477635 2010 *MU* 6 9.9 245°.17 3°.0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 1	17 39.86	−17 11.1	2.703	3.492	11.7	21.5
5 11	17 35.41	−16 5.1	2.599	3.480	9.4	21.3
5 21	17 29.21	−14 56.8	2.518	3.469	6.8	21.1
5 31	17 21.68	−13 48.4	2.465	3.457	4.1	20.9
6 10	17 13.47	−12 42.7	2.441	3.444	3.0	20.8
6 20	17 5.26	−11 42.5	2.446	3.432	4.9	20.9
6 30	16 57.74	−10 50.5	2.480	3.419	7.6	21.1
7 10	16 51.53	−10 8.5	2.539	3.406	10.3	21.2

258818 2002 NG_{59} 6 10.0 341°.98 1°.7/ 9.8 17

5 11	17 34.36	−20 9.9	1.077	1.998	16.3	20.2
5 21	17 29.93	−19 59.1	1.014	1.986	11.5	19.9
5 31	17 22.57	−19 49.1	0.972	1.975	6.1	19.6
6 10	17 13.47	−19 41.0	0.950	1.965	1.7	19.3
6 20	17 4.18	−19 36.0	0.952	1.956	6.4	19.5
6 30	16 56.36	−19 36.1	0.974	1.949	12.0	19.8
7 10	16 51.33	−19 43.0	1.016	1.943	17.1	20.1
7 20	16 49.80	−19 57.2	1.075	1.939	21.4	20.3

395526 2011 UZ_{139} 6 10.0 196°.74 3°.8/10.7 18

5 11	17 38.36	−35 21.0	2.649	3.511	9.9	21.7
5 21	17 31.48	−35 50.1	2.576	3.509	7.5	21.5
5 31	17 22.94	−36 10.4	2.528	3.506	5.1	21.4
6 10	17 13.48	−36 19.7	2.507	3.503	3.8	21.3
6 20	17 3.95	−36 17.4	2.515	3.500	4.9	21.3
6 30	16 55.23	−36 4.7	2.550	3.496	7.2	21.5
7 10	16 48.09	−35 44.3	2.611	3.492	9.6	21.6
7 20	16 43.02	−35 19.5	2.694	3.488	11.9	21.8

320300 2007 RR_{283} 6 10.0 265°.08 0°.1/ 9.9 17

5 11	17 36.71	−23 14.8	1.938	2.832	11.6	21.5
5 21	17 30.54	−23 8.6	1.869	2.828	8.1	21.3
5 31	17 22.52	−22 59.8	1.823	2.824	4.2	21.0
6 10	17 13.48	−22 48.5	1.805	2.820	0.1	20.7
6 20	17 4.41	−22 35.3	1.813	2.816	4.2	21.0
6 30	16 56.32	−22 22.0	1.849	2.812	8.2	21.2
7 10	16 50.03	−22 10.4	1.908	2.808	11.7	21.5
7 20	16 46.08	−22 2.4	1.988	2.804	14.7	21.7

163385 2002 PL_{127} 6 10.0 4°.23 0°.2/ 9.9 17

5 11	17 32.38	−21 44.3	1.111	2.033	15.8	18.7
5 21	17 28.37	−22 2.5	1.060	2.032	11.0	18.5
5 31	17 21.66	−22 21.3	1.029	2.033	5.7	18.2
6 10	17 13.48	−22 39.5	1.021	2.036	0.2	17.7
6 20	17 5.29	−22 56.5	1.034	2.040	5.7	18.2
6 30	16 58.59	−23 12.9	1.070	2.047	10.9	18.5
7 10	16 54.55	−23 29.7	1.126	2.055	15.6	18.8
7 20	16 53.75	−23 47.9	1.199	2.065	19.5	19.1

344172 2001 AV_{49} 6 10.0 216°.13 3°.4/10.9 18

5 11	17 40.79	−34 29.2	2.490	3.353	10.4	22.0
5 21	17 33.21	−34 33.0	2.407	3.343	7.8	21.8
5 31	17 23.84	−34 26.7	2.349	3.332	5.1	21.6
6 10	17 13.49	−34 8.7	2.319	3.321	3.4	21.5
6 20	17 3.09	−33 39.2	2.318	3.309	4.6	21.5
6 30	16 53.60	−33 0.3	2.345	3.297	7.4	21.7
7 10	16 45.84	−32 15.8	2.398	3.283	10.2	21.8
7 20	16 40.30	−31 29.5	2.474	3.269	12.8	22.0

443768 2015 MB_{56} 6 10.0 41°.34 1°.8/10.6 17

5 11	17 37.25	−30 5.4	1.891	2.778	12.1	19.7
5 21	17 30.83	−29 33.4	1.833	2.787	8.6	19.5
5 31	17 22.59	−28 51.7	1.800	2.796	4.8	19.3
6 10	17 13.50	−28 1.3	1.793	2.806	1.8	19.1
6 20	17 4.62	−27 4.6	1.813	2.815	4.3	19.3
6 30	16 56.95	−26 5.4	1.860	2.825	8.0	19.6
7 10	16 51.27	−25 8.2	1.932	2.836	11.4	19.8
7 20	16 47.98	−24 16.2	2.025	2.846	14.3	20.0

168876 2000 WZ_{24} 6 10.0 201°.56 1°.4/10.3 17

5 11	17 41.99	−27 37.6	2.021	2.902	11.7	21.2
5 21	17 34.22	−27 32.4	1.946	2.897	8.3	20.9
5 31	17 24.42	−27 20.3	1.895	2.892	4.5	20.7
6 10	17 13.51	−27 0.6	1.872	2.885	1.4	20.5
6 20	17 2.55	−26 34.1	1.877	2.878	4.3	20.6
6 30	16 52.66	−26 3.1	1.910	2.870	8.2	20.9
7 10	16 44.75	−25 31.0	1.968	2.861	11.8	21.1
7 20	16 39.35	−25 1.3	2.048	2.851	14.8	21.3

471144 2010 *FY* 6 10.0 316°.41 0°.2/10.0 17

5 11	17 36.85	−23 28.3	1.772	2.668	12.3	21.3
5 21	17 30.81	−23 30.7	1.703	2.663	8.6	21.1
5 31	17 22.72	−23 30.7	1.658	2.659	4.4	20.8
6 10	17 13.51	−23 27.9	1.639	2.654	0.2	20.4
6 20	17 4.23	−23 22.4	1.647	2.650	4.4	20.8
6 30	16 55.99	−23 15.9	1.681	2.646	8.7	21.0
7 10	16 49.73	−23 10.2	1.738	2.642	12.4	21.3
7 20	16 45.98	−23 7.2	1.815	2.638	15.6	21.5

334423 2002 EB_{151} 6 10.0 292°.63 7°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 35.50	− 5 58.2	1.769	2.647	13.3	20.3
5 21	17 29.67	− 5 8.1	1.710	2.646	10.4	20.1
5 31	17 22.06	− 4 29.8	1.674	2.645	8.0	20.0
6 10	17 13.51	− 4 7.0	1.662	2.643	7.1	19.9
6 20	17 4.97	− 4 1.7	1.676	2.642	8.6	20.0
6 30	16 57.40	− 4 14.5	1.715	2.641	11.3	20.2
7 10	16 51.61	− 4 43.5	1.775	2.640	14.2	20.4
7 20	16 48.07	− 5 26.0	1.854	2.639	16.8	20.5

507491 2012 UE_{44} 6 10.0 183°.28 2°.5/10.8 18

5 11	17 39.04	−31 50.5	2.095	2.972	11.5	21.0
5 21	17 32.06	−31 32.6	2.025	2.973	8.3	20.8
5 31	17 23.25	−31 4.6	1.980	2.973	4.9	20.6
6 10	17 13.51	−30 26.0	1.963	2.972	2.5	20.4
6 20	17 3.87	−29 38.4	1.973	2.972	4.4	20.5
6 30	16 55.34	−28 45.1	2.011	2.971	7.8	20.7
7 10	16 48.71	−27 50.3	2.073	2.970	11.1	20.9
7 20	16 44.46	−26 58.0	2.158	2.969	13.9	21.1

24884 1996 XL_5 6 10.0 228°.28 1°.9/ 9.9 18

5 11	17 38.71	−16 33.2	2.070	2.955	11.3	18.8
5 21	17 31.91	−16 51.2	1.992	2.946	8.0	18.6
5 31	17 23.25	−17 13.4	1.940	2.937	4.4	18.4
6 10	17 13.52	−17 39.3	1.915	2.927	1.9	18.2
6 20	17 3.61	−18 8.2	1.918	2.917	4.5	18.3
6 30	16 54.51	−18 39.7	1.949	2.906	8.3	18.5
7 10	16 47.08	−19 13.6	2.005	2.895	11.7	18.7
7 20	16 41.86	−19 49.6	2.082	2.884	14.7	18.9

437635 2014 BE_{35} 6 10.0 189°.84 9°.9/ 8.4 18

5 11	17 36.05	+ 9 22.7	2.425	3.222	12.8	21.3
5 21	17 29.69	+ 9 58.8	2.367	3.221	11.3	21.2
5 31	17 21.96	+10 15.6	2.331	3.219	10.2	21.1
6 10	17 13.53	+10 10.2	2.319	3.217	9.9	21.1
6 20	17 5.09	+ 9 41.7	2.331	3.215	10.5	21.1
6 30	16 57.40	+ 8 51.1	2.367	3.212	11.8	21.2
7 10	16 51.08	+ 7 41.8	2.425	3.208	13.3	21.3
7 20	16 46.52	+ 6 17.9	2.502	3.204	14.9	21.5

201743 2003 UZ_{265} 6 10.0 275°.92 1°.5/ 9.7 18

5 11	17 36.42	−19 49.7	1.865	2.760	11.8	20.5
5 21	17 30.41	−19 30.2	1.792	2.752	8.3	20.2
5 31	17 22.50	−19 10.4	1.743	2.743	4.4	20.0
6 10	17 13.53	−18 51.3	1.721	2.734	1.5	19.8
6 20	17 4.49	−18 34.3	1.725	2.725	4.7	20.0
6 30	16 56.40	−18 21.1	1.755	2.717	8.7	20.2
7 10	16 50.13	−18 13.3	1.810	2.708	12.4	20.4
7 20	16 46.20	−18 11.7	1.884	2.699	15.5	20.6

499673 2010 VD_{195} 6 10.0 263°.13 3°.4/10.5 17

5 11	17 42.19	−30 49.7	1.682	2.567	13.5	21.6
5 21	17 35.01	−31 12.5	1.596	2.546	9.9	21.3
5 31	17 25.12	−31 26.6	1.533	2.525	6.0	21.0
6 10	17 13.53	−31 28.8	1.495	2.504	3.4	20.8
6 20	17 1.57	−31 17.7	1.484	2.481	5.8	20.9
6 30	16 50.70	−30 55.3	1.498	2.459	10.0	21.1
7 10	16 42.20	−30 26.0	1.536	2.435	14.1	21.3
7 20	16 36.83	−29 54.8	1.593	2.412	17.7	21.4

504809 2010 CZ_{160} 6 10.0 169°.50 1°.4/10.4 17

5 11	17 38.71	−27 54.4	2.253	3.134	10.7	22.0
5 21	17 31.73	−27 51.5	2.185	3.137	7.5	21.8
5 31	17 23.07	−27 42.5	2.143	3.140	4.1	21.6
6 10	17 13.54	−27 26.9	2.129	3.142	1.4	21.4
6 20	17 4.05	−27 5.5	2.143	3.144	3.9	21.6
6 30	16 55.53	−26 40.2	2.186	3.146	7.3	21.8
7 10	16 48.72	−26 13.7	2.253	3.147	10.4	22.0
7 20	16 44.09	−25 48.7	2.342	3.148	13.1	22.2

315448 2007 WZ_{60} 6 10.0 104°.41 0°.2/10.1 17

5 11	17 41.19	−24 37.8	1.553	2.448	13.8	20.8
5 21	17 33.79	−24 19.4	1.502	2.462	9.6	20.6
5 31	17 24.19	−23 56.0	1.475	2.476	4.9	20.3
6 10	17 13.54	−23 28.0	1.474	2.489	0.2	20.0
6 20	17 3.13	−22 57.4	1.499	2.503	4.8	20.4
6 30	16 54.19	−22 27.1	1.551	2.515	9.3	20.7
7 10	16 47.61	−22 0.6	1.625	2.528	13.2	20.9
7 20	16 43.86	−21 40.0	1.719	2.540	16.5	21.2

180316 2003 XQ_7 6 10.0 292°.01 3°.5/ 9.6 18

5 11	17 38.27	−15 22.0	1.416	2.317	14.5	20.3
5 21	17 32.35	−15 11.6	1.333	2.293	10.5	20.0
5 31	17 23.80	−15 7.0	1.273	2.270	6.2	19.7
6 10	17 13.55	−15 9.6	1.236	2.246	3.5	19.5
6 20	17 2.88	−15 20.3	1.225	2.223	6.7	19.6
6 30	16 53.22	−15 39.9	1.237	2.199	11.5	19.8
7 10	16 45.83	−16 8.4	1.271	2.176	16.0	20.0
7 20	16 41.50	−16 45.1	1.323	2.153	20.0	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
258975 2002 SV_{54}			6 10.0 273°.39	1°.5/10.2 18		
	h m	° ′			°	m
5 11	17 40.63	−25 43.6	1.634	2.528	13.3	20.6
5 21	17 33.90	−26 6.0	1.548	2.506	9.5	20.3
5 31	17 24.57	−26 25.0	1.485	2.484	5.2	20.0
6 10	17 13.56	−26 38.1	1.448	2.462	1.5	19.7
6 20	17 2.13	−26 44.3	1.437	2.439	5.1	19.9
6 30	16 51.71	−26 44.4	1.452	2.416	9.8	20.1
7 10	16 43.53	−26 41.1	1.490	2.393	14.2	20.3
7 20	16 38.36	−26 37.5	1.547	2.370	17.9	20.5
80628 2000 AP_{197}			6 10.0 137°.64	2°.1/ 9.5 18		
5 11	17 39.59	−19 49.1	1.751	2.643	12.6	19.6
5 21	17 32.49	−19 4.2	1.693	2.652	8.8	19.4
5 31	17 23.50	−18 18.3	1.661	2.660	4.7	19.1
6 10	17 13.57	−17 33.5	1.655	2.667	2.1	19.0
6 20	17 3.80	−16 52.5	1.676	2.674	5.2	19.2
6 30	16 55.25	−16 18.2	1.724	2.681	9.1	19.4
7 10	16 48.72	−15 52.7	1.795	2.687	12.7	19.7
7 20	16 44.68	−15 36.9	1.887	2.693	15.8	19.9
368354 2002 QE_{120}			6 10.0 288°.68	1°.3/ 9.9 18		
5 11	17 38.65	−20 10.0	1.488	2.389	13.9	21.2
5 21	17 32.56	−20 8.5	1.405	2.368	9.9	21.0
5 31	17 23.89	−20 7.6	1.345	2.346	5.2	20.6
6 10	17 13.57	−20 7.5	1.309	2.324	1.3	20.3
6 20	17 2.88	−20 8.5	1.299	2.302	5.5	20.5
6 30	16 53.22	−20 11.7	1.314	2.280	10.5	20.7
7 10	16 45.82	−20 18.9	1.350	2.257	15.1	21.0
7 20	16 41.45	−20 31.2	1.405	2.236	19.0	21.2
496788 2017 GG_{5}			6 10.0 286°.71	15°.9/ 6.0 18		
5 11	17 54.66	−44 13.8	1.054	1.920	21.0	20.5
5 21	17 46.96	−47 46.3	0.993	1.906	18.2	20.2
5 31	17 32.95	−51 3.9	0.952	1.892	16.2	20.1
6 10	17 13.59	−53 43.7	0.932	1.878	16.0	20.0
6 20	16 51.65	−55 27.7	0.933	1.864	17.8	20.0
6 30	16 31.43	−56 12.3	0.953	1.850	20.8	20.2
7 10	16 16.78	−56 9.5	0.988	1.836	24.0	20.3
7 20	16 9.57	−55 37.0	1.036	1.823	27.1	20.5
396531 2014 GM_{36}			6 10.0 59°.81	7°.0/ 8.1 17		
5 11	17 34.28	− 5 5.2	1.979	2.851	12.3	20.4
5 21	17 28.56	− 4 1.2	1.937	2.867	9.7	20.3
5 31	17 21.40	− 3 9.1	1.919	2.884	7.6	20.2
6 10	17 13.57	− 2 32.3	1.927	2.900	7.0	20.2
6 20	17 5.91	− 2 12.9	1.960	2.916	8.3	20.3
6 30	16 59.20	− 2 11.2	2.018	2.933	10.5	20.4
7 10	16 54.08	− 2 25.8	2.098	2.950	12.8	20.6
7 20	16 50.91	− 2 53.9	2.198	2.966	15.0	20.8
316070 2009 HR_{98}			6 10.0 38°.21	0°.3/10.0 17		
5 11	17 39.04	−23 10.0	1.185	2.096	15.9	20.5
5 21	17 32.84	−23 21.3	1.139	2.106	11.1	20.3
5 31	17 23.91	−23 30.2	1.114	2.116	5.7	20.0
6 10	17 13.58	−23 35.6	1.112	2.127	0.3	19.6
6 20	17 3.39	−23 37.7	1.133	2.138	5.6	20.1
6 30	16 54.88	−23 38.0	1.178	2.150	10.8	20.4
7 10	16 49.18	−23 39.1	1.244	2.162	15.3	20.7
7 20	16 46.79	−23 42.9	1.328	2.175	19.0	21.0
44420 1998 SC_{155}			6 10.0 199°.71	1°.4/10.3 18		
5 11	17 38.01	−27 18.8	2.118	3.003	11.1	19.6
5 21	17 31.40	−27 23.8	2.047	3.001	7.8	19.4
5 31	17 22.98	−27 23.5	2.002	2.999	4.3	19.2
6 10	17 13.58	−27 16.9	1.983	2.997	1.4	19.0
6 20	17 4.15	−27 4.3	1.993	2.994	4.1	19.1
6 30	16 55.68	−26 47.5	2.030	2.991	7.7	19.4
7 10	16 48.98	−26 28.9	2.091	2.988	11.0	19.6
7 20	16 44.54	−26 11.1	2.174	2.985	13.8	19.8
86310 1999 VK_{96}			6 10.0 265°.14	0°.3/ 9.9 18		
5 11	17 34.92	−22 28.0	2.357	3.245	10.0	20.2
5 21	17 29.11	−22 22.5	2.280	3.237	6.9	20.0
5 31	17 21.77	−22 15.4	2.228	3.228	3.6	19.7
6 10	17 13.58	−22 6.7	2.204	3.219	0.3	19.4
6 20	17 5.33	−21 57.0	2.208	3.210	3.6	19.7
6 30	16 57.83	−21 47.6	2.240	3.201	7.1	19.9
7 10	16 51.78	−21 39.7	2.297	3.192	10.2	20.1
7 20	16 47.65	−21 34.9	2.376	3.183	12.9	20.3
192704 1999 TQ_{78}			6 10.0 193°.44	2°.1/ 9.6 18		
5 11	17 36.90	−17 51.8	1.947	2.838	11.6	20.8
5 21	17 30.62	−17 33.2	1.881	2.838	8.2	20.6
5 31	17 22.57	−17 16.2	1.839	2.837	4.5	20.4
6 10	17 13.59	−17 1.9	1.824	2.836	2.1	20.2
6 20	17 4.60	−16 51.3	1.836	2.834	4.8	20.4
6 30	16 56.56	−16 45.8	1.875	2.833	8.5	20.6
7 10	16 50.27	−16 46.2	1.938	2.831	11.9	20.8
7 20	16 46.21	−16 53.0	2.022	2.829	14.8	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308611 2005 WF_{60}			6 10.0 255°.79	0°.6/10.0 18		
	h m	° ′			°	m
5 11	17 37.42	−23 4.7	2.444	3.327	9.9	20.6
5 21	17 30.93	−23 43.0	2.361	3.316	6.9	20.4
5 31	17 22.76	−24 21.2	2.305	3.304	3.6	20.2
6 10	17 13.59	−24 57.5	2.277	3.292	0.6	19.9
6 20	17 4.22	−25 30.6	2.279	3.280	3.6	20.1
6 30	16 55.51	−26 0.1	2.309	3.268	7.0	20.3
7 10	16 48.24	−26 26.5	2.364	3.256	10.1	20.5
7 20	16 42.94	−26 50.8	2.443	3.243	12.8	20.6
147820 2005 SS_{166}			6 10.0 258°.92	2°.3/ 9.7 18		
5 11	17 35.10	−15 19.0	2.328	3.213	10.2	19.9
5 21	17 29.23	−15 21.6	2.251	3.204	7.3	19.7
5 31	17 21.84	−15 28.1	2.199	3.195	4.2	19.5
6 10	17 13.59	−15 39.1	2.175	3.185	2.3	19.4
6 20	17 5.23	−15 54.5	2.179	3.175	4.4	19.5
6 30	16 57.58	−16 14.5	2.211	3.165	7.6	19.7
7 10	16 51.32	−16 38.9	2.267	3.155	10.6	19.8
7 20	16 46.94	−17 7.4	2.346	3.145	13.3	20.0
438177 2005 TV_{126}			6 10.0 275°.10	1°.0/ 9.8 18		
5 11	17 34.93	−20 32.4	2.241	3.131	10.3	21.8
5 21	17 29.17	−20 19.3	2.163	3.121	7.2	21.6
5 31	17 21.82	−20 5.5	2.111	3.110	3.8	21.3
6 10	17 13.59	−19 51.8	2.085	3.099	1.0	21.1
6 20	17 5.28	−19 39.0	2.088	3.089	4.0	21.3
6 30	16 57.75	−19 28.3	2.118	3.078	7.5	21.5
7 10	16 51.71	−19 21.2	2.172	3.067	10.7	21.7
7 20	16 47.65	−19 18.5	2.248	3.056	13.5	21.9
25509 Rodwong			6 10.0 38°.64	1°.8/10.3 18		
5 11	17 39.23	−26 56.0	1.280	2.185	15.4	17.7
5 21	17 32.91	−27 2.1	1.231	2.194	10.9	17.4
5 31	17 23.93	−27 1.2	1.203	2.203	5.9	17.2
6 10	17 13.59	−26 51.9	1.198	2.212	1.8	16.9
6 20	17 3.41	−26 35.0	1.218	2.222	5.5	17.2
6 30	16 54.87	−26 13.6	1.262	2.233	10.4	17.5
7 10	16 49.06	−25 51.7	1.328	2.244	14.7	17.8
7 20	16 46.48	−25 32.9	1.411	2.255	18.3	18.1
496135 2010 RY_{39}			6 10.0 318°.38	1°.8/10.4 17		
5 11	17 38.31	−28 20.4	1.217	2.125	15.8	20.4
5 21	17 32.65	−27 58.8	1.147	2.111	11.4	20.1
5 31	17 24.00	−27 25.8	1.097	2.098	6.2	19.8
6 10	17 13.60	−26 40.9	1.071	2.085	1.8	19.5
6 20	17 3.03	−25 46.6	1.068	2.072	5.9	19.7
6 30	16 54.01	−24 48.3	1.088	2.061	11.3	20.0
7 10	16 47.85	−23 52.5	1.129	2.050	16.3	20.2
7 20	16 45.21	−23 4.3	1.187	2.039	20.5	20.4
258930 2002 RJ_{77}			6 10.0 247°.53	2°.9/ 9.5 17		
5 11	17 38.40	−16 52.6	1.641	2.537	13.1	20.9
5 21	17 31.99	−16 28.6	1.570	2.528	9.4	20.6
5 31	17 23.41	−16 7.1	1.522	2.519	5.3	20.4
6 10	17 13.60	−15 49.8	1.500	2.510	2.9	20.2
6 20	17 3.68	−15 38.1	1.504	2.501	5.8	20.3
6 30	16 54.84	−15 33.8	1.534	2.492	10.0	20.6
7 10	16 48.05	−15 37.6	1.586	2.482	13.9	20.8
7 20	16 43.89	−15 49.9	1.658	2.472	17.3	21.0
428195 2006 UW_{140}			6 10.0 210°.17	3°.3/10.5 17		
5 11	17 41.83	−31 3.8	1.848	2.729	12.7	21.9
5 21	17 34.41	−31 28.7	1.776	2.724	9.2	21.6
5 31	17 24.68	−31 45.0	1.728	2.719	5.6	21.4
6 10	17 13.61	−31 50.1	1.706	2.713	3.3	21.3
6 20	17 2.41	−31 43.2	1.711	2.707	5.3	21.4
6 30	16 52.38	−31 26.2	1.742	2.701	9.0	21.6
7 10	16 44.54	−31 2.8	1.798	2.693	12.6	21.8
7 20	16 39.50	−30 37.3	1.874	2.686	15.7	22.0
451360 2010 XP_{10}			6 10.0 308°.39	1°.1/10.4 17		
5 11	17 53.80	− 8 51.3	0.896	1.791	21.4	19.3
5 21	17 45.62	−12 3.4	0.807	1.764	15.9	18.8
5 31	17 32.02	−16 12.5	0.740	1.739	8.8	18.3
6 10	17 13.63	−21 8.1	0.698	1.713	1.1	17.8
6 20	16 52.31	−26 21.9	0.685	1.689	8.7	18.1
6 30	16 31.23	−31 18.9	0.700	1.665	17.2	18.4
7 10	16 13.72	−35 36.8	0.739	1.642	24.5	18.8
7 20	16 2.06	−39 11.5	0.793	1.620	30.2	19.1
205986 2002 NX_{62}			6 10.0 215°.69	1°.9/10.5 16		
5 11	17 38.34	−29 13.8	2.227	3.108	10.8	21.5
5 21	17 31.62	−29 15.0	2.152	3.102	7.7	21.3
5 31	17 23.10	−29 9.3	2.102	3.096	4.4	21.1
6 10	17 13.62	−28 55.9	2.079	3.090	1.9	20.9
6 20	17 4.10	−28 35.2	2.084	3.084	4.1	21.0
6 30	16 55.50	−28 9.0	2.117	3.077	7.5	21.2
7 10	16 48.63	−27 40.3	2.175	3.070	10.7	21.4
7 20	16 43.99	−27 12.2	2.254	3.062	13.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
471636 2012 TX_{58}			6 10.0 240.°59		2.°3/10.5 16	
	h m	° ′			°	m
5 11	17 38.49	−29 51.0	1.925	2.811	12.0	21.8
5 21	17 31.91	−29 51.6	1.855	2.807	8.6	21.6
5 31	17 23.31	−29 44.1	1.809	2.804	5.0	21.3
6 10	17 13.62	−29 27.4	1.789	2.801	2.3	21.2
6 20	17 3.92	−29 2.1	1.797	2.797	4.6	21.3
6 30	16 55.31	−28 30.6	1.831	2.793	8.3	21.5
7 10	16 48.69	−27 56.5	1.889	2.790	11.8	21.7
7 20	16 44.57	−27 23.5	1.968	2.786	14.8	21.9
260886 Henritudor			6 10.0 178.°06		8.°7/ 6.5 16	
5 11	17 33.02	+ 8 6.3	2.875	3.675	10.9	21.7
5 21	17 27.47	+ 9 10.1	2.823	3.677	9.7	21.6
5 31	17 20.82	+ 9 58.8	2.793	3.678	8.9	21.6
6 10	17 13.62	+10 29.3	2.789	3.678	8.8	21.6
6 20	17 6.44	+10 40.2	2.808	3.678	9.4	21.6
6 30	16 59.85	+10 31.4	2.852	3.678	10.5	21.7
7 10	16 54.37	+10 4.8	2.916	3.678	11.8	21.8
7 20	16 50.34	+ 9 23.1	2.999	3.677	13.1	21.9
175847 1999 TF_{293}			6 10.0 226.°20		3.°1/10.6 17	R
5 11	17 41.63	−30 41.8	1.701	2.586	13.3	20.3
5 21	17 34.40	−30 53.4	1.629	2.580	9.7	20.1
5 31	17 24.71	−30 55.5	1.580	2.573	5.8	19.8
6 10	17 13.63	−30 46.0	1.556	2.566	3.1	19.6
6 20	17 2.45	−30 24.8	1.559	2.558	5.4	19.7
6 30	16 52.52	−29 54.4	1.588	2.550	9.4	20.0
7 10	16 44.93	−29 19.5	1.641	2.541	13.2	20.2
7 20	16 40.29	−28 44.6	1.713	2.533	16.6	20.4
422385 2014 SL_{264}			6 10.0 243.°47		2.°8/ 9.4 17	
5 11	17 39.24	−18 47.3	1.376	2.279	14.7	20.5
5 21	17 32.76	−18 5.1	1.315	2.278	10.4	20.2
5 31	17 23.85	−17 22.9	1.277	2.277	5.7	20.0
6 10	17 13.63	−16 43.5	1.264	2.276	2.8	19.8
6 20	17 3.45	−16 9.7	1.276	2.275	6.3	20.0
6 30	16 54.65	−15 44.8	1.311	2.273	10.9	20.3
7 10	16 48.28	−15 30.6	1.369	2.272	15.2	20.5
7 20	16 44.90	−15 27.7	1.445	2.271	18.8	20.7
128392 2004 LY			6 10.0 203.°28		6.°0/ 9.7 18	
5 11	17 35.97	− 2 45.0	2.428	3.281	11.0	19.6
5 21	17 29.71	− 2 46.6	2.360	3.278	8.8	19.4
5 31	17 22.05	− 3 0.7	2.316	3.276	6.8	19.3
6 10	17 13.63	− 3 28.4	2.298	3.273	6.0	19.3
6 20	17 5.17	− 4 9.8	2.309	3.270	6.9	19.3
6 30	16 57.40	− 5 3.6	2.346	3.266	9.0	19.4
7 10	16 50.97	− 6 7.4	2.408	3.263	11.3	19.6
7 20	16 46.29	− 7 18.6	2.493	3.259	13.4	19.7
290615 2005 UJ_{222}			6 10.0 290.°60		0.°3/10.1 18	
5 11	17 35.39	−24 30.7	2.158	3.049	10.7	21.2
5 21	17 29.59	−24 19.3	2.080	3.038	7.5	20.9
5 31	17 22.08	−24 4.1	2.026	3.026	3.9	20.7
6 10	17 13.63	−23 45.4	1.999	3.014	0.3	20.4
6 20	17 5.10	−23 24.1	2.000	3.003	3.9	20.7
6 30	16 57.41	−23 1.9	2.028	2.992	7.6	20.9
7 10	16 51.32	−22 41.1	2.081	2.980	10.9	21.0
7 20	16 47.36	−22 23.7	2.155	2.969	13.8	21.2
71940 2000 WC_{78}			6 10.0 91.°12		2.°5/10.4 18	
5 11	17 41.97	−28 42.4	1.429	2.324	14.8	19.5
5 21	17 34.68	−28 55.3	1.377	2.334	10.5	19.3
5 31	17 24.82	−28 59.6	1.348	2.345	5.9	19.1
6 10	17 13.65	−28 53.3	1.343	2.355	2.5	18.9
6 20	17 2.64	−28 36.9	1.364	2.366	5.5	19.1
6 30	16 53.22	−28 13.4	1.410	2.376	9.9	19.4
7 10	16 46.46	−27 47.3	1.478	2.386	14.0	19.6
7 20	16 42.87	−27 22.7	1.566	2.396	17.4	19.9
328164 2008 CN_{192}			6 10.0 118.°59		2.°1/ 9.5 17	
5 11	17 40.08	−19 35.0	1.680	2.573	13.0	21.1
5 21	17 32.88	−18 56.8	1.628	2.586	9.1	20.9
5 31	17 23.73	−18 18.2	1.600	2.599	4.9	20.7
6 10	17 13.65	−17 41.2	1.598	2.611	2.1	20.5
6 20	17 3.77	−17 8.2	1.624	2.622	5.2	20.8
6 30	16 55.18	−16 41.5	1.675	2.634	9.3	21.0
7 10	16 48.70	−16 23.2	1.750	2.644	12.9	21.3
7 20	16 44.78	−16 13.8	1.845	2.655	16.0	21.5
446419 2014 JG_{16}			6 10.0 48.°20		6.°2/ 8.0 17	
5 11	17 33.93	− 7 48.5	2.007	2.887	11.8	20.8
5 21	17 28.36	− 6 37.9	1.960	2.898	9.1	20.7
5 31	17 21.35	− 5 36.4	1.937	2.910	6.9	20.6
6 10	17 13.65	− 4 47.8	1.940	2.922	6.2	20.5
6 20	17 6.09	− 4 14.6	1.970	2.934	7.6	20.7
6 30	16 59.45	− 3 57.9	2.024	2.947	10.0	20.8
7 10	16 54.37	− 3 57.1	2.101	2.959	12.5	21.0
7 20	16 51.23	− 4 10.2	2.197	2.972	14.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
39180 2000 WA_{161}			6 10.0 291.°09		7.°3/ 7.5 18	
	h m	° ′			°	m
5 11	17 35.69	− 8 0.7	1.688	2.573	13.4	18.3
5 21	17 30.03	− 6 37.5	1.616	2.558	10.5	18.0
5 31	17 22.40	− 5 22.1	1.567	2.542	8.0	17.9
6 10	17 13.66	− 4 19.9	1.544	2.527	7.4	17.8
6 20	17 4.79	− 3 35.4	1.545	2.511	9.2	17.9
6 30	16 56.87	− 3 11.4	1.571	2.496	12.2	18.0
7 10	16 50.78	− 3 7.9	1.617	2.481	15.4	18.2
7 20	16 47.09	− 3 22.8	1.682	2.466	18.3	18.3
141777 2002 ND_{10}			6 10.0 322.°23		2.°2/ 9.8 18	
5 11	17 35.49	−18 55.7	1.161	2.077	15.8	19.4
5 21	17 30.80	−18 45.9	1.085	2.054	11.3	19.0
5 31	17 23.17	−18 38.4	1.030	2.032	6.1	18.7
6 10	17 13.66	−18 34.4	0.997	2.011	2.2	18.4
6 20	17 3.71	−18 34.9	0.987	1.991	6.5	18.6
6 30	16 54.99	−18 41.6	0.999	1.972	12.2	18.8
7 10	16 48.93	−18 55.7	1.031	1.953	17.3	19.0
7 20	16 46.36	−19 17.5	1.079	1.936	21.7	19.3
87421 2000 QS_{97}			6 10.0 290.°09		1.°4/ 9.8 18	R
5 11	17 38.02	−19 47.3	1.678	2.575	12.8	19.5
5 21	17 31.96	−19 43.2	1.588	2.549	9.1	19.2
5 31	17 23.56	−19 39.7	1.522	2.522	4.9	18.9
6 10	17 13.66	−19 37.2	1.481	2.496	1.4	18.6
6 20	17 3.38	−19 36.0	1.467	2.469	5.2	18.8
6 30	16 53.98	−19 37.5	1.478	2.442	9.8	19.0
7 10	16 46.56	−19 43.1	1.512	2.415	14.1	19.2
7 20	16 41.86	−19 53.9	1.566	2.388	17.8	19.4
287553 2003 EY_{53}			6 10.0 66.°94		12.°4/ 8.5 17	
5 11	17 36.74	+15 50.0	2.252	3.012	14.7	20.8
5 21	17 30.02	+17 10.4	2.246	3.052	13.4	20.8
5 31	17 22.07	+18 4.8	2.260	3.091	12.6	20.8
6 10	17 13.67	+18 30.4	2.296	3.130	12.4	20.8
6 20	17 5.58	+18 26.9	2.353	3.168	12.8	20.9
6 30	16 58.50	+17 56.6	2.431	3.206	13.5	21.0
7 10	16 52.96	+17 3.9	2.527	3.243	14.5	21.2
7 20	16 49.27	+15 54.0	2.639	3.280	15.4	21.3
98217 2000 SV_{141}			6 10.0 145.°55		1.°6/ 9.7 17	
5 11	17 40.47	−20 32.6	1.557	2.454	13.7	19.7
5 21	17 33.39	−20 4.4	1.499	2.459	9.6	19.5
5 31	17 24.10	−19 35.1	1.464	2.465	5.0	19.2
6 10	17 13.68	−19 6.0	1.456	2.469	1.6	19.0
6 20	17 3.37	−18 39.1	1.473	2.474	5.3	19.2
6 30	16 54.38	−18 16.9	1.516	2.478	9.7	19.5
7 10	16 47.66	−18 1.6	1.582	2.482	13.7	19.8
7 20	16 43.72	−17 54.4	1.668	2.485	17.0	20.0
325808 2010 RZ_{105}			6 10.0 221.°30		4.°0/ 9.2 17	
5 11	17 38.80	−14 37.1	1.681	2.572	13.1	21.2
5 21	17 32.19	−13 57.6	1.612	2.566	9.5	21.0
5 31	17 23.52	−13 21.9	1.567	2.560	5.8	20.8
6 10	17 13.69	−12 52.7	1.548	2.554	4.0	20.7
6 20	17 3.82	−12 32.3	1.555	2.547	6.4	20.8
6 30	16 55.02	−12 22.5	1.588	2.539	10.3	21.0
7 10	16 48.21	−12 23.9	1.644	2.532	14.0	21.2
7 20	16 43.95	−12 36.1	1.719	2.524	17.1	21.4
393918 2005 UR_{60}			6 10.0 231.°34		2.°8/10.3 18	
5 11	17 37.63	−30 26.5	2.432	3.309	10.2	20.9
5 21	17 31.13	−31 3.6	2.358	3.305	7.4	20.7
5 31	17 22.91	−31 35.0	2.310	3.300	4.5	20.5
6 10	17 13.70	−31 58.7	2.289	3.296	2.8	20.4
6 20	17 4.35	−32 13.4	2.297	3.291	4.3	20.5
6 30	16 55.80	−32 19.7	2.332	3.287	7.2	20.7
7 10	16 48.81	−32 19.5	2.392	3.282	10.1	20.8
7 20	16 43.93	−32 15.5	2.475	3.277	12.6	21.0
305380 2008 CK_{24}			6 10.0 163.°19		4.°1/11.1 16	
5 11	17 38.93	−36 49.5	2.578	3.436	10.3	21.5
5 21	17 31.92	−37 7.2	2.511	3.440	7.8	21.3
5 31	17 23.25	−37 14.3	2.468	3.443	5.5	21.2
6 10	17 13.72	−37 9.1	2.453	3.447	4.1	21.1
6 20	17 4.21	−36 51.5	2.466	3.449	5.0	21.2
6 30	16 55.63	−36 23.3	2.506	3.452	7.3	21.3
7 10	16 48.72	−35 48.0	2.572	3.454	9.7	21.5
7 20	16 43.95	−35 9.1	2.660	3.456	12.0	21.6
275065 2009 UZ_{128}			6 10.0 190.°10		1.°0/ 9.8 17	
5 11	17 38.37	−21 29.4	1.855	2.748	12.0	21.5
5 21	17 31.76	−21 4.6	1.789	2.747	8.4	21.2
5 31	17 23.25	−20 37.8	1.747	2.747	4.4	21.0
6 10	17 13.73	−20 10.0	1.731	2.746	1.0	20.7
6 20	17 4.23	−19 42.9	1.743	2.744	4.6	21.0
6 30	16 55.80	−19 18.7	1.782	2.743	8.6	21.2
7 10	16 49.26	−18 59.5	1.844	2.741	12.2	21.5
7 20	16 45.14	−18 46.9	1.927	2.739	15.3	21.7

178094 2006 SS_{218} 6 10.1 210°.64 3°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.51	−34 35.2	2.393	3.261	10.6	20.8
5 21	17 31.77	−34 55.4	2.320	3.257	8.0	20.7
5 31	17 23.24	−35 6.1	2.271	3.253	5.3	20.5
6 10	17 13.73	−35 5.5	2.250	3.250	3.8	20.4
6 20	17 4.17	−34 53.2	2.256	3.245	4.9	20.4
6 30	16 55.53	−34 30.8	2.290	3.241	7.5	20.6
7 10	16 48.59	−34 1.6	2.348	3.236	10.3	20.8
7 20	16 43.88	−33 29.1	2.429	3.232	12.8	20.9

252216 2001 KH 6 10.1 100°.24 9°.2/ 6.7 18

5 11	17 43.89	−11 55.9	1.048	1.951	18.2	19.9
5 21	17 36.07	− 9 12.1	1.008	1.963	13.7	19.7
5 31	17 25.52	− 6 35.6	0.991	1.974	10.1	19.5
6 10	17 13.75	− 4 19.3	0.997	1.985	9.4	19.5
6 20	17 2.42	− 2 33.6	1.026	1.996	12.2	19.7
6 30	16 53.07	− 1 23.9	1.077	2.006	16.1	19.9
7 10	16 46.72	− 0 49.2	1.146	2.017	19.9	20.2
7 20	16 43.78	− 0 44.4	1.231	2.026	23.1	20.5

373517 2001 RG_{146} 6 10.1 346°.89 3°.9/ 8.6 17

5 11	17 31.58	−21 16.8	0.985	1.913	16.7	19.0
5 21	17 28.10	−19 29.1	0.923	1.897	11.8	18.6
5 31	17 21.72	−17 31.8	0.881	1.884	6.6	18.3
6 10	17 13.72	−15 33.1	0.860	1.872	4.0	18.1
6 20	17 5.68	−13 43.1	0.862	1.862	8.2	18.3
6 30	16 59.20	−12 11.5	0.884	1.854	13.7	18.6
7 10	16 55.53	−11 4.3	0.925	1.848	18.7	18.8
7 20	16 55.26	−10 22.4	0.981	1.845	23.0	19.1

186345 2002 EM_{110} 6 10.1 32°.40 3°.8/ 9.5 18

5 11	17 34.25	−12 29.1	1.919	2.809	11.8	19.4
5 21	17 28.75	−12 17.5	1.865	2.818	8.6	19.2
5 31	17 21.64	−12 12.8	1.836	2.827	5.4	19.0
6 10	17 13.73	−12 16.2	1.832	2.836	3.8	18.9
6 20	17 5.87	−12 28.1	1.855	2.846	5.7	19.1
6 30	16 58.96	−12 48.5	1.904	2.856	8.8	19.3
7 10	16 53.69	−13 16.4	1.976	2.866	11.8	19.5
7 20	16 50.50	−13 50.8	2.069	2.877	14.5	19.7

120946 1998 TZ_{28} 6 10.1 276°.28 2°.1/10.3 17

5 11	17 42.08	−26 59.6	1.395	2.293	14.9	20.4
5 21	17 35.36	−27 19.2	1.311	2.270	10.7	20.0
5 31	17 25.56	−27 33.2	1.249	2.248	6.0	19.7
6 10	17 13.75	−27 38.7	1.211	2.224	2.1	19.4
6 20	17 1.42	−27 34.5	1.198	2.200	5.9	19.6
6 30	16 50.27	−27 22.0	1.210	2.176	11.1	19.8
7 10	16 41.77	−27 5.4	1.243	2.152	16.0	20.0
7 20	16 36.80	−26 49.3	1.294	2.128	20.2	20.2

74283 1998 SJ_{130} 6 10.1 23°.11 4°.1/ 9.3 18

5 11	17 36.82	−15 40.2	1.318	2.224	15.0	18.2
5 21	17 31.08	−14 58.8	1.265	2.228	10.7	17.9
5 31	17 23.02	−14 21.9	1.235	2.232	6.4	17.7
6 10	17 13.74	−13 52.8	1.228	2.236	4.1	17.6
6 20	17 4.56	−13 33.9	1.246	2.242	7.0	17.7
6 30	16 56.77	−13 27.1	1.287	2.247	11.3	18.0
7 10	16 51.34	−13 32.7	1.349	2.253	15.3	18.3
7 20	16 48.80	−13 49.5	1.429	2.260	18.7	18.5

78162 2002 NR_{28} 6 10.1 270°.23 2°.6/ 9.7 18

5 11	17 36.64	−15 39.5	1.900	2.791	11.9	19.4
5 21	17 30.59	−15 37.3	1.828	2.784	8.5	19.2
5 31	17 22.70	−15 39.6	1.781	2.777	4.9	19.0
6 10	17 13.76	−15 46.9	1.760	2.770	2.6	18.8
6 20	17 4.72	−15 59.5	1.766	2.764	5.1	19.0
6 30	16 56.57	−16 17.6	1.799	2.757	8.8	19.2
7 10	16 50.15	−16 41.1	1.855	2.750	12.3	19.4
7 20	16 46.01	−17 9.8	1.932	2.743	15.3	19.6

65618 4217 T-$_3$ 6 10.1 177°.05 2°.3/10.2 18

5 11	17 42.78	−26 55.6	1.482	2.376	14.4	18.9
5 21	17 35.42	−27 29.8	1.419	2.377	10.3	18.7
5 31	17 25.38	−27 58.9	1.380	2.378	5.7	18.4
6 10	17 13.81	−28 19.6	1.365	2.378	2.3	18.2
6 20	17 2.13	−28 30.5	1.377	2.378	5.5	18.4
6 30	16 51.85	−28 32.8	1.414	2.378	10.1	18.7
7 10	16 44.14	−28 29.9	1.473	2.378	14.2	18.9
7 20	16 39.65	−28 25.3	1.551	2.377	17.8	19.2

121793 2000 AT_{119} 6 10.1 234°.40 5°.4/ 8.6 18

5 11	17 33.34	− 1 24.7	3.249	4.090	8.8	20.9
5 21	17 27.72	− 1 2.9	3.167	4.074	7.2	20.8
5 31	17 21.05	− 0 50.5	3.111	4.057	5.9	20.7
6 10	17 13.79	− 0 48.9	3.082	4.041	5.4	20.6
6 20	17 6.45	− 0 59.2	3.081	4.023	6.2	20.6
6 30	16 59.57	− 1 21.3	3.107	4.005	7.7	20.7
7 10	16 53.64	− 1 54.2	3.158	3.987	9.5	20.8
7 20	16 49.00	− 2 36.2	3.231	3.968	11.2	20.9

384451 2010 AC_{71} 6 10.1 157°.68 0°.5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.72	−25 24.3	1.990	2.878	11.5	20.8
5 21	17 31.93	−25 8.3	1.926	2.882	8.1	20.6
5 31	17 23.33	−24 47.5	1.886	2.885	4.2	20.4
6 10	17 13.80	−24 21.9	1.874	2.889	0.5	20.1
6 20	17 4.34	−23 53.0	1.889	2.892	4.1	20.4
6 30	16 55.94	−23 23.1	1.931	2.894	7.9	20.6
7 10	16 49.40	−22 55.0	1.998	2.896	11.4	20.8
7 20	16 45.18	−22 31.0	2.087	2.898	14.3	21.0

59 Elpis 6 10.1 249°.91 4°.7/ 9.0 18 R

5 11	17 36.07	−10 55.1	2.004	2.887	11.7	12.5
5 21	17 30.10	−10 21.9	1.930	2.877	8.7	12.2
5 31	17 22.43	− 9 55.3	1.881	2.866	5.9	12.1
6 10	17 13.80	− 9 37.8	1.859	2.856	4.7	12.0
6 20	17 5.07	− 9 30.9	1.863	2.845	6.5	12.0
6 30	16 57.17	− 9 35.5	1.893	2.834	9.5	12.2
7 10	16 50.87	− 9 51.3	1.946	2.823	12.6	12.4
7 20	16 46.68	−10 17.2	2.020	2.812	15.4	12.5

269954 2000 SB_{192} 6 10.1 238°.42 3°.9/10.7 17

5 11	17 40.58	−32 55.1	1.822	2.701	12.8	20.6
5 21	17 33.65	−33 17.1	1.751	2.697	9.5	20.4
5 31	17 24.39	−33 28.9	1.703	2.691	6.1	20.2
6 10	17 13.83	−33 27.7	1.681	2.686	3.9	20.0
6 20	17 3.17	−33 13.1	1.686	2.681	5.6	20.1
6 30	16 53.69	−32 47.2	1.717	2.675	9.1	20.3
7 10	16 46.43	−32 14.4	1.771	2.669	12.6	20.5
7 20	16 41.98	−31 39.3	1.846	2.664	15.6	20.7

152360 2005 UM_{130} 6 10.1 238°.63 1°.3/ 9.9 18

5 11	17 35.77	−17 51.1	2.574	3.457	9.4	20.2
5 21	17 29.69	−18 4.2	2.493	3.447	6.6	20.0
5 31	17 22.17	−18 19.6	2.439	3.437	3.6	19.8
6 10	17 13.82	−18 37.1	2.413	3.426	1.3	19.6
6 20	17 5.35	−18 56.3	2.416	3.415	3.7	19.7
6 30	16 57.51	−19 17.3	2.447	3.404	6.8	19.9
7 10	16 50.96	−19 40.2	2.504	3.393	9.7	20.1
7 20	16 46.17	−20 5.1	2.584	3.382	12.2	20.2

370359 2002 SO_{35} 6 10.1 305°.58 0°.2/10.1 17

5 11	17 38.26	−23 13.5	1.343	2.249	14.7	20.6
5 21	17 32.70	−23 20.5	1.257	2.222	10.5	20.3
5 31	17 24.23	−23 25.6	1.193	2.195	5.5	19.9
6 10	17 13.85	−23 27.7	1.153	2.168	0.2	19.4
6 20	17 2.92	−23 26.5	1.137	2.142	5.6	19.8
6 30	16 53.08	−23 23.3	1.145	2.116	11.1	20.0
7 10	16 45.73	−23 21.0	1.174	2.090	16.2	20.2
7 20	16 41.77	−23 22.1	1.221	2.065	20.5	20.4

70793 1999 VW_{50} 6 10.1 158°.00 2°.7/10.4 18

5 11	17 39.74	−29 20.4	1.982	2.865	11.8	18.6
5 21	17 32.84	−29 52.5	1.917	2.867	8.5	18.4
5 31	17 23.91	−30 18.3	1.876	2.869	5.0	18.2
6 10	17 13.84	−30 35.4	1.862	2.871	2.7	18.0
6 20	17 3.72	−30 43.0	1.875	2.873	4.7	18.2
6 30	16 54.64	−30 42.1	1.915	2.875	8.2	18.4
7 10	16 47.51	−30 35.4	1.980	2.876	11.5	18.6
7 20	16 42.90	−30 26.0	2.065	2.877	14.4	18.8

435360 2007 VP_{247} 6 10.1 336°.41 6°.2/ 8.4 16

5 11	17 34.39	− 9 22.9	1.733	2.622	12.9	21.1
5 21	17 29.06	− 8 23.7	1.670	2.617	9.9	20.9
5 31	17 21.93	− 7 32.8	1.631	2.611	7.1	20.8
6 10	17 13.83	− 6 54.2	1.616	2.607	6.2	20.7
6 20	17 5.71	− 6 30.6	1.627	2.602	7.9	20.8
6 30	16 58.55	− 6 23.7	1.661	2.598	10.9	21.0
7 10	16 53.16	− 6 32.8	1.718	2.594	14.0	21.1
7 20	16 50.03	− 6 56.1	1.794	2.591	16.8	21.3

367945 2012 DF_{16} 6 10.1 170°.61 1°.0/10.2 17

5 11	17 41.28	−24 41.6	1.652	2.544	13.3	21.2
5 21	17 34.12	−25 4.2	1.588	2.546	9.3	21.0
5 31	17 24.64	−25 23.7	1.549	2.548	4.9	20.7
6 10	17 13.85	−25 38.3	1.535	2.549	1.0	20.4
6 20	17 3.01	−25 47.1	1.547	2.550	4.8	20.7
6 30	16 53.38	−25 51.2	1.586	2.551	9.2	20.9
7 10	16 46.01	−25 52.8	1.649	2.551	13.1	21.2
7 20	16 41.48	−25 54.6	1.731	2.551	16.4	21.4

188405 2004 EP_{58} 6 10.1 135°.66 0°.1/10.1 17

5 11	17 40.74	−22 35.2	1.788	2.679	12.5	21.2
5 21	17 33.46	−22 40.1	1.731	2.688	8.7	21.0
5 31	17 24.18	−22 43.1	1.698	2.698	4.5	20.8
6 10	17 13.85	−22 43.7	1.692	2.707	0.1	20.4
6 20	17 3.60	−22 42.0	1.713	2.715	4.4	20.8
6 30	16 54.54	−22 39.4	1.761	2.723	8.5	21.1
7 10	16 47.53	−22 37.8	1.833	2.731	12.2	21.3
7 20	16 43.09	−22 38.8	1.925	2.738	15.3	21.6

294264 2007 UH_{88} 6 10.1 266°.29 0°.5/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.04	−24 36.0	2.033	2.923	11.2	21.3
5 21	17 30.89	−24 33.8	1.957	2.914	7.9	21.0
5 31	17 22.89	−24 28.1	1.905	2.905	4.1	20.8
6 10	17 13.84	−24 18.6	1.880	2.895	0.5	20.5
6 20	17 4.70	−24 5.8	1.883	2.885	4.0	20.7
6 30	16 56.46	−23 51.2	1.912	2.876	7.9	21.0
7 10	16 49.96	−23 37.1	1.966	2.866	11.4	21.2
7 20	16 45.74	−23 25.4	2.041	2.856	14.4	21.3

87397 2000 QB_{73} 6 10.1 7°.92 6°.3/11.3 18

5 11	17 40.59	−37 18.6	1.463	2.344	15.3	18.7
5 21	17 34.07	−37 44.2	1.403	2.344	11.8	18.5
5 31	17 24.73	−37 53.2	1.365	2.345	8.3	18.3
6 10	17 13.87	−37 41.7	1.350	2.347	6.3	18.2
6 20	17 3.03	−37 9.6	1.360	2.348	7.6	18.3
6 30	16 53.83	−36 20.8	1.393	2.351	10.8	18.5
7 10	16 47.42	−35 22.3	1.448	2.353	14.4	18.7
7 20	16 44.39	−34 21.2	1.523	2.356	17.6	18.9

44167 1998 JA_3 6 10.1 105°.57 1°.7/ 9.9 18

5 11	17 40.64	−17 52.9	1.498	2.394	14.1	18.1
5 21	17 33.68	−18 9.8	1.442	2.402	9.9	17.8
5 31	17 24.40	−18 30.6	1.409	2.409	5.3	17.6
6 10	17 13.87	−18 54.4	1.402	2.416	1.7	17.4
6 20	17 3.36	−19 20.3	1.421	2.423	5.3	17.6
6 30	16 54.14	−19 48.1	1.465	2.429	9.8	17.9
7 10	16 47.24	−20 17.8	1.532	2.436	13.9	18.2
7 20	16 43.20	−20 49.7	1.619	2.442	17.2	18.4

499075 2009 EJ_{26} 6 10.1 22°.01 5°.1/10.7 17

5 11	17 38.56	−31 54.4	1.016	1.927	17.9	20.2
5 21	17 33.12	−32 31.2	0.973	1.935	13.1	19.9
5 31	17 24.37	−32 54.1	0.949	1.944	8.2	19.7
6 10	17 13.87	−32 58.9	0.947	1.955	5.2	19.6
6 20	17 3.55	−32 45.3	0.966	1.966	7.5	19.7
6 30	16 55.27	−32 17.3	1.007	1.979	12.1	20.0
7 10	16 50.33	−31 42.0	1.067	1.993	16.6	20.3
7 20	16 49.23	−31 5.4	1.144	2.008	20.4	20.6

15925 Rokycany 6 10.1 173°.01 2°.8/10.9 18

5 11	17 41.26	−32 24.2	2.030	2.905	11.9	17.6
5 21	17 33.76	−32 8.7	1.962	2.908	8.7	17.4
5 31	17 24.31	−31 42.1	1.919	2.909	5.2	17.2
6 10	17 13.88	−31 4.0	1.902	2.911	2.8	17.0
6 20	17 3.56	−30 15.7	1.914	2.912	4.6	17.1
6 30	16 54.44	−29 20.9	1.953	2.913	8.1	17.3
7 10	16 47.35	−28 24.1	2.017	2.913	11.4	17.5
7 20	16 42.77	−27 29.7	2.103	2.913	14.2	17.7

167858 2005 EN_{10} 6 10.1 102°.10 1°.7/10.4 18

5 11	17 42.90	−27 33.8	1.558	2.449	14.0	20.4
5 21	17 35.12	−27 33.3	1.510	2.466	9.9	20.2
5 31	17 25.04	−27 25.2	1.486	2.484	5.3	20.0
6 10	17 13.88	−27 8.8	1.487	2.501	1.7	19.8
6 20	17 2.99	−26 45.1	1.515	2.517	4.9	20.0
6 30	16 53.64	−26 17.2	1.569	2.534	9.2	20.3
7 10	16 46.76	−25 49.1	1.646	2.549	13.1	20.6
7 20	16 42.81	−25 24.2	1.743	2.565	16.3	20.8

305532 2008 GS_7 6 10.1 48°.96 5°.4/ 8.2 18

5 11	17 34.19	− 9 40.3	2.099	2.980	11.3	20.5
5 21	17 28.60	− 8 33.4	2.044	2.987	8.6	20.3
5 31	17 21.58	− 7 33.5	2.015	2.993	6.2	20.2
6 10	17 13.86	− 6 43.9	2.012	3.000	5.4	20.1
6 20	17 6.23	− 6 7.4	2.036	3.007	6.9	20.2
6 30	16 59.48	− 5 45.4	2.085	3.014	9.5	20.4
7 10	16 54.22	− 5 37.9	2.158	3.021	12.1	20.6
7 20	16 50.87	− 5 43.6	2.250	3.029	14.4	20.8

502247 2015 BV_{100} 6 10.1 341°.70 3°.1/ 9.7 17

5 11	17 37.23	−16 9.9	1.527	2.427	13.7	20.6
5 21	17 31.30	−15 54.7	1.464	2.424	9.8	20.4
5 31	17 23.19	−15 43.9	1.425	2.422	5.6	20.1
6 10	17 13.88	−15 38.7	1.410	2.420	3.1	20.0
6 20	17 4.52	−15 40.2	1.420	2.419	5.9	20.1
6 30	16 56.32	−15 49.2	1.456	2.417	10.1	20.4
7 10	16 50.24	−16 5.9	1.513	2.416	14.1	20.6
7 20	16 46.84	−16 29.8	1.590	2.415	17.4	20.8

133402 2003 SP_{169} 6 10.1 216°.67 3°.4/10.8 18

5 11	17 36.78	−34 37.3	2.865	3.728	9.2	20.1
5 21	17 30.42	−35 1.5	2.788	3.723	6.9	19.9
5 31	17 22.57	−35 17.8	2.737	3.717	4.7	19.7
6 10	17 13.88	−35 24.6	2.714	3.712	3.4	19.6
6 20	17 5.12	−35 21.6	2.719	3.706	4.4	19.7
6 30	16 57.07	−35 9.5	2.752	3.701	6.6	19.8
7 10	16 50.42	−34 50.9	2.811	3.694	9.0	20.0
7 20	16 45.63	−34 28.3	2.893	3.688	11.1	20.1

229738 2007 HW_{21} 6 10.1 312°.32 1°.6/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 36.91	−19 42.2	1.594	2.495	13.2	21.3
5 21	17 31.12	−19 28.9	1.524	2.486	9.3	21.0
5 31	17 23.13	−19 16.2	1.477	2.478	5.0	20.7
6 10	17 13.89	−19 4.7	1.455	2.469	1.6	20.5
6 20	17 4.54	−18 55.6	1.460	2.461	5.2	20.7
6 30	16 56.28	−18 50.4	1.489	2.454	9.6	20.9
7 10	16 50.09	−18 50.6	1.541	2.446	13.7	21.2
7 20	16 46.57	−18 57.0	1.612	2.439	17.1	21.4

422993 2003 SN_{105} 6 10.1 281°.83 2°.4/ 9.6 17

5 11	17 39.65	−18 36.7	1.507	2.405	13.9	21.7
5 21	17 33.36	−18 12.5	1.418	2.379	10.0	21.4
5 31	17 24.47	−17 48.5	1.353	2.352	5.5	21.1
6 10	17 13.90	−17 26.3	1.312	2.325	2.4	20.8
6 20	17 2.90	−17 7.6	1.297	2.297	6.0	20.9
6 30	16 52.87	−16 54.8	1.307	2.269	11.0	21.1
7 10	16 45.06	−16 50.0	1.339	2.241	15.6	21.3
7 20	16 40.24	−16 54.4	1.389	2.212	19.6	21.5

480874 2001 TS_{192} 6 10.1 307°.43 8°.8/ 9.1 18

5 11	17 44.49	−41 53.1	1.847	2.697	14.0	19.9
5 21	17 37.40	−43 28.9	1.746	2.658	11.7	19.6
5 31	17 26.94	−44 53.9	1.668	2.619	9.6	19.4
6 10	17 13.92	−45 59.6	1.614	2.580	8.8	19.3
6 20	16 59.77	−46 39.8	1.586	2.540	10.0	19.3
6 30	16 46.34	−46 52.5	1.582	2.501	12.6	19.3
7 10	16 35.40	−46 41.8	1.600	2.461	15.6	19.4
7 20	16 28.16	−46 14.5	1.636	2.422	18.6	19.5

430648 2003 SX_{186} 6 10.1 303°.81 6°.4/10.2 17

5 11	17 41.01	−35 58.7	1.660	2.538	14.0	20.2
5 21	17 34.56	−37 5.4	1.578	2.517	10.9	20.0
5 31	17 25.20	−38 1.9	1.518	2.496	7.9	19.8
6 10	17 13.91	−38 42.2	1.483	2.475	6.4	19.6
6 20	17 2.08	−39 2.6	1.473	2.455	7.8	19.6
6 30	16 51.33	−39 3.2	1.487	2.435	11.1	19.8
7 10	16 43.08	−38 48.1	1.523	2.415	14.6	19.9
7 20	16 38.18	−38 23.4	1.578	2.396	17.9	20.1

501925 2014 WP_{487} 6 10.1 195°.87 6°.6/ 9.4 18

5 11	17 37.97	− 4 42.1	1.920	2.787	12.9	21.1
5 21	17 31.44	− 4 25.3	1.856	2.785	10.1	20.9
5 31	17 23.16	− 4 21.7	1.815	2.783	7.7	20.8
6 10	17 13.91	− 4 33.5	1.799	2.781	6.6	20.7
6 20	17 4.61	− 5 1.2	1.810	2.778	7.9	20.8
6 30	16 56.22	− 5 43.8	1.847	2.775	10.5	20.9
7 10	16 49.51	− 6 39.0	1.907	2.772	13.3	21.1
7 20	16 45.01	− 7 43.7	1.987	2.768	15.9	21.3

389150 2009 BW_{32} 6 10.1 214°.00 0°.8/10.3 15

5 11	17 37.96	−25 48.6	2.358	3.240	10.2	22.8
5 21	17 31.34	−25 48.4	2.280	3.233	7.2	22.6
5 31	17 23.08	−25 44.1	2.228	3.227	3.8	22.3
6 10	17 13.91	−25 35.2	2.205	3.219	0.8	22.1
6 20	17 4.68	−25 22.1	2.209	3.211	3.7	22.3
6 30	16 56.26	−25 6.3	2.242	3.203	7.1	22.5
7 10	16 49.40	−24 49.7	2.300	3.194	10.2	22.7
7 20	16 44.59	−24 34.6	2.381	3.185	12.9	22.9

94056 2000 YX_{12} 6 10.1 115°.74 5°.4/ 9.7 17

5 11	17 38.16	− 6 46.8	2.059	2.928	12.1	19.9
5 21	17 31.35	− 6 38.1	2.009	2.944	9.2	19.8
5 31	17 23.01	− 6 40.4	1.984	2.959	6.6	19.6
6 10	17 13.92	− 6 54.8	1.985	2.974	5.4	19.6
6 20	17 4.94	− 7 21.4	2.014	2.989	6.7	19.7
6 30	16 56.91	− 7 59.0	2.069	3.003	9.2	19.9
7 10	16 50.51	− 8 46.0	2.148	3.017	11.9	20.1
7 20	16 46.16	− 9 39.8	2.248	3.030	14.3	20.3

513436 2008 UT_{309} 6 10.1 257°.10 1°.3/ 9.7 18

5 11	17 38.69	−21 3.1	2.195	3.080	10.7	21.9
5 21	17 31.99	−20 26.2	2.102	3.058	7.6	21.7
5 31	17 23.49	−19 46.2	2.036	3.034	4.0	21.4
6 10	17 13.94	−19 4.6	1.997	3.010	1.3	21.2
6 20	17 4.22	−18 23.3	1.987	2.986	4.4	21.4
6 30	16 55.28	−17 45.0	2.004	2.961	8.1	21.5
7 10	16 47.93	−17 12.1	2.047	2.935	11.6	21.7
7 20	16 42.73	−16 46.6	2.112	2.908	14.6	21.9

356503 2011 SH_{38} 6 10.1 264°.12 0°.1/10.1 18

5 11	17 36.39	−22 40.7	2.183	3.072	10.6	21.4
5 21	17 30.37	−22 45.7	2.106	3.063	7.4	21.2
5 31	17 22.64	−22 49.3	2.054	3.053	3.9	20.9
6 10	17 13.94	−22 51.0	2.029	3.044	0.1	20.6
6 20	17 5.12	−22 51.2	2.032	3.034	3.8	20.9
6 30	16 57.11	−22 50.5	2.062	3.025	7.5	21.1
7 10	16 50.68	−22 50.4	2.117	3.015	10.8	21.3
7 20	16 46.35	−22 52.2	2.194	3.006	13.7	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
180879 2005 JU_{93}			6 10.1 42°.50	0°.2/10.1 17		
	h m	° ′			°	m
5 11	17 39.02	−23 30.5	1.269	2.176	15.3	19.9
5 21	17 32.78	−23 15.6	1.221	2.186	10.7	19.7
5 31	17 24.00	−22 56.9	1.194	2.196	5.5	19.4
6 10	17 13.95	−22 35.0	1.192	2.207	0.2	19.1
6 20	17 4.08	−22 11.7	1.214	2.218	5.4	19.5
6 30	16 55.82	−21 49.9	1.259	2.230	10.4	19.8
7 10	16 50.19	−21 32.7	1.326	2.242	14.7	20.1
7 20	16 47.68	−21 21.9	1.412	2.254	18.3	20.4
471591 2012 RV_{30}			6 10.1 225°.80	0°.1/10.1 18		
5 11	17 38.06	−23 11.6	2.348	3.232	10.2	22.5
5 21	17 31.44	−23 6.7	2.266	3.221	7.1	22.2
5 31	17 23.16	−22 59.4	2.210	3.210	3.7	22.0
6 10	17 13.95	−22 49.5	2.183	3.198	0.1	21.6
6 20	17 4.63	−22 37.7	2.183	3.185	3.7	22.0
6 30	16 56.09	−22 25.0	2.212	3.172	7.2	22.2
7 10	16 49.07	−22 13.5	2.267	3.159	10.5	22.3
7 20	16 44.07	−22 4.6	2.343	3.145	13.2	22.5
36736 2000 RX_{58}			6 10.1 185°.19	0°.5/10.2 18		
5 11	17 36.01	−25 9.5	2.756	3.637	9.0	20.5
5 21	17 29.77	−25 5.4	2.684	3.636	6.3	20.3
5 31	17 22.21	−24 57.9	2.638	3.636	3.3	20.1
6 10	17 13.95	−24 47.1	2.620	3.635	0.5	19.9
6 20	17 5.68	−24 33.5	2.632	3.634	3.1	20.1
6 30	16 58.12	−24 18.1	2.672	3.632	6.2	20.3
7 10	16 51.87	−24 2.8	2.738	3.630	8.9	20.5
7 20	16 47.35	−23 49.0	2.828	3.627	11.2	20.7
59480 1999 HJ_{7}			6 10.1 151°.47	2°.9/10.5 18		
5 11	17 38.87	−30 51.7	2.265	3.141	10.8	18.5
5 21	17 32.11	−31 25.2	2.199	3.145	7.9	18.4
5 31	17 23.53	−31 51.9	2.158	3.148	4.8	18.2
6 10	17 13.96	−32 9.7	2.144	3.151	2.9	18.1
6 20	17 4.34	−32 17.7	2.159	3.154	4.6	18.2
6 30	16 55.63	−32 17.0	2.200	3.156	7.5	18.4
7 10	16 48.65	−32 9.8	2.267	3.158	10.5	18.5
7 20	16 43.91	−31 59.2	2.355	3.161	13.0	18.7
109054 2001 QH_{16}			6 10.1 291°.62	1°.0/10.2 18		
5 11	17 39.35	−24 44.1	1.553	2.451	13.6	19.9
5 21	17 33.20	−24 58.7	1.467	2.428	9.7	19.6
5 31	17 24.43	−25 10.3	1.404	2.404	5.2	19.3
6 10	17 13.97	−25 17.2	1.366	2.381	1.0	18.9
6 20	17 3.09	−25 18.8	1.354	2.358	5.1	19.1
6 30	16 53.22	−25 16.1	1.367	2.334	10.0	19.4
7 10	16 45.62	−25 11.8	1.402	2.311	14.5	19.6
7 20	16 41.06	−25 8.8	1.457	2.288	18.4	19.8
293100 2006 XZ_{14}			6 10.1 220°.29	0°.9/ 9.9 17		
5 11	17 39.80	−20 49.9	1.913	2.802	11.9	22.1
5 21	17 32.90	−20 44.5	1.837	2.794	8.4	21.8
5 31	17 24.01	−20 38.5	1.786	2.786	4.4	21.6
6 10	17 13.97	−20 31.8	1.762	2.777	0.9	21.3
6 20	17 3.81	−20 25.1	1.766	2.767	4.5	21.5
6 30	16 54.62	−20 19.8	1.796	2.757	8.6	21.8
7 10	16 47.28	−20 17.3	1.851	2.746	12.3	22.0
7 20	16 42.37	−20 19.0	1.927	2.735	15.4	22.2
176704 2002 QC_{33}			6 10.1 332°.32	4°.1/ 9.4 17		
5 11	17 36.91	−15 17.6	1.322	2.227	15.0	20.3
5 21	17 31.37	−14 45.4	1.259	2.221	10.8	20.0
5 31	17 23.36	−14 18.3	1.218	2.215	6.5	19.7
6 10	17 13.97	−13 59.0	1.201	2.209	4.1	19.6
6 20	17 4.49	−13 49.6	1.207	2.204	7.0	19.7
6 30	16 56.28	−13 51.7	1.237	2.199	11.5	20.0
7 10	16 50.43	−14 5.5	1.288	2.195	15.7	20.2
7 20	16 47.56	−14 29.9	1.357	2.191	19.4	20.4
357535 2004 RO_{196}			6 10.1 307°.96	3°.7/ 8.8 18		
5 11	17 34.09	−14 21.1	2.173	3.061	10.7	19.8
5 21	17 28.65	−13 26.3	2.101	3.053	7.8	19.6
5 31	17 21.70	−12 34.2	2.054	3.044	5.0	19.4
6 10	17 13.96	−11 47.3	2.034	3.036	3.7	19.3
6 20	17 6.19	−11 8.4	2.041	3.028	5.6	19.4
6 30	16 59.21	−10 39.5	2.076	3.020	8.6	19.6
7 10	16 53.70	−10 21.7	2.134	3.013	11.6	19.7
7 20	16 50.09	−10 14.8	2.212	3.005	14.2	19.9
356364 2010 MD_{58}			6 10.1 121°.10	7°.2/ 7.8 18		
5 11	17 33.31	+ 0 15.2	2.570	3.413	10.8	20.9
5 21	17 27.83	+ 1 11.1	2.519	3.421	9.0	20.8
5 31	17 21.18	+ 1 54.7	2.493	3.429	7.6	20.7
6 10	17 13.96	+ 2 23.0	2.492	3.437	7.3	20.7
6 20	17 6.79	+ 2 34.7	2.517	3.445	8.1	20.8
6 30	17 0.31	+ 2 29.5	2.568	3.452	9.7	20.9
7 10	16 55.05	+ 2 8.9	2.641	3.459	11.5	21.0
7 20	16 51.36	+ 1 35.2	2.734	3.466	13.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
175286 2005 LL_{9}			6 10.1 48°.40	2°.1/ 9.8 17		
	h m	° ′			°	m
5 11	17 38.82	−19 9.1	1.274	2.181	15.3	20.3
5 21	17 32.56	−18 51.7	1.228	2.193	10.7	20.0
5 31	17 23.87	−18 36.1	1.205	2.206	5.7	19.8
6 10	17 13.98	−18 23.2	1.205	2.218	2.1	19.6
6 20	17 4.28	−18 14.6	1.230	2.232	5.8	19.9
6 30	16 56.14	−18 11.7	1.278	2.245	10.6	20.2
7 10	16 50.53	−18 15.8	1.348	2.259	14.8	20.4
7 20	16 47.93	−18 26.9	1.436	2.273	18.3	20.7
427987 2006 AG_{52}			6 10.1 167°.68	0°.1/10.1 17		
5 11	17 38.69	−23 25.1	1.877	2.769	12.0	21.9
5 21	17 32.06	−23 13.2	1.812	2.770	8.4	21.7
5 31	17 23.52	−22 58.2	1.772	2.772	4.3	21.4
6 10	17 13.98	−22 40.4	1.758	2.773	0.1	21.1
6 20	17 4.46	−22 20.6	1.772	2.774	4.3	21.4
6 30	16 56.01	−22 1.1	1.812	2.775	8.3	21.7
7 10	16 49.47	−21 44.0	1.876	2.776	11.9	21.9
7 20	16 45.34	−21 31.3	1.961	2.776	14.9	22.1
310093 2010 PC_{51}			6 10.1 176°.04	1°.7/ 9.5 18		
5 11	17 33.81	−17 51.3	2.873	3.756	8.6	22.1
5 21	17 28.15	−17 26.3	2.804	3.757	6.0	21.9
5 31	17 21.35	−17 2.1	2.762	3.758	3.4	21.7
6 10	17 13.96	−16 39.6	2.748	3.759	1.7	21.6
6 20	17 6.59	−16 20.1	2.763	3.759	3.6	21.7
6 30	16 59.86	−16 4.5	2.807	3.760	6.3	21.9
7 10	16 54.29	−15 53.8	2.876	3.760	8.8	22.1
7 20	16 50.24	−15 48.4	2.969	3.759	11.0	22.2
90391 2003 XM_{7}			6 10.1 212°.62	2°.4/ 9.8 17		
5 11	17 39.96	−17 4.8	1.775	2.665	12.6	20.2
5 21	17 33.08	−16 56.8	1.704	2.660	9.0	20.0
5 31	17 24.13	−16 51.8	1.657	2.654	5.0	19.7
6 10	17 14.00	−16 50.2	1.636	2.648	2.4	19.5
6 20	17 3.76	−16 52.8	1.643	2.641	5.2	19.7
6 30	16 54.53	−17 0.3	1.675	2.634	9.3	19.9
7 10	16 47.26	−17 13.3	1.732	2.626	13.0	20.2
7 20	16 42.51	−17 32.1	1.809	2.617	16.3	20.4
431134 2006 KA_{59}			6 10.1 316°.81	3°.8/ 9.3 16		
5 11	17 34.96	−15 37.4	1.558	2.460	13.3	20.7
5 21	17 29.90	−15 2.1	1.476	2.436	9.7	20.4
5 31	17 22.62	−14 29.9	1.417	2.413	5.9	20.1
6 10	17 13.99	−14 3.4	1.383	2.391	3.8	19.9
6 20	17 5.08	−13 45.1	1.373	2.369	6.5	20.1
6 30	16 57.11	−13 37.1	1.388	2.347	10.7	20.2
7 10	16 51.12	−13 40.5	1.424	2.326	14.8	20.4
7 20	16 47.79	−13 55.0	1.479	2.306	18.4	20.6
505323 2012 XX_{151}			6 10.1 133°.07	0°.8/10.4 18		
5 11	17 37.12	−26 57.0	2.630	3.508	9.4	21.7
5 21	17 30.50	−26 37.7	2.569	3.520	6.6	21.6
5 31	17 22.56	−26 13.4	2.534	3.531	3.5	21.4
6 10	17 13.99	−25 44.4	2.528	3.542	0.8	21.2
6 20	17 5.54	−25 12.0	2.551	3.553	3.2	21.4
6 30	16 57.93	−24 38.0	2.603	3.563	6.3	21.6
7 10	16 51.77	−24 5.0	2.680	3.572	9.0	21.8
7 20	16 47.43	−23 34.8	2.781	3.582	11.4	22.0
242712 2005 US_{62}			6 10.1 126°.84	0°.4/10.2 17		
5 11	17 40.01	−23 52.8	1.912	2.800	11.9	21.5
5 21	17 32.92	−24 0.2	1.855	2.811	8.3	21.3
5 31	17 23.95	−24 4.9	1.822	2.822	4.3	21.0
6 10	17 14.01	−24 6.0	1.817	2.832	0.4	20.7
6 20	17 4.15	−24 3.7	1.839	2.842	4.1	21.1
6 30	16 55.39	−23 59.3	1.888	2.851	8.1	21.3
7 10	16 48.58	−23 54.8	1.962	2.860	11.5	21.6
7 20	16 44.18	−23 52.1	2.056	2.868	14.4	21.8
250564 2004 RG_{318}			6 10.1 342°.09	1°.2/ 9.7 18		
5 11	17 34.76	−21 14.3	2.009	2.904	11.1	19.8
5 21	17 29.24	−20 39.8	1.941	2.900	7.8	19.6
5 31	17 22.06	−20 3.2	1.896	2.896	4.1	19.4
6 10	17 13.99	−19 26.3	1.879	2.893	1.3	19.2
6 20	17 5.94	−18 51.0	1.889	2.889	4.3	19.4
6 30	16 58.80	−18 19.6	1.925	2.887	8.0	19.6
7 10	16 53.31	−17 54.2	1.985	2.884	11.4	19.8
7 20	16 49.95	−17 36.0	2.067	2.882	14.3	20.0
377883 2006 DY_{36}			6 10.1 166°.66	1°.9/10.5 17		
5 11	17 40.05	−29 4.3	2.379	3.255	10.4	22.2
5 21	17 32.76	−29 11.5	2.312	3.260	7.4	22.0
5 31	17 23.82	−29 12.4	2.271	3.265	4.2	21.8
6 10	17 14.02	−29 5.9	2.257	3.269	1.9	21.7
6 20	17 4.23	−28 52.3	2.273	3.272	3.9	21.8
6 30	16 55.38	−28 33.2	2.317	3.275	7.1	22.0
7 10	16 48.20	−28 11.2	2.386	3.277	10.0	22.2
7 20	16 43.15	−27 49.1	2.478	3.279	12.6	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
419583 2010 RY_{81}			6 10.1 234.°49	4.°3/10.6 17		
	h m	° ′			°	m
5 11	17 43.29	−32 50.2	1.709	2.588	13.6	21.6
5 21	17 35.84	−33 23.9	1.633	2.578	10.1	21.4
5 31	17 25.74	−33 47.6	1.581	2.568	6.5	21.1
6 10	17 14.04	−33 57.3	1.554	2.558	4.3	21.0
6 20	17 2.10	−33 51.6	1.553	2.546	6.2	21.1
6 30	16 51.38	−33 32.4	1.578	2.535	9.9	21.3
7 10	16 43.08	−33 4.1	1.626	2.523	13.6	21.4
7 20	16 37.90	−32 32.3	1.695	2.511	16.9	21.6
179785 2002 TB_{1}			6 10.1 304.°30	1.°8/ 9.9 17		
5 11	17 37.95	−19 22.1	1.352	2.258	14.7	20.2
5 21	17 32.45	−19 15.2	1.267	2.231	10.5	19.9
5 31	17 24.16	−19 9.8	1.203	2.204	5.7	19.6
6 10	17 14.03	−19 6.4	1.163	2.177	1.8	19.2
6 20	17 3.38	−19 5.8	1.148	2.150	6.0	19.4
6 30	16 53.77	−19 9.5	1.156	2.124	11.3	19.7
7 10	16 46.54	−19 19.0	1.185	2.098	16.3	19.9
7 20	16 42.56	−19 35.3	1.232	2.073	20.6	20.1
3352 McAuliffe			6 10.1 99.°65	1.°9/ 9.9 18		
5 11	17 52.74	−18 30.7	1.207	2.096	17.3	18.7
5 21	17 41.95	−18 35.6	1.179	2.135	12.0	18.5
5 31	17 28.52	−18 42.3	1.174	2.172	6.3	18.3
6 10	17 14.08	−18 50.0	1.194	2.208	1.9	18.1
6 20	17 0.38	−18 58.6	1.241	2.242	6.1	18.5
6 30	16 48.94	−19 9.2	1.313	2.274	11.0	18.9
7 10	16 40.72	−19 23.2	1.408	2.305	15.3	19.2
7 20	16 36.03	−19 41.5	1.521	2.334	18.6	19.5
392007 2008 YO_{153}			6 10.1 270.°60	2.°9/ 9.7 17		
5 11	17 36.42	−15 17.1	1.936	2.827	11.7	21.1
5 21	17 30.49	−15 7.4	1.865	2.820	8.4	20.9
5 31	17 22.76	−15 1.9	1.819	2.814	4.9	20.7
6 10	17 14.03	−15 1.8	1.798	2.807	2.9	20.5
6 20	17 5.22	−15 7.5	1.805	2.801	5.2	20.6
6 30	16 57.28	−15 19.6	1.838	2.794	8.7	20.8
7 10	16 51.02	−15 38.2	1.894	2.787	12.1	21.0
7 20	16 46.97	−16 2.8	1.972	2.781	15.1	21.2
475604 2006 UA_{128}			6 10.1 208.°87	0.°4/10.0 16		
5 11	17 36.13	−22 35.9	2.166	3.056	10.7	21.9
5 21	17 30.13	−22 21.2	2.098	3.055	7.4	21.7
5 31	17 22.51	−22 4.4	2.055	3.055	3.8	21.4
6 10	17 14.04	−21 45.9	2.039	3.054	0.4	21.2
6 20	17 5.58	−21 26.7	2.051	3.053	3.8	21.4
6 30	16 57.99	−21 8.5	2.090	3.052	7.4	21.7
7 10	16 52.00	−20 53.0	2.154	3.051	10.7	21.9
7 20	16 48.07	−20 41.8	2.239	3.050	13.5	22.1
266999 5039 P–L			6 10.1 233.°87	2.°8/10.5 18		
5 11	17 42.00	−30 11.9	1.939	2.818	12.2	21.4
5 21	17 34.66	−30 32.8	1.857	2.806	8.9	21.2
5 31	17 25.05	−30 46.1	1.800	2.793	5.3	20.9
6 10	17 14.07	−30 49.5	1.770	2.779	2.8	20.8
6 20	17 2.88	−30 42.1	1.767	2.765	5.0	20.9
6 30	16 52.69	−30 25.5	1.791	2.750	8.7	21.1
7 10	16 44.56	−30 3.3	1.839	2.735	12.3	21.2
7 20	16 39.12	−29 39.3	1.909	2.719	15.5	21.4
262194 2006 SM_{161}			6 10.1 201.°18	0.°9/ 9.9 17		
5 11	17 40.20	−20 44.9	1.921	2.809	11.9	21.9
5 21	17 33.16	−20 39.4	1.849	2.806	8.3	21.7
5 31	17 24.16	−20 33.3	1.802	2.802	4.4	21.4
6 10	17 14.07	−20 26.7	1.782	2.797	0.9	21.1
6 20	17 3.90	−20 20.1	1.790	2.792	4.4	21.4
6 30	16 54.73	−20 14.9	1.825	2.786	8.5	21.6
7 10	16 47.42	−20 12.6	1.885	2.779	12.1	21.8
7 20	16 42.53	−20 14.5	1.965	2.772	15.2	22.0
10649 VOC			6 10.1 157.°90	3.°1/ 9.3 18		
5 11	17 36.49	−14 57.4	2.242	3.126	10.6	19.4
5 21	17 30.23	−14 23.4	2.179	3.131	7.6	19.2
5 31	17 22.51	−13 52.4	2.143	3.135	4.6	19.0
6 10	17 14.05	−13 26.3	2.133	3.139	3.1	18.9
6 20	17 5.64	−13 6.5	2.152	3.142	5.0	19.1
6 30	16 58.07	−12 54.4	2.198	3.146	8.0	19.3
7 10	16 52.00	−12 50.5	2.268	3.149	10.9	19.5
7 20	16 47.85	−12 54.7	2.360	3.151	13.4	19.6
428018 2006 BP_{159}			6 10.1 44.°03	0.°5/10.2 17		
5 11	17 38.13	−24 54.6	1.601	2.499	13.3	20.9
5 21	17 31.89	−24 45.7	1.545	2.506	9.3	20.7
5 31	17 23.52	−24 32.4	1.513	2.513	4.8	20.4
6 10	17 14.06	−24 14.4	1.505	2.521	0.5	20.1
6 20	17 4.70	−23 53.2	1.524	2.528	4.6	20.4
6 30	16 56.61	−23 31.0	1.569	2.536	9.0	20.7
7 10	16 50.71	−23 10.8	1.636	2.544	12.8	21.0
7 20	16 47.49	−22 54.9	1.723	2.553	16.1	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
257917 2000 VN_{62}			6 10.1 193.°94	0.°6/10.3 17		
	h m	° ′			°	m
5 11	17 41.64	−25 57.5	1.637	2.529	13.4	20.8
5 21	17 34.40	−25 37.5	1.570	2.528	9.4	20.5
5 31	17 24.86	−25 10.8	1.527	2.526	5.0	20.2
6 10	17 14.08	−24 37.6	1.509	2.524	0.7	19.9
6 20	17 3.33	−23 59.5	1.518	2.522	4.7	20.2
6 30	16 53.87	−23 20.1	1.554	2.519	9.3	20.5
7 10	16 46.70	−22 43.3	1.613	2.516	13.3	20.7
7 20	16 42.37	−22 12.3	1.692	2.512	16.7	20.9
123670 2000 YG_{83}			6 10.1 183.°23	4.°4/ 9.8 18		
5 11	17 38.23	− 9 39.8	2.053	2.928	11.8	19.9
5 21	17 31.62	− 9 44.0	1.986	2.928	8.8	19.7
5 31	17 23.31	− 9 57.3	1.944	2.928	5.8	19.5
6 10	17 14.07	−10 20.5	1.929	2.928	4.4	19.4
6 20	17 4.77	−10 53.4	1.942	2.928	5.9	19.5
6 30	16 56.33	−11 35.0	1.981	2.927	8.9	19.7
7 10	16 49.50	−12 23.8	2.046	2.925	12.0	19.9
7 20	16 44.79	−13 18.1	2.131	2.924	14.6	20.1
305617 2009 AX_{15}			6 10.1 216.°10	0.°3/10.2 17		
5 11	17 43.01	−23 24.8	1.715	2.603	13.1	21.6
5 21	17 35.44	−23 35.9	1.639	2.596	9.2	21.4
5 31	17 25.48	−23 44.6	1.587	2.587	4.8	21.1
6 10	17 14.10	−23 49.7	1.562	2.577	0.3	20.7
6 20	17 2.51	−23 50.8	1.564	2.567	4.7	21.0
6 30	16 52.04	−23 49.1	1.593	2.556	9.3	21.3
7 10	16 43.75	−23 46.9	1.646	2.544	13.4	21.5
7 20	16 38.29	−23 46.5	1.718	2.531	16.8	21.7
95908 2003 HX_{31}			6 10.1 4.°48	5.°7/ 8.8 17		
5 11	17 34.82	−13 12.2	1.311	2.218	15.0	19.3
5 21	17 29.80	−12 9.4	1.258	2.218	11.0	19.0
5 31	17 22.52	−11 13.2	1.226	2.218	7.3	18.8
6 10	17 14.06	−10 28.3	1.217	2.219	5.7	18.7
6 20	17 5.65	− 9 58.4	1.232	2.221	8.1	18.9
6 30	16 58.53	− 9 45.7	1.270	2.224	12.0	19.1
7 10	16 53.68	− 9 50.0	1.328	2.228	15.8	19.3
7 20	16 51.59	−10 9.2	1.404	2.233	19.1	19.6
176606 2002 EE_{65}			6 10.1 106.°08	1.°9/ 9.7 18		
5 11	17 35.12	−17 37.7	2.385	3.271	9.9	20.4
5 21	17 29.23	−17 21.6	2.326	3.281	7.0	20.2
5 31	17 21.98	−17 7.2	2.293	3.290	3.9	20.0
6 10	17 14.06	−16 55.2	2.287	3.299	1.9	19.9
6 20	17 6.19	−16 46.5	2.310	3.307	4.0	20.1
6 30	16 59.13	−16 42.1	2.360	3.316	7.1	20.3
7 10	16 53.47	−16 42.5	2.436	3.325	9.9	20.5
7 20	16 49.61	−16 48.0	2.533	3.333	12.4	20.7
508761 2017 UQ_{40}			6 10.1 221.°75	1.°0/10.3 17		
5 11	17 39.56	−26 28.3	1.887	2.775	12.1	21.7
5 21	17 32.80	−26 19.4	1.814	2.770	8.5	21.5
5 31	17 24.01	−26 4.6	1.766	2.765	4.6	21.2
6 10	17 14.10	−25 43.6	1.744	2.759	1.0	21.0
6 20	17 4.14	−25 17.2	1.750	2.753	4.3	21.2
6 30	16 55.25	−24 48.1	1.782	2.746	8.4	21.4
7 10	16 48.32	−24 19.2	1.839	2.740	12.1	21.6
7 20	16 43.90	−23 53.6	1.916	2.733	15.2	21.8
9749 Van den Eijnde			6 10.1 307.°50	1.°3/10.3 18		
5 11	17 38.64	−26 31.0	1.422	2.323	14.4	18.1
5 21	17 32.75	−26 26.1	1.348	2.310	10.2	17.8
5 31	17 24.21	−26 14.5	1.297	2.297	5.5	17.5
6 10	17 14.10	−25 55.2	1.269	2.284	1.3	17.2
6 20	17 3.79	−25 29.1	1.267	2.271	5.3	17.4
6 30	16 54.76	−24 59.2	1.289	2.259	10.2	17.7
7 10	16 48.19	−24 29.7	1.333	2.247	14.8	17.9
7 20	16 44.77	−24 4.3	1.395	2.235	18.6	18.1
79874 1998 YW_{15}			6 10.1 1.°74	2.°5/10.8 18		
5 11	17 35.25	−30 14.4	1.377	2.281	14.6	17.9
5 21	17 30.26	−29 56.8	1.318	2.279	10.5	17.7
5 31	17 22.82	−29 27.6	1.280	2.278	6.0	17.4
6 10	17 14.08	−28 46.8	1.266	2.279	2.6	17.2
6 20	17 5.42	−27 56.8	1.276	2.280	5.3	17.4
6 30	16 58.19	−27 2.0	1.311	2.283	9.8	17.6
7 10	16 53.42	−26 8.0	1.367	2.287	14.0	17.9
7 20	16 51.63	−25 19.2	1.442	2.293	17.6	18.1
437689 2014 DM_{25}			6 10.1 282.°59	4.°1/ 9.4 17		
5 11	17 35.87	−12 27.7	1.923	2.811	11.9	20.8
5 21	17 30.11	−12 7.4	1.853	2.804	8.7	20.6
5 31	17 22.59	−11 53.5	1.807	2.797	5.6	20.4
6 10	17 14.09	−11 47.6	1.787	2.789	4.1	20.3
6 20	17 5.50	−11 50.9	1.793	2.782	6.0	20.4
6 30	16 57.78	−12 3.8	1.825	2.775	9.2	20.5
7 10	16 51.71	−12 25.8	1.881	2.768	12.5	20.7
7 20	16 47.82	−12 56.0	1.957	2.761	15.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
41722 2000 UD_{80}			6 10.1	25°.09	0°.3/10.1	18
	h m	° ′			°	m
5 11	17 38.16	−23 37.0	1.121	2.036	16.3	17.8
5 21	17 32.48	−23 15.1	1.073	2.042	11.4	17.5
5 31	17 24.01	−22 48.8	1.046	2.049	5.9	17.2
6 10	17 14.12	−22 19.2	1.041	2.057	0.3	16.8
6 20	17 4.39	−21 48.7	1.060	2.065	5.8	17.3
6 30	16 56.38	−21 21.0	1.101	2.075	11.1	17.6
7 10	16 51.21	−20 59.5	1.163	2.085	15.8	17.9
7 20	16 49.38	−20 46.3	1.242	2.095	19.7	18.2
361996 2008 SP_{270}			6 10.1	254°.59	0°.2/10.2	17
5 11	17 41.63	−24 43.8	1.360	2.261	15.0	21.3
5 21	17 34.87	−24 26.5	1.290	2.252	10.6	21.0
5 31	17 25.31	−24 3.2	1.241	2.242	5.6	20.7
6 10	17 14.14	−23 33.8	1.217	2.232	0.3	20.2
6 20	17 2.82	−23 0.1	1.218	2.222	5.5	20.6
6 30	16 52.90	−22 25.6	1.244	2.212	10.7	20.9
7 10	16 45.61	−21 54.8	1.291	2.202	15.4	21.1
7 20	16 41.62	−21 30.9	1.357	2.191	19.4	21.3
523121 2016 SB_{53}			6 10.1	256°.97	1°.6/ 9.9	18
5 11	17 35.92	−17 15.5	2.323	3.209	10.2	21.5
5 21	17 29.99	−17 24.3	2.246	3.201	7.2	21.3
5 31	17 22.49	−17 36.1	2.195	3.192	4.0	21.1
6 10	17 14.11	−17 50.6	2.171	3.184	1.6	20.9
6 20	17 5.61	−18 7.8	2.176	3.175	4.0	21.1
6 30	16 57.82	−18 27.7	2.208	3.166	7.4	21.3
7 10	16 51.44	−18 50.4	2.265	3.157	10.5	21.4
7 20	16 46.97	−19 16.0	2.344	3.148	13.1	21.6
260159 2004 RJ_{52}			6 10.1	15°.39	15°.7/ 9.1	18
5 11	17 33.11	+17 23.2	1.704	2.482	18.0	19.2
5 21	17 28.19	+18 25.8	1.670	2.488	16.8	19.1
5 31	17 21.56	+18 56.1	1.653	2.496	16.0	19.0
6 10	17 14.10	+18 49.7	1.655	2.505	15.7	19.0
6 20	17 6.75	+18 5.7	1.675	2.514	16.1	19.1
6 30	17 0.44	+16 47.1	1.713	2.524	16.9	19.2
7 10	16 55.91	+15 0.0	1.769	2.536	18.1	19.3
7 20	16 53.60	+12 52.2	1.841	2.548	19.4	19.4
166679 2002 TS_{109}			6 10.1	325°.10	9°.0/ 9.0	16
5 11	17 34.58	− 1 44.0	1.602	2.474	14.7	18.9
5 21	17 29.50	− 1 10.4	1.532	2.458	12.1	18.7
5 31	17 22.40	− 0 54.5	1.484	2.444	9.8	18.5
6 10	17 14.11	− 1 0.2	1.458	2.429	9.0	18.5
6 20	17 5.64	− 1 29.4	1.456	2.415	10.2	18.5
6 30	16 58.08	− 2 21.3	1.477	2.402	12.8	18.6
7 10	16 52.36	− 3 32.3	1.519	2.390	15.8	18.8
7 20	16 49.09	− 4 57.6	1.579	2.378	18.7	18.9
93561 2000 UO_{37}			6 10.1	83°.89	2°.2/ 9.7	18
5 11	17 39.21	−18 14.7	1.790	2.681	12.4	18.9
5 21	17 32.27	−17 51.0	1.747	2.704	8.7	18.8
5 31	17 23.59	−17 28.9	1.728	2.726	4.7	18.6
6 10	17 14.14	−17 9.7	1.737	2.749	2.2	18.4
6 20	17 4.92	−16 54.7	1.772	2.771	4.9	18.7
6 30	16 56.92	−16 45.4	1.834	2.792	8.6	18.9
7 10	16 50.86	−16 42.5	1.919	2.814	11.9	19.2
7 20	16 47.15	−16 46.3	2.026	2.835	14.7	19.4
93019 2000 RE_{94}			6 10.1	137°.95	0°.8/10.3	18
5 11	17 39.95	−25 52.7	2.127	3.010	11.1	19.7
5 21	17 32.77	−25 47.3	2.068	3.022	7.8	19.5
5 31	17 23.88	−25 37.2	2.035	3.033	4.1	19.3
6 10	17 14.15	−25 22.1	2.028	3.043	0.8	19.1
6 20	17 4.52	−25 2.8	2.051	3.053	3.8	19.3
6 30	16 55.94	−24 41.3	2.101	3.062	7.5	19.6
7 10	16 49.14	−24 20.1	2.176	3.071	10.7	19.8
7 20	16 44.59	−24 1.3	2.273	3.079	13.4	20.0
236667 2006 OG_{16}			6 10.1	325°.07	0°.6/10.2	18
5 11	17 37.50	−23 29.4	1.779	2.674	12.3	19.8
5 21	17 31.53	−23 54.9	1.708	2.668	8.7	19.6
5 31	17 23.45	−24 19.2	1.662	2.662	4.5	19.3
6 10	17 14.15	−24 40.8	1.641	2.656	0.6	19.0
6 20	17 4.69	−24 58.8	1.646	2.650	4.4	19.3
6 30	16 56.22	−25 13.3	1.678	2.644	8.6	19.5
7 10	16 49.69	−25 25.9	1.734	2.639	12.4	19.7
7 20	16 45.70	−25 38.0	1.810	2.634	15.6	19.9
345503 2006 JJ_{44}			6 10.1	253°.67	0°.5/10.2	18
5 11	17 38.53	−23 28.3	1.880	2.772	11.9	20.7
5 21	17 32.12	−23 50.8	1.812	2.770	8.4	20.5
5 31	17 23.70	−24 11.7	1.768	2.768	4.4	20.2
6 10	17 14.16	−24 29.8	1.751	2.766	0.6	19.9
6 20	17 4.51	−24 44.3	1.761	2.764	4.2	20.2
6 30	16 55.84	−24 55.6	1.798	2.763	8.3	20.5
7 10	16 49.06	−25 5.2	1.859	2.761	11.9	20.7
7 20	16 44.74	−25 14.8	1.941	2.759	15.0	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
174528 2003 EL_{15}			6 10.1	7°.08	4°.2/11.3	17
	h m	° ′			°	m
5 11	17 38.83	−35 50.3	2.131	3.000	11.7	19.8
5 21	17 32.22	−35 57.2	2.063	3.000	8.8	19.7
5 31	17 23.69	−35 52.1	2.019	3.000	6.0	19.5
6 10	17 14.15	−35 33.5	2.001	3.000	4.2	19.4
6 20	17 4.65	−35 1.8	2.010	3.000	5.3	19.4
6 30	16 56.25	−34 19.7	2.046	3.000	8.1	19.6
7 10	16 49.77	−33 31.3	2.106	3.001	11.0	19.8
7 20	16 45.72	−32 41.2	2.188	3.001	13.7	20.0
397060 2005 UJ_{139}			6 10.1	293°.95	0°.8/ 9.9	18
5 11	17 36.01	−22 33.9	2.110	3.001	10.8	20.2
5 21	17 30.24	−22 0.2	2.022	2.980	7.6	19.9
5 31	17 22.70	−21 22.9	1.959	2.959	4.0	19.7
6 10	17 14.14	−20 42.9	1.923	2.937	0.8	19.4
6 20	17 5.45	−20 2.4	1.914	2.916	4.2	19.6
6 30	16 57.55	−19 23.9	1.933	2.895	8.0	19.8
7 10	16 51.25	−18 50.1	1.976	2.873	11.5	20.0
7 20	16 47.09	−18 22.9	2.041	2.852	14.6	20.1
269712 1998 FZ_{120}			6 10.1	80°.36	6°.9/11.2	18
5 11	17 43.81	−39 26.1	1.720	2.583	14.3	20.2
5 21	17 36.15	−40 16.9	1.669	2.596	11.2	20.1
5 31	17 25.87	−40 51.3	1.640	2.608	8.4	19.9
6 10	17 14.19	−41 5.0	1.636	2.620	6.9	19.9
6 20	17 2.58	−40 56.9	1.657	2.632	7.8	20.0
6 30	16 52.52	−40 29.7	1.703	2.644	10.4	20.1
7 10	16 45.10	−39 49.6	1.771	2.656	13.2	20.3
7 20	16 40.89	−39 2.9	1.860	2.669	15.9	20.5
475306 2005 YR_{1}			6 10.1	224°.54	7°.1/12.6	18
5 11	17 44.40	−51 19.6	3.190	3.970	10.4	22.5
5 21	17 35.96	−51 43.0	3.107	3.958	9.0	22.4
5 31	17 25.59	−51 50.3	3.047	3.946	7.7	22.3
6 10	17 14.19	−51 38.5	3.012	3.934	7.1	22.2
6 20	17 2.78	−51 6.9	3.004	3.921	7.3	22.2
6 30	16 52.43	−50 17.3	3.022	3.907	8.3	22.2
7 10	16 43.98	−49 13.8	3.064	3.893	9.8	22.3
7 20	16 37.94	−48 1.4	3.129	3.879	11.3	22.4
396993 2005 SG_{194}			6 10.1	282°.25	1°.2/ 9.8	18
5 11	17 35.71	−20 26.9	2.234	3.123	10.4	21.3
5 21	17 29.96	−20 7.9	2.147	3.104	7.3	21.1
5 31	17 22.54	−19 48.0	2.084	3.084	3.9	20.8
6 10	17 14.15	−19 27.9	2.049	3.063	1.2	20.6
6 20	17 5.61	−19 8.8	2.042	3.043	4.1	20.7
6 30	16 57.79	−18 52.1	2.062	3.023	7.7	20.9
7 10	16 51.45	−18 39.6	2.107	3.002	11.0	21.1
7 20	16 47.12	−18 32.4	2.174	2.981	13.9	21.3
501179 2013 TM_{99}			6 10.1	226°.61	4°.4/10.8	18
5 11	17 43.11	−35 44.1	2.295	3.155	11.3	22.8
5 21	17 35.32	−36 13.0	2.210	3.142	8.6	22.6
5 31	17 25.40	−36 31.4	2.150	3.128	5.9	22.4
6 10	17 14.21	−36 36.3	2.117	3.113	4.4	22.3
6 20	17 2.80	−36 26.7	2.112	3.097	5.6	22.3
6 30	16 52.33	−36 4.0	2.135	3.081	8.3	22.5
7 10	16 43.76	−35 32.0	2.182	3.064	11.2	22.6
7 20	16 37.71	−34 55.3	2.252	3.046	13.9	22.8
392635 2011 UJ_{97}			6 10.1	64°.34	5°.7/ 8.3	17
5 11	17 35.07	− 8 48.1	2.054	2.933	11.6	20.9
5 21	17 29.27	− 7 39.3	2.007	2.946	8.9	20.8
5 31	17 22.05	− 6 38.6	1.985	2.960	6.5	20.6
6 10	17 14.16	− 5 49.7	1.989	2.974	5.8	20.6
6 20	17 6.41	− 5 15.0	2.020	2.988	7.2	20.7
6 30	16 59.58	− 4 55.8	2.076	3.002	9.6	20.9
7 10	16 54.31	− 4 51.6	2.155	3.016	12.2	21.1
7 20	16 50.96	− 5 0.7	2.255	3.030	14.4	21.3
410766 2009 DR_{130}			6 10.1	79°.04	3°.5/ 9.6	17
5 11	17 39.91	−16 23.5	1.362	2.263	14.9	21.1
5 21	17 33.25	−15 50.6	1.314	2.275	10.6	20.9
5 31	17 24.29	−15 21.8	1.289	2.286	6.1	20.6
6 10	17 14.19	−14 59.2	1.288	2.297	3.5	20.5
6 20	17 4.27	−14 45.0	1.311	2.309	6.5	20.7
6 30	16 55.80	−14 40.5	1.359	2.320	10.8	21.0
7 10	16 49.74	−14 46.4	1.429	2.331	14.8	21.2
7 20	16 46.57	−15 1.7	1.517	2.342	18.1	21.5
492381 2014 HR_{139}			6 10.1	8°.64	3°.4/10.5	17
5 11	17 38.51	−31 32.8	2.176	3.053	11.1	20.9
5 21	17 32.03	−32 12.6	2.108	3.054	8.2	20.7
5 31	17 23.65	−32 45.5	2.065	3.054	5.2	20.5
6 10	17 14.19	−33 8.7	2.049	3.054	3.4	20.4
6 20	17 4.62	−33 21.2	2.061	3.054	4.9	20.5
6 30	16 55.97	−33 23.6	2.099	3.054	7.9	20.7
7 10	16 49.11	−33 18.5	2.162	3.055	10.9	20.9
7 20	16 44.58	−33 9.0	2.246	3.055	13.5	21.1

