
7 30	20 30.39	−18 57.9	1.750	2.765	0.7	20.2
8 9	20 21.41	−19 26.5	1.747	2.743	5.0	20.5
8 19	20 13.32	−19 50.4	1.770	2.721	9.1	20.7
8 29	20 7.04	−20 7.7	1.817	2.699	12.8	20.9

314132 2005 EK_{179} 7 28.5 90°.74 1°.0/28.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.65	−19 28.2	1.497	2.340	17.4	21.7
6 30	20 57.90	−19 49.0	1.437	2.356	13.6	21.5
7 10	20 50.35	−20 18.0	1.397	2.372	9.1	21.3
7 20	20 40.73	−20 50.4	1.380	2.387	4.2	21.1
7 30	20 30.17	−21 21.1	1.389	2.403	1.4	20.9
8 9	20 20.02	−21 45.2	1.423	2.418	6.0	21.3
8 19	20 11.49	−22 0.3	1.482	2.433	10.5	21.6
8 29	20 5.50	−22 5.5	1.564	2.447	14.4	21.8

504261 2006 VP_{52} 7 28.5 120°.22 0°.5/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.29	−17 8.7	1.722	2.551	16.1	21.6
6 30	20 57.29	−17 8.1	1.651	2.561	12.7	21.4
7 10	20 49.81	−17 15.5	1.601	2.571	8.6	21.2
7 20	20 40.45	−17 28.3	1.575	2.581	4.1	20.9
7 30	20 30.22	−17 43.1	1.575	2.590	0.8	20.7
8 9	20 20.27	−17 56.4	1.603	2.599	5.2	21.0
8 19	20 11.68	−18 6.0	1.656	2.608	9.5	21.3
8 29	20 5.32	−18 10.4	1.733	2.616	13.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261695 2005 YQ_{219}			7 28.5 105°.67		9°.9/27.5 17	
	h m	° ′			°	m
6 20	21 24.88	−39 46.4	1.083	1.926	22.6	20.0
6 30	21 17.08	−39 54.0	1.024	1.932	18.8	19.7
7 10	21 4.12	−39 45.8	0.982	1.937	14.5	19.5
7 20	20 47.30	−39 8.8	0.960	1.942	10.9	19.3
7 30	20 29.06	−37 54.3	0.961	1.947	10.0	19.3
8 9	20 12.28	−36 3.6	0.985	1.952	12.5	19.5
8 19	19 59.18	−33 47.1	1.031	1.957	16.6	19.7
8 29	19 50.91	−31 18.7	1.098	1.962	20.6	20.0
385173 2013 VH_{18}			7 28.5 190°.50		0°.3/28.4 17	
6 20	20 59.52	−17 58.8	1.822	2.654	15.2	21.4
6 30	20 55.19	−18 14.4	1.741	2.654	11.9	21.1
7 10	20 48.46	−18 38.1	1.681	2.653	8.1	20.9
7 20	20 39.88	−19 6.9	1.646	2.653	3.8	20.7
7 30	20 30.32	−19 36.6	1.637	2.651	0.8	20.4
8 9	20 20.90	−20 3.1	1.655	2.650	5.2	20.7
8 19	20 12.66	−20 23.7	1.698	2.649	9.4	21.0
8 29	20 6.49	−20 36.5	1.766	2.647	13.1	21.2
159093 2004 TB_{296}			7 28.5 204°.54		4°.2/31.7 18	
6 20	20 53.94	− 4 8.9	2.641	3.414	12.6	20.7
6 30	20 50.03	− 3 51.5	2.549	3.412	10.5	20.6
7 10	20 44.56	− 3 46.0	2.479	3.410	8.0	20.4
7 20	20 37.93	− 3 52.7	2.432	3.408	5.7	20.2
7 30	20 30.68	− 4 10.9	2.413	3.406	4.3	20.2
8 9	20 23.48	− 4 38.7	2.421	3.403	5.0	20.2
8 19	20 16.96	− 5 13.5	2.457	3.401	7.2	20.3
8 29	20 11.71	− 5 52.1	2.518	3.398	9.7	20.5
220863 2004 VX_{90}			7 28.5 30°.94		4°.6/31.8 18	
6 20	20 53.67	− 4 2.7	2.358	3.138	13.8	20.2
6 30	20 49.99	− 3 44.4	2.272	3.139	11.4	20.1
7 10	20 44.62	− 3 39.4	2.207	3.140	8.8	19.9
7 20	20 37.98	− 3 48.1	2.165	3.142	6.2	19.7
7 30	20 30.68	− 4 9.8	2.150	3.143	4.6	19.6
8 9	20 23.45	− 4 42.2	2.162	3.145	5.4	19.7
8 19	20 17.00	− 5 22.0	2.200	3.146	7.8	19.9
8 29	20 11.97	− 6 5.7	2.263	3.148	10.5	20.0
251911 1999 VT_{147}			7 28.5 304°.44		5°.7/24.9 18	
6 20	20 59.83	−34 3.2	2.184	3.021	12.9	20.1
6 30	20 55.34	−34 49.4	2.107	3.015	10.4	19.9
7 10	20 48.51	−35 32.5	2.051	3.009	7.8	19.7
7 20	20 39.88	−36 6.8	2.020	3.003	6.0	19.6
7 30	20 30.34	−36 26.9	2.016	2.998	6.0	19.6
8 9	20 20.96	−36 29.8	2.037	2.992	7.9	19.7
8 19	20 12.77	−36 15.0	2.084	2.986	10.5	19.8
8 29	20 6.60	−35 44.2	2.153	2.981	13.1	20.0
301910 1998 YM_{8}			7 28.5 271°.76		7°.7/24.2 17	
6 20	21 15.02	−42 14.8	2.441	3.238	12.9	20.5
6 30	21 7.45	−42 53.1	2.333	3.205	11.0	20.4
7 10	20 56.89	−43 23.2	2.247	3.172	9.1	20.2
7 20	20 43.93	−43 37.5	2.186	3.137	7.8	20.0
7 30	20 29.62	−43 29.6	2.153	3.102	8.0	20.0
8 9	20 15.35	−42 56.0	2.147	3.067	9.5	20.0
8 19	20 2.50	−41 57.7	2.167	3.030	11.8	20.1
8 29	19 52.20	−40 39.0	2.210	2.993	14.3	20.2
523653 2011 OA_{60}			7 28.5 24°.95		0°.0/28.9 18	
6 20	20 35.04	−17 2.1	35.064	35.871	1.0	20.8
6 30	20 34.31	−17 5.8	34.974	35.873	0.8	20.7
7 10	20 33.48	−17 9.8	34.910	35.875	0.5	20.7
7 20	20 32.59	−17 14.2	34.873	35.877	0.2	20.7
7 30	20 31.67	−17 18.7	34.865	35.880	0.1	20.6
8 9	20 30.75	−17 23.2	34.886	35.882	0.3	20.7
8 19	20 29.87	−17 27.7	34.936	35.884	0.6	20.7
8 29	20 29.07	−17 32.0	35.013	35.886	0.8	20.7
52793 1998 QN_{51}			7 28.5 85°.01		0°.3/28.6 18	
6 20	21 1.61	−17 28.9	1.310	2.160	19.0	18.3
6 30	20 57.68	−17 29.6	1.239	2.161	15.0	18.1
7 10	20 50.59	−17 40.8	1.187	2.162	10.3	17.8
7 20	20 41.02	−17 59.2	1.156	2.163	4.9	17.5
7 30	20 30.14	−18 20.3	1.149	2.164	0.8	17.2
8 9	20 19.51	−18 39.0	1.166	2.164	6.4	17.6
8 19	20 10.57	−18 52.1	1.208	2.165	11.6	17.9
8 29	20 4.45	−18 57.9	1.270	2.166	16.1	18.2
315062 2007 DW_{30}			7 28.5 200°.97		0°.4/28.9 18	
6 20	20 55.08	−15 24.8	2.711	3.523	11.4	22.4
6 30	20 50.93	−15 45.9	2.620	3.520	8.9	22.2
7 10	20 45.19	−16 14.4	2.551	3.517	6.1	22.0
7 20	20 38.24	−16 48.0	2.509	3.513	2.9	21.8
7 30	20 30.64	−17 24.2	2.495	3.509	0.6	21.6
8 9	20 23.09	−18 0.1	2.510	3.505	3.7	21.9
8 19	20 16.24	−18 33.1	2.553	3.501	6.8	22.1
8 29	20 10.69	−19 1.2	2.622	3.496	9.6	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
344929 2004 TK_{90}			7 28.5 293°.17		0°.1/28.5 18	
	h m	° ′			°	m
6 20	20 57.83	−17 48.1	1.689	2.529	15.9	21.8
6 30	20 54.32	−17 56.4	1.591	2.508	12.6	21.6
7 10	20 48.20	−18 13.6	1.513	2.487	8.7	21.3
7 20	20 39.91	−18 37.0	1.458	2.465	4.1	21.0
7 30	20 30.32	−19 2.9	1.429	2.444	0.8	20.6
8 9	20 20.62	−19 26.8	1.426	2.423	5.7	20.9
8 19	20 12.02	−19 45.4	1.448	2.402	10.4	21.2
8 29	20 5.61	−19 56.5	1.492	2.381	14.6	21.4
62124 2000 RP_{103}			7 28.5 256°.84		8°.5/ 1.9 18	
6 20	20 56.99	+ 2 7.9	1.892	2.651	17.4	18.3
6 30	20 53.13	+ 3 6.6	1.802	2.643	15.0	18.1
7 10	20 47.08	+ 3 47.5	1.729	2.634	12.5	17.9
7 20	20 39.27	+ 4 7.3	1.678	2.626	10.0	17.8
7 30	20 30.45	+ 4 4.1	1.651	2.617	8.6	17.7
8 9	20 21.61	+ 3 39.0	1.649	2.609	9.0	17.7
8 19	20 13.70	+ 2 55.4	1.670	2.600	11.0	17.8
8 29	20 7.62	+ 1 58.8	1.715	2.591	13.7	17.9
44553 1999 CH_{5}			7 28.5 250°.90		1°.8/27.4 18	
6 20	21 0.21	−23 25.4	2.296	3.124	12.6	18.2
6 30	20 55.40	−23 42.1	2.197	3.108	9.9	18.0
7 10	20 48.47	−24 1.8	2.121	3.092	6.7	17.8
7 20	20 39.87	−24 21.0	2.071	3.076	3.4	17.6
7 30	20 30.35	−24 36.2	2.048	3.059	2.1	17.4
8 9	20 20.84	−24 44.4	2.054	3.042	5.2	17.6
8 19	20 12.25	−24 43.9	2.087	3.025	8.7	17.8
8 29	20 5.40	−24 34.5	2.144	3.007	11.9	18.0
474606 2004 RR_{242}			7 28.5 54°.56		3°.7/26.3 18	
6 20	20 59.02	−28 37.0	2.168	3.006	12.9	20.6
6 30	20 54.46	−29 7.1	2.097	3.012	10.1	20.5
7 10	20 47.76	−29 36.9	2.048	3.017	7.1	20.3
7 20	20 39.47	−30 1.8	2.025	3.023	4.4	20.1
7 30	20 30.44	−30 17.6	2.028	3.029	4.0	20.1
8 9	20 21.64	−30 21.4	2.058	3.034	6.3	20.3
8 19	20 13.99	−30 12.6	2.115	3.040	9.3	20.5
8 29	20 8.23	−29 52.0	2.195	3.046	12.0	20.7
445398 2010 TZ_{12}			7 28.5 112°.39		4°.4/31.6 18	
6 20	20 54.56	− 4 41.8	2.356	3.137	13.7	21.1
6 30	20 50.67	− 4 24.9	2.271	3.140	11.3	21.0
7 10	20 45.07	− 4 21.0	2.208	3.143	8.6	20.8
7 20	20 38.20	− 4 30.4	2.168	3.147	6.0	20.6
7 30	20 30.66	− 4 52.1	2.155	3.150	4.4	20.5
8 9	20 23.22	− 5 23.8	2.169	3.153	5.3	20.6
8 19	20 16.57	− 6 2.4	2.209	3.156	7.8	20.8
8 29	20 11.35	− 6 44.3	2.275	3.160	10.4	20.9
345521 2006 KK_{72}			7 28.5 305°.24		1°.0/27.8 18	
6 20	20 55.93	−18 9.1	1.818	2.658	15.0	20.8
6 30	20 52.49	−18 53.3	1.736	2.654	11.7	20.5
7 10	20 46.72	−19 47.6	1.675	2.650	7.9	20.3
7 20	20 39.11	−20 48.0	1.638	2.646	3.7	20.0
7 30	20 30.49	−21 48.8	1.628	2.642	1.4	19.9
8 9	20 21.91	−22 44.5	1.644	2.638	5.5	20.1
8 19	20 14.42	−23 30.8	1.686	2.634	9.6	20.4
8 29	20 8.92	−24 5.2	1.751	2.630	13.3	20.6
94034 2000 XB_{46}			7 28.5 119°.35		13°.2/21.2 18	
6 20	21 26.07	−58 25.4	2.158	2.907	15.8	19.4
6 30	21 17.14	−59 44.4	2.122	2.920	14.5	19.4
7 10	21 3.74	−60 43.4	2.104	2.934	13.6	19.3
7 20	20 47.04	−61 12.5	2.107	2.946	13.2	19.3
7 30	20 29.15	−61 5.0	2.131	2.959	13.4	19.4
8 9	20 12.51	−60 20.1	2.175	2.971	14.2	19.5
8 19	19 59.07	−59 2.9	2.240	2.982	15.3	19.6
8 29	19 49.90	−57 21.4	2.322	2.994	16.4	19.7
469339 2000 SG_{196}			7 28.5 327°.72		2°.2/27.6 18	
6 20	20 54.23	−22 1.5	1.270	2.142	18.2	20.7
6 30	20 52.38	−22 16.4	1.183	2.119	14.4	20.4
7 10	20 47.38	−22 39.0	1.114	2.096	9.9	20.1
7 20	20 39.69	−23 4.6	1.065	2.074	4.8	19.7
7 30	20 30.37	−23 27.3	1.040	2.053	2.6	19.5
8 9	20 20.96	−23 41.3	1.037	2.033	7.5	19.8
8 19	20 13.03	−23 43.1	1.057	2.015	12.8	20.0
8 29	20 7.92	−23 31.7	1.095	1.998	17.7	20.2
100401 1995 YS_{17}			7 28.5 277°.73		0°.3/28.7 18	
6 20	20 55.28	−16 3.2	2.254	3.078	13.0	20.7
6 30	20 51.56	−16 23.7	2.154	3.061	10.2	20.5
7 10	20 45.90	−16 52.9	2.076	3.045	7.0	20.2
7 20	20 38.68	−17 28.4	2.022	3.028	3.4	20.0
7 30	20 30.58	−18 7.2	1.996	3.011	0.6	19.7
8 9	20 22.43	−18 45.4	1.998	2.994	4.4	20.0
8 19	20 15.07	−19 19.9	2.027	2.977	8.1	20.2
8 29	20 9.28	−19 48.3	2.080	2.960	11.5	20.4

33881 2000 JK_{66} 7 28.5 337°.79 0°.7/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.58	−11 38.6	0.835	1.737	22.4	16.2
6 30	20 40.91	−12 59.3	0.756	1.709	17.9	15.8
7 10	20 40.13	−14 59.4	0.693	1.683	12.4	15.4
7 20	20 36.48	−17 36.2	0.648	1.659	5.8	14.9
7 30	20 30.93	−20 37.6	0.622	1.637	1.6	14.5
8 9	20 25.12	−23 43.2	0.616	1.618	8.9	14.9
8 19	20 20.94	−26 31.3	0.628	1.601	15.9	15.2
8 29	20 20.16	−28 45.8	0.657	1.588	22.1	15.5

450320 2004 SN_{19} 7 28.5 300°.31 8°.7/ 3.6 17

6 20	20 52.38	+ 6 49.7	2.266	2.992	15.7	21.2
6 30	20 49.27	+ 7 30.7	2.162	2.973	13.9	21.0
7 10	20 44.35	+ 7 53.0	2.076	2.953	11.9	20.9
7 20	20 37.97	+ 7 53.6	2.011	2.934	10.0	20.7
7 30	20 30.72	+ 7 31.0	1.969	2.916	8.8	20.6
8 9	20 23.38	+ 6 46.1	1.952	2.897	8.9	20.6
8 19	20 16.72	+ 5 42.1	1.959	2.878	10.2	20.6
8 29	20 11.50	+ 4 24.4	1.990	2.860	12.3	20.7

192161 2007 CY_{3} 7 28.5 30°.39 1°.3/29.2 17

6 20	20 54.41	−13 18.8	1.151	2.013	20.4	19.4
6 30	20 52.05	−13 40.2	1.102	2.030	16.0	19.2
7 10	20 46.70	−14 19.1	1.072	2.048	11.0	19.0
7 20	20 39.13	−15 11.4	1.061	2.068	5.5	18.8
7 30	20 30.56	−16 10.6	1.074	2.088	1.4	18.5
8 9	20 22.47	−17 9.2	1.109	2.110	6.2	18.9
8 19	20 16.12	−18 1.0	1.168	2.132	11.2	19.3
8 29	20 12.44	−18 42.1	1.247	2.155	15.5	19.6

508100 2015 DY_{151} 7 28.5 70°.10 0°.6/28.2 17

6 20	20 57.84	−17 14.7	1.622	2.464	16.4	21.5
6 30	20 54.09	−17 51.7	1.554	2.473	12.8	21.3
7 10	20 47.82	−18 39.6	1.507	2.481	8.6	21.1
7 20	20 39.63	−19 33.9	1.483	2.490	4.0	20.8
7 30	20 30.47	−20 29.1	1.484	2.499	1.1	20.6
8 9	20 21.53	−21 19.3	1.512	2.508	5.6	20.9
8 19	20 13.91	−22 0.4	1.565	2.517	10.0	21.2
8 29	20 8.52	−22 30.2	1.641	2.526	13.7	21.5

393247 2013 RE_{37} 7 28.5 355°.09 4°.0/30.6 17

6 20	20 51.31	− 8 50.0	1.148	2.003	20.9	20.6
6 30	20 49.92	− 8 47.1	1.078	1.998	17.0	20.4
7 10	20 45.54	− 9 6.2	1.025	1.994	12.4	20.1
7 20	20 38.74	− 9 47.1	0.992	1.991	7.4	19.8
7 30	20 30.61	−10 45.9	0.979	1.990	4.0	19.6
8 9	20 22.59	−11 55.7	0.990	1.990	6.9	19.8
8 19	20 16.10	−13 8.1	1.022	1.990	11.8	20.1
8 29	20 12.30	−14 15.6	1.074	1.992	16.5	20.3

8296 Miyama 7 28.5 226°.90 1°.7/27.3 18

6 20	20 59.56	−23 33.7	2.714	3.534	11.1	18.3
6 30	20 54.52	−23 53.3	2.615	3.522	8.7	18.1
7 10	20 47.69	−24 15.3	2.540	3.510	5.9	17.9
7 20	20 39.47	−24 36.7	2.492	3.496	3.0	17.7
7 30	20 30.50	−24 54.5	2.472	3.483	1.9	17.6
8 9	20 21.55	−25 6.0	2.482	3.469	4.6	17.8
8 19	20 13.37	−25 9.8	2.519	3.454	7.6	17.9
8 29	20 6.67	−25 5.4	2.583	3.438	10.3	18.1

489081 2006 AK_{66} 7 28.5 236°.98 0°.8/28.9 17

6 20	21 0.38	−15 54.4	2.074	2.891	14.2	22.8
6 30	20 55.68	−15 54.0	1.976	2.879	11.2	22.6
7 10	20 48.75	−16 1.4	1.899	2.866	7.8	22.3
7 20	20 40.07	−16 14.8	1.848	2.852	3.9	22.1
7 30	20 30.38	−16 31.3	1.824	2.838	0.9	21.8
8 9	20 20.68	−16 48.2	1.828	2.824	4.8	22.1
8 19	20 11.94	−17 2.8	1.859	2.809	8.7	22.3
8 29	20 5.03	−17 13.3	1.914	2.793	12.3	22.5

472020 2013 XF_{18} 7 28.5 240°.87 7°.6/ 1.0 17

6 20	20 59.63	− 0 8.8	2.042	2.800	16.3	21.5
6 30	20 55.07	+ 0 54.9	1.944	2.789	13.9	21.3
7 10	20 48.34	+ 1 44.2	1.866	2.777	11.4	21.1
7 20	20 39.88	+ 2 16.2	1.811	2.765	9.0	20.9
7 30	20 30.41	+ 2 29.1	1.781	2.752	7.6	20.8
8 9	20 20.88	+ 2 23.2	1.776	2.739	8.2	20.8
8 19	20 12.22	+ 2 0.8	1.797	2.726	10.4	20.9
8 29	20 5.31	+ 1 26.1	1.842	2.712	13.2	21.1

36836 2000 SN_{109} 7 28.5 236°.10 0°.1/28.6 18

6 20	20 58.39	−16 56.2	1.809	2.641	15.3	19.5
6 30	20 54.37	−17 10.9	1.726	2.638	12.1	19.3
7 10	20 47.96	−17 34.8	1.664	2.635	8.2	19.1
7 20	20 39.71	−18 4.9	1.626	2.632	3.9	18.8
7 30	20 30.45	−18 37.4	1.614	2.629	0.7	18.6
8 9	20 21.30	−19 8.0	1.629	2.625	5.2	18.9
8 19	20 13.28	−19 33.5	1.669	2.622	9.4	19.1
8 29	20 7.30	−19 51.7	1.733	2.618	13.1	19.4

459667 2013 LC_{9} 7 28.5 10°.50 4°.7/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.40	−22 32.8	0.972	1.865	20.8	19.7
6 30	20 51.46	−23 49.9	0.919	1.866	16.2	19.4
7 10	20 46.92	−25 19.3	0.883	1.869	11.0	19.2
7 20	20 39.46	−26 50.8	0.867	1.874	6.1	18.9
7 30	20 30.51	−28 12.2	0.871	1.880	5.3	18.9
8 9	20 21.90	−29 13.2	0.897	1.887	9.7	19.2
8 19	20 15.33	−29 48.8	0.943	1.895	14.7	19.5
8 29	20 12.05	−29 59.0	1.007	1.905	19.2	19.8

476446 2008 EN_{40} 7 28.5 120°.28 2°.2/27.1 18

6 20	20 59.72	−25 10.6	2.443	3.271	12.0	21.7
6 30	20 54.66	−25 30.0	2.370	3.281	9.3	21.6
7 10	20 47.73	−25 50.6	2.321	3.291	6.3	21.4
7 20	20 39.45	−26 9.0	2.297	3.301	3.4	21.2
7 30	20 30.54	−26 22.0	2.302	3.310	2.5	21.2
8 9	20 21.84	−26 27.1	2.335	3.320	5.0	21.4
8 19	20 14.15	−26 23.5	2.396	3.329	7.9	21.6
8 29	20 8.12	−26 11.3	2.481	3.338	10.6	21.8

364563 2007 JL_{19} 7 28.5 177°.55 4°.4/ 1.3 18

6 20	20 53.64	− 2 2.7	2.799	3.557	12.3	21.7
6 30	20 49.71	− 1 54.6	2.707	3.559	10.3	21.6
7 10	20 44.33	− 1 59.3	2.637	3.559	8.0	21.4
7 20	20 37.85	− 2 17.0	2.591	3.560	5.8	21.3
7 30	20 30.81	− 2 46.9	2.573	3.560	4.5	21.2
8 9	20 23.81	− 3 26.8	2.582	3.560	5.0	21.2
8 19	20 17.45	− 4 13.8	2.618	3.560	7.0	21.4
8 29	20 12.28	− 5 4.5	2.681	3.559	9.3	21.5

76217 2000 EC_{67} 7 28.5 266°.36 2°.2/29.9 18

6 20	20 55.93	−11 26.3	2.021	2.836	14.6	19.8
6 30	20 52.19	−11 29.2	1.931	2.829	11.7	19.6
7 10	20 46.37	−11 43.9	1.861	2.822	8.3	19.4
7 20	20 38.94	−12 8.9	1.815	2.815	4.6	19.1
7 30	20 30.61	−12 42.0	1.796	2.808	2.2	19.0
8 9	20 22.31	−13 19.5	1.804	2.801	4.8	19.1
8 19	20 14.93	−13 57.8	1.839	2.793	8.5	19.3
8 29	20 9.28	−14 33.7	1.897	2.786	12.0	19.5

59889 1999 RV_{129} 7 28.5 266°.10 1°.5/29.7 18

6 20	20 53.92	−11 13.8	2.308	3.118	13.1	19.0
6 30	20 50.39	−11 41.1	2.213	3.110	10.5	18.8
7 10	20 45.05	−12 20.5	2.141	3.102	7.4	18.5
7 20	20 38.29	−13 10.0	2.093	3.094	4.0	18.3
7 30	20 30.75	−14 6.5	2.073	3.086	1.5	18.1
8 9	20 23.19	−15 6.0	2.081	3.078	4.2	18.3
8 19	20 16.40	−16 4.3	2.116	3.069	7.6	18.5
8 29	20 11.09	−16 58.0	2.177	3.061	10.8	18.7

352956 2009 BJ_{35} 7 28.5 246°.93 1°.2/27.7 18

6 20	20 57.11	−19 25.2	2.078	2.910	13.6	21.3
6 30	20 53.18	−20 5.4	1.988	2.902	10.6	21.1
7 10	20 47.10	−20 53.6	1.919	2.892	7.2	20.8
7 20	20 39.31	−21 46.0	1.876	2.883	3.4	20.6
7 30	20 30.57	−22 37.8	1.860	2.874	1.6	20.4
8 9	20 21.81	−23 24.3	1.872	2.864	5.2	20.7
8 19	20 14.00	−24 2.0	1.910	2.854	9.0	20.9
8 29	20 7.98	−24 29.1	1.973	2.844	12.4	21.1

132391 2002 GM_{92} 7 28.5 349°.68 0°.2/28.6 18

6 20	20 47.95	−17 51.6	1.080	1.966	19.7	18.7
6 30	20 47.62	−17 49.2	1.008	1.950	15.6	18.4
7 10	20 44.19	−17 58.5	0.952	1.937	10.7	18.1
7 20	20 38.19	−18 16.9	0.916	1.926	5.1	17.8
7 30	20 30.76	−18 39.8	0.901	1.916	0.9	17.4
8 9	20 23.43	−19 1.6	0.908	1.909	6.8	17.8
8 19	20 17.71	−19 17.5	0.935	1.905	12.5	18.1
8 29	20 14.82	−19 24.5	0.981	1.902	17.4	18.4

401872 2001 BR_{70} 7 28.5 132°.83 0°.4/28.3 18

6 20	21 0.85	−20 45.0	2.881	3.690	10.8	21.3
6 30	20 55.13	−20 36.7	2.802	3.702	8.4	21.2
7 10	20 47.85	−20 30.7	2.747	3.714	5.6	21.0
7 20	20 39.47	−20 25.1	2.720	3.725	2.6	20.8
7 30	20 30.59	−20 18.2	2.722	3.736	0.7	20.7
8 9	20 21.91	−20 8.7	2.754	3.747	3.6	20.9
8 19	20 14.09	−19 55.8	2.815	3.757	6.5	21.1
8 29	20 7.67	−19 39.4	2.903	3.767	9.1	21.3

312544 2009 FA_{7} 7 28.5 41°.81 2°.6/27.3 17

6 20	21 0.08	−21 41.8	1.338	2.197	18.2	20.9
6 30	20 56.53	−22 21.0	1.272	2.200	14.3	20.6
7 10	20 49.87	−23 8.6	1.224	2.203	9.6	20.4
7 20	20 40.74	−23 58.7	1.198	2.206	4.8	20.1
7 30	20 30.35	−24 43.7	1.197	2.209	3.0	20.0
8 9	20 20.22	−25 17.5	1.220	2.212	7.3	20.3
8 19	20 11.76	−25 36.6	1.267	2.216	12.1	20.6
8 29	20 6.10	−25 40.6	1.334	2.219	16.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
14036 1995 EY_7			7 28.5 209°.92		3°.9/31.2 18	
	h m	° ′			°	m
6 20	20 55.89	− 6 1.9	2.262	3.049	14.1	17.8
6 30	20 51.88	− 5 53.1	2.170	3.045	11.6	17.6
7 10	20 46.02	− 5 57.6	2.100	3.042	8.7	17.4
7 20	20 38.75	− 6 15.2	2.053	3.038	5.8	17.2
7 30	20 30.71	− 6 44.6	2.033	3.034	4.0	17.1
8 9	20 22.70	− 7 23.3	2.041	3.029	5.2	17.2
8 19	20 15.50	− 8 7.5	2.075	3.025	8.0	17.4
8 29	20 9.82	− 8 53.7	2.134	3.020	11.0	17.5
213652 2002 RK_{184}			7 28.5 234°.91		0°.9/28.1 18	
6 20	21 1.29	−21 29.1	2.199	3.023	13.2	20.4
6 30	20 56.22	−21 27.7	2.106	3.015	10.4	20.2
7 10	20 49.02	−21 29.5	2.037	3.007	7.0	20.0
7 20	20 40.17	−21 31.8	1.992	2.999	3.3	19.7
7 30	20 30.47	−21 31.7	1.976	2.990	1.2	19.5
8 9	20 20.85	−21 27.1	1.988	2.981	4.8	19.8
8 19	20 12.25	−21 16.6	2.027	2.971	8.5	20.0
8 29	20 5.47	−21 0.2	2.091	2.962	11.8	20.2
221836 2008 EC_{160}			7 28.5 63°.01		0°.5/28.8 17	
6 20	20 59.32	−15 32.8	1.420	2.264	18.2	20.7
6 30	20 55.44	−15 53.7	1.362	2.280	14.2	20.5
7 10	20 48.81	−16 27.2	1.323	2.296	9.6	20.2
7 20	20 40.12	−17 9.3	1.306	2.312	4.6	20.0
7 30	20 30.49	−17 54.7	1.314	2.329	0.8	19.8
8 9	20 21.23	−18 37.7	1.347	2.345	5.8	20.2
8 19	20 13.53	−19 14.0	1.405	2.362	10.4	20.5
8 29	20 8.30	−19 41.1	1.485	2.379	14.4	20.8
474468 2003 SX_{183}			7 28.5 320°.32		1°.5/29.2 18	
6 20	20 53.57	−14 38.5	1.444	2.295	17.6	21.1
6 30	20 51.46	−14 35.8	1.345	2.267	14.1	20.8
7 10	20 46.58	−14 45.6	1.265	2.239	9.9	20.5
7 20	20 39.33	−15 6.9	1.206	2.212	5.1	20.2
7 30	20 30.58	−15 36.5	1.171	2.185	1.6	19.8
8 9	20 21.60	−16 9.7	1.160	2.159	6.1	20.1
8 19	20 13.76	−16 41.8	1.172	2.134	11.3	20.3
8 29	20 8.29	−17 8.9	1.205	2.111	16.1	20.5
56413 2000 FU_{40}			7 28.5 133°.42		1°.4/29.3 17	
6 20	21 0.02	−12 27.9	1.448	2.282	18.4	20.0
6 30	20 56.11	−12 57.0	1.378	2.288	14.6	19.8
7 10	20 49.41	−13 42.7	1.326	2.294	10.1	19.6
7 20	20 40.49	−14 41.8	1.296	2.300	5.1	19.3
7 30	20 30.42	−15 48.6	1.291	2.306	1.4	19.1
8 9	20 20.52	−16 56.0	1.313	2.311	5.8	19.4
8 19	20 12.07	−17 57.9	1.359	2.316	10.7	19.7
8 29	20 6.10	−18 49.9	1.427	2.320	14.9	19.9
133200 2003 QU_{62}			7 28.5 333°.05		0°.3/28.3 18	
6 20	20 56.30	−16 40.3	1.768	2.606	15.4	19.8
6 30	20 52.82	−17 15.0	1.688	2.604	12.1	19.5
7 10	20 46.99	−18 0.7	1.629	2.603	8.2	19.3
7 20	20 39.31	−18 53.8	1.594	2.601	3.8	19.0
7 30	20 30.64	−19 49.1	1.585	2.600	0.8	18.8
8 9	20 22.04	−20 41.1	1.603	2.599	5.3	19.1
8 19	20 14.57	−21 25.8	1.646	2.597	9.5	19.4
8 29	20 9.13	−22 0.2	1.712	2.596	13.3	19.6
308139 2004 YW_{23}			7 28.5 141°.24		1°.0/27.9 17	
6 20	21 1.51	−17 52.0	1.718	2.551	16.0	21.0
6 30	20 56.88	−18 37.3	1.647	2.560	12.5	20.8
7 10	20 49.70	−19 32.9	1.597	2.569	8.4	20.5
7 20	20 40.56	−20 34.0	1.571	2.578	3.9	20.3
7 30	20 30.43	−21 34.5	1.572	2.586	1.4	20.1
8 9	20 20.48	−22 28.5	1.600	2.593	5.7	20.4
8 19	20 11.85	−23 12.1	1.654	2.600	9.9	20.7
8 29	20 5.45	−23 43.3	1.731	2.606	13.6	21.0
79993 1999 FU_4			7 28.5 37°.59		0°.9/29.1 18	
6 20	20 55.94	−14 52.1	1.958	2.785	14.5	20.0
6 30	20 52.20	−15 3.3	1.880	2.789	11.4	19.8
7 10	20 46.36	−15 24.3	1.824	2.792	7.9	19.6
7 20	20 38.94	−15 52.7	1.791	2.796	3.9	19.4
7 30	20 30.71	−16 25.2	1.785	2.800	1.0	19.1
8 9	20 22.63	−16 58.2	1.806	2.804	4.6	19.4
8 19	20 15.57	−17 28.3	1.854	2.808	8.5	19.7
8 29	20 10.31	−17 53.2	1.925	2.812	11.9	19.9
164142 2003 YB_{91}			7 28.5 326°.57		3°.0/26.3 18	
6 20	20 51.65	−18 34.9	1.453	2.316	16.9	18.4
6 30	20 50.03	−20 11.7	1.364	2.295	13.2	18.1
7 10	20 45.66	−22 7.5	1.294	2.275	8.9	17.8
7 20	20 38.93	−24 15.1	1.248	2.256	4.5	17.5
7 30	20 30.68	−26 24.2	1.227	2.237	3.6	17.4
8 9	20 22.20	−28 23.1	1.232	2.220	8.0	17.6
8 19	20 14.86	−30 2.8	1.261	2.203	12.7	17.9
8 29	20 9.94	−31 18.2	1.310	2.187	17.0	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
84262 2002 SN_{54}			7 28.5 286°.04		2°.0/29.4 18	
	h m	° ′			°	m
6 20	20 58.90	−14 7.9	1.539	2.375	17.4	19.7
6 30	20 55.36	−13 55.5	1.446	2.358	14.0	19.5
7 10	20 49.03	−13 54.3	1.373	2.342	9.9	19.2
7 20	20 40.42	−14 3.2	1.322	2.325	5.2	18.9
7 30	20 30.44	−14 19.5	1.295	2.309	2.0	18.6
8 9	20 20.39	−14 39.7	1.294	2.292	5.9	18.8
8 19	20 11.55	−15 0.0	1.318	2.276	10.8	19.1
8 29	20 5.07	−15 17.5	1.363	2.260	15.2	19.3
266470 2007 VJ_{326}			7 28.5 279°.71		2°.6/27.3 18	
6 20	21 0.59	−22 27.7	1.483	2.335	17.1	21.1
6 30	20 57.01	−22 59.0	1.393	2.317	13.5	20.8
7 10	20 50.35	−23 38.0	1.322	2.299	9.3	20.5
7 20	20 41.11	−24 19.5	1.274	2.281	4.7	20.2
7 30	20 30.32	−24 56.7	1.251	2.262	3.0	20.1
8 9	20 19.42	−25 23.6	1.252	2.243	7.3	20.3
8 19	20 9.90	−25 36.6	1.278	2.225	12.2	20.5
8 29	20 3.04	−25 35.0	1.325	2.206	16.6	20.7
359497 2010 OJ_{127}			7 28.5 333°.81		7°.4/ 1.8 18	
6 20	20 53.07	− 0 16.2	1.834	2.615	17.1	20.2
6 30	20 50.17	+ 0 26.7	1.745	2.606	14.6	20.0
7 10	20 45.15	+ 0 51.6	1.676	2.598	11.8	19.8
7 20	20 38.45	+ 0 56.1	1.627	2.590	9.1	19.6
7 30	20 30.80	+ 0 39.5	1.602	2.582	7.4	19.5
8 9	20 23.16	+ 0 3.7	1.601	2.575	8.0	19.5
8 19	20 16.45	− 0 47.3	1.625	2.568	10.3	19.7
8 29	20 11.52	− 1 47.8	1.671	2.562	13.2	19.8
209234 2003 WP_{93}			7 28.5 248°.82		0°.5/28.2 18	
6 20	20 58.77	−18 58.3	2.150	2.976	13.4	21.6
6 30	20 54.41	−19 14.0	2.053	2.963	10.6	21.4
7 10	20 47.91	−19 36.2	1.979	2.950	7.2	21.2
7 20	20 39.73	−20 2.1	1.930	2.936	3.4	20.9
7 30	20 30.59	−20 28.1	1.908	2.923	0.9	20.7
8 9	20 21.45	−20 50.9	1.914	2.908	4.8	20.9
8 19	20 13.23	−21 7.9	1.947	2.894	8.6	21.1
8 29	20 6.76	−21 17.6	2.004	2.879	12.1	21.3
94073 2000 YA_{39}			7 28.5 13°.93		2°.2/26.7 18	
6 20	20 55.06	−21 11.4	2.231	3.067	12.7	19.0
6 30	20 51.45	−22 20.3	2.151	3.067	9.8	18.8
7 10	20 45.86	−23 36.6	2.094	3.068	6.6	18.6
7 20	20 38.73	−24 55.3	2.063	3.068	3.4	18.4
7 30	20 30.77	−26 10.7	2.059	3.068	2.6	18.4
8 9	20 22.84	−27 17.6	2.084	3.069	5.5	18.6
8 19	20 15.79	−28 12.4	2.136	3.069	8.8	18.8
8 29	20 10.38	−28 53.3	2.212	3.070	11.7	19.0
65305 2002 JC_{60}			7 28.5 58°.45		0°.8/28.1 18	
6 20	20 59.72	−17 33.9	1.273	2.129	19.2	19.5
6 30	20 56.09	−18 10.3	1.220	2.145	14.9	19.3
7 10	20 49.43	−18 59.1	1.185	2.162	10.0	19.1
7 20	20 40.48	−19 54.7	1.171	2.179	4.6	18.8
7 30	20 30.49	−20 50.0	1.182	2.197	1.3	18.7
8 9	20 20.95	−21 38.1	1.218	2.214	6.5	19.0
8 19	20 13.16	−22 14.8	1.277	2.232	11.4	19.4
8 29	20 8.12	−22 38.2	1.357	2.250	15.5	19.7
284596 2007 TX_{321}			7 28.5 321°.21		0°.3/28.4 18	
6 20	20 57.73	−19 34.2	1.601	2.448	16.3	20.3
6 30	20 54.32	−19 27.5	1.512	2.433	12.9	20.1
7 10	20 48.24	−19 26.9	1.443	2.419	8.8	19.8
7 20	20 40.01	−19 29.9	1.397	2.404	4.2	19.5
7 30	20 30.57	−19 33.1	1.376	2.391	0.8	19.2
8 9	20 21.16	−19 33.2	1.380	2.378	5.8	19.5
8 19	20 13.01	−19 28.3	1.409	2.365	10.4	19.8
8 29	20 7.16	−19 17.3	1.460	2.353	14.6	20.0
126286 2002 AC_{104}			7 28.5 250°.35		0°.2/28.5 18	
6 20	20 59.14	−17 40.3	1.881	2.711	14.9	20.6
6 30	20 55.00	−17 56.5	1.789	2.700	11.8	20.3
7 10	20 48.48	−18 21.3	1.718	2.689	8.0	20.1
7 20	20 40.06	−18 51.8	1.671	2.678	3.8	19.8
7 30	20 30.56	−19 23.9	1.651	2.666	0.7	19.5
8 9	20 21.06	−19 53.5	1.658	2.654	5.2	19.8
8 19	20 12.61	−20 17.4	1.691	2.641	9.4	20.1
8 29	20 6.16	−20 33.6	1.748	2.629	13.2	20.3
470619 2008 RE_{128}			7 28.5 266°.75		4°.2/31.2 16	
6 20	20 55.84	− 6 5.6	1.860	2.661	16.2	21.9
6 30	20 52.39	− 6 4.0	1.765	2.649	13.3	21.7
7 10	20 46.71	− 6 19.2	1.689	2.637	10.0	21.5
7 20	20 39.23	− 6 51.1	1.636	2.625	6.5	21.3
7 30	20 30.70	− 7 38.0	1.609	2.612	4.3	21.1
8 9	20 22.11	− 8 36.0	1.607	2.600	5.8	21.2
8 19	20 14.45	− 9 40.0	1.632	2.587	9.4	21.3
8 29	20 8.63	−10 44.5	1.680	2.574	13.0	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
95670 2002 GR_{161}			7 28.5	42°.77	9°.0/22.2	18
	h m	° ′			°	m
6 20	21 2.26	−42 27.7	2.080	2.908	13.8	18.9
6 30	20 57.69	−43 48.7	2.026	2.914	11.7	18.8
7 10	20 50.35	−45 0.9	1.993	2.920	9.9	18.7
7 20	20 40.91	−45 56.5	1.984	2.927	9.0	18.6
7 30	20 30.45	−46 29.0	1.999	2.934	9.4	18.7
8 9	20 20.30	−46 35.5	2.038	2.941	10.8	18.8
8 19	20 11.66	−46 16.8	2.099	2.948	12.7	18.9
8 29	20 5.48	−45 36.4	2.180	2.956	14.6	19.1
214999 2008 CY_{129}			7 28.5	248°.62	1°.9/29.9	18
6 20	20 55.06	−11 4.9	2.239	3.048	13.5	21.1
6 30	20 51.33	−11 17.9	2.147	3.042	10.8	20.9
7 10	20 45.73	−11 42.3	2.076	3.035	7.7	20.6
7 20	20 38.68	−12 16.8	2.030	3.029	4.3	20.4
7 30	20 30.83	−12 58.6	2.011	3.022	1.9	20.3
8 9	20 22.99	−13 44.3	2.019	3.016	4.3	20.4
8 19	20 15.97	−14 30.1	2.055	3.009	7.8	20.6
8 29	20 10.49	−15 12.9	2.116	3.002	11.0	20.8
2647 Sova			7 28.5	265°.86	0°.8/28.9	18
6 20	21 1.18	−16 25.1	1.513	2.351	17.5	16.4
6 30	20 57.23	−16 21.2	1.422	2.337	14.0	16.1
7 10	20 50.36	−16 27.2	1.351	2.322	9.7	15.8
7 20	20 41.09	−16 41.0	1.302	2.308	4.8	15.5
7 30	20 30.40	−16 59.0	1.278	2.292	1.0	15.2
8 9	20 19.65	−17 17.0	1.279	2.277	6.0	15.5
8 19	20 10.22	−17 31.7	1.305	2.262	11.1	15.7
8 29	20 3.28	−17 40.8	1.354	2.246	15.6	16.0
186926 2004 PG_{67}			7 28.6	76°.33	4°.5/31.3	18
6 20	20 56.76	− 5 55.5	2.239	3.024	14.2	19.9
6 30	20 52.47	− 5 20.3	2.160	3.032	11.7	19.7
7 10	20 46.36	− 4 57.1	2.103	3.041	8.9	19.5
7 20	20 38.92	− 4 46.4	2.069	3.049	6.1	19.4
7 30	20 30.82	− 4 47.9	2.061	3.057	4.6	19.3
8 9	20 22.86	− 4 59.7	2.081	3.065	5.6	19.4
8 19	20 15.80	− 5 19.4	2.128	3.073	8.1	19.5
8 29	20 10.29	− 5 43.9	2.199	3.081	10.8	19.7
431978 2008 UC_{173}			7 28.6	0°.23	11°.9/22.1	16
6 20	20 57.50	−39 53.0	1.248	2.118	18.6	19.9
6 30	20 55.56	−41 36.9	1.196	2.115	15.7	19.7
7 10	20 49.79	−43 12.2	1.162	2.113	13.2	19.5
7 20	20 40.92	−44 26.4	1.149	2.112	11.9	19.4
7 30	20 30.46	−45 8.1	1.156	2.113	12.4	19.5
8 9	20 20.41	−45 12.1	1.184	2.115	14.5	19.6
8 19	20 12.56	−44 39.8	1.231	2.118	17.3	19.8
8 29	20 8.22	−43 37.4	1.294	2.123	20.0	20.0
93946 2000 WW_{174}			7 28.6	319°.78	4°.5/31.2	18 R
6 20	20 51.80	− 6 17.3	1.459	2.287	18.6	19.5
6 30	20 49.91	− 6 22.0	1.366	2.267	15.4	19.2
7 10	20 45.44	− 6 48.3	1.290	2.247	11.5	18.9
7 20	20 38.80	− 7 36.9	1.234	2.228	7.4	18.6
7 30	20 30.80	− 8 45.4	1.202	2.209	4.5	18.4
8 9	20 22.65	−10 8.2	1.195	2.191	6.5	18.5
8 19	20 15.57	−11 37.4	1.210	2.174	10.9	18.7
8 29	20 10.71	−13 5.1	1.248	2.158	15.4	18.9
289089 2004 TH_{263}			7 28.6	99°.18	7°.0/24.7	17
6 20	21 4.65	−35 10.2	1.844	2.683	14.8	20.9
6 30	20 59.46	−36 12.5	1.787	2.694	12.0	20.7
7 10	20 51.48	−37 10.0	1.751	2.706	9.2	20.6
7 20	20 41.42	−37 55.3	1.738	2.717	7.2	20.5
7 30	20 30.40	−38 21.8	1.752	2.728	7.3	20.5
8 9	20 19.77	−38 26.1	1.791	2.739	9.3	20.7
8 19	20 10.75	−38 8.7	1.853	2.750	11.9	20.9
8 29	20 4.25	−37 32.8	1.938	2.761	14.5	21.1
105467 2000 QD_{208}			7 28.6	206°.46	3°.9/31.9	18
6 20	20 54.36	− 3 13.4	2.772	3.536	12.3	20.1
6 30	20 50.37	− 3 18.0	2.674	3.531	10.2	19.9
7 10	20 44.88	− 3 35.7	2.597	3.526	7.8	19.8
7 20	20 38.23	− 4 6.4	2.545	3.520	5.5	19.6
7 30	20 30.94	− 4 48.6	2.520	3.514	4.0	19.5
8 9	20 23.66	− 5 40.0	2.524	3.508	4.7	19.5
8 19	20 17.00	− 6 37.1	2.555	3.501	6.9	19.7
8 29	20 11.54	− 7 36.3	2.613	3.493	9.4	19.8
328082 2007 XL_{57}			7 28.6	193°.90	1°.0/27.9	17
6 20	21 1.29	−18 27.7	1.819	2.650	15.3	21.6
6 30	20 56.73	−19 6.2	1.736	2.648	12.0	21.3
7 10	20 49.68	−19 54.1	1.674	2.646	8.1	21.1
7 20	20 40.65	−20 47.3	1.636	2.643	3.8	20.8
7 30	20 30.52	−21 40.3	1.626	2.640	1.4	20.7
8 9	20 20.46	−22 27.7	1.642	2.636	5.6	20.9
8 19	20 11.56	−23 5.6	1.685	2.631	9.8	21.2
8 29	20 4.79	−23 32.2	1.752	2.626	13.6	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131920 2002 BA_{27}			7 28.6	95°.46	2°.5/27.2	17
	h m	° ′			°	m
6 20	21 3.71	−21 15.0	1.507	2.351	17.3	19.7
6 30	20 58.82	−22 8.4	1.452	2.372	13.4	19.5
7 10	20 51.09	−23 9.4	1.418	2.393	9.0	19.3
7 20	20 41.25	−24 11.3	1.407	2.413	4.4	19.0
7 30	20 30.46	−25 7.1	1.422	2.433	2.8	19.0
8 9	20 20.10	−25 50.7	1.463	2.452	6.7	19.3
8 19	20 11.40	−26 19.3	1.529	2.471	10.9	19.6
8 29	20 5.27	−26 32.9	1.618	2.490	14.6	19.8
88014 2000 UY_{59}			7 28.6	327°.88	2°.8/27.4	18
6 20	20 58.12	−24 0.6	1.428	2.289	17.2	18.7
6 30	20 55.04	−24 16.9	1.347	2.276	13.5	18.4
7 10	20 48.96	−24 37.7	1.285	2.264	9.3	18.1
7 20	20 40.45	−24 58.0	1.246	2.252	4.8	17.8
7 30	20 30.58	−25 12.0	1.230	2.241	3.1	17.7
8 9	20 20.81	−25 15.3	1.239	2.231	7.2	17.9
8 19	20 12.53	−25 5.9	1.271	2.221	11.9	18.2
8 29	20 6.91	−24 44.1	1.324	2.212	16.1	18.4
384471 2010 CU_{3}			7 28.6	70°.05	5°.1/26.5	17
6 20	21 5.81	−31 30.8	1.752	2.591	15.4	20.4
6 30	21 0.19	−31 54.5	1.694	2.607	12.2	20.3
7 10	20 51.84	−32 14.7	1.657	2.622	8.8	20.1
7 20	20 41.54	−32 25.5	1.644	2.638	5.8	19.9
7 30	20 30.44	−32 21.9	1.657	2.653	5.3	20.0
8 9	20 19.87	−32 1.9	1.696	2.669	7.7	20.1
8 19	20 10.99	−31 26.4	1.761	2.685	10.9	20.4
8 29	20 4.62	−30 38.5	1.848	2.700	13.9	20.6
359785 2011 UT_{160}			7 28.6	158°.09	4°.3/25.3	18
6 20	20 58.61	−29 53.9	2.357	3.193	12.1	20.7
6 30	20 54.17	−30 48.9	2.283	3.195	9.6	20.5
7 10	20 47.68	−31 43.8	2.232	3.197	6.9	20.4
7 20	20 39.61	−32 33.7	2.207	3.199	4.7	20.3
7 30	20 30.75	−33 13.3	2.209	3.201	4.6	20.2
8 9	20 22.00	−33 39.3	2.238	3.202	6.7	20.4
8 19	20 14.26	−33 50.2	2.293	3.204	9.3	20.6
8 29	20 8.29	−33 46.6	2.372	3.205	11.9	20.7
172744 2004 CX_{78}			7 28.6	165°.31	0°.7/28.1	18
6 20	20 57.42	−18 50.3	2.130	2.959	13.4	20.6
6 30	20 53.27	−19 16.1	2.049	2.961	10.5	20.4
7 10	20 47.09	−19 48.9	1.990	2.962	7.1	20.2
7 20	20 39.35	−20 25.3	1.956	2.963	3.3	19.9
7 30	20 30.81	−21 1.5	1.950	2.964	1.0	19.8
8 9	20 22.37	−21 33.8	1.971	2.965	4.7	20.0
8 19	20 14.91	−21 59.3	2.018	2.965	8.4	20.3
8 29	20 9.18	−22 16.7	2.091	2.966	11.6	20.5
479187 2013 CH_{66}			7 28.6	99°.01	1°.1/27.9	18
6 20	20 59.31	−21 51.7	2.295	3.122	12.7	21.5
6 30	20 54.48	−21 59.0	2.220	3.131	9.8	21.4
7 10	20 47.74	−22 9.4	2.169	3.140	6.6	21.2
7 20	20 39.59	−22 20.1	2.142	3.149	3.1	21.0
7 30	20 30.78	−22 28.2	2.144	3.157	1.4	20.8
8 9	20 22.20	−22 31.5	2.174	3.166	4.6	21.1
8 19	20 14.63	−22 28.6	2.231	3.174	7.9	21.3
8 29	20 8.75	−22 19.4	2.313	3.183	10.8	21.5
480305 2015 HB_{170}			7 28.6	68°.31	0°.5/28.3	18
6 20	20 57.48	−17 26.6	1.770	2.607	15.4	20.9
6 30	20 53.72	−17 57.2	1.695	2.610	12.1	20.7
7 10	20 47.60	−18 37.7	1.640	2.614	8.1	20.4
7 20	20 39.65	−19 24.1	1.610	2.617	3.8	20.2
7 30	20 30.77	−20 11.7	1.606	2.621	0.9	20.0
8 9	20 22.02	−20 55.4	1.629	2.624	5.3	20.3
8 19	20 14.45	−21 31.5	1.677	2.628	9.5	20.5
8 29	20 8.94	−21 57.8	1.748	2.631	13.1	20.8
103384 2000 AG_{121}			7 28.6	182°.94	0°.8/29.2	18
6 20	20 57.23	−13 26.1	2.524	3.330	12.3	21.0
6 30	20 52.78	−13 55.6	2.435	3.330	9.7	20.8
7 10	20 46.60	−14 34.7	2.368	3.330	6.7	20.6
7 20	20 39.09	−15 20.9	2.327	3.330	3.4	20.4
7 30	20 30.87	−16 11.2	2.314	3.329	0.9	20.2
8 9	20 22.68	−17 1.9	2.331	3.327	3.9	20.4
8 19	20 15.26	−17 49.6	2.376	3.325	7.2	20.6
8 29	20 9.25	−18 31.8	2.447	3.322	10.1	20.8
81219 2000 FU_{20}			7 28.6	242°.49	4°.1/26.1	18
6 20	21 1.25	−25 54.0	1.814	2.656	14.9	19.1
6 30	20 57.00	−26 53.1	1.727	2.645	11.7	18.9
7 10	20 50.07	−27 57.4	1.661	2.633	8.2	18.7
7 20	20 40.94	−29 0.4	1.620	2.621	4.9	18.5
7 30	20 30.54	−29 55.0	1.605	2.608	4.5	18.4
8 9	20 20.10	−30 35.2	1.617	2.595	7.5	18.6
8 19	20 10.86	−30 58.1	1.654	2.581	11.3	18.7
8 29	20 3.89	−31 3.6	1.713	2.567	14.8	18.9

