281963 2011 GB_{64} 7 15.9 52°.11 2°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.05	−22 59.2	1.453	2.323	16.4	20.3
6 20	20 4.40	−23 50.5	1.405	2.343	12.4	20.1
6 30	19 57.05	−24 47.0	1.378	2.364	7.8	19.9
7 10	19 47.90	−25 42.7	1.374	2.386	3.3	19.7
7 20	19 38.13	−26 31.8	1.396	2.407	3.1	19.7
7 30	19 29.10	−27 9.8	1.443	2.429	7.4	20.1
8 9	19 21.98	−27 35.3	1.514	2.451	11.5	20.4
8 19	19 17.51	−27 48.9	1.607	2.474	15.0	20.6

183169 2002 SX_{35} 7 15.9 294°.83 1°.6/16.5 18

6 10	20 7.51	−16 58.5	1.478	2.340	16.6	20.6
6 20	20 3.66	−17 0.2	1.386	2.318	13.0	20.3
6 30	19 56.96	−17 12.2	1.313	2.296	8.6	20.0
7 10	19 48.04	−17 32.7	1.263	2.273	3.8	19.6
7 20	19 37.90	−17 58.8	1.237	2.251	2.5	19.5
7 30	19 27.92	−18 26.9	1.237	2.229	7.4	19.7
8 9	19 19.49	−18 53.9	1.260	2.207	12.4	20.0
8 19	19 13.70	−19 17.6	1.303	2.185	16.9	20.2

91310 1999 GH_{5} 7 15.9 234°.97 2°.3/15.2 18

6 10	20 12.66	−24 55.2	1.616	2.475	15.5	19.7
6 20	20 7.38	−25 27.7	1.533	2.465	11.9	19.4
6 30	19 59.20	−26 3.9	1.471	2.455	7.7	19.1
7 10	19 48.84	−26 38.8	1.434	2.444	3.5	18.9
7 20	19 37.41	−27 7.0	1.422	2.433	3.3	18.8
7 30	19 26.33	−27 24.8	1.437	2.421	7.7	19.1
8 9	19 16.98	−27 30.9	1.476	2.408	12.1	19.3
8 19	19 10.35	−27 26.4	1.536	2.395	16.0	19.5

278718 2008 SO_{46} 7 15.9 336°.62 0°.5/16.2 17

6 10	20 5.40	−18 54.6	1.459	2.328	16.3	20.7
6 20	20 1.88	−19 7.9	1.383	2.320	12.6	20.5
6 30	19 55.67	−19 30.1	1.326	2.312	8.1	20.2
7 10	19 47.47	−19 58.4	1.293	2.305	3.2	19.9
7 20	19 38.35	−20 28.9	1.284	2.298	2.0	19.8
7 30	19 29.61	−20 57.9	1.300	2.292	7.1	20.1
8 9	19 22.53	−21 22.5	1.339	2.287	11.8	20.3
8 19	19 18.01	−21 41.2	1.399	2.283	15.9	20.6

510354 2011 SX_{201} 7 15.9 275°.66 3°.4/17.6 18

6 10	20 5.00	−10 48.0	2.036	2.867	13.9	21.5
6 20	20 0.79	−10 49.1	1.948	2.857	11.0	21.3
6 30	19 54.61	−11 2.1	1.881	2.848	7.8	21.1
7 10	19 46.99	−11 26.5	1.839	2.839	4.6	20.9
7 20	19 38.68	−12 0.6	1.823	2.830	3.5	20.8
7 30	19 30.59	−12 41.6	1.835	2.821	6.1	20.9
8 9	19 23.62	−13 26.2	1.872	2.812	9.5	21.1
8 19	19 18.47	−14 11.4	1.933	2.802	12.8	21.3

396992 2005 SO_{183} 7 15.9 220°.92 4°.5/18.2 18

6 10	20 4.33	− 6 34.8	2.532	3.336	12.3	21.5
6 20	19 59.85	− 6 18.0	2.443	3.330	10.0	21.3
6 30	19 53.80	− 6 12.4	2.377	3.325	7.5	21.1
7 10	19 46.64	− 6 18.4	2.336	3.320	5.3	21.0
7 20	19 38.97	− 6 35.3	2.321	3.314	4.5	20.9
7 30	19 31.51	− 7 1.9	2.335	3.308	6.0	21.0
8 9	19 24.93	− 7 35.7	2.375	3.302	8.4	21.2
8 19	19 19.80	− 8 14.0	2.439	3.296	10.9	21.3

507675 2013 SY_{22} 7 16.0 247°.23 4°.0/17.5 17

6 10	20 8.03	−10 41.9	1.778	2.611	15.5	21.9
6 20	20 3.41	−10 32.6	1.689	2.600	12.4	21.7
6 30	19 56.45	−10 36.2	1.622	2.589	8.8	21.4
7 10	19 47.76	−10 52.6	1.578	2.577	5.3	21.2
7 20	19 38.20	−11 20.3	1.559	2.565	4.1	21.1
7 30	19 28.87	−11 56.6	1.568	2.553	7.0	21.2
8 9	19 20.85	−12 38.1	1.601	2.540	10.8	21.4
8 19	19 14.98	−13 21.4	1.657	2.528	14.5	21.6

220290 2003 BF_{89} 7 16.0 215°.12 1°.0/15.6 18

6 10	20 11.24	−23 6.0	2.055	2.901	13.2	22.0
6 20	20 5.62	−23 22.1	1.968	2.894	10.1	21.8
6 30	19 57.72	−23 41.2	1.904	2.886	6.5	21.6
7 10	19 48.20	−24 0.2	1.866	2.878	2.5	21.3
7 20	19 37.93	−24 15.9	1.856	2.869	2.1	21.3
7 30	19 27.96	−24 25.9	1.874	2.859	6.0	21.5
8 9	19 19.33	−24 29.4	1.918	2.849	9.8	21.7
8 19	19 12.80	−24 26.5	1.985	2.838	13.2	21.9

433956 1998 SH_{155} 7 16.0 303°.36 4°.3/17.6 18

6 10	20 4.81	−10 7.8	1.733	2.572	15.6	20.8
6 20	20 1.18	− 9 57.6	1.631	2.544	12.6	20.5
6 30	19 55.19	−10 1.2	1.549	2.517	9.1	20.3
7 10	19 47.34	−10 19.1	1.490	2.489	5.6	20.0
7 20	19 38.45	−10 50.4	1.456	2.462	4.5	19.9
7 30	19 29.60	−11 32.4	1.448	2.434	7.3	20.0
8 9	19 21.95	−12 21.5	1.464	2.407	11.4	20.1
8 19	19 16.43	−13 13.4	1.502	2.380	15.3	20.3

352288 2007 TS_{399} 7 16.0 263°.56 0°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.78	−20 33.7	1.989	2.840	13.4	21.1
6 20	20 2.97	−20 37.0	1.907	2.835	10.2	20.9
6 30	19 56.01	−20 44.8	1.847	2.830	6.6	20.7
7 10	19 47.54	−20 54.9	1.813	2.825	2.5	20.4
7 20	19 38.39	−21 4.8	1.805	2.820	1.7	20.3
7 30	19 29.58	−21 12.5	1.825	2.814	5.8	20.6
8 9	19 22.08	−21 16.9	1.871	2.809	9.6	20.8
8 19	19 16.60	−21 17.7	1.940	2.804	13.0	21.0

69942 1998 UC_{31} 7 16.0 240°.42 4°.2/14.1 18

6 10	20 11.27	−32 36.4	2.308	3.152	12.0	19.0
6 20	20 5.64	−33 15.1	2.219	3.139	9.4	18.8
6 30	19 57.75	−33 51.1	2.154	3.126	6.6	18.6
7 10	19 48.22	−34 19.7	2.115	3.112	4.5	18.5
7 20	19 37.92	−34 36.7	2.103	3.097	4.8	18.5
7 30	19 27.90	−34 39.7	2.119	3.082	7.2	18.6
8 9	19 19.18	−34 28.9	2.161	3.067	10.1	18.8
8 19	19 12.54	−34 6.2	2.225	3.051	12.9	18.9

510118 2010 TD_{21} 7 16.0 180°.13 1°.8/15.1 18

6 10	20 6.88	−26 21.7	2.628	3.474	10.7	22.2
6 20	20 1.82	−26 45.9	2.549	3.474	8.1	22.0
6 30	19 55.06	−27 10.6	2.494	3.474	5.2	21.8
7 10	19 47.12	−27 32.8	2.466	3.475	2.5	21.6
7 20	19 38.69	−27 50.1	2.466	3.474	2.5	21.6
7 30	19 30.56	−28 0.5	2.495	3.474	5.2	21.8
8 9	19 23.46	−28 3.6	2.550	3.473	8.1	22.0
8 19	19 17.97	−27 59.6	2.630	3.473	10.6	22.2

370653 2004 BK_{136} 7 16.0 272°.23 3°.1/15.2 18

6 10	20 12.52	−27 52.6	1.553	2.417	15.8	21.0
6 20	20 7.39	−28 8.9	1.471	2.405	12.2	20.8
6 30	19 59.25	−28 24.9	1.411	2.394	8.1	20.5
7 10	19 48.89	−28 35.3	1.373	2.382	4.0	20.2
7 20	19 37.48	−28 35.7	1.362	2.370	3.9	20.2
7 30	19 26.53	−28 23.7	1.376	2.359	8.1	20.4
8 9	19 17.46	−27 59.9	1.413	2.347	12.5	20.6
8 19	19 11.25	−27 26.7	1.472	2.335	16.4	20.9

501375 2013 YT_{50} 7 16.0 202°.97 2°.5/14.6 18

6 10	20 9.64	−25 5.7	2.151	3.000	12.6	22.0
6 20	20 4.41	−26 7.1	2.069	2.996	9.6	21.8
6 30	19 56.99	−27 12.5	2.011	2.992	6.2	21.6
7 10	19 47.95	−28 16.8	1.980	2.988	3.1	21.4
7 20	19 38.11	−29 15.0	1.976	2.983	3.3	21.4
7 30	19 28.51	−30 3.0	2.001	2.977	6.5	21.6
8 9	19 20.14	−30 38.7	2.052	2.971	9.9	21.8
8 19	19 13.80	−31 2.2	2.126	2.965	13.0	22.0

494475 2016 WJ_{18} 7 16.0 318°.73 4°.8/17.7 18

6 10	20 4.48	− 9 16.1	1.899	2.730	14.7	21.2
6 20	20 0.51	− 8 47.2	1.813	2.720	11.9	21.0
6 30	19 54.49	− 8 30.1	1.748	2.710	8.7	20.8
7 10	19 46.98	− 8 25.7	1.707	2.700	5.8	20.6
7 20	19 38.77	− 8 33.7	1.691	2.691	4.9	20.5
7 30	19 30.82	− 8 52.7	1.701	2.682	7.0	20.6
8 9	19 24.05	− 9 19.9	1.736	2.673	10.3	20.8
8 19	19 19.19	− 9 52.3	1.793	2.665	13.5	21.0

159600 2001 XK_{252} 7 16.0 131°.58 1°.5/16.7 17

6 10	20 8.74	−15 40.9	1.950	2.790	14.0	20.8
6 20	20 3.58	−15 54.7	1.879	2.799	10.8	20.6
6 30	19 56.33	−16 17.4	1.831	2.808	7.1	20.4
7 10	19 47.64	−16 46.8	1.808	2.817	3.2	20.2
7 20	19 38.37	−17 20.1	1.812	2.825	2.1	20.1
7 30	19 29.51	−17 54.3	1.844	2.833	5.7	20.3
8 9	19 21.99	−18 26.7	1.901	2.840	9.4	20.6
8 19	19 16.48	−18 55.7	1.983	2.847	12.7	20.8

166041 2002 CJ_{11} 7 16.0 78°.47 0°.9/16.2 18

6 10	20 13.13	−19 42.3	1.363	2.225	17.7	19.5
6 20	20 7.55	−19 28.4	1.307	2.240	13.5	19.3
6 30	19 59.10	−19 20.8	1.271	2.255	8.7	19.1
7 10	19 48.72	−19 17.2	1.258	2.270	3.5	18.8
7 20	19 37.71	−19 15.0	1.271	2.285	2.2	18.8
7 30	19 27.52	−19 12.4	1.308	2.299	7.2	19.1
8 9	19 19.42	−19 8.5	1.369	2.314	11.9	19.4
8 19	19 14.17	−19 3.1	1.452	2.329	15.8	19.7

504255 2006 VK_{9} 7 16.0 263°.82 1°.3/15.5 17

6 10	20 10.55	−22 51.4	1.691	2.549	15.0	22.3
6 20	20 5.71	−23 16.3	1.600	2.532	11.6	22.0
6 30	19 58.14	−23 46.4	1.530	2.514	7.5	21.8
7 10	19 48.49	−24 17.8	1.484	2.496	3.0	21.4
7 20	19 37.74	−24 45.9	1.465	2.477	2.6	21.4
7 30	19 27.21	−25 7.1	1.471	2.458	7.2	21.6
8 9	19 18.21	−25 19.6	1.503	2.439	11.7	21.8
8 19	19 11.72	−25 23.3	1.556	2.420	15.6	22.0

216672 Kucinskas 7 16.0 169°.20 1°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.91	−16 25.9	1.895	2.734	14.4	21.2
6 20	20 5.33	−16 25.8	1.819	2.738	11.1	21.0
6 30	19 57.51	−16 33.5	1.764	2.741	7.3	20.8
7 10	19 48.12	−16 47.3	1.735	2.744	3.3	20.5
7 20	19 38.07	−17 4.8	1.733	2.746	2.2	20.4
7 30	19 28.42	−17 23.7	1.759	2.747	6.0	20.7
8 9	19 20.19	−17 42.0	1.811	2.748	9.9	20.9
8 19	19 14.10	−17 58.4	1.885	2.749	13.3	21.1

479845 2014 GH_{18} 7 16.0 21°.38 10°.2/10.9 16

6 10	20 13.83	−47 15.3	1.959	2.786	14.5	20.9
6 20	20 8.47	−48 41.5	1.906	2.789	12.5	20.8
6 30	19 59.94	−49 54.2	1.874	2.793	10.9	20.7
7 10	19 49.14	−50 45.3	1.865	2.797	10.2	20.6
7 20	19 37.39	−51 8.7	1.879	2.801	10.7	20.7
7 30	19 26.32	−51 2.7	1.916	2.805	12.1	20.8
8 9	19 17.40	−50 30.0	1.974	2.810	14.0	20.9
8 19	19 11.54	−49 36.1	2.051	2.815	15.9	21.1

157594 2005 VC_3 7 16.0 200°.00 0°.5/15.7 18

6 10	20 5.63	−21 46.3	3.167	4.001	9.3	22.4
6 20	20 0.61	−22 7.7	3.077	3.997	7.1	22.3
6 30	19 54.19	−22 31.8	3.012	3.992	4.5	22.1
7 10	19 46.79	−22 56.6	2.975	3.986	1.7	21.9
7 20	19 38.96	−23 20.2	2.967	3.980	1.3	21.8
7 30	19 31.31	−23 40.7	2.989	3.974	4.1	22.0
8 9	19 24.44	−23 57.1	3.039	3.967	6.8	22.2
8 19	19 18.84	−24 8.9	3.115	3.959	9.1	22.4

220894 2004 XM_{182} 7 16.0 305°.26 0°.2/15.9 18

6 10	20 4.35	−17 30.8	2.148	2.995	12.7	19.5
6 20	20 0.45	−18 31.2	2.049	2.975	9.7	19.3
6 30	19 54.52	−19 42.5	1.974	2.956	6.3	19.0
7 10	19 47.05	−21 1.3	1.924	2.936	2.4	18.7
7 20	19 38.73	−22 22.8	1.903	2.917	1.7	18.6
7 30	19 30.47	−23 42.0	1.910	2.898	5.7	18.9
8 9	19 23.21	−24 54.5	1.943	2.879	9.5	19.1
8 19	19 17.73	−25 57.5	2.001	2.860	12.8	19.2

124405 2001 QN_{206} 7 16.0 326°.22 1°.3/16.4 18

6 10	20 3.41	−17 45.1	1.024	1.916	19.9	19.7
6 20	20 1.46	−17 49.5	0.948	1.897	15.6	19.3
6 30	19 56.03	−18 7.4	0.890	1.879	10.3	19.0
7 10	19 47.85	−18 36.4	0.850	1.862	4.3	18.6
7 20	19 38.17	−19 12.4	0.832	1.846	2.7	18.4
7 30	19 28.81	−19 49.8	0.835	1.832	9.0	18.7
8 9	19 21.58	−20 23.8	0.858	1.818	15.0	19.0
8 19	19 17.78	−20 51.3	0.898	1.806	20.2	19.3

181125 2005 QY_{114} 7 16.0 173°.47 2°.8/17.4 18

6 10	20 5.08	−12 3.6	2.370	3.196	12.3	20.6
6 20	20 0.52	−11 59.4	2.289	3.197	9.7	20.5
6 30	19 54.27	−12 4.3	2.230	3.198	6.7	20.3
7 10	19 46.86	−12 17.4	2.197	3.198	3.8	20.1
7 20	19 38.95	−12 37.6	2.192	3.199	2.9	20.0
7 30	19 31.31	−13 2.8	2.214	3.199	5.3	20.2
8 9	19 24.67	−13 30.9	2.263	3.199	8.3	20.4
8 19	19 19.61	−13 59.8	2.336	3.199	11.1	20.6

2195 Tengström 7 16.0 267°.48 0°.8/15.7 18 R

6 10	20 9.68	−20 24.8	1.426	2.292	16.8	15.9
6 20	20 5.42	−21 1.9	1.344	2.281	13.0	15.6
6 30	19 58.14	−21 48.9	1.283	2.269	8.3	15.3
7 10	19 48.55	−22 41.1	1.245	2.257	3.2	15.0
7 20	19 37.76	−23 32.7	1.232	2.245	2.5	14.9
7 30	19 27.27	−24 18.2	1.244	2.233	7.8	15.2
8 9	19 18.54	−24 53.9	1.279	2.221	12.8	15.4
8 19	19 12.65	−25 18.9	1.335	2.209	17.1	15.7

320691 2008 CL_{215} 7 16.0 28°.27 2°.6/15.0 17

6 10	20 6.14	−22 50.7	1.107	1.997	18.9	19.7
6 20	20 2.99	−23 50.2	1.059	2.008	14.3	19.4
6 30	19 56.57	−24 57.5	1.031	2.022	9.1	19.2
7 10	19 47.87	−26 5.0	1.024	2.036	3.9	19.0
7 20	19 38.32	−27 4.6	1.040	2.051	3.9	19.0
7 30	19 29.60	−27 50.1	1.078	2.067	8.8	19.3
8 9	19 23.16	−28 19.3	1.139	2.085	13.6	19.7
8 19	19 19.88	−28 33.0	1.218	2.103	17.7	20.0

78270 2002 PO_{28} 7 16.0 281°.22 0°.3/16.1 18

6 10	20 7.56	−20 0.2	1.905	2.757	13.8	20.0
6 20	20 2.97	−20 4.9	1.818	2.747	10.6	19.8
6 30	19 56.13	−20 14.9	1.754	2.736	6.8	19.5
7 10	19 47.66	−20 28.1	1.714	2.725	2.7	19.2
7 20	19 38.42	−20 41.8	1.701	2.715	1.7	19.1
7 30	19 29.47	−20 53.8	1.715	2.704	6.0	19.4
8 9	19 21.83	−21 2.4	1.754	2.694	10.0	19.6
8 19	19 16.30	−21 7.2	1.816	2.683	13.6	19.8

70518 1999 TS_{107} 7 16.0 254°.29 4°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.63	−11 46.8	1.666	2.504	16.2	19.7
6 20	20 4.81	−11 18.2	1.577	2.491	12.9	19.4
6 30	19 57.46	−11 0.7	1.508	2.477	9.1	19.2
7 10	19 48.22	−10 54.7	1.463	2.464	5.5	18.9
7 20	19 38.02	−10 59.7	1.444	2.450	4.5	18.8
7 30	19 28.07	−11 14.3	1.450	2.435	7.5	19.0
8 9	19 19.56	−11 35.6	1.481	2.420	11.6	19.2
8 19	19 13.38	−12 1.1	1.534	2.405	15.4	19.4

509226 2006 SF_{344} 7 16.0 302°.57 1°.0/16.3 17

6 10	20 8.07	−18 52.7	1.397	2.265	17.0	22.1
6 20	20 4.16	−18 49.9	1.313	2.249	13.2	21.8
6 30	19 57.31	−18 55.2	1.250	2.235	8.6	21.5
7 10	19 48.23	−19 6.4	1.208	2.220	3.6	21.2
7 20	19 38.01	−19 20.5	1.191	2.205	2.3	21.1
7 30	19 28.11	−19 34.4	1.199	2.191	7.5	21.3
8 9	19 19.95	−19 45.9	1.229	2.178	12.6	21.6
8 19	19 14.57	−19 53.9	1.280	2.164	17.0	21.8

513786 2013 AY_{124} 7 16.0 261°.73 1°.6/15.1 18

6 10	20 7.74	−23 9.6	2.220	3.068	12.3	21.8
6 20	20 3.01	−23 58.2	2.122	3.050	9.4	21.6
6 30	19 56.15	−24 52.1	2.048	3.031	6.0	21.3
7 10	19 47.69	−25 47.5	2.001	3.011	2.6	21.1
7 20	19 38.37	−26 39.9	1.981	2.992	2.5	21.0
7 30	19 29.15	−27 25.5	1.990	2.972	6.1	21.2
8 9	19 21.01	−28 1.7	2.025	2.951	9.7	21.4
8 19	19 14.75	−28 27.9	2.084	2.931	12.9	21.6

1381 Danubia 7 16.0 291°.09 3°.0/15.0 18

6 10	20 10.12	−26 58.3	1.599	2.465	15.4	16.1
6 20	20 5.63	−27 24.4	1.509	2.445	11.9	15.8
6 30	19 58.22	−27 52.1	1.441	2.425	7.8	15.6
7 10	19 48.57	−28 16.4	1.396	2.405	3.9	15.3
7 20	19 37.77	−28 32.2	1.376	2.385	3.9	15.2
7 30	19 27.24	−28 36.2	1.381	2.365	8.0	15.4
8 9	19 18.40	−28 27.7	1.411	2.345	12.5	15.6
8 19	19 12.27	−28 8.2	1.461	2.325	16.4	15.8

287474 2003 AQ_{62} 7 16.0 172°.78 0°.8/15.7 18

6 10	20 10.50	−21 28.1	1.966	2.814	13.6	21.5
6 20	20 5.08	−21 58.4	1.890	2.816	10.4	21.3
6 30	19 57.40	−22 33.9	1.837	2.819	6.6	21.1
7 10	19 48.13	−23 10.8	1.809	2.821	2.5	20.8
7 20	19 38.15	−23 45.5	1.809	2.822	2.0	20.8
7 30	19 28.55	−24 14.7	1.836	2.822	6.1	21.0
8 9	19 20.34	−24 36.6	1.890	2.823	9.9	21.3
8 19	19 14.26	−24 51.0	1.967	2.822	13.2	21.5

59144 1998 XN_{73} 7 16.0 305°.76 6°.9/13.7 18

6 10	20 13.99	−33 21.0	1.336	2.207	17.5	18.4
6 20	20 9.08	−34 26.6	1.273	2.207	13.8	18.1
6 30	20 0.60	−35 28.9	1.230	2.206	9.9	17.9
7 10	19 49.49	−36 18.3	1.210	2.206	7.2	17.8
7 20	19 37.24	−36 46.8	1.212	2.205	7.6	17.8
7 30	19 25.70	−36 50.5	1.239	2.205	10.9	18.0
8 9	19 16.56	−36 30.9	1.287	2.204	14.8	18.2
8 19	19 10.88	−35 53.1	1.355	2.204	18.3	18.4

521537 2015 OP_{100} 7 16.0 257°.37 0°.1/15.9 18

6 10	20 6.76	−21 33.8	2.413	3.257	11.5	21.7
6 20	20 1.85	−21 31.7	2.327	3.252	8.8	21.5
6 30	19 55.15	−21 32.1	2.265	3.246	5.6	21.3
7 10	19 47.23	−21 33.4	2.228	3.240	2.2	21.0
7 20	19 38.77	−21 33.8	2.220	3.234	1.4	21.0
7 30	19 30.59	−21 32.1	2.240	3.228	5.0	21.2
8 9	19 23.49	−21 27.5	2.287	3.222	8.3	21.4
8 19	19 18.07	−21 20.1	2.358	3.216	11.2	21.6

25711 Lebovits 7 16.0 206°.10 0°.4/16.2 18 R

6 10	20 10.70	−18 37.3	1.890	2.734	14.2	19.5
6 20	20 5.37	−18 58.7	1.806	2.730	10.9	19.2
6 30	19 57.68	−19 27.6	1.744	2.724	7.1	19.0
7 10	19 48.28	−20 1.1	1.707	2.719	2.8	18.7
7 20	19 38.06	−20 35.8	1.698	2.712	1.8	18.6
7 30	19 28.15	−21 8.3	1.716	2.705	6.1	18.9
8 9	19 19.60	−21 36.2	1.761	2.697	10.2	19.1
8 19	19 13.24	−21 58.3	1.828	2.689	13.8	19.3

141942 2002 PU_{99} 7 16.0 351°.76 2°.7/15.2 17

6 10	20 0.08	−23 32.2	0.957	1.865	19.6	19.1
6 20	19 59.04	−24 11.4	0.896	1.854	15.1	18.8
6 30	19 54.48	−24 59.2	0.851	1.845	9.7	18.5
7 10	19 47.25	−25 49.0	0.826	1.838	4.2	18.2
7 20	19 38.75	−26 33.3	0.821	1.833	4.1	18.2
7 30	19 30.85	−27 5.4	0.837	1.830	9.7	18.5
8 9	19 25.29	−27 22.1	0.871	1.829	15.2	18.8
8 19	19 23.20	−27 23.6	0.923	1.830	19.9	19.0

442956 2013 CW_{116} 7 16.0 88°.85 5°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.20	−36 18.5	2.351	3.192	11.9	20.9
6 20	20 5.35	−36 55.6	2.292	3.206	9.4	20.8
6 30	19 57.41	−37 26.6	2.257	3.220	6.9	20.6
7 10	19 48.09	−37 46.7	2.247	3.234	5.2	20.5
7 20	19 38.31	−37 52.9	2.265	3.248	5.5	20.6
7 30	19 29.08	−37 44.0	2.310	3.261	7.4	20.7
8 9	19 21.30	−37 21.0	2.379	3.275	9.8	20.9
8 19	19 15.61	−36 46.8	2.472	3.288	12.0	21.1

132609 2002 KU_{12} 7 16.0 100°.53 6°.0/19.1 18

6 10	20 6.48	− 3 47.7	1.934	2.738	15.5	19.8
6 20	20 1.84	− 3 33.9	1.866	2.750	12.7	19.6
6 30	19 55.23	− 3 37.1	1.818	2.761	9.7	19.4
7 10	19 47.29	− 3 57.7	1.794	2.772	7.1	19.3
7 20	19 38.82	− 4 34.6	1.795	2.783	6.0	19.3
7 30	19 30.73	− 5 24.8	1.822	2.794	7.5	19.4
8 9	19 23.89	− 6 24.1	1.875	2.805	10.1	19.6
8 19	19 18.93	− 7 27.7	1.951	2.815	12.9	19.8

312755 2010 TB_{99} 7 16.0 112°.48 1°.2/16.6 18

6 10	20 5.15	−16 33.7	2.284	3.124	12.2	20.9
6 20	20 0.69	−16 42.5	2.204	3.124	9.4	20.7
6 30	19 54.46	−16 58.4	2.147	3.125	6.2	20.5
7 10	19 47.00	−17 19.5	2.116	3.125	2.7	20.3
7 20	19 39.01	−17 43.8	2.113	3.126	1.7	20.2
7 30	19 31.30	−18 9.0	2.137	3.126	5.1	20.4
8 9	19 24.66	−18 33.1	2.188	3.127	8.4	20.7
8 19	19 19.68	−18 54.8	2.263	3.128	11.4	20.8

400443 2008 EH_{29} 7 16.0 12°.17 7°.0/12.9 18

6 10	20 8.88	−37 45.1	1.866	2.722	13.9	20.6
6 20	20 4.34	−38 47.9	1.805	2.724	11.2	20.5
6 30	19 57.15	−39 43.9	1.766	2.727	8.6	20.3
7 10	19 48.10	−40 26.1	1.750	2.730	7.1	20.2
7 20	19 38.28	−40 49.3	1.760	2.734	7.5	20.3
7 30	19 29.02	−40 51.3	1.794	2.739	9.6	20.4
8 9	19 21.51	−40 33.1	1.851	2.744	12.2	20.6
8 19	19 16.55	−39 58.4	1.929	2.750	14.8	20.7

251910 1999 VG_{147} 7 16.0 286°.34 6°.0/18.3 18

6 10	20 4.62	− 4 26.4	2.322	3.121	13.4	20.6
6 20	20 0.28	− 3 42.0	2.231	3.110	11.1	20.4
6 30	19 54.21	− 3 9.5	2.161	3.099	8.7	20.2
7 10	19 46.92	− 2 50.4	2.116	3.088	6.7	20.1
7 20	19 39.04	− 2 45.6	2.097	3.077	6.0	20.0
7 30	19 31.36	− 2 54.4	2.104	3.066	7.3	20.1
8 9	19 24.62	− 3 14.9	2.136	3.056	9.6	20.2
8 19	19 19.44	− 3 44.2	2.192	3.045	12.1	20.4

85416 1996 XN_{2} 7 16.0 311°.97 0°.2/16.1 18

6 10	20 6.86	−20 36.0	1.452	2.322	16.4	19.2
6 20	20 3.34	−20 34.0	1.356	2.294	12.7	18.9
6 30	19 56.91	−20 38.0	1.280	2.266	8.3	18.6
7 10	19 48.17	−20 45.8	1.227	2.239	3.3	18.2
7 20	19 38.14	−20 54.3	1.198	2.212	2.1	18.1
7 30	19 28.26	−21 0.7	1.193	2.186	7.6	18.3
8 9	19 19.96	−21 3.1	1.212	2.160	12.7	18.5
8 19	19 14.39	−21 1.0	1.251	2.135	17.3	18.7

511257 2014 BO_{65} 7 16.0 246°.98 1°.9/16.9 18

6 10	20 6.12	−14 33.7	1.946	2.788	14.0	21.4
6 20	20 1.74	−14 47.7	1.867	2.787	10.8	21.2
6 30	19 55.28	−15 11.8	1.811	2.787	7.2	20.9
7 10	19 47.36	−15 44.2	1.779	2.787	3.5	20.7
7 20	19 38.77	−16 22.2	1.774	2.786	2.3	20.6
7 30	19 30.51	−17 2.6	1.796	2.786	5.8	20.9
8 9	19 23.48	−17 42.2	1.844	2.785	9.5	21.1
8 19	19 18.39	−18 18.8	1.915	2.785	12.9	21.3

206018 2002 PF_{162} 7 16.0 122°.92 3°.5/15.0 18

6 10	20 12.67	−30 48.8	1.938	2.789	13.7	20.1
6 20	20 6.80	−30 58.9	1.866	2.791	10.5	20.0
6 30	19 58.51	−31 5.3	1.816	2.793	7.1	19.7
7 10	19 48.57	−31 3.8	1.791	2.795	4.0	19.6
7 20	19 38.02	−30 51.5	1.793	2.797	4.0	19.6
7 30	19 28.04	−30 27.4	1.823	2.799	7.1	19.8
8 9	19 19.71	−29 52.8	1.878	2.801	10.5	20.0
8 19	19 13.74	−29 10.4	1.955	2.803	13.6	20.2

277628 2006 BU_{40} 7 16.0 328°.27 2°.1/15.5 17

6 10	20 8.86	−26 4.2	1.475	2.347	16.1	19.7
6 20	20 4.66	−26 7.9	1.397	2.336	12.4	19.4
6 30	19 57.56	−26 12.1	1.339	2.325	8.0	19.1
7 10	19 48.33	−26 13.0	1.304	2.315	3.5	18.8
7 20	19 38.13	−26 6.8	1.294	2.306	3.1	18.8
7 30	19 28.42	−25 51.6	1.309	2.297	7.7	19.0
8 9	19 20.55	−25 27.8	1.347	2.289	12.2	19.3
8 19	19 15.45	−24 57.2	1.406	2.282	16.3	19.5

473028 2015 HE_{64} 7 16.0 235°.32 2°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.99	−13 2.2	1.927	2.762	14.4	21.3
6 20	20 3.21	−12 54.8	1.840	2.754	11.3	21.1
6 30	19 56.28	−12 57.5	1.775	2.746	7.8	20.9
7 10	19 47.77	−13 9.7	1.735	2.738	4.3	20.7
7 20	19 38.51	−13 29.7	1.721	2.730	3.2	20.6
7 30	19 29.52	−13 55.3	1.734	2.721	6.3	20.8
8 9	19 21.77	−14 23.8	1.773	2.712	10.0	21.0
8 19	19 16.02	−14 52.8	1.835	2.703	13.4	21.2

244893 2003 WY_{39} 7 16.0 175°.09 0°.6/16.3 17

6 10	20 8.78	−19 28.2	2.078	2.923	13.1	20.8
6 20	20 3.60	−19 27.0	2.000	2.924	10.0	20.6
6 30	19 56.39	−19 30.6	1.944	2.925	6.5	20.4
7 10	19 47.76	−19 37.1	1.914	2.925	2.6	20.1
7 20	19 38.54	−19 44.4	1.912	2.926	1.6	20.0
7 30	19 29.70	−19 50.7	1.937	2.926	5.5	20.3
8 9	19 22.12	−19 55.0	1.988	2.926	9.2	20.5
8 19	19 16.49	−19 56.7	2.063	2.925	12.4	20.7

105505 2000 RK_{3} 7 16.0 248°.83 0°.2/15.9 18

6 10	20 6.77	−21 9.3	2.484	3.326	11.3	19.7
6 20	20 1.92	−21 22.5	2.390	3.313	8.6	19.5
6 30	19 55.28	−21 39.3	2.319	3.300	5.5	19.3
7 10	19 47.35	−21 57.8	2.275	3.286	2.1	19.0
7 20	19 38.80	−22 15.5	2.259	3.272	1.5	18.9
7 30	19 30.44	−22 30.4	2.271	3.258	5.0	19.2
8 9	19 23.08	−22 41.4	2.310	3.244	8.3	19.3
8 19	19 17.33	−22 47.9	2.374	3.229	11.2	19.5

40975 1999 TU_{269} 7 16.0 164°.53 0°.1/16.0 18

6 10	20 7.04	−21 25.2	2.699	3.537	10.6	19.6
6 20	20 1.84	−21 27.1	2.619	3.541	8.1	19.4
6 30	19 55.05	−21 31.5	2.564	3.544	5.1	19.2
7 10	19 47.21	−21 36.6	2.535	3.546	2.0	19.0
7 20	19 38.93	−21 40.9	2.535	3.549	1.3	19.0
7 30	19 30.96	−21 43.0	2.564	3.551	4.5	19.2
8 9	19 23.97	−21 42.3	2.621	3.553	7.5	19.4
8 19	19 18.48	−21 38.6	2.702	3.555	10.1	19.6