347158 2011 EA_{72} 6 10.1 108°.19 8°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 36.93	− 1 59.3	1.850	2.712	13.5	20.7
5 21	17 30.70	− 1 2.8	1.803	2.722	11.0	20.5
5 31	17 22.84	− 0 21.4	1.780	2.733	9.0	20.4
6 10	17 14.18	+ 0 1.2	1.780	2.744	8.3	20.4
6 20	17 5.63	+ 0 3.3	1.806	2.754	9.4	20.5
6 30	16 58.08	− 0 14.8	1.856	2.764	11.6	20.7
7 10	16 52.26	− 0 50.6	1.928	2.774	14.0	20.8
7 20	16 48.58	− 1 40.5	2.019	2.783	16.2	21.0

166806 2002 VP_{70} 6 10.1 205°.23 0°.6/10.0 18

5 11	17 37.08	−21 19.4	2.158	3.046	10.7	20.2
5 21	17 30.87	−21 19.5	2.088	3.044	7.5	20.0
5 31	17 22.99	−21 18.9	2.043	3.042	3.9	19.7
6 10	17 14.19	−21 17.7	2.025	3.040	0.6	19.5
6 20	17 5.34	−21 16.1	2.035	3.038	3.9	19.7
6 30	16 57.35	−21 15.1	2.073	3.035	7.5	19.9
7 10	16 50.96	−21 15.9	2.135	3.032	10.8	20.1
7 20	16 46.67	−21 19.5	2.219	3.029	13.6	20.3

165191 2000 QX_{231} 6 10.1 218°.08 3°.4/ 9.6 17

5 11	17 40.62	−14 39.3	1.761	2.647	12.9	20.9
5 21	17 33.63	−14 24.2	1.687	2.640	9.3	20.7
5 31	17 24.53	−14 13.9	1.638	2.631	5.6	20.4
6 10	17 14.21	−14 9.7	1.614	2.622	3.4	20.3
6 20	17 3.75	−14 12.5	1.618	2.612	5.9	20.4
6 30	16 54.28	−14 23.1	1.648	2.602	9.8	20.6
7 10	16 46.75	−14 41.6	1.702	2.591	13.5	20.8
7 20	16 41.76	−15 7.4	1.775	2.579	16.7	21.0

283675 2002 QS_{21} 6 10.1 280°.87 3°.2/ 9.7 18

5 11	17 36.44	−14 34.8	1.896	2.786	11.9	20.6
5 21	17 30.57	−14 22.5	1.826	2.780	8.6	20.4
5 31	17 22.89	−14 15.2	1.779	2.773	5.2	20.2
6 10	17 14.19	−14 13.9	1.759	2.767	3.2	20.1
6 20	17 5.40	−14 19.4	1.766	2.761	5.4	20.2
6 30	16 57.50	−14 32.3	1.799	2.755	8.9	20.4
7 10	16 51.31	−14 52.4	1.856	2.749	12.4	20.6
7 20	16 47.35	−15 19.1	1.933	2.742	15.3	20.8

183350 2002 VC_{110} 6 10.1 310°.37 1°.2/10.2 18

5 11	17 38.53	−24 42.6	1.337	2.243	14.8	19.8
5 21	17 32.96	−25 2.1	1.259	2.223	10.6	19.5
5 31	17 24.51	−25 19.0	1.203	2.204	5.7	19.2
6 10	17 14.22	−25 31.2	1.170	2.185	1.2	18.8
6 20	17 3.50	−25 37.5	1.162	2.166	5.6	19.1
6 30	16 53.97	−25 39.1	1.177	2.148	10.9	19.3
7 10	16 46.98	−25 38.6	1.213	2.130	15.7	19.5
7 20	16 43.37	−25 39.0	1.267	2.113	19.8	19.7

379038 2008 WC_{13} 6 10.1 136°.26 9°.2/ 8.8 18

5 11	17 57.62	−33 34.9	1.113	1.995	19.0	21.0
5 21	17 47.56	−36 31.3	1.063	2.004	14.7	20.8
5 31	17 32.63	−39 17.9	1.035	2.013	10.7	20.6
6 10	17 14.34	−41 37.2	1.033	2.021	9.2	20.5
6 20	16 55.22	−43 16.6	1.055	2.029	11.5	20.7
6 30	16 38.23	−44 14.4	1.101	2.036	15.4	20.9
7 10	16 25.67	−44 39.6	1.167	2.042	19.3	21.2
7 20	16 18.56	−44 44.5	1.249	2.048	22.7	21.4

105559 2000 RN_{54} 6 10.1 252°.23 1°.1/10.5 18

5 11	17 36.97	−27 38.8	2.383	3.264	10.1	19.4
5 21	17 30.74	−27 20.6	2.301	3.254	7.2	19.2
5 31	17 22.90	−26 56.3	2.246	3.243	3.9	19.0
6 10	17 14.20	−26 25.8	2.218	3.232	1.1	18.7
6 20	17 5.46	−25 50.4	2.219	3.221	3.6	18.9
6 30	16 57.53	−25 12.3	2.247	3.209	7.0	19.1
7 10	16 51.14	−24 34.4	2.301	3.198	10.1	19.3
7 20	16 46.76	−23 59.2	2.378	3.186	12.8	19.5

441338 2008 CD_{137} 6 10.1 353°.86 2°.1/ 9.8 15

5 11	17 33.89	−18 28.9	1.585	2.490	13.0	20.4
5 21	17 29.05	−18 15.1	1.521	2.484	9.2	20.2
5 31	17 22.18	−18 3.3	1.480	2.480	5.0	19.9
6 10	17 14.19	−17 54.7	1.463	2.476	2.1	19.7
6 20	17 6.15	−17 50.2	1.472	2.474	5.2	19.9
6 30	16 59.15	−17 51.2	1.505	2.472	9.4	20.2
7 10	16 54.12	−17 58.3	1.561	2.471	13.3	20.4
7 20	16 51.59	−18 11.7	1.636	2.471	16.6	20.6

42202 2001 DC_{31} 6 10.1 273°.73 3°.3/ 9.5 18

5 11	17 34.26	−12 45.1	2.381	3.263	10.1	19.2
5 21	17 28.76	−12 33.0	2.310	3.259	7.4	19.0
5 31	17 21.86	−12 26.2	2.264	3.254	4.7	18.8
6 10	17 14.19	−12 25.7	2.246	3.249	3.3	18.7
6 20	17 6.48	−12 32.1	2.255	3.245	4.9	18.8
6 30	16 59.46	−12 45.7	2.291	3.240	7.7	19.0
7 10	16 53.76	−13 6.2	2.352	3.235	10.5	19.2
7 20	16 49.84	−13 32.9	2.435	3.231	12.9	19.3

185080 2006 RJ_{73} 6 10.1 165°.67 0°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.09	−25 7.4	2.479	3.361	9.8	21.5
5 21	17 30.70	−25 7.6	2.411	3.364	6.8	21.4
5 31	17 22.85	−25 4.5	2.369	3.367	3.6	21.2
6 10	17 14.22	−24 57.7	2.355	3.370	0.6	20.9
6 20	17 5.59	−24 47.7	2.370	3.373	3.4	21.1
6 30	16 57.77	−24 35.6	2.413	3.375	6.6	21.4
7 10	16 51.42	−24 23.3	2.482	3.376	9.6	21.5
7 20	16 46.96	−24 12.4	2.573	3.378	12.1	21.7

77235 2001 FA_{39} 6 10.1 8°.86 2°.2/10.6 17

5 11	17 39.50	−29 8.2	1.267	2.171	15.6	18.6
5 21	17 33.42	−28 52.4	1.210	2.171	11.2	18.3
5 31	17 24.56	−28 25.4	1.173	2.172	6.2	18.0
6 10	17 14.24	−27 46.9	1.160	2.174	2.2	17.8
6 20	17 4.00	−26 59.3	1.171	2.176	5.6	18.0
6 30	16 55.39	−26 7.3	1.206	2.178	10.6	18.3
7 10	16 49.57	−25 16.9	1.263	2.181	15.1	18.5
7 20	16 47.05	−24 32.7	1.337	2.185	18.9	18.8

1025 Riema 6 10.1 99°.77 22°.8/ 7.4 18

5 11	17 40.09	+23 25.4	1.219	1.981	24.6	15.5
5 21	17 33.63	+25 21.6	1.194	1.986	23.6	15.4
5 31	17 24.59	+26 30.6	1.181	1.991	23.0	15.3
6 10	17 14.24	+26 44.4	1.183	1.995	22.9	15.4
6 20	17 4.04	+26 0.9	1.197	2.000	23.2	15.4
6 30	16 55.42	+24 24.3	1.226	2.004	24.1	15.5
7 10	16 49.44	+22 4.5	1.267	2.009	25.2	15.6
7 20	16 46.61	+19 13.5	1.320	2.013	26.3	15.7

361650 2007 TR_{320} 6 10.1 346°.84 3°.1/10.5 17

5 11	17 35.78	−28 10.8	0.969	1.890	17.6	19.7
5 21	17 31.56	−28 32.6	0.910	1.880	12.7	19.4
5 31	17 23.93	−28 45.7	0.870	1.871	7.3	19.1
6 10	17 14.23	−28 47.2	0.850	1.863	3.1	18.8
6 20	17 4.30	−28 36.1	0.852	1.857	6.8	19.0
6 30	16 56.11	−28 15.7	0.874	1.852	12.5	19.3
7 10	16 51.20	−27 51.2	0.914	1.849	17.7	19.6
7 20	16 50.28	−27 27.8	0.971	1.848	22.1	19.8

471752 2012 UE_{91} 6 10.1 165°.56 2°.3/ 9.7 17

5 11	17 37.30	−16 58.2	2.030	2.919	11.3	21.2
5 21	17 31.03	−16 44.7	1.966	2.921	8.0	21.0
5 31	17 23.07	−16 33.7	1.926	2.922	4.5	20.7
6 10	17 14.22	−16 26.1	1.913	2.924	2.3	20.6
6 20	17 5.37	−16 22.7	1.928	2.925	4.7	20.8
6 30	16 57.43	−16 24.3	1.970	2.927	8.2	21.0
7 10	16 51.15	−16 31.5	2.036	2.928	11.5	21.2
7 20	16 47.01	−16 44.4	2.123	2.928	14.3	21.4

46843 1998 QO_{22} 6 10.1 297°.66 2°.2/10.4 18

5 11	17 39.95	−27 5.7	1.433	2.332	14.5	18.4
5 21	17 33.94	−27 28.5	1.349	2.309	10.4	18.1
5 31	17 25.04	−27 46.3	1.287	2.286	5.9	17.8
6 10	17 14.25	−27 56.3	1.249	2.262	2.2	17.5
6 20	17 2.97	−27 57.1	1.236	2.239	5.7	17.7
6 30	16 52.79	−27 49.9	1.247	2.216	10.7	17.9
7 10	16 45.11	−27 38.2	1.280	2.193	15.4	18.1
7 20	16 40.77	−27 26.1	1.332	2.170	19.4	18.3

34232 2000 QL_{94} 6 10.1 299°.63 4°.1/ 9.7 18 R

5 11	17 35.55	−11 19.3	2.001	2.886	11.6	18.6
5 21	17 29.90	−11 12.5	1.928	2.877	8.6	18.4
5 31	17 22.55	−11 13.4	1.880	2.868	5.6	18.2
6 10	17 14.22	−11 23.2	1.857	2.859	4.1	18.1
6 20	17 5.77	−11 42.4	1.861	2.850	5.8	18.2
6 30	16 58.11	−12 10.7	1.891	2.841	9.0	18.4
7 10	16 52.03	−12 47.2	1.946	2.833	12.1	18.5
7 20	16 48.04	−13 30.4	2.020	2.824	15.0	18.7

153102 2000 SB_{30} 6 10.1 294°.99 2°.7/10.4 17

5 11	17 39.63	−28 26.1	1.614	2.507	13.5	20.3
5 21	17 33.46	−28 52.6	1.530	2.486	9.8	20.0
5 31	17 24.68	−29 13.2	1.469	2.466	5.7	19.7
6 10	17 14.25	−29 25.2	1.434	2.445	2.7	19.5
6 20	17 3.44	−29 27.2	1.424	2.425	5.4	19.6
6 30	16 53.66	−29 20.3	1.439	2.404	9.8	19.8
7 10	16 46.15	−29 7.8	1.477	2.384	14.0	20.0
7 20	16 41.68	−28 53.4	1.534	2.364	17.7	20.2

157623 2005 WG_{105} 6 10.2 175°.05 6°.8/ 8.3 18

5 11	17 37.14	− 6 3.9	1.951	2.822	12.5	20.7
5 21	17 30.89	− 5 4.5	1.892	2.824	9.8	20.6
5 31	17 22.99	− 4 15.4	1.857	2.825	7.6	20.4
6 10	17 14.23	− 3 40.3	1.848	2.826	6.8	20.4
6 20	17 5.50	− 3 21.7	1.865	2.826	8.2	20.5
6 30	16 57.69	− 3 20.4	1.907	2.827	10.7	20.6
7 10	16 51.53	− 3 35.3	1.971	2.826	13.4	20.8
7 20	16 47.47	− 4 4.0	2.055	2.826	15.8	21.0

470831 2008 WO_{94} 6 10.2 276°.57 1°.5/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.60	−19 7.7	1.827	2.721	12.1	21.6
5 21	17 31.55	−19 5.8	1.751	2.709	8.6	21.4
5 31	17 23.49	−19 5.3	1.699	2.698	4.6	21.1
6 10	17 14.25	−19 6.4	1.673	2.687	1.5	20.9
6 20	17 4.85	−19 9.5	1.674	2.675	4.7	21.1
6 30	16 56.36	−19 15.4	1.701	2.664	8.8	21.3
7 10	16 49.71	−19 25.0	1.752	2.652	12.6	21.5
7 20	16 45.48	−19 39.0	1.823	2.641	15.8	21.7

430204 2013 TU_{141} 6 10.2 171°.41 0°.2/10.2 17

5 11	17 39.79	−23 41.8	1.863	2.752	12.1	22.1
5 21	17 32.97	−23 44.1	1.797	2.754	8.5	21.9
5 31	17 24.15	−23 43.6	1.756	2.756	4.4	21.6
6 10	17 14.26	−23 39.7	1.742	2.757	0.3	21.3
6 20	17 4.36	−23 32.9	1.755	2.758	4.3	21.6
6 30	16 55.52	−23 24.5	1.795	2.759	8.3	21.9
7 10	16 48.64	−23 16.8	1.859	2.759	12.0	22.1
7 20	16 44.23	−23 11.5	1.944	2.759	15.1	22.3

75287 1999 XD_{25} 6 10.2 227°.64 1°.2/ 9.9 18

5 11	17 40.50	−20 13.6	1.885	2.773	12.1	20.2
5 21	17 33.53	−20 2.6	1.806	2.762	8.5	20.0
5 31	17 24.50	−19 51.1	1.752	2.751	4.5	19.7
6 10	17 14.28	−19 39.5	1.725	2.739	1.2	19.4
6 20	17 3.89	−19 28.6	1.725	2.726	4.6	19.7
6 30	16 54.45	−19 20.0	1.752	2.712	8.8	19.9
7 10	16 46.90	−19 15.3	1.804	2.698	12.6	20.1
7 20	16 41.81	−19 15.8	1.876	2.683	15.8	20.3

460412 2014 SS_{123} 6 10.2 114°.34 4°.9/ 9.4 17

5 11	17 40.75	−11 44.5	1.611	2.498	13.9	21.6
5 21	17 33.55	−11 12.6	1.565	2.514	10.2	21.4
5 31	17 24.38	−10 48.9	1.541	2.529	6.6	21.3
6 10	17 14.28	−10 35.5	1.543	2.544	4.9	21.2
6 20	17 4.36	−10 33.7	1.572	2.559	6.9	21.3
6 30	16 55.71	−10 44.0	1.626	2.573	10.4	21.6
7 10	16 49.16	−11 5.3	1.702	2.586	13.7	21.8
7 20	16 45.15	−11 36.0	1.798	2.599	16.6	22.0

106627 2000 WG_{126} 6 10.2 111°.04 0°.5/10.2 18

5 11	17 42.60	−24 43.6	1.620	2.511	13.5	20.0
5 21	17 34.96	−24 39.0	1.570	2.527	9.5	19.8
5 31	17 25.15	−24 29.8	1.544	2.543	4.9	19.6
6 10	17 14.30	−24 15.7	1.544	2.559	0.5	19.3
6 20	17 3.65	−23 57.7	1.571	2.574	4.6	19.6
6 30	16 54.42	−23 38.3	1.624	2.589	9.0	19.9
7 10	16 47.51	−23 20.4	1.701	2.603	12.8	20.2
7 20	16 43.37	−23 6.4	1.798	2.617	15.9	20.4

279662 2011 FB_{11} 6 10.2 209°.89 1°.6/10.5 17

5 11	17 39.68	−27 23.7	1.750	2.640	12.7	20.8
5 21	17 33.06	−27 28.6	1.683	2.639	9.1	20.5
5 31	17 24.27	−27 27.1	1.641	2.638	5.0	20.3
6 10	17 14.29	−27 18.4	1.624	2.637	1.7	20.1
6 20	17 4.27	−27 2.6	1.633	2.636	4.6	20.3
6 30	16 55.42	−26 42.0	1.669	2.635	8.7	20.5
7 10	16 48.68	−26 19.9	1.729	2.633	12.5	20.7
7 20	16 44.62	−25 59.3	1.809	2.632	15.7	20.9

505504 2013 WA_{87} 6 10.2 171°.80 6°.0/ 9.8 18

5 11	17 45.74	−35 10.3	1.857	2.724	13.2	20.8
5 21	17 37.69	−36 46.0	1.791	2.725	10.2	20.6
5 31	17 26.88	−38 12.4	1.751	2.725	7.3	20.4
6 10	17 14.33	−39 22.8	1.737	2.726	6.0	20.3
6 20	17 1.38	−40 13.0	1.750	2.726	7.4	20.4
6 30	16 49.54	−40 42.6	1.790	2.727	10.2	20.6
7 10	16 40.09	−40 55.1	1.853	2.727	13.3	20.8
7 20	16 33.80	−40 55.8	1.935	2.727	16.0	21.0

203058 2000 GO_{180} 6 10.2 8°.16 0°.5/10.1 17

5 11	17 36.73	−22 18.1	1.794	2.690	12.2	20.1
5 21	17 30.87	−22 10.1	1.731	2.691	8.5	19.9
5 31	17 23.08	−22 0.4	1.691	2.691	4.4	19.7
6 10	17 14.27	−21 49.2	1.677	2.692	0.5	19.4
6 20	17 5.46	−21 37.3	1.690	2.694	4.3	19.7
6 30	16 57.69	−21 26.4	1.729	2.695	8.4	19.9
7 10	16 51.81	−21 18.3	1.792	2.697	12.1	20.1
7 20	16 48.34	−21 14.4	1.875	2.698	15.2	20.4

60427 2000 CV_{50} 6 10.2 184°.48 0°.2/10.1 17

5 11	17 40.75	−23 1.2	2.024	2.909	11.5	20.9
5 21	17 33.51	−22 52.8	1.954	2.910	8.1	20.6
5 31	17 24.41	−22 41.6	1.910	2.909	4.2	20.4
6 10	17 14.30	−22 27.6	1.893	2.909	0.2	20.1
6 20	17 4.18	−22 11.7	1.905	2.907	4.1	20.4
6 30	16 55.06	−21 55.5	1.944	2.905	8.0	20.6
7 10	16 47.78	−21 41.3	2.008	2.902	11.5	20.8
7 20	16 42.83	−21 30.9	2.093	2.898	14.4	21.0

504801 2010 CY_3 6 10.2 100°.04 7°.9/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 46.48	−46 18.3	2.090	2.914	13.6	21.1
5 21	17 37.76	−46 52.8	2.041	2.933	11.2	21.0
5 31	17 26.63	−47 7.4	2.015	2.952	9.1	20.9
6 10	17 14.34	−46 58.6	2.013	2.970	8.0	20.8
6 20	17 2.31	−46 26.2	2.037	2.987	8.4	20.9
6 30	16 51.90	−45 33.9	2.086	3.005	10.0	21.0
7 10	16 44.08	−44 28.3	2.159	3.022	12.1	21.2
7 20	16 39.32	−43 16.2	2.253	3.039	14.1	21.4

145620 2006 QE_{94} 6 10.2 236°.09 0°.0/10.2 18 R

5 11	17 37.10	−23 20.9	2.300	3.186	10.3	21.0
5 21	17 30.89	−23 14.9	2.221	3.177	7.2	20.8
5 31	17 23.05	−23 6.5	2.168	3.168	3.7	20.5
6 10	17 14.29	−22 55.7	2.143	3.158	0.1	20.2
6 20	17 5.45	−22 42.9	2.146	3.148	3.7	20.5
6 30	16 57.39	−22 29.6	2.176	3.138	7.2	20.7
7 10	16 50.85	−22 17.4	2.232	3.128	10.4	20.9
7 20	16 46.34	−22 8.1	2.310	3.117	13.2	21.1

32839 1992 EY_8 6 10.2 98°.57 1°.7/ 9.9 18

5 11	17 36.26	−17 30.9	2.237	3.124	10.5	19.1
5 21	17 30.18	−17 31.0	2.179	3.133	7.4	18.9
5 31	17 22.62	−17 33.4	2.145	3.143	4.0	18.7
6 10	17 14.29	−17 38.5	2.140	3.152	1.7	18.6
6 20	17 6.01	−17 46.2	2.162	3.161	4.1	18.7
6 30	16 58.56	−17 57.1	2.212	3.170	7.3	19.0
7 10	16 52.62	−18 11.4	2.286	3.179	10.4	19.2
7 20	16 48.62	−18 29.2	2.383	3.188	12.9	19.4

425981 2011 HG_{74} 6 10.2 48°.31 8°.3/ 8.8 17

5 11	17 36.04	− 2 26.4	1.759	2.626	13.8	20.8
5 21	17 30.27	− 1 39.1	1.704	2.628	11.2	20.7
5 31	17 22.75	− 1 7.3	1.672	2.630	9.1	20.5
6 10	17 14.30	− 0 54.5	1.664	2.633	8.3	20.5
6 20	17 5.88	− 1 2.4	1.681	2.636	9.5	20.6
6 30	16 58.44	− 1 30.6	1.722	2.638	11.8	20.7
7 10	16 52.75	− 2 16.3	1.784	2.641	14.5	20.9
7 20	16 49.29	− 3 15.8	1.865	2.644	16.9	21.1

173628 2001 FF_{66} 6 10.2 79°.63 1°.1/10.0 18

5 11	17 40.79	−20 11.2	1.439	2.338	14.4	20.2
5 21	17 33.90	−20 13.4	1.390	2.351	10.1	20.0
5 31	17 24.70	−20 16.4	1.364	2.365	5.3	19.8
6 10	17 14.34	−20 19.8	1.364	2.378	1.1	19.5
6 20	17 4.12	−20 24.0	1.389	2.392	5.1	19.8
6 30	16 55.33	−20 29.9	1.439	2.405	9.7	20.1
7 10	16 48.93	−20 38.8	1.511	2.418	13.8	20.4
7 20	16 45.43	−20 51.6	1.603	2.431	17.1	20.7

432807 2011 GE_{42} 6 10.2 186°.16 12°.2/12.2 17

5 11	17 58.22	−59 38.3	2.313	3.048	15.0	21.5
5 21	17 47.30	−61 2.0	2.253	3.048	13.7	21.4
5 31	17 32.19	−62 0.8	2.212	3.047	12.7	21.3
6 10	17 14.46	−62 27.0	2.193	3.046	12.2	21.3
6 20	16 56.40	−62 17.4	2.196	3.044	12.4	21.3
6 30	16 40.45	−61 34.3	2.220	3.042	13.2	21.3
7 10	16 28.42	−60 25.5	2.265	3.039	14.4	21.4
7 20	16 21.07	−59 0.7	2.328	3.035	15.8	21.5

43513 2001 DG_4 6 10.2 243°.37 0°.4/10.2 18

5 11	17 41.57	−22 45.2	1.604	2.498	13.5	19.1
5 21	17 34.66	−23 9.4	1.530	2.489	9.5	18.8
5 31	17 25.27	−23 33.0	1.479	2.479	5.0	18.5
6 10	17 14.37	−23 54.2	1.454	2.469	0.4	18.2
6 20	17 3.20	−24 11.7	1.456	2.459	4.9	18.5
6 30	16 53.14	−24 25.9	1.483	2.449	9.6	18.7
7 10	16 45.32	−24 38.5	1.534	2.438	13.8	19.0
7 20	16 40.42	−24 51.3	1.604	2.427	17.4	19.2

249623 1999 TP_{46} 6 10.2 336°.79 7°.1/10.9 18

5 11	17 41.17	−41 56.3	2.127	2.974	12.5	20.2
5 21	17 34.29	−42 57.0	2.059	2.971	10.2	20.0
5 31	17 25.03	−43 43.5	2.015	2.968	8.1	19.9
6 10	17 14.36	−44 11.3	1.996	2.966	7.1	19.8
6 20	17 3.49	−44 18.5	2.003	2.963	7.8	19.8
6 30	16 53.72	−44 6.2	2.034	2.961	9.8	19.9
7 10	16 46.13	−43 38.8	2.089	2.959	12.2	20.1
7 20	16 41.37	−43 1.7	2.164	2.957	14.4	20.2

46031 2001 DB_{29} 6 10.2 333°.43 1°.9/10.0 18

5 11	17 35.29	−19 7.9	1.102	2.020	16.2	18.1
5 21	17 30.92	−19 8.9	1.033	2.003	11.5	17.8
5 31	17 23.57	−19 13.2	0.984	1.986	6.2	17.4
6 10	17 14.35	−19 21.4	0.957	1.971	1.9	17.1
6 20	17 4.75	−19 33.7	0.952	1.957	6.4	17.3
6 30	16 56.47	−19 50.7	0.969	1.944	12.0	17.6
7 10	16 50.93	−20 13.1	1.005	1.932	17.2	17.8
7 20	16 48.94	−20 41.1	1.057	1.922	21.6	18.1

397425 2007 BU_4 6 10.2 167°.81 3°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 35.42	− 9 6.6	2.844	3.710	9.2	21.9
5 21	17 29.38	− 9 6.9	2.777	3.714	6.9	21.8
5 31	17 22.16	− 9 14.1	2.737	3.717	4.7	21.6
6 10	17 14.33	− 9 28.6	2.725	3.720	3.7	21.6
6 20	17 6.48	− 9 50.8	2.742	3.722	4.8	21.7
6 30	16 59.24	−10 20.0	2.787	3.725	7.0	21.8
7 10	16 53.14	−10 55.6	2.858	3.726	9.3	22.0
7 20	16 48.55	−11 36.2	2.952	3.728	11.4	22.1

383871 2008 RF_{38} 6 10.2 249°.87 2°.2/10.6 17

5 11	17 39.93	−29 2.8	1.944	2.827	12.0	21.4
5 21	17 33.24	−29 13.7	1.865	2.816	8.6	21.2
5 31	17 24.42	−29 17.7	1.810	2.805	5.0	20.9
6 10	17 14.37	−29 13.2	1.782	2.793	2.3	20.7
6 20	17 4.15	−29 0.1	1.781	2.781	4.6	20.9
6 30	16 54.92	−28 40.0	1.806	2.769	8.4	21.1
7 10	16 47.64	−28 16.3	1.856	2.756	12.0	21.3
7 20	16 42.91	−27 52.3	1.927	2.743	15.1	21.5

297732 2001 WE_{57} 6 10.2 264°.56 2°.0/ 9.6 17

5 11	17 35.99	−18 48.3	2.153	3.042	10.7	21.1
5 21	17 30.13	−18 10.8	2.078	3.034	7.6	20.8
5 31	17 22.67	−17 33.0	2.029	3.026	4.2	20.6
6 10	17 14.34	−16 56.6	2.007	3.018	2.0	20.5
6 20	17 5.97	−16 23.5	2.012	3.010	4.5	20.6
6 30	16 58.43	−15 55.9	2.045	3.002	8.0	20.8
7 10	16 52.43	−15 35.5	2.102	2.993	11.2	21.0
7 20	16 48.45	−15 22.9	2.181	2.985	14.0	21.2

145422 2005 PT_{20} 6 10.2 307°.18 1°.0/ 9.9 18

5 11	17 33.17	−19 20.2	2.727	3.613	8.8	19.8
5 21	17 28.07	−19 21.2	2.632	3.587	6.2	19.6
5 31	17 21.61	−19 23.0	2.563	3.561	3.3	19.3
6 10	17 14.33	−19 25.9	2.522	3.535	1.0	19.1
6 20	17 6.88	−19 30.2	2.509	3.510	3.4	19.3
6 30	16 59.94	−19 36.2	2.524	3.484	6.5	19.4
7 10	16 54.15	−19 44.6	2.565	3.458	9.3	19.6
7 20	16 49.97	−19 55.8	2.628	3.433	11.9	19.7

255316 2005 WZ_{23} 6 10.2 269°.96 1°.2/10.4 18

5 11	17 36.56	−26 45.1	2.347	3.231	10.2	20.9
5 21	17 30.58	−26 51.1	2.265	3.219	7.2	20.6
5 31	17 22.95	−26 52.8	2.209	3.206	3.9	20.4
6 10	17 14.36	−26 49.4	2.180	3.194	1.2	20.2
6 20	17 5.64	−26 41.1	2.180	3.181	3.7	20.4
6 30	16 57.69	−26 29.1	2.206	3.169	7.1	20.5
7 10	16 51.25	−26 15.3	2.258	3.156	10.2	20.7
7 20	16 46.85	−26 1.9	2.332	3.143	13.0	20.9

311301 2005 JA_{35} 6 10.2 82°.39 3°.6/ 9.8 18

5 11	17 42.20	−14 40.9	1.498	2.390	14.4	20.9
5 21	17 34.57	−14 27.3	1.463	2.418	10.2	20.7
5 31	17 24.92	−14 19.8	1.451	2.446	6.0	20.5
6 10	17 14.39	−14 19.5	1.464	2.473	3.6	20.4
6 20	17 4.20	−14 26.6	1.504	2.500	6.0	20.6
6 30	16 55.49	−14 41.3	1.569	2.526	9.9	20.9
7 10	16 49.07	−15 3.3	1.657	2.552	13.5	21.2
7 20	16 45.34	−15 31.4	1.765	2.577	16.5	21.5

431240 2006 TX_{17} 6 10.2 276°.60 0°.3/10.2 18

5 11	17 40.60	−23 30.0	1.593	2.489	13.5	21.4
5 21	17 34.13	−23 36.2	1.507	2.467	9.6	21.1
5 31	17 25.09	−23 40.1	1.444	2.445	5.1	20.8
6 10	17 14.40	−23 40.5	1.407	2.422	0.3	20.3
6 20	17 3.31	−23 37.2	1.395	2.399	5.0	20.6
6 30	16 53.22	−23 31.6	1.409	2.376	9.9	20.9
7 10	16 45.33	−23 26.2	1.446	2.352	14.4	21.1
7 20	16 40.41	−23 23.5	1.502	2.329	18.2	21.3

196239 2003 CZ_{17} 6 10.2 104°.58 1°.4/10.3 18

5 11	17 43.50	−25 4.5	1.349	2.248	15.2	20.3
5 21	17 36.11	−25 31.3	1.297	2.257	10.7	20.0
5 31	17 25.99	−25 53.9	1.267	2.267	5.7	19.7
6 10	17 14.41	−26 10.0	1.262	2.277	1.4	19.5
6 20	17 2.89	−26 18.6	1.282	2.286	5.4	19.8
6 30	16 52.97	−26 21.2	1.327	2.295	10.3	20.1
7 10	16 45.77	−26 20.8	1.394	2.304	14.6	20.4
7 20	16 41.87	−26 20.5	1.480	2.312	18.1	20.6

267389 2001 YU_{65} 6 10.2 273°.92 0°.3/10.1 18

5 11	17 39.62	−21 48.1	1.769	2.661	12.5	20.3
5 21	17 33.21	−21 59.7	1.683	2.641	8.9	20.0
5 31	17 24.52	−22 11.1	1.621	2.621	4.6	19.7
6 10	17 14.39	−22 21.4	1.585	2.600	0.3	19.3
6 20	17 3.92	−22 30.1	1.576	2.579	4.6	19.6
6 30	16 54.34	−22 37.9	1.594	2.558	9.1	19.9
7 10	16 46.71	−22 46.2	1.635	2.537	13.2	20.1
7 20	16 41.73	−22 56.6	1.696	2.515	16.7	20.2

314040 Tavannes 6 10.2 67°.68 1°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.59	−27 46.3	1.335	2.234	15.3	20.4
5 21	17 34.72	−27 35.2	1.283	2.243	10.8	20.2
5 31	17 25.22	−27 15.2	1.253	2.252	5.9	19.9
6 10	17 14.40	−26 46.0	1.247	2.261	1.7	19.7
6 20	17 3.75	−26 9.4	1.266	2.270	5.3	19.9
6 30	16 54.75	−25 29.5	1.309	2.279	10.2	20.2
7 10	16 48.46	−24 51.3	1.375	2.288	14.5	20.5
7 20	16 45.37	−24 18.4	1.459	2.297	18.1	20.8

70751 1999 VZ_{24} 6 10.2 162°.48 0°.2/10.2 18

5 11	17 39.26	−22 43.0	2.224	3.108	10.7	18.6
5 21	17 32.41	−23 4.1	2.158	3.112	7.5	18.4
5 31	17 23.86	−23 24.0	2.117	3.116	3.9	18.2
6 10	17 14.38	−23 41.8	2.105	3.120	0.2	17.8
6 20	17 4.85	−23 56.8	2.120	3.123	3.7	18.2
6 30	16 56.19	−24 9.5	2.164	3.126	7.3	18.4
7 10	16 49.16	−24 20.8	2.233	3.128	10.5	18.6
7 20	16 44.26	−24 32.0	2.325	3.130	13.2	18.8

286161 2001 TK_{257} 6 10.2 200°.76 1°.0/ 9.9 18

5 11	17 36.61	−19 52.2	2.240	3.127	10.4	21.2
5 21	17 30.54	−19 51.0	2.170	3.126	7.3	21.0
5 31	17 22.88	−19 50.3	2.125	3.124	3.9	20.8
6 10	17 14.37	−19 50.2	2.108	3.123	1.0	20.5
6 20	17 5.81	−19 51.0	2.119	3.121	3.9	20.8
6 30	16 58.05	−19 53.5	2.158	3.119	7.4	21.0
7 10	16 51.81	−19 58.5	2.221	3.116	10.5	21.2
7 20	16 47.56	−20 6.8	2.307	3.114	13.2	21.4

253653 2003 UX_{149} 6 10.2 222°.38 0°.1/10.2 17

5 11	17 41.80	−23 3.9	1.882	2.768	12.2	21.4
5 21	17 34.54	−23 10.2	1.803	2.758	8.6	21.2
5 31	17 25.11	−23 14.3	1.749	2.748	4.5	20.9
6 10	17 14.41	−23 15.4	1.721	2.736	0.1	20.5
6 20	17 3.52	−23 13.5	1.722	2.724	4.4	20.8
6 30	16 53.60	−23 9.8	1.749	2.712	8.6	21.1
7 10	16 45.64	−23 6.3	1.801	2.698	12.5	21.3
7 20	16 40.24	−23 4.9	1.874	2.684	15.7	21.5

362366 2010 NP_{24} 6 10.2 271°.95 0°.3/10.1 18

5 11	17 35.87	−22 3.6	2.364	3.251	10.0	21.5
5 21	17 30.07	−22 2.3	2.280	3.237	7.0	21.3
5 31	17 22.68	−21 59.9	2.222	3.222	3.7	21.0
6 10	17 14.37	−21 56.3	2.192	3.207	0.3	20.7
6 20	17 5.93	−21 51.8	2.189	3.192	3.6	21.0
6 30	16 58.19	−21 47.4	2.215	3.177	7.1	21.2
7 10	16 51.87	−21 44.3	2.265	3.162	10.3	21.3
7 20	16 47.48	−21 43.9	2.338	3.146	13.0	21.5

380046 2013 RH_{58} 6 10.2 111°.78 1°.2/10.4 17 R

5 11	17 40.46	−26 45.5	1.632	2.524	13.4	20.4
5 21	17 33.65	−26 36.6	1.572	2.529	9.4	20.2
5 31	17 24.61	−26 21.2	1.535	2.534	5.1	20.0
6 10	17 14.41	−25 58.7	1.524	2.538	1.2	19.7
6 20	17 4.28	−25 30.6	1.539	2.543	4.7	20.0
6 30	16 55.46	−24 59.7	1.581	2.547	9.0	20.2
7 10	16 48.89	−24 29.6	1.645	2.552	12.9	20.5
7 20	16 45.10	−24 3.5	1.730	2.556	16.2	20.7

25363 1999 TW_{24} 6 10.2 190°.39 1°.0/10.4 17

5 11	17 41.96	−25 55.7	1.923	2.807	12.1	20.0
5 21	17 34.53	−25 56.8	1.853	2.807	8.5	19.8
5 31	17 25.04	−25 52.9	1.807	2.805	4.6	19.5
6 10	17 14.42	−25 43.1	1.788	2.803	1.0	19.3
6 20	17 3.75	−25 27.9	1.797	2.800	4.3	19.5
6 30	16 54.16	−25 9.2	1.834	2.796	8.3	19.7
7 10	16 46.56	−24 49.8	1.895	2.792	11.9	19.9
7 20	16 41.50	−24 32.6	1.977	2.787	15.0	20.1

260585 2005 EJ_{287} 6 10.2 102°.57 0°.9/10.3 17

5 11	17 42.34	−25 16.5	1.532	2.426	14.0	21.0
5 21	17 34.98	−25 22.1	1.481	2.440	9.8	20.8
5 31	17 25.28	−25 22.8	1.454	2.453	5.2	20.6
6 10	17 14.43	−25 17.8	1.452	2.466	0.9	20.3
6 20	17 3.73	−25 7.4	1.476	2.479	4.8	20.6
6 30	16 54.48	−24 53.8	1.526	2.492	9.3	20.9
7 10	16 47.65	−24 40.2	1.599	2.504	13.3	21.2
7 20	16 43.73	−24 29.3	1.691	2.516	16.5	21.4

500180 2012 FC_{49} 6 10.2 129°.25 3°.9/10.7 17

5 11	17 43.85	−32 0.2	1.677	2.558	13.7	22.0
5 21	17 36.13	−32 33.3	1.620	2.567	10.1	21.7
5 31	17 25.95	−32 56.1	1.587	2.576	6.3	21.5
6 10	17 14.45	−33 5.6	1.579	2.585	3.9	21.4
6 20	17 3.00	−33 1.0	1.598	2.593	5.8	21.5
6 30	16 52.95	−32 44.5	1.643	2.601	9.4	21.8
7 10	16 45.35	−32 20.6	1.711	2.609	13.0	22.0
7 20	16 40.77	−31 54.0	1.799	2.616	16.0	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
511392 2014 GN_{53}			6 10.2	29°.05	0°.6/10.2	18
	h m	° ′			°	m
5 11	17 38.74	−18 27.3	1.787	2.679	12.4	19.9
5 21	17 32.34	−19 21.4	1.729	2.688	8.7	19.7
5 31	17 23.94	−20 19.7	1.697	2.696	4.5	19.5
6 10	17 14.42	−21 19.5	1.691	2.705	0.6	19.2
6 20	17 4.84	−22 18.4	1.712	2.715	4.3	19.5
6 30	16 56.28	−23 14.6	1.760	2.725	8.4	19.8
7 10	16 49.64	−24 7.4	1.833	2.736	12.0	20.0
7 20	16 45.45	−24 57.0	1.927	2.747	15.0	20.3
290131 2005 QH_{153}			6 10.2	348°.06	0°.2/10.2	17
5 11	17 36.74	−22 57.0	1.192	2.105	15.6	20.1
5 21	17 31.74	−23 9.7	1.130	2.098	11.0	19.8
5 31	17 23.92	−23 21.2	1.089	2.092	5.8	19.4
6 10	17 14.43	−23 30.2	1.071	2.086	0.3	19.0
6 20	17 4.77	−23 36.3	1.076	2.082	5.6	19.4
6 30	16 56.53	−23 40.8	1.104	2.079	11.0	19.7
7 10	16 50.97	−23 45.9	1.153	2.076	15.8	20.0
7 20	16 48.77	−23 53.4	1.218	2.075	19.8	20.2
342849 2008 YF_{10}			6 10.2	288°.12	0°.1/10.2	18 R
5 11	17 38.19	−22 45.5	1.778	2.672	12.4	20.3
5 21	17 32.10	−22 55.0	1.703	2.662	8.7	20.1
5 31	17 23.89	−23 3.2	1.652	2.652	4.5	19.8
6 10	17 14.44	−23 9.4	1.628	2.643	0.1	19.4
6 20	17 4.81	−23 13.2	1.630	2.633	4.4	19.8
6 30	16 56.17	−23 15.7	1.658	2.624	8.7	20.0
7 10	16 49.46	−23 18.6	1.709	2.614	12.6	20.2
7 20	16 45.31	−23 23.3	1.781	2.605	15.9	20.4
25630 Sarkar			6 10.2	344°.73	1°.4/10.5	18
5 11	17 38.26	−27 15.1	1.818	2.709	12.3	19.1
5 21	17 32.04	−27 12.4	1.751	2.708	8.7	18.9
5 31	17 23.79	−27 3.5	1.709	2.707	4.8	18.6
6 10	17 14.44	−26 47.9	1.692	2.706	1.4	18.4
6 20	17 5.07	−26 26.2	1.702	2.705	4.4	18.6
6 30	16 56.81	−26 0.9	1.738	2.704	8.4	18.8
7 10	16 50.54	−25 34.9	1.798	2.704	12.0	19.1
7 20	16 46.79	−25 11.3	1.879	2.703	15.2	19.3
353668 2011 UB_{196}			6 10.2	281°.09	0°.8/10.4	18
5 11	17 36.82	−26 6.2	2.130	3.018	10.9	21.1
5 21	17 30.85	−25 56.1	2.054	3.010	7.7	20.9
5 31	17 23.12	−25 41.1	2.003	3.001	4.1	20.7
6 10	17 14.43	−25 21.1	1.978	2.993	0.8	20.4
6 20	17 5.67	−24 57.0	1.982	2.985	3.8	20.6
6 30	16 57.80	−24 30.8	2.012	2.976	7.5	20.8
7 10	16 51.59	−24 4.9	2.067	2.968	10.9	21.0
7 20	16 47.55	−23 41.9	2.144	2.960	13.8	21.2
140786 2001 UR_{140}			6 10.2	112°.99	0°.5/10.1	18
5 11	17 40.27	−21 50.7	1.827	2.717	12.3	20.8
5 21	17 33.24	−21 47.2	1.774	2.731	8.6	20.6
5 31	17 24.31	−21 42.3	1.745	2.744	4.4	20.4
6 10	17 14.45	−21 36.0	1.742	2.757	0.5	20.1
6 20	17 4.70	−21 29.0	1.767	2.770	4.3	20.4
6 30	16 56.12	−21 22.5	1.819	2.782	8.3	20.7
7 10	16 49.51	−21 18.4	1.895	2.794	11.8	20.9
7 20	16 45.34	−21 17.9	1.992	2.806	14.8	21.2
46194 2001 FR_{143}			6 10.2	262°.38	3°.8/ 9.7	18
5 11	17 39.10	−14 7.0	1.616	2.508	13.5	19.1
5 21	17 32.83	−13 52.1	1.541	2.496	9.8	18.9
5 31	17 24.31	−13 43.2	1.489	2.483	6.0	18.6
6 10	17 14.46	−13 41.9	1.463	2.470	3.8	18.4
6 20	17 4.40	−13 49.2	1.463	2.457	6.3	18.6
6 30	16 55.33	−14 5.5	1.487	2.444	10.4	18.8
7 10	16 48.28	−14 30.8	1.535	2.431	14.3	19.0
7 20	16 43.89	−15 4.0	1.602	2.417	17.7	19.2
107321 2001 CL_{13}			6 10.2	189°.02	4°.6/ 9.2	18
5 11	17 34.05	− 4 20.2	3.270	4.120	8.5	20.8
5 21	17 28.35	− 4 5.2	3.201	4.119	6.7	20.7
5 31	17 21.64	− 3 58.3	3.157	4.117	5.2	20.6
6 10	17 14.41	− 4 0.6	3.141	4.115	4.6	20.6
6 20	17 7.16	− 4 12.7	3.154	4.112	5.4	20.6
6 30	17 0.41	− 4 34.3	3.194	4.108	7.1	20.7
7 10	16 54.62	− 5 4.7	3.260	4.104	8.9	20.8
7 20	16 50.12	− 5 42.5	3.349	4.100	10.6	21.0
371685 2007 DK_{38}			6 10.2	165°.41	5°.3/ 9.1	17
5 11	17 38.35	− 7 23.1	2.275	3.140	11.2	22.4
5 21	17 31.60	− 6 50.7	2.214	3.146	8.6	22.2
5 31	17 23.40	− 6 27.1	2.179	3.152	6.2	22.1
6 10	17 14.45	− 6 14.3	2.171	3.157	5.3	22.0
6 20	17 5.53	− 6 13.5	2.191	3.161	6.6	22.1
6 30	16 57.43	− 6 24.9	2.237	3.164	9.0	22.3
7 10	16 50.81	− 6 47.6	2.308	3.167	11.6	22.4
7 20	16 46.08	− 7 19.9	2.400	3.168	13.8	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
523141 2016 SX_{54}			6 10.2	335°.30	5°.8/ 9.3	16
	h m	° ′			°	m
5 11	17 34.45	− 8 13.0	1.814	2.698	12.7	20.9
5 21	17 29.29	− 7 48.3	1.747	2.690	9.7	20.7
5 31	17 22.36	− 7 34.0	1.703	2.683	7.0	20.5
6 10	17 14.43	− 7 32.6	1.683	2.675	5.8	20.4
6 20	17 6.41	− 7 45.3	1.689	2.669	7.3	20.5
6 30	16 59.25	− 8 12.0	1.720	2.662	10.2	20.7
7 10	16 53.76	− 8 51.2	1.773	2.656	13.3	20.8
7 20	16 50.46	− 9 40.5	1.846	2.651	16.1	21.0
282441 2003 YY_{42}			6 10.2	198°.53	1°.0/10.0	17
5 11	17 40.81	−20 40.5	1.884	2.771	12.1	21.8
5 21	17 33.74	−20 34.1	1.813	2.769	8.5	21.6
5 31	17 24.67	−20 27.2	1.766	2.765	4.5	21.3
6 10	17 14.48	−20 19.8	1.747	2.761	1.0	21.1
6 20	17 4.21	−20 12.5	1.755	2.757	4.5	21.3
6 30	16 54.96	−20 6.8	1.790	2.751	8.6	21.6
7 10	16 47.61	−20 4.3	1.850	2.746	12.3	21.8
7 20	16 42.72	−20 6.0	1.930	2.739	15.4	22.0
500103 2012 BA_{73}			6 10.2	86°.67	8°.8/ 9.7	17
5 11	17 39.20	− 2 30.3	1.482	2.354	15.7	20.6
5 21	17 32.68	− 1 59.3	1.436	2.364	12.6	20.4
5 31	17 24.10	− 1 47.1	1.411	2.375	9.9	20.3
6 10	17 14.47	− 1 56.8	1.410	2.385	8.8	20.2
6 20	17 4.96	− 2 28.9	1.432	2.396	10.0	20.3
6 30	16 56.69	− 3 21.3	1.478	2.406	12.7	20.5
7 10	16 50.55	− 4 29.9	1.546	2.416	15.6	20.7
7 20	16 47.02	− 5 49.7	1.632	2.426	18.3	20.9
478697 2012 UH_{31}			6 10.2	345°.70	5°.2/10.2	16
5 11	17 40.94	−32 56.8	1.650	2.534	13.7	20.3
5 21	17 34.45	−34 10.2	1.584	2.530	10.3	20.1
5 31	17 25.29	−35 15.4	1.542	2.526	7.0	19.9
6 10	17 14.50	−36 7.0	1.524	2.523	5.2	19.8
6 20	17 3.40	−36 41.5	1.532	2.520	6.9	19.8
6 30	16 53.48	−36 59.0	1.565	2.518	10.2	20.0
7 10	16 45.96	−37 2.8	1.620	2.516	13.7	20.2
7 20	16 41.58	−36 57.8	1.695	2.515	16.7	20.4
113052 2002 RU_{53}			6 10.2	313°.11	0°.8/10.3	18
5 11	17 37.90	−24 38.4	1.824	2.717	12.2	19.9
5 21	17 31.85	−24 50.6	1.754	2.712	8.6	19.7
5 31	17 23.74	−24 59.8	1.708	2.707	4.5	19.4
6 10	17 14.48	−25 5.0	1.688	2.703	0.8	19.1
6 20	17 5.11	−25 6.1	1.695	2.698	4.3	19.4
6 30	16 56.74	−25 4.1	1.728	2.694	8.4	19.6
7 10	16 50.29	−25 1.1	1.784	2.690	12.1	19.8
7 20	16 46.34	−24 59.0	1.862	2.685	15.3	20.0
11194 Mirna			6 10.2	47°.63	1°.2/ 9.9	18
5 11	17 40.21	−22 9.5	1.235	2.142	15.7	16.9
5 21	17 33.84	−21 36.6	1.183	2.148	11.0	16.6
5 31	17 24.85	−21 0.8	1.153	2.155	5.7	16.3
6 10	17 14.50	−20 23.6	1.146	2.161	1.2	16.0
6 20	17 4.30	−19 47.9	1.164	2.168	5.7	16.4
6 30	16 55.71	−19 17.4	1.206	2.175	10.9	16.7
7 10	16 49.80	−18 55.1	1.269	2.183	15.4	17.0
7 20	16 47.08	−18 42.5	1.349	2.190	19.1	17.2
504059 2005 YS_{31}			6 10.2	226°.43	2°.6/ 9.8	18
5 11	17 39.29	−14 45.3	2.316	3.193	10.5	22.8
5 21	17 32.47	−14 44.3	2.232	3.180	7.6	22.6
5 31	17 23.97	−14 47.5	2.174	3.166	4.5	22.4
6 10	17 14.49	−14 55.3	2.143	3.152	2.6	22.2
6 20	17 4.84	−15 7.9	2.142	3.136	4.6	22.3
6 30	16 55.88	−15 25.6	2.169	3.120	7.9	22.5
7 10	16 48.37	−15 48.2	2.221	3.103	11.0	22.7
7 20	16 42.85	−16 15.6	2.295	3.086	13.8	22.8
220967 2005 ME_{33}			6 10.2	293°.30	1°.2/ 9.9	18
5 11	17 38.60	−21 9.3	1.497	2.398	13.8	20.5
5 21	17 32.68	−20 50.2	1.421	2.383	9.8	20.2
5 31	17 24.32	−20 29.5	1.368	2.369	5.2	19.9
6 10	17 14.50	−20 8.0	1.340	2.354	1.2	19.6
6 20	17 4.46	−19 47.2	1.337	2.340	5.3	19.8
6 30	16 55.54	−19 29.6	1.359	2.325	10.2	20.1
7 10	16 48.86	−19 17.6	1.403	2.311	14.6	20.3
7 20	16 45.08	−19 12.8	1.465	2.297	18.3	20.5
16065 Borel			6 10.2	29°.29	0°.7/10.3	18
5 11	17 38.86	−24 22.7	1.663	2.559	13.0	18.6
5 21	17 32.58	−24 35.3	1.601	2.561	9.1	18.4
5 31	17 24.13	−24 44.9	1.563	2.563	4.8	18.1
6 10	17 14.49	−24 50.4	1.550	2.565	0.7	17.8
6 20	17 4.81	−24 51.7	1.564	2.567	4.5	18.1
6 30	16 56.30	−24 50.0	1.603	2.570	8.9	18.4
7 10	16 49.91	−24 47.5	1.665	2.573	12.7	18.6
7 20	16 46.18	−24 46.3	1.748	2.575	16.0	18.8

172188 2002 PD_{117} 6 10.2 321°.87 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.60	−32 3.3	1.524	2.417	14.1	19.0
5 21	17 32.20	−32 8.3	1.441	2.395	10.4	18.8
5 31	17 24.16	−32 1.8	1.381	2.374	6.5	18.5
6 10	17 14.49	−31 41.4	1.345	2.353	3.7	18.3
6 20	17 4.54	−31 7.1	1.333	2.333	5.9	18.3
6 30	16 55.77	−30 22.1	1.346	2.314	10.1	18.5
7 10	16 49.41	−29 31.8	1.381	2.295	14.3	18.7
7 20	16 46.17	−28 41.7	1.435	2.278	18.1	18.9

462866 2010 VJ_{71} 6 10.2 258°.94 5°.1/ 9.1 17

5 11	17 38.73	−12 23.0	1.603	2.494	13.7	21.4
5 21	17 32.53	−11 37.1	1.530	2.482	10.2	21.2
5 31	17 24.15	−10 57.1	1.480	2.469	6.7	20.9
6 10	17 14.50	−10 26.4	1.456	2.457	5.2	20.8
6 20	17 4.69	−10 7.6	1.457	2.444	7.4	20.9
6 30	16 55.91	−10 2.7	1.482	2.431	11.1	21.1
7 10	16 49.13	−10 11.8	1.530	2.417	14.8	21.3
7 20	16 44.96	−10 33.5	1.597	2.404	18.1	21.5

58062 4034 *P–L* 6 10.2 272°.32 3°.6/10.6 17

5 11	17 43.82	−30 34.0	1.415	2.306	15.1	19.9
5 21	17 36.88	−30 55.0	1.330	2.284	11.2	19.6
5 31	17 26.76	−31 6.3	1.267	2.261	6.8	19.3
6 10	17 14.56	−31 4.2	1.228	2.238	3.7	19.0
6 20	17 1.84	−30 47.1	1.215	2.215	6.3	19.1
6 30	16 50.36	−30 17.3	1.225	2.191	11.2	19.3
7 10	16 41.64	−29 40.4	1.258	2.166	15.9	19.5
7 20	16 36.54	−29 2.6	1.308	2.142	20.0	19.7

508941 2004 RV_{212} 6 10.2 311°.16 5°.1/11.4 18

5 11	17 40.74	−35 31.9	1.443	2.329	15.2	20.3
5 21	17 34.78	−35 25.6	1.347	2.294	11.7	20.0
5 31	17 25.69	−35 1.6	1.272	2.260	7.8	19.6
6 10	17 14.54	−34 16.2	1.221	2.226	5.1	19.4
6 20	17 2.89	−33 9.3	1.194	2.192	6.9	19.4
6 30	16 52.48	−31 45.3	1.192	2.158	11.3	19.5
7 10	16 44.82	−30 12.8	1.211	2.125	15.9	19.7
7 20	16 40.75	−28 40.8	1.249	2.093	20.2	19.9

297813 2002 AP_{87} 6 10.2 192°.81 4°.5/ 9.2 18

5 11	17 34.87	− 7 4.1	2.803	3.666	9.4	21.4
5 21	17 29.07	− 6 44.8	2.734	3.664	7.2	21.2
5 31	17 22.09	− 6 33.2	2.690	3.661	5.3	21.1
6 10	17 14.48	− 6 30.6	2.674	3.659	4.5	21.0
6 20	17 6.84	− 6 37.6	2.686	3.655	5.6	21.1
6 30	16 59.79	− 6 54.5	2.725	3.652	7.6	21.2
7 10	16 53.87	− 7 20.4	2.790	3.648	9.8	21.4
7 20	16 49.47	− 7 54.0	2.876	3.643	11.8	21.5

35528 1998 FC_{69} 6 10.2 161°.83 1°.6/10.5 18

5 11	17 40.43	−27 46.1	2.084	2.965	11.4	19.5
5 21	17 33.36	−27 53.1	2.019	2.970	8.1	19.3
5 31	17 24.44	−27 54.3	1.978	2.974	4.5	19.0
6 10	17 14.53	−27 48.6	1.965	2.978	1.6	18.8
6 20	17 4.63	−27 36.2	1.980	2.981	4.1	19.0
6 30	16 55.76	−27 18.9	2.023	2.984	7.7	19.3
7 10	16 48.73	−26 59.5	2.090	2.987	11.0	19.5
7 20	16 44.04	−26 40.6	2.179	2.989	13.8	19.7

153737 2001 UN_{140} 6 10.2 104°.40 1°.4/10.4 17

5 11	17 41.43	−25 47.5	1.745	2.634	12.8	20.3
5 21	17 34.25	−26 11.6	1.691	2.647	9.0	20.1
5 31	17 24.95	−26 31.5	1.661	2.659	4.9	19.8
6 10	17 14.54	−26 45.3	1.657	2.671	1.4	19.6
6 20	17 4.19	−26 52.5	1.680	2.683	4.5	19.9
6 30	16 55.07	−26 54.3	1.730	2.694	8.6	20.1
7 10	16 48.10	−26 53.0	1.803	2.705	12.2	20.4
7 20	16 43.80	−26 51.2	1.898	2.716	15.2	20.6

427631 2003 UO_{147} 6 10.2 283°.54 1°.4/10.4 18

5 11	17 41.72	−26 28.6	1.519	2.413	14.1	21.1
5 21	17 35.19	−26 32.1	1.427	2.385	10.1	20.8
5 31	17 25.82	−26 29.6	1.358	2.357	5.6	20.5
6 10	17 14.57	−26 19.2	1.314	2.328	1.4	20.1
6 20	17 2.78	−26 0.7	1.295	2.298	5.3	20.3
6 30	16 52.01	−25 36.4	1.301	2.269	10.5	20.5
7 10	16 43.62	−25 10.2	1.330	2.239	15.2	20.7
7 20	16 38.47	−24 46.6	1.378	2.208	19.3	20.9

382968 2004 XH_{122} 6 10.2 257°.46 0°.1/10.2 18

5 11	17 39.27	−23 53.4	2.073	2.959	11.2	21.7
5 21	17 32.70	−23 36.3	1.984	2.940	7.9	21.5
5 31	17 24.19	−23 15.1	1.921	2.920	4.2	21.2
6 10	17 14.53	−22 50.2	1.884	2.900	0.1	20.8
6 20	17 4.69	−22 22.5	1.876	2.879	4.1	21.1
6 30	16 55.68	−21 54.2	1.895	2.858	8.1	21.3
7 10	16 48.38	−21 28.1	1.939	2.836	11.7	21.5
7 20	16 43.39	−21 6.4	2.004	2.813	14.9	21.7

187287 2005 TZ_{73} 6 10.2 214°.37 3°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 40.06	−34 15.8	2.614	3.476	10.0	20.5
5 21	17 33.10	−35 6.0	2.538	3.471	7.6	20.4
5 31	17 24.35	−35 48.8	2.488	3.466	5.2	20.2
6 10	17 14.54	−36 21.3	2.465	3.461	3.9	20.1
6 20	17 4.53	−36 41.9	2.471	3.455	5.0	20.2
6 30	16 55.25	−36 51.0	2.505	3.450	7.3	20.3
7 10	16 47.53	−36 50.8	2.565	3.444	9.9	20.5
7 20	16 41.92	−36 44.2	2.647	3.437	12.1	20.6

436232 2010 AY_{61} 6 10.2 252°.84 4°.1/10.0 18

5 11	17 38.55	−11 12.6	1.814	2.698	12.7	20.8
5 21	17 32.21	−11 21.8	1.746	2.694	9.4	20.6
5 31	17 23.92	−11 40.2	1.701	2.690	6.0	20.4
6 10	17 14.53	−12 8.5	1.682	2.686	4.1	20.2
6 20	17 5.01	−12 46.1	1.690	2.682	6.0	20.4
6 30	16 56.41	−13 31.9	1.724	2.677	9.4	20.5
7 10	16 49.60	−14 24.3	1.782	2.673	12.9	20.7
7 20	16 45.16	−15 21.3	1.861	2.669	15.9	20.9

287546 2003 ET_{33} 6 10.2 120°.54 3°.3/11.0 17

5 11	17 39.59	−34 3.9	2.543	3.408	10.2	21.4
5 21	17 32.54	−34 18.6	2.486	3.422	7.5	21.3
5 31	17 23.92	−34 24.2	2.454	3.437	4.9	21.1
6 10	17 14.53	−34 19.5	2.449	3.451	3.3	21.1
6 20	17 5.23	−34 4.5	2.473	3.464	4.4	21.2
6 30	16 56.87	−33 41.1	2.525	3.477	6.9	21.3
7 10	16 50.16	−33 12.2	2.602	3.490	9.4	21.5
7 20	16 45.50	−32 41.1	2.702	3.502	11.7	21.7

211918 2004 TY_{20} 6 10.2 253°.94 0°.4/10.1 17

5 11	17 41.54	−22 58.4	1.505	2.401	14.1	20.9
5 21	17 34.79	−22 45.1	1.428	2.388	10.0	20.6
5 31	17 25.46	−22 28.3	1.374	2.374	5.2	20.3
6 10	17 14.57	−22 8.1	1.345	2.360	0.4	19.9
6 20	17 3.44	−21 45.6	1.343	2.346	5.2	20.2
6 30	16 53.51	−21 23.4	1.365	2.331	10.2	20.5
7 10	16 45.93	−21 4.7	1.410	2.316	14.7	20.7
7 20	16 41.40	−20 52.1	1.474	2.301	18.5	20.9

23091 Stansill 6 10.2 339°.55 1°.8/10.4 18

5 11	17 37.57	−26 21.6	1.499	2.400	13.8	18.1
5 21	17 32.03	−26 46.3	1.431	2.392	9.9	17.8
5 31	17 24.02	−27 6.8	1.385	2.385	5.4	17.5
6 10	17 14.54	−27 20.8	1.364	2.378	1.9	17.3
6 20	17 4.87	−27 27.5	1.368	2.371	5.1	17.5
6 30	16 56.39	−27 28.0	1.396	2.366	9.7	17.7
7 10	16 50.22	−27 24.9	1.447	2.361	13.8	18.0
7 20	16 47.00	−27 21.0	1.516	2.356	17.4	18.2

449998 2015 PD_{237} 6 10.2 237°.30 2°.7/ 9.8 18

5 11	17 35.28	−14 2.3	2.471	3.352	9.8	21.3
5 21	17 29.55	−13 59.9	2.397	3.347	7.1	21.1
5 31	17 22.42	−14 2.0	2.349	3.341	4.3	21.0
6 10	17 14.51	−14 9.2	2.328	3.335	2.7	20.8
6 20	17 6.52	−14 21.6	2.335	3.328	4.4	20.9
6 30	16 59.20	−14 39.5	2.370	3.322	7.3	21.1
7 10	16 53.17	−15 2.7	2.430	3.316	10.1	21.3
7 20	16 48.89	−15 30.6	2.513	3.309	12.6	21.4

313786 2003 YZ_{70} 6 10.2 121°.68 1°.3/10.5 17

5 11	17 42.83	−27 6.6	1.747	2.633	13.0	21.0
5 21	17 35.13	−26 58.4	1.694	2.648	9.1	20.8
5 31	17 25.35	−26 43.4	1.665	2.663	4.9	20.5
6 10	17 14.57	−26 21.3	1.662	2.677	1.3	20.3
6 20	17 3.97	−25 53.3	1.687	2.690	4.4	20.6
6 30	16 54.73	−25 22.2	1.739	2.703	8.5	20.8
7 10	16 47.70	−24 51.8	1.815	2.715	12.2	21.1
7 20	16 43.36	−24 24.9	1.911	2.727	15.3	21.3

258025 2001 FM_{168} 6 10.2 13°.14 2°.8/10.0 17

5 11	17 37.29	−16 38.3	1.166	2.078	16.0	19.8
5 21	17 31.97	−16 42.4	1.115	2.080	11.4	19.5
5 31	17 23.99	−16 52.8	1.084	2.084	6.4	19.3
6 10	17 14.54	−17 9.9	1.076	2.088	2.8	19.1
6 20	17 5.08	−17 33.4	1.091	2.093	6.3	19.3
6 30	16 57.09	−18 2.7	1.129	2.099	11.3	19.6
7 10	16 51.72	−18 37.4	1.187	2.106	15.8	19.9
7 20	16 49.55	−19 16.3	1.263	2.114	19.6	20.1

383925 2008 SK_{173} 6 10.2 299°.63 3°.0/ 9.4 15

5 11	17 37.54	−18 29.6	1.592	2.491	13.3	20.9
5 21	17 31.88	−17 38.8	1.506	2.466	9.5	20.6
5 31	17 23.92	−16 46.3	1.444	2.442	5.4	20.3
6 10	17 14.55	−15 55.0	1.406	2.417	3.0	20.1
6 20	17 4.89	−15 8.4	1.395	2.393	6.1	20.2
6 30	16 56.20	−14 30.1	1.408	2.368	10.5	20.4
7 10	16 49.54	−14 3.0	1.444	2.344	14.8	20.6
7 20	16 45.59	−13 48.4	1.499	2.320	18.5	20.8

438992 2010 SQ_{38} 6 10.2 287°.47 3°.5/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 35.75	−15 15.4	2.253	3.139	10.5	20.9
5 21	17 30.05	−14 17.1	2.164	3.115	7.6	20.7
5 31	17 22.75	−13 19.5	2.100	3.091	4.8	20.5
6 10	17 14.53	−12 25.3	2.064	3.068	3.5	20.3
6 20	17 6.16	−11 37.4	2.056	3.044	5.5	20.4
6 30	16 58.49	−10 58.6	2.075	3.020	8.6	20.6
7 10	16 52.23	−10 30.4	2.118	2.995	11.7	20.7
7 20	16 47.89	−10 13.4	2.182	2.971	14.4	20.9

359906 2011 WY_{88} 6 10.2 174°.71 0°.3/10.3 18

5 11	17 35.98	−24 13.0	2.761	3.643	8.9	22.4
5 21	17 29.92	−24 10.5	2.691	3.644	6.2	22.2
5 31	17 22.57	−24 5.6	2.647	3.646	3.3	22.0
6 10	17 14.52	−23 58.0	2.632	3.647	0.3	21.8
6 20	17 6.48	−23 48.2	2.645	3.648	3.1	22.0
6 30	16 59.12	−23 37.2	2.687	3.648	6.1	22.2
7 10	16 53.04	−23 26.5	2.755	3.648	8.8	22.4
7 20	16 48.65	−23 17.5	2.846	3.648	11.1	22.6

508040 2015 BG_{532} 6 10.2 239°.13 6°.9/11.2 18

5 11	17 43.81	−40 45.7	1.933	2.785	13.4	21.1
5 21	17 36.32	−41 30.2	1.860	2.778	10.7	20.9
5 31	17 26.23	−41 59.4	1.809	2.771	8.2	20.8
6 10	17 14.60	−42 8.8	1.784	2.763	6.9	20.7
6 20	17 2.78	−41 56.7	1.784	2.755	7.8	20.7
6 30	16 52.21	−41 25.0	1.810	2.747	10.1	20.8
7 10	16 44.06	−40 39.3	1.859	2.739	13.0	21.0
7 20	16 38.99	−39 45.9	1.928	2.730	15.6	21.2

420483 2012 EP_{7} 6 10.2 40°.31 1°.1/10.4 17

5 11	17 40.04	−25 17.7	1.249	2.155	15.6	20.5
5 21	17 33.80	−25 26.2	1.201	2.165	11.0	20.3
5 31	17 24.88	−25 29.6	1.174	2.175	5.8	20.0
6 10	17 14.57	−25 26.9	1.171	2.186	1.1	19.7
6 20	17 4.40	−25 18.4	1.193	2.198	5.4	20.0
6 30	16 55.85	−25 6.4	1.238	2.209	10.4	20.3
7 10	16 50.03	−24 54.5	1.304	2.222	14.8	20.6
7 20	16 47.45	−24 45.4	1.388	2.234	18.4	20.9

338638 2003 SL_{297} 6 10.2 232°.27 4°.2/11.2 17

5 11	17 41.62	−36 2.7	2.295	3.156	11.3	21.5
5 21	17 34.32	−36 13.8	2.211	3.144	8.6	21.3
5 31	17 25.02	−36 13.5	2.153	3.132	5.8	21.1
6 10	17 14.58	−35 59.7	2.121	3.119	4.2	21.0
6 20	17 4.03	−35 32.0	2.117	3.105	5.3	21.0
6 30	16 54.45	−34 52.7	2.141	3.092	8.0	21.2
7 10	16 46.74	−34 6.0	2.189	3.077	10.9	21.3
7 20	16 41.45	−33 16.3	2.260	3.062	13.6	21.5

384930 2012 TW_{89} 6 10.2 161°.60 2°.1/ 9.8 17

5 11	17 37.48	−17 20.1	2.032	2.921	11.3	21.4
5 21	17 31.26	−17 7.9	1.968	2.923	8.0	21.2
5 31	17 23.35	−16 58.0	1.928	2.925	4.5	20.9
6 10	17 14.55	−16 51.2	1.915	2.926	2.1	20.8
6 20	17 5.74	−16 48.1	1.930	2.928	4.6	21.0
6 30	16 57.83	−16 49.7	1.971	2.929	8.1	21.2
7 10	16 51.58	−16 56.6	2.037	2.931	11.4	21.4
7 20	16 47.46	−17 8.9	2.124	2.932	14.2	21.6

150992 2001 UD_{13} 6 10.2 253°.56 1°.9/ 9.9 18

5 11	17 38.63	−19 2.2	1.729	2.624	12.7	19.6
5 21	17 32.38	−18 43.4	1.658	2.617	9.0	19.4
5 31	17 24.06	−18 25.2	1.611	2.609	4.9	19.1
6 10	17 14.57	−18 8.7	1.589	2.602	1.9	18.9
6 20	17 4.98	−17 55.1	1.594	2.594	5.0	19.1
6 30	16 56.42	−17 46.1	1.625	2.587	9.2	19.3
7 10	16 49.80	−17 43.1	1.679	2.579	13.1	19.5
7 20	16 45.70	−17 46.9	1.753	2.571	16.3	19.7

192318 1994 RH_{16} 6 10.2 179°.01 8°.1/ 8.5 18

5 11	17 36.26	− 1 26.8	1.994	2.851	12.9	19.6
5 21	17 30.37	− 0 35.8	1.936	2.852	10.5	19.5
5 31	17 22.89	+ 0 1.0	1.901	2.852	8.7	19.4
6 10	17 14.56	+ 0 20.0	1.891	2.852	8.1	19.3
6 20	17 6.24	+ 0 19.4	1.907	2.852	9.2	19.4
6 30	16 58.77	− 0 0.6	1.946	2.852	11.2	19.5
7 10	16 52.87	− 0 38.0	2.008	2.851	13.6	19.7
7 20	16 49.00	− 1 29.4	2.089	2.851	15.8	19.8

258604 2002 CK_{253} 6 10.2 259°.40 5°.1/ 8.9 16

5 11	17 34.61	− 8 30.1	2.266	3.141	10.8	21.1
5 21	17 29.13	− 7 53.3	2.198	3.136	8.3	21.0
5 31	17 22.23	− 7 24.3	2.155	3.132	6.0	20.8
6 10	17 14.55	− 7 5.3	2.138	3.127	5.1	20.8
6 20	17 6.84	− 6 57.9	2.148	3.122	6.4	20.8
6 30	16 59.85	− 7 2.6	2.185	3.117	8.9	21.0
7 10	16 54.24	− 7 19.0	2.245	3.112	11.5	21.1
7 20	16 50.43	− 7 45.6	2.325	3.107	13.9	21.3

408391 2013 GM_{106} 6 10.2 76°.12 1°.5/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.69	−21 46.3	1.258	2.163	15.7	20.7
5 21	17 34.79	−21 8.9	1.211	2.175	10.9	20.5
5 31	17 25.32	−20 28.9	1.186	2.187	5.7	20.2
6 10	17 14.62	−19 48.4	1.185	2.199	1.5	20.0
6 20	17 4.17	−19 10.4	1.208	2.211	5.7	20.3
6 30	16 55.38	−18 38.4	1.256	2.223	10.7	20.6
7 10	16 49.27	−18 15.5	1.325	2.235	15.1	20.9
7 20	16 46.31	−18 2.7	1.412	2.247	18.7	21.2

33659 1999 JM_{91} 6 10.2 186°.12 7°.8/ 8.2 18

5 11	17 37.38	− 1 3.1	2.196	3.044	12.2	18.4
5 21	17 31.05	− 0 7.5	2.135	3.044	10.0	18.2
5 31	17 23.21	+ 0 35.2	2.098	3.044	8.3	18.1
6 10	17 14.58	+ 1 1.3	2.087	3.043	7.8	18.1
6 20	17 5.95	+ 1 9.0	2.102	3.041	8.8	18.1
6 30	16 58.11	+ 0 58.0	2.142	3.038	10.8	18.2
7 10	16 51.74	+ 0 30.0	2.204	3.035	13.0	18.4
7 20	16 47.28	− 0 12.1	2.287	3.032	15.1	18.5

75398 1999 XZ_{98} 6 10.2 81°.95 0°.5/10.3 18

5 11	17 41.60	−25 12.1	1.491	2.387	14.2	18.6
5 21	17 34.48	−24 56.0	1.443	2.403	9.9	18.3
5 31	17 25.09	−24 34.4	1.419	2.419	5.2	18.1
6 10	17 14.62	−24 7.6	1.419	2.434	0.5	17.8
6 20	17 4.39	−23 37.5	1.446	2.450	4.8	18.2
6 30	16 55.67	−23 7.2	1.498	2.465	9.3	18.5
7 10	16 49.35	−22 40.2	1.573	2.480	13.3	18.7
7 20	16 45.91	−22 18.8	1.667	2.495	16.6	19.0

96493 1998 KN_{10} 6 10.2 278°.80 7°.8/ 7.9 18

5 11	17 36.17	− 5 0.2	1.796	2.669	13.3	19.7
5 21	17 30.49	− 3 49.8	1.733	2.663	10.6	19.5
5 31	17 23.02	− 2 50.9	1.693	2.657	8.5	19.3
6 10	17 14.58	− 2 8.1	1.678	2.651	7.8	19.3
6 20	17 6.10	− 1 44.5	1.687	2.645	9.2	19.4
6 30	16 58.52	− 1 41.4	1.721	2.639	11.8	19.5
7 10	16 52.67	− 1 57.6	1.777	2.633	14.6	19.7
7 20	16 49.03	− 2 30.2	1.851	2.627	17.1	19.8

203973 2003 SR_{193} 6 10.2 233°.59 1°.3/10.6 18

5 11	17 39.57	−28 1.8	2.273	3.152	10.7	20.7
5 21	17 32.77	−27 50.4	2.189	3.140	7.6	20.5
5 31	17 24.19	−27 32.3	2.131	3.127	4.2	20.3
6 10	17 14.61	−27 7.4	2.101	3.114	1.3	20.1
6 20	17 4.94	−26 36.2	2.099	3.101	3.8	20.2
6 30	16 56.12	−26 1.2	2.125	3.087	7.4	20.4
7 10	16 48.97	−25 25.3	2.176	3.072	10.7	20.6
7 20	16 44.00	−24 51.6	2.250	3.057	13.5	20.8

114439 2003 AL_{13} 6 10.2 228°.66 2°.2/ 9.7 18 R

5 11	17 39.65	−18 43.9	1.954	2.841	11.7	20.0
5 21	17 32.93	−18 9.0	1.876	2.831	8.3	19.8
5 31	17 24.31	−17 33.7	1.823	2.820	4.6	19.6
6 10	17 14.62	−16 59.5	1.797	2.809	2.2	19.4
6 20	17 4.83	−16 28.6	1.799	2.797	4.9	19.5
6 30	16 55.96	−16 3.3	1.828	2.784	8.8	19.7
7 10	16 48.86	−15 45.3	1.881	2.771	12.4	19.9
7 20	16 44.07	−15 35.6	1.955	2.757	15.4	20.1

311943 2007 CU_{48} 6 10.2 254°.75 2°.3/10.8 18

5 11	17 37.32	−30 53.0	2.384	3.261	10.3	20.7
5 21	17 31.14	−30 49.1	2.308	3.255	7.5	20.5
5 31	17 23.31	−30 37.6	2.257	3.249	4.4	20.3
6 10	17 14.60	−30 17.7	2.233	3.243	2.3	20.2
6 20	17 5.85	−29 50.0	2.237	3.236	4.0	20.3
6 30	16 57.97	−29 16.5	2.269	3.230	7.0	20.4
7 10	16 51.67	−28 40.3	2.326	3.223	10.0	20.6
7 20	16 47.42	−28 4.4	2.406	3.217	12.6	20.8

61510 2000 QF_{55} 6 10.2 279°.08 1°.8/10.4 18

5 11	17 40.22	−27 0.2	1.752	2.642	12.8	19.7
5 21	17 33.80	−27 16.9	1.666	2.621	9.2	19.4
5 31	17 24.97	−27 28.7	1.603	2.601	5.1	19.1
6 10	17 14.64	−27 33.6	1.567	2.580	1.8	18.9
6 20	17 3.97	−27 31.0	1.557	2.559	4.8	19.0
6 30	16 54.24	−27 22.0	1.573	2.538	9.2	19.2
7 10	16 46.59	−27 9.6	1.613	2.517	13.2	19.4
7 20	16 41.73	−26 56.9	1.672	2.496	16.8	19.6

32479 2000 SL_{312} 6 10.2 305°.41 8°.4/12.1 18

5 11	17 43.31	−43 6.6	1.564	2.422	15.8	16.7
5 21	17 36.56	−43 28.9	1.482	2.401	12.9	16.4
5 31	17 26.59	−43 29.7	1.420	2.380	10.1	16.2
6 10	17 14.68	−43 3.5	1.380	2.360	8.5	16.0
6 20	17 2.52	−42 8.6	1.365	2.340	9.2	16.0
6 30	16 51.92	−40 49.1	1.373	2.320	11.9	16.1
7 10	16 44.30	−39 13.7	1.404	2.300	15.3	16.3
7 20	16 40.40	−37 32.1	1.453	2.281	18.6	16.5

44330 1998 RV_{58} 6 10.2 271°.89 0°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.99	−23 25.7	1.910	2.801	11.8	19.6
5 21	17 31.88	−23 19.2	1.834	2.792	8.3	19.3
5 31	17 23.81	−23 10.0	1.782	2.782	4.3	19.1
6 10	17 14.62	−22 57.9	1.757	2.772	0.1	18.7
6 20	17 5.32	−22 43.6	1.759	2.762	4.2	19.0
6 30	16 56.95	−22 28.9	1.787	2.752	8.3	19.2
7 10	16 50.40	−22 15.8	1.840	2.742	12.0	19.4
7 20	16 46.23	−22 6.3	1.913	2.732	15.1	19.6

124744 2001 SB_{210} 6 10.2 86°.44 3°.9/10.6 18

5 11	17 44.01	−30 18.4	1.295	2.190	16.0	19.7
5 21	17 36.78	−30 53.4	1.242	2.198	11.6	19.5
5 31	17 26.55	−31 18.4	1.211	2.205	7.0	19.2
6 10	17 14.68	−31 29.6	1.203	2.212	3.9	19.1
6 20	17 2.84	−31 25.8	1.220	2.219	6.4	19.3
6 30	16 52.73	−31 9.7	1.261	2.227	10.9	19.5
7 10	16 45.57	−30 46.8	1.323	2.234	15.1	19.8
7 20	16 41.98	−30 22.3	1.403	2.241	18.7	20.0

186952 2004 RD_{57} 6 10.2 299°.89 3°.5/ 9.3 18

5 11	17 34.57	−13 42.0	2.207	3.093	10.6	20.0
5 21	17 29.18	−13 7.2	2.136	3.086	7.8	19.8
5 31	17 22.29	−12 36.3	2.089	3.080	4.9	19.7
6 10	17 14.59	−12 11.4	2.070	3.073	3.6	19.6
6 20	17 6.85	−11 54.1	2.078	3.066	5.3	19.7
6 30	16 59.85	−11 45.6	2.112	3.060	8.3	19.8
7 10	16 54.29	−11 46.3	2.170	3.053	11.2	20.0
7 20	16 50.60	−11 55.7	2.249	3.047	13.8	20.2

208900 2002 TD_{152} 6 10.2 230°.15 0°.1/10.3 18

5 11	17 37.77	−23 52.1	2.029	2.919	11.3	21.1
5 21	17 31.58	−23 46.8	1.959	2.916	7.9	20.8
5 31	17 23.59	−23 38.5	1.914	2.914	4.1	20.6
6 10	17 14.62	−23 27.1	1.896	2.911	0.2	20.3
6 20	17 5.61	−23 13.3	1.905	2.908	3.9	20.6
6 30	16 57.54	−22 58.7	1.941	2.906	7.8	20.8
7 10	16 51.19	−22 45.4	2.002	2.903	11.2	21.0
7 20	16 47.09	−22 35.1	2.084	2.900	14.2	21.2

161944 2007 GM_{20} 6 10.2 351°.38 3°.3/ 9.6 17

5 11	17 34.22	−17 56.4	1.224	2.139	15.2	18.9
5 21	17 29.82	−17 17.5	1.164	2.131	10.9	18.7
5 31	17 22.92	−16 40.4	1.124	2.124	6.2	18.4
6 10	17 14.61	−16 8.2	1.108	2.119	3.3	18.2
6 20	17 6.23	−15 43.8	1.114	2.115	6.6	18.4
6 30	16 59.15	−15 29.8	1.143	2.112	11.4	18.6
7 10	16 54.49	−15 27.6	1.192	2.110	15.8	18.9
7 20	16 52.82	−15 36.7	1.259	2.110	19.6	19.1

141285 2001 YC_{65} 6 10.2 122°.64 0°.3/10.3 18

5 11	17 37.09	−23 52.7	2.425	3.309	9.9	20.8
5 21	17 30.82	−23 54.7	2.365	3.319	6.9	20.6
5 31	17 23.09	−23 54.2	2.329	3.328	3.6	20.4
6 10	17 14.63	−23 51.0	2.322	3.337	0.3	20.1
6 20	17 6.20	−23 45.6	2.344	3.346	3.4	20.4
6 30	16 58.60	−23 38.8	2.393	3.355	6.6	20.6
7 10	16 52.47	−23 32.3	2.468	3.363	9.6	20.8
7 20	16 48.24	−23 27.4	2.565	3.371	12.1	21.0

146548 2001 SU_{285} 6 10.2 202°.89 0°.7/10.2 18

5 11	17 40.90	−19 40.7	2.093	2.976	11.3	19.4
5 21	17 33.78	−20 2.6	2.018	2.972	7.9	19.2
5 31	17 24.77	−20 26.1	1.969	2.967	4.2	18.9
6 10	17 14.67	−20 50.1	1.947	2.962	0.7	18.6
6 20	17 4.41	−21 13.8	1.954	2.956	4.1	18.9
6 30	16 55.00	−21 37.1	1.989	2.950	7.9	19.1
7 10	16 47.29	−22 0.5	2.049	2.942	11.4	19.3
7 20	16 41.84	−22 24.7	2.131	2.935	14.3	19.5

196465 2003 JG_{5} 6 10.2 328°.84 6°.0/ 9.4 17

5 11	17 39.03	−30 1.8	1.217	2.122	16.0	19.0
5 21	17 34.16	−31 46.2	1.133	2.092	12.1	18.7
5 31	17 25.75	−33 30.9	1.071	2.064	8.0	18.4
6 10	17 14.70	−35 7.0	1.032	2.036	6.0	18.2
6 20	17 2.57	−36 26.3	1.016	2.010	8.6	18.2
6 30	16 51.43	−37 24.3	1.023	1.985	13.3	18.4
7 10	16 43.21	−38 2.4	1.049	1.961	18.0	18.6
7 20	16 39.18	−38 25.3	1.091	1.939	22.2	18.8

254257 2004 RJ_{170} 6 10.2 330°.07 4°.6/ 8.9 18

5 11	17 33.67	−13 36.1	1.735	2.632	12.5	19.7
5 21	17 28.94	−12 43.2	1.659	2.614	9.2	19.5
5 31	17 22.32	−11 54.2	1.605	2.596	6.0	19.3
6 10	17 14.61	−11 12.5	1.577	2.579	4.6	19.1
6 20	17 6.75	−10 41.1	1.575	2.563	6.7	19.2
6 30	16 59.76	−10 22.5	1.597	2.548	10.2	19.4
7 10	16 54.50	−10 17.4	1.641	2.533	13.7	19.6
7 20	16 51.54	−10 25.2	1.704	2.519	16.8	19.8

172504 2003 SW_{190} 6 10.2 160°.69 0°.5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.45	−21 59.6	1.619	2.513	13.4	20.7
5 21	17 34.43	−21 55.0	1.557	2.516	9.4	20.5
5 31	17 25.16	−21 48.8	1.519	2.519	4.9	20.2
6 10	17 14.69	−21 40.8	1.507	2.522	0.5	19.9
6 20	17 4.21	−21 31.7	1.521	2.524	4.8	20.2
6 30	16 54.98	−21 23.2	1.562	2.527	9.2	20.5
7 10	16 47.95	−21 17.5	1.625	2.528	13.2	20.7
7 20	16 43.68	−21 16.1	1.709	2.530	16.6	21.0

276092 2002 DU_{18} 6 10.2 87°.01 3°.1/10.4 17

5 11	17 42.77	−28 57.6	1.737	2.622	13.1	20.5
5 21	17 35.35	−29 50.3	1.685	2.636	9.4	20.3
5 31	17 25.65	−30 36.6	1.657	2.650	5.6	20.1
6 10	17 14.70	−31 12.9	1.656	2.665	3.1	19.9
6 20	17 3.77	−31 37.3	1.681	2.679	5.3	20.1
6 30	16 54.10	−31 50.5	1.733	2.692	8.9	20.3
7 10	16 46.70	−31 55.5	1.808	2.706	12.4	20.6
7 20	16 42.12	−31 55.7	1.904	2.720	15.3	20.8

419893 2011 AE_{54} 6 10.2 145°.39 2°.6/10.8 17

5 11	17 42.31	−30 36.3	1.853	2.734	12.6	21.7
5 21	17 34.87	−30 36.4	1.792	2.741	9.1	21.5
5 31	17 25.32	−30 27.1	1.755	2.748	5.3	21.3
6 10	17 14.70	−30 7.4	1.744	2.754	2.6	21.1
6 20	17 4.16	−29 37.9	1.760	2.760	4.7	21.2
6 30	16 54.88	−29 1.7	1.804	2.766	8.4	21.5
7 10	16 47.75	−28 22.9	1.871	2.771	11.9	21.7
7 20	16 43.28	−27 45.4	1.960	2.775	14.9	21.9

435201 2007 RM_{151} 6 10.2 338°.76 3°.1/ 9.5 17

5 11	17 35.98	−17 37.3	1.529	2.432	13.5	20.8
5 21	17 30.69	−16 53.6	1.463	2.424	9.6	20.6
5 31	17 23.26	−16 11.1	1.419	2.417	5.5	20.3
6 10	17 14.65	−15 32.4	1.401	2.411	3.1	20.2
6 20	17 5.98	−15 0.6	1.407	2.405	6.0	20.3
6 30	16 58.42	−14 38.1	1.438	2.400	10.2	20.5
7 10	16 52.92	−14 26.6	1.492	2.396	14.1	20.8
7 20	16 50.03	−14 26.1	1.564	2.392	17.5	21.0

237928 2002 PG_{189} 6 10.2 280°.03 2°.1/ 9.8 17

5 11	17 37.13	−17 56.7	1.887	2.779	11.9	20.8
5 21	17 31.27	−17 41.7	1.811	2.769	8.4	20.6
5 31	17 23.51	−17 28.5	1.760	2.758	4.7	20.3
6 10	17 14.66	−17 17.9	1.735	2.747	2.1	20.1
6 20	17 5.68	−17 11.1	1.736	2.736	4.8	20.3
6 30	16 57.58	−17 9.1	1.764	2.725	8.7	20.5
7 10	16 51.22	−17 12.9	1.816	2.714	12.3	20.7
7 20	16 47.16	−17 22.9	1.888	2.703	15.4	20.9

384661 2011 FZ_{18} 6 10.2 297°.48 1°.1/10.2 18

5 11	17 39.10	−19 4.8	1.644	2.540	13.1	20.6
5 21	17 33.11	−19 26.7	1.556	2.515	9.4	20.3
5 31	17 24.70	−19 52.4	1.491	2.490	5.0	20.0
6 10	17 14.69	−20 20.9	1.451	2.466	1.1	19.6
6 20	17 4.22	−20 51.1	1.438	2.441	5.0	19.8
6 30	16 54.57	−21 22.5	1.450	2.416	9.7	20.1
7 10	16 46.92	−21 55.1	1.486	2.392	14.1	20.3
7 20	16 42.06	−22 29.5	1.541	2.367	17.8	20.4

3079 Schiller 6 10.2 115°.64 1°.9/ 9.9 18

5 11	17 39.30	−18 4.7	2.091	2.976	11.2	18.2
5 21	17 32.38	−17 47.3	2.040	2.994	7.9	18.0
5 31	17 23.90	−17 31.3	2.014	3.011	4.3	17.8
6 10	17 14.67	−17 17.6	2.016	3.028	1.9	17.7
6 20	17 5.58	−17 7.2	2.046	3.044	4.4	17.9
6 30	16 57.49	−17 1.1	2.103	3.060	7.8	18.1
7 10	16 51.10	−17 0.2	2.185	3.075	10.9	18.3
7 20	16 46.81	−17 4.8	2.289	3.090	13.5	18.5

50969 2000 GO_{87} 6 10.2 118°.41 1°.7/10.1 18

5 11	17 40.49	−18 3.9	1.678	2.570	13.1	18.4
5 21	17 33.64	−18 12.0	1.621	2.578	9.2	18.2
5 31	17 24.72	−18 22.9	1.588	2.586	5.0	18.0
6 10	17 14.69	−18 36.4	1.581	2.594	1.7	17.8
6 20	17 4.68	−18 52.2	1.600	2.601	4.9	18.0
6 30	16 55.83	−19 10.5	1.646	2.609	9.0	18.3
7 10	16 49.04	−19 31.8	1.715	2.616	12.8	18.5
7 20	16 44.84	−19 56.1	1.805	2.622	15.9	18.7

36184 Pavelbozek 6 10.2 144°.87 0°.2/10.3 17

5 11	17 41.97	−23 48.9	1.779	2.667	12.7	20.5
5 21	17 34.61	−23 45.1	1.720	2.676	8.9	20.3
5 31	17 25.19	−23 37.9	1.685	2.684	4.6	20.1
6 10	17 14.70	−23 27.0	1.677	2.692	0.2	19.7
6 20	17 4.29	−23 13.1	1.696	2.699	4.4	20.1
6 30	16 55.09	−22 58.2	1.742	2.706	8.6	20.4
7 10	16 47.97	−22 44.7	1.812	2.712	12.3	20.6
7 20	16 43.45	−22 34.6	1.903	2.717	15.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
500132 2012 CT_{33}			6 10.2 188°.35	2°.3/10.7 17		
	h m	° ′			°	m
5 11	17 43.28	−29 23.2	1.746	2.629	13.1	22.4
5 21	17 35.74	−29 25.4	1.678	2.629	9.5	22.1
5 31	17 25.87	−29 19.1	1.633	2.628	5.4	21.9
6 10	17 14.72	−29 2.6	1.615	2.627	2.3	21.7
6 20	17 3.56	−28 36.6	1.624	2.625	4.9	21.9
6 30	16 53.65	−28 3.7	1.659	2.622	9.0	22.1
7 10	16 46.01	−27 28.5	1.718	2.619	12.8	22.3
7 20	16 41.21	−26 54.8	1.798	2.615	16.0	22.5
7456 Doressoundiram			6 10.2 322°.42	8°.8/ 9.9 18		
5 11	17 36.22	− 3 46.5	1.334	2.219	16.3	16.4
5 21	17 31.40	− 3 34.8	1.247	2.186	13.1	16.1
5 31	17 23.94	− 3 43.3	1.181	2.155	10.2	15.9
6 10	17 14.69	− 4 16.8	1.137	2.124	8.8	15.7
6 20	17 4.83	− 5 17.0	1.116	2.094	10.4	15.7
6 30	16 55.80	− 6 42.2	1.117	2.064	13.9	15.8
7 10	16 48.90	− 8 27.6	1.138	2.036	18.0	16.0
7 20	16 45.05	−10 26.6	1.177	2.009	21.9	16.1
247122 2000 UF_{77}			6 10.2 278°.93	5°.3/ 8.3 18		
5 11	17 35.37	− 9 16.1	2.281	3.156	10.8	20.6
5 21	17 29.78	− 8 16.5	2.196	3.134	8.3	20.4
5 31	17 22.66	− 7 22.3	2.136	3.112	6.1	20.2
6 10	17 14.66	− 6 36.7	2.103	3.090	5.3	20.1
6 20	17 6.50	− 6 2.5	2.097	3.068	6.8	20.2
6 30	16 58.99	− 5 41.6	2.117	3.045	9.4	20.3
7 10	16 52.83	− 5 34.6	2.161	3.022	12.2	20.4
7 20	16 48.52	− 5 40.6	2.226	2.999	14.7	20.5
336667 2009 YY_{19}			6 10.2 66°.63	1°.7/10.6 17		
5 11	17 39.95	−28 19.0	1.694	2.585	13.1	20.3
5 21	17 33.24	−28 10.1	1.643	2.599	9.3	20.1
5 31	17 24.46	−27 53.6	1.615	2.612	5.1	19.9
6 10	17 14.69	−27 29.1	1.613	2.626	1.7	19.7
6 20	17 5.10	−26 57.9	1.638	2.641	4.5	19.9
6 30	16 56.84	−26 23.2	1.688	2.655	8.5	20.1
7 10	16 50.76	−25 48.8	1.762	2.669	12.2	20.4
7 20	16 47.31	−25 17.8	1.857	2.683	15.2	20.6
510743 2012 XX_{1}			6 10.2 254°.37	2°.2/10.5 18		
5 11	17 40.27	−28 31.7	2.238	3.116	10.8	22.2
5 21	17 33.48	−29 0.2	2.149	3.098	7.8	22.0
5 31	17 24.71	−29 24.0	2.086	3.079	4.6	21.7
6 10	17 14.72	−29 41.0	2.050	3.060	2.2	21.5
6 20	17 4.44	−29 49.9	2.042	3.041	4.3	21.6
6 30	16 54.92	−29 51.5	2.062	3.021	7.8	21.8
7 10	16 47.06	−29 47.6	2.107	3.001	11.1	22.0
7 20	16 41.49	−29 41.1	2.174	2.980	14.0	22.2
513812 2013 DF_{4}			6 10.2 201°.08	4°.4/11.5 18		
5 11	17 40.62	−39 30.4	2.931	3.772	9.6	23.1
5 21	17 33.34	−39 46.2	2.852	3.768	7.5	23.0
5 31	17 24.46	−39 50.9	2.799	3.763	5.6	22.9
6 10	17 14.71	−39 42.7	2.773	3.757	4.5	22.8
6 20	17 4.93	−39 21.4	2.776	3.751	5.1	22.8
6 30	16 55.97	−38 48.6	2.806	3.744	7.0	22.9
7 10	16 48.56	−38 7.4	2.863	3.736	9.1	23.1
7 20	16 43.15	−37 21.7	2.942	3.729	11.2	23.2
380145 1999 UH_{31}			6 10.2 161°.80	0°.0/10.3 17		
5 11	17 39.04	−23 13.9	2.574	3.452	9.6	22.9
5 21	17 32.13	−23 14.6	2.508	3.460	6.7	22.7
5 31	17 23.79	−23 13.2	2.468	3.466	3.5	22.5
6 10	17 14.70	−23 9.4	2.457	3.472	0.1	22.2
6 20	17 5.63	−23 3.6	2.475	3.477	3.3	22.5
6 30	16 57.35	−22 56.7	2.522	3.482	6.5	22.7
7 10	16 50.50	−22 50.2	2.596	3.486	9.4	22.9
7 20	16 45.51	−22 45.5	2.692	3.489	11.8	23.1
491477 2012 HE_{25}			6 10.2 148°.75	14°.5/ 5.3 18		
5 11	17 42.95	+ 0 13.4	1.121	1.995	19.5	21.5
5 21	17 35.79	+ 2 59.8	1.081	2.000	16.6	21.4
5 31	17 25.96	+ 5 23.4	1.063	2.004	14.8	21.3
6 10	17 14.76	+ 7 11.7	1.065	2.009	14.7	21.3
6 20	17 3.73	+ 8 16.8	1.089	2.012	16.4	21.4
6 30	16 54.34	+ 8 37.5	1.131	2.016	19.1	21.6
7 10	16 47.69	+ 8 19.0	1.190	2.019	21.9	21.8
7 20	16 44.30	+ 7 29.6	1.262	2.021	24.4	22.0
388331 2006 SK_{385}			6 10.2 13°.75	4°.3/ 9.8 17		
5 11	17 36.08	−10 42.0	1.923	2.807	12.1	20.8
5 21	17 30.39	−10 37.7	1.861	2.809	8.9	20.6
5 31	17 23.01	−10 42.1	1.823	2.810	5.9	20.4
6 10	17 14.70	−10 56.2	1.811	2.812	4.3	20.3
6 20	17 6.36	−11 20.1	1.825	2.813	6.0	20.4
6 30	16 58.89	−11 53.3	1.865	2.815	9.0	20.6
7 10	16 53.07	−12 34.5	1.929	2.818	12.2	20.8
7 20	16 49.37	−13 21.8	2.014	2.820	14.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
297800 2001 YO_{122}			6 10.2 147°.09	2°.7/10.7 17		
	h m	° ′			°	m
5 11	17 44.92	−29 36.8	1.677	2.559	13.6	21.3
5 21	17 36.89	−29 51.5	1.619	2.569	9.8	21.1
5 31	17 26.47	−29 57.5	1.584	2.578	5.7	20.9
6 10	17 14.80	−29 52.8	1.575	2.586	2.7	20.7
6 20	17 3.19	−29 37.2	1.594	2.594	5.1	20.9
6 30	16 53.00	−29 13.5	1.638	2.600	9.1	21.2
7 10	16 45.22	−28 46.0	1.707	2.607	12.9	21.4
7 20	16 40.40	−28 18.8	1.796	2.612	16.1	21.6
497080 2003 WD_{25}			6 10.2 246°.00	1°.7/10.5 17		
5 11	17 42.88	−26 53.7	1.815	2.700	12.7	22.5
5 21	17 35.63	−27 8.7	1.729	2.682	9.1	22.2
5 31	17 25.96	−27 18.5	1.668	2.664	5.0	22.0
6 10	17 14.79	−27 21.2	1.632	2.646	1.7	21.7
6 20	17 3.29	−27 16.1	1.624	2.626	4.7	21.9
6 30	16 52.77	−27 4.7	1.643	2.606	9.0	22.1
7 10	16 44.32	−26 50.0	1.686	2.585	13.1	22.3
7 20	16 38.67	−26 35.3	1.750	2.564	16.5	22.4
475790 2006 XV_{24}			6 10.2 182°.16	0°.1/10.3 17		
5 11	17 37.12	−25 1.8	2.869	3.747	8.8	21.7
5 21	17 30.70	−24 33.7	2.796	3.747	6.1	21.5
5 31	17 23.02	−24 1.6	2.749	3.747	3.2	21.3
6 10	17 14.72	−23 26.3	2.732	3.747	0.1	21.0
6 20	17 6.46	−22 48.9	2.744	3.746	3.0	21.3
6 30	16 58.91	−22 11.5	2.786	3.745	6.0	21.5
7 10	16 52.64	−21 36.1	2.854	3.743	8.6	21.6
7 20	16 48.03	−21 4.4	2.945	3.741	10.9	21.8
385474 2003 UC_{281}			6 10.3 162°.23	3°.1/10.6 18		
5 11	17 41.39	−31 43.1	2.441	3.309	10.4	21.8
5 21	17 34.03	−32 22.1	2.374	3.315	7.7	21.6
5 31	17 24.90	−32 54.2	2.333	3.320	4.8	21.5
6 10	17 14.77	−33 16.8	2.320	3.324	3.1	21.3
6 20	17 4.56	−33 29.0	2.336	3.328	4.5	21.4
6 30	16 55.23	−33 31.5	2.380	3.332	7.3	21.6
7 10	16 47.56	−33 26.7	2.449	3.335	10.0	21.8
7 20	16 42.07	−33 17.6	2.541	3.337	12.4	22.0
375773 2009 SD_{156}			6 10.3 65°.22	2°.3/ 9.9 17		
5 11	17 38.93	−18 26.0	1.541	2.439	13.7	20.6
5 21	17 32.64	−18 4.3	1.488	2.448	9.6	20.3
5 31	17 24.23	−17 44.2	1.458	2.457	5.3	20.1
6 10	17 14.75	−17 27.3	1.453	2.465	2.3	19.9
6 20	17 5.37	−17 14.8	1.474	2.474	5.4	20.1
6 30	16 57.24	−17 8.4	1.520	2.483	9.6	20.4
7 10	16 51.26	−17 9.1	1.589	2.492	13.4	20.7
7 20	16 47.93	−17 17.0	1.677	2.502	16.7	20.9
64909 2001 YT_{90}			6 10.3 267°.49	0°.3/10.2 18		
5 11	17 39.81	−21 47.9	1.788	2.680	12.4	19.3
5 21	17 33.40	−21 58.3	1.706	2.664	8.8	19.1
5 31	17 24.77	−22 8.5	1.647	2.647	4.6	18.8
6 10	17 14.77	−22 17.4	1.615	2.630	0.3	18.4
6 20	17 4.49	−22 24.9	1.610	2.613	4.5	18.7
6 30	16 55.11	−22 31.6	1.631	2.596	8.9	18.9
7 10	16 47.67	−22 38.9	1.676	2.578	12.9	19.1
7 20	16 42.82	−22 48.4	1.741	2.561	16.4	19.3
228333 2000 SW_{19}			6 10.3 230°.89	3°.6/11.1 18		
5 11	17 42.31	−34 23.8	2.248	3.113	11.3	21.2
5 21	17 34.87	−34 29.2	2.163	3.100	8.5	21.0
5 31	17 25.41	−34 23.8	2.103	3.087	5.5	20.8
6 10	17 14.79	−34 5.8	2.070	3.072	3.6	20.7
6 20	17 4.05	−33 35.0	2.065	3.058	5.0	20.7
6 30	16 54.27	−32 53.9	2.088	3.042	8.0	20.9
7 10	16 46.37	−32 6.6	2.136	3.026	11.1	21.0
7 20	16 40.91	−31 17.6	2.206	3.009	13.9	21.2
393966 2005 UC_{278}			6 10.3 236°.86	3°.2/10.7 18		
5 11	17 38.75	−32 14.1	2.446	3.317	10.3	20.7
5 21	17 32.27	−32 48.6	2.370	3.311	7.6	20.5
5 31	17 24.03	−33 16.1	2.319	3.305	4.9	20.3
6 10	17 14.76	−33 34.6	2.296	3.299	3.2	20.2
6 20	17 5.35	−33 42.9	2.301	3.293	4.6	20.3
6 30	16 56.72	−33 41.8	2.333	3.287	7.3	20.5
7 10	16 49.68	−33 33.6	2.391	3.280	10.1	20.6
7 20	16 44.75	−33 21.1	2.470	3.273	12.6	20.8
248117 2004 RF_{189}			6 10.3 261°.38	0°.9/10.5 18		
5 11	17 36.41	−26 41.4	2.458	3.341	9.8	20.3
5 21	17 30.50	−26 33.5	2.378	3.331	7.0	20.1
5 31	17 23.05	−26 21.0	2.323	3.320	3.8	19.9
6 10	17 14.74	−26 3.5	2.296	3.310	0.9	19.7
6 20	17 6.37	−25 41.8	2.297	3.300	3.5	19.8
6 30	16 58.74	−25 17.5	2.326	3.289	6.8	20.0
7 10	16 52.56	−24 52.8	2.381	3.279	9.8	20.2
7 20	16 48.29	−24 29.9	2.458	3.268	12.4	20.4