144644 2004 FT_{99} 7 28.6 31°.29 3°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.58	−26 5.3	1.913	2.758	14.1	20.4
6 30	20 54.50	−26 42.2	1.841	2.760	11.1	20.2
7 10	20 48.07	−27 21.4	1.791	2.763	7.6	20.0
7 20	20 39.86	−27 57.9	1.764	2.767	4.4	19.8
7 30	20 30.76	−28 26.5	1.765	2.770	3.7	19.8
8 9	20 21.85	−28 43.5	1.791	2.773	6.5	20.0
8 19	20 14.17	−28 47.2	1.843	2.777	9.9	20.2
8 29	20 8.53	−28 38.0	1.918	2.781	13.1	20.4

263070 2007 KY_{7} 7 28.6 88°.36 0°.9/29.1 17

6 20	20 59.89	−13 53.9	1.803	2.626	15.8	20.3
6 30	20 55.30	−14 18.6	1.742	2.648	12.4	20.2
7 10	20 48.46	−14 54.7	1.702	2.669	8.4	20.0
7 20	20 39.98	−15 39.1	1.686	2.690	4.2	19.8
7 30	20 30.75	−16 27.3	1.697	2.711	1.0	19.6
8 9	20 21.84	−17 14.6	1.735	2.732	4.8	19.9
8 19	20 14.17	−17 57.2	1.799	2.752	8.8	20.2
8 29	20 8.53	−18 32.4	1.888	2.772	12.2	20.4

87499 2000 QE_{167} 7 28.6 320°.91 5°.1/26.9 18

6 20	21 6.03	−31 6.5	1.543	2.390	16.8	18.8
6 30	21 1.07	−31 13.1	1.464	2.382	13.4	18.6
7 10	20 52.92	−31 15.9	1.405	2.374	9.6	18.3
7 20	20 42.26	−31 8.5	1.369	2.366	6.1	18.1
7 30	20 30.36	−30 45.5	1.357	2.359	5.3	18.1
8 9	20 18.78	−30 4.7	1.371	2.352	8.2	18.2
8 19	20 8.97	−29 7.3	1.410	2.345	12.2	18.4
8 29	20 2.04	−27 57.4	1.470	2.339	16.0	18.6

17183 1999 VO_{2} 7 28.6 306°.53 3°.3/25.8 18

6 20	20 56.55	−17 21.4	1.659	2.502	16.0	17.6
6 30	20 53.90	−19 26.6	1.546	2.466	12.7	17.3
7 10	20 48.48	−21 56.4	1.454	2.431	8.6	16.9
7 20	20 40.47	−24 44.2	1.389	2.395	4.5	16.6
7 30	20 30.59	−27 38.3	1.352	2.359	4.0	16.5
8 9	20 19.98	−30 24.8	1.343	2.324	8.3	16.6
8 19	20 10.09	−32 51.5	1.361	2.288	13.2	16.8
8 29	20 2.38	−34 51.0	1.401	2.253	17.6	17.0

90335 2003 FD_{96} 7 28.6 75°.84 2°.3/30.0 17

6 20	20 56.68	−11 15.6	2.140	2.949	14.1	19.9
6 30	20 52.49	−11 12.2	2.069	2.963	11.2	19.7
7 10	20 46.43	−11 19.3	2.019	2.977	7.9	19.6
7 20	20 38.99	−11 35.6	1.994	2.992	4.5	19.4
7 30	20 30.92	−11 59.0	1.995	3.006	2.3	19.2
8 9	20 23.04	−12 26.6	2.024	3.020	4.4	19.4
8 19	20 16.13	−12 55.2	2.080	3.034	7.7	19.7
8 29	20 10.86	−13 22.3	2.161	3.048	10.8	19.9

114812 2003 OU_{5} 7 28.6 298°.39 3°.1/26.4 18

6 20	20 55.69	−20 36.5	1.685	2.535	15.5	19.3
6 30	20 52.88	−21 58.5	1.591	2.515	12.2	19.0
7 10	20 47.46	−23 33.8	1.518	2.495	8.3	18.8
7 20	20 39.80	−25 16.3	1.470	2.475	4.3	18.5
7 30	20 30.74	−26 57.3	1.447	2.456	3.5	18.4
8 9	20 21.46	−28 28.0	1.452	2.437	7.3	18.6
8 19	20 13.21	−29 42.0	1.481	2.417	11.6	18.8
8 29	20 7.16	−30 35.9	1.532	2.399	15.5	19.0

491716 2012 UL_{145} 7 28.6 277°.43 8°.7/22.5 18

6 20	21 2.13	−38 1.7	1.862	2.702	14.7	21.2
6 30	20 58.05	−39 32.7	1.787	2.691	12.2	21.0
7 10	20 50.97	−41 0.0	1.734	2.679	10.0	20.9
7 20	20 41.43	−42 14.5	1.704	2.667	8.7	20.8
7 30	20 30.48	−43 7.5	1.699	2.655	9.2	20.8
8 9	20 19.55	−43 33.6	1.718	2.644	11.1	20.9
8 19	20 10.05	−43 32.0	1.759	2.632	13.7	21.0
8 29	20 3.16	−43 5.5	1.821	2.620	16.2	21.2

530 Turandot 7 28.6 344°.11 0°.3/28.8 18

6 20	20 50.92	−14 33.7	1.722	2.566	15.5	13.4
6 30	20 48.78	−15 10.6	1.636	2.554	12.2	13.1
7 10	20 44.40	−16 1.2	1.570	2.544	8.4	12.9
7 20	20 38.23	−17 2.5	1.528	2.534	4.1	12.6
7 30	20 31.03	−18 9.4	1.511	2.526	0.6	12.3
8 9	20 23.84	−19 16.1	1.519	2.518	5.2	12.6
8 19	20 17.65	−20 17.1	1.553	2.511	9.5	12.9
8 29	20 13.39	−21 8.2	1.610	2.505	13.4	13.1

340244 2006 BR_{115} 7 28.6 54°.86 1°.0/29.1 17

6 20	20 58.18	−15 7.5	1.713	2.546	16.0	20.9
6 30	20 54.28	−15 12.5	1.639	2.550	12.7	20.7
7 10	20 47.99	−15 28.0	1.584	2.553	8.7	20.4
7 20	20 39.87	−15 51.5	1.553	2.557	4.4	20.2
7 30	20 30.80	−16 19.5	1.547	2.562	1.1	20.0
8 9	20 21.92	−16 48.1	1.568	2.566	5.1	20.2
8 19	20 14.25	−17 13.8	1.614	2.570	9.4	20.5
8 29	20 8.67	−17 34.2	1.684	2.574	13.1	20.8

176160 2001 HW_{42} 7 28.6 132°.74 3°.0/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 3.72	−24 2.9	1.813	2.648	15.2	21.0
6 30	20 58.55	−24 48.4	1.746	2.661	11.8	20.9
7 10	20 50.82	−25 38.2	1.701	2.673	8.0	20.7
7 20	20 41.18	−26 26.4	1.681	2.684	4.3	20.5
7 30	20 30.60	−27 7.2	1.687	2.695	3.3	20.4
8 9	20 20.29	−27 36.1	1.721	2.705	6.5	20.6
8 19	20 11.37	−27 51.1	1.781	2.715	10.2	20.9
8 29	20 4.72	−27 52.5	1.864	2.724	13.5	21.1

447311 2005 WG_{175} 7 28.6 312°.05 2°.8/26.6 18

6 20	20 54.80	−23 9.6	1.976	2.822	13.7	21.1
6 30	20 51.71	−24 1.1	1.882	2.804	10.7	20.9
7 10	20 46.36	−24 59.3	1.810	2.785	7.3	20.6
7 20	20 39.17	−25 59.5	1.763	2.767	4.0	20.4
7 30	20 30.91	−26 55.8	1.742	2.750	3.1	20.3
8 9	20 22.56	−27 42.9	1.747	2.732	6.3	20.5
8 19	20 15.17	−28 17.2	1.778	2.715	10.0	20.7
8 29	20 9.64	−28 37.3	1.832	2.699	13.4	20.8

32937 1995 TT 7 28.6 320°.82 6°.2/24.8 18

6 20	20 59.09	−33 5.7	1.916	2.762	14.1	17.2
6 30	20 55.24	−34 0.9	1.838	2.753	11.3	17.0
7 10	20 48.80	−34 54.3	1.781	2.743	8.5	16.8
7 20	20 40.32	−35 39.2	1.748	2.734	6.5	16.7
7 30	20 30.73	−36 9.2	1.741	2.725	6.5	16.7
8 9	20 21.27	−36 20.1	1.758	2.717	8.7	16.8
8 19	20 13.07	−36 11.0	1.800	2.709	11.6	17.0
8 29	20 7.13	−35 43.5	1.864	2.701	14.5	17.1

400198 2006 YD_{29} 7 28.6 23°.84 0°.4/28.4 18

6 20	20 58.96	−20 15.7	1.990	2.823	14.1	20.9
6 30	20 54.55	−20 8.9	1.913	2.827	11.0	20.7
7 10	20 47.98	−20 6.4	1.858	2.830	7.4	20.4
7 20	20 39.80	−20 5.7	1.827	2.834	3.5	20.2
7 30	20 30.84	−20 4.3	1.823	2.838	0.8	20.0
8 9	20 22.09	−19 59.8	1.846	2.842	4.8	20.3
8 19	20 14.48	−19 51.0	1.896	2.846	8.6	20.5
8 29	20 8.75	−19 37.4	1.970	2.851	11.9	20.8

47083 1998 YG_{22} 7 28.6 248°.89 2°.1/29.8 18

6 20	20 57.41	−12 31.2	2.086	2.900	14.2	18.3
6 30	20 53.32	−12 23.7	1.996	2.894	11.4	18.1
7 10	20 47.18	−12 25.9	1.927	2.889	8.1	17.9
7 20	20 39.46	−12 36.8	1.883	2.883	4.5	17.7
7 30	20 30.89	−12 54.5	1.865	2.877	2.1	17.5
8 9	20 22.36	−13 16.0	1.875	2.871	4.7	17.7
8 19	20 14.76	−13 38.6	1.911	2.865	8.3	17.9
8 29	20 8.87	−13 59.7	1.972	2.859	11.7	18.1

152327 2005 UV_{18} 7 28.6 222°.24 6°.6/22.9 18

6 20	20 59.91	−37 18.5	2.481	3.309	11.8	20.2
6 30	20 55.42	−38 37.1	2.407	3.304	9.7	20.0
7 10	20 48.69	−39 52.0	2.357	3.300	7.8	19.9
7 20	20 40.20	−40 57.1	2.332	3.296	6.7	19.8
7 30	20 30.76	−41 46.4	2.334	3.291	7.0	19.8
8 9	20 21.36	−42 16.2	2.362	3.286	8.6	19.9
8 19	20 12.98	−42 25.5	2.414	3.281	10.7	20.1
8 29	20 6.48	−42 15.9	2.488	3.276	12.7	20.2

509198 2006 RM_{48} 7 28.6 287°.97 1°.2/29.2 18

6 20	20 58.48	−14 39.0	1.539	2.377	17.3	21.8
6 30	20 55.26	−14 44.5	1.437	2.351	13.9	21.5
7 10	20 49.20	−15 2.9	1.355	2.325	9.8	21.2
7 20	20 40.71	−15 32.4	1.294	2.299	5.0	20.9
7 30	20 30.65	−16 9.4	1.258	2.273	1.3	20.6
8 9	20 20.32	−16 48.9	1.248	2.246	6.0	20.8
8 19	20 11.08	−17 25.9	1.262	2.220	11.2	21.0
8 29	20 4.19	−17 56.7	1.297	2.193	15.9	21.2

249787 2000 XE_{34} 7 28.6 256°.31 3°.2/29.3 18

6 20	21 9.99	−15 15.9	1.672	2.484	17.3	19.9
6 30	21 3.85	−14 6.5	1.572	2.468	14.0	19.6
7 10	20 54.73	−13 0.1	1.493	2.453	10.0	19.4
7 20	20 43.20	−11 57.3	1.438	2.436	5.7	19.1
7 30	20 30.27	−10 58.9	1.410	2.420	3.2	18.9
8 9	20 17.32	−10 5.6	1.410	2.403	6.5	19.0
8 19	20 5.72	− 9 18.5	1.437	2.385	11.0	19.3
8 29	19 56.62	− 8 37.5	1.488	2.367	15.2	19.5

258826 2002 OZ_{20} 7 28.6 311°.91 0°.5/28.3 17

6 20	20 55.31	−17 29.5	1.308	2.169	18.4	20.3
6 30	20 53.20	−17 52.4	1.218	2.147	14.7	20.0
7 10	20 48.03	−18 28.9	1.147	2.126	10.1	19.7
7 20	20 40.22	−19 15.6	1.096	2.104	4.8	19.3
7 30	20 30.75	−20 6.6	1.069	2.083	1.1	19.0
8 9	20 21.09	−20 54.8	1.065	2.063	6.8	19.3
8 19	20 12.77	−21 34.4	1.084	2.044	12.4	19.6
8 29	20 7.15	−22 1.6	1.123	2.025	17.3	19.8

37872 1998 FW_{28} 7 28.6 143°.22 1°.7/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.38	−21 20.4	1.953	2.786	14.3	20.3
6 30	20 55.78	−21 52.9	1.879	2.793	11.2	20.1
7 10	20 48.90	−22 31.2	1.826	2.798	7.5	19.9
7 20	20 40.28	−23 10.9	1.798	2.804	3.6	19.7
7 30	20 30.79	−23 47.3	1.797	2.809	2.0	19.6
8 9	20 21.47	−24 16.4	1.823	2.814	5.5	19.8
8 19	20 13.31	−24 35.6	1.876	2.819	9.2	20.0
8 29	20 7.14	−24 44.3	1.953	2.823	12.5	20.3

511834 2015 FA_{304} 7 28.6 78°.35 0°.5/28.9 17

6 20	20 56.71	−13 10.0	1.820	2.646	15.5	21.1
6 30	20 52.97	−13 59.2	1.751	2.658	12.2	20.9
7 10	20 47.03	−15 2.1	1.702	2.671	8.3	20.7
7 20	20 39.40	−16 14.9	1.678	2.684	4.0	20.4
7 30	20 30.93	−17 32.0	1.681	2.696	0.7	20.2
8 9	20 22.63	−18 47.1	1.712	2.709	4.9	20.5
8 19	20 15.44	−19 55.2	1.768	2.721	8.9	20.8
8 29	20 10.18	−20 52.6	1.849	2.734	12.4	21.1

264520 2001 RG_{10} 7 28.6 350°.11 9°.5/29.3 17

6 20	21 9.29	−10 31.4	0.994	1.837	24.3	19.9
6 30	21 4.59	− 7 56.2	0.926	1.833	20.2	19.7
7 10	20 55.88	− 5 26.1	0.875	1.831	15.7	19.4
7 20	20 43.91	− 3 9.3	0.843	1.829	11.4	19.1
7 30	20 30.18	− 1 14.7	0.834	1.828	9.5	19.0
8 9	20 16.74	+ 0 11.1	0.846	1.827	11.9	19.2
8 19	20 5.53	+ 1 6.7	0.880	1.827	16.2	19.4
8 29	19 57.96	+ 1 36.0	0.932	1.827	20.6	19.7

2574 Ladoga 7 28.6 337°.53 1°.3/27.9 18

6 20	20 56.94	−20 27.1	1.831	2.673	14.8	16.0
6 30	20 53.33	−20 49.5	1.750	2.669	11.6	15.8
7 10	20 47.39	−21 18.4	1.690	2.665	7.8	15.5
7 20	20 39.62	−21 50.3	1.655	2.662	3.7	15.3
7 30	20 30.90	−22 20.7	1.645	2.659	1.6	15.1
8 9	20 22.28	−22 45.5	1.662	2.656	5.5	15.4
8 19	20 14.80	−23 1.9	1.704	2.653	9.5	15.6
8 29	20 9.32	−23 8.8	1.770	2.651	13.1	15.8

293143 2006 XR_{72} 7 28.6 211°.37 0°.8/29.1 18

6 20	20 55.77	−14 53.1	2.343	3.160	12.8	21.8
6 30	20 51.82	−15 7.2	2.255	3.158	10.1	21.6
7 10	20 46.05	−15 29.6	2.190	3.156	6.9	21.4
7 20	20 38.90	−15 58.4	2.150	3.154	3.4	21.2
7 30	20 31.03	−16 30.8	2.138	3.152	0.8	21.0
8 9	20 23.22	−17 3.6	2.154	3.150	4.1	21.2
8 19	20 16.23	−17 33.9	2.197	3.148	7.5	21.4
8 29	20 10.75	−17 59.6	2.265	3.146	10.6	21.6

262619 2006 VN_{172} 7 28.6 118°.82 1°.9/29.6 17

6 20	20 59.92	−12 41.7	1.644	2.470	16.9	21.3
6 30	20 55.72	−12 45.4	1.571	2.477	13.5	21.1
7 10	20 49.02	−13 2.1	1.518	2.483	9.4	20.9
7 20	20 40.39	−13 29.6	1.488	2.490	5.0	20.7
7 30	20 30.79	−14 4.6	1.483	2.496	1.9	20.5
8 9	20 21.39	−14 42.4	1.505	2.503	5.3	20.7
8 19	20 13.27	−15 18.9	1.552	2.509	9.6	21.0
8 29	20 7.34	−15 50.9	1.623	2.514	13.5	21.2

204050 2003 UQ_{230} 7 28.6 291°.23 0°.2/28.7 18

6 20	20 57.84	−17 11.3	1.838	2.671	15.1	20.7
6 30	20 54.04	−17 17.8	1.750	2.662	11.9	20.5
7 10	20 47.89	−17 32.7	1.682	2.654	8.1	20.2
7 20	20 39.89	−17 53.4	1.639	2.645	3.9	19.9
7 30	20 30.88	−18 16.6	1.622	2.637	0.6	19.7
8 9	20 21.90	−18 38.5	1.631	2.628	5.1	20.0
8 19	20 14.01	−18 56.2	1.666	2.620	9.3	20.2
8 29	20 8.10	−19 7.8	1.725	2.612	13.1	20.4

356952 2012 WK_{9} 7 28.6 270°.54 3°.1/26.7 18

6 20	20 58.58	−24 34.4	1.956	2.797	14.0	21.1
6 30	20 54.66	−25 19.3	1.867	2.785	11.0	20.9
7 10	20 48.35	−26 9.0	1.801	2.774	7.6	20.6
7 20	20 40.13	−26 58.4	1.758	2.762	4.2	20.4
7 30	20 30.83	−27 41.8	1.743	2.750	3.4	20.3
8 9	20 21.53	−28 14.5	1.754	2.738	6.5	20.5
8 19	20 13.30	−28 33.7	1.791	2.726	10.1	20.7
8 29	20 7.07	−28 38.9	1.851	2.713	13.5	20.9

347450 2012 TH_{241} 7 28.6 198°.62 1°.5/27.6 18

6 20	20 59.17	−21 19.2	2.289	3.116	12.7	21.8
6 30	20 54.59	−21 48.4	2.203	3.113	9.9	21.6
7 10	20 48.00	−22 22.6	2.139	3.110	6.7	21.4
7 20	20 39.86	−22 58.4	2.101	3.107	3.2	21.2
7 30	20 30.90	−23 31.6	2.091	3.103	1.7	21.1
8 9	20 22.00	−23 58.9	2.109	3.099	4.9	21.3
8 19	20 14.04	−24 17.9	2.154	3.095	8.3	21.5
8 29	20 7.75	−24 27.7	2.224	3.090	11.4	21.7

338286 2002 UT_{8} 7 28.6 341°.60 4°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.14	−22 5.3	1.297	2.175	17.5	18.9
6 30	20 48.42	−23 48.3	1.217	2.158	13.7	18.6
7 10	20 44.80	−25 47.0	1.158	2.141	9.4	18.3
7 20	20 38.69	−27 52.8	1.121	2.126	5.6	18.0
7 30	20 31.05	−29 53.5	1.108	2.112	5.5	18.0
8 9	20 23.29	−31 37.5	1.118	2.100	9.4	18.2
8 19	20 16.88	−32 56.4	1.150	2.090	14.0	18.4
8 29	20 13.13	−33 47.3	1.202	2.081	18.1	18.6

177120 Ocampo 7 28.6 290°.81 0°.9/28.0 18

6 20	20 56.79	−19 48.5	2.182	3.013	13.1	20.6
6 30	20 52.79	−20 9.8	2.099	3.011	10.2	20.4
7 10	20 46.81	−20 37.0	2.038	3.010	6.9	20.2
7 20	20 39.30	−21 6.9	2.002	3.008	3.2	19.9
7 30	20 31.00	−21 36.0	1.993	3.007	1.2	19.8
8 9	20 22.79	−22 0.9	2.012	3.005	4.7	20.0
8 19	20 15.53	−22 19.2	2.057	3.004	8.3	20.2
8 29	20 9.95	−22 29.7	2.127	3.003	11.4	20.4

171742 2000 WF_{177} 7 28.6 175°.16 2°.9/26.9 18

6 20	21 0.00	−21 32.0	1.474	2.326	17.2	20.3
6 30	20 56.39	−22 31.0	1.402	2.326	13.4	20.0
7 10	20 49.84	−23 39.6	1.350	2.327	9.1	19.8
7 20	20 40.93	−24 51.4	1.321	2.327	4.7	19.5
7 30	20 30.75	−25 58.0	1.317	2.327	3.3	19.5
8 9	20 20.69	−26 52.5	1.338	2.327	7.3	19.7
8 19	20 12.10	−27 30.4	1.384	2.327	11.8	20.0
8 29	20 6.10	−27 50.7	1.451	2.327	15.7	20.2

398885 2013 CV_{86} 7 28.6 70°.77 3°.6/31.0 14 C

6 20	20 55.60	− 7 21.8	2.181	2.977	14.3	21.7
6 30	20 51.68	− 7 10.1	2.105	2.987	11.6	21.5
7 10	20 45.94	− 7 10.9	2.050	2.997	8.6	21.3
7 20	20 38.86	− 7 23.9	2.019	3.007	5.5	21.2
7 30	20 31.12	− 7 47.6	2.015	3.018	3.6	21.1
8 9	20 23.52	− 8 19.1	2.037	3.028	4.9	21.2
8 19	20 16.82	− 8 55.3	2.086	3.038	7.8	21.4
8 29	20 11.69	− 9 32.7	2.160	3.049	10.7	21.6

445497 2010 VG_{202} 7 28.6 202°.46 7°.9/ 3.2 17

6 20	20 56.86	+ 7 48.1	2.883	3.573	13.4	21.0
6 30	20 52.31	+ 8 53.2	2.789	3.570	11.9	20.9
7 10	20 46.23	+ 9 44.1	2.716	3.567	10.3	20.8
7 20	20 38.99	+10 18.2	2.664	3.563	8.8	20.7
7 30	20 31.10	+10 34.0	2.638	3.559	8.0	20.6
8 9	20 23.20	+10 31.6	2.637	3.555	8.1	20.6
8 19	20 15.92	+10 12.5	2.662	3.551	9.0	20.7
8 29	20 9.83	+ 9 40.0	2.711	3.546	10.5	20.8

109627 2001 QE_{297} 7 28.6 314°.24 0°.8/29.2 18

6 20	20 53.26	−12 22.8	1.849	2.678	15.2	18.9
6 30	20 50.54	−13 8.7	1.754	2.663	12.1	18.7
7 10	20 45.62	−14 10.6	1.680	2.649	8.4	18.4
7 20	20 38.90	−15 25.6	1.630	2.634	4.2	18.1
7 30	20 31.11	−16 48.6	1.606	2.620	0.9	17.9
8 9	20 23.22	−18 13.3	1.609	2.607	5.0	18.1
8 19	20 16.23	−19 33.5	1.638	2.593	9.3	18.4
8 29	20 11.06	−20 44.0	1.690	2.581	13.1	18.6

336883 2011 GO_{53} 7 28.6 340°.13 11°.6/23.5 17

6 20	21 4.69	−42 17.2	1.382	2.232	18.2	20.0
6 30	21 1.10	−43 28.8	1.318	2.223	15.6	19.8
7 10	20 53.56	−44 29.6	1.274	2.215	13.1	19.6
7 20	20 42.83	−45 8.1	1.249	2.207	11.7	19.5
7 30	20 30.48	−45 14.3	1.246	2.200	12.0	19.5
8 9	20 18.59	−44 44.1	1.264	2.194	13.9	19.6
8 19	20 9.00	−43 40.0	1.302	2.189	16.6	19.8
8 29	20 3.01	−42 9.1	1.359	2.185	19.4	19.9

140043 2001 SE_{80} 7 28.6 244°.33 5°.0/ 1.5 18

6 20	20 54.67	− 1 23.3	2.316	3.082	14.4	20.2
6 30	20 51.04	− 1 25.2	2.216	3.072	12.1	20.0
7 10	20 45.62	− 1 43.9	2.137	3.062	9.4	19.8
7 20	20 38.79	− 2 19.6	2.081	3.052	6.8	19.6
7 30	20 31.14	− 3 11.4	2.051	3.041	5.1	19.5
8 9	20 23.45	− 4 15.9	2.048	3.030	5.7	19.5
8 19	20 16.49	− 5 28.9	2.072	3.019	8.2	19.7
8 29	20 10.95	− 6 45.2	2.122	3.008	11.0	19.8

221484 2006 BB_{265} 7 28.6 296°.33 1°.3/27.8 18

6 20	20 55.91	−21 6.6	2.284	3.117	12.5	20.6
6 30	20 52.18	−21 28.8	2.186	3.099	9.8	20.4
7 10	20 46.48	−21 56.1	2.110	3.082	6.6	20.2
7 20	20 39.22	−22 25.6	2.059	3.065	3.2	19.9
7 30	20 31.07	−22 53.5	2.035	3.048	1.5	19.8
8 9	20 22.90	−23 16.6	2.039	3.031	4.8	20.0
8 19	20 15.56	−23 32.5	2.070	3.015	8.3	20.2
8 29	20 9.83	−23 39.9	2.125	2.998	11.6	20.3

394297 2006 VD_{73} 7 28.6 282.°88 5.°1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.16	− 4 28.5	2.180	2.962	14.7	20.9
6 30	20 52.23	− 3 53.7	2.090	2.958	12.2	20.7
7 10	20 46.42	− 3 32.0	2.021	2.955	9.4	20.5
7 20	20 39.15	− 3 24.2	1.976	2.951	6.7	20.3
7 30	20 31.10	− 3 30.5	1.956	2.948	5.1	20.2
8 9	20 23.09	− 3 48.9	1.963	2.945	6.0	20.3
8 19	20 15.92	− 4 16.6	1.996	2.941	8.6	20.4
8 29	20 10.32	− 4 50.2	2.053	2.938	11.4	20.6

120784 1998 EY_{20} 7 28.6 79.°48 1.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.51	−11 16.4	1.755	2.572	16.4	19.9
6 30	20 55.06	−11 40.1	1.697	2.597	12.9	19.7
7 10	20 48.37	−12 17.6	1.659	2.621	9.0	19.5
7 20	20 40.04	−13 6.1	1.644	2.646	4.8	19.3
7 30	20 30.98	−14 1.2	1.657	2.670	1.8	19.2
8 9	20 22.25	−14 57.7	1.696	2.693	4.9	19.4
8 19	20 14.77	−15 51.0	1.761	2.717	8.8	19.7
8 29	20 9.32	−16 37.6	1.851	2.740	12.2	20.0

210246 2007 RC_{234} 7 28.6 291.°52 0.°1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.42	−15 2.1	1.846	2.678	15.1	20.1
6 30	20 52.28	−15 40.9	1.750	2.663	11.9	19.9
7 10	20 46.83	−16 32.8	1.676	2.647	8.2	19.6
7 20	20 39.50	−17 34.7	1.625	2.632	3.9	19.3
7 30	20 31.04	−18 41.7	1.601	2.616	0.6	19.0
8 9	20 22.48	−19 47.9	1.604	2.601	5.2	19.3
8 19	20 14.87	−20 48.2	1.632	2.586	9.5	19.6
8 29	20 9.16	−21 38.6	1.685	2.570	13.4	19.8

425765 2011 CM_{22} 7 28.6 85.°67 2.°0/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 7.55	−24 30.3	1.687	2.520	16.2	21.3
6 30	21 1.47	−24 25.4	1.626	2.539	12.6	21.1
7 10	20 52.72	−24 21.7	1.586	2.558	8.5	20.9
7 20	20 42.08	−24 15.2	1.571	2.576	4.2	20.7
7 30	20 30.67	−24 2.5	1.583	2.595	2.3	20.6
8 9	20 19.80	−23 41.7	1.621	2.613	5.9	20.9
8 19	20 10.59	−23 13.0	1.686	2.631	9.9	21.2
8 29	20 3.86	−22 37.8	1.775	2.648	13.4	21.4

48511 1993 FR_{13} 7 28.6 210.°31 3.°7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.31	−25 26.0	1.822	2.662	14.9	19.6
6 30	20 57.75	−26 16.3	1.741	2.657	11.7	19.3
7 10	20 50.54	−27 10.9	1.681	2.653	8.1	19.1
7 20	20 41.24	−28 4.0	1.646	2.647	4.7	18.9
7 30	20 30.77	−28 48.9	1.637	2.642	4.0	18.8
8 9	20 20.38	−29 20.5	1.655	2.636	7.1	19.0
8 19	20 11.24	−29 36.4	1.698	2.629	10.8	19.2
8 29	20 4.37	−29 36.7	1.764	2.622	14.2	19.4

344687 2003 SS_{289} 7 28.6 304.°14 0.°5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.16	−17 26.2	1.716	2.557	15.6	20.8
6 30	20 53.01	−17 54.8	1.627	2.545	12.3	20.5
7 10	20 47.39	−18 34.0	1.558	2.532	8.4	20.3
7 20	20 39.77	−19 20.6	1.513	2.520	4.0	20.0
7 30	20 31.01	−20 9.5	1.493	2.508	0.9	19.7
8 9	20 22.21	−20 55.4	1.500	2.496	5.5	20.0
8 19	20 14.51	−21 33.9	1.532	2.485	10.0	20.2
8 29	20 8.89	−22 2.5	1.586	2.474	14.0	20.5

283664 2002 PW_{90} 7 28.6 308.°01 3.°9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.42	−11 11.7	1.744	2.563	16.4	19.4
6 30	20 54.70	−10 25.7	1.644	2.542	13.4	19.2
7 10	20 48.52	− 9 48.8	1.564	2.522	9.8	18.9
7 20	20 40.32	− 9 21.7	1.508	2.502	6.1	18.7
7 30	20 30.92	− 9 4.6	1.476	2.483	3.9	18.5
8 9	20 21.43	− 8 56.4	1.470	2.463	6.1	18.6
8 19	20 12.96	− 8 55.1	1.490	2.445	10.1	18.8
8 29	20 6.52	− 8 58.2	1.532	2.426	14.0	18.9

90814 1995 FV_{4} 7 28.6 205.°35 2.°1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.20	−24 26.7	2.703	3.529	11.0	20.6
6 30	20 52.78	−24 55.9	2.616	3.526	8.6	20.4
7 10	20 46.65	−25 27.4	2.553	3.523	5.8	20.2
7 20	20 39.22	−25 58.0	2.516	3.519	3.1	20.0
7 30	20 31.12	−26 24.3	2.508	3.516	2.3	20.0
8 9	20 23.09	−26 43.5	2.528	3.512	4.7	20.1
8 19	20 15.84	−26 54.1	2.575	3.508	7.5	20.3
8 29	20 10.02	−26 55.7	2.648	3.503	10.1	20.5

518185 2016 NX_{71} 7 28.6 281.°69 3.°0/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.58	−11 33.2	1.812	2.629	15.9	21.6
6 30	20 54.71	−11 10.5	1.715	2.613	12.9	21.3
7 10	20 48.45	−10 58.5	1.638	2.598	9.3	21.1
7 20	20 40.26	−10 57.0	1.584	2.581	5.5	20.8
7 30	20 30.94	−11 4.6	1.556	2.565	3.0	20.6
8 9	20 21.56	−11 19.0	1.554	2.549	5.5	20.7
8 19	20 13.18	−11 37.2	1.578	2.533	9.6	20.9
8 29	20 6.77	−11 56.1	1.625	2.517	13.4	21.1

93681 2000 VZ_{13} 7 28.6 332.°61 2.°4/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.93	−12 26.9	1.523	2.360	17.5	19.2
6 30	20 52.98	−12 19.2	1.441	2.353	14.0	19.0
7 10	20 47.43	−12 25.0	1.378	2.345	10.0	18.7
7 20	20 39.80	−12 43.1	1.337	2.339	5.5	18.4
7 30	20 31.02	−13 10.8	1.320	2.332	2.4	18.2
8 9	20 22.29	−13 43.8	1.328	2.327	5.7	18.4
8 19	20 14.79	−14 17.7	1.361	2.322	10.2	18.7
8 29	20 9.53	−14 48.7	1.415	2.317	14.4	18.9