287078 2002 RX_{38} 7 16.0 5°.40 8°.0/19.8 16

6 10	20 2.51	− 1 44.9	1.523	2.344	18.2	19.9
6 20	19 59.40	− 1 20.9	1.453	2.344	15.3	19.7
6 30	19 53.98	− 1 19.4	1.402	2.344	12.1	19.5
7 10	19 46.91	− 1 42.3	1.371	2.346	9.2	19.4
7 20	19 39.10	− 2 28.8	1.363	2.348	8.0	19.3
7 30	19 31.67	− 3 35.5	1.379	2.352	9.3	19.4
8 9	19 25.67	− 4 55.9	1.418	2.356	12.1	19.5
8 19	19 21.87	− 6 23.0	1.479	2.360	15.3	19.8

506592 2005 XK_{26} 7 16.0 220°.85 1°.7/15.2 17

6 10	20 10.66	−24 8.9	2.224	3.068	12.4	23.8
6 20	20 5.16	−24 47.1	2.134	3.058	9.5	23.6
6 30	19 57.50	−25 28.7	2.066	3.047	6.1	23.4
7 10	19 48.25	−26 10.0	2.026	3.036	2.7	23.1
7 20	19 38.21	−26 46.8	2.013	3.023	2.6	23.1
7 30	19 28.37	−27 16.1	2.029	3.011	6.0	23.3
8 9	19 19.72	−27 36.3	2.072	2.997	9.6	23.5
8 19	19 13.03	−27 47.3	2.138	2.983	12.7	23.7

310094 2010 PH_{61} 7 16.0 310°.36 2°.0/17.0 18

6 10	20 4.91	−14 15.6	2.144	2.982	13.0	21.4
6 20	20 0.65	−14 21.4	2.062	2.979	10.1	21.2
6 30	19 54.51	−14 36.2	2.002	2.977	6.8	21.0
7 10	19 47.06	−14 58.7	1.968	2.974	3.4	20.8
7 20	19 39.02	−15 26.8	1.961	2.972	2.4	20.7
7 30	19 31.25	−15 58.1	1.981	2.969	5.4	20.9
8 9	19 24.59	−16 30.1	2.027	2.967	8.9	21.1
8 19	19 19.66	−17 0.6	2.097	2.965	12.0	21.3

355607 2008 DV_{24} 7 16.0 205°.77 3°.8/14.3 18

6 10	20 9.53	−31 43.0	2.313	3.161	11.9	21.1
6 20	20 4.21	−32 17.3	2.236	3.159	9.2	21.0
6 30	19 56.81	−32 48.9	2.183	3.157	6.4	20.8
7 10	19 47.94	−33 13.6	2.155	3.155	4.1	20.6
7 20	19 38.46	−33 28.0	2.155	3.152	4.3	20.6
7 30	19 29.35	−33 30.0	2.183	3.150	6.8	20.8
8 9	19 21.54	−33 19.7	2.236	3.147	9.6	21.0
8 19	19 15.71	−32 59.0	2.312	3.144	12.3	21.1

91405 1999 NB_{10} 7 16.0 305°.89 3°.6/15.5 18

6 10	20 14.74	−31 6.5	1.589	2.449	15.7	18.3
6 20	20 9.28	−30 53.6	1.491	2.422	12.4	18.0
6 30	20 0.65	−30 34.3	1.414	2.395	8.4	17.7
7 10	19 49.59	−30 3.6	1.361	2.368	4.5	17.4
7 20	19 37.34	−29 18.2	1.334	2.341	4.3	17.4
7 30	19 25.46	−28 17.7	1.332	2.315	8.3	17.5
8 9	19 15.50	−27 5.0	1.355	2.289	12.8	17.7
8 19	19 8.51	−25 45.2	1.400	2.264	17.0	17.9

472827 2015 FK_{176} 7 16.0 138°.37 4°.2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.91	− 8 43.5	2.291	3.099	13.2	21.5
6 20	20 3.37	− 8 18.7	2.218	3.111	10.6	21.4
6 30	19 56.08	− 8 4.6	2.168	3.123	7.7	21.2
7 10	19 47.62	− 8 1.2	2.144	3.134	5.1	21.1
7 20	19 38.71	− 8 8.0	2.147	3.145	4.3	21.0
7 30	19 30.17	− 8 23.5	2.178	3.155	6.1	21.2
8 9	19 22.75	− 8 45.5	2.236	3.164	8.8	21.3
8 19	19 17.03	− 9 11.5	2.318	3.173	11.5	21.5

371983 2008 GH_{95} 7 16.0 94°.62 5°.8/18.6 17

6 10	20 8.01	− 6 17.2	1.590	2.415	17.3	21.5
6 20	20 3.42	− 6 4.2	1.524	2.425	14.1	21.3
6 30	19 56.46	− 6 9.3	1.478	2.434	10.4	21.1
7 10	19 47.85	− 6 32.9	1.454	2.443	7.1	21.0
7 20	19 38.56	− 7 13.2	1.455	2.453	5.9	20.9
7 30	19 29.75	− 8 6.6	1.481	2.462	7.9	21.1
8 9	19 22.47	− 9 7.7	1.532	2.471	11.3	21.3
8 19	19 17.47	−10 11.6	1.605	2.479	14.7	21.5

218044 2002 CO_{44} 7 16.0 244°.16 0°.9/15.9 16

6 10	20 21.27	−26 16.0	1.277	2.138	18.7	19.9
6 20	20 14.55	−25 32.0	1.197	2.129	14.5	19.6
6 30	20 4.11	−24 43.2	1.136	2.120	9.5	19.3
7 10	19 50.92	−23 46.4	1.098	2.110	3.7	19.0
7 20	19 36.55	−22 40.4	1.086	2.099	2.6	18.9
7 30	19 22.92	−21 27.3	1.099	2.089	8.5	19.2
8 9	19 11.80	−20 11.5	1.136	2.078	14.1	19.5
8 19	19 4.26	−18 58.0	1.194	2.066	18.8	19.7

163338 2002 LS_{13} 7 16.0 356°.12 9°.5/16.7 17

6 10	20 5.21	− 8 38.3	1.193	2.052	19.9	18.3
6 20	20 2.02	− 6 29.9	1.127	2.045	16.5	18.1
6 30	19 55.92	− 4 32.4	1.079	2.039	13.0	17.9
7 10	19 47.73	− 2 52.7	1.052	2.035	10.2	17.7
7 20	19 38.64	− 1 36.9	1.047	2.033	9.7	17.7
7 30	19 30.09	− 0 48.4	1.064	2.032	11.8	17.8
8 9	19 23.42	− 0 25.9	1.101	2.034	15.2	18.0
8 19	19 19.53	− 0 25.1	1.156	2.037	18.7	18.2

425782 2011 CL_{68} 7 16.0 219°.28 1°.5/16.5 17

6 10	20 10.65	−17 35.2	1.789	2.635	14.9	21.6
6 20	20 5.41	−17 25.3	1.707	2.630	11.5	21.4
6 30	19 57.76	−17 22.1	1.646	2.625	7.6	21.1
7 10	19 48.38	−17 24.0	1.610	2.619	3.4	20.9
7 20	19 38.22	−17 29.2	1.600	2.613	2.2	20.8
7 30	19 28.42	−17 35.8	1.617	2.607	6.3	21.0
8 9	19 20.08	−17 42.2	1.660	2.600	10.5	21.2
8 19	19 14.00	−17 47.5	1.726	2.593	14.1	21.5

88204 2000 YM_{113} 7 16.0 201°.91 1°.0/15.5 18

6 10	20 5.97	−22 42.2	2.651	3.494	10.7	19.8
6 20	20 1.19	−23 13.8	2.567	3.491	8.1	19.6
6 30	19 54.76	−23 48.6	2.507	3.488	5.1	19.4
7 10	19 47.16	−24 23.9	2.474	3.485	2.1	19.2
7 20	19 39.03	−24 56.9	2.470	3.482	1.8	19.2
7 30	19 31.12	−25 25.2	2.494	3.478	4.9	19.4
8 9	19 24.15	−25 47.3	2.545	3.474	7.9	19.6
8 19	19 18.71	−26 2.9	2.621	3.469	10.5	19.8

311273 2005 EN_{225} 7 16.0 61°.24 2°.8/17.1 17

6 10	20 8.79	−13 31.6	1.327	2.186	18.3	20.8
6 20	20 4.44	−13 39.3	1.269	2.197	14.2	20.5
6 30	19 57.29	−14 1.8	1.230	2.209	9.6	20.3
7 10	19 48.21	−14 36.8	1.213	2.221	4.8	20.1
7 20	19 38.37	−15 20.4	1.221	2.233	3.2	20.0
7 30	19 29.17	−16 7.9	1.253	2.245	7.4	20.3
8 9	19 21.87	−16 54.6	1.309	2.258	11.9	20.6
8 19	19 17.28	−17 37.2	1.385	2.270	15.9	20.9

272779 2005 YG_{207} 7 16.1 30°.54 0°.8/16.3 17

6 10	20 6.65	−18 31.4	1.329	2.202	17.5	19.9
6 20	20 2.82	−18 39.2	1.275	2.214	13.3	19.7
6 30	19 56.23	−18 56.2	1.240	2.226	8.6	19.5
7 10	19 47.78	−19 19.2	1.228	2.240	3.4	19.2
7 20	19 38.66	−19 44.6	1.240	2.254	2.1	19.2
7 30	19 30.23	−20 8.6	1.276	2.269	7.1	19.5
8 9	19 23.69	−20 28.8	1.335	2.285	11.7	19.8
8 19	19 19.82	−20 43.8	1.415	2.301	15.6	20.1

344683 2003 SP_{263} 7 16.1 270°.62 2°.6/17.2 17 R

6 10	20 6.38	−13 22.7	1.892	2.732	14.4	21.0
6 20	20 2.07	−13 26.8	1.807	2.724	11.3	20.8
6 30	19 55.60	−13 41.9	1.743	2.717	7.7	20.5
7 10	19 47.56	−14 6.7	1.703	2.709	4.0	20.3
7 20	19 38.77	−14 39.1	1.690	2.701	2.8	20.2
7 30	19 30.23	−15 16.0	1.703	2.692	6.1	20.4
8 9	19 22.93	−15 54.4	1.742	2.684	9.9	20.6
8 19	19 17.62	−16 31.6	1.804	2.676	13.4	20.8

257740 2000 AZ_{131} 7 16.1 225°.49 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.42	−20 28.5	1.880	2.729	14.1	21.4
6 20	20 5.33	−21 13.4	1.792	2.719	10.8	21.1
6 30	19 57.81	−22 6.3	1.727	2.710	6.9	20.9
7 10	19 48.45	−23 2.9	1.688	2.699	2.7	20.6
7 20	19 38.16	−23 58.4	1.675	2.688	2.1	20.5
7 30	19 28.07	−24 48.1	1.691	2.677	6.5	20.8
8 9	19 19.33	−25 29.2	1.732	2.665	10.6	21.0
8 19	19 12.82	−26 0.4	1.796	2.652	14.2	21.2

10425 Landfermann 7 16.1 52°.19 1°.0/16.4 18

6 10	20 8.09	−17 32.6	1.550	2.409	16.1	18.1
6 20	20 3.66	−17 45.8	1.484	2.415	12.4	17.9
6 30	19 56.70	−18 8.3	1.439	2.422	8.0	17.7
7 10	19 47.98	−18 37.3	1.418	2.429	3.3	17.4
7 20	19 38.53	−19 9.3	1.422	2.436	2.0	17.3
7 30	19 29.59	−19 40.6	1.452	2.443	6.6	17.6
8 9	19 22.32	−20 8.4	1.506	2.451	11.0	17.9
8 19	19 17.48	−20 31.1	1.581	2.458	14.7	18.2

280986 2006 DD_{88} 7 16.1 279°.96 1°.0/16.4 18

6 10	20 7.24	−17 28.7	1.786	2.638	14.6	21.2
6 20	20 2.91	−17 41.3	1.701	2.628	11.3	20.9
6 30	19 56.23	−18 2.5	1.637	2.618	7.4	20.7
7 10	19 47.83	−18 30.1	1.597	2.608	3.1	20.4
7 20	19 38.59	−19 0.9	1.584	2.598	1.9	20.3
7 30	19 29.61	−19 31.9	1.597	2.587	6.3	20.6
8 9	19 21.98	−20 0.2	1.635	2.577	10.4	20.8
8 19	19 16.54	−20 24.3	1.695	2.567	14.2	21.0

100814 1998 FA_{125} 7 16.1 26°.73 0°.7/15.8 17

6 10	20 5.42	−19 39.9	1.021	1.913	20.0	19.0
6 20	20 2.59	−20 20.6	0.975	1.925	15.2	18.7
6 30	19 56.42	−21 13.1	0.947	1.938	9.6	18.4
7 10	19 47.94	−22 11.2	0.939	1.952	3.6	18.2
7 20	19 38.59	−23 7.4	0.953	1.967	2.7	18.1
7 30	19 30.12	−23 55.4	0.990	1.984	8.4	18.5
8 9	19 23.98	−24 31.4	1.047	2.001	13.6	18.9
8 19	19 21.05	−24 54.8	1.124	2.020	17.9	19.2

444673 2007 DU_{30} 7 16.1 175°.31 2°.9/17.9 18

6 10	20 4.21	− 9 26.3	2.797	3.607	11.1	21.9
6 20	19 59.67	− 9 34.2	2.713	3.609	8.8	21.8
6 30	19 53.69	− 9 51.7	2.651	3.610	6.2	21.6
7 10	19 46.74	−10 18.2	2.616	3.611	3.9	21.4
7 20	19 39.35	−10 52.2	2.609	3.612	3.0	21.4
7 30	19 32.16	−11 31.6	2.630	3.612	4.8	21.5
8 9	19 25.79	−12 14.0	2.680	3.613	7.3	21.7
8 19	19 20.73	−12 57.1	2.754	3.612	9.8	21.8

169862 2002 RY_{60} 7 16.1 265°.84 3°.0/17.6 18

6 10	20 5.68	−11 0.5	2.111	2.939	13.5	20.1
6 20	20 1.38	−11 10.2	2.016	2.925	10.7	19.9
6 30	19 55.11	−11 32.1	1.942	2.910	7.5	19.7
7 10	19 47.38	−12 5.2	1.893	2.895	4.3	19.5
7 20	19 38.89	−12 47.5	1.872	2.879	3.2	19.4
7 30	19 30.55	−13 36.2	1.877	2.864	5.9	19.5
8 9	19 23.26	−14 27.7	1.909	2.848	9.4	19.7
8 19	19 17.73	−15 18.7	1.965	2.832	12.7	19.9

137769 1999 XU_{189} 7 16.1 266°.04 0°.8/15.9 18

6 10	20 13.39	−23 35.2	1.718	2.571	15.1	20.2
6 20	20 7.91	−23 31.0	1.621	2.550	11.6	19.9
6 30	19 59.63	−23 28.7	1.545	2.528	7.5	19.6
7 10	19 49.21	−23 25.2	1.494	2.506	3.0	19.3
7 20	19 37.69	−23 17.4	1.469	2.483	2.2	19.2
7 30	19 26.40	−23 3.7	1.472	2.460	7.0	19.4
8 9	19 16.67	−22 43.8	1.499	2.436	11.6	19.6
8 19	19 9.50	−22 19.2	1.549	2.412	15.7	19.8

392535 2011 QZ_{92} 7 16.1 293°.27 2°.9/15.2 18

6 10	20 10.36	−28 53.1	1.922	2.778	13.6	21.1
6 20	20 5.26	−29 3.4	1.835	2.764	10.5	20.9
6 30	19 57.72	−29 12.0	1.770	2.751	7.0	20.7
7 10	19 48.40	−29 14.9	1.730	2.737	3.6	20.4
7 20	19 38.27	−29 8.8	1.717	2.724	3.6	20.4
7 30	19 28.52	−28 52.1	1.730	2.711	7.0	20.6
8 9	19 20.26	−28 25.2	1.769	2.698	10.7	20.8
8 19	19 14.30	−27 50.3	1.830	2.685	14.0	21.0

78538 2002 RP_{116} 7 16.1 135°.07 1°.2/15.6 18

6 10	20 11.30	−25 3.4	2.273	3.116	12.2	19.3
6 20	20 5.32	−25 5.8	2.202	3.126	9.3	19.1
6 30	19 57.38	−25 8.5	2.155	3.136	5.9	18.9
7 10	19 48.16	−25 9.0	2.134	3.145	2.4	18.7
7 20	19 38.48	−25 5.1	2.141	3.153	2.0	18.7
7 30	19 29.26	−24 55.7	2.177	3.162	5.4	18.9
8 9	19 21.36	−24 41.0	2.240	3.170	8.7	19.2
8 19	19 15.38	−24 21.8	2.327	3.177	11.6	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
179026 2001 RR_{92}			7 16.1 280°.72		3°.2/14.7 18	
	h m	° ′			°	m
6 10	20 10.49	−29 24.4	2.260	3.107	12.1	20.4
6 20	20 5.25	−29 53.6	2.153	3.077	9.4	20.1
6 30	19 57.72	−30 22.3	2.070	3.047	6.4	19.9
7 10	19 48.45	−30 46.5	2.013	3.017	3.7	19.7
7 20	19 38.23	−31 2.0	1.983	2.986	3.8	19.6
7 30	19 28.10	−31 6.3	1.981	2.955	6.8	19.7
8 9	19 19.15	−30 58.7	2.005	2.923	10.2	19.9
8 19	19 12.21	−30 40.4	2.052	2.891	13.3	20.0
41870 2000 WV_{99}			7 16.1 345°.47		1°.7/15.4 18	
6 10	20 8.74	−22 14.2	1.327	2.201	17.4	19.2
6 20	20 4.81	−22 56.7	1.258	2.199	13.3	19.0
6 30	19 57.81	−23 47.3	1.210	2.197	8.5	18.7
7 10	19 48.53	−24 40.3	1.183	2.195	3.5	18.4
7 20	19 38.20	−25 29.2	1.181	2.194	3.1	18.4
7 30	19 28.37	−26 8.7	1.204	2.193	8.1	18.7
8 9	19 20.49	−26 35.9	1.249	2.192	12.9	18.9
8 19	19 15.56	−26 50.9	1.314	2.192	17.1	19.2
328560 2009 RK_{74}			7 16.1 353°.79		3°.7/14.9 17	
6 10	20 4.02	−26 12.5	1.083	1.980	18.7	19.9
6 20	20 1.81	−26 51.7	1.021	1.973	14.4	19.6
6 30	19 56.16	−27 34.8	0.976	1.967	9.4	19.3
7 10	19 47.95	−28 15.0	0.953	1.963	4.7	19.1
7 20	19 38.58	−28 45.2	0.950	1.960	4.8	19.1
7 30	19 29.85	−29 0.5	0.970	1.959	9.6	19.3
8 9	19 23.39	−28 59.7	1.010	1.959	14.6	19.6
8 19	19 20.28	−28 44.7	1.068	1.961	19.0	19.9
172105 2002 GB_{18}			7 16.1 39°.64		2°.0/15.5 17	
6 10	20 9.63	−22 50.8	1.017	1.907	20.2	19.1
6 20	20 5.68	−23 28.1	0.980	1.929	15.2	18.9
6 30	19 58.27	−24 11.7	0.961	1.952	9.6	18.7
7 10	19 48.60	−24 54.7	0.963	1.975	3.9	18.5
7 20	19 38.28	−25 30.5	0.987	2.000	3.4	18.5
7 30	19 29.07	−25 54.6	1.033	2.025	8.7	18.9
8 9	19 22.43	−26 6.1	1.101	2.051	13.6	19.3
8 19	19 19.10	−26 6.1	1.188	2.077	17.7	19.6
440228 2004 PU_{82}			7 16.1 357°.56		10°.2/14.6 18	
6 10	20 13.98	−45 8.3	1.443	2.295	17.5	19.5
6 20	20 9.11	−45 31.7	1.381	2.289	14.7	19.3
6 30	20 0.56	−45 37.2	1.338	2.285	12.1	19.2
7 10	19 49.51	−45 16.8	1.315	2.282	10.4	19.1
7 20	19 37.68	−44 25.5	1.315	2.281	10.5	19.1
7 30	19 26.99	−43 4.0	1.338	2.281	12.4	19.2
8 9	19 19.00	−41 18.8	1.382	2.283	15.1	19.3
8 19	19 14.52	−39 18.5	1.447	2.286	17.9	19.5
318425 2005 BZ_{22}			7 16.1 187°.11		0°.8/15.7 18	
6 10	20 8.62	−21 55.0	2.087	2.936	12.9	21.3
6 20	20 3.61	−22 20.4	2.009	2.936	9.8	21.1
6 30	19 56.49	−22 50.1	1.953	2.935	6.3	20.9
7 10	19 47.90	−23 21.0	1.923	2.934	2.4	20.6
7 20	19 38.66	−23 49.7	1.920	2.933	1.9	20.6
7 30	19 29.74	−24 13.4	1.946	2.932	5.7	20.8
8 9	19 22.09	−24 30.7	1.997	2.931	9.4	21.1
8 19	19 16.40	−24 41.3	2.072	2.929	12.5	21.3
141224 2001 XK_{226}			7 16.1 345°.22		1°.8/15.4 18	
6 10	20 6.30	−24 31.9	1.771	2.636	14.2	19.6
6 20	20 2.24	−24 55.8	1.695	2.631	10.8	19.4
6 30	19 55.81	−25 22.7	1.641	2.626	6.9	19.2
7 10	19 47.68	−25 48.7	1.611	2.622	3.0	18.9
7 20	19 38.80	−26 10.0	1.607	2.619	2.7	18.9
7 30	19 30.30	−26 23.7	1.629	2.615	6.7	19.2
8 9	19 23.27	−26 28.8	1.676	2.613	10.6	19.4
8 19	19 18.50	−26 25.5	1.744	2.611	14.1	19.6
44919 1999 VC_{31}			7 16.1 232°.15		2°.2/16.8 18	
6 10	20 10.19	−15 33.7	1.750	2.594	15.2	17.8
6 20	20 5.17	−15 27.4	1.664	2.585	11.9	17.6
6 30	19 57.70	−15 30.1	1.600	2.577	8.0	17.3
7 10	19 48.43	−15 40.5	1.560	2.568	3.9	17.1
7 20	19 38.29	−15 56.6	1.546	2.558	2.6	17.0
7 30	19 28.45	−16 15.9	1.559	2.548	6.6	17.2
8 9	19 20.04	−16 36.1	1.597	2.538	10.8	17.4
8 19	19 13.90	−16 55.4	1.658	2.527	14.5	17.6
166434 2002 PD_{31}			7 16.1 329°.76		1°.4/15.7 18	
6 10	20 8.74	−24 36.1	1.696	2.559	14.8	19.4
6 20	20 4.18	−24 39.7	1.618	2.552	11.3	19.2
6 30	19 57.08	−24 44.9	1.561	2.546	7.3	18.9
7 10	19 48.18	−24 48.5	1.529	2.540	3.0	18.7
7 20	19 38.48	−24 47.5	1.522	2.535	2.5	18.6
7 30	19 29.24	−24 40.1	1.542	2.530	6.8	18.9
8 9	19 21.58	−24 26.0	1.586	2.525	10.9	19.1
8 19	19 16.34	−24 6.3	1.651	2.521	14.6	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
380795 2005 WK_{60}			7 16.1 231°.49		1°.5/16.6 17	
	h m	° ′			°	m
6 10	20 9.20	−16 50.9	1.881	2.725	14.3	22.3
6 20	20 4.25	−16 50.9	1.796	2.718	11.1	22.0
6 30	19 57.02	−16 58.6	1.732	2.711	7.3	21.8
7 10	19 48.15	−17 12.3	1.694	2.703	3.3	21.5
7 20	19 38.49	−17 29.8	1.682	2.695	2.1	21.4
7 30	19 29.13	−17 48.7	1.697	2.686	6.1	21.7
8 9	19 21.11	−18 6.9	1.738	2.678	10.1	21.9
8 19	19 15.19	−18 23.0	1.802	2.669	13.7	22.1
231080 2005 QN_{80}			7 16.1 330°.13		1°.3/15.6 18	
6 10	20 4.94	−21 56.1	1.247	2.131	17.6	20.1
6 20	20 2.20	−22 25.3	1.170	2.116	13.6	19.9
6 30	19 56.32	−23 3.1	1.111	2.101	8.8	19.5
7 10	19 48.04	−23 44.9	1.075	2.087	3.5	19.2
7 20	19 38.52	−24 24.9	1.061	2.074	2.9	19.1
7 30	19 29.35	−24 57.6	1.070	2.062	8.3	19.4
8 9	19 22.08	−25 20.1	1.102	2.052	13.5	19.7
8 19	19 17.84	−25 31.4	1.152	2.042	18.1	19.9
311160 2004 TG_{78}			7 16.1 187°.48		6°.1/18.3 18	
6 10	20 6.40	− 3 27.5	2.509	3.295	12.8	20.2
6 20	20 1.44	− 2 29.5	2.426	3.295	10.7	20.1
6 30	19 54.89	− 1 42.5	2.366	3.294	8.5	19.9
7 10	19 47.25	− 1 8.6	2.331	3.294	6.7	19.8
7 20	19 39.13	− 0 48.7	2.322	3.294	6.2	19.8
7 30	19 31.25	− 0 42.7	2.340	3.293	7.2	19.9
8 9	19 24.32	− 0 49.0	2.384	3.292	9.2	20.0
8 19	19 18.86	− 1 5.3	2.452	3.292	11.4	20.1
108515 2001 KW_{74}			7 16.1 143°.83		1°.0/15.6 18	
6 10	20 8.92	−22 31.6	2.172	3.019	12.6	20.3
6 20	20 3.71	−23 2.5	2.100	3.026	9.5	20.1
6 30	19 56.49	−23 37.1	2.051	3.033	6.1	19.9
7 10	19 47.89	−24 12.1	2.028	3.039	2.4	19.7
7 20	19 38.72	−24 44.0	2.033	3.045	2.0	19.7
7 30	19 29.91	−25 10.2	2.066	3.051	5.6	19.9
8 9	19 22.35	−25 29.2	2.125	3.056	9.0	20.2
8 19	19 16.70	−25 40.8	2.208	3.061	12.0	20.4
26099 1989 WH			7 16.1 247°.21		4°.3/17.8 18	
6 10	20 6.80	− 9 13.1	2.179	2.997	13.5	19.1
6 20	20 2.12	− 8 50.9	2.086	2.985	10.9	18.9
6 30	19 55.53	− 8 39.5	2.015	2.974	7.9	18.6
7 10	19 47.56	− 8 39.1	1.969	2.962	5.2	18.5
7 20	19 38.92	− 8 49.5	1.950	2.950	4.3	18.4
7 30	19 30.47	− 9 9.2	1.958	2.937	6.4	18.5
8 9	19 23.07	− 9 35.8	1.992	2.924	9.4	18.7
8 19	19 17.40	−10 6.7	2.049	2.911	12.5	18.8
443062 2013 FM_{16}			7 16.1 129°.79		3°.8/14.3 18	
6 10	20 8.78	−32 21.0	2.457	3.303	11.3	20.8
6 20	20 3.52	−32 55.0	2.386	3.307	8.8	20.7
6 30	19 56.33	−33 25.9	2.338	3.311	6.1	20.5
7 10	19 47.82	−33 49.8	2.317	3.314	4.1	20.4
7 20	19 38.78	−34 3.4	2.323	3.318	4.3	20.4
7 30	19 30.13	−34 5.1	2.356	3.321	6.5	20.6
8 9	19 22.71	−33 55.1	2.416	3.324	9.1	20.7
8 19	19 17.14	−33 34.9	2.499	3.328	11.6	20.9
466068 2011 WB_{98}			7 16.1 164°.15		0°.5/15.9 17	
6 10	20 12.14	−19 42.8	1.630	2.482	15.7	22.3
6 20	20 6.80	−20 20.8	1.558	2.487	12.0	22.1
6 30	19 58.79	−21 7.2	1.508	2.491	7.7	21.8
7 10	19 48.87	−21 57.8	1.482	2.494	2.9	21.5
7 20	19 38.08	−22 47.2	1.483	2.497	2.1	21.5
7 30	19 27.74	−23 30.9	1.511	2.499	6.8	21.8
8 9	19 19.07	−24 6.2	1.563	2.501	11.2	22.1
8 19	19 12.93	−24 32.2	1.638	2.502	15.0	22.3
433770 2015 BU_{44}			7 16.1 141°.77		3°.0/15.1 17	
6 10	20 13.98	−28 2.8	1.748	2.602	14.8	21.7
6 20	20 8.05	−28 27.8	1.680	2.609	11.3	21.5
6 30	19 59.47	−28 52.1	1.635	2.616	7.4	21.3
7 10	19 49.08	−29 10.8	1.615	2.622	3.8	21.1
7 20	19 37.98	−29 19.7	1.621	2.628	3.8	21.1
7 30	19 27.49	−29 16.9	1.654	2.633	7.3	21.3
8 9	19 18.77	−29 2.8	1.712	2.638	11.1	21.6
8 19	19 12.63	−28 39.5	1.792	2.643	14.4	21.8
121581 1999 VK_{101}			7 16.1 165°.93		0°.4/15.8 18	
6 10	20 5.96	−21 35.3	2.704	3.544	10.6	20.7
6 20	20 1.11	−21 55.2	2.624	3.547	8.0	20.5
6 30	19 54.68	−22 18.2	2.569	3.549	5.1	20.3
7 10	19 47.17	−22 42.2	2.540	3.552	1.9	20.1
7 20	19 39.20	−23 4.8	2.540	3.554	1.4	20.1
7 30	19 31.49	−23 24.3	2.569	3.555	4.6	20.3
8 9	19 24.73	−23 39.3	2.625	3.557	7.5	20.5
8 19	19 19.45	−23 49.4	2.707	3.558	10.1	20.7

91913 1999 VD_{30} 7 16.1 301.°20 2.°6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.25	−26 33.9	2.138	2.995	12.4	19.4
6 20	20 1.98	−27 12.8	2.049	2.980	9.5	19.2
6 30	19 55.58	−27 53.8	1.983	2.965	6.2	18.9
7 10	19 47.62	−28 32.8	1.943	2.951	3.2	18.7
7 20	19 38.88	−29 5.9	1.929	2.936	3.3	18.7
7 30	19 30.36	−29 29.8	1.943	2.922	6.4	18.9
8 9	19 23.02	−29 43.2	1.982	2.908	9.9	19.0
8 19	19 17.64	−29 46.3	2.044	2.895	13.0	19.2

250790 2005 TK_{86} 7 16.1 274.°07 2.°0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.78	−26 56.5	2.469	3.314	11.3	21.4
6 20	20 3.65	−27 14.9	2.365	3.290	8.7	21.1
6 30	19 56.55	−27 33.8	2.285	3.265	5.7	20.9
7 10	19 47.97	−27 49.8	2.231	3.240	2.8	20.7
7 20	19 38.65	−28 0.2	2.206	3.214	2.7	20.6
7 30	19 29.47	−28 3.0	2.209	3.188	5.7	20.8
8 9	19 21.33	−27 57.4	2.238	3.162	9.0	21.0
8 19	19 14.95	−27 44.2	2.291	3.136	12.0	21.1

108866 2001 OO_{99} 7 16.1 301.°70 2.°3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 5.90	−13 14.0	1.499	2.354	16.8	19.4
6 20	20 2.38	−13 42.1	1.412	2.339	13.2	19.2
6 30	19 56.21	−14 26.5	1.346	2.325	8.9	18.9
7 10	19 47.97	−15 25.3	1.303	2.311	4.3	18.6
7 20	19 38.65	−16 34.0	1.284	2.297	2.7	18.4
7 30	19 29.50	−17 46.9	1.291	2.283	7.1	18.7
8 9	19 21.85	−18 58.1	1.321	2.270	11.9	18.9
8 19	19 16.67	−20 3.1	1.373	2.257	16.1	19.1

125869 2001 XW_{193} 7 16.1 262.°21 1.°2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.24	−17 7.2	1.800	2.649	14.7	20.3
6 20	20 3.69	−17 15.7	1.712	2.638	11.4	20.1
6 30	19 56.78	−17 32.9	1.647	2.627	7.5	19.8
7 10	19 48.12	−17 56.5	1.605	2.615	3.2	19.5
7 20	19 38.59	−18 23.9	1.590	2.604	2.0	19.4
7 30	19 29.32	−18 52.0	1.602	2.592	6.3	19.7
8 9	19 21.40	−19 18.2	1.639	2.580	10.5	19.9
8 19	19 15.66	−19 40.8	1.698	2.569	14.2	20.1

257861 2000 QD_{242} 7 16.1 290.°60 2.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.12	−24 53.6	1.361	2.233	17.2	21.2
6 20	20 6.81	−25 8.1	1.279	2.218	13.2	20.9
6 30	19 59.25	−25 25.8	1.216	2.202	8.6	20.6
7 10	19 49.19	−25 42.0	1.175	2.187	3.7	20.3
7 20	19 37.87	−25 51.6	1.159	2.171	3.3	20.2
7 30	19 26.92	−25 51.4	1.167	2.156	8.3	20.5
8 9	19 17.93	−25 40.7	1.198	2.141	13.4	20.7
8 19	19 12.02	−25 21.0	1.249	2.126	17.8	20.9

104451 2000 GJ_{7} 7 16.1 186.°01 3.°3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.61	−29 38.5	2.139	2.989	12.6	20.5
6 20	20 5.17	−30 7.2	2.063	2.989	9.7	20.3
6 30	19 57.52	−30 34.4	2.011	2.989	6.5	20.1
7 10	19 48.33	−30 55.7	1.984	2.988	3.7	19.9
7 20	19 38.50	−31 7.8	1.984	2.987	3.8	19.9
7 30	19 29.08	−31 8.6	2.012	2.986	6.7	20.1
8 9	19 21.05	−30 58.2	2.066	2.985	9.9	20.3
8 19	19 15.13	−30 38.2	2.142	2.984	12.8	20.5

169075 2001 GX_{10} 7 16.1 154.°15 0.°2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.83	−18 43.0	1.734	2.584	15.1	20.5
6 20	20 5.60	−19 8.8	1.662	2.589	11.5	20.3
6 30	19 57.93	−19 42.7	1.612	2.594	7.4	20.0
7 10	19 48.53	−20 21.2	1.587	2.598	2.9	19.8
7 20	19 38.37	−21 0.4	1.588	2.602	1.8	19.7
7 30	19 28.65	−21 36.4	1.616	2.606	6.3	20.0
8 9	19 20.47	−22 6.8	1.670	2.609	10.5	20.3
8 19	19 14.62	−22 30.5	1.746	2.612	14.1	20.5