320513 2007 XU_{57} 6 10.3 103°.89 0°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.49	−23 56.8	1.570	2.464	13.7	21.1
5 21	17 34.44	−23 47.2	1.516	2.475	9.6	20.9
5 31	17 25.18	−23 33.7	1.486	2.486	5.0	20.7
6 10	17 14.80	−23 16.4	1.482	2.497	0.2	20.3
6 20	17 4.54	−22 56.4	1.503	2.507	4.7	20.7
6 30	16 55.65	−22 36.3	1.551	2.517	9.2	21.0
7 10	16 49.06	−22 18.8	1.622	2.527	13.1	21.2
7 20	16 45.25	−22 6.0	1.712	2.537	16.4	21.5

366994 2005 YF_{186} 6 10.3 187°.66 0°.7/10.0 18

5 11	17 39.73	−22 45.2	2.113	2.998	11.1	21.1
5 21	17 32.85	−22 11.0	2.042	2.997	7.8	20.9
5 31	17 24.26	−21 33.3	1.998	2.997	4.1	20.7
6 10	17 14.78	−20 53.3	1.980	2.995	0.7	20.4
6 20	17 5.32	−20 13.0	1.992	2.993	4.0	20.6
6 30	16 56.83	−19 35.0	2.031	2.991	7.8	20.9
7 10	16 50.06	−19 1.7	2.095	2.988	11.1	21.1
7 20	16 45.47	−18 35.2	2.181	2.985	14.0	21.3

29755 1999 CT_5 6 10.3 242°.36 2°.1/ 9.9 18

5 11	17 39.33	−17 24.9	1.821	2.711	12.3	18.2
5 21	17 32.90	−17 21.5	1.746	2.702	8.8	18.0
5 31	17 24.44	−17 21.1	1.695	2.693	4.9	17.7
6 10	17 14.79	−17 23.9	1.671	2.683	2.1	17.5
6 20	17 4.97	−17 30.3	1.673	2.673	5.0	17.7
6 30	16 56.08	−17 41.0	1.702	2.663	9.0	17.9
7 10	16 49.04	−17 56.5	1.755	2.652	12.7	18.1
7 20	16 44.44	−18 17.0	1.828	2.641	15.9	18.3

436984 2012 TW_{202} 6 10.3 40°.65 6°.3/ 9.1 17

5 11	17 36.27	− 8 57.4	1.593	2.482	13.9	20.4
5 21	17 30.65	− 8 10.6	1.546	2.492	10.5	20.2
5 31	17 23.16	− 7 34.6	1.521	2.502	7.5	20.0
6 10	17 14.76	− 7 12.7	1.521	2.513	6.3	20.0
6 20	17 6.46	− 7 6.6	1.545	2.524	7.9	20.1
6 30	16 59.28	− 7 16.8	1.594	2.535	10.9	20.3
7 10	16 54.03	− 7 41.6	1.664	2.547	14.1	20.5
7 20	16 51.15	− 8 18.4	1.753	2.559	16.8	20.8

29216 1991 VX_5 6 10.3 84°.93 0°.7/10.2 18

5 11	17 37.85	−19 47.2	2.081	2.969	11.1	17.3
5 21	17 31.62	−20 7.8	2.017	2.973	7.8	17.1
5 31	17 23.67	−20 29.8	1.978	2.978	4.1	16.9
6 10	17 14.78	−20 52.4	1.967	2.982	0.7	16.7
6 20	17 5.84	−21 15.0	1.983	2.986	3.9	16.9
6 30	16 57.77	−21 37.5	2.027	2.990	7.6	17.2
7 10	16 51.35	−22 0.3	2.096	2.994	10.9	17.4
7 20	16 47.07	−22 23.9	2.186	2.999	13.7	17.6

307232 2002 GS_{185} 6 10.3 119°.38 1°.9/ 9.9 17

5 11	17 41.93	−18 58.2	1.569	2.462	13.8	21.5
5 21	17 34.69	−18 41.8	1.517	2.475	9.7	21.3
5 31	17 25.30	−18 26.6	1.488	2.487	5.2	21.1
6 10	17 14.82	−18 13.3	1.485	2.498	1.9	20.9
6 20	17 4.48	−18 3.1	1.509	2.510	5.2	21.1
6 30	16 55.47	−17 57.6	1.559	2.521	9.5	21.4
7 10	16 48.70	−17 58.1	1.631	2.531	13.4	21.7
7 20	16 44.65	−18 4.9	1.723	2.541	16.6	21.9

504295 2007 CG_2 6 10.3 113°.99 0°.7/10.1 17

5 11	17 36.33	−20 50.9	2.956	3.835	8.5	23.2
5 21	17 30.05	−20 44.3	2.904	3.856	5.9	23.0
5 31	17 22.66	−20 37.2	2.878	3.876	3.1	22.8
6 10	17 14.76	−20 29.7	2.882	3.897	0.7	22.7
6 20	17 6.95	−20 22.5	2.915	3.916	3.0	22.9
6 30	16 59.84	−20 16.4	2.978	3.936	5.7	23.1
7 10	16 53.94	−20 12.1	3.066	3.954	8.2	23.3
7 20	16 49.58	−20 10.5	3.179	3.973	10.2	23.5

305390 2008 CE_{54} 6 10.3 113°.38 5°.1/ 9.3 18

5 11	17 35.42	− 7 55.6	2.259	3.131	11.0	20.8
5 21	17 29.70	− 7 27.4	2.201	3.138	8.4	20.7
5 31	17 22.58	− 7 8.0	2.168	3.144	6.1	20.5
6 10	17 14.76	− 6 59.1	2.162	3.150	5.1	20.5
6 20	17 6.96	− 7 1.8	2.182	3.156	6.3	20.6
6 30	16 59.94	− 7 16.1	2.229	3.162	8.7	20.7
7 10	16 54.32	− 7 41.2	2.300	3.168	11.2	20.9
7 20	16 50.51	− 8 15.2	2.391	3.173	13.5	21.1

345936 2007 RB_{268} 6 10.3 292°.52 1°.8/10.5 16

5 11	17 38.83	−27 8.5	1.828	2.718	12.3	21.0
5 21	17 32.70	−27 27.1	1.751	2.706	8.8	20.8
5 31	17 24.40	−27 40.8	1.698	2.695	4.9	20.5
6 10	17 14.81	−27 48.1	1.671	2.684	1.8	20.3
6 20	17 5.01	−27 48.2	1.670	2.673	4.6	20.4
6 30	16 56.19	−27 42.4	1.696	2.662	8.6	20.7
7 10	16 49.34	−27 33.1	1.746	2.651	12.4	20.9
7 20	16 45.08	−27 23.3	1.816	2.640	15.6	21.1

25483 Trusheim 6 10.3 115°.55 0°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.22	−22 10.2	1.628	2.521	13.3	19.0
5 21	17 34.21	−22 1.3	1.573	2.531	9.3	18.8
5 31	17 25.06	−21 50.5	1.541	2.541	4.9	18.6
6 10	17 14.82	−21 38.0	1.536	2.551	0.6	18.3
6 20	17 4.68	−21 24.6	1.557	2.560	4.7	18.6
6 30	16 55.82	−21 12.4	1.604	2.569	9.0	18.9
7 10	16 49.15	−21 3.3	1.674	2.578	12.9	19.1
7 20	16 45.17	−20 59.1	1.765	2.586	16.1	19.4

396262 2014 CY_{14} 6 10.3 174°.28 2°.1/10.8 17

5 11	17 39.22	−29 59.5	2.128	3.007	11.3	20.9
5 21	17 32.60	−29 52.8	2.059	3.008	8.1	20.7
5 31	17 24.18	−29 38.3	2.015	3.009	4.7	20.5
6 10	17 14.81	−29 15.2	1.998	3.010	2.1	20.3
6 20	17 5.46	−28 44.5	2.009	3.010	4.1	20.5
6 30	16 57.13	−28 8.6	2.048	3.010	7.6	20.7
7 10	16 50.59	−27 30.9	2.111	3.010	10.8	20.9
7 20	16 46.34	−26 54.6	2.196	3.010	13.6	21.1

256803 2008 CO_{85} 6 10.3 81°.91 6°.4/ 9.0 18

5 11	17 34.93	− 4 23.2	2.206	3.070	11.5	21.0
5 21	17 29.37	− 3 47.5	2.151	3.077	9.1	20.8
5 31	17 22.42	− 3 23.3	2.121	3.083	7.1	20.7
6 10	17 14.77	− 3 12.7	2.116	3.090	6.4	20.7
6 20	17 7.15	− 3 17.1	2.137	3.097	7.4	20.7
6 30	17 0.32	− 3 36.1	2.184	3.104	9.5	20.9
7 10	16 54.89	− 4 8.4	2.254	3.110	11.9	21.0
7 20	16 51.29	− 4 51.3	2.344	3.117	14.0	21.2

320089 2007 EU_{89} 6 10.3 336°.64 0°.6/10.3 16

5 11	17 40.41	−24 1.4	1.083	1.996	16.9	20.9
5 21	17 34.67	−24 10.5	1.024	1.991	12.0	20.6
5 31	17 25.71	−24 16.2	0.984	1.986	6.3	20.2
6 10	17 14.86	−24 17.1	0.967	1.982	0.7	19.8
6 20	17 3.82	−24 13.0	0.973	1.978	6.0	20.2
6 30	16 54.43	−24 6.2	1.000	1.975	11.8	20.5
7 10	16 48.09	−24 0.0	1.048	1.972	16.9	20.8
7 20	16 45.49	−23 57.5	1.112	1.970	21.2	21.0

437645 2014 BV_{47} 6 10.3 224°.36 1°.7/10.7 17

5 11	17 39.17	−28 27.0	2.040	2.924	11.5	21.6
5 21	17 32.67	−28 25.0	1.968	2.920	8.2	21.4
5 31	17 24.28	−28 16.3	1.920	2.916	4.6	21.1
6 10	17 14.84	−28 0.1	1.899	2.912	1.7	20.9
6 20	17 5.36	−27 37.0	1.906	2.908	4.2	21.1
6 30	16 56.86	−27 9.2	1.940	2.904	7.8	21.3
7 10	16 50.20	−26 39.8	1.998	2.899	11.2	21.5
7 20	16 45.88	−26 11.8	2.078	2.894	14.2	21.7

264975 2003 BF_{39} 6 10.3 354°.62 4°.8/ 9.8 17 R

5 11	17 35.91	−13 4.1	1.240	2.148	15.6	19.1
5 21	17 31.02	−12 49.1	1.182	2.143	11.5	18.8
5 31	17 23.63	−12 43.7	1.145	2.139	7.2	18.6
6 10	17 14.82	−12 49.9	1.130	2.137	4.8	18.4
6 20	17 5.91	−13 8.7	1.138	2.135	7.3	18.6
6 30	16 58.27	−13 39.6	1.170	2.134	11.7	18.8
7 10	16 53.01	−14 21.1	1.222	2.135	15.9	19.0
7 20	16 50.76	−15 10.7	1.291	2.136	19.6	19.3

263978 2009 KY_7 6 10.3 43°.55 2°.8/ 9.9 17

5 11	17 39.36	−18 2.0	1.218	2.126	15.8	20.3
5 21	17 33.30	−17 39.5	1.172	2.137	11.2	20.1
5 31	17 24.72	−17 20.0	1.148	2.147	6.2	19.8
6 10	17 14.86	−17 5.3	1.146	2.159	2.8	19.7
6 20	17 5.15	−16 56.8	1.169	2.171	6.2	19.9
6 30	16 57.01	−16 56.0	1.215	2.183	11.0	20.2
7 10	16 51.44	−17 3.7	1.282	2.195	15.3	20.5
7 20	16 48.96	−17 19.4	1.367	2.208	18.9	20.8

53640 2000 DT_{14} 6 10.3 201°.32 0°.3/10.2 18

5 11	17 43.21	−22 12.7	1.514	2.408	14.1	19.2
5 21	17 35.96	−22 17.8	1.446	2.405	10.0	19.0
5 31	17 26.17	−22 21.5	1.402	2.402	5.2	18.7
6 10	17 14.91	−22 23.0	1.383	2.399	0.3	18.3
6 20	17 3.53	−22 22.1	1.391	2.395	5.0	18.6
6 30	16 53.41	−22 20.4	1.424	2.390	9.9	18.9
7 10	16 45.69	−22 20.1	1.480	2.385	14.2	19.1
7 20	16 40.99	−22 23.1	1.556	2.379	17.8	19.4

255680 2006 QL_{49} 6 10.3 291°.24 4°.7/10.7 17

5 11	17 42.18	−32 20.6	1.440	2.330	15.0	20.4
5 21	17 35.77	−33 0.3	1.363	2.314	11.2	20.1
5 31	17 26.31	−33 30.2	1.308	2.298	7.3	19.8
6 10	17 14.92	−33 45.5	1.277	2.282	4.8	19.6
6 20	17 3.11	−33 43.9	1.270	2.266	6.8	19.7
6 30	16 52.58	−33 27.0	1.287	2.250	11.0	19.9
7 10	16 44.76	−32 59.8	1.327	2.235	15.3	20.1
7 20	16 40.45	−32 28.3	1.384	2.219	19.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
441019 2007 EE_{135}			6 10.3 202°.02	4°.4/ 9.3 18		
	h m	° ′			°	m
5 11	17 34.70	− 8 56.6	2.554	3.425	9.9	21.6
5 21	17 29.15	− 8 33.0	2.486	3.423	7.5	21.4
5 31	17 22.33	− 8 16.5	2.443	3.421	5.3	21.2
6 10	17 14.82	− 8 8.5	2.427	3.419	4.4	21.2
6 20	17 7.27	− 8 10.1	2.439	3.416	5.6	21.3
6 30	17 0.38	− 8 21.5	2.478	3.413	7.9	21.4
7 10	16 54.71	− 8 42.1	2.542	3.410	10.3	21.5
7 20	16 50.67	− 9 10.7	2.627	3.407	12.5	21.7
134909 2000 YC_{37}			6 10.3 197°.83	2°.5/ 9.6 18		
5 11	17 31.80	−11 44.7	3.790	4.660	7.0	20.4
5 21	17 26.85	−11 39.1	3.716	4.657	5.1	20.2
5 31	17 21.04	−11 37.4	3.669	4.654	3.3	20.1
6 10	17 14.78	−11 40.0	3.650	4.650	2.5	20.0
6 20	17 8.50	−11 47.4	3.661	4.647	3.5	20.1
6 30	17 2.62	−11 59.6	3.701	4.643	5.3	20.2
7 10	16 57.55	−12 16.5	3.767	4.639	7.2	20.3
7 20	16 53.57	−12 37.6	3.857	4.634	8.9	20.5
465902 2010 VF_{30}			6 10.3 261°.71	2°.7/10.4 17		
5 11	17 42.70	−27 59.0	1.577	2.467	13.9	21.4
5 21	17 35.83	−28 37.5	1.500	2.455	10.1	21.2
5 31	17 26.24	−29 11.0	1.446	2.442	5.8	20.9
6 10	17 14.93	−29 36.0	1.417	2.428	2.8	20.7
6 20	17 3.25	−29 50.4	1.414	2.415	5.5	20.8
6 30	16 52.69	−29 54.7	1.437	2.401	10.0	21.0
7 10	16 44.52	−29 52.1	1.482	2.387	14.2	21.2
7 20	16 39.51	−29 46.5	1.547	2.372	17.8	21.5
89985 2002 TT_{41}			6 10.3 312°.08	0°.3/10.2 18		
5 11	17 37.48	−22 11.7	1.821	2.716	12.1	19.4
5 21	17 31.66	−22 16.1	1.749	2.708	8.5	19.2
5 31	17 23.83	−22 19.6	1.701	2.701	4.5	18.9
6 10	17 14.86	−22 21.6	1.678	2.694	0.3	18.5
6 20	17 5.76	−22 22.3	1.683	2.687	4.3	18.9
6 30	16 57.60	−22 22.8	1.713	2.680	8.5	19.1
7 10	16 51.30	−22 24.5	1.768	2.673	12.2	19.3
7 20	16 47.43	−22 28.8	1.842	2.667	15.4	19.5
150257 1999 RO_{7}			6 10.3 253°.40	0°.9/10.4 16		
5 11	17 42.71	−24 40.4	1.251	2.154	15.8	20.3
5 21	17 36.03	−24 48.4	1.188	2.151	11.2	20.0
5 31	17 26.35	−24 52.2	1.146	2.147	6.0	19.7
6 10	17 14.93	−24 50.3	1.128	2.143	0.9	19.4
6 20	17 3.35	−24 42.4	1.134	2.139	5.6	19.7
6 30	16 53.30	−24 31.0	1.164	2.135	11.0	20.0
7 10	16 46.07	−24 19.6	1.215	2.131	15.8	20.2
7 20	16 42.35	−24 11.5	1.284	2.126	19.8	20.5
501753 2014 UJ_{140}			6 10.3 126°.67	0°.9/10.1 17		
5 11	17 41.46	−22 47.2	1.492	2.389	14.1	21.2
5 21	17 34.56	−22 13.2	1.434	2.394	9.9	20.9
5 31	17 25.33	−21 35.4	1.399	2.399	5.2	20.7
6 10	17 14.91	−20 55.1	1.389	2.404	0.9	20.4
6 20	17 4.59	−20 15.0	1.405	2.408	5.1	20.7
6 30	16 55.66	−19 38.5	1.447	2.413	9.8	21.0
7 10	16 49.08	−19 8.9	1.511	2.417	13.9	21.2
7 20	16 45.38	−18 48.1	1.595	2.421	17.3	21.4
118060 4213 $T\text{-}_{2}$			6 10.3 235°.93	0°.8/10.1 18 R		
5 11	17 41.07	−21 8.4	1.804	2.694	12.5	20.7
5 21	17 34.23	−21 3.1	1.725	2.682	8.8	20.4
5 31	17 25.22	−20 57.0	1.670	2.670	4.7	20.1
6 10	17 14.92	−20 49.9	1.642	2.657	0.8	19.8
6 20	17 4.41	−20 42.4	1.641	2.643	4.6	20.1
6 30	16 54.88	−20 35.9	1.667	2.630	8.9	20.3
7 10	16 47.30	−20 32.4	1.716	2.615	12.9	20.5
7 20	16 42.29	−20 33.1	1.786	2.600	16.2	20.7
301395 2009 DL_{31}			6 10.3 106°.34	2°.6/ 9.7 18		
5 11	17 36.90	−15 39.1	2.212	3.097	10.7	21.4
5 21	17 30.76	−15 18.8	2.158	3.109	7.6	21.2
5 31	17 23.17	−15 1.8	2.128	3.122	4.5	21.0
6 10	17 14.86	−14 49.2	2.125	3.134	2.6	20.9
6 20	17 6.62	−14 41.8	2.151	3.145	4.6	21.1
6 30	16 59.26	−14 40.6	2.204	3.157	7.7	21.3
7 10	16 53.40	−14 45.7	2.281	3.168	10.6	21.5
7 20	16 49.47	−14 57.0	2.380	3.179	13.1	21.7
248622 2006 EC_{40}			6 10.3 246°.88	1°.4/ 9.9 17		
5 11	17 38.29	−20 12.9	1.889	2.780	11.9	20.9
5 21	17 32.11	−19 52.1	1.816	2.774	8.4	20.7
5 31	17 24.03	−19 30.5	1.768	2.767	4.5	20.4
6 10	17 14.88	−19 9.3	1.747	2.761	1.4	20.2
6 20	17 5.66	−18 49.7	1.753	2.754	4.5	20.4
6 30	16 57.39	−18 33.6	1.785	2.747	8.5	20.6
7 10	16 50.92	−18 22.6	1.841	2.740	12.1	20.8
7 20	16 46.78	−18 17.9	1.918	2.732	15.2	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
510812 2013 BF_{32}			6 10.3 15°.44	9°.3/11.2 17		
	h m	° ′			°	m
5 11	17 37.48	+ 4 17.4	1.860	2.696	14.6	20.0
5 21	17 31.40	+ 4 5.0	1.804	2.700	12.2	19.9
5 31	17 23.59	+ 3 30.1	1.769	2.705	10.2	19.8
6 10	17 14.88	+ 2 31.3	1.758	2.710	9.3	19.7
6 20	17 6.17	+ 1 9.8	1.773	2.716	9.9	19.8
6 30	16 58.40	− 0 30.8	1.812	2.723	11.7	19.9
7 10	16 52.31	− 2 25.0	1.875	2.730	14.0	20.0
7 20	16 48.41	− 4 27.1	1.959	2.738	16.2	20.2
364644 2007 TR_{144}			6 10.3 311°.10	3°.8/10.5 17		
5 11	17 40.37	−29 3.9	1.184	2.089	16.3	20.1
5 21	17 34.92	−29 43.8	1.107	2.069	12.0	19.8
5 31	17 26.07	−30 17.0	1.052	2.049	7.2	19.5
6 10	17 14.96	−30 39.0	1.018	2.029	3.8	19.2
6 20	17 3.24	−30 46.6	1.008	2.010	6.9	19.3
6 30	16 52.87	−30 41.0	1.020	1.991	12.1	19.6
7 10	16 45.51	−30 26.7	1.051	1.973	17.1	19.8
7 20	16 42.08	−30 9.1	1.100	1.956	21.5	20.0
193655 2001 DV_{44}			6 10.3 172°.38	1°.1/10.1 18		
5 11	17 38.65	−20 5.0	2.170	3.056	10.8	20.9
5 21	17 32.12	−19 56.5	2.104	3.058	7.6	20.7
5 31	17 23.95	−19 47.9	2.062	3.060	4.0	20.5
6 10	17 14.89	−19 39.7	2.048	3.062	1.1	20.3
6 20	17 5.83	−19 32.4	2.062	3.063	4.0	20.5
6 30	16 57.64	−19 27.2	2.104	3.064	7.5	20.7
7 10	16 51.05	−19 25.2	2.171	3.064	10.8	20.9
7 20	16 46.55	−19 27.3	2.259	3.064	13.5	21.1
380034 2013 RE_{2}			6 10.3 333°.92	7°.8/ 8.9 17		
5 11	17 36.48	− 8 13.7	1.276	2.173	16.0	20.3
5 21	17 31.37	− 7 18.6	1.215	2.165	12.4	20.0
5 31	17 23.83	− 6 36.2	1.176	2.157	9.1	19.8
6 10	17 14.89	− 6 11.5	1.158	2.150	7.9	19.7
6 20	17 5.83	− 6 7.9	1.163	2.143	9.8	19.8
6 30	16 57.97	− 6 26.0	1.191	2.137	13.3	20.0
7 10	16 52.41	− 7 3.7	1.238	2.132	17.1	20.2
7 20	16 49.78	− 7 57.1	1.302	2.128	20.5	20.4
134176 2005 CF_{16}			6 10.3 196°.38	3°.5/ 9.7 17		
5 11	17 37.33	−13 42.2	1.944	2.831	11.8	20.5
5 21	17 31.32	−13 24.3	1.879	2.830	8.6	20.3
5 31	17 23.58	−13 11.8	1.838	2.830	5.3	20.1
6 10	17 14.89	−13 6.0	1.823	2.829	3.5	20.0
6 20	17 6.16	−13 7.9	1.836	2.828	5.5	20.1
6 30	16 58.33	−13 18.0	1.874	2.827	8.8	20.3
7 10	16 52.17	−13 36.0	1.937	2.826	12.1	20.5
7 20	16 48.18	−14 1.3	2.020	2.825	14.9	20.7
267685 2002 UD_{33}			6 10.3 257°.74	0°.8/10.4 18		
5 11	17 41.44	−25 20.4	1.794	2.682	12.6	21.5
5 21	17 34.64	−25 18.5	1.708	2.663	9.0	21.2
5 31	17 25.50	−25 11.7	1.645	2.644	4.8	20.9
6 10	17 14.95	−24 59.4	1.609	2.624	0.8	20.6
6 20	17 4.10	−24 41.8	1.601	2.604	4.5	20.8
6 30	16 54.21	−24 20.9	1.618	2.583	9.0	21.0
7 10	16 46.36	−23 59.8	1.660	2.562	13.1	21.2
7 20	16 41.20	−23 41.5	1.722	2.540	16.6	21.4
94924 2001 YF_{64}			6 10.3 259°.18	0°.4/10.3 18		
5 11	17 42.38	−23 9.0	1.469	2.366	14.3	19.2
5 21	17 35.64	−23 27.4	1.393	2.352	10.2	18.9
5 31	17 26.16	−23 44.6	1.339	2.339	5.4	18.6
6 10	17 14.97	−23 58.8	1.310	2.325	0.5	18.2
6 20	17 3.42	−24 8.9	1.307	2.311	5.2	18.5
6 30	16 53.03	−24 15.7	1.329	2.297	10.2	18.8
7 10	16 45.05	−24 21.4	1.373	2.282	14.8	19.0
7 20	16 40.26	−24 28.4	1.437	2.267	18.7	19.2
500823 2013 GY_{115}			6 10.3 36°.22	1°.0/10.4 17		
5 11	17 40.73	−24 0.7	1.051	1.966	17.2	21.2
5 21	17 34.72	−24 25.8	1.009	1.976	12.1	20.9
5 31	17 25.64	−24 47.9	0.986	1.988	6.4	20.7
6 10	17 14.95	−25 4.6	0.985	2.000	1.1	20.3
6 20	17 4.40	−25 15.0	1.008	2.013	5.9	20.7
6 30	16 55.71	−25 20.7	1.052	2.027	11.3	21.0
7 10	16 50.09	−25 24.6	1.117	2.042	16.1	21.4
7 20	16 48.08	−25 29.3	1.199	2.056	20.0	21.7
411850 2012 DP_{74}			6 10.3 145°.17	2°.2/10.5 17		
5 11	17 43.25	−27 29.3	1.711	2.597	13.2	21.1
5 21	17 35.80	−27 57.9	1.651	2.604	9.4	20.9
5 31	17 26.03	−28 20.9	1.614	2.610	5.3	20.7
6 10	17 14.98	−28 35.8	1.604	2.616	2.2	20.5
6 20	17 3.91	−28 41.7	1.620	2.622	4.9	20.7
6 30	16 54.08	−28 39.8	1.664	2.627	8.9	20.9
7 10	16 46.51	−28 33.4	1.730	2.631	12.7	21.1
7 20	16 41.78	−28 25.5	1.818	2.636	15.8	21.4

502088 2015 AD_{240} 6 10.3 110°.32 5°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.65	−10 35.9	1.775	2.658	13.0	21.7
5 21	17 32.23	− 9 57.5	1.723	2.669	9.7	21.5
5 31	17 24.02	− 9 27.4	1.695	2.679	6.6	21.4
6 10	17 14.93	− 9 8.1	1.693	2.690	5.2	21.3
6 20	17 5.93	− 9 1.2	1.717	2.699	6.9	21.4
6 30	16 58.00	− 9 7.2	1.766	2.709	10.0	21.6
7 10	16 51.90	− 9 25.2	1.839	2.719	13.1	21.9
7 20	16 48.10	− 9 53.5	1.931	2.728	15.8	22.1

368436 2002 VA_{76} 6 10.3 282°.18 1°.9/ 9.9 18

5 11	17 39.89	−19 20.3	1.588	2.484	13.5	21.3
5 21	17 33.74	−19 2.9	1.501	2.460	9.6	21.0
5 31	17 25.14	−18 45.7	1.437	2.436	5.3	20.7
6 10	17 14.97	−18 29.5	1.398	2.412	1.9	20.4
6 20	17 4.41	−18 15.7	1.386	2.387	5.5	20.5
6 30	16 54.79	−18 6.3	1.398	2.362	10.2	20.7
7 10	16 47.25	−18 3.0	1.433	2.337	14.6	20.9
7 20	16 42.56	−18 7.3	1.487	2.312	18.4	21.1

497439 2005 YK_{7} 6 10.3 188°.75 2°.3/10.9 17

5 11	17 42.01	−31 28.9	2.307	3.176	10.9	22.1
5 21	17 34.48	−31 15.8	2.232	3.176	7.9	21.9
5 31	17 25.18	−30 53.5	2.183	3.174	4.7	21.7
6 10	17 14.96	−30 21.4	2.163	3.172	2.3	21.5
6 20	17 4.78	−29 40.4	2.170	3.169	4.1	21.7
6 30	16 55.60	−28 53.5	2.207	3.166	7.3	21.9
7 10	16 48.20	−28 4.3	2.269	3.162	10.4	22.0
7 20	16 43.06	−27 16.7	2.354	3.157	13.1	22.2

438825 2009 AD_{27} 6 10.3 50°.47 16°.4/13.9 17

5 11	17 46.78	+11 50.3	1.040	1.871	23.8	20.9
5 21	17 38.96	+11 38.8	0.989	1.872	20.9	20.7
5 31	17 27.93	+10 40.5	0.952	1.874	18.2	20.5
6 10	17 15.05	+ 8 49.6	0.935	1.875	16.6	20.4
6 20	17 2.06	+ 6 8.9	0.938	1.877	16.8	20.4
6 30	16 50.79	+ 2 49.4	0.962	1.879	18.8	20.5
7 10	16 42.61	− 0 52.3	1.007	1.881	21.8	20.7
7 20	16 38.21	− 4 39.8	1.070	1.883	24.8	21.0

508351 2016 CD_{279} 6 10.3 220°.91 2°.6/10.5 17

5 11	17 43.15	−27 56.9	1.645	2.532	13.6	21.4
5 21	17 35.98	−28 33.5	1.574	2.527	9.8	21.1
5 31	17 26.26	−29 4.7	1.527	2.522	5.6	20.9
6 10	17 15.00	−29 27.4	1.505	2.517	2.6	20.7
6 20	17 3.51	−29 39.7	1.510	2.511	5.3	20.8
6 30	16 53.20	−29 42.7	1.541	2.505	9.5	21.1
7 10	16 45.22	−29 39.3	1.596	2.498	13.5	21.3
7 20	16 40.26	−29 33.3	1.670	2.491	16.9	21.5

213922 2003 UT_{201} 6 10.3 309°.21 0°.8/10.3 17

5 11	17 39.48	−23 47.0	1.252	2.159	15.5	19.7
5 21	17 34.03	−24 8.7	1.174	2.138	11.1	19.4
5 31	17 25.51	−24 29.2	1.116	2.118	5.9	19.0
6 10	17 14.98	−24 46.3	1.082	2.097	0.9	18.6
6 20	17 3.92	−24 58.6	1.072	2.078	5.7	18.9
6 30	16 54.05	−25 6.7	1.085	2.058	11.3	19.1
7 10	16 46.84	−25 13.0	1.119	2.039	16.4	19.4
7 20	16 43.20	−25 20.3	1.170	2.021	20.8	19.6

306950 2001 UB_{167} 6 10.3 199°.06 1°.8/ 9.8 17

5 11	17 39.76	−19 0.2	2.314	3.194	10.4	22.2
5 21	17 32.83	−18 27.1	2.238	3.190	7.4	22.0
5 31	17 24.31	−17 53.6	2.189	3.186	4.1	21.8
6 10	17 14.95	−17 20.8	2.168	3.180	1.8	21.6
6 20	17 5.55	−16 50.4	2.176	3.174	4.2	21.8
6 30	16 56.98	−16 24.5	2.213	3.167	7.6	22.0
7 10	16 49.93	−16 4.5	2.274	3.159	10.7	22.2
7 20	16 44.89	−15 51.5	2.358	3.150	13.4	22.3

387878 2004 RB_{347} 6 10.3 264°.98 6°.1/11.4 18

5 11	17 44.67	−39 57.0	2.081	2.932	12.7	22.2
5 21	17 37.02	−40 21.9	1.987	2.907	10.1	22.0
5 31	17 26.82	−40 32.2	1.916	2.882	7.5	21.8
6 10	17 15.03	−40 23.9	1.871	2.856	6.1	21.6
6 20	17 2.90	−39 55.4	1.853	2.830	7.0	21.6
6 30	16 51.83	−39 8.8	1.861	2.803	9.6	21.7
7 10	16 42.97	−38 9.5	1.893	2.776	12.6	21.9
7 20	16 37.04	−37 3.8	1.947	2.748	15.5	22.0

26041 4172 $T\text{-}_{1}$ 6 10.3 11°.80 1°.2/10.1 18

5 11	17 37.86	−20 41.4	1.178	2.090	15.8	18.3
5 21	17 32.53	−20 36.3	1.125	2.092	11.2	18.1
5 31	17 24.49	−20 31.7	1.093	2.095	5.9	17.8
6 10	17 14.96	−20 28.0	1.084	2.098	1.2	17.5
6 20	17 5.43	−20 25.7	1.098	2.103	5.7	17.8
6 30	16 57.42	−20 26.6	1.135	2.108	10.9	18.1
7 10	16 52.05	−20 32.1	1.193	2.114	15.5	18.4
7 20	16 49.92	−20 43.1	1.268	2.121	19.4	18.6

475143 2005 US_{350} 6 10.3 205°.37 3°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.80	−35 22.1	2.963	3.820	9.1	22.2
5 21	17 32.11	−35 39.0	2.884	3.814	6.9	22.0
5 31	17 23.95	−35 47.5	2.831	3.809	4.7	21.9
6 10	17 14.97	−35 46.1	2.806	3.803	3.4	21.8
6 20	17 5.92	−35 34.6	2.809	3.796	4.3	21.8
6 30	16 57.58	−35 14.2	2.841	3.789	6.4	22.0
7 10	16 50.62	−34 47.3	2.899	3.782	8.7	22.1
7 20	16 45.50	−34 16.9	2.980	3.774	10.9	22.2

50361 2000 CE_{76} 6 10.3 107°.39 4°.5/ 9.7 18

5 11	17 39.38	−12 31.0	1.603	2.492	13.7	19.0
5 21	17 32.96	−12 7.5	1.547	2.499	10.1	18.8
5 31	17 24.50	−11 51.6	1.515	2.505	6.4	18.6
6 10	17 14.99	−11 45.2	1.508	2.512	4.5	18.5
6 20	17 5.51	−11 49.4	1.527	2.518	6.6	18.6
6 30	16 57.18	−12 4.5	1.571	2.524	10.2	18.8
7 10	16 50.89	−12 29.6	1.638	2.530	13.7	19.1
7 20	16 47.13	−13 3.3	1.724	2.536	16.8	19.3

239272 2007 JC_{45} 6 10.3 59°.01 3°.1/10.1 17

5 11	17 41.48	−15 57.6	1.202	2.106	16.2	20.1
5 21	17 34.99	−16 3.6	1.150	2.112	11.6	19.8
5 31	17 25.75	−16 16.6	1.120	2.118	6.6	19.6
6 10	17 15.02	−16 36.6	1.113	2.125	3.1	19.4
6 20	17 4.29	−17 3.0	1.130	2.131	6.4	19.6
6 30	16 55.09	−17 35.1	1.170	2.138	11.3	19.9
7 10	16 48.58	−18 12.3	1.232	2.145	15.8	20.2
7 20	16 45.35	−18 53.7	1.311	2.151	19.6	20.4

63427 2001 MB 6 10.3 273°.62 1°.1/10.2 18

5 11	17 40.12	−20 19.1	1.684	2.578	13.0	19.4
5 21	17 33.80	−20 19.1	1.600	2.558	9.2	19.2
5 31	17 25.14	−20 19.5	1.539	2.538	4.9	18.9
6 10	17 15.01	−20 20.2	1.504	2.518	1.1	18.6
6 20	17 4.55	−20 21.5	1.495	2.498	4.9	18.8
6 30	16 55.00	−20 24.4	1.512	2.477	9.5	19.0
7 10	16 47.46	−20 30.4	1.553	2.456	13.7	19.2
7 20	16 42.64	−20 40.6	1.613	2.435	17.3	19.4

155719 2000 QD_{214} 6 10.3 251°.80 2°.6/10.7 17

5 11	17 41.27	−29 35.0	1.930	2.811	12.2	20.7
5 21	17 34.46	−29 54.8	1.848	2.797	8.8	20.5
5 31	17 25.42	−30 7.8	1.790	2.783	5.2	20.2
6 10	17 15.02	−30 11.7	1.759	2.769	2.6	20.0
6 20	17 4.39	−30 5.8	1.755	2.754	4.8	20.1
6 30	16 54.71	−29 51.6	1.777	2.739	8.6	20.3
7 10	16 47.01	−29 32.1	1.824	2.724	12.2	20.5
7 20	16 41.94	−29 11.1	1.892	2.708	15.4	20.7

478058 2011 TJ_{10} 6 10.3 267°.11 5°.3/ 8.9 16

5 11	17 35.49	− 8 56.9	2.110	2.987	11.4	21.6
5 21	17 29.93	− 8 11.5	2.044	2.984	8.7	21.4
5 31	17 22.85	− 7 33.8	2.004	2.981	6.3	21.3
6 10	17 14.94	− 7 6.6	1.989	2.978	5.4	21.2
6 20	17 7.01	− 6 51.6	2.000	2.975	6.8	21.3
6 30	16 59.87	− 6 50.0	2.038	2.972	9.4	21.4
7 10	16 54.21	− 7 1.2	2.099	2.969	12.1	21.6
7 20	16 50.48	− 7 23.7	2.180	2.966	14.6	21.8

286069 2001 SS_{319} 6 10.3 285°.49 4°.8/ 9.1 17

5 11	17 35.77	−10 52.6	2.021	2.904	11.6	20.6
5 21	17 30.26	−10 14.8	1.947	2.893	8.7	20.3
5 31	17 23.08	− 9 43.5	1.897	2.881	6.0	20.2
6 10	17 14.96	− 9 21.0	1.873	2.869	4.8	20.1
6 20	17 6.72	− 9 9.5	1.875	2.858	6.4	20.1
6 30	16 59.26	− 9 9.8	1.903	2.846	9.4	20.3
7 10	16 53.34	− 9 21.9	1.955	2.835	12.4	20.5
7 20	16 49.46	− 9 44.6	2.027	2.823	15.2	20.6

162078 1997 WS_{24} 6 10.3 228°.24 1°.9/ 9.9 17

5 11	17 41.34	−20 16.6	1.543	2.439	13.8	20.3
5 21	17 34.59	−19 43.3	1.474	2.433	9.8	20.0
5 31	17 25.48	−19 8.4	1.427	2.426	5.3	19.7
6 10	17 15.03	−18 33.6	1.406	2.419	1.9	19.5
6 20	17 4.49	−18 1.1	1.411	2.412	5.4	19.7
6 30	16 55.16	−17 33.9	1.441	2.404	10.1	19.9
7 10	16 48.07	−17 14.6	1.495	2.396	14.3	20.2
7 20	16 43.82	−17 4.5	1.567	2.388	17.8	20.4

447259 2005 UM_{320} 6 10.3 308°.80 3°.3/ 9.4 16

5 11	17 35.24	−15 31.0	1.964	2.855	11.5	21.4
5 21	17 30.00	−14 54.1	1.882	2.837	8.3	21.2
5 31	17 22.99	−14 19.6	1.825	2.819	5.1	21.0
6 10	17 14.96	−13 49.8	1.794	2.801	3.3	20.8
6 20	17 6.76	−13 26.6	1.790	2.783	5.5	20.9
6 30	16 59.35	−13 12.1	1.811	2.766	9.0	21.1
7 10	16 53.52	−13 7.0	1.856	2.749	12.4	21.3
7 20	16 49.82	−13 11.6	1.922	2.732	15.4	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
467945 2012 DM_{51}			6 10.3 132°.59	0°.7/10.2 17		
	h m	° ′			°	m
5 11	17 42.04	−21 17.8	1.682	2.573	13.1	22.2
5 21	17 34.81	−21 15.6	1.626	2.583	9.2	22.0
5 31	17 25.47	−21 12.4	1.593	2.593	4.8	21.8
6 10	17 15.03	−21 8.3	1.587	2.602	0.7	21.5
6 20	17 4.66	−21 3.8	1.608	2.611	4.6	21.8
6 30	16 55.52	−21 0.1	1.655	2.619	8.9	22.1
7 10	16 48.53	−20 59.0	1.726	2.627	12.7	22.3
7 20	16 44.18	−21 1.8	1.817	2.634	15.9	22.6
15036 Giovannianselmi			6 10.3 161°.62	3°.3/10.9 18		
5 11	17 42.89	−31 50.4	1.786	2.665	13.1	18.4
5 21	17 35.54	−32 1.4	1.722	2.669	9.6	18.1
5 31	17 25.91	−32 2.2	1.682	2.672	5.9	17.9
6 10	17 15.05	−31 50.9	1.667	2.675	3.3	17.8
6 20	17 4.20	−31 27.5	1.679	2.677	5.2	17.9
6 30	16 54.63	−30 54.9	1.718	2.679	8.8	18.1
7 10	16 47.32	−30 17.6	1.781	2.681	12.4	18.3
7 20	16 42.81	−29 39.9	1.864	2.682	15.5	18.5
504713 2009 SH_{258}			6 10.3 261°.94	1°.8/ 9.9 17		
5 11	17 39.93	−18 47.6	1.810	2.700	12.4	22.7
5 21	17 33.50	−18 35.4	1.725	2.682	8.8	22.4
5 31	17 24.92	−18 24.2	1.664	2.662	4.9	22.1
6 10	17 15.03	−18 14.5	1.630	2.643	1.8	21.9
6 20	17 4.85	−18 7.3	1.622	2.623	4.9	22.1
6 30	16 55.55	−18 4.0	1.641	2.602	9.2	22.3
7 10	16 48.11	−18 5.8	1.684	2.581	13.1	22.5
7 20	16 43.18	−18 13.7	1.746	2.560	16.5	22.6
413426 2004 XT_{49}			6 10.3 261°.71	0°.7/10.1 17		
5 11	17 42.17	−23 19.2	1.534	2.429	13.9	21.1
5 21	17 35.39	−22 45.5	1.452	2.411	9.9	20.8
5 31	17 26.03	−22 6.1	1.392	2.392	5.2	20.4
6 10	17 15.09	−21 22.0	1.358	2.373	0.7	20.1
6 20	17 3.89	−20 35.6	1.351	2.354	5.2	20.3
6 30	16 53.84	−19 51.0	1.368	2.334	10.2	20.6
7 10	16 46.10	−19 12.3	1.409	2.313	14.8	20.8
7 20	16 41.36	−18 42.5	1.469	2.293	18.7	21.0
521377 2015 MK_{141}			6 10.3 357°.58	5°.6/ 9.3 16		
5 11	17 34.96	− 7 2.5	2.168	3.041	11.4	21.0
5 21	17 29.54	− 6 34.1	2.105	3.040	8.8	20.8
5 31	17 22.66	− 6 15.3	2.067	3.040	6.5	20.7
6 10	17 15.00	− 6 8.3	2.054	3.040	5.6	20.6
6 20	17 7.31	− 6 14.2	2.068	3.040	6.8	20.7
6 30	17 0.38	− 6 33.0	2.107	3.040	9.2	20.8
7 10	16 54.88	− 7 3.4	2.170	3.040	11.8	21.0
7 20	16 51.23	− 7 43.6	2.254	3.040	14.1	21.2
178590 1999 YO_{23}			6 10.3 158°.96	1°.2/10.1 17		
5 11	17 41.45	−20 24.2	1.890	2.777	12.1	21.7
5 21	17 34.26	−20 11.4	1.828	2.784	8.5	21.5
5 31	17 25.17	−19 58.2	1.791	2.790	4.5	21.3
6 10	17 15.07	−19 44.8	1.781	2.795	1.2	21.1
6 20	17 5.01	−19 32.4	1.798	2.800	4.4	21.3
6 30	16 56.03	−19 22.3	1.843	2.804	8.4	21.5
7 10	16 48.95	−19 16.2	1.912	2.807	11.9	21.8
7 20	16 44.28	−19 15.2	2.002	2.810	14.9	22.0
365439 2010 LQ_{127}			6 10.3 312°.77	8°.2/ 8.9 17		
5 11	17 36.74	− 8 14.8	1.191	2.092	16.7	20.9
5 21	17 32.00	− 7 23.9	1.114	2.066	13.0	20.6
5 31	17 24.45	− 6 45.6	1.057	2.040	9.6	20.3
6 10	17 15.06	− 6 25.5	1.021	2.015	8.3	20.1
6 20	17 5.16	− 6 28.1	1.007	1.990	10.4	20.2
6 30	16 56.30	− 6 54.8	1.014	1.966	14.5	20.3
7 10	16 49.85	− 7 43.7	1.041	1.943	19.0	20.5
7 20	16 46.67	− 8 50.7	1.083	1.921	23.0	20.7
511982 2015 KO_{82}			6 10.3 226°.99	1°.7/10.4 18		
5 11	17 41.48	−15 15.8	2.228	3.104	11.0	20.9
5 21	17 34.27	−15 59.8	2.147	3.096	7.8	20.7
5 31	17 25.23	−16 49.9	2.093	3.088	4.4	20.4
6 10	17 15.08	−17 44.7	2.067	3.079	1.7	20.2
6 20	17 4.69	−18 42.2	2.071	3.071	4.2	20.4
6 30	16 55.00	−19 40.7	2.104	3.061	7.7	20.6
7 10	16 46.85	−20 39.2	2.163	3.052	11.0	20.8
7 20	16 40.82	−21 36.8	2.246	3.042	13.9	21.0
241745 2000 YX_{71}			6 10.3 220°.71	1°.1/10.1 18		
5 11	17 36.48	−18 52.6	2.668	3.549	9.2	20.9
5 21	17 30.50	−18 57.3	2.589	3.542	6.5	20.7
5 31	17 23.15	−19 3.2	2.537	3.534	3.5	20.5
6 10	17 15.03	−19 10.2	2.513	3.526	1.1	20.3
6 20	17 6.80	−19 18.4	2.518	3.518	3.4	20.5
6 30	16 59.20	−19 28.3	2.551	3.510	6.5	20.7
7 10	16 52.84	−19 40.1	2.611	3.501	9.3	20.8
7 20	16 48.17	−19 54.4	2.693	3.492	11.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
213715 2002 VY_{13}			6 10.3 293°.50	4°.7/ 9.1 18		
	h m	° ′			°	m
5 11	17 53.10	−22 18.2	1.001	1.902	19.0	19.0
5 21	17 44.86	−25 19.2	0.935	1.895	13.8	18.6
5 31	17 31.89	−28 35.7	0.890	1.888	8.0	18.3
6 10	17 15.32	−31 50.6	0.871	1.881	4.8	18.1
6 20	16 57.28	−34 44.8	0.878	1.874	9.1	18.3
6 30	16 40.63	−37 6.2	0.910	1.867	15.1	18.6
7 10	16 27.87	−38 54.0	0.962	1.861	20.4	18.9
7 20	16 20.42	−40 15.3	1.030	1.855	24.8	19.2
85627 1998 HP_{151}			6 10.3 321°.91	0°.0/10.4 07 C		
5 11	17 17.30	−23 41.8	40.362	41.242	0.7	23.6
5 21	17 16.52	−23 41.2	40.287	41.240	0.5	23.6
5 31	17 15.68	−23 40.4	40.240	41.239	0.2	23.6
6 10	17 14.81	−23 39.5	40.222	41.237	0.0	23.5
6 20	17 13.93	−23 38.6	40.232	41.235	0.2	23.6
6 30	17 13.09	−23 37.7	40.272	41.233	0.5	23.6
7 10	17 12.31	−23 36.8	40.338	41.232	0.7	23.6
7 20	17 11.61	−23 36.0	40.430	41.230	0.9	23.7
440946 2007 AW_{6}			6 10.3 145°.93	6°.8/13.4 18		
5 11	17 45.28	−47 50.6	2.623	3.430	11.6	21.1
5 21	17 36.79	−47 49.2	2.555	3.435	9.7	21.0
5 31	17 26.39	−47 29.5	2.511	3.440	7.9	20.8
6 10	17 15.12	−46 49.5	2.492	3.445	6.8	20.8
6 20	17 4.12	−45 49.8	2.500	3.450	7.1	20.8
6 30	16 54.45	−44 33.9	2.536	3.455	8.4	20.9
7 10	16 46.90	−43 7.2	2.597	3.459	10.3	21.0
7 20	16 41.89	−41 36.0	2.681	3.463	12.2	21.2
253821 2003 YG_{55}			6 10.3 119°.36	0°.6/10.2 17		
5 11	17 42.02	−21 16.2	1.644	2.536	13.3	20.8
5 21	17 34.86	−21 20.1	1.589	2.547	9.3	20.6
5 31	17 25.54	−21 23.5	1.558	2.558	4.9	20.3
6 10	17 15.11	−21 25.9	1.553	2.568	0.6	20.0
6 20	17 4.75	−21 27.4	1.575	2.579	4.6	20.3
6 30	16 55.65	−21 29.3	1.624	2.589	9.0	20.6
7 10	16 48.72	−21 33.0	1.695	2.598	12.8	20.9
7 20	16 44.49	−21 39.8	1.787	2.607	16.0	21.1
269082 2007 HG_{13}			6 10.3 49°.86	3°.3/ 9.9 17		
5 11	17 38.68	−15 30.5	1.456	2.355	14.3	20.2
5 21	17 32.57	−15 16.9	1.411	2.370	10.2	20.0
5 31	17 24.34	−15 8.9	1.389	2.385	5.9	19.8
6 10	17 15.07	−15 7.6	1.391	2.401	3.3	19.6
6 20	17 5.95	−15 13.8	1.419	2.417	5.9	19.8
6 30	16 58.15	−15 27.6	1.471	2.433	9.9	20.1
7 10	16 52.55	−15 48.8	1.546	2.450	13.7	20.4
7 20	16 49.60	−16 16.4	1.639	2.467	16.9	20.6
505598 2014 DP_{47}			6 10.3 103°.92	0°.4/10.2 17		
5 11	17 38.31	−22 13.0	2.330	3.214	10.3	21.9
5 21	17 31.75	−22 5.7	2.278	3.232	7.1	21.8
5 31	17 23.75	−21 56.8	2.251	3.250	3.7	21.6
6 10	17 15.06	−21 46.6	2.253	3.268	0.4	21.3
6 20	17 6.49	−21 35.8	2.283	3.285	3.5	21.6
6 30	16 58.82	−21 25.5	2.341	3.302	6.8	21.9
7 10	16 52.69	−21 17.2	2.424	3.319	9.8	22.1
7 20	16 48.49	−21 12.0	2.530	3.336	12.2	22.3
140053 2001 SU_{95}			6 10.3 296°.40	0°.3/10.4 18		
5 11	17 37.53	−24 7.3	1.946	2.838	11.6	20.6
5 21	17 31.68	−24 3.2	1.871	2.828	8.2	20.4
5 31	17 23.92	−23 56.0	1.819	2.819	4.3	20.1
6 10	17 15.07	−23 45.5	1.794	2.810	0.3	19.8
6 20	17 6.10	−23 32.1	1.797	2.800	4.0	20.1
6 30	16 58.04	−23 17.6	1.825	2.791	8.0	20.3
7 10	16 51.75	−23 4.1	1.878	2.783	11.7	20.5
7 20	16 47.77	−22 53.6	1.952	2.774	14.8	20.7
10709 Ottofranz			6 10.3 186°.49	2°.6/ 9.9 18		
5 11	17 39.52	−15 38.6	2.152	3.033	11.1	18.2
5 21	17 32.79	−15 28.5	2.082	3.033	7.9	18.0
5 31	17 24.40	−15 21.7	2.038	3.032	4.6	17.8
6 10	17 15.09	−15 19.0	2.022	3.031	2.6	17.6
6 20	17 5.73	−15 21.1	2.033	3.029	4.7	17.8
6 30	16 57.21	−15 28.5	2.073	3.026	8.0	18.0
7 10	16 50.28	−15 41.5	2.137	3.023	11.2	18.1
7 20	16 45.43	−16 0.0	2.222	3.020	14.0	18.3
117688 2005 EX_{268}			6 10.3 345°.85	0°.7/10.4 17		
5 11	17 38.38	−24 47.7	1.895	2.786	11.9	20.2
5 21	17 32.27	−24 56.3	1.828	2.785	8.4	20.0
5 31	17 24.22	−25 1.6	1.785	2.785	4.4	19.8
6 10	17 15.09	−25 2.9	1.769	2.784	0.8	19.5
6 20	17 5.90	−25 0.2	1.780	2.783	4.1	19.7
6 30	16 57.70	−24 54.7	1.817	2.783	8.1	20.0
7 10	16 51.35	−24 48.5	1.878	2.782	11.6	20.2
7 20	16 47.39	−24 43.5	1.960	2.782	14.7	20.4

257470 1994 RE_8 6 10.3 272°.18 4°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.96	−37 31.6	2.258	3.118	11.5	20.5
5 21	17 33.39	−37 57.2	2.182	3.110	8.9	20.4
5 31	17 24.83	−38 11.2	2.130	3.103	6.4	20.2
6 10	17 15.13	−38 11.0	2.104	3.095	4.9	20.1
6 20	17 5.31	−37 55.9	2.105	3.087	5.8	20.1
6 30	16 56.45	−37 27.7	2.132	3.080	8.3	20.3
7 10	16 49.45	−36 50.2	2.184	3.072	11.0	20.4
7 20	16 44.88	−36 7.8	2.257	3.064	13.5	20.6

127982 2003 HY_{41} 6 10.3 71°.40 5°.5/10.5 18

5 11	17 44.29	−33 58.3	1.630	2.508	14.2	19.2
5 21	17 36.89	−35 9.3	1.577	2.518	10.7	19.0
5 31	17 26.81	−36 9.5	1.546	2.528	7.3	18.8
6 10	17 15.19	−36 53.6	1.541	2.539	5.5	18.7
6 20	17 3.47	−37 18.9	1.562	2.549	7.0	18.8
6 30	16 53.14	−37 26.3	1.608	2.559	10.2	19.0
7 10	16 45.37	−37 20.3	1.677	2.570	13.5	19.3
7 20	16 40.80	−37 6.2	1.765	2.580	16.4	19.5

375903 2009 VQ_{96} 6 10.3 280°.55 0°.8/10.2 17

5 11	17 39.50	−21 16.2	1.677	2.572	12.9	21.1
5 21	17 33.39	−21 10.6	1.595	2.554	9.2	20.9
5 31	17 24.97	−21 4.3	1.536	2.536	4.9	20.6
6 10	17 15.14	−20 57.1	1.502	2.517	0.8	20.2
6 20	17 5.02	−20 49.7	1.495	2.499	4.8	20.5
6 30	16 55.85	−20 43.6	1.514	2.480	9.4	20.7
7 10	16 48.69	−20 40.6	1.556	2.461	13.6	20.9
7 20	16 44.23	−20 42.4	1.617	2.443	17.2	21.1

192699 1999 TL_{60} 6 10.3 158°.39 0°.8/10.5 17

5 11	17 39.88	−25 33.0	2.037	2.922	11.4	20.8
5 21	17 33.18	−25 32.1	1.972	2.926	8.1	20.6
5 31	17 24.64	−25 26.9	1.932	2.930	4.3	20.3
6 10	17 15.13	−25 17.0	1.918	2.933	0.8	20.1
6 20	17 5.63	−25 2.9	1.933	2.936	3.9	20.3
6 30	16 57.12	−24 46.2	1.974	2.938	7.7	20.6
7 10	16 50.42	−24 29.4	2.041	2.941	11.1	20.8
7 20	16 46.01	−24 14.6	2.129	2.943	14.0	21.0

201580 2003 SC_{80} 6 10.3 241°.90 0°.6/10.2 18

5 11	17 38.68	−22 20.9	2.044	2.932	11.3	21.0
5 21	17 32.39	−22 3.9	1.967	2.923	7.9	20.8
5 31	17 24.27	−21 44.4	1.914	2.913	4.2	20.5
6 10	17 15.13	−21 23.1	1.889	2.904	0.6	20.2
6 20	17 5.88	−21 1.0	1.891	2.894	4.1	20.5
6 30	16 57.52	−20 40.0	1.921	2.884	7.9	20.7
7 10	16 50.86	−20 22.2	1.975	2.873	11.5	20.9
7 20	16 46.42	−20 9.3	2.050	2.863	14.5	21.1

17714 1997 WR_{38} 6 10.3 318°.10 2°.3/10.7 18

5 11	17 38.99	−28 23.9	1.142	2.052	16.5	17.7
5 21	17 33.92	−28 19.9	1.068	2.033	12.0	17.4
5 31	17 25.57	−28 5.5	1.014	2.014	6.8	17.1
6 10	17 15.17	−27 39.1	0.982	1.996	2.4	16.7
6 20	17 4.37	−27 1.2	0.973	1.978	6.1	16.9
6 30	16 55.03	−26 16.3	0.986	1.962	11.8	17.1
7 10	16 48.66	−25 30.7	1.019	1.946	17.0	17.4
7 20	16 46.07	−24 49.8	1.068	1.931	21.5	17.6

3868 Mendoza 6 10.3 272°.89 6°.1/ 9.2 18

5 11	17 39.00	−10 32.7	1.488	2.378	14.5	16.2
5 21	17 33.03	− 9 48.0	1.418	2.368	11.0	15.9
5 31	17 24.76	− 9 12.1	1.371	2.357	7.6	15.7
6 10	17 15.15	− 8 48.5	1.348	2.346	6.1	15.6
6 20	17 5.36	− 8 40.0	1.350	2.334	8.1	15.7
6 30	16 56.63	− 8 47.8	1.376	2.323	11.8	15.8
7 10	16 50.01	− 9 11.2	1.423	2.312	15.6	16.0
7 20	16 46.13	− 9 47.9	1.488	2.301	19.0	16.2

429983 2013 OA_5 6 10.3 276°.22 0°.3/10.3 17

5 11	17 41.08	−22 15.9	1.569	2.464	13.6	21.6
5 21	17 34.71	−22 19.7	1.484	2.443	9.7	21.3
5 31	17 25.77	−22 22.3	1.422	2.423	5.1	21.0
6 10	17 15.19	−22 23.0	1.386	2.401	0.3	20.6
6 20	17 4.20	−22 21.6	1.376	2.380	5.0	20.9
6 30	16 54.21	−22 19.5	1.391	2.358	9.9	21.1
7 10	16 46.41	−22 18.8	1.429	2.336	14.4	21.3
7 20	16 41.58	−22 21.5	1.486	2.314	18.3	21.5

255663 2006 QO_{32} 6 10.3 284°.69 3°.4/10.9 17

5 11	17 42.05	−31 13.3	1.471	2.361	14.7	20.4
5 21	17 35.59	−31 19.2	1.392	2.345	10.8	20.1
5 31	17 26.27	−31 13.9	1.335	2.329	6.6	19.9
6 10	17 15.21	−30 54.7	1.303	2.312	3.5	19.6
6 20	17 3.85	−30 21.7	1.295	2.296	5.9	19.7
6 30	16 53.80	−29 38.2	1.313	2.280	10.4	19.9
7 10	16 46.33	−28 50.0	1.352	2.264	14.8	20.2
7 20	16 42.18	−28 2.8	1.410	2.247	18.6	20.4

30912 1993 FP_{76} 6 10.3 354°.26 0°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 36.73	−21 24.8	1.994	2.886	11.3	19.2
5 21	17 31.00	−21 13.9	1.927	2.885	7.9	19.0
5 31	17 23.53	−21 1.9	1.885	2.884	4.2	18.8
6 10	17 15.12	−20 49.4	1.869	2.884	0.8	18.5
6 20	17 6.68	−20 37.2	1.880	2.883	4.0	18.7
6 30	16 59.15	−20 26.7	1.918	2.883	7.8	19.0
7 10	16 53.30	−20 19.4	1.981	2.883	11.3	19.2
7 20	16 49.62	−20 16.5	2.064	2.883	14.2	19.4

498991 2009 BH_{174} 6 10.3 155°.41 16°.3/15.8 18

5 11	18 1.53	−56 11.6	1.146	1.957	23.2	21.3
5 21	17 51.14	−57 3.4	1.093	1.959	20.6	21.1
5 31	17 34.85	−57 13.7	1.055	1.962	18.2	20.9
6 10	17 15.47	−56 29.5	1.036	1.964	16.6	20.8
6 20	16 56.81	−54 48.2	1.035	1.966	16.4	20.8
6 30	16 42.27	−52 20.1	1.054	1.967	17.9	20.9
7 10	16 33.59	−49 24.8	1.093	1.968	20.3	21.1
7 20	16 30.83	−46 21.6	1.148	1.969	23.0	21.3

430304 2013 WO_{104} 6 10.3 141°.69 0°.4/10.3 17

5 11	17 39.95	−21 15.0	2.126	3.011	11.1	21.7
5 21	17 33.12	−21 25.1	2.065	3.019	7.7	21.5
5 31	17 24.59	−21 35.0	2.029	3.028	4.0	21.3
6 10	17 15.16	−21 43.9	2.020	3.035	0.4	21.0
6 20	17 5.73	−21 51.7	2.040	3.043	3.8	21.3
6 30	16 57.23	−21 59.2	2.088	3.050	7.5	21.6
7 10	16 50.41	−22 7.2	2.160	3.056	10.7	21.8
7 20	16 45.75	−22 16.9	2.255	3.063	13.5	22.0

18116 Prato 6 10.3 184°.67 2°.4/ 9.8 17

5 11	17 42.02	−17 53.4	1.788	2.675	12.7	19.3
5 21	17 34.79	−17 25.2	1.721	2.675	9.0	19.1
5 31	17 25.54	−16 58.0	1.679	2.675	5.1	18.9
6 10	17 15.19	−16 33.4	1.663	2.674	2.4	18.7
6 20	17 4.82	−16 13.1	1.675	2.673	5.2	18.9
6 30	16 55.54	−15 58.8	1.714	2.671	9.2	19.1
7 10	16 48.22	−15 51.9	1.776	2.668	12.9	19.3
7 20	16 43.42	−15 53.1	1.859	2.664	16.0	19.5

28422 1999 VA_{154} 6 10.3 89°.79 5°.4/ 9.4 18 R

5 11	17 37.41	− 9 12.0	1.872	2.752	12.5	18.5
5 21	17 31.38	− 8 37.7	1.820	2.762	9.5	18.3
5 31	17 23.67	− 8 12.6	1.791	2.771	6.6	18.2
6 10	17 15.13	− 7 59.1	1.788	2.781	5.4	18.1
6 20	17 6.66	− 7 58.4	1.811	2.790	6.9	18.2
6 30	16 59.16	− 8 10.8	1.859	2.799	9.7	18.4
7 10	16 53.36	− 8 35.1	1.931	2.809	12.7	18.6
7 20	16 49.70	− 9 9.3	2.023	2.818	15.2	18.8

201631 2003 SG_{271} 6 10.3 242°.31 0°.6/10.4 18

5 11	17 40.10	−23 34.7	2.181	3.064	10.9	20.2
5 21	17 33.44	−23 59.0	2.098	3.051	7.7	20.0
5 31	17 24.89	−24 22.0	2.040	3.038	4.1	19.7
6 10	17 15.19	−24 42.5	2.010	3.025	0.6	19.4
6 20	17 5.25	−24 59.5	2.008	3.010	3.8	19.7
6 30	16 56.06	−25 13.1	2.034	2.996	7.6	19.9
7 10	16 48.50	−25 24.6	2.085	2.981	11.0	20.1
7 20	16 43.15	−25 35.4	2.158	2.966	14.0	20.2

106052 2000 ST_{312} 6 10.3 184°.49 0°.1/10.4 18 R

5 11	17 37.61	−25 16.3	2.764	3.641	9.0	19.6
5 21	17 31.21	−24 46.0	2.690	3.641	6.3	19.4
5 31	17 23.50	−24 11.4	2.643	3.641	3.3	19.2
6 10	17 15.14	−23 33.3	2.625	3.640	0.2	19.0
6 20	17 6.82	−22 53.1	2.637	3.639	3.1	19.2
6 30	16 59.24	−22 12.8	2.677	3.638	6.1	19.4
7 10	16 52.97	−21 34.7	2.744	3.636	8.9	19.6
7 20	16 48.42	−21 0.6	2.835	3.633	11.2	19.8

472754 2015 FN_{112} 6 10.3 41°.79 4°.3/11.1 17

5 11	17 40.83	−33 9.5	1.585	2.470	14.1	20.5
5 21	17 34.33	−33 34.2	1.532	2.480	10.5	20.3
5 31	17 25.40	−33 47.3	1.501	2.490	6.7	20.1
6 10	17 15.21	−33 46.2	1.496	2.500	4.4	19.9
6 20	17 5.08	−33 30.6	1.515	2.511	6.0	20.1
6 30	16 56.39	−33 3.3	1.560	2.522	9.5	20.3
7 10	16 50.13	−32 29.4	1.627	2.534	13.0	20.5
7 20	16 46.83	−31 53.6	1.714	2.545	16.1	20.8

116508 2004 BO_{26} 6 10.3 47°.20 1°.1/10.2 17

5 11	17 40.03	−21 4.5	1.298	2.203	15.2	20.0
5 21	17 33.81	−20 55.1	1.252	2.215	10.7	19.8
5 31	17 25.13	−20 45.4	1.227	2.228	5.6	19.5
6 10	17 15.20	−20 35.7	1.226	2.241	1.1	19.3
6 20	17 5.43	−20 27.1	1.250	2.254	5.3	19.6
6 30	16 57.18	−20 21.4	1.298	2.268	10.2	19.9
7 10	16 51.45	−20 20.3	1.367	2.282	14.4	20.2
7 20	16 48.73	−20 24.9	1.456	2.296	18.0	20.5

98476 2000 UP_{98} 6 10.3 156°.81 4°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 44.58	−31 59.2	1.559	2.442	14.4	19.8
5 21	17 37.13	−32 36.0	1.497	2.445	10.7	19.6
5 31	17 26.97	−33 2.5	1.459	2.448	6.7	19.4
6 10	17 15.27	−33 15.0	1.445	2.451	4.2	19.2
6 20	17 3.48	−33 12.2	1.457	2.453	6.1	19.3
6 30	16 53.13	−32 56.2	1.495	2.455	10.0	19.6
7 10	16 45.36	−32 31.9	1.555	2.457	13.8	19.8
7 20	16 40.83	−32 4.5	1.635	2.458	17.1	20.0

284606 2007 TJ_{427} 6 10.3 304°.43 0°.7/10.3 18

5 11	17 38.38	−20 9.9	1.866	2.758	12.0	20.1
5 21	17 32.33	−20 25.6	1.796	2.754	8.4	19.9
5 31	17 24.33	−20 42.8	1.750	2.749	4.5	19.6
6 10	17 15.19	−21 0.6	1.730	2.745	0.8	19.3
6 20	17 5.91	−21 18.5	1.737	2.741	4.3	19.6
6 30	16 57.54	−21 36.7	1.771	2.736	8.3	19.8
7 10	16 50.98	−21 55.7	1.829	2.732	12.0	20.0
7 20	16 46.80	−22 16.2	1.907	2.728	15.1	20.2

168873 2000 WC_{14} 6 10.3 124°.18 0°.5/10.2 18

5 11	17 43.20	−23 14.7	1.681	2.570	13.2	20.6
5 21	17 35.60	−22 49.5	1.629	2.585	9.3	20.4
5 31	17 25.92	−22 20.7	1.600	2.599	4.8	20.2
6 10	17 15.24	−21 49.0	1.598	2.613	0.5	19.9
6 20	17 4.75	−21 16.5	1.623	2.626	4.5	20.2
6 30	16 55.60	−20 45.8	1.674	2.638	8.8	20.5
7 10	16 48.65	−20 20.0	1.750	2.650	12.6	20.8
7 20	16 44.36	−20 0.7	1.846	2.661	15.7	21.0

185232 2006 TX_{103} 6 10.3 13°.20 0°.4/10.4 17

5 11	17 39.94	−23 33.0	1.339	2.243	14.9	20.4
5 21	17 33.93	−23 43.6	1.281	2.244	10.5	20.2
5 31	17 25.31	−23 51.7	1.245	2.246	5.5	19.9
6 10	17 15.22	−23 56.4	1.233	2.248	0.5	19.5
6 20	17 5.08	−23 57.3	1.245	2.250	5.1	19.9
6 30	16 56.33	−23 56.1	1.282	2.253	10.1	20.2
7 10	16 50.11	−23 55.0	1.340	2.256	14.6	20.4
7 20	16 47.01	−23 56.4	1.417	2.260	18.2	20.7

349461 2008 CQ_{134} 6 10.3 152°.96 4°.1/ 9.4 18

5 11	17 35.90	− 8 42.4	2.795	3.660	9.4	21.7
5 21	17 29.94	− 8 21.3	2.734	3.668	7.1	21.5
5 31	17 22.83	− 8 7.0	2.700	3.676	5.0	21.4
6 10	17 15.14	− 8 0.5	2.693	3.683	4.1	21.4
6 20	17 7.47	− 8 2.8	2.715	3.690	5.2	21.4
6 30	17 0.44	− 8 13.8	2.765	3.697	7.3	21.6
7 10	16 54.57	− 8 33.1	2.839	3.702	9.5	21.7
7 20	16 50.22	− 8 59.7	2.937	3.708	11.5	21.9

249751 2000 SM_{306} 6 10.3 160°.22 0°.1/10.4 18

5 11	17 37.35	−24 37.4	2.439	3.321	9.9	20.1
5 21	17 31.17	−24 16.1	2.371	3.324	6.9	19.9
5 31	17 23.54	−23 51.0	2.329	3.327	3.6	19.7
6 10	17 15.16	−23 22.7	2.314	3.330	0.2	19.4
6 20	17 6.83	−22 52.6	2.329	3.332	3.4	19.7
6 30	16 59.31	−22 22.4	2.371	3.334	6.7	19.9
7 10	16 53.25	−21 54.3	2.440	3.336	9.7	20.1
7 20	16 49.07	−21 30.0	2.530	3.337	12.2	20.3

142392 2002 SO_{17} 6 10.3 305°.81 5°.1/ 9.3 17

5 11	17 37.94	−13 38.4	1.396	2.296	14.7	19.8
5 21	17 32.44	−12 50.6	1.326	2.283	10.9	19.5
5 31	17 24.53	−12 8.2	1.278	2.270	7.0	19.2
6 10	17 15.21	−11 34.9	1.254	2.258	5.1	19.1
6 20	17 5.68	−11 13.9	1.254	2.246	7.6	19.2
6 30	16 57.28	−11 7.3	1.278	2.234	11.7	19.4
7 10	16 51.10	−11 15.6	1.322	2.223	15.8	19.6
7 20	16 47.77	−11 37.4	1.385	2.211	19.4	19.8

305346 2008 AP_{134} 6 10.3 35°.12 1°.1/10.3 18

5 11	17 38.16	−18 20.9	1.939	2.829	11.7	20.2
5 21	17 32.06	−18 47.9	1.877	2.833	8.2	20.0
5 31	17 24.13	−19 18.2	1.839	2.838	4.4	19.8
6 10	17 15.20	−19 50.5	1.828	2.843	1.1	19.5
6 20	17 6.20	−20 23.8	1.845	2.848	4.2	19.8
6 30	16 58.11	−20 57.5	1.889	2.853	8.0	20.0
7 10	16 51.75	−21 31.5	1.957	2.858	11.4	20.2
7 20	16 47.63	−22 5.9	2.046	2.864	14.3	20.4

23996 1999 RT_{27} 6 10.3 178°.25 1°.7/10.1 17

5 11	17 41.51	−19 7.6	1.868	2.754	12.3	19.5
5 21	17 34.41	−18 54.5	1.802	2.756	8.7	19.3
5 31	17 25.36	−18 42.0	1.760	2.758	4.7	19.0
6 10	17 15.24	−18 30.7	1.745	2.758	1.7	18.8
6 20	17 5.10	−18 21.5	1.758	2.758	4.6	19.0
6 30	16 55.99	−18 15.8	1.798	2.758	8.6	19.3
7 10	16 48.78	−18 14.8	1.862	2.757	12.2	19.5
7 20	16 43.99	−18 19.3	1.947	2.755	15.3	19.7

417952 2007 TQ_{49} 6 10.3 223°.51 1°.1/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 43.36	−26 3.0	1.801	2.686	12.7	22.8
5 21	17 36.01	−26 6.1	1.722	2.676	9.1	22.5
5 31	17 26.33	−26 4.0	1.667	2.665	4.9	22.3
6 10	17 15.29	−25 55.6	1.639	2.654	1.1	22.0
6 20	17 4.04	−25 40.8	1.639	2.642	4.5	22.2
6 30	16 53.85	−25 21.7	1.665	2.629	8.9	22.4
7 10	16 45.77	−25 1.5	1.715	2.615	12.8	22.6
7 20	16 40.42	−24 43.2	1.786	2.601	16.2	22.8

5569 Colby 6 10.3 347°.82 5°.1/10.9 18

5 11	17 38.76	−32 24.2	1.175	2.079	16.6	16.2
5 21	17 33.69	−32 57.8	1.114	2.071	12.4	16.0
5 31	17 25.43	−33 19.2	1.072	2.065	8.0	15.7
6 10	17 15.25	−33 23.9	1.052	2.059	5.1	15.5
6 20	17 4.87	−33 10.7	1.055	2.054	7.2	15.6
6 30	16 56.09	−32 42.5	1.080	2.051	11.7	15.8
7 10	16 50.33	−32 5.5	1.125	2.048	16.1	16.1
7 20	16 48.29	−31 25.9	1.188	2.047	20.0	16.3

245217 2004 XL_{19} 6 10.3 238°.85 0°.6/10.3 18

5 11	17 40.82	−19 31.6	1.970	2.856	11.8	20.3
5 21	17 34.06	−20 6.4	1.894	2.848	8.3	20.0
5 31	17 25.27	−20 44.0	1.842	2.840	4.4	19.8
6 10	17 15.25	−21 22.8	1.817	2.832	0.6	19.5
6 20	17 5.00	−22 1.2	1.821	2.823	4.2	19.7
6 30	16 55.57	−22 38.3	1.852	2.815	8.2	20.0
7 10	16 47.90	−23 14.2	1.908	2.806	11.8	20.2
7 20	16 42.61	−23 49.4	1.985	2.796	14.9	20.4

437002 2012 TT_{227} 6 10.3 105°.64 1°.5/10.6 17

5 11	17 39.54	−26 42.7	1.935	2.822	11.9	21.4
5 21	17 33.10	−26 57.9	1.871	2.825	8.4	21.2
5 31	17 24.70	−27 8.5	1.832	2.829	4.6	21.0
6 10	17 15.23	−27 13.1	1.819	2.832	1.5	20.8
6 20	17 5.73	−27 11.5	1.833	2.836	4.2	21.0
6 30	16 57.26	−27 5.0	1.874	2.839	8.0	21.2
7 10	16 50.68	−26 56.0	1.940	2.842	11.4	21.4
7 20	16 46.50	−26 47.0	2.026	2.846	14.4	21.6

431338 2006 XS_{55} 6 10.3 258°.02 0°.8/10.5 18

5 11	17 41.50	−25 7.4	1.775	2.663	12.7	21.9
5 21	17 34.79	−25 11.2	1.690	2.646	9.0	21.7
5 31	17 25.75	−25 10.9	1.630	2.629	4.9	21.4
6 10	17 15.27	−25 5.4	1.596	2.611	0.8	21.0
6 20	17 4.51	−24 54.8	1.589	2.592	4.5	21.3
6 30	16 54.70	−24 40.6	1.608	2.573	9.0	21.5
7 10	16 46.93	−24 25.8	1.651	2.554	13.1	21.7
7 20	16 41.88	−24 13.0	1.714	2.534	16.5	21.9

501296 2013 WB_{63} 6 10.3 194°.02 3°.9/ 9.2 17

5 11	17 38.56	−12 39.4	2.317	3.193	10.6	21.8
5 21	17 32.04	−11 57.2	2.247	3.191	7.8	21.6
5 31	17 24.03	−11 19.0	2.202	3.188	5.1	21.5
6 10	17 15.22	−10 47.2	2.185	3.184	3.9	21.4
6 20	17 6.38	−10 23.5	2.196	3.180	5.5	21.5
6 30	16 58.32	−10 9.3	2.235	3.175	8.3	21.6
7 10	16 51.70	−10 5.0	2.298	3.170	11.1	21.8
7 20	16 46.96	−10 10.2	2.383	3.164	13.6	22.0

374389 2005 UV_{520} 6 10.3 309°.80 4°.2/ 9.5 17

5 11	17 37.76	−15 15.0	1.454	2.354	14.2	21.5
5 21	17 32.26	−14 34.2	1.383	2.342	10.4	21.2
5 31	17 24.43	−13 57.3	1.335	2.330	6.3	21.0
6 10	17 15.23	−13 27.1	1.312	2.319	4.2	20.8
6 20	17 5.87	−13 6.6	1.313	2.308	6.8	20.9
6 30	16 57.60	−12 57.7	1.338	2.297	11.0	21.1
7 10	16 51.48	−13 1.2	1.384	2.287	15.1	21.3
7 20	16 48.15	−13 16.6	1.449	2.277	18.7	21.5

205587 2001 TE_{150} 6 10.3 158°.60 0°.5/10.3 17

5 11	17 43.70	−21 1.2	1.547	2.439	14.0	20.7
5 21	17 36.30	−21 17.7	1.486	2.444	9.9	20.4
5 31	17 26.48	−21 34.6	1.449	2.448	5.2	20.2
6 10	17 15.31	−21 50.5	1.437	2.452	0.5	19.8
6 20	17 4.07	−22 4.8	1.452	2.456	4.9	20.2
6 30	16 54.12	−22 18.0	1.493	2.458	9.5	20.5
7 10	16 46.50	−22 31.5	1.557	2.461	13.7	20.7
7 20	16 41.81	−22 46.8	1.641	2.463	17.1	20.9

381598 2008 VZ_{29} 6 10.4 117°.52 2°.6/10.8 17

5 11	17 40.63	−29 46.3	1.927	2.809	12.1	21.4
5 21	17 33.90	−30 4.2	1.864	2.814	8.8	21.2
5 31	17 25.14	−30 14.7	1.826	2.819	5.2	21.0
6 10	17 15.28	−30 16.1	1.814	2.824	2.6	20.8
6 20	17 5.41	−30 8.3	1.830	2.829	4.6	21.0
6 30	16 56.64	−29 53.0	1.871	2.834	8.2	21.2
7 10	16 49.86	−29 33.3	1.937	2.838	11.5	21.4
7 20	16 45.59	−29 12.5	2.025	2.843	14.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394720 2008 EM_{94}			6 10.4 127.°22		3.°9/ 9.8 18	
	h m	° ′			°	m
5 11	17 36.18	−10 43.4	2.291	3.168	10.7	21.2
5 21	17 30.40	−10 34.4	2.228	3.171	7.9	21.0
5 31	17 23.19	−10 32.4	2.190	3.174	5.3	20.8
6 10	17 15.22	−10 38.6	2.179	3.178	3.9	20.8
6 20	17 7.22	−10 53.2	2.195	3.181	5.3	20.9
6 30	16 59.98	−11 16.2	2.238	3.184	8.0	21.0
7 10	16 54.12	−11 46.6	2.306	3.187	10.7	21.2
7 20	16 50.08	−12 23.4	2.396	3.190	13.2	21.4
159603 2001 YO_{15}			6 10.4 239.°79		0.°2/10.3 17	
5 11	17 43.08	−22 29.3	1.615	2.506	13.6	21.0
5 21	17 36.03	−22 33.8	1.536	2.493	9.6	20.7
5 31	17 26.46	−22 36.7	1.480	2.480	5.1	20.4
6 10	17 15.35	−22 37.1	1.451	2.466	0.2	20.0
6 20	17 3.94	−22 34.9	1.447	2.451	4.9	20.4
6 30	16 53.60	−22 31.5	1.470	2.436	9.7	20.6
7 10	16 45.48	−22 29.1	1.517	2.420	14.0	20.8
7 20	16 40.29	−22 29.9	1.583	2.404	17.6	21.0
81979 2000 QH_{88}			6 10.4 327.°54		1.°5/10.7 18	
5 11	17 37.97	−28 16.0	1.963	2.851	11.7	19.3
5 21	17 32.00	−28 0.6	1.892	2.846	8.4	19.0
5 31	17 24.14	−27 38.1	1.845	2.842	4.6	18.8
6 10	17 15.26	−27 8.2	1.825	2.838	1.5	18.6
6 20	17 6.37	−26 32.2	1.831	2.834	4.1	18.7
6 30	16 58.47	−25 52.9	1.864	2.831	7.9	19.0
7 10	16 52.42	−25 13.8	1.922	2.827	11.4	19.2
7 20	16 48.70	−24 37.8	2.001	2.824	14.4	19.4
374281 2005 PE_{21}			6 10.4 295.°10		2.°3/ 9.9 18	
5 11	17 39.27	−19 7.5	1.514	2.413	13.8	21.3
5 21	17 33.52	−18 40.1	1.426	2.386	9.9	21.0
5 31	17 25.23	−18 12.2	1.360	2.360	5.5	20.7
6 10	17 15.32	−17 45.5	1.320	2.333	2.3	20.4
6 20	17 4.99	−17 21.9	1.305	2.306	5.8	20.6
6 30	16 55.59	−17 4.1	1.314	2.279	10.6	20.8
7 10	16 48.34	−16 54.4	1.345	2.252	15.2	20.9
7 20	16 43.99	−16 54.0	1.395	2.225	19.2	21.1
174685 2003 TL_{20}			6 10.4 176.°64		1.°0/10.1 17	
5 11	17 42.34	−22 11.9	1.856	2.743	12.3	20.7
5 21	17 35.00	−21 37.4	1.790	2.745	8.7	20.4
5 31	17 25.68	−20 59.7	1.748	2.747	4.6	20.2
6 10	17 15.34	−20 20.0	1.733	2.748	1.0	19.9
6 20	17 5.03	−19 40.4	1.747	2.748	4.5	20.2
6 30	16 55.85	−19 3.9	1.787	2.748	8.6	20.4
7 10	16 48.65	−18 33.2	1.852	2.747	12.3	20.7
7 20	16 43.92	−18 10.2	1.938	2.746	15.4	20.9
9643 1994 RX			6 10.4 262.°62		3.°7/ 9.8 18	
5 11	17 40.53	−13 39.5	1.832	2.716	12.6	17.9
5 21	17 34.01	−13 27.6	1.743	2.693	9.3	17.7
5 31	17 25.35	−13 21.5	1.679	2.671	5.7	17.4
6 10	17 15.33	−13 22.4	1.641	2.647	3.7	17.2
6 20	17 4.96	−13 31.4	1.629	2.623	5.9	17.3
6 30	16 55.37	−13 48.9	1.644	2.598	9.8	17.5
7 10	16 47.54	−14 14.7	1.683	2.573	13.6	17.7
7 20	16 42.16	−14 48.2	1.742	2.547	16.9	17.8
126761 2002 DW_{10}			6 10.4 176.°27		5.°8/10.7 18	
5 11	17 45.83	−37 42.2	2.136	2.990	12.3	20.1
5 21	17 37.76	−38 47.0	2.069	2.992	9.6	19.9
5 31	17 27.30	−39 40.4	2.026	2.993	7.1	19.7
6 10	17 15.41	−40 17.7	2.010	2.994	5.8	19.7
6 20	17 3.27	−40 36.5	2.021	2.995	6.8	19.7
6 30	16 52.20	−40 37.6	2.059	2.995	9.2	19.9
7 10	16 43.26	−40 24.9	2.121	2.994	11.9	20.0
7 20	16 37.13	−40 3.5	2.204	2.994	14.3	20.2
171199 2005 JH_{47}			6 10.4 171.°58		3.°7/10.6 18	
5 11	17 42.03	−32 39.0	2.309	3.176	11.0	20.2
5 21	17 34.81	−33 27.6	2.240	3.179	8.1	20.0
5 31	17 25.65	−34 8.8	2.197	3.180	5.3	19.9
6 10	17 15.36	−34 39.5	2.181	3.182	3.7	19.8
6 20	17 4.91	−34 58.2	2.194	3.183	5.0	19.8
6 30	16 55.35	−35 5.4	2.234	3.184	7.8	20.0
7 10	16 47.55	−35 3.6	2.299	3.185	10.6	20.2
7 20	16 42.07	−34 56.1	2.386	3.185	13.1	20.4
62841 2000 UN_{61}			6 10.4 320.°32		4.°8/10.9 18	
5 11	17 40.15	−33 6.9	1.474	2.364	14.7	18.4
5 21	17 34.35	−33 38.1	1.400	2.350	11.0	18.2
5 31	17 25.73	−33 58.2	1.348	2.337	7.2	17.9
6 10	17 15.36	−34 3.4	1.319	2.324	4.8	17.7
6 20	17 4.70	−33 52.1	1.315	2.311	6.6	17.8
6 30	16 55.31	−33 26.5	1.335	2.299	10.5	18.0
7 10	16 48.50	−32 51.7	1.377	2.288	14.6	18.2
7 20	16 44.99	−32 13.4	1.437	2.277	18.2	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431011 2005 YA_{87}			6 10.4 142.°65		0.°6/10.5 17	
	h m	° ′			°	m
5 11	17 40.82	−25 11.2	2.047	2.931	11.5	22.7
5 21	17 33.83	−25 6.4	1.986	2.940	8.1	22.5
5 31	17 25.05	−24 57.3	1.950	2.948	4.3	22.3
6 10	17 15.34	−24 43.8	1.941	2.956	0.6	22.0
6 20	17 5.68	−24 26.6	1.960	2.963	3.9	22.3
6 30	16 57.06	−24 7.5	2.007	2.970	7.6	22.5
7 10	16 50.26	−23 49.0	2.078	2.977	11.0	22.7
7 20	16 45.75	−23 33.0	2.171	2.983	13.8	22.9
510771 2013 AA_{38}			6 10.4 152.°49		1.°3/10.7 17	
5 11	17 38.19	−27 52.3	2.522	3.400	9.8	22.1
5 21	17 31.80	−27 50.3	2.456	3.405	7.0	21.9
5 31	17 23.93	−27 43.1	2.415	3.410	3.9	21.7
6 10	17 15.30	−27 30.4	2.402	3.415	1.3	21.6
6 20	17 6.69	−27 12.5	2.418	3.420	3.4	21.7
6 30	16 58.89	−26 51.0	2.462	3.424	6.5	21.9
7 10	16 52.57	−26 28.3	2.531	3.428	9.4	22.1
7 20	16 48.16	−26 6.4	2.624	3.431	11.8	22.3
396036 2013 CV_{16}			6 10.4 150.°19		6.°4/ 8.9 18	
5 11	17 35.00	− 0 34.6	2.746	3.587	10.2	21.6
5 21	17 29.37	− 0 2.6	2.689	3.593	8.4	21.5
5 31	17 22.60	+ 0 17.9	2.657	3.600	6.9	21.4
6 10	17 15.25	+ 0 25.0	2.652	3.606	6.4	21.4
6 20	17 7.92	+ 0 17.6	2.672	3.611	7.2	21.4
6 30	17 1.22	− 0 3.8	2.719	3.617	8.7	21.6
7 10	16 55.66	− 0 37.8	2.790	3.622	10.6	21.7
7 20	16 51.59	− 1 22.1	2.882	3.626	12.3	21.8
293850 2007 RN_{233}			6 10.4 246.°98		3.°6/ 9.6 18	
5 11	17 37.70	−12 29.6	2.336	3.213	10.5	21.4
5 21	17 31.60	−12 11.2	2.251	3.196	7.8	21.2
5 31	17 23.92	−11 57.7	2.192	3.179	5.0	21.0
6 10	17 15.31	−11 50.7	2.160	3.162	3.6	20.9
6 20	17 6.53	−11 51.1	2.155	3.144	5.2	21.0
6 30	16 58.39	−11 59.4	2.179	3.125	8.2	21.1
7 10	16 51.62	−12 15.8	2.227	3.106	11.1	21.3
7 20	16 46.72	−12 39.6	2.296	3.086	13.8	21.4
437177 2012 VK_{71}			6 10.4 281.°61		0.°4/10.4 18	
5 11	17 39.36	−23 28.9	1.893	2.783	11.9	21.3
5 21	17 33.22	−23 45.5	1.809	2.765	8.5	21.1
5 31	17 24.94	−24 0.8	1.748	2.747	4.5	20.8
6 10	17 15.35	−24 13.5	1.714	2.729	0.5	20.4
6 20	17 5.45	−24 23.0	1.707	2.710	4.2	20.7
6 30	16 56.38	−24 29.8	1.726	2.692	8.5	20.9
7 10	16 49.13	−24 35.4	1.770	2.673	12.3	21.1
7 20	16 44.36	−24 41.6	1.834	2.655	15.6	21.3
109861 2001 RC_{140}			6 10.4 319.°12		1.°2/10.5 18	
5 11	17 38.72	−24 46.7	1.325	2.230	14.9	19.3
5 21	17 33.46	−25 8.2	1.248	2.212	10.7	19.0
5 31	17 25.33	−25 27.3	1.193	2.194	5.8	18.7
6 10	17 15.37	−25 41.8	1.162	2.176	1.3	18.3
6 20	17 4.98	−25 50.4	1.154	2.159	5.4	18.5
6 30	16 55.76	−25 54.0	1.170	2.143	10.7	18.8
7 10	16 49.07	−25 55.3	1.208	2.128	15.5	19.0
7 20	16 45.71	−25 56.9	1.263	2.113	19.6	19.2
41518 2000 QD_{196}			6 10.4 218.°07		0.°1/10.3 18	
5 11	17 37.37	−22 30.2	2.596	3.477	9.4	20.3
5 21	17 31.25	−22 32.8	2.517	3.470	6.6	20.1
5 31	17 23.69	−22 34.1	2.465	3.463	3.5	19.9
6 10	17 15.31	−22 33.9	2.441	3.456	0.2	19.6
6 20	17 6.83	−22 32.3	2.445	3.448	3.3	19.9
6 30	16 59.03	−22 30.1	2.478	3.440	6.5	20.0
7 10	16 52.54	−22 28.4	2.537	3.431	9.4	20.2
7 20	16 47.85	−22 28.5	2.618	3.422	11.9	20.4
435746 2008 UO_{146}			6 10.4 120.°82		0.°3/10.3 17	
5 11	17 39.23	−23 2.8	2.004	2.892	11.5	21.2
5 21	17 32.72	−22 46.5	1.944	2.900	8.0	21.0
5 31	17 24.47	−22 27.5	1.908	2.908	4.2	20.8
6 10	17 15.34	−22 6.4	1.900	2.915	0.3	20.5
6 20	17 6.26	−21 44.2	1.920	2.923	3.9	20.8
6 30	16 58.21	−21 22.9	1.966	2.930	7.7	21.1
7 10	16 51.92	−21 4.7	2.037	2.937	11.1	21.3
7 20	16 47.86	−20 50.9	2.130	2.944	14.0	21.5
166052 2002 CW_{32}			6 10.4 249.°17		1.°1/10.5 17	
5 11	17 43.14	−24 39.4	1.528	2.422	14.1	20.3
5 21	17 36.25	−25 3.1	1.453	2.410	10.0	20.1
5 31	17 26.67	−25 24.3	1.400	2.399	5.4	19.8
6 10	17 15.42	−25 40.5	1.372	2.387	1.2	19.4
6 20	17 3.84	−25 50.7	1.371	2.375	5.1	19.7
6 30	16 53.40	−25 55.4	1.395	2.362	9.9	19.9
7 10	16 45.34	−25 57.3	1.442	2.349	14.3	20.2
7 20	16 40.40	−25 59.2	1.508	2.336	18.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359686 2011 SR_{163}			6 10.4 354°.32	4°.6/11.2 17		
	h m	° ′			°	m
5 11	17 40.93	−32 16.9	1.055	1.962	17.8	20.8
5 21	17 35.38	−32 27.0	0.999	1.959	13.2	20.5
5 31	17 26.38	−32 21.9	0.961	1.956	8.2	20.2
6 10	17 15.42	−31 58.4	0.945	1.954	4.7	20.0
6 20	17 4.39	−31 17.2	0.951	1.953	7.1	20.2
6 30	16 55.25	−30 23.7	0.978	1.953	12.1	20.4
7 10	16 49.44	−29 25.9	1.026	1.953	16.9	20.7
7 20	16 47.57	−28 30.9	1.090	1.954	21.1	21.0
384581 2010 HA_{114}			6 10.4 347°.71	2°.9/10.2 17		
5 11	17 37.63	−14 43.5	1.629	2.524	13.3	19.8
5 21	17 32.01	−14 57.1	1.563	2.520	9.6	19.6
5 31	17 24.28	−15 17.7	1.520	2.516	5.6	19.4
6 10	17 15.34	−15 45.6	1.502	2.513	2.9	19.2
6 20	17 6.26	−16 19.8	1.511	2.510	5.4	19.3
6 30	16 58.16	−16 59.5	1.544	2.508	9.4	19.6
7 10	16 52.02	−17 43.7	1.601	2.506	13.3	19.8
7 20	16 48.40	−18 31.1	1.678	2.505	16.5	20.0
171582 1999 VX_{80}			6 10.4 124°.03	0°.7/10.3 17		
5 11	17 42.12	−21 6.5	1.666	2.557	13.2	20.1
5 21	17 35.01	−21 8.4	1.610	2.568	9.3	19.9
5 31	17 25.76	−21 9.9	1.579	2.578	4.9	19.7
6 10	17 15.41	−21 10.6	1.573	2.588	0.7	19.4
6 20	17 5.11	−21 10.8	1.594	2.597	4.6	19.7
6 30	16 56.04	−21 11.6	1.641	2.606	8.9	20.0
7 10	16 49.11	−21 14.6	1.712	2.614	12.7	20.2
7 20	16 44.83	−21 20.9	1.803	2.623	15.9	20.4
432414 2010 AR_{31}			6 10.4 34°.79	6°.7/10.0 17		
5 11	17 37.34	− 6 22.0	1.573	2.454	14.4	19.9
5 21	17 31.64	− 6 7.2	1.523	2.463	11.1	19.8
5 31	17 24.00	− 6 6.9	1.495	2.472	8.1	19.6
6 10	17 15.35	− 6 23.1	1.492	2.481	6.7	19.5
6 20	17 6.74	− 6 55.8	1.513	2.491	8.1	19.6
6 30	16 59.24	− 7 43.5	1.558	2.502	11.0	19.8
7 10	16 53.68	− 8 43.2	1.626	2.513	14.1	20.1
7 20	16 50.55	− 9 51.2	1.713	2.524	16.9	20.3
369922 2013 EV_{35}			6 10.4 165°.77	5°.4/ 8.8 16		
5 11	17 34.74	− 3 22.2	2.982	3.830	9.3	22.0
5 21	17 29.14	− 2 45.4	2.921	3.835	7.5	21.9
5 31	17 22.49	− 2 17.6	2.886	3.839	5.9	21.8
6 10	17 15.30	− 2 0.6	2.878	3.843	5.4	21.8
6 20	17 8.12	− 1 55.5	2.897	3.846	6.2	21.8
6 30	17 1.50	− 2 2.5	2.944	3.849	7.9	21.9
7 10	16 55.94	− 2 20.7	3.014	3.851	9.7	22.1
7 20	16 51.77	− 2 48.6	3.107	3.853	11.4	22.2
102946 1999 XM_{53}			6 10.4 246°.38	0°.7/10.4 18		
5 11	17 40.89	−23 42.6	2.141	3.023	11.1	19.9
5 21	17 34.12	−24 13.8	2.056	3.009	7.9	19.7
5 31	17 25.37	−24 44.0	1.997	2.995	4.2	19.5
6 10	17 15.41	−25 11.6	1.965	2.980	0.8	19.2
6 20	17 5.16	−25 35.2	1.962	2.965	3.9	19.4
6 30	16 55.65	−25 54.7	1.986	2.949	7.8	19.6
7 10	16 47.81	−26 11.2	2.036	2.933	11.3	19.8
7 20	16 42.24	−26 26.2	2.108	2.916	14.3	20.0
48355 2184 $T\text{-}_{1}$			6 10.4 108°.05	4°.7/ 9.7 17		
5 11	17 40.08	−12 38.8	1.556	2.446	14.0	19.7
5 21	17 33.60	−12 7.3	1.502	2.454	10.3	19.5
5 31	17 25.03	−11 43.3	1.471	2.461	6.6	19.3
6 10	17 15.39	−11 29.0	1.465	2.468	4.7	19.2
6 20	17 5.81	−11 25.9	1.485	2.476	6.8	19.3
6 30	16 57.42	−11 34.7	1.530	2.483	10.4	19.6
7 10	16 51.12	−11 54.7	1.597	2.489	14.0	19.8
7 20	16 47.41	−12 24.2	1.683	2.496	17.1	20.0
145324 2005 LE_{25}			6 10.4 243°.24	1°.8/10.1 17		R
5 11	17 40.77	−18 51.1	1.710	2.601	12.9	20.9
5 21	17 34.23	−18 42.3	1.634	2.591	9.2	20.6
5 31	17 25.48	−18 34.8	1.582	2.580	5.0	20.4
6 10	17 15.42	−18 29.0	1.556	2.569	1.8	20.1
6 20	17 5.15	−18 25.8	1.556	2.557	5.0	20.3
6 30	16 55.88	−18 26.2	1.583	2.545	9.3	20.5
7 10	16 48.59	−18 31.5	1.632	2.533	13.3	20.8
7 20	16 43.92	−18 42.5	1.702	2.520	16.7	21.0
423710 2006 BH_{29}			6 10.4 202°.74	1°.6/10.2 17		
5 11	17 39.63	−18 35.0	2.011	2.897	11.5	21.4
5 21	17 33.11	−18 33.5	1.940	2.894	8.2	21.2
5 31	17 24.77	−18 33.7	1.893	2.891	4.4	21.0
6 10	17 15.40	−18 35.6	1.874	2.887	1.6	20.8
6 20	17 5.93	−18 39.6	1.883	2.883	4.3	21.0
6 30	16 57.35	−18 46.3	1.918	2.879	8.1	21.2
7 10	16 50.47	−18 56.4	1.979	2.874	11.6	21.4
7 20	16 45.82	−19 10.5	2.060	2.869	14.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
327212 2005 NY_{124}			6 10.4 288°.48	0°.1/10.4 18		
	h m	° ′			°	m
5 11	17 40.47	−25 0.9	1.543	2.439	13.8	20.4
5 21	17 34.34	−24 35.2	1.459	2.418	9.8	20.1
5 31	17 25.67	−24 2.7	1.397	2.397	5.2	19.8
6 10	17 15.44	−23 23.9	1.361	2.376	0.3	19.3
6 20	17 4.90	−22 40.6	1.350	2.355	5.0	19.6
6 30	16 55.46	−21 56.6	1.365	2.334	9.9	19.9
7 10	16 48.27	−21 16.2	1.402	2.312	14.5	20.1
7 20	16 44.06	−20 42.8	1.459	2.291	18.3	20.3
45819 2000 QL_{101}			6 10.4 259°.08	8°.0/10.8 18		
5 11	17 46.83	−38 52.6	1.501	2.368	15.8	19.2
5 21	17 39.41	−40 4.7	1.429	2.359	12.5	19.0
5 31	17 28.58	−41 2.0	1.379	2.348	9.5	18.8
6 10	17 15.54	−41 37.0	1.353	2.338	8.0	18.7
6 20	17 2.02	−41 45.6	1.351	2.327	9.2	18.7
6 30	16 49.96	−41 29.1	1.373	2.317	12.2	18.8
7 10	16 40.93	−40 54.1	1.417	2.306	15.7	19.0
7 20	16 35.78	−40 8.7	1.478	2.295	18.9	19.2
350726 2001 XY_{162}			6 10.4 212°.85	0°.3/10.3 18		
5 11	17 38.03	−21 13.6	2.397	3.280	10.0	20.8
5 21	17 31.83	−21 30.8	2.323	3.277	7.0	20.6
5 31	17 24.05	−21 48.1	2.274	3.273	3.7	20.4
6 10	17 15.38	−22 4.9	2.253	3.269	0.3	20.1
6 20	17 6.59	−22 20.8	2.261	3.264	3.5	20.4
6 30	16 58.51	−22 35.8	2.297	3.260	6.9	20.6
7 10	16 51.87	−22 50.6	2.359	3.255	10.0	20.8
7 20	16 47.14	−23 6.1	2.443	3.250	12.6	20.9
162512 2000 QT_{80}			6 10.4 358°.98	5°.5/ 9.7 17		
5 11	17 34.81	−14 33.4	0.944	1.867	17.8	18.3
5 21	17 30.87	−13 52.6	0.893	1.862	13.0	18.0
5 31	17 23.96	−13 19.9	0.862	1.860	8.1	17.7
6 10	17 15.37	−12 59.8	0.850	1.858	5.5	17.5
6 20	17 6.70	−12 55.1	0.859	1.859	8.4	17.7
6 30	16 59.62	−13 7.1	0.889	1.860	13.4	18.0
7 10	16 55.40	−13 34.5	0.936	1.864	18.2	18.2
7 20	16 54.64	−14 14.5	1.000	1.868	22.2	18.5
457628 2009 BB_{123}			6 10.4 45°.26	1°.7/10.1 17		
5 11	17 40.62	−20 33.7	1.126	2.037	16.6	20.8
5 21	17 34.47	−20 14.8	1.085	2.051	11.6	20.5
5 31	17 25.61	−19 56.1	1.065	2.066	6.1	20.3
6 10	17 15.43	−19 38.7	1.067	2.081	1.7	20.0
6 20	17 5.48	−19 24.3	1.093	2.097	5.9	20.4
6 30	16 57.27	−19 15.1	1.142	2.114	11.0	20.7
7 10	16 51.86	−19 12.9	1.212	2.131	15.5	21.0
7 20	16 49.69	−19 18.2	1.299	2.148	19.2	21.3
502149 2015 BL_{34}			6 10.4 248°.65	1°.8/10.2 17		
5 11	17 41.35	−18 13.0	1.738	2.627	12.9	21.7
5 21	17 34.68	−18 13.2	1.657	2.613	9.2	21.4
5 31	17 25.75	−18 15.9	1.600	2.598	5.1	21.1
6 10	17 15.45	−18 21.1	1.569	2.582	1.8	20.9
6 20	17 4.85	−18 29.0	1.565	2.566	5.0	21.0
6 30	16 55.18	−18 40.3	1.588	2.550	9.4	21.3
7 10	16 47.46	−18 55.6	1.634	2.533	13.4	21.5
7 20	16 42.36	−19 15.6	1.700	2.516	16.8	21.7
497665 2006 RN_{87}			6 10.4 237°.80	0°.8/10.2 17		
5 11	17 41.52	−21 20.3	1.830	2.718	12.4	22.8
5 21	17 34.70	−21 12.6	1.750	2.705	8.8	22.6
5 31	17 25.71	−21 3.8	1.693	2.692	4.7	22.3
6 10	17 15.44	−20 53.8	1.663	2.678	0.8	22.0
6 20	17 4.95	−20 43.2	1.661	2.664	4.5	22.2
6 30	16 55.41	−20 33.7	1.686	2.649	8.8	22.4
7 10	16 47.78	−20 27.1	1.734	2.633	12.8	22.7
7 20	16 42.70	−20 25.1	1.803	2.617	16.1	22.8
408367 2013 GM_{93}			6 10.4 79°.52	4°.5/ 9.8 17		
5 11	17 41.15	−14 11.1	1.286	2.185	15.7	21.1
5 21	17 34.67	−13 42.9	1.235	2.193	11.4	20.9
5 31	17 25.71	−13 22.0	1.206	2.201	7.0	20.6
6 10	17 15.44	−13 10.5	1.201	2.208	4.5	20.5
6 20	17 5.25	−13 10.0	1.220	2.216	7.1	20.7
6 30	16 56.50	−13 21.2	1.263	2.224	11.4	20.9
7 10	16 50.24	−13 43.4	1.327	2.231	15.5	21.2
7 20	16 47.00	−14 15.0	1.409	2.239	19.0	21.5
390033 2012 UP_{47}			6 10.4 223°.37	1°.6/10.6 17		
5 11	17 39.98	−26 45.7	2.029	2.913	11.5	21.1
5 21	17 33.48	−27 10.0	1.957	2.910	8.2	20.9
5 31	17 25.02	−27 30.3	1.910	2.907	4.6	20.6
6 10	17 15.42	−27 44.8	1.890	2.903	1.7	20.4
6 20	17 5.70	−27 52.7	1.898	2.900	4.2	20.6
6 30	16 56.89	−27 54.9	1.933	2.896	7.9	20.8
7 10	16 49.89	−27 53.3	1.992	2.892	11.3	21.0
7 20	16 45.25	−27 50.4	2.072	2.888	14.2	21.2