398767 2013 AO_{80} 7 28.6 196.°31 2.°4/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.85	− 9 15.7	2.396	3.192	13.1	21.7
6 30	20 51.85	− 9 28.4	2.305	3.190	10.6	21.5
7 10	20 46.10	− 9 52.9	2.235	3.188	7.6	21.3
7 20	20 39.00	−10 27.9	2.191	3.186	4.5	21.1
7 30	20 31.17	−11 11.2	2.174	3.183	2.4	21.0
8 9	20 23.37	−11 59.3	2.185	3.180	4.2	21.1
8 19	20 16.33	−12 48.8	2.224	3.177	7.4	21.3
8 29	20 10.73	−13 36.3	2.289	3.173	10.4	21.5

444672 2007 DX_{29} 7 28.6 183.°62 1.°7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.82	−10 0.5	3.079	3.866	10.7	22.2
6 30	20 50.62	−10 20.3	2.985	3.866	8.6	22.0
7 10	20 45.05	−10 49.2	2.914	3.866	6.1	21.8
7 20	20 38.43	−11 25.8	2.869	3.865	3.5	21.7
7 30	20 31.27	−12 8.1	2.854	3.864	1.7	21.5
8 9	20 24.13	−12 53.6	2.867	3.862	3.4	21.7
8 19	20 17.57	−13 39.3	2.910	3.860	6.0	21.8
8 29	20 12.11	−14 23.0	2.980	3.857	8.5	22.0

208946 2002 VO_{116} 7 28.6 349.°38 1.°2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.62	−22 10.8	1.350	2.214	17.8	19.3
6 30	20 53.93	−21 55.8	1.273	2.204	14.0	19.0
7 10	20 48.27	−21 44.5	1.216	2.195	9.5	18.8
7 20	20 40.24	−21 33.9	1.180	2.188	4.6	18.5
7 30	20 30.98	−21 20.4	1.167	2.182	1.5	18.2
8 9	20 21.90	−21 1.2	1.179	2.177	6.4	18.5
8 19	20 14.38	−20 35.5	1.214	2.173	11.4	18.8
8 29	20 9.49	−20 3.5	1.269	2.171	15.7	19.1

11314 Charcot 7 28.6 246.°03 0.°6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.44	−13 58.7	2.531	3.342	12.1	18.0
6 30	20 51.57	−14 32.3	2.430	3.329	9.6	17.8
7 10	20 45.96	−15 15.7	2.351	3.315	6.6	17.6
7 20	20 38.97	−16 6.7	2.298	3.302	3.3	17.3
7 30	20 31.19	−17 1.9	2.273	3.287	0.7	17.1
8 9	20 23.34	−17 57.7	2.277	3.273	3.9	17.3
8 19	20 16.18	−18 50.3	2.309	3.258	7.3	17.5
8 29	20 10.38	−19 36.9	2.367	3.243	10.4	17.7

166521 2002 QE_{77} 7 28.6 223.°23 2.°0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.79	−22 19.6	1.940	2.778	14.2	20.8
6 30	20 54.69	−22 51.1	1.861	2.778	11.1	20.6
7 10	20 48.28	−23 27.8	1.803	2.777	7.5	20.3
7 20	20 40.11	−24 5.5	1.770	2.776	3.7	20.1
7 30	20 31.01	−24 39.3	1.764	2.775	2.3	20.0
8 9	20 22.03	−25 5.2	1.784	2.774	5.7	20.2
8 19	20 14.16	−25 20.8	1.831	2.773	9.4	20.5
8 29	20 8.27	−25 25.4	1.901	2.772	12.8	20.7

185843 2000 CW_{113} 7 28.6 161.°52 0.°1/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.91	−17 24.8	1.875	2.699	15.2	21.3
6 30	20 57.07	−17 39.9	1.796	2.704	11.9	21.1
7 10	20 49.87	−18 3.3	1.739	2.709	8.1	20.8
7 20	20 40.85	−18 31.8	1.707	2.713	3.8	20.6
7 30	20 30.91	−19 1.5	1.701	2.716	0.6	20.3
8 9	20 21.12	−19 28.5	1.723	2.719	5.0	20.7
8 19	20 12.52	−19 49.9	1.771	2.721	9.1	20.9
8 29	20 5.97	−20 4.0	1.844	2.723	12.7	21.2

262724 2006 XQ_{28} 7 28.6 277.°77 0.°8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.12	−18 8.7	1.618	2.459	16.4	21.2
6 30	20 55.64	−18 35.7	1.522	2.440	13.0	20.9
7 10	20 49.41	−19 13.7	1.446	2.420	8.9	20.6
7 20	20 40.86	−19 59.1	1.393	2.400	4.2	20.3
7 30	20 30.89	−20 46.4	1.365	2.380	1.2	20.0
8 9	20 20.75	−21 29.9	1.363	2.359	6.1	20.3
8 19	20 11.75	−22 5.0	1.387	2.339	10.9	20.5
8 29	20 5.06	−22 29.0	1.432	2.318	15.3	20.7

449065 2012 FH_{17} 7 28.6 239.°81 0.°9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.41	−13 47.8	2.649	3.459	11.6	21.9
6 30	20 50.62	−14 5.1	2.555	3.452	9.2	21.7
7 10	20 45.22	−14 30.7	2.483	3.446	6.4	21.6
7 20	20 38.59	−15 2.8	2.437	3.439	3.3	21.3
7 30	20 31.29	−15 39.1	2.419	3.433	1.0	21.1
8 9	20 24.01	−16 16.5	2.429	3.426	3.7	21.3
8 19	20 17.41	−16 52.3	2.467	3.419	6.8	21.5
8 29	20 12.11	−17 24.3	2.531	3.412	9.7	21.7

391559 2007 TX_{98} 7 28.6 137°.01 2°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.36	−24 35.5	1.979	2.819	13.9	21.5
6 30	20 55.11	−25 14.0	1.903	2.820	10.9	21.3
7 10	20 48.56	−25 56.1	1.849	2.822	7.4	21.1
7 20	20 40.25	−26 37.0	1.820	2.824	4.1	20.9
7 30	20 31.04	−27 11.6	1.818	2.825	3.2	20.9
8 9	20 21.98	−27 35.8	1.842	2.827	6.1	21.1
8 19	20 14.06	−27 47.7	1.893	2.828	9.6	21.3
8 29	20 8.12	−27 47.2	1.966	2.830	12.8	21.5

95385 2002 CQ_{170} 7 28.6 71°.20 0°.5/29.0 18

6 20	20 54.75	−14 6.4	2.234	3.053	13.2	19.6
6 30	20 51.15	−14 42.4	2.153	3.057	10.4	19.5
7 10	20 45.71	−15 28.8	2.094	3.061	7.1	19.3
7 20	20 38.86	−16 22.9	2.061	3.066	3.5	19.0
7 30	20 31.27	−17 20.8	2.055	3.070	0.6	18.8
8 9	20 23.77	−18 18.1	2.077	3.074	4.2	19.1
8 19	20 17.11	−19 10.9	2.126	3.078	7.7	19.3
8 29	20 12.00	−19 56.5	2.201	3.083	10.8	19.5

93288 2000 SA_{196} 7 28.6 193°.72 7°.7/ 3.9 18

6 20	20 55.90	+ 5 56.8	2.011	2.745	17.2	19.8
6 30	20 52.27	+ 5 55.7	1.922	2.744	14.9	19.6
7 10	20 46.60	+ 5 30.6	1.850	2.743	12.4	19.5
7 20	20 39.34	+ 4 39.8	1.799	2.742	9.8	19.3
7 30	20 31.19	+ 3 23.9	1.772	2.740	8.0	19.2
8 9	20 23.05	+ 1 46.9	1.772	2.738	8.0	19.2
8 19	20 15.79	− 0 4.5	1.798	2.736	9.8	19.3
8 29	20 10.21	− 2 2.6	1.849	2.733	12.4	19.5

103970 2000 DK_{80} 7 28.6 167°.25 3°.8/26.3 18

6 20	21 1.59	−28 21.2	2.180	3.013	13.0	19.8
6 30	20 56.67	−28 59.8	2.104	3.016	10.3	19.6
7 10	20 49.52	−29 38.8	2.051	3.018	7.2	19.4
7 20	20 40.68	−30 13.2	2.023	3.020	4.5	19.2
7 30	20 31.00	−30 38.2	2.022	3.022	4.1	19.2
8 9	20 21.49	−30 50.6	2.048	3.023	6.4	19.4
8 19	20 13.10	−30 49.3	2.101	3.024	9.5	19.5
8 29	20 6.65	−30 34.9	2.178	3.025	12.3	19.7

61902 2000 QH_{229} 7 28.6 222°.15 2°.3/27.3 18

6 20	21 0.43	−25 9.9	2.274	3.104	12.7	19.9
6 30	20 55.62	−25 24.1	2.190	3.101	9.9	19.7
7 10	20 48.74	−25 39.8	2.128	3.098	6.8	19.5
7 20	20 40.30	−25 53.4	2.091	3.095	3.6	19.3
7 30	20 31.07	−26 1.4	2.083	3.092	2.5	19.2
8 9	20 21.97	−26 1.4	2.102	3.088	5.3	19.4
8 19	20 13.90	−25 52.1	2.148	3.085	8.5	19.6
8 29	20 7.60	−25 34.0	2.219	3.081	11.5	19.8

221501 2006 DV_{42} 7 28.6 299°.97 1°.7/29.9 18

6 20	20 53.55	−11 29.0	2.274	3.086	13.2	20.7
6 30	20 50.30	−11 46.0	2.174	3.072	10.6	20.5
7 10	20 45.21	−12 14.4	2.096	3.057	7.5	20.3
7 20	20 38.68	−12 53.0	2.043	3.043	4.1	20.0
7 30	20 31.31	−13 38.9	2.016	3.029	1.7	19.8
8 9	20 23.90	−14 28.5	2.017	3.015	4.2	20.0
8 19	20 17.23	−15 18.0	2.045	3.001	7.7	20.2
8 29	20 12.02	−16 4.1	2.099	2.987	11.0	20.4

379161 2009 QL_{19} 7 28.6 267°.39 3°.9/26.6 18

6 20	21 3.43	−26 47.3	1.807	2.646	15.1	22.0
6 30	20 58.91	−27 23.2	1.709	2.624	12.0	21.8
7 10	20 51.57	−28 2.2	1.632	2.602	8.4	21.5
7 20	20 41.89	−28 38.5	1.579	2.580	5.0	21.3
7 30	20 30.79	−29 5.9	1.552	2.557	4.2	21.2
8 9	20 19.58	−29 19.4	1.552	2.533	7.4	21.3
8 19	20 9.56	−29 16.7	1.577	2.509	11.4	21.5
8 29	20 1.89	−28 58.6	1.624	2.485	15.1	21.7

213118 2000 AL_{183} 7 28.6 316°.84 10°.4/ 1.2 18

6 20	20 58.38	+ 5 3.1	2.072	2.804	16.8	18.7
6 30	20 54.31	+ 6 51.7	1.972	2.785	15.0	18.5
7 10	20 48.09	+ 8 26.7	1.892	2.766	13.0	18.4
7 20	20 40.13	+ 9 43.0	1.833	2.747	11.3	18.2
7 30	20 31.08	+10 36.3	1.798	2.729	10.4	18.1
8 9	20 21.87	+11 4.7	1.786	2.712	10.8	18.1
8 19	20 13.44	+11 8.7	1.799	2.694	12.3	18.2
8 29	20 6.67	+10 52.0	1.833	2.678	14.4	18.3

399265 2014 HT_{47} 7 28.6 53°.97 5°.9/25.0 15

6 20	21 0.71	−32 21.5	1.868	2.713	14.4	20.5
6 30	20 56.29	−33 26.2	1.818	2.733	11.4	20.4
7 10	20 49.36	−34 28.1	1.790	2.753	8.5	20.2
7 20	20 40.60	−35 20.3	1.787	2.773	6.3	20.2
7 30	20 31.04	−35 56.8	1.809	2.794	6.3	20.2
8 9	20 21.86	−36 14.1	1.857	2.815	8.3	20.4
8 19	20 14.11	−36 11.9	1.928	2.835	11.0	20.6
8 29	20 8.63	−35 52.5	2.022	2.856	13.6	20.8

202091 2004 TF_{14} 7 28.6 345°.57 4°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.42	− 9 5.0	1.191	2.047	20.2	19.5
6 30	20 48.55	− 8 54.1	1.113	2.033	16.5	19.3
7 10	20 44.83	− 9 3.6	1.053	2.021	12.1	19.0
7 20	20 38.75	− 9 34.0	1.011	2.011	7.4	18.7
7 30	20 31.30	−10 22.6	0.992	2.002	4.2	18.5
8 9	20 23.85	−11 23.6	0.994	1.994	6.8	18.6
8 19	20 17.77	−12 29.4	1.018	1.988	11.7	18.8
8 29	20 14.25	−13 32.5	1.063	1.984	16.4	19.1

131215 2001 DB_{63} 7 28.6 41°.40 3°.4/31.1 18

6 20	20 54.90	− 6 4.1	1.771	2.578	16.6	19.5
6 30	20 51.73	− 6 33.9	1.692	2.581	13.5	19.3
7 10	20 46.36	− 7 23.3	1.632	2.585	9.9	19.1
7 20	20 39.27	− 8 30.6	1.596	2.588	6.1	18.9
7 30	20 31.25	− 9 51.8	1.584	2.592	3.4	18.7
8 9	20 23.31	−11 20.7	1.600	2.597	5.3	18.8
8 19	20 16.40	−12 50.6	1.642	2.601	9.0	19.1
8 29	20 11.37	−14 15.3	1.708	2.605	12.6	19.3

189758 2002 AA_{98} 7 28.6 320°.41 3°.0/27.2 18

6 20	20 55.51	−22 32.4	1.361	2.227	17.6	19.2
6 30	20 53.38	−23 8.9	1.273	2.205	13.9	18.9
7 10	20 48.20	−23 54.4	1.204	2.184	9.5	18.6
7 20	20 40.42	−24 43.5	1.156	2.163	4.9	18.3
7 30	20 31.04	−25 28.7	1.132	2.143	3.4	18.2
8 9	20 21.54	−26 3.2	1.132	2.124	7.7	18.4
8 19	20 13.41	−26 22.6	1.154	2.106	12.7	18.6
8 29	20 7.97	−26 25.3	1.196	2.088	17.2	18.8

88862 2001 SF_{249} 7 28.6 274°.67 1°.4/27.8 18

6 20	20 57.40	−20 52.1	2.092	2.926	13.5	19.8
6 30	20 53.48	−21 19.7	2.006	2.921	10.5	19.6
7 10	20 47.44	−21 53.1	1.942	2.915	7.1	19.4
7 20	20 39.76	−22 28.8	1.903	2.910	3.4	19.1
7 30	20 31.19	−23 2.7	1.892	2.905	1.7	19.0
8 9	20 22.68	−23 30.8	1.907	2.899	5.1	19.2
8 19	20 15.14	−23 50.7	1.949	2.894	8.8	19.5
8 29	20 9.39	−24 1.1	2.015	2.889	12.1	19.7

445456 2010 VF_{15} 7 28.6 324°.07 6°.6/31.9 16

6 20	20 54.82	− 3 2.2	1.924	2.711	16.2	20.8
6 30	20 51.60	− 2 8.0	1.828	2.696	13.7	20.6
7 10	20 46.26	− 1 27.9	1.752	2.682	10.9	20.3
7 20	20 39.25	− 1 4.0	1.699	2.668	8.2	20.2
7 30	20 31.26	− 0 57.6	1.669	2.655	6.7	20.0
8 9	20 23.23	− 1 7.8	1.665	2.642	7.4	20.1
8 19	20 16.06	− 1 32.0	1.685	2.629	10.0	20.2
8 29	20 10.62	− 2 5.9	1.729	2.617	13.0	20.3

2445 Blazhko 7 28.6 250°.18 2°.7/27.1 18 R

6 20	21 1.05	−21 40.4	1.617	2.462	16.3	16.1
6 30	20 57.21	−22 33.2	1.529	2.449	12.8	15.8
7 10	20 50.51	−23 35.6	1.461	2.436	8.8	15.6
7 20	20 41.42	−24 41.8	1.416	2.422	4.5	15.3
7 30	20 30.91	−25 44.4	1.398	2.408	3.1	15.1
8 9	20 20.29	−26 36.5	1.405	2.394	7.1	15.4
8 19	20 10.92	−27 13.5	1.437	2.379	11.5	15.6
8 29	20 3.98	−27 34.1	1.492	2.363	15.6	15.8

390188 2012 WD_{20} 7 28.6 298°.63 2°.1/29.8 18

6 20	20 57.91	−12 58.4	1.867	2.688	15.4	20.9
6 30	20 54.02	−12 46.6	1.781	2.683	12.3	20.7
7 10	20 47.89	−12 44.9	1.715	2.679	8.7	20.5
7 20	20 40.00	−12 52.4	1.673	2.674	4.8	20.3
7 30	20 31.16	−13 7.0	1.657	2.669	2.1	20.1
8 9	20 22.40	−13 25.7	1.668	2.665	5.0	20.3
8 19	20 14.68	−13 45.6	1.705	2.661	8.9	20.5
8 29	20 8.87	−14 4.0	1.765	2.657	12.6	20.7

106409 2000 VE_{31} 7 28.6 231°.44 1°.3/29.3 18

6 20	21 0.90	−14 26.9	1.617	2.446	17.0	20.4
6 30	20 56.81	−14 29.6	1.531	2.440	13.5	20.1
7 10	20 50.04	−14 44.1	1.465	2.433	9.4	19.9
7 20	20 41.12	−15 8.1	1.422	2.426	4.8	19.6
7 30	20 30.98	−15 38.3	1.405	2.419	1.4	19.3
8 9	20 20.87	−16 10.1	1.413	2.411	5.5	19.6
8 19	20 12.00	−16 39.5	1.447	2.403	10.2	19.9
8 29	20 5.41	−17 3.7	1.504	2.395	14.4	20.1

206167 2002 TS_{242} 7 28.7 318°.85 1°.1/28.1 18

6 20	20 56.89	−20 16.1	1.675	2.522	15.7	20.0
6 30	20 53.71	−20 29.2	1.585	2.507	12.4	19.7
7 10	20 47.96	−20 49.4	1.516	2.492	8.4	19.5
7 20	20 40.14	−21 13.3	1.470	2.478	4.0	19.2
7 30	20 31.14	−21 36.5	1.450	2.464	1.4	19.0
8 9	20 22.14	−21 54.6	1.455	2.450	5.8	19.2
8 19	20 14.31	−22 4.8	1.485	2.438	10.3	19.5
8 29	20 8.65	−22 5.9	1.537	2.425	14.3	19.7

180112 2003 FW_{28} 7 28.7 57°.17 3°.1/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.18	− 6 47.4	2.148	2.945	14.4	19.7
6 30	20 50.75	− 7 5.0	2.066	2.949	11.7	19.5
7 10	20 45.47	− 7 37.6	2.005	2.954	8.6	19.4
7 20	20 38.79	− 8 23.9	1.967	2.958	5.3	19.2
7 30	20 31.37	− 9 21.4	1.957	2.963	3.2	19.0
8 9	20 24.03	−10 25.6	1.973	2.968	4.7	19.1
8 19	20 17.54	−11 32.1	2.017	2.973	7.8	19.3
8 29	20 12.60	−12 36.3	2.086	2.978	10.9	19.5

195355 2002 FS_{8} 7 28.7 166°.90 7°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.31	+ 2 48.1	1.962	2.716	17.0	20.5
6 30	20 52.61	+ 3 16.8	1.879	2.717	14.6	20.4
7 10	20 46.85	+ 3 25.3	1.813	2.719	12.0	20.2
7 20	20 39.49	+ 3 11.7	1.769	2.720	9.4	20.0
7 30	20 31.27	+ 2 35.8	1.749	2.721	7.7	19.9
8 9	20 23.09	+ 1 40.2	1.754	2.721	8.0	20.0
8 19	20 15.84	+ 0 29.9	1.785	2.722	9.9	20.1
8 29	20 10.32	− 0 49.0	1.839	2.722	12.6	20.2

113350 2002 RG_{235} 7 28.7 342°.15 0°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.80	−16 19.3	1.728	2.565	15.7	20.1
6 30	20 53.37	−16 27.9	1.647	2.562	12.4	19.9
7 10	20 47.56	−16 46.3	1.587	2.558	8.5	19.6
7 20	20 39.88	−17 11.8	1.549	2.555	4.1	19.4
7 30	20 31.21	−17 40.8	1.538	2.553	0.7	19.1
8 9	20 22.62	−18 9.1	1.552	2.550	5.1	19.4
8 19	20 15.19	−18 33.5	1.592	2.548	9.4	19.7
8 29	20 9.81	−18 51.4	1.655	2.547	13.3	19.9

137499 1999 VS_{11} 7 28.7 220°.70 3°.3/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.00	−24 47.6	1.951	2.785	14.3	20.8
6 30	20 58.21	−25 35.9	1.862	2.776	11.3	20.6
7 10	20 50.88	−26 29.1	1.795	2.766	7.8	20.3
7 20	20 41.50	−27 21.6	1.753	2.756	4.4	20.1
7 30	20 30.95	−28 7.2	1.739	2.744	3.6	20.0
8 9	20 20.38	−28 40.9	1.751	2.733	6.6	20.2
8 19	20 10.94	−29 0.0	1.790	2.720	10.3	20.4
8 29	20 3.62	−29 4.4	1.852	2.707	13.8	20.6

188166 2002 GO_{128} 7 28.7 79°.10 2°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.08	−11 24.2	2.284	3.091	13.4	20.2
6 30	20 52.03	−11 23.3	2.208	3.102	10.6	20.1
7 10	20 46.22	−11 32.4	2.154	3.112	7.5	19.9
7 20	20 39.10	−11 50.1	2.125	3.123	4.3	19.7
7 30	20 31.35	−12 14.4	2.123	3.133	2.1	19.6
8 9	20 23.74	−12 42.4	2.148	3.144	4.2	19.7
8 19	20 17.02	−13 11.4	2.201	3.155	7.4	19.9
8 29	20 11.81	−13 38.7	2.279	3.165	10.3	20.2

121694 1999 XF_{67} 7 28.7 155°.69 0°.2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.00	−17 44.7	2.709	3.525	11.2	20.7
6 30	20 51.78	−18 7.2	2.626	3.529	8.8	20.5
7 10	20 45.97	−18 35.4	2.565	3.533	5.9	20.4
7 20	20 38.97	−19 7.1	2.531	3.537	2.8	20.2
7 30	20 31.37	−19 39.5	2.526	3.541	0.5	20.0
8 9	20 23.85	−20 9.6	2.549	3.544	3.7	20.2
8 19	20 17.07	−20 35.4	2.601	3.547	6.8	20.4
8 29	20 11.61	−20 55.3	2.678	3.550	9.5	20.6

33237 1998 GY_{8} 7 28.7 125°.68 0°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.44	−14 35.5	2.152	2.965	13.8	19.4
6 30	20 54.82	−15 25.7	2.079	2.981	10.8	19.2
7 10	20 48.20	−16 26.5	2.029	2.996	7.3	19.1
7 20	20 40.08	−17 34.3	2.005	3.010	3.5	18.8
7 30	20 31.21	−18 44.2	2.010	3.024	0.5	18.6
8 9	20 22.48	−19 51.1	2.043	3.038	4.4	19.0
8 19	20 14.74	−20 50.9	2.103	3.051	8.1	19.2
8 29	20 8.71	−21 40.9	2.189	3.063	11.2	19.4

362851 2012 BR_{32} 7 28.7 154°.39 1°.7/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.11	−23 46.0	2.538	3.363	11.7	21.3
6 30	20 54.33	−23 58.0	2.456	3.365	9.1	21.1
7 10	20 47.74	−24 11.9	2.398	3.368	6.1	20.9
7 20	20 39.82	−24 24.9	2.366	3.370	3.1	20.7
7 30	20 31.26	−24 34.0	2.362	3.373	1.9	20.6
8 9	20 22.84	−24 37.0	2.386	3.375	4.5	20.8
8 19	20 15.31	−24 32.7	2.438	3.377	7.6	21.0
8 29	20 9.34	−24 21.2	2.515	3.379	10.3	21.2

339414 2005 CA_{65} 7 28.7 219°.91 0°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.28	−13 35.1	2.239	3.051	13.4	21.1
6 30	20 53.27	−14 18.2	2.144	3.044	10.6	20.9
7 10	20 47.28	−15 13.3	2.071	3.037	7.3	20.7
7 20	20 39.72	−16 17.3	2.024	3.029	3.6	20.5
7 30	20 31.26	−17 26.2	2.005	3.020	0.6	20.2
8 9	20 22.76	−18 34.9	2.015	3.011	4.4	20.5
8 19	20 15.06	−19 38.9	2.052	3.002	8.1	20.7
8 29	20 8.95	−20 34.9	2.115	2.992	11.4	20.9

98660 2000 WD_{155} 7 28.7 77°.59 1°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 4.18	−21 35.7	1.408	2.256	18.1	18.9
6 30	20 59.63	−21 37.0	1.340	2.261	14.2	18.7
7 10	20 52.02	−21 43.7	1.291	2.266	9.6	18.5
7 20	20 42.04	−21 51.7	1.264	2.271	4.6	18.2
7 30	20 30.92	−21 56.4	1.263	2.277	1.7	18.0
8 9	20 20.14	−21 54.0	1.287	2.282	6.4	18.3
8 19	20 11.07	−21 43.2	1.335	2.287	11.2	18.6
8 29	20 4.75	−21 24.4	1.404	2.293	15.4	18.9

168937 2000 YU_{95} 7 28.7 315°.49 3°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.32	−20 7.1	1.254	2.123	18.6	19.2
6 30	20 53.44	−21 13.4	1.174	2.108	14.7	18.9
7 10	20 48.38	−22 35.0	1.112	2.093	10.0	18.6
7 20	20 40.58	−24 5.2	1.071	2.079	5.1	18.3
7 30	20 31.12	−25 34.0	1.054	2.065	3.5	18.1
8 9	20 21.52	−26 51.4	1.060	2.052	8.2	18.4
8 19	20 13.38	−27 50.0	1.089	2.040	13.4	18.6
8 29	20 8.10	−28 26.8	1.137	2.028	18.0	18.9

8462 Hazelsears 7 28.7 78°.66 1°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.26	−14 8.7	1.742	2.570	16.0	19.2
6 30	20 54.38	−14 21.8	1.669	2.577	12.6	19.0
7 10	20 48.16	−14 46.4	1.616	2.584	8.7	18.8
7 20	20 40.14	−15 20.1	1.587	2.591	4.4	18.6
7 30	20 31.22	−15 58.9	1.584	2.598	1.2	18.3
8 9	20 22.48	−16 38.4	1.607	2.605	5.0	18.6
8 19	20 14.92	−17 14.7	1.656	2.612	9.2	18.9
8 29	20 9.40	−17 44.9	1.729	2.619	12.9	19.1

371456 2006 SY_{346} 7 28.7 208°.37 0°.8/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.19	−19 18.9	1.890	2.718	14.9	22.1
6 30	20 57.47	−19 39.9	1.803	2.713	11.7	21.9
7 10	20 50.31	−20 8.2	1.737	2.708	8.0	21.6
7 20	20 41.21	−20 40.3	1.696	2.702	3.8	21.4
7 30	20 31.05	−21 11.8	1.681	2.696	1.2	21.2
8 9	20 20.94	−21 38.4	1.695	2.689	5.3	21.4
8 19	20 11.96	−21 57.4	1.734	2.681	9.5	21.7
8 29	20 5.05	−22 7.4	1.797	2.673	13.2	21.9

50399 2000 CQ_{102} 7 28.7 89°.74 0°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.32	−17 36.0	1.978	2.805	14.4	18.8
6 30	20 54.87	−17 48.7	1.908	2.817	11.3	18.6
7 10	20 48.29	−18 8.7	1.859	2.830	7.6	18.5
7 20	20 40.14	−18 33.1	1.836	2.842	3.6	18.2
7 30	20 31.24	−18 58.6	1.839	2.854	0.6	18.0
8 9	20 22.56	−19 21.7	1.869	2.866	4.6	18.3
8 19	20 15.01	−19 39.8	1.927	2.878	8.4	18.6
8 29	20 9.33	−19 51.5	2.008	2.889	11.8	18.8

507183 2010 MA_{2} 7 28.7 312°.87 21°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.92	+17 3.7	1.383	2.085	25.0	21.0
6 30	20 54.51	+20 9.1	1.302	2.063	23.8	20.8
7 10	20 49.10	+22 52.2	1.235	2.041	22.5	20.6
7 20	20 41.00	+25 1.2	1.183	2.019	21.5	20.4
7 30	20 31.05	+26 24.7	1.147	1.999	21.0	20.3
8 9	20 20.59	+26 56.3	1.126	1.978	21.2	20.3
8 19	20 11.16	+26 35.1	1.120	1.959	22.0	20.3
8 29	20 4.24	+25 27.2	1.129	1.940	23.4	20.3

535 Montague 7 28.7 148°.59 2°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.29	−22 28.5	1.777	2.620	15.1	13.6
6 30	20 55.38	−23 20.8	1.702	2.622	11.8	13.4
7 10	20 48.96	−24 20.0	1.649	2.623	8.0	13.1
7 20	20 40.59	−25 20.4	1.619	2.624	4.2	12.9
7 30	20 31.17	−26 15.8	1.616	2.626	3.0	12.8
8 9	20 21.86	−27 0.5	1.640	2.627	6.4	13.1
8 19	20 13.78	−27 31.4	1.689	2.628	10.3	13.3
8 29	20 7.85	−27 47.6	1.761	2.629	13.8	13.5

393862 2005 SO_{233} 7 28.7 338°.03 5°.3/25.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.77	−29 11.5	1.617	2.478	15.5	20.7
6 30	20 53.13	−30 0.9	1.537	2.464	12.3	20.4
7 10	20 47.73	−30 51.9	1.477	2.450	8.9	20.2
7 20	20 40.10	−31 38.0	1.440	2.437	6.0	20.0
7 30	20 31.23	−32 11.9	1.427	2.425	5.7	20.0
8 9	20 22.42	−32 28.6	1.439	2.414	8.5	20.1
8 19	20 14.95	−32 26.0	1.474	2.404	12.1	20.3
8 29	20 9.88	−32 5.0	1.530	2.396	15.6	20.5

4993 Cossard 7 28.7 71°.78 5°.3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.79	−28 3.7	1.458	2.313	17.2	16.8
6 30	20 58.68	−28 59.8	1.396	2.319	13.6	16.6
7 10	20 51.46	−29 57.9	1.354	2.326	9.6	16.4
7 20	20 41.83	−30 50.2	1.334	2.333	6.1	16.2
7 30	20 31.00	−31 28.7	1.339	2.340	5.6	16.2
8 9	20 20.50	−31 48.1	1.369	2.346	8.6	16.4
8 19	20 11.72	−31 47.2	1.423	2.353	12.5	16.7
8 29	20 5.73	−31 28.0	1.497	2.360	16.0	16.9

188984 2008 FV_{66} 7 28.7 50°.80 0°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.25	−17 50.0	2.036	2.867	13.9	20.5
6 30	20 52.45	−18 14.6	1.968	2.881	10.8	20.3
7 10	20 46.65	−18 46.6	1.922	2.894	7.3	20.2
7 20	20 39.37	−19 23.0	1.901	2.908	3.4	19.9
7 30	20 31.39	−19 59.9	1.907	2.922	0.7	19.8
8 9	20 23.61	−20 33.5	1.940	2.936	4.6	20.1
8 19	20 16.87	−21 0.9	1.999	2.950	8.2	20.3
8 29	20 11.87	−21 20.6	2.083	2.964	11.4	20.6

57844 2001 XV_{60} 7 28.7 175°.78 0°.2/28.8 18

6 20	20 56.56	−16 18.1	2.224	3.046	13.2	20.3
6 30	20 52.62	−16 37.9	2.140	3.046	10.3	20.1
7 10	20 46.77	−17 5.9	2.078	3.047	7.0	19.9
7 20	20 39.45	−17 39.4	2.041	3.047	3.4	19.7
7 30	20 31.37	−18 15.3	2.032	3.047	0.5	19.5
8 9	20 23.37	−18 49.9	2.050	3.047	4.3	19.8
8 19	20 16.25	−19 20.4	2.096	3.047	7.9	20.0
8 29	20 10.74	−19 44.7	2.166	3.047	11.0	20.2

286540 2002 CJ_{123} 7 28.7 228°.75 2°.0/30.2 18

6 20	20 55.10	−10 14.2	2.485	3.285	12.6	20.8
6 30	20 51.30	−10 31.8	2.390	3.278	10.1	20.6
7 10	20 45.80	−11 0.6	2.316	3.272	7.2	20.4
7 20	20 38.99	−11 39.2	2.267	3.265	4.1	20.2
7 30	20 31.44	−12 25.1	2.247	3.258	2.0	20.1
8 9	20 23.89	−13 14.9	2.254	3.250	4.0	20.2
8 19	20 17.05	−14 5.3	2.290	3.243	7.2	20.4
8 29	20 11.57	−14 52.9	2.351	3.235	10.2	20.6

22946 1999 TH_{218} 7 28.7 193°.00 3°.7/31.8 18

6 20	20 54.62	− 4 26.1	2.885	3.652	11.8	20.1
6 30	20 50.61	− 4 20.9	2.790	3.650	9.7	20.0
7 10	20 45.17	− 4 27.1	2.717	3.648	7.4	19.8
7 20	20 38.64	− 4 44.6	2.669	3.646	5.1	19.7
7 30	20 31.53	− 5 12.3	2.648	3.643	3.7	19.6
8 9	20 24.44	− 5 48.2	2.655	3.640	4.5	19.6
8 19	20 17.96	− 6 29.6	2.691	3.637	6.6	19.8
8 29	20 12.64	− 7 13.5	2.753	3.633	9.0	19.9

311907 2007 AH_9 7 28.7 91°.40 3°.0/26.7 18

6 20	20 58.80	−26 10.6	2.317	3.150	12.4	20.8
6 30	20 54.29	−26 48.4	2.249	3.162	9.6	20.6
7 10	20 47.83	−27 27.6	2.203	3.173	6.6	20.4
7 20	20 39.93	−28 4.1	2.184	3.185	3.8	20.3
7 30	20 31.34	−28 33.6	2.192	3.196	3.2	20.2
8 9	20 22.95	−28 53.1	2.228	3.208	5.6	20.4
8 19	20 15.58	−29 1.2	2.290	3.219	8.5	20.6
8 29	20 9.92	−28 58.1	2.377	3.230	11.2	20.8

96124 2058 $T\text{-}_3$ 7 28.7 119°.38 1°.2/29.6 18

6 20	20 56.98	−13 46.3	2.527	3.334	12.2	19.9
6 30	20 52.59	−13 49.1	2.449	3.344	9.7	19.7
7 10	20 46.55	−13 59.7	2.392	3.354	6.7	19.5
7 20	20 39.30	−14 16.5	2.362	3.363	3.5	19.3
7 30	20 31.45	−14 37.2	2.359	3.373	1.3	19.2
8 9	20 23.74	−14 59.5	2.385	3.382	3.8	19.4
8 19	20 16.83	−15 21.1	2.439	3.391	6.9	19.6
8 29	20 11.34	−15 40.1	2.518	3.399	9.7	19.8

4597 Consolmagno 7 28.7 55°.88 2°.7/27.2 18

6 20	20 59.41	−22 33.2	1.577	2.427	16.4	16.5
6 30	20 55.62	−23 19.3	1.515	2.439	12.7	16.3
7 10	20 49.17	−24 11.8	1.474	2.450	8.6	16.1
7 20	20 40.69	−25 4.8	1.456	2.462	4.4	15.9
7 30	20 31.24	−25 51.7	1.464	2.474	3.1	15.8
8 9	20 22.07	−26 27.3	1.498	2.487	6.6	16.1
8 19	20 14.35	−26 48.8	1.556	2.499	10.7	16.3
8 29	20 9.00	−26 56.0	1.636	2.512	14.2	16.6

150072 2006 SL_{154} 7 28.7 228°.64 2°.1/29.9 18

6 20	20 58.69	−11 0.3	1.704	2.523	16.7	20.4
6 30	20 54.96	−11 17.6	1.616	2.518	13.4	20.1
7 10	20 48.77	−11 50.3	1.549	2.512	9.5	19.9
7 20	20 40.57	−12 36.7	1.505	2.505	5.2	19.6
7 30	20 31.24	−13 32.8	1.486	2.499	2.1	19.4
8 9	20 21.90	−14 33.3	1.494	2.492	5.3	19.6
8 19	20 13.65	−15 32.8	1.527	2.484	9.7	19.8
8 29	20 7.48	−16 26.6	1.584	2.477	13.7	20.1

447314 2005 XF_6 7 28.7 219°.74 7°.7/ 2.6 17

6 20	20 57.28	+ 5 2.9	2.609	3.323	14.1	21.0
6 30	20 52.88	+ 6 6.9	2.515	3.319	12.4	20.8
7 10	20 46.83	+ 6 56.6	2.442	3.315	10.5	20.7
7 20	20 39.49	+ 7 29.5	2.391	3.310	8.8	20.6
7 30	20 31.45	+ 7 43.9	2.365	3.305	7.8	20.5
8 9	20 23.38	+ 7 40.0	2.364	3.301	8.0	20.5
8 19	20 16.00	+ 7 19.8	2.390	3.295	9.2	20.6
8 29	20 9.93	+ 6 46.7	2.440	3.290	11.0	20.7

420368 2012 BK_{110} 7 28.7 110°.82 0°.4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 1.80	−15 1.9	1.620	2.449	17.0	21.9
6 30	20 57.29	−15 32.0	1.555	2.464	13.3	21.7
7 10	20 50.21	−16 14.5	1.509	2.479	9.1	21.5
7 20	20 41.18	−17 5.4	1.487	2.493	4.4	21.2
7 30	20 31.20	−17 59.4	1.492	2.507	0.7	21.0
8 9	20 21.48	−18 50.8	1.523	2.520	5.3	21.4
8 19	20 13.15	−19 35.2	1.580	2.533	9.7	21.6
8 29	20 7.09	−20 10.1	1.660	2.545	13.6	21.9

103270 2000 AJ_{30} 7 28.7 145°.33 0°.4/28.9 18

6 20	21 0.72	−17 12.7	2.138	2.957	13.8	20.0
6 30	20 55.86	−17 10.0	2.058	2.962	10.8	19.8
7 10	20 48.95	−17 13.5	2.000	2.967	7.4	19.6
7 20	20 40.51	−17 21.3	1.967	2.972	3.6	19.4
7 30	20 31.30	−17 30.8	1.962	2.977	0.6	19.1
8 9	20 22.26	−17 39.5	1.984	2.981	4.4	19.4
8 19	20 14.25	−17 45.5	2.034	2.985	8.1	19.7
8 29	20 8.02	−17 47.5	2.109	2.989	11.3	19.9

472859 2015 FQ_{294} 7 28.7 94°.54 1°.4/29.6 17

6 20	20 57.22	−11 55.9	1.818	2.639	15.7	21.3
6 30	20 53.52	−12 27.0	1.743	2.647	12.5	21.1
7 10	20 47.59	−13 12.3	1.689	2.654	8.7	20.8
7 20	20 39.94	−14 8.9	1.658	2.661	4.5	20.6
7 30	20 31.39	−15 12.2	1.654	2.668	1.4	20.4
8 9	20 22.97	−16 16.8	1.677	2.675	4.8	20.7
8 19	20 15.64	−17 17.7	1.726	2.682	8.9	20.9
8 29	20 10.23	−18 11.0	1.799	2.689	12.5	21.2

41297 1999 XE_{123} 7 28.7 331°.25 10°.7/22.9 18

6 20	21 0.76	−39 40.4	1.416	2.274	17.5	18.1
6 30	20 58.03	−41 0.6	1.345	2.257	14.8	17.8
7 10	20 51.64	−42 14.1	1.293	2.242	12.3	17.6
7 20	20 42.19	−43 10.0	1.261	2.227	10.8	17.5
7 30	20 31.03	−43 37.7	1.252	2.213	11.2	17.5
8 9	20 20.03	−43 31.5	1.263	2.200	13.4	17.6
8 19	20 10.97	−42 51.8	1.296	2.188	16.3	17.7
8 29	20 5.22	−41 43.6	1.346	2.177	19.3	17.9

255608 2006 PS_{13} 7 28.7 19°.63 5°.1/31.2 17

6 20	20 55.64	− 7 16.1	1.211	2.050	21.0	20.2
6 30	20 53.25	− 6 56.8	1.146	2.054	17.2	20.0
7 10	20 47.91	− 6 58.7	1.098	2.058	12.8	19.7
7 20	20 40.24	− 7 22.4	1.069	2.063	8.2	19.5
7 30	20 31.36	− 8 5.3	1.063	2.069	5.1	19.3
8 9	20 22.68	− 9 1.5	1.079	2.076	7.1	19.5
8 19	20 15.54	−10 4.0	1.118	2.083	11.5	19.7
8 29	20 11.02	−11 5.5	1.178	2.091	15.8	20.0

183197 2002 TG_{10} 7 28.7 311°.96 5°.4/26.4 18

6 20	21 1.24	−28 36.5	1.381	2.243	17.6	19.6
6 30	20 57.96	−29 16.1	1.302	2.229	14.1	19.3
7 10	20 51.35	−29 57.6	1.242	2.216	10.0	19.0
7 20	20 41.99	−30 33.7	1.203	2.203	6.4	18.8
7 30	20 31.08	−30 56.1	1.189	2.191	5.8	18.7
8 9	20 20.24	−30 59.3	1.198	2.179	9.1	18.9
8 19	20 11.07	−30 41.8	1.229	2.167	13.4	19.1
8 29	20 4.84	−30 5.7	1.281	2.156	17.4	19.3

275301 2010 OR_{121} 7 28.7 64°.32 0°.6/28.3 18

6 20	20 57.34	−19 38.1	2.267	3.095	12.8	20.5
6 30	20 53.18	−19 50.8	2.188	3.098	10.0	20.3
7 10	20 47.12	−20 8.6	2.131	3.102	6.7	20.1
7 20	20 39.65	−20 28.9	2.099	3.106	3.2	19.9
7 30	20 31.46	−20 48.7	2.095	3.109	0.9	19.7
8 9	20 23.41	−21 5.0	2.118	3.113	4.4	20.0
8 19	20 16.29	−21 15.9	2.169	3.117	7.8	20.2
8 29	20 10.79	−21 20.5	2.244	3.121	10.9	20.4

9375 Omodaka 7 28.7 126°.48 0°.2/28.8 18 R

6 20	21 1.01	−15 48.7	1.765	2.592	15.9	18.2
6 30	20 56.53	−16 17.1	1.694	2.602	12.5	18.0
7 10	20 49.64	−16 56.4	1.643	2.613	8.5	17.7
7 20	20 40.92	−17 42.8	1.617	2.623	4.1	17.5
7 30	20 31.27	−18 31.7	1.617	2.632	0.6	17.3
8 9	20 21.82	−19 17.9	1.645	2.641	5.1	17.6
8 19	20 13.60	−19 57.5	1.698	2.650	9.3	17.9
8 29	20 7.49	−20 28.2	1.776	2.659	13.0	18.1

114817 2003 OK_{10} 7 28.7 266°.68 7°.7/30.7 18

6 20	21 5.76	− 3 17.3	1.978	2.741	16.6	19.6
6 30	21 0.15	− 1 37.4	1.877	2.728	14.1	19.3
7 10	20 52.14	− 0 6.7	1.797	2.714	11.4	19.1
7 20	20 42.18	+ 1 11.0	1.742	2.700	8.9	19.0
7 30	20 31.07	+ 2 12.1	1.713	2.686	7.7	18.9
8 9	20 19.86	+ 2 54.8	1.711	2.672	8.7	18.9
8 19	20 9.61	+ 3 19.3	1.735	2.658	11.1	19.0
8 29	20 1.29	+ 3 28.1	1.783	2.643	14.0	19.2