18514 1996 TE_{11} 7 16.1 259.°18 9.°3/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.34	+ 9 27.1	2.632	3.335	14.2	21.4
6 20	20 3.17	+ 9 59.5	2.514	3.304	12.7	21.2
6 30	19 56.21	+10 13.6	2.416	3.272	11.2	21.1
7 10	19 47.88	+10 5.9	2.340	3.239	9.9	20.9
7 20	19 38.75	+ 9 34.8	2.288	3.205	9.3	20.8
7 30	19 29.57	+ 8 40.5	2.263	3.170	9.8	20.8
8 9	19 21.13	+ 7 25.9	2.262	3.133	11.2	20.8
8 19	19 14.11	+ 5 55.7	2.286	3.096	13.1	20.9

134630 1999 TC_{315} 7 16.1 262.°22 0.°4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.82	−21 52.5	1.670	2.525	15.3	20.6
6 20	20 6.76	−21 58.2	1.577	2.508	11.8	20.3
6 30	19 58.94	−22 8.3	1.506	2.490	7.6	20.0
7 10	19 49.02	−22 20.0	1.459	2.471	3.0	19.7
7 20	19 38.01	−22 29.7	1.439	2.452	2.1	19.6
7 30	19 27.25	−22 34.8	1.444	2.433	7.0	19.8
8 9	19 18.03	−22 34.1	1.475	2.414	11.6	20.1
8 19	19 11.36	−22 27.9	1.527	2.394	15.7	20.3

314566 2005 YH_{180} 7 16.1 231.°89 1.°8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.51	−25 27.6	2.577	3.424	10.8	21.2
6 20	20 1.73	−25 58.7	2.491	3.417	8.2	21.0
6 30	19 55.21	−26 31.4	2.430	3.410	5.3	20.8
7 10	19 47.44	−27 2.6	2.394	3.404	2.5	20.6
7 20	19 39.09	−27 29.5	2.387	3.397	2.4	20.6
7 30	19 30.97	−27 49.7	2.409	3.389	5.3	20.8
8 9	19 23.85	−28 2.2	2.457	3.382	8.3	21.0
8 19	19 18.34	−28 7.1	2.529	3.374	10.9	21.1

74229 1998 SE_{18} 7 16.1 294.°47 0.°3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 6.66	−18 51.4	1.831	2.685	14.2	20.0
6 20	20 2.47	−19 12.5	1.746	2.675	10.9	19.7
6 30	19 55.98	−19 41.4	1.683	2.666	7.1	19.5
7 10	19 47.81	−20 15.4	1.645	2.657	2.8	19.2
7 20	19 38.83	−20 51.0	1.633	2.647	1.7	19.1
7 30	19 30.11	−21 24.7	1.648	2.638	6.1	19.4
8 9	19 22.71	−21 53.9	1.688	2.629	10.2	19.6
8 19	19 17.45	−22 17.2	1.750	2.620	13.9	19.8

279535 2011 BQ_{60} 7 16.1 203.°99 2.°4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.40	−26 11.4	1.995	2.844	13.4	21.8
6 20	20 6.72	−26 45.9	1.913	2.840	10.3	21.6
6 30	19 58.64	−27 22.1	1.854	2.835	6.7	21.4
7 10	19 48.82	−27 55.6	1.821	2.829	3.2	21.2
7 20	19 38.19	−28 22.0	1.815	2.823	3.2	21.2
7 30	19 27.91	−28 38.5	1.837	2.816	6.7	21.4
8 9	19 19.05	−28 44.1	1.884	2.809	10.4	21.6
8 19	19 12.43	−28 39.9	1.955	2.801	13.6	21.8

255901 2006 SH_{306} 7 16.1 283.°96 0.°9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 9.66	−21 36.3	1.542	2.405	16.0	20.9
6 20	20 5.43	−22 0.8	1.448	2.383	12.3	20.6
6 30	19 58.28	−22 32.8	1.375	2.360	8.0	20.3
7 10	19 48.83	−23 8.3	1.325	2.337	3.1	20.0
7 20	19 38.12	−23 42.5	1.301	2.314	2.4	19.9
7 30	19 27.53	−24 11.0	1.302	2.291	7.6	20.1
8 9	19 18.51	−24 31.1	1.326	2.268	12.5	20.3
8 19	19 12.18	−24 42.3	1.372	2.244	16.8	20.5

195263 2002 ET_{55} 7 16.1 73.°42 0.°7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 9.60	−19 21.9	1.692	2.546	15.2	20.3
6 20	20 4.62	−19 20.4	1.626	2.555	11.6	20.1
6 30	19 57.24	−19 25.0	1.581	2.563	7.5	19.9
7 10	19 48.24	−19 33.3	1.561	2.572	3.0	19.6
7 20	19 38.62	−19 42.8	1.567	2.581	1.8	19.6
7 30	19 29.54	−19 51.3	1.599	2.590	6.3	19.9
8 9	19 22.04	−19 57.4	1.656	2.598	10.4	20.1
8 19	19 16.86	−20 0.5	1.736	2.607	13.9	20.4

31807 Shaunalennon 7 16.1 83.°85 1.°1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.89	−24 17.9	1.718	2.572	15.0	18.3
6 20	20 7.01	−24 17.5	1.659	2.589	11.4	18.1
6 30	19 58.68	−24 18.4	1.622	2.605	7.2	17.9
7 10	19 48.76	−24 17.5	1.609	2.621	2.9	17.6
7 20	19 38.32	−24 12.3	1.623	2.636	2.2	17.6
7 30	19 28.59	−24 1.3	1.665	2.652	6.4	17.9
8 9	19 20.60	−23 45.0	1.731	2.668	10.4	18.2
8 19	19 15.05	−23 24.5	1.820	2.683	13.7	18.4

316061 2009 HL_{75} 7 16.1 37.°32 0.°9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.09	−20 21.5	1.140	2.022	19.0	20.5
6 20	20 4.43	−21 0.4	1.089	2.034	14.5	20.2
6 30	19 57.55	−21 49.2	1.058	2.047	9.2	20.0
7 10	19 48.45	−22 42.0	1.048	2.060	3.5	19.7
7 20	19 38.50	−23 32.3	1.060	2.074	2.6	19.7
7 30	19 29.35	−24 14.3	1.097	2.089	8.1	20.1
8 9	19 22.43	−24 45.2	1.155	2.104	13.1	20.4
8 19	19 18.61	−25 4.3	1.233	2.120	17.3	20.7

507471 2012 TO_{240} 7 16.1 221.°28 4.°3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.76	−33 1.9	2.466	3.307	11.5	22.5
6 20	20 6.00	−33 52.4	2.380	3.297	9.0	22.3
6 30	19 58.09	−34 40.5	2.317	3.286	6.4	22.1
7 10	19 48.61	−35 21.4	2.281	3.274	4.5	22.0
7 20	19 38.37	−35 50.8	2.273	3.263	4.9	22.0
7 30	19 28.35	−36 6.0	2.293	3.250	7.1	22.1
8 9	19 19.55	−36 6.7	2.338	3.237	9.8	22.2
8 19	19 12.71	−35 54.6	2.407	3.223	12.3	22.4

254146 2004 PD_{75} 7 16.1 330.°74 7.°5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.22	−44 12.0	2.227	3.049	13.1	20.1
6 20	20 10.37	−44 39.1	2.157	3.047	11.0	20.0
6 30	20 0.88	−44 54.0	2.109	3.046	8.9	19.8
7 10	19 49.63	−44 51.1	2.085	3.044	7.7	19.8
7 20	19 37.79	−44 26.6	2.087	3.043	7.9	19.8
7 30	19 26.70	−43 40.2	2.115	3.041	9.4	19.9
8 9	19 17.50	−42 35.0	2.167	3.040	11.5	20.0
8 19	19 10.93	−41 16.1	2.242	3.039	13.7	20.2

256919 2008 EX_6 7 16.1 195°.18 4°.2/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.18	−30 17.9	1.839	2.691	14.3	21.5
6 20	20 8.33	−31 2.0	1.764	2.689	11.0	21.3
6 30	19 59.79	−31 44.8	1.710	2.687	7.5	21.1
7 10	19 49.31	−32 20.5	1.682	2.684	4.6	20.9
7 20	19 37.95	−32 43.8	1.681	2.681	4.8	20.9
7 30	19 27.04	−32 51.8	1.706	2.677	7.9	21.1
8 9	19 17.81	−32 44.7	1.756	2.673	11.5	21.3
8 19	19 11.15	−32 24.8	1.828	2.668	14.7	21.5

437163 2012 VC_{46} 7 16.1 302°.57 0°.9/15.7 18

6 10	20 6.38	−20 45.8	1.702	2.564	14.8	20.7
6 20	20 2.60	−21 23.7	1.610	2.545	11.3	20.5
6 30	19 56.29	−22 10.1	1.540	2.525	7.3	20.2
7 10	19 48.03	−23 1.2	1.494	2.506	2.9	19.9
7 20	19 38.72	−23 52.1	1.474	2.487	2.3	19.8
7 30	19 29.56	−24 38.1	1.479	2.468	6.9	20.0
8 9	19 21.78	−25 15.7	1.509	2.450	11.3	20.2
8 19	19 16.32	−25 43.6	1.561	2.432	15.2	20.4

217335 2004 RG_{87} 7 16.1 348°.42 2°.3/16.9 18 R

6 10	20 5.94	−15 37.8	2.034	2.877	13.4	19.8
6 20	20 1.54	−15 15.4	1.954	2.874	10.5	19.6
6 30	19 55.18	−14 59.7	1.896	2.871	7.0	19.4
7 10	19 47.46	−14 50.2	1.863	2.869	3.6	19.2
7 20	19 39.16	−14 46.1	1.856	2.867	2.6	19.1
7 30	19 31.19	−14 46.1	1.877	2.865	5.7	19.3
8 9	19 24.42	−14 49.0	1.923	2.864	9.2	19.5
8 19	19 19.51	−14 53.4	1.993	2.863	12.4	19.7

444327 2005 WL_{38} 7 16.1 277°.02 0°.8/15.7 15

6 10	20 6.52	−22 29.1	2.328	3.175	11.8	21.9
6 20	20 1.98	−22 50.0	2.231	3.158	9.0	21.6
6 30	19 55.51	−23 14.6	2.158	3.141	5.8	21.4
7 10	19 47.63	−23 40.3	2.112	3.123	2.3	21.2
7 20	19 39.04	−24 4.1	2.092	3.105	1.8	21.1
7 30	19 30.61	−24 23.6	2.101	3.088	5.4	21.3
8 9	19 23.23	−24 37.4	2.137	3.070	8.9	21.5
8 19	19 17.57	−24 45.1	2.196	3.052	12.0	21.7

191041 2002 CY_{27} 7 16.1 118°.52 3°.2/14.9 18

6 10	20 13.24	−29 9.3	1.907	2.759	13.9	20.1
6 20	20 7.27	−29 34.8	1.843	2.770	10.6	19.9
6 30	19 58.89	−29 58.4	1.802	2.781	7.0	19.7
7 10	19 48.89	−30 15.7	1.786	2.792	3.9	19.5
7 20	19 38.30	−30 23.0	1.797	2.802	3.9	19.6
7 30	19 28.31	−30 18.6	1.835	2.812	7.0	19.8
8 9	19 19.98	−30 3.1	1.899	2.822	10.4	20.0
8 19	19 14.01	−29 38.5	1.985	2.831	13.5	20.2

445256 2009 QG_{64} 7 16.1 293°.95 2°.3/17.6 18

6 10	20 4.01	−10 53.2	2.315	3.140	12.6	20.5
6 20	20 0.02	−11 32.0	2.217	3.126	9.9	20.2
6 30	19 54.25	−12 24.1	2.142	3.111	6.8	20.0
7 10	19 47.15	−13 27.5	2.093	3.096	3.7	19.8
7 20	19 39.35	−14 39.4	2.071	3.082	2.5	19.7
7 30	19 31.66	−15 55.6	2.078	3.067	5.2	19.9
8 9	19 24.87	−17 12.0	2.113	3.053	8.6	20.0
8 19	19 19.66	−18 24.8	2.172	3.039	11.7	20.2

188147 2002 EP_{96} 7 16.1 356°.06 0°.3/16.2 18

6 10	20 4.27	−19 31.0	1.775	2.636	14.3	19.8
6 20	20 0.63	−19 40.0	1.700	2.633	10.9	19.5
6 30	19 54.77	−19 55.5	1.646	2.630	7.0	19.3
7 10	19 47.36	−20 15.1	1.617	2.628	2.8	19.0
7 20	19 39.25	−20 35.9	1.613	2.627	1.7	19.0
7 30	19 31.52	−20 55.3	1.635	2.627	6.0	19.2
8 9	19 25.15	−21 11.3	1.682	2.627	10.0	19.5
8 19	19 20.87	−21 22.8	1.751	2.628	13.5	19.7

128333 2004 FL_{55} 7 16.1 239°.90 0°.7/16.4 18

6 10	20 6.75	−17 59.6	2.116	2.960	12.9	20.3
6 20	20 2.18	−18 14.6	2.032	2.956	9.9	20.1
6 30	19 55.63	−18 36.5	1.972	2.952	6.4	19.9
7 10	19 47.67	−19 3.0	1.937	2.947	2.6	19.7
7 20	19 39.06	−19 31.6	1.929	2.943	1.6	19.6
7 30	19 30.71	−19 59.6	1.949	2.938	5.4	19.8
8 9	19 23.53	−20 24.8	1.995	2.934	9.1	20.0
8 19	19 18.19	−20 45.9	2.064	2.929	12.3	20.2

95568 2002 EZ_{108} 7 16.1 338°.90 0°.8/15.7 18

6 10	20 6.29	−22 34.2	2.133	2.986	12.5	20.2
6 20	20 1.84	−22 51.1	2.055	2.984	9.5	20.0
6 30	19 55.39	−23 11.4	1.999	2.982	6.1	19.8
7 10	19 47.57	−23 32.4	1.968	2.980	2.4	19.5
7 20	19 39.13	−23 51.2	1.965	2.978	1.9	19.5
7 30	19 31.02	−24 5.5	1.989	2.976	5.6	19.7
8 9	19 24.11	−24 14.3	2.039	2.975	9.1	19.9
8 19	19 19.07	−24 17.2	2.112	2.973	12.2	20.1

498954 2009 BG_{87} 7 16.1 130°.19 0°.2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.41	−19 3.1	1.447	2.307	17.0	22.2
6 20	20 6.49	−19 24.3	1.380	2.312	13.0	22.0
6 30	19 58.73	−19 54.5	1.333	2.317	8.4	21.7
7 10	19 48.93	−20 29.9	1.309	2.321	3.3	21.4
7 20	19 38.26	−21 5.9	1.311	2.326	2.0	21.4
7 30	19 28.14	−21 38.3	1.339	2.330	7.2	21.7
8 9	19 19.87	−22 4.5	1.390	2.334	11.8	22.0
8 19	19 14.33	−22 23.6	1.463	2.337	15.8	22.2

490841 2010 WS_{51} 7 16.1 105°.75 17°.5/ 6.5 17

6 10	20 23.90	−48 5.5	1.083	1.937	21.8	20.8
6 20	20 19.59	−51 34.9	1.048	1.943	19.4	20.6
6 30	20 9.22	−54 45.2	1.032	1.949	17.9	20.5
7 10	19 53.59	−57 14.7	1.036	1.954	17.6	20.6
7 20	19 35.10	−58 47.0	1.059	1.960	18.8	20.6
7 30	19 17.57	−59 17.3	1.099	1.965	20.7	20.8
8 9	19 4.55	−58 54.3	1.154	1.970	23.0	21.0
8 19	18 57.85	−57 52.3	1.221	1.975	25.1	21.2

251334 2007 EZ_3 7 16.1 243°.55 3°.5/18.0 18

6 10	20 4.43	− 8 45.0	2.651	3.460	11.6	21.0
6 20	20 0.04	− 8 40.9	2.554	3.449	9.3	20.8
6 30	19 54.10	− 8 47.0	2.481	3.437	6.8	20.7
7 10	19 47.05	− 9 3.0	2.433	3.425	4.4	20.5
7 20	19 39.47	− 9 28.0	2.412	3.413	3.6	20.4
7 30	19 32.03	−10 0.3	2.420	3.400	5.3	20.5
8 9	19 25.41	−10 37.4	2.455	3.387	7.9	20.7
8 19	19 20.16	−11 17.1	2.515	3.374	10.5	20.8

390054 2012 UH_{76} 7 16.1 325°.97 0°.9/16.5 16

6 10	20 6.22	−17 49.0	1.638	2.497	15.4	21.4
6 20	20 2.35	−18 0.5	1.558	2.490	11.8	21.2
6 30	19 56.02	−18 20.8	1.499	2.482	7.7	20.9
7 10	19 47.90	−18 47.8	1.464	2.475	3.2	20.6
7 20	19 38.92	−19 18.0	1.454	2.468	1.9	20.5
7 30	19 30.26	−19 48.1	1.470	2.462	6.5	20.8
8 9	19 23.08	−20 15.2	1.510	2.456	10.9	21.0
8 19	19 18.21	−20 37.7	1.572	2.451	14.7	21.3

477709 2010 RF_{164} 7 16.1 250°.61 5°.9/13.4 18

6 10	20 12.75	−39 12.7	2.476	3.309	11.7	21.5
6 20	20 6.84	−39 51.5	2.392	3.297	9.5	21.3
6 30	19 58.65	−40 23.3	2.331	3.284	7.3	21.2
7 10	19 48.85	−40 43.1	2.296	3.272	6.0	21.0
7 20	19 38.33	−40 46.9	2.288	3.259	6.3	21.0
7 30	19 28.18	−40 33.0	2.306	3.246	8.1	21.1
8 9	19 19.41	−40 2.6	2.350	3.233	10.4	21.3
8 19	19 12.79	−39 18.6	2.416	3.219	12.7	21.4

513089 2017 WZ_{21} 7 16.1 162°.65 8°.8/20.3 18

6 10	20 7.77	+ 6 22.9	2.549	3.277	14.1	21.8
6 20	20 2.49	+ 7 24.9	2.473	3.282	12.4	21.7
6 30	19 55.60	+ 8 10.4	2.417	3.288	10.7	21.6
7 10	19 47.61	+ 8 36.6	2.384	3.292	9.3	21.5
7 20	19 39.14	+ 8 42.1	2.376	3.297	8.8	21.5
7 30	19 30.91	+ 8 27.3	2.393	3.300	9.3	21.5
8 9	19 23.62	+ 7 54.8	2.434	3.303	10.6	21.6
8 19	19 17.82	+ 7 8.4	2.498	3.306	12.2	21.7

195163 2002 CR_{230} 7 16.1 170°.20 1°.9/15.3 17

6 10	20 10.10	−24 53.0	2.015	2.866	13.2	20.7
6 20	20 4.86	−25 24.3	1.940	2.868	10.1	20.5
6 30	19 57.40	−25 58.0	1.888	2.870	6.5	20.3
7 10	19 48.37	−26 30.1	1.861	2.871	2.9	20.0
7 20	19 38.66	−26 56.8	1.862	2.872	2.7	20.0
7 30	19 29.33	−27 15.3	1.890	2.873	6.3	20.3
8 9	19 21.39	−27 24.7	1.945	2.874	9.8	20.5
8 19	19 15.55	−27 25.4	2.022	2.874	13.0	20.7

428255 2007 BQ_{61} 7 16.1 182°.67 1°.0/15.8 17

6 10	20 12.48	−23 34.1	1.837	2.688	14.3	22.1
6 20	20 6.81	−23 41.1	1.761	2.688	10.9	21.9
6 30	19 58.71	−23 50.4	1.706	2.688	7.0	21.6
7 10	19 48.89	−23 58.9	1.677	2.688	2.8	21.4
7 20	19 38.36	−24 3.5	1.675	2.688	2.1	21.3
7 30	19 28.28	−24 2.3	1.700	2.687	6.4	21.6
8 9	19 19.75	−23 54.9	1.750	2.685	10.4	21.8
8 19	19 13.56	−23 42.0	1.824	2.684	13.9	22.0

174427 2002 WL_{19} 7 16.1 346°.96 0°.1/16.1 18

6 10	20 6.46	−19 42.6	1.857	2.712	14.0	20.5
6 20	20 2.24	−20 5.2	1.780	2.710	10.7	20.3
6 30	19 55.80	−20 34.5	1.725	2.708	6.9	20.1
7 10	19 47.79	−21 7.7	1.695	2.707	2.7	19.8
7 20	19 39.07	−21 41.2	1.691	2.706	1.7	19.7
7 30	19 30.69	−22 11.9	1.715	2.705	6.0	20.0
8 9	19 23.65	−22 37.3	1.763	2.704	9.9	20.2
8 19	19 18.70	−22 56.5	1.834	2.703	13.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
368145 2013 LG_{17}			7 16.1 52.°88	6.°4/17.9 17		
	h m	° ′			°	m
6 10	20 9.49	− 9 3.0	1.261	2.110	19.6	20.2
6 20	20 5.10	− 8 16.2	1.202	2.119	15.8	20.0
6 30	19 57.85	− 7 46.4	1.162	2.128	11.6	19.8
7 10	19 48.61	− 7 35.4	1.143	2.138	7.7	19.6
7 20	19 38.59	− 7 42.7	1.147	2.147	6.5	19.6
7 30	19 29.22	− 8 5.9	1.174	2.158	9.1	19.7
8 9	19 21.80	− 8 40.5	1.224	2.168	13.0	20.0
8 19	19 17.15	− 9 21.3	1.293	2.178	16.8	20.2
342729 2008 WG_{34}			7 16.1 277.°61	1.°0/16.5 18		
6 10	20 7.73	−17 42.6	1.807	2.657	14.5	21.4
6 20	20 3.34	−17 50.7	1.720	2.646	11.2	21.2
6 30	19 56.60	−18 6.8	1.655	2.635	7.4	20.9
7 10	19 48.14	−18 28.8	1.614	2.624	3.1	20.6
7 20	19 38.84	−18 54.0	1.599	2.613	1.9	20.5
7 30	19 29.79	−19 19.4	1.611	2.602	6.2	20.8
8 9	19 22.08	−19 42.5	1.648	2.591	10.4	21.0
8 19	19 16.54	−20 1.9	1.708	2.579	14.1	21.2
347982 2003 SG_{98}			7 16.1 257.°31	3.°3/17.4 16		
6 10	20 8.61	−11 21.5	2.370	3.186	12.6	22.4
6 20	20 3.51	−11 5.3	2.261	3.163	10.1	22.2
6 30	19 56.51	−10 57.7	2.175	3.138	7.2	22.0
7 10	19 48.07	−10 58.8	2.115	3.113	4.3	21.8
7 20	19 38.87	−11 7.9	2.082	3.087	3.5	21.7
7 30	19 29.74	−11 23.7	2.078	3.060	5.8	21.8
8 9	19 21.52	−11 44.4	2.101	3.033	9.1	21.9
8 19	19 14.94	−12 7.9	2.148	3.005	12.2	22.1
511602 2015 AM_{258}			7 16.1 213.°82	1.°6/15.4 17		
6 10	20 12.05	−23 5.9	1.844	2.695	14.3	22.4
6 20	20 6.68	−23 44.0	1.760	2.688	10.9	22.2
6 30	19 58.77	−24 27.1	1.699	2.681	7.0	21.9
7 10	19 48.99	−25 10.9	1.663	2.674	2.9	21.6
7 20	19 38.30	−25 50.6	1.654	2.665	2.6	21.6
7 30	19 27.89	−26 22.3	1.672	2.657	6.7	21.8
8 9	19 18.94	−26 44.0	1.716	2.647	10.8	22.1
8 19	19 12.34	−26 55.9	1.783	2.637	14.4	22.3
61343 2000 PC_{5}			7 16.1 342.°59	0.°6/16.4 18		
6 10	19 53.78	−14 15.4	0.843	1.753	21.3	17.4
6 20	19 54.56	−15 19.7	0.772	1.732	16.7	17.0
6 30	19 51.98	−16 54.1	0.718	1.712	11.0	16.6
7 10	19 46.65	−18 54.9	0.681	1.695	4.5	16.2
7 20	19 39.74	−21 11.6	0.664	1.679	2.6	16.0
7 30	19 33.09	−23 29.4	0.667	1.667	9.6	16.4
8 9	19 28.63	−25 33.6	0.688	1.657	16.1	16.7
8 19	19 27.79	−27 14.7	0.725	1.650	21.7	16.9
13845 Jillburnett			7 16.1 5.°14	0.°3/16.2 18		
6 10	20 4.22	−19 7.6	1.780	2.641	14.3	18.7
6 20	20 0.58	−19 23.4	1.708	2.641	10.9	18.5
6 30	19 54.75	−19 46.4	1.658	2.642	7.0	18.2
7 10	19 47.40	−20 13.9	1.632	2.644	2.8	18.0
7 20	19 39.38	−20 42.7	1.632	2.646	1.7	17.9
7 30	19 31.74	−21 9.8	1.658	2.649	6.0	18.2
8 9	19 25.47	−21 32.8	1.708	2.653	9.9	18.4
8 19	19 21.27	−21 50.6	1.781	2.657	13.4	18.7
442095 2010 TP_{39}			7 16.1 306.°83	1.°3/16.7 18		
6 10	20 5.14	−16 57.4	2.035	2.882	13.3	21.4
6 20	20 1.12	−17 2.8	1.943	2.868	10.3	21.2
6 30	19 55.08	−17 15.7	1.874	2.854	6.8	20.9
7 10	19 47.54	−17 34.6	1.830	2.840	3.0	20.7
7 20	19 39.27	−17 57.3	1.812	2.826	1.9	20.6
7 30	19 31.20	−18 21.3	1.822	2.812	5.6	20.8
8 9	19 24.27	−18 44.3	1.857	2.799	9.4	21.0
8 19	19 19.20	−19 4.9	1.915	2.786	12.8	21.2
478372 2011 YW_{56}			7 16.1 151.°87	0.°5/15.8 18		
6 10	20 5.79	−21 33.2	2.943	3.780	9.9	22.4
6 20	20 0.90	−22 1.8	2.866	3.787	7.5	22.2
6 30	19 54.57	−22 33.5	2.813	3.793	4.7	22.0
7 10	19 47.24	−23 6.0	2.788	3.800	1.8	21.9
7 20	19 39.50	−23 37.1	2.793	3.806	1.4	21.8
7 30	19 31.99	−24 4.6	2.826	3.811	4.3	22.0
8 9	19 25.35	−24 27.3	2.888	3.817	7.0	22.2
8 19	19 20.07	−24 44.6	2.974	3.822	9.4	22.4
304052 2006 EV_{33}			7 16.1 163.°59	5.°2/14.3 17		
6 10	20 15.80	−31 3.1	1.543	2.403	16.1	20.9
6 20	20 10.03	−31 57.8	1.478	2.407	12.5	20.7
6 30	20 1.12	−32 50.8	1.433	2.410	8.7	20.5
7 10	19 49.93	−33 34.4	1.412	2.413	5.6	20.3
7 20	19 37.78	−34 2.2	1.417	2.415	5.9	20.3
7 30	19 26.25	−34 10.7	1.447	2.417	9.2	20.5
8 9	19 16.81	−34 0.5	1.500	2.418	13.0	20.8
8 19	19 10.40	−33 35.4	1.574	2.419	16.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
106497 2000 WO_{31}			7 16.1 148.°21	1.°2/15.4 18		
	h m	° ′			°	m
6 10	20 6.49	−22 30.9	2.429	3.275	11.4	19.6
6 20	20 1.80	−23 17.1	2.352	3.278	8.7	19.4
6 30	19 55.32	−24 7.5	2.299	3.281	5.5	19.2
7 10	19 47.58	−24 58.6	2.274	3.284	2.3	19.0
7 20	19 39.28	−25 46.7	2.276	3.287	2.1	19.0
7 30	19 31.23	−26 28.8	2.307	3.290	5.3	19.2
8 9	19 24.22	−27 3.0	2.365	3.293	8.4	19.4
8 19	19 18.88	−27 28.6	2.447	3.295	11.1	19.6
277467 2005 VV_{55}			7 16.1 159.°01	2.°1/15.3 17		
6 10	20 11.70	−25 30.1	1.881	2.733	14.0	21.9
6 20	20 6.22	−25 57.2	1.808	2.737	10.6	21.6
6 30	19 58.34	−26 26.0	1.759	2.741	6.9	21.4
7 10	19 48.79	−26 52.4	1.734	2.744	3.1	21.2
7 20	19 38.53	−27 12.3	1.737	2.747	2.9	21.2
7 30	19 28.72	−27 23.3	1.766	2.749	6.6	21.4
8 9	19 20.45	−27 24.7	1.821	2.751	10.3	21.7
8 19	19 14.48	−27 17.5	1.899	2.753	13.6	21.9
477742 2010 TG_{142}			7 16.1 261.°68	3.°8/17.7 18		
6 10	20 5.37	− 9 57.2	2.369	3.188	12.6	20.9
6 20	20 0.87	− 9 31.4	2.284	3.184	10.0	20.8
6 30	19 54.68	− 9 14.9	2.222	3.181	7.3	20.6
7 10	19 47.32	− 9 7.9	2.185	3.178	4.7	20.4
7 20	19 39.45	− 9 10.2	2.175	3.175	3.9	20.4
7 30	19 31.82	− 9 20.5	2.192	3.172	5.8	20.5
8 9	19 25.18	− 9 37.1	2.236	3.169	8.6	20.6
8 19	19 20.09	− 9 57.8	2.304	3.165	11.3	20.8
40834 1999 TL_{95}			7 16.1 323.°29	1.°6/15.4 18		
6 10	20 4.75	−21 32.6	1.442	2.318	16.2	18.7
6 20	20 1.81	−22 21.3	1.357	2.298	12.4	18.4
6 30	19 56.04	−23 20.2	1.292	2.280	8.0	18.1
7 10	19 48.07	−24 24.1	1.250	2.262	3.3	17.8
7 20	19 38.90	−25 26.9	1.232	2.245	2.9	17.7
7 30	19 29.92	−26 22.2	1.239	2.229	7.9	18.0
8 9	19 22.54	−27 5.8	1.269	2.213	12.7	18.2
8 19	19 17.84	−27 36.3	1.319	2.198	16.9	18.4
474923 2005 SS_{236}			7 16.1 195.°34	1.°6/16.9 18		
6 10	20 5.90	−15 27.0	2.686	3.514	11.0	21.9
6 20	20 1.10	−15 26.7	2.600	3.512	8.5	21.7
6 30	19 54.76	−15 32.6	2.537	3.510	5.7	21.5
7 10	19 47.34	−15 43.4	2.501	3.507	2.8	21.3
7 20	19 39.46	−15 57.9	2.493	3.505	1.9	21.2
7 30	19 31.79	−16 14.4	2.514	3.501	4.5	21.4
8 9	19 25.03	−16 31.5	2.562	3.498	7.5	21.6
8 19	19 19.69	−16 47.8	2.636	3.494	10.1	21.8
368877 2006 RL_{15}			7 16.1 264.°33	0.°2/16.1 18		
6 10	20 11.07	−20 41.5	1.666	2.521	15.4	21.5
6 20	20 6.25	−20 52.5	1.573	2.503	11.9	21.2
6 30	19 58.70	−21 9.7	1.502	2.485	7.7	20.9
7 10	19 49.06	−21 30.1	1.454	2.466	3.0	20.6
7 20	19 38.32	−21 50.2	1.433	2.447	2.0	20.5
7 30	19 27.77	−22 6.7	1.438	2.428	6.9	20.7
8 9	19 18.74	−22 17.7	1.468	2.408	11.6	20.9
8 19	19 12.19	−22 22.9	1.519	2.388	15.7	21.2
420476 2012 EP			7 16.1 95.°29	2.°1/16.9 17		
6 10	20 11.12	−15 16.3	1.534	2.383	16.7	21.7
6 20	20 5.95	−15 21.2	1.473	2.398	12.9	21.5
6 30	19 58.22	−15 37.0	1.434	2.412	8.6	21.3
7 10	19 48.75	−16 1.5	1.418	2.426	4.0	21.0
7 20	19 38.62	−16 31.6	1.427	2.440	2.6	21.0
7 30	19 29.10	−17 3.6	1.463	2.453	6.7	21.3
8 9	19 21.32	−17 34.5	1.523	2.467	10.9	21.6
8 19	19 16.03	−18 2.2	1.605	2.480	14.7	21.8
227277 2005 SL_{152}			7 16.1 280.°32	2.°6/15.1 18		
6 10	20 10.39	−25 9.0	1.716	2.576	14.8	21.8
6 20	20 5.86	−25 50.0	1.619	2.552	11.4	21.5
6 30	19 58.55	−26 35.8	1.544	2.527	7.5	21.2
7 10	19 49.05	−27 21.5	1.493	2.502	3.5	20.9
7 20	19 38.32	−28 1.5	1.468	2.477	3.5	20.8
7 30	19 27.67	−28 31.1	1.469	2.452	7.7	21.0
8 9	19 18.48	−28 48.1	1.495	2.426	12.1	21.2
8 19	19 11.82	−28 52.8	1.542	2.400	16.0	21.4
29007 4022 P–L			7 16.1 303.°19	3.°4/15.2 18		
6 10	20 10.53	−26 59.6	1.260	2.139	17.8	18.2
6 20	20 6.80	−27 22.5	1.176	2.118	13.9	17.9
6 30	19 59.56	−27 47.5	1.110	2.097	9.2	17.5
7 10	19 49.54	−28 8.6	1.066	2.076	4.5	17.2
7 20	19 38.01	−28 19.6	1.045	2.055	4.4	17.1
7 30	19 26.78	−28 16.4	1.048	2.035	9.3	17.4
8 9	19 17.64	−27 58.5	1.072	2.015	14.5	17.6
8 19	19 11.86	−27 28.5	1.115	1.996	19.2	17.8

31648 1999 GL_{53} 7 16.1 65°.04 8°.3/13.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.03	−40 11.1	1.584	2.434	16.2	17.8
6 20	20 11.00	−41 4.4	1.532	2.445	13.2	17.6
6 30	20 1.67	−41 46.4	1.500	2.456	10.3	17.5
7 10	19 50.11	−42 9.0	1.491	2.467	8.5	17.4
7 20	19 37.81	−42 6.7	1.506	2.479	8.8	17.5
7 30	19 26.48	−41 38.3	1.546	2.490	10.9	17.6
8 9	19 17.55	−40 47.9	1.608	2.502	13.7	17.8
8 19	19 11.85	−39 41.5	1.690	2.513	16.4	18.0

73239 2002 JU_{34} 7 16.1 61°.27 3°.2/17.1 18

6 10	20 9.75	−14 4.4	1.353	2.210	18.1	19.4
6 20	20 5.23	−13 51.9	1.292	2.219	14.1	19.2
6 30	19 57.92	−13 52.1	1.250	2.228	9.6	19.0
7 10	19 48.68	−14 3.9	1.231	2.237	5.0	18.7
7 20	19 38.68	−14 24.7	1.236	2.247	3.5	18.7
7 30	19 29.29	−14 51.3	1.265	2.256	7.5	18.9
8 9	19 21.78	−15 20.1	1.318	2.266	11.9	19.2
8 19	19 16.97	−15 48.3	1.392	2.276	15.9	19.5