366237 2012 UV_{154} 6 10.4 283°.86 2°.3/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.68	−28 45.0	1.885	2.771	12.2	20.9
5 21	17 33.43	−29 2.7	1.811	2.763	8.8	20.7
5 31	17 25.05	−29 14.3	1.760	2.755	5.1	20.5
6 10	17 15.43	−29 17.8	1.735	2.747	2.3	20.3
6 20	17 5.63	−29 12.9	1.738	2.739	4.6	20.4
6 30	16 56.83	−29 0.8	1.766	2.730	8.4	20.6
7 10	16 49.97	−28 44.5	1.818	2.722	12.0	20.8
7 20	16 45.67	−28 27.2	1.892	2.714	15.1	21.0

499671 2010 VT_{165} 6 10.4 246°.90 1°.0/10.5 17

5 11	17 42.58	−25 17.8	1.778	2.665	12.8	22.4
5 21	17 35.62	−25 29.9	1.695	2.649	9.1	22.2
5 31	17 26.28	−25 38.3	1.635	2.634	4.9	21.9
6 10	17 15.48	−25 41.4	1.603	2.617	1.1	21.6
6 20	17 4.37	−25 38.7	1.597	2.600	4.6	21.8
6 30	16 54.22	−25 31.6	1.618	2.583	9.0	22.0
7 10	16 46.14	−25 22.5	1.663	2.565	13.0	22.2
7 20	16 40.81	−25 14.4	1.728	2.547	16.5	22.4

313044 2000 QA_{144} 6 10.4 264°.13 0°.2/10.4 18

5 11	17 43.03	−23 16.3	1.625	2.516	13.5	21.1
5 21	17 36.18	−23 22.5	1.536	2.493	9.7	20.8
5 31	17 26.69	−23 26.5	1.470	2.470	5.2	20.5
6 10	17 15.50	−23 27.2	1.431	2.446	0.3	20.1
6 20	17 3.84	−23 24.1	1.418	2.421	4.9	20.4
6 30	16 53.13	−23 18.7	1.430	2.396	9.8	20.6
7 10	16 44.60	−23 13.5	1.466	2.371	14.3	20.8
7 20	16 39.05	−23 10.9	1.522	2.344	18.2	21.0

394257 2006 UH_{39} 6 10.4 170°.58 2°.7/ 9.6 16

5 11	17 36.47	−15 30.4	2.474	3.355	9.8	21.8
5 21	17 30.56	−14 55.6	2.407	3.357	7.1	21.7
5 31	17 23.31	−14 23.2	2.367	3.359	4.3	21.5
6 10	17 15.37	−13 54.8	2.354	3.360	2.7	21.4
6 20	17 7.44	−13 31.7	2.370	3.362	4.5	21.5
6 30	17 0.24	−13 15.4	2.413	3.363	7.3	21.7
7 10	16 54.36	−13 6.6	2.482	3.363	10.0	21.9
7 20	16 50.23	−13 5.2	2.572	3.364	12.4	22.0

104503 2000 GW_{38} 6 10.4 329°.25 5°.2/ 9.3 18

5 11	17 37.00	−13 35.1	1.352	2.255	14.9	19.4
5 21	17 31.87	−12 47.0	1.286	2.244	11.0	19.1
5 31	17 24.35	−12 4.8	1.242	2.235	7.1	18.8
6 10	17 15.44	−11 32.3	1.221	2.225	5.2	18.7
6 20	17 6.38	−11 12.8	1.225	2.217	7.6	18.8
6 30	16 58.48	−11 8.1	1.251	2.209	11.8	19.0
7 10	16 52.81	−11 18.5	1.298	2.202	15.8	19.2
7 20	16 50.00	−11 42.3	1.363	2.195	19.4	19.5

7121 Busch 6 10.4 279°.64 1°.3/10.1 18

5 11	17 37.50	−19 45.1	2.010	2.900	11.3	17.8
5 21	17 31.69	−19 35.7	1.934	2.890	8.0	17.6
5 31	17 24.08	−19 26.7	1.882	2.881	4.3	17.4
6 10	17 15.43	−19 18.5	1.858	2.871	1.3	17.1
6 20	17 6.66	−19 12.0	1.860	2.862	4.2	17.3
6 30	16 58.72	−19 8.1	1.890	2.853	8.0	17.5
7 10	16 52.43	−19 8.1	1.943	2.843	11.5	17.7
7 20	16 48.32	−19 12.8	2.018	2.834	14.6	17.9

186369 2002 GG_{113} 6 10.4 109°.24 1°.4/10.2 18

5 11	17 36.62	−18 25.9	2.388	3.272	10.0	20.0
5 21	17 30.75	−18 24.6	2.326	3.279	7.0	19.8
5 31	17 23.45	−18 24.9	2.289	3.286	3.8	19.6
6 10	17 15.41	−18 26.8	2.280	3.293	1.4	19.5
6 20	17 7.37	−18 30.8	2.300	3.300	3.7	19.7
6 30	17 0.10	−18 37.2	2.347	3.307	6.9	19.9
7 10	16 54.22	−18 46.7	2.419	3.314	9.8	20.1
7 20	16 50.17	−18 59.4	2.514	3.320	12.3	20.2

335100 2004 TF_{128} 6 10.4 278°.62 0°.2/10.4 18

5 11	17 40.79	−22 53.4	1.839	2.728	12.3	21.0
5 21	17 34.39	−23 9.0	1.747	2.703	8.8	20.8
5 31	17 25.70	−23 23.7	1.679	2.678	4.7	20.5
6 10	17 15.51	−23 36.3	1.637	2.652	0.3	20.1
6 20	17 4.89	−23 46.1	1.623	2.626	4.4	20.3
6 30	16 55.06	−23 53.5	1.635	2.600	8.9	20.5
7 10	16 47.09	−24 0.1	1.671	2.573	13.0	20.7
7 20	16 41.73	−24 7.8	1.727	2.546	16.5	20.9

112840 2002 QN_{18} 6 10.4 334°.96 4°.4/10.7 17

5 11	17 39.35	−30 21.8	1.180	2.086	16.4	19.1
5 21	17 34.24	−31 2.0	1.113	2.073	12.1	18.8
5 31	17 25.90	−31 33.4	1.067	2.062	7.5	18.6
6 10	17 15.53	−31 51.5	1.042	2.051	4.4	18.3
6 20	17 4.78	−31 53.9	1.041	2.042	6.9	18.5
6 30	16 55.52	−31 42.2	1.062	2.033	11.7	18.7
7 10	16 49.23	−31 21.6	1.102	2.026	16.4	18.9
7 20	16 46.70	−30 57.6	1.160	2.019	20.4	19.2

461390 2001 RG_{140} 6 10.4 283°.09 4°.6/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 43.91	−31 13.6	1.324	2.217	15.8	21.2
5 21	17 37.42	−31 55.2	1.246	2.200	11.8	20.9
5 31	17 27.60	−32 28.0	1.190	2.182	7.4	20.6
6 10	17 15.60	−32 46.7	1.157	2.164	4.6	20.4
6 20	17 3.04	−32 48.4	1.148	2.147	6.9	20.5
6 30	16 51.81	−32 34.5	1.163	2.129	11.6	20.7
7 10	16 43.48	−32 10.3	1.199	2.111	16.2	20.9
7 20	16 38.95	−31 41.9	1.253	2.093	20.3	21.1

379321 2009 WT_{34} 6 10.4 160°.34 0°.4/10.5 17

5 11	17 40.92	−23 46.8	2.140	3.023	11.1	21.7
5 21	17 33.95	−23 58.3	2.075	3.028	7.8	21.5
5 31	17 25.21	−24 7.6	2.035	3.033	4.1	21.3
6 10	17 15.50	−24 13.6	2.023	3.038	0.4	21.0
6 20	17 5.76	−24 16.3	2.039	3.042	3.7	21.3
6 30	16 56.95	−24 16.6	2.083	3.046	7.4	21.5
7 10	16 49.86	−24 16.0	2.152	3.049	10.7	21.8
7 20	16 44.98	−24 16.4	2.243	3.051	13.5	22.0

173272 1999 RG_{258} 6 10.4 268°.66 1°.9/10.1 18

5 11	17 40.76	−19 20.5	1.567	2.462	13.7	20.7
5 21	17 34.47	−19 4.7	1.487	2.446	9.8	20.4
5 31	17 25.74	−18 49.3	1.431	2.430	5.3	20.1
6 10	17 15.53	−18 35.2	1.400	2.413	1.9	19.9
6 20	17 5.02	−18 23.6	1.394	2.396	5.4	20.1
6 30	16 55.53	−18 16.2	1.414	2.379	10.0	20.3
7 10	16 48.19	−18 14.8	1.457	2.362	14.4	20.5
7 20	16 43.68	−18 20.5	1.519	2.344	18.1	20.7

266683 2009 OB_{12} 6 10.4 237°.16 4°.5/ 9.3 18

5 11	17 39.51	−12 55.3	1.830	2.714	12.6	20.7
5 21	17 33.17	−12 9.1	1.756	2.704	9.3	20.5
5 31	17 24.89	−11 27.5	1.705	2.693	6.1	20.3
6 10	17 15.50	−10 53.4	1.681	2.682	4.6	20.2
6 20	17 5.98	−10 29.4	1.684	2.671	6.5	20.3
6 30	16 57.37	−10 17.3	1.713	2.659	10.0	20.4
7 10	16 50.55	−10 17.5	1.764	2.647	13.4	20.6
7 20	16 46.05	−10 29.4	1.836	2.634	16.4	20.8

383884 2008 RT_{137} 6 10.4 205°.56 2°.2/10.9 18

5 11	17 41.04	−29 49.0	2.050	2.929	11.7	21.5
5 21	17 34.21	−29 51.7	1.977	2.926	8.4	21.3
5 31	17 25.42	−29 46.7	1.929	2.922	4.9	21.1
6 10	17 15.53	−29 32.8	1.908	2.919	2.3	20.9
6 20	17 5.59	−29 10.5	1.914	2.915	4.3	21.0
6 30	16 56.65	−28 41.7	1.948	2.910	7.9	21.2
7 10	16 49.59	−28 10.1	2.006	2.906	11.3	21.4
7 20	16 44.94	−27 38.8	2.086	2.901	14.2	21.6

344521 2002 SY_{10} 6 10.4 203°.65 4°.1/ 9.3 18

5 11	17 36.97	−11 22.2	2.344	3.220	10.5	21.5
5 21	17 31.02	−10 45.8	2.274	3.217	7.8	21.3
5 31	17 23.64	−10 14.9	2.229	3.213	5.3	21.1
6 10	17 15.47	− 9 51.2	2.212	3.209	4.1	21.0
6 20	17 7.27	− 9 36.5	2.222	3.204	5.6	21.1
6 30	16 59.79	− 9 31.7	2.259	3.199	8.3	21.3
7 10	16 53.67	− 9 36.8	2.321	3.194	11.0	21.4
7 20	16 49.37	− 9 51.1	2.404	3.189	13.4	21.6

151033 2001 UJ_{170} 6 10.4 120°.25 0°.2/10.4 17

5 11	17 41.33	−23 10.8	1.890	2.777	12.1	20.2
5 21	17 34.28	−22 59.1	1.835	2.790	8.5	20.0
5 31	17 25.37	−22 44.6	1.804	2.803	4.4	19.8
6 10	17 15.54	−22 27.5	1.800	2.816	0.3	19.5
6 20	17 5.82	−22 8.9	1.824	2.828	4.1	19.8
6 30	16 57.23	−21 50.7	1.875	2.839	8.0	20.1
7 10	16 50.57	−21 35.0	1.951	2.850	11.5	20.3
7 20	16 46.29	−21 23.6	2.047	2.861	14.4	20.6

373193 2012 DH_{75} 6 10.4 23°.77 2°.3/10.1 17

5 11	17 38.55	−19 12.5	1.182	2.093	15.9	20.7
5 21	17 33.08	−18 52.1	1.133	2.099	11.3	20.5
5 31	17 24.99	−18 33.5	1.105	2.106	6.1	20.2
6 10	17 15.53	−18 18.0	1.100	2.113	2.3	20.0
6 20	17 6.13	−18 7.4	1.118	2.122	6.0	20.2
6 30	16 58.27	−18 3.5	1.160	2.131	11.0	20.6
7 10	16 53.00	−18 7.3	1.222	2.141	15.5	20.8
7 20	16 50.86	−18 18.9	1.301	2.151	19.2	21.1

143424 2003 BB_{57} 6 10.4 235°.67 4°.2/ 9.9 18

5 11	17 36.87	−10 24.0	2.145	3.023	11.3	19.8
5 21	17 31.08	−10 14.6	2.078	3.021	8.4	19.6
5 31	17 23.72	−10 12.9	2.034	3.019	5.6	19.4
6 10	17 15.48	−10 20.2	2.018	3.017	4.2	19.3
6 20	17 7.18	−10 36.9	2.028	3.014	5.7	19.4
6 30	16 59.65	−11 2.9	2.065	3.012	8.5	19.6
7 10	16 53.58	−11 37.1	2.127	3.010	11.4	19.7
7 20	16 49.47	−12 18.1	2.210	3.007	14.0	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
46847 1998 QM_{26}			6 10.4 252°.20		1°.6/10.1 18	
	h m	° ′			°	m
5 11	17 40.96	−19 23.3	1.771	2.661	12.6	20.2
5 21	17 34.41	−19 12.9	1.689	2.646	9.0	20.0
5 31	17 25.66	−19 3.1	1.631	2.630	4.9	19.7
6 10	17 15.57	−18 54.3	1.600	2.613	1.6	19.4
6 20	17 5.21	−18 47.3	1.595	2.596	4.9	19.6
6 30	16 55.78	−18 43.4	1.617	2.579	9.2	19.8
7 10	16 48.27	−18 44.2	1.662	2.561	13.2	20.0
7 20	16 43.33	−18 50.7	1.727	2.543	16.6	20.2
257065 2008 FJ_{102}			6 10.4 127°.12		0°.1/10.4 18	
5 11	17 43.20	−22 33.3	1.884	2.768	12.3	21.1
5 21	17 35.64	−22 52.1	1.829	2.783	8.6	20.9
5 31	17 26.12	−23 9.5	1.799	2.797	4.5	20.7
6 10	17 15.58	−23 24.3	1.796	2.811	0.2	20.4
6 20	17 5.09	−23 35.8	1.821	2.824	4.1	20.7
6 30	16 55.73	−23 44.8	1.874	2.837	8.1	21.0
7 10	16 48.36	−23 52.9	1.951	2.849	11.6	21.2
7 20	16 43.47	−24 1.5	2.049	2.860	14.5	21.5
168441 1998 WD_{3}			6 10.4 292°.68		1°.1/10.3 18	
5 11	17 39.97	−19 18.1	1.885	2.774	12.0	20.6
5 21	17 33.83	−19 31.0	1.785	2.741	8.6	20.3
5 31	17 25.45	−19 46.4	1.710	2.708	4.7	20.0
6 10	17 15.57	−20 3.8	1.660	2.675	1.1	19.7
6 20	17 5.17	−20 22.6	1.638	2.641	4.6	19.9
6 30	16 55.41	−20 42.8	1.643	2.607	9.0	20.1
7 10	16 47.37	−21 5.1	1.672	2.572	13.1	20.2
7 20	16 41.81	−21 30.0	1.721	2.538	16.6	20.4
171407 2006 QV_{148}			6 10.4 240°.84		0°.6/10.3 18	
5 11	17 37.92	−21 18.2	2.253	3.138	10.5	20.8
5 21	17 31.87	−21 18.3	2.175	3.130	7.4	20.6
5 31	17 24.16	−21 17.8	2.123	3.122	3.9	20.4
6 10	17 15.51	−21 16.6	2.099	3.114	0.6	20.1
6 20	17 6.74	−21 15.2	2.102	3.105	3.7	20.3
6 30	16 58.72	−21 14.2	2.133	3.096	7.3	20.5
7 10	16 52.21	−21 14.8	2.190	3.087	10.5	20.7
7 20	16 47.72	−21 18.2	2.268	3.078	13.3	20.9
46042 2001 DK_{54}			6 10.4 122°.00		4°.0/ 9.9 17	
5 11	17 40.87	−13 36.6	1.599	2.488	13.8	19.4
5 21	17 34.18	−13 16.9	1.544	2.496	10.0	19.2
5 31	17 25.41	−13 3.9	1.512	2.504	6.2	19.0
6 10	17 15.56	−12 59.0	1.506	2.512	4.0	18.9
6 20	17 5.74	−13 3.2	1.526	2.519	6.2	19.0
6 30	16 57.10	−13 16.9	1.571	2.526	10.0	19.2
7 10	16 50.54	−13 39.6	1.639	2.533	13.6	19.5
7 20	16 46.56	−14 10.0	1.726	2.540	16.7	19.7
172966 2005 MC_{54}			6 10.4 291°.60		0°.9/10.7 18	
5 11	17 34.61	−27 29.2	3.043	3.920	8.3	20.3
5 21	17 29.29	−27 15.4	2.950	3.900	5.9	20.1
5 31	17 22.72	−26 57.1	2.884	3.880	3.2	19.9
6 10	17 15.45	−26 34.1	2.846	3.860	0.9	19.7
6 20	17 8.09	−26 7.2	2.838	3.840	2.9	19.8
6 30	17 1.28	−25 37.9	2.857	3.820	5.7	19.9
7 10	16 55.59	−25 7.9	2.904	3.800	8.3	20.1
7 20	16 51.44	−24 39.2	2.973	3.780	10.6	20.2
498207 2007 TG_{405}			6 10.4 314°.96		3°.5/10.6 17	
5 11	17 39.91	−28 31.8	1.149	2.057	16.5	20.8
5 21	17 34.88	−29 5.5	1.070	2.033	12.1	20.4
5 31	17 26.41	−29 32.9	1.012	2.010	7.2	20.1
6 10	17 15.61	−29 49.7	0.976	1.987	3.5	19.8
6 20	17 4.13	−29 53.2	0.962	1.965	6.7	19.9
6 30	16 53.95	−29 44.4	0.970	1.944	12.2	20.1
7 10	16 46.76	−29 28.1	0.998	1.924	17.4	20.3
7 20	16 43.56	−29 9.6	1.042	1.905	22.0	20.6
245204 2004 VG_{6}			6 10.4 233°.10		0°.3/10.4 18	
5 11	17 39.80	−22 1.0	1.936	2.825	11.8	20.7
5 21	17 33.41	−22 6.4	1.863	2.819	8.3	20.5
5 31	17 25.05	−22 10.9	1.813	2.812	4.4	20.2
6 10	17 15.55	−22 14.0	1.791	2.806	0.3	19.9
6 20	17 5.92	−22 15.7	1.795	2.799	4.1	20.2
6 30	16 57.19	−22 16.9	1.827	2.792	8.1	20.4
7 10	16 50.26	−22 19.0	1.883	2.785	11.8	20.6
7 20	16 45.69	−22 23.5	1.960	2.777	14.9	20.8
332177 2006 BU_{71}			6 10.4 258°.08		0°.5/10.5 17	
5 11	17 41.11	−23 51.7	1.982	2.867	11.7	21.6
5 21	17 34.46	−24 6.3	1.894	2.848	8.3	21.3
5 31	17 25.68	−24 19.0	1.831	2.829	4.4	21.1
6 10	17 15.58	−24 28.4	1.794	2.809	0.6	20.7
6 20	17 5.16	−24 34.1	1.785	2.789	4.1	21.0
6 30	16 55.54	−24 36.7	1.804	2.768	8.3	21.2
7 10	16 47.69	−24 38.0	1.847	2.747	12.1	21.4
7 20	16 42.29	−24 39.9	1.911	2.725	15.3	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
99242 2001 KG_{52}			6 10.4 88°.76		1°.6/10.5 18	
	h m	° ′			°	m
5 11	17 40.89	−25 50.0	1.898	2.785	12.1	19.3
5 21	17 34.15	−26 24.5	1.840	2.794	8.6	19.1
5 31	17 25.41	−26 55.5	1.806	2.803	4.7	18.9
6 10	17 15.57	−27 21.0	1.798	2.812	1.6	18.7
6 20	17 5.69	−27 39.8	1.819	2.821	4.3	18.9
6 30	16 56.86	−27 52.3	1.866	2.830	8.0	19.2
7 10	16 49.97	−28 0.5	1.937	2.839	11.5	19.4
7 20	16 45.55	−28 6.5	2.029	2.847	14.4	19.6
10353 Momotaro			6 10.4 175°.35		0°.1/10.4 18	
5 11	17 38.36	−23 3.2	2.154	3.040	10.9	17.4
5 21	17 32.19	−23 7.9	2.086	3.041	7.6	17.2
5 31	17 24.33	−23 10.8	2.043	3.042	4.0	16.9
6 10	17 15.53	−23 11.6	2.027	3.042	0.2	16.6
6 20	17 6.67	−23 10.4	2.039	3.042	3.7	16.9
6 30	16 58.68	−23 8.1	2.078	3.042	7.3	17.1
7 10	16 52.30	−23 6.2	2.142	3.042	10.6	17.3
7 20	16 48.02	−23 6.1	2.228	3.042	13.4	17.5
421275 2013 SC_{76}			6 10.4 181°.56		2°.0/10.8 17	
5 11	17 42.57	−28 50.3	1.823	2.705	12.7	21.3
5 21	17 35.42	−28 50.1	1.755	2.706	9.1	21.1
5 31	17 26.11	−28 42.2	1.711	2.707	5.2	20.9
6 10	17 15.60	−28 25.4	1.694	2.706	2.0	20.6
6 20	17 5.07	−28 0.4	1.704	2.706	4.5	20.8
6 30	16 55.71	−27 29.6	1.741	2.705	8.5	21.0
7 10	16 48.47	−26 56.9	1.802	2.704	12.2	21.3
7 20	16 43.88	−26 25.9	1.883	2.702	15.3	21.5
341253 2007 RS_{214}			6 10.4 257°.98		1°.7/10.8 17	
5 11	17 39.61	−28 5.4	2.002	2.886	11.7	21.5
5 21	17 33.29	−28 8.0	1.926	2.878	8.4	21.3
5 31	17 24.99	−28 4.4	1.874	2.870	4.7	21.1
6 10	17 15.57	−27 53.5	1.849	2.862	1.7	20.8
6 20	17 6.02	−27 35.7	1.851	2.853	4.2	21.0
6 30	16 57.42	−27 12.9	1.880	2.845	7.9	21.2
7 10	16 50.65	−26 48.0	1.933	2.836	11.5	21.4
7 20	16 46.27	−26 24.0	2.008	2.827	14.5	21.6
64378 2001 UE_{122}			6 10.4 144°.63		0°.2/10.4 18	
5 11	17 38.04	−23 29.5	2.451	3.333	9.9	20.4
5 21	17 31.78	−23 32.8	2.386	3.339	6.9	20.2
5 31	17 24.04	−23 34.0	2.347	3.346	3.6	20.0
6 10	17 15.53	−23 32.8	2.336	3.351	0.2	19.7
6 20	17 7.01	−23 29.5	2.354	3.357	3.3	20.0
6 30	16 59.28	−23 25.0	2.399	3.362	6.6	20.2
7 10	16 52.99	−23 20.7	2.471	3.367	9.5	20.4
7 20	16 48.59	−23 17.9	2.565	3.372	12.0	20.6
99448 2002 CF_{30}			6 10.4 270°.01		1°.2/10.5 18	
5 11	17 43.53	−24 33.1	1.501	2.394	14.3	19.6
5 21	17 36.79	−24 59.6	1.416	2.373	10.3	19.3
5 31	17 27.18	−25 24.3	1.353	2.352	5.6	19.0
6 10	17 15.66	−25 44.6	1.316	2.330	1.2	18.6
6 20	17 3.60	−25 58.7	1.304	2.308	5.2	18.8
6 30	16 52.56	−26 6.9	1.318	2.286	10.3	19.1
7 10	16 43.89	−26 11.7	1.354	2.263	15.0	19.3
7 20	16 38.48	−26 16.1	1.410	2.239	19.0	19.5
236795 2007 PQ_{42}			6 10.4 165°.84		2°.5/10.0 18	
5 11	17 38.24	−16 33.9	1.938	2.827	11.8	20.4
5 21	17 32.18	−16 22.8	1.873	2.828	8.4	20.2
5 31	17 24.35	−16 14.8	1.833	2.828	4.8	20.0
6 10	17 15.54	−16 10.8	1.818	2.829	2.5	19.8
6 20	17 6.69	−16 11.6	1.831	2.829	4.8	20.0
6 30	16 58.76	−16 17.7	1.871	2.830	8.4	20.2
7 10	16 52.52	−16 29.5	1.934	2.830	11.8	20.4
7 20	16 48.49	−16 47.0	2.018	2.830	14.7	20.6
207491 2006 HS_{59}			6 10.4 32°.53		2°.1/10.1 17	
5 11	17 39.98	−19 35.6	1.152	2.063	16.3	20.1
5 21	17 34.15	−19 17.2	1.104	2.069	11.5	19.8
5 31	17 25.59	−19 0.0	1.076	2.076	6.2	19.5
6 10	17 15.59	−18 45.3	1.070	2.084	2.1	19.3
6 20	17 5.67	−18 34.8	1.089	2.092	6.0	19.6
6 30	16 57.34	−18 30.2	1.130	2.101	11.2	19.9
7 10	16 51.73	−18 33.1	1.191	2.110	15.8	20.2
7 20	16 49.38	−18 43.6	1.271	2.120	19.6	20.4
68691 2002 CO_{165}			6 10.4 332°.77		0°.2/10.4 18	
5 11	17 37.65	−21 38.5	1.360	2.267	14.6	18.5
5 21	17 32.59	−21 59.0	1.288	2.253	10.3	18.2
5 31	17 24.90	−22 20.6	1.238	2.240	5.5	17.9
6 10	17 15.57	−22 42.0	1.212	2.227	0.3	17.4
6 20	17 5.92	−23 2.2	1.210	2.215	5.1	17.8
6 30	16 57.39	−23 21.2	1.232	2.205	10.3	18.0
7 10	16 51.22	−23 40.1	1.275	2.195	14.9	18.3
7 20	16 48.16	−24 0.1	1.336	2.186	18.8	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
12293 1991 NV_1			6 10.4 242.°68		0.°5/10.3 18	
	h m	° ′			°	m
5 11	17 41.54	−23 25.0	1.680	2.572	13.1	17.6
5 21	17 34.84	−22 58.0	1.604	2.562	9.3	17.4
5 31	17 25.88	−22 26.5	1.552	2.552	4.9	17.1
6 10	17 15.61	−21 51.2	1.526	2.541	0.5	16.7
6 20	17 5.21	−21 14.1	1.527	2.531	4.7	17.0
6 30	16 55.92	−20 38.3	1.554	2.519	9.2	17.3
7 10	16 48.73	−20 7.0	1.605	2.508	13.3	17.5
7 20	16 44.26	−19 42.9	1.675	2.496	16.8	17.7
368947 2006 XD_{60}			6 10.4 210.°14		0.°7/10.5 17	
5 11	17 41.99	−24 38.3	1.951	2.835	11.9	21.7
5 21	17 34.97	−24 47.2	1.876	2.830	8.4	21.5
5 31	17 25.89	−24 52.9	1.826	2.824	4.5	21.3
6 10	17 15.62	−24 54.3	1.803	2.818	0.7	21.0
6 20	17 5.20	−24 51.3	1.807	2.811	4.1	21.2
6 30	16 55.74	−24 45.1	1.839	2.803	8.2	21.4
7 10	16 48.16	−24 37.8	1.895	2.795	11.8	21.6
7 20	16 43.05	−24 31.9	1.973	2.786	14.9	21.8
434112 2002 PQ_5			6 10.4 305.°74		1.°4/10.1 18	
5 11	17 37.93	−21 31.5	1.685	2.582	12.8	20.6
5 21	17 32.43	−20 57.2	1.596	2.556	9.1	20.4
5 31	17 24.70	−20 19.6	1.531	2.531	4.9	20.1
6 10	17 15.58	−19 40.0	1.492	2.506	1.4	19.8
6 20	17 6.17	−19 0.8	1.478	2.481	5.0	19.9
6 30	16 57.65	−18 25.1	1.490	2.456	9.5	20.1
7 10	16 51.07	−17 55.9	1.525	2.431	13.7	20.3
7 20	16 47.11	−17 35.4	1.580	2.407	17.4	20.5
93784 2000 WX_{33}			6 10.4 226.°48		0.°9/10.3 18	
5 11	17 40.27	−20 2.5	2.425	3.303	10.1	19.9
5 21	17 33.48	−20 5.6	2.338	3.290	7.1	19.7
5 31	17 25.04	−20 8.9	2.278	3.276	3.8	19.4
6 10	17 15.61	−20 12.3	2.246	3.261	0.9	19.2
6 20	17 6.00	−20 15.9	2.244	3.245	3.7	19.4
6 30	16 57.05	−20 20.3	2.270	3.229	7.1	19.5
7 10	16 49.54	−20 26.3	2.321	3.212	10.3	19.7
7 20	16 43.97	−20 34.9	2.396	3.194	13.1	19.9
470809 2008 VE_{16}			6 10.4 50.°11		4.°5/ 9.2 17	
5 11	17 37.86	−14 2.6	1.711	2.602	12.9	21.1
5 21	17 31.97	−13 3.8	1.655	2.607	9.4	20.9
5 31	17 24.24	−12 9.4	1.623	2.613	6.1	20.7
6 10	17 15.58	−11 22.8	1.616	2.619	4.5	20.6
6 20	17 6.98	−10 47.1	1.636	2.624	6.5	20.8
6 30	16 59.46	−10 24.3	1.681	2.630	9.9	21.0
7 10	16 53.80	−10 14.9	1.749	2.637	13.2	21.2
7 20	16 50.46	−10 18.1	1.836	2.643	16.1	21.4
2109 Dhotel			6 10.4 294.°61		5.°2/ 9.4 18	
5 11	17 37.87	−11 10.0	1.769	2.655	12.9	16.0
5 21	17 32.29	−10 35.5	1.680	2.627	9.7	15.8
5 31	17 24.62	−10 7.6	1.613	2.599	6.6	15.5
6 10	17 15.61	− 9 49.4	1.572	2.571	5.2	15.4
6 20	17 6.24	− 9 43.1	1.557	2.543	7.1	15.4
6 30	16 57.61	− 9 50.0	1.566	2.514	10.6	15.6
7 10	16 50.70	−10 10.1	1.599	2.486	14.3	15.7
7 20	16 46.20	−10 42.2	1.650	2.458	17.6	15.9
145417 2005 PC_2			6 10.4 310.°12		3.°0/ 9.7 18	
5 11	17 33.41	−12 53.1	2.694	3.574	9.2	19.3
5 21	17 28.56	−12 40.8	2.604	3.551	6.7	19.1
5 31	17 22.43	−12 32.9	2.539	3.528	4.3	18.9
6 10	17 15.52	−12 30.6	2.502	3.505	3.0	18.8
6 20	17 8.46	−12 34.5	2.493	3.482	4.5	18.9
6 30	17 1.90	−12 45.2	2.510	3.460	7.1	19.0
7 10	16 56.43	−13 2.5	2.553	3.438	9.7	19.2
7 20	16 52.51	−13 25.9	2.618	3.415	12.1	19.3
477682 2010 RL_{16}			6 10.4 262.°61		3.°2/11.3 18	
5 11	17 39.27	−33 35.6	2.279	3.149	11.0	20.9
5 21	17 32.91	−33 34.9	2.203	3.143	8.1	20.7
5 31	17 24.75	−33 24.3	2.152	3.138	5.2	20.5
6 10	17 15.62	−33 2.8	2.127	3.132	3.2	20.3
6 20	17 6.45	−32 30.8	2.131	3.126	4.5	20.4
6 30	16 58.21	−31 50.6	2.161	3.121	7.4	20.6
7 10	16 51.69	−31 5.8	2.217	3.115	10.4	20.8
7 20	16 47.40	−30 20.3	2.295	3.109	13.1	20.9
425565 2010 RX_{171}			6 10.4 188.°75		1.°4/10.2 17	
5 11	17 41.85	−19 56.7	1.899	2.784	12.1	21.9
5 21	17 34.79	−19 41.3	1.829	2.784	8.6	21.7
5 31	17 25.77	−19 25.6	1.785	2.783	4.6	21.5
6 10	17 15.67	−19 10.2	1.767	2.781	1.4	21.2
6 20	17 5.52	−18 56.1	1.777	2.778	4.5	21.5
6 30	16 56.37	−18 45.0	1.815	2.775	8.5	21.7
7 10	16 49.09	−18 38.4	1.876	2.772	12.1	21.9
7 20	16 44.21	−18 37.3	1.959	2.767	15.2	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
36942 2000 SK_{241}			6 10.4 286.°02		1.°3/10.5 18	
	h m	° ′			°	m
5 11	17 42.27	−25 11.5	1.377	2.276	14.9	19.0
5 21	17 36.08	−25 27.2	1.294	2.255	10.8	18.7
5 31	17 26.89	−25 39.4	1.233	2.233	5.9	18.4
6 10	17 15.73	−25 45.9	1.196	2.211	1.3	18.0
6 20	17 4.02	−25 45.5	1.184	2.189	5.5	18.2
6 30	16 53.44	−25 39.7	1.196	2.166	10.8	18.4
7 10	16 45.40	−25 31.7	1.230	2.144	15.7	18.7
7 20	16 40.77	−25 25.0	1.281	2.122	19.9	18.9
507060 2008 WC_{16}			6 10.4 215.°05		3.°0/10.8 17	
5 11	17 41.47	−30 41.3	2.031	2.908	11.8	21.9
5 21	17 34.66	−31 6.0	1.958	2.904	8.6	21.7
5 31	17 25.78	−31 23.4	1.910	2.900	5.3	21.5
6 10	17 15.69	−31 31.2	1.888	2.896	3.0	21.3
6 20	17 5.46	−31 28.7	1.894	2.891	4.7	21.4
6 30	16 56.21	−31 17.2	1.926	2.886	8.1	21.6
7 10	16 48.87	−30 59.7	1.983	2.881	11.4	21.8
7 20	16 44.02	−30 39.7	2.061	2.875	14.3	22.0
128468 2004 OK_{11}			6 10.4 301.°68		2.°2/10.6 18	
5 11	17 38.71	−27 54.3	2.074	2.958	11.3	19.8
5 21	17 32.81	−28 27.7	1.987	2.939	8.2	19.6
5 31	17 24.87	−28 57.4	1.925	2.920	4.7	19.4
6 10	17 15.66	−29 20.9	1.890	2.901	2.2	19.1
6 20	17 6.13	−29 37.0	1.882	2.882	4.4	19.3
6 30	16 57.35	−29 45.8	1.900	2.863	8.0	19.4
7 10	16 50.28	−29 49.1	1.943	2.845	11.5	19.6
7 20	16 45.56	−29 49.3	2.008	2.827	14.5	19.8
380610 2004 TE_{96}			6 10.4 135.°98		3.°8/10.9 17	
5 11	17 42.53	−32 11.9	1.886	2.762	12.6	20.7
5 21	17 35.49	−32 46.2	1.823	2.767	9.3	20.5
5 31	17 26.23	−33 11.6	1.783	2.771	5.9	20.3
6 10	17 15.72	−33 25.2	1.770	2.775	3.8	20.2
6 20	17 5.13	−33 25.9	1.784	2.779	5.4	20.3
6 30	16 55.69	−33 15.3	1.825	2.783	8.7	20.5
7 10	16 48.37	−32 57.0	1.889	2.786	11.9	20.7
7 20	16 43.75	−32 35.1	1.974	2.790	14.8	20.9
184734 2005 SC_{190}			6 10.4 303.°16		0.°9/10.3 18	R
5 11	17 36.81	−20 50.0	2.074	2.965	11.0	20.4
5 21	17 31.23	−20 41.9	1.999	2.956	7.8	20.2
5 31	17 23.92	−20 33.3	1.948	2.947	4.1	20.0
6 10	17 15.63	−20 24.6	1.923	2.938	0.9	19.7
6 20	17 7.21	−20 16.5	1.926	2.929	4.0	19.9
6 30	16 59.60	−20 10.2	1.956	2.921	7.7	20.1
7 10	16 53.58	−20 7.0	2.010	2.912	11.1	20.3
7 20	16 49.67	−20 7.8	2.086	2.904	14.1	20.5
353710 2011 VH_1			6 10.4 172.°86		3.°7/11.4 18	
5 11	17 40.00	−35 9.3	2.450	3.313	10.6	21.2
5 21	17 33.34	−35 20.6	2.380	3.314	8.0	21.0
5 31	17 24.96	−35 22.0	2.335	3.315	5.3	20.9
6 10	17 15.67	−35 12.0	2.317	3.316	3.7	20.8
6 20	17 6.37	−34 50.7	2.326	3.317	4.7	20.8
6 30	16 57.98	−34 19.8	2.364	3.317	7.2	21.0
7 10	16 51.26	−33 42.7	2.426	3.317	9.9	21.2
7 20	16 46.69	−33 3.2	2.511	3.318	12.3	21.3
214978 2008 AG_{68}			6 10.4 31.°34		3.°6/ 9.9 17	
5 11	17 36.59	−13 0.2	1.984	2.870	11.7	20.2
5 21	17 30.99	−12 50.3	1.923	2.873	8.5	20.0
5 31	17 23.75	−12 46.7	1.887	2.877	5.3	19.8
6 10	17 15.62	−12 50.4	1.876	2.881	3.6	19.7
6 20	17 7.48	−13 2.0	1.893	2.885	5.3	19.8
6 30	17 0.19	−13 21.3	1.935	2.890	8.5	20.0
7 10	16 54.50	−13 47.9	2.002	2.894	11.6	20.2
7 20	16 50.88	−14 20.6	2.089	2.899	14.3	20.4
140198 2001 SH_{221}			6 10.4 346.°82		1.°5/10.2 18	
5 11	17 37.37	−19 32.2	1.930	2.822	11.6	19.6
5 21	17 31.65	−19 19.7	1.864	2.821	8.2	19.4
5 31	17 24.13	−19 7.8	1.821	2.820	4.4	19.1
6 10	17 15.64	−18 57.1	1.805	2.819	1.5	18.9
6 20	17 7.10	−18 48.6	1.816	2.818	4.3	19.1
6 30	16 59.48	−18 43.4	1.853	2.817	8.1	19.4
7 10	16 53.55	−18 42.6	1.914	2.816	11.6	19.6
7 20	16 49.84	−18 47.0	1.997	2.816	14.6	19.8
470758 2008 UC_{168}			6 10.4 254.°48		0.°5/10.5 18	
5 11	17 40.12	−23 58.5	1.947	2.834	11.8	21.5
5 21	17 33.75	−24 10.6	1.868	2.823	8.4	21.3
5 31	17 25.33	−24 20.5	1.813	2.812	4.4	21.0
6 10	17 15.70	−24 27.1	1.786	2.801	0.6	20.7
6 20	17 5.86	−24 30.1	1.785	2.789	4.1	21.0
6 30	16 56.89	−24 30.4	1.812	2.777	8.2	21.2
7 10	16 49.73	−24 29.7	1.862	2.765	11.8	21.4
7 20	16 44.98	−24 30.0	1.934	2.752	15.0	21.6

436231 2010 AX_{55} 6 10.4 58°.40 4°.7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.42	−10 42.5	1.734	2.619	13.1	20.3
5 21	17 32.41	−10 34.5	1.678	2.626	9.7	20.1
5 31	17 24.53	−10 35.9	1.646	2.633	6.4	19.9
6 10	17 15.67	−10 47.9	1.639	2.640	4.7	19.8
6 20	17 6.81	−11 10.6	1.658	2.648	6.4	19.9
6 30	16 58.97	−11 43.5	1.703	2.655	9.6	20.1
7 10	16 52.96	−12 24.9	1.771	2.663	12.9	20.3
7 20	16 49.27	−13 12.9	1.859	2.670	15.8	20.5

300916 2008 CM_{16} 6 10.4 165°.42 2°.5/ 9.9 17

5 11	17 36.69	−15 15.8	2.577	3.456	9.6	21.7
5 21	17 30.77	−14 59.7	2.510	3.459	6.9	21.5
5 31	17 23.55	−14 46.6	2.470	3.462	4.1	21.3
6 10	17 15.64	−14 37.4	2.458	3.465	2.5	21.2
6 20	17 7.71	−14 32.9	2.474	3.468	4.1	21.3
6 30	17 0.47	−14 33.6	2.518	3.470	6.9	21.5
7 10	16 54.51	−14 39.9	2.587	3.472	9.6	21.7
7 20	16 50.23	−14 51.7	2.679	3.473	11.9	21.9

148466 2001 BA_{19} 6 10.4 222°.06 1°.1/10.2 18

5 11	17 36.69	−18 47.4	2.826	3.705	8.8	20.6
5 21	17 30.79	−18 48.4	2.745	3.696	6.2	20.4
5 31	17 23.59	−18 50.5	2.690	3.687	3.4	20.2
6 10	17 15.64	−18 53.8	2.664	3.677	1.1	20.0
6 20	17 7.59	−18 58.3	2.667	3.667	3.3	20.2
6 30	17 0.11	−19 4.6	2.698	3.657	6.2	20.4
7 10	16 53.79	−19 13.1	2.756	3.646	8.9	20.5
7 20	16 49.07	−19 24.4	2.837	3.635	11.3	20.7

250117 2002 NZ_5 6 10.4 138°.26 10°.9/14.6 18

5 11	17 57.37	−47 58.2	1.096	1.945	21.5	20.0
5 21	17 47.30	−47 41.1	1.038	1.950	17.8	19.8
5 31	17 32.71	−46 44.9	0.998	1.953	14.0	19.5
6 10	17 16.01	−45 2.6	0.979	1.957	11.2	19.4
6 20	17 0.11	−42 37.4	0.982	1.961	11.3	19.4
6 30	16 47.52	−39 43.8	1.009	1.964	14.2	19.6
7 10	16 39.61	−36 41.8	1.057	1.966	18.1	19.8
7 20	16 36.57	−33 48.0	1.124	1.969	21.9	20.1

206622 2003 WT_{140} 6 10.4 271°.36 0°.4/10.5 18

5 11	17 40.76	−22 28.2	2.008	2.893	11.6	20.2
5 21	17 34.27	−23 2.3	1.920	2.875	8.2	20.0
5 31	17 25.67	−23 36.9	1.858	2.856	4.4	19.7
6 10	17 15.74	−24 10.3	1.823	2.838	0.5	19.4
6 20	17 5.45	−24 40.9	1.815	2.819	4.1	19.6
6 30	16 55.89	−25 8.2	1.836	2.800	8.2	19.8
7 10	16 48.04	−25 32.8	1.880	2.780	11.9	20.0
7 20	16 42.58	−25 56.0	1.947	2.761	15.1	20.2

410790 2009 HE_{23} 6 10.4 185°.80 4°.8/ 9.7 17

5 11	17 40.87	−12 6.7	1.607	2.494	13.9	21.1
5 21	17 34.31	−11 38.9	1.544	2.494	10.3	20.9
5 31	17 25.61	−11 18.6	1.505	2.493	6.7	20.7
6 10	17 15.74	−11 8.3	1.491	2.493	4.8	20.6
6 20	17 5.80	−11 9.2	1.502	2.492	6.8	20.7
6 30	16 56.96	−11 22.0	1.539	2.491	10.5	20.9
7 10	16 50.16	−11 45.9	1.599	2.489	14.1	21.1
7 20	16 45.95	−12 19.3	1.678	2.487	17.3	21.3

77988 2002 JR_{31} 6 10.4 345°.84 0°.2/10.4 18

5 11	17 35.26	−21 27.1	0.974	1.898	17.2	18.2
5 21	17 31.57	−21 48.9	0.913	1.885	12.3	17.9
5 31	17 24.65	−22 12.9	0.870	1.874	6.5	17.6
6 10	17 15.70	−22 37.6	0.848	1.863	0.3	17.1
6 20	17 6.38	−23 1.7	0.848	1.855	6.1	17.5
6 30	16 58.54	−23 24.8	0.868	1.848	12.1	17.8
7 10	16 53.69	−23 48.2	0.906	1.844	17.5	18.0
7 20	16 52.65	−24 12.7	0.961	1.841	22.0	18.3

276222 2002 QO_{123} 6 10.4 281°.71 2°.0/10.2 18

5 11	17 38.18	−17 34.3	1.898	2.788	11.9	20.9
5 21	17 32.31	−17 30.3	1.825	2.780	8.5	20.7
5 31	17 24.55	−17 29.0	1.775	2.772	4.7	20.5
6 10	17 15.70	−17 30.8	1.752	2.764	2.0	20.3
6 20	17 6.70	−17 36.3	1.756	2.756	4.7	20.4
6 30	16 58.56	−17 45.9	1.786	2.748	8.5	20.6
7 10	16 52.15	−18 0.1	1.840	2.740	12.1	20.8
7 20	16 48.01	−18 19.2	1.915	2.733	15.2	21.0

210768 2000 XR_{53} 6 10.4 206°.76 0°.9/10.3 17

5 11	17 42.45	−21 37.8	1.739	2.628	12.9	21.1
5 21	17 35.43	−21 22.0	1.668	2.624	9.1	20.8
5 31	17 26.22	−21 4.2	1.620	2.619	4.8	20.5
6 10	17 15.77	−20 45.0	1.599	2.614	0.9	20.2
6 20	17 5.22	−20 25.4	1.605	2.608	4.6	20.5
6 30	16 55.75	−20 7.5	1.637	2.601	9.0	20.8
7 10	16 48.34	−19 53.7	1.694	2.594	12.9	21.0
7 20	16 43.56	−19 45.6	1.770	2.586	16.3	21.2

47268 1999 VJ_{119} 6 10.4 34°.80 4°.7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 42.02	−31 42.2	1.131	2.034	17.2	18.7
5 21	17 35.90	−32 17.6	1.089	2.046	12.6	18.5
5 31	17 26.66	−32 40.2	1.067	2.060	7.9	18.3
6 10	17 15.78	−32 46.3	1.066	2.074	4.8	18.1
6 20	17 5.07	−32 35.2	1.089	2.089	6.9	18.3
6 30	16 56.27	−32 10.7	1.135	2.105	11.3	18.6
7 10	16 50.60	−31 39.0	1.201	2.122	15.5	18.9
7 20	16 48.56	−31 6.0	1.284	2.139	19.1	19.2

302357 2002 BE_{26} 6 10.4 92°.73 7°.9/10.1 18

5 11	17 54.64	−36 53.4	1.491	2.353	16.1	20.3
5 21	17 44.79	−38 59.7	1.450	2.377	12.6	20.1
5 31	17 31.44	−40 50.5	1.433	2.400	9.4	20.0
6 10	17 16.00	−42 15.9	1.442	2.423	7.9	20.0
6 20	17 0.40	−43 10.7	1.477	2.446	9.2	20.1
6 30	16 46.62	−43 36.1	1.537	2.468	12.1	20.3
7 10	16 36.19	−43 39.1	1.619	2.489	15.1	20.6
7 20	16 29.80	−43 28.1	1.720	2.510	17.7	20.8

438187 2005 UT_{13} 6 10.4 325°.09 3°.9/ 9.4 16

5 11	17 35.74	−13 47.7	2.006	2.894	11.5	21.0
5 21	17 30.44	−13 3.4	1.936	2.887	8.4	20.8
5 31	17 23.50	−12 23.0	1.891	2.881	5.4	20.6
6 10	17 15.66	−11 49.1	1.872	2.875	3.9	20.5
6 20	17 7.77	−11 23.9	1.880	2.869	5.8	20.6
6 30	17 0.69	−11 9.0	1.914	2.864	8.9	20.8
7 10	16 55.17	−11 4.9	1.972	2.859	12.0	21.0
7 20	16 51.68	−11 11.1	2.049	2.854	14.8	21.2

99226 2001 HO_{60} 6 10.4 39°.47 5°.3/10.2 18

5 11	17 38.17	− 8 50.3	1.664	2.547	13.7	18.9
5 21	17 32.29	− 8 48.6	1.610	2.555	10.3	18.7
5 31	17 24.51	− 8 58.8	1.580	2.563	7.0	18.6
6 10	17 15.71	− 9 21.9	1.574	2.572	5.3	18.5
6 20	17 6.92	− 9 57.6	1.594	2.581	6.9	18.6
6 30	16 59.17	−10 44.5	1.639	2.590	10.0	18.8
7 10	16 53.31	−11 40.2	1.708	2.600	13.3	19.0
7 20	16 49.82	−12 41.9	1.796	2.609	16.2	19.2

499759 2011 BB_{118} 6 10.4 195°.93 2°.3/10.8 17

5 11	17 42.86	−28 38.8	1.879	2.760	12.4	21.7
5 21	17 35.73	−29 1.2	1.808	2.758	9.0	21.5
5 31	17 26.40	−29 17.3	1.762	2.756	5.2	21.3
6 10	17 15.80	−29 25.0	1.742	2.754	2.4	21.1
6 20	17 5.06	−29 23.5	1.750	2.751	4.6	21.2
6 30	16 55.39	−29 14.3	1.785	2.747	8.5	21.4
7 10	16 47.77	−29 0.4	1.843	2.743	12.1	21.6
7 20	16 42.79	−28 45.2	1.923	2.739	15.2	21.8

2653 Principia 6 10.4 99°.32 2°.9/ 9.9 18 R

5 11	17 40.63	−17 5.1	1.571	2.465	13.7	15.9
5 21	17 34.10	−16 35.8	1.517	2.474	9.8	15.7
5 31	17 25.47	−16 9.2	1.486	2.482	5.6	15.5
6 10	17 15.76	−15 47.3	1.480	2.491	2.9	15.3
6 20	17 6.12	−15 31.5	1.501	2.499	5.6	15.5
6 30	16 57.71	−15 23.6	1.546	2.507	9.7	15.8
7 10	16 51.43	−15 24.4	1.615	2.515	13.5	16.0
7 20	16 47.76	−15 33.6	1.703	2.523	16.7	16.3

145708 1981 EB_{32} 6 10.4 63°.87 0°.5/10.3 18

5 11	17 37.41	−22 56.8	2.174	3.061	10.7	19.7
5 21	17 31.50	−22 29.3	2.107	3.063	7.5	19.5
5 31	17 24.01	−21 59.0	2.066	3.065	3.9	19.3
6 10	17 15.69	−21 26.7	2.052	3.067	0.5	19.0
6 20	17 7.40	−20 54.2	2.066	3.069	3.7	19.3
6 30	16 59.99	−20 23.5	2.108	3.071	7.3	19.5
7 10	16 54.16	−19 56.7	2.174	3.073	10.5	19.7
7 20	16 50.35	−19 35.5	2.262	3.076	13.3	19.9

434357 2004 RC_{350} 6 10.4 191°.49 0°.9/10.6 17

5 11	17 40.92	−25 42.4	2.046	2.930	11.5	22.6
5 21	17 34.14	−25 44.2	1.976	2.929	8.1	22.4
5 31	17 25.48	−25 41.7	1.930	2.927	4.4	22.1
6 10	17 15.76	−25 34.1	1.911	2.925	0.9	21.9
6 20	17 5.98	−25 21.9	1.920	2.923	3.9	22.1
6 30	16 57.15	−25 6.7	1.956	2.921	7.7	22.3
7 10	16 50.12	−24 50.7	2.018	2.918	11.2	22.5
7 20	16 45.41	−24 36.4	2.100	2.914	14.1	22.7

37094 2000 UD_{87} 6 10.4 88°.74 1°.4/10.3 18

5 11	17 40.00	−19 8.2	1.744	2.636	12.7	18.7
5 21	17 33.59	−19 11.5	1.687	2.644	8.9	18.5
5 31	17 25.20	−19 16.4	1.654	2.652	4.8	18.2
6 10	17 15.76	−19 22.9	1.646	2.660	1.4	18.0
6 20	17 6.32	−19 31.0	1.665	2.668	4.5	18.2
6 30	16 57.97	−19 41.3	1.711	2.676	8.6	18.5
7 10	16 51.56	−19 54.4	1.780	2.684	12.3	18.7
7 20	16 47.62	−20 11.0	1.870	2.691	15.3	19.0

277469 2005 VT_{87} 6 10.4 304.°61 0.°9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.30	−24 7.7	2.099	2.987	11.1	20.4
5 21	17 32.41	−24 37.6	2.021	2.976	7.8	20.2
5 31	17 24.64	−25 6.2	1.968	2.966	4.2	19.9
6 10	17 15.75	−25 32.1	1.942	2.956	0.9	19.6
6 20	17 6.64	−25 54.0	1.943	2.946	3.9	19.8
6 30	16 58.30	−26 12.1	1.971	2.937	7.6	20.1
7 10	16 51.60	−26 27.2	2.025	2.927	11.0	20.3
7 20	16 47.11	−26 40.9	2.099	2.918	14.0	20.4

359997 2012 VJ_{107} 6 10.5 211.°92 3.°4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 38.61	−12 17.1	2.137	3.016	11.3	20.6
5 21	17 32.41	−12 23.8	2.067	3.013	8.3	20.4
5 31	17 24.55	−12 37.5	2.021	3.010	5.2	20.3
6 10	17 15.75	−12 58.7	2.002	3.007	3.4	20.1
6 20	17 6.83	−13 26.9	2.011	3.004	5.1	20.2
6 30	16 58.69	−14 1.7	2.047	3.000	8.2	20.4
7 10	16 52.06	−14 42.1	2.109	2.997	11.3	20.6
7 20	16 47.45	−15 26.9	2.191	2.993	14.0	20.8

316950 2001 DT_{34} 6 10.5 172.°43 3.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 41.84	−14 18.9	1.957	2.837	12.1	21.5
5 21	17 34.70	−13 58.4	1.893	2.841	8.8	21.2
5 31	17 25.74	−13 42.4	1.853	2.844	5.3	21.0
6 10	17 15.80	−13 32.2	1.840	2.847	3.4	20.9
6 20	17 5.84	−13 28.8	1.855	2.848	5.4	21.1
6 30	16 56.85	−13 33.0	1.898	2.849	8.8	21.3
7 10	16 49.62	−13 45.0	1.964	2.849	12.1	21.5
7 20	16 44.66	−14 4.2	2.052	2.849	15.0	21.7

428824 2008 TH_{109} 6 10.5 346.°04 8.°8/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 34.37	− 6 15.1	1.245	2.142	16.3	20.1
5 21	17 30.21	− 5 21.6	1.185	2.131	12.9	19.9
5 31	17 23.65	− 4 43.6	1.144	2.121	10.0	19.7
6 10	17 15.71	− 4 26.6	1.126	2.113	8.8	19.6
6 20	17 7.60	− 4 33.6	1.129	2.105	10.4	19.6
6 30	17 0.62	− 5 4.9	1.153	2.099	13.7	19.8
7 10	16 55.87	− 5 57.2	1.197	2.094	17.3	20.0
7 20	16 53.97	− 7 5.7	1.257	2.091	20.6	20.2

67644 2000 SK_{220} 6 10.5 225.°94 3.°7/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 41.93	−13 48.7	1.725	2.609	13.2	19.8
5 21	17 35.11	−13 38.6	1.650	2.600	9.7	19.6
5 31	17 26.12	−13 34.6	1.598	2.590	5.9	19.4
6 10	17 15.83	−13 37.9	1.573	2.580	3.7	19.2
6 20	17 5.33	−13 49.1	1.575	2.569	5.9	19.3
6 30	16 55.77	−14 8.6	1.602	2.558	9.8	19.5
7 10	16 48.16	−14 35.9	1.654	2.546	13.6	19.7
7 20	16 43.10	−15 10.3	1.725	2.533	16.9	19.9

507657 2013 QV_{9} 6 10.5 276.°76 0.°6/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 41.79	−24 47.5	1.646	2.538	13.3	22.3
5 21	17 35.37	−24 44.6	1.558	2.515	9.5	22.0
5 31	17 26.42	−24 37.2	1.492	2.492	5.1	21.7
6 10	17 15.86	−24 24.6	1.453	2.468	0.6	21.3
6 20	17 4.89	−24 7.1	1.439	2.444	4.7	21.5
6 30	16 54.88	−23 46.6	1.452	2.419	9.6	21.8
7 10	16 47.01	−23 26.5	1.487	2.394	14.0	22.0
7 20	16 42.03	−23 9.8	1.542	2.369	17.8	22.1

112348 2002 NU_{10} 6 10.5 358.°24 1.°5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 35.40	−21 16.6	0.990	1.914	17.1	19.3
5 21	17 31.44	−20 56.4	0.937	1.909	12.1	19.0
5 31	17 24.46	−20 35.2	0.902	1.905	6.5	18.7
6 10	17 15.77	−20 14.4	0.889	1.904	1.5	18.3
6 20	17 6.98	−19 56.4	0.897	1.903	6.2	18.6
6 30	16 59.78	−19 43.8	0.926	1.905	11.9	19.0
7 10	16 55.47	−19 39.1	0.974	1.908	17.0	19.2
7 20	16 54.65	−19 42.9	1.038	1.912	21.2	19.5

448578 2010 TC_{18} 6 10.5 289.°48 3.°7/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 39.51	−34 6.4	2.188	3.058	11.4	21.5
5 21	17 33.33	−34 17.7	2.102	3.041	8.5	21.3
5 31	17 25.15	−34 19.2	2.040	3.024	5.6	21.1
6 10	17 15.80	−34 8.8	2.004	3.007	3.7	21.0
6 20	17 6.26	−33 46.3	1.996	2.990	5.0	21.0
6 30	16 57.59	−33 13.5	2.015	2.973	8.0	21.1
7 10	16 50.70	−32 34.1	2.058	2.955	11.1	21.3
7 20	16 46.18	−31 52.0	2.122	2.938	13.9	21.5

205623 2001 VC_{16} 6 10.5 256.°73 1.°8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 44.50	−25 55.9	1.496	2.387	14.4	20.5
5 21	17 37.53	−26 25.9	1.415	2.372	10.4	20.2
5 31	17 27.66	−26 52.6	1.357	2.355	5.8	19.9
6 10	17 15.92	−27 12.8	1.325	2.338	1.8	19.6
6 20	17 3.71	−27 24.7	1.318	2.321	5.3	19.8
6 30	16 52.61	−27 28.9	1.336	2.303	10.3	20.0
7 10	16 43.97	−27 28.3	1.378	2.285	14.8	20.2
7 20	16 38.61	−27 26.5	1.438	2.267	18.7	20.4

156437 2002 AS_{136} 6 10.5 15.°06 0.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.81	−25 51.4	1.364	2.268	14.7	19.0
5 21	17 33.21	−25 27.6	1.308	2.271	10.4	18.7
5 31	17 25.15	−24 57.0	1.274	2.275	5.5	18.5
6 10	17 15.80	−24 20.5	1.264	2.279	0.6	18.1
6 20	17 6.51	−23 40.3	1.279	2.284	4.9	18.4
6 30	16 58.64	−23 0.3	1.318	2.290	9.8	18.7
7 10	16 53.21	−22 24.4	1.379	2.297	14.1	19.0
7 20	16 50.73	−21 55.6	1.458	2.304	17.7	19.3

386773 2010 CB_{223} 6 10.5 68.°63 6.°5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 36.69	− 6 13.4	1.960	2.832	12.4	20.9
5 21	17 31.06	− 5 26.7	1.902	2.834	9.7	20.7
5 31	17 23.83	− 4 50.8	1.867	2.836	7.4	20.6
6 10	17 15.75	− 4 28.7	1.857	2.838	6.5	20.5
6 20	17 7.66	− 4 22.2	1.874	2.841	7.8	20.6
6 30	17 0.43	− 4 31.7	1.915	2.843	10.2	20.7
7 10	16 54.78	− 4 56.0	1.979	2.845	12.9	20.9
7 20	16 51.15	− 5 32.5	2.063	2.847	15.3	21.1

46175 2001 FR_{93} 6 10.5 103.°79 3.°9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 41.03	−13 48.7	1.518	2.409	14.3	19.5
5 21	17 34.49	−13 39.2	1.462	2.416	10.3	19.3
5 31	17 25.76	−13 36.9	1.429	2.422	6.3	19.1
6 10	17 15.83	−13 42.9	1.421	2.429	3.9	18.9
6 20	17 5.91	−13 57.6	1.439	2.435	6.2	19.1
6 30	16 57.20	−14 20.8	1.482	2.441	10.2	19.3
7 10	16 50.64	−14 51.8	1.547	2.447	14.0	19.6
7 20	16 46.78	−15 29.3	1.632	2.453	17.2	19.8

235172 2003 SV_{51} 6 10.5 216.°46 4.°4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 42.62	−34 53.1	2.135	3.001	11.8	20.3
5 21	17 35.55	−35 28.8	2.061	2.996	9.0	20.1
5 31	17 26.34	−35 54.6	2.011	2.991	6.1	19.9
6 10	17 15.87	−36 7.5	1.988	2.985	4.4	19.8
6 20	17 5.22	−36 6.2	1.991	2.979	5.6	19.8
6 30	16 55.55	−35 52.1	2.022	2.973	8.4	20.0
7 10	16 47.81	−35 28.7	2.077	2.967	11.4	20.1
7 20	16 42.62	−35 0.2	2.153	2.960	14.1	20.3

12997 1981 EV_{29} 6 10.5 8.°59 7.°6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 36.27	− 9 43.5	1.351	2.249	15.2	18.7
5 21	17 31.26	− 8 12.2	1.300	2.250	11.7	18.4
5 31	17 24.07	− 6 50.4	1.271	2.252	8.7	18.3
6 10	17 15.76	− 5 44.6	1.265	2.255	7.7	18.2
6 20	17 7.50	− 4 59.5	1.283	2.258	9.6	18.3
6 30	17 0.46	− 4 37.6	1.323	2.263	12.9	18.5
7 10	16 55.56	− 4 38.0	1.383	2.268	16.2	18.8
7 20	16 53.32	− 4 57.7	1.461	2.274	19.2	19.0

229600 2006 BW_{270} 6 10.5 119.°24 1.°1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 40.18	−21 24.4	1.936	2.823	11.8	20.3
5 21	17 33.52	−20 56.7	1.878	2.834	8.3	20.1
5 31	17 25.11	−20 27.3	1.845	2.843	4.4	19.9
6 10	17 15.81	−19 57.3	1.839	2.853	1.1	19.7
6 20	17 6.60	−19 28.5	1.860	2.862	4.2	19.9
6 30	16 58.45	−19 3.0	1.909	2.872	8.0	20.2
7 10	16 52.12	−18 42.7	1.982	2.880	11.4	20.4
7 20	16 48.05	−18 28.9	2.076	2.889	14.3	20.6

304757 2007 AB_{19} 6 10.5 169.°57 0.°1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 37.94	−22 46.9	2.852	3.729	8.8	21.4
5 21	17 31.67	−23 2.5	2.782	3.733	6.2	21.3
5 31	17 24.08	−23 17.0	2.738	3.736	3.2	21.1
6 10	17 15.77	−23 29.8	2.723	3.738	0.2	20.8
6 20	17 7.41	−23 40.6	2.738	3.741	2.9	21.1
6 30	16 59.68	−23 49.8	2.781	3.742	5.9	21.3
7 10	16 53.18	−23 58.1	2.851	3.744	8.5	21.4
7 20	16 48.32	−24 6.6	2.945	3.745	10.8	21.6

353886 2012 XY_{9} 6 10.5 148.°19 0.°8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 38.95	−26 21.1	2.542	3.420	9.7	21.2
5 21	17 32.43	−26 14.5	2.477	3.428	6.9	21.1
5 31	17 24.48	−26 3.7	2.439	3.435	3.7	20.9
6 10	17 15.79	−25 48.3	2.428	3.442	0.8	20.6
6 20	17 7.13	−25 29.2	2.446	3.449	3.2	20.9
6 30	16 59.29	−25 7.8	2.493	3.455	6.4	21.1
7 10	16 52.90	−24 46.2	2.565	3.461	9.3	21.3
7 20	16 48.38	−24 26.3	2.661	3.467	11.7	21.4

298171 2002 TO_{154} 6 10.5 336.°95 8.°9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 35.15	− 5 31.9	1.512	2.397	14.7	19.8
5 21	17 30.43	− 4 0.3	1.449	2.386	11.8	19.6
5 31	17 23.67	− 2 40.2	1.409	2.375	9.6	19.5
6 10	17 15.75	− 1 38.4	1.391	2.366	9.0	19.4
6 20	17 7.73	− 0 59.5	1.397	2.357	10.6	19.5
6 30	17 0.70	− 0 45.7	1.425	2.348	13.4	19.6
7 10	16 55.56	− 0 56.0	1.474	2.341	16.4	19.8
7 20	16 52.89	− 1 27.0	1.539	2.334	19.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
304662 2006 WZ_{54}			6 10.5 271.°25		1.°3/10.6 18	
	h m	° ′			°	m
5 11	17 39.46	−25 37.8	2.227	3.109	10.7	20.4
5 21	17 33.21	−26 8.4	2.142	3.094	7.7	20.2
5 31	17 25.09	−26 36.8	2.082	3.079	4.2	19.9
6 10	17 15.82	−27 1.1	2.050	3.064	1.3	19.7
6 20	17 6.28	−27 20.3	2.046	3.048	3.9	19.8
6 30	16 57.46	−27 34.3	2.070	3.033	7.5	20.0
7 10	16 50.20	−27 44.5	2.118	3.017	10.8	20.2
7 20	16 45.12	−27 52.7	2.189	3.001	13.7	20.4
498855 2008 XU_{54}			6 10.5 104.°12		1.°9/10.2 17	
5 11	17 39.43	−17 11.4	2.273	3.154	10.6	22.0
5 21	17 32.75	−17 8.0	2.224	3.175	7.5	21.9
5 31	17 24.62	−17 7.0	2.200	3.196	4.2	21.7
6 10	17 15.80	−17 8.5	2.204	3.216	1.9	21.6
6 20	17 7.07	−17 13.0	2.237	3.236	4.0	21.8
6 30	16 59.25	−17 20.8	2.297	3.255	7.2	22.0
7 10	16 52.96	−17 32.2	2.383	3.274	10.1	22.2
7 20	16 48.60	−17 47.4	2.491	3.292	12.5	22.4
486671 2013 SP			6 10.5 122.°53		19.°4/ 5.1 18	
5 11	17 43.42	+10 21.7	1.072	1.911	22.7	20.6
5 21	17 36.54	+13 9.7	1.045	1.919	20.7	20.5
5 31	17 26.92	+15 19.4	1.035	1.928	19.6	20.5
6 10	17 15.91	+16 39.1	1.043	1.936	19.6	20.5
6 20	17 5.07	+17 4.0	1.068	1.944	20.6	20.6
6 30	16 55.93	+16 36.6	1.108	1.951	22.3	20.7
7 10	16 49.59	+15 26.0	1.163	1.958	24.3	20.9
7 20	16 46.55	+13 43.4	1.229	1.964	26.1	21.1
149748 2004 OY_{2}			6 10.5 260.°39		6.°1/ 9.4 18	
5 11	17 35.78	− 4 10.9	2.364	3.223	11.0	19.8
5 21	17 30.31	− 3 47.5	2.293	3.216	8.8	19.6
5 31	17 23.43	− 3 35.0	2.246	3.208	6.8	19.5
6 10	17 15.77	− 3 35.5	2.225	3.200	6.1	19.4
6 20	17 8.01	− 3 49.8	2.230	3.192	7.0	19.5
6 30	17 0.90	− 4 18.0	2.262	3.184	9.1	19.6
7 10	16 55.08	− 4 58.3	2.318	3.177	11.5	19.7
7 20	16 51.00	− 5 48.6	2.394	3.169	13.7	19.9
90671 5728 $T\text{-}_{3}$			6 10.5 211.°89		3.°2/ 9.9 18	
5 11	17 36.47	−12 17.3	2.472	3.348	10.0	20.1
5 21	17 30.75	−12 11.9	2.401	3.345	7.4	20.0
5 31	17 23.65	−12 12.1	2.355	3.342	4.7	19.8
6 10	17 15.78	−12 18.7	2.336	3.339	3.2	19.7
6 20	17 7.83	−12 32.0	2.346	3.336	4.7	19.8
6 30	17 0.54	−12 52.0	2.383	3.332	7.4	19.9
7 10	16 54.54	−13 18.2	2.446	3.329	10.1	20.1
7 20	16 50.25	−13 49.9	2.530	3.325	12.5	20.3
149040 2002 AG_{194}			6 10.5 101.°13		0.°4/10.4 16	
5 11	17 37.51	−21 48.6	2.213	3.100	10.6	21.0
5 21	17 31.63	−21 48.9	2.146	3.102	7.4	20.8
5 31	17 24.15	−21 48.3	2.104	3.103	3.9	20.5
6 10	17 15.80	−21 46.7	2.090	3.105	0.4	20.3
6 20	17 7.41	−21 44.5	2.103	3.106	3.6	20.5
6 30	16 59.83	−21 42.6	2.143	3.107	7.2	20.7
7 10	16 53.78	−21 42.2	2.208	3.109	10.3	20.9
7 20	16 49.74	−21 44.2	2.296	3.110	13.1	21.1
347743 2002 AN_{59}			6 10.5 145.°17		7.°9/13.9 18	
5 11	17 48.07	−51 28.3	2.641	3.426	12.1	20.3
5 21	17 39.12	−51 38.5	2.576	3.432	10.4	20.2
5 31	17 28.04	−51 28.9	2.533	3.438	8.9	20.1
6 10	17 15.97	−50 56.7	2.514	3.444	7.9	20.0
6 20	17 4.16	−50 1.9	2.521	3.449	8.1	20.1
6 30	16 53.82	−48 47.9	2.555	3.455	9.1	20.1
7 10	16 45.80	−47 20.5	2.613	3.459	10.7	20.3
7 20	16 40.55	−45 46.2	2.694	3.464	12.5	20.4
248082 2004 QY_{21}			6 10.5 311.°07		6.°4/10.9 17	
5 11	17 41.79	−33 59.0	1.142	2.041	17.3	20.1
5 21	17 36.56	−34 43.6	1.063	2.017	13.3	19.7
5 31	17 27.56	−35 15.7	1.003	1.992	9.0	19.4
6 10	17 15.97	−35 28.6	0.965	1.968	6.4	19.2
6 20	17 3.61	−35 18.3	0.948	1.945	8.4	19.2
6 30	16 52.67	−34 46.5	0.953	1.922	13.1	19.4
7 10	16 45.02	−34 0.4	0.977	1.900	18.1	19.6
7 20	16 41.68	−33 8.6	1.018	1.878	22.5	19.8
392030 2009 BS_{32}			6 10.5 149.°81		0.°5/10.6 17	
5 11	17 39.10	−24 45.2	2.013	2.900	11.5	21.7
5 21	17 32.89	−24 43.0	1.946	2.901	8.1	21.5
5 31	17 24.86	−24 37.3	1.904	2.902	4.3	21.3
6 10	17 15.84	−24 27.8	1.888	2.903	0.5	21.0
6 20	17 6.79	−24 15.0	1.900	2.904	3.8	21.3
6 30	16 58.68	−24 0.4	1.939	2.905	7.7	21.5
7 10	16 52.33	−23 46.2	2.003	2.906	11.1	21.7
7 20	16 48.24	−23 34.4	2.088	2.907	14.0	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
490133 2008 UA_{123}			6 10.5 282.°29		3.°7/11.0 16	
	h m	° ′			°	m
5 11	17 41.49	−32 16.4	1.808	2.688	12.9	21.8
5 21	17 35.08	−32 38.2	1.726	2.672	9.6	21.6
5 31	17 26.24	−32 50.7	1.667	2.656	6.1	21.3
6 10	17 15.92	−32 51.0	1.634	2.640	3.8	21.1
6 20	17 5.32	−32 38.3	1.627	2.624	5.5	21.2
6 30	16 55.73	−32 14.3	1.646	2.608	9.1	21.4
7 10	16 48.28	−31 43.0	1.689	2.592	12.8	21.6
7 20	16 43.65	−31 9.1	1.751	2.576	16.1	21.7
292706 2006 UU_{124}			6 10.5 347.°62		3.°5/11.0 16	
5 11	17 38.32	−31 5.3	1.580	2.472	13.7	20.0
5 21	17 32.93	−31 25.3	1.512	2.465	10.1	19.8
5 31	17 25.11	−31 36.2	1.467	2.459	6.2	19.6
6 10	17 15.87	−31 35.5	1.446	2.454	3.5	19.4
6 20	17 6.49	−31 22.9	1.450	2.450	5.5	19.5
6 30	16 58.30	−31 0.4	1.478	2.446	9.4	19.7
7 10	16 52.38	−30 32.2	1.529	2.443	13.3	19.9
7 20	16 49.35	−30 2.4	1.600	2.441	16.6	20.1
471211 2010 VE_{13}			6 10.5 291.°97		1.°2/10.6 15	
5 11	17 38.19	−26 4.7	2.252	3.136	10.6	21.7
5 21	17 32.36	−26 22.4	2.161	3.114	7.6	21.5
5 31	17 24.69	−26 37.1	2.094	3.091	4.2	21.2
6 10	17 15.87	−26 47.4	2.055	3.068	1.3	21.0
6 20	17 6.78	−26 52.7	2.043	3.046	3.8	21.1
6 30	16 58.35	−26 53.6	2.059	3.023	7.4	21.3
7 10	16 51.44	−26 51.8	2.100	3.000	10.8	21.5
7 20	16 46.65	−26 49.2	2.162	2.978	13.7	21.6
423986 2006 VD_{61}			6 10.5 208.°20		0.°5/10.6 17	
5 11	17 42.47	−24 32.8	1.996	2.879	11.8	22.5
5 21	17 35.37	−24 35.7	1.920	2.873	8.3	22.3
5 31	17 26.24	−24 35.2	1.869	2.867	4.4	22.0
6 10	17 15.94	−24 30.5	1.845	2.860	0.6	21.7
6 20	17 5.51	−24 21.7	1.849	2.852	4.0	22.0
6 30	16 56.02	−24 10.2	1.880	2.844	8.0	22.2
7 10	16 48.38	−23 58.5	1.937	2.835	11.7	22.4
7 20	16 43.15	−23 48.6	2.014	2.826	14.7	22.6
423004 2003 SP_{259}			6 10.5 299.°37		1.°9/10.6 18	
5 11	17 41.72	−26 2.8	1.332	2.233	15.2	20.5
5 21	17 35.96	−26 26.0	1.245	2.206	11.0	20.2
5 31	17 27.05	−26 45.5	1.179	2.178	6.2	19.8
6 10	17 15.99	−26 58.5	1.137	2.151	1.9	19.5
6 20	17 4.23	−27 3.2	1.119	2.123	5.7	19.6
6 30	16 53.51	−27 0.4	1.124	2.096	11.2	19.9
7 10	16 45.38	−26 53.5	1.151	2.069	16.3	20.1
7 20	16 40.81	−26 46.4	1.196	2.042	20.7	20.3
512759 2016 UV_{46}			6 10.5 315.°85		3.°4/11.3 17	
5 11	17 39.19	−32 50.7	1.988	2.866	12.0	20.8
5 21	17 33.17	−32 54.9	1.913	2.858	8.9	20.6
5 31	17 25.10	−32 49.0	1.861	2.850	5.6	20.4
6 10	17 15.89	−32 31.6	1.836	2.842	3.4	20.2
6 20	17 6.58	−32 3.0	1.837	2.834	4.9	20.3
6 30	16 58.28	−31 25.5	1.864	2.827	8.2	20.5
7 10	16 51.90	−30 43.1	1.916	2.820	11.5	20.7
7 20	16 47.98	−30 0.0	1.989	2.813	14.4	20.9
289800 2005 JC_{132}			6 10.5 292.°63		4.°7/ 9.8 16	
5 11	17 37.02	−10 16.3	1.978	2.859	11.9	20.7
5 21	17 31.43	− 9 57.7	1.908	2.852	9.0	20.5
5 31	17 24.13	− 9 47.1	1.861	2.845	6.1	20.3
6 10	17 15.85	− 9 46.5	1.841	2.838	4.7	20.2
6 20	17 7.46	− 9 56.8	1.847	2.832	6.2	20.3
6 30	16 59.87	−10 17.9	1.878	2.825	9.2	20.4
7 10	16 53.85	−10 49.1	1.934	2.819	12.3	20.6
7 20	16 49.91	−11 28.7	2.010	2.813	15.1	20.8
128906 2004 TR_{34}			6 10.5 304.°89		0.°0/10.5 18	R
5 11	17 36.95	−23 4.3	2.119	3.009	10.9	20.0
5 21	17 31.45	−23 6.1	2.037	2.993	7.7	19.8
5 31	17 24.18	−23 6.2	1.979	2.978	4.1	19.5
6 10	17 15.85	−23 4.4	1.948	2.963	0.2	19.2
6 20	17 7.34	−23 0.7	1.945	2.949	3.8	19.4
6 30	16 59.58	−22 56.2	1.968	2.934	7.5	19.7
7 10	16 53.39	−22 52.5	2.016	2.920	11.0	19.8
7 20	16 49.31	−22 50.9	2.085	2.906	14.0	20.0
472816 2015 FD_{163}			6 10.5 16.°66		1.°2/10.6 17	
5 11	17 40.22	−24 50.5	1.719	2.612	12.8	20.9
5 21	17 33.99	−25 16.9	1.655	2.612	9.1	20.7
5 31	17 25.58	−25 40.7	1.615	2.614	4.9	20.4
6 10	17 15.92	−26 0.1	1.601	2.615	1.2	20.2
6 20	17 6.15	−26 14.0	1.613	2.616	4.4	20.4
6 30	16 57.45	−26 23.1	1.651	2.618	8.6	20.7
7 10	16 50.80	−26 29.2	1.712	2.620	12.4	20.9
7 20	16 46.78	−26 34.4	1.794	2.622	15.6	21.1

396820 2004 RS_{50} 6 10.5 282°.02 0°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.43	−22 11.0	2.358	3.243	10.1	21.6
5 21	17 31.69	−22 11.8	2.267	3.221	7.2	21.3
5 31	17 24.28	−22 11.5	2.201	3.199	3.8	21.1
6 10	17 15.86	−22 9.9	2.162	3.178	0.3	20.8
6 20	17 7.22	−22 7.3	2.152	3.156	3.6	21.0
6 30	16 59.21	−22 4.4	2.170	3.133	7.1	21.2
7 10	16 52.60	−22 2.5	2.213	3.111	10.4	21.4
7 20	16 47.94	−22 2.9	2.277	3.089	13.2	21.5

286582 2002 CC_{226} 6 10.5 10°.36 5°.0/ 9.7 16

5 11	17 35.94	− 9 7.0	2.061	2.939	11.6	20.1
5 21	17 30.55	− 8 43.7	1.999	2.940	8.8	19.9
5 31	17 23.61	− 8 29.1	1.960	2.941	6.2	19.8
6 10	17 15.83	− 8 25.0	1.948	2.942	5.0	19.7
6 20	17 8.02	− 8 32.4	1.962	2.943	6.3	19.8
6 30	17 1.00	− 8 51.4	2.002	2.944	9.0	20.0
7 10	16 55.47	− 9 20.9	2.065	2.946	11.8	20.1
7 20	16 51.89	− 9 59.1	2.150	2.948	14.4	20.3

355112 2006 UD_{61} 6 10.5 190°.79 1°.9/10.9 18

5 11	17 39.09	−29 9.7	2.549	3.423	9.8	21.8
5 21	17 32.68	−29 20.3	2.475	3.422	7.1	21.7
5 31	17 24.71	−29 25.5	2.428	3.420	4.1	21.5
6 10	17 15.88	−29 24.0	2.408	3.419	1.9	21.3
6 20	17 6.99	−29 15.9	2.417	3.417	3.6	21.4
6 30	16 58.86	−29 2.3	2.454	3.414	6.6	21.6
7 10	16 52.20	−28 45.5	2.516	3.412	9.4	21.8
7 20	16 47.47	−28 27.7	2.602	3.409	11.9	22.0

125274 2001 VE_{10} 6 10.5 167°.61 0°.8/10.7 17

5 11	17 42.48	−27 18.4	1.983	2.864	11.9	20.1
5 21	17 35.22	−26 45.2	1.916	2.868	8.4	19.9
5 31	17 26.07	−26 4.6	1.874	2.871	4.5	19.6
6 10	17 15.96	−25 17.2	1.859	2.873	0.8	19.4
6 20	17 5.93	−24 25.2	1.872	2.875	4.0	19.6
6 30	16 57.02	−23 32.1	1.913	2.877	7.9	19.9
7 10	16 50.04	−22 41.7	1.979	2.878	11.4	20.1
7 20	16 45.45	−21 57.1	2.067	2.879	14.4	20.3

475120 2005 UW_{280} 6 10.5 202°.28 1°.5/ 9.9 18

5 11	17 36.25	−18 32.2	3.001	3.879	8.4	22.6
5 21	17 30.43	−18 6.2	2.924	3.874	5.9	22.4
5 31	17 23.44	−17 40.3	2.874	3.869	3.3	22.3
6 10	17 15.84	−17 15.6	2.852	3.864	1.5	22.1
6 20	17 8.21	−16 53.0	2.860	3.858	3.3	22.2
6 30	17 1.15	−16 33.8	2.897	3.852	6.0	22.4
7 10	16 55.20	−16 19.0	2.961	3.845	8.5	22.6
7 20	16 50.73	−16 9.2	3.047	3.838	10.7	22.7

357533 2004 RL_{185} 6 10.5 262°.43 5°.1/11.7 18

5 11	17 40.78	−39 10.7	2.444	3.295	11.0	20.8
5 21	17 34.14	−39 31.2	2.364	3.284	8.7	20.6
5 31	17 25.59	−39 39.5	2.307	3.273	6.4	20.5
6 10	17 15.94	−39 33.3	2.276	3.262	5.1	20.4
6 20	17 6.17	−39 12.1	2.273	3.251	5.8	20.4
6 30	16 57.29	−38 37.4	2.296	3.240	8.0	20.5
7 10	16 50.18	−37 53.1	2.345	3.229	10.5	20.7
7 20	16 45.37	−37 3.8	2.415	3.217	12.8	20.8

250938 2005 XB_{58} 6 10.5 269°.91 1°.2/10.7 18

5 11	17 37.89	−26 57.7	2.383	3.264	10.2	21.4
5 21	17 31.98	−26 58.3	2.299	3.251	7.2	21.2
5 31	17 24.41	−26 54.4	2.240	3.237	4.0	21.0
6 10	17 15.89	−26 45.2	2.209	3.223	1.2	20.7
6 20	17 7.22	−26 31.1	2.206	3.209	3.5	20.9
6 30	16 59.28	−26 13.4	2.231	3.195	6.9	21.1
7 10	16 52.82	−25 54.3	2.281	3.181	10.1	21.3
7 20	16 48.35	−25 36.0	2.353	3.166	12.8	21.4

156910 2003 FB_{6} 6 10.5 350°.38 10°.5/11.2 18

5 11	17 42.41	−42 50.9	1.300	2.171	17.5	19.3
5 21	17 36.83	−44 13.9	1.240	2.164	14.5	19.1
5 31	17 27.59	−45 16.6	1.200	2.158	11.9	18.9
6 10	17 16.04	−45 50.5	1.181	2.153	10.5	18.8
6 20	17 4.12	−45 51.5	1.183	2.149	11.4	18.8
6 30	16 53.95	−45 21.8	1.207	2.146	13.9	19.0
7 10	16 47.18	−44 29.5	1.250	2.145	17.0	19.1
7 20	16 44.60	−43 24.1	1.310	2.144	20.0	19.3

167908 2005 EJ_{97} 6 10.5 123°.05 3°.5/ 9.8 17

5 11	17 42.23	−15 37.2	1.622	2.511	13.7	20.3
5 21	17 35.17	−15 2.0	1.570	2.523	9.8	20.1
5 31	17 26.08	−14 30.6	1.542	2.535	5.8	19.9
6 10	17 15.97	−14 5.3	1.539	2.547	3.6	19.8
6 20	17 5.98	−13 47.8	1.563	2.558	5.9	20.0
6 30	16 57.22	−13 39.8	1.613	2.569	9.8	20.2
7 10	16 50.56	−13 41.6	1.685	2.579	13.4	20.5
7 20	16 46.48	−13 52.7	1.778	2.588	16.4	20.7

289186 2004 VG_{78} 6 10.5 272°.11 2°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.90	−13 42.6	2.461	3.333	10.2	20.3
5 21	17 33.36	−14 18.9	2.370	3.316	7.4	20.1
5 31	17 25.16	−15 2.0	2.306	3.298	4.3	19.9
6 10	17 15.94	−15 51.0	2.270	3.280	2.2	19.7
6 20	17 6.42	−16 44.7	2.264	3.262	4.1	19.8
6 30	16 57.45	−17 41.5	2.287	3.243	7.3	20.0
7 10	16 49.78	−18 40.2	2.337	3.225	10.4	20.1
7 20	16 43.96	−19 39.8	2.410	3.206	13.0	20.3

366529 2002 QQ_{11} 6 10.5 275°.72 0°.8/10.6 18

5 11	17 42.04	−25 40.5	1.597	2.490	13.6	21.2
5 21	17 35.62	−25 33.6	1.512	2.469	9.8	20.9
5 31	17 26.62	−25 21.0	1.449	2.448	5.3	20.6
6 10	17 16.01	−25 1.9	1.412	2.427	0.9	20.2
6 20	17 5.02	−24 36.7	1.401	2.405	4.8	20.4
6 30	16 55.08	−24 8.2	1.415	2.383	9.7	20.7
7 10	16 47.35	−23 40.0	1.452	2.361	14.1	20.9
7 20	16 42.60	−23 15.7	1.509	2.339	18.0	21.1

32610 Siennafink 6 10.5 118°.34 0°.9/10.6 18

5 11	17 38.84	−25 39.0	2.081	2.967	11.2	18.8
5 21	17 32.71	−25 42.3	2.014	2.969	7.9	18.6
5 31	17 24.80	−25 41.7	1.972	2.970	4.3	18.4
6 10	17 15.92	−25 36.6	1.956	2.971	0.9	18.2
6 20	17 7.00	−25 27.3	1.968	2.972	3.8	18.4
6 30	16 58.99	−25 15.1	2.007	2.973	7.5	18.6
7 10	16 52.69	−25 2.2	2.071	2.974	10.8	18.8
7 20	16 48.59	−24 50.7	2.156	2.975	13.6	19.0

449871 2015 MY_{58} 6 10.5 312°.60 3°.7/10.1 18

5 11	17 36.78	−11 52.4	2.055	2.937	11.5	20.4
5 21	17 31.28	−11 53.4	1.980	2.928	8.5	20.2
5 31	17 24.08	−12 1.8	1.930	2.919	5.4	20.0
6 10	17 15.90	−12 18.5	1.906	2.910	3.7	19.9
6 20	17 7.56	−12 43.6	1.910	2.901	5.4	20.0
6 30	16 59.97	−13 16.6	1.939	2.893	8.5	20.1
7 10	16 53.88	−13 56.5	1.993	2.885	11.7	20.3
7 20	16 49.82	−14 42.0	2.068	2.877	14.5	20.5

498046 2007 PT_{27} 6 10.5 322°.48 4°.4/ 9.7 17

5 11	17 35.48	−17 6.1	0.972	1.895	17.4	20.2
5 21	17 32.03	−16 26.6	0.889	1.860	12.8	19.8
5 31	17 25.21	−15 48.5	0.825	1.825	7.7	19.4
6 10	17 15.97	−15 15.9	0.781	1.792	4.4	19.1
6 20	17 5.84	−14 52.9	0.757	1.759	8.3	19.2
6 30	16 56.79	−14 43.8	0.753	1.728	14.4	19.4
7 10	16 50.59	−14 51.1	0.766	1.699	20.4	19.6
7 20	16 48.39	−15 14.7	0.793	1.672	25.6	19.8

29204 Ladegast 6 10.5 66°.15 6°.0/ 9.3 18

5 11	17 38.76	−10 5.1	1.594	2.481	14.0	18.4
5 21	17 32.81	− 9 16.3	1.540	2.487	10.5	18.2
5 31	17 24.89	− 8 36.7	1.510	2.493	7.4	18.0
6 10	17 15.94	− 8 9.8	1.504	2.499	6.0	17.9
6 20	17 7.04	− 7 57.8	1.523	2.505	7.7	18.1
6 30	16 59.25	− 8 1.5	1.567	2.511	10.9	18.3
7 10	16 53.42	− 8 19.8	1.633	2.518	14.2	18.5
7 20	16 50.04	− 8 50.5	1.717	2.524	17.1	18.7

494406 2016 UZ_{59} 6 10.5 235°.53 4°.0/11.3 18

5 11	17 40.09	−35 23.4	2.445	3.307	10.6	21.8
5 21	17 33.59	−35 47.1	2.368	3.301	8.1	21.6
5 31	17 25.29	−36 1.3	2.317	3.295	5.5	21.5
6 10	17 15.97	−36 4.0	2.292	3.289	4.0	21.4
6 20	17 6.52	−35 54.5	2.295	3.283	5.0	21.4
6 30	16 57.91	−35 34.2	2.325	3.277	7.5	21.5
7 10	16 50.96	−35 6.2	2.381	3.270	10.1	21.7
7 20	16 46.19	−34 34.1	2.458	3.263	12.6	21.9

338125 2002 QQ_{83} 6 10.5 280°.00 0°.1/10.5 17

5 11	17 39.00	−24 4.9	1.902	2.792	11.9	21.1
5 21	17 33.00	−23 52.2	1.827	2.784	8.4	20.9
5 31	17 25.03	−23 35.8	1.776	2.776	4.5	20.7
6 10	17 15.95	−23 15.9	1.752	2.767	0.2	20.3
6 20	17 6.76	−22 53.6	1.755	2.759	4.1	20.6
6 30	16 58.51	−22 30.7	1.784	2.751	8.2	20.8
7 10	16 52.08	−22 9.9	1.837	2.742	11.8	21.0
7 20	16 48.01	−21 53.1	1.912	2.734	15.0	21.2

320516 2007 YP_{3} 6 10.5 198°.06 0°.2/10.5 17

5 11	17 43.50	−23 49.1	1.894	2.777	12.3	21.9
5 21	17 36.15	−23 49.6	1.821	2.774	8.7	21.7
5 31	17 26.70	−23 47.0	1.772	2.771	4.6	21.5
6 10	17 16.04	−23 40.6	1.751	2.766	0.3	21.1
6 20	17 5.26	−23 30.7	1.757	2.761	4.2	21.4
6 30	16 55.50	−23 18.9	1.791	2.755	8.4	21.6
7 10	16 47.69	−23 7.6	1.849	2.748	12.1	21.9
7 20	16 42.42	−22 58.9	1.929	2.741	15.3	22.1

129893 1999 TW_{34} 6 10.5 116°.93 14°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 44.74	+ 2 40.2	1.198	2.057	19.5	18.7
5 21	17 37.21	+ 5 19.4	1.167	2.071	16.8	18.6
5 31	17 27.22	+ 7 31.7	1.157	2.085	15.1	18.5
6 10	17 16.06	+ 9 6.5	1.168	2.099	14.9	18.6
6 20	17 5.16	+ 9 58.0	1.200	2.111	16.3	18.7
6 30	16 55.90	+10 6.7	1.252	2.123	18.5	18.9
7 10	16 49.25	+ 9 38.7	1.320	2.135	20.8	19.1
7 20	16 45.67	+ 8 42.5	1.402	2.146	23.0	19.3

396819 2004 RH_{50} 6 10.5 310°.15 1°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 37.85	−25 58.2	1.950	2.840	11.7	21.1
5 21	17 32.38	−26 5.4	1.857	2.813	8.4	20.9
5 31	17 24.83	−26 8.7	1.787	2.785	4.6	20.6
6 10	17 15.96	−26 7.0	1.744	2.758	1.2	20.3
6 20	17 6.74	−26 0.2	1.727	2.731	4.2	20.4
6 30	16 58.27	−25 49.3	1.737	2.704	8.3	20.6
7 10	16 51.53	−25 36.8	1.770	2.678	12.1	20.8
7 20	16 47.19	−25 25.0	1.825	2.652	15.4	21.0

271798 2004 TX_{62} 6 10.5 345°.91 9°.0/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 40.88	−38 54.1	1.270	2.154	17.0	20.5
5 21	17 35.70	−40 18.9	1.206	2.144	13.6	20.2
5 31	17 27.02	−41 28.2	1.163	2.135	10.6	20.0
6 10	17 16.07	−42 13.7	1.142	2.127	9.0	19.9
6 20	17 4.65	−42 30.7	1.142	2.120	10.2	20.0
6 30	16 54.79	−42 20.1	1.164	2.114	13.3	20.1
7 10	16 48.13	−41 48.5	1.206	2.110	16.8	20.3
7 20	16 45.52	−41 4.3	1.265	2.107	20.1	20.5

387208 2012 TV_{313} 6 10.5 284°.90 3°.2/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 39.68	−13 35.8	1.826	2.711	12.6	20.1
5 21	17 33.61	−13 49.9	1.744	2.695	9.2	19.9
5 31	17 25.46	−14 11.7	1.685	2.678	5.5	19.6
6 10	17 16.01	−14 41.5	1.653	2.661	3.2	19.4
6 20	17 6.25	−15 18.5	1.647	2.645	5.4	19.5
6 30	16 57.26	−16 1.9	1.669	2.628	9.2	19.7
7 10	16 50.02	−16 50.5	1.714	2.611	12.9	19.9
7 20	16 45.17	−17 43.1	1.779	2.595	16.2	20.1

492978 2014 SL_{154} 6 10.5 161°.29 3°.1/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 45.73	−31 13.5	1.875	2.748	12.8	22.5
5 21	17 37.77	−31 29.7	1.811	2.755	9.4	22.3
5 31	17 27.54	−31 36.7	1.771	2.761	5.7	22.1
6 10	17 16.10	−31 32.1	1.759	2.767	3.1	21.9
6 20	17 4.67	−31 15.9	1.773	2.771	5.0	22.1
6 30	16 54.46	−30 50.4	1.815	2.775	8.5	22.3
7 10	16 46.47	−30 19.8	1.882	2.778	12.0	22.5
7 20	16 41.24	−29 48.2	1.969	2.781	15.0	22.7

140640 2001 UO_{23} 6 10.5 152°.80 1°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 38.41	−21 53.0	2.326	3.210	10.3	19.3
5 21	17 32.16	−21 17.6	2.260	3.214	7.2	19.1
5 31	17 24.44	−20 39.8	2.219	3.217	3.8	18.9
6 10	17 15.96	−20 1.1	2.207	3.221	1.0	18.7
6 20	17 7.53	−19 23.1	2.223	3.224	3.7	18.9
6 30	16 59.94	−18 48.1	2.267	3.227	7.1	19.1
7 10	16 53.84	−18 18.0	2.336	3.230	10.1	19.3
7 20	16 49.67	−17 54.2	2.428	3.233	12.7	19.5

268545 2006 AP_{60} 6 10.5 330°.16 1°.8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 38.10	−18 50.9	1.438	2.341	14.2	20.2
5 21	17 32.84	−18 49.3	1.368	2.330	10.1	20.0
5 31	17 25.15	−18 50.3	1.320	2.320	5.5	19.7
6 10	17 16.00	−18 54.2	1.296	2.310	1.8	19.4
6 20	17 6.63	−19 1.3	1.298	2.301	5.3	19.6
6 30	16 58.34	−19 12.5	1.323	2.293	10.1	19.9
7 10	16 52.26	−19 28.3	1.370	2.285	14.4	20.1
7 20	16 49.04	−19 49.2	1.436	2.278	18.1	20.3

478667 2012 TD_{263} 6 10.5 268°.38 2°.4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 40.88	−28 27.9	1.882	2.766	12.3	21.9
5 21	17 34.44	−28 56.4	1.812	2.764	8.9	21.7
5 31	17 25.86	−29 19.3	1.767	2.761	5.1	21.5
6 10	17 16.04	−29 34.5	1.748	2.759	2.4	21.3
6 20	17 6.07	−29 40.9	1.756	2.756	4.6	21.4
6 30	16 57.10	−29 39.4	1.790	2.754	8.3	21.6
7 10	16 50.10	−29 32.8	1.848	2.752	11.9	21.9
7 20	16 45.66	−29 23.9	1.927	2.749	14.9	22.1

219567 2001 SB_{115} 6 10.5 190°.88 1°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 40.88	−20 19.2	1.965	2.850	11.8	20.9
5 21	17 34.19	−20 8.5	1.895	2.850	8.3	20.6
5 31	17 25.63	−19 57.6	1.850	2.848	4.5	20.4
6 10	17 16.03	−19 46.7	1.832	2.846	1.2	20.2
6 20	17 6.36	−19 36.8	1.842	2.844	4.2	20.4
6 30	16 57.63	−19 29.0	1.879	2.841	8.1	20.6
7 10	16 50.68	−19 24.8	1.941	2.838	11.7	20.8
7 20	16 46.02	−19 25.3	2.023	2.835	14.7	21.0