262933 2007 DY_{17} 7 28.7 295°.92 1°.2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.66	−13 4.3	2.203	3.020	13.4	20.6
6 30	20 51.26	−13 22.5	2.109	3.010	10.7	20.4
7 10	20 45.96	−13 51.5	2.037	3.001	7.5	20.2
7 20	20 39.16	−14 29.3	1.989	2.992	3.9	19.9
7 30	20 31.54	−15 12.9	1.968	2.982	1.2	19.7
8 9	20 23.90	−15 58.6	1.975	2.973	4.3	19.9
8 19	20 17.07	−16 42.7	2.009	2.964	7.9	20.1
8 29	20 11.78	−17 22.2	2.068	2.955	11.2	20.3

128001 2003 HV_{51} 7 28.7 56°.10 0°.2/28.8 17

6 20	20 59.67	−14 46.2	1.438	2.279	18.1	18.8
6 30	20 55.73	−15 27.4	1.390	2.306	14.1	18.6
7 10	20 49.16	−16 22.2	1.361	2.334	9.5	18.4
7 20	20 40.66	−17 25.5	1.355	2.361	4.5	18.2
7 30	20 31.34	−18 30.8	1.374	2.389	0.6	18.0
8 9	20 22.46	−19 31.5	1.419	2.417	5.5	18.4
8 19	20 15.14	−20 22.9	1.489	2.445	10.0	18.8
8 29	20 10.20	−21 2.3	1.581	2.472	13.8	19.1

246998 1999 VG_{16} 7 28.7 83°.30 4°.7/31.4 17

6 20	20 57.90	− 5 57.8	1.845	2.642	16.4	20.9
6 30	20 53.93	− 5 34.7	1.770	2.650	13.5	20.7
7 10	20 47.80	− 5 26.8	1.715	2.658	10.2	20.5
7 20	20 40.03	− 5 34.5	1.682	2.666	6.8	20.4
7 30	20 31.43	− 5 56.5	1.674	2.674	4.8	20.3
8 9	20 22.98	− 6 29.7	1.693	2.682	6.0	20.4
8 19	20 15.60	− 7 10.2	1.737	2.690	9.1	20.6
8 29	20 10.08	− 7 53.6	1.805	2.698	12.3	20.8

421428 2014 AR_{3} 7 28.7 213°.66 1°.4/27.9 18

6 20	20 59.99	−20 30.6	2.045	2.875	13.9	22.3
6 30	20 55.62	−21 0.6	1.958	2.870	10.9	22.1
7 10	20 49.01	−21 37.0	1.893	2.865	7.4	21.9
7 20	20 40.65	−22 16.0	1.854	2.860	3.5	21.7
7 30	20 31.33	−22 53.3	1.841	2.854	1.6	21.5
8 9	20 22.06	−23 24.5	1.856	2.848	5.2	21.7
8 19	20 13.81	−23 47.1	1.898	2.842	9.0	22.0
8 29	20 7.43	−23 59.7	1.964	2.835	12.4	22.2

24156 Hamsasridhar 7 28.7 93°.24 0°.9/29.2 18

6 20	21 0.94	−14 3.8	1.583	2.413	17.3	18.4
6 30	20 56.65	−14 28.9	1.520	2.429	13.6	18.2
7 10	20 49.79	−15 7.0	1.477	2.446	9.3	18.0
7 20	20 41.00	−15 54.8	1.457	2.462	4.6	17.8
7 30	20 31.30	−16 47.0	1.462	2.477	0.9	17.5
8 9	20 21.88	−17 38.1	1.495	2.493	5.3	17.9
8 19	20 13.85	−18 23.5	1.552	2.508	9.7	18.2
8 29	20 8.10	−19 0.2	1.633	2.522	13.5	18.5

38209 1999 NE 7 28.7 48°.26 0°.6/28.4 18

6 20	20 58.95	−18 31.4	1.670	2.511	16.0	19.9
6 30	20 55.15	−18 52.6	1.597	2.514	12.6	19.7
7 10	20 48.84	−19 22.4	1.544	2.518	8.5	19.4
7 20	20 40.60	−19 57.2	1.515	2.522	4.0	19.2
7 30	20 31.36	−20 32.3	1.511	2.526	1.0	19.0
8 9	20 22.29	−21 3.0	1.533	2.530	5.5	19.3
8 19	20 14.50	−21 26.1	1.581	2.534	9.8	19.6
8 29	20 8.89	−21 40.0	1.652	2.538	13.6	19.8

217659 1998 SP_{20} 7 28.7 246°.07 0°.9/29.2 18

6 20	21 0.35	−14 33.2	1.903	2.723	15.2	22.0
6 30	20 56.15	−14 46.6	1.804	2.707	12.1	21.8
7 10	20 49.55	−15 11.0	1.725	2.691	8.4	21.5
7 20	20 41.00	−15 44.2	1.671	2.675	4.3	21.2
7 30	20 31.28	−16 22.7	1.644	2.658	1.0	21.0
8 9	20 21.45	−17 2.3	1.643	2.641	5.0	21.2
8 19	20 12.58	−17 39.0	1.670	2.623	9.3	21.4
8 29	20 5.65	−18 9.9	1.720	2.604	13.2	21.6

73806 1995 SL_{21} 7 28.7 247°.42 3°.6/27.0 18

6 20	21 4.44	−26 3.6	1.728	2.568	15.6	20.4
6 30	20 59.74	−26 32.8	1.639	2.555	12.4	20.1
7 10	20 52.17	−27 4.9	1.571	2.542	8.6	19.9
7 20	20 42.29	−27 34.3	1.527	2.529	4.9	19.6
7 30	20 31.09	−27 55.0	1.509	2.516	3.8	19.6
8 9	20 19.91	−28 2.5	1.517	2.502	7.1	19.7
8 19	20 10.07	−27 55.2	1.551	2.487	11.2	19.9
8 29	20 2.67	−27 33.9	1.607	2.473	15.0	20.1

477944 2011 QQ_{94} 7 28.7 307°.66 1°.5/28.0 16

6 20	20 59.11	−21 56.0	1.745	2.588	15.3	21.7
6 30	20 55.53	−22 1.2	1.644	2.564	12.1	21.5
7 10	20 49.33	−22 11.1	1.564	2.539	8.3	21.2
7 20	20 40.96	−22 22.4	1.508	2.515	4.1	20.9
7 30	20 31.29	−22 31.0	1.477	2.490	1.7	20.6
8 9	20 21.50	−22 33.2	1.472	2.467	5.9	20.9
8 19	20 12.81	−22 26.9	1.492	2.443	10.4	21.1
8 29	20 6.30	−22 11.6	1.535	2.420	14.5	21.3

490028 2008 SS_{299} 7 28.7 283°.54 2°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.38	−22 22.0	1.799	2.641	15.0	21.9
6 30	20 55.72	−22 58.0	1.700	2.619	11.8	21.7
7 10	20 49.45	−23 41.1	1.623	2.597	8.1	21.4
7 20	20 41.03	−24 26.8	1.569	2.575	4.2	21.1
7 30	20 31.28	−25 9.2	1.542	2.553	2.7	21.0
8 9	20 21.38	−25 43.0	1.541	2.530	6.4	21.1
8 19	20 12.53	−26 4.7	1.565	2.508	10.6	21.3
8 29	20 5.83	−26 13.0	1.611	2.485	14.5	21.5

171231 2005 JC_{160} 7 28.7 217°.24 1°.8/27.6 18

6 20	20 58.95	−21 56.1	2.068	2.901	13.6	21.1
6 30	20 54.76	−22 24.6	1.985	2.899	10.6	20.9
7 10	20 48.39	−22 58.2	1.925	2.897	7.2	20.7
7 20	20 40.34	−23 33.0	1.889	2.895	3.6	20.4
7 30	20 31.41	−24 4.6	1.881	2.893	2.0	20.3
8 9	20 22.56	−24 29.4	1.900	2.890	5.3	20.5
8 19	20 14.75	−24 44.9	1.945	2.888	8.9	20.8
8 29	20 8.77	−24 50.3	2.014	2.885	12.2	21.0

146852 2002 AQ_{109} 7 28.7 217°.45 0°.5/28.3 18

6 20	20 56.90	−18 29.6	2.481	3.301	12.0	20.7
6 30	20 52.78	−18 55.5	2.390	3.297	9.4	20.5
7 10	20 46.87	−19 27.7	2.322	3.292	6.4	20.3
7 20	20 39.58	−20 3.5	2.280	3.286	3.0	20.1
7 30	20 31.54	−20 39.6	2.266	3.281	0.8	19.9
8 9	20 23.53	−21 12.8	2.281	3.275	4.2	20.1
8 19	20 16.30	−21 40.4	2.323	3.269	7.5	20.3
8 29	20 10.54	−22 0.9	2.390	3.263	10.4	20.5

213255 Kimiyayui 7 28.7 238°.52 19°.7/18.3 17

6 20	21 26.20	−55 34.9	1.204	2.013	22.8	20.4
6 30	21 21.37	−57 53.2	1.158	2.007	21.2	20.3
7 10	21 9.52	−59 50.0	1.128	1.999	20.1	20.2
7 20	20 51.34	−61 5.4	1.113	1.991	19.8	20.1
7 30	20 29.75	−61 22.4	1.115	1.983	20.4	20.1
8 9	20 9.25	−60 35.8	1.134	1.975	21.8	20.2
8 19	19 53.68	−58 53.3	1.167	1.966	23.7	20.3
8 29	19 44.93	−56 30.4	1.214	1.957	25.7	20.5

491643 2012 TD_{203} 7 28.7 328°.59 8°.9/24.2 18

6 20	20 58.27	−34 37.6	1.340	2.208	17.7	21.1
6 30	20 56.07	−35 48.9	1.263	2.189	14.5	20.8
7 10	20 50.35	−36 58.6	1.205	2.170	11.4	20.6
7 20	20 41.65	−37 56.6	1.167	2.151	9.2	20.4
7 30	20 31.20	−38 32.3	1.152	2.134	9.4	20.4
8 9	20 20.77	−38 38.8	1.159	2.118	12.0	20.5
8 19	20 12.11	−38 14.8	1.186	2.103	15.6	20.6
8 29	20 6.62	−37 24.1	1.232	2.089	19.2	20.8

379157 2009 QB_{11} 7 28.7 13°.03 5°.5/31.8 17

6 20	20 50.12	− 5 40.2	1.047	1.902	22.5	19.6
6 30	20 49.27	− 5 35.4	0.990	1.906	18.5	19.3
7 10	20 45.39	− 5 57.9	0.948	1.912	13.8	19.1
7 20	20 39.12	− 6 47.7	0.925	1.919	8.9	18.8
7 30	20 31.61	− 8 0.6	0.921	1.928	5.6	18.7
8 9	20 24.35	− 9 28.0	0.940	1.939	7.3	18.8
8 19	20 18.72	−10 59.7	0.980	1.951	11.8	19.1
8 29	20 15.78	−12 26.3	1.040	1.965	16.3	19.4

260262 2004 SK_{20} 7 28.7 332°.82 4°.5/25.9 18

6 20	20 58.33	−29 47.2	2.045	2.888	13.4	19.7
6 30	20 54.47	−30 27.5	1.965	2.881	10.6	19.5
7 10	20 48.30	−31 7.7	1.907	2.875	7.6	19.3
7 20	20 40.34	−31 42.6	1.874	2.869	5.1	19.2
7 30	20 31.43	−32 6.8	1.867	2.863	4.8	19.2
8 9	20 22.64	−32 16.9	1.886	2.858	7.1	19.3
8 19	20 14.97	−32 11.5	1.930	2.853	10.2	19.5
8 29	20 9.29	−31 51.6	1.997	2.848	13.1	19.6

233309 2006 BA_{79} 7 28.7 172°.00 0°.7/28.2 18

6 20	20 59.80	−18 18.6	2.225	3.046	13.2	21.8
6 30	20 55.21	−18 54.8	2.142	3.049	10.3	21.6
7 10	20 48.59	−19 38.7	2.082	3.051	7.0	21.4
7 20	20 40.42	−20 26.6	2.047	3.054	3.3	21.2
7 30	20 31.43	−21 14.3	2.041	3.055	1.0	21.0
8 9	20 22.50	−21 57.7	2.063	3.056	4.6	21.3
8 19	20 14.51	−22 33.7	2.112	3.057	8.2	21.5
8 29	20 8.22	−23 0.6	2.186	3.057	11.4	21.7

278919 2008 TL_{164} 7 28.7 344°.14 6°.8/23.1 18

6 20	20 57.46	−27 7.2	1.563	2.422	16.0	19.4
6 30	20 54.75	−29 29.4	1.492	2.418	12.7	19.1
7 10	20 49.11	−32 0.9	1.444	2.414	9.3	18.9
7 20	20 40.97	−34 30.3	1.420	2.411	7.0	18.8
7 30	20 31.32	−36 44.6	1.423	2.409	7.6	18.8
8 9	20 21.52	−38 33.4	1.452	2.406	10.5	19.0
8 19	20 13.03	−39 51.3	1.504	2.404	14.0	19.2
8 29	20 7.09	−40 38.4	1.576	2.403	17.1	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
389884 2012 SA_{61}			7 28.7 288°.81		2°.8/27.5 18	
	h m	° ′			°	m
6 20	21 1.99	−25 3.5	1.746	2.588	15.4	21.1
6 30	20 57.65	−25 18.3	1.661	2.579	12.1	20.9
7 10	20 50.64	−25 35.6	1.598	2.571	8.3	20.6
7 20	20 41.52	−25 50.8	1.558	2.562	4.4	20.4
7 30	20 31.26	−25 59.1	1.543	2.553	3.0	20.3
8 9	20 21.12	−25 57.0	1.556	2.545	6.4	20.5
8 19	20 12.28	−25 43.2	1.593	2.536	10.5	20.7
8 29	20 5.74	−25 18.5	1.653	2.528	14.2	20.9
443061 2013 FB_{16}			7 28.7 173°.13		0°.5/28.3 18	
6 20	20 56.17	−18 21.3	2.393	3.217	12.3	21.4
6 30	20 52.24	−18 49.5	2.309	3.218	9.6	21.2
7 10	20 46.52	−19 24.3	2.248	3.218	6.5	21.0
7 20	20 39.42	−20 2.9	2.212	3.219	3.0	20.8
7 30	20 31.60	−20 41.8	2.204	3.219	0.8	20.6
8 9	20 23.85	−21 17.5	2.225	3.219	4.2	20.9
8 19	20 16.92	−21 47.4	2.272	3.219	7.6	21.1
8 29	20 11.49	−22 9.8	2.345	3.219	10.5	21.3
425711 2011 BZ_{22}			7 28.7 31°.14		3°.2/28.9 16	
6 20	21 32.90	−34 1.2	1.010	1.849	24.3	19.0
6 30	21 21.62	−32 5.3	0.971	1.882	19.1	18.8
7 10	21 6.12	−29 53.5	0.950	1.918	13.2	18.6
7 20	20 48.23	−27 23.8	0.952	1.955	6.8	18.4
7 30	20 30.42	−24 41.3	0.981	1.993	3.3	18.3
8 9	20 14.99	−21 56.9	1.038	2.033	7.8	18.7
8 19	20 3.35	−19 21.9	1.121	2.073	12.9	19.1
8 29	19 56.05	−17 3.4	1.226	2.113	17.2	19.5
391595 2007 UR_{2}			7 28.7 269°.28		15°.4/22.7 16	
6 20	21 6.69	−35 16.9	0.651	1.557	26.4	20.7
6 30	21 6.04	−37 38.2	0.602	1.549	22.1	20.4
7 10	20 59.25	−40 2.7	0.567	1.541	18.0	20.1
7 20	20 46.67	−42 7.1	0.547	1.532	15.5	20.0
7 30	20 30.46	−43 24.9	0.542	1.524	16.3	20.0
8 9	20 14.41	−43 40.6	0.553	1.515	20.0	20.1
8 19	20 2.21	−42 56.0	0.577	1.507	24.8	20.3
8 29	19 56.19	−41 25.0	0.613	1.499	29.4	20.6
211079 2002 EL_{8}			7 28.7 161°.90		1°.2/29.3 17	
6 20	20 59.85	−13 41.4	1.478	2.313	18.0	20.6
6 30	20 56.21	−13 58.6	1.402	2.314	14.3	20.4
7 10	20 49.79	−14 30.3	1.346	2.315	9.9	20.1
7 20	20 41.17	−15 13.8	1.312	2.316	5.1	19.8
7 30	20 31.35	−16 4.1	1.302	2.317	1.3	19.6
8 9	20 21.63	−16 55.4	1.319	2.317	5.7	19.9
8 19	20 13.29	−17 42.5	1.359	2.318	10.5	20.2
8 29	20 7.36	−18 21.4	1.423	2.318	14.8	20.4
14169 1998 UZ_{24}			7 28.7 298°.28		3°.5/26.6 18	
6 20	20 57.90	−24 44.6	1.808	2.656	14.7	18.1
6 30	20 54.55	−25 33.4	1.717	2.638	11.6	17.9
7 10	20 48.65	−26 27.9	1.646	2.620	8.0	17.6
7 20	20 40.65	−27 22.7	1.600	2.603	4.6	17.4
7 30	20 31.42	−28 11.4	1.579	2.586	3.8	17.3
8 9	20 22.10	−28 48.3	1.585	2.568	7.0	17.5
8 19	20 13.87	−29 10.3	1.615	2.551	10.9	17.7
8 29	20 7.78	−29 16.4	1.668	2.535	14.5	17.8
314483 2005 WJ_{131}			7 28.7 195°.87		0°.8/28.1 18	
6 20	20 56.80	−19 46.5	2.908	3.723	10.6	22.9
6 30	20 52.41	−20 11.4	2.817	3.721	8.2	22.8
7 10	20 46.47	−20 41.0	2.749	3.718	5.5	22.6
7 20	20 39.36	−21 12.6	2.709	3.715	2.6	22.4
7 30	20 31.63	−21 43.4	2.697	3.711	1.0	22.3
8 9	20 23.93	−22 10.8	2.714	3.707	3.8	22.5
8 19	20 16.91	−22 32.9	2.760	3.702	6.6	22.6
8 29	20 11.14	−22 48.4	2.832	3.697	9.2	22.8
40141 1998 QL_{70}			7 28.7 262°.58		9°.0/ 5.4 18	
6 20	20 53.68	+11 7.9	2.554	3.237	15.0	19.6
6 30	20 50.23	+11 49.6	2.459	3.229	13.5	19.5
7 10	20 45.14	+12 12.4	2.381	3.222	11.8	19.3
7 20	20 38.79	+12 13.6	2.323	3.214	10.3	19.2
7 30	20 31.72	+11 51.7	2.289	3.206	9.2	19.1
8 9	20 24.61	+11 7.6	2.279	3.198	9.1	19.1
8 19	20 18.16	+10 4.2	2.293	3.190	9.9	19.2
8 29	20 13.00	+ 8 46.5	2.331	3.182	11.5	19.3
262000 2006 QM_{50}			7 28.7 322°.84		1°.6/27.9 17	
6 20	20 54.22	−18 43.8	1.201	2.072	19.1	19.8
6 30	20 52.72	−19 20.0	1.119	2.053	15.2	19.4
7 10	20 48.02	−20 10.7	1.054	2.035	10.4	19.1
7 20	20 40.57	−21 11.2	1.009	2.018	5.0	18.8
7 30	20 31.42	−22 14.0	0.987	2.001	2.0	18.5
8 9	20 22.13	−23 10.4	0.988	1.985	7.4	18.8
8 19	20 14.30	−23 54.0	1.011	1.971	13.0	19.1
8 29	20 9.35	−24 21.2	1.053	1.957	18.0	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
397765 2008 GY_{49}			7 28.7 0°.90		9°.3/ 4.6 17	
	h m	° ′			°	m
6 20	20 53.06	+ 7 33.9	2.067	2.795	17.0	20.9
6 30	20 50.07	+ 8 20.4	1.985	2.794	15.0	20.8
7 10	20 45.19	+ 8 46.0	1.920	2.794	12.9	20.6
7 20	20 38.85	+ 8 47.7	1.874	2.794	10.8	20.5
7 30	20 31.71	+ 8 24.2	1.851	2.794	9.5	20.4
8 9	20 24.61	+ 7 37.0	1.852	2.795	9.4	20.4
8 19	20 18.34	+ 6 30.3	1.877	2.796	10.6	20.5
8 29	20 13.64	+ 5 10.1	1.925	2.798	12.6	20.6
483617 2004 TJ_{58}			7 28.7 268°.94		5°.0/ 1.5 17	
6 20	20 54.30	− 1 29.2	2.588	3.347	13.2	22.7
6 30	20 50.71	− 1 17.5	2.479	3.329	11.1	22.5
7 10	20 45.49	− 1 19.8	2.390	3.311	8.8	22.3
7 20	20 38.97	− 1 36.9	2.326	3.292	6.5	22.1
7 30	20 31.69	− 2 8.4	2.287	3.273	5.0	22.0
8 9	20 24.32	− 2 52.2	2.276	3.254	5.6	22.0
8 19	20 17.55	− 3 45.2	2.292	3.235	7.7	22.1
8 29	20 12.04	− 4 43.5	2.333	3.216	10.3	22.2
284427 2007 CD_{35}			7 28.7 206°.91		1°.0/28.1 18	
6 20	21 1.30	−19 32.1	1.938	2.767	14.6	21.6
6 30	20 56.77	−19 58.6	1.852	2.763	11.5	21.3
7 10	20 49.89	−20 32.5	1.787	2.758	7.8	21.1
7 20	20 41.14	−21 10.0	1.747	2.753	3.7	20.9
7 30	20 31.37	−21 46.6	1.734	2.748	1.3	20.7
8 9	20 21.65	−22 17.9	1.748	2.742	5.3	20.9
8 19	20 13.01	−22 41.1	1.789	2.736	9.3	21.2
8 29	20 6.36	−22 54.7	1.854	2.729	12.9	21.4
328520 2009 QK_{24}			7 28.7 2°.78		6°.2/31.8 17	
6 20	20 49.57	− 6 0.2	1.042	1.899	22.4	19.6
6 30	20 48.93	− 5 33.6	0.980	1.897	18.6	19.3
7 10	20 45.26	− 5 32.0	0.933	1.896	14.1	19.0
7 20	20 39.12	− 5 57.1	0.903	1.897	9.4	18.8
7 30	20 31.67	− 6 46.8	0.894	1.899	6.3	18.6
8 9	20 24.38	− 7 54.6	0.906	1.904	7.9	18.7
8 19	20 18.67	− 9 11.4	0.939	1.910	12.2	19.0
8 29	20 15.70	−10 28.0	0.991	1.917	16.8	19.3
480003 2014 KY_{85}			7 28.7 30°.94		0°.2/28.9 17	
6 20	20 53.90	−12 21.7	1.809	2.639	15.5	20.0
6 30	20 50.99	−13 33.9	1.740	2.650	12.1	19.8
7 10	20 45.94	−15 2.0	1.692	2.661	8.3	19.6
7 20	20 39.23	−16 41.3	1.668	2.674	4.0	19.4
7 30	20 31.67	−18 24.9	1.671	2.686	0.5	19.2
8 9	20 24.22	−20 5.4	1.702	2.700	4.9	19.5
8 19	20 17.81	−21 36.4	1.760	2.714	8.9	19.8
8 29	20 13.24	−22 53.7	1.842	2.728	12.4	20.0
16951 Carolus Quartus			7 28.7 32°.98		4°.5/25.5 18	
6 20	20 57.76	−27 46.3	1.999	2.843	13.6	17.3
6 30	20 54.05	−28 53.5	1.928	2.846	10.7	17.1
7 10	20 48.04	−30 3.0	1.880	2.849	7.6	16.9
7 20	20 40.25	−31 8.9	1.856	2.853	5.0	16.7
7 30	20 31.52	−32 4.7	1.859	2.856	4.8	16.7
8 9	20 22.90	−32 45.6	1.889	2.860	7.2	16.9
8 19	20 15.41	−33 9.4	1.944	2.864	10.3	17.1
8 29	20 9.88	−33 16.4	2.021	2.868	13.1	17.3
438782 2008 VO_{64}			7 28.7 287°.29		1°.7/29.9 18	
6 20	20 56.43	−10 17.8	1.850	2.666	15.7	21.2
6 30	20 53.32	−10 54.7	1.739	2.638	12.7	21.0
7 10	20 47.83	−11 49.4	1.647	2.610	9.1	20.7
7 20	20 40.32	−13 0.5	1.580	2.581	5.0	20.4
7 30	20 31.49	−14 23.8	1.539	2.552	1.7	20.1
8 9	20 22.34	−15 53.1	1.525	2.523	5.2	20.3
8 19	20 13.96	−17 21.7	1.537	2.494	9.7	20.5
8 29	20 7.44	−18 43.3	1.574	2.464	13.9	20.6
41471 2000 OC_{51}			7 28.7 293°.52		4°.0/30.4 18	
6 20	20 58.18	−10 11.9	1.388	2.221	19.1	18.4
6 30	20 55.33	− 9 48.1	1.294	2.201	15.6	18.1
7 10	20 49.55	− 9 39.4	1.218	2.181	11.5	17.8
7 20	20 41.24	− 9 46.7	1.163	2.160	7.0	17.5
7 30	20 31.36	−10 8.5	1.131	2.140	4.0	17.3
8 9	20 21.25	−10 41.4	1.123	2.120	6.8	17.4
8 19	20 12.35	−11 20.3	1.138	2.100	11.7	17.6
8 29	20 5.94	−12 0.0	1.175	2.081	16.4	17.8
138015 2000 CT_{109}			7 28.7 150°.17		4°.3/31.4 18	
6 20	21 0.95	− 5 30.1	2.078	2.858	15.4	20.5
6 30	20 56.08	− 5 17.2	1.998	2.868	12.6	20.3
7 10	20 49.17	− 5 18.8	1.939	2.877	9.5	20.2
7 20	20 40.72	− 5 34.7	1.903	2.886	6.3	20.0
7 30	20 31.48	− 6 3.5	1.894	2.894	4.4	19.9
8 9	20 22.36	− 6 42.2	1.913	2.901	5.5	20.0
8 19	20 14.23	− 7 26.9	1.959	2.907	8.5	20.2
8 29	20 7.85	− 8 13.6	2.029	2.913	11.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154509 2003 FT_{54}			7 28.7 115°.52		2°.9/26.8 18	
	h m	° ′			°	m
6 20	21 1.97	−23 16.3	1.924	2.759	14.5	20.3
6 30	20 57.20	−24 16.0	1.860	2.775	11.2	20.2
7 10	20 50.08	−25 20.8	1.818	2.790	7.6	20.0
7 20	20 41.18	−26 24.9	1.802	2.805	4.1	19.8
7 30	20 31.42	−27 22.2	1.812	2.819	3.2	19.8
8 9	20 21.87	−28 7.6	1.850	2.833	6.2	20.0
8 19	20 13.56	−28 38.7	1.914	2.847	9.7	20.2
8 29	20 7.31	−28 55.2	2.002	2.860	12.8	20.4
515102 2010 VU_{163}			7 28.7 267°.70		10°.0/18.5 18	
6 20	21 4.34	−48 10.3	2.446	3.248	12.7	20.9
6 30	20 59.77	−49 58.1	2.383	3.240	11.3	20.7
7 10	20 52.31	−51 36.3	2.343	3.232	10.3	20.7
7 20	20 42.46	−52 57.0	2.326	3.224	10.0	20.6
7 30	20 31.20	−53 53.2	2.334	3.216	10.5	20.6
8 9	20 19.89	−54 21.3	2.364	3.207	11.7	20.7
8 19	20 9.88	−54 21.2	2.415	3.199	13.2	20.8
8 29	20 2.34	−53 56.1	2.485	3.191	14.7	20.9
211784 2004 CE_{19}			7 28.7 249°.04		0°.4/29.0 18	
6 20	20 57.22	−15 28.4	2.072	2.895	14.0	21.6
6 30	20 53.42	−15 49.9	1.983	2.889	11.0	21.4
7 10	20 47.54	−16 21.0	1.914	2.882	7.6	21.2
7 20	20 40.02	−16 59.4	1.871	2.876	3.7	20.9
7 30	20 31.60	−17 41.3	1.854	2.869	0.6	20.6
8 9	20 23.19	−18 22.7	1.865	2.863	4.5	20.9
8 19	20 15.69	−19 0.0	1.903	2.856	8.4	21.2
8 29	20 9.91	−19 30.7	1.965	2.849	11.9	21.4
483646 2004 XX_{73}			7 28.7 236°.86		2°.5/31.1 18	
6 20	20 54.11	− 7 2.5	2.887	3.667	11.5	21.6
6 30	20 50.37	− 7 25.8	2.783	3.656	9.4	21.5
7 10	20 45.15	− 8 0.8	2.700	3.645	6.9	21.3
7 20	20 38.80	− 8 46.6	2.643	3.633	4.3	21.1
7 30	20 31.79	− 9 41.2	2.615	3.621	2.5	21.0
8 9	20 24.73	−10 41.5	2.615	3.609	3.8	21.0
8 19	20 18.23	−11 43.9	2.645	3.596	6.4	21.2
8 29	20 12.86	−12 45.3	2.701	3.583	9.0	21.3
192563 1998 WZ_{6}			7 28.7 73°.18		30°.1/30.2 18	
6 20	22 24.83	−54 7.7	0.490	1.342	40.0	18.0
6 30	22 14.18	−60 54.4	0.531	1.403	35.3	18.1
7 10	21 48.61	−65 57.9	0.583	1.462	32.2	18.3
7 20	21 9.62	−68 51.2	0.646	1.518	30.6	18.6
7 30	20 27.69	−69 30.0	0.721	1.572	30.1	18.9
8 9	19 55.54	−68 24.7	0.806	1.623	30.4	19.2
8 19	19 37.66	−66 18.5	0.900	1.672	31.0	19.5
8 29	19 32.07	−63 43.4	1.002	1.717	31.5	19.8
54812 2001 MQ_{26}			7 28.7 354°.46		5°.2/31.8 18	
6 20	20 53.28	− 5 20.0	1.599	2.414	17.8	19.0
6 30	20 50.82	− 5 4.0	1.519	2.410	14.7	18.7
7 10	20 46.01	− 5 6.6	1.458	2.407	11.2	18.5
7 20	20 39.37	− 5 28.3	1.418	2.404	7.6	18.3
7 30	20 31.70	− 6 7.7	1.402	2.403	5.2	18.2
8 9	20 24.09	− 7 0.8	1.410	2.402	6.5	18.2
8 19	20 17.58	− 8 1.9	1.442	2.402	9.9	18.4
8 29	20 13.07	− 9 5.0	1.497	2.402	13.6	18.7
257553 1998 SF_{69}			7 28.7 311°.56		1°.8/29.5 17	
6 20	20 57.54	−14 46.6	2.016	2.838	14.3	20.9
6 30	20 53.90	−14 24.1	1.905	2.809	11.5	20.6
7 10	20 48.04	−14 8.6	1.814	2.779	8.2	20.4
7 20	20 40.36	−13 59.3	1.748	2.750	4.4	20.1
7 30	20 31.55	−13 55.1	1.708	2.721	1.8	19.9
8 9	20 22.58	−13 53.8	1.694	2.692	4.9	20.0
8 19	20 14.43	−13 53.6	1.707	2.663	9.0	20.2
8 29	20 8.03	−13 52.8	1.744	2.635	12.7	20.4
169704 2002 LE_{36}			7 28.7 10°.34		7°.8/ 1.1 16	
6 20	20 50.66	− 5 38.6	1.075	1.927	22.2	18.5
6 30	20 49.56	− 4 27.0	1.021	1.932	18.5	18.2
7 10	20 45.50	− 3 37.0	0.983	1.939	14.4	18.0
7 20	20 39.18	− 3 12.0	0.963	1.949	10.3	17.8
7 30	20 31.75	− 3 12.8	0.963	1.961	7.9	17.7
8 9	20 24.64	− 3 36.0	0.984	1.974	8.9	17.8
8 19	20 19.12	− 4 15.4	1.026	1.990	12.4	18.1
8 29	20 16.21	− 5 3.3	1.087	2.008	16.1	18.4
17834 1998 HL_{43}			7 28.7 219°.26		4°.3/31.9 18 R	
6 20	20 55.39	− 4 16.2	2.433	3.208	13.5	18.1
6 30	20 51.59	− 4 6.5	2.340	3.204	11.2	18.0
7 10	20 46.08	− 4 10.3	2.267	3.200	8.6	17.8
7 20	20 39.27	− 4 27.5	2.218	3.196	6.0	17.6
7 30	20 31.74	− 4 57.1	2.196	3.191	4.3	17.5
8 9	20 24.22	− 5 36.9	2.201	3.187	5.1	17.6
8 19	20 17.41	− 6 23.3	2.233	3.182	7.6	17.7
8 29	20 11.98	− 7 12.7	2.291	3.177	10.3	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
283359 2000 AF_{86}			7 28.7 233°.08		1°.9/29.6 18	
	h m	° ′			°	m
6 20	21 1.50	−14 26.4	2.105	2.915	14.2	20.4
6 30	20 56.65	−14 1.5	2.012	2.909	11.4	20.2
7 10	20 49.66	−13 43.6	1.941	2.902	8.0	20.0
7 20	20 41.02	−13 31.7	1.895	2.895	4.3	19.8
7 30	20 31.48	−13 24.7	1.876	2.888	1.9	19.6
8 9	20 22.00	−13 20.7	1.885	2.881	4.7	19.8
8 19	20 13.50	−13 18.1	1.921	2.873	8.4	20.0
8 29	20 6.77	−13 15.3	1.982	2.865	11.8	20.2
295846 2008 VY_{39}			7 28.7 311°.81		6°.9/24.6 18	
6 20	20 59.81	−32 4.5	1.630	2.484	15.7	19.7
6 30	20 56.53	−33 17.5	1.552	2.472	12.7	19.5
7 10	20 50.26	−34 31.1	1.495	2.460	9.6	19.3
7 20	20 41.53	−35 37.0	1.461	2.448	7.3	19.1
7 30	20 31.40	−36 26.3	1.451	2.437	7.4	19.1
8 9	20 21.29	−36 53.2	1.465	2.425	9.9	19.2
8 19	20 12.61	−36 55.6	1.503	2.415	13.2	19.4
8 29	20 6.53	−36 35.3	1.560	2.404	16.5	19.6
322383 2011 QB_{10}			7 28.7 233°.97		0°.2/28.9 18	
6 20	20 58.60	−17 0.1	2.133	2.955	13.7	21.0
6 30	20 54.41	−17 9.1	2.044	2.950	10.8	20.8
7 10	20 48.16	−17 25.5	1.977	2.945	7.4	20.6
7 20	20 40.32	−17 46.9	1.935	2.940	3.6	20.3
7 30	20 31.60	−18 10.4	1.919	2.934	0.5	20.1
8 9	20 22.94	−18 32.7	1.932	2.929	4.5	20.4
8 19	20 15.21	−18 51.3	1.971	2.923	8.2	20.6
8 29	20 9.19	−19 4.5	2.035	2.917	11.6	20.8
510481 2011 WL_{116}			7 28.7 95°.53		2°.1/29.9 18	
6 20	20 58.25	−12 49.1	2.213	3.022	13.7	21.0
6 30	20 53.93	−12 31.9	2.129	3.024	10.9	20.8
7 10	20 47.71	−12 23.0	2.066	3.025	7.7	20.6
7 20	20 40.05	−12 21.7	2.028	3.027	4.3	20.4
7 30	20 31.65	−12 26.4	2.018	3.029	2.1	20.3
8 9	20 23.36	−12 35.1	2.035	3.030	4.4	20.4
8 19	20 15.99	−12 45.5	2.079	3.032	7.7	20.6
8 29	20 10.22	−12 55.7	2.147	3.034	10.9	20.9
268245 2005 LR_{41}			7 28.7 335°.20		1°.8/29.3 17	
6 20	20 52.56	−16 31.3	1.081	1.957	20.4	19.5
6 30	20 51.65	−16 1.0	0.999	1.935	16.4	19.2
7 10	20 47.43	−15 40.6	0.933	1.913	11.6	18.9
7 20	20 40.37	−15 29.7	0.886	1.893	6.0	18.5
7 30	20 31.57	−15 25.8	0.860	1.875	1.8	18.2
8 9	20 22.66	−15 25.7	0.856	1.858	7.0	18.4
8 19	20 15.29	−15 25.8	0.872	1.843	12.9	18.7
8 29	20 10.92	−15 23.3	0.906	1.830	18.3	18.9
338566 2003 SW_{81}			7 28.7 300°.78		2°.5/27.4 18	
6 20	20 58.40	−22 30.1	1.701	2.548	15.5	20.9
6 30	20 55.21	−23 4.6	1.599	2.520	12.3	20.7
7 10	20 49.32	−23 46.6	1.517	2.492	8.5	20.4
7 20	20 41.12	−24 31.5	1.459	2.465	4.4	20.1
7 30	20 31.47	−25 13.4	1.426	2.437	2.9	19.9
8 9	20 21.58	−25 46.5	1.419	2.409	6.7	20.1
8 19	20 12.74	−26 7.0	1.436	2.382	11.2	20.3
8 29	20 6.14	−26 13.3	1.476	2.354	15.3	20.4
217280 2004 DF_{28}			7 28.7 116°.21		0°.9/29.2 17	
6 20	21 2.53	−14 56.3	1.755	2.577	16.2	21.3
6 30	20 57.69	−15 5.8	1.687	2.591	12.7	21.1
7 10	20 50.44	−15 25.6	1.639	2.606	8.8	20.8
7 20	20 41.39	−15 53.1	1.615	2.619	4.4	20.6
7 30	20 31.47	−16 24.4	1.618	2.632	1.0	20.4
8 9	20 21.81	−16 55.5	1.648	2.645	5.0	20.7
8 19	20 13.43	−17 22.9	1.704	2.657	9.1	21.0
8 29	20 7.19	−17 44.6	1.783	2.669	12.8	21.2
68347 2001 KB_{67}			7 28.7 173°.35		38°.4/31.8 18	
6 20	21 57.07	+19 8.5	0.542	1.286	49.0	20.9
6 30	21 46.72	+24 39.6	0.508	1.306	45.5	20.7
7 10	21 28.42	+29 41.4	0.480	1.319	42.2	20.6
7 20	21 1.62	+33 37.9	0.459	1.327	39.6	20.4
7 30	20 28.32	+35 46.3	0.448	1.328	38.4	20.3
8 9	19 53.76	+35 43.3	0.448	1.322	39.0	20.3
8 19	19 23.94	+33 39.7	0.457	1.310	41.2	20.4
8 29	19 2.66	+30 13.8	0.474	1.292	44.5	20.5
510629 2012 TY_{174}			7 28.7 271°.96		2°.1/27.6 18	
6 20	21 1.16	−22 56.1	1.941	2.775	14.3	22.1
6 30	20 56.90	−23 17.4	1.842	2.756	11.3	21.8
7 10	20 50.16	−23 43.4	1.764	2.736	7.8	21.6
7 20	20 41.40	−24 10.2	1.711	2.716	3.9	21.3
7 30	20 31.45	−24 33.0	1.685	2.696	2.3	21.1
8 9	20 21.42	−24 47.8	1.685	2.676	5.9	21.3
8 19	20 12.42	−24 52.3	1.712	2.655	9.9	21.5
8 29	20 5.45	−24 46.0	1.762	2.634	13.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
511475 2014 KE_{101}			7 28.7	38°.20	6°.9/23.4 17	
	h m	° ′			°	m
6 20	20 58.17	−32 40.0	1.879	2.728	14.2	20.6
6 30	20 54.68	−34 23.3	1.824	2.739	11.4	20.4
7 10	20 48.65	−36 5.6	1.791	2.751	8.7	20.3
7 20	20 40.63	−37 38.4	1.783	2.763	7.0	20.2
7 30	20 31.58	−38 53.7	1.801	2.775	7.3	20.2
8 9	20 22.70	−39 46.4	1.844	2.788	9.4	20.4
8 19	20 15.10	−40 14.7	1.911	2.801	12.0	20.6
8 29	20 9.72	−40 20.4	1.999	2.814	14.4	20.8
430042 2013 RN_{83}			7 28.7	324°.04	0°.7/28.5 17	
6 20	21 0.15	−20 19.8	1.337	2.194	18.4	20.9
6 30	20 56.95	−20 13.1	1.257	2.183	14.6	20.6
7 10	20 50.61	−20 13.1	1.195	2.173	10.0	20.3
7 20	20 41.73	−20 16.5	1.155	2.163	4.8	20.0
7 30	20 31.42	−20 19.0	1.139	2.154	1.1	19.7
8 9	20 21.19	−20 16.8	1.147	2.145	6.5	20.0
8 19	20 12.51	−20 7.8	1.178	2.137	11.7	20.3
8 29	20 6.57	−19 51.4	1.230	2.129	16.3	20.6
233458 2006 JW_{55}			7 28.7	147°.20	1°.2/27.9 18	
6 20	20 58.17	−18 18.3	1.965	2.796	14.3	20.4
6 30	20 54.29	−19 11.4	1.886	2.799	11.2	20.2
7 10	20 48.19	−20 14.1	1.830	2.802	7.5	20.0
7 20	20 40.37	−21 21.9	1.799	2.805	3.6	19.8
7 30	20 31.62	−22 29.1	1.794	2.808	1.5	19.6
8 9	20 22.94	−23 30.4	1.818	2.810	5.2	19.9
8 19	20 15.29	−24 21.4	1.868	2.813	9.1	20.1
8 29	20 9.50	−25 0.2	1.942	2.815	12.5	20.3
113534 2002 TN_{21}			7 28.7	161°.54	0°.2/28.9 18	
6 20	20 58.51	−16 47.5	2.055	2.879	14.0	20.3
6 30	20 54.37	−16 59.3	1.973	2.880	11.0	20.1
7 10	20 48.14	−17 19.0	1.912	2.881	7.5	19.8
7 20	20 40.31	−17 44.1	1.876	2.882	3.6	19.6
7 30	20 31.65	−18 11.3	1.868	2.883	0.5	19.4
8 9	20 23.09	−18 37.3	1.887	2.883	4.5	19.7
8 19	20 15.53	−18 59.1	1.932	2.884	8.3	19.9
8 29	20 9.73	−19 15.1	2.002	2.885	11.7	20.1
391974 2008 XR_{19}			7 28.7	300°.44	6°.0/24.4 18	
6 20	20 58.20	−27 9.6	1.664	2.518	15.5	20.7
6 30	20 55.45	−28 47.4	1.563	2.486	12.4	20.4
7 10	20 49.78	−30 35.3	1.483	2.455	9.0	20.1
7 20	20 41.50	−32 25.1	1.428	2.423	6.3	19.9
7 30	20 31.43	−34 6.4	1.398	2.391	6.6	19.8
8 9	20 20.89	−35 29.3	1.393	2.359	9.7	19.9
8 19	20 11.36	−36 27.7	1.412	2.328	13.7	20.1
8 29	20 4.25	−37 0.0	1.452	2.296	17.5	20.2
132651 2002 LD_{52}			7 28.7	58°.55	2°.0/29.9 18	
6 20	20 57.17	−11 29.1	1.716	2.540	16.4	20.1
6 30	20 53.62	−11 43.4	1.645	2.549	13.1	19.9
7 10	20 47.77	−12 11.7	1.594	2.558	9.2	19.7
7 20	20 40.17	−12 51.9	1.566	2.567	5.0	19.4
7 30	20 31.68	−13 40.3	1.564	2.577	2.0	19.3
8 9	20 23.35	−14 31.8	1.588	2.587	5.0	19.5
8 19	20 16.20	−15 21.7	1.638	2.596	9.0	19.8
8 29	20 11.03	−16 6.2	1.711	2.606	12.7	20.0
417922 2007 RF_{220}			7 28.7	63°.23	5°.9/31.8 17	
6 20	20 58.92	− 4 58.4	1.311	2.130	20.8	21.1
6 30	20 55.58	− 4 36.7	1.248	2.140	17.1	20.8
7 10	20 49.40	− 4 36.9	1.202	2.152	13.0	20.6
7 20	20 41.03	− 4 59.9	1.176	2.163	8.7	20.4
7 30	20 31.55	− 5 43.5	1.173	2.175	6.0	20.3
8 9	20 22.33	− 6 42.2	1.194	2.186	7.4	20.4
8 19	20 14.63	− 7 48.9	1.238	2.198	11.2	20.7
8 29	20 9.43	− 8 56.5	1.304	2.210	15.1	20.9
391377 2006 WM_{23}			7 28.7	276°.81	3°.0/26.5 18	
6 20	20 57.05	−23 59.2	2.144	2.982	13.0	20.7
6 30	20 53.40	−24 58.7	2.057	2.974	10.2	20.5
7 10	20 47.62	−26 3.7	1.994	2.966	7.0	20.3
7 20	20 40.13	−27 9.3	1.955	2.958	4.0	20.1
7 30	20 31.67	−28 9.7	1.944	2.950	3.3	20.0
8 9	20 23.20	−28 59.8	1.960	2.941	6.1	20.2
8 19	20 15.64	−29 36.6	2.002	2.933	9.4	20.4
8 29	20 9.84	−29 58.9	2.068	2.925	12.5	20.6
308326 2005 NJ_{17}			7 28.7	63°.40	0°.4/28.9 17	
6 20	21 1.87	−16 54.9	1.417	2.260	18.3	20.5
6 30	20 57.69	−16 58.1	1.358	2.275	14.3	20.3
7 10	20 50.69	−17 11.5	1.317	2.290	9.8	20.0
7 20	20 41.58	−17 31.9	1.299	2.306	4.7	19.8
7 30	20 31.50	−17 54.8	1.306	2.321	0.7	19.5
8 9	20 21.81	−18 15.9	1.338	2.337	5.7	19.9
8 19	20 13.72	−18 32.0	1.395	2.353	10.4	20.2
8 29	20 8.16	−18 41.4	1.474	2.368	14.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110543 2001 TT_{96}			7 28.7	12°.87	2°.0/27.7 18	
	h m	° ′			°	m
6 20	20 58.25	−22 32.4	1.795	2.639	14.9	18.8
6 30	20 54.54	−22 54.2	1.721	2.641	11.7	18.6
7 10	20 48.43	−23 20.7	1.668	2.643	7.9	18.4
7 20	20 40.50	−23 47.9	1.639	2.645	3.9	18.1
7 30	20 31.64	−24 11.1	1.636	2.648	2.2	18.0
8 9	20 22.97	−24 26.7	1.659	2.651	5.7	18.3
8 19	20 15.50	−24 32.4	1.708	2.655	9.6	18.5
8 29	20 10.11	−24 28.0	1.779	2.659	13.1	18.7
153238 2001 AG_{27}			7 28.7	236°.57	2°.8/26.9 18	
6 20	21 1.32	−27 52.3	2.716	3.538	11.1	20.7
6 30	20 56.19	−28 11.0	2.620	3.526	8.7	20.5
7 10	20 49.20	−28 29.5	2.548	3.514	6.1	20.3
7 20	20 40.78	−28 44.3	2.502	3.501	3.6	20.2
7 30	20 31.61	−28 52.3	2.485	3.488	3.0	20.1
8 9	20 22.49	−28 51.0	2.497	3.475	5.2	20.2
8 19	20 14.21	−28 39.6	2.536	3.462	7.9	20.4
8 29	20 7.45	−28 18.6	2.600	3.448	10.5	20.5
254463 2005 CZ_{62}			7 28.8	38°.21	12°.0/27.7 17	
6 20	21 25.55	−46 3.2	1.236	2.062	21.4	19.0
6 30	21 17.42	−46 16.8	1.185	2.072	18.3	18.8
7 10	21 4.40	−46 9.6	1.152	2.083	15.1	18.6
7 20	20 47.99	−45 29.4	1.138	2.095	12.7	18.5
7 30	20 30.65	−44 8.8	1.147	2.108	12.0	18.5
8 9	20 15.03	−42 10.2	1.179	2.121	13.6	18.7
8 19	20 3.04	−39 44.0	1.233	2.135	16.3	18.9
8 29	19 55.58	−37 3.5	1.309	2.149	19.3	19.1
341633 2007 VB_{16}			7 28.8	49°.76	2°.5/30.1 17	
6 20	20 57.76	−11 37.2	1.742	2.564	16.3	20.6
6 30	20 54.01	−11 30.8	1.672	2.574	13.0	20.4
7 10	20 48.00	−11 36.8	1.621	2.583	9.2	20.2
7 20	20 40.27	−11 53.9	1.594	2.593	5.2	20.0
7 30	20 31.70	−12 19.6	1.592	2.603	2.5	19.9
8 9	20 23.33	−12 50.1	1.616	2.614	5.1	20.1
8 19	20 16.12	−13 21.6	1.666	2.624	8.9	20.3
8 29	20 10.89	−13 50.9	1.740	2.635	12.5	20.6
275339 2010 WA_{73}			7 28.8	160°.96	3°.9/31.4 18	
6 20	20 55.94	− 6 4.4	2.526	3.306	12.9	20.6
6 30	20 51.92	− 5 40.9	2.437	3.307	10.7	20.4
7 10	20 46.26	− 5 28.3	2.370	3.307	8.1	20.2
7 20	20 39.37	− 5 26.9	2.328	3.308	5.5	20.1
7 30	20 31.85	− 5 36.2	2.312	3.309	4.0	20.0
8 9	20 24.37	− 5 54.2	2.324	3.310	4.9	20.0
8 19	20 17.63	− 6 18.7	2.363	3.310	7.3	20.2
8 29	20 12.23	− 6 46.7	2.427	3.311	9.9	20.4
38936 2000 SD_{258}			7 28.8	230°.83	1°.2/29.5 18	
6 20	20 59.18	−13 54.3	1.983	2.800	14.7	20.3
6 30	20 55.08	−14 3.2	1.892	2.793	11.7	20.1
7 10	20 48.76	−14 22.5	1.821	2.786	8.2	19.9
7 20	20 40.70	−14 50.3	1.775	2.778	4.2	19.6
7 30	20 31.66	−15 23.7	1.756	2.770	1.3	19.4
8 9	20 22.62	−15 58.7	1.764	2.761	4.7	19.6
8 19	20 14.53	−16 32.0	1.798	2.752	8.7	19.9
8 29	20 8.27	−17 0.6	1.857	2.743	12.3	20.1
445781 2011 YR_{45}			7 28.8	252°.46	2°.7/26.8 18	
6 20	20 57.37	−24 37.5	2.366	3.199	12.1	21.5
6 30	20 53.39	−25 20.1	2.280	3.194	9.5	21.3
7 10	20 47.46	−26 6.1	2.218	3.188	6.5	21.1
7 20	20 40.02	−26 51.5	2.181	3.183	3.6	21.0
7 30	20 31.77	−27 31.7	2.171	3.178	2.9	20.9
8 9	20 23.54	−28 3.2	2.190	3.172	5.4	21.1
8 19	20 16.19	−28 23.6	2.235	3.167	8.5	21.2
8 29	20 10.45	−28 32.4	2.304	3.161	11.4	21.4
272491 2005 UN_{140}			7 28.8	350°.80	1°.1/29.2 13	C
6 20	20 52.59	−15 6.9	1.156	2.025	19.8	20.8
6 30	20 51.28	−15 11.4	1.085	2.017	15.8	20.6
7 10	20 46.92	−15 31.1	1.031	2.010	11.0	20.3
7 20	20 40.04	−16 3.7	0.997	2.004	5.5	20.0
7 30	20 31.76	−16 44.1	0.985	2.000	1.2	19.6
8 9	20 23.57	−17 26.0	0.995	1.997	6.4	20.0
8 19	20 16.92	−18 3.5	1.027	1.995	11.9	20.3
8 29	20 13.01	−18 32.3	1.079	1.995	16.7	20.6
84083 2002 QC_{18}			7 28.8	209°.46	0°.7/28.4 18	
6 20	21 2.16	−18 50.2	1.858	2.686	15.2	20.8
6 30	20 57.61	−19 12.3	1.771	2.681	11.9	20.6
7 10	20 50.59	−19 42.5	1.705	2.676	8.1	20.4
7 20	20 41.61	−20 17.1	1.664	2.670	3.9	20.1
7 30	20 31.55	−20 51.6	1.650	2.664	1.0	19.9
8 9	20 21.52	−21 21.6	1.663	2.658	5.3	20.2
8 19	20 12.62	−21 44.0	1.702	2.650	9.5	20.4
8 29	20 5.79	−21 57.4	1.765	2.643	13.3	20.6