375712 2009 PK_{19} 7 16.1 10°.03 0°.4/16.2 17

6 10	20 3.58	−19 57.8	1.017	1.912	19.8	19.9
6 20	20 1.36	−20 0.0	0.964	1.915	15.1	19.7
6 30	19 55.83	−20 11.6	0.928	1.919	9.8	19.4
7 10	19 47.96	−20 29.3	0.912	1.924	3.8	19.1
7 20	19 39.15	−20 48.8	0.917	1.932	2.3	19.0
7 30	19 31.11	−21 6.0	0.944	1.941	8.2	19.4
8 9	19 25.32	−21 18.2	0.992	1.951	13.5	19.7
8 19	19 22.69	−21 24.4	1.058	1.963	18.1	20.0

499684 2010 VS_{219} 7 16.1 77°.76 5°.1/14.2 17

6 10	20 12.40	−29 54.5	1.465	2.333	16.4	21.1
6 20	20 7.53	−30 58.2	1.404	2.338	12.7	20.9
6 30	19 59.56	−32 1.5	1.364	2.344	8.7	20.7
7 10	19 49.38	−32 56.9	1.348	2.350	5.5	20.6
7 20	19 38.25	−33 37.1	1.357	2.356	5.9	20.6
7 30	19 27.76	−33 58.1	1.390	2.362	9.2	20.8
8 9	19 19.32	−34 0.0	1.447	2.369	13.1	21.0
8 19	19 13.87	−33 45.8	1.523	2.375	16.5	21.3

519059 2010 KV_{98} 7 16.1 143°.60 3°.1/14.5 17

6 10	20 10.46	−26 51.1	2.112	2.962	12.8	21.6
6 20	20 5.15	−27 53.9	2.043	2.969	9.7	21.4
6 30	19 57.64	−28 58.7	1.997	2.976	6.4	21.3
7 10	19 48.56	−30 0.2	1.977	2.983	3.5	21.1
7 20	19 38.78	−30 53.3	1.986	2.989	3.8	21.1
7 30	19 29.36	−31 34.3	2.022	2.995	6.7	21.3
8 9	19 21.27	−32 1.9	2.084	3.001	9.9	21.5
8 19	19 15.26	−32 16.8	2.169	3.006	12.8	21.7

331764 2002 XW_{98} 7 16.1 257°.65 0°.3/16.2 18

6 10	20 9.52	−18 55.7	1.710	2.563	15.1	21.1
6 20	20 4.92	−19 15.4	1.623	2.551	11.7	20.9
6 30	19 57.78	−19 43.4	1.556	2.539	7.6	20.6
7 10	19 48.71	−20 16.8	1.515	2.526	3.0	20.3
7 20	19 38.66	−20 51.8	1.499	2.513	1.8	20.2
7 30	19 28.86	−21 24.6	1.510	2.500	6.6	20.5
8 9	19 20.49	−21 52.5	1.545	2.487	11.0	20.7
8 19	19 14.47	−22 14.2	1.603	2.473	14.9	20.9

373454 2000 DP_{113} 7 16.1 144°.04 1°.1/15.7 17

6 10	20 12.48	−22 59.8	1.821	2.671	14.4	21.7
6 20	20 6.81	−23 20.5	1.752	2.679	11.0	21.5
6 30	19 58.73	−23 44.7	1.704	2.687	7.0	21.3
7 10	19 48.98	−24 8.6	1.682	2.694	2.8	21.1
7 20	19 38.56	−24 28.7	1.687	2.700	2.2	21.0
7 30	19 28.63	−24 42.3	1.720	2.706	6.4	21.3
8 9	19 20.28	−24 48.5	1.778	2.712	10.3	21.6
8 19	19 14.26	−24 47.6	1.858	2.717	13.7	21.8

433186 2012 TV_{322} 7 16.1 6°.54 3°.8/15.3 16

6 10	20 10.50	−29 46.9	1.311	2.188	17.3	20.8
6 20	20 6.23	−29 53.2	1.248	2.188	13.4	20.6
6 30	19 58.77	−29 56.0	1.205	2.190	8.9	20.3
7 10	19 49.07	−29 50.2	1.184	2.192	4.8	20.1
7 20	19 38.52	−29 31.9	1.187	2.195	4.6	20.1
7 30	19 28.76	−28 59.9	1.213	2.198	8.6	20.3
8 9	19 21.21	−28 16.6	1.262	2.203	13.0	20.6
8 19	19 16.73	−27 25.5	1.331	2.209	16.9	20.8

226042 2002 GE_{44} 7 16.1 180°.67 1°.4/16.8 18

6 10	20 9.23	−16 8.2	2.223	3.055	12.8	21.2
6 20	20 3.95	−16 14.5	2.141	3.057	9.9	21.0
6 30	19 56.75	−16 28.1	2.082	3.057	6.5	20.8
7 10	19 48.21	−16 47.2	2.049	3.057	3.0	20.6
7 20	19 39.07	−17 9.8	2.044	3.057	1.9	20.5
7 30	19 30.22	−17 33.5	2.067	3.056	5.3	20.7
8 9	19 22.51	−17 56.4	2.118	3.054	8.7	20.9
8 19	19 16.60	−18 17.1	2.192	3.053	11.8	21.1

305539 2008 GE_{129} 7 16.1 121°.68 4°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.54	−32 50.5	2.589	3.431	10.9	21.5
6 20	20 4.09	−33 38.1	2.525	3.443	8.5	21.4
6 30	19 56.77	−34 22.6	2.485	3.454	6.0	21.2
7 10	19 48.19	−34 59.7	2.472	3.465	4.2	21.1
7 20	19 39.10	−35 26.2	2.486	3.476	4.4	21.2
7 30	19 30.39	−35 39.9	2.528	3.487	6.4	21.3
8 9	19 22.86	−35 41.1	2.597	3.497	8.9	21.5
8 19	19 17.13	−35 31.1	2.689	3.507	11.1	21.7

384071 2008 UN_{356} 7 16.1 116°.30 0°.6/15.9 17

6 10	20 9.62	−22 0.9	1.926	2.777	13.7	21.5
6 20	20 4.52	−22 16.5	1.856	2.784	10.5	21.3
6 30	19 57.22	−22 36.1	1.807	2.790	6.7	21.1
7 10	19 48.41	−22 56.5	1.784	2.796	2.6	20.9
7 20	19 38.97	−23 14.7	1.788	2.802	1.9	20.8
7 30	19 29.98	−23 28.3	1.819	2.808	5.9	21.1
8 9	19 22.40	−23 36.2	1.876	2.813	9.7	21.3
8 19	19 16.93	−23 38.2	1.956	2.819	13.0	21.6

204652 2006 BO_{125} 7 16.1 356°.53 2°.8/17.2 16

6 10	19 59.43	−13 45.5	1.129	2.014	19.0	19.4
6 20	19 57.99	−13 57.0	1.064	2.006	14.9	19.1
6 30	19 53.66	−14 26.2	1.016	2.001	10.1	18.8
7 10	19 47.19	−15 11.3	0.988	1.997	5.0	18.5
7 20	19 39.70	−16 8.0	0.982	1.995	3.2	18.4
7 30	19 32.66	−17 10.0	0.998	1.995	7.8	18.7
8 9	19 27.48	−18 10.9	1.036	1.997	12.9	18.9
8 19	19 25.10	−19 5.7	1.093	2.001	17.4	19.2

371497 2006 UG_{25} 7 16.1 240°.26 1°.4/15.6 17

6 10	20 11.84	−23 17.1	1.795	2.647	14.5	21.6
6 20	20 6.65	−23 40.9	1.707	2.636	11.1	21.4
6 30	19 58.87	−24 9.0	1.641	2.623	7.2	21.1
7 10	19 49.15	−24 37.5	1.600	2.611	3.0	20.8
7 20	19 38.46	−25 2.1	1.585	2.597	2.5	20.7
7 30	19 28.03	−25 19.6	1.598	2.584	6.8	21.0
8 9	19 19.09	−25 28.5	1.635	2.570	11.0	21.2
8 19	19 12.54	−25 29.2	1.695	2.555	14.7	21.4

3876 Quaide 7 16.1 358°.63 1°.4/15.4 18

6 10	20 5.60	−21 28.4	1.904	2.762	13.6	15.9
6 20	20 1.66	−22 23.0	1.828	2.761	10.3	15.7
6 30	19 55.52	−23 24.6	1.776	2.760	6.6	15.5
7 10	19 47.80	−24 28.7	1.748	2.760	2.7	15.2
7 20	19 39.33	−25 30.4	1.747	2.760	2.4	15.2
7 30	19 31.15	−26 25.0	1.774	2.760	6.3	15.4
8 9	19 24.26	−27 9.7	1.826	2.760	10.0	15.7
8 19	19 19.42	−27 43.4	1.900	2.761	13.3	15.9

397050 2005 UL_{98} 7 16.1 26°.77 4°.2/13.9 18

6 10	20 7.63	−30 20.4	2.020	2.878	12.9	20.5
6 20	20 3.17	−31 20.4	1.953	2.881	10.0	20.3
6 30	19 56.46	−32 19.7	1.908	2.885	6.9	20.1
7 10	19 48.15	−33 12.9	1.889	2.889	4.5	20.0
7 20	19 39.13	−33 54.9	1.897	2.893	4.8	20.0
7 30	19 30.50	−34 22.5	1.931	2.898	7.5	20.2
8 9	19 23.26	−34 35.2	1.989	2.903	10.5	20.4
8 19	19 18.16	−34 34.1	2.070	2.908	13.3	20.6

474483 2003 SL_{323} 7 16.1 286°.26 1°.0/16.5 18

6 10	20 8.11	−18 6.8	1.840	2.690	14.3	22.3
6 20	20 3.74	−18 8.6	1.743	2.669	11.1	22.0
6 30	19 56.99	−18 17.5	1.667	2.647	7.3	21.8
7 10	19 48.43	−18 31.8	1.615	2.626	3.1	21.5
7 20	19 38.92	−18 49.1	1.590	2.604	1.9	21.3
7 30	19 29.55	−19 6.8	1.592	2.582	6.3	21.6
8 9	19 21.44	−19 22.8	1.618	2.561	10.5	21.8
8 19	19 15.48	−19 35.8	1.667	2.539	14.4	21.9

384006 2008 UA_{51} 7 16.1 159°.68 0°.9/16.5 17

6 10	20 8.76	−17 49.4	1.966	2.810	13.8	22.0
6 20	20 3.84	−17 58.3	1.889	2.812	10.6	21.8
6 30	19 56.79	−18 14.3	1.835	2.815	6.9	21.6
7 10	19 48.26	−18 35.1	1.807	2.817	2.9	21.3
7 20	19 39.08	−18 58.2	1.805	2.819	1.7	21.2
7 30	19 30.27	−19 20.9	1.830	2.820	5.7	21.5
8 9	19 22.76	−19 41.3	1.882	2.822	9.5	21.8
8 19	19 17.25	−19 58.2	1.957	2.823	12.8	22.0

180524 2004 DK_{39} 7 16.1 244°.66 1°.9/15.5 17

6 10	20 12.32	−24 42.2	1.748	2.602	14.8	21.0
6 20	20 7.11	−25 5.1	1.661	2.591	11.3	20.8
6 30	19 59.21	−25 31.1	1.596	2.578	7.4	20.5
7 10	19 49.31	−25 55.8	1.555	2.566	3.2	20.2
7 20	19 38.41	−26 14.9	1.541	2.553	2.9	20.2
7 30	19 27.82	−26 25.3	1.554	2.539	7.1	20.4
8 9	19 18.78	−26 26.1	1.592	2.525	11.3	20.6
8 19	19 12.23	−26 18.1	1.651	2.511	15.1	20.8

310631 2002 CP_{21} 7 16.1 215°.63 1°.7/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.64	−24 42.9	1.683	2.536	15.3	21.3
6 20	20 8.88	−24 57.5	1.601	2.530	11.8	21.1
6 30	20 0.33	−25 14.4	1.541	2.523	7.6	20.8
7 10	19 49.73	−25 29.3	1.505	2.516	3.2	20.5
7 20	19 38.17	−25 38.2	1.496	2.508	2.7	20.5
7 30	19 27.03	−25 38.7	1.513	2.499	7.1	20.7
8 9	19 17.61	−25 30.3	1.556	2.490	11.5	20.9
8 19	19 10.81	−25 14.3	1.621	2.481	15.3	21.2

386782 2010 DG_{49} 7 16.1 181°.44 4°.1/18.3 17

6 10	20 7.24	− 7 36.3	2.178	2.989	13.8	21.7
6 20	20 2.48	− 7 42.4	2.095	2.989	11.1	21.5
6 30	19 55.85	− 8 2.2	2.034	2.990	8.0	21.3
7 10	19 47.90	− 8 35.0	1.997	2.990	5.2	21.1
7 20	19 39.34	− 9 19.3	1.988	2.989	4.1	21.0
7 30	19 31.03	−10 11.9	2.007	2.988	6.1	21.2
8 9	19 23.79	−11 9.1	2.052	2.987	9.1	21.3
8 19	19 18.27	−12 7.4	2.121	2.985	12.0	21.5

424526 2008 EP_{76} 7 16.1 95°.17 0°.5/16.4 17

6 10	20 10.30	−18 9.8	1.575	2.430	16.1	21.9
6 20	20 5.42	−18 32.1	1.511	2.440	12.3	21.7
6 30	19 57.99	−19 3.5	1.467	2.450	7.9	21.4
7 10	19 48.77	−19 40.5	1.448	2.460	3.2	21.2
7 20	19 38.82	−20 18.8	1.455	2.469	1.9	21.1
7 30	19 29.41	−20 54.6	1.488	2.479	6.6	21.4
8 9	19 21.67	−21 25.2	1.545	2.488	10.9	21.7
8 19	19 16.41	−21 49.2	1.624	2.497	14.6	22.0

79996 1999 FS_{19} 7 16.2 34°.28 0°.1/16.2 18

6 10	20 7.40	−20 2.8	1.978	2.829	13.5	19.0
6 20	20 2.82	−20 13.5	1.903	2.831	10.3	18.8
6 30	19 56.16	−20 29.4	1.850	2.832	6.6	18.6
7 10	19 48.03	−20 48.2	1.822	2.834	2.6	18.3
7 20	19 39.28	−21 7.2	1.821	2.836	1.6	18.3
7 30	19 30.90	−21 24.0	1.848	2.837	5.6	18.6
8 9	19 23.81	−21 37.1	1.900	2.839	9.4	18.8
8 19	19 18.70	−21 45.6	1.975	2.841	12.7	19.0

342211 2008 SG_{240} 7 16.2 244°.82 0°.3/16.3 16

6 10	20 8.25	−18 34.2	1.937	2.785	13.8	21.5
6 20	20 3.64	−18 57.2	1.851	2.777	10.6	21.2
6 30	19 56.80	−19 28.0	1.788	2.769	6.9	21.0
7 10	19 48.34	−20 3.6	1.749	2.761	2.7	20.7
7 20	19 39.07	−20 40.9	1.738	2.752	1.6	20.6
7 30	19 30.06	−21 16.3	1.754	2.744	5.9	20.9
8 9	19 22.30	−21 47.2	1.795	2.735	9.9	21.1
8 19	19 16.60	−22 12.4	1.860	2.726	13.4	21.3

479047 2013 AJ_{45} 7 16.2 231°.45 1°.9/15.4 18

6 10	20 10.15	−26 50.1	2.321	3.166	11.9	21.4
6 20	20 4.73	−26 59.1	2.235	3.159	9.1	21.2
6 30	19 57.30	−27 7.6	2.173	3.153	5.9	20.9
7 10	19 48.47	−27 12.8	2.136	3.145	2.8	20.7
7 20	19 39.02	−27 12.2	2.128	3.138	2.5	20.7
7 30	19 29.90	−27 4.3	2.148	3.130	5.7	20.9
8 9	19 21.99	−26 49.2	2.195	3.123	9.0	21.1
8 19	19 15.96	−26 27.7	2.266	3.115	11.9	21.3

110450 2001 TL_{41} 7 16.2 248°.17 3°.1/14.9 18

6 10	20 11.79	−27 46.0	1.909	2.762	13.8	19.2
6 20	20 6.58	−28 20.7	1.821	2.749	10.6	19.0
6 30	19 58.82	−28 56.4	1.756	2.736	7.1	18.7
7 10	19 49.16	−29 28.2	1.716	2.723	3.8	18.5
7 20	19 38.57	−29 51.4	1.703	2.709	3.8	18.5
7 30	19 28.25	−30 2.9	1.716	2.695	7.2	18.7
8 9	19 19.39	−30 2.0	1.755	2.680	11.0	18.8
8 19	19 12.88	−29 50.1	1.816	2.665	14.4	19.0

518683 2008 UQ_{374} 7 16.2 324°.72 9°.5/11.8 18

6 10	20 10.51	−39 22.3	1.484	2.349	16.4	20.1
6 20	20 6.79	−40 52.3	1.413	2.334	13.6	19.9
6 30	19 59.57	−42 15.7	1.362	2.320	11.0	19.7
7 10	19 49.61	−43 22.3	1.333	2.307	9.6	19.6
7 20	19 38.26	−44 3.0	1.327	2.294	10.3	19.6
7 30	19 27.34	−44 12.9	1.343	2.282	12.7	19.7
8 9	19 18.61	−43 53.1	1.380	2.270	15.8	19.8
8 19	19 13.27	−43 8.9	1.435	2.260	18.8	20.0

193576 2001 BG 7 16.2 227°.48 1°.5/15.4 18

6 10	20 10.12	−23 41.2	2.353	3.195	11.9	21.6
6 20	20 4.79	−24 16.7	2.259	3.182	9.1	21.4
6 30	19 57.43	−24 55.7	2.189	3.170	5.9	21.2
7 10	19 48.57	−25 34.8	2.146	3.156	2.5	20.9
7 20	19 38.95	−26 10.3	2.131	3.142	2.3	20.9
7 30	19 29.50	−26 39.3	2.145	3.127	5.7	21.1
8 9	19 21.13	−27 0.1	2.186	3.112	9.1	21.3
8 19	19 14.58	−27 12.6	2.250	3.096	12.1	21.4

238180 2003 SW_{221} 7 16.2 277°.29 3°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.19	− 9 29.6	1.909	2.737	14.8	20.6
6 20	20 2.10	− 9 31.4	1.815	2.722	11.9	20.4
6 30	19 55.86	− 9 47.3	1.742	2.706	8.5	20.2
7 10	19 48.00	−10 16.9	1.693	2.690	5.2	19.9
7 20	19 39.30	−10 58.6	1.669	2.674	4.0	19.8
7 30	19 30.74	−11 49.3	1.673	2.659	6.6	19.9
8 9	19 23.31	−12 45.0	1.702	2.643	10.2	20.1
8 19	19 17.83	−13 41.8	1.753	2.627	13.7	20.3

204974 1993 TO_{7} 7 16.2 336°.76 1°.9/15.6 18

6 10	20 8.06	−25 6.1	1.652	2.518	14.9	20.0
6 20	20 3.88	−25 20.1	1.575	2.511	11.4	19.8
6 30	19 57.11	−25 36.0	1.519	2.504	7.4	19.5
7 10	19 48.49	−25 50.2	1.487	2.498	3.2	19.3
7 20	19 39.03	−25 59.0	1.481	2.492	2.8	19.2
7 30	19 29.99	−26 0.0	1.500	2.487	7.0	19.5
8 9	19 22.56	−25 52.5	1.543	2.483	11.2	19.7
8 19	19 17.57	−25 37.5	1.608	2.479	14.8	19.9

311889 2006 XP_{35} 7 16.2 255°.99 1°.6/16.8 18

6 10	20 7.29	−16 38.7	2.333	3.168	12.2	20.9
6 20	20 2.49	−16 26.8	2.241	3.158	9.5	20.7
6 30	19 55.86	−16 20.5	2.172	3.148	6.3	20.5
7 10	19 47.93	−16 18.8	2.129	3.137	3.0	20.2
7 20	19 39.40	−16 20.6	2.114	3.126	2.0	20.1
7 30	19 31.09	−16 24.5	2.127	3.115	5.2	20.3
8 9	19 23.81	−16 29.4	2.167	3.104	8.5	20.5
8 19	19 18.20	−16 34.3	2.230	3.093	11.6	20.7

499681 2010 VM_{214} 7 16.2 302°.80 6°.3/13.9 17

6 10	20 11.50	−31 55.3	1.348	2.223	17.1	21.6
6 20	20 7.50	−32 54.2	1.272	2.209	13.5	21.3
6 30	20 0.00	−33 52.4	1.216	2.195	9.6	21.1
7 10	19 49.80	−34 41.1	1.181	2.181	6.6	20.9
7 20	19 38.21	−35 12.1	1.170	2.167	7.1	20.8
7 30	19 27.04	−35 20.5	1.183	2.154	10.6	21.0
8 9	19 18.03	−35 6.4	1.217	2.141	14.8	21.2
8 19	19 12.36	−34 33.8	1.270	2.129	18.7	21.4

93724 2000 VX_{40} 7 16.2 159°.44 1°.0/16.6 18

6 10	20 9.91	−17 50.3	2.045	2.884	13.5	20.4
6 20	20 4.63	−17 53.9	1.968	2.889	10.4	20.2
6 30	19 57.28	−18 3.9	1.915	2.893	6.8	20.0
7 10	19 48.51	−18 18.3	1.887	2.896	2.9	19.8
7 20	19 39.12	−18 34.8	1.886	2.900	1.7	19.7
7 30	19 30.11	−18 51.3	1.913	2.903	5.5	20.0
8 9	19 22.38	−19 6.1	1.967	2.905	9.2	20.2
8 19	19 16.61	−19 18.1	2.044	2.907	12.4	20.4

367508 2009 KP_{30} 7 16.2 42°.49 3°.1/17.8 17

6 10	20 6.92	− 9 48.7	1.205	2.064	19.8	20.1
6 20	20 3.42	−10 41.5	1.150	2.076	15.5	19.8
6 30	19 56.99	−11 57.6	1.113	2.090	10.6	19.6
7 10	19 48.49	−13 32.8	1.098	2.104	5.5	19.4
7 20	19 39.13	−15 19.5	1.106	2.119	3.3	19.3
7 30	19 30.37	−17 8.1	1.140	2.134	7.6	19.6
8 9	19 23.55	−18 50.1	1.196	2.149	12.4	19.9
8 19	19 19.56	−20 19.8	1.274	2.165	16.6	20.2

318402 2004 XJ_{163} 7 16.2 225°.39 2°.2/15.3 17

6 10	20 13.06	−24 24.7	1.679	2.534	15.2	21.6
6 20	20 7.80	−25 2.1	1.596	2.526	11.7	21.3
6 30	19 59.74	−25 44.0	1.535	2.518	7.6	21.1
7 10	19 49.59	−26 25.2	1.498	2.508	3.4	20.8
7 20	19 38.40	−27 0.4	1.488	2.499	3.2	20.8
7 30	19 27.52	−27 25.6	1.504	2.488	7.4	21.0
8 9	19 18.27	−27 39.3	1.545	2.477	11.7	21.2
8 19	19 11.63	−27 42.0	1.608	2.466	15.5	21.4

509236 2006 TB_{45} 7 16.2 273°.90 0°.7/16.4 17

6 10	20 9.77	−18 19.5	1.623	2.477	15.7	22.6
6 20	20 5.37	−18 31.4	1.530	2.459	12.2	22.3
6 30	19 58.26	−18 52.3	1.457	2.439	8.0	22.0
7 10	19 49.05	−19 19.5	1.409	2.420	3.3	21.7
7 20	19 38.71	−19 49.7	1.386	2.400	2.0	21.5
7 30	19 28.53	−20 19.1	1.389	2.380	6.9	21.8
8 9	19 19.81	−20 44.9	1.417	2.360	11.6	22.0
8 19	19 13.56	−21 5.6	1.466	2.340	15.8	22.2

324419 2006 SE_{307} 7 16.2 107°.53 9°.4/19.9 17

6 10	20 8.82	+ 0 46.3	1.634	2.426	18.4	20.6
6 20	20 4.12	+ 1 42.3	1.568	2.435	15.6	20.5
6 30	19 57.11	+ 2 17.2	1.521	2.443	12.8	20.3
7 10	19 48.47	+ 2 27.6	1.495	2.451	10.4	20.2
7 20	19 39.15	+ 2 12.5	1.492	2.458	9.4	20.1
7 30	19 30.26	+ 1 33.9	1.513	2.466	10.4	20.2
8 9	19 22.83	+ 0 36.7	1.557	2.473	12.7	20.4
8 19	19 17.62	− 0 32.7	1.623	2.481	15.4	20.6

56177 1999 FU_{25} 7 16.2 124°.25 2°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.31	−12 37.9	1.842	2.676	15.0	19.4
6 20	20 4.30	−12 36.2	1.772	2.685	11.7	19.2
6 30	19 57.13	−12 45.7	1.723	2.694	8.0	19.0
7 10	19 48.46	−13 5.2	1.699	2.702	4.4	18.8
7 20	19 39.17	−13 32.6	1.701	2.710	3.2	18.7
7 30	19 30.30	−14 5.0	1.730	2.718	6.2	18.9
8 9	19 22.80	−14 39.4	1.785	2.725	9.8	19.2
8 19	19 17.38	−15 13.3	1.863	2.732	13.2	19.4

44278 1998 QU_{74} 7 16.2 223°.55 1°.7/16.6 18

6 10	20 13.19	−17 48.4	1.940	2.777	14.2	19.4
6 20	20 7.34	−17 23.6	1.850	2.768	11.1	19.1
6 30	19 59.16	−17 3.6	1.783	2.759	7.3	18.9
7 10	19 49.29	−16 47.4	1.740	2.749	3.4	18.6
7 20	19 38.64	−16 33.9	1.726	2.738	2.3	18.5
7 30	19 28.29	−16 22.4	1.739	2.727	6.1	18.8
8 9	19 19.32	−16 12.2	1.779	2.715	10.1	19.0
8 19	19 12.50	−16 2.9	1.841	2.703	13.7	19.2

343403 2010 CY_{170} 7 16.2 294°.11 2°.6/15.2 18

6 10	20 9.94	−26 51.7	1.788	2.648	14.3	20.5
6 20	20 5.20	−27 15.2	1.709	2.641	11.0	20.3
6 30	19 57.94	−27 39.7	1.651	2.633	7.2	20.0
7 10	19 48.85	−28 0.7	1.618	2.626	3.5	19.8
7 20	19 38.92	−28 14.2	1.610	2.619	3.4	19.8
7 30	19 29.38	−28 17.6	1.630	2.612	7.1	20.0
8 9	19 21.38	−28 10.5	1.673	2.606	10.9	20.2
8 19	19 15.76	−27 54.2	1.739	2.599	14.4	20.4

268922 2007 CK_{45} 7 16.2 188°.22 1°.7/15.4 18

6 10	20 10.56	−22 52.2	1.824	2.678	14.3	20.9
6 20	20 5.58	−23 40.1	1.748	2.677	10.9	20.6
6 30	19 58.15	−24 33.6	1.694	2.677	7.0	20.4
7 10	19 48.93	−25 27.9	1.665	2.676	3.0	20.1
7 20	19 38.87	−26 18.0	1.663	2.675	2.7	20.1
7 30	19 29.15	−26 59.5	1.689	2.673	6.7	20.4
8 9	19 20.88	−27 30.2	1.740	2.671	10.6	20.6
8 19	19 14.91	−27 50.0	1.813	2.669	14.1	20.8

469696 2005 CO_{62} 7 16.2 293°.61 10°.6/13.3 18

6 10	20 30.86	−48 32.3	1.891	2.694	15.8	20.5
6 20	20 22.41	−49 10.5	1.784	2.655	13.8	20.3
6 30	20 9.69	−49 33.0	1.697	2.615	11.9	20.1
7 10	19 53.63	−49 28.6	1.634	2.575	10.7	19.9
7 20	19 35.91	−48 48.4	1.594	2.534	11.0	19.8
7 30	19 18.82	−47 29.5	1.580	2.493	12.9	19.8
8 9	19 4.48	−45 36.7	1.590	2.451	15.6	19.9
8 19	18 54.19	−43 20.0	1.622	2.409	18.5	20.0

107101 2001 AM_{32} 7 16.2 230°.94 2°.2/15.2 18

6 10	20 10.54	−25 40.0	2.092	2.942	12.9	20.5
6 20	20 5.36	−26 13.7	2.006	2.932	9.9	20.3
6 30	19 57.92	−26 49.7	1.942	2.923	6.4	20.1
7 10	19 48.83	−27 23.8	1.904	2.913	3.0	19.8
7 20	19 38.94	−27 52.2	1.893	2.902	2.9	19.8
7 30	19 29.30	−28 11.7	1.910	2.891	6.4	20.0
8 9	19 20.95	−28 21.3	1.953	2.880	9.9	20.2
8 19	19 14.66	−28 21.5	2.020	2.869	13.1	20.4

504984 2011 HC_{32} 7 16.2 39°.72 4°.3/13.9 17

6 10	20 8.79	−26 27.6	1.505	2.376	15.9	20.4
6 20	20 4.71	−27 59.9	1.448	2.386	12.1	20.2
6 30	19 57.80	−29 36.7	1.412	2.395	8.1	20.0
7 10	19 48.83	−31 9.4	1.400	2.406	4.8	19.8
7 20	19 38.95	−32 29.8	1.414	2.416	5.3	19.9
7 30	19 29.58	−33 31.8	1.454	2.427	8.8	20.1
8 9	19 22.01	−34 13.4	1.516	2.439	12.6	20.4
8 19	19 17.17	−34 35.7	1.599	2.450	15.9	20.6

288212 2003 YL_{31} 7 16.2 315°.78 2°.8/15.2 17

6 10	20 6.56	−24 18.3	1.204	2.089	18.0	20.1
6 20	20 3.94	−24 55.9	1.118	2.065	14.0	19.8
6 30	19 57.91	−25 41.2	1.051	2.040	9.2	19.5
7 10	19 49.10	−26 28.5	1.005	2.016	4.2	19.1
7 20	19 38.69	−27 10.4	0.982	1.993	4.0	19.0
7 30	19 28.43	−27 40.8	0.981	1.971	9.3	19.3
8 9	19 20.13	−27 56.5	1.001	1.949	14.8	19.5
8 19	19 15.13	−27 57.6	1.040	1.928	19.7	19.7

15377 1997 KW 7 16.2 325°.86 1°.8/16.9 18

6 10	20 1.50	−14 48.1	1.014	1.905	20.2	17.8
6 20	20 0.26	−15 15.7	0.934	1.881	16.0	17.5
6 30	19 55.64	−16 4.7	0.871	1.859	10.7	17.1
7 10	19 48.24	−17 13.1	0.826	1.838	4.8	16.7
7 20	19 39.21	−18 35.0	0.803	1.818	2.7	16.5
7 30	19 30.29	−20 1.8	0.801	1.799	8.9	16.8
8 9	19 23.35	−21 24.2	0.819	1.782	15.1	17.1
8 19	19 19.78	−22 35.8	0.854	1.766	20.6	17.3

251963 1999 XH_{261} 7 16.2 235°.83 4°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.58	−37 43.9	3.040	3.868	9.8	21.7
6 20	20 4.93	−38 29.0	2.950	3.854	7.9	21.5
6 30	19 57.43	−39 9.4	2.885	3.839	6.0	21.4
7 10	19 48.59	−39 40.9	2.847	3.824	4.9	21.3
7 20	19 39.13	−40 0.3	2.836	3.808	5.2	21.3
7 30	19 29.85	−40 5.6	2.853	3.792	6.8	21.4
8 9	19 21.59	−39 57.0	2.897	3.775	8.8	21.5
8 19	19 14.98	−39 36.1	2.964	3.758	10.8	21.6

246872 1993 TK_{23} 7 16.2 212°.35 4°.5/13.2 18

6 10	20 9.93	−37 9.8	3.171	3.999	9.4	21.7
6 20	20 4.31	−37 56.1	3.087	3.992	7.6	21.6
6 30	19 56.97	−38 37.9	3.028	3.983	5.7	21.5
7 10	19 48.40	−39 11.4	2.996	3.975	4.6	21.4
7 20	19 39.26	−39 33.6	2.992	3.965	4.9	21.4
7 30	19 30.33	−39 42.7	3.016	3.956	6.4	21.5
8 9	19 22.36	−39 38.6	3.067	3.946	8.3	21.6
8 19	19 15.96	−39 23.0	3.141	3.935	10.2	21.7

107608 2001 EW_{3} 7 16.2 49°.56 1°.5/15.7 17

6 10	20 10.48	−22 32.7	1.278	2.153	17.9	19.7
6 20	20 6.10	−23 4.2	1.225	2.166	13.6	19.5
6 30	19 58.67	−23 41.7	1.192	2.179	8.7	19.3
7 10	19 49.14	−24 20.0	1.181	2.193	3.5	19.0
7 20	19 38.84	−24 53.3	1.194	2.207	2.8	19.0
7 30	19 29.31	−25 17.6	1.232	2.222	7.8	19.3
8 9	19 21.88	−25 31.4	1.292	2.237	12.4	19.6
8 19	19 17.41	−25 35.3	1.373	2.252	16.4	19.9

436591 2011 JA_{27} 7 16.2 352°.46 10°.6/11.3 16

6 10	20 11.18	−41 9.0	1.418	2.282	17.0	20.4
6 20	20 7.46	−42 53.7	1.361	2.278	14.3	20.2
6 30	20 0.06	−44 29.1	1.323	2.275	11.8	20.0
7 10	19 49.86	−45 43.7	1.307	2.272	10.6	19.9
7 20	19 38.33	−46 28.5	1.313	2.270	11.4	20.0
7 30	19 27.44	−46 39.0	1.341	2.269	13.6	20.1
8 9	19 18.97	−46 17.6	1.388	2.268	16.3	20.3
8 19	19 14.07	−45 30.6	1.454	2.268	19.0	20.5

215618 2003 SB_{165} 7 16.2 275°.71 1°.9/16.9 18

6 10	20 8.98	−15 10.0	1.525	2.378	16.6	20.3
6 20	20 4.90	−15 23.4	1.434	2.361	13.0	20.0
6 30	19 58.04	−15 49.6	1.364	2.343	8.8	19.7
7 10	19 49.03	−16 26.8	1.316	2.325	4.1	19.4
7 20	19 38.84	−17 11.5	1.294	2.307	2.5	19.3
7 30	19 28.79	−17 59.2	1.297	2.289	7.2	19.5
8 9	19 20.25	−18 45.7	1.325	2.271	12.0	19.7
8 19	19 14.25	−19 27.8	1.373	2.253	16.3	19.9