414149 2007 VJ_{335} 6 10.5 61°.41 1°.0/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 43.04	−19 10.1	1.303	2.203	15.5	20.7
5 21	17 36.23	−19 40.9	1.257	2.218	10.9	20.5
5 31	17 26.84	−20 15.1	1.233	2.233	5.8	20.3
6 10	17 16.09	−20 50.4	1.234	2.248	1.0	20.0
6 20	17 5.41	−21 25.3	1.259	2.264	5.2	20.3
6 30	16 56.23	−21 58.8	1.309	2.279	10.1	20.6
7 10	16 49.65	−22 31.6	1.382	2.295	14.4	20.9
7 20	16 46.18	−23 4.1	1.473	2.311	17.9	21.2

274309 2008 QX_{38} 6 10.5 304°.57 0°.9/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 39.09	−21 49.3	1.538	2.437	13.6	20.7
5 21	17 33.62	−21 32.9	1.450	2.411	9.8	20.4
5 31	17 25.63	−21 14.2	1.384	2.385	5.2	20.0
6 10	17 16.04	−20 53.7	1.344	2.359	0.9	19.7
6 20	17 6.03	−20 32.6	1.328	2.333	5.1	19.9
6 30	16 56.95	−20 13.4	1.338	2.307	10.0	20.1
7 10	16 49.98	−19 58.8	1.370	2.282	14.6	20.3
7 20	16 45.91	−19 50.7	1.420	2.257	18.5	20.5

253734 2003 WF_{30} 6 10.5 309°.52 0°.9/10.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 40.50	−26 41.1	1.291	2.195	15.4	20.1
5 21	17 34.88	−26 18.2	1.217	2.179	11.1	19.8
5 31	17 26.36	−25 46.3	1.163	2.164	6.0	19.5
6 10	17 16.08	−25 5.4	1.133	2.148	1.0	19.1
6 20	17 5.52	−24 17.5	1.128	2.134	5.4	19.3
6 30	16 56.30	−23 27.3	1.146	2.119	10.8	19.6
7 10	16 49.73	−22 40.2	1.185	2.105	15.7	19.8
7 20	16 46.51	−22 0.6	1.242	2.092	19.9	20.1

74585 1999 NV_{52} 6 10.5 283°.92 9°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 39.65	− 3 22.7	1.546	2.416	15.2	19.4
5 21	17 33.86	− 1 59.5	1.463	2.389	12.5	19.2
5 31	17 25.71	− 0 48.2	1.402	2.361	10.4	19.0
6 10	17 16.05	+ 0 4.2	1.364	2.332	9.8	18.9
6 20	17 5.96	+ 0 32.5	1.350	2.303	11.5	18.9
6 30	16 56.69	+ 0 33.9	1.359	2.274	14.5	19.0
7 10	16 49.35	+ 0 9.4	1.388	2.245	17.8	19.1
7 20	16 44.68	− 0 37.5	1.433	2.215	21.0	19.2

176036 2000 SP_{200} 6 10.5 290°.82 4°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 36.55	−11 40.1	2.097	2.978	11.3	19.7
5 21	17 31.11	−11 20.4	2.020	2.966	8.4	19.5
5 31	17 24.02	−11 7.2	1.966	2.953	5.6	19.3
6 10	17 15.96	−11 2.1	1.940	2.940	4.1	19.2
6 20	17 7.75	−11 6.1	1.940	2.928	5.7	19.2
6 30	17 0.26	−11 19.8	1.966	2.915	8.7	19.4
7 10	16 54.24	−11 42.7	2.016	2.902	11.8	19.6
7 20	16 50.20	−12 13.8	2.087	2.890	14.6	19.7

428804 2008 TV_{9} 6 10.5 6°.50 2°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 38.36	−17 44.5	1.569	2.467	13.5	20.7
5 21	17 32.68	−17 9.4	1.508	2.467	9.6	20.5
5 31	17 24.91	−16 36.1	1.471	2.468	5.5	20.2
6 10	17 16.00	−16 6.6	1.458	2.469	2.8	20.1
6 20	17 7.08	−15 43.2	1.471	2.470	5.6	20.3
6 30	16 59.28	−15 27.8	1.509	2.471	9.7	20.5
7 10	16 53.52	−15 21.8	1.569	2.473	13.5	20.7
7 20	16 50.32	−15 25.1	1.648	2.475	16.8	20.9

22178 2000 XW_{40} 6 10.5 302°.85 8°.6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 45.10	−44 8.1	1.692	2.539	15.2	18.5
5 21	17 38.08	−44 45.8	1.619	2.529	12.6	18.3
5 31	17 28.01	−45 3.4	1.567	2.519	10.1	18.1
6 10	17 16.15	−44 55.4	1.539	2.510	8.7	18.0
6 20	17 4.11	−44 20.2	1.534	2.500	9.3	18.0
6 30	16 53.59	−43 21.0	1.554	2.491	11.5	18.1
7 10	16 45.92	−42 5.2	1.595	2.482	14.4	18.3
7 20	16 41.76	−40 41.4	1.656	2.473	17.2	18.5

3329 Golay 6 10.5 181°.10 4°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	17 41.40	−36 6.7	2.393	3.253	10.9	16.6
5 21	17 34.55	−36 37.7	2.323	3.253	8.3	16.5
5 31	17 25.83	−36 58.6	2.278	3.253	5.8	16.3
6 10	17 16.05	−37 7.1	2.259	3.253	4.4	16.2
6 20	17 6.18	−37 2.2	2.268	3.253	5.3	16.3
6 30	16 57.21	−36 45.5	2.304	3.253	7.7	16.4
7 10	16 49.99	−36 20.0	2.365	3.252	10.3	16.6
7 20	16 45.04	−35 49.7	2.448	3.251	12.7	16.8

513170 2004 KH_{15} 6 10.5 196°.25 7°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 11	19 31.38	+26 45.7	0.309	1.121	61.5	19.6
5 21	19 20.04	+20 12.7	0.222	1.124	54.7	18.7
5 31	18 48.67	+ 4 1.2	0.143	1.124	37.3	17.2
6 10	17 22.63	−34 8.1	0.107	1.120	10.2	15.7
6 20	14 12.25	−61 25.1	0.149	1.112	47.2	17.6
6 30	11 52.03	−62 42.9	0.228	1.100	62.9	18.9
7 10	10 57.39	−60 53.8	0.311	1.084	69.3	19.8
7 20	10 32.93	−59 46.1	0.389	1.065	72.2	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
521345 2015 LF_{45}			6 10.5 287.°83		3.°8/10.2 18	
	h m	° ′			°	m
5 11	17 38.18	−10 42.9	2.247	3.121	11.0	21.0
5 21	17 32.29	−10 51.8	2.155	3.097	8.2	20.8
5 31	17 24.68	−11 9.1	2.087	3.073	5.4	20.6
6 10	17 16.00	−11 35.3	2.046	3.048	3.8	20.4
6 20	17 7.02	−12 10.4	2.034	3.023	5.3	20.5
6 30	16 58.61	−12 53.7	2.048	2.999	8.4	20.6
7 10	16 51.55	−13 43.9	2.088	2.974	11.5	20.8
7 20	16 46.44	−14 39.5	2.150	2.949	14.3	20.9
184196 2004 PF_{36}			6 10.5 346.°62		10.°6/ 8.7 16	
5 11	17 34.00	+ 2 19.8	1.666	2.522	15.0	19.4
5 21	17 29.55	+ 3 13.4	1.605	2.512	12.9	19.2
5 31	17 23.27	+ 3 47.0	1.565	2.503	11.2	19.1
6 10	17 15.94	+ 3 56.0	1.547	2.495	10.6	19.0
6 20	17 8.50	+ 3 38.0	1.552	2.488	11.5	19.0
6 30	17 1.94	+ 2 53.8	1.579	2.482	13.5	19.1
7 10	16 57.07	+ 1 47.0	1.625	2.477	15.9	19.3
7 20	16 54.44	+ 0 22.8	1.690	2.473	18.2	19.4
441444 2008 HX_{48}			6 10.5 351.°39		4.°2/10.8 17	
5 11	17 39.81	−32 38.0	1.956	2.834	12.2	20.8
5 21	17 33.76	−33 28.1	1.888	2.831	9.1	20.5
5 31	17 25.55	−34 10.4	1.843	2.829	6.0	20.4
6 10	17 16.06	−34 41.5	1.825	2.827	4.2	20.2
6 20	17 6.36	−34 59.6	1.833	2.825	5.6	20.3
6 30	16 57.62	−35 5.1	1.867	2.823	8.6	20.5
7 10	16 50.83	−35 1.0	1.925	2.822	11.8	20.7
7 20	16 46.61	−34 50.7	2.003	2.822	14.5	20.9
505424 2013 RJ_{40}			6 10.5 249.°80		0.°8/10.4 18	
5 11	17 41.54	−21 44.6	1.870	2.757	12.2	22.0
5 21	17 34.91	−21 32.0	1.786	2.741	8.7	21.7
5 31	17 26.15	−21 17.5	1.726	2.725	4.6	21.5
6 10	17 16.09	−21 1.4	1.692	2.707	0.8	21.1
6 20	17 5.79	−20 44.5	1.686	2.689	4.4	21.4
6 30	16 56.37	−20 28.5	1.707	2.671	8.7	21.6
7 10	16 48.81	−20 15.8	1.752	2.652	12.6	21.8
7 20	16 43.74	−20 8.0	1.818	2.633	15.9	22.0
300135 2006 VX_{54}			6 10.5 206.°69		0.°1/10.5 18	
5 11	17 38.10	−23 18.7	2.564	3.444	9.6	21.9
5 21	17 31.99	−23 18.9	2.488	3.440	6.7	21.7
5 31	17 24.40	−23 17.0	2.437	3.435	3.5	21.5
6 10	17 16.01	−23 13.1	2.415	3.431	0.2	21.1
6 20	17 7.53	−23 7.2	2.422	3.425	3.2	21.4
6 30	16 59.74	−23 0.4	2.457	3.420	6.5	21.6
7 10	16 53.31	−22 54.1	2.518	3.414	9.4	21.8
7 20	16 48.68	−22 49.4	2.602	3.408	11.9	22.0
376930 2002 CG_{109}			6 10.5 113.°83		4.°5/11.5 17	
5 11	17 44.23	−35 39.1	1.923	2.789	12.9	21.2
5 21	17 36.68	−35 56.2	1.866	2.801	9.7	21.0
5 31	17 26.96	−36 0.7	1.834	2.814	6.5	20.9
6 10	17 16.13	−35 50.1	1.827	2.826	4.6	20.8
6 20	17 5.40	−35 24.8	1.847	2.837	5.7	20.9
6 30	16 55.98	−34 47.5	1.893	2.849	8.6	21.0
7 10	16 48.77	−34 3.2	1.964	2.859	11.7	21.3
7 20	16 44.28	−33 16.9	2.056	2.870	14.4	21.5
63990 2001 SA_{108}			6 10.5 283.°87		0.°4/10.6 18	
5 11	17 38.65	−25 45.2	2.074	2.960	11.2	18.8
5 21	17 32.67	−25 18.9	1.993	2.947	8.0	18.6
5 31	17 24.87	−24 46.9	1.936	2.935	4.3	18.4
6 10	17 16.04	−24 9.8	1.907	2.922	0.5	18.0
6 20	17 7.10	−23 29.1	1.905	2.909	3.8	18.3
6 30	16 59.04	−22 47.5	1.930	2.896	7.7	18.5
7 10	16 52.66	−22 8.1	1.980	2.883	11.2	18.7
7 20	16 48.50	−21 33.6	2.052	2.870	14.3	18.9
3587 Descartes			6 10.5 204.°08		3.°3/10.9 18	
5 11	17 41.97	−30 53.4	1.926	2.805	12.3	17.1
5 21	17 35.22	−31 25.8	1.857	2.804	9.0	16.9
5 31	17 26.30	−31 50.7	1.813	2.802	5.6	16.7
6 10	17 16.11	−32 5.4	1.794	2.801	3.3	16.5
6 20	17 5.77	−32 9.0	1.802	2.799	5.0	16.6
6 30	16 56.47	−32 2.4	1.837	2.798	8.4	16.8
7 10	16 49.18	−31 48.9	1.896	2.796	11.8	17.0
7 20	16 44.49	−31 32.0	1.976	2.794	14.8	17.2
507669 2013 RF_{91}			6 10.5 269.°16		0.°6/10.6 17	
5 11	17 41.97	−24 52.1	1.728	2.617	12.9	22.5
5 21	17 35.46	−24 48.6	1.640	2.596	9.2	22.3
5 31	17 26.55	−24 40.7	1.577	2.575	5.0	22.0
6 10	17 16.13	−24 27.7	1.539	2.554	0.6	21.6
6 20	17 5.37	−24 9.9	1.528	2.532	4.5	21.8
6 30	16 55.54	−23 49.3	1.543	2.510	9.2	22.1
7 10	16 47.76	−23 28.9	1.582	2.487	13.4	22.3
7 20	16 42.75	−23 11.8	1.641	2.465	17.0	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
56171 1999 FR_{6}			6 10.5 123.°40		5.°6/ 9.2 18	
	h m	° ′			°	m
5 11	17 40.46	− 8 17.2	2.080	2.948	12.0	20.0
5 21	17 33.57	− 7 27.3	2.032	2.966	9.1	19.8
5 31	17 25.17	− 6 46.2	2.010	2.984	6.6	19.7
6 10	17 16.06	− 6 16.6	2.014	3.001	5.6	19.7
6 20	17 7.09	− 6 0.2	2.046	3.017	6.9	19.8
6 30	16 59.07	− 5 57.6	2.104	3.032	9.4	19.9
7 10	16 52.67	− 6 8.0	2.185	3.047	12.0	20.1
7 20	16 48.30	− 6 29.6	2.288	3.062	14.3	20.3
68527 2001 VO_{59}			6 10.5 102.°32		4.°2/10.9 17	
5 11	17 46.25	−31 9.6	1.386	2.274	15.6	18.8
5 21	17 38.73	−31 51.9	1.334	2.284	11.4	18.6
5 31	17 28.28	−32 24.1	1.303	2.294	7.1	18.4
6 10	17 16.22	−32 41.8	1.297	2.304	4.3	18.3
6 20	17 4.15	−32 43.4	1.316	2.313	6.3	18.4
6 30	16 53.72	−32 31.4	1.359	2.323	10.5	18.7
7 10	16 46.15	−32 10.8	1.425	2.332	14.5	18.9
7 20	16 42.03	−31 47.1	1.509	2.341	17.9	19.2
16434 1988 VO_{3}			6 10.5 272.°78		2.°7/10.8 18	
5 11	17 42.61	−29 33.2	1.879	2.760	12.5	18.9
5 21	17 35.92	−29 53.9	1.787	2.736	9.1	18.7
5 31	17 26.82	−30 8.0	1.719	2.712	5.5	18.4
6 10	17 16.16	−30 12.9	1.677	2.687	2.7	18.2
6 20	17 5.07	−30 7.5	1.662	2.662	4.9	18.2
6 30	16 54.85	−29 53.0	1.674	2.637	8.9	18.4
7 10	16 46.62	−29 32.6	1.709	2.611	12.8	18.6
7 20	16 41.12	−29 10.2	1.765	2.585	16.2	18.8
192974 2000 DF_{30}			6 10.5 124.°15		0.°2/10.5 17	
5 11	17 43.71	−23 23.4	1.332	2.231	15.3	20.4
5 21	17 36.80	−23 11.9	1.275	2.236	10.8	20.2
5 31	17 27.21	−22 56.7	1.240	2.240	5.7	19.9
6 10	17 16.17	−22 37.9	1.230	2.245	0.3	19.5
6 20	17 5.14	−22 16.8	1.244	2.249	5.2	19.9
6 30	16 55.62	−21 56.2	1.283	2.253	10.3	20.2
7 10	16 48.72	−21 39.2	1.344	2.257	14.8	20.4
7 20	16 45.02	−21 28.3	1.424	2.261	18.5	20.7
238291 2003 WO_{150}			6 10.5 208.°43		2.°6/10.0 17	
5 11	17 38.46	−16 10.4	2.086	2.971	11.2	20.8
5 21	17 32.42	−15 52.6	2.017	2.969	8.1	20.6
5 31	17 24.70	−15 37.7	1.972	2.966	4.7	20.3
6 10	17 16.05	−15 26.9	1.953	2.963	2.6	20.2
6 20	17 7.33	−15 21.0	1.963	2.960	4.7	20.3
6 30	16 59.43	−15 20.9	1.999	2.956	8.1	20.5
7 10	16 53.11	−15 27.3	2.060	2.953	11.3	20.7
7 20	16 48.85	−15 40.1	2.142	2.949	14.1	20.9
496328 2013 NB_{8}			6 10.5 88.°56		0.°9/10.3 17	
5 11	17 42.90	−22 34.8	1.384	2.282	14.9	20.5
5 21	17 36.01	−22 6.2	1.333	2.293	10.5	20.3
5 31	17 26.69	−21 34.4	1.304	2.304	5.5	20.0
6 10	17 16.14	−21 0.7	1.300	2.315	0.9	19.7
6 20	17 5.74	−20 27.3	1.321	2.325	5.1	20.1
6 30	16 56.83	−19 57.6	1.367	2.336	9.9	20.4
7 10	16 50.42	−19 34.4	1.436	2.346	14.2	20.6
7 20	16 46.99	−19 19.5	1.523	2.356	17.7	20.9
523055 2016 QT_{90}			6 10.5 248.°10		3.°5/10.8 18	
5 11	17 40.26	−32 43.5	2.398	3.266	10.6	20.9
5 21	17 33.80	−33 26.0	2.323	3.261	7.9	20.8
5 31	17 25.49	−34 1.6	2.273	3.257	5.2	20.6
6 10	17 16.09	−34 27.6	2.251	3.252	3.6	20.5
6 20	17 6.50	−34 42.6	2.256	3.247	4.8	20.5
6 30	16 57.68	−34 47.1	2.289	3.242	7.5	20.7
7 10	16 50.47	−34 43.3	2.347	3.237	10.2	20.9
7 20	16 45.45	−34 34.2	2.427	3.232	12.7	21.0
505884 2015 DU_{134}			6 10.5 149.°71		2.°1/10.6 17	
5 11	17 43.47	−26 57.0	2.016	2.894	11.8	21.6
5 21	17 36.13	−27 41.4	1.951	2.901	8.5	21.4
5 31	17 26.73	−28 21.9	1.912	2.907	4.8	21.2
6 10	17 16.16	−28 55.8	1.901	2.912	2.1	21.1
6 20	17 5.46	−29 21.4	1.917	2.918	4.3	21.2
6 30	16 55.75	−29 38.8	1.961	2.922	8.0	21.5
7 10	16 47.93	−29 50.0	2.030	2.927	11.3	21.7
7 20	16 42.60	−29 57.5	2.121	2.931	14.1	21.9
284603 2007 TL_{418}			6 10.5 272.°22		0.°7/10.6 18	
5 11	17 39.53	−24 45.7	1.989	2.876	11.6	21.0
5 21	17 33.43	−24 53.9	1.909	2.864	8.2	20.8
5 31	17 25.36	−24 59.1	1.853	2.851	4.4	20.5
6 10	17 16.10	−25 0.4	1.824	2.839	0.7	20.2
6 20	17 6.64	−24 57.7	1.822	2.826	4.0	20.4
6 30	16 58.02	−24 52.0	1.848	2.814	8.0	20.6
7 10	16 51.16	−24 45.4	1.897	2.801	11.6	20.8
7 20	16 46.64	−24 40.0	1.968	2.788	14.7	21.0

127933 Shaunoborn 6 10.5 6°.95 0°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.45	−21 53.7	1.037	1.953	17.2	18.9
5 21	17 34.36	−22 8.5	0.984	1.953	12.1	18.6
5 31	17 26.15	−22 23.6	0.952	1.954	6.4	18.3
6 10	17 16.15	−22 37.6	0.941	1.956	0.4	17.9
6 20	17 6.03	−22 49.8	0.952	1.959	5.8	18.3
6 30	16 57.55	−23 1.1	0.985	1.963	11.6	18.6
7 10	16 52.04	−23 13.2	1.038	1.967	16.6	18.9
7 20	16 50.16	−23 27.7	1.107	1.973	20.7	19.2

148560 2001 QP_{204} 6 10.5 290°.66 1°.4/10.8 18

5 11	17 41.25	−27 47.9	1.551	2.444	13.9	20.0
5 21	17 35.06	−27 30.7	1.475	2.431	10.0	19.7
5 31	17 26.36	−27 4.9	1.421	2.419	5.5	19.4
6 10	17 16.17	−26 30.0	1.392	2.406	1.5	19.1
6 20	17 5.80	−25 47.5	1.389	2.393	4.8	19.3
6 30	16 56.63	−25 1.0	1.411	2.381	9.5	19.6
7 10	16 49.76	−24 15.4	1.456	2.368	13.9	19.8
7 20	16 45.85	−23 34.8	1.520	2.356	17.6	20.0

401129 2011 UW_{307} 6 10.5 146°.45 0°.0/10.5 17

5 11	17 38.11	−24 33.9	2.830	3.706	8.9	21.1
5 21	17 31.78	−24 5.5	2.764	3.715	6.2	20.9
5 31	17 24.22	−23 33.7	2.725	3.723	3.3	20.8
6 10	17 16.07	−22 59.2	2.716	3.731	0.2	20.5
6 20	17 7.98	−22 23.2	2.735	3.738	2.9	20.8
6 30	17 0.63	−21 47.7	2.784	3.745	5.9	21.0
7 10	16 54.56	−21 14.5	2.860	3.752	8.5	21.1
7 20	16 50.13	−20 45.3	2.959	3.758	10.8	21.3

70663 1999 TG_{284} 6 10.5 157°.66 4°.2/ 9.6 18

5 11	17 38.58	−11 37.6	2.140	3.017	11.3	19.8
5 21	17 32.39	−11 5.9	2.078	3.021	8.4	19.7
5 31	17 24.65	−10 40.3	2.041	3.026	5.6	19.5
6 10	17 16.09	−10 22.7	2.031	3.030	4.2	19.4
6 20	17 7.54	−10 14.4	2.048	3.033	5.7	19.5
6 30	16 59.81	−10 16.0	2.092	3.036	8.6	19.7
7 10	16 53.61	−10 27.5	2.160	3.039	11.4	19.9
7 20	16 49.38	−10 47.7	2.250	3.042	14.0	20.1

520276 2014 EL_{211} 6 10.5 206°.44 3°.0/11.2 18

5 11	17 40.56	−32 8.5	2.133	3.007	11.5	20.8
5 21	17 34.03	−32 12.8	2.062	3.006	8.4	20.6
5 31	17 25.61	−32 7.9	2.015	3.004	5.2	20.4
6 10	17 16.15	−31 52.8	1.995	3.003	3.0	20.3
6 20	17 6.64	−31 27.6	2.003	3.001	4.5	20.4
6 30	16 58.13	−30 54.6	2.038	2.999	7.7	20.6
7 10	16 51.44	−30 17.3	2.097	2.997	10.8	20.8
7 20	16 47.08	−29 39.4	2.178	2.995	13.6	21.0

386078 2007 JD_{18} 6 10.5 297°.09 6°.8/ 9.9 18

5 11	17 39.28	− 6 3.7	1.704	2.578	13.9	20.4
5 21	17 33.54	− 5 49.2	1.614	2.549	10.9	20.2
5 31	17 25.58	− 5 48.3	1.546	2.520	8.1	19.9
6 10	17 16.16	− 6 4.1	1.502	2.491	6.8	19.8
6 20	17 6.28	− 6 37.8	1.484	2.462	8.3	19.8
6 30	16 57.08	− 7 29.0	1.491	2.433	11.5	19.9
7 10	16 49.64	− 8 35.2	1.520	2.404	15.1	20.1
7 20	16 44.69	− 9 53.1	1.569	2.375	18.5	20.2

304639 2006 VD_{171} 6 10.5 195°.81 0°.3/10.5 17

5 11	17 37.87	−22 12.5	2.388	3.272	10.0	21.0
5 21	17 31.90	−22 10.6	2.317	3.271	7.1	20.8
5 31	17 24.41	−22 7.5	2.271	3.269	3.7	20.6
6 10	17 16.09	−22 3.1	2.253	3.268	0.4	20.3
6 20	17 7.71	−21 57.8	2.263	3.266	3.4	20.6
6 30	17 0.07	−21 52.6	2.301	3.264	6.8	20.8
7 10	16 53.86	−21 48.6	2.364	3.262	9.8	21.0
7 20	16 49.55	−21 47.0	2.450	3.260	12.5	21.2

440608 2005 VM_{80} 6 10.5 275°.59 0°.5/10.4 16

5 11	17 37.97	−21 47.5	2.346	3.230	10.2	22.1
5 21	17 32.13	−21 45.5	2.255	3.209	7.2	21.8
5 31	17 24.63	−21 42.4	2.190	3.188	3.8	21.6
6 10	17 16.11	−21 38.3	2.152	3.167	0.5	21.3
6 20	17 7.37	−21 33.4	2.142	3.145	3.6	21.5
6 30	16 59.26	−21 28.8	2.160	3.123	7.2	21.7
7 10	16 52.57	−21 25.6	2.203	3.101	10.5	21.8
7 20	16 47.83	−21 25.2	2.269	3.079	13.3	22.0

74056 1998 KM_{9} 6 10.5 137°.14 4°.3/10.1 17 R

5 11	17 41.44	−12 42.9	1.607	2.494	13.9	19.2
5 21	17 34.80	−12 27.3	1.549	2.499	10.2	19.0
5 31	17 26.06	−12 19.3	1.515	2.505	6.4	18.8
6 10	17 16.18	−12 20.4	1.505	2.510	4.3	18.7
6 20	17 6.28	−12 31.4	1.522	2.515	6.4	18.8
6 30	16 57.52	−12 52.1	1.564	2.520	10.1	19.0
7 10	16 50.80	−13 21.8	1.629	2.524	13.7	19.3
7 20	16 46.67	−13 58.9	1.714	2.528	16.8	19.5

328234 2008 FX_{55} 6 10.5 270°.39 2°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 40.47	−17 57.8	1.654	2.547	13.2	20.7
5 21	17 34.35	−17 32.9	1.574	2.530	9.5	20.4
5 31	17 25.96	−17 9.1	1.517	2.514	5.4	20.1
6 10	17 16.18	−16 48.0	1.485	2.497	2.5	19.9
6 20	17 6.15	−16 31.2	1.480	2.480	5.4	20.1
6 30	16 57.06	−16 20.7	1.501	2.463	9.8	20.3
7 10	16 49.96	−16 17.9	1.544	2.446	13.9	20.5
7 20	16 45.50	−16 23.6	1.607	2.428	17.4	20.7

35342 1997 GZ_{24} 6 10.5 276°.86 6°.9/ 8.6 18

5 11	17 35.52	− 3 16.4	2.269	3.127	11.5	19.0
5 21	17 30.21	− 2 22.8	2.207	3.125	9.3	18.8
5 31	17 23.51	− 1 40.3	2.168	3.123	7.5	18.7
6 10	17 16.06	− 1 12.1	2.156	3.121	6.9	18.7
6 20	17 8.57	− 1 0.0	2.169	3.119	7.9	18.7
6 30	17 1.79	− 1 4.6	2.207	3.117	9.9	18.8
7 10	16 56.34	− 1 24.7	2.268	3.115	12.2	19.0
7 20	16 52.65	− 1 58.1	2.350	3.113	14.2	19.1

27521 2000 HS_{26} 6 10.5 269°.09 1°.5/10.3 18

5 11	17 38.23	−19 18.6	2.028	2.916	11.3	19.0
5 21	17 32.39	−19 9.1	1.953	2.909	8.0	18.7
5 31	17 24.76	−19 0.3	1.904	2.902	4.4	18.5
6 10	17 16.13	−18 52.8	1.881	2.895	1.5	18.3
6 20	17 7.37	−18 47.3	1.886	2.887	4.2	18.5
6 30	16 59.44	−18 44.7	1.917	2.880	8.0	18.7
7 10	16 53.13	−18 46.3	1.973	2.873	11.4	18.9
7 20	16 48.98	−18 52.5	2.049	2.865	14.4	19.1

158387 2001 XY_{250} 6 10.5 125°.99 0°.7/10.4 17

5 11	17 41.43	−21 39.0	1.948	2.834	11.9	20.6
5 21	17 34.52	−21 29.6	1.891	2.846	8.3	20.4
5 31	17 25.81	−21 18.8	1.859	2.857	4.4	20.2
6 10	17 16.18	−21 7.0	1.854	2.869	0.7	20.0
6 20	17 6.61	−20 54.9	1.877	2.880	4.0	20.2
6 30	16 58.10	−20 44.0	1.927	2.890	7.9	20.5
7 10	16 51.42	−20 36.0	2.001	2.900	11.3	20.7
7 20	16 47.04	−20 32.1	2.097	2.910	14.2	20.9

504401 2007 VY_{331} 6 10.5 116°.42 0°.9/10.4 17

5 11	17 39.41	−19 3.8	2.552	3.429	9.7	22.2
5 21	17 32.80	−19 20.1	2.496	3.446	6.8	22.1
5 31	17 24.82	−19 37.6	2.466	3.463	3.6	21.9
6 10	17 16.13	−19 55.7	2.465	3.479	0.9	21.7
6 20	17 7.47	−20 14.1	2.493	3.495	3.3	21.9
6 30	16 59.57	−20 32.9	2.550	3.510	6.4	22.1
7 10	16 53.05	−20 52.2	2.633	3.525	9.2	22.4
7 20	16 48.31	−21 12.6	2.739	3.540	11.5	22.5

270456 2002 CO_{237} 6 10.5 20°.92 9°.1/ 9.2 17

5 11	17 36.90	− 3 8.7	1.484	2.361	15.4	19.5
5 21	17 31.66	− 2 14.4	1.435	2.365	12.5	19.3
5 31	17 24.41	− 1 37.2	1.408	2.370	10.0	19.2
6 10	17 16.11	− 1 21.6	1.402	2.376	9.1	19.1
6 20	17 7.83	− 1 29.5	1.421	2.382	10.3	19.2
6 30	17 0.66	− 2 0.3	1.461	2.388	12.8	19.4
7 10	16 55.46	− 2 50.6	1.523	2.396	15.7	19.6
7 20	16 52.73	− 3 55.6	1.602	2.403	18.3	19.8

160522 1995 SZ_{30} 6 10.5 274°.23 1°.8/10.2 18

5 11	17 39.38	−18 49.0	1.769	2.661	12.5	20.0
5 21	17 33.41	−18 36.7	1.695	2.652	8.9	19.8
5 31	17 25.39	−18 25.7	1.646	2.644	4.9	19.5
6 10	17 16.18	−18 16.6	1.623	2.636	1.8	19.3
6 20	17 6.82	−18 10.5	1.626	2.628	4.8	19.5
6 30	16 58.40	−18 8.4	1.655	2.619	8.9	19.7
7 10	16 51.85	−18 11.5	1.708	2.611	12.7	19.9
7 20	16 47.74	−18 20.4	1.781	2.603	16.0	20.1

464834 2005 CX_{10} 6 10.5 107°.45 4°.6/11.4 17

5 11	17 47.25	−34 8.4	1.606	2.480	14.6	21.5
5 21	17 39.06	−34 30.6	1.556	2.497	10.8	21.3
5 31	17 28.33	−34 39.5	1.530	2.515	7.0	21.1
6 10	17 16.33	−34 32.2	1.529	2.532	4.6	21.0
6 20	17 4.51	−34 8.9	1.554	2.548	6.1	21.2
6 30	16 54.31	−33 33.1	1.605	2.564	9.5	21.4
7 10	16 46.75	−32 50.6	1.679	2.580	13.0	21.6
7 20	16 42.32	−32 6.9	1.774	2.595	16.1	21.9

367495 2009 HE_{44} 6 10.5 8°.02 4°.9/ 9.8 17

5 11	17 38.95	−14 13.1	1.228	2.133	15.9	20.7
5 21	17 33.53	−13 33.6	1.173	2.133	11.6	20.4
5 31	17 25.57	−13 1.0	1.140	2.134	7.3	20.2
6 10	17 16.20	−12 38.5	1.129	2.135	4.9	20.0
6 20	17 6.79	−12 28.6	1.142	2.137	7.5	20.2
6 30	16 58.75	−12 32.6	1.177	2.140	11.8	20.4
7 10	16 53.16	−12 50.1	1.233	2.143	16.0	20.7
7 20	16 50.60	−13 19.2	1.307	2.147	19.7	20.9

155460 1998 RB_{14} 6 10.5 255°.49 0°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.42	−24 37.4	2.502	3.384	9.7	21.0
5 21	17 31.63	−24 34.5	2.421	3.373	6.9	20.8
5 31	17 24.31	−24 28.7	2.365	3.363	3.7	20.5
6 10	17 16.14	−24 19.7	2.338	3.353	0.4	20.3
6 20	17 7.86	−24 8.0	2.339	3.342	3.3	20.5
6 30	17 0.25	−23 54.8	2.368	3.332	6.6	20.7
7 10	16 54.02	−23 41.6	2.422	3.321	9.6	20.9
7 20	16 49.63	−23 30.2	2.499	3.310	12.2	21.0

198523 2004 XX_{100} 6 10.5 272°.73 1°.2/10.7 18

5 11	17 40.52	−26 3.3	1.826	2.715	12.4	20.7
5 21	17 34.30	−26 11.4	1.749	2.704	8.8	20.5
5 31	17 25.91	−26 15.0	1.695	2.693	4.8	20.2
6 10	17 16.23	−26 13.1	1.668	2.682	1.2	19.9
6 20	17 6.34	−26 5.5	1.667	2.671	4.3	20.1
6 30	16 57.41	−25 53.7	1.693	2.660	8.5	20.4
7 10	16 50.42	−25 40.3	1.743	2.649	12.3	20.6
7 20	16 46.01	−25 27.9	1.813	2.638	15.6	20.8

62217 2000 SJ_{64} 6 10.5 14°.28 9°.8/ 8.3 18

5 11	17 36.78	− 3 28.4	1.407	2.287	15.8	18.9
5 21	17 31.66	− 2 5.8	1.358	2.290	12.9	18.7
5 31	17 24.45	− 0 59.8	1.331	2.293	10.6	18.6
6 10	17 16.15	− 0 16.4	1.326	2.296	9.8	18.6
6 20	17 7.86	+ 0 0.8	1.344	2.301	11.2	18.6
6 30	17 0.73	− 0 8.6	1.384	2.306	13.8	18.8
7 10	16 55.65	− 0 41.7	1.443	2.311	16.7	19.0
7 20	16 53.13	− 1 33.6	1.520	2.317	19.3	19.2

483155 2015 PO_{3} 6 10.5 321°.38 3°.8/10.3 18

5 11	17 36.72	−12 7.7	1.863	2.750	12.3	20.5
5 21	17 31.54	−12 11.7	1.781	2.731	9.1	20.2
5 31	17 24.44	−12 24.0	1.723	2.714	5.8	20.0
6 10	17 16.17	−12 45.6	1.691	2.696	3.8	19.9
6 20	17 7.63	−13 16.5	1.685	2.679	5.7	19.9
6 30	16 59.82	−13 56.0	1.705	2.663	9.2	20.1
7 10	16 53.63	−14 42.9	1.748	2.647	12.7	20.3
7 20	16 49.68	−15 35.6	1.812	2.631	15.8	20.5

87618 2000 RH_{48} 6 10.5 260°.04 8°.9/11.5 18

5 11	17 47.77	−45 46.5	1.952	2.781	14.2	19.0
5 21	17 40.00	−46 46.4	1.872	2.766	12.0	18.8
5 31	17 29.18	−47 28.4	1.815	2.751	10.0	18.6
6 10	17 16.42	−47 46.3	1.781	2.736	8.9	18.5
6 20	17 3.23	−47 37.0	1.772	2.720	9.5	18.5
6 30	16 51.32	−47 2.1	1.787	2.705	11.4	18.6
7 10	16 42.09	−46 7.5	1.825	2.688	13.9	18.7
7 20	16 36.33	−45 1.1	1.882	2.672	16.4	18.9

356758 2011 UP_{250} 6 10.5 252°.51 0°.5/10.5 18

5 11	17 37.77	−21 32.9	2.308	3.193	10.3	21.4
5 21	17 31.94	−21 33.5	2.232	3.187	7.2	21.2
5 31	17 24.51	−21 33.5	2.181	3.180	3.8	21.0
6 10	17 16.17	−21 32.8	2.158	3.173	0.5	20.7
6 20	17 7.72	−21 31.6	2.162	3.166	3.5	20.9
6 30	16 59.99	−21 30.7	2.195	3.159	7.0	21.1
7 10	16 53.72	−21 31.2	2.252	3.151	10.2	21.3
7 20	16 49.39	−21 34.2	2.332	3.144	12.9	21.5

510452 2011 WC_{20} 6 10.5 222°.15 1°.1/10.2 18

5 11	17 37.58	−20 46.5	2.611	3.492	9.4	21.5
5 21	17 31.60	−20 15.7	2.532	3.484	6.6	21.3
5 31	17 24.26	−19 43.4	2.480	3.477	3.6	21.1
6 10	17 16.16	−19 10.7	2.455	3.469	1.1	20.9
6 20	17 8.02	−18 39.0	2.460	3.461	3.5	21.1
6 30	17 0.56	−18 10.0	2.493	3.452	6.6	21.3
7 10	16 54.39	−17 45.4	2.552	3.443	9.5	21.4
7 20	16 49.94	−17 26.3	2.634	3.434	12.0	21.6

398039 2009 EB_{25} 6 10.5 83°.75 0°.4/10.6 17

5 11	17 38.86	−24 40.6	2.057	2.944	11.3	21.6
5 21	17 32.79	−24 35.7	1.992	2.947	7.9	21.4
5 31	17 24.96	−24 27.4	1.952	2.951	4.2	21.2
6 10	17 16.20	−24 15.5	1.939	2.954	0.5	20.9
6 20	17 7.43	−24 0.7	1.954	2.958	3.7	21.2
6 30	16 59.59	−23 44.5	1.995	2.962	7.5	21.4
7 10	16 53.45	−23 29.0	2.062	2.965	10.8	21.6
7 20	16 49.50	−23 16.2	2.149	2.969	13.7	21.8

428270 2007 DO_{55} 6 10.5 31°.22 3°.1/10.9 17

5 11	17 41.54	−29 15.6	1.447	2.341	14.6	21.1
5 21	17 35.33	−29 43.3	1.391	2.347	10.6	20.8
5 31	17 26.52	−30 3.1	1.358	2.353	6.3	20.6
6 10	17 16.28	−30 12.3	1.348	2.359	3.1	20.4
6 20	17 6.01	−30 10.2	1.364	2.366	5.5	20.6
6 30	16 57.13	−29 58.6	1.405	2.373	9.7	20.8
7 10	16 50.77	−29 41.7	1.467	2.381	13.7	21.1
7 20	16 47.48	−29 23.3	1.549	2.389	17.1	21.3

468659 2008 WO_{23} 6 10.5 274°.41 1°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.85	−21 5.9	1.833	2.724	12.2	20.2
5 21	17 33.65	−20 9.5	1.757	2.714	8.7	20.0
5 31	17 25.49	−19 9.5	1.705	2.703	4.7	19.7
6 10	17 16.25	−18 8.4	1.680	2.693	1.8	19.5
6 20	17 6.93	−17 9.4	1.683	2.683	4.8	19.7
6 30	16 58.60	−16 16.4	1.712	2.673	8.9	19.9
7 10	16 52.13	−15 32.4	1.765	2.663	12.6	20.1
7 20	16 48.03	−14 59.3	1.839	2.652	15.8	20.3

329767 2004 GS_{57} 6 10.5 74°.21 1°.2/10.7 17

5 11	17 42.79	−26 12.6	1.489	2.383	14.3	21.3
5 21	17 35.93	−26 12.4	1.439	2.397	10.1	21.0
5 31	17 26.72	−26 6.3	1.412	2.411	5.5	20.8
6 10	17 16.31	−25 53.6	1.411	2.425	1.2	20.5
6 20	17 6.04	−25 35.2	1.435	2.439	4.7	20.8
6 30	16 57.22	−25 13.6	1.484	2.453	9.2	21.1
7 10	16 50.80	−24 52.4	1.556	2.467	13.2	21.4
7 20	16 47.29	−24 34.3	1.648	2.481	16.5	21.6

331412 2012 FD_{57} 6 10.5 334°.47 0°.7/10.5 18

5 11	17 40.80	−20 4.8	1.363	2.265	14.9	19.8
5 21	17 34.94	−20 29.5	1.298	2.260	10.6	19.5
5 31	17 26.42	−20 57.1	1.254	2.255	5.6	19.2
6 10	17 16.31	−21 26.0	1.235	2.250	0.8	18.9
6 20	17 5.94	−21 54.8	1.241	2.246	5.1	19.2
6 30	16 56.78	−22 23.1	1.271	2.242	10.2	19.4
7 10	16 50.04	−22 51.4	1.323	2.239	14.7	19.7
7 20	16 46.40	−23 20.4	1.393	2.236	18.5	19.9

155272 2005 WT_{118} 6 10.5 187°.30 0°.5/10.4 18

5 11	17 37.07	−21 23.7	2.843	3.722	8.8	21.0
5 21	17 31.18	−21 17.6	2.769	3.721	6.2	20.8
5 31	17 24.03	−21 10.7	2.722	3.720	3.3	20.6
6 10	17 16.19	−21 3.2	2.704	3.719	0.6	20.4
6 20	17 8.30	−20 55.4	2.715	3.717	3.0	20.6
6 30	17 1.04	−20 48.4	2.754	3.715	5.9	20.8
7 10	16 54.97	−20 43.0	2.820	3.712	8.6	21.0
7 20	16 50.49	−20 40.2	2.908	3.710	10.9	21.1

386313 2008 SO_{65} 6 10.5 252°.47 0°.2/10.5 17

5 11	17 40.02	−23 4.4	1.903	2.792	11.9	21.8
5 21	17 33.81	−22 55.3	1.828	2.784	8.5	21.5
5 31	17 25.61	−22 43.5	1.777	2.776	4.5	21.3
6 10	17 16.27	−22 29.2	1.752	2.767	0.3	20.9
6 20	17 6.80	−22 13.1	1.755	2.759	4.1	21.2
6 30	16 58.25	−21 57.0	1.784	2.750	8.2	21.4
7 10	16 51.52	−21 42.9	1.837	2.741	11.9	21.6
7 20	16 47.16	−21 32.8	1.912	2.732	15.1	21.8

133178 2003 QK_{48} 6 10.6 284°.73 1°.9/10.2 18

5 11	17 41.61	−20 20.2	1.454	2.352	14.4	19.7
5 21	17 35.56	−19 48.9	1.368	2.328	10.3	19.4
5 31	17 26.83	−19 15.5	1.304	2.303	5.7	19.0
6 10	17 16.35	−18 41.3	1.264	2.278	1.9	18.7
6 20	17 5.43	−18 8.8	1.250	2.252	5.7	18.9
6 30	16 55.52	−17 41.0	1.260	2.227	10.8	19.1
7 10	16 47.87	−17 21.1	1.293	2.201	15.6	19.3
7 20	16 43.29	−17 11.0	1.343	2.175	19.7	19.5

308134 2004 XN_{191} 6 10.6 146°.66 0°.8/10.6 18

5 11	17 45.57	−23 41.9	1.759	2.642	13.1	20.8
5 21	17 37.77	−24 15.0	1.699	2.652	9.2	20.6
5 31	17 27.71	−24 46.1	1.663	2.661	4.9	20.3
6 10	17 16.39	−25 13.1	1.655	2.669	0.9	20.1
6 20	17 5.01	−25 34.5	1.674	2.677	4.4	20.3
6 30	16 54.81	−25 50.6	1.720	2.684	8.6	20.6
7 10	16 46.76	−26 3.2	1.791	2.691	12.4	20.9
7 20	16 41.45	−26 14.5	1.883	2.697	15.5	21.1

359760 2011 UW_{102} 6 10.6 265°.46 3°.9/ 9.4 18

5 11	17 37.16	−12 57.6	2.306	3.185	10.5	20.8
5 21	17 31.51	−12 14.3	2.223	3.168	7.8	20.6
5 31	17 24.31	−11 34.6	2.165	3.151	5.1	20.4
6 10	17 16.23	−11 0.7	2.134	3.134	3.9	20.3
6 20	17 8.01	−10 34.7	2.131	3.117	5.5	20.4
6 30	17 0.44	−10 18.2	2.155	3.099	8.4	20.5
7 10	16 54.22	−10 11.9	2.203	3.081	11.3	20.7
7 20	16 49.85	−10 15.5	2.272	3.063	13.9	20.8

41046 1999 VZ_{6} 6 10.6 201°.81 6°.6/ 8.9 18

5 11	17 35.36	+ 0 18.2	2.843	3.678	10.1	19.4
5 21	17 29.94	+ 0 52.2	2.776	3.674	8.4	19.3
5 31	17 23.37	+ 1 14.7	2.734	3.671	7.0	19.2
6 10	17 16.18	+ 1 23.6	2.718	3.667	6.6	19.2
6 20	17 8.94	+ 1 18.0	2.729	3.662	7.3	19.2
6 30	17 2.26	+ 0 57.7	2.765	3.658	8.8	19.3
7 10	16 56.65	+ 0 24.3	2.825	3.653	10.6	19.4
7 20	16 52.48	− 0 20.1	2.907	3.648	12.3	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491584 2012 SZ_3			6 10.6 277.°57		1.°5/10.7 18	
	h m	° ′			°	m
5 11	17 41.12	−26 28.1	1.894	2.779	12.2	21.5
5 21	17 34.83	−26 46.3	1.806	2.759	8.7	21.3
5 31	17 26.29	−27 0.7	1.742	2.739	4.9	21.0
6 10	17 16.34	−27 9.4	1.705	2.718	1.6	20.7
6 20	17 6.04	−27 11.6	1.694	2.698	4.4	20.9
6 30	16 56.56	−27 8.0	1.711	2.676	8.5	21.1
7 10	16 48.96	−27 1.2	1.751	2.655	12.4	21.3
7 20	16 43.92	−26 53.7	1.812	2.634	15.7	21.5
501574 2014 OO_{195}			6 10.6 304.°45		6.°4/ 9.7 17	
5 11	17 39.54	−11 37.6	1.154	2.058	16.8	21.0
5 21	17 34.47	−11 2.5	1.078	2.035	12.7	20.7
5 31	17 26.40	−10 37.2	1.022	2.013	8.6	20.4
6 10	17 16.36	−10 26.2	0.988	1.991	6.4	20.2
6 20	17 5.75	−10 32.4	0.976	1.969	8.9	20.2
6 30	16 56.24	−10 56.9	0.985	1.947	13.6	20.4
7 10	16 49.28	−11 38.7	1.014	1.927	18.5	20.6
7 20	16 45.76	−12 34.5	1.059	1.906	22.8	20.8
136801 1997 CC_{25}			6 10.6 343.°12		1.°9/10.7 17	
5 11	17 38.47	−25 42.0	1.124	2.037	16.4	19.6
5 21	17 33.81	−26 8.0	1.060	2.026	11.8	19.3
5 31	17 26.03	−26 30.2	1.016	2.017	6.5	19.0
6 10	17 16.33	−26 45.8	0.995	2.009	1.9	18.6
6 20	17 6.30	−26 53.5	0.996	2.002	5.8	18.9
6 30	16 57.71	−26 54.4	1.019	1.996	11.3	19.1
7 10	16 51.97	−26 51.9	1.062	1.991	16.3	19.4
7 20	16 49.86	−26 49.1	1.121	1.987	20.5	19.7
359764 2011 UP_{113}			6 10.6 175.°82		0.°5/10.5 18	
5 11	17 37.59	−21 31.2	2.708	3.587	9.1	22.4
5 21	17 31.60	−21 28.7	2.637	3.589	6.4	22.3
5 31	17 24.28	−21 25.5	2.592	3.590	3.4	22.1
6 10	17 16.25	−21 21.5	2.576	3.591	0.5	21.8
6 20	17 8.17	−21 17.1	2.589	3.592	3.1	22.1
6 30	17 0.76	−21 13.1	2.630	3.592	6.1	22.3
7 10	16 54.60	−21 10.5	2.698	3.592	8.9	22.4
7 20	16 50.12	−21 10.3	2.788	3.591	11.3	22.6
152436 2005 UA_{440}			6 10.6 141.°73		0.°8/10.3 17	
5 11	17 37.61	−21 41.9	2.600	3.481	9.4	20.4
5 21	17 31.58	−21 14.7	2.535	3.488	6.6	20.2
5 31	17 24.24	−20 45.9	2.497	3.494	3.5	20.0
6 10	17 16.24	−20 16.3	2.486	3.501	0.8	19.8
6 20	17 8.28	−19 47.3	2.505	3.507	3.3	20.0
6 30	17 1.06	−19 20.5	2.552	3.512	6.4	20.3
7 10	16 55.17	−18 57.5	2.625	3.518	9.2	20.4
7 20	16 51.00	−18 39.3	2.720	3.523	11.5	20.6
42606 1998 DD			6 10.6 85.°67		1.°9/10.7 18	
5 11	17 46.58	−26 5.0	1.447	2.337	14.9	18.5
5 21	17 38.65	−26 41.5	1.405	2.360	10.6	18.3
5 31	17 28.18	−27 12.7	1.386	2.383	5.8	18.1
6 10	17 16.46	−27 35.8	1.392	2.406	2.0	17.9
6 20	17 4.92	−27 49.5	1.425	2.428	5.0	18.1
6 30	16 54.98	−27 55.2	1.484	2.450	9.5	18.4
7 10	16 47.66	−27 56.1	1.565	2.472	13.4	18.7
7 20	16 43.46	−27 55.5	1.666	2.493	16.6	19.0
2935 Naerum			6 10.6 348.°12		8.°6/10.1 18	
5 11	17 37.55	− 3 40.9	1.416	2.295	15.8	16.5
5 21	17 32.38	− 3 16.6	1.356	2.290	12.7	16.3
5 31	17 24.98	− 3 10.7	1.316	2.285	9.8	16.1
6 10	17 16.29	− 3 26.8	1.299	2.281	8.6	16.0
6 20	17 7.46	− 4 5.5	1.306	2.278	9.8	16.1
6 30	16 59.70	− 5 5.3	1.335	2.276	12.7	16.3
7 10	16 54.01	− 6 21.9	1.386	2.274	16.0	16.5
7 20	16 50.98	− 7 50.1	1.454	2.273	19.1	16.7
147774 2005 QR_{89}			6 10.6 346.°90		0.°0/10.6 17	
5 11	17 35.82	−23 22.4	1.061	1.980	16.6	19.2
5 21	17 31.94	−23 19.8	0.998	1.968	11.8	18.9
5 31	17 25.04	−23 14.2	0.955	1.958	6.3	18.5
6 10	17 16.30	−23 5.7	0.934	1.949	0.3	18.1
6 20	17 7.29	−22 54.8	0.934	1.941	5.7	18.4
6 30	16 59.72	−22 44.1	0.956	1.935	11.5	18.7
7 10	16 54.95	−22 36.5	0.997	1.931	16.6	19.0
7 20	16 53.72	−22 34.0	1.055	1.928	21.0	19.3
508469 2016 NQ_{65}			6 10.6 151.°98		2.°6/10.1 17	
5 11	17 38.79	−16 15.4	1.960	2.847	11.7	21.8
5 21	17 32.77	−16 0.2	1.896	2.849	8.4	21.6
5 31	17 25.01	−15 48.2	1.855	2.850	4.9	21.4
6 10	17 16.29	−15 40.6	1.841	2.851	2.6	21.3
6 20	17 7.53	−15 38.0	1.855	2.853	4.8	21.4
6 30	16 59.67	−15 41.4	1.895	2.854	8.3	21.6
7 10	16 53.47	−15 51.0	1.959	2.855	11.7	21.9
7 20	16 49.44	−16 6.8	2.044	2.856	14.5	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
353639 2011 UQ_{81}			6 10.6 342.°03		3.°2/ 9.7 17	
	h m	° ′			°	m
5 11	17 36.82	−15 40.7	2.042	2.930	11.3	20.7
5 21	17 31.33	−14 58.5	1.975	2.928	8.2	20.5
5 31	17 24.23	−14 18.8	1.933	2.926	5.0	20.3
6 10	17 16.25	−13 43.8	1.918	2.924	3.2	20.2
6 20	17 8.25	−13 15.6	1.930	2.923	5.2	20.3
6 30	17 1.09	−12 56.0	1.968	2.922	8.4	20.5
7 10	16 55.48	−12 45.9	2.030	2.920	11.5	20.7
7 20	16 51.89	−12 45.1	2.112	2.919	14.3	20.9
187729 2008 FO_{61}			6 10.6 340.°72		8.°8/ 9.2 17	
5 11	17 35.23	+ 1 15.8	1.991	2.840	13.2	19.3
5 21	17 30.25	+ 1 54.0	1.928	2.833	11.1	19.2
5 31	17 23.68	+ 2 15.5	1.888	2.827	9.4	19.1
6 10	17 16.23	+ 2 17.0	1.870	2.822	8.8	19.0
6 20	17 8.69	+ 1 57.0	1.878	2.817	9.7	19.1
6 30	17 1.91	+ 1 16.2	1.908	2.812	11.5	19.2
7 10	16 56.60	+ 0 17.5	1.961	2.808	13.8	19.3
7 20	16 53.25	− 0 55.2	2.033	2.804	15.9	19.4
178508 1999 TF_{163}			6 10.6 190.°73		0.°5/10.6 17	
5 11	17 43.50	−24 1.8	1.888	2.772	12.3	20.9
5 21	17 36.28	−24 11.1	1.817	2.771	8.7	20.7
5 31	17 26.95	−24 17.6	1.771	2.769	4.6	20.5
6 10	17 16.41	−24 20.2	1.752	2.767	0.5	20.1
6 20	17 5.75	−24 18.9	1.760	2.764	4.1	20.4
6 30	16 56.11	−24 14.7	1.796	2.760	8.3	20.7
7 10	16 48.42	−24 9.8	1.856	2.756	12.0	20.9
7 20	16 43.25	−24 6.4	1.937	2.752	15.1	21.1
478230 2011 UP_{329}			6 10.6 223.°78		4.°3/11.4 18	
5 11	17 41.23	−36 20.4	2.383	3.242	11.0	21.9
5 21	17 34.56	−36 45.2	2.307	3.237	8.4	21.7
5 31	17 26.00	−36 59.6	2.257	3.232	5.9	21.6
6 10	17 16.37	−37 1.3	2.233	3.227	4.4	21.5
6 20	17 6.62	−36 49.8	2.236	3.222	5.3	21.5
6 30	16 57.76	−36 26.4	2.267	3.217	7.7	21.7
7 10	16 50.63	−35 54.7	2.322	3.211	10.4	21.8
7 20	16 45.77	−35 18.5	2.400	3.205	12.8	22.0
120442 1981 DW			6 10.6 41.°59		4.°1/11.6 18	
5 11	17 42.44	−33 59.5	1.514	2.398	14.7	19.3
5 21	17 35.85	−33 55.9	1.460	2.407	10.9	19.1
5 31	17 26.76	−33 38.1	1.427	2.416	7.0	18.9
6 10	17 16.41	−33 4.8	1.419	2.425	4.2	18.8
6 20	17 6.20	−32 17.5	1.436	2.435	5.8	18.9
6 30	16 57.52	−31 20.6	1.479	2.445	9.5	19.1
7 10	16 51.38	−30 20.4	1.544	2.456	13.3	19.4
7 20	16 48.27	−29 22.3	1.629	2.467	16.5	19.6
504868 2010 UU_{81}			6 10.6 271.°31		2.°6/10.8 17	
5 11	17 44.70	−28 7.1	1.642	2.528	13.7	21.9
5 21	17 37.81	−28 38.5	1.551	2.503	10.0	21.6
5 31	17 28.11	−29 5.0	1.483	2.478	5.9	21.3
6 10	17 16.51	−29 23.1	1.440	2.452	2.7	21.0
6 20	17 4.30	−29 30.8	1.424	2.425	5.4	21.1
6 30	16 53.01	−29 28.5	1.434	2.399	9.9	21.3
7 10	16 43.98	−29 19.5	1.467	2.371	14.3	21.5
7 20	16 38.08	−29 8.0	1.519	2.343	18.1	21.7
142402 2002 SH_{24}			6 10.6 252.°25		4.°1/ 9.9 18	
5 11	17 40.68	−13 35.4	1.679	2.566	13.4	20.3
5 21	17 34.45	−13 12.4	1.604	2.555	9.8	20.1
5 31	17 26.07	−12 55.2	1.552	2.544	6.2	19.9
6 10	17 16.39	−12 45.8	1.526	2.532	4.1	19.7
6 20	17 6.49	−12 45.6	1.526	2.520	6.3	19.8
6 30	16 57.53	−12 55.4	1.552	2.507	10.1	20.0
7 10	16 50.49	−13 15.1	1.600	2.495	13.9	20.2
7 20	16 46.00	−13 43.8	1.668	2.482	17.2	20.4
370236 2002 PQ_{122}			6 10.6 291.°37		4.°0/ 9.7 17	
5 11	17 40.84	−15 54.0	1.518	2.413	14.1	22.0
5 21	17 34.99	−15 11.8	1.425	2.381	10.4	21.7
5 31	17 26.56	−14 31.2	1.355	2.350	6.3	21.4
6 10	17 16.43	−13 55.0	1.309	2.317	4.0	21.2
6 20	17 5.75	−13 26.1	1.289	2.285	6.8	21.3
6 30	16 55.91	−13 7.8	1.294	2.252	11.4	21.4
7 10	16 48.13	−13 1.9	1.320	2.220	15.9	21.6
7 20	16 43.24	−13 8.9	1.364	2.187	19.9	21.8
245126 2004 RJ_{57}			6 10.6 228.°09		4.°7/ 9.6 17	
5 11	17 42.07	−13 51.6	1.527	2.417	14.3	21.0
5 21	17 35.52	−13 7.7	1.458	2.410	10.5	20.8
5 31	17 26.64	−12 28.6	1.412	2.403	6.7	20.6
6 10	17 16.42	−11 57.5	1.391	2.395	4.7	20.4
6 20	17 6.04	−11 37.1	1.395	2.387	7.0	20.5
6 30	16 56.77	−11 29.3	1.424	2.378	11.0	20.7
7 10	16 49.64	−11 34.5	1.476	2.369	14.9	20.9
7 20	16 45.27	−11 51.8	1.546	2.360	18.3	21.2

35214 1994 SC_5 6 10.6 118°.33 0°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.40	−24 20.9	2.391	3.273	10.1	20.4
5 21	17 32.30	−24 21.9	2.328	3.281	7.1	20.2
5 31	17 24.70	−24 20.1	2.291	3.289	3.8	20.0
6 10	17 16.31	−24 15.4	2.281	3.296	0.4	19.8
6 20	17 7.93	−24 8.0	2.300	3.303	3.3	20.0
6 30	17 0.35	−23 59.1	2.346	3.311	6.6	20.3
7 10	16 54.24	−23 50.3	2.418	3.318	9.6	20.5
7 20	16 50.04	−23 43.1	2.512	3.324	12.1	20.6

434669 2005 YG_{291} 6 10.6 150°.40 5°.7/ 9.8 17

5 11	17 39.69	− 5 31.4	2.285	3.142	11.4	22.1
5 21	17 33.12	− 5 11.6	2.227	3.152	8.9	21.9
5 31	17 25.10	− 5 2.3	2.194	3.160	6.7	21.8
6 10	17 16.34	− 5 5.2	2.187	3.169	5.7	21.8
6 20	17 7.58	− 5 20.9	2.208	3.176	6.7	21.8
6 30	16 59.62	− 5 48.9	2.256	3.183	8.9	22.0
7 10	16 53.09	− 6 27.6	2.329	3.190	11.4	22.2
7 20	16 48.42	− 7 14.9	2.422	3.195	13.6	22.3

376412 2012 GJ_2 6 10.6 338°.84 3°.5/10.8 17

5 11	17 40.35	−29 5.0	1.257	2.160	15.8	20.1
5 21	17 35.02	−29 41.7	1.192	2.151	11.6	19.9
5 31	17 26.66	−30 11.2	1.147	2.143	6.9	19.6
6 10	17 16.43	−30 29.7	1.125	2.135	3.6	19.3
6 20	17 5.88	−30 35.2	1.126	2.129	6.2	19.5
6 30	16 56.72	−30 29.2	1.151	2.123	11.0	19.7
7 10	16 50.32	−30 15.7	1.196	2.117	15.5	20.0
7 20	16 47.45	−29 59.4	1.259	2.113	19.4	20.2

439388 2013 AE_{118} 6 10.6 30°.63 3°.9/10.4 18

5 11	17 38.09	−10 25.5	2.159	3.034	11.3	20.3
5 21	17 32.18	−10 36.3	2.093	3.035	8.4	20.1
5 31	17 24.70	−10 55.7	2.051	3.037	5.5	19.9
6 10	17 16.32	−11 23.9	2.037	3.038	3.9	19.8
6 20	17 7.87	−12 0.5	2.050	3.039	5.3	19.9
6 30	17 0.16	−12 44.5	2.090	3.041	8.2	20.1
7 10	16 53.92	−13 34.4	2.154	3.042	11.1	20.3
7 20	16 49.64	−14 28.6	2.241	3.044	13.7	20.5

273917 2007 HB_{74} 6 10.6 354°.78 3°.9/10.8 18

5 11	17 38.97	−12 13.5	1.333	2.231	15.4	18.9
5 21	17 33.62	−12 45.2	1.270	2.227	11.3	18.7
5 31	17 25.76	−13 29.8	1.229	2.223	6.9	18.4
6 10	17 16.39	−14 26.6	1.212	2.221	3.9	18.2
6 20	17 6.78	−15 33.4	1.219	2.219	6.3	18.3
6 30	16 58.31	−16 46.8	1.250	2.218	10.7	18.6
7 10	16 52.12	−18 3.8	1.304	2.218	15.0	18.8
7 20	16 48.90	−19 21.5	1.376	2.220	18.7	19.1

295800 2008 UR_{286} 6 10.6 192°.46 1°.7/10.3 18

5 11	17 39.61	−18 29.7	2.019	2.905	11.5	21.5
5 21	17 33.37	−18 19.2	1.950	2.904	8.2	21.3
5 31	17 25.36	−18 10.1	1.906	2.903	4.5	21.1
6 10	17 16.36	−18 2.9	1.889	2.902	1.7	20.9
6 20	17 7.30	−17 58.4	1.899	2.900	4.3	21.1
6 30	16 59.11	−17 57.5	1.937	2.898	8.0	21.3
7 10	16 52.58	−18 1.1	1.999	2.896	11.4	21.5
7 20	16 48.23	−18 9.7	2.082	2.894	14.3	21.7

156269 2001 VP_{47} 6 10.6 106°.81 2°.9/ 9.5 18

5 11	17 42.64	−19 28.7	1.798	2.685	12.6	19.4
5 21	17 35.38	−18 4.7	1.743	2.697	9.0	19.2
5 31	17 26.31	−16 38.8	1.713	2.709	5.1	19.0
6 10	17 16.41	−15 15.1	1.711	2.721	2.9	18.8
6 20	17 6.71	−13 58.2	1.737	2.732	5.5	19.0
6 30	16 58.23	−12 52.3	1.791	2.743	9.2	19.3
7 10	16 51.71	−12 0.2	1.868	2.754	12.6	19.5
7 20	16 47.57	−11 22.4	1.966	2.765	15.5	19.7

86192 1999 SV_1 6 10.6 68°.74 1°.2/10.1 18

5 11	17 48.79	−28 21.7	0.986	1.891	18.9	16.6
5 21	17 40.84	−26 11.3	0.931	1.895	13.4	16.3
5 31	17 29.51	−23 40.0	0.898	1.899	7.1	16.0
6 10	17 16.58	−20 56.0	0.888	1.903	1.2	15.6
6 20	17 4.10	−18 12.8	0.903	1.907	6.9	16.0
6 30	16 53.92	−15 45.3	0.942	1.912	13.1	16.3
7 10	16 47.24	−13 44.0	1.002	1.916	18.5	16.7
7 20	16 44.45	−12 12.5	1.078	1.921	22.8	17.0

475082 2005 UC_{170} 6 10.6 166°.74 0°.2/10.6 18

5 11	17 37.50	−24 15.4	2.894	3.771	8.7	21.9
5 21	17 31.49	−24 9.4	2.824	3.774	6.1	21.7
5 31	17 24.23	−24 0.9	2.781	3.778	3.2	21.5
6 10	17 16.31	−23 49.9	2.766	3.781	0.3	21.3
6 20	17 8.38	−23 36.9	2.780	3.784	2.9	21.5
6 30	17 1.10	−23 22.9	2.823	3.786	5.7	21.7
7 10	16 55.03	−23 9.3	2.893	3.788	8.4	21.9
7 20	16 50.57	−22 57.5	2.986	3.789	10.6	22.0

500791 2013 EQ_{123} 6 10.6 350°.42 7°.2/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 32.46	−30 38.1	0.781	1.712	19.4	19.8
5 21	17 30.59	−32 13.6	0.725	1.697	14.7	19.5
5 31	17 24.80	−33 42.9	0.687	1.684	9.9	19.2
6 10	17 16.36	−34 56.3	0.667	1.674	7.2	19.0
6 20	17 7.28	−35 46.0	0.666	1.666	9.7	19.1
6 30	17 0.00	−36 9.8	0.682	1.661	14.7	19.3
7 10	16 56.50	−36 12.5	0.714	1.659	19.8	19.6
7 20	16 57.71	−36 0.6	0.759	1.659	24.3	19.8

468838 2012 UM_{31} 6 10.6 315°.59 6°.0/ 8.5 16

5 11	17 37.40	−13 29.1	1.452	2.350	14.3	20.6
5 21	17 32.53	−12 4.7	1.364	2.319	10.8	20.3
5 31	17 25.24	−10 41.0	1.298	2.287	7.4	20.0
6 10	17 16.38	− 9 23.6	1.257	2.256	6.1	19.8
6 20	17 7.10	− 8 18.7	1.240	2.225	8.5	19.9
6 30	16 58.70	− 7 31.3	1.246	2.195	12.7	20.0
7 10	16 52.34	− 7 4.2	1.273	2.166	16.9	20.2
7 20	16 48.77	− 6 57.3	1.317	2.137	20.6	20.4

85781 1998 VP_2 6 10.6 191°.37 1°.6/10.2 18

5 11	17 41.74	−19 52.0	2.048	2.931	11.5	19.7
5 21	17 34.83	−19 23.0	1.977	2.929	8.1	19.5
5 31	17 26.12	−18 53.1	1.931	2.927	4.5	19.3
6 10	17 16.43	−18 23.5	1.912	2.925	1.6	19.0
6 20	17 6.69	−17 55.9	1.921	2.922	4.3	19.2
6 30	16 57.88	−17 32.2	1.959	2.918	8.1	19.5
7 10	16 50.79	−17 14.3	2.020	2.913	11.5	19.7
7 20	16 45.92	−17 3.3	2.104	2.908	14.4	19.8

502043 2015 AD_{146} 6 10.6 39°.69 1°.2/10.7 17

5 11	17 41.26	−25 27.2	1.447	2.345	14.4	20.8
5 21	17 35.07	−25 38.1	1.392	2.351	10.2	20.5
5 31	17 26.43	−25 44.5	1.359	2.358	5.5	20.3
6 10	17 16.44	−25 45.2	1.350	2.365	1.2	20.0
6 20	17 6.46	−25 40.2	1.367	2.372	4.8	20.3
6 30	16 57.82	−25 31.2	1.409	2.380	9.4	20.6
7 10	16 51.58	−25 21.2	1.473	2.388	13.6	20.8
7 20	16 48.30	−25 13.0	1.557	2.396	17.0	21.1

436490 2011 EO_{36} 6 10.6 75°.52 6°.4/11.3 17

5 11	17 44.87	−37 32.1	1.696	2.563	14.3	21.2
5 21	17 37.75	−38 24.5	1.635	2.567	11.1	21.0
5 31	17 27.93	−39 3.1	1.598	2.570	8.1	20.8
6 10	17 16.54	−39 23.0	1.584	2.574	6.4	20.7
6 20	17 5.02	−39 22.4	1.596	2.578	7.4	20.8
6 30	16 54.86	−39 3.3	1.634	2.582	10.2	21.0
7 10	16 47.24	−38 31.0	1.693	2.586	13.3	21.2
7 20	16 42.80	−37 51.8	1.773	2.590	16.2	21.4

103282 2000 AX_{37} 6 10.6 202°.89 0°.7/10.5 18

5 11	17 39.99	−20 33.2	2.286	3.167	10.5	20.7
5 21	17 33.55	−20 37.5	2.211	3.164	7.4	20.5
5 31	17 25.45	−20 41.8	2.162	3.160	4.0	20.2
6 10	17 16.41	−20 46.0	2.140	3.155	0.8	20.0
6 20	17 7.25	−20 50.2	2.147	3.150	3.6	20.2
6 30	16 58.85	−20 54.9	2.182	3.145	7.2	20.4
7 10	16 51.96	−21 1.1	2.243	3.139	10.4	20.6
7 20	16 47.07	−21 9.6	2.325	3.133	13.1	20.8

24988 Alainmilsztajn 6 10.6 183°.97 2°.3/10.1 18

5 11	17 41.89	−18 0.0	1.860	2.746	12.3	19.3
5 21	17 35.06	−17 34.6	1.793	2.746	8.8	19.1
5 31	17 26.29	−17 10.5	1.750	2.746	5.0	18.8
6 10	17 16.45	−16 48.8	1.734	2.746	2.3	18.6
6 20	17 6.57	−16 31.0	1.746	2.745	4.9	18.8
6 30	16 57.69	−16 18.7	1.784	2.743	8.7	19.0
7 10	16 50.66	−16 13.3	1.846	2.741	12.3	19.3
7 20	16 46.01	−16 15.2	1.929	2.738	15.4	19.5

172016 2001 UY_{112} 6 10.6 132°.62 1°.9/11.0 18

5 11	17 40.08	−29 34.2	2.662	3.532	9.6	20.8
5 21	17 33.40	−29 46.0	2.601	3.545	6.9	20.6
5 31	17 25.28	−29 52.1	2.566	3.557	4.0	20.5
6 10	17 16.41	−29 51.4	2.559	3.569	2.0	20.3
6 20	17 7.56	−29 44.1	2.581	3.580	3.5	20.5
6 30	16 59.51	−29 31.3	2.631	3.591	6.2	20.7
7 10	16 52.90	−29 15.2	2.708	3.602	8.9	20.8
7 20	16 48.16	−28 58.0	2.807	3.612	11.2	21.0