199750 2006 JO_{25} 7 28.8 212°.82 4°.9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 2.38	−30 10.1	2.150	2.984	13.2	20.9
6 30	20 57.66	−31 7.5	2.069	2.978	10.5	20.7
7 10	20 50.55	−32 5.4	2.009	2.973	7.6	20.5
7 20	20 41.57	−32 57.9	1.975	2.967	5.3	20.4
7 30	20 31.56	−33 39.0	1.968	2.960	5.2	20.4
8 9	20 21.59	−34 4.3	1.989	2.953	7.4	20.5
8 19	20 12.72	−34 12.4	2.034	2.946	10.3	20.6
8 29	20 5.86	−34 4.0	2.103	2.938	13.1	20.8

362843 2012 BJ_{21} 7 28.8 106°.16 3°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.94	− 8 0.1	2.445	3.231	13.2	20.6
6 30	20 53.49	− 7 27.2	2.360	3.235	10.8	20.4
7 10	20 47.33	− 7 4.0	2.298	3.240	8.0	20.2
7 20	20 39.90	− 6 50.8	2.260	3.245	5.3	20.1
7 30	20 31.82	− 6 47.0	2.249	3.249	3.7	20.0
8 9	20 23.85	− 6 51.3	2.266	3.254	4.8	20.0
8 19	20 16.69	− 7 1.6	2.311	3.259	7.4	20.2
8 29	20 10.95	− 7 15.7	2.381	3.263	10.1	20.4

66345 1999 JK_{71} 7 28.8 26°.85 1°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.97	−18 11.8	1.152	2.020	19.9	18.8
6 30	20 54.70	−19 4.2	1.093	2.026	15.6	18.6
7 10	20 49.19	−20 11.3	1.052	2.033	10.5	18.3
7 20	20 41.09	−21 26.5	1.032	2.040	5.0	18.0
7 30	20 31.67	−22 40.6	1.034	2.048	2.2	17.9
8 9	20 22.51	−23 44.7	1.060	2.057	7.3	18.2
8 19	20 15.11	−24 33.0	1.109	2.066	12.4	18.5
8 29	20 10.61	−25 3.3	1.177	2.076	16.9	18.8

270486 2002 EH_{75} 7 28.8 4°.81 9°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.78	+ 9 47.3	1.676	2.407	20.3	19.7
6 30	20 51.98	+ 9 22.6	1.590	2.406	17.8	19.5
7 10	20 46.85	+ 8 24.5	1.520	2.407	14.9	19.3
7 20	20 39.87	+ 6 50.4	1.469	2.407	11.9	19.2
7 30	20 31.84	+ 4 41.7	1.442	2.408	9.6	19.0
8 9	20 23.82	+ 2 5.1	1.440	2.409	9.1	19.0
8 19	20 16.84	− 0 48.4	1.464	2.411	10.9	19.1
8 29	20 11.82	− 3 46.1	1.514	2.413	13.8	19.3

284544 2007 RC_{252} 7 28.8 303°.64 1°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.92	−20 31.6	1.864	2.700	14.8	21.0
6 30	20 55.80	−20 41.8	1.782	2.697	11.6	20.8
7 10	20 49.31	−20 57.5	1.721	2.694	7.9	20.6
7 20	20 40.98	−21 15.6	1.684	2.691	3.8	20.3
7 30	20 31.69	−21 32.3	1.674	2.688	1.3	20.1
8 9	20 22.52	−21 44.0	1.690	2.685	5.2	20.4
8 19	20 14.48	−21 48.8	1.732	2.682	9.3	20.7
8 29	20 8.47	−21 45.7	1.798	2.679	12.9	20.9

224217 2005 SQ_{36} 7 28.8 283°.98 1°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.62	−13 39.1	1.681	2.510	16.5	21.3
6 30	20 55.28	−13 46.5	1.578	2.486	13.3	21.0
7 10	20 49.34	−14 6.9	1.496	2.463	9.4	20.8
7 20	20 41.19	−14 38.5	1.436	2.439	4.9	20.4
7 30	20 31.65	−15 18.2	1.401	2.415	1.5	20.1
8 9	20 21.88	−16 1.1	1.393	2.391	5.5	20.4
8 19	20 13.10	−16 42.6	1.409	2.367	10.3	20.6
8 29	20 6.44	−17 18.8	1.449	2.343	14.6	20.8

254868 2005 SO_{11} 7 28.8 261°.21 3°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.06	− 6 18.8	2.318	3.106	13.7	21.3
6 30	20 51.51	− 6 18.0	2.223	3.099	11.3	21.1
7 10	20 46.17	− 6 30.4	2.148	3.091	8.4	20.9
7 20	20 39.44	− 6 55.9	2.098	3.084	5.5	20.7
7 30	20 31.93	− 7 32.9	2.074	3.076	3.6	20.6
8 9	20 24.41	− 8 18.4	2.077	3.069	4.8	20.6
8 19	20 17.63	− 9 8.9	2.108	3.061	7.7	20.8
8 29	20 12.28	−10 0.3	2.164	3.053	10.7	21.0

399984 2006 BU_{263} 7 28.8 323°.92 1°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.59	−10 37.4	2.309	3.118	13.2	20.8
6 30	20 50.39	−11 2.9	2.218	3.113	10.5	20.6
7 10	20 45.42	−11 40.6	2.149	3.108	7.5	20.4
7 20	20 39.08	−12 28.8	2.104	3.103	4.2	20.1
7 30	20 31.99	−13 24.4	2.086	3.099	1.7	20.0
8 9	20 24.89	−14 23.5	2.096	3.094	4.1	20.1
8 19	20 18.55	−15 22.0	2.134	3.090	7.4	20.3
8 29	20 13.63	−16 16.3	2.197	3.086	10.6	20.5

287282 2002 TZ_{175} 7 28.8 343°.66 8°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.39	− 8 53.2	1.042	1.901	22.2	19.5
6 30	20 52.22	− 7 15.3	0.967	1.885	18.6	19.2
7 10	20 47.78	− 5 49.7	0.908	1.871	14.4	18.9
7 20	20 40.58	− 4 41.5	0.867	1.858	10.3	18.6
7 30	20 31.75	− 3 54.9	0.846	1.847	8.0	18.4
8 9	20 22.91	− 3 31.2	0.846	1.837	9.8	18.5
8 19	20 15.64	− 3 28.3	0.866	1.830	14.0	18.7
8 29	20 11.31	− 3 40.6	0.903	1.825	18.5	18.9

246420 2007 VN_{31} 7 28.8 21°.81 0°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.39	−19 30.9	1.881	2.715	14.8	21.0
6 30	20 55.30	−19 40.6	1.803	2.716	11.6	20.8
7 10	20 48.93	−19 56.7	1.745	2.717	7.8	20.5
7 20	20 40.79	−20 15.9	1.712	2.718	3.7	20.3
7 30	20 31.75	−20 34.8	1.705	2.720	0.9	20.1
8 9	20 22.85	−20 49.8	1.725	2.721	5.0	20.4
8 19	20 15.09	−20 58.7	1.771	2.722	9.0	20.6
8 29	20 9.30	−21 0.4	1.841	2.724	12.6	20.8

257264 2009 FG_{58} 7 28.8 32°.99 3°.9/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.94	−25 10.6	1.203	2.070	19.3	20.5
6 30	20 58.54	−25 40.3	1.146	2.078	15.2	20.2
7 10	20 51.72	−26 14.1	1.107	2.085	10.4	20.0
7 20	20 42.26	−26 45.1	1.089	2.094	5.7	19.7
7 30	20 31.55	−27 5.9	1.094	2.103	4.2	19.7
8 9	20 21.28	−27 11.6	1.122	2.113	8.1	19.9
8 19	20 12.97	−27 0.9	1.173	2.123	12.7	20.2
8 29	20 7.73	−26 35.6	1.244	2.133	16.9	20.5

339410 2005 CY_{56} 7 28.8 249°.86 0°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.19	−11 2.8	2.005	2.817	14.8	20.4
6 30	20 53.62	−12 11.1	1.909	2.808	11.8	20.2
7 10	20 47.88	−13 36.8	1.835	2.799	8.2	19.9
7 20	20 40.37	−15 16.5	1.786	2.789	4.1	19.7
7 30	20 31.80	−17 4.3	1.765	2.780	0.7	19.4
8 9	20 23.09	−18 52.9	1.773	2.770	4.7	19.7
8 19	20 15.22	−20 35.1	1.808	2.760	8.9	19.9
8 29	20 9.08	−22 5.8	1.869	2.750	12.5	20.1

120803 1998 FY_{114} 7 28.8 103°.68 5°.0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.87	− 4 46.8	1.947	2.731	16.1	19.9
6 30	20 55.36	− 4 22.5	1.876	2.746	13.3	19.7
7 10	20 48.78	− 4 13.5	1.825	2.761	10.1	19.6
7 20	20 40.65	− 4 20.1	1.797	2.776	7.0	19.4
7 30	20 31.78	− 4 41.3	1.794	2.790	5.0	19.3
8 9	20 23.10	− 5 14.0	1.819	2.805	6.0	19.4
8 19	20 15.49	− 5 54.5	1.870	2.819	8.8	19.6
8 29	20 9.68	− 6 38.3	1.945	2.832	11.8	19.8

47054 1998 XX_{1} 7 28.8 17°.99 5°.9/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.96	−29 6.0	1.563	2.422	16.0	18.1
6 30	20 54.93	−30 23.0	1.501	2.426	12.7	17.9
7 10	20 49.06	−31 42.0	1.459	2.430	9.2	17.7
7 20	20 40.97	−32 55.0	1.441	2.435	6.4	17.5
7 30	20 31.73	−33 53.4	1.447	2.441	6.4	17.5
8 9	20 22.69	−34 31.4	1.478	2.447	9.0	17.7
8 19	20 15.12	−34 47.1	1.532	2.454	12.4	17.9
8 29	20 10.04	−34 41.7	1.607	2.461	15.6	18.1

71097 1999 XQ_{137} 7 28.8 259°.34 2°.9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.11	−11 35.6	2.139	2.940	14.3	19.2
6 30	20 56.48	−11 5.8	2.034	2.923	11.6	19.0
7 10	20 49.70	−10 44.3	1.951	2.906	8.4	18.8
7 20	20 41.20	−10 31.1	1.893	2.888	5.1	18.5
7 30	20 31.70	−10 25.3	1.862	2.870	2.9	18.3
8 9	20 22.12	−10 25.5	1.858	2.852	5.0	18.4
8 19	20 13.40	−10 29.6	1.882	2.833	8.6	18.6
8 29	20 6.38	−10 35.8	1.930	2.814	12.0	18.8

195248 2002 EQ_{41} 7 28.8 257°.66 1°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.21	−14 38.6	2.021	2.837	14.5	21.0
6 30	20 56.01	−14 45.0	1.916	2.818	11.6	20.8
7 10	20 49.52	−15 1.1	1.833	2.798	8.1	20.5
7 20	20 41.18	−15 25.2	1.774	2.778	4.2	20.2
7 30	20 31.70	−15 54.3	1.743	2.757	1.1	20.0
8 9	20 22.09	−16 24.8	1.738	2.736	4.8	20.2
8 19	20 13.35	−16 53.5	1.761	2.714	8.9	20.4
8 29	20 6.41	−17 17.6	1.808	2.692	12.7	20.6

374800 2006 TR_{126} 7 28.8 176°.63 3°.3/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.97	− 8 14.5	1.879	2.680	16.0	22.2
6 30	20 55.72	− 8 17.5	1.795	2.681	13.0	22.0
7 10	20 49.22	− 8 35.4	1.731	2.683	9.5	21.8
7 20	20 40.97	− 9 7.4	1.691	2.684	5.8	21.5
7 30	20 31.75	− 9 51.0	1.676	2.684	3.3	21.4
8 9	20 22.58	−10 41.9	1.689	2.684	5.3	21.5
8 19	20 14.45	−11 35.5	1.728	2.683	8.9	21.7
8 29	20 8.21	−12 27.5	1.792	2.682	12.5	22.0

269194 2008 GN_{138} 7 28.8 340°.99 2°.0/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.10	−11 22.0	1.346	2.192	18.9	20.4
6 30	20 52.09	−11 43.1	1.268	2.185	15.2	20.2
7 10	20 47.29	−12 23.2	1.208	2.178	10.7	19.9
7 20	20 40.22	−13 20.2	1.168	2.172	5.8	19.6
7 30	20 31.84	−14 29.2	1.153	2.166	2.0	19.3
8 9	20 23.47	−15 42.8	1.161	2.162	5.9	19.6
8 19	20 16.39	−16 53.6	1.193	2.158	10.9	19.8
8 29	20 11.74	−17 55.6	1.246	2.155	15.5	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
269107 2007 JO_3			7 28.8 97°.85	6°.2/ 1.9 18		
	h m	° ′			°	m
6 20	20 57.76	− 0 47.7	1.844	2.618	17.2	20.2
6 30	20 53.90	− 0 31.6	1.770	2.629	14.5	20.1
7 10	20 47.91	− 0 35.2	1.716	2.641	11.4	19.9
7 20	20 40.29	− 0 59.1	1.683	2.652	8.3	19.7
7 30	20 31.85	− 1 42.4	1.675	2.663	6.4	19.6
8 9	20 23.56	− 2 41.1	1.693	2.674	6.9	19.7
8 19	20 16.31	− 3 49.8	1.736	2.685	9.4	19.9
8 29	20 10.90	− 5 2.6	1.804	2.695	12.4	20.1
283056 2008 OH			7 28.8 347°.35	0°.2/28.7 18		
6 20	20 52.76	−16 17.6	1.235	2.101	19.0	19.2
6 30	20 51.33	−16 44.8	1.161	2.092	15.0	19.0
7 10	20 46.92	−17 27.3	1.105	2.084	10.3	18.7
7 20	20 40.09	−18 21.3	1.069	2.077	4.9	18.3
7 30	20 31.86	−19 20.3	1.056	2.071	0.8	18.0
8 9	20 23.68	−20 16.9	1.067	2.067	6.4	18.4
8 19	20 16.95	−21 4.7	1.100	2.063	11.8	18.7
8 29	20 12.85	−21 39.7	1.153	2.061	16.4	19.0
127308 2002 JF_{89}			7 28.8 89°.60	1°.1/29.5 18		
6 20	20 56.66	−14 9.0	2.366	3.178	12.8	20.7
6 30	20 52.60	−14 16.3	2.288	3.187	10.1	20.6
7 10	20 46.79	−14 31.9	2.233	3.196	7.0	20.4
7 20	20 39.69	−14 54.0	2.203	3.205	3.6	20.2
7 30	20 31.95	−15 20.0	2.200	3.214	1.1	20.0
8 9	20 24.33	−15 47.1	2.225	3.222	3.9	20.2
8 19	20 17.56	−16 12.8	2.278	3.231	7.2	20.5
8 29	20 12.27	−16 34.9	2.356	3.240	10.1	20.7
472064 2013 YW_{73}			7 28.8 250°.32	0°.9/28.1 18		
6 20	20 58.63	−16 39.3	2.000	2.825	14.3	21.5
6 30	20 54.86	−17 37.9	1.902	2.811	11.3	21.2
7 10	20 48.80	−18 49.2	1.825	2.796	7.7	21.0
7 20	20 40.86	−20 8.9	1.774	2.780	3.6	20.7
7 30	20 31.77	−21 31.3	1.750	2.764	1.2	20.5
8 9	20 22.51	−22 49.8	1.755	2.748	5.3	20.8
8 19	20 14.12	−23 59.2	1.786	2.731	9.4	21.0
8 29	20 7.54	−24 55.8	1.842	2.714	13.0	21.2
396083 2013 CT_{89}			7 28.8 108°.58	0°.3/29.0 18		
6 20	20 55.60	−14 28.2	2.281	3.098	13.0	21.0
6 30	20 51.96	−15 9.0	2.198	3.102	10.3	20.8
7 10	20 46.48	−16 0.2	2.138	3.105	7.0	20.6
7 20	20 39.60	−16 58.7	2.103	3.108	3.4	20.4
7 30	20 31.97	−18 0.5	2.096	3.111	0.5	20.2
8 9	20 24.38	−19 1.2	2.117	3.114	4.1	20.5
8 19	20 17.61	−19 56.9	2.166	3.117	7.6	20.7
8 29	20 12.36	−20 44.7	2.239	3.120	10.7	20.9
467729 2009 HP_{105}			7 28.8 67°.78	2°.0/29.9 16		
6 20	21 0.52	−11 13.9	1.341	2.176	19.5	21.9
6 30	20 56.74	−11 38.8	1.287	2.197	15.5	21.7
7 10	20 50.13	−12 21.6	1.251	2.218	10.8	21.5
7 20	20 41.42	−13 18.7	1.236	2.239	5.7	21.3
7 30	20 31.72	−14 24.3	1.246	2.260	2.0	21.1
8 9	20 22.42	−15 31.1	1.281	2.281	5.7	21.4
8 19	20 14.70	−16 32.9	1.341	2.302	10.4	21.7
8 29	20 9.52	−17 25.3	1.423	2.322	14.5	22.0
71602 2000 DO_{95}			7 28.8 244°.76	1°.1/27.9 18		
6 20	20 56.37	−20 28.6	2.617	3.440	11.4	20.1
6 30	20 52.39	−20 55.6	2.524	3.433	8.9	19.9
7 10	20 46.70	−21 27.5	2.455	3.425	6.0	19.7
7 20	20 39.69	−22 1.6	2.411	3.417	2.9	19.5
7 30	20 31.96	−22 34.6	2.396	3.409	1.3	19.3
8 9	20 24.24	−23 3.3	2.409	3.401	4.2	19.5
8 19	20 17.25	−23 25.6	2.450	3.393	7.3	19.7
8 29	20 11.64	−23 40.3	2.516	3.385	10.1	19.9
106980 2000 YM_{96}			7 28.8 308°.69	1°.8/29.5 18		
6 20	20 57.96	−14 59.3	1.293	2.144	19.2	18.8
6 30	20 55.49	−14 43.7	1.202	2.123	15.5	18.5
7 10	20 49.90	−14 40.0	1.129	2.103	10.9	18.2
7 20	20 41.62	−14 47.3	1.077	2.082	5.8	17.8
7 30	20 31.66	−15 2.7	1.048	2.062	1.8	17.5
8 9	20 21.51	−15 21.8	1.042	2.042	6.5	17.7
8 19	20 12.70	−15 40.6	1.059	2.024	12.0	18.0
8 29	20 6.60	−15 55.5	1.096	2.005	17.1	18.2
414387 2008 WO_{91}			7 28.8 134°.49	0°.7/28.4 17		
6 20	21 2.42	−16 59.2	1.554	2.390	17.3	21.0
6 30	20 58.14	−17 40.1	1.484	2.398	13.5	20.7
7 10	20 51.12	−18 33.1	1.434	2.406	9.2	20.5
7 20	20 41.94	−19 33.3	1.408	2.414	4.3	20.2
7 30	20 31.65	−20 34.3	1.407	2.422	1.0	20.0
8 9	20 21.54	−21 29.8	1.433	2.429	5.8	20.4
8 19	20 12.83	−22 15.0	1.484	2.435	10.4	20.7
8 29	20 6.53	−22 47.7	1.557	2.441	14.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
118191 1994 PE_{14}			7 28.8 303°.04	3°.1/30.4 18		
	h m	° ′			°	m
6 20	20 56.62	− 9 57.6	1.497	2.327	18.1	19.9
6 30	20 53.84	− 9 59.0	1.410	2.315	14.7	19.7
7 10	20 48.39	−10 17.5	1.341	2.304	10.7	19.4
7 20	20 40.74	−10 52.3	1.294	2.293	6.2	19.1
7 30	20 31.81	−11 40.4	1.271	2.282	3.1	18.9
8 9	20 22.80	−12 36.6	1.273	2.272	5.9	19.1
8 19	20 14.95	−13 35.0	1.300	2.262	10.5	19.3
8 29	20 9.37	−14 29.9	1.348	2.252	14.9	19.5
291258 2006 BM_{60}			7 28.8 219°.21	2°.5/27.1 18		
6 20	21 1.04	−27 26.0	2.863	3.682	10.6	21.2
6 30	20 55.85	−27 39.1	2.771	3.675	8.3	21.0
7 10	20 48.93	−27 51.9	2.703	3.668	5.8	20.8
7 20	20 40.72	−28 1.3	2.661	3.661	3.4	20.7
7 30	20 31.84	−28 4.5	2.648	3.653	2.7	20.6
8 9	20 23.06	−27 59.6	2.665	3.645	4.7	20.7
8 19	20 15.07	−27 45.9	2.709	3.637	7.4	20.9
8 29	20 8.53	−27 23.7	2.779	3.628	9.9	21.1
128382 2004 JH_{35}			7 28.8 13°.75	3°.6/30.4 17		
6 20	20 53.06	−10 44.0	0.922	1.796	23.2	18.8
6 30	20 52.11	−10 34.4	0.867	1.799	18.8	18.5
7 10	20 47.69	−10 47.5	0.828	1.803	13.5	18.2
7 20	20 40.50	−11 22.3	0.806	1.809	7.7	18.0
7 30	20 31.87	−12 13.9	0.804	1.817	3.6	17.8
8 9	20 23.55	−13 14.2	0.823	1.825	7.2	18.0
8 19	20 17.14	−14 14.6	0.862	1.835	12.7	18.3
8 29	20 13.83	−15 7.9	0.920	1.847	17.7	18.7
446521 2014 LO_3			7 28.8 134°.57	5°.1/ 1.5 18		R
6 20	20 56.38	− 2 13.4	2.366	3.131	14.1	21.5
6 30	20 52.40	− 1 52.1	2.282	3.136	11.8	21.3
7 10	20 46.69	− 1 45.2	2.218	3.141	9.3	21.1
7 20	20 39.69	− 1 53.1	2.178	3.146	6.8	21.0
7 30	20 32.02	− 2 15.4	2.164	3.151	5.2	20.9
8 9	20 24.41	− 2 49.7	2.177	3.156	5.8	20.9
8 19	20 17.59	− 3 32.8	2.217	3.160	7.9	21.1
8 29	20 12.19	− 4 20.8	2.281	3.165	10.5	21.3
85609 1998 HZ_8			7 28.8 277°.85	4°.9/26.0 18		
6 20	21 1.33	−25 53.9	1.537	2.389	16.6	19.9
6 30	20 57.97	−26 59.7	1.446	2.370	13.2	19.6
7 10	20 51.51	−28 13.1	1.376	2.350	9.3	19.4
7 20	20 42.40	−29 26.7	1.329	2.329	5.8	19.1
7 30	20 31.61	−30 31.3	1.306	2.309	5.3	19.0
8 9	20 20.60	−31 19.2	1.309	2.288	8.7	19.2
8 19	20 10.90	−31 46.0	1.335	2.268	13.0	19.4
8 29	20 3.83	−31 51.3	1.382	2.247	17.0	19.6
361882 2008 FE_{65}			7 28.8 353°.93	4°.5/31.9 18		
6 20	20 53.66	− 5 3.2	1.996	2.792	15.4	20.5
6 30	20 50.69	− 4 55.2	1.910	2.789	12.7	20.3
7 10	20 45.76	− 5 2.9	1.845	2.787	9.7	20.1
7 20	20 39.33	− 5 26.5	1.802	2.786	6.5	19.9
7 30	20 32.07	− 6 4.5	1.785	2.784	4.5	19.8
8 9	20 24.85	− 6 53.6	1.793	2.784	5.6	19.8
8 19	20 18.50	− 7 49.3	1.828	2.783	8.5	20.0
8 29	20 13.77	− 8 46.9	1.886	2.783	11.6	20.2
73907 1997 GG_{15}			7 28.8 166°.34	0°.9/28.3 18		
6 20	21 2.94	−19 16.7	1.835	2.663	15.3	20.4
6 30	20 58.18	−19 39.6	1.757	2.667	12.0	20.2
7 10	20 50.96	−20 9.9	1.700	2.670	8.1	20.0
7 20	20 41.84	−20 43.8	1.667	2.673	3.9	19.7
7 30	20 31.73	−21 16.8	1.661	2.676	1.2	19.5
8 9	20 21.75	−21 44.5	1.683	2.677	5.3	19.8
8 19	20 12.98	−22 4.3	1.731	2.679	9.4	20.1
8 29	20 6.33	−22 14.8	1.802	2.680	13.1	20.3
110246 2001 SJ_{235}			7 28.8 324°.26	1°.1/29.5 18		
6 20	20 56.91	−14 16.3	2.025	2.847	14.3	20.2
6 30	20 53.24	−14 25.4	1.940	2.845	11.4	20.0
7 10	20 47.50	−14 44.3	1.877	2.843	7.9	19.8
7 20	20 40.16	−15 11.1	1.838	2.841	4.1	19.6
7 30	20 31.97	−15 42.9	1.825	2.839	1.1	19.3
8 9	20 23.83	−16 15.9	1.839	2.837	4.5	19.6
8 19	20 16.65	−16 47.0	1.880	2.836	8.3	19.8
8 29	20 11.18	−17 13.5	1.945	2.834	11.7	20.0
398692 2012 WF_{21}			7 28.8 339°.41	4°.7/26.1 18		
6 20	20 58.92	−27 24.8	1.686	2.539	15.4	20.2
6 30	20 55.53	−28 20.0	1.612	2.534	12.1	20.0
7 10	20 49.43	−29 18.3	1.558	2.530	8.6	19.8
7 20	20 41.21	−30 13.2	1.528	2.527	5.4	19.6
7 30	20 31.82	−30 57.5	1.523	2.523	5.0	19.5
8 9	20 22.54	−31 26.0	1.543	2.521	7.8	19.7
8 19	20 14.57	−31 36.4	1.588	2.518	11.4	19.9
8 29	20 8.94	−31 29.3	1.654	2.516	14.8	20.1

221830 2008 EX_{113} 7 28.8 359.°90 1.°5/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.56	−15 40.0	1.000	1.881	21.3	19.5
6 30	20 50.85	−15 26.3	0.938	1.877	16.9	19.2
7 10	20 46.81	−15 26.9	0.892	1.874	11.8	18.9
7 20	20 40.11	−15 40.1	0.865	1.873	6.0	18.6
7 30	20 31.97	−16 1.7	0.859	1.874	1.5	18.3
8 9	20 24.07	−16 26.0	0.874	1.876	6.7	18.7
8 19	20 17.92	−16 47.8	0.909	1.881	12.4	19.0
8 29	20 14.74	−17 3.3	0.963	1.887	17.3	19.3

199727 2006 HJ_{88} 7 28.8 243.°97 5.°0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.40	− 4 26.3	1.976	2.763	15.8	20.3
6 30	20 53.68	− 4 8.1	1.884	2.756	13.2	20.1
7 10	20 47.86	− 4 5.5	1.812	2.749	10.1	19.9
7 20	20 40.37	− 4 19.2	1.762	2.742	7.0	19.7
7 30	20 31.94	− 4 48.4	1.738	2.735	5.1	19.6
8 9	20 23.48	− 5 30.3	1.740	2.727	6.1	19.7
8 19	20 15.92	− 6 20.7	1.768	2.720	9.0	19.8
8 29	20 10.07	− 7 14.9	1.821	2.712	12.3	20.0

127764 2003 FW_{39} 7 28.8 250.°81 1.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.71	−20 53.9	2.208	3.038	13.0	20.5
6 30	20 53.76	−21 22.8	2.123	3.036	10.1	20.3
7 10	20 47.80	−21 57.3	2.061	3.033	6.9	20.1
7 20	20 40.29	−22 33.9	2.025	3.030	3.3	19.9
7 30	20 31.96	−23 8.6	2.015	3.028	1.6	19.7
8 9	20 23.69	−23 37.7	2.033	3.025	4.8	20.0
8 19	20 16.34	−23 58.8	2.078	3.023	8.3	20.2
8 29	20 10.66	−24 10.7	2.147	3.020	11.5	20.4

337183 1999 VM_{119} 7 28.8 124.°92 1.°5/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.64	−13 33.2	1.974	2.790	14.8	21.4
6 30	20 55.32	−13 34.2	1.896	2.796	11.8	21.2
7 10	20 48.86	−13 45.1	1.839	2.803	8.2	21.0
7 20	20 40.79	−14 4.3	1.807	2.809	4.4	20.8
7 30	20 31.90	−14 29.0	1.801	2.814	1.5	20.6
8 9	20 23.15	−14 55.8	1.823	2.820	4.6	20.9
8 19	20 15.44	−15 21.7	1.871	2.826	8.4	21.1
8 29	20 9.56	−15 44.2	1.943	2.831	11.8	21.3

264235 2010 TT_{6} 7 28.8 251.°68 6.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.49	+ 4 17.0	2.874	3.591	12.9	21.6
6 30	20 51.56	+ 4 45.9	2.762	3.572	11.2	21.5
7 10	20 46.11	+ 5 0.5	2.670	3.552	9.4	21.3
7 20	20 39.45	+ 4 59.1	2.600	3.533	7.7	21.2
7 30	20 32.08	+ 4 41.2	2.557	3.512	6.5	21.1
8 9	20 24.60	+ 4 7.6	2.539	3.492	6.7	21.0
8 19	20 17.65	+ 3 20.9	2.549	3.470	8.1	21.1
8 29	20 11.83	+ 2 24.5	2.584	3.449	10.0	21.2

249743 2000 SR_{214} 7 28.8 338.°69 7.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.31	− 4 36.1	1.065	1.915	22.5	19.9
6 30	20 49.75	− 4 4.8	0.990	1.901	19.0	19.6
7 10	20 46.11	− 3 59.1	0.929	1.888	14.7	19.3
7 20	20 39.85	− 4 22.3	0.886	1.876	10.3	19.1
7 30	20 32.00	− 5 14.1	0.863	1.866	7.2	18.9
8 9	20 24.07	− 6 29.0	0.861	1.857	8.6	18.9
8 19	20 17.58	− 7 57.8	0.879	1.849	12.9	19.1
8 29	20 13.88	− 9 29.7	0.916	1.843	17.7	19.4

85589 1998 FE_{25} 7 28.8 307.°37 5.°6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 5.48	−31 23.2	1.541	2.390	16.8	17.9
6 30	21 1.24	−31 39.4	1.449	2.367	13.5	17.7
7 10	20 53.69	−31 52.9	1.377	2.345	9.9	17.4
7 20	20 43.40	−31 56.6	1.327	2.324	6.6	17.1
7 30	20 31.53	−31 43.9	1.302	2.302	5.8	17.0
8 9	20 19.68	−31 11.0	1.302	2.281	8.8	17.2
8 19	20 9.43	−30 18.3	1.325	2.260	12.9	17.3
8 29	20 2.05	−29 9.5	1.370	2.240	16.8	17.5

384589 2010 JD_{178} 7 28.8 76.°06 6.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.73	+ 0 48.2	1.909	2.677	16.9	20.5
6 30	20 52.33	+ 0 55.4	1.831	2.683	14.4	20.4
7 10	20 46.89	+ 0 41.9	1.771	2.690	11.4	20.2
7 20	20 39.88	+ 0 6.8	1.732	2.696	8.5	20.0
7 30	20 32.03	− 0 48.7	1.718	2.703	6.6	19.9
8 9	20 24.27	− 2 0.5	1.730	2.710	6.9	20.0
8 19	20 17.47	− 3 22.9	1.768	2.716	9.3	20.1
8 29	20 12.39	− 4 49.4	1.830	2.723	12.1	20.3

294607 2008 AT_{12} 7 28.8 350.°54 1.°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.30	−12 27.5	1.728	2.559	16.0	20.1
6 30	20 51.58	−12 48.0	1.646	2.555	12.7	19.9
7 10	20 46.59	−13 22.5	1.584	2.552	8.9	19.6
7 20	20 39.81	−14 8.9	1.546	2.549	4.7	19.4
7 30	20 32.04	−15 3.0	1.533	2.546	1.5	19.2
8 9	20 24.30	−15 59.8	1.545	2.545	4.9	19.4
8 19	20 17.61	−16 54.2	1.583	2.543	9.2	19.6
8 29	20 12.85	−17 42.0	1.645	2.543	13.0	19.9

281021 2006 EX_{68} 7 28.8 334.°28 1.°5/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.19	−13 56.5	1.537	2.377	17.2	20.9
6 30	20 53.40	−14 1.3	1.455	2.370	13.7	20.7
7 10	20 48.02	−14 19.1	1.392	2.362	9.6	20.4
7 20	20 40.56	−14 47.9	1.351	2.355	5.0	20.1
7 30	20 31.93	−15 24.2	1.335	2.349	1.5	19.9
8 9	20 23.32	−16 3.0	1.344	2.343	5.5	20.1
8 19	20 15.92	−16 39.9	1.377	2.338	10.1	20.4
8 29	20 10.73	−17 11.0	1.432	2.333	14.3	20.6

181118 2005 QM_{98} 7 28.8 321.°88 4.°9/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.07	−30 38.3	1.895	2.738	14.3	20.5
6 30	20 56.95	−31 9.5	1.813	2.728	11.4	20.3
7 10	20 50.26	−31 39.6	1.752	2.719	8.3	20.1
7 20	20 41.57	−32 2.8	1.716	2.710	5.6	19.9
7 30	20 31.81	−32 13.8	1.705	2.702	5.1	19.8
8 9	20 22.18	−32 9.2	1.720	2.693	7.5	20.0
8 19	20 13.81	−31 48.2	1.760	2.685	10.8	20.2
8 29	20 7.66	−31 12.5	1.822	2.678	13.9	20.3

34610 2000 UV_{9} 7 28.8 179.°67 4.°3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.14	−29 34.8	2.384	3.218	12.1	18.6
6 30	20 54.86	−30 30.9	2.308	3.218	9.5	18.4
7 10	20 48.55	−31 27.4	2.254	3.218	6.9	18.2
7 20	20 40.66	−32 19.4	2.226	3.218	4.7	18.1
7 30	20 31.94	−33 1.6	2.226	3.218	4.6	18.1
8 9	20 23.30	−33 30.4	2.252	3.218	6.6	18.2
8 19	20 15.61	−33 44.4	2.305	3.218	9.2	18.4
8 29	20 9.63	−33 43.7	2.382	3.217	11.8	18.5

342298 2008 TU_{47} 7 28.8 250.°21 1.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.68	−11 57.2	2.174	2.980	14.0	21.7
6 30	20 54.63	−12 10.8	2.069	2.963	11.2	21.4
7 10	20 48.52	−12 35.9	1.986	2.946	8.0	21.2
7 20	20 40.72	−13 11.1	1.927	2.928	4.4	20.9
7 30	20 31.92	−13 53.6	1.896	2.909	1.7	20.7
8 9	20 22.99	−14 39.7	1.893	2.890	4.5	20.9
8 19	20 14.84	−15 25.5	1.916	2.870	8.3	21.1
8 29	20 8.31	−16 7.6	1.965	2.850	11.8	21.3