50530 2000 EP_{10} 7 16.2 124°.58 0°.7/16.5 18

6 10	20 7.56	−18 3.0	1.969	2.816	13.7	19.5
6 20	20 3.00	−18 15.8	1.892	2.817	10.5	19.3
6 30	19 56.34	−18 35.7	1.837	2.818	6.8	19.1
7 10	19 48.21	−19 0.5	1.808	2.818	2.8	18.8
7 20	19 39.42	−19 27.3	1.805	2.819	1.6	18.7
7 30	19 30.97	−19 53.5	1.829	2.820	5.6	19.0
8 9	19 23.79	−20 16.8	1.879	2.820	9.4	19.2
8 19	19 18.58	−20 36.0	1.953	2.821	12.7	19.5

257659 1999 VE_{32} 7 16.2 321°.91 8°.5/18.3 18

6 10	20 4.53	− 2 12.1	1.875	2.678	15.9	19.8
6 20	20 0.89	− 0 58.6	1.780	2.657	13.6	19.6
6 30	19 55.14	+ 0 1.2	1.705	2.635	11.1	19.4
7 10	19 47.80	+ 0 43.6	1.653	2.614	9.1	19.2
7 20	19 39.63	+ 1 6.0	1.625	2.594	8.5	19.1
7 30	19 31.58	+ 1 7.4	1.621	2.574	9.8	19.1
8 9	19 24.63	+ 0 50.0	1.640	2.555	12.2	19.2
8 19	19 19.57	+ 0 17.4	1.680	2.537	15.0	19.4

268968 2007 EY_{23} 7 16.2 211°.16 0°.1/16.2 18

6 10	20 10.33	−19 8.8	2.082	2.923	13.2	21.7
6 20	20 5.11	−19 32.9	1.995	2.917	10.2	21.5
6 30	19 57.74	−20 3.7	1.931	2.910	6.6	21.2
7 10	19 48.79	−20 38.3	1.892	2.903	2.6	21.0
7 20	19 39.07	−21 13.5	1.881	2.895	1.6	20.9
7 30	19 29.59	−21 46.2	1.898	2.887	5.7	21.1
8 9	19 21.32	−22 14.0	1.942	2.878	9.5	21.4
8 19	19 15.02	−22 36.0	2.009	2.868	12.8	21.6

328518 2009 QF_{22} 7 16.2 343°.34 0°.5/16.4 17

6 10	20 2.83	−18 40.3	1.108	1.997	18.9	19.9
6 20	20 0.90	−18 53.4	1.037	1.985	14.7	19.6
6 30	19 55.77	−19 18.6	0.983	1.973	9.6	19.3
7 10	19 48.20	−19 52.8	0.951	1.963	3.9	18.9
7 20	19 39.40	−20 31.1	0.939	1.954	2.3	18.8
7 30	19 31.02	−21 8.2	0.950	1.947	8.2	19.1
8 9	19 24.64	−21 39.7	0.982	1.941	13.7	19.4
8 19	19 21.36	−22 3.3	1.032	1.937	18.5	19.7

440491 2005 TA_{102} 7 16.2 354.°66 0.°6/16.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 2.11	−22 31.4	1.287	2.174	17.0	20.3
6 20	19 59.89	−22 28.4	1.218	2.165	13.0	20.1
6 30	19 54.84	−22 29.9	1.167	2.157	8.4	19.8
7 10	19 47.74	−22 32.9	1.138	2.151	3.3	19.5
7 20	19 39.73	−22 34.6	1.132	2.147	2.2	19.4
7 30	19 32.21	−22 32.4	1.150	2.144	7.4	19.7
8 9	19 26.49	−22 25.2	1.189	2.144	12.3	20.0
8 19	19 23.48	−22 12.9	1.248	2.145	16.5	20.2

248595 2006 DE_{14} 7 16.2 52.°09 2.°5/17.1 17

6 10	20 9.11	−14 3.1	1.222	2.087	19.2	20.0
6 20	20 5.11	−14 16.1	1.164	2.096	14.9	19.8
6 30	19 58.11	−14 44.9	1.125	2.106	10.0	19.5
7 10	19 48.98	−15 26.7	1.107	2.116	4.8	19.3
7 20	19 38.99	−16 16.9	1.113	2.126	3.0	19.2
7 30	19 29.64	−17 9.8	1.143	2.137	7.6	19.5
8 9	19 22.30	−18 0.4	1.196	2.147	12.5	19.8
8 19	19 17.86	−18 45.3	1.269	2.159	16.7	20.1

338136 2002 QE_{101} 7 16.2 168.°38 0.°3/16.4 18

6 10	20 7.62	−18 21.8	1.969	2.816	13.6	21.2
6 20	20 3.08	−18 47.3	1.891	2.817	10.4	21.0
6 30	19 56.43	−19 20.5	1.836	2.817	6.7	20.8
7 10	19 48.27	−19 58.5	1.807	2.818	2.7	20.5
7 20	19 39.42	−20 37.9	1.804	2.818	1.6	20.4
7 30	19 30.89	−21 15.2	1.828	2.818	5.7	20.7
8 9	19 23.62	−21 48.0	1.879	2.819	9.5	20.9
8 19	19 18.33	−22 15.0	1.952	2.819	12.8	21.2

513228 2005 VO_{10} 7 16.2 190.°75 5.°2/12.7 18

6 10	20 10.08	−36 41.7	2.742	3.578	10.6	22.4
6 20	20 4.71	−37 48.5	2.668	3.576	8.5	22.3
6 30	19 57.38	−38 51.2	2.618	3.575	6.4	22.1
7 10	19 48.63	−39 44.9	2.595	3.573	5.2	22.1
7 20	19 39.20	−40 25.5	2.600	3.571	5.6	22.1
7 30	19 29.99	−40 50.3	2.632	3.569	7.3	22.2
8 9	19 21.90	−40 59.4	2.690	3.566	9.4	22.3
8 19	19 15.61	−40 54.2	2.770	3.563	11.5	22.5

506727 2006 UH_{268} 7 16.2 304.°02 7.°5/13.3 17

6 10	20 11.59	−34 13.4	1.366	2.238	17.1	21.1
6 20	20 7.86	−35 20.9	1.280	2.213	13.7	20.8
6 30	20 0.49	−36 26.9	1.214	2.189	10.2	20.6
7 10	19 50.15	−37 21.9	1.170	2.164	7.7	20.4
7 20	19 38.15	−37 56.4	1.149	2.140	8.4	20.3
7 30	19 26.36	−38 4.4	1.152	2.116	11.7	20.4
8 9	19 16.70	−37 45.8	1.175	2.092	15.8	20.6
8 19	19 10.53	−37 5.0	1.216	2.069	19.8	20.8

224150 2005 QD_{55} 7 16.2 312.°45 5.°0/14.6 18

6 10	20 10.83	−30 40.6	1.419	2.291	16.6	19.9
6 20	20 6.73	−31 19.2	1.341	2.277	13.0	19.7
6 30	19 59.39	−31 56.6	1.283	2.264	9.0	19.4
7 10	19 49.59	−32 25.8	1.247	2.251	5.6	19.2
7 20	19 38.58	−32 40.5	1.235	2.238	5.8	19.2
7 30	19 28.00	−32 37.0	1.248	2.225	9.4	19.3
8 9	19 19.43	−32 15.6	1.283	2.214	13.7	19.6
8 19	19 13.96	−31 39.7	1.337	2.202	17.6	19.8

33105 1997 YB_{14} 7 16.2 214.°35 0.°4/16.4 18

6 10	20 9.54	−16 50.5	2.207	3.041	12.8	19.7
6 20	20 4.44	−17 34.4	2.116	3.034	9.9	19.5
6 30	19 57.30	−18 27.6	2.048	3.025	6.4	19.3
7 10	19 48.63	−19 27.2	2.006	3.017	2.6	19.0
7 20	19 39.19	−20 29.2	1.993	3.007	1.5	18.9
7 30	19 29.89	−21 29.4	2.009	2.997	5.4	19.1
8 9	19 21.67	−22 24.5	2.052	2.987	9.1	19.3
8 19	19 15.27	−23 12.4	2.119	2.975	12.3	19.5

390783 2003 WG_{130} 7 16.2 244.°39 4.°3/13.9 18

6 10	20 11.24	−31 27.4	2.292	3.137	12.0	21.5
6 20	20 5.95	−32 24.5	2.201	3.122	9.4	21.3
6 30	19 58.38	−33 21.2	2.134	3.106	6.6	21.1
7 10	19 49.09	−34 11.9	2.093	3.090	4.5	20.9
7 20	19 38.92	−34 51.9	2.080	3.074	4.9	20.9
7 30	19 28.90	−35 17.7	2.095	3.057	7.4	21.1
8 9	19 20.09	−35 28.3	2.135	3.039	10.3	21.2
8 19	19 13.33	−35 25.1	2.197	3.021	13.1	21.4

43084 1999 WQ_{1} 7 16.2 255.°17 0.°8/15.7 18

6 10	20 9.56	−19 30.3	2.243	3.082	12.5	18.3
6 20	20 4.63	−20 29.5	2.139	3.061	9.6	18.1
6 30	19 57.55	−21 38.0	2.059	3.039	6.2	17.9
7 10	19 48.80	−22 51.8	2.006	3.017	2.4	17.6
7 20	19 39.09	−24 6.0	1.981	2.994	1.9	17.5
7 30	19 29.37	−25 16.0	1.986	2.971	5.8	17.7
8 9	19 20.64	−26 17.8	2.018	2.947	9.5	17.9
8 19	19 13.72	−27 9.6	2.074	2.922	12.9	18.1

480281 2015 HW_{108} 7 16.2 350.°70 8.°6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 4.36	+ 0 54.6	1.667	2.465	17.8	21.1
6 20	20 0.87	+ 1 16.8	1.590	2.462	15.2	20.9
6 30	19 55.15	+ 1 16.0	1.532	2.460	12.3	20.7
7 10	19 47.83	+ 0 49.9	1.495	2.458	9.8	20.6
7 20	19 39.74	− 0 1.1	1.481	2.457	8.6	20.5
7 30	19 31.95	− 1 14.0	1.492	2.456	9.5	20.5
8 9	19 25.46	− 2 42.5	1.526	2.455	12.0	20.7
8 19	19 21.03	− 4 19.4	1.582	2.455	14.9	20.9

370220 2002 NE_{59} 7 16.2 353.°40 1.°9/15.5 17

6 10	20 0.72	−20 56.4	0.978	1.881	19.7	20.3
6 20	19 59.64	−21 48.2	0.916	1.872	15.1	20.0
6 30	19 55.13	−22 53.5	0.871	1.865	9.7	19.7
7 10	19 48.01	−24 5.7	0.847	1.860	3.9	19.3
7 20	19 39.61	−25 16.1	0.843	1.856	3.4	19.3
7 30	19 31.72	−26 16.2	0.860	1.854	9.3	19.6
8 9	19 26.07	−27 0.7	0.897	1.855	14.8	19.9
8 19	19 23.78	−27 28.0	0.951	1.857	19.6	20.2

118632 2000 HR_{48} 7 16.2 12.°86 5.°5/17.9 17

6 10	20 6.60	−10 4.0	1.350	2.202	18.4	19.4
6 20	20 2.97	− 9 27.9	1.284	2.204	14.8	19.2
6 30	19 56.65	− 9 7.2	1.237	2.206	10.7	19.0
7 10	19 48.44	− 9 3.0	1.212	2.209	6.9	18.8
7 20	19 39.40	− 9 14.8	1.210	2.213	5.6	18.7
7 30	19 30.86	− 9 40.0	1.231	2.218	8.3	18.9
8 9	19 24.05	−10 14.4	1.276	2.223	12.3	19.1
8 19	19 19.79	−10 53.5	1.340	2.229	16.1	19.3

254569 2005 FQ_{14} 7 16.2 28.°67 1.°8/16.9 17

6 10	20 7.12	−14 17.2	1.270	2.136	18.5	19.8
6 20	20 3.62	−14 50.8	1.207	2.141	14.4	19.6
6 30	19 57.20	−15 41.1	1.164	2.146	9.5	19.3
7 10	19 48.69	−16 44.4	1.142	2.152	4.3	19.0
7 20	19 39.24	−17 54.8	1.144	2.158	2.5	18.9
7 30	19 30.31	−19 5.6	1.171	2.165	7.4	19.3
8 9	19 23.25	−20 10.9	1.221	2.173	12.3	19.6
8 19	19 18.98	−21 7.0	1.291	2.181	16.5	19.8

75698 2000 AS_{110} 7 16.2 80.°40 3.°2/17.5 18

6 10	20 10.11	−12 23.8	1.525	2.369	17.1	18.9
6 20	20 5.25	−12 26.3	1.466	2.385	13.3	18.7
6 30	19 57.90	−12 42.5	1.428	2.401	9.1	18.5
7 10	19 48.85	−13 10.9	1.413	2.417	4.9	18.3
7 20	19 39.17	−13 48.2	1.423	2.433	3.4	18.2
7 30	19 30.08	−14 30.6	1.459	2.449	6.8	18.5
8 9	19 22.67	−15 14.0	1.520	2.465	10.9	18.7
8 19	19 17.68	−15 55.3	1.602	2.480	14.5	19.0

389009 2008 UQ_{177} 7 16.2 284.°01 0.°7/15.9 18

6 10	20 9.26	−22 0.5	1.774	2.631	14.5	21.9
6 20	20 4.78	−22 13.6	1.683	2.614	11.2	21.6
6 30	19 57.79	−22 31.6	1.613	2.597	7.2	21.3
7 10	19 48.92	−22 51.2	1.568	2.580	2.8	21.0
7 20	19 39.07	−23 9.1	1.549	2.563	2.0	20.9
7 30	19 29.45	−23 22.4	1.557	2.546	6.6	21.2
8 9	19 21.23	−23 29.5	1.589	2.529	10.9	21.4
8 19	19 15.31	−23 30.3	1.643	2.512	14.7	21.6

95148 2002 AH_{167} 7 16.2 225.°47 7.°9/21.1 18

6 10	20 6.66	+ 3 2.5	1.957	2.727	16.5	19.9
6 20	20 2.35	+ 2 58.5	1.871	2.723	14.1	19.7
6 30	19 55.99	+ 2 31.4	1.804	2.719	11.5	19.6
7 10	19 48.15	+ 1 39.6	1.759	2.714	9.1	19.4
7 20	19 39.57	+ 0 24.1	1.739	2.710	7.9	19.3
7 30	19 31.19	− 1 11.3	1.745	2.705	8.7	19.4
8 9	19 23.94	− 3 0.2	1.776	2.700	11.0	19.5
8 19	19 18.55	− 4 55.5	1.832	2.694	13.7	19.7

159784 2003 MD_{11} 7 16.2 357.°78 5.°3/17.0 18

6 10	20 7.29	−13 41.3	1.295	2.158	18.4	18.5
6 20	20 3.63	−12 27.0	1.226	2.154	14.6	18.2
6 30	19 57.15	−11 21.5	1.177	2.151	10.4	18.0
7 10	19 48.65	−10 27.4	1.149	2.150	6.5	17.8
7 20	19 39.30	− 9 46.5	1.144	2.149	5.5	17.7
7 30	19 30.49	− 9 19.6	1.163	2.150	8.7	17.9
8 9	19 23.50	− 9 5.5	1.205	2.152	12.9	18.1
8 19	19 19.21	− 9 1.7	1.266	2.155	16.8	18.4

359540 2010 RX_{144} 7 16.2 359.°19 4.°4/18.3 18

6 10	20 4.81	− 8 4.6	2.168	2.985	13.6	20.6
6 20	20 0.69	− 7 47.4	2.087	2.985	11.0	20.5
6 30	19 54.78	− 7 42.3	2.029	2.985	8.1	20.3
7 10	19 47.63	− 7 49.6	1.995	2.985	5.4	20.1
7 20	19 39.93	− 8 8.3	1.986	2.985	4.5	20.1
7 30	19 32.49	− 8 36.7	2.005	2.985	6.2	20.2
8 9	19 26.09	− 9 11.9	2.050	2.985	9.1	20.3
8 19	19 21.35	− 9 50.9	2.118	2.985	11.9	20.5

277686 2006 BX_{275} 7 16.2 4°.10 3°.0/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 5.40	−11 18.1	1.505	2.356	16.9	20.6
6 20	20 1.94	−11 45.1	1.433	2.355	13.3	20.4
6 30	19 55.98	−12 29.4	1.381	2.355	9.2	20.2
7 10	19 48.20	−13 28.8	1.351	2.356	4.9	19.9
7 20	19 39.57	−14 39.1	1.346	2.357	3.2	19.8
7 30	19 31.29	−15 54.4	1.366	2.359	6.8	20.1
8 9	19 24.52	−17 8.9	1.411	2.361	11.2	20.3
8 19	19 20.11	−18 17.9	1.478	2.364	15.1	20.6

77282 2001 FW_{63} 7 16.2 204°.75 1°.2/16.8 18

6 10	20 7.96	−16 19.9	2.032	2.873	13.5	19.7
6 20	20 3.30	−16 36.1	1.951	2.871	10.5	19.5
6 30	19 56.57	−17 0.8	1.891	2.869	6.9	19.3
7 10	19 48.37	−17 31.9	1.857	2.866	3.0	19.0
7 20	19 39.49	−18 6.6	1.850	2.864	1.8	18.9
7 30	19 30.89	−18 41.8	1.871	2.861	5.6	19.2
8 9	19 23.48	−19 15.1	1.918	2.858	9.3	19.4
8 19	19 17.99	−19 44.5	1.988	2.855	12.6	19.6

133437 2003 SJ_{207} 7 16.2 297°.67 7°.5/19.1 18

6 10	20 5.44	− 2 47.5	1.797	2.605	16.4	19.4
6 20	20 1.66	− 2 9.8	1.708	2.590	13.8	19.2
6 30	19 55.69	− 1 49.3	1.637	2.576	10.9	19.0
7 10	19 48.09	− 1 48.3	1.589	2.561	8.4	18.8
7 20	19 39.64	− 2 7.6	1.565	2.547	7.5	18.7
7 30	19 31.36	− 2 45.9	1.566	2.533	8.9	18.8
8 9	19 24.25	− 3 39.1	1.590	2.519	11.6	18.9
8 19	19 19.13	− 4 42.2	1.637	2.506	14.7	19.1

11377 Nye 7 16.2 178°.40 0°.3/16.0 18

6 10	20 6.09	−21 4.4	2.789	3.627	10.3	19.0
6 20	20 1.35	−21 24.5	2.707	3.628	7.9	18.8
6 30	19 55.06	−21 48.0	2.649	3.629	5.0	18.6
7 10	19 47.72	−22 12.8	2.618	3.629	1.9	18.4
7 20	19 39.92	−22 36.8	2.615	3.629	1.3	18.4
7 30	19 32.34	−22 58.0	2.642	3.629	4.4	18.6
8 9	19 25.65	−23 15.2	2.696	3.629	7.3	18.8
8 19	19 20.37	−23 27.7	2.775	3.628	9.9	19.0

192664 1999 RK_{179} 7 16.2 287°.71 6°.7/13.4 18

6 10	20 13.08	−36 4.0	1.791	2.644	14.5	19.6
6 20	20 8.16	−37 0.2	1.702	2.623	11.7	19.4
6 30	20 0.23	−37 52.2	1.636	2.601	8.8	19.1
7 10	19 49.96	−38 32.5	1.593	2.580	6.9	19.0
7 20	19 38.49	−38 54.4	1.575	2.558	7.3	19.0
7 30	19 27.27	−38 54.2	1.582	2.537	9.9	19.1
8 9	19 17.79	−38 32.3	1.613	2.515	13.2	19.2
8 19	19 11.11	−37 52.3	1.664	2.493	16.4	19.4

478766 2012 UR_{118} 7 16.2 16°.88 19°.9/23.8 18

6 10	20 8.71	+23 6.0	1.684	2.330	22.8	20.7
6 20	20 4.40	+26 4.7	1.638	2.335	21.8	20.6
6 30	19 57.56	+28 31.9	1.606	2.340	20.9	20.5
7 10	19 48.85	+30 18.9	1.589	2.345	20.3	20.5
7 20	19 39.21	+31 20.0	1.587	2.352	20.0	20.5
7 30	19 29.87	+31 33.4	1.601	2.359	20.0	20.5
8 9	19 21.99	+31 3.0	1.628	2.367	20.4	20.5
8 19	19 16.47	+29 56.0	1.668	2.375	21.0	20.6

329443 2002 PD_{26} 7 16.2 299°.50 1°.7/16.8 17

6 10	20 7.98	−16 36.7	1.419	2.282	17.1	20.7
6 20	20 4.47	−16 38.9	1.323	2.256	13.4	20.4
6 30	19 58.01	−16 52.4	1.247	2.229	9.0	20.0
7 10	19 49.18	−17 15.6	1.193	2.203	4.1	19.7
7 20	19 38.96	−17 45.5	1.163	2.177	2.5	19.5
7 30	19 28.79	−18 18.3	1.157	2.151	7.6	19.7
8 9	19 20.16	−18 50.3	1.175	2.125	12.9	19.9
8 19	19 14.25	−19 18.9	1.212	2.099	17.6	20.1

339429 2005 ER_{83} 7 16.2 95°.07 4°.9/14.6 18

6 10	20 13.99	−34 8.3	1.976	2.823	13.6	20.3
6 20	20 8.02	−34 38.2	1.914	2.834	10.6	20.1
6 30	19 59.60	−35 2.6	1.874	2.844	7.6	20.0
7 10	19 49.53	−35 16.4	1.860	2.855	5.2	19.9
7 20	19 38.89	−35 15.9	1.872	2.865	5.3	19.9
7 30	19 28.89	−34 59.8	1.911	2.875	7.7	20.1
8 9	19 20.58	−34 29.6	1.974	2.885	10.7	20.3
8 19	19 14.68	−33 48.7	2.061	2.895	13.5	20.5

278291 2007 GF_{50} 7 16.2 58°.39 9°.5/13.1 18

6 10	20 17.16	−42 14.3	1.576	2.424	16.5	20.0
6 20	20 11.41	−43 24.7	1.528	2.435	13.6	19.8
6 30	20 2.22	−44 22.5	1.499	2.446	11.1	19.7
7 10	19 50.65	−44 58.6	1.493	2.458	9.6	19.7
7 20	19 38.24	−45 6.9	1.511	2.470	9.9	19.7
7 30	19 26.80	−44 46.0	1.551	2.482	11.8	19.8
8 9	19 17.83	−43 59.7	1.614	2.494	14.4	20.0
8 19	19 12.20	−42 54.9	1.696	2.507	16.9	20.2

504673 2009 CE_{51} 7 16.2 108°.73 3°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.11	− 7 32.3	2.234	3.043	13.5	21.3
6 20	20 2.32	− 7 58.8	2.163	3.058	10.8	21.2
6 30	19 55.78	− 8 39.2	2.115	3.072	7.7	21.0
7 10	19 48.04	− 9 32.3	2.092	3.086	4.8	20.9
7 20	19 39.81	−10 35.1	2.096	3.100	3.6	20.8
7 30	19 31.89	−11 43.8	2.129	3.113	5.5	21.0
8 9	19 25.05	−12 54.5	2.189	3.126	8.5	21.2
8 19	19 19.87	−14 3.3	2.274	3.139	11.3	21.4

121518 1999 UA_{12} 7 16.2 38°.14 0°.7/16.6 18

6 10	20 6.09	−18 10.6	2.188	3.032	12.6	20.7
6 20	20 1.70	−18 19.0	2.112	3.035	9.6	20.5
6 30	19 55.46	−18 33.4	2.059	3.038	6.2	20.3
7 10	19 47.94	−18 52.0	2.031	3.041	2.6	20.0
7 20	19 39.87	−19 12.4	2.030	3.045	1.5	20.0
7 30	19 32.12	−19 32.6	2.058	3.048	5.1	20.2
8 9	19 25.50	−19 50.7	2.111	3.051	8.6	20.4
8 19	19 20.62	−20 5.7	2.188	3.055	11.6	20.6

388636 2007 TG_{118} 7 16.2 283°.99 3°.1/17.6 16

6 10	20 6.54	−12 4.1	1.927	2.762	14.4	21.5
6 20	20 2.32	−12 1.4	1.843	2.756	11.4	21.3
6 30	19 56.02	−12 10.1	1.781	2.750	7.9	21.1
7 10	19 48.21	−12 29.3	1.742	2.744	4.5	20.9
7 20	19 39.69	−12 57.4	1.730	2.739	3.3	20.8
7 30	19 31.42	−13 31.7	1.745	2.733	6.1	21.0
8 9	19 24.34	−14 9.1	1.785	2.727	9.7	21.2
8 19	19 19.18	−14 46.7	1.848	2.721	13.1	21.4

471719 2012 TA_{319} 7 16.2 322°.28 0°.5/16.2 18

6 10	20 10.10	−24 49.5	1.345	2.219	17.2	20.0
6 20	20 6.34	−24 14.0	1.249	2.189	13.4	19.7
6 30	19 59.32	−23 36.0	1.172	2.158	8.8	19.3
7 10	19 49.72	−22 53.0	1.117	2.129	3.5	18.9
7 20	19 38.71	−22 3.4	1.086	2.100	2.3	18.7
7 30	19 27.91	−21 7.5	1.079	2.072	8.0	19.0
8 9	19 18.96	−20 7.5	1.095	2.046	13.5	19.2
8 19	19 13.06	−19 6.6	1.131	2.020	18.4	19.4

334424 2002 EB_{152} 7 16.2 238°.88 5°.0/18.6 18

6 10	20 8.22	− 5 51.5	2.254	3.054	13.7	21.9
6 20	20 3.39	− 5 41.7	2.154	3.038	11.2	21.7
6 30	19 56.64	− 5 45.5	2.075	3.022	8.5	21.5
7 10	19 48.46	− 6 3.3	2.021	3.005	5.9	21.3
7 20	19 39.53	− 6 34.6	1.993	2.987	5.0	21.2
7 30	19 30.70	− 7 17.3	1.993	2.969	6.6	21.3
8 9	19 22.83	− 8 8.2	2.020	2.950	9.5	21.4
8 19	19 16.62	− 9 3.6	2.071	2.930	12.5	21.6

126225 2002 AR_{51} 7 16.2 297°.10 1°.8/17.2 18

6 10	20 6.58	−12 32.9	1.614	2.461	16.1	19.9
6 20	20 3.00	−13 23.4	1.520	2.442	12.7	19.6
6 30	19 56.85	−14 32.5	1.446	2.424	8.6	19.3
7 10	19 48.68	−15 57.5	1.397	2.405	4.1	19.0
7 20	19 39.35	−17 33.0	1.373	2.387	2.3	18.8
7 30	19 30.07	−19 12.0	1.376	2.369	6.8	19.1
8 9	19 22.09	−20 47.4	1.404	2.351	11.5	19.3
8 19	19 16.44	−22 13.8	1.455	2.333	15.7	19.5

340536 2006 JA_{54} 7 16.2 310°.40 3°.0/17.3 17

6 10	20 7.63	−13 47.0	1.812	2.653	14.9	20.7
6 20	20 3.25	−13 29.4	1.731	2.649	11.7	20.5
6 30	19 56.65	−13 21.4	1.672	2.644	8.1	20.3
7 10	19 48.47	−13 22.3	1.636	2.640	4.4	20.1
7 20	19 39.56	−13 31.1	1.627	2.636	3.2	20.0
7 30	19 30.96	−13 45.8	1.643	2.632	6.4	20.2
8 9	19 23.69	−14 4.0	1.685	2.628	10.2	20.4
8 19	19 18.49	−14 23.8	1.750	2.624	13.6	20.6

505779 2015 BM_{270} 7 16.2 153°.83 1°.6/15.6 17

6 10	20 12.77	−24 5.0	1.943	2.791	13.8	22.3
6 20	20 7.06	−24 33.6	1.872	2.798	10.5	22.1
6 30	19 59.02	−25 5.1	1.823	2.804	6.7	21.8
7 10	19 49.37	−25 35.3	1.800	2.810	2.9	21.6
7 20	19 39.03	−26 0.5	1.804	2.816	2.5	21.6
7 30	19 29.14	−26 17.9	1.836	2.821	6.3	21.9
8 9	19 20.72	−26 26.5	1.894	2.825	10.0	22.1
8 19	19 14.52	−26 26.9	1.975	2.829	13.2	22.3

339413 2005 CB_{63} 7 16.2 180°.91 0°.9/16.6 18

6 10	20 10.22	−18 10.0	2.500	3.330	11.7	21.9
6 20	20 4.58	−18 6.1	2.416	3.331	9.0	21.7
6 30	19 57.19	−18 6.6	2.356	3.331	5.9	21.5
7 10	19 48.60	−18 10.2	2.322	3.332	2.5	21.3
7 20	19 39.50	−18 15.4	2.317	3.331	1.5	21.2
7 30	19 30.67	−18 20.8	2.342	3.330	4.8	21.5
8 9	19 22.90	−18 25.2	2.394	3.328	8.0	21.7
8 19	19 16.76	−18 28.2	2.471	3.326	10.8	21.9

506695 2006 TB_{93} 7 16.2 297°.25 0°.6/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.07	−21 56.5	1.432	2.300	16.7	21.8
6 20	20 5.96	−22 2.1	1.348	2.284	12.9	21.5
6 30	19 58.85	−22 13.0	1.284	2.269	8.4	21.2
7 10	19 49.47	−22 26.1	1.242	2.254	3.3	20.9
7 20	19 38.91	−22 37.4	1.225	2.239	2.2	20.7
7 30	19 28.66	−22 43.9	1.233	2.224	7.5	21.0
8 9	19 20.17	−22 44.1	1.264	2.210	12.5	21.3
8 19	19 14.48	−22 38.2	1.315	2.196	16.9	21.5

321775 2010 OZ_{74} 7 16.2 228°.05 5°.2/19.1 18

6 10	20 4.60	− 2 52.4	2.823	3.603	11.7	21.9
6 20	20 0.19	− 2 30.9	2.728	3.594	9.8	21.7
6 30	19 54.35	− 2 21.2	2.656	3.585	7.7	21.5
7 10	19 47.50	− 2 24.1	2.608	3.575	5.9	21.4
7 20	19 40.16	− 2 39.5	2.587	3.565	5.2	21.4
7 30	19 32.96	− 3 6.3	2.594	3.555	6.2	21.4
8 9	19 26.51	− 3 42.3	2.627	3.544	8.1	21.5
8 19	19 21.33	− 4 24.7	2.685	3.534	10.3	21.6

345048 2005 GO_{40} 7 16.2 151°.00 4°.0/18.3 17

6 10	20 7.49	− 7 59.3	2.396	3.202	12.8	21.8
6 20	20 2.52	− 7 49.3	2.318	3.209	10.3	21.6
6 30	19 55.88	− 7 50.5	2.263	3.216	7.5	21.5
7 10	19 48.09	− 8 3.0	2.233	3.223	5.0	21.3
7 20	19 39.83	− 8 25.4	2.231	3.229	4.1	21.3
7 30	19 31.84	− 8 56.1	2.256	3.235	5.8	21.4
8 9	19 24.86	− 9 32.2	2.309	3.240	8.4	21.6
8 19	19 19.44	−10 11.2	2.385	3.245	11.0	21.7

481195 2005 UL_{447} 7 16.2 260°.74 0°.4/16.1 17

6 10	20 8.29	−22 7.9	2.583	3.422	11.0	21.9
6 20	20 3.28	−22 13.6	2.481	3.403	8.5	21.7
6 30	19 56.48	−22 21.8	2.403	3.383	5.5	21.5
7 10	19 48.38	−22 30.6	2.352	3.363	2.1	21.2
7 20	19 39.63	−22 37.9	2.329	3.343	1.4	21.1
7 30	19 31.03	−22 42.2	2.335	3.322	4.9	21.4
8 9	19 23.36	−22 42.5	2.368	3.301	8.1	21.5
8 19	19 17.28	−22 38.7	2.426	3.279	11.1	21.7

249240 2008 JK_{26} 7 16.2 41°.42 1°.6/17.1 18

6 10	20 4.86	−14 12.9	2.202	3.038	12.8	20.3
6 20	20 0.77	−14 38.4	2.126	3.043	9.9	20.1
6 30	19 54.88	−15 13.6	2.072	3.047	6.6	19.9
7 10	19 47.74	−15 56.5	2.044	3.052	3.1	19.7
7 20	19 40.04	−16 44.3	2.044	3.057	1.9	19.6
7 30	19 32.62	−17 33.6	2.071	3.061	5.1	19.8
8 9	19 26.26	−18 21.3	2.125	3.067	8.4	20.1
8 19	19 21.57	−19 5.3	2.203	3.072	11.4	20.3

296108 2009 BQ_{47} 7 16.2 56°.56 0°.8/16.6 18

6 10	20 7.21	−17 20.3	1.884	2.733	14.1	20.8
6 20	20 2.85	−17 42.7	1.811	2.737	10.8	20.6
6 30	19 56.35	−18 13.6	1.761	2.741	7.0	20.3
7 10	19 48.34	−18 50.4	1.735	2.745	2.9	20.1
7 20	19 39.68	−19 29.6	1.735	2.750	1.7	20.0
7 30	19 31.37	−20 7.9	1.763	2.754	5.7	20.3
8 9	19 24.37	−20 42.5	1.816	2.759	9.6	20.5
8 19	19 19.39	−21 11.7	1.893	2.763	13.0	20.8

115098 2003 SN_{18} 7 16.2 232°.33 5°.2/18.8 18

6 10	20 7.04	− 5 10.7	2.242	3.041	13.8	20.9
6 20	20 2.45	− 4 58.9	2.148	3.031	11.3	20.7
6 30	19 56.00	− 5 1.0	2.076	3.020	8.6	20.5
7 10	19 48.21	− 5 17.7	2.028	3.009	6.1	20.3
7 20	19 39.74	− 5 48.3	2.006	2.998	5.2	20.2
7 30	19 31.42	− 6 30.7	2.012	2.986	6.7	20.3
8 9	19 24.08	− 7 21.7	2.044	2.973	9.4	20.4
8 19	19 18.38	− 8 17.6	2.100	2.960	12.3	20.6

60260 1999 XO_{6} 7 16.2 174°.30 1°.0/16.5 18

6 10	20 12.29	−18 49.0	1.677	2.526	15.5	19.7
6 20	20 6.96	−18 41.0	1.602	2.528	12.0	19.5
6 30	19 59.10	−18 39.0	1.548	2.529	7.8	19.2
7 10	19 49.44	−18 41.3	1.519	2.529	3.3	18.9
7 20	19 39.02	−18 45.6	1.516	2.530	2.0	18.9
7 30	19 29.05	−18 49.8	1.539	2.530	6.4	19.1
8 9	19 20.68	−18 52.6	1.588	2.530	10.7	19.4
8 19	19 14.72	−18 53.4	1.659	2.530	14.5	19.6

500083 2011 YO_{11} 7 16.2 99°.70 0°.9/15.8 17

6 10	20 11.94	−20 11.4	1.455	2.315	16.9	21.0
6 20	20 7.04	−20 59.6	1.394	2.327	12.8	20.8
6 30	19 59.29	−21 56.9	1.354	2.338	8.2	20.6
7 10	19 49.55	−22 57.7	1.337	2.349	3.2	20.3
7 20	19 38.96	−23 55.8	1.347	2.360	2.4	20.3
7 30	19 28.95	−24 45.9	1.382	2.371	7.2	20.6
8 9	19 20.80	−25 25.0	1.441	2.381	11.7	20.9
8 19	19 15.37	−25 52.4	1.521	2.391	15.6	21.2