288970 2004 TC_{38} 6 10.6 24°.28 0°.6/10.6 17

5 11	17 41.48	−23 59.6	1.112	2.023	16.8	20.3
5 21	17 35.72	−24 8.0	1.061	2.027	11.9	20.0
5 31	17 26.95	−24 13.2	1.030	2.032	6.3	19.7
6 10	17 16.50	−24 13.7	1.022	2.037	0.7	19.3
6 20	17 6.04	−24 9.8	1.037	2.043	5.6	19.7
6 30	16 57.23	−24 3.4	1.075	2.050	11.0	20.0
7 10	16 51.35	−23 57.9	1.133	2.058	15.9	20.3
7 20	16 48.97	−23 55.6	1.208	2.066	19.9	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
149994 2005 UZ_{73}			6 10.6 283°.15		0°.1/10.6 18	
	h m	° ′			°	m
5 11	17 38.05	−22 38.9	2.266	3.151	10.4	19.7
5 21	17 32.24	−22 51.7	2.193	3.147	7.4	19.5
5 31	17 24.78	−23 3.6	2.144	3.143	3.9	19.3
6 10	17 16.38	−23 14.0	2.123	3.139	0.2	19.0
6 20	17 7.86	−23 22.5	2.130	3.134	3.5	19.3
6 30	17 0.09	−23 29.7	2.165	3.130	7.0	19.5
7 10	16 53.81	−23 36.6	2.225	3.126	10.2	19.7
7 20	16 49.51	−23 44.2	2.306	3.122	13.0	19.8
253931 2004 CQ_{78}			6 10.6 114°.43		1°.8/10.3 17	
5 11	17 43.07	−18 24.6	1.765	2.651	12.9	21.2
5 21	17 35.82	−18 17.7	1.714	2.668	9.1	21.0
5 31	17 26.64	−18 12.7	1.688	2.685	5.0	20.8
6 10	17 16.49	−18 9.8	1.688	2.701	1.8	20.6
6 20	17 6.45	−18 9.5	1.716	2.717	4.6	20.8
6 30	16 57.58	−18 12.7	1.770	2.732	8.6	21.1
7 10	16 50.71	−18 20.2	1.848	2.746	12.1	21.4
7 20	16 46.31	−18 32.4	1.947	2.760	15.1	21.6
510108 2010 RR_{100}			6 10.6 280°.53		7°.3/11.8 18	
5 11	17 43.39	−44 32.6	2.333	3.162	12.2	21.1
5 21	17 36.43	−45 19.3	2.258	3.155	10.1	20.9
5 31	17 27.16	−45 50.8	2.206	3.147	8.2	20.8
6 10	17 16.52	−46 3.2	2.179	3.139	7.3	20.7
6 20	17 5.67	−45 54.9	2.178	3.131	7.8	20.7
6 30	16 55.85	−45 27.3	2.202	3.123	9.4	20.8
7 10	16 48.09	−44 44.8	2.250	3.115	11.6	20.9
7 20	16 43.04	−43 52.9	2.318	3.107	13.7	21.1
367933 2012 CG_{26}			6 10.6 28°.92		2°.5/10.9 17	
5 11	17 41.40	−28 9.5	1.160	2.066	16.6	20.7
5 21	17 35.59	−28 18.5	1.111	2.074	11.9	20.4
5 31	17 26.83	−28 18.8	1.084	2.082	6.7	20.2
6 10	17 16.51	−28 8.6	1.078	2.091	2.5	19.9
6 20	17 6.26	−27 48.5	1.096	2.101	5.7	20.2
6 30	16 57.73	−27 21.9	1.138	2.112	10.7	20.5
7 10	16 52.10	−26 53.9	1.199	2.124	15.2	20.8
7 20	16 49.91	−26 28.6	1.279	2.136	19.0	21.1
39908 1998 FW_{34}			6 10.6 213°.59		2°.0/10.2 18	
5 11	17 42.13	−19 9.8	1.595	2.487	13.6	18.4
5 21	17 35.54	−18 48.5	1.527	2.484	9.7	18.1
5 31	17 26.67	−18 27.6	1.483	2.481	5.4	17.9
6 10	17 16.51	−18 8.4	1.464	2.477	2.0	17.6
6 20	17 6.23	−17 52.3	1.471	2.472	5.2	17.8
6 30	16 57.08	−17 41.1	1.504	2.468	9.6	18.1
7 10	16 50.06	−17 36.5	1.560	2.463	13.7	18.3
7 20	16 45.76	−17 39.2	1.635	2.458	17.1	18.5
22953 1999 TW_{245}			6 10.6 158°.58		5°.0/ 9.7 18	
5 11	17 38.72	− 9 40.4	2.047	2.922	11.8	19.7
5 21	17 32.65	− 9 10.1	1.985	2.925	8.9	19.5
5 31	17 24.96	− 8 47.8	1.948	2.928	6.2	19.4
6 10	17 16.41	− 8 35.5	1.937	2.931	5.0	19.3
6 20	17 7.84	− 8 34.6	1.953	2.933	6.4	19.4
6 30	17 0.11	− 8 45.3	1.995	2.936	9.1	19.5
7 10	16 53.95	− 9 6.9	2.060	2.938	12.0	19.7
7 20	16 49.80	− 9 37.9	2.147	2.939	14.5	19.9
491672 2012 UV_{5}			6 10.6 218°.08		0°.5/10.5 17	
5 11	17 39.69	−21 49.2	2.061	2.947	11.3	21.8
5 21	17 33.48	−21 46.3	1.989	2.943	8.0	21.6
5 31	17 25.47	−21 42.4	1.941	2.940	4.2	21.4
6 10	17 16.44	−21 37.3	1.921	2.936	0.5	21.1
6 20	17 7.32	−21 31.5	1.928	2.931	3.9	21.3
6 30	16 59.05	−21 26.1	1.962	2.927	7.7	21.5
7 10	16 52.44	−21 22.6	2.021	2.923	11.1	21.7
7 20	16 48.02	−21 22.2	2.102	2.918	14.1	21.9
438261 2005 WB_{163}			6 10.6	1°.51	5°.6/ 8.1 18	
5 11	17 46.01	−22 39.6	0.880	1.796	19.4	19.7
5 21	17 39.10	−19 35.0	0.827	1.795	13.9	19.4
5 31	17 28.73	−16 13.5	0.795	1.795	8.1	19.0
6 10	17 16.63	−12 50.4	0.787	1.795	5.7	18.9
6 20	17 4.83	− 9 44.6	0.802	1.795	10.2	19.1
6 30	16 55.24	− 7 12.2	0.838	1.796	16.0	19.5
7 10	16 49.11	− 5 20.9	0.894	1.798	21.2	19.8
7 20	16 46.90	− 4 9.5	0.963	1.799	25.3	20.1
500804 2013 GH_{21}			6 10.6 66°.75		1°.9/10.9 17	
5 11	17 44.39	−27 46.4	1.232	2.132	16.3	21.6
5 21	17 37.51	−27 44.9	1.185	2.144	11.6	21.3
5 31	17 27.77	−27 34.8	1.158	2.157	6.4	21.1
6 10	17 16.59	−27 14.9	1.155	2.169	2.0	20.8
6 20	17 5.57	−26 46.5	1.177	2.182	5.4	21.1
6 30	16 56.31	−26 13.5	1.223	2.195	10.4	21.4
7 10	16 49.92	−25 40.8	1.290	2.208	14.9	21.7
7 20	16 46.92	−25 12.4	1.375	2.221	18.5	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
271768 2004 SK_{42}			6 10.6 256°.15		0°.1/10.6 18	
	h m	° ′			°	m
5 11	17 37.63	−24 7.8	2.523	3.404	9.7	21.4
5 21	17 31.84	−23 57.2	2.440	3.392	6.8	21.2
5 31	17 24.55	−23 43.7	2.383	3.380	3.6	21.0
6 10	17 16.41	−23 27.3	2.353	3.368	0.2	20.7
6 20	17 8.16	−23 8.7	2.352	3.356	3.2	20.9
6 30	17 0.58	−22 49.4	2.379	3.344	6.6	21.1
7 10	16 54.35	−22 31.1	2.432	3.331	9.6	21.3
7 20	16 49.94	−22 15.4	2.508	3.318	12.2	21.4
69607 1998 FZ_{41}			6 10.6 34°.28		0°.6/10.5 17	
5 11	17 40.59	−22 49.6	1.103	2.015	16.7	18.4
5 21	17 34.91	−22 33.2	1.060	2.027	11.8	18.2
5 31	17 26.42	−22 14.1	1.038	2.039	6.2	17.9
6 10	17 16.51	−21 53.0	1.038	2.053	0.7	17.6
6 20	17 6.78	−21 31.7	1.061	2.067	5.5	18.0
6 30	16 58.77	−21 13.2	1.107	2.082	10.9	18.3
7 10	16 53.58	−21 0.4	1.173	2.098	15.5	18.6
7 20	16 51.69	−20 54.6	1.257	2.114	19.3	18.9
505159 2012 QN_{49}			6 10.6 349°.21		0°.2/10.5 17	
5 11	17 38.97	−25 57.4	1.347	2.251	14.9	19.8
5 21	17 33.61	−25 0.3	1.282	2.245	10.5	19.6
5 31	17 25.74	−23 53.7	1.239	2.239	5.6	19.3
6 10	17 16.49	−22 40.1	1.220	2.235	0.4	18.9
6 20	17 7.23	−21 24.2	1.226	2.231	5.1	19.2
6 30	16 59.35	−20 11.8	1.256	2.228	10.2	19.5
7 10	16 53.90	−19 8.6	1.308	2.227	14.7	19.7
7 20	16 51.44	−18 17.8	1.379	2.226	18.5	20.0
512544 2016 SE_{9}			6 10.6 290°.52		5°.9/10.6 17	
5 11	17 43.90	−35 56.8	1.861	2.729	13.2	20.8
5 21	17 37.20	−37 5.8	1.779	2.712	10.3	20.6
5 31	17 27.81	−38 5.6	1.721	2.695	7.4	20.4
6 10	17 16.62	−38 50.7	1.688	2.679	5.9	20.2
6 20	17 4.91	−39 17.5	1.681	2.662	7.2	20.3
6 30	16 54.11	−39 25.8	1.699	2.645	10.1	20.4
7 10	16 45.52	−39 19.0	1.741	2.628	13.3	20.6
7 20	16 39.97	−39 2.3	1.802	2.612	16.3	20.7
434268 2003 WZ_{13}			6 10.6 195°.88		2°.8/ 9.8 17	
5 11	17 39.06	−17 4.0	2.066	2.951	11.3	21.6
5 21	17 32.93	−16 18.9	1.998	2.950	8.1	21.4
5 31	17 25.14	−15 34.9	1.955	2.949	4.8	21.2
6 10	17 16.46	−14 54.1	1.939	2.947	2.8	21.1
6 20	17 7.77	−14 18.8	1.951	2.946	4.9	21.2
6 30	16 59.94	−13 51.1	1.989	2.944	8.3	21.4
7 10	16 53.72	−13 32.3	2.052	2.942	11.5	21.6
7 20	16 49.58	−13 22.9	2.136	2.939	14.3	21.8
232488 2003 OW_{3}			6 10.6 278°.69		6°.5/ 9.6 18	
5 11	17 38.85	− 6 13.9	1.895	2.765	12.9	20.2
5 21	17 33.07	− 5 46.0	1.812	2.744	10.1	19.9
5 31	17 25.37	− 5 29.4	1.752	2.723	7.6	19.7
6 10	17 16.49	− 5 26.9	1.717	2.702	6.5	19.6
6 20	17 7.32	− 5 40.3	1.708	2.681	7.9	19.7
6 30	16 58.86	− 6 9.7	1.724	2.659	10.7	19.8
7 10	16 52.00	− 6 53.7	1.763	2.637	13.8	19.9
7 20	16 47.35	− 7 49.5	1.822	2.615	16.7	20.1
256782 2008 CR_{16}			6 10.6 169°.01		0°.1/10.6 17	
5 11	17 43.32	−23 21.2	1.877	2.761	12.3	22.2
5 21	17 36.12	−23 16.0	1.811	2.765	8.7	22.0
5 31	17 26.90	−23 7.8	1.770	2.768	4.6	21.8
6 10	17 16.57	−22 56.6	1.756	2.771	0.3	21.4
6 20	17 6.21	−22 42.8	1.770	2.773	4.1	21.7
6 30	16 56.93	−22 28.4	1.810	2.775	8.2	22.0
7 10	16 49.59	−22 15.4	1.876	2.776	11.9	22.2
7 20	16 44.74	−22 5.9	1.962	2.776	15.0	22.4
301784 2010 JS_{170}			6 10.6 337°.34		3°.5/ 9.9 17	
5 11	17 37.67	−14 26.0	1.867	2.756	12.2	20.8
5 21	17 32.13	−14 2.2	1.801	2.753	8.8	20.6
5 31	17 24.79	−13 43.2	1.758	2.750	5.4	20.4
6 10	17 16.45	−13 30.7	1.742	2.748	3.5	20.2
6 20	17 8.04	−13 25.8	1.752	2.746	5.5	20.4
6 30	17 0.52	−13 29.4	1.788	2.744	8.9	20.6
7 10	16 54.67	−13 41.6	1.847	2.742	12.3	20.8
7 20	16 51.03	−14 1.7	1.926	2.741	15.2	21.0
269008 2007 EM_{136}			6 10.6 106°.13		4°.4/11.3 17	
5 11	17 45.22	−34 10.0	1.822	2.693	13.3	21.0
5 21	17 37.61	−34 40.2	1.769	2.708	9.9	20.8
5 31	17 27.71	−34 58.9	1.739	2.722	6.5	20.7
6 10	17 16.62	−35 3.1	1.736	2.737	4.4	20.6
6 20	17 5.59	−34 52.5	1.759	2.751	5.7	20.7
6 30	16 55.90	−34 29.4	1.808	2.764	8.8	20.9
7 10	16 48.51	−33 58.4	1.881	2.778	12.0	21.1
7 20	16 43.93	−33 24.3	1.975	2.791	14.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314404 2005 UA_{251}			6 10.6 210°.03		5°.5/11.8 18	
	h m	° ′			°	m
5 11	17 42.96	−43 14.8	3.027	3.850	9.8	22.0
5 21	17 35.67	−43 48.9	2.948	3.844	8.0	21.8
5 31	17 26.62	−44 10.9	2.893	3.836	6.4	21.7
6 10	17 16.56	−44 18.3	2.865	3.829	5.5	21.6
6 20	17 6.36	−44 10.2	2.865	3.821	6.0	21.7
6 30	16 56.93	−43 47.7	2.891	3.812	7.4	21.7
7 10	16 49.07	−43 13.8	2.943	3.803	9.3	21.9
7 20	16 43.29	−42 32.4	3.018	3.794	11.1	22.0
7213 Conae			6 10.6 340°.58		3°.2/10.9 18	R
5 11	17 36.02	−28 31.4	1.110	2.025	16.4	16.5
5 21	17 32.29	−28 54.7	1.040	2.006	12.0	16.2
5 31	17 25.41	−29 10.3	0.989	1.988	7.1	15.9
6 10	17 16.50	−29 15.4	0.960	1.972	3.2	15.6
6 20	17 7.16	−29 8.5	0.953	1.958	6.3	15.7
6 30	16 59.18	−28 51.6	0.967	1.945	11.6	16.0
7 10	16 54.06	−28 29.4	1.001	1.934	16.6	16.2
7 20	16 52.64	−28 6.6	1.051	1.925	20.9	16.5
8790 1978 VN_{9}			6 10.6 277°.95		0°.5/10.5 18	
5 11	17 40.18	−21 37.9	1.784	2.675	12.5	18.2
5 21	17 34.13	−21 43.1	1.709	2.666	8.9	18.0
5 31	17 25.96	−21 47.8	1.657	2.656	4.7	17.7
6 10	17 16.53	−21 51.6	1.632	2.647	0.5	17.4
6 20	17 6.89	−21 54.6	1.633	2.637	4.3	17.7
6 30	16 58.18	−21 57.5	1.661	2.628	8.6	17.9
7 10	16 51.36	−22 1.7	1.712	2.619	12.5	18.1
7 20	16 47.05	−22 8.7	1.784	2.609	15.8	18.3
26802 1981 EJ_{24}			6 10.6 356°.92		5°.1/11.1 18	
5 11	17 41.97	−32 37.1	1.307	2.201	15.9	18.4
5 21	17 36.14	−33 18.9	1.246	2.198	11.9	18.1
5 31	17 27.28	−33 49.3	1.207	2.197	7.7	17.9
6 10	17 16.61	−34 3.9	1.191	2.196	5.1	17.7
6 20	17 5.74	−34 0.8	1.198	2.195	6.9	17.8
6 30	16 56.38	−33 42.4	1.229	2.195	11.0	18.0
7 10	16 49.87	−33 14.0	1.280	2.196	15.1	18.3
7 20	16 46.88	−32 41.6	1.350	2.198	18.7	18.5
20790 2000 SE_{45}			6 10.6 96°.48		2°.2/11.3 18	
5 11	17 46.20	−31 24.1	2.613	3.471	10.2	21.8
5 21	17 37.45	−31 24.2	2.574	3.511	7.3	21.7
5 31	17 27.31	−31 16.2	2.562	3.550	4.4	21.6
6 10	17 16.60	−30 59.6	2.579	3.587	2.3	21.5
6 20	17 6.18	−30 35.0	2.627	3.624	3.6	21.6
6 30	16 56.87	−30 4.8	2.704	3.660	6.3	21.9
7 10	16 49.28	−29 32.0	2.807	3.694	8.9	22.1
7 20	16 43.74	−28 59.4	2.935	3.728	11.0	22.3
49962 1999 XU_{227}			6 10.6 94°.97		1°.1/10.5 18	
5 11	17 42.01	−20 22.2	1.541	2.436	13.9	18.8
5 21	17 35.46	−20 21.8	1.484	2.443	9.8	18.5
5 31	17 26.63	−20 21.9	1.450	2.450	5.2	18.3
6 10	17 16.57	−20 22.5	1.442	2.456	1.1	18.0
6 20	17 6.49	−20 23.7	1.459	2.463	4.8	18.3
6 30	16 57.65	−20 26.6	1.502	2.469	9.3	18.6
7 10	16 51.03	−20 32.6	1.568	2.476	13.3	18.8
7 20	16 47.16	−20 42.7	1.653	2.482	16.7	19.1
397102 2005 UX_{511}			6 10.6 124°.55		1°.6/10.1 17	
5 11	17 37.15	−19 24.7	2.432	3.316	9.9	21.3
5 21	17 31.40	−18 54.7	2.367	3.320	7.0	21.1
5 31	17 24.27	−18 24.7	2.328	3.325	3.8	20.9
6 10	17 16.43	−17 55.7	2.316	3.329	1.6	20.7
6 20	17 8.61	−17 29.2	2.333	3.333	3.7	20.9
6 30	17 1.54	−17 6.8	2.378	3.337	6.9	21.1
7 10	16 55.84	−16 49.7	2.448	3.341	9.7	21.3
7 20	16 51.91	−16 38.7	2.540	3.345	12.2	21.5
204922 2008 SY_{206}			6 10.6 50°.97		0°.2/10.6 18	
5 11	17 40.73	−22 31.8	1.785	2.675	12.5	19.9
5 21	17 34.45	−22 52.3	1.720	2.677	8.8	19.7
5 31	17 26.08	−23 12.1	1.679	2.678	4.7	19.5
6 10	17 16.54	−23 30.1	1.665	2.680	0.3	19.1
6 20	17 6.88	−23 45.3	1.677	2.682	4.2	19.4
6 30	16 58.22	−23 58.2	1.716	2.683	8.3	19.7
7 10	16 51.51	−24 10.0	1.778	2.685	12.1	19.9
7 20	16 47.30	−24 22.2	1.861	2.687	15.2	20.1
12135 Terlingen			6 10.6 54°.00		4°.0/11.8 18	R
5 11	17 40.85	−35 49.2	2.120	2.987	11.8	17.7
5 21	17 34.30	−35 44.7	2.059	2.994	8.9	17.6
5 31	17 25.88	−35 28.1	2.021	3.002	6.0	17.4
6 10	17 16.52	−34 58.2	2.009	3.009	4.0	17.3
6 20	17 7.26	−34 16.0	2.024	3.017	5.0	17.4
6 30	16 59.12	−33 24.6	2.066	3.025	7.8	17.5
7 10	16 52.88	−32 28.5	2.133	3.033	10.7	17.7
7 20	16 49.01	−31 32.0	2.222	3.041	13.3	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423268 2004 VC_{22}			6 10.6 183°.78		1°.6/10.7 18	
	h m	° ′			°	m
5 11	17 42.66	−26 10.1	2.085	2.965	11.5	20.9
5 21	17 35.68	−26 47.0	2.015	2.965	8.2	20.7
5 31	17 26.72	−27 20.9	1.970	2.965	4.6	20.4
6 10	17 16.59	−27 49.3	1.952	2.965	1.7	20.2
6 20	17 6.28	−28 11.0	1.962	2.964	4.1	20.4
6 30	16 56.86	−28 26.1	2.000	2.963	7.7	20.6
7 10	16 49.22	−28 36.2	2.063	2.961	11.1	20.8
7 20	16 43.94	−28 43.5	2.148	2.959	13.9	21.0
519188 2010 PK_{7}			6 10.6 289°.58		2°.5/11.3 18	
5 11	17 39.01	−31 38.1	2.286	3.160	10.8	21.0
5 21	17 33.01	−31 33.4	2.206	3.150	7.9	20.8
5 31	17 25.25	−31 20.2	2.150	3.140	4.8	20.6
6 10	17 16.50	−30 57.8	2.122	3.130	2.6	20.4
6 20	17 7.67	−30 26.5	2.121	3.120	4.1	20.5
6 30	16 59.68	−29 48.7	2.148	3.111	7.2	20.7
7 10	16 53.32	−29 7.5	2.199	3.101	10.3	20.8
7 20	16 49.11	−28 26.4	2.273	3.091	13.1	21.0
377922 2006 EN_{45}			6 10.6 84°.49		0°.7/10.8 17	
5 11	17 41.75	−25 49.5	1.768	2.656	12.7	20.9
5 21	17 35.00	−25 38.1	1.715	2.670	9.0	20.7
5 31	17 26.27	−25 21.4	1.687	2.685	4.8	20.5
6 10	17 16.56	−24 59.6	1.685	2.699	0.8	20.2
6 20	17 6.97	−24 33.9	1.709	2.714	4.1	20.5
6 30	16 58.60	−24 6.7	1.761	2.728	8.2	20.8
7 10	16 52.28	−23 41.0	1.836	2.742	11.8	21.0
7 20	16 48.47	−23 19.2	1.932	2.756	14.8	21.3
85560 1998 BN			6 10.6 162°.81		4°.6/11.6 18	
5 11	17 42.05	−37 1.9	2.294	3.152	11.4	19.1
5 21	17 35.19	−37 22.7	2.226	3.154	8.7	18.9
5 31	17 26.40	−37 32.1	2.182	3.156	6.2	18.8
6 10	17 16.57	−37 27.8	2.165	3.158	4.6	18.7
6 20	17 6.70	−37 9.5	2.174	3.159	5.5	18.7
6 30	16 57.82	−36 39.1	2.211	3.161	7.9	18.9
7 10	16 50.78	−36 0.5	2.273	3.162	10.5	19.1
7 20	16 46.10	−35 17.9	2.356	3.163	13.0	19.2
423912 2006 SX_{317}			6 10.6 166°.39		1°.2/10.8 17	
5 11	17 43.93	−25 52.2	1.914	2.795	12.3	22.2
5 21	17 36.60	−26 8.2	1.848	2.800	8.7	22.0
5 31	17 27.19	−26 19.9	1.807	2.804	4.8	21.7
6 10	17 16.62	−26 25.9	1.793	2.807	1.3	21.5
6 20	17 5.98	−26 26.0	1.807	2.810	4.1	21.7
6 30	16 56.39	−26 21.1	1.848	2.812	8.1	21.9
7 10	16 48.78	−26 13.9	1.913	2.814	11.7	22.2
7 20	16 43.70	−26 6.8	2.000	2.815	14.7	22.4
205674 2001 XT_{229}			6 10.6 106°.91		1°.0/10.6 18	
5 11	17 44.95	−23 21.8	1.379	2.275	15.1	20.1
5 21	17 37.89	−24 0.0	1.323	2.281	10.7	19.9
5 31	17 28.07	−24 37.3	1.288	2.287	5.8	19.6
6 10	17 16.68	−25 10.5	1.278	2.293	1.0	19.3
6 20	17 5.17	−25 37.6	1.294	2.299	5.1	19.6
6 30	16 55.06	−25 58.7	1.335	2.305	10.0	19.9
7 10	16 47.55	−26 15.6	1.399	2.310	14.4	20.2
7 20	16 43.28	−26 30.9	1.481	2.316	18.0	20.4
156416 2002 AZ_{73}			6 10.6 188°.22		0°.1/10.6 17	
5 11	17 41.08	−22 51.1	1.740	2.631	12.8	20.1
5 21	17 34.73	−22 54.0	1.674	2.631	9.0	19.8
5 31	17 26.25	−22 55.1	1.632	2.631	4.8	19.6
6 10	17 16.58	−22 53.8	1.616	2.631	0.3	19.2
6 20	17 6.81	−22 50.4	1.626	2.630	4.3	19.5
6 30	16 58.10	−22 46.1	1.663	2.630	8.6	19.8
7 10	16 51.39	−22 42.8	1.723	2.630	12.4	20.0
7 20	16 47.24	−22 42.3	1.803	2.629	15.6	20.2
302133 2001 RG_{35}			6 10.6 240°.62		5°.6/ 9.5 16	
5 11	17 42.53	−11 19.8	1.583	2.467	14.2	20.9
5 21	17 35.93	−10 36.1	1.507	2.454	10.7	20.6
5 31	17 26.99	− 9 59.5	1.455	2.440	7.3	20.4
6 10	17 16.65	− 9 33.3	1.427	2.426	5.6	20.2
6 20	17 6.04	− 9 20.1	1.425	2.411	7.6	20.3
6 30	16 56.41	− 9 21.7	1.448	2.395	11.4	20.5
7 10	16 48.83	− 9 37.8	1.493	2.379	15.2	20.7
7 20	16 43.95	−10 6.8	1.557	2.362	18.6	20.9
8352 1989 GE			6 10.6 0°.81		4°.5/10.4 18	
5 11	17 39.04	−27 16.4	0.927	1.848	18.3	15.8
5 21	17 34.77	−28 38.9	0.876	1.844	13.3	15.5
5 31	17 26.85	−29 58.4	0.843	1.842	8.0	15.2
6 10	17 16.65	−31 7.2	0.831	1.842	4.5	15.0
6 20	17 6.06	−31 59.4	0.840	1.843	7.6	15.2
6 30	16 57.23	−32 33.5	0.869	1.846	12.8	15.5
7 10	16 51.82	−32 52.9	0.917	1.850	17.8	15.8
7 20	16 50.63	−33 2.4	0.981	1.856	22.0	16.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
274878 2009 SU_{12}			6 10.6 253°.34	0°.7/10.7 17		
	h m	° ′			°	m
5 11	17 42.35	−25 12.3	1.818	2.705	12.5	22.2
5 21	17 35.75	−25 12.5	1.736	2.690	9.0	22.0
5 31	17 26.89	−25 8.4	1.677	2.675	4.9	21.7
6 10	17 16.65	−24 59.3	1.644	2.659	0.8	21.3
6 20	17 6.14	−24 45.2	1.639	2.643	4.3	21.6
6 30	16 56.57	−24 27.9	1.660	2.627	8.7	21.8
7 10	16 48.97	−24 10.2	1.705	2.610	12.6	22.0
7 20	16 43.99	−23 54.9	1.771	2.593	16.0	22.2
65860 1997 HW_{7}			6 10.6 279°.23	0°.5/10.5 18		
5 11	17 39.88	−22 31.8	1.912	2.801	11.9	19.1
5 21	17 33.89	−22 18.7	1.826	2.782	8.5	18.8
5 31	17 25.86	−22 3.1	1.763	2.762	4.5	18.5
6 10	17 16.59	−21 45.4	1.728	2.743	0.5	18.2
6 20	17 7.06	−21 26.3	1.719	2.723	4.2	18.4
6 30	16 58.35	−21 7.7	1.738	2.704	8.4	18.6
7 10	16 51.40	−20 51.9	1.780	2.684	12.2	18.8
7 20	16 46.84	−20 40.7	1.843	2.664	15.5	19.0
443538 2014 KG_{3}			6 10.6 310°.39	4°.9/ 9.7 18		
5 11	17 36.31	− 9 22.3	2.115	2.992	11.4	20.8
5 21	17 31.06	− 8 57.8	2.043	2.984	8.7	20.6
5 31	17 24.23	− 8 41.4	1.996	2.976	6.1	20.4
6 10	17 16.50	− 8 35.0	1.974	2.968	4.9	20.4
6 20	17 8.66	− 8 39.9	1.979	2.961	6.2	20.4
6 30	17 1.53	− 8 56.2	2.010	2.953	8.9	20.6
7 10	16 55.84	− 9 23.2	2.065	2.946	11.8	20.7
7 20	16 52.07	− 9 59.4	2.140	2.939	14.4	20.9
413441 2005 BT_{24}			6 10.6 95°.28	1°.9/10.4 17		
5 11	17 44.22	−18 29.3	1.497	2.389	14.4	21.2
5 21	17 36.90	−18 27.2	1.451	2.408	10.2	21.0
5 31	17 27.34	−18 27.5	1.429	2.427	5.5	20.7
6 10	17 16.67	−18 30.2	1.432	2.445	1.9	20.6
6 20	17 6.17	−18 35.5	1.461	2.463	5.1	20.8
6 30	16 57.05	−18 44.2	1.516	2.481	9.4	21.1
7 10	16 50.26	−18 56.9	1.594	2.498	13.4	21.4
7 20	16 46.26	−19 14.1	1.691	2.515	16.6	21.6
280413 2003 WH_{133}			6 10.6 203°.73	0°.6/10.5 17		
5 11	17 39.78	−22 21.6	2.209	3.092	10.8	21.1
5 21	17 33.47	−22 4.3	2.136	3.089	7.6	20.9
5 31	17 25.48	−21 44.8	2.088	3.086	4.0	20.7
6 10	17 16.58	−21 23.6	2.067	3.082	0.6	20.4
6 20	17 7.61	−21 1.7	2.075	3.078	3.7	20.7
6 30	16 59.47	−20 41.0	2.110	3.074	7.3	20.9
7 10	16 52.91	−20 23.1	2.171	3.069	10.6	21.1
7 20	16 48.40	−20 9.7	2.253	3.064	13.4	21.3
289093 2004 TQ_{275}			6 10.6 184°.57	0°.8/10.5 17		
5 11	17 43.97	−21 52.8	1.671	2.559	13.4	21.7
5 21	17 36.80	−21 39.7	1.604	2.560	9.4	21.5
5 31	17 27.38	−21 24.5	1.561	2.560	5.0	21.2
6 10	17 16.70	−21 7.6	1.544	2.559	0.8	20.9
6 20	17 5.94	−20 50.0	1.554	2.558	4.6	21.2
6 30	16 56.34	−20 33.8	1.591	2.556	9.1	21.5
7 10	16 48.89	−20 21.2	1.651	2.554	13.1	21.7
7 20	16 44.16	−20 14.1	1.731	2.551	16.4	21.9
107631 2001 EU_{11}			6 10.6 112°.19	0°.3/10.7 17		
5 11	17 44.11	−23 42.2	1.604	2.494	13.7	20.7
5 21	17 36.87	−23 49.3	1.551	2.507	9.7	20.5
5 31	17 27.38	−23 53.5	1.521	2.519	5.1	20.2
6 10	17 16.70	−23 53.8	1.516	2.532	0.5	19.9
6 20	17 6.08	−23 50.5	1.539	2.544	4.5	20.3
6 30	16 56.78	−23 45.1	1.588	2.555	8.9	20.5
7 10	16 49.74	−23 39.9	1.660	2.566	12.8	20.8
7 20	16 45.48	−23 37.0	1.752	2.577	16.0	21.0
4146 Rudolfinum			6 10.6 118°.57	3°.4/10.1 18		
5 11	17 43.25	−15 53.3	1.470	2.362	14.6	17.3
5 21	17 36.31	−15 28.3	1.417	2.372	10.5	17.1
5 31	17 27.09	−15 7.8	1.387	2.382	6.2	16.9
6 10	17 16.69	−14 53.4	1.383	2.392	3.5	16.7
6 20	17 6.35	−14 46.5	1.404	2.401	6.0	16.9
6 30	16 57.33	−14 48.3	1.450	2.410	10.2	17.2
7 10	16 50.58	−14 59.0	1.518	2.419	14.1	17.4
7 20	16 46.64	−15 17.9	1.606	2.427	17.4	17.7
360894 2005 SY_{142}			6 10.6 206°.08	4°.5/ 9.5 18		
5 11	17 36.27	− 7 52.3	2.797	3.659	9.4	21.6
5 21	17 30.70	− 7 23.7	2.724	3.654	7.3	21.4
5 31	17 23.93	− 7 1.9	2.677	3.649	5.3	21.3
6 10	17 16.51	− 6 48.6	2.658	3.644	4.5	21.2
6 20	17 9.02	− 6 44.9	2.666	3.638	5.5	21.3
6 30	17 2.09	− 6 51.2	2.702	3.632	7.5	21.4
7 10	16 56.27	− 7 7.0	2.763	3.625	9.8	21.5
7 20	16 51.94	− 7 31.4	2.846	3.618	11.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
425920 2011 GU_{12}			6 10.6 60°.93	6°.2/11.6 17		
	h m	° ′			°	m
5 11	17 44.52	−37 34.2	1.670	2.538	14.4	20.5
5 21	17 37.53	−38 16.8	1.612	2.544	11.2	20.4
5 31	17 27.88	−38 44.7	1.576	2.550	8.0	20.2
6 10	17 16.74	−38 53.9	1.564	2.556	6.3	20.1
6 20	17 5.54	−38 43.1	1.578	2.562	7.3	20.2
6 30	16 55.76	−38 14.9	1.616	2.568	10.1	20.3
7 10	16 48.52	−37 34.8	1.678	2.574	13.2	20.5
7 20	16 44.43	−36 49.1	1.759	2.581	16.1	20.8
223738 2004 RA_{153}			6 10.6 238°.94	1°.5/10.3 18		
5 11	17 40.76	−20 11.0	2.096	2.979	11.2	21.2
5 21	17 34.30	−19 45.2	2.013	2.966	8.0	20.9
5 31	17 26.00	−19 18.1	1.955	2.952	4.4	20.7
6 10	17 16.64	−18 50.9	1.924	2.938	1.5	20.5
6 20	17 7.12	−18 25.0	1.922	2.923	4.2	20.6
6 30	16 58.39	−18 2.3	1.947	2.908	8.0	20.8
7 10	16 51.29	−17 44.6	1.997	2.892	11.5	21.0
7 20	16 46.37	−17 33.4	2.068	2.875	14.5	21.2
257881 2000 SE_{158}			6 10.6 238°.62	3°.8/ 9.8 17		
5 11	17 42.08	−15 43.9	1.582	2.472	13.9	21.1
5 21	17 35.60	−15 3.4	1.509	2.463	10.1	20.8
5 31	17 26.82	−14 25.8	1.460	2.453	6.1	20.5
6 10	17 16.69	−13 53.5	1.435	2.443	3.8	20.4
6 20	17 6.39	−13 29.1	1.437	2.433	6.3	20.5
6 30	16 57.13	−13 14.9	1.464	2.422	10.4	20.7
7 10	16 49.96	−13 11.9	1.514	2.410	14.4	20.9
7 20	16 45.50	−13 20.1	1.583	2.399	17.9	21.1
316000 2009 DF_{128}			6 10.6 332°.39	0°.8/10.7 17		
5 11	17 41.16	−25 30.0	1.226	2.132	15.9	20.8
5 21	17 35.52	−25 19.6	1.162	2.125	11.4	20.5
5 31	17 26.97	−25 2.9	1.119	2.119	6.1	20.2
6 10	17 16.70	−24 39.5	1.099	2.114	0.9	19.8
6 20	17 6.26	−24 10.7	1.102	2.109	5.4	20.1
6 30	16 57.27	−23 40.1	1.129	2.104	10.8	20.4
7 10	16 51.00	−23 12.0	1.177	2.100	15.6	20.6
7 20	16 48.13	−22 49.7	1.243	2.096	19.7	20.9
256778 2008 CT_{10}			6 10.6 255°.65	0°.5/10.6 18		
5 11	17 43.22	−20 42.7	1.619	2.510	13.6	20.3
5 21	17 36.59	−21 2.6	1.540	2.497	9.7	20.1
5 31	17 27.46	−21 24.1	1.484	2.483	5.2	19.8
6 10	17 16.76	−21 45.9	1.454	2.469	0.6	19.4
6 20	17 5.68	−22 6.7	1.451	2.455	4.7	19.7
6 30	16 55.58	−22 26.7	1.473	2.441	9.5	19.9
7 10	16 47.59	−22 46.7	1.519	2.426	13.8	20.1
7 20	16 42.46	−23 8.0	1.585	2.411	17.4	20.3
508185 2015 FT_{317}			6 10.6 331°.60	2°.3/10.4 17		
5 11	17 38.98	−17 8.7	1.633	2.528	13.2	21.2
5 21	17 33.39	−17 9.5	1.564	2.522	9.5	21.0
5 31	17 25.64	−17 14.3	1.519	2.516	5.4	20.8
6 10	17 16.64	−17 23.5	1.499	2.511	2.3	20.5
6 20	17 7.47	−17 37.1	1.504	2.506	5.1	20.7
6 30	16 59.29	−17 55.5	1.535	2.501	9.3	20.9
7 10	16 53.06	−18 18.6	1.589	2.497	13.2	21.2
7 20	16 49.38	−18 46.3	1.663	2.493	16.5	21.4
8892 Kakogawa			6 10.6 256°.42	0°.2/10.7 18		
5 11	17 38.55	−23 57.8	2.500	3.380	9.8	18.6
5 21	17 32.61	−23 57.7	2.413	3.364	6.9	18.4
5 31	17 25.09	−23 55.1	2.351	3.349	3.7	18.1
6 10	17 16.64	−23 49.9	2.318	3.333	0.3	17.8
6 20	17 8.01	−23 42.2	2.313	3.316	3.3	18.0
6 30	17 0.03	−23 33.0	2.336	3.300	6.7	18.2
7 10	16 53.41	−23 23.8	2.384	3.283	9.8	18.4
7 20	16 48.65	−23 16.3	2.456	3.266	12.4	18.6
394299 2006 VF_{98}			6 10.6 114°.02	3°.0/10.9 17		
5 11	17 42.05	−31 29.8	2.583	3.448	10.0	21.6
5 21	17 34.98	−32 12.3	2.525	3.463	7.4	21.4
5 31	17 26.28	−32 48.2	2.493	3.479	4.7	21.3
6 10	17 16.71	−33 15.4	2.490	3.494	3.0	21.2
6 20	17 7.08	−33 32.9	2.515	3.508	4.2	21.3
6 30	16 58.28	−33 41.0	2.569	3.522	6.7	21.5
7 10	16 51.03	−33 42.0	2.649	3.536	9.3	21.7
7 20	16 45.79	−33 38.3	2.751	3.550	11.5	21.9
158040 2000 SB_{80}			6 10.6 313°.79	3°.3/10.1 17		
5 11	17 38.56	−16 27.1	1.470	2.370	14.1	20.1
5 21	17 33.36	−16 2.8	1.394	2.353	10.3	19.8
5 31	17 25.77	−15 42.1	1.340	2.337	6.1	19.6
6 10	17 16.71	−15 26.7	1.311	2.321	3.3	19.3
6 20	17 7.35	−15 18.6	1.306	2.305	6.1	19.5
6 30	16 58.99	−15 19.2	1.325	2.290	10.5	19.7
7 10	16 52.72	−15 29.3	1.366	2.276	14.8	19.9
7 20	16 49.25	−15 48.6	1.426	2.262	18.5	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
41554 2000 RH_{53}			6 10.6 250°.70		3°.8/ 9.7 18	R
	h m	° ′			°	m
5 11	17 36.95	−12 18.0	2.368	3.245	10.4	19.2
5 21	17 31.41	−11 46.8	2.292	3.236	7.7	19.0
5 31	17 24.43	−11 20.3	2.241	3.226	5.1	18.8
6 10	17 16.62	−11 0.4	2.217	3.217	3.8	18.7
6 20	17 8.72	−10 48.4	2.221	3.207	5.2	18.8
6 30	17 1.47	−10 45.4	2.252	3.198	8.0	18.9
7 10	16 55.54	−10 51.4	2.307	3.188	10.8	19.1
7 20	16 51.37	−11 5.9	2.384	3.178	13.2	19.3
249607 1999 RB_{144}			6 10.6 276°.61		1°.9/10.1 18	
5 11	17 37.72	−18 3.8	2.383	3.265	10.1	21.2
5 21	17 32.07	−17 40.9	2.291	3.243	7.2	21.0
5 31	17 24.84	−17 18.6	2.225	3.221	4.1	20.7
6 10	17 16.66	−16 58.0	2.187	3.198	1.9	20.6
6 20	17 8.28	−16 40.2	2.177	3.176	4.1	20.7
6 30	17 0.51	−16 26.6	2.194	3.153	7.4	20.8
7 10	16 54.08	−16 18.5	2.237	3.130	10.6	21.0
7 20	16 49.49	−16 16.4	2.302	3.106	13.3	21.1
416691 2004 YS_{7}			6 10.6 243°.38		0°.8/10.6 17	
5 11	17 44.16	−20 42.8	1.644	2.533	13.5	21.9
5 21	17 37.25	−20 49.9	1.563	2.519	9.7	21.6
5 31	17 27.84	−20 57.5	1.505	2.504	5.2	21.3
6 10	17 16.86	−21 4.9	1.473	2.488	0.8	21.0
6 20	17 5.51	−21 11.8	1.468	2.472	4.8	21.2
6 30	16 55.13	−21 18.9	1.490	2.456	9.5	21.4
7 10	16 46.87	−21 27.7	1.534	2.438	13.8	21.7
7 20	16 41.46	−21 39.6	1.599	2.420	17.5	21.9
249196 2008 CM_{206}			6 10.6 330°.55		8°.7/ 8.9 17	
5 11	17 35.89	− 0 9.8	1.925	2.780	13.4	20.0
5 21	17 30.89	+ 0 36.5	1.861	2.772	11.1	19.9
5 31	17 24.23	+ 1 7.2	1.818	2.764	9.3	19.7
6 10	17 16.63	+ 1 18.4	1.800	2.757	8.7	19.7
6 20	17 8.92	+ 1 8.4	1.805	2.750	9.7	19.7
6 30	17 1.98	+ 0 37.2	1.835	2.743	11.7	19.8
7 10	16 56.56	− 0 12.5	1.885	2.737	14.0	20.0
7 20	16 53.17	− 1 17.0	1.955	2.731	16.3	20.1
214102 2004 PD_{58}			6 10.6 329°.77		1°.0/10.9 18	
5 11	17 37.87	−26 32.3	1.877	2.768	12.0	19.5
5 21	17 32.51	−26 22.9	1.801	2.757	8.6	19.3
5 31	17 25.17	−26 8.0	1.749	2.747	4.7	19.0
6 10	17 16.69	−25 47.4	1.722	2.737	1.1	18.7
6 20	17 8.08	−25 21.9	1.723	2.727	4.0	18.9
6 30	17 0.39	−24 53.8	1.749	2.718	8.1	19.2
7 10	16 54.51	−24 26.0	1.799	2.710	11.7	19.4
7 20	16 51.01	−24 1.0	1.870	2.702	14.9	19.5
509822 2008 WP_{73}			6 10.6 256°.72		0°.2/10.6 17	
5 11	17 41.22	−24 22.8	2.101	2.983	11.3	22.0
5 21	17 34.71	−23 52.7	2.012	2.965	8.0	21.7
5 31	17 26.30	−23 17.5	1.949	2.947	4.3	21.5
6 10	17 16.77	−22 37.9	1.913	2.928	0.3	21.1
6 20	17 7.06	−21 55.4	1.905	2.909	3.9	21.4
6 30	16 58.17	−21 12.9	1.925	2.889	7.8	21.6
7 10	16 50.96	−20 33.5	1.970	2.869	11.5	21.8
7 20	16 46.00	−19 59.8	2.037	2.848	14.6	21.9
214141 2005 AN_{53}			6 10.6 126°.59		0°.9/10.5 17	
5 11	17 44.09	−21 37.8	1.625	2.514	13.6	20.8
5 21	17 36.82	−21 20.7	1.570	2.526	9.6	20.6
5 31	17 27.38	−21 1.9	1.539	2.538	5.1	20.4
6 10	17 16.83	−20 42.0	1.534	2.548	1.0	20.1
6 20	17 6.36	−20 22.3	1.556	2.559	4.6	20.4
6 30	16 57.18	−20 4.9	1.603	2.569	9.0	20.7
7 10	16 50.19	−19 52.0	1.675	2.579	12.9	20.9
7 20	16 45.91	−19 45.0	1.767	2.588	16.1	21.2
398932 2013 CH_{189}			6 10.6 147°.12		8°.9/ 7.8 18	
5 11	17 35.90	+ 9 51.7	2.917	3.700	11.1	21.1
5 21	17 30.38	+10 48.3	2.870	3.709	10.0	21.0
5 31	17 23.77	+11 28.9	2.846	3.717	9.2	20.9
6 10	17 16.61	+11 50.6	2.846	3.724	9.0	20.9
6 20	17 9.47	+11 52.3	2.870	3.731	9.4	21.0
6 30	17 2.91	+11 34.4	2.917	3.738	10.4	21.1
7 10	16 57.44	+10 58.8	2.985	3.745	11.6	21.2
7 20	16 53.38	+10 8.6	3.073	3.751	12.8	21.3
496217 2011 WZ_{7}			6 10.6 309°.54		0°.9/10.8 17	
5 11	17 38.93	−25 2.3	1.852	2.743	12.1	21.1
5 21	17 33.39	−25 15.2	1.769	2.725	8.7	20.8
5 31	17 25.72	−25 25.3	1.709	2.707	4.7	20.5
6 10	17 16.74	−25 31.4	1.675	2.690	1.0	20.2
6 20	17 7.47	−25 33.0	1.668	2.673	4.2	20.4
6 30	16 59.02	−25 31.0	1.687	2.656	8.4	20.6
7 10	16 52.40	−25 27.4	1.730	2.639	12.2	20.8
7 20	16 48.25	−25 24.3	1.793	2.623	15.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
98251 2000 SQ_{169}			6 10.6 253°.32		1°.9/10.3 18	
	h m	° ′			°	m
5 11	17 42.64	−19 58.5	1.566	2.459	13.8	19.8
5 21	17 36.15	−19 30.5	1.489	2.446	9.9	19.5
5 31	17 27.23	−19 1.4	1.434	2.432	5.5	19.3
6 10	17 16.84	−18 32.5	1.405	2.419	1.9	19.0
6 20	17 6.20	−18 5.8	1.402	2.404	5.3	19.2
6 30	16 56.62	−17 43.8	1.425	2.390	10.0	19.4
7 10	16 49.20	−17 29.0	1.470	2.375	14.3	19.6
7 20	16 44.61	−17 22.7	1.535	2.360	18.0	19.8
101731 1999 EN_{10}			6 10.6 93°.18		1°.1/10.8 18	
5 11	17 42.80	−26 5.4	1.672	2.560	13.3	19.8
5 21	17 35.96	−26 5.5	1.617	2.572	9.4	19.6
5 31	17 26.95	−26 0.4	1.586	2.584	5.1	19.4
6 10	17 16.82	−25 49.3	1.581	2.596	1.1	19.1
6 20	17 6.76	−25 32.8	1.603	2.607	4.3	19.4
6 30	16 57.97	−25 13.3	1.650	2.619	8.6	19.7
7 10	16 51.35	−24 53.6	1.722	2.630	12.3	19.9
7 20	16 47.41	−24 36.5	1.814	2.641	15.5	20.2
497409 2005 WE_{48}			6 10.6 126°.93		1°.0/10.8 17	
5 11	17 42.74	−25 17.3	1.889	2.773	12.3	22.1
5 21	17 35.79	−25 31.9	1.830	2.783	8.7	21.9
5 31	17 26.84	−25 42.7	1.795	2.792	4.7	21.7
6 10	17 16.82	−25 48.6	1.786	2.801	1.1	21.5
6 20	17 6.78	−25 49.4	1.806	2.809	4.0	21.7
6 30	16 57.82	−25 46.1	1.852	2.818	8.0	21.9
7 10	16 50.80	−25 41.1	1.922	2.825	11.5	22.2
7 20	16 46.25	−25 36.5	2.014	2.833	14.5	22.4
392632 2011 UW_{73}			6 10.6 147°.95		2°.2/10.0 16	
5 11	17 37.52	−17 27.7	2.328	3.211	10.3	21.5
5 21	17 31.79	−16 56.0	2.262	3.213	7.3	21.3
5 31	17 24.62	−16 25.6	2.221	3.215	4.2	21.1
6 10	17 16.69	−15 57.8	2.207	3.217	2.2	21.0
6 20	17 8.75	−15 34.2	2.222	3.219	4.2	21.2
6 30	17 1.57	−15 16.2	2.264	3.221	7.3	21.3
7 10	16 55.80	−15 4.9	2.331	3.223	10.2	21.5
7 20	16 51.85	−15 0.5	2.420	3.224	12.8	21.7
121723 1999 XL_{139}			6 10.6 193°.08		1°.2/10.9 18	
5 11	17 38.74	−27 0.6	2.734	3.609	9.2	20.8
5 21	17 32.62	−27 12.9	2.660	3.608	6.6	20.6
5 31	17 25.07	−27 21.5	2.611	3.606	3.7	20.4
6 10	17 16.72	−27 25.5	2.591	3.604	1.3	20.2
6 20	17 8.29	−27 24.7	2.599	3.601	3.2	20.4
6 30	17 0.51	−27 20.0	2.636	3.599	6.1	20.6
7 10	16 54.05	−27 12.9	2.699	3.596	8.8	20.7
7 20	16 49.33	−27 5.0	2.785	3.592	11.2	20.9
55583 2002 PQ_{42}			6 10.6 277°.50		8°.3/10.9 18	
5 11	17 47.30	−40 10.3	1.590	2.451	15.4	19.2
5 21	17 40.20	−41 26.5	1.514	2.437	12.5	19.0
5 31	17 29.74	−42 28.2	1.460	2.423	9.7	18.8
6 10	17 17.03	−43 7.9	1.430	2.409	8.3	18.7
6 20	17 3.71	−43 21.0	1.424	2.394	9.4	18.7
6 30	16 51.66	−43 8.1	1.442	2.380	12.1	18.8
7 10	16 42.49	−42 35.3	1.481	2.366	15.4	19.0
7 20	16 37.11	−41 50.4	1.538	2.351	18.4	19.1
308151 2005 AX_{36}			6 10.7 158°.85		0°.0/10.7 17	
5 11	17 44.36	−24 19.3	1.666	2.553	13.4	20.9
5 21	17 37.09	−24 0.3	1.603	2.558	9.5	20.7
5 31	17 27.58	−23 36.7	1.564	2.563	5.0	20.4
6 10	17 16.88	−23 8.7	1.552	2.567	0.3	20.1
6 20	17 6.20	−22 37.8	1.567	2.571	4.4	20.4
6 30	16 56.77	−22 7.0	1.607	2.574	8.9	20.7
7 10	16 49.54	−21 39.4	1.672	2.577	12.8	20.9
7 20	16 45.04	−21 17.5	1.757	2.579	16.1	21.2
363252 2002 CX_{84}			6 10.7 186°.47		2°.5/10.3 17	
5 11	17 43.65	−17 5.4	1.690	2.576	13.3	21.4
5 21	17 36.61	−16 55.2	1.623	2.576	9.6	21.1
5 31	17 27.37	−16 47.9	1.580	2.576	5.4	20.9
6 10	17 16.89	−16 44.4	1.563	2.575	2.5	20.7
6 20	17 6.30	−16 45.2	1.573	2.573	5.2	20.9
6 30	16 56.79	−16 51.2	1.610	2.571	9.3	21.1
7 10	16 49.31	−17 3.0	1.670	2.568	13.2	21.3
7 20	16 44.45	−17 20.8	1.750	2.564	16.5	21.5
476341 2008 AZ_{75}			6 10.7 175°.38		3°.7/10.2 18	
5 11	17 38.33	− 8 49.6	2.876	3.736	9.3	22.1
5 21	17 32.15	− 8 48.6	2.807	3.738	7.0	21.9
5 31	17 24.77	− 8 54.5	2.764	3.741	4.8	21.8
6 10	17 16.73	− 9 8.0	2.749	3.742	3.7	21.7
6 20	17 8.64	− 9 29.2	2.763	3.743	4.8	21.8
6 30	17 1.12	− 9 57.7	2.805	3.744	6.9	21.9
7 10	16 54.72	−10 32.7	2.874	3.744	9.2	22.1
7 20	16 49.83	−11 13.0	2.966	3.743	11.3	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131852 2002 AC_{128}			6 10.7 209°.31		0°.5/10.6 17	
	h m	° ′			°	m
5 11	17 43.70	−22 11.0	1.543	2.435	14.0	20.4
5 21	17 36.90	−22 7.1	1.475	2.432	10.0	20.1
5 31	17 27.63	−22 1.5	1.430	2.429	5.3	19.8
6 10	17 16.93	−21 53.9	1.410	2.425	0.6	19.5
6 20	17 6.07	−21 44.8	1.417	2.421	4.8	19.8
6 30	16 56.40	−21 36.0	1.449	2.417	9.5	20.0
7 10	16 49.01	−21 29.6	1.504	2.412	13.8	20.3
7 20	16 44.52	−21 27.7	1.579	2.407	17.4	20.5
207429 2006 DY_{105}			6 10.7 21°.18		3°.4/10.3 17	
5 11	17 39.72	−17 2.7	1.051	1.965	17.2	19.8
5 21	17 34.54	−16 44.2	1.004	1.970	12.3	19.5
5 31	17 26.48	−16 31.1	0.977	1.976	7.1	19.2
6 10	17 16.86	−16 25.1	0.971	1.983	3.4	19.1
6 20	17 7.24	−16 27.3	0.988	1.990	6.7	19.3
6 30	16 59.24	−16 38.6	1.026	1.999	11.8	19.6
7 10	16 54.02	−16 59.0	1.084	2.008	16.5	19.9
7 20	16 52.15	−17 27.2	1.160	2.019	20.4	20.2
376947 2002 ET_{33}			6 10.7 152°.79		1°.8/10.9 17	
5 11	17 43.02	−27 56.0	2.142	3.018	11.3	21.5
5 21	17 35.88	−28 10.5	2.077	3.025	8.1	21.3
5 31	17 26.89	−28 19.5	2.038	3.032	4.6	21.1
6 10	17 16.89	−28 21.5	2.027	3.039	1.8	20.9
6 20	17 6.85	−28 16.5	2.043	3.045	3.9	21.0
6 30	16 57.79	−28 5.8	2.087	3.050	7.4	21.3
7 10	16 50.52	−27 51.8	2.157	3.055	10.6	21.5
7 20	16 45.54	−27 37.3	2.248	3.060	13.4	21.7
34223 2000 QD_{87}			6 10.7 116°.17		7°.8/ 9.3 18	
5 11	17 39.72	− 3 14.6	1.869	2.729	13.5	18.7
5 21	17 33.48	− 2 23.7	1.820	2.740	10.8	18.6
5 31	17 25.57	− 1 46.8	1.793	2.751	8.6	18.5
6 10	17 16.80	− 1 27.2	1.792	2.761	7.8	18.4
6 20	17 8.09	− 1 26.6	1.816	2.772	8.8	18.5
6 30	17 0.34	− 1 44.8	1.864	2.781	11.1	18.7
7 10	16 54.28	− 2 19.4	1.935	2.791	13.6	18.8
7 20	16 50.36	− 3 7.3	2.026	2.800	15.9	19.0
425583 2010 TC_{114}			6 10.7 178°.40		0°.2/10.6 17	
5 11	17 43.56	−23 4.9	1.882	2.766	12.3	22.6
5 21	17 36.41	−22 58.9	1.814	2.768	8.7	22.4
5 31	17 27.23	−22 50.2	1.771	2.769	4.6	22.2
6 10	17 16.92	−22 38.7	1.754	2.769	0.3	21.8
6 20	17 6.54	−22 25.0	1.766	2.770	4.1	22.1
6 30	16 57.21	−22 10.7	1.804	2.769	8.2	22.4
7 10	16 49.81	−21 58.2	1.867	2.768	11.9	22.6
7 20	16 44.89	−21 49.3	1.951	2.766	15.0	22.8
289912 2005 NK_{12}			6 10.7 18°.75		4°.5/10.4 17	
5 11	17 39.49	−13 5.6	1.225	2.129	16.1	20.0
5 21	17 34.12	−13 1.2	1.174	2.132	11.8	19.7
5 31	17 26.19	−13 7.0	1.143	2.137	7.3	19.5
6 10	17 16.85	−13 24.4	1.135	2.143	4.5	19.3
6 20	17 7.46	−13 52.9	1.151	2.149	6.9	19.5
6 30	16 59.41	−14 31.7	1.190	2.156	11.3	19.7
7 10	16 53.81	−15 18.8	1.249	2.164	15.5	20.0
7 20	16 51.23	−16 11.7	1.327	2.173	19.1	20.3
395477 2011 UJ_{36}			6 10.7 253°.80		2°.7/ 9.9 18	
5 11	17 37.66	−15 58.9	2.345	3.227	10.3	20.8
5 21	17 31.99	−15 26.2	2.266	3.216	7.4	20.6
5 31	17 24.81	−14 55.4	2.212	3.204	4.5	20.3
6 10	17 16.77	−14 28.2	2.185	3.193	2.7	20.2
6 20	17 8.62	−14 6.0	2.186	3.181	4.6	20.3
6 30	17 1.14	−13 50.3	2.215	3.169	7.6	20.5
7 10	16 55.03	−13 42.1	2.269	3.157	10.6	20.6
7 20	16 50.75	−13 41.6	2.344	3.144	13.2	20.8
435176 2007 RE_{7}			6 10.7 277°.98		5°.0/ 9.5 18	
5 11	17 38.64	−10 33.5	1.991	2.869	12.0	20.9
5 21	17 32.96	− 9 55.2	1.906	2.848	9.1	20.7
5 31	17 25.45	− 9 23.3	1.844	2.826	6.3	20.5
6 10	17 16.81	− 9 0.5	1.808	2.804	5.0	20.3
6 20	17 7.92	− 8 48.8	1.799	2.782	6.6	20.4
6 30	16 59.72	− 8 49.7	1.816	2.760	9.7	20.5
7 10	16 53.06	− 9 3.1	1.857	2.737	12.9	20.7
7 20	16 48.52	− 9 27.9	1.917	2.714	15.9	20.8
99643 2002 GE_{158}			6 10.7 175°.74		0°.7/10.6 17	
5 11	17 43.93	−20 13.4	1.560	2.451	14.0	20.0
5 21	17 37.03	−20 32.8	1.496	2.452	9.9	19.8
5 31	17 27.70	−20 53.8	1.455	2.453	5.3	19.5
6 10	17 16.96	−21 15.2	1.439	2.454	0.8	19.2
6 20	17 6.05	−21 35.9	1.450	2.454	4.7	19.5
6 30	16 56.31	−21 56.1	1.487	2.454	9.4	19.7
7 10	16 48.80	−22 16.5	1.547	2.454	13.5	20.0
7 20	16 44.15	−22 38.3	1.627	2.453	17.0	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
463157 2012 AR_{22}			6 10.7 174°.24		1°.9/10.6 17	
	h m	° ′			°	m
5 11	17 43.11	−17 41.5	1.454	2.348	14.6	21.0
5 21	17 36.54	−17 54.0	1.391	2.348	10.4	20.7
5 31	17 27.47	−18 11.0	1.351	2.349	5.8	20.5
6 10	17 16.96	−18 31.8	1.336	2.349	2.0	20.2
6 20	17 6.28	−18 55.6	1.346	2.349	5.3	20.4
6 30	16 56.80	−19 22.2	1.382	2.349	9.9	20.7
7 10	16 49.62	−19 51.7	1.440	2.349	14.2	21.0
7 20	16 45.39	−20 24.0	1.518	2.349	17.8	21.2
98023 2000 QG_{251}			6 10.7 304°.83		0°.2/10.7 18	
5 11	17 42.26	−20 44.0	1.244	2.148	15.8	18.9
5 21	17 36.61	−21 19.9	1.167	2.130	11.4	18.6
5 31	17 27.86	−22 0.0	1.111	2.112	6.1	18.2
6 10	17 17.00	−22 41.8	1.079	2.094	0.4	17.8
6 20	17 5.52	−23 22.7	1.071	2.077	5.5	18.1
6 30	16 55.14	−24 1.3	1.086	2.060	11.2	18.3
7 10	16 47.39	−24 37.7	1.122	2.043	16.4	18.6
7 20	16 43.18	−25 13.2	1.176	2.027	20.7	18.8
69401 1995 QV_{3}			6 10.7 272°.57		6°.4/ 9.6 18	
5 11	17 52.36	−33 2.0	1.709	2.574	14.3	18.5
5 21	17 43.99	−35 1.8	1.613	2.547	11.0	18.3
5 31	17 32.03	−36 59.3	1.543	2.520	7.9	18.0
6 10	17 17.29	−38 45.1	1.500	2.492	6.4	17.9
6 20	17 1.18	−40 10.4	1.485	2.464	8.2	17.9
6 30	16 45.61	−41 11.1	1.498	2.435	11.8	18.0
7 10	16 32.44	−41 49.1	1.533	2.406	15.6	18.2
7 20	16 22.96	−42 10.4	1.589	2.376	19.0	18.4
482135 2010 RU_{155}			6 10.7 202°.64		3°.0/11.1 18	
5 11	17 40.11	−31 59.6	2.512	3.380	10.2	21.1
5 21	17 33.80	−32 30.1	2.439	3.379	7.5	20.9
5 31	17 25.81	−32 54.0	2.392	3.377	4.8	20.7
6 10	17 16.86	−33 9.2	2.372	3.376	3.0	20.6
6 20	17 7.77	−33 15.0	2.380	3.374	4.3	20.7
6 30	16 59.43	−33 12.0	2.416	3.372	6.9	20.9
7 10	16 52.61	−33 2.5	2.477	3.370	9.6	21.0
7 20	16 47.81	−32 49.2	2.560	3.368	12.1	21.2
463265 2012 GX_{9}			6 10.7 37°.42		1°.2/10.8 16	
5 11	17 41.74	−25 47.2	1.263	2.167	15.7	21.3
5 21	17 35.73	−25 51.9	1.215	2.177	11.1	21.1
5 31	17 27.04	−25 51.1	1.188	2.187	6.0	20.8
6 10	17 16.93	−25 43.7	1.184	2.199	1.3	20.6
6 20	17 6.90	−25 30.3	1.205	2.210	5.1	20.9
6 30	16 58.43	−25 13.5	1.249	2.223	10.1	21.2
7 10	16 52.62	−24 56.9	1.315	2.236	14.4	21.5
7 20	16 49.99	−24 43.3	1.399	2.249	18.1	21.7
56606 2000 JF_{58}			6 10.7 319°.10		2°.5/10.6 18	
5 11	17 39.49	−16 45.5	1.076	1.989	17.0	17.0
5 21	17 34.94	−17 5.5	0.999	1.965	12.4	16.6
5 31	17 27.10	−17 34.9	0.941	1.941	7.0	16.2
6 10	17 16.97	−18 13.6	0.905	1.918	2.6	15.9
6 20	17 6.06	−19 0.1	0.891	1.896	6.5	16.0
6 30	16 56.24	−19 52.6	0.898	1.875	12.5	16.3
7 10	16 49.17	−20 49.4	0.925	1.855	18.1	16.5
7 20	16 45.91	−21 49.1	0.968	1.836	22.9	16.7
328250 2008 FB_{107}			6 10.7 124°.32		3°.0/10.9 17	
5 11	17 44.53	−29 19.2	1.647	2.531	13.7	21.2
5 21	17 37.46	−29 52.1	1.587	2.537	10.0	21.0
5 31	17 27.92	−30 17.9	1.550	2.542	5.9	20.7
6 10	17 16.99	−30 33.5	1.538	2.548	3.0	20.6
6 20	17 5.98	−30 37.8	1.553	2.553	5.2	20.7
6 30	16 56.22	−30 32.2	1.594	2.558	9.1	21.0
7 10	16 48.79	−30 20.4	1.658	2.563	12.9	21.2
7 20	16 44.29	−30 6.0	1.742	2.568	16.1	21.4
510129 2010 UX_{1}			6 10.7 278°.12		1°.7/10.2 18	
5 11	17 37.28	−19 13.5	2.326	3.211	10.2	21.3
5 21	17 31.75	−18 41.5	2.248	3.201	7.3	21.1
5 31	17 24.69	−18 9.1	2.195	3.192	4.1	20.9
6 10	17 16.79	−17 37.7	2.169	3.182	1.7	20.7
6 20	17 8.80	−17 8.9	2.172	3.172	4.0	20.9
6 30	17 1.52	−16 44.4	2.202	3.162	7.3	21.0
7 10	16 55.62	−16 25.7	2.257	3.152	10.4	21.2
7 20	16 51.59	−16 13.7	2.334	3.142	13.1	21.4
428242 2006 YF_{10}			6 10.7 179°.46		0°.9/10.8 17	
5 11	17 43.63	−25 27.4	1.990	2.871	11.9	22.3
5 21	17 36.45	−25 37.0	1.921	2.872	8.5	22.1
5 31	17 27.27	−25 42.7	1.877	2.873	4.6	21.9
6 10	17 16.96	−25 43.4	1.859	2.874	1.0	21.6
6 20	17 6.55	−25 38.8	1.870	2.874	4.0	21.8
6 30	16 57.13	−25 30.5	1.908	2.873	7.9	22.1
7 10	16 49.59	−25 20.6	1.971	2.871	11.4	22.3
7 20	16 44.47	−25 11.6	2.056	2.869	14.4	22.5

405486 2004 XU_{18} 6 10.7 222°.87 0°.4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 44.62	−21 34.4	1.711	2.597	13.2	21.5
5 21	17 37.49	−21 46.2	1.634	2.589	9.4	21.3
5 31	17 27.98	−21 57.8	1.581	2.579	5.0	21.0
6 10	17 17.01	−22 8.1	1.554	2.569	0.5	20.6
6 20	17 5.75	−22 16.6	1.554	2.558	4.5	20.9
6 30	16 55.49	−22 24.0	1.581	2.547	9.1	21.1
7 10	16 47.31	−22 31.8	1.632	2.535	13.2	21.4
7 20	16 41.88	−22 41.6	1.703	2.522	16.7	21.6

479981 2014 JJ_{59} 6 10.7 265°.49 4°.0/ 9.4 18

5 11	17 36.80	−12 10.8	2.389	3.266	10.3	21.3
5 21	17 31.35	−11 24.8	2.311	3.254	7.7	21.1
5 31	17 24.47	−10 42.8	2.258	3.242	5.2	21.0
6 10	17 16.78	−10 7.2	2.233	3.230	4.0	20.9
6 20	17 8.99	− 9 40.0	2.235	3.218	5.5	20.9
6 30	17 1.85	− 9 22.8	2.264	3.206	8.1	21.1
7 10	16 56.00	− 9 16.1	2.318	3.194	10.9	21.2
7 20	16 51.89	− 9 19.4	2.392	3.181	13.3	21.4

472972 2015 GE_{44} 6 10.7 338°.34 0°.3/10.7 16

5 11	17 38.53	−22 43.0	1.433	2.337	14.2	20.8
5 21	17 33.51	−23 2.8	1.363	2.325	10.1	20.6
5 31	17 25.97	−23 22.4	1.314	2.314	5.4	20.3
6 10	17 16.89	−23 40.4	1.289	2.304	0.5	19.9
6 20	17 7.50	−23 55.8	1.289	2.295	4.8	20.2
6 30	16 59.20	−24 8.9	1.314	2.287	9.7	20.4
7 10	16 53.15	−24 21.3	1.360	2.280	14.1	20.7
7 20	16 50.04	−24 34.4	1.425	2.274	17.9	20.9

166538 2002 RU_{30} 6 10.7 246°.09 3°.1/11.4 18

5 11	17 42.05	−32 47.6	2.227	3.096	11.3	20.2
5 21	17 35.37	−32 53.3	2.144	3.084	8.4	20.0
5 31	17 26.72	−32 49.8	2.085	3.071	5.3	19.8
6 10	17 16.93	−32 35.5	2.052	3.058	3.2	19.6
6 20	17 6.98	−32 10.3	2.048	3.045	4.5	19.7
6 30	16 57.91	−31 36.1	2.071	3.031	7.7	19.8
7 10	16 50.59	−30 56.7	2.119	3.017	10.8	20.0
7 20	16 45.60	−30 15.7	2.189	3.003	13.6	20.2

312669 2010 LR_{62} 6 10.7 307°.65 7°.5/ 9.1 16

5 11	17 36.89	− 4 16.2	1.856	2.724	13.2	20.9
5 21	17 31.77	− 3 32.5	1.781	2.709	10.6	20.7
5 31	17 24.83	− 3 1.4	1.730	2.693	8.4	20.5
6 10	17 16.82	− 2 46.5	1.703	2.678	7.5	20.4
6 20	17 8.61	− 2 50.0	1.700	2.663	8.7	20.5
6 30	17 1.15	− 3 12.4	1.722	2.649	11.2	20.6
7 10	16 55.28	− 3 51.8	1.766	2.634	14.1	20.7
7 20	16 51.55	− 4 45.4	1.829	2.620	16.7	20.9

344752 2003 US_{324} 6 10.7 279°.01 3°.4/ 9.6 18

5 11	17 40.42	−16 26.8	1.951	2.835	11.9	21.7
5 21	17 34.31	−15 30.9	1.857	2.808	8.7	21.5
5 31	17 26.23	−14 34.6	1.788	2.781	5.3	21.2
6 10	17 16.91	−13 40.8	1.747	2.753	3.4	21.0
6 20	17 7.30	−12 52.5	1.732	2.725	5.7	21.1
6 30	16 58.43	−12 13.0	1.745	2.697	9.4	21.3
7 10	16 51.21	−11 44.6	1.781	2.668	13.1	21.4
7 20	16 46.25	−11 28.2	1.837	2.639	16.3	21.6

368891 2006 SS_{107} 6 10.7 295°.87 4°.8/11.3 18

5 11	17 43.65	−33 19.3	1.420	2.307	15.4	20.6
5 21	17 37.50	−33 44.3	1.341	2.289	11.6	20.3
5 31	17 28.26	−33 57.3	1.283	2.272	7.6	20.1
6 10	17 17.05	−33 54.1	1.249	2.254	4.9	19.9
6 20	17 5.39	−33 33.1	1.239	2.237	6.7	19.9
6 30	16 55.02	−32 56.8	1.254	2.220	10.9	20.1
7 10	16 47.35	−32 11.1	1.289	2.203	15.2	20.3
7 20	16 43.21	−31 22.8	1.344	2.186	19.1	20.5

442137 2010 UQ_{82} 6 10.7 280°.96 1°.5/10.2 18

5 11	17 37.63	−20 14.9	2.339	3.224	10.2	21.1
5 21	17 32.03	−19 40.7	2.254	3.208	7.2	20.9
5 31	17 24.87	−19 5.0	2.195	3.192	4.0	20.7
6 10	17 16.82	−18 29.1	2.163	3.176	1.5	20.5
6 20	17 8.64	−17 54.8	2.159	3.160	3.9	20.6
6 30	17 1.15	−17 24.1	2.183	3.144	7.3	20.8
7 10	16 55.05	−16 58.9	2.232	3.128	10.5	21.0
7 20	16 50.83	−16 40.2	2.303	3.112	13.2	21.1

78930 2003 SE_{142} 6 10.7 16°.33 6°.0/10.9 18

5 11	17 45.05	−33 25.5	1.294	2.183	16.4	19.1
5 21	17 38.56	−34 32.6	1.237	2.185	12.4	18.9
5 31	17 28.81	−35 28.5	1.201	2.186	8.4	18.7
6 10	17 17.08	−36 6.7	1.188	2.189	6.0	18.5
6 20	17 5.09	−36 23.8	1.199	2.191	7.7	18.6
6 30	16 54.69	−36 21.2	1.233	2.194	11.6	18.9
7 10	16 47.30	−36 4.4	1.288	2.198	15.5	19.1
7 20	16 43.66	−35 40.0	1.361	2.201	19.0	19.4

186995 2004 TE_{66} 6 10.7 278°.46 1°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 37.46	−18 2.1	2.409	3.291	10.0	20.7
5 21	17 31.93	−17 54.6	2.321	3.273	7.2	20.5
5 31	17 24.84	−17 48.7	2.259	3.255	4.0	20.3
6 10	17 16.83	−17 44.8	2.224	3.236	1.7	20.1
6 20	17 8.62	−17 43.5	2.217	3.218	3.8	20.2
6 30	17 1.01	−17 45.6	2.238	3.199	7.1	20.4
7 10	16 54.72	−17 51.6	2.284	3.180	10.2	20.6
7 20	16 50.24	−18 1.9	2.353	3.161	13.0	20.7

73197 2002 JL_{12} 6 10.7 201°.89 9°.1/ 7.2 18

5 11	17 38.91	− 1 22.8	1.914	2.769	13.4	19.2
5 21	17 32.99	+ 0 15.5	1.857	2.767	11.2	19.0
5 31	17 25.38	+ 1 40.7	1.824	2.766	9.5	18.9
6 10	17 16.86	+ 2 47.0	1.815	2.765	9.2	18.9
6 20	17 8.31	+ 3 30.6	1.832	2.763	10.4	19.0
6 30	17 0.63	+ 3 50.1	1.872	2.762	12.4	19.1
7 10	16 54.56	+ 3 46.7	1.933	2.760	14.7	19.3
7 20	16 50.59	+ 3 23.6	2.012	2.758	16.8	19.4

478199 2011 UQ_{252} 6 10.7 253°.01 3°.0/ 9.7 17

5 11	17 37.46	−15 42.8	2.315	3.197	10.4	21.2
5 21	17 31.84	−15 0.8	2.240	3.190	7.5	21.0
5 31	17 24.74	−14 20.6	2.192	3.183	4.6	20.8
6 10	17 16.82	−13 44.3	2.170	3.176	3.0	20.7
6 20	17 8.84	−13 13.8	2.177	3.169	4.7	20.8
6 30	17 1.58	−12 50.8	2.210	3.162	7.7	21.0
7 10	16 55.69	−12 36.4	2.269	3.155	10.7	21.1
7 20	16 51.63	−12 30.8	2.349	3.148	13.3	21.3

509795 2008 UB_{257} 6 10.7 250°.92 2°.6/10.5 18

5 11	17 41.30	−14 38.3	2.080	2.958	11.5	21.7
5 21	17 34.83	−14 51.4	1.995	2.943	8.4	21.4
5 31	17 26.48	−15 10.2	1.935	2.928	5.0	21.2
6 10	17 16.94	−15 34.8	1.902	2.911	2.6	21.0
6 20	17 7.12	−16 4.7	1.897	2.895	4.7	21.1
6 30	16 57.98	−16 39.4	1.920	2.878	8.3	21.3
7 10	16 50.40	−17 18.1	1.967	2.861	11.7	21.5
7 20	16 44.98	−18 0.2	2.037	2.843	14.8	21.6

18115 Rathbun 6 10.7 272°.95 4°.9/ 9.8 18

5 11	17 37.47	− 9 15.7	2.149	3.023	11.4	18.8
5 21	17 31.96	− 8 52.5	2.076	3.015	8.7	18.6
5 31	17 24.86	− 8 37.5	2.026	3.006	6.1	18.4
6 10	17 16.85	− 8 32.3	2.003	2.997	4.9	18.3
6 20	17 8.70	− 8 38.3	2.007	2.988	6.2	18.4
6 30	17 1.26	− 8 55.6	2.037	2.979	8.9	18.5
7 10	16 55.24	− 9 23.3	2.091	2.970	11.7	18.7
7 20	16 51.14	−10 0.1	2.166	2.962	14.3	18.8

292620 2006 UL_{6} 6 10.7 253°.80 0°.6/10.6 17

5 11	17 42.85	−21 32.9	1.751	2.639	12.9	21.5
5 21	17 36.27	−21 31.7	1.667	2.623	9.2	21.2
5 31	17 27.37	−21 29.7	1.608	2.606	4.9	20.9
6 10	17 17.03	−21 26.5	1.574	2.589	0.7	20.6
6 20	17 6.36	−21 22.2	1.567	2.571	4.5	20.8
6 30	16 56.59	−21 18.3	1.587	2.553	9.0	21.0
7 10	16 48.79	−21 16.4	1.631	2.535	13.1	21.2
7 20	16 43.64	−21 18.3	1.694	2.516	16.7	21.4

304704 2006 WO_{189} 6 10.7 224°.26 2°.3/10.1 18

5 11	17 37.81	−15 21.0	2.809	3.682	9.0	22.1
5 21	17 31.94	−15 5.0	2.725	3.671	6.5	21.9
5 31	17 24.77	−14 51.5	2.669	3.660	3.9	21.7
6 10	17 16.86	−14 41.3	2.640	3.648	2.3	21.6
6 20	17 8.83	−14 35.3	2.641	3.635	3.9	21.7
6 30	17 1.36	−14 34.1	2.670	3.622	6.6	21.8
7 10	16 55.02	−14 38.2	2.725	3.609	9.2	22.0
7 20	16 50.24	−14 47.6	2.803	3.595	11.5	22.1

352020 2006 VS_{17} 6 10.7 178°.99 1°.5/10.2 18

5 11	17 38.44	−19 56.6	2.388	3.270	10.1	21.3
5 21	17 32.48	−19 25.1	2.319	3.271	7.1	21.1
5 31	17 25.06	−18 52.8	2.275	3.272	3.9	20.9
6 10	17 16.88	−18 21.1	2.259	3.272	1.5	20.7
6 20	17 8.68	−17 51.3	2.271	3.272	3.8	20.9
6 30	17 1.25	−17 25.4	2.312	3.272	7.0	21.1
7 10	16 55.22	−17 4.7	2.377	3.271	10.0	21.3
7 20	16 51.03	−16 50.3	2.465	3.270	12.5	21.5

436887 2012 TS_{30} 6 10.7 292°.71 2°.5/10.2 16

5 11	17 39.26	−17 36.9	1.746	2.638	12.7	21.2
5 21	17 33.62	−17 15.5	1.668	2.624	9.1	20.9
5 31	17 25.90	−16 56.0	1.613	2.610	5.2	20.7
6 10	17 16.95	−16 39.7	1.585	2.596	2.5	20.4
6 20	17 7.76	−16 28.1	1.582	2.582	5.1	20.6
6 30	16 59.46	−16 22.5	1.605	2.568	9.2	20.8
7 10	16 52.99	−16 24.1	1.651	2.555	13.0	21.0
7 20	16 48.96	−16 33.3	1.718	2.541	16.4	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
319745 2006 UL_{143}			6 10.7 250°.24	2°.4/10.1 18		
	h m	° ′			°	m
5 11	17 41.82	−18 47.4	1.677	2.568	13.2	20.6
5 21	17 35.46	−18 10.4	1.601	2.556	9.5	20.4
5 31	17 26.89	−17 33.0	1.548	2.545	5.4	20.1
6 10	17 17.01	−16 57.2	1.521	2.533	2.4	19.9
6 20	17 6.94	−16 25.2	1.521	2.521	5.3	20.1
6 30	16 57.88	−15 59.8	1.546	2.508	9.6	20.3
7 10	16 50.80	−15 42.9	1.595	2.495	13.6	20.5
7 20	16 46.34	−15 35.6	1.663	2.482	17.0	20.7
393057 2013 AJ_{61}			6 10.7 27°.40	0°.1/10.7 17		
5 11	17 39.79	−21 51.5	2.011	2.898	11.5	20.1
5 21	17 33.76	−22 19.6	1.945	2.900	8.1	19.9
5 31	17 25.88	−22 47.9	1.904	2.902	4.3	19.7
6 10	17 16.94	−23 15.2	1.889	2.904	0.3	19.4
6 20	17 7.88	−23 40.3	1.902	2.907	3.8	19.7
6 30	16 59.68	−24 3.1	1.943	2.910	7.6	19.9
7 10	16 53.17	−24 24.3	2.008	2.913	11.0	20.1
7 20	16 48.89	−24 44.8	2.095	2.916	13.9	20.3
117457 2005 AU_{68}			6 10.7 332°.72	1°.4/10.9 18		
5 11	17 40.50	−26 24.8	1.749	2.639	12.8	20.2
5 21	17 34.53	−26 37.9	1.680	2.635	9.1	19.9
5 31	17 26.39	−26 46.4	1.634	2.632	5.1	19.7
6 10	17 16.98	−26 49.0	1.615	2.629	1.5	19.4
6 20	17 7.42	−26 45.5	1.622	2.626	4.3	19.6
6 30	16 58.91	−26 37.1	1.654	2.623	8.5	19.9
7 10	16 52.39	−26 26.5	1.711	2.621	12.3	20.1
7 20	16 48.48	−26 16.2	1.787	2.618	15.5	20.3
17078 Sellers			6 10.7 277°.67	4°.0/10.9 18		
5 11	17 42.16	−32 55.1	2.155	3.025	11.5	18.2
5 21	17 35.67	−33 45.5	2.075	3.013	8.7	18.0
5 31	17 27.02	−34 28.8	2.019	3.002	5.8	17.8
6 10	17 17.03	−35 1.6	1.989	2.990	4.1	17.6
6 20	17 6.71	−35 21.8	1.987	2.978	5.4	17.7
6 30	16 57.18	−35 29.6	2.012	2.966	8.3	17.9
7 10	16 49.44	−35 27.4	2.061	2.954	11.3	18.0
7 20	16 44.15	−35 18.6	2.132	2.942	14.1	18.2
521012 2015 CS_{67}			6 10.7 1°.52	7°.5/10.8 17		
5 11	17 39.24	− 5 33.6	1.332	2.217	16.3	20.0
5 21	17 33.87	− 5 33.4	1.275	2.216	12.7	19.8
5 31	17 26.11	− 5 51.8	1.238	2.215	9.3	19.6
6 10	17 16.97	− 6 30.9	1.223	2.215	7.5	19.5
6 20	17 7.68	− 7 30.0	1.232	2.216	8.8	19.6
6 30	16 59.54	− 8 46.0	1.265	2.218	12.1	19.8
7 10	16 53.62	−10 14.0	1.319	2.220	15.8	20.0
7 20	16 50.52	−11 49.1	1.392	2.224	19.1	20.2
382478 2000 XB_{37}			6 10.7 226°.32	4°.4/11.7 18		
5 11	17 45.23	−37 11.4	2.395	3.246	11.2	21.7
5 21	17 37.61	−37 25.2	2.309	3.233	8.6	21.6
5 31	17 27.95	−37 27.4	2.247	3.220	6.1	21.4
6 10	17 17.09	−37 15.3	2.212	3.206	4.5	21.2
6 20	17 6.06	−36 48.6	2.205	3.191	5.4	21.3
6 30	16 55.94	−36 9.2	2.226	3.175	7.9	21.4
7 10	16 47.65	−35 21.1	2.273	3.159	10.7	21.6
7 20	16 41.77	−34 29.1	2.342	3.142	13.3	21.7
179368 2001 XB_{220}			6 10.7 158°.72	0°.4/10.8 17		
5 11	17 39.50	−25 31.4	2.374	3.254	10.2	20.7
5 21	17 33.26	−25 11.4	2.306	3.257	7.2	20.5
5 31	17 25.50	−24 47.0	2.263	3.260	3.9	20.3
6 10	17 16.93	−24 18.6	2.248	3.263	0.5	20.0
6 20	17 8.38	−23 47.4	2.261	3.265	3.3	20.3
6 30	17 0.65	−23 15.5	2.303	3.267	6.7	20.5
7 10	16 54.43	−22 45.0	2.370	3.269	9.8	20.7
7 20	16 50.14	−22 18.2	2.459	3.271	12.4	20.9
355149 2006 VX_{21}			6 10.7 149°.57	4°.6/ 8.9 17		
5 11	17 38.03	−10 5.8	2.566	3.434	10.0	21.3
5 21	17 32.03	− 9 2.7	2.506	3.441	7.6	21.1
5 31	17 24.77	− 8 4.7	2.471	3.447	5.4	21.0
6 10	17 16.89	− 7 14.8	2.465	3.453	4.6	20.9
6 20	17 9.03	− 6 35.1	2.487	3.458	5.8	21.0
6 30	17 1.88	− 6 7.1	2.536	3.464	8.0	21.2
7 10	16 55.99	− 5 51.3	2.610	3.469	10.4	21.3
7 20	16 51.74	− 5 46.8	2.705	3.473	12.5	21.5
46334 2001 QA_{296}			6 10.7 206°.35	6°.7/ 9.1 18		
5 11	17 39.84	− 5 4.9	2.106	2.966	12.2	19.2
5 21	17 33.61	− 4 16.6	2.038	2.961	9.7	19.0
5 31	17 25.74	− 3 38.7	1.993	2.956	7.5	18.9
6 10	17 16.96	− 3 14.4	1.975	2.950	6.7	18.8
6 20	17 8.08	− 3 5.8	1.983	2.944	7.8	18.9
6 30	16 59.97	− 3 13.4	2.016	2.937	10.2	19.0
7 10	16 53.36	− 3 36.2	2.074	2.929	12.8	19.2
7 20	16 48.73	− 4 11.9	2.151	2.921	15.2	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
377724 2005 WZ_{162}			6 10.7 186°.12	0°.4/10.6 18		
	h m	° ′			°	m
5 11	17 42.07	−21 30.1	2.358	3.235	10.4	22.3
5 21	17 35.14	−21 37.5	2.285	3.235	7.4	22.1
5 31	17 26.54	−21 44.2	2.237	3.234	3.9	21.9
6 10	17 17.01	−21 49.9	2.218	3.233	0.4	21.6
6 20	17 7.38	−21 54.4	2.227	3.230	3.5	21.8
6 30	16 58.51	−21 58.3	2.266	3.228	7.0	22.0
7 10	16 51.15	−22 2.7	2.330	3.224	10.1	22.2
7 20	16 45.80	−22 8.7	2.416	3.220	12.8	22.4
311942 2007 CG_{47}			6 10.7 126°.29	0°.6/10.8 18		
5 11	17 38.53	−25 38.1	2.553	3.432	9.7	20.7
5 21	17 32.50	−25 29.5	2.489	3.439	6.8	20.6
5 31	17 25.07	−25 17.1	2.450	3.447	3.7	20.4
6 10	17 16.91	−25 1.1	2.439	3.454	0.6	20.1
6 20	17 8.77	−24 42.0	2.457	3.461	3.1	20.4
6 30	17 1.40	−24 21.4	2.503	3.468	6.2	20.6
7 10	16 55.41	−24 1.2	2.575	3.474	9.1	20.8
7 20	16 51.22	−23 42.9	2.669	3.481	11.5	20.9
147163 2002 VR_{8}			6 10.7 336°.30	3°.4/11.3 18		
5 11	17 42.21	−31 9.6	1.367	2.261	15.4	19.3
5 21	17 36.27	−31 12.8	1.301	2.255	11.3	19.0
5 31	17 27.50	−31 4.3	1.256	2.250	6.9	18.8
6 10	17 17.08	−30 42.2	1.235	2.245	3.5	18.6
6 20	17 6.52	−30 6.9	1.239	2.241	5.7	18.7
6 30	16 57.39	−29 22.2	1.266	2.238	10.2	18.9
7 10	16 50.93	−28 34.0	1.316	2.234	14.6	19.2
7 20	16 47.76	−27 47.7	1.384	2.231	18.3	19.4
480637 2015 NG_{9}			6 10.7 272°.51	1°.1/10.4 18		
5 11	17 38.14	−21 16.7	2.317	3.201	10.3	21.4
5 21	17 32.43	−20 48.0	2.234	3.188	7.3	21.2
5 31	17 25.13	−20 17.5	2.176	3.174	3.9	21.0
6 10	17 16.93	−19 46.0	2.145	3.160	1.1	20.7
6 20	17 8.60	−19 15.1	2.143	3.145	3.7	20.9
6 30	17 0.98	−18 46.7	2.169	3.131	7.2	21.1
7 10	16 54.78	−18 22.7	2.219	3.117	10.4	21.3
7 20	16 50.50	−18 4.5	2.292	3.102	13.2	21.4
153378 2001 QA_{23}			6 10.7 292°.59	3°.4/10.1 17		
5 11	17 41.06	−16 1.9	1.606	2.498	13.6	19.9
5 21	17 35.26	−15 36.4	1.511	2.466	10.0	19.6
5 31	17 26.99	−15 13.8	1.439	2.434	6.0	19.3
6 10	17 17.06	−14 56.0	1.392	2.402	3.4	19.1
6 20	17 6.59	−14 44.8	1.371	2.369	6.1	19.1
6 30	16 56.86	−14 42.2	1.375	2.336	10.6	19.3
7 10	16 49.08	−14 49.2	1.402	2.304	15.0	19.5
7 20	16 44.04	−15 6.2	1.447	2.271	18.9	19.6
516215 2016 TT_{72}			6 10.7 224°.09	3°.5/ 9.8 18		
5 11	17 36.99	−11 15.6	2.782	3.651	9.3	22.3
5 21	17 31.36	−10 50.6	2.703	3.642	6.9	22.1
5 31	17 24.47	−10 30.4	2.650	3.632	4.7	21.9
6 10	17 16.88	−10 16.3	2.625	3.622	3.5	21.8
6 20	17 9.20	−10 9.6	2.628	3.611	4.8	21.9
6 30	17 2.05	−10 10.7	2.658	3.600	7.1	22.0
7 10	16 56.03	−10 19.8	2.715	3.588	9.6	22.2
7 20	16 51.53	−10 36.2	2.793	3.576	11.8	22.3
273792 2007 FJ_{11}			6 10.7 13°.42	0°.8/10.5 17		
5 11	17 37.42	−23 23.0	1.153	2.067	16.0	19.5
5 21	17 32.82	−22 48.5	1.104	2.072	11.3	19.2
5 31	17 25.57	−22 9.8	1.076	2.078	6.0	18.9
6 10	17 16.95	−21 28.8	1.071	2.086	0.8	18.6
6 20	17 8.40	−20 48.7	1.088	2.095	5.4	18.9
6 30	17 1.38	−20 13.5	1.129	2.105	10.5	19.2
7 10	16 56.94	−19 46.4	1.190	2.117	15.1	19.5
7 20	16 55.59	−19 28.8	1.269	2.130	18.9	19.8
228132 2009 QC_{13}			6 10.7 235°.95	4°.4/11.5 18		
5 11	17 45.25	−34 49.1	1.914	2.780	12.9	21.5
5 21	17 37.98	−35 6.0	1.833	2.769	9.8	21.3
5 31	17 28.28	−35 11.2	1.776	2.758	6.5	21.0
6 10	17 17.14	−35 1.8	1.745	2.746	4.4	20.9
6 20	17 5.77	−34 37.1	1.741	2.734	5.7	20.9
6 30	16 55.49	−33 59.4	1.763	2.721	8.9	21.1
7 10	16 47.38	−33 13.5	1.810	2.707	12.4	21.3
7 20	16 42.10	−32 24.8	1.877	2.694	15.5	21.5
441429 2008 GC_{127}			6 10.7 23°.20	2°.7/10.5 17		
5 11	17 38.12	−14 2.4	2.158	3.040	11.1	20.5
5 21	17 32.42	−14 16.2	2.093	3.042	8.0	20.3
5 31	17 25.12	−14 35.9	2.052	3.044	4.8	20.1
6 10	17 16.93	−15 1.4	2.038	3.047	2.7	19.9
6 20	17 8.65	−15 32.1	2.052	3.050	4.5	20.1
6 30	17 1.12	−16 7.5	2.093	3.053	7.6	20.3
7 10	16 55.06	−16 46.6	2.160	3.056	10.7	20.5
7 20	16 50.96	−17 28.7	2.248	3.059	13.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519085 2010 LT_{54}			6 10.7 235°.20	7°.0/12.5 18		
	h m	° ′			°	m
5 11	17 44.65	−45 58.9	2.499	3.317	11.8	21.0
5 21	17 37.31	−46 28.0	2.423	3.311	9.8	20.9
5 31	17 27.81	−46 41.1	2.371	3.305	8.1	20.7
6 10	17 17.10	−46 34.9	2.344	3.299	7.1	20.7
6 20	17 6.30	−46 8.5	2.342	3.293	7.4	20.7
6 30	16 56.58	−45 23.9	2.367	3.286	8.9	20.8
7 10	16 48.87	−44 25.8	2.416	3.280	10.9	20.9
7 20	16 43.75	−43 19.6	2.486	3.273	12.9	21.0
21437 Georgechen			6 10.7 313°.00	6°.8/ 8.5 18		
5 11	17 37.85	−10 38.8	1.521	2.413	14.2	17.4
5 21	17 32.81	− 9 16.9	1.445	2.393	11.0	17.2
5 31	17 25.56	− 8 0.3	1.391	2.373	8.0	17.0
6 10	17 16.97	− 6 54.8	1.362	2.354	6.9	16.8
6 20	17 8.12	− 6 5.5	1.357	2.336	8.8	16.9
6 30	17 0.20	− 5 35.9	1.376	2.317	12.3	17.1
7 10	16 54.22	− 5 26.9	1.415	2.300	16.0	17.2
7 20	16 50.84	− 5 36.9	1.473	2.283	19.3	17.4
364702 2007 UQ_{89}			6 10.7 296°.09	1°.9/10.8 18		
5 11	17 43.28	−25 14.5	1.321	2.221	15.4	20.2
5 21	17 37.30	−25 52.9	1.245	2.205	11.1	19.9
5 31	17 28.25	−26 29.6	1.190	2.188	6.2	19.6
6 10	17 17.16	−27 1.1	1.159	2.172	1.9	19.2
6 20	17 5.50	−27 24.8	1.152	2.157	5.6	19.4
6 30	16 55.00	−27 40.5	1.169	2.141	10.8	19.7
7 10	16 47.13	−27 50.6	1.208	2.126	15.7	19.9
7 20	16 42.75	−27 58.3	1.265	2.111	19.8	20.1
348774 2006 KG_{27}			6 10.7 308°.49	3°.6/10.6 18		
5 11	17 42.38	−29 10.8	1.682	2.569	13.4	20.4
5 21	17 36.31	−30 13.0	1.600	2.550	9.9	20.1
5 31	17 27.60	−31 11.7	1.540	2.532	6.1	19.8
6 10	17 17.11	−32 2.3	1.507	2.514	3.6	19.6
6 20	17 6.08	−32 41.1	1.499	2.497	5.7	19.7
6 30	16 55.92	−33 7.3	1.517	2.479	9.7	19.9
7 10	16 47.91	−33 22.7	1.558	2.463	13.6	20.1
7 20	16 42.90	−33 30.9	1.619	2.446	17.0	20.3
215824 2005 AY_{25}			6 10.7 175°.30	0°.6/10.6 16		
5 11	17 44.61	−22 0.8	1.882	2.764	12.4	22.1
5 21	17 37.19	−21 53.7	1.815	2.767	8.8	21.9
5 31	17 27.72	−21 44.7	1.772	2.770	4.7	21.7
6 10	17 17.12	−21 33.9	1.757	2.772	0.6	21.4
6 20	17 6.46	−21 21.8	1.769	2.773	4.2	21.6
6 30	16 56.86	−21 10.1	1.809	2.773	8.3	21.9
7 10	16 49.19	−21 0.8	1.873	2.772	12.0	22.1
7 20	16 44.02	−20 55.4	1.959	2.771	15.1	22.3
163058 2001 YV_{78}			6 10.7 163°.84	4°.0/11.6 17		
5 11	17 46.66	−33 9.1	1.520	2.399	14.9	20.0
5 21	17 39.16	−33 11.8	1.457	2.402	11.1	19.8
5 31	17 28.93	−33 1.2	1.416	2.404	7.0	19.6
6 10	17 17.19	−32 35.0	1.399	2.406	4.0	19.4
6 20	17 5.47	−31 53.7	1.409	2.408	5.8	19.5
6 30	16 55.25	−31 1.7	1.444	2.410	9.8	19.7
7 10	16 47.70	−30 5.2	1.502	2.411	13.8	20.0
7 20	16 43.39	−29 10.2	1.580	2.411	17.2	20.2
487693 2015 PD_{308}			6 10.7 289°.72	10°.7/ 7.5 17		
5 11	17 38.78	+11 14.4	2.498	3.277	12.9	21.6
5 21	17 32.90	+11 56.4	2.405	3.241	11.7	21.5
5 31	17 25.44	+12 19.6	2.333	3.204	10.9	21.3
6 10	17 16.98	+12 19.8	2.283	3.167	10.7	21.3
6 20	17 8.20	+11 54.7	2.258	3.129	11.3	21.2
6 30	16 59.89	+11 4.0	2.256	3.090	12.6	21.3
7 10	16 52.76	+ 9 50.2	2.275	3.052	14.3	21.3
7 20	16 47.37	+ 8 17.4	2.313	3.013	16.1	21.4
496311 2013 GK_{101}			6 10.7 304°.60	5°.0/ 9.6 17		
5 11	17 40.11	−15 29.4	1.227	2.131	16.0	20.8
5 21	17 34.88	−14 30.8	1.154	2.114	11.8	20.5
5 31	17 26.85	−13 34.6	1.102	2.096	7.4	20.2
6 10	17 17.08	−12 45.3	1.072	2.079	5.0	20.0
6 20	17 6.95	−12 7.4	1.067	2.063	7.8	20.1
6 30	16 57.99	−11 44.7	1.084	2.046	12.6	20.3
7 10	16 51.51	−11 38.8	1.120	2.030	17.3	20.5
7 20	16 48.24	−11 49.2	1.174	2.015	21.4	20.7
41140 1999 VV_{122}			6 10.7 106°.48	2°.6/10.1 18		
5 11	17 37.39	−15 11.2	2.416	3.296	10.1	19.7
5 21	17 31.70	−14 51.2	2.357	3.305	7.3	19.5
5 31	17 24.66	−14 34.4	2.322	3.314	4.4	19.3
6 10	17 16.92	−14 22.0	2.315	3.322	2.6	19.2
6 20	17 9.19	−14 14.8	2.336	3.331	4.3	19.3
6 30	17 2.20	−14 13.7	2.385	3.339	7.1	19.5
7 10	16 56.54	−14 18.7	2.459	3.347	9.9	19.7
7 20	16 52.62	−14 29.8	2.554	3.356	12.3	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
157773 2007 EW_{135}			6 10.7 18°.95	0°.9/10.6 17		
	h m	° ′			°	m
5 11	17 40.49	−21 34.2	1.511	2.409	13.9	20.4
5 21	17 34.63	−21 24.0	1.451	2.411	9.8	20.2
5 31	17 26.47	−21 12.7	1.414	2.413	5.3	19.9
6 10	17 17.05	−21 0.7	1.401	2.416	0.9	19.6
6 20	17 7.58	−20 49.0	1.414	2.418	4.7	19.9
6 30	16 59.30	−20 39.2	1.451	2.421	9.3	20.1
7 10	16 53.20	−20 33.5	1.512	2.425	13.4	20.4
7 20	16 49.85	−20 32.9	1.592	2.429	16.9	20.6
406045 2006 UY_{2}			6 10.7 272°.95	0°.5/10.6 18		
5 11	17 34.89	−21 4.0	3.349	4.227	7.6	21.3
5 21	17 29.84	−21 3.0	3.258	4.208	5.4	21.1
5 31	17 23.68	−21 1.7	3.192	4.189	2.9	20.9
6 10	17 16.88	−21 0.1	3.156	4.170	0.5	20.7
6 20	17 9.95	−20 58.6	3.148	4.151	2.6	20.9
6 30	17 3.44	−20 57.6	3.170	4.132	5.2	21.0
7 10	16 57.86	−20 57.7	3.218	4.113	7.6	21.2
7 20	16 53.59	−20 59.8	3.290	4.093	9.7	21.3
431867 2008 SD_{124}			6 10.7 316°.22	0°.5/10.8 17		
5 11	17 39.84	−24 47.9	1.531	2.429	13.8	21.1
5 21	17 34.38	−24 40.7	1.455	2.415	9.9	20.9
5 31	17 26.47	−24 29.1	1.402	2.401	5.3	20.6
6 10	17 17.08	−24 12.6	1.373	2.388	0.6	20.2
6 20	17 7.42	−23 52.0	1.369	2.375	4.6	20.5
6 30	16 58.84	−23 29.8	1.390	2.362	9.4	20.7
7 10	16 52.45	−23 8.9	1.434	2.350	13.8	20.9
7 20	16 48.91	−22 52.2	1.497	2.339	17.5	21.1
140814 2001 US_{159}			6 10.7 328°.01	2°.3/10.8 18		
5 11	17 40.52	−26 47.4	1.800	2.688	12.5	19.1
5 21	17 34.69	−27 34.4	1.725	2.679	9.0	18.8
5 31	17 26.60	−28 18.8	1.674	2.670	5.2	18.6
6 10	17 17.09	−28 57.5	1.649	2.661	2.3	18.4
6 20	17 7.27	−29 28.3	1.650	2.652	4.7	18.5
6 30	16 58.34	−29 50.8	1.678	2.644	8.6	18.7
7 10	16 51.36	−30 6.5	1.729	2.637	12.3	18.9
7 20	16 46.99	−30 17.9	1.801	2.630	15.5	19.1
290918 2005 WQ_{117}			6 10.7 201°.84	3°.0/10.9 17		
5 11	17 47.26	−28 37.7	1.516	2.400	14.7	21.2
5 21	17 39.76	−29 16.6	1.447	2.398	10.7	21.0
5 31	17 29.40	−29 49.1	1.401	2.395	6.3	20.7
6 10	17 17.29	−30 11.4	1.380	2.391	3.1	20.5
6 20	17 4.89	−30 21.5	1.386	2.387	5.6	20.6
6 30	16 53.78	−30 20.3	1.417	2.382	10.0	20.9
7 10	16 45.23	−30 11.7	1.471	2.377	14.2	21.1
7 20	16 39.98	−30 0.2	1.544	2.371	17.8	21.3
431050 2006 BJ_{72}			6 10.7 223°.76	0°.3/10.7 18		
5 11	17 41.83	−21 45.4	2.068	2.950	11.4	21.5
5 21	17 35.25	−21 53.3	1.989	2.942	8.1	21.3
5 31	17 26.75	−22 0.7	1.936	2.933	4.3	21.1
6 10	17 17.11	−22 6.9	1.909	2.924	0.4	20.7
6 20	17 7.28	−22 11.8	1.911	2.915	3.8	21.0
6 30	16 58.25	−22 16.0	1.940	2.905	7.7	21.2
7 10	16 50.91	−22 20.7	1.995	2.895	11.3	21.4
7 20	16 45.81	−22 27.3	2.071	2.884	14.3	21.6
157682 2005 YH_{172}			6 10.7 221°.40	5°.8/11.1 18		
5 11	17 46.83	−37 49.8	2.115	2.967	12.4	20.7
5 21	17 39.16	−38 49.0	2.037	2.959	9.8	20.5
5 31	17 29.01	−39 37.1	1.983	2.951	7.2	20.4
6 10	17 17.28	−40 9.5	1.956	2.942	5.8	20.3
6 20	17 5.18	−40 23.5	1.956	2.932	6.8	20.3
6 30	16 54.03	−40 19.6	1.983	2.922	9.3	20.4
7 10	16 44.97	−40 1.8	2.033	2.911	12.1	20.6
7 20	16 38.73	−39 35.2	2.104	2.900	14.7	20.8
383528 2007 DN_{36}			6 10.7 304°.16	4°.1/11.1 17		
5 11	17 42.52	−31 15.1	1.503	2.392	14.5	19.7
5 21	17 36.75	−31 48.1	1.413	2.364	10.9	19.4
5 31	17 28.00	−32 13.2	1.345	2.336	6.9	19.1
6 10	17 17.23	−32 26.0	1.301	2.308	4.1	18.9
6 20	17 5.79	−32 24.2	1.282	2.281	6.2	18.9
6 30	16 55.35	−32 8.7	1.287	2.254	10.6	19.1
7 10	16 47.34	−31 43.7	1.314	2.227	15.0	19.3
7 20	16 42.68	−31 14.6	1.360	2.200	19.0	19.4
25066 1998 QN_{86}			6 10.7 226°.16	1°.7/11.2 18		
5 11	17 41.78	−29 9.3	2.250	3.125	10.9	18.4
5 21	17 35.11	−29 0.4	2.170	3.117	7.9	18.2
5 31	17 26.63	−28 44.4	2.114	3.108	4.5	18.0
6 10	17 17.12	−28 20.7	2.086	3.098	1.8	17.8
6 20	17 7.50	−27 49.8	2.086	3.089	3.8	17.9
6 30	16 58.74	−27 14.1	2.114	3.078	7.2	18.1
7 10	16 51.66	−26 36.6	2.168	3.068	10.5	18.3
7 20	16 46.76	−26 0.5	2.244	3.057	13.4	18.5

342677 2008 VC_{38} 6 10.7 235°.09 1°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 43.01	−25 58.8	2.171	3.048	11.2	20.7
5 21	17 36.15	−26 34.3	2.088	3.037	8.0	20.5
5 31	17 27.29	−27 7.2	2.030	3.025	4.5	20.2
6 10	17 17.17	−27 35.5	2.000	3.013	1.6	20.0
6 20	17 6.75	−27 57.6	1.998	3.000	4.0	20.2
6 30	16 57.08	−28 13.4	2.024	2.987	7.6	20.4
7 10	16 49.07	−28 24.3	2.076	2.974	11.0	20.5
7 20	16 43.35	−28 32.6	2.149	2.960	14.0	20.7

258146 2001 RF_{133} 6 10.7 128°.02 1°.5/10.9 18

5 11	17 43.80	−26 23.0	1.799	2.683	12.8	20.0
5 21	17 36.75	−26 41.8	1.740	2.692	9.1	19.8
5 31	17 27.55	−26 56.0	1.704	2.700	5.0	19.5
6 10	17 17.18	−27 3.9	1.695	2.708	1.6	19.3
6 20	17 6.78	−27 5.0	1.713	2.716	4.3	19.5
6 30	16 57.52	−27 0.6	1.758	2.724	8.3	19.8
7 10	16 50.32	−26 53.3	1.827	2.731	11.9	20.0
7 20	16 45.74	−26 45.8	1.916	2.738	15.0	20.2

101720 1999 EP_{1} 6 10.7 201°.61 0°.2/10.7 18

5 11	17 42.40	−22 49.9	2.011	2.894	11.7	21.3
5 21	17 35.63	−22 43.2	1.937	2.890	8.3	21.1
5 31	17 26.94	−22 34.2	1.888	2.886	4.4	20.9
6 10	17 17.15	−22 22.9	1.867	2.882	0.4	20.5
6 20	17 7.25	−22 9.7	1.873	2.877	3.9	20.8
6 30	16 58.26	−21 56.3	1.907	2.872	7.9	21.0
7 10	16 51.04	−21 44.5	1.965	2.866	11.4	21.3
7 20	16 46.12	−21 36.2	2.045	2.859	14.5	21.4

380577 2004 RJ_{169} 6 10.7 305°.75 7°.6/11.6 18

5 11	17 45.33	−40 9.4	1.650	2.511	14.9	20.6
5 21	17 38.58	−41 4.5	1.580	2.504	12.0	20.4
5 31	17 28.85	−41 43.9	1.532	2.497	9.2	20.2
6 10	17 17.29	−42 1.8	1.508	2.490	7.6	20.1
6 20	17 5.40	−41 55.7	1.509	2.483	8.5	20.2
6 30	16 54.86	−41 27.4	1.533	2.477	11.1	20.3
7 10	16 47.01	−40 43.0	1.579	2.471	14.2	20.5
7 20	16 42.57	−39 49.8	1.645	2.465	17.2	20.6

277452 2005 UW_{508} 6 10.7 316°.82 4°.1/10.3 18

5 11	17 43.63	−30 9.6	1.939	2.816	12.3	19.6
5 21	17 37.04	−31 35.9	1.857	2.801	9.2	19.4
5 31	17 27.98	−32 59.3	1.800	2.787	6.0	19.2
6 10	17 17.25	−34 14.3	1.771	2.774	4.1	19.0
6 20	17 5.96	−35 16.6	1.769	2.760	5.8	19.1
6 30	16 55.39	−36 4.3	1.794	2.747	9.1	19.3
7 10	16 46.73	−36 38.7	1.843	2.735	12.5	19.5
7 20	16 40.80	−37 2.7	1.913	2.722	15.5	19.6

446451 2014 JN_{63} 6 10.7 351°.22 6°.5/ 9.8 16

5 11	17 36.17	− 5 33.3	1.927	2.798	12.6	20.9
5 21	17 31.19	− 5 7.1	1.863	2.795	9.9	20.7
5 31	17 24.56	− 4 53.0	1.822	2.791	7.6	20.6
6 10	17 17.01	− 4 53.6	1.806	2.789	6.5	20.5
6 20	17 9.36	− 5 9.9	1.815	2.786	7.6	20.6
6 30	17 2.50	− 5 41.4	1.849	2.784	10.1	20.7
7 10	16 57.17	− 6 26.3	1.906	2.783	12.8	20.9
7 20	16 53.86	− 7 21.8	1.983	2.782	15.3	21.1

305309 2008 AP_{40} 6 10.7 71°.17 2°.5/11.2 16

5 11	17 40.39	−30 23.2	2.133	3.010	11.3	21.2
5 21	17 34.19	−30 33.9	2.067	3.013	8.2	21.0
5 31	17 26.15	−30 37.3	2.025	3.016	4.9	20.8
6 10	17 17.12	−30 32.2	2.010	3.019	2.5	20.7
6 20	17 8.03	−30 18.6	2.022	3.022	4.2	20.8
6 30	16 59.89	−29 58.2	2.061	3.025	7.4	21.0
7 10	16 53.48	−29 33.9	2.125	3.028	10.6	21.2
7 20	16 49.33	−29 8.7	2.211	3.031	13.3	21.4

377603 2005 QW_{160} 6 10.7 239°.51 0°.5/10.6 18

5 11	17 43.03	−21 43.1	2.345	3.220	10.5	23.5
5 21	17 36.01	−21 41.4	2.251	3.200	7.5	23.2
5 31	17 27.17	−21 38.6	2.182	3.179	4.0	23.0
6 10	17 17.20	−21 34.2	2.142	3.157	0.5	22.7
6 20	17 6.95	−21 28.6	2.132	3.135	3.6	22.9
6 30	16 57.35	−21 22.5	2.150	3.111	7.3	23.1
7 10	16 49.23	−21 17.7	2.193	3.086	10.7	23.2
7 20	16 43.18	−21 15.4	2.260	3.061	13.7	23.4

502241 2015 BL_{98} 6 10.7 212°.98 1°.9/10.5 17

5 11	17 42.54	−17 59.0	1.857	2.741	12.4	22.6
5 21	17 35.86	−17 56.0	1.783	2.736	8.9	22.3
5 31	17 27.13	−17 55.2	1.734	2.730	5.0	22.1
6 10	17 17.20	−17 57.1	1.711	2.724	1.9	21.9
6 20	17 7.08	−18 1.7	1.715	2.717	4.6	22.0
6 30	16 57.88	−18 9.9	1.747	2.709	8.6	22.3
7 10	16 50.51	−18 22.2	1.802	2.701	12.4	22.5
7 20	16 45.55	−18 39.1	1.879	2.693	15.5	22.7

235369 2003 WZ_{23} 6 10.7 188°.92 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.90	−17 41.6	2.040	2.924	11.5	20.6
5 21	17 33.80	−17 37.4	1.972	2.924	8.2	20.4
5 31	17 25.95	−17 35.6	1.928	2.924	4.6	20.2
6 10	17 17.11	−17 36.5	1.911	2.923	1.9	20.0
6 20	17 8.19	−17 40.5	1.922	2.922	4.3	20.1
6 30	17 0.10	−17 48.1	1.959	2.921	7.9	20.3
7 10	16 53.63	−17 59.9	2.021	2.920	11.2	20.6
7 20	16 49.29	−18 16.0	2.105	2.919	14.1	20.7

303241 2004 PP_{86} 6 10.7 334°.48 0°.8/10.6 17

5 11	17 40.85	−22 50.1	1.113	2.024	16.7	20.4
5 21	17 35.62	−22 27.1	1.050	2.016	11.9	20.1
5 31	17 27.33	−22 0.2	1.008	2.009	6.4	19.7
6 10	17 17.22	−21 30.4	0.988	2.003	0.9	19.3
6 20	17 6.89	−20 59.9	0.991	1.997	5.8	19.6
6 30	16 58.06	−20 32.5	1.016	1.992	11.5	19.9
7 10	16 52.06	−20 11.8	1.061	1.987	16.6	20.2
7 20	16 49.58	−20 0.0	1.123	1.984	20.9	20.5

466511 2014 OH_{187} 6 10.7 254°.74 4°.3/ 9.9 17

5 11	17 42.45	−15 17.3	1.407	2.301	15.0	21.3
5 21	17 36.23	−14 36.4	1.337	2.293	11.0	21.0
5 31	17 27.48	−13 59.4	1.290	2.284	6.7	20.8
6 10	17 17.23	−13 29.2	1.267	2.275	4.3	20.6
6 20	17 6.77	−13 8.5	1.270	2.266	6.8	20.7
6 30	16 57.46	−12 59.6	1.296	2.256	11.2	20.9
7 10	16 50.44	−13 3.2	1.344	2.246	15.5	21.2
7 20	16 46.36	−13 18.7	1.410	2.237	19.2	21.4

308721 2006 HG_{1} 6 10.7 31°.52 0°.5/10.8 17

5 11	17 41.85	−22 59.1	1.046	1.959	17.3	20.3
5 21	17 36.24	−23 20.5	1.002	1.969	12.3	20.0
5 31	17 27.57	−23 40.5	0.978	1.980	6.5	19.7
6 10	17 17.23	−23 57.1	0.977	1.992	0.7	19.4
6 20	17 6.94	−24 9.4	0.998	2.004	5.6	19.8
6 30	16 58.40	−24 18.5	1.041	2.018	11.1	20.1
7 10	16 52.86	−24 26.7	1.104	2.032	15.9	20.4
7 20	16 50.87	−24 36.0	1.184	2.047	19.9	20.7

418256 2008 DE_{89} 6 10.7 140°.04 0°.2/10.7 17

5 11	17 43.91	−22 24.1	1.792	2.677	12.8	22.1
5 21	17 36.77	−22 30.1	1.732	2.686	9.0	21.8
5 31	17 27.56	−22 34.7	1.697	2.695	4.8	21.6
6 10	17 17.23	−22 37.0	1.688	2.703	0.4	21.3
6 20	17 6.89	−22 37.3	1.706	2.711	4.1	21.6
6 30	16 57.65	−22 36.4	1.752	2.718	8.3	21.9
7 10	16 50.44	−22 36.3	1.821	2.725	12.0	22.1
7 20	16 45.76	−22 38.5	1.912	2.731	15.1	22.3

332818 2009 WP_{250} 6 10.7 181°.40 0°.5/10.9 18

5 11	17 42.91	−26 44.4	1.885	2.768	12.3	20.3
5 21	17 36.01	−26 4.2	1.816	2.769	8.8	20.1
5 31	17 27.12	−25 16.4	1.771	2.769	4.7	19.9
6 10	17 17.20	−24 22.1	1.754	2.769	0.6	19.5
6 20	17 7.32	−23 23.9	1.764	2.769	4.0	19.8
6 30	16 58.54	−22 25.6	1.802	2.768	8.1	20.1
7 10	16 51.73	−21 31.3	1.864	2.767	11.8	20.3
7 20	16 47.37	−20 44.2	1.948	2.766	14.9	20.5

73009 2002 EN_{30} 6 10.7 328°.63 4°.4/10.2 18

5 11	17 36.23	−15 42.1	1.022	1.941	17.1	18.1
5 21	17 32.68	−15 20.6	0.947	1.915	12.6	17.7
5 31	17 25.98	−15 5.7	0.891	1.890	7.7	17.4
6 10	17 17.15	−15 0.5	0.855	1.866	4.4	17.1
6 20	17 7.67	−15 7.1	0.841	1.844	7.6	17.2
6 30	16 59.34	−15 26.9	0.847	1.823	13.2	17.4
7 10	16 53.72	−15 59.8	0.871	1.803	18.6	17.6
7 20	16 51.79	−16 43.9	0.911	1.786	23.4	17.9

320357 2007 TQ_{227} 6 10.7 159°.39 1°.3/10.9 17

5 11	17 45.31	−26 18.2	1.730	2.613	13.2	21.8
5 21	17 37.91	−26 25.8	1.667	2.619	9.4	21.6
5 31	17 28.23	−26 28.1	1.627	2.624	5.2	21.4
6 10	17 17.29	−26 23.8	1.614	2.629	1.4	21.1
6 20	17 6.30	−26 13.0	1.629	2.633	4.4	21.3
6 30	16 56.52	−25 57.6	1.670	2.636	8.6	21.6
7 10	16 48.92	−25 40.7	1.734	2.639	12.5	21.8
7 20	16 44.07	−25 25.3	1.820	2.641	15.7	22.1

18704 Brychristian 6 10.7 258°.34 1°.1/10.4 18

5 11	17 38.38	−20 51.1	2.210	3.095	10.7	18.8
5 21	17 32.64	−20 27.2	2.138	3.092	7.5	18.6
5 31	17 25.30	−20 2.1	2.091	3.089	4.1	18.4
6 10	17 17.09	−19 36.9	2.072	3.086	1.1	18.2
6 20	17 8.82	−19 12.8	2.080	3.083	3.8	18.4
6 30	17 1.34	−18 51.6	2.116	3.080	7.3	18.6
7 10	16 55.36	−18 34.8	2.177	3.076	10.5	18.8
7 20	16 51.35	−18 23.5	2.259	3.073	13.3	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
48799 Tashikuergan			6 10.7 336°.41		1°.2/10.5 18	
	h m	° ′			°	m
5 11	17 39.26	−19 56.2	1.846	2.737	12.2	19.1
5 21	17 33.54	−19 52.2	1.778	2.734	8.6	18.9
5 31	17 25.88	−19 48.9	1.734	2.732	4.7	18.7
6 10	17 17.14	−19 46.6	1.716	2.730	1.2	18.4
6 20	17 8.28	−19 45.6	1.724	2.728	4.2	18.6
6 30	17 0.34	−19 47.0	1.759	2.726	8.2	18.9
7 10	16 54.18	−19 51.7	1.818	2.724	11.9	19.1
7 20	16 50.33	−20 0.5	1.898	2.723	15.0	19.3
175338 2005 NA_{59}			6 10.7 233°.74		1°.8/10.4 18	
5 11	17 38.67	−17 28.8	2.339	3.220	10.3	20.6
5 21	17 32.82	−17 25.6	2.262	3.213	7.4	20.4
5 31	17 25.41	−17 24.6	2.211	3.206	4.2	20.2
6 10	17 17.11	−17 26.2	2.187	3.199	1.8	20.0
6 20	17 8.68	−17 30.6	2.192	3.192	3.9	20.2
6 30	17 0.93	−17 38.5	2.224	3.185	7.2	20.4
7 10	16 54.57	−17 50.1	2.282	3.177	10.3	20.6
7 20	16 50.08	−18 5.7	2.361	3.169	12.9	20.7
146216 2000 VS_{49}			6 10.7 157°.78		0°.9/10.9 18	
5 11	17 39.29	−25 59.3	2.693	3.569	9.3	20.1
5 21	17 33.09	−26 10.7	2.625	3.573	6.6	20.0
5 31	17 25.49	−26 18.8	2.582	3.578	3.6	19.8
6 10	17 17.12	−26 23.0	2.568	3.582	1.0	19.6
6 20	17 8.69	−26 23.1	2.583	3.586	3.1	19.7
6 30	17 0.96	−26 20.0	2.626	3.590	6.1	19.9
7 10	16 54.55	−26 15.0	2.696	3.593	8.8	20.1
7 20	16 49.90	−26 9.8	2.788	3.596	11.2	20.3
311515 2005 WK_{172}			6 10.7 112°.87		0°.3/10.7 18	
5 11	17 38.28	−21 50.5	2.336	3.220	10.2	21.4
5 21	17 32.53	−21 53.5	2.268	3.221	7.2	21.2
5 31	17 25.24	−21 55.7	2.224	3.222	3.8	21.0
6 10	17 17.11	−21 57.1	2.208	3.223	0.4	20.8
6 20	17 8.90	−21 57.7	2.221	3.225	3.4	21.0
6 30	17 1.44	−21 58.4	2.260	3.226	6.8	21.2
7 10	16 55.41	−22 0.0	2.325	3.227	9.8	21.4
7 20	16 51.28	−22 3.6	2.413	3.228	12.5	21.6
125256 2001 UK_{217}			6 10.7 126°.43		4°.0/ 9.9 17	
5 11	17 40.87	−14 14.2	1.778	2.663	12.8	20.4
5 21	17 34.54	−13 34.0	1.720	2.670	9.4	20.2
5 31	17 26.35	−12 58.3	1.686	2.676	5.9	20.0
6 10	17 17.19	−12 29.7	1.678	2.683	4.0	19.9
6 20	17 8.04	−12 10.1	1.697	2.689	5.9	20.1
6 30	16 59.92	−12 0.8	1.741	2.694	9.4	20.3
7 10	16 53.63	−12 2.3	1.809	2.700	12.7	20.5
7 20	16 49.66	−12 13.8	1.897	2.705	15.6	20.7
237028 2008 SP_{65}			6 10.7 185°.98		0°.5/10.8 18	
5 11	17 41.33	−24 43.1	1.983	2.867	11.7	20.9
5 21	17 34.92	−24 42.4	1.914	2.867	8.3	20.7
5 31	17 26.60	−24 38.2	1.869	2.867	4.5	20.4
6 10	17 17.21	−24 30.1	1.851	2.866	0.6	20.1
6 20	17 7.74	−24 18.3	1.861	2.866	3.8	20.4
6 30	16 59.22	−24 4.6	1.898	2.865	7.7	20.6
7 10	16 52.48	−23 51.0	1.959	2.864	11.3	20.8
7 20	16 48.06	−23 39.6	2.042	2.862	14.3	21.0
250695 2005 QN_{129}			6 10.7 242°.22		8°.7/ 8.7 18	
5 11	17 36.76	+ 4 7.1	2.420	3.243	12.0	20.9
5 21	17 31.37	+ 4 53.2	2.354	3.236	10.3	20.8
5 31	17 24.61	+ 5 23.9	2.311	3.228	9.1	20.7
6 10	17 17.08	+ 5 36.0	2.293	3.221	8.7	20.6
6 20	17 9.46	+ 5 28.1	2.299	3.214	9.4	20.7
6 30	17 2.47	+ 5 0.2	2.330	3.206	10.8	20.7
7 10	16 56.72	+ 4 14.5	2.383	3.198	12.6	20.9
7 20	16 52.65	+ 3 14.3	2.455	3.190	14.4	21.0
290413 2005 TC_{56}			6 10.7 237°.48		3°.9/ 9.7 18	
5 11	17 37.07	−11 35.1	2.469	3.343	10.1	20.6
5 21	17 31.58	−11 1.6	2.394	3.336	7.6	20.5
5 31	17 24.72	−10 33.1	2.345	3.328	5.1	20.3
6 10	17 17.09	−10 11.4	2.323	3.321	3.9	20.2
6 20	17 9.37	− 9 58.0	2.329	3.313	5.2	20.3
6 30	17 2.28	− 9 53.8	2.362	3.306	7.8	20.4
7 10	16 56.45	− 9 58.8	2.420	3.298	10.4	20.6
7 20	16 52.30	−10 12.5	2.499	3.289	12.8	20.7
389246 2009 FR_{31}			6 10.7 168°.49		17°.4/ 8.6 18	
5 11	17 45.42	+13 54.8	1.368	2.165	20.7	21.1
5 21	17 38.15	+15 30.9	1.327	2.170	19.0	21.0
5 31	17 28.42	+16 32.4	1.303	2.174	17.8	20.9
6 10	17 17.35	+16 51.2	1.298	2.177	17.4	20.9
6 20	17 6.28	+16 24.7	1.312	2.179	18.0	20.9
6 30	16 56.56	+15 15.3	1.344	2.181	19.4	21.0
7 10	16 49.22	+13 30.9	1.393	2.181	21.2	21.2
7 20	16 44.85	+11 21.4	1.457	2.181	23.1	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261691 2005 YM_{211}			6 10.7 214°.27		2°.3/11.6 18	
	h m	° ′			°	m
5 11	17 40.60	−32 43.4	2.717	3.580	9.6	21.2
5 21	17 34.04	−32 24.7	2.637	3.575	7.1	21.0
5 31	17 26.01	−31 57.3	2.583	3.570	4.4	20.8
6 10	17 17.18	−31 20.8	2.556	3.564	2.4	20.7
6 20	17 8.36	−30 36.3	2.559	3.558	3.6	20.7
6 30	17 0.32	−29 46.0	2.591	3.552	6.3	20.9
7 10	16 53.73	−28 53.3	2.649	3.545	9.0	21.1
7 20	16 49.01	−28 1.3	2.731	3.539	11.4	21.2
169220 2001 RP_{137}			6 10.7 212°.80		0°.4/10.7 17	
5 11	17 39.49	−22 11.0	2.095	2.981	11.1	20.8
5 21	17 33.53	−22 5.2	2.025	2.980	7.9	20.6
5 31	17 25.84	−21 57.9	1.980	2.979	4.2	20.3
6 10	17 17.18	−21 49.4	1.963	2.978	0.5	20.0
6 20	17 8.44	−21 40.0	1.972	2.976	3.7	20.3
6 30	17 0.54	−21 31.2	2.009	2.975	7.4	20.5
7 10	16 54.27	−21 24.3	2.071	2.974	10.8	20.7
7 20	16 50.11	−21 20.6	2.154	2.973	13.7	20.9
304709 2006 WR_{198}			6 10.7 213°.34		2°.9/10.5 18	
5 11	17 39.14	−12 39.6	2.541	3.412	10.0	21.0
5 21	17 33.05	−12 49.6	2.464	3.407	7.3	20.9
5 31	17 25.52	−13 5.5	2.413	3.401	4.5	20.7
6 10	17 17.16	−13 27.3	2.390	3.396	2.9	20.5
6 20	17 8.66	−13 54.8	2.396	3.390	4.3	20.6
6 30	17 0.77	−14 27.5	2.431	3.383	7.1	20.8
7 10	16 54.14	−15 4.8	2.491	3.377	9.9	21.0
7 20	16 49.22	−15 45.7	2.574	3.370	12.3	21.1
430939 2005 UA_{127}			6 10.7 161°.95		2°.5/10.1 17	
5 11	17 41.51	−16 45.7	2.309	3.185	10.6	23.0
5 21	17 34.68	−16 11.5	2.245	3.192	7.6	22.8
5 31	17 26.34	−15 38.8	2.206	3.199	4.5	22.6
6 10	17 17.21	−15 9.1	2.196	3.204	2.5	22.5
6 20	17 8.11	−14 44.1	2.214	3.209	4.4	22.6
6 30	16 59.84	−14 25.1	2.261	3.214	7.5	22.8
7 10	16 53.07	−14 13.3	2.333	3.217	10.5	23.0
7 20	16 48.23	−14 8.9	2.426	3.220	13.0	23.2
237005 2008 RQ_{97}			6 10.7 202°.14		1°.4/10.9 17	
5 11	17 41.95	−26 36.1	2.131	3.010	11.3	21.4
5 21	17 35.35	−26 52.5	2.058	3.008	8.1	21.2
5 31	17 26.85	−27 4.7	2.009	3.005	4.5	21.0
6 10	17 17.26	−27 11.5	1.988	3.001	1.4	20.8
6 20	17 7.53	−27 12.3	1.995	2.998	3.8	20.9
6 30	16 58.65	−27 8.2	2.029	2.994	7.5	21.2
7 10	16 51.49	−27 1.2	2.088	2.990	10.8	21.4
7 20	16 46.58	−26 53.6	2.169	2.985	13.7	21.5
103241 2000 AK_{2}			6 10.7 227°.76		3°.7/11.5 18	
5 11	17 44.00	−35 22.6	2.626	3.479	10.3	20.1
5 21	17 36.68	−35 37.9	2.536	3.465	7.8	19.9
5 31	17 27.54	−35 43.7	2.473	3.450	5.3	19.7
6 10	17 17.31	−35 37.9	2.436	3.434	3.7	19.6
6 20	17 6.90	−35 20.1	2.429	3.418	4.7	19.6
6 30	16 57.24	−34 51.7	2.450	3.401	7.1	19.7
7 10	16 49.17	−34 15.8	2.497	3.383	9.8	19.9
7 20	16 43.24	−33 36.2	2.566	3.364	12.3	20.0
85874 1999 CJ_{4}			6 10.7 198°.47		2°.3/10.5 17	
5 11	17 44.36	−17 0.7	1.628	2.515	13.7	19.1
5 21	17 37.37	−17 3.3	1.559	2.512	9.9	18.9
5 31	17 28.05	−17 10.0	1.514	2.510	5.6	18.6
6 10	17 17.36	−17 20.7	1.494	2.507	2.3	18.4
6 20	17 6.48	−17 35.3	1.502	2.503	5.1	18.6
6 30	16 56.66	−17 53.9	1.535	2.498	9.5	18.8
7 10	16 48.94	−18 16.9	1.592	2.493	13.5	19.1
7 20	16 43.96	−18 44.3	1.669	2.488	17.0	19.3
356827 2011 UY_{401}			6 10.7 194°.50		1°.3/11.1 18	
5 11	17 39.88	−28 18.5	2.444	3.320	10.1	21.2
5 21	17 33.64	−28 6.0	2.371	3.319	7.3	21.0
5 31	17 25.85	−27 47.5	2.323	3.317	4.1	20.8
6 10	17 17.21	−27 22.8	2.303	3.316	1.4	20.6
6 20	17 8.54	−26 52.8	2.311	3.314	3.4	20.7
6 30	17 0.68	−26 19.5	2.347	3.312	6.6	21.0
7 10	16 54.31	−25 45.5	2.409	3.310	9.6	21.1
7 20	16 49.90	−25 13.2	2.494	3.307	12.2	21.3
257436 2010 NO_{42}			6 10.7 317°.32		2°.9/10.3 18	
5 11	17 37.63	−16 28.7	1.749	2.643	12.6	19.7
5 21	17 32.72	−16 12.6	1.655	2.611	9.2	19.4
5 31	17 25.67	−15 59.7	1.584	2.580	5.4	19.1
6 10	17 17.21	−15 51.5	1.539	2.549	2.9	18.9
6 20	17 8.32	−15 49.0	1.519	2.518	5.4	19.0
6 30	17 0.13	−15 53.7	1.524	2.488	9.5	19.1
7 10	16 53.64	−16 6.0	1.552	2.459	13.5	19.3
7 20	16 49.59	−16 26.1	1.600	2.430	17.1	19.5

139108 2001 FA_{50} 6 10.7 0°.02 0°.7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.90	−24 8.7	1.098	2.012	16.6	19.2
5 21	17 34.28	−24 16.8	1.042	2.009	11.8	18.9
5 31	17 26.65	−24 21.7	1.006	2.008	6.4	18.6
6 10	17 17.28	−24 22.3	0.992	2.007	0.8	18.2
6 20	17 7.74	−24 18.6	1.000	2.008	5.5	18.6
6 30	16 59.71	−24 12.6	1.031	2.009	11.0	18.9
7 10	16 54.49	−24 7.2	1.081	2.012	15.9	19.2
7 20	16 52.73	−24 4.9	1.149	2.017	20.0	19.4

185073 2006 RG_{59} 6 10.7 208°.37 0°.2/10.8 17

5 11	17 43.71	−24 0.8	1.911	2.793	12.2	22.2
5 21	17 36.72	−23 57.9	1.835	2.788	8.7	21.9
5 31	17 27.64	−23 51.7	1.784	2.782	4.7	21.7
6 10	17 17.35	−23 41.8	1.761	2.776	0.4	21.3
6 20	17 6.90	−23 28.4	1.764	2.769	4.0	21.6
6 30	16 57.41	−23 13.4	1.795	2.761	8.2	21.8
7 10	16 49.82	−22 59.0	1.851	2.753	11.9	22.1
7 20	16 44.71	−22 47.5	1.928	2.744	15.1	22.3

497782 2006 SR_{367} 6 10.7 231°.57 3°.3/ 9.9 18

5 11	17 42.60	−15 31.4	2.057	2.934	11.7	22.0
5 21	17 35.80	−14 51.0	1.972	2.920	8.5	21.8
5 31	17 27.12	−14 12.4	1.913	2.904	5.2	21.6
6 10	17 17.32	−13 37.7	1.881	2.888	3.3	21.4
6 20	17 7.32	−13 9.0	1.878	2.871	5.4	21.5
6 30	16 58.10	−12 48.3	1.902	2.853	8.8	21.7
7 10	16 50.50	−12 36.9	1.950	2.834	12.3	21.8
7 20	16 45.10	−12 35.2	2.019	2.814	15.3	22.0

35820 1999 JM_{50} 6 10.7 146°.30 4°.5/10.1 17

5 11	17 42.60	−13 39.6	1.498	2.388	14.5	18.9
5 21	17 36.10	−13 6.1	1.440	2.392	10.7	18.7
5 31	17 27.34	−12 38.9	1.404	2.395	6.7	18.4
6 10	17 17.34	−12 20.6	1.394	2.399	4.5	18.3
6 20	17 7.31	−12 12.8	1.408	2.402	6.7	18.4
6 30	16 58.46	−12 16.7	1.448	2.404	10.6	18.7
7 10	16 51.78	−12 31.9	1.509	2.407	14.4	18.9
7 20	16 47.82	−12 57.2	1.590	2.409	17.7	19.1