488260 2016 HS_{23} 7 28.8 81.°18 3.°6/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 5.17	−24 14.8	1.426	2.275	17.8	21.6
6 30	21 0.44	−25 2.9	1.374	2.295	13.9	21.4
7 10	20 52.69	−25 55.7	1.341	2.316	9.5	21.2
7 20	20 42.68	−26 46.1	1.332	2.336	5.1	21.0
7 30	20 31.68	−27 26.8	1.348	2.356	3.9	21.0
8 9	20 21.16	−27 52.6	1.389	2.375	7.4	21.2
8 19	20 12.42	−28 1.9	1.454	2.395	11.5	21.5
8 29	20 6.42	−27 55.8	1.541	2.414	15.1	21.8

479730 2014 DU_{137} 7 28.8 218.°13 2.°4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.95	−23 33.5	1.991	2.827	14.0	21.9
6 30	20 55.77	−24 5.2	1.911	2.826	10.9	21.7
7 10	20 49.29	−24 41.0	1.853	2.825	7.5	21.5
7 20	20 41.06	−25 16.7	1.819	2.824	3.9	21.3
7 30	20 31.89	−25 47.4	1.812	2.822	2.7	21.2
8 9	20 22.82	−26 9.2	1.833	2.821	5.7	21.4
8 19	20 14.86	−26 20.1	1.879	2.819	9.3	21.6
8 29	20 8.83	−26 19.6	1.949	2.818	12.6	21.8

102464 1999 TG_{230} 7 28.8 349.°77 6.°2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.48	−26 33.2	1.115	1.997	19.4	18.8
6 30	20 54.09	−27 47.1	1.050	1.991	15.4	18.5
7 10	20 49.18	−29 8.2	1.004	1.985	10.9	18.3
7 20	20 41.34	−30 26.8	0.978	1.980	7.0	18.1
7 30	20 31.84	−31 31.6	0.974	1.976	6.7	18.0
8 9	20 22.48	−32 13.5	0.991	1.974	10.3	18.2
8 19	20 14.98	−32 29.0	1.030	1.972	14.9	18.5
8 29	20 10.67	−32 19.2	1.086	1.972	19.1	18.7

339276 2004 XV_{8} 7 28.8 242.°83 3.°0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.18	−11 46.8	2.066	2.867	14.7	20.6
6 30	20 57.35	−11 12.1	1.968	2.857	11.9	20.4
7 10	20 50.33	−10 45.7	1.892	2.847	8.7	20.1
7 20	20 41.57	−10 27.5	1.841	2.836	5.2	19.9
7 30	20 31.84	−10 16.8	1.816	2.825	3.0	19.8
8 9	20 22.09	−10 12.3	1.820	2.813	5.1	19.9
8 19	20 13.30	−10 12.2	1.850	2.801	8.7	20.1
8 29	20 6.29	−10 14.4	1.905	2.789	12.1	20.3

107018 2000 YW_{115} 7 28.8 114.°38 1.°8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 4.08	−21 1.7	1.646	2.483	16.4	20.1
6 30	20 59.26	−21 35.7	1.582	2.497	12.8	19.9
7 10	20 51.77	−22 16.5	1.537	2.510	8.6	19.7
7 20	20 42.26	−22 59.2	1.517	2.523	4.2	19.5
7 30	20 31.77	−23 37.8	1.523	2.536	2.1	19.4
8 9	20 21.57	−24 7.6	1.556	2.548	6.0	19.7
8 19	20 12.82	−24 26.1	1.614	2.560	10.2	19.9
8 29	20 6.45	−24 32.6	1.695	2.571	13.8	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
208010 1998 SB_{61}			7 28.8 303°.87	4°.7/31.6 18		
	h m	° ′			°	m
6 20	20 54.71	− 5 37.4	1.752	2.558	16.8	20.2
6 30	20 52.08	− 5 32.6	1.647	2.533	14.0	19.9
7 10	20 47.12	− 5 45.8	1.560	2.508	10.7	19.6
7 20	20 40.19	− 6 17.8	1.496	2.483	7.1	19.4
7 30	20 32.02	− 7 7.5	1.455	2.459	4.7	19.2
8 9	20 23.61	− 8 11.1	1.440	2.434	6.2	19.2
8 19	20 16.05	− 9 22.9	1.451	2.410	9.9	19.4
8 29	20 10.35	−10 36.8	1.484	2.386	13.9	19.5
106441 2000 VA_{53}			7 28.8 37°.88	8°.2/ 1.7 17		
6 20	20 59.22	− 0 59.5	1.640	2.422	18.7	19.3
6 30	20 55.38	+ 0 12.1	1.567	2.427	16.0	19.1
7 10	20 49.13	+ 1 6.0	1.512	2.433	12.9	18.9
7 20	20 41.02	+ 1 38.9	1.478	2.439	10.0	18.7
7 30	20 31.93	+ 1 48.9	1.468	2.445	8.3	18.7
8 9	20 22.97	+ 1 37.3	1.481	2.451	8.9	18.7
8 19	20 15.20	+ 1 7.9	1.519	2.458	11.2	18.9
8 29	20 9.49	+ 0 26.3	1.578	2.465	14.1	19.1
103121 1999 XP_{188}			7 28.8 250°.11	2°.3/29.9 18		
6 20	21 1.31	−12 57.7	2.115	2.921	14.3	19.4
6 30	20 56.65	−12 33.1	2.016	2.908	11.5	19.1
7 10	20 49.85	−12 16.4	1.937	2.895	8.2	18.9
7 20	20 41.35	−12 7.1	1.884	2.882	4.7	18.7
7 30	20 31.88	−12 4.1	1.858	2.869	2.3	18.5
8 9	20 22.38	−12 5.4	1.859	2.855	4.8	18.6
8 19	20 13.78	−12 9.2	1.888	2.841	8.5	18.8
8 29	20 6.92	−12 13.6	1.942	2.826	11.9	19.0
120101 2003 FP_{5}			7 28.8 69°.54	4°.1/31.5 18		R
6 20	20 56.49	− 6 21.7	2.165	2.955	14.5	19.7
6 30	20 52.66	− 6 3.9	2.084	2.961	11.9	19.6
7 10	20 46.98	− 5 59.1	2.025	2.967	8.9	19.4
7 20	20 39.90	− 6 7.4	1.988	2.972	6.0	19.2
7 30	20 32.09	− 6 27.6	1.978	2.978	4.1	19.1
8 9	20 24.39	− 6 57.1	1.995	2.984	5.2	19.2
8 19	20 17.56	− 7 32.7	2.038	2.990	8.0	19.4
8 29	20 12.29	− 8 10.8	2.106	2.996	10.9	19.6
520894 2014 WU_{526}			7 28.8 201°.37	4°.4/26.7 17		
6 20	21 4.88	−27 20.9	1.642	2.485	16.1	21.8
6 30	21 0.25	−28 1.9	1.566	2.483	12.8	21.6
7 10	20 52.69	−28 45.2	1.511	2.482	9.0	21.4
7 20	20 42.81	−29 24.2	1.480	2.479	5.4	21.2
7 30	20 31.69	−29 52.1	1.474	2.477	4.7	21.1
8 9	20 20.74	−30 4.3	1.494	2.474	7.7	21.3
8 19	20 11.28	−29 59.2	1.538	2.471	11.6	21.5
8 29	20 4.39	−29 38.4	1.605	2.468	15.1	21.7
107221 2001 BW_{48}			7 28.8 73°.44	6°.2/ 1.0 17		
6 20	21 1.72	− 4 22.2	1.450	2.253	19.9	19.7
6 30	20 57.43	− 3 45.2	1.393	2.273	16.4	19.5
7 10	20 50.51	− 3 28.2	1.353	2.294	12.5	19.3
7 20	20 41.64	− 3 32.0	1.334	2.314	8.7	19.1
7 30	20 31.87	− 3 55.4	1.338	2.335	6.3	19.1
8 9	20 22.45	− 4 34.5	1.368	2.355	7.4	19.2
8 19	20 14.52	− 5 23.5	1.422	2.375	10.6	19.4
8 29	20 8.93	− 6 16.4	1.498	2.395	14.1	19.7
472794 2015 FQ_{152}			7 28.8 226°.52	6°.0/ 1.6 18		
6 20	20 56.97	− 2 5.4	1.782	2.567	17.4	21.1
6 30	20 53.55	− 1 49.4	1.698	2.566	14.6	20.9
7 10	20 47.88	− 1 52.6	1.633	2.565	11.4	20.7
7 20	20 40.44	− 2 16.3	1.589	2.564	8.2	20.5
7 30	20 32.02	− 2 59.4	1.570	2.562	6.1	20.4
8 9	20 23.63	− 3 58.2	1.576	2.561	6.9	20.4
8 19	20 16.23	− 5 7.3	1.608	2.560	9.7	20.6
8 29	20 10.72	− 6 20.5	1.663	2.559	13.0	20.8
148413 2000 WY_{62}			7 28.8 179°.93	3°.5/25.8 18		
6 20	20 59.29	−29 5.1	2.830	3.654	10.6	20.6
6 30	20 54.63	−29 53.3	2.749	3.655	8.4	20.5
7 10	20 48.21	−30 41.7	2.693	3.656	6.0	20.3
7 20	20 40.48	−31 26.2	2.663	3.656	4.0	20.2
7 30	20 32.04	−32 2.9	2.661	3.656	3.7	20.2
8 9	20 23.66	−32 28.8	2.688	3.655	5.6	20.3
8 19	20 16.08	−32 42.5	2.742	3.654	7.9	20.5
8 29	20 9.93	−32 44.0	2.821	3.653	10.2	20.6
384308 2009 SG_{108}			7 28.8 277°.03	1°.0/29.3 18		
6 20	20 59.19	−14 41.4	1.714	2.543	16.2	22.3
6 30	20 55.68	−14 51.4	1.616	2.525	13.0	22.0
7 10	20 49.61	−15 13.4	1.537	2.506	9.1	21.7
7 20	20 41.41	−15 45.1	1.482	2.487	4.6	21.4
7 30	20 31.90	−16 23.1	1.453	2.467	1.0	21.1
8 9	20 22.23	−17 2.5	1.449	2.448	5.3	21.4
8 19	20 13.59	−17 39.2	1.471	2.428	10.0	21.6
8 29	20 7.03	−18 9.7	1.516	2.409	14.2	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
206709 2004 BW_{36}			7 28.8 206°.65	0°.7/28.4 18		
	h m	° ′			°	m
6 20	20 59.77	−19 28.6	2.177	3.001	13.4	21.0
6 30	20 55.38	−19 43.1	2.090	2.999	10.5	20.8
7 10	20 48.92	−20 3.3	2.026	2.996	7.1	20.5
7 20	20 40.88	−20 26.5	1.987	2.993	3.4	20.3
7 30	20 31.99	−20 49.2	1.976	2.990	0.9	20.1
8 9	20 23.18	−21 8.1	1.992	2.987	4.6	20.4
8 19	20 15.32	−21 21.2	2.035	2.983	8.2	20.6
8 29	20 9.18	−21 27.3	2.103	2.980	11.5	20.8
509034 2005 RZ_{42}			7 28.8 311°.96	2°.8/27.5 18		
6 20	20 57.79	−22 24.5	1.375	2.237	17.7	21.4
6 30	20 55.41	−22 54.5	1.283	2.212	14.0	21.1
7 10	20 49.91	−23 33.1	1.210	2.188	9.7	20.7
7 20	20 41.73	−24 15.3	1.158	2.165	5.0	20.4
7 30	20 31.85	−24 54.0	1.130	2.141	3.1	20.2
8 9	20 21.75	−25 22.5	1.125	2.119	7.5	20.4
8 19	20 12.98	−25 36.7	1.144	2.097	12.6	20.6
8 29	20 6.91	−25 35.3	1.182	2.076	17.3	20.9
223205 2003 BK_{39}			7 28.8 246°.29	0°.3/29.0 18		
6 20	21 0.18	−15 36.7	1.882	2.706	15.2	21.5
6 30	20 56.18	−15 59.2	1.786	2.692	12.1	21.2
7 10	20 49.78	−16 32.7	1.710	2.678	8.3	21.0
7 20	20 41.43	−17 14.5	1.659	2.664	4.1	20.7
7 30	20 31.91	−18 0.4	1.634	2.649	0.6	20.4
8 9	20 22.29	−18 45.7	1.637	2.634	5.0	20.7
8 19	20 13.65	−19 26.1	1.666	2.619	9.4	20.9
8 29	20 6.95	−19 58.7	1.719	2.603	13.3	21.1
248422 2005 SL_{217}			7 28.8 308°.10	1°.4/27.9 18		
6 20	20 56.83	−20 33.9	1.917	2.757	14.3	20.3
6 30	20 53.67	−20 59.6	1.812	2.730	11.3	20.1
7 10	20 48.16	−21 32.7	1.729	2.702	7.7	19.8
7 20	20 40.69	−22 9.8	1.669	2.675	3.8	19.5
7 30	20 32.00	−22 46.4	1.635	2.648	1.7	19.3
8 9	20 23.14	−23 17.9	1.628	2.622	5.6	19.5
8 19	20 15.17	−23 40.7	1.646	2.595	9.8	19.7
8 29	20 9.09	−23 53.1	1.687	2.569	13.6	19.9
64705 2001 XB_{90}			7 28.8 231°.92	0°.6/28.5 18		
6 20	20 58.13	−18 47.5	2.366	3.188	12.5	20.9
6 30	20 53.97	−19 8.5	2.274	3.181	9.8	20.7
7 10	20 47.92	−19 35.7	2.204	3.174	6.7	20.5
7 20	20 40.40	−20 6.5	2.160	3.166	3.2	20.3
7 30	20 32.06	−20 37.5	2.144	3.159	0.8	20.1
8 9	20 23.74	−21 5.3	2.156	3.151	4.3	20.3
8 19	20 16.24	−21 27.7	2.195	3.143	7.8	20.5
8 29	20 10.28	−21 42.9	2.259	3.134	10.9	20.7
510409 2011 UU_{168}			7 28.8 32°.57	2°.9/30.3 18		
6 20	20 58.84	−11 44.3	1.801	2.619	16.0	20.5
6 30	20 54.89	−11 17.2	1.725	2.624	12.8	20.3
7 10	20 48.69	−11 0.8	1.670	2.629	9.2	20.1
7 20	20 40.78	−10 54.7	1.638	2.635	5.4	19.9
7 30	20 32.02	−10 57.4	1.632	2.641	2.9	19.8
8 9	20 23.43	−11 6.5	1.652	2.648	5.2	19.9
8 19	20 15.97	−11 19.3	1.698	2.655	8.9	20.2
8 29	20 10.45	−11 33.1	1.767	2.662	12.4	20.4
199454 2006 DQ_{39}			7 28.8 70°.86	8°.4/24.6 17		
6 20	21 6.83	−37 53.4	1.696	2.534	15.9	20.0
6 30	21 1.84	−38 58.6	1.642	2.545	13.1	19.9
7 10	20 53.73	−39 56.7	1.608	2.556	10.4	19.7
7 20	20 43.26	−40 39.1	1.597	2.567	8.6	19.7
7 30	20 31.72	−40 58.5	1.610	2.577	8.7	19.7
8 9	20 20.64	−40 51.8	1.648	2.588	10.5	19.8
8 19	20 11.38	−40 20.4	1.708	2.599	13.1	20.0
8 29	20 4.93	−39 28.5	1.790	2.610	15.7	20.2
180927 2005 LX_{24}			7 28.8 18°.38	0°.6/28.5 17		
6 20	20 54.37	−16 22.9	1.118	1.989	20.2	19.0
6 30	20 52.72	−17 1.6	1.061	1.995	15.9	18.8
7 10	20 47.91	−17 56.4	1.022	2.002	10.8	18.5
7 20	20 40.62	−19 1.8	1.002	2.011	5.1	18.2
7 30	20 32.07	−20 10.0	1.006	2.021	1.1	18.0
8 9	20 23.80	−21 12.2	1.032	2.032	6.7	18.4
8 19	20 17.25	−22 2.3	1.080	2.044	12.0	18.7
8 29	20 13.49	−22 37.0	1.148	2.057	16.5	19.1
509273 2006 UX_{243}			7 28.8 339°.63	1°.2/29.3 17		
6 20	20 51.90	−15 22.8	1.065	1.941	20.6	21.2
6 30	20 51.18	−15 20.8	0.989	1.925	16.5	20.9
7 10	20 47.20	−15 34.2	0.930	1.911	11.6	20.6
7 20	20 40.46	−16 1.3	0.890	1.897	5.9	20.2
7 30	20 32.07	−16 37.3	0.871	1.886	1.2	19.9
8 9	20 23.65	−17 15.8	0.873	1.876	6.8	20.2
8 19	20 16.80	−17 50.7	0.896	1.867	12.7	20.5
8 29	20 12.89	−18 17.1	0.938	1.860	17.9	20.7

198011 2004 RK_{200} 7 28.8 344°.54 21°.2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.26	+14 16.3	1.071	1.847	27.0	19.3
6 30	20 43.42	+16 54.1	0.998	1.821	25.6	19.1
7 10	20 41.85	+19 2.1	0.937	1.798	24.0	18.9
7 20	20 37.89	+20 28.0	0.889	1.777	22.6	18.7
7 30	20 32.41	+21 0.5	0.853	1.759	21.6	18.5
8 9	20 26.71	+20 33.8	0.831	1.744	21.2	18.4
8 19	20 22.25	+19 9.2	0.824	1.731	21.6	18.4
8 29	20 20.42	+16 55.9	0.830	1.722	22.9	18.5

320312 2007 TS_{1} 7 28.8 253°.63 4°.5/26.9 17

6 20	21 6.18	−27 30.3	1.506	2.353	17.2	21.3
6 30	21 1.70	−28 2.0	1.423	2.342	13.7	21.0
7 10	20 53.97	−28 36.0	1.360	2.331	9.6	20.7
7 20	20 43.58	−29 5.3	1.320	2.320	5.8	20.5
7 30	20 31.67	−29 22.9	1.304	2.309	4.8	20.4
8 9	20 19.83	−29 23.6	1.314	2.297	8.1	20.6
8 19	20 9.58	−29 6.3	1.348	2.285	12.5	20.8
8 29	20 2.17	−28 32.9	1.403	2.273	16.5	21.0

67897 2000 WK_{75} 7 28.8 234°.28 5°.9/25.8 18

6 20	21 4.54	−29 32.2	1.543	2.392	16.7	18.7
6 30	21 0.37	−30 33.8	1.468	2.387	13.3	18.5
7 10	20 53.02	−31 37.5	1.414	2.382	9.7	18.3
7 20	20 43.10	−32 34.8	1.382	2.377	6.6	18.1
7 30	20 31.75	−33 17.4	1.376	2.371	6.3	18.1
8 9	20 20.50	−33 39.1	1.394	2.366	9.1	18.2
8 19	20 10.84	−33 38.4	1.436	2.360	12.9	18.4
8 29	20 3.96	−33 17.3	1.499	2.354	16.5	18.6

72255 2001 AZ_{31} 7 28.8 301°.62 2°.2/27.9 18

6 20	21 2.14	−22 42.2	1.367	2.222	18.1	19.2
6 30	20 58.67	−22 53.0	1.285	2.210	14.4	18.9
7 10	20 51.99	−23 9.5	1.222	2.198	9.9	18.6
7 20	20 42.66	−23 26.9	1.180	2.187	4.9	18.3
7 30	20 31.81	−23 39.7	1.163	2.175	2.5	18.1
8 9	20 20.99	−23 42.8	1.170	2.164	7.0	18.3
8 19	20 11.73	−23 34.3	1.200	2.154	12.1	18.6
8 29	20 5.27	−23 14.2	1.251	2.143	16.6	18.8

39506 1981 EO_{44} 7 28.8 254°.57 0°.5/28.6 18

6 20	21 1.82	−18 30.4	1.489	2.332	17.5	19.8
6 30	20 58.01	−18 44.1	1.409	2.327	13.9	19.6
7 10	20 51.29	−19 7.4	1.349	2.323	9.5	19.3
7 20	20 42.24	−19 36.5	1.311	2.318	4.5	19.0
7 30	20 31.89	−20 6.5	1.298	2.313	0.9	18.7
8 9	20 21.61	−20 32.3	1.311	2.308	6.0	19.1
8 19	20 12.73	−20 50.4	1.348	2.303	10.9	19.3
8 29	20 6.35	−20 59.1	1.407	2.298	15.2	19.6

519721 2013 BH_{84} 7 28.8 55°.46 1°.5/29.7 18

6 20	20 57.86	−14 1.4	2.053	2.871	14.3	21.5
6 30	20 53.86	−13 57.6	1.977	2.879	11.3	21.3
7 10	20 47.87	−14 2.9	1.923	2.887	7.9	21.1
7 20	20 40.38	−14 15.5	1.893	2.895	4.2	20.9
7 30	20 32.16	−14 33.2	1.890	2.904	1.5	20.7
8 9	20 24.09	−14 53.1	1.914	2.912	4.4	20.9
8 19	20 17.01	−15 12.4	1.965	2.921	8.0	21.2
8 29	20 11.64	−15 28.9	2.040	2.930	11.2	21.4

399460 2002 PK_{169} 7 28.8 266°.35 1°.8/27.6 17

6 20	20 58.47	−24 5.2	2.625	3.450	11.3	21.7
6 30	20 54.08	−24 19.5	2.532	3.440	8.9	21.5
7 10	20 47.92	−24 35.7	2.461	3.431	6.0	21.3
7 20	20 40.40	−24 51.0	2.417	3.421	3.1	21.1
7 30	20 32.16	−25 2.5	2.400	3.411	2.0	21.0
8 9	20 23.95	−25 7.8	2.413	3.401	4.5	21.2
8 19	20 16.53	−25 5.6	2.452	3.391	7.5	21.3
8 29	20 10.57	−24 55.6	2.517	3.381	10.3	21.5

361503 2007 EO_{104} 7 28.8 113°.99 6°.0/25.1 18

6 20	21 3.65	−36 49.7	2.402	3.226	12.3	21.1
6 30	20 58.43	−37 29.1	2.331	3.228	10.0	20.9
7 10	20 50.98	−38 3.2	2.283	3.230	7.8	20.8
7 20	20 41.87	−38 26.8	2.259	3.233	6.2	20.7
7 30	20 31.97	−38 35.1	2.263	3.235	6.2	20.7
8 9	20 22.32	−38 26.1	2.292	3.237	7.7	20.8
8 19	20 13.84	−37 59.8	2.348	3.239	10.0	21.0
8 29	20 7.33	−37 18.6	2.426	3.241	12.2	21.1

297045 2010 HB_{20} 7 28.8 359°.68 9°.5/22.4 18

6 20	20 54.48	−33 52.0	1.333	2.208	17.4	19.2
6 30	20 53.07	−35 51.1	1.276	2.204	14.2	18.9
7 10	20 48.38	−37 49.8	1.238	2.202	11.2	18.8
7 20	20 40.98	−39 36.3	1.222	2.201	9.5	18.7
7 30	20 32.07	−40 58.7	1.229	2.202	10.2	18.7
8 9	20 23.28	−41 49.2	1.258	2.203	12.6	18.9
8 19	20 16.21	−42 6.1	1.307	2.206	15.7	19.1
8 29	20 12.08	−41 52.4	1.374	2.211	18.7	19.3

509620 2008 FK_{20} 7 28.8 98°.35 8°.2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 7.89	−42 56.6	2.247	3.059	13.4	21.5
6 30	21 2.13	−43 46.2	2.181	3.061	11.3	21.3
7 10	20 53.67	−44 26.5	2.137	3.062	9.5	21.2
7 20	20 43.21	−44 50.7	2.117	3.064	8.3	21.1
7 30	20 31.81	−44 53.3	2.122	3.065	8.5	21.1
8 9	20 20.78	−44 32.2	2.152	3.066	9.8	21.2
8 19	20 11.27	−43 48.8	2.207	3.068	11.7	21.4
8 29	20 4.17	−42 46.7	2.282	3.069	13.7	21.5

94322 2001 FW_{111} 7 28.8 191°.07 3°.8/31.8 18

6 20	20 55.33	− 4 56.2	2.641	3.415	12.6	20.1
6 30	20 51.49	− 4 45.5	2.550	3.414	10.4	20.0
7 10	20 46.09	− 4 46.5	2.479	3.413	7.9	19.8
7 20	20 39.51	− 4 59.4	2.434	3.412	5.5	19.6
7 30	20 32.30	− 5 23.1	2.415	3.411	3.9	19.5
8 9	20 25.12	− 5 55.6	2.423	3.410	4.7	19.6
8 19	20 18.60	− 6 34.1	2.460	3.408	7.0	19.7
8 29	20 13.33	− 7 15.3	2.522	3.406	9.5	19.9

304740 2006 XC_{65} 7 28.8 180°.11 7°.2/ 4.3 18

6 20	20 56.16	+ 8 7.4	2.954	3.642	13.1	21.6
6 30	20 51.97	+ 8 44.1	2.862	3.643	11.6	21.5
7 10	20 46.34	+ 9 5.3	2.789	3.643	9.9	21.4
7 20	20 39.61	+ 9 9.2	2.738	3.644	8.4	21.3
7 30	20 32.29	+ 8 55.1	2.712	3.643	7.4	21.2
8 9	20 24.98	+ 8 24.0	2.712	3.643	7.4	21.2
8 19	20 18.26	+ 7 38.4	2.739	3.641	8.3	21.3
8 29	20 12.67	+ 6 41.9	2.790	3.640	9.8	21.4

505993 2015 GZ_{38} 7 28.8 150°.42 4°.0/31.8 17

6 20	20 58.05	− 4 41.5	1.939	2.727	16.1	21.2
6 30	20 54.20	− 4 57.3	1.857	2.732	13.2	21.0
7 10	20 48.24	− 5 31.1	1.794	2.736	9.9	20.8
7 20	20 40.64	− 6 22.2	1.755	2.741	6.4	20.6
7 30	20 32.16	− 7 27.7	1.742	2.745	4.1	20.5
8 9	20 23.73	− 8 42.8	1.756	2.748	5.4	20.6
8 19	20 16.26	−10 1.7	1.796	2.752	8.6	20.8
8 29	20 10.55	−11 18.8	1.862	2.755	12.0	21.0

477760 2010 XU_{47} 7 28.8 188°.77 2°.8/31.3 18

6 20	20 55.42	− 6 59.6	3.074	3.847	11.0	22.6
6 30	20 51.33	− 6 58.6	2.979	3.846	9.0	22.4
7 10	20 45.86	− 7 7.2	2.906	3.845	6.7	22.2
7 20	20 39.37	− 7 25.0	2.858	3.843	4.3	22.1
7 30	20 32.33	− 7 50.7	2.839	3.841	2.8	22.0
8 9	20 25.31	− 8 22.3	2.848	3.838	3.8	22.0
8 19	20 18.86	− 8 57.5	2.886	3.835	6.1	22.2
8 29	20 13.49	− 9 33.7	2.951	3.832	8.4	22.3

472101 2014 AF_{27} 7 28.8 266°.43 3°.7/30.2 18

6 20	21 3.77	−11 23.6	1.917	2.720	15.7	21.0
6 30	20 58.93	−10 36.1	1.813	2.701	12.8	20.8
7 10	20 51.65	− 9 56.4	1.730	2.683	9.4	20.6
7 20	20 42.39	− 9 25.0	1.670	2.663	5.9	20.3
7 30	20 31.93	− 9 2.1	1.637	2.644	3.7	20.1
8 9	20 21.35	− 8 46.9	1.632	2.624	5.8	20.2
8 19	20 11.74	− 8 37.9	1.653	2.604	9.6	20.4
8 29	20 4.07	− 8 33.4	1.698	2.583	13.3	20.6

432680 2011 BY_{31} 7 28.8 230°.49 1°.4/28.1 17

6 20	21 4.09	−20 58.5	2.019	2.842	14.3	23.0
6 30	20 59.14	−21 19.4	1.922	2.829	11.3	22.8
7 10	20 51.77	−21 46.1	1.846	2.816	7.7	22.5
7 20	20 42.42	−22 14.9	1.796	2.801	3.8	22.3
7 30	20 31.94	−22 41.6	1.773	2.786	1.6	22.1
8 9	20 21.39	−23 2.1	1.778	2.770	5.4	22.3
8 19	20 11.85	−23 13.9	1.809	2.753	9.4	22.5
8 29	20 4.30	−23 16.1	1.866	2.736	13.0	22.7

31349 Uria–Monzon 7 28.9 350°.42 2°.8/27.7 17

6 20	20 59.77	−22 12.4	1.125	1.997	20.1	19.6
6 30	20 57.29	−22 41.5	1.059	1.993	15.8	19.3
7 10	20 51.29	−23 19.5	1.009	1.990	10.8	19.0
7 20	20 42.40	−24 0.1	0.981	1.988	5.5	18.7
7 30	20 31.94	−24 35.4	0.974	1.986	3.2	18.5
8 9	20 21.67	−24 58.5	0.990	1.985	7.9	18.8
8 19	20 13.27	−25 6.2	1.028	1.985	13.2	19.1
8 29	20 8.03	−24 58.2	1.085	1.985	17.9	19.4

217373 2004 TZ_{202} 7 28.9 343°.92 9°.9/ 2.8 18

6 20	20 52.59	+ 2 53.3	1.691	2.464	18.6	18.8
6 30	20 50.37	+ 4 12.3	1.604	2.451	16.3	18.6
7 10	20 45.91	+ 5 12.6	1.534	2.438	13.8	18.4
7 20	20 39.64	+ 5 49.8	1.483	2.426	11.5	18.2
7 30	20 32.30	+ 6 0.7	1.455	2.415	10.1	18.1
8 9	20 24.91	+ 5 45.5	1.449	2.406	10.3	18.1
8 19	20 18.45	+ 5 7.2	1.465	2.397	12.1	18.2
8 29	20 13.85	+ 4 11.8	1.503	2.390	14.6	18.3

206122 2002 RV_{276} 7 28.9 345°.26 1°.2/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.33	−14 23.9	1.756	2.586	15.8	21.1
6 30	20 53.96	−14 28.2	1.674	2.583	12.6	20.9
7 10	20 48.25	−14 43.4	1.613	2.581	8.7	20.7
7 20	20 40.71	−15 7.5	1.575	2.578	4.5	20.4
7 30	20 32.18	−15 37.4	1.562	2.577	1.3	20.2
8 9	20 23.72	−16 8.8	1.576	2.575	4.9	20.5
8 19	20 16.36	−16 38.4	1.615	2.574	9.1	20.7
8 29	20 10.97	−17 3.0	1.678	2.573	12.9	20.9

385082 2012 UU_{114} 7 28.9 147°.87 4°.1/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.82	− 5 10.3	2.386	3.159	13.8	21.9
6 30	20 54.32	− 4 57.1	2.303	3.167	11.4	21.7
7 10	20 48.06	− 4 56.7	2.241	3.176	8.6	21.6
7 20	20 40.48	− 5 9.1	2.204	3.183	5.8	21.4
7 30	20 32.23	− 5 33.1	2.193	3.190	4.1	21.3
8 9	20 24.06	− 6 6.2	2.210	3.197	5.0	21.4
8 19	20 16.71	− 6 45.3	2.255	3.203	7.6	21.5
8 29	20 10.82	− 7 26.9	2.326	3.209	10.3	21.7

337112 1999 RP_{191} 7 28.9 316°.01 6°.6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 6.77	−34 27.2	1.711	2.551	15.8	20.3
6 30	21 1.80	−34 58.8	1.637	2.546	12.8	20.1
7 10	20 53.78	−35 25.7	1.582	2.542	9.6	19.9
7 20	20 43.41	−35 40.5	1.551	2.537	7.1	19.7
7 30	20 31.86	−35 37.2	1.545	2.533	6.8	19.7
8 9	20 20.61	−35 12.5	1.564	2.529	9.0	19.8
8 19	20 11.01	−34 27.4	1.608	2.525	12.2	20.0
8 29	20 4.10	−33 25.8	1.673	2.521	15.3	20.2

352262 2007 TU_{214} 7 28.9 302°.10 2°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.45	−23 1.4	1.797	2.640	15.0	21.2
6 30	20 55.81	−23 23.8	1.707	2.626	11.8	21.0
7 10	20 49.66	−23 51.1	1.638	2.611	8.1	20.7
7 20	20 41.46	−24 19.2	1.592	2.598	4.1	20.5
7 30	20 32.11	−24 43.2	1.572	2.584	2.5	20.3
8 9	20 22.74	−24 58.8	1.579	2.570	6.0	20.5
8 19	20 14.49	−25 3.7	1.611	2.557	10.1	20.7
8 29	20 8.37	−24 57.3	1.665	2.544	13.9	20.9

523797 2016 NM_{56} 7 28.9 2°.83 1°.9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.97	+ 7 50.7	12.692	13.335	3.5	22.9
6 30	20 44.51	+ 7 56.6	12.614	13.363	3.0	22.8
7 10	20 40.75	+ 7 58.6	12.559	13.391	2.6	22.8
7 20	20 36.80	+ 7 56.5	12.530	13.419	2.2	22.8
7 30	20 32.76	+ 7 50.6	12.530	13.447	1.9	22.8
8 9	20 28.74	+ 7 41.0	12.559	13.475	1.9	22.8
8 19	20 24.86	+ 7 28.3	12.617	13.504	2.1	22.8
8 29	20 21.21	+ 7 13.0	12.704	13.532	2.5	22.9

341027 2007 GP_{16} 7 28.9 9°.96 5°.7/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.18	− 7 32.7	1.232	2.073	20.6	20.6
6 30	20 52.21	− 6 50.2	1.168	2.075	16.9	20.3
7 10	20 47.42	− 6 26.6	1.120	2.079	12.7	20.1
7 20	20 40.42	− 6 23.2	1.093	2.084	8.5	19.9
7 30	20 32.26	− 6 39.3	1.087	2.091	5.8	19.7
8 9	20 24.31	− 7 10.9	1.103	2.098	7.4	19.9
8 19	20 17.82	− 7 52.3	1.142	2.107	11.3	20.1
8 29	20 13.82	− 8 37.3	1.202	2.117	15.4	20.4

42029 2000 YV_{88} 7 28.9 218°.77 0°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.97	−15 26.1	2.635	3.444	11.7	20.0
6 30	20 52.87	−15 40.8	2.540	3.438	9.2	19.8
7 10	20 47.11	−16 2.7	2.468	3.432	6.4	19.6
7 20	20 40.06	−16 29.9	2.422	3.426	3.2	19.4
7 30	20 32.32	−17 0.0	2.405	3.419	0.6	19.2
8 9	20 24.59	−17 30.0	2.415	3.412	3.7	19.4
8 19	20 17.55	−17 57.7	2.454	3.405	6.9	19.6
8 29	20 11.85	−18 21.0	2.519	3.398	9.8	19.8

344091 1999 LG_{7} 7 28.9 343°.45 3°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.22	−19 25.7	0.954	1.859	20.0	18.9
6 30	20 43.16	−20 36.7	0.875	1.830	15.8	18.6
7 10	20 42.04	−22 9.2	0.813	1.803	10.9	18.2
7 20	20 38.17	−23 56.9	0.769	1.779	5.6	17.8
7 30	20 32.53	−25 48.1	0.746	1.757	4.3	17.7
8 9	20 26.71	−27 29.0	0.742	1.739	9.4	17.9
8 19	20 22.42	−28 47.7	0.757	1.723	15.2	18.1
8 29	20 21.23	−29 37.4	0.789	1.710	20.5	18.4

250717 2005 SY_{9} 7 28.9 335°.15 3°.8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.42	−25 30.1	1.717	2.571	15.1	20.2
6 30	20 53.60	−26 15.8	1.635	2.560	11.9	19.9
7 10	20 48.23	−27 6.1	1.574	2.549	8.3	19.7
7 20	20 40.80	−27 55.5	1.536	2.538	4.8	19.5
7 30	20 32.22	−28 37.5	1.523	2.529	4.1	19.4
8 9	20 23.66	−29 6.9	1.536	2.520	7.1	19.6
8 19	20 16.28	−29 21.0	1.573	2.512	10.9	19.8
8 29	20 11.07	−29 19.3	1.632	2.504	14.4	20.0

496879 2000 SN_{214} 7 28.9 291°.10 3°.7/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 2.35	−24 45.7	1.373	2.230	18.0	21.0
6 30	20 59.02	−25 17.3	1.289	2.215	14.3	20.7
7 10	20 52.39	−25 54.7	1.224	2.200	9.9	20.4
7 20	20 42.99	−26 31.7	1.180	2.185	5.5	20.1
7 30	20 31.94	−27 0.6	1.161	2.170	4.0	20.0
8 9	20 20.82	−27 15.3	1.165	2.155	8.0	20.2
8 19	20 11.25	−27 13.3	1.193	2.140	12.8	20.4
8 29	20 4.56	−26 54.8	1.241	2.126	17.3	20.6

130963 2000 WD_{101} 7 28.9 185°.74 3°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.73	−24 39.6	2.157	2.989	13.2	19.5
6 30	20 56.37	−25 46.3	2.076	2.989	10.3	19.3
7 10	20 49.80	−26 58.0	2.019	2.988	7.1	19.1
7 20	20 41.47	−28 9.1	1.987	2.987	4.2	18.9
7 30	20 32.17	−29 13.5	1.983	2.986	3.6	18.9
8 9	20 22.87	−30 6.2	2.007	2.984	6.3	19.1
8 19	20 14.56	−30 44.0	2.057	2.982	9.5	19.3
8 29	20 8.08	−31 6.3	2.131	2.980	12.5	19.5

978 Aidamina 7 28.9 335°.00 13°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.09	+13 39.4	1.926	2.622	19.0	14.2
6 30	20 49.82	+15 5.1	1.835	2.605	17.5	14.0
7 10	20 45.49	+16 8.4	1.760	2.589	15.8	13.9
7 20	20 39.46	+16 43.6	1.702	2.574	14.3	13.7
7 30	20 32.42	+16 46.4	1.663	2.560	13.3	13.6
8 9	20 25.24	+16 16.1	1.645	2.546	13.0	13.6
8 19	20 18.87	+15 15.2	1.648	2.534	13.8	13.6
8 29	20 14.16	+13 49.8	1.671	2.522	15.2	13.7

123061 2000 SV_{302} 7 28.9 208°.70 6°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.67	− 1 9.8	2.102	2.864	15.8	20.5
6 30	20 55.37	− 0 27.0	2.011	2.860	13.4	20.3
7 10	20 49.02	+ 0 0.7	1.939	2.856	10.7	20.1
7 20	20 41.07	+ 0 11.4	1.889	2.851	8.1	19.9
7 30	20 32.22	+ 0 4.6	1.865	2.846	6.5	19.8
8 9	20 23.36	− 0 18.3	1.868	2.840	7.1	19.8
8 19	20 15.35	− 0 54.2	1.896	2.834	9.4	20.0
8 29	20 9.00	− 1 38.6	1.948	2.828	12.1	20.1

252004 2000 FR_{2} 7 28.9 233°.97 9°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 17.85	−45 14.9	2.101	2.899	14.7	20.1
6 30	21 10.71	−46 20.2	2.018	2.883	12.7	20.0
7 10	21 0.06	−47 15.6	1.956	2.867	10.9	19.8
7 20	20 46.56	−47 51.7	1.917	2.849	9.9	19.7
7 30	20 31.52	−48 0.1	1.903	2.831	10.2	19.7
8 9	20 16.67	−47 37.2	1.914	2.812	11.6	19.8
8 19	20 3.66	−46 44.3	1.949	2.792	13.8	19.9
8 29	19 53.75	−45 26.9	2.005	2.772	16.0	20.0

111498 2001 YN_{60} 7 28.9 278°.63 1°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.20	−20 33.9	2.152	2.982	13.3	20.3
6 30	20 54.34	−20 56.5	2.060	2.972	10.4	20.1
7 10	20 48.39	−21 25.0	1.990	2.962	7.1	19.9
7 20	20 40.79	−21 56.0	1.945	2.952	3.4	19.6
7 30	20 32.28	−22 25.8	1.928	2.941	1.4	19.5
8 9	20 23.77	−22 50.6	1.938	2.931	4.9	19.7
8 19	20 16.16	−23 8.1	1.974	2.921	8.5	19.9
8 29	20 10.26	−23 16.8	2.035	2.911	11.8	20.1

360373 2002 AQ_{202} 7 28.9 210°.11 0°.6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.39	−14 53.7	2.903	3.704	10.9	22.8
6 30	20 53.05	−15 10.9	2.804	3.697	8.6	22.7
7 10	20 47.17	−15 35.0	2.729	3.690	6.0	22.5
7 20	20 40.10	−16 4.4	2.679	3.682	3.0	22.3
7 30	20 32.38	−16 36.6	2.659	3.674	0.6	22.1
8 9	20 24.65	−17 9.0	2.668	3.665	3.4	22.3
8 19	20 17.53	−17 39.4	2.706	3.655	6.4	22.5
8 29	20 11.62	−18 5.8	2.770	3.646	9.1	22.6

264350 1999 XV_{232} 7 28.9 236°.29 12°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 9.45	+ 0 24.8	1.359	2.132	22.3	20.6
6 30	21 4.43	+ 2 40.5	1.272	2.122	19.6	20.3
7 10	20 56.06	+ 4 42.7	1.203	2.111	16.5	20.1
7 20	20 44.82	+ 6 23.3	1.153	2.099	13.7	19.9
7 30	20 31.76	+ 7 34.4	1.127	2.086	12.4	19.8
8 9	20 18.43	+ 8 11.9	1.123	2.073	13.3	19.8
8 19	20 6.47	+ 8 16.7	1.141	2.060	15.9	19.9
8 29	19 57.30	+ 7 54.5	1.179	2.045	19.2	20.1

325797 2010 RQ_{69} 7 28.9 262°.32 4°.4/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.00	− 8 16.0	1.536	2.352	18.3	21.3
6 30	20 56.49	− 7 53.8	1.448	2.343	15.1	21.1
7 10	20 50.29	− 7 47.5	1.379	2.333	11.2	20.8
7 20	20 41.87	− 7 57.6	1.331	2.323	7.1	20.6
7 30	20 32.16	− 8 23.0	1.308	2.314	4.5	20.4
8 9	20 22.37	− 8 59.9	1.309	2.304	6.5	20.5
8 19	20 13.76	− 9 43.6	1.335	2.294	10.6	20.7
8 29	20 7.41	−10 28.9	1.383	2.284	14.8	20.9

100031 1991 FM_2 7 28.9 187°.46 4°.5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.27	+ 2 32.4	3.562	4.276	10.6	21.6
6 30	20 51.04	+ 2 31.0	3.461	4.275	9.1	21.5
7 10	20 45.62	+ 2 17.2	3.381	4.273	7.4	21.3
7 20	20 39.31	+ 1 50.7	3.326	4.271	5.7	21.2
7 30	20 32.51	+ 1 12.2	3.299	4.268	4.6	21.1
8 9	20 25.71	+ 0 23.5	3.300	4.264	4.8	21.2
8 19	20 19.38	− 0 33.1	3.330	4.260	6.1	21.2
8 29	20 13.97	− 1 34.3	3.387	4.255	7.8	21.3

189144 2002 GF_7 7 28.9 60°.36 6°.4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.29	+ 5 24.8	2.210	2.940	15.9	19.6
6 30	20 51.69	+ 5 0.4	2.137	2.960	13.6	19.5
7 10	20 46.35	+ 4 13.7	2.083	2.979	11.1	19.4
7 20	20 39.72	+ 3 4.7	2.052	2.999	8.5	19.2
7 30	20 32.46	+ 1 35.6	2.046	3.019	6.7	19.2
8 9	20 25.35	− 0 8.7	2.067	3.039	6.6	19.2
8 19	20 19.08	− 2 1.7	2.116	3.059	8.3	19.3
8 29	20 14.31	− 3 56.5	2.191	3.079	10.6	19.5