143731 2003 UH_{213} 7 16.2 184°.29 4°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.23	−10 26.1	1.682	2.513	16.3	20.6
6 20	20 5.35	−10 9.8	1.605	2.514	13.0	20.4
6 30	19 58.07	−10 6.8	1.548	2.514	9.3	20.2
7 10	19 49.05	−10 17.1	1.515	2.513	5.7	20.0
7 20	19 39.24	−10 39.3	1.507	2.513	4.4	19.9
7 30	19 29.79	−11 10.8	1.526	2.511	7.2	20.0
8 9	19 21.80	−11 48.0	1.570	2.510	10.9	20.3
8 19	19 16.06	−12 27.5	1.635	2.508	14.5	20.5

295938 2008 XH_{14} 7 16.2 16°.68 0°.9/16.4 17

6 10	20 8.77	−20 36.9	0.960	1.853	20.9	19.8
6 20	20 5.60	−20 13.4	0.907	1.856	16.1	19.5
6 30	19 58.80	−19 56.8	0.871	1.861	10.4	19.2
7 10	19 49.42	−19 45.1	0.855	1.867	4.2	18.9
7 20	19 39.06	−19 35.7	0.860	1.874	2.5	18.8
7 30	19 29.59	−19 26.4	0.886	1.883	8.6	19.2
8 9	19 22.66	−19 16.3	0.933	1.892	14.2	19.5
8 19	19 19.18	−19 5.0	0.998	1.902	18.9	19.9

471788 2012 VB_{28} 7 16.2 67°.33 1°.1/15.8 16

6 10	20 10.06	−23 32.9	1.840	2.695	14.1	21.5
6 20	20 5.12	−23 43.6	1.767	2.697	10.8	21.3
6 30	19 57.84	−23 56.9	1.716	2.699	6.9	21.0
7 10	19 48.93	−24 9.8	1.690	2.701	2.8	20.8
7 20	19 39.35	−24 19.1	1.690	2.703	2.1	20.7
7 30	19 30.20	−24 22.7	1.717	2.705	6.2	21.0
8 9	19 22.54	−24 20.0	1.769	2.707	10.1	21.3
8 19	19 17.10	−24 11.4	1.845	2.709	13.5	21.5

384505 2010 CY_{117} 7 16.2 264°.88 1°.1/15.8 18

6 10	20 10.35	−22 39.9	1.853	2.705	14.1	21.5
6 20	20 5.58	−23 1.3	1.760	2.689	10.9	21.3
6 30	19 58.33	−23 27.4	1.690	2.673	7.0	21.0
7 10	19 49.21	−23 54.6	1.645	2.656	2.8	20.7
7 20	19 39.13	−24 19.2	1.626	2.639	2.2	20.6
7 30	19 29.24	−24 37.9	1.634	2.621	6.5	20.9
8 9	19 20.71	−24 49.2	1.667	2.604	10.7	21.1
8 19	19 14.44	−24 52.8	1.723	2.586	14.4	21.3

13616 1994 XQ_{4} 7 16.2 275°.71 1°.4/15.6 18

6 10	20 8.41	−23 3.0	1.938	2.792	13.5	18.6
6 20	20 3.97	−23 35.6	1.850	2.780	10.4	18.4
6 30	19 57.21	−24 13.0	1.785	2.768	6.7	18.2
7 10	19 48.75	−24 51.5	1.745	2.756	2.8	17.9
7 20	19 39.42	−25 26.8	1.731	2.743	2.4	17.8
7 30	19 30.32	−25 55.7	1.745	2.731	6.3	18.1
8 9	19 22.50	−26 16.0	1.784	2.719	10.2	18.3
8 19	19 16.80	−26 27.5	1.845	2.706	13.7	18.5

1459 Magnya 7 16.2 305°.57 8°.4/11.1 18 R

6 10	20 11.23	−41 50.0	2.092	2.932	13.2	15.0
6 20	20 6.67	−43 13.6	2.007	2.909	11.1	14.8
6 30	19 59.27	−44 30.8	1.944	2.886	9.3	14.7
7 10	19 49.66	−45 33.7	1.906	2.863	8.4	14.6
7 20	19 38.85	−46 15.6	1.892	2.841	9.0	14.6
7 30	19 28.20	−46 32.5	1.903	2.819	10.8	14.6
8 9	19 19.10	−46 24.7	1.936	2.797	13.2	14.7
8 19	19 12.61	−45 55.4	1.988	2.775	15.6	14.9

94789 2001 XF_{130} 7 16.2 308°.43 0°.5/16.4 18

6 10	20 7.56	−19 17.2	1.177	2.056	18.7	20.2
6 20	20 4.70	−19 24.3	1.091	2.034	14.6	19.9
6 30	19 58.46	−19 42.0	1.023	2.011	9.6	19.5
7 10	19 49.48	−20 7.4	0.976	1.989	3.9	19.1
7 20	19 38.93	−20 36.2	0.952	1.967	2.3	18.9
7 30	19 28.53	−21 3.6	0.951	1.946	8.5	19.2
8 9	19 20.05	−21 26.0	0.970	1.925	14.3	19.5
8 19	19 14.79	−21 41.7	1.008	1.905	19.5	19.7

60759 2000 GA_{112} 7 16.2 42°.55 8°.5/20.7 18

6 10	20 5.01	+ 1 35.7	1.846	2.631	16.8	19.0
6 20	20 1.10	+ 2 8.8	1.777	2.638	14.3	18.9
6 30	19 55.19	+ 2 21.1	1.728	2.646	11.7	18.7
7 10	19 47.89	+ 2 10.6	1.700	2.654	9.5	18.6
7 20	19 40.01	+ 1 37.2	1.695	2.661	8.5	18.6
7 30	19 32.47	+ 0 43.3	1.715	2.670	9.3	18.6
8 9	19 26.16	− 0 26.0	1.759	2.678	11.3	18.8
8 19	19 21.73	− 1 44.7	1.825	2.687	13.8	18.9

344933 2004 TY_{175} 7 16.2 296°.52 8°.6/11.9 18

6 10	20 12.53	−38 15.7	1.656	2.513	15.4	20.9
6 20	20 8.18	−39 44.0	1.575	2.493	12.6	20.7
6 30	20 0.52	−41 8.0	1.516	2.474	10.1	20.5
7 10	19 50.23	−42 18.1	1.480	2.455	8.6	20.4
7 20	19 38.50	−43 5.6	1.468	2.437	9.3	20.4
7 30	19 27.01	−43 25.2	1.479	2.418	11.7	20.5
8 9	19 17.43	−43 17.2	1.513	2.399	14.8	20.6
8 19	19 10.98	−42 45.7	1.565	2.381	17.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
199442 2006 DL_{33}			7 16.2 322°.28		0°.1/16.3 18	
	h m	° ′			°	m
6 10	20 7.62	−19 52.7	1.617	2.478	15.4	20.3
6 20	20 3.65	−20 4.3	1.537	2.470	11.9	20.0
6 30	19 57.13	−20 22.9	1.478	2.462	7.7	19.8
7 10	19 48.75	−20 45.9	1.443	2.454	3.0	19.5
7 20	19 39.47	−21 9.6	1.433	2.447	1.8	19.3
7 30	19 30.53	−21 31.0	1.449	2.440	6.6	19.6
8 9	19 23.10	−21 47.8	1.488	2.434	11.0	19.9
8 19	19 18.06	−21 59.0	1.550	2.428	14.9	20.1
405757 2005 YK_{138}			7 16.2 270°.23		1°.0/15.9 17	
6 10	20 12.73	−22 43.1	1.345	2.213	17.6	21.5
6 20	20 8.17	−22 51.9	1.266	2.203	13.6	21.2
6 30	20 0.36	−23 5.9	1.207	2.192	8.8	20.9
7 10	19 50.11	−23 20.8	1.170	2.182	3.5	20.6
7 20	19 38.63	−23 32.3	1.157	2.171	2.5	20.5
7 30	19 27.57	−23 37.1	1.169	2.160	7.9	20.8
8 9	19 18.47	−23 34.1	1.204	2.150	13.1	21.0
8 19	19 12.43	−23 24.0	1.260	2.139	17.6	21.3
452520 2004 TK_{4}			7 16.2 255°.73		0°.3/16.4 17	
6 10	20 6.29	−19 12.5	2.716	3.551	10.7	22.7
6 20	20 1.67	−19 23.9	2.616	3.535	8.2	22.5
6 30	19 55.41	−19 39.8	2.540	3.518	5.3	22.3
7 10	19 47.98	−19 58.6	2.491	3.501	2.1	22.1
7 20	19 39.97	−20 18.3	2.470	3.484	1.2	22.0
7 30	19 32.08	−20 37.0	2.478	3.467	4.5	22.2
8 9	19 25.04	−20 53.4	2.514	3.449	7.6	22.3
8 19	19 19.43	−21 6.4	2.574	3.431	10.4	22.5
66332 1999 JE_{60}			7 16.2 71°.96		3°.9/14.8 18	
6 10	20 12.73	−26 36.8	1.332	2.204	17.5	18.7
6 20	20 8.01	−27 37.4	1.277	2.215	13.3	18.4
6 30	20 0.10	−28 41.1	1.241	2.226	8.8	18.2
7 10	19 49.92	−29 40.1	1.229	2.236	4.7	18.0
7 20	19 38.83	−30 27.0	1.241	2.247	4.8	18.0
7 30	19 28.44	−30 57.1	1.278	2.258	8.8	18.3
8 9	19 20.22	−31 9.7	1.337	2.269	13.1	18.6
8 19	19 15.08	−31 6.9	1.416	2.280	16.9	18.8
3393 Štúr			7 16.2 27°.05		4°.5/18.4 18	
6 10	20 6.31	− 8 28.1	1.594	2.430	16.8	16.2
6 20	20 2.48	− 8 34.5	1.522	2.433	13.5	16.0
6 30	19 56.28	− 8 58.5	1.471	2.436	9.7	15.8
7 10	19 48.39	− 9 39.2	1.442	2.439	6.0	15.6
7 20	19 39.74	−10 34.1	1.438	2.443	4.6	15.5
7 30	19 31.46	−11 38.4	1.459	2.447	7.1	15.7
8 9	19 24.62	−12 46.9	1.505	2.451	10.9	15.9
8 19	19 20.00	−13 54.6	1.573	2.456	14.5	16.2
14226 Hamura			7 16.2 175°.20		1°.6/16.9 18	
6 10	20 8.41	−15 58.1	1.968	2.809	13.9	19.5
6 20	20 3.69	−16 0.7	1.890	2.809	10.8	19.3
6 30	19 56.87	−16 11.5	1.833	2.810	7.2	19.1
7 10	19 48.58	−16 28.9	1.802	2.810	3.3	18.8
7 20	19 39.64	−16 50.6	1.798	2.810	2.1	18.8
7 30	19 31.02	−17 14.2	1.820	2.811	5.7	19.0
8 9	19 23.66	−17 37.5	1.869	2.810	9.4	19.2
8 19	19 18.26	−17 58.7	1.941	2.810	12.7	19.4
78704 2002 TY_{177}			7 16.2 316°.14		9°.4/18.2 18	
6 10	20 8.96	− 0 25.7	1.902	2.687	16.4	17.9
6 20	20 4.15	+ 1 10.9	1.821	2.681	14.1	17.7
6 30	19 57.21	+ 2 33.2	1.761	2.675	11.7	17.6
7 10	19 48.73	+ 3 36.9	1.723	2.670	9.9	17.5
7 20	19 39.53	+ 4 18.5	1.710	2.664	9.4	17.4
7 30	19 30.58	+ 4 36.9	1.722	2.659	10.5	17.5
8 9	19 22.85	+ 4 33.9	1.757	2.654	12.6	17.6
8 19	19 17.06	+ 4 13.3	1.813	2.649	14.9	17.7
334672 2003 AV_{2}			7 16.2 188°.27		0°.2/16.2 15	
6 10	20 24.80	−25 19.7	1.250	2.106	19.4	20.0
6 20	20 17.36	−24 25.2	1.176	2.106	15.0	19.7
6 30	20 6.17	−23 26.5	1.123	2.105	9.8	19.4
7 10	19 52.32	−22 21.1	1.093	2.104	3.9	19.1
7 20	19 37.44	−21 9.1	1.088	2.103	2.3	19.0
7 30	19 23.51	−19 53.1	1.110	2.101	8.4	19.3
8 9	19 12.23	−18 37.7	1.156	2.098	13.8	19.6
8 19	19 4.59	−17 27.3	1.223	2.095	18.5	19.9
468475 2004 RK_{202}			7 16.2 280°.02		2°.9/17.1 18	
6 10	20 9.56	−14 50.5	1.771	2.613	15.2	21.1
6 20	20 4.96	−14 24.0	1.677	2.596	12.0	20.8
6 30	19 57.93	−14 5.4	1.604	2.578	8.2	20.6
7 10	19 49.09	−13 54.5	1.555	2.560	4.4	20.3
7 20	19 39.31	−13 50.6	1.533	2.543	3.3	20.2
7 30	19 29.72	−13 52.3	1.536	2.525	6.7	20.3
8 9	19 21.46	−13 58.1	1.565	2.507	10.9	20.5
8 19	19 15.40	−14 6.4	1.616	2.489	14.7	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
18539 1996 XX_{30}			7 16.2 247°.16		1°.6/16.9 18	
	h m	° ′			°	m
6 10	20 9.72	−16 18.5	2.114	2.949	13.3	19.0
6 20	20 4.71	−16 17.3	2.017	2.934	10.4	18.8
6 30	19 57.60	−16 23.4	1.942	2.917	6.9	18.6
7 10	19 48.91	−16 35.4	1.893	2.901	3.2	18.3
7 20	19 39.43	−16 51.4	1.871	2.884	2.1	18.2
7 30	19 30.10	−17 9.3	1.877	2.866	5.6	18.4
8 9	19 21.89	−17 27.2	1.909	2.848	9.4	18.6
8 19	19 15.56	−17 43.7	1.966	2.829	12.8	18.8
27446 Landoni			7 16.2 302°.81		1°.3/16.8 18	
6 10	20 7.08	−15 25.6	1.497	2.355	16.6	18.7
6 20	20 3.50	−15 55.2	1.413	2.343	12.9	18.5
6 30	19 57.22	−16 38.9	1.350	2.331	8.6	18.2
7 10	19 48.87	−17 34.0	1.309	2.319	3.8	17.9
7 20	19 39.44	−18 35.8	1.293	2.308	2.1	17.7
7 30	19 30.22	−19 38.7	1.303	2.296	7.0	18.0
8 9	19 22.52	−20 37.7	1.337	2.285	11.8	18.2
8 19	19 17.33	−21 29.3	1.392	2.275	16.0	18.5
418405 2008 KB_{18}			7 16.2 116°.47		4°.0/14.3 17	
6 10	20 13.21	−27 36.5	1.747	2.603	14.7	21.2
6 20	20 7.79	−28 51.5	1.687	2.616	11.3	21.0
6 30	19 59.71	−30 8.4	1.649	2.628	7.5	20.8
7 10	19 49.75	−31 20.1	1.636	2.640	4.4	20.7
7 20	19 38.98	−32 20.1	1.650	2.651	4.7	20.7
7 30	19 28.70	−33 3.9	1.691	2.663	7.9	20.9
8 9	19 20.11	−33 30.4	1.756	2.673	11.4	21.2
8 19	19 14.06	−33 41.1	1.844	2.684	14.6	21.4
198256 2004 TY_{228}			7 16.2 335°.61		0°.5/16.1 16	
6 10	20 7.65	−21 17.1	1.478	2.346	16.2	20.4
6 20	20 3.91	−21 30.5	1.402	2.339	12.5	20.1
6 30	19 57.43	−21 50.4	1.346	2.332	8.0	19.8
7 10	19 48.92	−22 13.3	1.313	2.326	3.2	19.5
7 20	19 39.46	−22 35.3	1.305	2.320	2.1	19.4
7 30	19 30.40	−22 53.0	1.322	2.314	7.1	19.8
8 9	19 23.01	−23 4.3	1.363	2.310	11.7	20.0
8 19	19 18.23	−23 8.9	1.424	2.305	15.8	20.2
386780 2010 DR_{45}			7 16.2 183°.07		1°.6/16.9 17	
6 10	20 9.20	−15 39.4	2.215	3.046	12.9	22.5
6 20	20 4.07	−15 43.3	2.132	3.047	10.0	22.3
6 30	19 57.03	−15 54.6	2.073	3.047	6.6	22.1
7 10	19 48.65	−16 12.0	2.039	3.046	3.1	21.9
7 20	19 39.66	−16 33.4	2.033	3.046	2.0	21.8
7 30	19 30.95	−16 56.6	2.055	3.044	5.3	22.0
8 9	19 23.37	−17 19.5	2.105	3.043	8.7	22.2
8 19	19 17.56	−17 40.7	2.178	3.040	11.8	22.4
232171 2002 EV_{23}			7 16.2 313°.15		4°.1/17.9 18	
6 10	20 6.36	−10 22.0	1.656	2.496	16.1	20.6
6 20	20 2.55	−10 17.2	1.574	2.488	12.9	20.3
6 30	19 56.39	−10 26.9	1.513	2.481	9.2	20.1
7 10	19 48.49	−10 50.9	1.474	2.474	5.5	19.9
7 20	19 39.73	−11 27.3	1.461	2.467	4.2	19.8
7 30	19 31.25	−12 12.9	1.473	2.461	7.0	19.9
8 9	19 24.12	−13 3.3	1.509	2.454	10.9	20.1
8 19	19 19.18	−13 54.5	1.567	2.448	14.6	20.3
125628 2001 XD_{59}			7 16.2 262°.59		0°.6/15.9 18	
6 10	20 9.80	−20 48.8	1.828	2.680	14.3	19.7
6 20	20 5.21	−21 17.6	1.736	2.665	11.0	19.4
6 30	19 58.14	−21 53.3	1.666	2.649	7.1	19.1
7 10	19 49.21	−22 32.6	1.621	2.633	2.8	18.8
7 20	19 39.29	−23 11.2	1.603	2.617	2.0	18.7
7 30	19 29.54	−23 45.3	1.611	2.600	6.4	19.0
8 9	19 21.12	−24 12.3	1.645	2.583	10.7	19.2
8 19	19 14.93	−24 31.4	1.701	2.566	14.4	19.4
116299 2003 YJ_{60}			7 16.2 243°.13		0°.1/16.2 18	
6 10	20 11.95	−19 39.7	1.837	2.683	14.5	20.8
6 20	20 6.84	−20 3.0	1.743	2.667	11.2	20.5
6 30	19 59.20	−20 33.7	1.670	2.651	7.3	20.3
7 10	19 49.63	−21 8.8	1.623	2.634	2.9	20.0
7 20	19 39.03	−21 44.4	1.602	2.616	1.8	19.8
7 30	19 28.57	−22 16.8	1.609	2.598	6.4	20.1
8 9	19 19.46	−22 43.5	1.641	2.579	10.8	20.3
8 19	19 12.61	−23 3.3	1.697	2.559	14.6	20.5
92984 2000 RS_{72}			7 16.2 244°.90		2°.1/17.1 18	
6 10	20 9.33	−14 37.3	2.150	2.980	13.3	20.3
6 20	20 4.40	−14 38.7	2.051	2.964	10.4	20.1
6 30	19 57.40	−14 48.7	1.975	2.948	7.0	19.8
7 10	19 48.86	−15 6.1	1.925	2.931	3.5	19.6
7 20	19 39.52	−15 29.2	1.902	2.913	2.4	19.5
7 30	19 30.32	−15 55.5	1.907	2.895	5.6	19.7
8 9	19 22.19	−16 22.7	1.938	2.877	9.3	19.9
8 19	19 15.88	−16 49.0	1.994	2.858	12.7	20.0

126815 2002 EE_{45} 7 16.2 14°.42 1°.3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.05	−24 43.7	1.145	2.033	18.5	18.7
6 20	20 3.84	−24 32.8	1.092	2.039	14.1	18.4
6 30	19 57.45	−24 23.7	1.058	2.048	9.1	18.2
7 10	19 48.89	−24 12.9	1.045	2.057	3.7	17.9
7 20	19 39.58	−23 57.5	1.055	2.069	2.7	17.9
7 30	19 31.11	−23 36.4	1.088	2.082	7.9	18.2
8 9	19 24.85	−23 10.1	1.142	2.096	12.8	18.5
8 19	19 21.60	−22 40.0	1.216	2.111	16.9	18.8

293754 2007 RR_{83} 7 16.2 305°.08 0°.3/16.1 18

6 10	20 7.91	−21 5.7	1.673	2.534	15.0	21.1
6 20	20 4.06	−21 16.1	1.575	2.508	11.6	20.8
6 30	19 57.57	−21 32.5	1.498	2.482	7.6	20.5
7 10	19 49.04	−21 52.1	1.444	2.456	3.0	20.2
7 20	19 39.38	−22 11.7	1.416	2.430	1.9	20.0
7 30	19 29.82	−22 27.8	1.414	2.405	6.8	20.3
8 9	19 21.64	−22 38.6	1.436	2.380	11.5	20.5
8 19	19 15.85	−22 43.2	1.479	2.355	15.6	20.7

72257 2001 AV_{32} 7 16.2 89°.46 3°.2/15.3 18

6 10	20 15.78	−27 33.4	1.488	2.349	16.6	19.0
6 20	20 9.87	−28 1.4	1.434	2.366	12.6	18.8
6 30	20 1.04	−28 29.1	1.401	2.383	8.3	18.6
7 10	19 50.24	−28 50.8	1.392	2.400	4.2	18.4
7 20	19 38.78	−29 1.9	1.408	2.417	4.0	18.4
7 30	19 28.15	−29 0.1	1.451	2.433	7.8	18.7
8 9	19 19.62	−28 46.4	1.517	2.449	11.9	19.0
8 19	19 13.96	−28 23.1	1.604	2.465	15.4	19.2

47638 2000 CP_{28} 7 16.3 186°.67 2°.0/17.2 18

6 10	20 7.83	−14 26.2	2.115	2.949	13.3	19.7
6 20	20 3.13	−14 29.7	2.034	2.949	10.4	19.6
6 30	19 56.48	−14 42.1	1.976	2.949	7.0	19.3
7 10	19 48.46	−15 1.9	1.942	2.948	3.5	19.1
7 20	19 39.83	−15 27.3	1.936	2.947	2.3	19.0
7 30	19 31.47	−15 55.6	1.957	2.946	5.5	19.2
8 9	19 24.25	−16 24.6	2.005	2.945	8.9	19.5
8 19	19 18.84	−16 52.2	2.077	2.944	12.1	19.7

394663 2008 CQ_{16} 7 16.3 211°.30 1°.8/17.2 18

6 10	20 6.34	−14 19.9	2.313	3.144	12.4	21.3
6 20	20 1.87	−14 29.4	2.228	3.142	9.7	21.2
6 30	19 55.62	−14 47.4	2.166	3.139	6.5	21.0
7 10	19 48.12	−15 12.5	2.131	3.137	3.2	20.7
7 20	19 40.04	−15 42.7	2.122	3.134	2.1	20.7
7 30	19 32.19	−16 15.5	2.142	3.131	5.1	20.9
8 9	19 25.35	−16 48.6	2.188	3.128	8.3	21.1
8 19	19 20.13	−17 20.0	2.259	3.125	11.3	21.2

364080 2005 YP_{54} 7 16.3 186°.98 0°.1/16.2 17

6 10	20 13.64	−21 16.3	1.386	2.248	17.4	21.7
6 20	20 8.58	−21 16.9	1.315	2.248	13.4	21.4
6 30	20 0.47	−21 23.2	1.264	2.248	8.7	21.2
7 10	19 50.14	−21 31.6	1.236	2.248	3.4	20.9
7 20	19 38.84	−21 38.8	1.233	2.247	2.1	20.8
7 30	19 28.10	−21 42.1	1.255	2.247	7.4	21.1
8 9	19 19.33	−21 40.4	1.301	2.246	12.3	21.4
8 19	19 13.48	−21 33.9	1.367	2.245	16.5	21.6

478003 2011 SU_{141} 7 16.3 287°.38 1°.2/15.8 16

6 10	20 8.48	−23 2.9	2.025	2.876	13.1	22.0
6 20	20 4.05	−23 24.9	1.925	2.854	10.1	21.8
6 30	19 57.34	−23 51.1	1.848	2.831	6.5	21.5
7 10	19 48.90	−24 18.3	1.797	2.808	2.7	21.2
7 20	19 39.55	−24 42.9	1.772	2.785	2.1	21.1
7 30	19 30.31	−25 2.1	1.775	2.762	6.1	21.3
8 9	19 22.26	−25 14.0	1.803	2.739	10.1	21.5
8 19	19 16.23	−25 18.5	1.854	2.715	13.6	21.7

508036 2015 BV_{481} 7 16.3 46°.76 2°.8/17.5 17

6 10	20 7.87	−12 44.7	1.482	2.333	17.1	21.1
6 20	20 3.84	−13 0.3	1.415	2.339	13.4	20.9
6 30	19 57.25	−13 30.8	1.369	2.345	9.1	20.6
7 10	19 48.84	−14 14.1	1.345	2.352	4.7	20.4
7 20	19 39.64	−15 6.4	1.347	2.358	3.0	20.3
7 30	19 30.88	−16 2.8	1.373	2.366	6.8	20.6
8 9	19 23.75	−16 58.5	1.424	2.373	11.2	20.8
8 19	19 19.06	−17 49.7	1.497	2.380	15.0	21.1

130866 2000 UO_{109} 7 16.3 187°.08 0°.6/15.9 18

6 10	20 10.18	−21 2.0	2.440	3.276	11.7	20.4
6 20	20 4.77	−21 36.3	2.356	3.276	8.9	20.2
6 30	19 57.48	−22 15.4	2.295	3.275	5.7	20.0
7 10	19 48.86	−22 56.1	2.262	3.273	2.2	19.8
7 20	19 39.62	−23 35.3	2.257	3.270	1.6	19.7
7 30	19 30.60	−24 10.1	2.282	3.267	5.1	20.0
8 9	19 22.63	−24 38.6	2.333	3.264	8.4	20.2
8 19	19 16.36	−25 0.2	2.410	3.259	11.3	20.4

132677 2002 ND_{15} 7 16.3 331°.22 0°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 5.60	−18 9.8	1.595	2.457	15.5	19.3
6 20	20 2.27	−19 11.4	1.514	2.448	11.9	19.1
6 30	19 56.39	−20 25.9	1.454	2.439	7.7	18.8
7 10	19 48.58	−21 48.7	1.418	2.430	3.0	18.5
7 20	19 39.75	−23 13.3	1.408	2.422	2.1	18.4
7 30	19 31.14	−24 33.0	1.424	2.414	6.9	18.7
8 9	19 23.95	−25 42.5	1.464	2.407	11.4	18.9
8 19	19 19.13	−26 39.2	1.527	2.401	15.3	19.2

182018 1999 YA_{8} 7 16.3 155°.89 0°.3/16.2 17

6 10	20 12.64	−20 18.2	1.974	2.815	13.8	22.2
6 20	20 6.92	−20 42.2	1.900	2.823	10.6	22.0
6 30	19 58.97	−21 11.8	1.850	2.830	6.8	21.8
7 10	19 49.46	−21 43.7	1.826	2.837	2.6	21.6
7 20	19 39.29	−22 14.4	1.829	2.843	1.7	21.5
7 30	19 29.51	−22 41.0	1.860	2.848	5.8	21.8
8 9	19 21.13	−23 1.7	1.917	2.852	9.6	22.0
8 19	19 14.88	−23 16.1	1.998	2.856	12.9	22.2

139178 2001 FR_{137} 7 16.3 81°.69 2°.0/17.0 18

6 10	20 11.01	−15 8.6	1.492	2.343	17.0	19.6
6 20	20 6.11	−15 18.6	1.434	2.358	13.2	19.4
6 30	19 58.62	−15 40.2	1.395	2.374	8.7	19.2
7 10	19 49.35	−16 11.1	1.380	2.389	4.1	19.0
7 20	19 39.42	−16 47.4	1.391	2.404	2.5	18.9
7 30	19 30.08	−17 25.3	1.427	2.419	6.7	19.2
8 9	19 22.49	−18 1.3	1.488	2.434	11.0	19.5
8 19	19 17.41	−18 33.1	1.570	2.448	14.7	19.7

361443 2007 BL_{24} 7 16.3 147°.59 0°.1/16.3 18

6 10	20 7.28	−20 8.2	2.623	3.459	11.0	22.3
6 20	20 2.35	−20 22.3	2.545	3.465	8.3	22.1
6 30	19 55.82	−20 40.5	2.492	3.471	5.3	21.9
7 10	19 48.19	−21 0.5	2.466	3.477	2.1	21.7
7 20	19 40.10	−21 20.3	2.468	3.482	1.2	21.6
7 30	19 32.29	−21 38.1	2.499	3.487	4.5	21.9
8 9	19 25.45	−21 52.5	2.557	3.492	7.5	22.1
8 19	19 20.12	−22 3.0	2.640	3.496	10.2	22.3

144070 2004 BV_{46} 7 16.3 258°.45 0°.6/16.4 18

6 10	20 12.04	−19 54.9	1.625	2.478	15.8	20.1
6 20	20 7.09	−19 47.1	1.539	2.468	12.2	19.8
6 30	19 59.44	−19 44.7	1.475	2.456	8.0	19.6
7 10	19 49.77	−19 45.5	1.434	2.445	3.3	19.2
7 20	19 39.12	−19 47.1	1.419	2.433	1.9	19.1
7 30	19 28.79	−19 47.5	1.430	2.421	6.8	19.4
8 9	19 20.05	−19 45.5	1.466	2.409	11.3	19.6
8 19	19 13.81	−19 40.9	1.524	2.397	15.4	19.9

439000 2010 VL_{29} 7 16.3 285°.63 5°.6/18.3 16

6 10	20 5.93	− 5 48.6	2.320	3.122	13.3	21.6
6 20	20 1.62	− 5 7.4	2.221	3.105	11.0	21.4
6 30	19 55.54	− 4 37.1	2.144	3.087	8.5	21.2
7 10	19 48.15	− 4 19.3	2.092	3.070	6.3	21.0
7 20	19 40.10	− 4 14.6	2.066	3.052	5.6	20.9
7 30	19 32.18	− 4 22.6	2.066	3.034	7.0	21.0
8 9	19 25.17	− 4 41.3	2.092	3.017	9.5	21.1
8 19	19 19.73	− 5 8.2	2.142	2.999	12.2	21.3

192662 1999 RK_{161} 7 16.3 318°.80 4°.5/17.8 17

6 10	20 6.69	−10 44.3	1.627	2.468	16.3	19.7
6 20	20 2.86	−10 20.0	1.545	2.459	13.1	19.5
6 30	19 56.64	−10 8.5	1.483	2.451	9.4	19.2
7 10	19 48.65	−10 10.4	1.444	2.442	5.8	19.0
7 20	19 39.80	−10 25.0	1.429	2.434	4.6	18.9
7 30	19 31.23	−10 50.1	1.440	2.426	7.3	19.0
8 9	19 24.05	−11 22.4	1.474	2.419	11.2	19.3
8 19	19 19.10	−11 58.3	1.530	2.412	14.9	19.5

474901 2005 SD_{188} 7 16.3 1°.36 6°.1/13.7 18

6 10	20 9.92	−35 27.4	1.858	2.714	13.9	20.6
6 20	20 5.39	−36 20.4	1.791	2.714	11.1	20.4
6 30	19 58.25	−37 8.3	1.746	2.713	8.2	20.2
7 10	19 49.26	−37 44.8	1.725	2.713	6.3	20.1
7 20	19 39.47	−38 4.8	1.729	2.714	6.6	20.2
7 30	19 30.17	−38 5.8	1.758	2.715	8.9	20.3
8 9	19 22.53	−37 48.4	1.811	2.716	11.8	20.5
8 19	19 17.37	−37 16.0	1.885	2.718	14.6	20.7

346029 2007 TA_{365} 7 16.3 262°.94 8°.2/21.5 18

6 10	20 7.05	+ 5 12.1	2.191	2.939	15.6	21.2
6 20	20 2.66	+ 5 10.2	2.086	2.919	13.5	21.0
6 30	19 56.32	+ 4 46.0	2.001	2.900	11.3	20.8
7 10	19 48.51	+ 3 57.1	1.938	2.880	9.3	20.7
7 20	19 39.88	+ 2 43.6	1.900	2.860	8.2	20.5
7 30	19 31.29	+ 1 8.1	1.889	2.839	8.9	20.5
8 9	19 23.63	− 0 43.8	1.904	2.818	10.9	20.6
8 19	19 17.63	− 2 45.2	1.944	2.797	13.4	20.8

309084 2006 VD_{72} 7 16.3 219.°79 0.°4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.57	−18 53.9	2.664	3.496	10.9	22.7
6 20	20 2.65	−19 4.6	2.571	3.488	8.4	22.5
6 30	19 56.08	−19 20.1	2.502	3.480	5.4	22.3
7 10	19 48.33	−19 38.4	2.460	3.471	2.2	22.1
7 20	19 40.03	−19 57.7	2.447	3.461	1.3	22.0
7 30	19 31.91	−20 16.1	2.463	3.452	4.5	22.2
8 9	19 24.69	−20 32.1	2.506	3.441	7.6	22.4
8 19	19 18.95	−20 45.0	2.575	3.431	10.4	22.6

61793 2000 QB_{183} 7 16.3 234.°40 2.°7/17.8 18

6 10	20 5.68	−11 2.8	2.386	3.207	12.4	20.0
6 20	20 1.36	−11 16.0	2.296	3.201	9.8	19.8
6 30	19 55.33	−11 39.9	2.229	3.195	6.8	19.6
7 10	19 48.06	−12 13.6	2.188	3.188	3.9	19.4
7 20	19 40.20	−12 55.0	2.174	3.182	2.8	19.3
7 30	19 32.50	−13 41.5	2.188	3.175	5.2	19.4
8 9	19 25.75	−14 30.0	2.229	3.168	8.3	19.6
8 19	19 20.53	−15 17.8	2.295	3.161	11.2	19.8

520014 2013 UT_{20} 7 16.3 157.°61 3.°7/17.5 17

6 10	20 10.59	−12 16.6	1.934	2.762	14.6	21.8
6 20	20 5.33	−11 46.7	1.857	2.765	11.6	21.6
6 30	19 57.95	−11 26.1	1.802	2.768	8.1	21.4
7 10	19 49.10	−11 14.9	1.772	2.771	4.8	21.2
7 20	19 39.62	−11 12.6	1.769	2.774	3.8	21.1
7 30	19 30.52	−11 17.9	1.792	2.777	6.4	21.3
8 9	19 22.72	−11 28.8	1.842	2.779	9.8	21.5
8 19	19 16.93	−11 43.4	1.915	2.781	13.0	21.7