121502 1999 TR_{273} 6 10.8 349°.41 8°.1/13.2 18

5 11	17 42.38	−44 24.6	1.702	2.551	15.1	17.9
5 21	17 36.37	−44 37.5	1.632	2.544	12.4	17.7
5 31	17 27.63	−44 29.1	1.583	2.537	9.8	17.6
6 10	17 17.36	−43 55.6	1.557	2.531	8.2	17.5
6 20	17 7.08	−42 56.9	1.555	2.526	8.6	17.5
6 30	16 58.29	−41 37.1	1.577	2.522	10.8	17.6
7 10	16 52.13	−40 4.2	1.621	2.519	13.6	17.7
7 20	16 49.16	−38 26.2	1.686	2.517	16.3	17.9

520366 2014 HW_{162} 6 10.8 342°.03 3°.9/10.2 15

5 11	17 37.60	−11 41.2	2.142	3.021	11.2	21.7
5 21	17 32.13	−11 26.1	2.075	3.020	8.3	21.5
5 31	17 25.10	−11 17.5	2.033	3.019	5.5	21.3
6 10	17 17.20	−11 16.9	2.017	3.018	3.9	21.2
6 20	17 9.22	−11 25.0	2.028	3.017	5.4	21.3
6 30	17 1.98	−11 41.9	2.065	3.016	8.3	21.4
7 10	16 56.19	−12 7.0	2.127	3.016	11.2	21.6
7 20	16 52.32	−12 39.1	2.210	3.015	13.8	21.8

380613 2004 TE_{126} 6 10.8 209°.16 0°.2/10.8 18

5 11	17 42.08	−23 37.5	2.266	3.144	10.7	21.9
5 21	17 35.35	−23 43.1	2.188	3.138	7.6	21.7
5 31	17 26.86	−23 46.6	2.135	3.132	4.1	21.5
6 10	17 17.33	−23 47.3	2.109	3.124	0.4	21.2
6 20	17 7.65	−23 45.1	2.113	3.117	3.5	21.4
6 30	16 58.74	−23 40.9	2.144	3.108	7.2	21.6
7 10	16 51.40	−23 36.5	2.201	3.099	10.5	21.8
7 20	16 46.16	−23 33.3	2.280	3.090	13.3	22.0

30897 1993 FG_{29} 6 10.8 215°.63 3°.7/11.6 18

5 11	17 41.86	−34 56.3	2.457	3.318	10.6	19.4
5 21	17 35.21	−35 9.8	2.380	3.313	8.0	19.2
5 31	17 26.77	−35 13.8	2.328	3.307	5.4	19.1
6 10	17 17.33	−35 6.4	2.302	3.302	3.7	19.0
6 20	17 7.78	−34 47.5	2.305	3.296	4.7	19.0
6 30	16 59.07	−34 18.6	2.335	3.290	7.2	19.2
7 10	16 52.00	−33 43.1	2.390	3.283	10.0	19.3
7 20	16 47.09	−33 4.6	2.468	3.277	12.4	19.5

198705 2005 CK_{43} 6 10.8 188°.51 1°.6/10.5 18

5 11	17 40.45	−18 19.9	2.351	3.230	10.4	21.1
5 21	17 34.05	−18 11.2	2.279	3.229	7.4	20.9
5 31	17 26.10	−18 3.7	2.233	3.228	4.1	20.7
6 10	17 17.28	−17 57.9	2.214	3.226	1.6	20.5
6 20	17 8.38	−17 54.3	2.224	3.224	3.8	20.6
6 30	17 0.22	−17 53.7	2.261	3.221	7.1	20.8
7 10	16 53.49	−17 56.9	2.325	3.218	10.2	21.0
7 20	16 48.67	−18 4.3	2.410	3.214	12.8	21.2

442072 2010 RX_{154} 6 10.8 97°.76 2°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 40.15	−30 21.9	2.381	3.254	10.5	20.9
5 21	17 33.98	−30 49.9	2.313	3.257	7.6	20.7
5 31	17 26.11	−31 11.9	2.270	3.260	4.7	20.5
6 10	17 17.29	−31 26.2	2.255	3.263	2.6	20.4
6 20	17 8.36	−31 32.0	2.268	3.266	4.1	20.5
6 30	17 0.23	−31 30.1	2.308	3.269	6.9	20.7
7 10	16 53.66	−31 22.7	2.373	3.271	9.8	20.9
7 20	16 49.15	−31 12.2	2.461	3.274	12.3	21.1

250420 2003 WO_6 6 10.8 275°.61 4°.9/ 9.9 18

5 11	17 42.38	−12 44.2	1.602	2.488	14.0	21.1
5 21	17 36.22	−12 12.0	1.513	2.462	10.5	20.8
5 31	17 27.62	−11 45.8	1.447	2.435	6.9	20.5
6 10	17 17.42	−11 28.2	1.405	2.408	4.9	20.4
6 20	17 6.72	−11 21.5	1.389	2.381	7.0	20.4
6 30	16 56.83	−11 27.3	1.398	2.353	11.1	20.6
7 10	16 48.88	−11 45.9	1.430	2.324	15.3	20.8
7 20	16 43.65	−12 16.1	1.480	2.295	19.0	20.9

393987 2005 UD_{404} 6 10.8 347°.36 0°.2/10.8 18

5 11	17 39.28	−22 30.4	2.127	3.013	11.0	20.5
5 21	17 33.47	−22 54.9	2.057	3.011	7.8	20.3
5 31	17 25.88	−23 19.1	2.012	3.010	4.2	20.1
6 10	17 17.28	−23 41.8	1.993	3.008	0.4	19.8
6 20	17 8.53	−24 2.2	2.003	3.007	3.6	20.0
6 30	17 0.56	−24 20.3	2.039	3.006	7.3	20.3
7 10	16 54.17	−24 36.9	2.101	3.006	10.6	20.5
7 20	16 49.89	−24 53.0	2.184	3.005	13.4	20.7

21028 1989 TO 6 10.8 182°.97 10°.1/13.1 18 R

5 11	17 57.93	−53 10.1	2.257	3.030	14.3	18.3
5 21	17 47.39	−54 4.4	2.189	3.032	12.5	18.2
5 31	17 33.56	−54 36.2	2.143	3.032	11.0	18.0
6 10	17 17.83	−54 39.0	2.120	3.032	10.1	18.0
6 20	17 2.01	−54 10.8	2.122	3.030	10.3	18.0
6 30	16 47.95	−53 14.3	2.149	3.028	11.5	18.1
7 10	16 37.03	−51 56.9	2.198	3.024	13.2	18.2
7 20	16 29.90	−50 27.4	2.268	3.020	15.0	18.3

80028 1999 JX_{12} 6 10.8 36°.74 5°.3/ 9.8 18

5 11	17 37.75	− 9 27.9	1.895	2.774	12.4	18.7
5 21	17 32.32	− 8 55.0	1.838	2.779	9.4	18.6
5 31	17 25.22	− 8 31.1	1.805	2.785	6.6	18.4
6 10	17 17.24	− 8 18.4	1.797	2.791	5.3	18.3
6 20	17 9.24	− 8 18.2	1.815	2.797	6.7	18.4
6 30	17 2.12	− 8 30.9	1.858	2.803	9.5	18.6
7 10	16 56.62	− 8 55.2	1.925	2.809	12.4	18.8
7 20	16 53.19	− 9 29.4	2.012	2.816	15.0	19.0

162470 2000 KX_{43} 6 10.8 87°.79 6°.9/12.4 13 C

5 11	19 56.66	+17 34.4	0.398	1.158	58.7	19.7
5 21	19 12.67	+ 9 36.9	0.357	1.241	43.6	19.2
5 31	18 17.63	− 1 3.3	0.344	1.316	24.8	18.7
6 10	17 20.67	−12 2.6	0.374	1.385	8.1	18.4
6 20	16 33.73	−20 23.3	0.447	1.446	13.3	19.1
6 30	16 2.00	−25 44.3	0.551	1.501	22.9	20.0
7 10	15 43.91	−29 8.3	0.675	1.550	29.3	20.7
7 20	15 35.94	−31 28.4	0.810	1.592	33.2	21.2

338565 2003 SN_{81} 6 10.8 294°.93 7°.4/10.9 18

5 11	17 45.39	−39 21.1	1.781	2.640	14.1	20.1
5 21	17 38.71	−40 32.2	1.701	2.624	11.3	19.8
5 31	17 29.10	−41 30.8	1.645	2.609	8.7	19.7
6 10	17 17.53	−42 10.7	1.613	2.593	7.4	19.5
6 20	17 5.41	−42 28.0	1.606	2.578	8.4	19.6
6 30	16 54.34	−42 23.0	1.623	2.562	11.0	19.7
7 10	16 45.71	−42 0.2	1.663	2.547	14.0	19.8
7 20	16 40.39	−41 26.1	1.722	2.532	16.9	20.0

31636 1999 GB_{32} 6 10.8 343°.88 0°.1/10.8 18

5 11	17 38.68	−22 23.5	1.678	2.574	12.9	17.8
5 21	17 33.43	−22 39.8	1.608	2.567	9.1	17.6
5 31	17 26.01	−22 55.7	1.561	2.560	4.9	17.3
6 10	17 17.30	−23 10.4	1.539	2.554	0.4	17.0
6 20	17 8.39	−23 23.1	1.543	2.549	4.2	17.3
6 30	17 0.44	−23 34.4	1.573	2.544	8.6	17.5
7 10	16 54.42	−23 45.4	1.626	2.540	12.6	17.7
7 20	16 50.96	−23 57.4	1.699	2.537	15.9	17.9

387516 1999 TQ_1 6 10.8 311°.22 9°.1/10.4 18

5 11	17 45.37	−40 32.4	1.535	2.399	15.7	19.3
5 21	17 39.40	−41 55.8	1.442	2.365	12.9	19.0
5 31	17 29.83	−43 6.9	1.370	2.331	10.3	18.8
6 10	17 17.61	−43 56.9	1.321	2.298	9.1	18.6
6 20	17 4.29	−44 19.6	1.296	2.265	10.2	18.6
6 30	16 51.92	−44 13.6	1.293	2.232	13.2	18.7
7 10	16 42.37	−43 43.9	1.311	2.200	16.7	18.8
7 20	16 36.84	−42 58.6	1.346	2.168	20.2	18.9

296884 2010 AH_{54} 6 10.8 48°.62 1°.6/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.71	−28 26.7	1.711	2.598	13.1	19.5
5 21	17 35.40	−28 9.9	1.650	2.603	9.4	19.3
5 31	17 26.94	−27 45.0	1.613	2.609	5.3	19.1
6 10	17 17.37	−27 12.0	1.601	2.614	1.7	18.8
6 20	17 7.83	−26 32.4	1.616	2.620	4.3	19.0
6 30	16 59.50	−25 49.5	1.656	2.626	8.4	19.3
7 10	16 53.28	−25 7.4	1.721	2.632	12.2	19.5
7 20	16 49.67	−24 29.4	1.806	2.638	15.4	19.7

323074 2002 TS_{96} 6 10.8 333°.16 1°.0/10.9 18

5 11	17 37.47	−25 30.7	1.079	1.995	16.7	19.7
5 21	17 33.59	−25 27.1	1.007	1.975	12.0	19.3
5 31	17 26.51	−25 17.4	0.954	1.955	6.6	19.0
6 10	17 17.37	−25 0.7	0.922	1.937	1.2	18.5
6 20	17 7.74	−24 37.8	0.913	1.920	5.7	18.8
6 30	16 59.43	−24 11.7	0.925	1.905	11.6	19.0
7 10	16 53.97	−23 47.0	0.956	1.891	17.0	19.3
7 20	16 52.21	−23 27.5	1.003	1.879	21.6	19.5

351884 2006 ST_{151} 6 10.8 226°.51 0°.4/10.8 18

5 11	17 39.76	−24 32.0	2.311	3.192	10.4	21.7
5 21	17 33.69	−24 29.8	2.234	3.186	7.4	21.5
5 31	17 25.97	−24 24.6	2.183	3.180	4.0	21.3
6 10	17 17.32	−24 16.1	2.159	3.174	0.5	21.0
6 20	17 8.55	−24 4.6	2.164	3.168	3.4	21.2
6 30	17 0.54	−23 51.5	2.196	3.162	6.9	21.4
7 10	16 54.03	−23 38.5	2.254	3.156	10.1	21.6
7 20	16 49.51	−23 27.4	2.334	3.149	12.9	21.8

394737 2008 EP_{168} 6 10.8 60°.48 2°.5/10.1 17

5 11	17 38.16	−17 24.2	2.105	2.991	11.1	20.9
5 21	17 32.46	−16 47.6	2.050	3.002	7.9	20.7
5 31	17 25.25	−16 12.6	2.019	3.014	4.6	20.5
6 10	17 17.28	−15 41.1	2.016	3.026	2.5	20.4
6 20	17 9.36	−15 14.7	2.040	3.038	4.5	20.6
6 30	17 2.33	−14 55.1	2.091	3.050	7.7	20.8
7 10	16 56.84	−14 43.1	2.167	3.062	10.7	21.0
7 20	16 53.30	−14 38.9	2.263	3.074	13.3	21.2

511418 2014 HS_{161} 6 10.8 341°.72 1°.6/10.7 18

5 11	17 38.30	−17 18.7	1.831	2.722	12.2	19.9
5 21	17 33.01	−17 40.6	1.758	2.714	8.7	19.7
5 31	17 25.76	−18 7.2	1.710	2.707	4.9	19.4
6 10	17 17.33	−18 37.9	1.687	2.700	1.7	19.2
6 20	17 8.69	−19 11.6	1.691	2.694	4.3	19.4
6 30	17 0.86	−19 47.6	1.721	2.688	8.3	19.6
7 10	16 54.74	−20 25.4	1.774	2.683	12.0	19.8
7 20	16 50.93	−21 4.6	1.849	2.679	15.2	20.0

504622 2008 UK_{342} 6 10.8 4°.62 3°.9/10.9 17

5 11	17 43.66	−30 36.1	1.719	2.600	13.4	21.0
5 21	17 37.10	−31 32.2	1.653	2.600	9.9	20.8
5 31	17 28.06	−32 21.7	1.611	2.600	6.2	20.6
6 10	17 17.51	−33 0.4	1.595	2.600	3.9	20.4
6 20	17 6.71	−33 25.8	1.605	2.601	5.6	20.6
6 30	16 57.00	−33 38.2	1.640	2.601	9.2	20.8
7 10	16 49.50	−33 40.5	1.699	2.602	12.8	21.0
7 20	16 44.88	−33 36.6	1.779	2.603	15.9	21.2

300888 2008 AM_{137} 6 10.8 105°.57 3°.8/10.3 18

5 11	17 38.45	−11 9.1	2.240	3.115	11.0	20.8
5 21	17 32.66	−11 3.3	2.178	3.120	8.1	20.6
5 31	17 25.39	−11 4.6	2.141	3.126	5.3	20.5
6 10	17 17.31	−11 13.7	2.130	3.131	3.8	20.4
6 20	17 9.19	−11 31.1	2.147	3.136	5.2	20.5
6 30	17 1.82	−11 56.3	2.192	3.142	7.9	20.6
7 10	16 55.85	−12 28.5	2.260	3.147	10.7	20.8
7 20	16 51.74	−13 6.6	2.351	3.152	13.2	21.0

51029 2000 GJ_{114} 6 10.8 243°.01 2°.1/11.1 18

5 11	17 41.32	−28 59.1	2.123	3.001	11.4	18.7
5 21	17 35.01	−29 10.4	2.047	2.995	8.2	18.5
5 31	17 26.77	−29 15.6	1.995	2.988	4.8	18.3
6 10	17 17.42	−29 13.3	1.969	2.981	2.1	18.1
6 20	17 7.91	−29 3.2	1.972	2.974	4.1	18.2
6 30	16 59.27	−28 46.8	2.001	2.966	7.5	18.4
7 10	16 52.35	−28 26.8	2.056	2.959	10.9	18.6
7 20	16 47.72	−28 6.1	2.132	2.951	13.8	18.8

338626 2003 SA_{262} 6 10.8 166°.10 3°.8/ 9.6 18

5 11	17 39.66	−12 52.1	2.377	3.250	10.5	21.4
5 21	17 33.41	−12 6.7	2.312	3.254	7.7	21.2
5 31	17 25.75	−11 25.3	2.273	3.258	5.1	21.1
6 10	17 17.34	−10 50.0	2.262	3.261	3.8	21.0
6 20	17 8.94	−10 22.8	2.279	3.264	5.2	21.1
6 30	17 1.29	−10 5.0	2.324	3.267	7.9	21.3
7 10	16 55.02	− 9 57.1	2.393	3.269	10.6	21.4
7 20	16 50.56	− 9 58.7	2.485	3.270	13.0	21.6

138814 2000 TD_{58} 6 10.8 208°.68 0°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.32	−23 29.1	2.770	3.646	9.1	21.0
5 21	17 33.20	−23 38.0	2.691	3.640	6.4	20.8
5 31	17 25.68	−23 45.3	2.637	3.634	3.4	20.6
6 10	17 17.36	−23 50.5	2.613	3.628	0.3	20.4
6 20	17 8.91	−23 53.5	2.617	3.621	2.9	20.6
6 30	17 1.07	−23 54.8	2.650	3.614	6.0	20.8
7 10	16 54.46	−23 55.5	2.710	3.606	8.8	20.9
7 20	16 49.53	−23 56.8	2.793	3.598	11.2	21.1

428236 2006 XO_{13} 6 10.8 186°.84 0°.3/10.8 17

5 11	17 43.64	−24 19.7	1.958	2.839	12.0	22.7
5 21	17 36.64	−24 17.0	1.887	2.839	8.5	22.5
5 31	17 27.64	−24 10.8	1.841	2.838	4.6	22.3
6 10	17 17.51	−24 0.7	1.822	2.837	0.5	22.0
6 20	17 7.28	−23 47.0	1.831	2.835	3.9	22.2
6 30	16 58.03	−23 31.5	1.867	2.833	7.9	22.5
7 10	16 50.65	−23 16.5	1.928	2.830	11.5	22.7
7 20	16 45.67	−23 4.2	2.010	2.826	14.6	22.9

504694 2009 HE_{92} 6 10.8 80°.31 0°.1/10.8 17

5 11	17 40.94	−23 9.8	2.145	3.027	11.1	21.6
5 21	17 34.43	−23 15.4	2.097	3.049	7.8	21.4
5 31	17 26.31	−23 19.0	2.073	3.071	4.1	21.2
6 10	17 17.41	−23 20.3	2.078	3.093	0.3	20.9
6 20	17 8.59	−23 19.4	2.110	3.114	3.5	21.2
6 30	17 0.74	−23 17.4	2.169	3.135	7.0	21.5
7 10	16 54.55	−23 15.6	2.254	3.156	10.1	21.7
7 20	16 50.43	−23 15.3	2.361	3.177	12.7	21.9

320574 2008 AP_{105} 6 10.8 182°.01 1°.1/10.9 17

5 11	17 45.31	−26 6.8	1.985	2.862	12.1	22.0
5 21	17 37.82	−26 12.5	1.914	2.863	8.6	21.8
5 31	17 28.28	−26 13.5	1.868	2.864	4.7	21.5
6 10	17 17.57	−26 8.6	1.849	2.864	1.2	21.3
6 20	17 6.76	−25 57.9	1.859	2.863	4.0	21.5
6 30	16 56.95	−25 43.0	1.896	2.861	7.9	21.7
7 10	16 49.07	−25 26.5	1.959	2.858	11.5	21.9
7 20	16 43.66	−25 11.3	2.042	2.855	14.5	22.1

335601 2006 EX_{17} 6 10.8 230°.95 6°.0/ 9.4 18

5 11	17 39.56	− 6 57.1	2.125	2.991	11.9	21.5
5 21	17 33.59	− 6 13.3	2.051	2.981	9.3	21.3
5 31	17 25.98	− 5 38.4	2.001	2.971	7.0	21.2
6 10	17 17.41	− 5 15.4	1.978	2.961	6.0	21.1
6 20	17 8.71	− 5 6.1	1.981	2.950	7.2	21.2
6 30	17 0.72	− 5 11.5	2.010	2.939	9.7	21.3
7 10	16 54.19	− 5 30.8	2.062	2.927	12.5	21.4
7 20	16 49.63	− 6 2.1	2.135	2.915	15.0	21.6

509881 2009 BK_{62} 6 10.8 221°.80 1°.7/10.5 17

5 11	17 40.64	−17 17.8	2.418	3.294	10.2	22.1
5 21	17 34.28	−17 19.5	2.336	3.285	7.3	21.9
5 31	17 26.33	−17 23.5	2.280	3.275	4.1	21.6
6 10	17 17.44	−17 30.0	2.252	3.264	1.7	21.4
6 20	17 8.37	−17 39.1	2.253	3.253	3.8	21.6
6 30	16 59.95	−17 51.2	2.281	3.241	7.1	21.8
7 10	16 52.89	−18 6.4	2.336	3.228	10.2	21.9
7 20	16 47.69	−18 25.1	2.413	3.215	12.9	22.1

99765 2002 JZ_{102} 6 10.8 26°.31 2°.7/10.6 17

5 11	17 40.15	−17 24.8	1.041	1.955	17.3	18.8
5 21	17 35.02	−17 24.8	0.998	1.965	12.4	18.5
5 31	17 27.02	−17 30.5	0.975	1.975	6.9	18.2
6 10	17 17.49	−17 42.4	0.974	1.987	2.7	18.0
6 20	17 8.02	−18 0.2	0.996	2.000	6.2	18.3
6 30	17 0.17	−18 23.8	1.039	2.014	11.4	18.6
7 10	16 55.13	−18 52.8	1.102	2.029	16.0	18.9
7 20	16 53.41	−19 26.2	1.183	2.045	19.9	19.2

386289 2008 RD_{116} 6 10.8 145°.25 2°.8/10.1 17

5 11	17 40.46	−15 19.9	2.279	3.156	10.7	22.0
5 21	17 34.03	−14 52.8	2.219	3.165	7.7	21.8
5 31	17 26.11	−14 28.7	2.183	3.174	4.7	21.6
6 10	17 17.43	−14 9.0	2.176	3.183	2.8	21.5
6 20	17 8.76	−13 54.9	2.197	3.191	4.6	21.6
6 30	17 0.91	−13 47.4	2.245	3.198	7.6	21.8
7 10	16 54.53	−13 47.0	2.319	3.205	10.5	22.0
7 20	16 50.06	−13 53.7	2.414	3.212	13.0	22.2

472791 2015 FW_{151} 6 10.8 1°.03 1°.1/10.6 16

5 11	17 37.35	−21 0.1	1.305	2.214	14.9	20.8
5 21	17 32.82	−20 52.8	1.247	2.212	10.6	20.6
5 31	17 25.82	−20 45.5	1.210	2.211	5.7	20.3
6 10	17 17.42	−20 38.9	1.196	2.211	1.2	20.0
6 20	17 8.89	−20 33.6	1.206	2.212	5.1	20.3
6 30	17 1.61	−20 31.3	1.239	2.214	10.0	20.5
7 10	16 56.64	−20 33.4	1.294	2.218	14.4	20.8
7 20	16 54.59	−20 40.7	1.367	2.223	18.1	21.1

523066 2016 QE_{92} 6 10.8 215°.51 3°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.67	−34 33.9	2.519	3.380	10.4	21.9
5 21	17 35.13	−35 0.1	2.443	3.375	7.9	21.7
5 31	17 26.82	−35 17.8	2.391	3.370	5.3	21.6
6 10	17 17.49	−35 24.8	2.367	3.365	3.7	21.5
6 20	17 8.01	−35 20.5	2.370	3.360	4.7	21.5
6 30	16 59.31	−35 5.9	2.401	3.354	7.2	21.7
7 10	16 52.19	−34 43.7	2.458	3.348	9.8	21.8
7 20	16 47.16	−34 17.4	2.537	3.342	12.2	22.0

389858 2012 RC_{29} 6 10.8 255°.79 1°.3/10.6 17

5 11	17 41.30	−19 24.2	2.105	2.987	11.3	21.6
5 21	17 35.03	−19 21.2	2.017	2.969	8.1	21.4
5 31	17 26.85	−19 19.0	1.954	2.951	4.4	21.1
6 10	17 17.51	−19 17.7	1.918	2.931	1.3	20.8
6 20	17 7.88	−19 17.7	1.909	2.912	4.1	21.0
6 30	16 58.95	−19 19.9	1.929	2.892	7.9	21.2
7 10	16 51.59	−19 25.1	1.973	2.871	11.5	21.4
7 20	16 46.40	−19 34.2	2.038	2.850	14.6	21.5

155285 2005 WH_{191} 6 10.8 134°.34 3°.1/10.3 18

5 11	17 41.19	−15 37.1	1.826	2.712	12.5	20.2
5 21	17 34.87	−15 16.5	1.766	2.717	9.1	20.0
5 31	17 26.68	−14 59.7	1.729	2.723	5.4	19.8
6 10	17 17.49	−14 48.2	1.719	2.728	3.1	19.7
6 20	17 8.26	−14 43.0	1.736	2.733	5.2	19.8
6 30	17 0.02	−14 45.0	1.778	2.737	8.8	20.0
7 10	16 53.58	−14 54.5	1.845	2.742	12.2	20.3
7 20	16 49.45	−15 11.1	1.932	2.746	15.2	20.5

154967 2004 TK_{252} 6 10.8 220°.07 7°.9/12.1 18

5 11	17 47.42	−50 24.7	2.856	3.642	11.3	20.4
5 21	17 39.51	−51 19.0	2.780	3.635	9.8	20.3
5 31	17 29.30	−51 57.6	2.728	3.628	8.5	20.2
6 10	17 17.69	−52 16.3	2.700	3.620	7.9	20.1
6 20	17 5.81	−52 13.5	2.698	3.612	8.2	20.1
6 30	16 54.88	−51 50.0	2.721	3.604	9.2	20.2
7 10	16 45.93	−51 9.9	2.768	3.595	10.7	20.3
7 20	16 39.62	−50 18.2	2.835	3.587	12.3	20.4

435669 2008 SR_{306} 6 10.8 46°.55 3°.3/ 9.9 17

5 11	17 40.06	−17 32.4	1.645	2.538	13.2	20.5
5 21	17 34.15	−16 35.1	1.590	2.546	9.5	20.3
5 31	17 26.30	−15 39.0	1.559	2.554	5.6	20.1
6 10	17 17.46	−14 47.4	1.554	2.563	3.3	19.9
6 20	17 8.70	−14 3.4	1.575	2.572	5.6	20.1
6 30	17 1.07	−13 29.8	1.621	2.581	9.4	20.3
7 10	16 55.39	−13 8.0	1.691	2.590	13.0	20.6
7 20	16 52.13	−12 58.0	1.780	2.600	16.1	20.8

310057 2010 JE_{59} 6 10.8 275°.08 0°.1/10.8 18

5 11	17 40.86	−21 7.0	2.234	3.115	10.7	20.2
5 21	17 34.68	−21 41.2	2.149	3.100	7.6	20.0
5 31	17 26.67	−22 17.1	2.088	3.086	4.1	19.7
6 10	17 17.50	−22 52.9	2.056	3.071	0.3	19.4
6 20	17 8.03	−23 27.5	2.052	3.056	3.6	19.6
6 30	16 59.20	−24 0.0	2.076	3.041	7.3	19.8
7 10	16 51.84	−24 30.7	2.126	3.026	10.7	20.0
7 20	16 46.57	−25 0.2	2.198	3.011	13.6	20.2

21308 1996 XG_{5} 6 10.8 173°.42 0°.7/10.9 18

5 11	17 44.69	−24 23.7	1.715	2.601	13.2	19.1
5 21	17 37.63	−24 34.4	1.649	2.603	9.4	18.9
5 31	17 28.27	−24 42.1	1.607	2.605	5.1	18.6
6 10	17 17.62	−24 45.3	1.591	2.606	0.8	18.3
6 20	17 6.85	−24 43.9	1.602	2.607	4.3	18.6
6 30	16 57.20	−24 39.1	1.640	2.607	8.7	18.8
7 10	16 49.67	−24 33.4	1.701	2.607	12.6	19.1
7 20	16 44.86	−24 29.1	1.783	2.607	15.9	19.3

26676 2001 EZ_{10} 6 10.8 257°.19 5°.7/ 9.8 18

5 11	17 39.37	− 7 45.3	2.028	2.897	12.2	18.9
5 21	17 33.58	− 7 17.2	1.951	2.885	9.4	18.7
5 31	17 26.03	− 6 58.6	1.897	2.872	6.9	18.5
6 10	17 17.46	− 6 51.8	1.870	2.859	5.7	18.4
6 20	17 8.68	− 6 58.2	1.869	2.846	7.0	18.4
6 30	17 0.63	− 7 18.2	1.894	2.832	9.7	18.6
7 10	16 54.08	− 7 50.7	1.943	2.819	12.7	18.7
7 20	16 49.59	− 8 33.7	2.012	2.805	15.4	18.9

138999 2001 DU_{27} 6 10.8 36°.44 5°.4/11.5 17

5 11	17 44.25	−33 10.3	1.180	2.076	17.1	19.8
5 21	17 38.06	−33 49.0	1.135	2.088	12.8	19.5
5 31	17 28.71	−34 13.7	1.111	2.100	8.3	19.3
6 10	17 17.65	−34 20.3	1.108	2.113	5.4	19.2
6 20	17 6.66	−34 7.8	1.129	2.127	7.1	19.3
6 30	16 57.51	−33 39.9	1.172	2.141	11.2	19.6
7 10	16 51.44	−33 3.3	1.236	2.156	15.3	19.9
7 20	16 49.01	−32 24.2	1.319	2.171	18.8	20.1

387044 2012 TV_{8} 6 10.8 207°.34 1°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 42.01	−28 36.0	2.150	3.027	11.3	21.3
5 21	17 35.47	−28 47.3	2.076	3.023	8.1	21.1
5 31	17 27.05	−28 52.6	2.027	3.020	4.7	20.8
6 10	17 17.54	−28 50.8	2.005	3.016	2.0	20.6
6 20	17 7.90	−28 41.6	2.010	3.012	4.0	20.8
6 30	16 59.13	−28 26.5	2.044	3.008	7.4	21.0
7 10	16 52.10	−28 8.0	2.102	3.004	10.7	21.2
7 20	16 47.32	−27 48.9	2.182	2.999	13.6	21.4

430511 2001 WA_{16} 6 10.8 118°.09 7°.3/11.2 15

5 11	17 54.66	−43 33.3	2.348	3.166	12.5	21.7
5 21	17 44.67	−45 1.6	2.300	3.190	10.2	21.6
5 31	17 32.07	−46 14.0	2.278	3.213	8.3	21.5
6 10	17 17.92	−47 4.8	2.282	3.236	7.4	21.5
6 20	17 3.57	−47 31.3	2.314	3.257	7.9	21.5
6 30	16 50.45	−47 35.1	2.373	3.278	9.5	21.7
7 10	16 39.72	−47 20.8	2.457	3.298	11.5	21.8
7 20	16 32.02	−46 54.9	2.561	3.317	13.4	22.0

3895 Earhart 6 10.8 76°.22 16°.1/12.0 18 R

5 11	17 42.94	+15 25.8	1.478	2.265	19.9	15.6
5 21	17 36.14	+16 24.6	1.452	2.285	18.1	15.5
5 31	17 27.32	+16 47.9	1.443	2.306	16.8	15.5
6 10	17 17.55	+16 31.3	1.452	2.326	16.1	15.5
6 20	17 8.01	+15 34.7	1.480	2.347	16.4	15.6
6 30	16 59.82	+14 2.7	1.529	2.367	17.4	15.7
7 10	16 53.80	+12 3.3	1.595	2.387	18.8	15.9
7 20	16 50.37	+ 9 46.0	1.678	2.407	20.3	16.0

296297 2009 DT_{106} 6 10.8 350°.37 10°.0/13.4 16

5 11	17 45.67	−47 51.0	1.666	2.499	16.1	20.3
5 21	17 39.04	−48 27.1	1.601	2.495	13.6	20.1
5 31	17 29.26	−48 39.7	1.555	2.491	11.4	19.9
6 10	17 17.71	−48 23.3	1.532	2.487	10.1	19.9
6 20	17 6.09	−47 36.7	1.531	2.484	10.4	19.9
6 30	16 56.17	−46 23.5	1.554	2.482	12.1	20.0
7 10	16 49.24	−44 52.3	1.598	2.481	14.5	20.1
7 20	16 45.91	−43 12.1	1.662	2.480	17.1	20.3

101625 1999 CP_{20} 6 10.8 18°.79 2°.5/11.0 18 R

5 11	17 42.49	−27 36.3	1.414	2.310	14.8	18.2
5 21	17 36.48	−28 5.7	1.356	2.313	10.7	18.0
5 31	17 27.81	−28 29.2	1.319	2.316	6.1	17.7
6 10	17 17.61	−28 44.1	1.307	2.319	2.5	17.5
6 20	17 7.27	−28 49.2	1.319	2.323	5.2	17.7
6 30	16 58.27	−28 46.0	1.356	2.327	9.7	17.9
7 10	16 51.75	−28 37.8	1.415	2.332	13.9	18.2
7 20	16 48.35	−28 28.1	1.493	2.337	17.4	18.4

122883 2000 SL_{145} 6 10.8 245°.37 0°.9/10.9 18

5 11	17 42.83	−25 46.7	2.105	2.984	11.4	21.0
5 21	17 36.16	−25 49.1	2.018	2.968	8.2	20.8
5 31	17 27.49	−25 47.4	1.955	2.951	4.5	20.5
6 10	17 17.59	−25 40.6	1.920	2.934	1.0	20.2
6 20	17 7.43	−25 28.7	1.912	2.916	3.8	20.4
6 30	16 58.05	−25 13.2	1.933	2.898	7.7	20.6
7 10	16 50.37	−24 56.3	1.978	2.879	11.3	20.8
7 20	16 45.01	−24 40.7	2.045	2.860	14.4	20.9

504232 2006 UR_{200} 6 10.8 278°.31 1°.9/11.0 18

5 11	17 44.68	−27 32.5	1.640	2.526	13.7	21.8
5 21	17 38.13	−27 43.9	1.546	2.499	10.0	21.5
5 31	17 28.84	−27 49.3	1.475	2.471	5.7	21.2
6 10	17 17.71	−27 46.5	1.430	2.443	2.0	20.9
6 20	17 6.00	−27 34.6	1.411	2.415	4.9	21.0
6 30	16 55.18	−27 15.0	1.418	2.386	9.7	21.2
7 10	16 46.55	−26 51.6	1.447	2.356	14.2	21.4
7 20	16 40.97	−26 28.5	1.497	2.327	18.1	21.5

165415 2000 YK_{35} 6 10.8 215°.81 0°.8/10.7 17

5 11	17 44.58	−21 21.8	1.940	2.821	12.1	20.7
5 21	17 37.41	−21 15.8	1.860	2.812	8.6	20.5
5 31	17 28.15	−21 8.7	1.805	2.802	4.7	20.2
6 10	17 17.65	−21 0.2	1.777	2.792	0.8	19.9
6 20	17 6.92	−20 51.0	1.777	2.781	4.2	20.1
6 30	16 57.09	−20 42.3	1.805	2.769	8.3	20.4
7 10	16 49.08	−20 36.1	1.857	2.756	12.1	20.6
7 20	16 43.52	−20 33.7	1.931	2.742	15.3	20.8

347958 2003 QL_{89} 6 10.8 287°.39 0°.1/10.8 18

5 11	17 41.08	−24 15.8	1.782	2.672	12.6	20.9
5 21	17 35.18	−24 4.0	1.697	2.652	9.0	20.7
5 31	17 27.06	−23 48.1	1.635	2.633	4.9	20.4
6 10	17 17.57	−23 28.1	1.599	2.614	0.4	20.0
6 20	17 7.77	−23 4.7	1.589	2.594	4.2	20.3
6 30	16 58.86	−22 40.2	1.606	2.575	8.7	20.5
7 10	16 51.86	−22 17.4	1.647	2.556	12.7	20.7
7 20	16 47.42	−21 58.7	1.707	2.536	16.2	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
276032 2002 AT_{107}			6 10.8 177°.21		2°.3/11.3 17	
	h m	° ′			°	m
5 11	17 44.09	−30 31.5	2.188	3.058	11.4	21.1
5 21	17 36.86	−30 32.6	2.117	3.060	8.3	20.9
5 31	17 27.75	−30 25.7	2.071	3.062	4.9	20.7
6 10	17 17.61	−30 9.6	2.053	3.063	2.4	20.6
6 20	17 7.43	−29 44.9	2.063	3.063	4.1	20.7
6 30	16 58.23	−29 13.5	2.100	3.063	7.4	20.9
7 10	16 50.82	−28 38.9	2.163	3.062	10.6	21.1
7 20	16 45.73	−28 4.5	2.249	3.061	13.4	21.3
305440 2008 CU_{187}			6 10.8 46°.69		2°.3/11.1 17	
5 11	17 40.75	−28 41.9	2.083	2.963	11.5	20.4
5 21	17 34.62	−29 9.1	2.018	2.967	8.3	20.2
5 31	17 26.61	−29 30.9	1.978	2.970	4.9	20.0
6 10	17 17.54	−29 45.5	1.964	2.974	2.3	19.8
6 20	17 8.36	−29 52.1	1.978	2.979	4.1	19.9
6 30	17 0.09	−29 51.6	2.018	2.983	7.5	20.1
7 10	16 53.56	−29 46.2	2.083	2.987	10.7	20.3
7 20	16 49.30	−29 38.4	2.170	2.992	13.5	20.5
362348 2010 MO_{63}			6 10.8 240°.53		6°.5/ 8.8 18	
5 11	17 36.64	− 3 24.5	2.468	3.321	10.8	21.0
5 21	17 31.35	− 2 33.6	2.399	3.315	8.8	20.9
5 31	17 24.74	− 1 52.7	2.356	3.309	7.1	20.8
6 10	17 17.40	− 1 24.7	2.338	3.303	6.5	20.7
6 20	17 9.97	− 1 11.5	2.346	3.297	7.4	20.8
6 30	17 3.16	− 1 13.7	2.381	3.290	9.3	20.9
7 10	16 57.57	− 1 30.4	2.438	3.284	11.4	21.0
7 20	16 53.60	− 1 59.7	2.516	3.277	13.5	21.2
32423 2000 RO_{43}			6 10.8 272°.02		1°.7/11.2 18	R
5 11	17 40.22	−28 51.7	2.226	3.104	10.9	18.1
5 21	17 34.20	−28 43.9	2.145	3.093	7.9	17.9
5 31	17 26.38	−28 29.4	2.088	3.082	4.5	17.6
6 10	17 17.54	−28 7.6	2.058	3.071	1.7	17.4
6 20	17 8.56	−27 39.1	2.056	3.059	3.7	17.5
6 30	17 0.40	−27 6.1	2.082	3.048	7.2	17.7
7 10	16 53.85	−26 31.4	2.132	3.036	10.5	17.9
7 20	16 49.45	−25 58.0	2.205	3.025	13.4	18.1
506338 2017 OV_{36}			6 10.8 282°.13		5°.6/ 9.9 17	
5 11	17 41.75	−12 31.9	1.357	2.251	15.4	21.0
5 21	17 36.01	−11 49.3	1.283	2.236	11.6	20.7
5 31	17 27.64	−11 13.5	1.231	2.220	7.7	20.4
6 10	17 17.64	−10 48.5	1.202	2.205	5.6	20.3
6 20	17 7.29	−10 37.2	1.197	2.189	7.9	20.3
6 30	16 57.99	−10 41.2	1.216	2.173	12.1	20.5
7 10	16 50.95	−11 0.6	1.256	2.158	16.4	20.7
7 20	16 46.92	−11 33.4	1.313	2.142	20.2	21.0
276538 2003 SO_{77}			6 10.8 306°.10		6°.1/ 8.9 18	
5 11	17 39.34	−11 33.7	1.609	2.497	13.8	19.6
5 21	17 34.14	−10 24.8	1.515	2.463	10.6	19.3
5 31	17 26.62	− 9 19.5	1.444	2.428	7.5	19.1
6 10	17 17.57	− 8 22.5	1.397	2.393	6.2	18.9
6 20	17 8.03	− 7 38.5	1.376	2.359	8.2	18.9
6 30	16 59.21	− 7 11.2	1.378	2.324	12.0	19.1
7 10	16 52.21	− 7 2.3	1.403	2.290	15.9	19.2
7 20	16 47.81	− 7 11.0	1.445	2.256	19.5	19.3
161475 2004 FY_{92}			6 10.8 290°.34		1°.5/10.6 17	
5 11	17 41.72	−20 23.7	1.540	2.435	13.9	19.5
5 21	17 35.94	−20 7.4	1.453	2.411	10.0	19.2
5 31	17 27.62	−19 50.4	1.389	2.388	5.5	18.9
6 10	17 17.65	−19 33.4	1.350	2.364	1.5	18.5
6 20	17 7.23	−19 17.5	1.337	2.341	5.1	18.7
6 30	16 57.72	−19 5.0	1.348	2.317	10.0	18.9
7 10	16 50.32	−18 57.8	1.382	2.293	14.6	19.1
7 20	16 45.81	−18 57.6	1.435	2.270	18.5	19.3
297665 2001 UJ_{56}			6 10.8 198°.84		4°.1/11.7 18	
5 11	17 42.61	−35 47.9	2.405	3.263	10.9	20.9
5 21	17 35.86	−36 7.8	2.331	3.261	8.3	20.7
5 31	17 27.26	−36 17.7	2.282	3.259	5.7	20.5
6 10	17 17.61	−36 15.3	2.260	3.256	4.1	20.4
6 20	17 7.85	−36 0.4	2.265	3.253	5.0	20.5
6 30	16 58.98	−35 34.4	2.298	3.250	7.5	20.6
7 10	16 51.81	−35 0.8	2.356	3.247	10.1	20.8
7 20	16 46.87	−34 23.3	2.436	3.243	12.6	20.9
186971 2004 RW_{176}			6 10.8 295°.92		4°.4/ 9.5 18	
5 11	17 37.43	−11 56.3	2.175	3.054	11.1	19.7
5 21	17 32.21	−11 13.0	2.087	3.031	8.3	19.5
5 31	17 25.34	−10 34.2	2.024	3.008	5.7	19.3
6 10	17 17.47	−10 2.4	1.987	2.985	4.4	19.2
6 20	17 9.38	− 9 39.8	1.977	2.962	5.9	19.2
6 30	17 1.92	− 9 28.1	1.993	2.939	8.9	19.3
7 10	16 55.82	− 9 27.7	2.034	2.916	11.9	19.5
7 20	16 51.64	− 9 38.3	2.095	2.893	14.7	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
467617 2008 CU_{162}			6 10.8 52°.05		0°.8/10.9 17	
	h m	° ′			°	m
5 11	17 43.34	−25 20.4	1.303	2.203	15.6	21.3
5 21	17 36.94	−25 17.3	1.258	2.218	11.0	21.1
5 31	17 27.96	−25 8.9	1.234	2.233	5.9	20.9
6 10	17 17.66	−24 54.8	1.234	2.248	1.0	20.6
6 20	17 7.51	−24 36.0	1.258	2.264	4.9	20.9
6 30	16 58.92	−24 15.3	1.307	2.280	9.8	21.2
7 10	16 52.93	−23 56.1	1.378	2.297	14.0	21.5
7 20	16 50.03	−23 41.1	1.468	2.313	17.6	21.8
3260 Vizbor			6 10.8 100°.81		0°.8/10.7 18	R
5 11	17 45.12	−23 5.6	1.365	2.261	15.3	16.0
5 21	17 38.12	−22 34.7	1.312	2.271	10.8	15.7
5 31	17 28.59	−21 59.9	1.282	2.281	5.8	15.5
6 10	17 17.74	−21 22.4	1.276	2.291	0.8	15.2
6 20	17 7.01	−20 44.7	1.296	2.301	5.0	15.5
6 30	16 57.79	−20 10.2	1.341	2.311	9.9	15.8
7 10	16 51.10	−19 42.5	1.408	2.320	14.3	16.1
7 20	16 47.46	−19 23.3	1.494	2.329	17.9	16.3
168862 2000 VS_{22}			6 10.8 173°.75		0°.3/10.8 17	
5 11	17 45.06	−22 53.5	1.879	2.760	12.4	21.1
5 21	17 37.70	−22 43.3	1.812	2.764	8.8	20.9
5 31	17 28.29	−22 30.4	1.769	2.767	4.7	20.7
6 10	17 17.74	−22 14.7	1.754	2.769	0.5	20.3
6 20	17 7.14	−21 57.2	1.766	2.770	4.1	20.6
6 30	16 57.60	−21 39.6	1.806	2.771	8.2	20.9
7 10	16 50.01	−21 24.2	1.870	2.770	11.9	21.1
7 20	16 44.90	−21 13.1	1.956	2.769	15.0	21.3
477656 2010 ND_{62}			6 10.8 289°.60		4°.3/11.5 18	
5 11	17 41.35	−35 22.3	2.252	3.116	11.3	21.4
5 21	17 35.17	−35 51.1	2.174	3.107	8.7	21.2
5 31	17 27.00	−36 10.3	2.120	3.098	6.0	21.1
6 10	17 17.65	−36 17.3	2.092	3.089	4.3	20.9
6 20	17 8.10	−36 11.2	2.091	3.080	5.3	21.0
6 30	16 59.39	−35 53.1	2.117	3.071	7.9	21.1
7 10	16 52.44	−35 26.4	2.168	3.062	10.8	21.3
7 20	16 47.81	−34 54.7	2.240	3.053	13.4	21.5
105779 2000 SA_{115}			6 10.8 265°.19		0°.7/10.7 18	
5 11	17 39.33	−21 19.6	2.404	3.285	10.1	20.2
5 21	17 33.49	−21 10.9	2.314	3.266	7.2	20.0
5 31	17 26.02	−21 1.3	2.250	3.247	3.9	19.8
6 10	17 17.58	−20 50.9	2.213	3.228	0.7	19.5
6 20	17 8.92	−20 40.4	2.205	3.208	3.5	19.7
6 30	17 0.88	−20 30.7	2.224	3.188	7.0	19.9
7 10	16 54.21	−20 23.2	2.269	3.168	10.2	20.0
7 20	16 49.42	−20 19.2	2.337	3.147	13.0	20.2
13913 1979 SO			6 10.8 287°.58		4°.6/11.3 18	
5 11	17 43.48	−34 13.3	1.928	2.798	12.7	17.9
5 21	17 37.10	−34 48.0	1.837	2.775	9.7	17.7
5 31	17 28.24	−35 13.3	1.769	2.751	6.6	17.4
6 10	17 17.76	−35 25.7	1.727	2.727	4.6	17.3
6 20	17 6.82	−35 23.2	1.711	2.703	5.9	17.3
6 30	16 56.73	−35 6.6	1.722	2.679	9.1	17.4
7 10	16 48.66	−34 39.6	1.756	2.655	12.6	17.6
7 20	16 43.37	−34 7.1	1.811	2.631	15.8	17.8
7845 Mckim			6 10.8 87°.80		4°.5/10.5 18	
5 11	17 39.12	− 7 48.8	2.389	3.252	10.8	18.4
5 21	17 33.03	− 7 46.6	2.339	3.271	8.2	18.3
5 31	17 25.62	− 7 53.3	2.315	3.290	5.8	18.2
6 10	17 17.55	− 8 9.8	2.318	3.309	4.5	18.1
6 20	17 9.53	− 8 35.8	2.349	3.328	5.5	18.2
6 30	17 2.26	− 9 10.7	2.407	3.347	7.8	18.4
7 10	16 56.35	− 9 52.8	2.490	3.366	10.2	18.6
7 20	16 52.16	−10 40.5	2.595	3.384	12.4	18.8
432694 2011 BB_{92}			6 10.8 219°.13		8°.8/ 9.8 17	
5 11	17 40.88	− 0 21.5	1.806	2.656	14.3	21.5
5 21	17 34.76	+ 0 14.6	1.741	2.652	11.8	21.3
5 31	17 26.74	+ 0 33.8	1.699	2.648	9.7	21.2
6 10	17 17.64	+ 0 32.4	1.681	2.643	8.8	21.1
6 20	17 8.41	+ 0 9.0	1.688	2.638	9.8	21.2
6 30	17 0.05	− 0 35.5	1.719	2.633	12.0	21.3
7 10	16 53.40	− 1 38.0	1.772	2.628	14.6	21.5
7 20	16 49.01	− 2 54.0	1.844	2.622	17.1	21.6
52369 1993 FH_{46}			6 10.8 339°.05		4°.0/10.1 18	
5 11	17 41.25	−15 5.6	1.502	2.396	14.3	19.3
5 21	17 35.31	−14 29.4	1.440	2.395	10.4	19.1
5 31	17 27.12	−13 57.8	1.401	2.394	6.4	18.8
6 10	17 17.67	−13 33.3	1.386	2.393	4.0	18.7
6 20	17 8.14	−13 18.0	1.397	2.393	6.3	18.8
6 30	16 59.73	−13 13.5	1.432	2.392	10.3	19.0
7 10	16 53.42	−13 20.2	1.490	2.392	14.2	19.3
7 20	16 49.80	−13 37.2	1.566	2.392	17.6	19.5

470343 2007 RA_{147} 6 10.8 284.°58 5.°8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.39	− 8 33.6	1.937	2.811	12.5	21.4
5 21	17 33.80	− 7 55.6	1.849	2.786	9.7	21.2
5 31	17 26.31	− 7 25.9	1.785	2.761	7.0	21.0
6 10	17 17.62	− 7 7.4	1.746	2.736	5.8	20.9
6 20	17 8.61	− 7 2.5	1.733	2.711	7.3	20.9
6 30	17 0.26	− 7 12.2	1.746	2.686	10.3	21.0
7 10	16 53.45	− 7 36.0	1.782	2.660	13.5	21.2
7 20	16 48.80	− 8 12.3	1.837	2.634	16.5	21.3

387722 2003 EL_2 6 10.8 68.°22 5.°8/10.1 17

5 11	17 38.93	− 6 36.7	2.036	2.904	12.2	20.7
5 21	17 33.03	− 6 10.6	1.993	2.924	9.4	20.6
5 31	17 25.65	− 5 55.3	1.974	2.945	6.9	20.4
6 10	17 17.56	− 5 52.9	1.981	2.966	5.8	20.4
6 20	17 9.56	− 6 3.9	2.014	2.987	6.9	20.5
6 30	17 2.46	− 6 27.8	2.072	3.007	9.2	20.7
7 10	16 56.90	− 7 2.8	2.155	3.028	11.7	20.9
7 20	16 53.27	− 7 46.5	2.258	3.049	14.0	21.1

471324 2011 KE_{16} 6 10.8 313.°34 6.°8/10.5 16

5 11	17 39.60	− 5 58.1	1.618	2.494	14.4	21.1
5 21	17 34.18	− 5 51.4	1.542	2.478	11.3	20.9
5 31	17 26.59	− 5 59.8	1.488	2.463	8.3	20.7
6 10	17 17.65	− 6 25.7	1.458	2.448	6.8	20.6
6 20	17 8.39	− 7 9.4	1.453	2.433	8.1	20.6
6 30	16 59.95	− 8 9.7	1.472	2.419	11.2	20.8
7 10	16 53.35	− 9 23.3	1.514	2.406	14.7	20.9
7 20	16 49.25	−10 46.1	1.575	2.392	17.9	21.1

388611 2007 RL_{302} 6 10.8 242.°20 2.°2/11.2 18

5 11	17 42.31	−29 17.1	2.236	3.110	11.0	21.7
5 21	17 35.78	−29 32.2	2.152	3.097	8.0	21.5
5 31	17 27.32	−29 41.5	2.093	3.085	4.8	21.3
6 10	17 17.70	−29 43.2	2.061	3.072	2.2	21.1
6 20	17 7.86	−29 36.8	2.057	3.058	4.0	21.2
6 30	16 58.79	−29 23.5	2.081	3.044	7.4	21.3
7 10	16 51.38	−29 5.8	2.130	3.030	10.7	21.5
7 20	16 46.20	−28 46.6	2.201	3.016	13.5	21.7

432289 2009 SP_{250} 6 10.8 208.°47 7.°7/ 8.9 17

5 11	17 40.17	− 5 4.9	1.808	2.675	13.5	22.0
5 21	17 34.22	− 3 59.6	1.746	2.672	10.8	21.8
5 31	17 26.43	− 3 5.9	1.707	2.670	8.5	21.7
6 10	17 17.63	− 2 28.1	1.693	2.667	7.7	21.6
6 20	17 8.75	− 2 9.1	1.704	2.664	8.9	21.7
6 30	17 0.76	− 2 10.0	1.739	2.661	11.4	21.8
7 10	16 54.48	− 2 29.3	1.797	2.658	14.2	22.0
7 20	16 50.43	− 3 4.2	1.874	2.654	16.8	22.2

308543 2005 UO_{213} 6 10.8 232.°79 1.°0/10.9 18

5 11	17 40.28	−25 22.0	2.461	3.338	10.0	20.8
5 21	17 34.15	−25 46.7	2.382	3.332	7.1	20.6
5 31	17 26.38	−26 9.2	2.330	3.325	3.9	20.4
6 10	17 17.63	−26 28.0	2.305	3.318	1.1	20.2
6 20	17 8.70	−26 42.4	2.308	3.312	3.4	20.3
6 30	17 0.44	−26 52.7	2.340	3.305	6.6	20.5
7 10	16 53.59	−27 0.0	2.398	3.297	9.7	20.7
7 20	16 48.66	−27 5.9	2.478	3.290	12.3	20.9

380265 2001 YR_{31} 6 10.8 277.°07 0.°1/10.8 17

5 11	17 42.65	−22 45.8	1.722	2.611	13.0	21.0
5 21	17 36.47	−22 58.3	1.636	2.591	9.3	20.8
5 31	17 27.88	−23 9.9	1.573	2.571	5.0	20.5
6 10	17 17.76	−23 19.4	1.536	2.551	0.4	20.1
6 20	17 7.21	−23 26.3	1.525	2.531	4.4	20.3
6 30	16 57.51	−23 31.2	1.541	2.510	9.0	20.5
7 10	16 49.77	−23 35.8	1.581	2.489	13.2	20.7
7 20	16 44.74	−23 41.8	1.640	2.468	16.8	20.9

447255 2005 UB_{294} 6 10.8 269.°87 1.°8/11.1 18

5 11	17 40.28	−28 22.4	2.379	3.255	10.4	21.5
5 21	17 34.27	−28 36.1	2.291	3.238	7.5	21.3
5 31	17 26.50	−28 44.9	2.229	3.222	4.4	21.1
6 10	17 17.65	−28 47.5	2.193	3.205	1.9	20.9
6 20	17 8.57	−28 43.5	2.186	3.188	3.7	21.0
6 30	17 0.17	−28 33.8	2.207	3.171	7.0	21.1
7 10	16 53.25	−28 20.6	2.253	3.154	10.1	21.3
7 20	16 48.38	−28 6.0	2.321	3.136	12.9	21.5

128473 2004 PV 6 10.8 131.°65 0.°2/10.9 18

5 11	17 42.78	−24 11.9	1.863	2.747	12.4	19.8
5 21	17 36.09	−24 4.6	1.801	2.755	8.7	19.6
5 31	17 27.43	−23 53.8	1.764	2.762	4.7	19.3
6 10	17 17.72	−23 39.4	1.753	2.769	0.4	19.0
6 20	17 8.00	−23 22.2	1.770	2.775	3.9	19.3
6 30	16 59.34	−23 4.0	1.814	2.781	8.0	19.6
7 10	16 52.60	−22 47.2	1.882	2.787	11.6	19.8
7 20	16 48.29	−22 33.8	1.971	2.793	14.6	20.0

19403 1998 FA_1 6 10.8 282.°25 0.°3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.73	−23 17.4	1.734	2.624	12.9	18.4
5 21	17 35.63	−23 28.0	1.663	2.619	9.1	18.2
5 31	17 27.32	−23 37.0	1.616	2.614	4.9	17.9
6 10	17 17.72	−23 43.2	1.594	2.609	0.5	17.6
6 20	17 7.91	−23 46.5	1.599	2.604	4.2	17.9
6 30	16 59.10	−23 47.8	1.630	2.599	8.5	18.1
7 10	16 52.25	−23 48.8	1.684	2.594	12.5	18.3
7 20	16 47.99	−23 51.3	1.759	2.589	15.8	18.6

228599 2002 AF_{115} 6 10.8 173.°33 4.°9/10.4 17

5 11	17 41.39	− 8 51.0	2.006	2.876	12.3	20.7
5 21	17 34.97	− 8 42.5	1.941	2.878	9.3	20.6
5 31	17 26.81	− 8 43.6	1.900	2.879	6.4	20.4
6 10	17 17.68	− 8 55.7	1.885	2.881	4.9	20.3
6 20	17 8.45	− 9 18.9	1.898	2.882	6.2	20.4
6 30	17 0.06	− 9 52.7	1.937	2.882	9.1	20.5
7 10	16 53.27	−10 35.7	2.000	2.882	12.1	20.7
7 20	16 48.58	−11 25.7	2.085	2.882	14.8	20.9

412299 2013 JT_{44} 6 10.8 332.°05 0.°4/10.9 17

5 11	17 42.17	−22 53.1	1.202	2.108	16.1	20.3
5 21	17 36.68	−23 13.9	1.137	2.100	11.5	20.0
5 31	17 28.18	−23 34.3	1.093	2.093	6.2	19.7
6 10	17 17.80	−23 52.3	1.072	2.087	0.6	19.3
6 20	17 7.08	−24 6.7	1.075	2.081	5.3	19.6
6 30	16 57.70	−24 17.9	1.100	2.076	10.9	19.9
7 10	16 51.03	−24 28.0	1.147	2.071	15.8	20.1
7 20	16 47.84	−24 39.2	1.211	2.067	19.9	20.4

335523 2006 AY_{13} 6 10.8 81.°16 2.°3/10.6 17

5 11	17 41.20	−17 20.1	1.729	2.618	12.9	21.0
5 21	17 35.04	−17 13.9	1.671	2.625	9.2	20.8
5 31	17 26.90	−17 10.9	1.636	2.632	5.2	20.6
6 10	17 17.69	−17 11.6	1.627	2.639	2.3	20.4
6 20	17 8.44	−17 16.4	1.645	2.646	4.8	20.6
6 30	17 0.23	−17 25.8	1.688	2.653	8.7	20.8
7 10	16 53.91	−17 40.2	1.756	2.660	12.3	21.1
7 20	16 50.02	−17 59.6	1.844	2.667	15.4	21.3

116039 2003 WZ_{99} 6 10.8 229.°82 1.°1/11.0 18

5 11	17 41.52	−26 35.8	2.124	3.004	11.3	20.3
5 21	17 35.18	−26 34.1	2.047	2.997	8.1	20.1
5 31	17 26.98	−26 27.5	1.995	2.991	4.5	19.9
6 10	17 17.70	−26 15.4	1.969	2.984	1.2	19.6
6 20	17 8.28	−25 58.2	1.972	2.976	3.7	19.8
6 30	16 59.72	−25 37.4	2.002	2.969	7.4	20.0
7 10	16 52.84	−25 15.7	2.057	2.961	10.8	20.2
7 20	16 48.19	−24 55.5	2.134	2.953	13.8	20.4

406792 2008 SN_{143} 6 10.8 240.°80 3.°6/10.2 16

5 11	17 44.64	−15 54.8	1.586	2.473	14.0	22.4
5 21	17 37.85	−15 21.9	1.506	2.458	10.3	22.1
5 31	17 28.60	−14 51.7	1.450	2.443	6.2	21.8
6 10	17 17.83	−14 26.4	1.418	2.427	3.6	21.6
6 20	17 6.74	−14 8.1	1.413	2.410	6.1	21.7
6 30	16 56.62	−13 58.8	1.434	2.393	10.5	21.9
7 10	16 48.59	−13 59.8	1.478	2.375	14.7	22.1
7 20	16 43.37	−14 11.1	1.540	2.356	18.3	22.3

257644 1999 TG_{290} 6 10.8 255.°12 3.°6/10.1 18

5 11	17 42.76	−15 34.2	1.760	2.644	13.0	21.1
5 21	17 36.35	−14 58.3	1.675	2.626	9.5	20.8
5 31	17 27.74	−14 24.9	1.614	2.607	5.8	20.6
6 10	17 17.77	−13 56.2	1.580	2.587	3.6	20.4
6 20	17 7.49	−13 34.3	1.571	2.567	5.9	20.5
6 30	16 58.04	−13 21.4	1.590	2.546	9.8	20.7
7 10	16 50.44	−13 18.6	1.631	2.525	13.7	20.9
7 20	16 45.35	−13 26.0	1.692	2.503	17.1	21.0

17518 Redqueen 6 10.8 140.°78 2.°7/10.8 18

5 11	17 43.09	−14 4.0	1.897	2.775	12.5	17.2
5 21	17 36.30	−14 29.6	1.833	2.781	9.0	17.0
5 31	17 27.58	−15 2.1	1.793	2.785	5.3	16.8
6 10	17 17.75	−15 41.0	1.780	2.790	2.7	16.7
6 20	17 7.80	−16 24.7	1.795	2.795	4.7	16.8
6 30	16 58.75	−17 12.0	1.838	2.799	8.4	17.0
7 10	16 51.47	−18 1.7	1.905	2.803	11.9	17.3
7 20	16 46.50	−18 52.8	1.994	2.806	14.8	17.5

438263 2005 XO_3 6 10.8 303.°11 0.°9/11.2 18

5 11	17 42.74	−29 38.2	2.038	2.914	11.8	19.6
5 21	17 36.10	−28 34.2	1.946	2.894	8.5	19.3
5 31	17 27.48	−27 18.0	1.879	2.874	4.8	19.1
6 10	17 17.75	−25 51.0	1.840	2.854	1.1	18.8
6 20	17 7.94	−24 16.5	1.830	2.834	3.8	18.9
6 30	16 59.10	−22 40.0	1.848	2.815	7.9	19.1
7 10	16 52.10	−21 7.3	1.893	2.795	11.7	19.3
7 20	16 47.47	−19 43.1	1.959	2.776	14.9	19.5

385547 2004 RQ_{307} 6 10.8 228°.96 2°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.40	−17 56.1	2.132	3.013	11.2	21.8
5 21	17 35.04	−17 35.7	2.052	3.002	8.0	21.6
5 31	17 26.90	−17 16.3	1.996	2.991	4.6	21.4
6 10	17 17.71	−16 59.0	1.968	2.980	2.1	21.2
6 20	17 8.36	−16 44.9	1.968	2.968	4.4	21.3
6 30	16 59.76	−16 35.3	1.996	2.955	7.9	21.5
7 10	16 52.72	−16 31.4	2.048	2.942	11.3	21.7
7 20	16 47.78	−16 33.7	2.121	2.928	14.2	21.9

203013 1999 XJ_{204} 6 10.8 122°.62 4°.3/12.0 17

5 11	17 45.02	−36 41.7	2.201	3.057	11.9	20.7
5 21	17 37.56	−36 49.9	2.141	3.070	9.0	20.5
5 31	17 28.17	−36 45.9	2.106	3.082	6.2	20.3
6 10	17 17.80	−36 27.8	2.098	3.094	4.4	20.2
6 20	17 7.52	−35 56.0	2.117	3.106	5.2	20.3
6 30	16 58.38	−35 13.3	2.163	3.117	7.8	20.5
7 10	16 51.21	−34 24.0	2.235	3.128	10.5	20.7
7 20	16 46.46	−33 32.8	2.328	3.139	13.0	20.9

501069 2013 SC_{41} 6 10.8 206°.48 5°.2/ 9.7 17

5 11	17 41.55	− 9 7.4	2.133	3.000	11.8	22.3
5 21	17 35.05	− 8 30.1	2.060	2.994	9.0	22.2
5 31	17 26.86	− 8 0.2	2.011	2.987	6.4	22.0
6 10	17 17.72	− 7 40.2	1.989	2.980	5.2	21.9
6 20	17 8.44	− 7 31.7	1.995	2.973	6.5	22.0
6 30	16 59.92	− 7 35.7	2.027	2.964	9.2	22.1
7 10	16 52.91	− 7 51.7	2.084	2.955	12.1	22.3
7 20	16 47.92	− 8 18.2	2.161	2.945	14.7	22.4

479153 2013 BR_{79} 6 10.8 116°.63 3°.0/11.6 18

5 11	17 41.29	−33 28.0	2.572	3.435	10.1	21.5
5 21	17 34.73	−33 37.3	2.511	3.446	7.5	21.3
5 31	17 26.61	−33 38.2	2.474	3.458	4.8	21.2
6 10	17 17.69	−33 29.5	2.466	3.469	3.1	21.1
6 20	17 8.79	−33 11.4	2.485	3.480	4.1	21.2
6 30	17 0.75	−32 45.6	2.533	3.490	6.6	21.3
7 10	16 54.26	−32 15.0	2.606	3.501	9.2	21.5
7 20	16 49.73	−31 42.5	2.702	3.511	11.5	21.7

350213 2012 RK_{27} 6 10.8 261°.29 4°.9/12.1 18

5 11	17 45.08	−37 22.5	1.958	2.818	12.9	20.7
5 21	17 38.05	−37 24.5	1.875	2.805	10.0	20.5
5 31	17 28.64	−37 12.0	1.816	2.792	7.0	20.2
6 10	17 17.86	−36 42.6	1.782	2.778	5.0	20.1
6 20	17 6.91	−35 56.3	1.774	2.765	5.9	20.1
6 30	16 57.09	−34 56.3	1.794	2.751	8.9	20.3
7 10	16 49.44	−33 48.1	1.837	2.737	12.1	20.4
7 20	16 44.57	−32 37.9	1.903	2.722	15.2	20.6

505821 2015 BQ_{449} 6 10.8 251°.57 2°.3/10.6 17

5 11	17 42.15	−17 1.9	1.750	2.636	12.9	21.8
5 21	17 35.90	−17 0.5	1.673	2.626	9.3	21.5
5 31	17 27.50	−17 2.7	1.620	2.616	5.3	21.3
6 10	17 17.78	−17 9.0	1.593	2.605	2.3	21.1
6 20	17 7.79	−17 19.4	1.593	2.595	4.9	21.2
6 30	16 58.70	−17 34.4	1.619	2.583	9.1	21.4
7 10	16 51.47	−17 54.2	1.669	2.572	12.9	21.6
7 20	16 46.75	−18 18.9	1.739	2.561	16.3	21.8

136564 1977 VA 6 10.8 261°.20 1°.5/10.6 11 C

5 11	17 51.04	−21 9.1	1.436	2.321	15.4	22.6
5 21	17 43.10	−20 47.5	1.335	2.288	11.2	22.2
5 31	17 31.83	−20 22.6	1.257	2.254	6.2	21.8
6 10	17 18.15	−19 54.3	1.204	2.218	1.5	21.4
6 20	17 3.53	−19 23.9	1.178	2.181	5.9	21.6
6 30	16 49.76	−18 54.4	1.178	2.142	11.7	21.8
7 10	16 38.45	−18 30.2	1.200	2.101	17.1	22.0
7 20	16 30.66	−18 14.6	1.241	2.058	21.8	22.2

152317 2005 TW_{176} 6 10.8 158°.74 2°.5/10.4 18

5 11	17 38.13	−14 27.9	2.630	3.504	9.6	20.5
5 21	17 32.39	−14 19.6	2.563	3.508	6.9	20.3
5 31	17 25.35	−14 15.0	2.522	3.512	4.2	20.1
6 10	17 17.61	−14 14.8	2.509	3.515	2.5	20.0
6 20	17 9.82	−14 19.4	2.524	3.519	4.0	20.1
6 30	17 2.66	−14 29.2	2.567	3.521	6.7	20.3
7 10	16 56.72	−14 44.1	2.636	3.524	9.3	20.5
7 20	16 52.41	−15 3.7	2.728	3.526	11.6	20.6

107669 2001 FC_5 6 10.8 336°.37 6°.0/10.1 18

5 11	17 35.92	−12 57.6	1.048	1.963	17.1	18.0
5 21	17 32.42	−12 23.2	0.980	1.944	12.9	17.7
5 31	17 26.00	−11 58.3	0.930	1.925	8.5	17.3
6 10	17 17.68	−11 47.2	0.902	1.908	6.0	17.1
6 20	17 8.91	−11 52.7	0.894	1.892	8.5	17.2
6 30	17 1.31	−12 16.0	0.907	1.878	13.3	17.4
7 10	16 56.30	−12 55.8	0.939	1.866	18.1	17.7
7 20	16 54.71	−13 48.8	0.986	1.855	22.4	17.9

516259 2016 UH_{148} 6 10.8 273°.03 3°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.15	−14 33.8	2.328	3.207	10.4	21.3
5 21	17 32.66	−14 14.7	2.244	3.192	7.6	21.1
5 31	17 25.62	−13 59.3	2.185	3.176	4.7	20.9
6 10	17 17.64	−13 48.8	2.153	3.159	3.0	20.8
6 20	17 9.48	−13 44.1	2.149	3.143	4.6	20.8
6 30	17 1.94	−13 46.1	2.172	3.127	7.7	21.0
7 10	16 55.72	−13 55.1	2.220	3.110	10.7	21.2
7 20	16 51.34	−14 10.9	2.289	3.093	13.4	21.3

201656 2003 TR_{14} 6 10.8 187°.25 2°.4/11.0 18

5 11	17 43.81	−28 57.9	2.372	3.242	10.6	20.4
5 21	17 36.74	−29 37.0	2.298	3.241	7.7	20.2
5 31	17 27.83	−30 11.4	2.250	3.240	4.6	20.0
6 10	17 17.82	−30 38.7	2.230	3.239	2.4	19.9
6 20	17 7.62	−30 57.5	2.239	3.237	4.0	20.0
6 30	16 58.18	−31 8.1	2.276	3.235	7.1	20.2
7 10	16 50.34	−31 12.2	2.338	3.232	10.1	20.3
7 20	16 44.66	−31 12.4	2.423	3.229	12.7	20.5

131714 2001 YZ_{70} 6 10.8 94°.13 0°.5/10.9 17

5 11	17 43.10	−24 37.9	1.746	2.633	12.9	20.6
5 21	17 36.40	−24 35.8	1.691	2.645	9.1	20.4
5 31	17 27.64	−24 30.0	1.660	2.658	4.9	20.1
6 10	17 17.81	−24 19.9	1.655	2.670	0.6	19.8
6 20	17 8.03	−24 6.4	1.677	2.682	4.1	20.1
6 30	16 59.41	−23 51.1	1.725	2.694	8.2	20.4
7 10	16 52.84	−23 36.6	1.798	2.706	11.9	20.7
7 20	16 48.80	−23 25.0	1.891	2.717	15.0	20.9

251329 2007 DD_{25} 6 10.8 243°.24 1°.9/11.3 18

5 11	17 40.04	−29 36.2	2.593	3.464	9.8	21.2
5 21	17 33.97	−29 42.3	2.510	3.454	7.1	21.0
5 31	17 26.31	−29 42.7	2.452	3.443	4.2	20.8
6 10	17 17.73	−29 36.3	2.422	3.432	2.0	20.6
6 20	17 9.00	−29 23.1	2.420	3.421	3.5	20.7
6 30	17 0.96	−29 4.4	2.447	3.410	6.5	20.9
7 10	16 54.31	−28 42.4	2.499	3.398	9.3	21.1
7 20	16 49.54	−28 19.4	2.574	3.386	11.9	21.2

207466 2006 GH_{42} 6 10.8 16°.54 0°.9/10.9 17

5 11	17 42.76	−22 45.9	1.116	2.025	16.9	19.5
5 21	17 37.16	−23 26.9	1.063	2.028	12.0	19.2
5 31	17 28.45	−24 8.4	1.031	2.031	6.5	18.9
6 10	17 17.90	−24 47.1	1.020	2.035	1.0	18.5
6 20	17 7.16	−25 20.2	1.034	2.040	5.5	18.9
6 30	16 57.96	−25 47.3	1.070	2.046	11.0	19.2
7 10	16 51.65	−26 10.0	1.126	2.053	15.8	19.5
7 20	16 48.92	−26 30.5	1.200	2.060	19.9	19.8

437731 2014 DP_{137} 6 10.8 227°.19 0°.3/10.9 16

5 11	17 40.69	−23 49.3	2.160	3.042	11.0	21.7
5 21	17 34.58	−23 55.3	2.086	3.038	7.8	21.5
5 31	17 26.68	−23 59.2	2.036	3.034	4.2	21.2
6 10	17 17.76	−24 0.2	2.014	3.029	0.5	20.9
6 20	17 8.69	−23 58.4	2.019	3.024	3.5	21.2
6 30	17 0.42	−23 54.8	2.052	3.019	7.3	21.4
7 10	16 53.75	−23 50.9	2.110	3.014	10.6	21.6
7 20	16 49.20	−23 48.3	2.190	3.008	13.5	21.8

171000 2005 EZ_{13} 6 10.8 93°.75 1°.1/10.9 18

5 11	17 46.06	−25 14.1	1.494	2.383	14.6	20.4
5 21	17 38.73	−25 28.7	1.445	2.400	10.3	20.2
5 31	17 28.97	−25 38.8	1.419	2.417	5.6	19.9
6 10	17 17.93	−25 43.0	1.419	2.434	1.2	19.7
6 20	17 7.00	−25 41.1	1.445	2.450	4.6	19.9
6 30	16 57.49	−25 34.7	1.496	2.466	9.1	20.2
7 10	16 50.44	−25 26.9	1.571	2.481	13.1	20.5
7 20	16 46.34	−25 20.4	1.665	2.496	16.5	20.8

439678 2014 JE_9 6 10.8 235°.42 3°.4/ 9.9 17

5 11	17 37.71	−13 29.6	2.379	3.256	10.3	20.7
5 21	17 32.24	−12 54.6	2.308	3.253	7.6	20.5
5 31	17 25.34	−12 23.4	2.261	3.249	4.9	20.3
6 10	17 17.65	−11 57.9	2.242	3.245	3.4	20.2
6 20	17 9.90	−11 39.6	2.251	3.240	4.9	20.3
6 30	17 2.82	−11 29.6	2.287	3.236	7.7	20.5
7 10	16 57.05	−11 28.3	2.348	3.232	10.5	20.7
7 20	16 53.03	−11 35.4	2.430	3.227	12.9	20.8

469966 2006 DF_{93} 6 10.8 33°.92 1°.2/11.1 17

5 11	17 41.82	−26 20.5	1.745	2.633	12.9	21.6
5 21	17 35.66	−26 24.1	1.680	2.634	9.2	21.3
5 31	17 27.34	−26 22.6	1.639	2.636	5.1	21.1
6 10	17 17.81	−26 15.3	1.623	2.638	1.3	20.8
6 20	17 8.21	−26 2.3	1.635	2.639	4.2	21.1
6 30	16 59.68	−25 45.5	1.672	2.641	8.3	21.3
7 10	16 53.17	−25 27.8	1.733	2.643	12.1	21.5
7 20	16 49.24	−25 11.7	1.814	2.645	15.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
380883 2006 DO_{22}			6 10.8 61°51		1°5/10.6 17	
	h m	° ′			°	m
5 11	17 41.17	−19 12.2	1.683	2.575	13.1	20.7
5 21	17 35.09	−19 8.4	1.627	2.583	9.3	20.4
5 31	17 26.99	−19 6.1	1.594	2.592	5.1	20.2
6 10	17 17.79	−19 5.7	1.587	2.600	1.6	20.0
6 20	17 8.57	−19 7.4	1.606	2.609	4.5	20.2
6 30	17 0.43	−19 12.2	1.651	2.618	8.6	20.5
7 10	16 54.26	−19 20.8	1.719	2.627	12.4	20.7
7 20	16 50.55	−19 33.6	1.808	2.636	15.5	20.9
170241 2003 QM_{34}			6 10.9 217°97		4°4/11.6 17	
5 11	17 46.96	−33 36.4	1.638	2.513	14.3	20.7
5 21	17 39.67	−33 55.3	1.566	2.508	10.8	20.4
5 31	17 29.65	−34 2.1	1.517	2.502	7.0	20.2
6 10	17 18.02	−33 53.7	1.492	2.497	4.4	20.0
6 20	17 6.18	−33 29.4	1.494	2.490	5.9	20.1
6 30	16 55.64	−32 51.9	1.521	2.484	9.7	20.3
7 10	16 47.58	−32 6.7	1.572	2.477	13.5	20.5
7 20	16 42.67	−31 19.7	1.643	2.470	16.9	20.7
200548 2001 FU_{154}			6 10.9 114°33		3°9/11.3 17	
5 11	17 44.31	−32 49.7	1.996	2.867	12.3	20.0
5 21	17 37.32	−33 25.6	1.936	2.875	9.2	19.8
5 31	17 28.20	−33 52.6	1.899	2.884	6.0	19.7
6 10	17 17.90	−34 7.8	1.889	2.892	3.9	19.5
6 20	17 7.52	−34 10.1	1.906	2.900	5.2	19.6
6 30	16 58.21	−34 1.0	1.950	2.908	8.2	19.8
7 10	16 50.89	−33 43.8	2.018	2.916	11.3	20.0
7 20	16 46.14	−33 22.3	2.108	2.923	14.0	20.2
144278 2004 CU_{100}			6 10.9 100°81		0°2/10.9 17	
5 11	17 44.62	−23 13.7	1.623	2.512	13.7	20.6
5 21	17 37.60	−23 23.7	1.571	2.526	9.7	20.4
5 31	17 28.35	−23 31.5	1.541	2.539	5.2	20.2
6 10	17 17.92	−23 36.1	1.538	2.553	0.5	19.9
6 20	17 7.53	−23 37.4	1.561	2.566	4.3	20.2
6 30	16 58.39	−23 36.7	1.610	2.579	8.7	20.5
7 10	16 51.45	−23 36.0	1.683	2.592	12.5	20.7
7 20	16 47.23	−23 37.1	1.777	2.604	15.8	21.0
345941 2007 RC_{284}			6 10.9 316°87		5°6/ 9.2 16	
5 11	17 38.44	−12 14.6	1.644	2.534	13.4	20.6
5 21	17 33.31	−11 7.8	1.571	2.520	10.1	20.3
5 31	17 26.13	−10 5.8	1.521	2.507	7.0	20.1
6 10	17 17.76	− 9 12.9	1.496	2.494	5.6	20.0
6 20	17 9.20	− 8 32.9	1.497	2.482	7.5	20.1
6 30	17 1.55	− 8 8.6	1.522	2.470	10.9	20.3
7 10	16 55.72	− 8 0.8	1.568	2.458	14.4	20.4
7 20	16 52.30	− 8 8.3	1.634	2.447	17.5	20.6
493393 2014 WG_{160}			6 10.9 141°59		4°5/10.1 17	
5 11	17 42.60	−13 18.9	1.574	2.461	14.1	21.3
5 21	17 36.19	−12 45.6	1.515	2.465	10.4	21.1
5 31	17 27.62	−12 18.7	1.480	2.469	6.6	20.9
6 10	17 17.88	−12 0.5	1.469	2.473	4.5	20.8
6 20	17 8.10	−11 52.9	1.484	2.477	6.5	20.9
6 30	16 59.44	−11 56.8	1.524	2.480	10.2	21.1
7 10	16 52.82	−12 11.8	1.587	2.483	13.9	21.4
7 20	16 48.81	−12 36.8	1.669	2.486	17.1	21.6
314459 2005 WQ_{6}			6 10.9 249°98		1°1/10.5 18	
5 11	17 38.88	−20 44.4	2.651	3.529	9.4	21.3
5 21	17 33.05	−20 18.3	2.563	3.514	6.7	21.1
5 31	17 25.81	−19 50.8	2.501	3.498	3.6	20.9
6 10	17 17.74	−19 22.7	2.468	3.481	1.1	20.6
6 20	17 9.54	−18 55.3	2.463	3.465	3.4	20.8
6 30	17 1.93	−18 30.1	2.487	3.448	6.5	21.0
7 10	16 55.57	−18 8.7	2.537	3.430	9.4	21.1
7 20	16 50.89	−17 52.3	2.609	3.413	12.0	21.3
443354 2014 GO_{35}			6 10.9 342°03		5°5/11.2 18	
5 11	17 38.12	−33 28.4	1.436	2.329	14.8	19.6
5 21	17 33.85	−34 17.8	1.360	2.310	11.3	19.4
5 31	17 26.75	−34 57.5	1.305	2.291	7.7	19.1
6 10	17 17.83	−35 23.1	1.272	2.274	5.5	19.0
6 20	17 8.43	−35 31.7	1.264	2.259	7.0	19.0
6 30	17 0.13	−35 23.8	1.278	2.245	10.7	19.2
7 10	16 54.29	−35 3.6	1.314	2.232	14.7	19.4
7 20	16 51.72	−34 36.2	1.368	2.221	18.2	19.6
250897 2005 VU_{80}			6 10.9 222°97		0°4/10.8 18	
5 11	17 39.78	−20 32.6	2.610	3.487	9.5	20.7
5 21	17 33.73	−20 53.7	2.531	3.481	6.8	20.5
5 31	17 26.19	−21 15.7	2.478	3.474	3.6	20.3
6 10	17 17.78	−21 37.7	2.453	3.468	0.5	20.0
6 20	17 9.19	−21 59.3	2.457	3.461	3.1	20.3
6 30	17 1.20	−22 20.2	2.490	3.454	6.3	20.5
7 10	16 54.48	−22 40.7	2.549	3.447	9.2	20.6
7 20	16 49.50	−23 1.6	2.632	3.439	11.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131238 2001 EW_{1}			6 10.9 121°67		1°0/10.8 18	
	h m	° ′			°	m
5 11	17 42.21	−19 22.9	2.008	2.890	11.7	19.8
5 21	17 35.63	−19 37.6	1.947	2.899	8.3	19.6
5 31	17 27.24	−19 54.0	1.912	2.908	4.5	19.4
6 10	17 17.86	−20 11.2	1.903	2.917	1.0	19.2
6 20	17 8.42	−20 28.9	1.922	2.926	3.9	19.4
6 30	16 59.90	−20 47.1	1.969	2.934	7.6	19.7
7 10	16 53.09	−21 6.2	2.041	2.942	11.0	19.9
7 20	16 48.50	−21 26.8	2.134	2.950	13.9	20.1
394757 2008 FD_{128}			6 10.9 318°06		3°8/11.3 18	
5 11	17 41.22	−32 49.8	2.128	3.000	11.6	20.9
5 21	17 35.19	−33 26.4	2.054	2.994	8.7	20.7
5 31	17 27.13	−33 55.3	2.004	2.988	5.7	20.5
6 10	17 17.86	−34 13.8	1.980	2.982	3.8	20.4
6 20	17 8.36	−34 20.4	1.983	2.977	5.0	20.5
6 30	16 59.72	−34 16.0	2.013	2.971	8.0	20.6
7 10	16 52.85	−34 3.4	2.067	2.966	11.0	20.8
7 20	16 48.35	−33 45.8	2.142	2.961	13.7	21.0
270340 2001 XM_{211}			6 10.9 190°75		2°2/10.5 18	
5 11	17 42.04	−16 48.3	2.299	3.174	10.7	21.6
5 21	17 35.37	−16 36.4	2.225	3.172	7.7	21.4
5 31	17 27.08	−16 26.7	2.177	3.170	4.4	21.2
6 10	17 17.87	−16 20.0	2.157	3.168	2.2	21.0
6 20	17 8.56	−16 16.7	2.166	3.164	4.2	21.2
6 30	16 59.99	−16 17.8	2.203	3.160	7.4	21.4
7 10	16 52.90	−16 23.7	2.265	3.155	10.5	21.5
7 20	16 47.77	−16 34.7	2.349	3.150	13.2	21.7
142191 2002 RV_{50}			6 10.9 258°24		1°5/10.7 18	
5 11	17 43.50	−19 30.4	1.798	2.683	12.7	20.8
5 21	17 36.99	−19 24.6	1.710	2.664	9.1	20.5
5 31	17 28.20	−19 19.7	1.646	2.643	5.1	20.2
6 10	17 17.97	−19 15.7	1.609	2.623	1.5	19.9
6 20	17 7.35	−19 13.1	1.598	2.601	4.6	20.1
6 30	16 57.53	−19 13.0	1.614	2.579	9.0	20.3
7 10	16 49.58	−19 16.7	1.654	2.557	13.1	20.5
7 20	16 44.17	−19 25.3	1.715	2.534	16.6	20.7
239156 2006 KR_{15}			6 10.9 127°48		1°7/10.5 17	
5 11	17 40.69	−19 10.1	1.963	2.849	11.8	21.5
5 21	17 34.57	−18 49.8	1.900	2.853	8.4	21.2
5 31	17 26.68	−18 30.1	1.861	2.858	4.6	21.0
6 10	17 17.83	−18 11.9	1.849	2.862	1.7	20.8
6 20	17 8.96	−17 56.4	1.864	2.866	4.3	21.0
6 30	17 1.00	−17 45.1	1.906	2.870	8.0	21.3
7 10	16 54.75	−17 39.0	1.973	2.874	11.4	21.5
7 20	16 50.68	−17 39.0	2.061	2.877	14.3	21.7
405810 2006 BL_{71}			6 10.9 238°61		4°6/11.4 17	
5 11	17 48.01	−32 52.3	1.535	2.412	14.9	22.0
5 21	17 40.73	−33 27.4	1.459	2.402	11.2	21.7
5 31	17 30.40	−33 51.9	1.404	2.391	7.3	21.5
6 10	17 18.16	−34 1.3	1.375	2.379	4.7	21.3
6 20	17 5.50	−33 53.5	1.371	2.367	6.4	21.3
6 30	16 54.09	−33 30.4	1.393	2.355	10.4	21.5
7 10	16 45.33	−32 57.3	1.437	2.342	14.5	21.8
7 20	16 39.99	−32 20.2	1.500	2.329	18.1	22.0
427093 2014 UN_{46}			6 10.9 185°71		0°9/10.7 17	
5 11	17 44.59	−21 17.8	1.859	2.741	12.5	22.2
5 21	17 37.49	−21 6.1	1.789	2.741	8.9	22.0
5 31	17 28.31	−20 53.2	1.744	2.741	4.8	21.7
6 10	17 17.98	−20 39.2	1.725	2.740	1.0	21.4
6 20	17 7.54	−20 25.0	1.735	2.738	4.2	21.7
6 30	16 58.10	−20 12.2	1.771	2.736	8.4	21.9
7 10	16 50.58	−20 2.7	1.832	2.733	12.1	22.1
7 20	16 45.54	−19 58.0	1.914	2.729	15.3	22.3
35635 1998 KV_{33}			6 10.9 357°52		0°2/10.8 18	
5 11	17 37.76	−22 43.3	1.599	2.499	13.2	18.5
5 21	17 32.94	−22 42.3	1.534	2.495	9.4	18.2
5 31	17 25.98	−22 39.8	1.493	2.492	5.0	18.0
6 10	17 17.79	−22 35.7	1.475	2.491	0.4	17.6
6 20	17 9.47	−22 30.4	1.484	2.490	4.3	17.9
6 30	17 2.18	−22 25.2	1.517	2.490	8.7	18.2
7 10	16 56.86	−22 21.9	1.573	2.491	12.7	18.4
7 20	16 54.09	−22 21.8	1.649	2.493	16.0	18.6
95694 2002 JS_{70}			6 10.9 175°76		8°5/ 7.7 18	
5 11	17 40.09	− 2 28.9	1.971	2.825	13.1	19.7
5 21	17 34.06	− 0 54.7	1.913	2.826	10.8	19.5
5 31	17 26.38	+ 0 27.4	1.880	2.827	9.0	19.4
6 10	17 17.82	+ 1 32.1	1.872	2.827	8.6	19.4
6 20	17 9.23	+ 2 15.8	1.890	2.828	9.7	19.5
6 30	17 1.49	+ 2 36.8	1.932	2.828	11.8	19.6
7 10	16 55.32	+ 2 36.4	1.995	2.828	14.1	19.8
7 20	16 51.20	+ 2 17.4	2.077	2.827	16.3	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191762 2004 TU_{34}			6 10.9 323.°75		3.°4/10.3 17	
	h m	° ′			°	m
5 11	17 39.12	−16 24.1	1.435	2.335	14.4	19.9
5 21	17 34.13	−15 58.4	1.363	2.321	10.5	19.7
5 31	17 26.73	−15 36.3	1.312	2.308	6.2	19.4
6 10	17 17.86	−15 19.9	1.285	2.295	3.4	19.2
6 20	17 8.71	−15 11.2	1.283	2.283	6.0	19.3
6 30	17 0.58	−15 11.5	1.304	2.271	10.5	19.5
7 10	16 54.56	−15 21.7	1.348	2.260	14.8	19.7
7 20	16 51.33	−15 41.1	1.409	2.250	18.5	20.0
211347 2002 TW_{98}			6 10.9 203.°49		2.°9/10.2 18	
5 11	17 39.61	−15 39.3	2.088	2.970	11.3	20.8
5 21	17 33.76	−15 13.0	2.019	2.968	8.2	20.6
5 31	17 26.25	−14 49.8	1.975	2.967	4.9	20.4
6 10	17 17.82	−14 31.0	1.957	2.965	2.9	20.2
6 20	17 9.31	−14 18.1	1.968	2.963	4.8	20.3
6 30	17 1.60	−14 12.2	2.004	2.961	8.1	20.5
7 10	16 55.43	−14 13.9	2.066	2.959	11.3	20.7
7 20	16 51.28	−14 22.9	2.148	2.957	14.0	20.9
248877 2006 UG_{144}			6 10.9 106.°24		2.°9/10.1 18	
5 11	17 38.63	−16 1.6	2.213	3.095	10.8	20.0
5 21	17 32.95	−15 23.8	2.148	3.098	7.8	19.8
5 31	17 25.77	−14 48.2	2.109	3.101	4.7	19.6
6 10	17 17.79	−14 16.8	2.098	3.105	2.9	19.5
6 20	17 9.80	−13 51.2	2.113	3.108	4.6	19.6
6 30	17 2.59	−13 33.0	2.156	3.111	7.7	19.8
7 10	16 56.84	−13 23.0	2.224	3.115	10.7	20.0
7 20	16 52.96	−13 21.2	2.313	3.118	13.3	20.2
268370 2005 TO_{141}			6 10.9 158.°04		0.°8/10.9 17	
5 11	17 43.87	−24 53.1	1.954	2.835	12.1	21.7
5 21	17 36.94	−25 5.1	1.889	2.840	8.6	21.5
5 31	17 28.01	−25 14.0	1.848	2.845	4.7	21.3
6 10	17 17.98	−25 18.4	1.835	2.849	0.9	21.0
6 20	17 7.86	−25 18.2	1.849	2.853	3.9	21.3
6 30	16 58.73	−25 14.5	1.890	2.856	7.8	21.5
7 10	16 51.46	−25 9.3	1.956	2.859	11.3	21.7
7 20	16 46.60	−25 4.7	2.044	2.862	14.3	21.9
18979 Henryfong			6 10.9 57.°47		2.°4/10.5 18	
5 11	17 41.10	−17 51.3	1.670	2.561	13.2	17.9
5 21	17 35.12	−17 30.3	1.608	2.563	9.4	17.7
5 31	17 27.08	−17 11.6	1.570	2.566	5.4	17.5
6 10	17 17.90	−16 56.1	1.556	2.568	2.4	17.3
6 20	17 8.66	−16 45.4	1.570	2.571	5.0	17.5
6 30	17 0.46	−16 40.6	1.608	2.573	9.1	17.7
7 10	16 54.21	−16 42.7	1.670	2.576	12.8	17.9
7 20	16 50.45	−16 51.8	1.753	2.578	16.0	18.1
435614 2008 SP_{86}			6 10.9 198.°54		5.°8/ 9.1 17	
5 11	17 40.11	− 9 28.4	1.979	2.852	12.3	21.4
5 21	17 34.12	− 8 24.0	1.914	2.851	9.4	21.2
5 31	17 26.45	− 7 26.4	1.873	2.849	6.8	21.0
6 10	17 17.85	− 6 39.5	1.859	2.848	5.8	21.0
6 20	17 9.20	− 6 6.1	1.871	2.845	7.2	21.1
6 30	17 1.39	− 5 47.8	1.909	2.843	9.9	21.2
7 10	16 55.17	− 5 44.8	1.971	2.840	12.8	21.4
7 20	16 51.02	− 5 55.4	2.052	2.838	15.3	21.6
230248 2001 VT_{5}			6 10.9 136.°14		0.°1/10.9 17	
5 11	17 43.86	−23 57.2	2.160	3.037	11.2	21.8
5 21	17 36.65	−23 48.5	2.101	3.051	7.9	21.6
5 31	17 27.74	−23 36.7	2.068	3.064	4.2	21.4
6 10	17 17.95	−23 21.6	2.062	3.077	0.4	21.1
6 20	17 8.23	−23 4.2	2.085	3.090	3.5	21.4
6 30	16 59.47	−22 46.0	2.137	3.101	7.2	21.6
7 10	16 52.44	−22 29.0	2.213	3.112	10.4	21.9
7 20	16 47.58	−22 15.2	2.312	3.122	13.1	22.1
144716 Scotttucker			6 10.9 134.°27		0.°7/10.9 18	
5 11	17 41.53	−23 40.7	2.173	3.054	11.0	19.8
5 21	17 35.20	−24 10.6	2.106	3.057	7.8	19.6
5 31	17 27.07	−24 39.3	2.063	3.060	4.2	19.4
6 10	17 17.92	−25 5.2	2.048	3.063	0.8	19.1
6 20	17 8.63	−25 27.3	2.062	3.066	3.5	19.3
6 30	17 0.15	−25 45.7	2.102	3.069	7.1	19.6
7 10	16 53.27	−26 1.2	2.169	3.071	10.4	19.8
7 20	16 48.52	−26 15.2	2.257	3.074	13.2	20.0
504076 2006 BE_{21}			6 10.9 117.°38		1.°4/10.7 17	
5 11	17 42.11	−19 17.9	1.895	2.780	12.2	21.8
5 21	17 35.62	−19 12.6	1.836	2.789	8.6	21.6
5 31	17 27.27	−19 8.3	1.802	2.799	4.7	21.4
6 10	17 17.94	−19 5.4	1.794	2.808	1.5	21.2
6 20	17 8.59	−19 4.3	1.814	2.817	4.2	21.4
6 30	17 0.23	−19 5.8	1.861	2.826	8.0	21.7
7 10	16 53.68	−19 10.8	1.932	2.834	11.5	21.9
7 20	16 49.41	−19 20.0	2.024	2.842	14.4	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314022 2004 XR_{20}			6 10.9 156.°55		0.°9/10.7 17	
	h m	° ′			°	m
5 11	17 45.27	−22 7.1	1.680	2.566	13.4	20.7
5 21	17 38.04	−21 41.6	1.618	2.572	9.5	20.5
5 31	17 28.63	−21 13.4	1.580	2.578	5.1	20.3
6 10	17 18.05	−20 43.4	1.568	2.583	1.0	20.0
6 20	17 7.47	−20 13.3	1.583	2.587	4.5	20.3
6 30	16 58.09	−19 45.8	1.625	2.591	8.9	20.5
7 10	16 50.84	−19 23.5	1.691	2.595	12.8	20.8
7 20	16 46.25	−19 8.0	1.777	2.597	16.1	21.0
134653 1999 VJ_{38}			6 10.9 325.°59		2.°5/10.4 18	
5 11	17 37.69	−20 23.3	1.078	1.995	16.6	19.1
5 21	17 33.89	−19 44.2	1.000	1.968	12.1	18.7
5 31	17 26.96	−19 2.2	0.941	1.942	6.8	18.3
6 10	17 17.95	−18 20.0	0.904	1.917	2.5	18.0
6 20	17 8.33	−17 41.1	0.888	1.894	6.6	18.1
6 30	16 59.87	−17 10.1	0.894	1.871	12.5	18.4
7 10	16 54.10	−16 50.7	0.918	1.850	18.0	18.6
7 20	16 51.93	−16 44.6	0.959	1.830	22.7	18.8
92974 2000 RM_{61}			6 10.9 311.°66		4.°3/10.6 18	
5 11	17 44.11	−29 17.4	1.514	2.402	14.5	18.9
5 21	17 38.14	−30 34.3	1.432	2.383	10.8	18.6
5 31	17 29.18	−31 48.6	1.372	2.363	6.8	18.4
6 10	17 18.13	−32 54.6	1.338	2.344	4.3	18.2
6 20	17 6.35	−33 47.0	1.329	2.326	6.4	18.2
6 30	16 55.47	−34 23.9	1.344	2.307	10.6	18.4
7 10	16 46.97	−34 47.2	1.383	2.290	14.8	18.6
7 20	16 41.82	−35 0.8	1.439	2.273	18.5	18.8
292643 2006 UD_{37}			6 10.9 301.°36		0.°4/10.9 16	
5 11	17 39.92	−24 36.3	2.027	2.912	11.5	21.6
5 21	17 34.17	−24 33.5	1.952	2.906	8.2	21.3
5 31	17 26.56	−24 27.5	1.903	2.900	4.4	21.1
6 10	17 17.89	−24 17.8	1.879	2.894	0.6	20.8
6 20	17 9.08	−24 5.1	1.884	2.889	3.7	21.0
6 30	17 1.12	−23 50.7	1.914	2.883	7.5	21.3
7 10	16 54.83	−23 36.7	1.970	2.877	11.0	21.5
7 20	16 50.76	−23 25.1	2.047	2.872	14.1	21.6
508298 2015 KF_{35}			6 10.9 198.°61		0.°0/10.9 17	
5 11	17 41.22	−23 54.2	2.031	2.915	11.5	21.4
5 21	17 35.02	−23 42.4	1.960	2.914	8.2	21.2
5 31	17 26.98	−23 27.4	1.915	2.912	4.4	20.9
6 10	17 17.93	−23 9.3	1.896	2.911	0.4	20.6
6 20	17 8.80	−22 49.0	1.905	2.909	3.7	20.9
6 30	17 0.56	−22 28.2	1.941	2.908	7.6	21.1
7 10	16 54.04	−22 9.3	2.001	2.906	11.0	21.3
7 20	16 49.74	−21 54.0	2.083	2.904	14.0	21.5
175351 2005 OR_{7}			6 10.9 301.°90		2.°6/11.5 18	
5 11	17 38.02	−32 35.0	2.831	3.697	9.2	19.6
5 21	17 32.58	−32 40.7	2.736	3.675	6.9	19.4
5 31	17 25.65	−32 39.3	2.667	3.653	4.4	19.2
6 10	17 17.83	−32 29.9	2.625	3.630	2.7	19.1
6 20	17 9.82	−32 12.4	2.611	3.608	3.7	19.1
6 30	17 2.39	−31 47.8	2.626	3.586	6.2	19.3
7 10	16 56.22	−31 18.4	2.666	3.564	8.9	19.4
7 20	16 51.80	−30 46.9	2.729	3.542	11.3	19.5
29362 Azumakofuzi			6 10.9 107.°35		0.°7/10.8 18	
5 11	17 45.61	−21 12.0	1.400	2.294	15.1	18.2
5 21	17 38.60	−21 16.2	1.347	2.305	10.7	17.9
5 31	17 29.04	−21 20.2	1.316	2.315	5.7	17.7
6 10	17 18.10	−21 23.4	1.310	2.325	0.8	17.4
6 20	17 7.16	−21 25.9	1.330	2.335	4.9	17.7
6 30	16 57.62	−21 28.7	1.374	2.345	9.7	18.0
7 10	16 50.55	−21 33.6	1.442	2.354	14.0	18.3
7 20	16 46.51	−21 41.9	1.528	2.363	17.5	18.5
270860 2002 TT_{76}			6 10.9 238.°24		3.°6/11.4 17	
5 11	17 45.97	−32 8.7	1.861	2.734	13.0	21.1
5 21	17 38.84	−32 27.8	1.780	2.721	9.7	20.9
5 31	17 29.24	−32 37.5	1.721	2.709	6.1	20.6
6 10	17 18.14	−32 35.2	1.689	2.695	3.6	20.4
6 20	17 6.72	−32 19.7	1.684	2.681	5.2	20.5
6 30	16 56.32	−31 53.0	1.705	2.667	8.8	20.7
7 10	16 48.06	−31 19.2	1.750	2.652	12.5	20.9
7 20	16 42.60	−30 43.1	1.817	2.637	15.8	21.1
341361 2007 TP_{73}			6 10.9 270.°80		2.°0/10.5 18	
5 11	17 40.12	−18 20.9	1.960	2.846	11.8	21.0
5 21	17 34.34	−18 1.8	1.882	2.835	8.4	20.8
5 31	17 26.69	−17 43.9	1.828	2.824	4.8	20.6
6 10	17 17.92	−17 28.1	1.800	2.812	2.0	20.4
6 20	17 8.97	−17 15.5	1.800	2.801	4.5	20.5
6 30	17 0.82	−17 7.6	1.826	2.789	8.3	20.7
7 10	16 54.32	−17 5.4	1.877	2.778	11.8	20.9
7 20	16 50.02	−17 9.6	1.948	2.766	14.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
47328 1999 XZ_{27}			6 10.9 110°.48	1°.4/11.1 18		
	h m	° ′			°	m
5 11	17 46.01	−26 33.5	1.668	2.552	13.6	19.1
5 21	17 38.60	−26 42.2	1.616	2.568	9.7	18.9
5 31	17 28.94	−26 45.2	1.587	2.583	5.4	18.7
6 10	17 18.11	−26 41.3	1.584	2.598	1.5	18.5
6 20	17 7.35	−26 30.8	1.608	2.612	4.3	18.7
6 30	16 57.90	−26 15.6	1.659	2.626	8.5	19.0
7 10	16 50.71	−25 58.9	1.733	2.640	12.3	19.2
7 20	16 46.27	−25 43.6	1.828	2.653	15.5	19.5
375271 2008 HC_{22}			6 10.9 163°.76	7°.0/ 9.7 17		
5 11	17 41.65	− 4 11.9	2.002	2.858	12.9	21.2
5 21	17 35.17	− 3 31.4	1.942	2.863	10.2	21.1
5 31	17 27.01	− 3 3.2	1.907	2.868	8.0	21.0
6 10	17 17.95	− 2 50.3	1.897	2.872	7.0	20.9
6 20	17 8.86	− 2 54.1	1.914	2.875	8.1	21.0
6 30	17 0.62	− 3 14.5	1.956	2.878	10.4	21.1
7 10	16 53.98	− 3 49.6	2.021	2.880	12.9	21.3
7 20	16 49.42	− 4 36.6	2.106	2.882	15.3	21.5
33522 Chizumimaeta			6 10.9 1°.75	0°.6/10.9 18		
5 11	17 43.54	−22 5.4	1.194	2.098	16.3	17.7
5 21	17 37.71	−22 47.4	1.135	2.097	11.7	17.4
5 31	17 28.84	−23 31.2	1.097	2.097	6.3	17.1
6 10	17 18.12	−24 13.4	1.082	2.097	0.8	16.7
6 20	17 7.10	−24 51.1	1.091	2.097	5.3	17.0
6 30	16 57.48	−25 23.6	1.123	2.098	10.8	17.3
7 10	16 50.62	−25 51.9	1.177	2.100	15.6	17.6
7 20	16 47.25	−26 17.8	1.248	2.102	19.6	17.9
494176 2016 GS_{174}			6 10.9 71°.77	0°.2/10.9 17		
5 11	17 45.00	−22 30.0	1.394	2.289	15.1	21.1
5 21	17 38.17	−22 52.6	1.346	2.304	10.6	20.8
5 31	17 28.81	−23 14.2	1.320	2.319	5.7	20.6
6 10	17 18.11	−23 33.0	1.320	2.335	0.5	20.2
6 20	17 7.44	−23 48.1	1.344	2.350	4.7	20.6
6 30	16 58.21	−24 0.2	1.394	2.366	9.5	20.9
7 10	16 51.46	−24 11.0	1.467	2.381	13.7	21.2
7 20	16 47.74	−24 22.3	1.559	2.397	17.1	21.5
309133 2006 XU_{34}			6 10.9 31°.68	0°.1/10.9 18		
5 11	17 40.67	−21 52.1	2.199	3.081	10.9	20.1
5 21	17 34.59	−22 22.4	2.129	3.082	7.7	19.9
5 31	17 26.78	−22 53.0	2.085	3.082	4.1	19.7
6 10	17 17.95	−23 22.6	2.068	3.083	0.4	19.4
6 20	17 8.96	−23 50.0	2.079	3.083	3.5	19.7
6 30	17 0.72	−24 15.1	2.117	3.084	7.1	19.9
7 10	16 54.02	−24 38.3	2.181	3.084	10.3	20.1
7 20	16 49.38	−25 0.4	2.267	3.085	13.1	20.3
388617 2007 TO_{7}			6 10.9 163°.25	0°.6/11.0 17		
5 11	17 41.37	−25 27.9	2.331	3.208	10.5	21.8
5 21	17 34.94	−25 24.0	2.263	3.212	7.4	21.6
5 31	17 26.89	−25 16.3	2.220	3.216	4.0	21.4
6 10	17 17.96	−25 4.5	2.204	3.219	0.7	21.2
6 20	17 8.98	−24 49.1	2.217	3.222	3.3	21.4
6 30	17 0.83	−24 31.5	2.258	3.224	6.8	21.6
7 10	16 54.22	−24 13.9	2.325	3.226	9.9	21.8
7 20	16 49.61	−23 58.1	2.414	3.228	12.5	22.0
25151 Stefanschröder			6 10.9 229°.61	4°.1/ 9.8 18		
5 11	17 39.85	−11 27.5	2.404	3.274	10.5	19.1
5 21	17 33.84	−10 53.3	2.323	3.262	7.9	19.0
5 31	17 26.32	−10 24.0	2.268	3.250	5.3	18.8
6 10	17 17.92	−10 1.6	2.240	3.237	4.1	18.7
6 20	17 9.37	− 9 47.6	2.240	3.224	5.4	18.7
6 30	17 1.45	− 9 43.1	2.267	3.210	8.1	18.9
7 10	16 54.84	− 9 48.3	2.319	3.195	10.9	19.0
7 20	16 50.01	−10 2.6	2.393	3.180	13.4	19.2
91711 1999 TP_{150}			6 10.9 75°.71	2°.8/10.1 18		
5 11	17 38.70	−16 6.2	2.246	3.128	10.7	19.1
5 21	17 32.93	−15 26.9	2.193	3.142	7.7	18.9
5 31	17 25.74	−14 50.1	2.165	3.157	4.6	18.8
6 10	17 17.86	−14 17.7	2.164	3.172	2.8	18.7
6 20	17 10.05	−13 51.2	2.192	3.186	4.5	18.8
6 30	17 3.07	−13 32.2	2.246	3.201	7.5	19.0
7 10	16 57.53	−13 21.2	2.325	3.215	10.3	19.2
7 20	16 53.82	−13 18.3	2.426	3.230	12.7	19.4
475681 2006 VY_{64}			6 10.9 206°.47	0°.3/10.8 18		
5 11	17 39.61	−22 23.1	2.582	3.460	9.6	22.4
5 21	17 33.62	−22 17.4	2.505	3.455	6.8	22.2
5 31	17 26.18	−22 10.3	2.454	3.451	3.6	22.0
6 10	17 17.92	−22 1.7	2.431	3.446	0.4	21.7
6 20	17 9.56	−21 52.1	2.437	3.441	3.1	21.9
6 30	17 1.86	−21 42.6	2.471	3.435	6.3	22.1
7 10	16 55.47	−21 34.3	2.531	3.430	9.3	22.3
7 20	16 50.84	−21 28.6	2.614	3.423	11.8	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
123174 2000 TU_{61}			6 10.9 216°.89	3°.2/11.0 18		
	h m	° ′			°	m
5 11	17 45.59	−30 7.5	2.067	2.938	11.9	20.0
5 21	17 38.41	−30 57.4	1.989	2.932	8.8	19.8
5 31	17 28.99	−31 41.8	1.937	2.925	5.5	19.6
6 10	17 18.16	−32 17.2	1.911	2.918	3.2	19.5
6 20	17 7.01	−32 41.6	1.914	2.910	4.9	19.5
6 30	16 56.69	−32 54.9	1.944	2.903	8.2	19.7
7 10	16 48.25	−32 59.3	1.999	2.894	11.5	19.9
7 20	16 42.34	−32 58.0	2.076	2.885	14.4	20.1
62152 2000 SC_{21}			6 10.9 291°.17	0°.2/10.9 18		
5 11	17 41.56	−23 30.2	1.657	2.549	13.2	18.4
5 21	17 35.72	−23 16.1	1.580	2.537	9.4	18.1
5 31	17 27.58	−22 58.6	1.525	2.524	5.1	17.9
6 10	17 18.05	−22 37.7	1.496	2.511	0.5	17.5
6 20	17 8.27	−22 14.5	1.493	2.498	4.4	17.7
6 30	16 59.48	−21 51.3	1.515	2.486	9.0	18.0
7 10	16 52.72	−21 31.0	1.561	2.473	13.1	18.2
7 20	16 48.63	−21 15.8	1.627	2.461	16.7	18.4
470385 2007 TW_{322}			6 10.9 272°.26	1°.5/11.0 16		
5 11	17 41.91	−26 6.9	1.965	2.849	11.9	21.8
5 21	17 35.76	−26 32.0	1.889	2.840	8.5	21.5
5 31	17 27.53	−26 53.8	1.836	2.832	4.8	21.3
6 10	17 18.05	−27 10.7	1.810	2.824	1.5	21.0
6 20	17 8.32	−27 21.4	1.812	2.815	4.0	21.2
6 30	16 59.43	−27 26.7	1.840	2.807	7.9	21.4
7 10	16 52.33	−27 28.3	1.892	2.798	11.5	21.6
7 20	16 47.63	−27 28.4	1.966	2.790	14.6	21.8
73187 2002 JS			6 10.9 320°.59	7°.5/ 9.5 18		
5 11	17 38.46	− 6 10.3	1.635	2.513	14.2	18.8
5 21	17 33.36	− 5 20.5	1.568	2.503	11.2	18.6
5 31	17 26.24	− 4 42.9	1.522	2.493	8.6	18.4
6 10	17 17.94	− 4 21.6	1.501	2.484	7.5	18.3
6 20	17 9.46	− 4 19.2	1.503	2.475	8.9	18.4
6 30	17 1.86	− 4 36.1	1.530	2.466	11.7	18.5
7 10	16 56.05	− 5 10.9	1.578	2.458	14.8	18.7
7 20	16 52.62	− 6 0.1	1.644	2.450	17.7	18.9
519658 2012 WY_{31}			6 10.9 93°.52	0°.8/10.6 18		
5 11	17 40.21	−22 22.8	2.090	2.975	11.2	20.5
5 21	17 34.20	−21 49.7	2.026	2.979	7.9	20.3
5 31	17 26.51	−21 14.0	1.986	2.984	4.3	20.0
6 10	17 17.96	−20 36.8	1.973	2.988	0.9	19.8
6 20	17 9.41	−20 0.2	1.989	2.992	3.8	20.0
6 30	17 1.77	−19 26.2	2.031	2.997	7.4	20.3
7 10	16 55.76	−18 57.3	2.099	3.001	10.7	20.5
7 20	16 51.82	−18 34.7	2.188	3.005	13.5	20.7
167502 2003 YQ_{90}			6 10.9 286°.24	1°.8/10.9 18		
5 11	17 42.91	−16 33.9	1.892	2.774	12.3	20.2
5 21	17 36.64	−17 3.3	1.797	2.748	9.0	20.0
5 31	17 28.13	−17 39.0	1.727	2.722	5.1	19.7
6 10	17 18.12	−18 20.1	1.683	2.696	1.8	19.4
6 20	17 7.57	−19 5.1	1.667	2.669	4.5	19.5
6 30	16 57.64	−19 52.6	1.678	2.643	8.7	19.7
7 10	16 49.37	−20 41.8	1.714	2.616	12.7	19.9
7 20	16 43.53	−21 32.1	1.771	2.589	16.2	20.1
312490 2008 WA_{126}			6 10.9 266°.31	2°.2/10.7 17		
5 11	17 44.42	−18 4.1	1.439	2.332	14.8	21.5
5 21	17 38.10	−18 0.4	1.358	2.315	10.7	21.2
5 31	17 29.04	−17 59.9	1.300	2.297	6.1	20.9
6 10	17 18.19	−18 2.9	1.266	2.279	2.3	20.6
6 20	17 6.86	−18 9.6	1.257	2.260	5.5	20.7
6 30	16 56.52	−18 21.0	1.274	2.242	10.6	20.9
7 10	16 48.46	−18 37.8	1.312	2.223	15.2	21.2
7 20	16 43.48	−19 0.6	1.370	2.203	19.3	21.4
355106 2006 UR_{12}			6 10.9 261°.30	3°.1/10.2 17		
5 11	17 38.88	−14 58.7	2.225	3.105	10.8	21.6
5 21	17 33.28	−14 29.9	2.145	3.093	7.9	21.4
5 31	17 26.07	−14 4.2	2.091	3.082	4.9	21.2
6 10	17 17.93	−13 43.1	2.064	3.070	3.1	21.0
6 20	17 9.64	−13 28.1	2.064	3.058	4.8	21.1
6 30	17 2.04	−13 20.5	2.092	3.047	7.9	21.3
7 10	16 55.84	−13 20.7	2.144	3.035	11.0	21.5
7 20	16 51.55	−13 28.8	2.217	3.022	13.8	21.6
376866 2001 TU_{190}			6 10.9 252°.74	2°.4/10.2 18		
5 11	17 42.04	−19 35.7	1.713	2.603	13.0	20.3
5 21	17 35.83	−18 42.4	1.642	2.597	9.3	20.1
5 31	17 27.53	−17 47.3	1.595	2.591	5.3	19.8
6 10	17 18.06	−16 53.1	1.574	2.585	2.4	19.6
6 20	17 8.50	−16 2.8	1.579	2.579	5.2	19.8
6 30	16 59.97	−15 20.0	1.611	2.573	9.3	20.0
7 10	16 53.38	−14 47.3	1.667	2.567	13.1	20.2
7 20	16 49.28	−14 25.7	1.742	2.561	16.4	20.4