264342 1999 XN_{49} 7 28.9 314°.09 2°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.05	−21 46.3	1.253	2.121	18.6	20.6
6 30	20 55.21	−22 17.6	1.162	2.096	14.9	20.3
7 10	20 50.08	−22 59.3	1.090	2.070	10.3	19.9
7 20	20 42.05	−23 46.3	1.038	2.045	5.3	19.6
7 30	20 32.14	−24 31.0	1.008	2.021	3.1	19.4
8 9	20 21.94	−25 5.8	1.002	1.997	7.9	19.6
8 19	20 13.13	−25 25.4	1.017	1.974	13.4	19.8
8 29	20 7.23	−25 28.1	1.052	1.952	18.4	20.0

145434 2005 QV_{84} 7 28.9 113°.37 0°.7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.30	−19 54.4	1.655	2.490	16.4	20.1
6 30	20 58.77	−19 58.9	1.581	2.495	12.9	19.8
7 10	20 51.59	−20 9.8	1.527	2.499	8.8	19.6
7 20	20 42.38	−20 23.6	1.497	2.503	4.2	19.3
7 30	20 32.14	−20 36.4	1.493	2.507	1.0	19.1
8 9	20 22.11	−20 44.6	1.515	2.512	5.5	19.4
8 19	20 13.45	−20 46.2	1.563	2.515	9.9	19.7
8 29	20 7.10	−20 40.4	1.634	2.519	13.7	20.0

236420 2006 DM_{96} 7 28.9 157°.45 1°.3/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.79	−13 21.0	2.111	2.922	14.2	21.7
6 30	20 55.43	−13 33.5	2.030	2.927	11.3	21.5
7 10	20 49.03	−13 56.4	1.969	2.931	7.9	21.3
7 20	20 41.08	−14 27.4	1.933	2.935	4.1	21.0
7 30	20 32.32	−15 3.5	1.925	2.939	1.3	20.8
8 9	20 23.64	−15 41.1	1.944	2.942	4.3	21.1
8 19	20 15.91	−16 16.8	1.991	2.945	8.0	21.3
8 29	20 9.88	−16 47.9	2.063	2.948	11.3	21.5

365548 2010 TP_3 7 28.9 238°.63 1°.9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.62	−20 56.0	2.649	3.472	11.3	21.2
6 30	20 52.77	−21 59.6	2.554	3.463	8.8	21.0
7 10	20 47.18	−23 10.0	2.484	3.454	6.0	20.8
7 20	20 40.20	−24 23.1	2.440	3.445	3.1	20.6
7 30	20 32.42	−25 34.3	2.426	3.435	2.1	20.5
8 9	20 24.56	−26 39.2	2.440	3.426	4.7	20.7
8 19	20 17.37	−27 34.2	2.483	3.416	7.7	20.9
8 29	20 11.52	−28 17.6	2.550	3.406	10.5	21.1

413314 2003 UF_{317} 7 28.9 111°.65 12°.3/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.15	+14 49.7	1.735	2.419	21.1	21.4
6 30	20 55.34	+15 32.1	1.666	2.433	19.1	21.3
7 10	20 49.18	+15 44.4	1.611	2.446	16.8	21.2
7 20	20 41.21	+15 22.2	1.574	2.459	14.6	21.1
7 30	20 32.31	+14 23.6	1.556	2.471	12.9	21.0
8 9	20 23.54	+12 51.5	1.562	2.483	12.3	21.0
8 19	20 15.91	+10 52.9	1.590	2.494	13.1	21.1
8 29	20 10.30	+ 8 37.7	1.641	2.506	14.8	21.2

387949 2005 EN_{231} 7 28.9 187°.53 1°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.48	−12 44.7	2.222	3.030	13.6	21.9
6 30	20 54.37	−13 3.5	2.134	3.029	10.9	21.7
7 10	20 48.31	−13 33.0	2.068	3.029	7.6	21.5
7 20	20 40.76	−14 11.2	2.026	3.028	4.0	21.3
7 30	20 32.39	−14 54.9	2.013	3.026	1.3	21.1
8 9	20 24.04	−15 40.4	2.027	3.025	4.2	21.3
8 19	20 16.54	−16 24.1	2.069	3.022	7.8	21.5
8 29	20 10.63	−17 3.1	2.135	3.020	11.0	21.7

139093 2001 FC_{34} 7 28.9 137°.55 0°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.87	−16 9.0	1.758	2.582	16.0	20.6
6 30	20 58.24	−16 31.1	1.685	2.591	12.6	20.3
7 10	20 51.15	−17 3.4	1.632	2.601	8.6	20.1
7 20	20 42.16	−17 42.6	1.604	2.609	4.2	19.9
7 30	20 32.21	−18 24.1	1.602	2.617	0.5	19.6
8 9	20 22.44	−19 3.2	1.628	2.625	5.1	20.0
8 19	20 13.90	−19 36.3	1.679	2.632	9.3	20.2
8 29	20 7.50	−20 1.1	1.755	2.639	13.0	20.5

312374 2008 EW_{27} 7 28.9 50°.18 0°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.10	−16 36.1	2.084	2.912	13.7	20.3
6 30	20 52.67	−17 27.2	2.007	2.917	10.7	20.1
7 10	20 47.23	−18 28.4	1.951	2.922	7.3	19.9
7 20	20 40.26	−19 35.9	1.921	2.927	3.4	19.7
7 30	20 32.46	−20 44.5	1.918	2.933	0.9	19.5
8 9	20 24.72	−21 49.2	1.943	2.939	4.6	19.8
8 19	20 17.90	−22 45.7	1.995	2.944	8.3	20.0
8 29	20 12.74	−23 31.4	2.072	2.950	11.6	20.2

424398 2007 YV_{67} 7 28.9 262°.26 0°.7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.39	−16 27.2	1.597	2.430	17.0	22.2
6 30	20 58.44	−16 26.2	1.504	2.415	13.6	22.0
7 10	20 51.68	−16 35.0	1.431	2.401	9.5	21.7
7 20	20 42.60	−16 51.2	1.381	2.386	4.7	21.4
7 30	20 32.15	−17 11.5	1.356	2.371	0.8	21.1
8 9	20 21.59	−17 31.5	1.357	2.355	5.6	21.4
8 19	20 12.22	−17 47.9	1.383	2.340	10.5	21.6
8 29	20 5.20	−17 58.5	1.431	2.324	14.9	21.8

239769 2010 CX_{56} 7 28.9 232°.43 0°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.61	−13 4.3	2.123	2.934	14.1	20.7
6 30	20 54.72	−13 46.1	2.025	2.924	11.2	20.5
7 10	20 48.73	−14 41.0	1.950	2.914	7.8	20.2
7 20	20 41.04	−15 46.1	1.899	2.902	3.9	20.0
7 30	20 32.35	−16 57.2	1.876	2.891	0.7	19.7
8 9	20 23.56	−18 8.8	1.881	2.879	4.5	20.0
8 19	20 15.58	−19 16.1	1.914	2.866	8.4	20.2
8 29	20 9.25	−20 15.3	1.972	2.853	11.9	20.4

444264 2005 UU_{265} 7 28.9 283°.35 0°.4/29.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.75	−15 49.3	2.249	3.068	13.1	22.8
6 30	20 53.14	−16 5.1	2.148	3.053	10.4	22.5
7 10	20 47.58	−16 29.4	2.070	3.037	7.2	22.3
7 20	20 40.47	−17 0.2	2.016	3.020	3.6	22.1
7 30	20 32.45	−17 34.5	1.989	3.004	0.5	21.8
8 9	20 24.35	−18 8.8	1.991	2.988	4.2	22.1
8 19	20 17.03	−18 39.9	2.019	2.972	8.0	22.3
8 29	20 11.26	−19 5.5	2.072	2.956	11.3	22.4

310021 2009 RU_3 7 28.9 272°.83 0°.2/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.98	−16 1.5	1.724	2.555	16.0	21.7
6 30	20 56.42	−16 20.8	1.625	2.536	12.8	21.4
7 10	20 50.26	−16 51.6	1.546	2.516	8.9	21.1
7 20	20 41.93	−17 31.3	1.490	2.496	4.4	20.8
7 30	20 32.25	−18 15.5	1.460	2.475	0.5	20.5
8 9	20 22.38	−18 59.2	1.457	2.454	5.4	20.8
8 19	20 13.52	−19 37.7	1.478	2.434	10.1	21.0
8 29	20 6.76	−20 8.0	1.523	2.412	14.3	21.2

478914 2012 XH_1 7 28.9 298°.21 4°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.12	−26 38.5	1.846	2.690	14.6	21.0
6 30	20 56.33	−27 26.5	1.767	2.685	11.5	20.8
7 10	20 50.02	−28 17.6	1.708	2.679	8.1	20.6
7 20	20 41.71	−29 6.2	1.674	2.674	4.9	20.4
7 30	20 32.30	−29 46.1	1.666	2.669	4.3	20.3
8 9	20 22.95	−30 12.4	1.684	2.663	7.1	20.5
8 19	20 14.78	−30 23.1	1.726	2.658	10.6	20.7
8 29	20 8.76	−30 18.2	1.792	2.653	13.9	20.9

314421 2005 UL_{398} 7 28.9 304°.81 5°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.79	−30 45.4	2.036	2.879	13.5	20.2
6 30	20 55.24	−31 52.1	1.953	2.868	10.8	20.0
7 10	20 49.27	−33 0.0	1.892	2.856	8.0	19.8
7 20	20 41.36	−34 2.5	1.856	2.845	5.8	19.7
7 30	20 32.34	−34 53.1	1.846	2.834	5.8	19.7
8 9	20 23.30	−35 26.8	1.862	2.823	8.0	19.8
8 19	20 15.32	−35 41.5	1.902	2.813	11.0	19.9
8 29	20 9.35	−35 37.6	1.965	2.802	13.8	20.1

264932 2002 VV_{34} 7 28.9 185°.99 8°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 10.38	−42 37.1	2.490	3.293	12.5	21.2
6 30	21 4.30	−44 19.0	2.422	3.293	10.7	21.1
7 10	20 55.47	−45 54.4	2.378	3.292	9.1	21.0
7 20	20 44.37	−47 15.3	2.360	3.291	8.4	20.9
7 30	20 31.97	−48 14.6	2.368	3.288	8.8	21.0
8 9	20 19.52	−48 48.0	2.401	3.284	10.2	21.0
8 19	20 8.29	−48 55.5	2.459	3.280	12.0	21.2
8 29	19 59.35	−48 39.7	2.537	3.274	13.8	21.3

392430 2010 OG_{76} 7 28.9 327°.45 18°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.03	+30 57.0	1.914	2.466	22.6	20.1
6 30	20 50.89	+32 14.9	1.831	2.453	21.9	19.9
7 10	20 46.42	+33 0.9	1.757	2.439	21.0	19.8
7 20	20 40.04	+33 7.6	1.694	2.427	20.0	19.7
7 30	20 32.51	+32 28.8	1.644	2.415	19.1	19.6
8 9	20 24.87	+31 2.4	1.609	2.404	18.4	19.5
8 19	20 18.18	+28 50.3	1.591	2.393	18.2	19.4
8 29	20 13.43	+25 59.7	1.591	2.383	18.5	19.4

521612 2015 PH_{320} 7 28.9 314°.41 2°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.36	− 8 58.7	2.311	3.112	13.4	21.0
6 30	20 51.11	− 9 14.3	2.219	3.107	10.8	20.8
7 10	20 46.10	− 9 42.6	2.149	3.102	7.8	20.6
7 20	20 39.71	−10 22.3	2.102	3.097	4.7	20.4
7 30	20 32.57	−11 11.1	2.083	3.092	2.4	20.2
8 9	20 25.43	−12 5.2	2.091	3.088	4.2	20.3
8 19	20 19.02	−13 0.8	2.126	3.083	7.4	20.5
8 29	20 14.02	−13 54.2	2.187	3.079	10.5	20.7

425615 2010 VX_{41} 7 28.9 248°.88 1°.9/27.9 17

6 20	21 2.80	−20 59.9	1.764	2.598	15.6	22.0
6 30	20 58.62	−21 34.6	1.669	2.583	12.3	21.7
7 10	20 51.75	−22 17.5	1.595	2.567	8.4	21.4
7 20	20 42.65	−23 3.9	1.545	2.551	4.2	21.2
7 30	20 32.19	−23 48.2	1.522	2.534	2.2	21.0
8 9	20 21.60	−24 24.8	1.525	2.517	6.1	21.2
8 19	20 12.12	−24 50.1	1.554	2.499	10.5	21.4
8 29	20 4.86	−25 2.5	1.605	2.480	14.5	21.6

361444 2007 BG_{30} 7 28.9 228°.15 1°.5/28.0 18

6 20	21 0.38	−22 50.6	2.364	3.188	12.4	20.8
6 30	20 55.78	−22 59.4	2.277	3.185	9.7	20.6
7 10	20 49.23	−23 10.8	2.213	3.183	6.6	20.4
7 20	20 41.21	−23 22.0	2.175	3.180	3.3	20.2
7 30	20 32.42	−23 30.0	2.164	3.177	1.6	20.1
8 9	20 23.72	−23 32.3	2.182	3.173	4.6	20.3
8 19	20 15.95	−23 27.6	2.227	3.170	7.9	20.5
8 29	20 9.81	−23 15.8	2.296	3.167	10.9	20.7

388997 2008 UW_{106} 7 28.9 194°.54 6°.9/24.0 16

6 20	21 5.10	−36 20.2	2.184	3.011	13.2	21.8
6 30	21 0.09	−37 32.6	2.111	3.009	10.9	21.6
7 10	20 52.51	−38 41.5	2.061	3.007	8.6	21.4
7 20	20 42.90	−39 39.7	2.035	3.004	7.1	21.4
7 30	20 32.20	−40 20.7	2.035	3.002	7.2	21.4
8 9	20 21.59	−40 40.5	2.062	2.998	9.0	21.5
8 19	20 12.21	−40 38.3	2.113	2.994	11.4	21.6
8 29	20 5.01	−40 16.3	2.186	2.990	13.7	21.8

456057 2006 AF_{37} 7 28.9 102°.77 1°.4/28.2 17

6 20	21 4.97	−19 14.1	1.440	2.281	18.1	21.6
6 30	21 0.38	−19 51.4	1.380	2.297	14.2	21.4
7 10	20 52.84	−20 38.4	1.340	2.313	9.5	21.2
7 20	20 43.06	−21 29.7	1.322	2.329	4.6	20.9
7 30	20 32.20	−22 18.4	1.330	2.344	1.7	20.8
8 9	20 21.69	−22 58.6	1.364	2.359	6.3	21.1
8 19	20 12.81	−23 26.8	1.422	2.373	10.8	21.4
8 29	20 6.57	−23 42.1	1.503	2.387	14.8	21.7

439734 2015 FS_{174} 7 28.9 327°.43 5°.2/25.6 18

6 20	20 58.27	−26 27.5	1.560	2.418	16.2	20.6
6 30	20 55.45	−27 47.1	1.485	2.411	12.8	20.3
7 10	20 49.77	−29 13.1	1.430	2.404	9.1	20.1
7 20	20 41.74	−30 37.6	1.399	2.397	5.9	19.9
7 30	20 32.35	−31 51.4	1.392	2.391	5.6	19.9
8 9	20 22.95	−32 47.1	1.411	2.386	8.7	20.0
8 19	20 14.87	−33 20.9	1.452	2.380	12.5	20.2
8 29	20 9.27	−33 32.7	1.515	2.376	16.0	20.4

255418 2005 XO_{36} 7 28.9 274°.09 4°.7/24.9 18

6 20	20 58.01	−29 11.3	2.332	3.169	12.2	20.1
6 30	20 54.29	−30 29.5	2.250	3.162	9.7	19.9
7 10	20 48.45	−31 50.0	2.191	3.155	7.0	19.7
7 20	20 40.94	−33 7.0	2.158	3.148	5.0	19.6
7 30	20 32.45	−34 14.2	2.152	3.141	5.0	19.6
8 9	20 23.92	−35 6.9	2.174	3.134	7.1	19.7
8 19	20 16.25	−35 42.5	2.221	3.127	9.8	19.8
8 29	20 10.29	−36 0.6	2.291	3.120	12.4	20.0

518190 2016 OW_{6} 7 28.9 23°.01 1°.3/29.3 16

6 20	21 3.49	−18 15.0	1.464	2.304	17.9	20.3
6 30	20 59.11	−17 30.8	1.396	2.311	14.2	20.0
7 10	20 51.91	−16 52.0	1.347	2.318	9.8	19.8
7 20	20 42.59	−16 17.6	1.321	2.325	5.0	19.6
7 30	20 32.27	−15 46.4	1.319	2.334	1.3	19.3
8 9	20 22.31	−15 17.1	1.344	2.343	5.6	19.6
8 19	20 13.90	−14 49.2	1.393	2.353	10.2	19.9
8 29	20 7.99	−14 22.0	1.465	2.363	14.3	20.2

345992 2007 TG_{174} 7 28.9 143°.27 2°.5/27.4 16

6 20	21 1.29	−24 17.6	2.176	3.006	13.2	21.5
6 30	20 56.67	−24 49.5	2.100	3.011	10.3	21.4
7 10	20 49.92	−25 24.4	2.047	3.017	7.0	21.2
7 20	20 41.56	−25 58.2	2.019	3.022	3.8	21.0
7 30	20 32.40	−26 26.4	2.018	3.026	2.7	20.9
8 9	20 23.37	−26 45.8	2.045	3.031	5.4	21.1
8 19	20 15.39	−26 54.5	2.099	3.035	8.7	21.3
8 29	20 9.22	−26 52.4	2.176	3.039	11.7	21.5

357773 2005 SU_{182} 7 28.9 228°.19 5°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 2.01	−32 45.1	2.323	3.153	12.4	20.9
6 30	20 57.31	−33 27.3	2.244	3.150	10.0	20.7
7 10	20 50.41	−34 7.3	2.189	3.147	7.4	20.5
7 20	20 41.82	−34 39.8	2.158	3.144	5.4	20.4
7 30	20 32.36	−35 0.0	2.155	3.141	5.3	20.4
8 9	20 23.03	−35 4.9	2.178	3.138	7.1	20.5
8 19	20 14.78	−34 53.9	2.227	3.135	9.7	20.7
8 29	20 8.39	−34 28.2	2.300	3.132	12.2	20.8

490200 2008 US_{339} 7 28.9 260°.44 1°.7/29.9 18

6 20	20 59.08	−12 50.8	1.990	2.804	14.8	22.5
6 30	20 55.23	−12 54.9	1.891	2.789	11.9	22.2
7 10	20 49.17	−13 10.1	1.813	2.775	8.4	22.0
7 20	20 41.32	−13 34.8	1.759	2.760	4.6	21.7
7 30	20 32.42	−14 6.6	1.732	2.745	1.7	21.5
8 9	20 23.42	−14 41.8	1.731	2.729	4.7	21.7
8 19	20 15.30	−15 16.7	1.758	2.714	8.7	21.9
8 29	20 8.95	−15 48.2	1.808	2.698	12.4	22.1

21328 Otashi 7 28.9 137°.03 4°.7/26.3 18

6 20	21 3.46	−26 47.7	1.580	2.428	16.4	18.3
6 30	20 59.33	−27 48.3	1.512	2.432	13.0	18.1
7 10	20 52.26	−28 52.8	1.464	2.435	9.1	17.9
7 20	20 42.86	−29 53.7	1.439	2.438	5.7	17.7
7 30	20 32.24	−30 43.1	1.439	2.441	5.1	17.7
8 9	20 21.78	−31 15.3	1.466	2.444	8.1	17.8
8 19	20 12.83	−31 27.9	1.516	2.446	11.9	18.1
8 29	20 6.45	−31 22.2	1.588	2.449	15.4	18.3

83424 2001 SC_{44} 7 28.9 11°.48 3°.6/27.1 17

6 20	20 58.34	−23 35.5	1.295	2.161	18.3	19.1
6 30	20 55.76	−24 21.9	1.231	2.162	14.3	18.8
7 10	20 50.04	−25 15.6	1.186	2.165	9.8	18.6
7 20	20 41.85	−26 9.5	1.163	2.168	5.3	18.3
7 30	20 32.37	−26 55.8	1.163	2.172	4.0	18.3
8 9	20 23.11	−27 27.9	1.187	2.177	7.8	18.5
8 19	20 15.49	−27 42.8	1.233	2.182	12.3	18.8
8 29	20 10.63	−27 40.4	1.300	2.188	16.4	19.1

176313 2001 SK_{192} 7 28.9 242°.07 0°.8/29.4 18

6 20	20 57.80	−14 45.9	2.146	2.964	13.7	21.1
6 30	20 53.97	−14 59.5	2.058	2.960	10.9	20.9
7 10	20 48.14	−15 22.5	1.991	2.956	7.5	20.7
7 20	20 40.75	−15 52.7	1.948	2.952	3.8	20.5
7 30	20 32.52	−16 27.1	1.933	2.947	0.8	20.2
8 9	20 24.30	−17 2.0	1.945	2.943	4.3	20.5
8 19	20 16.96	−17 34.3	1.984	2.939	8.0	20.7
8 29	20 11.26	−18 1.5	2.048	2.934	11.3	20.9

124288 2001 QS_{48} 7 28.9 306°.60 1°.0/29.4 18

6 20	20 56.80	−14 32.8	1.447	2.291	17.8	19.8
6 30	20 54.44	−14 43.6	1.349	2.267	14.4	19.5
7 10	20 49.25	−15 8.8	1.271	2.243	10.1	19.2
7 20	20 41.60	−15 46.5	1.214	2.219	5.2	18.9
7 30	20 32.39	−16 32.7	1.181	2.196	1.1	18.5
8 9	20 22.90	−17 21.5	1.172	2.172	6.0	18.8
8 19	20 14.53	−18 7.1	1.187	2.150	11.2	19.0
8 29	20 8.54	−18 45.2	1.224	2.128	16.0	19.2

206467 2003 TY_{58} 7 28.9 310°.33 3°.2/29.9 18

6 20	21 0.89	−13 40.5	1.625	2.452	17.0	20.5
6 30	20 57.25	−12 51.6	1.524	2.428	13.9	20.2
7 10	20 50.91	−12 9.7	1.441	2.404	10.1	19.9
7 20	20 42.31	−11 35.3	1.382	2.381	5.9	19.7
7 30	20 32.32	−11 8.2	1.347	2.358	3.2	19.4
8 9	20 22.14	−10 47.5	1.338	2.335	6.1	19.5
8 19	20 13.04	−10 32.2	1.354	2.312	10.6	19.7
8 29	20 6.16	−10 20.4	1.392	2.291	14.9	19.9

479177 2013 CE_{51} 7 28.9 278°.14 1°.2/29.8 18

6 20	20 57.41	−12 27.3	2.083	2.896	14.3	22.0
6 30	20 53.95	−12 53.6	1.974	2.873	11.5	21.8
7 10	20 48.35	−13 33.0	1.887	2.849	8.1	21.5
7 20	20 40.97	−14 23.7	1.823	2.825	4.3	21.2
7 30	20 32.49	−15 22.1	1.787	2.801	1.2	21.0
8 9	20 23.80	−16 23.6	1.778	2.776	4.6	21.2
8 19	20 15.84	−17 23.4	1.796	2.751	8.6	21.4
8 29	20 9.53	−18 17.6	1.839	2.726	12.4	21.5

141003 2001 WL_{31} 7 28.9 300°.88 0°.7/28.5 18

6 20	20 57.31	−18 33.1	1.983	2.816	14.2	20.3
6 30	20 53.88	−18 57.2	1.892	2.805	11.1	20.1
7 10	20 48.25	−19 29.4	1.823	2.794	7.6	19.9
7 20	20 40.88	−20 6.6	1.777	2.783	3.6	19.6
7 30	20 32.51	−20 44.7	1.758	2.773	0.9	19.4
8 9	20 24.12	−21 19.4	1.766	2.762	4.9	19.7
8 19	20 16.66	−21 47.4	1.801	2.752	8.9	19.9
8 29	20 11.01	−22 6.7	1.858	2.742	12.4	20.1

217649 1998 QH_{20} 7 28.9 338°.28 0°.4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.98	−18 51.2	1.716	2.557	15.6	19.4
6 30	20 54.71	−18 28.1	1.626	2.543	12.4	19.1
7 10	20 48.97	−18 10.1	1.556	2.529	8.6	18.9
7 20	20 41.27	−17 55.4	1.510	2.516	4.2	18.6
7 30	20 32.48	−17 42.0	1.488	2.503	0.6	18.3
8 9	20 23.72	−17 27.9	1.493	2.492	5.1	18.6
8 19	20 16.09	−17 11.6	1.522	2.482	9.5	18.8
8 29	20 10.54	−16 52.4	1.575	2.472	13.5	19.0

249376 2009 BM_{6} 7 28.9 66°.89 4°.1/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.82	− 9 33.7	1.292	2.122	20.4	20.4
6 30	20 58.08	− 9 12.2	1.231	2.135	16.5	20.2
7 10	20 51.38	− 9 8.2	1.188	2.148	12.0	20.0
7 20	20 42.42	− 9 21.4	1.166	2.162	7.2	19.7
7 30	20 32.35	− 9 48.9	1.167	2.175	4.1	19.6
8 9	20 22.61	−10 25.9	1.192	2.189	6.5	19.8
8 19	20 14.47	−11 6.9	1.241	2.203	10.9	20.1
8 29	20 8.95	−11 46.8	1.311	2.217	15.1	20.4

182125 2000 RK_{26} 7 28.9 284°.28 4°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.39	− 4 24.8	2.180	2.962	14.7	20.0
6 30	20 52.85	− 3 59.4	2.083	2.951	12.3	19.8
7 10	20 47.39	− 3 47.7	2.006	2.940	9.5	19.6
7 20	20 40.42	− 3 50.5	1.953	2.929	6.7	19.4
7 30	20 32.59	− 4 7.4	1.924	2.918	5.0	19.3
8 9	20 24.71	− 4 36.4	1.923	2.908	5.8	19.3
8 19	20 17.60	− 5 14.4	1.947	2.897	8.5	19.4
8 29	20 12.00	− 5 57.3	1.997	2.886	11.4	19.6

387802 2004 BO_{127} 7 28.9 307°.44 0°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.97	−19 22.4	1.802	2.640	15.2	20.9
6 30	20 55.40	−19 32.0	1.713	2.628	12.0	20.7
7 10	20 49.41	−19 48.6	1.645	2.617	8.2	20.4
7 20	20 41.48	−20 9.3	1.600	2.606	3.9	20.2
7 30	20 32.46	−20 30.1	1.581	2.595	0.9	19.9
8 9	20 23.44	−20 47.2	1.588	2.585	5.2	20.2
8 19	20 15.49	−20 58.0	1.621	2.574	9.5	20.4
8 29	20 9.57	−21 1.0	1.677	2.564	13.3	20.6

207243 2005 EU_{183} 7 28.9 308°.54 2°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.80	−22 26.2	1.810	2.650	15.0	20.8
6 30	20 56.06	−22 47.7	1.725	2.643	11.8	20.6
7 10	20 49.85	−23 14.3	1.662	2.635	8.0	20.4
7 20	20 41.69	−23 42.0	1.622	2.628	4.1	20.1
7 30	20 32.45	−24 6.2	1.608	2.620	2.2	20.0
8 9	20 23.26	−24 22.7	1.621	2.613	5.8	20.2
8 19	20 15.21	−24 29.2	1.659	2.606	9.8	20.4
8 29	20 9.25	−24 25.1	1.720	2.600	13.5	20.6

509150 2006 BB_{208} 7 28.9 233°.59 2°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.77	−11 13.9	2.313	3.108	13.5	22.3
6 30	20 56.23	−11 16.3	2.207	3.093	10.9	22.1
7 10	20 49.69	−11 29.1	2.123	3.078	7.9	21.8
7 20	20 41.55	−11 51.3	2.064	3.061	4.5	21.6
7 30	20 32.46	−12 20.9	2.033	3.044	2.1	21.4
8 9	20 23.26	−12 54.7	2.030	3.026	4.4	21.5
8 19	20 14.79	−13 29.8	2.055	3.007	7.9	21.7
8 29	20 7.87	−14 3.1	2.105	2.988	11.2	21.9

292485 2006 SZ_{399} 7 28.9 201°.21 0°.4/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.28	−16 7.4	1.845	2.667	15.5	22.5
6 30	20 57.85	−16 21.9	1.759	2.664	12.3	22.3
7 10	20 51.00	−16 46.2	1.693	2.661	8.5	22.1
7 20	20 42.23	−17 17.4	1.652	2.657	4.2	21.8
7 30	20 32.38	−17 51.8	1.638	2.653	0.5	21.5
8 9	20 22.57	−18 24.9	1.651	2.648	5.0	21.8
8 19	20 13.85	−18 53.4	1.690	2.643	9.2	22.1
8 29	20 7.16	−19 15.0	1.753	2.637	13.0	22.3

39207 2000 XQ_{20} 7 28.9 168°.33 6°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 5.06	−32 58.4	1.878	2.715	14.7	19.1
6 30	21 0.25	−33 50.0	1.808	2.716	11.8	18.9
7 10	20 52.70	−34 39.3	1.758	2.717	8.8	18.7
7 20	20 43.04	−35 19.2	1.732	2.718	6.5	18.6
7 30	20 32.30	−35 43.4	1.733	2.719	6.4	18.6
8 9	20 21.77	−35 48.0	1.759	2.719	8.5	18.7
8 19	20 12.65	−35 32.7	1.809	2.720	11.4	18.9
8 29	20 5.92	−34 59.9	1.882	2.720	14.3	19.1

208844 2002 RV_{171} 7 28.9 239°.31 5°.1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 4.65	−32 47.9	2.336	3.161	12.5	21.0
6 30	20 59.49	−33 28.4	2.246	3.149	10.1	20.8
7 10	20 51.99	−34 6.8	2.179	3.136	7.5	20.6
7 20	20 42.67	−34 37.9	2.137	3.123	5.5	20.5
7 30	20 32.34	−34 56.3	2.123	3.110	5.3	20.4
8 9	20 22.05	−34 59.0	2.135	3.096	7.2	20.5
8 19	20 12.82	−34 45.0	2.174	3.082	9.9	20.7
8 29	20 5.51	−34 15.8	2.236	3.067	12.6	20.8

56693 2000 LY_{20} 7 28.9 326°.94 6°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.58	− 5 43.5	1.553	2.361	18.5	17.7
6 30	20 55.31	− 4 50.6	1.469	2.354	15.5	17.4
7 10	20 49.47	− 4 13.0	1.404	2.347	12.0	17.2
7 20	20 41.56	− 3 53.0	1.360	2.341	8.5	17.0
7 30	20 32.48	− 3 51.4	1.339	2.335	6.3	16.9
8 9	20 23.39	− 4 6.3	1.343	2.330	7.5	16.9
8 19	20 15.45	− 4 34.1	1.371	2.325	10.8	17.1
8 29	20 9.69	− 5 9.8	1.421	2.320	14.5	17.3

257117 2008 GO_{81} 7 28.9 306°.16 4°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.22	− 2 49.6	2.339	3.110	14.1	20.8
6 30	20 51.72	− 2 36.0	2.250	3.109	11.8	20.6
7 10	20 46.50	− 2 36.9	2.180	3.108	9.2	20.5
7 20	20 39.95	− 2 52.8	2.135	3.107	6.6	20.3
7 30	20 32.68	− 3 22.8	2.115	3.106	4.9	20.2
8 9	20 25.43	− 4 4.4	2.122	3.105	5.5	20.2
8 19	20 18.92	− 4 54.1	2.156	3.104	7.8	20.4
8 29	20 13.81	− 5 47.8	2.214	3.103	10.5	20.6

25906 Morrell 7 28.9 217°.70 7°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.89	+11 33.1	3.171	3.830	12.7	19.8
6 30	20 51.05	+11 55.5	3.067	3.822	11.4	19.6
7 10	20 45.84	+12 1.5	2.982	3.813	10.0	19.5
7 20	20 39.59	+11 49.3	2.919	3.804	8.6	19.4
7 30	20 32.74	+11 18.1	2.879	3.794	7.7	19.3
8 9	20 25.86	+10 29.0	2.866	3.783	7.5	19.3
8 19	20 19.48	+ 9 24.6	2.878	3.773	8.2	19.4
8 29	20 14.13	+ 8 8.7	2.916	3.762	9.6	19.4

258689 2002 FO_{25} 7 28.9 63°.41 6°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.20	−32 32.6	2.080	2.918	13.4	19.8
6 30	20 56.85	−34 0.3	2.032	2.941	10.7	19.7
7 10	20 50.17	−35 25.7	2.007	2.964	8.0	19.5
7 20	20 41.75	−36 41.8	2.007	2.987	6.2	19.5
7 30	20 32.49	−37 42.0	2.034	3.011	6.4	19.5
8 9	20 23.48	−38 22.4	2.086	3.034	8.2	19.7
8 19	20 15.71	−38 42.1	2.164	3.057	10.6	19.9
8 29	20 9.98	−38 42.7	2.264	3.080	12.9	20.1

246435 2007 VQ_{112} 7 28.9 358°.33 0°.7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.25	−18 48.1	1.816	2.653	15.1	20.6
6 30	20 54.72	−19 10.0	1.737	2.652	11.8	20.3
7 10	20 48.86	−19 40.0	1.679	2.652	8.0	20.1
7 20	20 41.19	−20 14.7	1.645	2.651	3.9	19.9
7 30	20 32.55	−20 49.5	1.637	2.651	1.0	19.6
8 9	20 24.00	−21 20.2	1.655	2.652	5.1	19.9
8 19	20 16.56	−21 43.7	1.699	2.652	9.2	20.2
8 29	20 11.09	−21 58.3	1.766	2.653	12.8	20.4

519690 2013 AD_{186} 7 28.9 236°.42 2°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.53	−21 38.1	2.239	3.068	12.9	21.5
6 30	20 54.64	−22 31.2	2.149	3.061	10.1	21.3
7 10	20 48.70	−23 31.0	2.082	3.053	6.8	21.1
7 20	20 41.11	−24 33.1	2.040	3.045	3.5	20.9
7 30	20 32.58	−25 32.4	2.027	3.037	2.4	20.8
8 9	20 24.01	−26 24.2	2.041	3.028	5.3	21.0
8 19	20 16.28	−27 5.0	2.082	3.019	8.7	21.2
8 29	20 10.22	−27 33.4	2.147	3.010	11.8	21.4

433925 2015 CX_{2} 7 28.9 131°.57 0°.1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.26	−17 22.3	1.803	2.627	15.7	21.8
6 30	20 58.52	−17 37.2	1.730	2.637	12.3	21.6
7 10	20 51.37	−18 0.7	1.678	2.647	8.4	21.4
7 20	20 42.37	−18 29.4	1.650	2.656	4.1	21.2
7 30	20 32.45	−18 59.4	1.649	2.664	0.5	20.9
8 9	20 22.71	−19 26.4	1.676	2.673	5.0	21.3
8 19	20 14.22	−19 47.7	1.728	2.680	9.1	21.5
8 29	20 7.82	−20 1.6	1.805	2.688	12.8	21.8

108713 2001 OM_{22} 7 28.9 21°.03 1°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 6.59	−25 5.4	1.120	1.985	20.6	18.5
6 30	21 2.37	−24 21.2	1.063	1.993	16.3	18.2
7 10	20 54.52	−23 36.1	1.024	2.002	11.1	17.9
7 20	20 43.97	−22 47.2	1.005	2.012	5.5	17.7
7 30	20 32.27	−21 52.1	1.010	2.024	1.8	17.5
8 9	20 21.25	−20 51.0	1.038	2.037	6.9	17.8
8 19	20 12.44	−19 46.2	1.089	2.051	12.2	18.2
8 29	20 6.89	−18 40.5	1.161	2.065	16.7	18.5

104300 2000 ET_{174} 7 28.9 136°.77 2°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.07	− 8 34.7	2.512	3.294	13.0	21.4
6 30	20 55.25	− 8 26.6	2.432	3.307	10.5	21.3
7 10	20 48.74	− 8 28.9	2.375	3.320	7.7	21.1
7 20	20 40.99	− 8 40.9	2.342	3.332	4.8	21.0
7 30	20 32.63	− 9 1.1	2.338	3.343	2.9	20.9
8 9	20 24.38	− 9 27.1	2.362	3.354	4.2	21.0
8 19	20 16.94	− 9 56.2	2.414	3.365	7.0	21.2
8 29	20 10.93	−10 25.8	2.493	3.375	9.7	21.4

36891 2000 SJ_{168} 7 28.9 309°.47 5°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.98	− 3 0.4	2.031	2.812	15.6	18.8
6 30	20 52.70	− 2 23.1	1.935	2.799	13.2	18.6
7 10	20 47.41	− 2 0.5	1.858	2.787	10.4	18.4
7 20	20 40.51	− 1 54.1	1.804	2.775	7.7	18.2
7 30	20 32.67	− 2 4.3	1.775	2.763	6.0	18.1
8 9	20 24.77	− 2 29.5	1.771	2.752	6.7	18.1
8 19	20 17.68	− 3 6.5	1.793	2.741	9.2	18.3
8 29	20 12.21	− 3 50.8	1.839	2.730	12.2	18.4

117239 2004 SM_{18} 7 28.9 92°.64 1°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.16	−12 23.5	2.428	3.232	12.7	20.0
6 30	20 53.10	−12 25.8	2.350	3.242	10.1	19.9
7 10	20 47.35	−12 37.1	2.294	3.252	7.1	19.7
7 20	20 40.34	−12 55.9	2.263	3.262	3.9	19.5
7 30	20 32.71	−13 20.0	2.260	3.272	1.6	19.4
8 9	20 25.19	−13 46.8	2.285	3.282	3.8	19.5
8 19	20 18.48	−14 13.7	2.337	3.292	7.0	19.7
8 29	20 13.20	−14 38.5	2.415	3.302	9.8	19.9

23992 Markhobbs 7 28.9 287°.23 2°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.06	−23 7.5	1.482	2.331	17.3	19.2
6 30	20 59.48	−23 25.3	1.388	2.310	13.8	18.9
7 10	20 52.76	−23 49.1	1.314	2.289	9.5	18.6
7 20	20 43.36	−24 13.9	1.262	2.267	4.9	18.3
7 30	20 32.32	−24 33.6	1.234	2.246	2.8	18.1
8 9	20 21.10	−24 43.1	1.231	2.224	7.1	18.3
8 19	20 11.22	−24 39.6	1.253	2.203	12.0	18.5
8 29	20 3.99	−24 23.0	1.295	2.182	16.5	18.7

279741 1998 FL_{10} 7 28.9 150°.38 0°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.47	−15 34.9	2.102	2.916	14.1	21.6
6 30	20 56.80	−15 46.6	2.023	2.923	11.2	21.5
7 10	20 50.04	−16 6.8	1.965	2.930	7.7	21.2
7 20	20 41.70	−16 33.1	1.932	2.936	3.8	21.0
7 30	20 32.55	−17 2.4	1.927	2.942	0.7	20.8
8 9	20 23.52	−17 31.1	1.949	2.947	4.3	21.1
8 19	20 15.48	−17 56.4	1.999	2.952	8.1	21.3
8 29	20 9.21	−18 16.3	2.074	2.956	11.4	21.5

289486 2005 EH_{92} 7 28.9 53°.26 4°.2/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.08	− 6 4.2	1.740	2.543	17.0	20.6
6 30	20 53.65	− 6 3.5	1.674	2.559	13.9	20.5
7 10	20 48.02	− 6 20.2	1.627	2.574	10.3	20.3
7 20	20 40.75	− 6 53.5	1.602	2.590	6.7	20.1
7 30	20 32.68	− 7 40.7	1.603	2.607	4.2	20.0
8 9	20 24.80	− 8 37.2	1.629	2.623	5.5	20.1
8 19	20 18.03	− 9 37.8	1.681	2.640	8.9	20.3
8 29	20 13.16	−10 37.3	1.757	2.656	12.2	20.6

452244 2015 TC_{18} 7 28.9 249°.42 2°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.96	−24 9.2	2.558	3.387	11.5	20.5
6 30	20 53.22	−25 20.8	2.469	3.380	8.9	20.3
7 10	20 47.63	−26 37.5	2.404	3.373	6.2	20.1
7 20	20 40.59	−27 54.7	2.366	3.366	3.6	19.9
7 30	20 32.70	−29 7.1	2.356	3.359	3.2	19.9
8 9	20 24.73	−30 10.1	2.375	3.352	5.5	20.1
8 19	20 17.49	−31 0.5	2.422	3.345	8.4	20.2
8 29	20 11.69	−31 36.8	2.492	3.337	11.0	20.4

137728 1999 XP_{117} 7 28.9 312°.43 6°.7/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.50	−29 34.0	1.297	2.164	18.2	19.7
6 30	20 58.08	−30 32.7	1.215	2.144	14.7	19.4
7 10	20 52.15	−31 35.0	1.151	2.125	10.8	19.1
7 20	20 43.19	−32 32.0	1.109	2.106	7.4	18.9
7 30	20 32.37	−33 13.5	1.089	2.087	7.1	18.8
8 9	20 21.43	−33 31.8	1.093	2.069	10.4	18.9
8 19	20 12.13	−33 24.1	1.117	2.052	14.7	19.1
8 29	20 5.95	−32 52.5	1.161	2.036	18.9	19.3

171508 1998 MY_{13} 7 28.9 307°.42 4°.9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.56	− 8 4.3	1.768	2.573	16.7	19.8
6 30	20 55.80	− 7 18.2	1.678	2.564	13.8	19.6
7 10	20 49.68	− 6 44.1	1.608	2.555	10.4	19.3
7 20	20 41.66	− 6 23.3	1.560	2.547	7.0	19.1
7 30	20 32.58	− 6 16.0	1.538	2.539	4.9	19.0
8 9	20 23.48	− 6 20.6	1.541	2.531	6.4	19.0
8 19	20 15.41	− 6 34.5	1.569	2.523	9.8	19.2
8 29	20 9.29	− 6 54.1	1.620	2.515	13.3	19.4

335028 2004 PU_{92} 7 28.9 3°.00 4°.7/27.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.09	−29 1.5	1.128	2.004	19.8	20.2
6 30	20 58.41	−28 57.5	1.067	2.002	15.7	19.9
7 10	20 52.09	−28 50.8	1.023	2.001	11.1	19.6
7 20	20 42.94	−28 35.3	0.999	2.002	6.5	19.4
7 30	20 32.44	−28 5.6	0.997	2.005	4.9	19.3
8 9	20 22.42	−27 19.7	1.018	2.010	8.4	19.5
8 19	20 14.47	−26 19.2	1.060	2.015	13.2	19.8
8 29	20 9.73	−25 8.4	1.123	2.023	17.5	20.1

475987 2007 PC_{36} 7 28.9 316°.37 4°.0/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.01	− 7 29.3	1.520	2.345	18.1	20.4
6 30	20 52.30	− 7 35.1	1.401	2.302	15.1	20.1
7 10	20 47.93	− 8 1.6	1.301	2.259	11.4	19.7
7 20	20 41.14	− 8 50.4	1.221	2.216	7.1	19.4
7 30	20 32.61	−10 0.2	1.165	2.174	4.0	19.1
8 9	20 23.47	−11 26.0	1.133	2.132	6.4	19.1
8 19	20 15.05	−13 0.4	1.125	2.090	11.4	19.3
8 29	20 8.74	−14 34.8	1.138	2.049	16.4	19.4