206627 2003 WO_{146} 7 16.3 298.°67 2.°4/14.9 18

6 10	20 7.88	−22 20.8	1.735	2.596	14.6	19.6
6 20	20 4.13	−23 35.8	1.638	2.571	11.2	19.3
6 30	19 57.74	−25 1.5	1.563	2.547	7.3	19.0
7 10	19 49.22	−26 32.3	1.513	2.523	3.4	18.7
7 20	19 39.44	−28 1.0	1.489	2.499	3.4	18.7
7 30	19 29.63	−29 20.5	1.492	2.475	7.6	18.9
8 9	19 21.09	−30 26.0	1.520	2.451	12.0	19.1
8 19	19 14.91	−31 15.5	1.570	2.427	15.8	19.3

474540 2003 WU_{34} 7 16.3 330.°86 3.°8/16.9 16

6 10	20 3.87	−16 4.6	1.252	2.128	18.1	20.3
6 20	20 1.64	−15 15.9	1.159	2.097	14.4	19.9
6 30	19 56.40	−14 33.8	1.084	2.067	10.0	19.6
7 10	19 48.75	−13 59.4	1.030	2.038	5.5	19.3
7 20	19 39.73	−13 33.5	0.999	2.010	4.2	19.1
7 30	19 30.81	−13 16.0	0.990	1.983	8.6	19.3
8 9	19 23.54	−13 6.2	1.002	1.958	13.8	19.5
8 19	19 19.11	−13 2.4	1.032	1.935	18.6	19.7

430523 2002 AX_{129} 7 16.3 172.°03 10.°4/12.8 18

6 10	20 25.44	−49 38.3	2.009	2.812	15.0	20.9
6 20	20 17.59	−50 36.8	1.949	2.815	13.0	20.8
6 30	20 6.22	−51 19.4	1.909	2.816	11.4	20.7
7 10	19 52.40	−51 37.3	1.892	2.818	10.4	20.6
7 20	19 37.72	−51 25.1	1.899	2.819	10.7	20.6
7 30	19 24.04	−50 42.0	1.930	2.819	12.0	20.7
8 9	19 12.93	−49 32.5	1.983	2.820	13.9	20.8
8 19	19 5.28	−48 3.8	2.056	2.820	15.9	21.0

382573 2002 AK_{174} 7 16.3 250.°07 2.°9/15.6 16

6 10	20 15.63	−29 26.8	1.862	2.711	14.3	21.5
6 20	20 9.59	−29 26.3	1.776	2.701	11.0	21.3
6 30	20 0.91	−29 22.6	1.712	2.691	7.4	21.1
7 10	19 50.32	−29 11.6	1.674	2.680	3.8	20.8
7 20	19 38.90	−28 50.4	1.662	2.670	3.5	20.8
7 30	19 27.93	−28 17.9	1.677	2.659	7.0	21.0
8 9	19 18.61	−27 35.7	1.719	2.648	10.9	21.2
8 19	19 11.80	−26 46.6	1.783	2.636	14.4	21.4

235880 2005 BM_{48} 7 16.3 86.°11 1.°6/16.9 18

6 10	20 7.76	−15 28.0	1.885	2.728	14.3	20.3
6 20	20 3.32	−15 41.7	1.810	2.731	11.1	20.1
6 30	19 56.74	−16 5.0	1.758	2.735	7.4	19.8
7 10	19 48.65	−16 35.8	1.730	2.738	3.4	19.6
7 20	19 39.90	−17 11.4	1.728	2.741	2.1	19.5
7 30	19 31.49	−17 48.3	1.754	2.745	5.8	19.8
8 9	19 24.38	−18 23.9	1.805	2.748	9.6	20.0
8 19	19 19.27	−18 55.9	1.879	2.752	13.0	20.2

500858 2013 JJ_{3} 7 16.3 100.°10 4.°1/15.2 17

6 10	20 16.07	−28 58.7	1.342	2.209	17.6	21.6
6 20	20 10.63	−29 28.1	1.281	2.216	13.6	21.3
6 30	20 1.86	−29 56.3	1.240	2.222	9.1	21.1
7 10	19 50.73	−30 16.7	1.222	2.229	5.0	20.9
7 20	19 38.69	−30 23.7	1.229	2.235	4.8	20.9
7 30	19 27.44	−30 14.8	1.260	2.241	8.8	21.2
8 9	19 18.49	−29 51.3	1.314	2.247	13.2	21.4
8 19	19 12.76	−29 16.9	1.388	2.253	17.1	21.7

464712 2002 QQ_{139} 7 16.3 351.°16 6.°3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.12	−11 2.0	0.900	1.796	21.7	20.5
6 20	19 56.93	−10 20.0	0.836	1.782	17.5	20.2
6 30	19 53.50	− 9 57.5	0.788	1.771	12.8	19.9
7 10	19 47.61	− 9 57.2	0.758	1.761	8.2	19.6
7 20	19 40.48	−10 19.2	0.747	1.755	6.4	19.5
7 30	19 33.81	−10 59.7	0.754	1.750	9.9	19.6
8 9	19 29.22	−11 51.9	0.781	1.748	14.9	19.9
8 19	19 27.82	−12 48.4	0.824	1.749	19.7	20.2

467470 2006 QQ_{12} 7 16.3 299.°40 3.°0/15.2 18

6 10	20 9.72	−24 57.5	1.372	2.246	16.9	20.7
6 20	20 6.18	−25 39.3	1.282	2.221	13.2	20.4
6 30	19 59.39	−26 27.6	1.211	2.197	8.7	20.1
7 10	19 49.97	−27 16.8	1.162	2.172	4.1	19.8
7 20	19 39.02	−27 59.7	1.138	2.148	4.0	19.7
7 30	19 28.16	−28 30.6	1.138	2.124	8.8	19.9
8 9	19 19.07	−28 46.6	1.160	2.100	13.9	20.1
8 19	19 13.03	−28 48.2	1.201	2.077	18.5	20.3

479955 2014 HP_{182} 7 16.3 239.°90 6.°4/19.6 18

6 10	20 6.19	− 1 21.0	2.262	3.045	14.1	21.4
6 20	20 1.84	− 1 4.2	2.169	3.035	11.9	21.2
6 30	19 55.70	− 1 3.4	2.097	3.025	9.5	21.0
7 10	19 48.25	− 1 19.9	2.048	3.014	7.3	20.9
7 20	19 40.14	− 1 53.5	2.026	3.004	6.4	20.8
7 30	19 32.18	− 2 42.3	2.029	2.992	7.5	20.9
8 9	19 25.16	− 3 42.7	2.059	2.981	9.8	21.0
8 19	19 19.74	− 4 50.4	2.112	2.969	12.3	21.1

37783 1997 MP_{2} 7 16.3 101.°01 2.°1/17.0 18

6 10	20 10.11	−15 47.2	1.979	2.816	14.0	18.8
6 20	20 4.87	−15 30.8	1.910	2.827	10.8	18.6
6 30	19 57.59	−15 21.5	1.863	2.838	7.3	18.4
7 10	19 48.95	−15 18.5	1.842	2.848	3.6	18.2
7 20	19 39.78	−15 20.3	1.847	2.859	2.4	18.2
7 30	19 31.05	−15 25.5	1.880	2.869	5.7	18.4
8 9	19 23.65	−15 32.4	1.940	2.880	9.2	18.7
8 19	19 18.22	−15 39.9	2.022	2.890	12.4	18.9

467935 2012 BX_{126} 7 16.3 79.°44 2.°1/15.5 17

6 10	20 14.00	−24 7.3	1.452	2.315	16.8	21.0
6 20	20 8.55	−24 44.3	1.401	2.335	12.7	20.8
6 30	20 0.25	−25 25.0	1.371	2.355	8.2	20.6
7 10	19 50.03	−26 3.6	1.364	2.375	3.5	20.4
7 20	19 39.16	−26 35.0	1.383	2.394	3.1	20.4
7 30	19 29.06	−26 55.7	1.427	2.414	7.4	20.7
8 9	19 20.97	−27 4.9	1.496	2.433	11.6	21.0
8 19	19 15.67	−27 4.0	1.586	2.452	15.3	21.3

92122 1999 XT_{96} 7 16.3 185.°73 4.°1/18.3 18

6 10	20 6.44	− 6 28.6	3.167	3.954	10.4	19.6
6 20	20 1.42	− 5 56.5	3.078	3.953	8.5	19.4
6 30	19 55.12	− 5 32.7	3.013	3.952	6.4	19.3
7 10	19 47.94	− 5 17.7	2.974	3.951	4.7	19.2
7 20	19 40.37	− 5 11.7	2.963	3.949	4.1	19.1
7 30	19 32.98	− 5 14.1	2.981	3.947	5.2	19.2
8 9	19 26.31	− 5 23.5	3.027	3.945	7.1	19.3
8 19	19 20.81	− 5 38.4	3.098	3.942	9.2	19.4

360038 2013 AY_{41} 7 16.3 289.°09 4.°4/14.7 18

6 10	20 12.19	−33 13.2	2.050	2.899	13.1	20.3
6 20	20 6.84	−33 36.0	1.969	2.891	10.3	20.1
6 30	19 59.07	−33 54.3	1.912	2.884	7.3	19.9
7 10	19 49.60	−34 3.6	1.879	2.876	4.8	19.8
7 20	19 39.38	−34 0.1	1.872	2.869	4.9	19.8
7 30	19 29.59	−33 42.2	1.893	2.862	7.5	19.9
8 9	19 21.30	−33 10.9	1.939	2.855	10.6	20.1
8 19	19 15.30	−32 28.9	2.007	2.848	13.5	20.3

115850 2003 UN_{268} 7 16.3 36.°52 1.°6/15.6 18

6 10	20 9.44	−23 59.5	1.856	2.712	14.0	19.8
6 20	20 4.76	−24 25.8	1.782	2.712	10.7	19.6
6 30	19 57.75	−24 55.5	1.730	2.713	6.9	19.4
7 10	19 49.08	−25 24.5	1.703	2.714	2.9	19.1
7 20	19 39.68	−25 49.1	1.703	2.715	2.5	19.1
7 30	19 30.68	−26 6.4	1.729	2.716	6.4	19.3
8 9	19 23.11	−26 15.2	1.781	2.717	10.2	19.6
8 19	19 17.74	−26 15.8	1.855	2.718	13.5	19.8

426418 2013 QG_{9} 7 16.3 291.°12 2.°4/15.6 17

6 10	20 12.35	−26 18.9	1.482	2.348	16.3	21.2
6 20	20 7.80	−26 30.3	1.396	2.331	12.7	20.9
6 30	20 0.16	−26 42.7	1.331	2.315	8.3	20.6
7 10	19 50.17	−26 51.7	1.288	2.298	3.8	20.3
7 20	19 38.99	−26 52.7	1.271	2.282	3.4	20.2
7 30	19 28.14	−26 43.0	1.279	2.266	8.0	20.5
8 9	19 19.12	−26 22.5	1.310	2.250	12.7	20.7
8 19	19 12.99	−25 53.4	1.361	2.234	16.9	20.9

347288 2011 MU_4 7 16.3 320°.84 4°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.12	−15 10.6	1.597	2.445	16.2	19.9
6 20	20 5.64	−13 58.4	1.504	2.425	12.9	19.7
6 30	19 58.54	−12 50.1	1.433	2.406	9.1	19.4
7 10	19 49.48	−11 47.6	1.385	2.387	5.5	19.1
7 20	19 39.42	−10 52.7	1.363	2.368	4.6	19.0
7 30	19 29.62	−10 7.2	1.366	2.351	7.9	19.2
8 9	19 21.31	− 9 31.8	1.393	2.334	12.0	19.4
8 19	19 15.40	− 9 5.8	1.442	2.317	16.0	19.6

30894 1993 FD_{20} 7 16.3 223°.94 3°.8/14.8 18

6 10	20 13.94	−27 3.3	1.512	2.375	16.2	19.1
6 20	20 8.97	−27 58.4	1.437	2.370	12.5	18.8
6 30	20 0.88	−28 57.0	1.382	2.364	8.4	18.5
7 10	19 50.44	−29 52.1	1.351	2.358	4.5	18.3
7 20	19 38.84	−30 36.6	1.345	2.351	4.7	18.3
7 30	19 27.62	−31 5.6	1.365	2.344	8.6	18.5
8 9	19 18.27	−31 17.8	1.409	2.337	12.9	18.7
8 19	19 11.85	−31 14.9	1.473	2.330	16.7	19.0

182193 2000 UB_{21} 7 16.3 296°.83 5°.8/18.7 18

6 10	20 5.11	− 5 16.4	2.112	2.919	14.2	20.3
6 20	20 1.17	− 4 47.6	2.019	2.906	11.8	20.1
6 30	19 55.34	− 4 32.2	1.947	2.892	9.1	19.9
7 10	19 48.13	− 4 31.6	1.899	2.878	6.7	19.7
7 20	19 40.23	− 4 46.0	1.876	2.865	5.8	19.6
7 30	19 32.49	− 5 13.9	1.880	2.852	7.2	19.7
8 9	19 25.75	− 5 52.5	1.908	2.839	9.9	19.8
8 19	19 20.69	− 6 38.1	1.960	2.826	12.8	20.0

284106 2005 SZ_{81} 7 16.3 273°.14 0°.9/15.9 18

6 10	20 7.49	−22 34.3	2.208	3.057	12.3	21.3
6 20	20 2.98	−22 56.1	2.123	3.050	9.4	21.1
6 30	19 56.49	−23 21.6	2.061	3.042	6.0	20.9
7 10	19 48.58	−23 47.9	2.024	3.035	2.4	20.6
7 20	19 40.00	−24 12.1	2.015	3.028	1.8	20.6
7 30	19 31.66	−24 31.5	2.034	3.021	5.5	20.8
8 9	19 24.46	−24 44.9	2.078	3.014	9.0	21.0
8 19	19 19.07	−24 51.8	2.147	3.007	12.1	21.2

136775 1996 TF_{21} 7 16.3 72°.83 1°.6/16.9 16

6 10	20 7.48	−16 7.9	2.042	2.883	13.5	20.7
6 20	20 2.90	−16 9.9	1.971	2.890	10.4	20.5
6 30	19 56.37	−16 19.6	1.921	2.897	6.9	20.3
7 10	19 48.50	−16 35.3	1.896	2.905	3.2	20.1
7 20	19 40.08	−16 55.1	1.899	2.912	2.0	20.0
7 30	19 32.02	−17 16.5	1.929	2.919	5.4	20.3
8 9	19 25.18	−17 37.6	1.985	2.927	8.9	20.5
8 19	19 20.19	−17 56.7	2.064	2.934	12.1	20.7

209844 2005 GK_{169} 7 16.3 290°.17 3°.1/17.5 18

6 10	20 7.12	−12 38.3	1.954	2.789	14.2	20.3
6 20	20 2.80	−12 28.6	1.872	2.785	11.2	20.1
6 30	19 56.42	−12 29.1	1.811	2.781	7.8	19.9
7 10	19 48.57	−12 39.2	1.775	2.777	4.4	19.7
7 20	19 40.04	−12 57.6	1.764	2.773	3.2	19.6
7 30	19 31.78	−13 22.1	1.781	2.769	6.0	19.7
8 9	19 24.71	−13 49.9	1.823	2.765	9.6	19.9
8 19	19 19.54	−14 18.7	1.888	2.761	12.9	20.1

104153 2000 EC_{69} 7 16.3 204°.61 3°.5/18.2 18

6 10	20 7.26	− 8 50.1	2.473	3.281	12.4	20.5
6 20	20 2.49	− 8 50.8	2.383	3.277	9.9	20.3
6 30	19 56.04	− 9 2.6	2.315	3.272	7.2	20.1
7 10	19 48.39	− 9 24.9	2.273	3.266	4.6	19.9
7 20	19 40.16	− 9 56.6	2.258	3.260	3.6	19.9
7 30	19 32.11	−10 35.4	2.272	3.253	5.4	20.0
8 9	19 24.98	−11 18.6	2.313	3.247	8.3	20.2
8 19	19 19.35	−12 3.4	2.378	3.239	11.0	20.3

30518 2001 LE_{16} 7 16.3 300°.00 0°.9/16.7 18

6 10	20 7.42	−16 30.0	1.491	2.352	16.6	18.5
6 20	20 3.90	−17 1.6	1.405	2.336	12.9	18.2
6 30	19 57.62	−17 46.8	1.338	2.321	8.5	17.9
7 10	19 49.20	−18 42.4	1.295	2.306	3.6	17.6
7 20	19 39.63	−19 43.6	1.276	2.291	2.0	17.5
7 30	19 30.21	−20 44.8	1.283	2.276	7.1	17.7
8 9	19 22.31	−21 40.8	1.313	2.262	12.0	18.0
8 19	19 16.96	−22 28.7	1.365	2.248	16.3	18.2

251547 2009 BA_{150} 7 16.3 354°.81 3°.5/17.6 17

6 10	20 7.02	−12 25.8	1.211	2.076	19.3	20.3
6 20	20 3.83	−12 30.4	1.143	2.074	15.2	20.0
6 30	19 57.63	−12 52.6	1.093	2.072	10.5	19.7
7 10	19 49.19	−13 31.2	1.064	2.071	5.6	19.5
7 20	19 39.68	−14 22.5	1.058	2.070	3.8	19.4
7 30	19 30.61	−15 20.7	1.076	2.070	7.9	19.6
8 9	19 23.42	−16 20.0	1.115	2.070	12.9	19.9
8 19	19 19.11	−17 15.5	1.175	2.071	17.3	20.1

190049 2004 RJ_{168} 7 16.3 341°.57 3°.0/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 2.13	−15 9.3	1.160	2.042	18.8	20.0
6 20	20 0.32	−14 55.3	1.084	2.026	14.8	19.7
6 30	19 55.52	−14 54.5	1.026	2.011	10.1	19.4
7 10	19 48.41	−15 6.6	0.988	1.997	5.2	19.1
7 20	19 40.11	−15 29.5	0.972	1.985	3.4	19.0
7 30	19 32.14	−15 59.4	0.978	1.974	8.1	19.2
8 9	19 25.98	−16 32.1	1.005	1.965	13.3	19.5
8 19	19 22.71	−17 3.7	1.051	1.958	18.0	19.7

505761 2015 BR_{141} 7 16.3 315°.21 4°.6/14.4 17

6 10	20 8.71	−27 21.1	1.319	2.198	17.2	20.7
6 20	20 5.47	−28 26.6	1.241	2.183	13.3	20.4
6 30	19 58.94	−29 37.5	1.183	2.168	9.0	20.2
7 10	19 49.80	−30 45.9	1.148	2.155	5.2	19.9
7 20	19 39.28	−31 43.3	1.136	2.141	5.6	19.9
7 30	19 29.03	−32 22.9	1.148	2.128	9.7	20.1
8 9	19 20.74	−32 42.3	1.182	2.116	14.3	20.3
8 19	19 15.59	−32 43.1	1.234	2.104	18.5	20.5

298593 2003 YA_{71} 7 16.3 251°.00 5°.4/17.5 18

6 10	20 11.06	− 9 1.6	2.105	2.915	14.2	20.3
6 20	20 5.66	− 7 58.4	2.013	2.905	11.5	20.1
6 30	19 58.21	− 7 3.5	1.943	2.895	8.7	19.9
7 10	19 49.29	− 6 18.8	1.899	2.884	6.1	19.8
7 20	19 39.66	− 5 45.7	1.881	2.873	5.4	19.7
7 30	19 30.27	− 5 24.8	1.891	2.862	7.3	19.8
8 9	19 22.01	− 5 15.1	1.927	2.851	10.2	20.0
8 19	19 15.60	− 5 14.8	1.986	2.839	13.2	20.1

485910 2012 GW_5 7 16.3 99°.15 18°.6/27.5 18

6 10	20 9.69	+16 24.1	1.137	1.880	27.4	20.8
6 20	20 5.91	+17 42.0	1.085	1.888	25.1	20.6
6 30	19 58.97	+18 17.4	1.044	1.896	22.7	20.5
7 10	19 49.72	+18 1.2	1.017	1.904	20.5	20.4
7 20	19 39.42	+16 49.4	1.005	1.912	19.0	20.3
7 30	19 29.67	+14 44.9	1.011	1.920	18.7	20.3
8 9	19 21.96	+11 59.4	1.035	1.927	19.6	20.4
8 19	19 17.29	+ 8 48.9	1.078	1.935	21.5	20.5

401267 2012 BF_{133} 7 16.3 249°.18 2°.5/17.8 18

6 10	20 5.25	−11 8.4	2.572	3.390	11.7	20.9
6 20	20 0.99	−11 25.8	2.476	3.379	9.2	20.7
6 30	19 55.10	−11 53.5	2.402	3.368	6.4	20.5
7 10	19 48.05	−12 30.3	2.355	3.356	3.6	20.3
7 20	19 40.41	−13 14.5	2.336	3.344	2.6	20.2
7 30	19 32.88	−14 3.2	2.346	3.333	4.9	20.4
8 9	19 26.20	−14 53.8	2.382	3.321	7.8	20.5
8 19	19 20.93	−15 43.5	2.444	3.308	10.6	20.7

210845 2001 QA_{192} 7 16.3 318°.90 1°.6/15.6 18

6 10	20 7.62	−23 20.3	1.833	2.692	14.0	19.9
6 20	20 3.53	−23 54.1	1.752	2.685	10.7	19.6
6 30	19 57.08	−24 32.6	1.694	2.678	6.9	19.4
7 10	19 48.92	−25 11.8	1.660	2.671	2.9	19.1
7 20	19 39.93	−25 47.5	1.652	2.664	2.5	19.1
7 30	19 31.23	−26 16.1	1.671	2.658	6.5	19.3
8 9	19 23.89	−26 35.5	1.714	2.652	10.4	19.6
8 19	19 18.73	−26 45.7	1.780	2.646	13.9	19.8

441398 2008 FX_{93} 7 16.3 209°.83 4°.1/14.0 18

6 10	20 9.25	−31 44.7	2.386	3.233	11.6	21.4
6 20	20 4.35	−32 38.4	2.310	3.231	9.0	21.3
6 30	19 57.41	−33 30.5	2.257	3.229	6.3	21.1
7 10	19 49.00	−34 16.3	2.231	3.227	4.3	21.0
7 20	19 39.91	−34 51.6	2.232	3.225	4.6	21.0
7 30	19 31.09	−35 13.7	2.260	3.223	6.9	21.1
8 9	19 23.45	−35 22.1	2.314	3.220	9.6	21.3
8 19	19 17.71	−35 17.9	2.391	3.218	12.1	21.5

179568 2002 EZ_{83} 7 16.3 51°.92 1°.2/15.8 18

6 10	20 8.89	−23 34.2	1.939	2.793	13.6	19.8
6 20	20 4.05	−23 51.2	1.882	2.811	10.3	19.7
6 30	19 57.12	−24 10.7	1.848	2.830	6.5	19.5
7 10	19 48.83	−24 29.5	1.839	2.850	2.7	19.3
7 20	19 40.06	−24 44.6	1.856	2.869	2.1	19.3
7 30	19 31.82	−24 54.0	1.901	2.889	5.7	19.6
8 9	19 25.00	−24 56.9	1.972	2.909	9.3	19.8
8 19	19 20.23	−24 53.7	2.065	2.929	12.3	20.0

516069 2015 TE_{232} 7 16.3 323°.52 3°.8/18.9 18

6 10	20 3.14	− 6 13.3	2.582	3.386	12.0	20.3
6 20	19 59.34	− 6 33.1	2.492	3.381	9.8	20.2
6 30	19 54.02	− 7 6.1	2.425	3.376	7.2	20.0
7 10	19 47.63	− 7 51.6	2.383	3.372	4.8	19.8
7 20	19 40.73	− 8 47.9	2.368	3.367	3.8	19.8
7 30	19 33.98	− 9 52.1	2.382	3.363	5.3	19.9
8 9	19 28.04	−11 0.5	2.423	3.359	7.8	20.0
8 19	19 23.45	−12 9.7	2.489	3.355	10.4	20.2

100878 1998 HJ_{90} 7 16.3 44°.31 0°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.49	−17 22.2	1.194	2.066	19.0	20.1
6 20	20 5.56	−17 42.6	1.143	2.081	14.6	19.9
6 30	19 58.59	−18 15.1	1.111	2.096	9.4	19.7
7 10	19 49.52	−18 55.8	1.101	2.112	3.9	19.4
7 20	19 39.67	−19 39.4	1.114	2.128	2.1	19.3
7 30	19 30.58	−20 20.6	1.151	2.145	7.5	19.7
8 9	19 23.58	−20 56.0	1.210	2.163	12.4	20.0
8 19	19 19.51	−21 23.5	1.290	2.180	16.5	20.3

197 Arete 7 16.3 334°.10 3°.5/14.7 18

6 10	20 6.21	−25 26.3	1.512	2.386	15.6	12.8
6 20	20 3.07	−26 31.3	1.435	2.375	12.0	12.6
6 30	19 57.13	−27 42.5	1.378	2.363	7.9	12.3
7 10	19 49.05	−28 53.6	1.344	2.353	4.2	12.1
7 20	19 39.87	−29 57.3	1.336	2.343	4.4	12.0
7 30	19 30.94	−30 47.6	1.352	2.334	8.3	12.3
8 9	19 23.65	−31 21.6	1.391	2.326	12.6	12.5
8 19	19 18.98	−31 39.2	1.451	2.318	16.4	12.7

379179 2009 RK_{13} 7 16.3 216°.53 0°.6/16.1 18

6 10	20 11.59	−21 17.4	2.040	2.883	13.4	22.1
6 20	20 6.30	−21 39.3	1.953	2.876	10.3	21.9
6 30	19 58.76	−22 6.3	1.888	2.868	6.6	21.7
7 10	19 49.58	−22 35.2	1.849	2.860	2.6	21.4
7 20	19 39.59	−23 2.7	1.837	2.851	1.8	21.3
7 30	19 29.85	−23 25.7	1.854	2.841	5.8	21.6
8 9	19 21.37	−23 42.6	1.896	2.831	9.7	21.8
8 19	19 14.94	−23 52.9	1.962	2.821	13.1	22.0

480420 2015 KX_{111} 7 16.3 57°.94 4°.2/18.4 17

6 10	20 6.94	− 8 39.3	1.756	2.585	15.8	20.6
6 20	20 2.73	− 8 42.8	1.692	2.598	12.6	20.5
6 30	19 56.39	− 9 1.6	1.649	2.612	9.0	20.3
7 10	19 48.59	− 9 35.0	1.629	2.625	5.6	20.1
7 20	19 40.22	−10 20.4	1.635	2.639	4.3	20.1
7 30	19 32.26	−11 14.1	1.667	2.653	6.6	20.2
8 9	19 25.66	−12 11.6	1.724	2.667	9.9	20.5
8 19	19 21.09	−13 8.7	1.804	2.681	13.2	20.7

346652 2008 XA_{55} 7 16.3 290°.28 0°.5/16.4 18

6 10	20 10.84	−20 47.1	1.773	2.625	14.7	20.5
6 20	20 6.12	−20 31.7	1.677	2.604	11.4	20.2
6 30	19 58.86	−20 19.8	1.602	2.583	7.5	19.9
7 10	19 49.69	−20 9.5	1.551	2.562	3.1	19.6
7 20	19 39.53	−19 59.1	1.527	2.542	1.8	19.5
7 30	19 29.57	−19 47.2	1.530	2.521	6.4	19.7
8 9	19 21.00	−19 33.3	1.557	2.500	10.8	19.9
8 19	19 14.74	−19 17.5	1.607	2.479	14.8	20.1

1608 Muñoz 7 16.3 344°.02 4°.3/15.3 18

6 10	20 6.84	−27 48.8	0.989	1.888	19.9	15.1
6 20	20 4.70	−28 15.7	0.925	1.877	15.5	14.7
6 30	19 58.71	−28 44.0	0.877	1.867	10.3	14.4
7 10	19 49.80	−29 6.4	0.849	1.859	5.4	14.1
7 20	19 39.47	−29 16.0	0.842	1.852	5.2	14.1
7 30	19 29.78	−29 8.5	0.856	1.846	10.2	14.3
8 9	19 22.62	−28 44.2	0.889	1.842	15.5	14.6
8 19	19 19.16	−28 6.7	0.940	1.840	20.3	14.9

358458 2007 EF_{157} 7 16.3 209°.20 4°.1/18.6 18

6 10	20 5.05	− 6 56.2	2.499	3.303	12.4	21.1
6 20	20 0.80	− 6 51.6	2.413	3.301	10.0	21.0
6 30	19 54.97	− 6 58.7	2.349	3.299	7.4	20.8
7 10	19 48.02	− 7 17.5	2.310	3.297	5.1	20.6
7 20	19 40.56	− 7 47.1	2.298	3.294	4.1	20.6
7 30	19 33.29	− 8 25.4	2.313	3.292	5.6	20.7
8 9	19 26.90	− 9 9.6	2.356	3.289	8.2	20.8
8 19	19 21.94	− 9 56.8	2.423	3.286	10.8	21.0

404662 2014 HQ_{123} 7 16.3 288°.54 3°.5/14.1 17

6 10	20 12.96	−16 22.9	1.109	1.980	20.3	20.2
6 20	20 9.36	−19 14.1	1.034	1.974	15.6	19.9
6 30	20 1.94	−22 38.0	0.980	1.968	10.0	19.6
7 10	19 51.24	−26 20.8	0.951	1.962	4.5	19.2
7 20	19 38.50	−30 1.6	0.948	1.956	5.4	19.3
7 30	19 25.67	−33 19.2	0.971	1.950	11.2	19.6
8 9	19 14.91	−35 59.9	1.018	1.945	16.8	19.9
8 19	19 7.88	−38 0.7	1.084	1.939	21.5	20.2

431146 2006 QW_{108} 7 16.3 279°.33 2°.2/17.0 18

6 10	20 10.40	−15 35.6	1.594	2.443	16.2	21.9
6 20	20 6.12	−15 31.5	1.495	2.419	12.8	21.6
6 30	19 59.08	−15 37.7	1.417	2.395	8.7	21.3
7 10	19 49.86	−15 53.1	1.362	2.370	4.2	21.0
7 20	19 39.40	−16 15.4	1.333	2.345	2.7	20.9
7 30	19 29.00	−16 41.7	1.329	2.320	7.1	21.1
8 9	19 19.99	−17 8.8	1.349	2.295	11.9	21.3
8 19	19 13.45	−17 34.5	1.391	2.269	16.3	21.5

66119 1998 SE_{72} 7 16.3 346°.00 3°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 4.46	−11 51.1	2.027	2.862	13.8	18.9
6 20	20 0.74	−11 47.6	1.945	2.858	10.9	18.7
6 30	19 55.11	−11 54.8	1.885	2.854	7.6	18.5
7 10	19 48.12	−12 12.4	1.849	2.850	4.4	18.3
7 20	19 40.50	−12 38.6	1.839	2.847	3.2	18.2
7 30	19 33.13	−13 11.1	1.856	2.844	5.8	18.4
8 9	19 26.86	−13 46.9	1.898	2.842	9.2	18.6
8 19	19 22.35	−14 23.3	1.964	2.840	12.3	18.8

505742 2015 BW_{58} 7 16.3 61°.18 1°.9/15.8 17

6 10	20 12.73	−25 6.7	1.499	2.363	16.3	21.2
6 20	20 7.66	−25 18.3	1.438	2.372	12.4	21.0
6 30	19 59.78	−25 31.7	1.398	2.382	8.0	20.8
7 10	19 49.98	−25 42.5	1.381	2.392	3.5	20.5
7 20	19 39.46	−25 47.1	1.389	2.401	2.8	20.5
7 30	19 29.61	−25 43.3	1.423	2.411	7.2	20.8
8 9	19 21.66	−25 31.1	1.481	2.421	11.5	21.1
8 19	19 16.43	−25 12.1	1.560	2.431	15.2	21.3

181408 2006 SK_{138} 7 16.3 310°.23 3°.3/17.5 18

6 10	20 6.67	−12 52.6	1.354	2.214	18.0	20.0
6 20	20 3.51	−12 53.5	1.270	2.198	14.3	19.7
6 30	19 57.49	−13 10.0	1.205	2.183	9.9	19.4
7 10	19 49.24	−13 41.5	1.161	2.167	5.3	19.1
7 20	19 39.79	−14 25.0	1.141	2.153	3.6	19.0
7 30	19 30.54	−15 16.3	1.145	2.138	7.7	19.2
8 9	19 22.90	−16 10.1	1.172	2.125	12.6	19.4
8 19	19 17.93	−17 1.8	1.219	2.112	17.1	19.7

68179 2001 BO_{47} 7 16.3 6°.28 2°.4/15.6 18

6 10	20 9.44	−28 2.1	2.020	2.874	13.1	18.5
6 20	20 4.60	−28 6.4	1.946	2.874	10.0	18.3
6 30	19 57.58	−28 9.3	1.894	2.875	6.6	18.1
7 10	19 49.08	−28 7.5	1.868	2.877	3.2	17.9
7 20	19 39.98	−27 58.7	1.869	2.878	3.0	17.9
7 30	19 31.33	−27 41.6	1.897	2.880	6.2	18.1
8 9	19 24.09	−27 16.7	1.950	2.883	9.6	18.3
8 19	19 18.92	−26 45.6	2.026	2.885	12.7	18.5

76920 2001 AM_{12} 7 16.3 46°.63 2°.7/17.5 18

6 10	20 8.53	−12 40.2	1.356	2.211	18.2	18.9
6 20	20 4.65	−13 1.1	1.291	2.217	14.2	18.7
6 30	19 57.99	−13 38.6	1.246	2.224	9.6	18.4
7 10	19 49.34	−14 30.2	1.223	2.230	4.9	18.2
7 20	19 39.80	−15 31.3	1.225	2.237	3.1	18.1
7 30	19 30.75	−16 36.2	1.251	2.244	7.2	18.4
8 9	19 23.46	−17 39.1	1.301	2.251	11.8	18.7
8 19	19 18.82	−18 36.0	1.371	2.259	15.9	18.9

260543 2005 EE_{165} 7 16.3 183°.78 0°.1/16.3 18

6 10	20 12.91	−19 31.9	1.810	2.655	14.8	21.1
6 20	20 7.48	−19 52.5	1.732	2.656	11.3	20.9
6 30	19 59.59	−20 20.0	1.676	2.656	7.3	20.7
7 10	19 49.93	−20 51.2	1.644	2.655	2.9	20.4
7 20	19 39.46	−21 22.5	1.640	2.654	1.7	20.3
7 30	19 29.34	−21 50.4	1.663	2.652	6.2	20.6
8 9	19 20.68	−22 12.8	1.712	2.650	10.3	20.8
8 19	19 14.32	−22 29.1	1.783	2.647	13.9	21.1