130092 1999 XD_{13} 6 10.9 288°.86 4°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 40.20	−12 22.6	1.809	2.691	12.8	19.8
5 21	17 34.63	−11 40.0	1.719	2.666	9.6	19.5
5 31	17 26.98	−11 2.1	1.654	2.640	6.4	19.3
6 10	17 18.03	−10 32.2	1.614	2.614	4.8	19.1
6 20	17 8.71	−10 12.7	1.600	2.588	6.7	19.2
6 30	17 0.10	−10 5.5	1.611	2.561	10.2	19.3
7 10	16 53.17	−10 11.4	1.645	2.535	13.8	19.5
7 20	16 48.58	−10 29.5	1.699	2.509	17.1	19.7

203728 2002 QM_{53} 6 10.9 268°.06 2°.2/11.2 18

5 11	17 42.19	−28 53.3	2.008	2.887	11.9	20.4
5 21	17 35.97	−29 7.2	1.926	2.875	8.6	20.2
5 31	17 27.66	−29 14.9	1.869	2.862	5.1	20.0
6 10	17 18.08	−29 14.9	1.838	2.849	2.3	19.8
6 20	17 8.25	−29 6.6	1.834	2.836	4.2	19.9
6 30	16 59.27	−28 51.5	1.857	2.823	7.9	20.1
7 10	16 52.10	−28 32.2	1.905	2.810	11.5	20.2
7 20	16 47.35	−28 11.9	1.973	2.797	14.6	20.4

180120 2003 FD_{50} 6 10.9 23°.48 5°.6/10.7 17

5 11	17 38.48	− 7 41.0	1.742	2.620	13.4	19.5
5 21	17 33.17	− 7 38.0	1.688	2.627	10.3	19.3
5 31	17 26.05	− 7 47.4	1.657	2.636	7.3	19.1
6 10	17 17.95	− 8 10.6	1.650	2.645	5.7	19.1
6 20	17 9.82	− 8 47.1	1.670	2.654	6.9	19.1
6 30	17 2.61	− 9 35.6	1.714	2.664	9.7	19.3
7 10	16 57.13	−10 33.5	1.782	2.675	12.8	19.5
7 20	16 53.86	−11 37.9	1.870	2.686	15.5	19.8

330680 2008 HV_{25} 6 10.9 119°.07 3°.0/10.6 17

5 11	17 42.68	−15 14.4	1.654	2.540	13.5	21.0
5 21	17 36.29	−15 13.0	1.593	2.545	9.8	20.8
5 31	17 27.78	−15 17.2	1.557	2.550	5.8	20.6
6 10	17 18.10	−15 27.4	1.545	2.555	3.0	20.4
6 20	17 8.33	−15 43.8	1.560	2.560	5.3	20.5
6 30	16 59.61	−16 6.2	1.601	2.564	9.2	20.8
7 10	16 52.87	−16 34.2	1.665	2.568	13.0	21.0
7 20	16 48.66	−17 7.2	1.750	2.572	16.2	21.2

334401 2002 CA_{269} 6 10.9 351°.11 5°.5/12.2 17

5 11	17 44.03	−36 44.3	1.541	2.416	15.0	19.9
5 21	17 37.75	−36 52.3	1.475	2.413	11.5	19.7
5 31	17 28.73	−36 44.2	1.431	2.411	8.0	19.5
6 10	17 18.18	−36 17.3	1.410	2.409	5.6	19.3
6 20	17 7.56	−35 31.7	1.415	2.408	6.6	19.4
6 30	16 58.37	−34 31.7	1.444	2.407	10.0	19.6
7 10	16 51.76	−33 23.9	1.495	2.407	13.6	19.8
7 20	16 48.33	−32 15.3	1.567	2.406	17.0	20.0

102760 1999 VG_{132} 6 10.9 217°.29 0°.9/10.8 18 R

5 11	17 44.10	−21 5.4	1.862	2.745	12.4	21.1
5 21	17 37.28	−20 58.2	1.785	2.738	8.9	20.8
5 31	17 28.35	−20 50.1	1.733	2.730	4.8	20.6
6 10	17 18.16	−20 41.2	1.707	2.721	1.0	20.3
6 20	17 7.77	−20 32.1	1.708	2.712	4.2	20.5
6 30	16 58.29	−20 24.1	1.737	2.703	8.4	20.7
7 10	16 50.68	−20 19.0	1.790	2.692	12.3	21.0
7 20	16 45.54	−20 18.2	1.864	2.682	15.5	21.1

174529 2003 EF_{21} 6 10.9 15°.43 5°.8/ 9.9 17

5 11	17 37.24	− 9 30.7	1.686	2.572	13.4	19.1
5 21	17 32.34	− 8 51.7	1.632	2.576	10.2	18.9
5 31	17 25.62	− 8 22.5	1.600	2.582	7.2	18.7
6 10	17 17.93	− 8 5.9	1.593	2.587	5.8	18.6
6 20	17 10.21	− 8 3.6	1.611	2.594	7.2	18.7
6 30	17 3.45	− 8 15.9	1.653	2.601	10.2	18.9
7 10	16 58.42	− 8 41.6	1.718	2.609	13.3	19.1
7 20	16 55.61	− 9 18.2	1.802	2.618	16.0	19.3

4739 Tomahrens 6 10.9 177°.37 0°.9/10.7 18

5 11	17 41.30	−20 53.3	2.037	2.921	11.5	17.7
5 21	17 35.08	−20 44.1	1.969	2.922	8.2	17.5
5 31	17 27.07	−20 34.4	1.925	2.922	4.4	17.2
6 10	17 18.06	−20 24.4	1.908	2.923	1.0	17.0
6 20	17 8.96	−20 14.9	1.919	2.923	3.9	17.2
6 30	17 0.74	−20 7.0	1.957	2.923	7.6	17.4
7 10	16 54.18	−20 2.1	2.020	2.922	11.1	17.6
7 20	16 49.80	−20 1.3	2.104	2.922	14.0	17.8

219700 2001 XS_{26} 6 10.9 174°.38 1°.6/11.2 18

5 11	17 44.18	−28 2.6	2.433	3.302	10.4	21.0
5 21	17 36.94	−28 10.8	2.361	3.305	7.5	20.8
5 31	17 28.01	−28 13.6	2.316	3.308	4.3	20.6
6 10	17 18.14	−28 10.0	2.298	3.310	1.6	20.4
6 20	17 8.20	−28 0.0	2.310	3.312	3.5	20.6
6 30	16 59.08	−27 44.9	2.350	3.312	6.7	20.8
7 10	16 51.55	−27 27.0	2.416	3.312	9.7	21.0
7 20	16 46.08	−27 8.8	2.506	3.312	12.3	21.1

383201 2005 YX_{36} 6 10.9 176°.92 9°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	18 0.75	−57 54.2	2.647	3.380	13.3	21.4
5 21	17 49.22	−58 23.0	2.578	3.383	11.9	21.3
5 31	17 34.70	−58 28.3	2.530	3.385	10.7	21.2
6 10	17 18.69	−58 5.1	2.505	3.386	9.9	21.2
6 20	17 2.96	−57 12.3	2.504	3.387	9.9	21.2
6 30	16 49.22	−55 53.1	2.529	3.387	10.7	21.2
7 10	16 38.60	−54 14.7	2.577	3.386	12.0	21.3
7 20	16 31.60	−52 25.4	2.647	3.384	13.4	21.4

299993 2006 US_{19} 6 10.9 201°.83 4°.0/11.5 18

5 11	17 43.02	−35 8.7	2.423	3.282	10.8	21.5
5 21	17 36.33	−35 39.1	2.349	3.280	8.2	21.3
5 31	17 27.77	−36 0.3	2.300	3.277	5.7	21.1
6 10	17 18.13	−36 10.0	2.277	3.274	4.1	21.0
6 20	17 8.32	−36 7.3	2.283	3.271	5.0	21.1
6 30	16 59.33	−35 53.3	2.315	3.267	7.4	21.2
7 10	16 52.01	−35 30.9	2.373	3.264	10.1	21.4
7 20	16 46.90	−35 3.8	2.453	3.260	12.6	21.6

283197 2010 CT_{170} 6 10.9 245°.30 6°.4/ 9.3 18

5 11	17 39.68	− 6 16.0	2.082	2.946	12.1	21.0
5 21	17 33.91	− 5 28.0	2.007	2.935	9.6	20.8
5 31	17 26.46	− 4 49.3	1.956	2.923	7.3	20.6
6 10	17 18.03	− 4 23.3	1.931	2.912	6.4	20.5
6 20	17 9.43	− 4 12.2	1.933	2.899	7.6	20.6
6 30	17 1.55	− 4 16.8	1.960	2.887	10.1	20.7
7 10	16 55.12	− 4 36.3	2.010	2.874	12.8	20.9
7 20	16 50.69	− 5 8.8	2.080	2.861	15.3	21.0

508018 2015 BF_{355} 6 10.9 21°.49 4°.9/ 9.5 17

5 11	17 39.80	−15 17.0	1.425	2.323	14.6	20.6
5 21	17 34.38	−14 2.0	1.372	2.328	10.7	20.4
5 31	17 26.78	−12 50.4	1.341	2.333	6.8	20.2
6 10	17 18.05	−11 47.0	1.335	2.339	4.9	20.1
6 20	17 9.36	−10 56.2	1.354	2.346	7.1	20.2
6 30	17 1.89	−10 21.0	1.396	2.353	10.9	20.5
7 10	16 56.54	−10 2.5	1.460	2.360	14.6	20.7
7 20	16 53.81	− 9 59.7	1.543	2.368	17.8	20.9

64051 2001 SP_{252} 6 10.9 350°.79 0°.3/10.9 18

5 11	17 40.18	−23 42.2	1.905	2.793	12.0	18.9
5 21	17 34.47	−23 50.1	1.836	2.791	8.5	18.6
5 31	17 26.82	−23 55.9	1.792	2.790	4.6	18.4
6 10	17 18.06	−23 58.9	1.774	2.789	0.5	18.1
6 20	17 9.16	−23 59.2	1.782	2.788	3.8	18.3
6 30	17 1.17	−23 57.6	1.817	2.787	7.8	18.6
7 10	16 54.94	−23 55.8	1.877	2.786	11.4	18.8
7 20	16 51.03	−23 55.5	1.957	2.786	14.5	19.0

79077 4122 $T\text{-}_3$ 6 10.9 149°.88 0°.3/10.9 18

5 11	17 45.05	−22 4.3	1.786	2.669	12.9	20.3
5 21	17 37.91	−22 8.8	1.724	2.677	9.1	20.1
5 31	17 28.65	−22 12.0	1.687	2.684	4.9	19.9
6 10	17 18.22	−22 13.4	1.676	2.691	0.5	19.6
6 20	17 7.74	−22 13.1	1.692	2.697	4.1	19.9
6 30	16 58.35	−22 12.0	1.735	2.702	8.3	20.1
7 10	16 50.97	−22 12.0	1.803	2.707	12.1	20.4
7 20	16 46.14	−22 14.5	1.892	2.712	15.2	20.6

335156 2004 XH_{64} 6 10.9 248°.67 1°.3/11.3 17

5 11	17 43.27	−28 14.0	2.019	2.896	11.9	21.0
5 21	17 36.65	−27 51.9	1.935	2.884	8.6	20.7
5 31	17 28.00	−27 22.1	1.876	2.871	4.8	20.5
6 10	17 18.17	−26 44.2	1.844	2.858	1.4	20.2
6 20	17 8.19	−25 59.6	1.840	2.845	3.9	20.4
6 30	16 59.14	−25 11.3	1.864	2.831	7.8	20.6
7 10	16 51.91	−24 23.2	1.912	2.817	11.5	20.8
7 20	16 47.07	−23 38.8	1.982	2.802	14.6	20.9

499826 2011 DS_{22} 6 10.9 164°.19 8°.0/ 9.5 17

5 11	17 40.43	− 2 59.5	1.846	2.704	13.7	21.2
5 21	17 34.49	− 2 9.5	1.787	2.706	11.1	21.0
5 31	17 26.76	− 1 33.5	1.751	2.708	8.9	20.9
6 10	17 18.07	− 1 15.1	1.740	2.709	8.0	20.8
6 20	17 9.32	− 1 16.3	1.754	2.711	9.0	20.9
6 30	17 1.45	− 1 37.1	1.793	2.712	11.3	21.0
7 10	16 55.24	− 2 15.2	1.854	2.713	13.9	21.2
7 20	16 51.21	− 3 7.2	1.933	2.713	16.3	21.4

162497 2000 QW_{26} 6 10.9 202°.44 2°.6/11.4 17

5 11	17 47.02	−29 57.5	1.736	2.613	13.5	20.0
5 21	17 39.58	−30 1.7	1.663	2.609	9.9	19.7
5 31	17 29.67	−29 57.0	1.613	2.605	5.8	19.5
6 10	17 18.32	−29 41.4	1.590	2.601	2.6	19.3
6 20	17 6.81	−29 15.2	1.593	2.595	4.8	19.4
6 30	16 56.48	−28 41.0	1.623	2.589	8.9	19.6
7 10	16 48.40	−28 3.3	1.677	2.583	12.8	19.8
7 20	16 43.22	−27 26.5	1.752	2.575	16.1	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
59728 1999 KW_{15}			6 10.9 48°.26	4°.4/ 9.6 18		
	h m	° ′			°	m
5 11	17 41.33	−15 56.3	1.550	2.443	13.9	18.3
5 21	17 35.31	−14 40.1	1.496	2.450	10.2	18.1
5 31	17 27.24	−13 26.1	1.465	2.457	6.4	17.9
6 10	17 18.11	−12 18.8	1.459	2.464	4.4	17.8
6 20	17 9.06	−11 22.5	1.480	2.472	6.6	17.9
6 30	17 1.19	−10 40.6	1.525	2.479	10.3	18.1
7 10	16 55.37	−10 14.3	1.593	2.487	13.9	18.4
7 20	16 52.06	−10 3.2	1.679	2.495	17.0	18.6
479214 2013 CD_{156}			6 10.9 214°.99	6°.2/12.3 18		
5 11	17 44.73	−43 10.8	2.556	3.385	11.3	21.1
5 21	17 37.64	−43 43.7	2.481	3.380	9.2	20.9
5 31	17 28.52	−44 2.9	2.430	3.376	7.3	20.8
6 10	17 18.23	−44 5.3	2.404	3.371	6.2	20.7
6 20	17 7.79	−43 49.9	2.406	3.367	6.7	20.7
6 30	16 58.29	−43 18.2	2.433	3.362	8.3	20.8
7 10	16 50.62	−42 34.2	2.485	3.356	10.4	21.0
7 20	16 45.35	−41 42.6	2.560	3.351	12.5	21.1
186956 2004 RC_{77}			6 10.9 254°.60	1°.0/10.7 18		
5 11	17 38.77	−19 41.3	2.624	3.502	9.4	20.7
5 21	17 33.11	−19 40.6	2.538	3.488	6.7	20.5
5 31	17 26.00	−19 40.5	2.478	3.474	3.7	20.3
6 10	17 18.03	−19 41.1	2.445	3.459	1.0	20.1
6 20	17 9.88	−19 42.6	2.442	3.444	3.3	20.2
6 30	17 2.29	−19 45.5	2.466	3.429	6.4	20.4
7 10	16 55.92	−19 50.6	2.517	3.414	9.4	20.6
7 20	16 51.24	−19 58.5	2.590	3.398	11.9	20.7
478150 2011 UR_{155}			6 10.9 293°.70	0°.7/10.9 18		
5 11	17 41.22	−23 19.4	2.050	2.934	11.4	21.0
5 21	17 35.28	−23 53.3	1.967	2.919	8.2	20.8
5 31	17 27.35	−24 27.2	1.908	2.905	4.5	20.5
6 10	17 18.15	−24 59.2	1.876	2.890	0.8	20.2
6 20	17 8.61	−25 27.9	1.871	2.876	3.8	20.4
6 30	16 59.78	−25 52.8	1.894	2.862	7.7	20.6
7 10	16 52.58	−26 14.6	1.942	2.848	11.3	20.8
7 20	16 47.64	−26 34.6	2.011	2.833	14.4	21.0
497980 2007 CM_{45}			6 10.9 65°.58	2°.8/10.7 17		
5 11	17 42.65	−15 59.2	1.522	2.413	14.2	20.7
5 21	17 36.34	−16 1.3	1.472	2.426	10.2	20.5
5 31	17 27.84	−16 8.8	1.444	2.439	5.9	20.3
6 10	17 18.18	−16 21.9	1.442	2.453	2.8	20.1
6 20	17 8.54	−16 40.3	1.465	2.466	5.2	20.3
6 30	17 0.11	−17 3.9	1.514	2.480	9.4	20.6
7 10	16 53.80	−17 32.2	1.585	2.493	13.2	20.9
7 20	16 50.14	−18 4.7	1.677	2.507	16.4	21.1
106257 2000 UJ_{58}			6 10.9 281°.07	4°.5/11.5 18		
5 11	17 45.73	−32 17.9	1.413	2.299	15.5	19.9
5 21	17 39.32	−32 45.8	1.338	2.286	11.6	19.6
5 31	17 29.82	−33 3.0	1.285	2.274	7.4	19.4
6 10	17 18.37	−33 5.2	1.256	2.262	4.5	19.2
6 20	17 6.51	−32 50.9	1.251	2.250	6.4	19.2
6 30	16 55.94	−32 22.2	1.270	2.238	10.7	19.4
7 10	16 48.09	−31 44.7	1.312	2.225	15.0	19.7
7 20	16 43.72	−31 4.7	1.372	2.213	18.8	19.9
216027 2005 VS_{115}			6 10.9 333°.29	5°.4/11.0 18		
5 11	17 40.68	−33 38.0	1.628	2.511	13.9	19.2
5 21	17 35.58	−34 37.1	1.548	2.492	10.6	18.9
5 31	17 27.78	−35 28.2	1.490	2.473	7.3	18.7
6 10	17 18.20	−36 6.3	1.456	2.456	5.4	18.5
6 20	17 8.10	−36 28.1	1.447	2.439	6.8	18.5
6 30	16 58.95	−36 33.6	1.463	2.423	10.2	18.7
7 10	16 52.06	−36 25.8	1.500	2.408	13.8	18.9
7 20	16 48.24	−36 9.5	1.557	2.394	17.2	19.1
281564 Fuhsiehhai			6 10.9 240°.40	0°.1/10.9 17		
5 11	17 42.25	−22 18.8	1.902	2.788	12.1	20.2
5 21	17 36.00	−22 37.7	1.830	2.784	8.6	19.9
5 31	17 27.71	−22 56.3	1.782	2.780	4.6	19.7
6 10	17 18.20	−23 13.3	1.760	2.775	0.4	19.3
6 20	17 8.49	−23 28.1	1.766	2.771	3.9	19.6
6 30	16 59.65	−23 40.8	1.799	2.767	8.0	19.8
7 10	16 52.60	−23 52.7	1.856	2.762	11.7	20.1
7 20	16 47.95	−24 5.0	1.934	2.758	14.8	20.3
222618 2001 XZ_{79}			6 10.9 259°.42	4°.3/ 9.6 18		
5 11	17 41.61	−14 51.4	1.789	2.673	12.8	20.1
5 21	17 35.54	−13 48.5	1.712	2.661	9.4	19.8
5 31	17 27.45	−12 47.4	1.658	2.648	6.1	19.6
6 10	17 18.18	−11 51.7	1.632	2.635	4.3	19.4
6 20	17 8.73	−11 4.8	1.631	2.622	6.3	19.5
6 30	17 0.17	−10 29.8	1.657	2.608	9.9	19.7
7 10	16 53.40	−10 8.3	1.706	2.594	13.5	19.9
7 20	16 48.99	−10 0.4	1.775	2.580	16.6	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
306660 2000 SS_{224}			6 10.9 274°.01	4°.5/ 9.7 18		
	h m	° ′			°	m
5 11	17 38.28	−11 22.9	2.200	3.076	11.1	20.6
5 21	17 32.88	−10 40.9	2.123	3.065	8.4	20.4
5 31	17 25.91	−10 4.3	2.072	3.054	5.7	20.3
6 10	17 18.05	− 9 35.4	2.047	3.043	4.5	20.2
6 20	17 10.05	− 9 16.2	2.049	3.032	5.9	20.2
6 30	17 2.72	− 9 7.9	2.077	3.021	8.6	20.4
7 10	16 56.79	− 9 10.9	2.129	3.010	11.5	20.5
7 20	16 52.72	− 9 24.2	2.203	2.999	14.1	20.7
274081 2008 AB_{33}			6 10.9 263°.17	3°.0/10.7 18		
5 11	17 43.37	−15 41.3	1.546	2.435	14.2	20.6
5 21	17 37.16	−15 41.0	1.470	2.423	10.3	20.3
5 31	17 28.49	−15 46.5	1.416	2.411	6.1	20.0
6 10	17 18.29	−15 58.3	1.388	2.398	3.0	19.8
6 20	17 7.73	−16 16.5	1.385	2.386	5.6	19.9
6 30	16 58.12	−16 41.1	1.408	2.373	10.0	20.2
7 10	16 50.59	−17 11.7	1.453	2.360	14.3	20.4
7 20	16 45.87	−17 47.9	1.518	2.347	17.9	20.6
51031 2000 GB_{116}			6 10.9 231°.76	2°.4/11.4 18		
5 11	17 45.03	−29 40.2	1.838	2.716	12.8	19.0
5 21	17 38.15	−29 47.5	1.760	2.707	9.4	18.8
5 31	17 28.93	−29 46.9	1.705	2.698	5.6	18.6
6 10	17 18.33	−29 36.7	1.677	2.688	2.5	18.3
6 20	17 7.49	−29 16.6	1.676	2.678	4.6	18.5
6 30	16 57.68	−28 48.8	1.701	2.668	8.5	18.7
7 10	16 49.94	−28 17.1	1.751	2.657	12.3	18.9
7 20	16 44.89	−27 45.4	1.822	2.645	15.6	19.1
128012 2003 JV_{9}			6 10.9 325°.70	0°.2/10.9 18		
5 11	17 38.64	−22 28.6	1.825	2.718	12.2	19.5
5 21	17 33.58	−22 32.6	1.745	2.702	8.7	19.3
5 31	17 26.48	−22 35.7	1.688	2.687	4.7	19.0
6 10	17 18.12	−22 37.3	1.657	2.672	0.4	18.6
6 20	17 9.49	−22 37.7	1.652	2.657	4.0	18.9
6 30	17 1.66	−22 37.6	1.673	2.643	8.2	19.1
7 10	16 55.59	−22 38.6	1.717	2.630	12.1	19.3
7 20	16 51.89	−22 42.1	1.782	2.618	15.4	19.5
244495 2002 TB_{76}			6 10.9 317°.58	6°.7/11.6 18		
5 11	17 43.01	−37 50.0	1.610	2.482	14.7	19.6
5 21	17 37.38	−38 34.0	1.527	2.460	11.6	19.4
5 31	17 28.82	−39 4.7	1.465	2.439	8.6	19.2
6 10	17 18.34	−39 16.7	1.426	2.418	6.8	19.0
6 20	17 7.32	−39 7.3	1.412	2.397	7.8	19.0
6 30	16 57.41	−38 37.8	1.422	2.377	10.9	19.1
7 10	16 49.99	−37 53.5	1.454	2.358	14.4	19.3
7 20	16 45.89	−37 1.1	1.504	2.339	17.8	19.5
125491 2001 WJ_{28}			6 10.9 165°.50	2°.0/10.6 17		
5 11	17 42.70	−17 30.0	2.123	3.001	11.3	20.6
5 21	17 35.99	−17 22.0	2.057	3.006	8.1	20.4
5 31	17 27.57	−17 16.1	2.016	3.010	4.6	20.2
6 10	17 18.21	−17 12.8	2.002	3.014	2.0	20.0
6 20	17 8.78	−17 12.6	2.017	3.017	4.2	20.2
6 30	17 0.21	−17 16.2	2.059	3.020	7.7	20.4
7 10	16 53.24	−17 24.1	2.127	3.022	10.9	20.6
7 20	16 48.36	−17 36.6	2.216	3.023	13.7	20.8
182733 2001 XV_{45}			6 10.9 180°.30	4°.0/11.5 18		
5 11	17 42.88	−34 52.4	2.451	3.311	10.7	20.0
5 21	17 36.24	−35 27.2	2.380	3.311	8.1	19.9
5 31	17 27.77	−35 53.4	2.334	3.311	5.6	19.7
6 10	17 18.23	−36 8.4	2.315	3.311	4.0	19.6
6 20	17 8.54	−36 11.3	2.323	3.311	4.9	19.6
6 30	16 59.66	−36 2.9	2.359	3.311	7.3	19.8
7 10	16 52.41	−35 46.0	2.420	3.310	10.0	20.0
7 20	16 47.33	−35 24.0	2.504	3.310	12.3	20.1
254245 2004 RY_{147}			6 10.9 337°.66	12°.0/11.9 18		R
5 11	17 49.39	−53 54.2	1.971	2.760	15.5	19.4
5 21	17 42.30	−55 20.8	1.905	2.751	13.9	19.3
5 31	17 31.62	−56 25.2	1.859	2.743	12.6	19.2
6 10	17 18.58	−57 0.2	1.835	2.736	12.0	19.1
6 20	17 4.99	−57 1.8	1.832	2.729	12.3	19.1
6 30	16 52.89	−56 31.4	1.851	2.722	13.4	19.2
7 10	16 43.95	−55 35.4	1.890	2.716	15.0	19.3
7 20	16 39.04	−54 22.2	1.946	2.711	16.8	19.4
335059 2004 RK_{169}			6 10.9 259°.60	1°.7/11.2 17		
5 11	17 43.62	−27 14.3	1.925	2.805	12.2	21.5
5 21	17 37.14	−27 28.4	1.839	2.789	8.9	21.3
5 31	17 28.43	−27 37.7	1.777	2.772	5.1	21.0
6 10	17 18.31	−27 40.4	1.742	2.755	1.8	20.7
6 20	17 7.85	−27 35.9	1.734	2.738	4.2	20.9
6 30	16 58.24	−27 25.3	1.753	2.720	8.3	21.1
7 10	16 50.48	−27 11.3	1.796	2.702	12.0	21.3
7 20	16 45.27	−26 56.8	1.861	2.684	15.3	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
121530 1999 UG_{36}			6 10.9 359°.64		0°.4/10.9 18	
	h m	° ′			°	m
5 11	17 41.57	−24 36.9	1.644	2.536	13.3	19.6
5 21	17 35.69	−24 28.6	1.579	2.535	9.5	19.3
5 31	17 27.58	−24 16.3	1.536	2.535	5.1	19.1
6 10	17 18.23	−23 59.8	1.520	2.535	0.6	18.7
6 20	17 8.77	−23 40.0	1.529	2.535	4.2	19.0
6 30	17 0.42	−23 19.0	1.564	2.535	8.7	19.3
7 10	16 54.13	−22 59.7	1.622	2.536	12.6	19.5
7 20	16 50.48	−22 44.3	1.701	2.536	16.0	19.7
343354 2010 CU_{66}			6 10.9 349°.74		5°.2/11.8 17	
5 11	17 43.75	−35 32.7	1.670	2.544	14.1	20.5
5 21	17 37.50	−36 1.0	1.603	2.542	10.8	20.3
5 31	17 28.66	−36 16.5	1.559	2.540	7.4	20.1
6 10	17 18.33	−36 15.9	1.540	2.538	5.3	20.0
6 20	17 7.83	−35 58.2	1.545	2.537	6.4	20.1
6 30	16 58.58	−35 25.8	1.576	2.536	9.6	20.2
7 10	16 51.70	−34 44.0	1.629	2.536	13.0	20.4
7 20	16 47.82	−33 58.2	1.703	2.535	16.1	20.6
435602 2008 SN_{54}			6 10.9 245°.95		2°.7/11.3 18	
5 11	17 44.37	−30 37.1	2.183	3.052	11.4	22.1
5 21	17 37.53	−30 56.8	2.094	3.036	8.4	21.9
5 31	17 28.59	−31 9.6	2.030	3.019	5.2	21.7
6 10	17 18.34	−31 13.4	1.993	3.001	2.8	21.5
6 20	17 7.78	−31 7.3	1.984	2.983	4.4	21.5
6 30	16 57.99	−30 52.3	2.003	2.964	7.8	21.7
7 10	16 49.94	−30 31.4	2.046	2.945	11.1	21.9
7 20	16 44.27	−30 8.0	2.112	2.925	14.1	22.1
423008 2003 SO_{300}			6 10.9 237°.86		0°.1/10.9 17	
5 11	17 45.37	−24 14.4	1.834	2.716	12.7	22.4
5 21	17 38.37	−24 0.6	1.749	2.701	9.1	22.2
5 31	17 29.07	−23 42.4	1.688	2.685	4.9	21.9
6 10	17 18.38	−23 19.7	1.654	2.669	0.4	21.5
6 20	17 7.40	−22 53.2	1.648	2.652	4.2	21.8
6 30	16 57.34	−22 25.3	1.668	2.635	8.6	22.0
7 10	16 49.24	−21 59.0	1.713	2.616	12.6	22.2
7 20	16 43.75	−21 37.2	1.779	2.597	16.1	22.4
442065 2010 RH_{136}			6 10.9 291°.74		3°.4/11.3 18	
5 11	17 41.53	−32 6.6	2.227	3.098	11.2	21.2
5 21	17 35.49	−32 42.0	2.147	3.087	8.3	21.0
5 31	17 27.47	−33 10.6	2.091	3.076	5.4	20.8
6 10	17 18.24	−33 29.8	2.062	3.066	3.5	20.6
6 20	17 8.75	−33 38.2	2.060	3.055	4.7	20.7
6 30	17 0.01	−33 36.5	2.085	3.044	7.7	20.9
7 10	16 52.95	−33 26.9	2.135	3.034	10.7	21.0
7 20	16 48.15	−33 12.6	2.207	3.024	13.4	21.2
512342 2016 MR			6 10.9 304°.21		7°.9/12.3 18	
5 11	17 47.10	−42 34.8	1.754	2.602	14.8	20.7
5 21	17 40.42	−43 2.6	1.652	2.565	12.2	20.5
5 31	17 30.56	−43 12.3	1.571	2.529	9.6	20.2
6 10	17 18.53	−42 57.9	1.514	2.492	8.0	20.0
6 20	17 5.84	−42 16.3	1.481	2.455	8.7	20.0
6 30	16 54.23	−41 9.5	1.473	2.419	11.4	20.1
7 10	16 45.23	−39 44.3	1.488	2.382	14.8	20.2
7 20	16 39.76	−38 9.7	1.522	2.345	18.2	20.3
416407 2003 UP_{140}			6 10.9 203°.12		0°.1/10.9 17	
5 11	17 45.47	−22 41.5	1.952	2.831	12.2	21.7
5 21	17 38.26	−22 48.3	1.875	2.826	8.7	21.5
5 31	17 28.94	−22 53.6	1.824	2.821	4.7	21.3
6 10	17 18.37	−22 56.3	1.799	2.814	0.4	20.9
6 20	17 7.59	−22 56.5	1.803	2.807	3.9	21.2
6 30	16 57.72	−22 55.0	1.834	2.800	8.1	21.4
7 10	16 49.69	−22 53.6	1.890	2.791	11.8	21.6
7 20	16 44.12	−22 54.1	1.968	2.782	14.9	21.8
106114 2000 TC_{27}			6 10.9 279°.18		7°.7/ 8.3 16	
5 11	17 37.72	− 2 0.2	2.228	3.079	11.9	19.8
5 21	17 32.39	− 0 46.6	2.167	3.077	9.8	19.7
5 31	17 25.63	+ 0 15.4	2.130	3.076	8.2	19.6
6 10	17 18.08	+ 1 1.9	2.119	3.074	7.7	19.5
6 20	17 10.48	+ 1 30.2	2.133	3.072	8.7	19.6
6 30	17 3.58	+ 1 39.2	2.172	3.071	10.6	19.7
7 10	16 58.02	+ 1 30.2	2.233	3.069	12.7	19.8
7 20	16 54.23	+ 1 5.3	2.314	3.068	14.7	20.0
237940 2002 QR_{99}			6 10.9 265°.94		3°.1/10.5 17	
5 11	17 40.25	−14 42.8	1.964	2.846	11.9	20.8
5 21	17 34.48	−14 34.1	1.890	2.839	8.7	20.5
5 31	17 26.88	−14 30.3	1.841	2.833	5.3	20.3
6 10	17 18.20	−14 32.4	1.818	2.826	3.1	20.2
6 20	17 9.35	−14 40.8	1.821	2.819	5.0	20.3
6 30	17 1.29	−14 55.9	1.852	2.811	8.4	20.5
7 10	16 54.83	−15 17.4	1.906	2.804	11.8	20.7
7 20	16 50.52	−15 45.0	1.982	2.797	14.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
138103 2000 DK_{90}			6 10.9 212°.88		0°.5/10.9 18	
	h m	° ′			°	m
5 11	17 44.09	−22 10.0	1.890	2.773	12.3	21.0
5 21	17 37.31	−22 3.2	1.814	2.767	8.8	20.8
5 31	17 28.44	−21 54.7	1.763	2.760	4.7	20.5
6 10	17 18.34	−21 44.2	1.738	2.753	0.6	20.2
6 20	17 8.06	−21 32.5	1.741	2.746	4.1	20.5
6 30	16 58.71	−21 20.9	1.771	2.738	8.2	20.7
7 10	16 51.21	−21 11.6	1.826	2.729	12.0	20.9
7 20	16 46.15	−21 6.0	1.902	2.720	15.2	21.1
423526 2005 UP_{122}			6 10.9 109°.25		4°.7/11.3 17	
5 11	17 46.95	−33 39.2	1.782	2.652	13.5	21.5
5 21	17 39.58	−34 31.2	1.725	2.663	10.2	21.3
5 31	17 29.73	−35 13.2	1.691	2.673	6.8	21.1
6 10	17 18.45	−35 40.8	1.683	2.683	4.8	21.0
6 20	17 7.06	−35 52.4	1.701	2.692	6.0	21.1
6 30	16 56.88	−35 49.0	1.746	2.702	9.1	21.3
7 10	16 49.02	−35 34.8	1.814	2.711	12.4	21.5
7 20	16 44.07	−35 14.6	1.903	2.720	15.3	21.7
137447 1999 TN_{254}			6 10.9 264°.83		2°.0/10.9 18	
5 11	17 46.96	−25 3.3	1.656	2.539	13.7	20.0
5 21	17 39.99	−25 59.4	1.569	2.520	10.0	19.7
5 31	17 30.22	−26 55.8	1.505	2.501	5.7	19.4
6 10	17 18.52	−27 48.2	1.468	2.481	2.0	19.1
6 20	17 6.15	−28 33.1	1.458	2.461	5.0	19.3
6 30	16 54.60	−29 8.9	1.474	2.440	9.6	19.5
7 10	16 45.19	−29 36.8	1.514	2.419	13.9	19.7
7 20	16 38.84	−29 59.4	1.574	2.397	17.6	19.9
196522 2003 OJ_{10}			6 10.9 227°.48		5°.1/10.1 18	
5 11	17 40.69	− 8 9.9	2.227	3.092	11.4	20.4
5 21	17 34.61	− 7 49.1	2.150	3.082	8.8	20.2
5 31	17 26.89	− 7 36.9	2.097	3.072	6.3	20.0
6 10	17 18.22	− 7 35.1	2.070	3.061	5.1	19.9
6 20	17 9.37	− 7 44.8	2.071	3.050	6.3	20.0
6 30	17 1.19	− 8 6.1	2.099	3.038	8.9	20.1
7 10	16 54.40	− 8 38.0	2.151	3.026	11.7	20.3
7 20	16 49.52	− 9 18.9	2.225	3.013	14.2	20.4
346756 2009 BX_{37}			6 10.9 193°.61		0°.3/10.9 17	
5 11	17 41.08	−22 5.9	2.087	2.970	11.3	21.7
5 21	17 35.00	−22 9.1	2.017	2.970	8.0	21.5
5 31	17 27.13	−22 11.3	1.972	2.969	4.3	21.2
6 10	17 18.24	−22 12.3	1.953	2.968	0.5	20.9
6 20	17 9.24	−22 12.0	1.963	2.967	3.6	21.2
6 30	17 1.06	−22 11.5	1.999	2.966	7.4	21.4
7 10	16 54.51	−22 11.9	2.061	2.965	10.8	21.6
7 20	16 50.09	−22 14.5	2.144	2.964	13.7	21.8
2137 Priscilla			6 10.9 161°.11		4°.3/12.1 18	
5 11	17 42.53	−37 31.9	2.488	3.340	10.8	16.4
5 21	17 35.93	−37 42.5	2.417	3.342	8.3	16.2
5 31	17 27.58	−37 41.9	2.372	3.343	5.9	16.1
6 10	17 18.28	−37 28.3	2.352	3.345	4.4	16.0
6 20	17 8.94	−37 1.9	2.360	3.346	5.0	16.0
6 30	17 0.51	−36 24.4	2.396	3.347	7.3	16.2
7 10	16 53.75	−35 39.7	2.457	3.349	9.8	16.3
7 20	16 49.15	−34 51.6	2.541	3.350	12.1	16.5
160569 1998 VD_{1}			6 10.9 271°.48		3°.4/10.9 18	
5 11	17 45.78	−30 14.2	2.131	3.000	11.7	19.7
5 21	17 38.80	−31 13.0	2.035	2.976	8.7	19.5
5 31	17 29.45	−32 7.9	1.964	2.951	5.5	19.3
6 10	17 18.47	−32 54.9	1.921	2.926	3.4	19.1
6 20	17 6.89	−33 31.1	1.906	2.901	5.1	19.1
6 30	16 55.92	−33 55.3	1.918	2.875	8.4	19.3
7 10	16 46.67	−34 9.3	1.956	2.848	11.8	19.4
7 20	16 39.94	−34 16.1	2.015	2.822	14.9	19.6
21964 Kevinhousen			6 10.9 153°.72		5°.1/ 9.4 18	
5 11	17 37.56	− 8 18.5	2.445	3.311	10.5	18.9
5 21	17 32.19	− 7 30.4	2.381	3.313	8.1	18.8
5 31	17 25.50	− 6 49.4	2.343	3.314	5.9	18.6
6 10	17 18.11	− 6 18.0	2.331	3.316	5.1	18.6
6 20	17 10.68	− 5 57.8	2.346	3.317	6.1	18.6
6 30	17 3.91	− 5 50.0	2.388	3.319	8.3	18.8
7 10	16 58.39	− 5 54.1	2.454	3.320	10.7	18.9
7 20	16 54.51	− 6 9.0	2.541	3.321	12.9	19.1
50870 2000 GQ_{8}			6 10.9 198°.99		1°.4/11.2 18	
5 11	17 45.04	−26 59.1	1.952	2.830	12.2	20.1
5 21	17 37.99	−27 5.5	1.878	2.827	8.8	19.9
5 31	17 28.81	−27 6.6	1.829	2.824	4.9	19.7
6 10	17 18.41	−27 1.0	1.806	2.820	1.5	19.4
6 20	17 7.84	−26 48.9	1.811	2.815	4.0	19.6
6 30	16 58.24	−26 31.8	1.844	2.810	8.0	19.8
7 10	16 50.56	−26 12.5	1.901	2.804	11.6	20.0
7 20	16 45.37	−25 54.0	1.980	2.798	14.7	20.2

105910 2000 SY_{202} 6 10.9 228°.79 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.83	−22 22.2	2.577	3.454	9.6	21.2
5 21	17 33.90	−22 19.0	2.495	3.446	6.8	21.0
5 31	17 26.49	−22 14.4	2.440	3.436	3.7	20.8
6 10	17 18.21	−22 8.5	2.412	3.427	0.4	20.5
6 20	17 9.79	−22 1.4	2.413	3.417	3.1	20.7
6 30	17 1.99	−21 54.2	2.442	3.407	6.4	20.9
7 10	16 55.50	−21 48.0	2.497	3.396	9.4	21.1
7 20	16 50.77	−21 44.1	2.575	3.385	11.9	21.2

358447 2007 EB_{35} 6 10.9 135°.14 1°.2/11.2 18

5 11	17 40.10	−27 26.5	2.697	3.569	9.4	22.1
5 21	17 33.97	−27 26.0	2.632	3.578	6.7	22.0
5 31	17 26.45	−27 21.0	2.592	3.586	3.8	21.8
6 10	17 18.21	−27 11.2	2.581	3.594	1.2	21.6
6 20	17 9.95	−26 56.9	2.599	3.602	3.0	21.8
6 30	17 2.42	−26 39.4	2.645	3.610	5.9	22.0
7 10	16 56.23	−26 20.5	2.717	3.617	8.7	22.2
7 20	16 51.79	−26 2.1	2.813	3.624	11.0	22.3

105801 2000 SK_{128} 6 10.9 247°.89 3°.7/10.1 18

5 11	17 38.45	−12 56.6	2.289	3.166	10.7	19.6
5 21	17 32.97	−12 25.6	2.217	3.161	7.9	19.4
5 31	17 25.99	−11 59.2	2.170	3.156	5.1	19.2
6 10	17 18.18	−11 39.1	2.149	3.151	3.7	19.1
6 20	17 10.27	−11 26.7	2.156	3.145	5.1	19.2
6 30	17 3.03	−11 23.0	2.190	3.140	7.9	19.3
7 10	16 57.15	−11 28.2	2.248	3.134	10.8	19.5
7 20	16 53.08	−11 41.7	2.328	3.129	13.3	19.7

154578 2003 HL_{54} 6 10.9 45°.28 0°.6/10.8 17

5 11	17 42.11	−22 29.6	1.479	2.375	14.3	20.0
5 21	17 36.12	−22 14.4	1.425	2.384	10.1	19.8
5 31	17 27.84	−21 57.0	1.394	2.393	5.4	19.6
6 10	17 18.34	−21 38.0	1.388	2.403	0.8	19.2
6 20	17 8.86	−21 18.6	1.407	2.413	4.6	19.6
6 30	17 0.66	−21 1.2	1.451	2.423	9.2	19.8
7 10	16 54.70	−20 47.9	1.518	2.434	13.2	20.1
7 20	16 51.48	−20 40.4	1.605	2.444	16.6	20.4

139155 2001 FO_{105} 6 10.9 148°.07 2°.3/11.4 18

5 11	17 46.00	−29 30.2	1.620	2.502	14.0	20.0
5 21	17 38.90	−29 24.5	1.557	2.507	10.2	19.8
5 31	17 29.36	−29 9.5	1.517	2.511	5.9	19.6
6 10	17 18.48	−28 44.1	1.503	2.515	2.4	19.3
6 20	17 7.59	−28 9.4	1.515	2.518	4.7	19.5
6 30	16 58.01	−27 28.6	1.553	2.522	8.9	19.8
7 10	16 50.78	−26 46.5	1.614	2.525	12.9	20.0
7 20	16 46.44	−26 7.2	1.696	2.527	16.2	20.2

355750 2008 HS_{68} 6 10.9 78°.94 0°.4/10.9 16

5 11	17 42.06	−19 29.6	2.308	3.185	10.6	20.5
5 21	17 35.59	−20 15.3	2.241	3.191	7.5	20.3
5 31	17 27.44	−21 3.3	2.201	3.197	4.0	20.1
6 10	17 18.33	−21 51.9	2.189	3.204	0.5	19.8
6 20	17 9.06	−22 39.4	2.206	3.210	3.3	20.1
6 30	17 0.51	−23 24.5	2.251	3.216	6.8	20.3
7 10	16 53.43	−24 7.2	2.323	3.223	9.9	20.5
7 20	16 48.33	−24 47.5	2.418	3.229	12.6	20.7

341169 2007 QD_{14} 6 10.9 269°.00 3°.4/11.5 17

5 11	17 43.22	−32 4.1	1.922	2.797	12.5	21.3
5 21	17 36.86	−32 23.8	1.848	2.791	9.3	21.1
5 31	17 28.29	−32 34.7	1.797	2.785	5.9	20.9
6 10	17 18.41	−32 34.4	1.773	2.779	3.5	20.7
6 20	17 8.33	−32 22.5	1.775	2.773	5.0	20.8
6 30	16 59.25	−32 0.4	1.804	2.767	8.3	21.0
7 10	16 52.14	−31 32.0	1.857	2.761	11.8	21.2
7 20	16 47.62	−31 1.1	1.930	2.755	14.8	21.4

482358 2011 WS_{118} 6 10.9 209°.52 0°.9/11.2 18

5 11	17 40.47	−27 20.6	2.601	3.475	9.7	21.7
5 21	17 34.32	−27 1.9	2.524	3.471	6.9	21.5
5 31	17 26.69	−26 37.9	2.472	3.466	3.8	21.3
6 10	17 18.26	−26 8.6	2.448	3.462	1.0	21.1
6 20	17 9.78	−25 35.1	2.453	3.457	3.1	21.3
6 30	17 2.02	−24 59.3	2.486	3.452	6.2	21.5
7 10	16 55.64	−24 23.6	2.546	3.446	9.1	21.6
7 20	16 51.08	−23 50.3	2.629	3.441	11.7	21.8

483333 2016 PQ_{78} 6 10.9 227°.10 3°.2/12.3 18

5 11	17 44.02	−36 14.6	2.718	3.567	10.1	20.9
5 21	17 36.81	−35 49.2	2.632	3.559	7.6	20.7
5 31	17 28.02	−35 12.2	2.572	3.550	5.1	20.5
6 10	17 18.38	−34 23.0	2.540	3.540	3.3	20.4
6 20	17 8.76	−33 22.9	2.537	3.531	4.1	20.4
6 30	17 0.00	−32 14.7	2.564	3.521	6.5	20.6
7 10	16 52.80	−31 2.6	2.617	3.511	9.2	20.7
7 20	16 47.61	−29 50.6	2.695	3.500	11.6	20.9

171251 2005 MU_{35} 6 10.9 297°.33 3°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 39.38	−11 35.0	2.021	2.899	11.8	20.2
5 21	17 33.88	−11 32.0	1.945	2.889	8.8	19.9
5 31	17 26.60	−11 36.7	1.892	2.878	5.8	19.7
6 10	17 18.27	−11 50.0	1.865	2.868	4.0	19.6
6 20	17 9.72	−12 12.4	1.865	2.857	5.5	19.7
6 30	17 1.88	−12 43.5	1.892	2.847	8.6	19.8
7 10	16 55.55	−13 22.1	1.942	2.837	11.8	20.0
7 20	16 51.27	−14 7.0	2.014	2.827	14.7	20.2

149767 2004 QF_{2} 6 10.9 274°.89 1°.4/10.8 18

5 11	17 39.44	−18 4.3	2.321	3.201	10.4	20.0
5 21	17 33.78	−18 14.2	2.241	3.191	7.4	19.8
5 31	17 26.50	−18 26.7	2.186	3.181	4.2	19.6
6 10	17 18.26	−18 41.5	2.158	3.171	1.4	19.4
6 20	17 9.83	−18 58.5	2.158	3.161	3.7	19.5
6 30	17 2.02	−19 17.5	2.186	3.151	7.0	19.7
7 10	16 55.58	−19 38.7	2.240	3.140	10.2	19.9
7 20	16 51.03	−20 2.3	2.316	3.130	13.0	20.1

347813 2002 NP_{1} 6 10.9 151°.54 29°.3/24.5 17 R

5 11	19 7.14	−68 52.1	0.606	1.399	39.8	18.9
5 21	18 48.68	−70 35.6	0.576	1.413	36.8	18.7
5 31	18 10.40	−71 11.3	0.552	1.426	33.7	18.6
6 10	17 21.93	−69 48.4	0.536	1.436	31.0	18.5
6 20	16 41.01	−66 10.1	0.530	1.444	29.5	18.4
6 30	16 17.02	−60 51.1	0.538	1.450	29.5	18.4
7 10	16 8.15	−54 48.5	0.561	1.453	31.3	18.6
7 20	16 9.64	−48 48.1	0.596	1.454	34.0	18.8

296590 2009 RV_{31} 6 10.9 295°.13 2°.0/11.3 17

5 11	17 43.47	−27 59.4	1.564	2.454	14.0	21.1
5 21	17 37.32	−28 4.5	1.494	2.447	10.2	20.9
5 31	17 28.64	−28 2.6	1.445	2.441	5.8	20.6
6 10	17 18.46	−27 52.1	1.422	2.435	2.1	20.3
6 20	17 8.07	−27 33.2	1.424	2.429	4.7	20.5
6 30	16 58.84	−27 8.1	1.452	2.423	9.2	20.7
7 10	16 51.88	−26 40.7	1.503	2.417	13.4	21.0
7 20	16 47.86	−26 14.9	1.573	2.412	16.9	21.2

177182 2003 SU_{249} 6 10.9 248°.21 1°.7/10.7 18

5 11	17 44.18	−19 41.4	1.691	2.578	13.3	20.5
5 21	17 37.66	−19 26.0	1.609	2.563	9.6	20.2
5 31	17 28.80	−19 10.7	1.552	2.548	5.3	19.9
6 10	17 18.48	−18 56.0	1.520	2.533	1.7	19.6
6 20	17 7.85	−18 43.1	1.514	2.517	4.8	19.8
6 30	16 58.13	−18 33.5	1.535	2.501	9.3	20.0
7 10	16 50.40	−18 29.1	1.580	2.484	13.5	20.2
7 20	16 45.34	−18 31.0	1.644	2.467	17.0	20.4

303904 2005 TF_{151} 6 10.9 154°.22 1°.0/11.1 18

5 11	17 40.55	−25 46.0	2.376	3.254	10.3	21.5
5 21	17 34.52	−26 1.5	2.307	3.256	7.3	21.3
5 31	17 26.87	−26 13.8	2.263	3.258	4.1	21.1
6 10	17 18.30	−26 22.1	2.246	3.260	1.1	20.9
6 20	17 9.64	−26 26.0	2.258	3.262	3.3	21.1
6 30	17 1.71	−26 26.1	2.297	3.263	6.6	21.3
7 10	16 55.26	−26 24.1	2.362	3.264	9.7	21.5
7 20	16 50.76	−26 21.5	2.449	3.266	12.3	21.7

248478 2005 UH_{126} 6 10.9 202°.22 0°.1/10.9 18

5 11	17 39.30	−23 5.8	2.798	3.673	9.0	21.9
5 21	17 33.42	−23 1.7	2.720	3.669	6.4	21.7
5 31	17 26.21	−22 55.7	2.669	3.665	3.4	21.5
6 10	17 18.25	−22 48.0	2.646	3.661	0.3	21.2
6 20	17 10.19	−22 38.8	2.652	3.656	2.9	21.4
6 30	17 2.74	−22 29.1	2.687	3.651	5.9	21.6
7 10	16 56.49	−22 20.1	2.748	3.646	8.6	21.8
7 20	16 51.87	−22 13.0	2.832	3.640	11.0	22.0

82731 2001 PQ_{59} 6 10.9 222°.25 0°.7/10.9 18

5 11	17 41.51	−19 46.9	2.309	3.188	10.6	18.9
5 21	17 35.26	−20 9.9	2.232	3.182	7.5	18.7
5 31	17 27.31	−20 34.5	2.180	3.177	4.1	18.5
6 10	17 18.35	−21 0.0	2.156	3.171	0.7	18.2
6 20	17 9.19	−21 25.4	2.161	3.165	3.4	18.4
6 30	17 0.71	−21 50.4	2.194	3.159	7.0	18.6
7 10	16 53.66	−22 15.4	2.252	3.152	10.2	18.8
7 20	16 48.58	−22 40.7	2.333	3.145	12.9	19.0

262202 2006 SK_{187} 6 10.9 253°.90 4°.9/11.6 17

5 11	17 46.68	−34 8.7	1.645	2.519	14.3	20.9
5 21	17 39.79	−34 40.6	1.568	2.508	10.9	20.7
5 31	17 30.08	−35 1.1	1.514	2.497	7.3	20.4
6 10	17 18.61	−35 6.3	1.484	2.486	4.9	20.3
6 20	17 6.79	−34 54.4	1.480	2.474	6.3	20.3
6 30	16 56.13	−34 27.2	1.502	2.463	9.9	20.5
7 10	16 47.92	−33 50.0	1.546	2.451	13.7	20.7
7 20	16 42.91	−33 8.5	1.610	2.438	17.1	20.9

66722 1999 TC_{107} 6 10.9 229.°22 2.°6/11.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 44.05	−31 19.1	2.050	2.922	12.0	19.1
5 21	17 37.28	−31 12.5	1.971	2.914	8.8	18.9
5 31	17 28.46	−30 56.6	1.917	2.907	5.3	18.7
6 10	17 18.46	−30 30.2	1.889	2.899	2.6	18.5
6 20	17 8.34	−29 54.0	1.889	2.890	4.3	18.6
6 30	16 59.19	−29 10.7	1.917	2.882	7.8	18.8
7 10	16 51.92	−28 24.2	1.969	2.873	11.2	19.0
7 20	16 47.08	−27 38.6	2.043	2.864	14.2	19.1

501533 2014 FV_{39} 6 10.9 95.°98 2.°4/10.5 17

5 11	17 39.68	−16 10.8	2.263	3.143	10.7	21.5
5 21	17 33.76	−15 52.9	2.207	3.156	7.7	21.4
5 31	17 26.39	−15 37.8	2.177	3.169	4.5	21.2
6 10	17 18.27	−15 26.7	2.173	3.182	2.4	21.1
6 20	17 10.17	−15 20.2	2.198	3.195	4.2	21.2
6 30	17 2.88	−15 19.1	2.250	3.208	7.2	21.4
7 10	16 57.03	−15 23.9	2.327	3.221	10.1	21.6
7 20	16 53.03	−15 34.2	2.426	3.233	12.6	21.8

344591 2003 BC_{93} 6 10.9 110.°52 0.°7/10.7 17

5 11	17 40.76	−22 36.6	2.224	3.106	10.8	20.7
5 21	17 34.58	−22 4.1	2.162	3.114	7.6	20.5
5 31	17 26.85	−21 29.1	2.125	3.123	4.1	20.3
6 10	17 18.31	−20 52.6	2.116	3.131	0.8	20.0
6 20	17 9.82	−20 16.4	2.136	3.139	3.5	20.3
6 30	17 2.20	−19 42.6	2.182	3.147	7.0	20.5
7 10	16 56.13	−19 13.2	2.255	3.155	10.2	20.7
7 20	16 52.04	−18 49.8	2.349	3.163	12.8	20.9

279783 1999 TP_{266} 6 10.9 276.°50 1.°5/10.5 17

5 11	17 42.02	−21 32.1	1.870	2.757	12.2	20.3
5 21	17 35.94	−20 48.2	1.784	2.738	8.8	20.0
5 31	17 27.80	−20 0.5	1.721	2.719	4.8	19.8
6 10	17 18.42	−19 10.8	1.685	2.699	1.5	19.5
6 20	17 8.80	−18 21.6	1.677	2.680	4.5	19.7
6 30	17 0.02	−17 36.1	1.695	2.660	8.7	19.9
7 10	16 53.03	−16 57.7	1.738	2.640	12.6	20.1
7 20	16 48.42	−16 28.2	1.801	2.620	15.9	20.2

511235 2014 BF_{14} 6 10.9 171.°98 5.°1/12.3 18

5 11	17 46.36	−39 35.4	2.404	3.246	11.5	22.4
5 21	17 38.77	−39 53.2	2.334	3.249	9.0	22.2
5 31	17 29.19	−39 58.0	2.288	3.252	6.6	22.1
6 10	17 18.53	−39 47.2	2.269	3.254	5.2	22.0
6 20	17 7.84	−39 20.7	2.277	3.256	5.8	22.0
6 30	16 58.17	−38 40.5	2.313	3.257	7.9	22.1
7 10	16 50.39	−37 50.9	2.374	3.258	10.4	22.3
7 20	16 45.02	−36 56.8	2.457	3.258	12.7	22.5

182792 2002 AM_{23} 6 10.9 313.°62 4.°7/10.4 18

5 11	17 38.56	− 9 43.3	2.044	2.919	11.8	19.4
5 21	17 33.24	− 9 28.9	1.972	2.912	9.0	19.2
5 31	17 26.25	− 9 23.1	1.923	2.905	6.2	19.0
6 10	17 18.28	− 9 27.5	1.901	2.898	4.7	18.9
6 20	17 10.15	− 9 42.8	1.905	2.891	6.0	19.0
6 30	17 2.74	−10 8.8	1.936	2.885	8.9	19.1
7 10	16 56.81	−10 44.5	1.990	2.878	11.9	19.3
7 20	16 52.86	−11 28.2	2.065	2.872	14.6	19.5

209575 2004 XV_{63} 6 10.9 319.°46 4.°1/11.0 17

5 11	17 44.11	−29 1.8	1.196	2.096	16.6	19.6
5 21	17 38.63	−29 57.1	1.126	2.083	12.3	19.3
5 31	17 29.76	−30 47.1	1.077	2.071	7.6	19.0
6 10	17 18.62	−31 26.1	1.050	2.060	4.2	18.8
6 20	17 6.89	−31 50.3	1.047	2.049	6.7	18.9
6 30	16 56.48	−31 59.5	1.066	2.038	11.6	19.1
7 10	16 49.00	−31 57.6	1.106	2.028	16.4	19.3
7 20	16 45.38	−31 49.8	1.163	2.019	20.6	19.6

332555 2008 RH_{26} 6 10.9 280.°21 8.°2/ 6.7 17

5 11	17 42.89	− 6 0.0	1.939	2.800	13.0	20.0
5 21	17 36.48	− 3 57.9	1.849	2.771	10.6	19.8
5 31	17 28.10	− 2 0.2	1.785	2.742	8.7	19.6
6 10	17 18.46	− 0 13.8	1.749	2.713	8.3	19.6
6 20	17 8.49	+ 1 14.7	1.739	2.683	10.0	19.6
6 30	16 59.19	+ 2 20.6	1.754	2.653	12.6	19.7
7 10	16 51.48	+ 3 2.3	1.792	2.622	15.5	19.8
7 20	16 45.99	+ 3 20.9	1.848	2.591	18.2	19.9

152262 2005 SY_{148} 6 10.9 232.°81 3.°3/11.4 18

5 11	17 42.14	−32 42.9	2.456	3.321	10.5	20.2
5 21	17 35.79	−33 14.3	2.378	3.315	7.8	20.0
5 31	17 27.64	−33 38.5	2.326	3.309	5.1	19.9
6 10	17 18.43	−33 53.4	2.300	3.303	3.3	19.7
6 20	17 9.01	−33 57.9	2.303	3.296	4.4	19.8
6 30	17 0.32	−33 52.9	2.333	3.290	7.1	19.9
7 10	16 53.18	−33 40.5	2.388	3.283	9.9	20.1
7 20	16 48.14	−33 23.8	2.466	3.276	12.4	20.3

234746 2002 NF_{40} 6 10.9 306.°39 2.°3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 41.88	−29 7.6	1.740	2.626	13.0	20.4
5 21	17 36.10	−29 13.9	1.662	2.614	9.5	20.1
5 31	17 27.98	−29 12.8	1.607	2.601	5.6	19.9
6 10	17 18.46	−29 2.8	1.577	2.589	2.4	19.6
6 20	17 8.68	−28 43.7	1.574	2.577	4.6	19.7
6 30	16 59.89	−28 17.7	1.596	2.566	8.7	20.0
7 10	16 53.14	−27 48.3	1.642	2.554	12.6	20.2
7 20	16 49.09	−27 19.2	1.708	2.543	15.9	20.4

470771 2008 UV_{244} 6 10.9 274.°55 3.°9/11.9 18

5 11	17 45.88	−34 23.8	1.999	2.863	12.5	21.4
5 21	17 38.92	−34 24.8	1.900	2.836	9.5	21.2
5 31	17 29.54	−34 13.8	1.826	2.809	6.3	20.9
6 10	17 18.61	−33 48.4	1.777	2.781	3.9	20.7
6 20	17 7.30	−33 8.2	1.756	2.752	5.2	20.8
6 30	16 56.87	−32 15.6	1.762	2.723	8.7	20.9
7 10	16 48.45	−31 15.8	1.792	2.694	12.3	21.1
7 20	16 42.75	−30 14.2	1.844	2.664	15.6	21.2

168781 2000 RO_{59} 6 10.9 317.°13 1.°7/10.7 18

5 11	17 40.72	−21 33.1	1.152	2.062	16.3	19.6
5 21	17 36.02	−21 0.8	1.077	2.042	11.8	19.2
5 31	17 28.26	−20 25.1	1.022	2.022	6.5	18.9
6 10	17 18.51	−19 47.7	0.989	2.004	1.7	18.5
6 20	17 8.28	−19 11.4	0.980	1.986	5.9	18.7
6 30	16 59.27	−18 40.2	0.993	1.968	11.7	19.0
7 10	16 52.92	−18 17.9	1.025	1.952	17.0	19.2
7 20	16 50.05	−18 6.6	1.074	1.937	21.5	19.4

277782 2006 DX_{210} 6 10.9 295.°61 4.°0/10.3 17

5 11	17 40.24	−13 48.1	1.739	2.626	13.0	20.5
5 21	17 34.69	−13 20.2	1.667	2.617	9.6	20.2
5 31	17 27.14	−12 57.7	1.619	2.609	6.1	20.0
6 10	17 18.40	−12 42.6	1.595	2.600	4.0	19.9
6 20	17 9.46	−12 36.5	1.598	2.592	5.9	20.0
6 30	17 1.40	−12 40.5	1.626	2.584	9.5	20.1
7 10	16 55.12	−12 54.5	1.677	2.575	13.1	20.3
7 20	16 51.20	−13 17.7	1.748	2.567	16.3	20.5

398863 2013 CB_{55} 6 10.9 212.°14 3.°5/11.6 18

5 11	17 41.96	−33 58.8	2.523	3.384	10.4	20.8
5 21	17 35.62	−34 26.2	2.448	3.381	7.8	20.6
5 31	17 27.53	−34 45.5	2.398	3.378	5.2	20.5
6 10	17 18.43	−34 54.8	2.375	3.375	3.6	20.4
6 20	17 9.17	−34 53.3	2.380	3.372	4.5	20.4
6 30	17 0.67	−34 41.9	2.413	3.368	7.0	20.6
7 10	16 53.71	−34 23.2	2.471	3.364	9.7	20.7
7 20	16 48.81	−34 0.2	2.552	3.361	12.1	20.9

477662 2010 NU_{101} 6 10.9 263.°66 5.°8/11.8 18

5 11	17 43.81	−40 11.5	2.415	3.259	11.4	21.2
5 21	17 37.19	−40 54.6	2.337	3.250	9.1	21.0
5 31	17 28.49	−41 26.0	2.284	3.242	7.0	20.9
6 10	17 18.52	−41 42.2	2.256	3.234	5.8	20.8
6 20	17 8.30	−41 41.8	2.255	3.225	6.4	20.8
6 30	16 58.92	−41 25.6	2.280	3.217	8.4	20.9
7 10	16 51.32	−40 57.2	2.330	3.209	10.7	21.0
7 20	16 46.13	−40 20.8	2.401	3.200	13.0	21.2

355181 2006 WO_{89} 6 10.9 153.°79 0.°4/10.9 18

5 11	17 40.24	−20 33.7	3.121	3.991	8.3	21.5
5 21	17 33.95	−20 49.1	3.053	4.000	5.9	21.3
5 31	17 26.47	−21 4.7	3.013	4.008	3.2	21.1
6 10	17 18.34	−21 20.0	3.001	4.016	0.5	20.9
6 20	17 10.15	−21 34.7	3.020	4.024	2.6	21.1
6 30	17 2.52	−21 48.9	3.069	4.031	5.4	21.3
7 10	16 55.98	−22 3.0	3.144	4.037	7.8	21.5
7 20	16 50.93	−22 17.6	3.244	4.043	9.9	21.6

261255 2005 UA_{85} 6 10.9 313.°36 1.°6/11.1 18

5 11	17 40.50	−26 20.5	1.861	2.749	12.2	20.4
5 21	17 35.11	−26 45.0	1.773	2.727	8.9	20.1
5 31	17 27.50	−27 6.6	1.709	2.705	5.0	19.8
6 10	17 18.45	−27 23.2	1.670	2.683	1.7	19.6
6 20	17 9.00	−27 33.8	1.657	2.662	4.2	19.7
6 30	17 0.29	−27 38.5	1.671	2.641	8.3	19.9
7 10	16 53.38	−27 39.3	1.709	2.620	12.2	20.1
7 20	16 48.97	−27 38.5	1.767	2.600	15.6	20.3

371432 2006 SG_{185} 6 10.9 319.°92 4.°3/11.2 17

5 11	17 42.16	−30 6.3	1.209	2.110	16.4	20.5
5 21	17 37.32	−30 47.0	1.131	2.089	12.3	20.2
5 31	17 29.11	−31 20.5	1.074	2.068	7.7	19.9
6 10	17 18.62	−31 41.8	1.038	2.047	4.3	19.6
6 20	17 7.42	−31 47.9	1.026	2.028	6.7	19.7
6 30	16 57.43	−31 39.4	1.036	2.009	11.6	19.9
7 10	16 50.29	−31 20.9	1.066	1.991	16.6	20.1
7 20	16 46.97	−30 58.0	1.112	1.975	20.9	20.3

21256 Robertobattiston 6 10.9 61°.82 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 40.48	−23 9.8	2.093	2.977	11.2	18.6
5 21	17 34.49	−23 12.7	2.041	2.994	7.9	18.4
5 31	17 26.85	−23 13.7	2.014	3.012	4.2	18.2
6 10	17 18.38	−23 12.6	2.014	3.029	0.4	17.9
6 20	17 9.95	−23 9.7	2.042	3.047	3.4	18.2
6 30	17 2.44	−23 6.0	2.096	3.064	7.0	18.5
7 10	16 56.56	−23 2.8	2.176	3.082	10.2	18.7
7 20	16 52.76	−23 1.5	2.277	3.100	12.9	18.9

173878 2001 UN_{38} 6 10.9 218°.28 0°.1/10.9 18

5 11	17 40.60	−23 5.6	2.318	3.198	10.5	21.3
5 21	17 34.60	−23 2.2	2.242	3.193	7.4	21.1
5 31	17 26.97	−22 56.8	2.192	3.189	4.0	20.9
6 10	17 18.40	−22 49.4	2.169	3.184	0.4	20.6
6 20	17 9.71	−22 40.3	2.174	3.179	3.3	20.8
6 30	17 1.76	−22 30.6	2.208	3.174	6.8	21.0
7 10	16 55.27	−22 21.9	2.266	3.168	10.0	21.2
7 20	16 50.73	−22 15.5	2.347	3.163	12.8	21.4

123568 2000 XZ_{35} 6 10.9 313°.54 8°.4/12.7 18

5 11	17 45.96	−42 42.4	1.532	2.389	16.1	18.2
5 21	17 39.72	−43 9.0	1.452	2.371	13.1	18.0
5 31	17 30.23	−43 15.0	1.393	2.354	10.3	17.7
6 10	17 18.71	−42 54.7	1.356	2.336	8.5	17.6
6 20	17 6.83	−42 6.2	1.343	2.320	9.1	17.6
6 30	16 56.43	−40 53.1	1.353	2.304	11.7	17.7
7 10	16 48.94	−39 23.6	1.385	2.288	15.1	17.8
7 20	16 45.11	−37 47.2	1.437	2.273	18.4	18.0

381494 2008 SK_{102} 6 10.9 185°.82 1°.4/10.8 18

5 11	17 41.91	−18 47.0	2.168	3.048	11.1	20.9
5 21	17 35.56	−18 44.8	2.097	3.048	7.9	20.7
5 31	17 27.49	−18 43.9	2.052	3.047	4.4	20.5
6 10	17 18.45	−18 44.5	2.033	3.046	1.5	20.3
6 20	17 9.30	−18 46.9	2.043	3.045	3.9	20.4
6 30	17 0.93	−18 51.7	2.080	3.043	7.4	20.6
7 10	16 54.11	−18 59.5	2.143	3.041	10.7	20.8
7 20	16 49.34	−19 11.0	2.227	3.039	13.5	21.0

219645 2001 UA_{82} 6 10.9 106°.08 3°.3/10.2 18

5 11	17 43.64	−15 17.7	1.967	2.844	12.1	20.6
5 21	17 36.61	−14 38.7	1.920	2.867	8.8	20.4
5 31	17 27.93	−14 3.3	1.899	2.889	5.3	20.2
6 10	17 18.48	−13 33.5	1.904	2.910	3.3	20.1
6 20	17 9.18	−13 10.9	1.938	2.931	5.1	20.3
6 30	17 0.92	−12 56.9	1.998	2.952	8.3	20.5
7 10	16 54.41	−12 51.9	2.083	2.971	11.4	20.8
7 20	16 50.05	−12 55.7	2.189	2.990	14.0	21.0

508900 2003 UX_{317} 6 10.9 257°.56 2°.4/11.3 18

5 11	17 43.52	−29 20.2	2.068	2.943	11.7	22.0
5 21	17 37.06	−29 41.0	1.983	2.928	8.6	21.8
5 31	17 28.47	−29 55.8	1.922	2.913	5.1	21.6
6 10	17 18.55	−30 2.6	1.887	2.897	2.5	21.4
6 20	17 8.32	−30 0.5	1.880	2.881	4.3	21.5
6 30	16 58.89	−29 50.4	1.900	2.865	7.9	21.6
7 10	16 51.23	−29 35.1	1.945	2.848	11.4	21.8
7 20	16 45.99	−29 17.7	2.012	2.831	14.5	22.0

302333 2002 AE_{101} 6 10.9 89°.14 1°.5/11.3 17

5 11	17 46.68	−27 16.1	1.375	2.267	15.5	20.7
5 21	17 39.57	−27 10.3	1.325	2.280	11.1	20.5
5 31	17 29.80	−26 56.8	1.296	2.293	6.1	20.2
6 10	17 18.67	−26 34.8	1.292	2.306	1.7	20.0
6 20	17 7.64	−26 5.7	1.314	2.319	4.8	20.2
6 30	16 58.17	−25 32.8	1.360	2.332	9.6	20.5
7 10	16 51.34	−25 0.7	1.429	2.344	13.9	20.8
7 20	16 47.65	−24 32.8	1.517	2.357	17.4	21.1

238198 2003 SZ_{396} 6 10.9 129°.56 1°.1/11.1 18

5 11	17 43.77	−24 40.4	2.063	2.942	11.6	20.7
5 21	17 37.01	−25 14.5	2.000	2.950	8.3	20.5
5 31	17 28.33	−25 46.6	1.961	2.957	4.5	20.3
6 10	17 18.55	−26 14.6	1.950	2.964	1.2	20.1
6 20	17 8.64	−26 37.4	1.967	2.971	3.7	20.3
6 30	16 59.63	−26 54.8	2.011	2.977	7.4	20.5
7 10	16 52.37	−27 8.4	2.081	2.983	10.8	20.7
7 20	16 47.39	−27 19.8	2.172	2.989	13.6	20.9

125870 2001 XW_{194} 6 10.9 248°.08 1°.9/11.5 18

5 11	17 44.74	−29 53.4	1.924	2.800	12.4	19.8
5 21	17 37.91	−29 32.0	1.841	2.787	9.1	19.6
5 31	17 28.89	−29 1.1	1.781	2.774	5.3	19.3
6 10	17 18.61	−28 20.0	1.749	2.761	2.0	19.1
6 20	17 8.15	−27 30.0	1.744	2.747	4.2	19.2
6 30	16 58.70	−26 34.5	1.766	2.733	8.2	19.4
7 10	16 51.21	−25 38.3	1.813	2.719	11.9	19.6
7 20	16 46.28	−24 45.4	1.882	2.705	15.2	19.8

381883 2010 AL_{72} 6 10.9 172°.65 0°.5/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 43.21	−23 52.9	2.011	2.893	11.7	21.0
5 21	17 36.65	−24 6.0	1.943	2.894	8.4	20.8
5 31	17 28.14	−24 16.9	1.899	2.896	4.5	20.6
6 10	17 18.54	−24 24.6	1.882	2.897	0.6	20.3
6 20	17 8.80	−24 28.9	1.893	2.898	3.7	20.5
6 30	16 59.96	−24 30.3	1.931	2.898	7.6	20.8
7 10	16 52.87	−24 30.7	1.994	2.899	11.1	21.0
7 20	16 48.09	−24 31.7	2.079	2.899	14.1	21.2

439412 2013 CE_{55} 6 10.9 329°.59 5°.2/12.1 18

5 11	17 42.46	−37 40.8	2.024	2.885	12.5	20.4
5 21	17 36.37	−37 59.0	1.950	2.879	9.7	20.2
5 31	17 28.08	−38 4.3	1.900	2.873	7.0	20.0
6 10	17 18.53	−37 54.1	1.874	2.867	5.2	19.9
6 20	17 8.84	−37 28.0	1.875	2.862	6.0	19.9
6 30	17 0.18	−36 48.1	1.901	2.856	8.6	20.1
7 10	16 53.52	−35 58.9	1.952	2.851	11.5	20.2
7 20	16 49.44	−35 5.7	2.024	2.847	14.3	20.4

448062 2008 GT_{24} 6 10.9 305°.57 5°.8/ 9.6 17

5 11	17 37.59	− 7 38.2	2.092	2.964	11.8	21.2
5 21	17 32.58	− 6 56.3	2.015	2.949	9.2	21.0
5 31	17 25.94	− 6 22.9	1.961	2.934	6.9	20.8
6 10	17 18.34	− 6 1.0	1.933	2.919	5.8	20.7
6 20	17 10.56	− 5 52.6	1.931	2.905	7.1	20.8
6 30	17 3.43	− 5 58.5	1.955	2.891	9.6	20.9
7 10	16 57.70	− 6 18.2	2.001	2.877	12.4	21.0
7 20	16 53.88	− 6 49.9	2.068	2.863	15.0	21.2

510775 2013 AY_{56} 6 10.9 108°.24 4°.1/10.8 17

5 11	17 40.12	− 8 28.3	2.485	3.346	10.5	21.8
5 21	17 34.00	− 8 32.8	2.428	3.360	7.9	21.6
5 31	17 26.55	− 8 45.7	2.397	3.373	5.5	21.5
6 10	17 18.40	− 9 7.5	2.393	3.387	4.1	21.4
6 20	17 10.23	− 9 37.9	2.417	3.400	5.1	21.5
6 30	17 2.76	−10 16.1	2.469	3.413	7.5	21.7
7 10	16 56.58	−11 0.8	2.547	3.426	9.9	21.8
7 20	16 52.09	−11 50.2	2.647	3.438	12.1	22.0

151285 2002 AQ_{208} 6 10.9 279°.31 0°.9/11.2 18

5 11	17 40.80	−26 37.2	2.131	3.012	11.2	20.3
5 21	17 34.94	−26 25.0	2.050	3.001	8.0	20.1
5 31	17 27.24	−26 7.5	1.994	2.990	4.4	19.9
6 10	17 18.47	−25 44.4	1.965	2.979	1.0	19.6
6 20	17 9.55	−25 16.6	1.963	2.968	3.6	19.8
6 30	17 1.43	−24 46.2	1.988	2.957	7.3	20.0
7 10	16 54.94	−24 15.8	2.039	2.945	10.8	20.2
7 20	16 50.62	−23 48.1	2.111	2.934	13.7	20.3

472367 2015 BQ_{35} 6 10.9 13°.71 0°.2/10.9 17

5 11	17 42.05	−25 59.9	1.470	2.366	14.4	19.5
5 21	17 36.18	−25 1.9	1.409	2.368	10.2	19.3
5 31	17 27.96	−23 55.5	1.371	2.370	5.5	19.0
6 10	17 18.53	−22 43.0	1.359	2.374	0.5	18.6
6 20	17 9.16	−21 28.8	1.372	2.378	4.6	19.0
6 30	17 1.11	−20 18.3	1.410	2.382	9.3	19.3
7 10	16 55.34	−19 16.4	1.471	2.387	13.5	19.5
7 20	16 52.36	−18 26.1	1.552	2.393	17.1	19.8

164753 1998 UJ_{41} 6 10.9 266°.38 3°.8/11.1 18

5 11	17 44.71	−31 24.3	2.009	2.881	12.2	20.0
5 21	17 38.08	−32 16.0	1.927	2.868	9.1	19.8
5 31	17 29.13	−33 1.6	1.868	2.854	5.9	19.6
6 10	17 18.67	−33 37.6	1.837	2.841	3.8	19.4
6 20	17 7.78	−34 1.3	1.833	2.827	5.3	19.5
6 30	16 57.69	−34 12.7	1.855	2.813	8.5	19.7
7 10	16 49.48	−34 14.1	1.902	2.799	11.9	19.9
7 20	16 43.88	−34 9.1	1.970	2.785	14.9	20.0

190540 2000 RE_{67} 6 10.9 294°.87 11°.0/ 6.9 18

5 11	17 39.60	+ 0 38.2	1.666	2.520	15.2	19.9
5 21	17 34.39	+ 2 17.2	1.591	2.497	13.0	19.7
5 31	17 27.09	+ 3 41.5	1.537	2.474	11.4	19.5
6 10	17 18.48	+ 4 44.0	1.507	2.451	11.1	19.4
6 20	17 9.53	+ 5 19.4	1.499	2.428	12.4	19.4
6 30	17 1.35	+ 5 25.2	1.514	2.406	14.7	19.5
7 10	16 54.89	+ 5 2.9	1.547	2.383	17.3	19.6
7 20	16 50.81	+ 4 16.6	1.598	2.361	19.9	19.8

72610 2001 FJ_{18} 6 10.9 251°.44 2°.9/10.3 17

5 11	17 40.62	−16 52.2	1.902	2.787	12.1	19.5
5 21	17 34.80	−16 16.9	1.833	2.785	8.7	19.2
5 31	17 27.15	−15 43.6	1.789	2.782	5.2	19.0
6 10	17 18.47	−15 14.0	1.771	2.780	2.9	18.9
6 20	17 9.71	−14 50.1	1.779	2.777	5.0	19.0
6 30	17 1.82	−14 33.7	1.815	2.775	8.6	19.2
7 10	16 55.63	−14 25.7	1.874	2.772	12.0	19.4
7 20	16 51.63	−14 26.4	1.953	2.769	15.0	19.6

391352 2006 UY_{228} 6 10.9 229°.32 4°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.94	− 8 49.0	2.598	3.461	10.1	21.0
5 21	17 33.23	− 7 53.1	2.521	3.451	7.8	20.9
5 31	17 26.19	− 7 2.7	2.469	3.440	5.7	20.7
6 10	17 18.40	− 6 20.6	2.445	3.429	4.9	20.6
6 20	17 10.49	− 5 48.8	2.448	3.418	6.0	20.7
6 30	17 3.17	− 5 28.9	2.479	3.406	8.2	20.8
7 10	16 57.03	− 5 21.2	2.535	3.394	10.6	20.9
7 20	16 52.50	− 5 24.8	2.611	3.382	12.8	21.1

410292 2007 TU_{253} 6 10.9 125°.74 3°.4/11.3 16

5 11	17 48.17	−30 11.9	1.591	2.470	14.4	22.1
5 21	17 40.61	−30 46.7	1.534	2.481	10.5	21.9
5 31	17 30.43	−31 13.2	1.500	2.491	6.4	21.7
6 10	17 18.79	−31 27.8	1.492	2.501	3.5	21.5
6 20	17 7.07	−31 29.5	1.510	2.510	5.4	21.6
6 30	16 56.72	−31 19.9	1.554	2.519	9.3	21.9
7 10	16 48.84	−31 3.2	1.622	2.528	13.1	22.1
7 20	16 44.04	−30 43.8	1.709	2.536	16.3	22.4

393831 2005 ST_{87} 6 10.9 285°.01 6°.0/ 9.4 16

5 11	17 37.96	− 6 39.5	2.195	3.061	11.5	21.5
5 21	17 32.73	− 5 50.6	2.125	3.054	9.1	21.4
5 31	17 25.98	− 5 10.7	2.079	3.047	6.9	21.2
6 10	17 18.38	− 4 42.5	2.060	3.040	6.0	21.2
6 20	17 10.67	− 4 28.2	2.066	3.034	7.1	21.2
6 30	17 3.63	− 4 28.7	2.098	3.027	9.4	21.3
7 10	16 57.95	− 4 43.3	2.154	3.020	12.0	21.5
7 20	16 54.10	− 5 10.1	2.230	3.014	14.3	21.6

504079 2006 BM_{72} 6 10.9 227°.59 0°.7/10.9 18

5 11	17 43.25	−20 38.6	2.212	3.089	11.0	22.1
5 21	17 36.63	−20 42.3	2.128	3.078	7.8	21.8
5 31	17 28.17	−20 46.0	2.069	3.065	4.3	21.6
6 10	17 18.59	−20 49.6	2.038	3.052	0.8	21.3
6 20	17 8.77	−20 52.9	2.035	3.039	3.7	21.5
6 30	16 59.65	−20 56.5	2.060	3.024	7.4	21.7
7 10	16 52.06	−21 1.6	2.111	3.009	10.8	21.9
7 20	16 46.59	−21 9.1	2.184	2.994	13.8	22.1

201628 2003 SO_{262} 6 10.9 299°.68 3°.0/11.3 17

5 11	17 43.49	−30 1.1	1.827	2.707	12.8	20.3
5 21	17 37.16	−30 28.9	1.758	2.705	9.4	20.1
5 31	17 28.56	−30 49.8	1.712	2.703	5.7	19.9
6 10	17 18.63	−31 1.2	1.693	2.702	3.0	19.7
6 20	17 8.50	−31 2.1	1.700	2.700	4.8	19.8
6 30	16 59.39	−30 53.8	1.733	2.699	8.4	20.0
7 10	16 52.31	−30 39.2	1.790	2.697	12.0	20.2
7 20	16 47.87	−30 22.0	1.868	2.696	15.1	20.4

389922 2012 TO_{102} 6 10.9 140°.94 1°.5/11.3 17

5 11	17 42.66	−27 38.8	2.043	2.922	11.7	21.9
5 21	17 36.24	−27 42.1	1.976	2.925	8.4	21.7
5 31	17 27.93	−27 39.8	1.935	2.929	4.8	21.5
6 10	17 18.57	−27 31.0	1.920	2.933	1.6	21.3
6 20	17 9.15	−27 16.0	1.932	2.936	3.8	21.4
6 30	17 0.68	−26 56.4	1.972	2.939	7.4	21.7
7 10	16 53.99	−26 35.0	2.036	2.942	10.8	21.9
7 20	16 49.59	−26 14.5	2.123	2.945	13.7	22.1

204692 2006 ET 6 11.0 6°.47 2°.6/11.1 18

5 11	17 41.13	−15 51.6	1.007	1.920	17.8	18.5
5 21	17 36.36	−16 23.9	0.955	1.920	12.9	18.2
5 31	17 28.45	−17 6.9	0.922	1.921	7.4	17.9
6 10	17 18.64	−17 59.1	0.910	1.923	2.7	17.6
6 20	17 8.56	−18 57.5	0.920	1.926	6.1	17.8
6 30	16 59.97	−19 58.9	0.953	1.931	11.7	18.1
7 10	16 54.26	−21 1.0	1.005	1.937	16.7	18.4
7 20	16 52.15	−22 2.3	1.074	1.943	21.0	18.7

344958 2004 WL_{2} 6 11.0 243°.47 0°.4/10.9 18

5 11	17 43.10	−22 20.6	2.305	3.181	10.7	22.3
5 21	17 36.52	−22 14.6	2.213	3.162	7.6	22.1
5 31	17 28.13	−22 6.7	2.147	3.143	4.1	21.8
6 10	17 18.61	−21 57.0	2.108	3.123	0.5	21.5
6 20	17 8.83	−21 45.7	2.098	3.102	3.5	21.7
6 30	16 59.70	−21 34.0	2.117	3.081	7.2	21.9
7 10	16 52.06	−21 23.7	2.161	3.059	10.6	22.1
7 20	16 46.46	−21 16.3	2.227	3.036	13.6	22.2

380924 2006 GT_{35} 6 11.0 45°.54 3°.9/11.4 17

5 11	17 44.20	−31 20.2	1.575	2.459	14.3	20.1
5 21	17 37.81	−31 59.2	1.523	2.471	10.5	19.9
5 31	17 28.94	−32 29.2	1.494	2.483	6.6	19.7
6 10	17 18.68	−32 46.6	1.489	2.495	4.0	19.6
6 20	17 8.38	−32 50.5	1.510	2.508	5.6	19.7
6 30	16 59.40	−32 42.4	1.556	2.521	9.2	20.0
7 10	16 52.79	−32 26.3	1.624	2.535	12.8	20.2
7 20	16 49.13	−32 6.4	1.713	2.548	15.9	20.5

508476 2016 PG_{2} 6 11.0 332°.45 10°.8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 11	17 38.24	− 2 33.4	1.386	2.263	16.3	19.8
5 21	17 33.61	− 0 56.3	1.325	2.252	13.6	19.6
5 31	17 26.71	+ 0 25.3	1.285	2.241	11.4	19.4
6 10	17 18.49	+ 1 23.7	1.267	2.231	10.8	19.3
6 20	17 10.07	+ 1 53.8	1.271	2.222	12.2	19.4
6 30	17 2.65	+ 1 53.7	1.296	2.214	14.9	19.5
7 10	16 57.24	+ 1 25.6	1.340	2.206	17.8	19.7
7 20	16 54.47	+ 0 34.6	1.400	2.199	20.6	19.9

256832 2008 CJ_{149} 6 11.0 171°.00 0°.6/10.9 17

5 11	17 44.56	−22 17.3	1.731	2.617	13.1	21.7
5 21	17 37.78	−22 2.6	1.666	2.619	9.3	21.5
5 31	17 28.84	−21 45.7	1.624	2.621	5.0	21.3
6 10	17 18.69	−21 26.9	1.608	2.623	0.8	21.0
6 20	17 8.46	−21 7.2	1.619	2.624	4.2	21.2
6 30	16 59.31	−20 48.8	1.657	2.625	8.6	21.5
7 10	16 52.19	−20 33.7	1.719	2.625	12.5	21.7
7 20	16 47.65	−20 23.9	1.801	2.625	15.7	21.9

389461 2010 DY_{63} 6 11.0 327°.08 11°.7/ 9.8 16

5 11	17 38.46	+ 6 36.8	1.745	2.572	15.7	19.9
5 21	17 33.45	+ 7 17.9	1.678	2.559	13.8	19.8
5 31	17 26.54	+ 7 35.8	1.631	2.546	12.3	19.6
6 10	17 18.48	+ 7 25.9	1.606	2.534	11.7	19.6
6 20	17 10.21	+ 6 46.2	1.603	2.522	12.4	19.6
6 30	17 2.72	+ 5 37.9	1.622	2.511	14.0	19.6
7 10	16 56.89	+ 4 5.6	1.661	2.500	16.2	19.8
7 20	16 53.30	+ 2 15.5	1.719	2.490	18.4	19.9

350699 2001 WK_{26} 6 11.0 234°.13 0°.6/11.1 18

5 11	17 41.39	−24 11.2	2.440	3.316	10.1	21.3
5 21	17 35.23	−24 27.8	2.358	3.307	7.2	21.1
5 31	17 27.39	−24 42.6	2.301	3.297	4.0	20.9
6 10	17 18.56	−24 54.6	2.272	3.287	0.7	20.6
6 20	17 9.52	−25 3.4	2.272	3.276	3.2	20.8
6 30	17 1.13	−25 9.3	2.300	3.265	6.6	21.0
7 10	16 54.13	−25 13.5	2.354	3.254	9.8	21.2
7 20	16 49.06	−25 17.4	2.430	3.243	12.5	21.3

330806 2008 UW_{345} 6 11.0 298°.19 11°.7/ 8.8 18

5 11	17 41.34	+ 4 57.8	1.722	2.553	15.7	20.0
5 21	17 35.77	+ 5 47.7	1.632	2.519	13.8	19.8
5 31	17 27.96	+ 6 16.9	1.562	2.484	12.2	19.6
6 10	17 18.64	+ 6 19.3	1.514	2.450	11.7	19.5
6 20	17 8.77	+ 5 51.1	1.489	2.415	12.7	19.4
6 30	16 59.50	+ 4 51.9	1.486	2.380	14.8	19.5
7 10	16 51.88	+ 3 25.0	1.504	2.345	17.5	19.6
7 20	16 46.68	+ 1 36.3	1.540	2.310	20.2	19.7

219630 2001 TZ_{235} 6 11.0 180°.13 3°.9/10.5 17

5 11	17 42.48	−12 18.2	1.976	2.851	12.2	20.8
5 21	17 36.06	−12 4.0	1.909	2.852	9.0	20.6
5 31	17 27.84	−11 56.3	1.866	2.853	5.8	20.4
6 10	17 18.61	−11 56.5	1.850	2.853	3.9	20.3
6 20	17 9.26	−12 5.2	1.861	2.853	5.5	20.4
6 30	17 0.75	−12 22.6	1.899	2.852	8.7	20.6
7 10	16 53.88	−12 48.1	1.961	2.851	11.9	20.8
7 20	16 49.17	−13 20.5	2.044	2.849	14.8	21.0

220984 2005 NT_{15} 6 11.0 305°.65 0°.3/10.9 18

5 11	17 42.10	−22 8.3	1.395	2.295	14.8	19.9
5 21	17 36.79	−22 13.3	1.312	2.272	10.7	19.5
5 31	17 28.68	−22 17.9	1.250	2.250	5.8	19.2
6 10	17 18.71	−22 21.2	1.213	2.228	0.6	18.8
6 20	17 8.19	−22 23.0	1.200	2.206	5.0	19.0
6 30	16 58.63	−22 24.3	1.211	2.185	10.3	19.3
7 10	16 51.36	−22 27.2	1.243	2.164	15.1	19.5
7 20	16 47.25	−22 33.6	1.294	2.143	19.3	19.7

363680 2004 TQ_{108} 6 11.0 222°.25 3°.0/11.2 17

5 11	17 48.02	−29 0.5	1.650	2.529	14.0	21.3
5 21	17 40.71	−29 35.0	1.574	2.521	10.3	21.1
5 31	17 30.66	−30 3.3	1.521	2.513	6.2	20.8
6 10	17 18.89	−30 21.8	1.493	2.504	3.0	20.6
6 20	17 6.73	−30 28.7	1.493	2.494	5.2	20.7
6 30	16 55.66	−30 24.8	1.518	2.484	9.4	20.9
7 10	16 46.93	−30 13.7	1.567	2.473	13.5	21.1
7 20	16 41.28	−29 59.5	1.637	2.461	17.0	21.3

384051 2008 UX_{241} 6 11.0 209°.85 2°.8/10.8 18

5 11	17 42.26	−14 7.9	2.101	2.976	11.6	20.7
5 21	17 35.91	−14 14.9	2.027	2.972	8.4	20.5
5 31	17 27.79	−14 27.6	1.977	2.968	5.1	20.3
6 10	17 18.61	−14 46.2	1.955	2.963	2.8	20.1
6 20	17 9.25	−15 10.5	1.961	2.958	4.6	20.2
6 30	17 0.63	−15 39.9	1.994	2.953	8.0	20.4
7 10	16 53.55	−16 14.1	2.052	2.947	11.3	20.6
7 20	16 48.55	−16 52.2	2.132	2.941	14.1	20.8