24759 1992 WQ_1 7 28.9 256°.88 12°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.16	+10 0.6	1.923	2.627	18.8	17.8
6 30	20 56.14	+11 41.6	1.838	2.621	17.0	17.6
7 10	20 49.87	+13 2.9	1.770	2.616	15.0	17.5
7 20	20 41.76	+13 58.9	1.721	2.611	13.3	17.3
7 30	20 32.58	+14 25.2	1.695	2.606	12.2	17.3
8 9	20 23.30	+14 20.9	1.690	2.600	12.2	17.2
8 19	20 14.92	+13 48.5	1.708	2.595	13.3	17.3
8 29	20 8.37	+12 53.4	1.747	2.589	15.0	17.4

126926 2002 EZ_{136} 7 28.9 273°.89 0°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.09	−15 51.5	1.779	2.609	15.6	20.1
6 30	20 55.49	−16 8.9	1.694	2.604	12.4	19.9
7 10	20 49.49	−16 36.9	1.629	2.599	8.5	19.6
7 20	20 41.58	−17 12.8	1.588	2.594	4.2	19.4
7 30	20 32.61	−17 52.5	1.573	2.589	0.5	19.1
8 9	20 23.64	−18 31.4	1.585	2.583	5.0	19.4
8 19	20 15.76	−19 5.5	1.622	2.578	9.3	19.6
8 29	20 9.88	−19 32.2	1.683	2.573	13.2	19.9

40133 1998 QF_{53} 7 28.9 0°.76 1°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.83	−13 34.1	1.943	2.765	14.8	18.0
6 30	20 53.38	−13 20.1	1.861	2.764	11.8	17.8
7 10	20 47.84	−13 15.3	1.800	2.763	8.3	17.6
7 20	20 40.70	−13 18.8	1.763	2.763	4.6	17.3
7 30	20 32.72	−13 28.6	1.751	2.764	1.9	17.2
8 9	20 24.83	−13 42.1	1.767	2.765	4.6	17.3
8 19	20 17.92	−13 56.6	1.808	2.766	8.3	17.6
8 29	20 12.77	−14 9.8	1.873	2.768	11.8	17.8

245247 2004 YP 7 28.9 217°.25 10°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 18.12	−52 44.1	2.458	3.227	13.6	21.2
6 30	21 10.97	−54 3.1	2.392	3.218	12.3	21.1
7 10	21 0.32	−55 9.1	2.346	3.208	11.3	21.0
7 20	20 46.89	−55 53.4	2.323	3.198	10.9	20.9
7 30	20 32.00	−56 9.0	2.323	3.188	11.2	20.9
8 9	20 17.39	−55 53.1	2.346	3.177	12.2	21.0
8 19	20 4.68	−55 7.3	2.391	3.165	13.6	21.1
8 29	19 55.09	−53 56.9	2.454	3.152	15.1	21.2

360990 2005 UC_{363} 7 28.9 190°.52 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.98	−17 46.3	2.584	3.399	11.8	22.4
6 30	20 53.77	−18 4.3	2.496	3.398	9.2	22.3
7 10	20 47.86	−18 28.3	2.430	3.397	6.3	22.1
7 20	20 40.65	−18 56.1	2.390	3.395	3.0	21.9
7 30	20 32.75	−19 24.8	2.379	3.394	0.4	21.6
8 9	20 24.89	−19 51.4	2.396	3.392	3.8	21.9
8 19	20 17.78	−20 13.9	2.441	3.390	7.0	22.1
8 29	20 12.05	−20 30.5	2.512	3.387	9.9	22.3

479070 2013 AY_{84} 7 28.9 337°.89 1°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.44	−19 57.1	1.855	2.692	14.8	21.6
6 30	20 54.89	−20 17.1	1.773	2.689	11.6	21.4
7 10	20 49.02	−20 44.1	1.713	2.685	7.9	21.2
7 20	20 41.33	−21 14.4	1.676	2.682	3.8	20.9
7 30	20 32.67	−21 43.9	1.665	2.679	1.3	20.7
8 9	20 24.08	−22 8.6	1.681	2.677	5.2	21.0
8 19	20 16.56	−22 25.5	1.723	2.674	9.2	21.2
8 29	20 11.00	−22 33.4	1.788	2.672	12.8	21.5

428613 2008 EK_{160} 7 28.9 33°.12 0°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.70	−13 19.6	1.259	2.111	19.6	21.1
6 30	20 54.32	−14 0.8	1.199	2.121	15.5	20.9
7 10	20 49.02	−15 0.2	1.157	2.131	10.6	20.6
7 20	20 41.43	−16 13.5	1.136	2.142	5.3	20.4
7 30	20 32.67	−17 33.1	1.139	2.154	0.7	20.1
8 9	20 24.14	−18 50.5	1.166	2.166	5.9	20.5
8 19	20 17.13	−19 58.6	1.216	2.179	11.0	20.8
8 29	20 12.69	−20 52.9	1.288	2.192	15.4	21.1

380866 2006 BP_{217} 7 28.9 156°.45 5°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.32	− 3 15.3	2.212	2.974	15.1	21.0
6 30	20 57.31	− 2 28.5	2.128	2.980	12.6	20.9
7 10	20 50.34	− 1 54.7	2.064	2.986	9.9	20.7
7 20	20 41.88	− 1 35.4	2.025	2.992	7.3	20.5
7 30	20 32.63	− 1 30.8	2.011	2.997	5.7	20.5
8 9	20 23.47	− 1 39.7	2.025	3.001	6.4	20.5
8 19	20 15.21	− 1 59.5	2.066	3.005	8.7	20.7
8 29	20 8.57	− 2 26.8	2.132	3.008	11.4	20.8

94329 2001 FG_{156} 7 28.9 112.°00 0.°2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.81	−17 53.9	2.567	3.382	11.8	20.3
6 30	20 53.57	−18 12.2	2.489	3.392	9.2	20.1
7 10	20 47.68	−18 36.3	2.435	3.402	6.3	20.0
7 20	20 40.55	−19 3.8	2.407	3.412	3.0	19.8
7 30	20 32.81	−19 31.8	2.406	3.421	0.5	19.6
8 9	20 25.18	−19 57.6	2.435	3.431	3.8	19.9
8 19	20 18.34	−20 19.0	2.491	3.440	6.9	20.1
8 29	20 12.91	−20 34.6	2.573	3.449	9.7	20.3

148955 2001 XQ_{204} 7 28.9 332.°79 2.°0/30.1 18

6 20	20 54.07	−11 50.0	1.335	2.183	18.9	19.2
6 30	20 52.36	−12 4.3	1.252	2.170	15.2	18.9
7 10	20 47.85	−12 36.8	1.187	2.157	10.8	18.6
7 20	20 40.99	−13 26.1	1.142	2.146	5.9	18.3
7 30	20 32.74	−14 27.5	1.121	2.135	2.0	18.0
8 9	20 24.40	−15 34.4	1.124	2.125	5.9	18.3
8 19	20 17.31	−16 39.5	1.150	2.116	11.0	18.5
8 29	20 12.64	−17 36.8	1.197	2.109	15.7	18.8

397019 2005 TW_{124} 7 28.9 318.°07 5.°1/ 1.0 18

6 20	20 55.00	− 4 44.7	1.937	2.732	15.8	20.8
6 30	20 52.09	− 4 20.9	1.841	2.717	13.2	20.6
7 10	20 47.11	− 4 12.2	1.764	2.703	10.2	20.3
7 20	20 40.45	− 4 19.8	1.709	2.690	7.2	20.1
7 30	20 32.82	− 4 43.2	1.680	2.676	5.2	20.0
8 9	20 25.10	− 5 19.9	1.675	2.663	6.2	20.0
8 19	20 18.22	− 6 6.2	1.696	2.651	9.1	20.2
8 29	20 13.01	− 6 57.2	1.741	2.639	12.4	20.4

423084 2003 YU_{36} 7 28.9 232.°32 1.°8/27.9 17

6 20	21 2.68	−20 36.9	1.781	2.614	15.5	22.1
6 30	20 58.49	−21 13.8	1.691	2.605	12.2	21.9
7 10	20 51.69	−21 58.9	1.623	2.595	8.3	21.6
7 20	20 42.74	−22 47.8	1.579	2.584	4.1	21.3
7 30	20 32.55	−23 34.6	1.561	2.574	2.0	21.2
8 9	20 22.30	−24 14.0	1.570	2.562	5.9	21.4
8 19	20 13.17	−24 42.2	1.605	2.551	10.2	21.6
8 29	20 6.21	−24 57.9	1.663	2.538	14.1	21.8

94003 2000 XZ_{23} 7 28.9 218.°08 1.°2/28.4 18

6 20	21 3.36	−21 36.6	1.936	2.764	14.6	19.9
6 30	20 58.64	−21 42.4	1.851	2.761	11.5	19.6
7 10	20 51.52	−21 52.4	1.787	2.757	7.8	19.4
7 20	20 42.55	−22 3.4	1.748	2.754	3.8	19.2
7 30	20 32.59	−22 11.7	1.736	2.750	1.4	19.0
8 9	20 22.72	−22 14.2	1.751	2.746	5.2	19.2
8 19	20 14.00	−22 9.5	1.793	2.741	9.2	19.5
8 29	20 7.31	−21 57.2	1.859	2.737	12.7	19.7

105242 2000 PY_{24} 7 28.9 296.°58 3.°4/27.2 18

6 20	20 59.31	−21 47.1	1.348	2.208	18.1	19.0
6 30	20 56.96	−22 41.1	1.254	2.182	14.4	18.7
7 10	20 51.37	−23 47.9	1.179	2.157	10.0	18.4
7 20	20 42.90	−25 1.3	1.125	2.131	5.3	18.0
7 30	20 32.51	−26 12.6	1.096	2.106	3.7	17.9
8 9	20 21.74	−27 12.4	1.090	2.080	8.2	18.0
8 19	20 12.23	−27 54.5	1.106	2.055	13.4	18.3
8 29	20 5.50	−28 16.1	1.143	2.031	18.2	18.5

269529 2009 VG_{48} 7 28.9 101.°03 0.°8/29.5 17

6 20	21 0.04	−14 17.1	1.739	2.565	16.1	21.4
6 30	20 56.14	−14 38.6	1.666	2.573	12.8	21.2
7 10	20 49.87	−15 12.1	1.614	2.581	8.8	21.0
7 20	20 41.75	−15 54.6	1.584	2.588	4.4	20.8
7 30	20 32.69	−16 42.0	1.581	2.596	0.8	20.5
8 9	20 23.76	−17 29.0	1.605	2.603	4.9	20.8
8 19	20 16.00	−18 11.6	1.654	2.611	9.1	21.1
8 29	20 10.28	−18 46.6	1.727	2.618	12.9	21.3

354698 2005 QS_{175} 7 28.9 326.°43 5.°2/25.9 18

6 20	21 1.04	−31 18.6	1.969	2.810	13.9	20.6
6 30	20 57.04	−32 2.3	1.891	2.804	11.1	20.4
7 10	20 50.54	−32 44.9	1.834	2.798	8.2	20.2
7 20	20 42.11	−33 20.6	1.802	2.792	5.8	20.1
7 30	20 32.65	−33 43.6	1.795	2.787	5.5	20.0
8 9	20 23.30	−33 50.3	1.814	2.782	7.7	20.2
8 19	20 15.15	−33 39.6	1.858	2.777	10.7	20.3
8 29	20 9.12	−33 12.9	1.925	2.773	13.6	20.5

25458 1999 XT_{13} 7 28.9 267.°50 1.°1/29.6 18

6 20	20 59.46	−13 1.0	1.685	2.510	16.6	18.4
6 30	20 56.13	−13 28.8	1.587	2.492	13.3	18.2
7 10	20 50.21	−14 12.1	1.508	2.474	9.4	17.9
7 20	20 42.11	−15 8.4	1.452	2.456	4.9	17.6
7 30	20 32.63	−16 13.4	1.422	2.437	1.1	17.3
8 9	20 22.93	−17 20.8	1.419	2.418	5.3	17.5
8 19	20 14.21	−18 24.6	1.441	2.398	10.1	17.7
8 29	20 7.59	−19 20.1	1.486	2.379	14.4	18.0

87061 2000 KP_{45} 7 28.9 353.°99 3.°7/31.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.78	− 7 54.6	1.925	2.729	15.6	19.8
6 30	20 53.39	− 7 45.2	1.841	2.728	12.7	19.6
7 10	20 47.91	− 7 49.7	1.777	2.727	9.4	19.4
7 20	20 40.80	− 8 8.1	1.736	2.727	6.0	19.1
7 30	20 32.81	− 8 38.4	1.721	2.726	3.7	19.0
8 9	20 24.86	− 9 17.4	1.732	2.726	5.2	19.1
8 19	20 17.84	−10 1.0	1.768	2.726	8.6	19.3
8 29	20 12.56	−10 45.2	1.829	2.726	11.9	19.5

264398 2000 EY_{115} 7 28.9 185.°91 1.°3/29.8 17

6 20	21 1.55	−13 13.9	1.954	2.765	15.1	21.8
6 30	20 57.14	−13 29.0	1.868	2.766	12.1	21.6
7 10	20 50.49	−13 55.5	1.803	2.765	8.4	21.4
7 20	20 42.06	−14 31.3	1.762	2.764	4.4	21.1
7 30	20 32.66	−15 12.9	1.749	2.763	1.3	20.9
8 9	20 23.29	−15 56.0	1.763	2.761	4.6	21.1
8 19	20 14.93	−16 36.9	1.803	2.758	8.6	21.4
8 29	20 8.42	−17 12.3	1.869	2.755	12.3	21.6

136178 2003 UJ_{146} 7 28.9 353.°23 5.°1/31.6 18

6 20	20 54.21	− 6 57.7	1.176	2.019	21.2	19.3
6 30	20 52.66	− 6 44.4	1.104	2.014	17.5	19.1
7 10	20 48.13	− 6 53.9	1.049	2.010	13.1	18.8
7 20	20 41.14	− 7 27.0	1.013	2.007	8.4	18.5
7 30	20 32.76	− 8 21.2	0.998	2.005	5.2	18.3
8 9	20 24.42	− 9 29.9	1.006	2.005	7.1	18.4
8 19	20 17.52	−10 45.2	1.036	2.005	11.7	18.7
8 29	20 13.24	−11 58.6	1.086	2.006	16.3	19.0

429542 2011 CF_5 7 28.9 208.°13 0.°2/28.9 17

6 20	21 2.55	−17 27.8	1.963	2.784	14.7	22.4
6 30	20 58.01	−17 47.3	1.874	2.779	11.6	22.2
7 10	20 51.14	−18 15.3	1.806	2.774	8.0	22.0
7 20	20 42.40	−18 48.9	1.762	2.768	3.9	21.7
7 30	20 32.63	−19 23.9	1.746	2.761	0.5	21.4
8 9	20 22.85	−19 56.2	1.757	2.754	4.9	21.7
8 19	20 14.09	−20 22.6	1.796	2.746	9.0	22.0
8 29	20 7.26	−20 41.2	1.858	2.738	12.6	22.2

31628 Vorperian 7 28.9 72.°33 3.°3/27.3 18

6 20	21 3.23	−24 50.0	1.605	2.450	16.4	18.8
6 30	20 58.94	−25 25.2	1.541	2.461	12.8	18.5
7 10	20 51.89	−26 4.1	1.498	2.471	8.8	18.3
7 20	20 42.75	−26 40.9	1.479	2.482	4.8	18.1
7 30	20 32.60	−27 9.6	1.485	2.493	3.5	18.1
8 9	20 22.74	−27 25.9	1.516	2.503	6.8	18.3
8 19	20 14.37	−27 28.0	1.573	2.514	10.7	18.6
8 29	20 8.43	−27 16.8	1.651	2.525	14.2	18.8

246399 2007 UN_{61} 7 28.9 3.°71 1.°8/29.9 17

6 20	20 58.57	−13 11.5	1.816	2.638	15.7	20.9
6 30	20 54.94	−13 7.5	1.735	2.638	12.5	20.6
7 10	20 49.04	−13 14.5	1.674	2.638	8.8	20.4
7 20	20 41.37	−13 31.0	1.637	2.638	4.8	20.2
7 30	20 32.76	−13 54.3	1.626	2.639	1.8	20.0
8 9	20 24.24	−14 20.9	1.641	2.639	4.8	20.2
8 19	20 16.77	−14 47.5	1.682	2.640	8.8	20.4
8 29	20 11.22	−15 11.2	1.746	2.641	12.5	20.7

126412 2002 BQ_{19} 7 28.9 264.°02 1.°2/28.2 18

6 20	20 59.92	−18 18.8	1.934	2.762	14.6	20.6
6 30	20 56.22	−19 3.0	1.832	2.743	11.6	20.3
7 10	20 50.12	−19 57.8	1.753	2.724	7.9	20.1
7 20	20 42.02	−20 59.5	1.698	2.704	3.8	19.8
7 30	20 32.68	−22 2.5	1.669	2.683	1.4	19.5
8 9	20 23.13	−23 1.2	1.668	2.662	5.4	19.8
8 19	20 14.47	−23 50.8	1.694	2.641	9.7	20.0
8 29	20 7.71	−24 28.5	1.743	2.620	13.5	20.2

283107 2008 UX_{261} 7 28.9 350.°17 1.°6/29.8 17

6 20	20 56.58	−13 23.4	1.526	2.365	17.4	20.5
6 30	20 53.88	−13 30.4	1.448	2.361	13.9	20.3
7 10	20 48.59	−13 51.1	1.388	2.357	9.8	20.0
7 20	20 41.26	−14 23.6	1.351	2.355	5.2	19.7
7 30	20 32.78	−15 4.0	1.338	2.352	1.6	19.5
8 9	20 24.36	−15 47.2	1.351	2.351	5.3	19.7
8 19	20 17.14	−16 28.4	1.387	2.350	9.9	20.0
8 29	20 12.12	−17 3.7	1.446	2.349	14.1	20.3

320330 2007 TQ_{92} 7 28.9 323.°76 5.°9/26.3 18

6 20	20 56.21	−26 12.6	1.081	1.964	19.8	19.9
6 30	20 55.21	−27 10.7	1.002	1.943	15.9	19.6
7 10	20 50.53	−28 17.3	0.941	1.923	11.3	19.3
7 20	20 42.59	−29 23.9	0.900	1.903	7.1	19.0
7 30	20 32.60	−30 19.2	0.880	1.885	6.4	18.9
8 9	20 22.42	−30 53.5	0.881	1.867	10.4	19.0
8 19	20 13.98	−31 1.9	0.901	1.851	15.5	19.3
8 29	20 8.91	−30 44.9	0.940	1.836	20.4	19.5

42151 2001 BD_{54} 7 28.9 18°.43 1°.8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.44	−10 19.5	2.029	2.843	14.6	18.4
6 30	20 51.47	−10 51.2	1.949	2.846	11.6	18.2
7 10	20 46.56	−11 37.0	1.890	2.850	8.2	18.0
7 20	20 40.15	−12 34.7	1.855	2.854	4.6	17.8
7 30	20 32.93	−13 40.5	1.846	2.859	1.8	17.6
8 9	20 25.77	−14 49.4	1.865	2.864	4.3	17.8
8 19	20 19.47	−15 56.5	1.910	2.869	7.9	18.1
8 29	20 14.79	−16 57.6	1.980	2.874	11.3	18.3

126941 2002 FL 7 28.9 145°.19 1°.6/30.2 18

6 20	21 0.63	−11 4.3	2.491	3.281	12.8	20.4
6 30	20 55.80	−11 25.5	2.410	3.294	10.2	20.3
7 10	20 49.22	−11 57.1	2.353	3.307	7.2	20.1
7 20	20 41.35	−12 37.2	2.321	3.318	4.0	19.9
7 30	20 32.81	−13 22.9	2.317	3.329	1.6	19.7
8 9	20 24.36	−14 10.7	2.343	3.340	3.8	19.9
8 19	20 16.72	−14 57.4	2.397	3.349	7.0	20.1
8 29	20 10.54	−15 40.1	2.478	3.358	9.9	20.3

416787 2005 GY_{56} 7 28.9 94°.17 1°.5/28.2 17

6 20	21 3.61	−19 40.2	1.527	2.367	17.3	21.6
6 30	20 59.27	−20 13.5	1.464	2.381	13.5	21.4
7 10	20 52.15	−20 55.6	1.422	2.395	9.1	21.2
7 20	20 42.91	−21 41.4	1.402	2.409	4.4	20.9
7 30	20 32.64	−22 24.7	1.408	2.422	1.7	20.8
8 9	20 22.65	−23 0.2	1.440	2.435	6.0	21.1
8 19	20 14.16	−23 24.7	1.497	2.448	10.4	21.4
8 29	20 8.13	−23 37.1	1.577	2.461	14.2	21.7

381929 2010 CF_{144} 7 28.9 235°.80 2°.2/27.4 18

6 20	21 1.39	−21 54.8	2.186	3.011	13.3	21.3
6 30	20 57.06	−22 43.1	2.089	2.998	10.4	21.0
7 10	20 50.50	−23 38.1	2.014	2.984	7.1	20.8
7 20	20 42.15	−24 35.5	1.965	2.969	3.7	20.6
7 30	20 32.71	−25 29.9	1.944	2.954	2.4	20.5
8 9	20 23.16	−26 16.6	1.951	2.938	5.5	20.6
8 19	20 14.47	−26 52.1	1.985	2.922	9.1	20.8
8 29	20 7.54	−27 15.0	2.043	2.905	12.4	21.0

478394 2012 BC_{66} 7 28.9 159°.20 1°.6/30.2 18

6 20	20 57.24	−12 14.4	2.751	3.547	11.6	22.2
6 30	20 53.04	−12 16.6	2.664	3.551	9.3	22.0
7 10	20 47.30	−12 26.8	2.599	3.555	6.5	21.8
7 20	20 40.42	−12 43.8	2.560	3.558	3.6	21.6
7 30	20 32.93	−13 5.8	2.550	3.562	1.6	21.5
8 9	20 25.50	−13 30.3	2.568	3.564	3.5	21.6
8 19	20 18.76	−13 55.3	2.614	3.567	6.4	21.8
8 29	20 13.27	−14 18.6	2.687	3.569	9.1	22.0

305462 2008 DO_{24} 7 28.9 79°.07 2°.4/27.5 18

6 20	20 59.44	−23 42.4	2.146	2.980	13.2	20.3
6 30	20 55.36	−24 15.3	2.070	2.983	10.3	20.1
7 10	20 49.18	−24 51.9	2.015	2.986	7.0	19.9
7 20	20 41.41	−25 28.1	1.985	2.989	3.7	19.7
7 30	20 32.82	−25 59.6	1.983	2.992	2.6	19.6
8 9	20 24.33	−26 22.6	2.008	2.996	5.4	19.8
8 19	20 16.86	−26 35.3	2.059	2.999	8.7	20.0
8 29	20 11.14	−26 37.2	2.135	3.002	11.7	20.2

84110 2002 RQ_{18} 7 28.9 310°.44 3°.6/31.3 18

6 20	20 54.85	− 7 18.5	1.746	2.558	16.6	19.6
6 30	20 52.32	− 7 28.0	1.648	2.541	13.7	19.4
7 10	20 47.49	− 7 55.4	1.570	2.524	10.1	19.1
7 20	20 40.76	− 8 40.5	1.514	2.507	6.3	18.9
7 30	20 32.88	− 9 40.8	1.482	2.490	3.6	18.7
8 9	20 24.84	−10 51.3	1.477	2.474	5.5	18.8
8 19	20 17.69	−12 6.2	1.497	2.458	9.4	19.0
8 29	20 12.41	−13 19.3	1.540	2.443	13.4	19.2

295057 2008 EM_{116} 7 28.9 214°.34 2°.8/30.7 18

6 20	21 0.88	− 8 59.9	1.941	2.740	15.6	21.6
6 30	20 56.72	− 9 10.6	1.847	2.733	12.7	21.4
7 10	20 50.30	− 9 36.2	1.773	2.726	9.3	21.1
7 20	20 42.05	−10 15.4	1.723	2.718	5.5	20.9
7 30	20 32.74	−11 5.6	1.699	2.709	2.8	20.7
8 9	20 23.35	−12 2.3	1.703	2.700	5.0	20.8
8 19	20 14.88	−13 0.7	1.734	2.690	8.8	21.0
8 29	20 8.24	−13 56.3	1.789	2.679	12.5	21.2

447731 2007 EF_{217} 7 28.9 195°.98 2°.5/30.9 18

6 20	20 56.09	− 8 42.5	2.618	3.406	12.3	22.1
6 30	20 52.28	− 8 48.6	2.525	3.405	10.0	21.9
7 10	20 46.88	− 9 5.3	2.455	3.403	7.3	21.7
7 20	20 40.25	− 9 32.0	2.410	3.401	4.5	21.6
7 30	20 32.97	−10 6.7	2.392	3.399	2.5	21.4
8 9	20 25.69	−10 46.7	2.402	3.397	3.9	21.5
8 19	20 19.08	−11 29.0	2.441	3.395	6.7	21.7
8 29	20 13.75	−12 10.6	2.505	3.392	9.5	21.9

156257 2001 VC_{10} 7 28.9 250°.21 3°.0/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 2.66	−11 55.4	1.833	2.643	16.0	19.4
6 30	20 58.24	−11 24.4	1.740	2.633	13.0	19.2
7 10	20 51.39	−11 3.0	1.667	2.623	9.4	18.9
7 20	20 42.60	−10 51.1	1.617	2.613	5.6	18.7
7 30	20 32.69	−10 47.8	1.593	2.603	3.0	18.5
8 9	20 22.75	−10 50.9	1.596	2.592	5.4	18.6
8 19	20 13.86	−10 58.2	1.626	2.581	9.4	18.8
8 29	20 6.95	−11 7.2	1.679	2.570	13.1	19.0

357876 2005 UW_{384} 7 28.9 55°.44 5°.6/24.9 18

6 20	21 0.45	−32 41.2	2.180	3.016	12.9	20.7
6 30	20 56.34	−33 44.1	2.112	3.021	10.4	20.6
7 10	20 49.95	−34 45.3	2.067	3.025	7.8	20.4
7 20	20 41.82	−35 38.9	2.047	3.030	5.9	20.3
7 30	20 32.79	−36 19.0	2.053	3.035	5.9	20.3
8 9	20 23.90	−36 41.9	2.085	3.040	7.7	20.5
8 19	20 16.13	−36 46.7	2.142	3.045	10.3	20.6
8 29	20 10.28	−36 34.5	2.222	3.050	12.7	20.8

339366 2005 AG_{44} 7 28.9 256°.36 1°.3/28.1 18

6 20	21 0.31	−19 32.0	2.146	2.970	13.5	21.3
6 30	20 56.27	−20 12.5	2.043	2.951	10.7	21.1
7 10	20 50.03	−21 1.3	1.962	2.932	7.3	20.8
7 20	20 41.96	−21 54.8	1.906	2.912	3.6	20.6
7 30	20 32.77	−22 48.3	1.878	2.891	1.6	20.4
8 9	20 23.42	−23 36.7	1.878	2.870	5.1	20.6
8 19	20 14.87	−24 16.4	1.904	2.848	9.0	20.8
8 29	20 8.05	−24 45.2	1.955	2.827	12.5	21.0

496754 2016 TP_{38} 7 28.9 318°.83 0°.8/28.6 18

6 20	21 0.54	−20 7.9	1.917	2.749	14.6	21.3
6 30	20 56.45	−20 16.7	1.835	2.747	11.5	21.1
7 10	20 50.07	−20 31.3	1.774	2.745	7.8	20.9
7 20	20 41.90	−20 48.5	1.737	2.743	3.8	20.6
7 30	20 32.79	−21 4.8	1.727	2.741	1.0	20.4
8 9	20 23.78	−21 16.7	1.743	2.739	5.0	20.7
8 19	20 15.86	−21 22.3	1.786	2.738	8.9	21.0
8 29	20 9.87	−21 20.5	1.853	2.736	12.5	21.2

204535 2005 EC_{136} 7 28.9 229°.84 1°.5/27.9 18

6 20	21 1.58	−21 36.4	2.460	3.278	12.2	21.7
6 30	20 56.89	−22 6.5	2.360	3.264	9.6	21.5
7 10	20 50.21	−22 41.4	2.283	3.251	6.5	21.2
7 20	20 41.96	−23 18.0	2.232	3.236	3.3	21.0
7 30	20 32.79	−23 52.2	2.209	3.221	1.7	20.9
8 9	20 23.55	−24 20.6	2.215	3.205	4.7	21.1
8 19	20 15.10	−24 40.7	2.249	3.189	8.0	21.2
8 29	20 8.19	−24 51.6	2.308	3.172	11.1	21.4

446113 2013 DT_{15} 7 28.9 18°.45 1°.5/29.6 18

6 20	20 59.34	−16 8.7	1.716	2.549	16.0	20.2
6 30	20 55.56	−15 39.9	1.646	2.555	12.7	20.0
7 10	20 49.44	−15 18.5	1.595	2.563	8.8	19.8
7 20	20 41.57	−15 3.4	1.568	2.571	4.6	19.5
7 30	20 32.85	−14 52.9	1.567	2.581	1.5	19.3
8 9	20 24.36	−14 45.1	1.591	2.590	4.9	19.6
8 19	20 17.10	−14 38.1	1.642	2.601	8.9	19.9
8 29	20 11.87	−14 30.4	1.715	2.612	12.6	20.1

398928 2013 CE_{179} 7 28.9 163°.83 0°.9/29.8 18

6 20	20 56.78	−12 40.0	2.348	3.155	13.0	21.2
6 30	20 53.05	−13 13.7	2.261	3.157	10.3	21.0
7 10	20 47.52	−13 58.4	2.197	3.159	7.2	20.8
7 20	20 40.61	−14 51.7	2.158	3.160	3.7	20.6
7 30	20 32.95	−15 50.1	2.147	3.162	0.9	20.4
8 9	20 25.31	−16 49.3	2.165	3.163	3.9	20.6
8 19	20 18.43	−17 45.4	2.210	3.164	7.3	20.9
8 29	20 13.01	−18 35.5	2.281	3.165	10.4	21.1

112937 2002 RU_{3} 7 28.9 140°.50 3°.5/31.1 18

6 20	20 58.80	− 7 37.8	1.582	2.396	18.0	20.1
6 30	20 55.49	− 7 49.7	1.503	2.397	14.7	19.9
7 10	20 49.65	− 8 20.5	1.443	2.398	10.7	19.7
7 20	20 41.79	− 9 9.3	1.405	2.399	6.5	19.4
7 30	20 32.81	−10 12.3	1.392	2.400	3.5	19.3
8 9	20 23.86	−11 23.8	1.404	2.402	5.6	19.4
8 19	20 16.08	−12 37.2	1.442	2.402	9.8	19.6
8 29	20 10.43	−13 46.6	1.502	2.403	13.8	19.9

208833 2002 RZ_{79} 7 28.9 218°.54 8°.4/23.7 18

6 20	21 13.57	−45 10.0	2.474	3.268	12.8	20.8
6 30	21 6.71	−46 0.0	2.397	3.260	11.0	20.7
7 10	20 57.06	−46 40.2	2.342	3.252	9.4	20.5
7 20	20 45.28	−47 3.6	2.311	3.243	8.5	20.5
7 30	20 32.44	−47 4.6	2.305	3.234	8.6	20.5
8 9	20 19.87	−46 40.7	2.326	3.224	9.9	20.5
8 19	20 8.80	−45 53.1	2.371	3.214	11.6	20.6
8 29	20 0.21	−44 45.9	2.438	3.203	13.5	20.7

390160 2012 VE_{101} 7 28.9 326°.70 3°.6/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.63	− 8 34.4	1.814	2.623	16.2	20.9
6 30	20 54.25	− 8 24.4	1.730	2.620	13.2	20.7
7 10	20 48.62	− 8 28.8	1.665	2.618	9.7	20.4
7 20	20 41.24	− 8 47.2	1.622	2.615	6.1	20.2
7 30	20 32.88	− 9 17.6	1.605	2.612	3.6	20.1
8 9	20 24.55	− 9 56.7	1.615	2.610	5.4	20.2
8 19	20 17.21	−10 40.1	1.649	2.608	9.0	20.4
8 29	20 11.72	−11 23.5	1.708	2.606	12.6	20.6

303202 2004 GH_{51} 7 28.9 336°.55 3°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.06	−24 52.0	1.760	2.609	15.0	20.6
6 30	20 54.91	−25 32.3	1.680	2.602	11.8	20.4
7 10	20 49.26	−26 17.1	1.621	2.594	8.2	20.2
7 20	20 41.61	−27 1.2	1.585	2.588	4.6	20.0
7 30	20 32.85	−27 38.7	1.574	2.582	3.6	19.9
8 9	20 24.14	−28 4.8	1.590	2.576	6.7	20.1
8 19	20 16.60	−28 16.9	1.630	2.571	10.4	20.3
8 29	20 11.17	−28 14.7	1.692	2.566	13.9	20.5

256492 2007 EJ_{44} 7 28.9 124°.35 0°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.64	−15 36.0	2.578	3.388	11.9	21.3
6 30	20 53.48	−15 47.5	2.497	3.395	9.4	21.2
7 10	20 47.67	−16 5.9	2.439	3.403	6.5	21.0
7 20	20 40.63	−16 29.2	2.406	3.410	3.2	20.8
7 30	20 32.98	−16 55.1	2.402	3.417	0.6	20.6
8 9	20 25.41	−17 20.8	2.426	3.423	3.6	20.8
8 19	20 18.61	−17 44.1	2.478	3.430	6.7	21.1
8 29	20 13.17	−18 3.1	2.555	3.436	9.6	21.2

243654 1999 TO_{289} 7 28.9 301°.36 8°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.10	+ 1 23.5	1.770	2.540	18.0	20.1
6 30	20 53.24	+ 2 8.9	1.674	2.524	15.6	19.9
7 10	20 48.10	+ 2 35.0	1.595	2.508	12.8	19.7
7 20	20 41.08	+ 2 38.5	1.537	2.493	10.1	19.5
7 30	20 32.91	+ 2 17.8	1.502	2.477	8.4	19.3
8 9	20 24.59	+ 1 34.6	1.491	2.462	8.7	19.3
8 19	20 17.14	+ 0 33.0	1.504	2.447	11.0	19.4
8 29	20 11.54	− 0 40.5	1.540	2.433	14.0	19.6

443220 2014 DZ_{97} 7 29.0 237°.17 1°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 0.73	−20 13.0	2.065	2.893	13.9	21.5
6 30	20 56.53	−20 34.8	1.976	2.885	10.9	21.3
7 10	20 50.12	−21 2.8	1.908	2.878	7.4	21.0
7 20	20 41.96	−21 33.6	1.865	2.870	3.6	20.8
7 30	20 32.83	−22 3.3	1.848	2.862	1.3	20.6
8 9	20 23.71	−22 28.0	1.860	2.854	4.9	20.8
8 19	20 15.55	−22 45.1	1.898	2.846	8.8	21.1
8 29	20 9.20	−22 53.4	1.960	2.837	12.2	21.3

73176 2002 HW_{6} 7 29.0 42°.71 1°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.02	−16 10.1	1.232	2.083	20.0	18.8
6 30	20 58.54	−15 59.8	1.173	2.093	15.8	18.6
7 10	20 51.94	−16 1.2	1.131	2.104	10.9	18.4
7 20	20 42.92	−16 11.8	1.110	2.115	5.5	18.1
7 30	20 32.74	−16 27.5	1.113	2.127	1.1	17.8
8 9	20 22.92	−16 43.8	1.139	2.140	6.0	18.2
8 19	20 14.84	−16 57.0	1.189	2.152	11.1	18.5
8 29	20 9.53	−17 4.9	1.260	2.165	15.6	18.8

380892 2006 DA_{68} 7 29.0 116°.68 3°.3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.18	− 9 16.6	2.135	2.924	14.7	21.3
6 30	20 57.98	− 8 51.3	2.062	2.940	11.9	21.1
7 10	20 50.81	− 8 36.7	2.010	2.957	8.7	21.0
7 20	20 42.17	− 8 32.6	1.983	2.973	5.4	20.8
7 30	20 32.84	− 8 37.9	1.983	2.988	3.4	20.7
8 9	20 23.70	− 8 50.3	2.011	3.003	4.9	20.8
8 19	20 15.59	− 9 7.3	2.066	3.017	8.0	21.0
8 29	20 9.20	− 9 26.2	2.147	3.031	11.0	21.3

482364 2011 YZ_{10} 7 29.0 253°.49 2°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.97	−10 58.9	2.411	3.207	13.1	21.6
6 30	20 54.74	−10 39.0	2.312	3.197	10.6	21.4
7 10	20 48.68	−10 27.6	2.235	3.186	7.7	21.2
7 20	20 41.21	−10 24.5	2.182	3.176	4.6	21.0
7 30	20 32.94	−10 28.6	2.157	3.165	2.6	20.9
8 9	20 24.65	−10 38.0	2.160	3.155	4.3	21.0
8 19	20 17.10	−10 50.7	2.191	3.144	7.4	21.1
8 29	20 11.00	−11 4.5	2.247	3.133	10.5	21.3

288064 2003 UD_{343} 7 29.0 354°.21 0°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.34	−15 29.2	1.321	2.171	19.0	20.7
6 30	20 56.50	−15 43.5	1.249	2.169	15.1	20.4
7 10	20 50.66	−16 11.8	1.194	2.168	10.4	20.1
7 20	20 42.40	−16 51.0	1.161	2.167	5.2	19.8
7 30	20 32.81	−17 35.6	1.151	2.166	0.7	19.5
8 9	20 23.30	−18 19.5	1.166	2.166	6.0	19.9
8 19	20 15.26	−18 57.5	1.204	2.166	11.1	20.2
8 29	20 9.83	−19 26.0	1.263	2.167	15.7	20.4

135926 2002 TW_{179} 7 29.0 263°.04 1°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 59.14	−14 51.8	2.069	2.887	14.2	20.2
6 30	20 55.23	−14 54.5	1.976	2.878	11.3	20.0
7 10	20 49.22	−15 6.2	1.904	2.868	7.9	19.7
7 20	20 41.54	−15 25.1	1.856	2.859	4.1	19.5
7 30	20 32.91	−15 48.5	1.835	2.849	1.0	19.3
8 9	20 24.26	−16 13.2	1.842	2.840	4.4	19.5
8 19	20 16.50	−16 36.3	1.875	2.830	8.3	19.7
8 29	20 10.46	−16 55.3	1.932	2.820	11.8	19.9

39032 2000 UU_{76} 7 29.0 171°.89 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.01	−16 8.2	2.506	3.318	12.2	20.7
6 30	20 53.88	−16 26.4	2.420	3.320	9.6	20.6
7 10	20 48.03	−16 51.9	2.356	3.321	6.6	20.4
7 20	20 40.86	−17 22.3	2.318	3.322	3.2	20.2
7 30	20 32.99	−17 54.9	2.308	3.323	0.4	19.9
8 9	20 25.17	−18 26.7	2.327	3.324	3.8	20.2
8 19	20 18.11	−18 55.0	2.373	3.325	7.1	20.4
8 29	20 12.47	−19 18.0	2.445	3.325	10.0	20.6

249634 1999 TP_{116} 7 29.0 320°.57 6°.9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.51	−34 56.9	1.876	2.719	14.5	19.7
6 30	20 57.82	−35 45.9	1.791	2.701	11.8	19.4
7 10	20 51.38	−36 31.9	1.727	2.684	9.1	19.2
7 20	20 42.70	−37 7.8	1.686	2.667	7.2	19.1
7 30	20 32.77	−37 27.0	1.670	2.650	7.2	19.1
8 9	20 22.87	−37 25.1	1.678	2.634	9.2	19.1
8 19	20 14.25	−37 1.5	1.711	2.619	12.1	19.3
8 29	20 7.98	−36 18.5	1.765	2.604	15.1	19.4

13324 1998 SK_{2} 7 29.0 332°.36 0°.9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.53	−19 29.5	1.800	2.644	14.9	17.9
6 30	20 52.85	−19 46.6	1.708	2.627	11.8	17.7
7 10	20 47.84	−20 11.4	1.637	2.611	8.1	17.4
7 20	20 40.95	−20 40.9	1.590	2.596	3.9	17.1
7 30	20 32.97	−21 10.7	1.568	2.582	1.1	16.9
8 9	20 24.94	−21 36.7	1.571	2.568	5.3	17.2
8 19	20 17.91	−21 55.6	1.600	2.555	9.5	17.4
8 29	20 12.81	−22 5.6	1.652	2.543	13.3	17.6

117399 2005 AO_{7} 7 29.0 164°.71 2°.4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 6.30	−23 8.3	1.658	2.494	16.4	20.6
6 30	21 1.38	−23 32.2	1.583	2.497	12.9	20.3
7 10	20 53.66	−24 0.9	1.529	2.500	8.8	20.1
7 20	20 43.74	−24 29.4	1.498	2.503	4.5	19.9
7 30	20 32.68	−24 52.1	1.494	2.505	2.6	19.7
8 9	20 21.80	−25 4.9	1.516	2.507	6.3	20.0
8 19	20 12.35	−25 5.8	1.563	2.508	10.5	20.2
8 29	20 5.35	−24 55.1	1.634	2.509	14.3	20.5

191152 2002 HP_{2} 7 29.0 358°.96 2°.5/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.73	−22 29.9	1.589	2.439	16.3	19.6
6 30	20 56.39	−23 2.8	1.516	2.438	12.8	19.4
7 10	20 50.34	−23 42.2	1.462	2.437	8.7	19.2
7 20	20 42.17	−24 22.9	1.431	2.436	4.5	18.9
7 30	20 32.85	−24 59.0	1.425	2.437	2.7	18.8
8 9	20 23.65	−25 25.5	1.445	2.437	6.4	19.0
8 19	20 15.78	−25 39.6	1.489	2.438	10.6	19.3
8 29	20 10.24	−25 40.5	1.555	2.439	14.4	19.5

519631 2012 UO_{182} 7 29.0 345°.21 4°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.86	−24 44.5	1.385	2.252	17.3	20.7
6 30	20 53.92	−25 48.4	1.312	2.244	13.6	20.4
7 10	20 49.01	−27 0.1	1.258	2.236	9.5	20.2
7 20	20 41.65	−28 12.2	1.226	2.229	5.6	19.9
7 30	20 32.90	−29 15.8	1.217	2.223	4.9	19.9
8 9	20 24.18	−30 3.5	1.233	2.218	8.4	20.1
8 19	20 16.87	−30 31.0	1.271	2.214	12.6	20.3
8 29	20 12.16	−30 37.8	1.330	2.211	16.5	20.5

169751 2002 PO_{5} 7 29.0 17°.85 4°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.56	− 8 14.9	1.502	2.324	18.4	19.5
6 30	20 54.52	− 7 35.4	1.432	2.329	15.1	19.3
7 10	20 48.96	− 7 11.1	1.381	2.335	11.3	19.0
7 20	20 41.45	− 7 3.0	1.351	2.341	7.4	18.8
7 30	20 32.94	− 7 10.1	1.345	2.348	4.9	18.7
8 9	20 24.60	− 7 29.5	1.363	2.356	6.5	18.8
8 19	20 17.52	− 7 57.3	1.405	2.365	10.1	19.1
8 29	20 12.62	− 8 28.7	1.469	2.374	13.8	19.3

354357 2003 HT_{12} 7 29.0 54°.16 4°.4/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.20	−28 19.2	2.105	2.944	13.2	20.3
6 30	20 55.37	−29 22.2	2.035	2.950	10.4	20.2
7 10	20 49.33	−30 26.8	1.988	2.955	7.4	20.0
7 20	20 41.58	−31 27.3	1.966	2.961	4.9	19.8
7 30	20 32.93	−32 17.7	1.971	2.967	4.7	19.8
8 9	20 24.39	−32 53.8	2.002	2.972	6.9	20.0
8 19	20 16.91	−33 13.6	2.059	2.978	9.8	20.2
8 29	20 11.30	−33 17.5	2.139	2.984	12.6	20.4