382597 2002 EL_{57} 7 16.3 176°.26 4°.8/14.7 18

6 10	20 16.20	−34 9.9	2.065	2.906	13.3	21.3
6 20	20 9.85	−34 38.2	1.992	2.908	10.5	21.1
6 30	20 1.02	−35 1.3	1.941	2.909	7.5	20.9
7 10	19 50.45	−35 14.0	1.916	2.910	5.1	20.8
7 20	19 39.19	−35 12.4	1.918	2.911	5.2	20.8
7 30	19 28.45	−34 55.0	1.947	2.911	7.7	20.9
8 9	19 19.35	−34 23.2	2.001	2.910	10.7	21.1
8 19	19 12.66	−33 40.3	2.078	2.910	13.5	21.3

122765 2000 SE_{71} 7 16.3 257°.69 1°.6/15.7 18

6 10	20 10.09	−23 15.9	1.799	2.655	14.4	19.8
6 20	20 5.48	−23 48.0	1.717	2.648	11.0	19.6
6 30	19 58.40	−24 24.9	1.657	2.641	7.1	19.3
7 10	19 49.49	−25 2.4	1.622	2.633	3.0	19.1
7 20	19 39.70	−25 36.2	1.613	2.626	2.5	19.0
7 30	19 30.20	−26 2.6	1.631	2.618	6.6	19.3
8 9	19 22.12	−26 19.8	1.674	2.610	10.7	19.5
8 19	19 16.34	−26 27.8	1.739	2.602	14.3	19.7

191677 2004 RH_{47} 7 16.3 308°.15 1°.0/16.7 16

6 10	20 7.92	−17 48.0	1.571	2.430	15.9	21.0
6 20	20 4.09	−17 54.7	1.487	2.418	12.4	20.7
6 30	19 57.64	−18 10.4	1.423	2.406	8.1	20.4
7 10	19 49.24	−18 33.1	1.383	2.394	3.5	20.1
7 20	19 39.84	−18 59.5	1.368	2.382	2.0	20.0
7 30	19 30.70	−19 26.4	1.378	2.371	6.7	20.3
8 9	19 23.07	−19 50.7	1.412	2.360	11.3	20.5
8 19	19 17.85	−20 10.8	1.468	2.349	15.4	20.7

131655 2001 XT_{112} 7 16.3 246°.72 3°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.28	−13 20.9	1.568	2.411	16.7	20.9
6 20	20 6.67	−13 17.1	1.480	2.399	13.2	20.6
6 30	19 59.34	−13 25.9	1.413	2.386	9.1	20.4
7 10	19 49.93	−13 46.4	1.368	2.373	4.9	20.1
7 20	19 39.43	−14 16.3	1.349	2.360	3.3	19.9
7 30	19 29.14	−14 52.3	1.356	2.346	7.2	20.1
8 9	19 20.34	−15 30.7	1.387	2.332	11.7	20.4
8 19	19 14.02	−16 8.3	1.440	2.317	15.9	20.6

395760 2012 VY_{36} 7 16.3 306°.50 14°.8/ 5.6 15

6 10	20 14.55	−38 12.5	1.041	1.924	20.4	19.9
6 20	20 12.27	−42 14.2	0.983	1.911	17.3	19.7
6 30	20 4.97	−46 20.6	0.945	1.899	15.2	19.5
7 10	19 52.88	−50 6.7	0.930	1.886	15.0	19.5
7 20	19 37.43	−53 8.1	0.937	1.874	17.0	19.5
7 30	19 21.53	−55 9.6	0.963	1.863	20.2	19.7
8 9	19 8.63	−56 11.2	1.006	1.852	23.6	19.9
8 19	19 1.27	−56 22.9	1.061	1.841	26.6	20.1

98644 2000 WA_{126} 7 16.3 72°.01 2°.7/15.7 18

6 10	20 15.37	−27 1.2	1.361	2.227	17.5	19.0
6 20	20 9.95	−27 12.0	1.302	2.237	13.4	18.8
6 30	20 1.38	−27 22.5	1.263	2.247	8.7	18.6
7 10	19 50.65	−27 27.8	1.248	2.257	4.1	18.3
7 20	19 39.14	−27 23.6	1.256	2.267	3.6	18.3
7 30	19 28.45	−27 8.2	1.290	2.277	8.0	18.6
8 9	19 19.96	−26 42.9	1.348	2.288	12.4	18.9
8 19	19 14.51	−26 10.3	1.426	2.298	16.3	19.2

74212 1998 RS_{66} 7 16.3 297°.68 0°.6/16.5 18

6 10	20 8.50	−19 15.1	1.809	2.661	14.4	19.3
6 20	20 4.18	−19 17.0	1.724	2.651	11.2	19.1
6 30	19 57.52	−19 25.1	1.660	2.641	7.3	18.8
7 10	19 49.15	−19 37.4	1.620	2.631	3.0	18.6
7 20	19 39.95	−19 51.2	1.606	2.621	1.7	18.4
7 30	19 31.03	−20 4.2	1.620	2.611	6.1	18.7
8 9	19 23.45	−20 14.6	1.658	2.602	10.2	18.9
8 19	19 18.02	−20 21.5	1.718	2.592	13.9	19.1

370049 2000 SP_{231} 7 16.3 165°.04 10°.5/10.3 17

6 10	20 32.21	−57 58.4	2.768	3.512	12.7	21.2
6 20	20 22.73	−59 15.9	2.719	3.519	11.6	21.1
6 30	20 9.63	−60 16.5	2.690	3.526	10.8	21.1
7 10	19 53.93	−60 52.8	2.684	3.532	10.5	21.0
7 20	19 37.22	−60 59.8	2.702	3.536	10.8	21.1
7 30	19 21.40	−60 36.8	2.742	3.541	11.5	21.1
8 9	19 8.14	−59 47.3	2.803	3.544	12.6	21.2
8 19	18 58.42	−58 37.5	2.883	3.546	13.7	21.3

177183 2003 ST_{263} 7 16.3 254°.79 6°.9/13.5 18

6 10	20 16.95	−35 33.9	1.710	2.560	15.2	20.8
6 20	20 11.45	−36 39.5	1.624	2.543	12.3	20.6
6 30	20 2.68	−37 41.7	1.560	2.525	9.2	20.4
7 10	19 51.35	−38 32.1	1.519	2.506	7.1	20.2
7 20	19 38.65	−39 3.0	1.504	2.487	7.6	20.2
7 30	19 26.20	−39 9.9	1.514	2.468	10.3	20.3
8 9	19 15.62	−38 53.3	1.547	2.448	13.7	20.5
8 19	19 8.08	−38 17.2	1.601	2.427	17.0	20.7

263092 2007 TB_{69} 7 16.3 241°.85 10°.9/16.8 18

6 10	20 18.01	− 6 15.2	1.216	2.044	21.4	19.8
6 20	20 12.37	− 4 1.3	1.139	2.036	18.1	19.6
6 30	20 3.29	− 1 57.9	1.082	2.028	14.5	19.3
7 10	19 51.58	− 0 13.0	1.045	2.019	11.6	19.1
7 20	19 38.54	+ 1 5.9	1.031	2.009	11.1	19.1
7 30	19 25.87	+ 1 54.4	1.041	1.999	13.3	19.2
8 9	19 15.23	+ 2 13.1	1.071	1.989	17.0	19.3
8 19	19 7.81	+ 2 6.9	1.120	1.978	20.7	19.6

426389 2013 PK_{24} 7 16.3 200°.68 0°.1/16.4 17

6 10	20 11.78	−20 8.2	1.666	2.519	15.5	22.1
6 20	20 6.81	−20 17.0	1.589	2.517	11.9	21.8
6 30	19 59.26	−20 32.0	1.534	2.516	7.7	21.6
7 10	19 49.85	−20 50.4	1.503	2.514	3.1	21.3
7 20	19 39.59	−21 8.8	1.498	2.512	1.8	21.2
7 30	19 29.74	−21 24.3	1.519	2.510	6.5	21.5
8 9	19 21.46	−21 35.3	1.566	2.508	10.8	21.8
8 19	19 15.60	−21 41.2	1.634	2.505	14.6	22.0

405212 2003 QC_{10} 7 16.3 142°.59 3°.6/15.4 18

6 10	20 48.95	−25 38.3	1.412	2.217	20.2	21.5
6 20	20 35.69	−26 51.3	1.350	2.251	15.5	21.3
6 30	20 18.03	−28 6.0	1.311	2.281	10.2	21.0
7 10	19 57.24	−29 10.1	1.301	2.306	4.9	20.8
7 20	19 35.41	−29 53.4	1.322	2.328	4.6	20.8
7 30	19 15.00	−30 11.7	1.374	2.346	9.4	21.2
8 9	18 58.04	−30 8.2	1.454	2.360	14.1	21.5
8 19	18 45.57	−29 49.9	1.558	2.370	18.1	21.8

171268 2006 DD_{185} 7 16.3 327°.05 2°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.91	−25 40.7	1.137	2.022	18.9	19.9
6 20	20 6.66	−25 51.2	1.064	2.010	14.6	19.6
6 30	19 59.82	−26 4.1	1.009	1.998	9.6	19.3
7 10	19 50.25	−26 14.2	0.976	1.987	4.3	18.9
7 20	19 39.33	−26 16.2	0.964	1.977	3.6	18.8
7 30	19 28.92	−26 6.9	0.975	1.967	9.0	19.1
8 9	19 20.76	−25 46.2	1.007	1.958	14.4	19.4
8 19	19 16.02	−25 16.4	1.058	1.951	19.1	19.6

324221 2006 BM_{56} 7 16.3 218°.10 5°.3/13.4 18

6 10	20 13.20	−40 23.0	3.020	3.841	10.1	22.2
6 20	20 7.08	−41 0.1	2.938	3.832	8.2	22.0
6 30	19 59.05	−41 30.6	2.879	3.823	6.5	21.9
7 10	19 49.68	−41 50.1	2.846	3.814	5.4	21.8
7 20	19 39.73	−41 55.7	2.841	3.804	5.6	21.8
7 30	19 30.07	−41 46.0	2.864	3.794	7.1	21.9
8 9	19 21.55	−41 21.7	2.912	3.784	9.0	22.0
8 19	19 14.81	−40 45.0	2.984	3.773	10.8	22.1

360060 2013 AA_{97} 7 16.3 72°.17 0°.6/16.1 17

6 10	20 9.56	−22 54.0	2.105	2.953	12.9	21.1
6 20	20 4.48	−22 58.1	2.039	2.965	9.8	20.9
6 30	19 57.41	−23 4.5	1.995	2.976	6.2	20.8
7 10	19 49.02	−23 10.7	1.977	2.988	2.5	20.5
7 20	19 40.14	−23 14.6	1.986	3.000	1.7	20.5
7 30	19 31.71	−23 14.7	2.023	3.012	5.4	20.8
8 9	19 24.59	−23 10.2	2.086	3.024	8.8	21.0
8 19	19 19.38	−23 1.6	2.173	3.035	11.8	21.2

6842 Krosigk 7 16.3 284°.29 6°.1/18.3 18

6 10	20 8.09	− 6 58.9	1.829	2.647	15.7	18.1
6 20	20 3.75	− 6 12.4	1.742	2.637	12.9	17.9
6 30	19 57.20	− 5 38.7	1.676	2.627	9.8	17.7
7 10	19 49.04	− 5 19.8	1.633	2.617	7.1	17.5
7 20	19 40.08	− 5 16.4	1.615	2.607	6.2	17.4
7 30	19 31.35	− 5 27.6	1.622	2.597	8.0	17.5
8 9	19 23.84	− 5 51.0	1.655	2.587	11.1	17.6
8 19	19 18.33	− 6 23.0	1.709	2.577	14.2	17.8

74768 1999 RJ_{222} 7 16.3 341°.77 4°.0/15.1 18

6 10	19 59.77	−25 54.0	0.909	1.821	20.0	18.3
6 20	19 59.54	−26 30.9	0.840	1.800	15.5	17.9
6 30	19 55.61	−27 13.8	0.787	1.781	10.3	17.6
7 10	19 48.71	−27 55.9	0.753	1.764	5.2	17.2
7 20	19 40.22	−28 29.0	0.738	1.749	5.1	17.2
7 30	19 32.13	−28 46.2	0.743	1.736	10.5	17.4
8 9	19 26.44	−28 45.1	0.765	1.726	16.2	17.7
8 19	19 24.46	−28 26.9	0.804	1.718	21.3	17.9

115103 2003 SK_{25} 7 16.3 213°.18 11°.5/23.9 18

6 10	20 7.26	+17 38.2	2.638	3.282	15.3	20.6
6 20	20 2.53	+18 30.0	2.551	3.274	14.2	20.5
6 30	19 56.14	+19 0.2	2.481	3.266	13.0	20.4
7 10	19 48.56	+19 5.4	2.430	3.257	12.1	20.3
7 20	19 40.38	+18 43.5	2.400	3.248	11.5	20.3
7 30	19 32.32	+17 54.5	2.392	3.238	11.6	20.3
8 9	19 25.13	+16 41.6	2.407	3.228	12.3	20.3
8 19	19 19.39	+15 9.6	2.443	3.217	13.4	20.4

65218 2002 EJ_{20} 7 16.3 158°.95 2°.2/17.2 18

6 10	20 12.20	−14 28.0	1.687	2.526	15.9	19.8
6 20	20 6.99	−14 37.2	1.614	2.531	12.4	19.6
6 30	19 59.31	−14 57.6	1.561	2.536	8.3	19.4
7 10	19 49.87	−15 27.3	1.533	2.540	4.1	19.1
7 20	19 39.63	−16 3.2	1.532	2.544	2.5	19.0
7 30	19 29.81	−16 41.6	1.557	2.547	6.4	19.3
8 9	19 21.50	−17 19.3	1.607	2.550	10.6	19.5
8 19	19 15.52	−17 53.7	1.680	2.552	14.3	19.8

504685 2009 FL_{40} 7 16.3 221°.35 7°.0/12.9 18

6 10	20 15.28	−41 1.0	2.327	3.155	12.4	21.0
6 20	20 9.30	−41 57.7	2.251	3.149	10.2	20.8
6 30	20 0.79	−42 46.5	2.198	3.142	8.2	20.7
7 10	19 50.45	−43 21.3	2.170	3.135	7.0	20.6
7 20	19 39.29	−43 37.4	2.169	3.128	7.4	20.6
7 30	19 28.51	−43 32.5	2.193	3.120	9.1	20.7
8 9	19 19.27	−43 7.8	2.242	3.112	11.3	20.8
8 19	19 12.40	−42 26.9	2.312	3.104	13.5	21.0

93891 2000 WB_{137} 7 16.3 276°.55 8°.2/19.5 18

6 10	20 7.01	− 0 55.7	1.830	2.625	16.6	19.2
6 20	20 2.93	− 0 10.0	1.744	2.615	14.1	19.0
6 30	19 56.69	+ 0 18.1	1.677	2.605	11.4	18.8
7 10	19 48.85	+ 0 25.6	1.632	2.595	9.1	18.6
7 20	19 40.20	+ 0 11.4	1.611	2.584	8.2	18.6
7 30	19 31.73	− 0 23.5	1.615	2.574	9.3	18.6
8 9	19 24.44	− 1 15.1	1.642	2.564	11.8	18.7
8 19	19 19.11	− 2 18.3	1.691	2.554	14.7	18.9

19701 Aomori 7 16.3 266.°75 9.°6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.16	+ 0 26.2	1.892	2.672	16.6	18.5
6 20	20 5.19	+ 2 0.2	1.812	2.667	14.4	18.3
6 30	19 58.06	+ 3 19.0	1.752	2.663	12.0	18.2
7 10	19 49.36	+ 4 18.1	1.715	2.658	10.2	18.1
7 20	19 39.92	+ 4 54.3	1.702	2.654	9.7	18.0
7 30	19 30.73	+ 5 6.6	1.714	2.649	10.6	18.1
8 9	19 22.76	+ 4 57.1	1.749	2.644	12.7	18.2
8 19	19 16.77	+ 4 30.0	1.805	2.640	15.1	18.3

193652 2001 DX_{41} 7 16.3 191.°61 0.°9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.60	−22 46.5	2.023	2.871	13.3	20.4
6 20	20 5.52	−23 4.0	1.944	2.870	10.2	20.2
6 30	19 58.24	−23 25.0	1.888	2.869	6.5	20.0
7 10	19 49.42	−23 46.3	1.857	2.868	2.6	19.7
7 20	19 39.91	−24 4.7	1.853	2.867	1.9	19.7
7 30	19 30.73	−24 17.9	1.877	2.865	5.8	19.9
8 9	19 22.86	−24 24.8	1.927	2.863	9.5	20.1
8 19	19 17.04	−24 25.3	2.001	2.861	12.8	20.3

216272 2006 WY_{110} 7 16.3 277.°24 3.°6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.63	−28 22.8	2.142	2.995	12.5	20.2
6 20	20 4.17	−29 24.0	2.059	2.986	9.6	20.0
6 30	19 57.50	−30 27.0	1.999	2.977	6.5	19.8
7 10	19 49.18	−31 26.6	1.966	2.969	3.9	19.6
7 20	19 40.03	−32 17.8	1.959	2.960	4.2	19.6
7 30	19 31.07	−32 56.6	1.980	2.951	7.0	19.8
8 9	19 23.32	−33 21.5	2.026	2.942	10.2	19.9
8 19	19 17.58	−33 32.9	2.094	2.933	13.1	20.1

437950 2002 RA_{266} 7 16.3 303.°33 1.°3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.02	−18 4.1	1.759	2.611	14.8	21.3
6 20	20 4.01	−17 57.1	1.662	2.589	11.5	21.1
6 30	19 57.57	−17 56.9	1.586	2.567	7.7	20.8
7 10	19 49.26	−18 2.0	1.535	2.545	3.4	20.5
7 20	19 39.96	−18 10.5	1.509	2.523	2.0	20.3
7 30	19 30.81	−18 20.2	1.510	2.502	6.4	20.6
8 9	19 22.95	−18 29.3	1.535	2.480	10.7	20.8
8 19	19 17.29	−18 36.5	1.582	2.459	14.7	21.0

146959 2002 FA_{40} 7 16.3 46.°96 2.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.01	−16 51.3	1.943	2.783	14.1	18.9
6 20	20 4.81	−16 14.4	1.880	2.799	10.9	18.7
6 30	19 57.61	−15 43.2	1.840	2.815	7.3	18.5
7 10	19 49.12	−15 17.3	1.825	2.832	3.6	18.3
7 20	19 40.18	−14 56.5	1.837	2.848	2.5	18.3
7 30	19 31.77	−14 40.0	1.877	2.865	5.7	18.5
8 9	19 24.74	−14 27.3	1.942	2.883	9.2	18.8
8 19	19 19.68	−14 17.3	2.031	2.900	12.2	19.0

371870 2008 CP_{24} 7 16.3 161.°49 1.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.77	−15 52.0	1.690	2.535	15.6	21.7
6 20	20 5.97	−16 18.2	1.616	2.538	12.1	21.5
6 30	19 58.72	−16 55.6	1.563	2.541	8.0	21.3
7 10	19 49.68	−17 41.2	1.534	2.543	3.5	21.0
7 20	19 39.82	−18 30.9	1.531	2.545	1.9	20.9
7 30	19 30.31	−19 20.5	1.556	2.547	6.3	21.2
8 9	19 22.29	−20 6.1	1.605	2.549	10.5	21.4
8 19	19 16.57	−20 45.6	1.678	2.550	14.3	21.7

427444 2001 QD_{87} 7 16.3 316.°97 3.°0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 14.04	−29 23.4	1.358	2.228	17.3	20.2
6 20	20 9.46	−29 6.1	1.272	2.208	13.5	19.9
6 30	20 1.47	−28 43.6	1.205	2.189	9.1	19.6
7 10	19 50.91	−28 11.3	1.161	2.170	4.5	19.3
7 20	19 39.08	−27 26.1	1.141	2.151	3.8	19.2
7 30	19 27.72	−26 27.7	1.145	2.134	8.4	19.4
8 9	19 18.47	−25 19.2	1.173	2.117	13.4	19.7
8 19	19 12.43	−24 5.5	1.220	2.101	17.9	19.9

149168 2002 GR_{109} 7 16.3 10.°95 5.°1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 4.06	− 4 6.6	2.094	2.899	14.4	19.5
6 20	20 0.37	− 4 16.4	2.015	2.901	11.8	19.4
6 30	19 54.88	− 4 43.0	1.956	2.902	9.0	19.2
7 10	19 48.11	− 5 26.4	1.921	2.904	6.3	19.0
7 20	19 40.76	− 6 24.6	1.912	2.906	5.1	19.0
7 30	19 33.64	− 7 34.4	1.930	2.909	6.5	19.0
8 9	19 27.56	− 8 50.8	1.974	2.912	9.2	19.2
8 19	19 23.13	−10 9.2	2.042	2.915	12.1	19.4

333594 2007 EW_{17} 7 16.3 332.°84 2.°7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.06	−25 46.7	1.328	2.207	17.1	19.9
6 20	20 4.81	−26 8.7	1.252	2.194	13.2	19.7
6 30	19 58.44	−26 33.6	1.195	2.182	8.7	19.4
7 10	19 49.71	−26 56.4	1.160	2.170	4.0	19.1
7 20	19 39.81	−27 11.8	1.149	2.160	3.6	19.0
7 30	19 30.32	−27 16.1	1.161	2.150	8.3	19.3
8 9	19 22.74	−27 8.5	1.195	2.141	13.1	19.5
8 19	19 18.12	−26 50.4	1.250	2.133	17.4	19.7

488576 2002 CF_{214} 7 16.4 186.°11 1.°4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.31	−24 10.4	2.338	3.176	12.1	22.6
6 20	20 6.57	−24 33.3	2.255	3.176	9.2	22.4
6 30	19 58.83	−24 58.4	2.196	3.176	5.9	22.2
7 10	19 49.67	−25 22.3	2.164	3.174	2.5	22.0
7 20	19 39.88	−25 42.1	2.160	3.172	2.1	21.9
7 30	19 30.38	−25 55.6	2.185	3.169	5.4	22.1
8 9	19 22.05	−26 1.9	2.238	3.166	8.8	22.3
8 19	19 15.58	−26 1.2	2.314	3.162	11.7	22.5

181510 2006 UA_{63} 7 16.4 31.°10 5.°6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 16.66	−13 8.0	1.701	2.528	16.3	18.2
6 20	20 9.95	−11 13.1	1.640	2.544	13.0	18.1
6 30	20 0.93	− 9 24.2	1.601	2.562	9.4	17.9
7 10	19 50.44	− 7 45.1	1.589	2.580	6.4	17.8
7 20	19 39.52	− 6 19.6	1.604	2.598	5.8	17.8
7 30	19 29.32	− 5 10.3	1.646	2.618	8.1	17.9
8 9	19 20.83	− 4 17.6	1.714	2.638	11.3	18.2
8 19	19 14.70	− 3 40.1	1.805	2.658	14.3	18.4

272735 2005 YS_{96} 7 16.4 106.°68 0.°8/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.24	−21 24.6	1.933	2.778	13.9	21.2
6 20	20 6.68	−21 57.7	1.872	2.796	10.6	21.1
6 30	19 58.93	−22 35.6	1.834	2.815	6.7	20.9
7 10	19 49.70	−23 14.5	1.822	2.833	2.7	20.6
7 20	19 39.91	−23 50.5	1.837	2.850	1.9	20.6
7 30	19 30.61	−24 20.4	1.880	2.867	5.8	20.9
8 9	19 22.77	−24 42.8	1.949	2.884	9.5	21.2
8 19	19 17.05	−24 57.5	2.041	2.900	12.6	21.4

90791 1994 PG_{32} 7 16.4 11.°70 2.°5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 57.63	−28 52.0	0.579	1.518	23.9	17.3
6 20	19 58.54	−28 1.5	0.549	1.523	18.3	17.1
6 30	19 54.92	−27 4.0	0.533	1.532	11.9	16.8
7 10	19 48.31	−25 58.1	0.532	1.545	5.2	16.5
7 20	19 40.81	−24 44.9	0.548	1.562	3.7	16.5
7 30	19 34.71	−23 28.0	0.580	1.582	9.9	17.0
8 9	19 31.66	−22 12.2	0.629	1.605	15.8	17.4
8 19	19 32.34	−21 1.0	0.694	1.631	20.7	17.8

250055 2002 CH_{303} 7 16.4 171.°51 4.°6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 5.83	− 5 21.5	2.623	3.416	12.2	21.2
6 20	20 1.33	− 5 6.3	2.539	3.418	9.9	21.0
6 30	19 55.33	− 5 2.6	2.478	3.420	7.6	20.9
7 10	19 48.28	− 5 10.9	2.442	3.421	5.4	20.8
7 20	19 40.76	− 5 30.6	2.433	3.422	4.6	20.7
7 30	19 33.45	− 6 0.1	2.451	3.423	5.8	20.8
8 9	19 27.00	− 6 37.0	2.497	3.424	8.1	20.9
8 19	19 21.92	− 7 18.5	2.567	3.424	10.4	21.1

343813 2011 HM_{7} 7 16.4 4.°33 6.°8/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 3.91	−27 42.5	1.154	2.048	18.0	18.7
6 20	20 2.12	−29 55.6	1.098	2.047	13.9	18.5
6 30	19 56.97	−32 16.1	1.062	2.047	9.8	18.2
7 10	19 49.22	−34 31.5	1.048	2.049	6.9	18.1
7 20	19 40.17	−36 28.3	1.058	2.053	8.0	18.1
7 30	19 31.56	−37 56.7	1.090	2.058	11.7	18.4
8 9	19 25.10	−38 53.4	1.142	2.065	15.7	18.6
8 19	19 21.93	−39 20.6	1.213	2.073	19.3	18.9

282576 2005 AP_{55} 7 16.4 126.°49 0.°9/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.13	−21 57.9	1.708	2.556	15.4	21.5
6 20	20 9.19	−22 21.6	1.645	2.571	11.7	21.3
6 30	20 0.70	−22 50.1	1.604	2.585	7.5	21.1
7 10	19 50.46	−23 19.1	1.587	2.599	3.0	20.9
7 20	19 39.54	−23 44.8	1.598	2.611	2.1	20.8
7 30	19 29.20	−24 4.0	1.636	2.624	6.4	21.2
8 9	19 20.56	−24 15.6	1.699	2.635	10.5	21.4
8 19	19 14.39	−24 19.8	1.785	2.646	14.0	21.7

205071 1999 RX_{105} 7 16.4 300.°55 1.°9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 14.09	−27 10.7	1.668	2.525	15.3	19.8
6 20	20 8.90	−26 53.8	1.574	2.504	11.9	19.5
6 30	20 0.85	−26 34.2	1.501	2.483	7.8	19.2
7 10	19 50.64	−26 8.7	1.452	2.463	3.5	18.9
7 20	19 39.38	−25 34.8	1.430	2.442	2.7	18.8
7 30	19 28.45	−24 51.9	1.433	2.422	7.1	19.0
8 9	19 19.19	−24 1.7	1.462	2.402	11.7	19.2
8 19	19 12.58	−23 7.0	1.513	2.382	15.7	19.4

509778 2008 UG_{145} 7 16.4 265.°97 3.°1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.67	−12 33.9	1.949	2.781	14.4	22.4
6 20	20 4.21	−12 23.7	1.854	2.765	11.4	22.2
6 30	19 57.56	−12 23.6	1.781	2.750	8.0	21.9
7 10	19 49.29	−12 33.5	1.732	2.734	4.5	21.7
7 20	19 40.16	−12 52.0	1.709	2.717	3.3	21.6
7 30	19 31.18	−13 16.9	1.713	2.701	6.2	21.7
8 9	19 23.35	−13 45.7	1.743	2.684	10.0	21.9
8 19	19 17.47	−14 15.8	1.796	2.667	13.5	22.1

499695 2010 XN_{53} 7 16.4 250°.56 4°.9/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.66	−10 19.9	1.761	2.586	15.9	22.1
6 20	20 6.70	− 9 43.0	1.667	2.571	12.9	21.8
6 30	19 59.29	− 9 17.0	1.594	2.555	9.4	21.6
7 10	19 50.00	− 9 3.1	1.544	2.539	6.1	21.3
7 20	19 39.74	− 9 1.3	1.521	2.523	5.0	21.2
7 30	19 29.64	− 9 10.7	1.523	2.505	7.6	21.4
8 9	19 20.84	− 9 28.9	1.551	2.488	11.3	21.5
8 19	19 14.25	− 9 53.2	1.601	2.470	15.0	21.7

114962 2003 QM_{61} 7 16.4 235°.11 5°.2/13.9 18

6 10	20 14.07	−34 50.7	2.222	3.063	12.5	19.7
6 20	20 8.38	−35 36.8	2.137	3.052	10.0	19.5
6 30	20 0.26	−36 19.0	2.075	3.040	7.3	19.3
7 10	19 50.35	−36 51.7	2.039	3.028	5.4	19.2
7 20	19 39.58	−37 10.3	2.029	3.016	5.7	19.2
7 30	19 29.09	−37 12.2	2.047	3.003	7.9	19.3
8 9	19 20.01	−36 57.7	2.089	2.989	10.7	19.5
8 19	19 13.15	−36 29.3	2.155	2.976	13.4	19.6

181249 Tkachenko 7 16.4 311°.25 5°.2/18.9 18

6 10	20 4.97	− 5 58.4	2.089	2.901	14.2	20.2
6 20	20 1.15	− 5 41.8	2.002	2.893	11.7	20.0
6 30	19 55.45	− 5 39.3	1.935	2.885	8.8	19.8
7 10	19 48.41	− 5 51.5	1.893	2.877	6.3	19.7
7 20	19 40.70	− 6 17.8	1.875	2.869	5.3	19.6
7 30	19 33.18	− 6 56.3	1.885	2.862	6.8	19.7
8 9	19 26.69	− 7 43.5	1.919	2.854	9.6	19.8
8 19	19 21.89	− 8 35.7	1.977	2.847	12.5	20.0

48955 1998 QE_{23} 7 16.4 210°.88 1°.5/15.7 18

6 10	20 12.89	−23 28.4	1.940	2.786	13.8	18.7
6 20	20 7.51	−24 0.6	1.855	2.780	10.6	18.4
6 30	19 59.72	−24 36.9	1.793	2.774	6.9	18.2
7 10	19 50.14	−25 13.3	1.757	2.767	2.9	17.9
7 20	19 39.70	−25 45.5	1.748	2.760	2.4	17.9
7 30	19 29.53	−26 10.2	1.766	2.752	6.4	18.1
8 9	19 20.73	−26 25.7	1.811	2.743	10.3	18.3
8 19	19 14.14	−26 32.4	1.878	2.734	13.7	18.5

231222 2005 WR_{157} 7 16.4 129°.69 1°.7/16.9 18

6 10	20 12.76	−17 30.9	1.944	2.781	14.2	20.2
6 20	20 7.04	−17 8.6	1.872	2.790	11.0	20.0
6 30	19 59.17	−16 51.8	1.823	2.798	7.3	19.8
7 10	19 49.83	−16 39.6	1.798	2.806	3.4	19.5
7 20	19 39.93	−16 30.7	1.802	2.814	2.2	19.5
7 30	19 30.49	−16 24.1	1.832	2.822	5.7	19.7
8 9	19 22.45	−16 18.8	1.890	2.829	9.5	20.0
8 19	19 16.49	−16 14.3	1.970	2.836	12.7	20.2

235268 2003 TK_{12} 7 16.4 332°.50 6°.6/19.3 18

6 10	20 6.56	− 3 50.0	1.830	2.638	16.1	20.4
6 20	20 2.56	− 3 24.4	1.751	2.637	13.3	20.2
6 30	19 56.45	− 3 15.9	1.692	2.635	10.3	20.0
7 10	19 48.83	− 3 25.8	1.656	2.633	7.7	19.8
7 20	19 40.51	− 3 54.0	1.644	2.632	6.6	19.8
7 30	19 32.45	− 4 38.1	1.658	2.631	8.0	19.9
8 9	19 25.60	− 5 33.7	1.696	2.630	10.8	20.0
8 19	19 20.69	− 6 36.0	1.757	2.628	13.8	20.2

257499 1995 WX_{22} 7 16.4 188°.79 0°.9/16.0 17

6 10	20 13.12	−22 18.1	1.866	2.713	14.3	21.9
6 20	20 7.68	−22 40.6	1.787	2.713	10.9	21.7
6 30	19 59.80	−23 7.6	1.730	2.712	7.1	21.5
7 10	19 50.18	−23 35.4	1.699	2.710	2.8	21.2
7 20	19 39.74	−24 0.2	1.695	2.708	2.0	21.1
7 30	19 29.66	−24 19.2	1.718	2.705	6.2	21.4
8 9	19 21.04	−24 30.8	1.767	2.702	10.2	21.7
8 19	19 14.68	−24 35.2	1.838	2.699	13.7	21.9

247435 2002 DP_{15} 7 16.4 235°.03 5°.1/18.9 18

6 10	20 7.57	− 5 58.6	1.887	2.700	15.5	20.9
6 20	20 3.34	− 6 2.1	1.802	2.695	12.6	20.7
6 30	19 56.98	− 6 22.5	1.737	2.690	9.4	20.5
7 10	19 49.06	− 7 0.0	1.696	2.685	6.4	20.3
7 20	19 40.37	− 7 52.7	1.681	2.680	5.1	20.2
7 30	19 31.89	− 8 57.1	1.692	2.674	7.0	20.3
8 9	19 24.58	−10 8.4	1.729	2.669	10.2	20.5
8 19	19 19.19	−11 21.5	1.790	2.663	13.5	20.7

161192 2002 TN_{196} 7 16.4 207°.47 0°.8/16.0 17 R

6 10	20 12.84	−22 9.6	1.965	2.809	13.8	21.6
6 20	20 7.40	−22 30.4	1.880	2.804	10.6	21.4
6 30	19 59.61	−22 55.6	1.818	2.798	6.8	21.1
7 10	19 50.10	−23 21.8	1.781	2.792	2.7	20.9
7 20	19 39.78	−23 45.4	1.772	2.786	1.9	20.8
7 30	19 29.74	−24 3.7	1.791	2.778	6.0	21.1
8 9	19 21.06	−24 15.2	1.835	2.770	10.0	21.3
8 19	19 14.53	−24 19.8	1.903	2.762	13.4	21.5

453204 2008 GV_{76} 7 16.4 25°.19 14°.9/27.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 3.69	+19 1.3	1.903	2.576	19.8	20.6
6 20	20 0.30	+20 25.7	1.850	2.587	18.4	20.5
6 30	19 54.93	+21 20.8	1.811	2.599	17.0	20.5
7 10	19 48.20	+21 41.8	1.788	2.612	15.8	20.4
7 20	19 40.90	+21 26.3	1.783	2.625	15.1	20.4
7 30	19 33.95	+20 35.1	1.797	2.639	14.9	20.4
8 9	19 28.21	+19 13.0	1.830	2.654	15.4	20.5
8 19	19 24.33	+17 27.4	1.881	2.669	16.3	20.6

143596 2003 FN_{62} 7 16.4 74°.38 0°.3/16.5 18

6 10	20 7.53	−18 55.8	2.132	2.977	12.8	20.0
6 20	20 3.02	−19 13.6	2.060	2.983	9.8	19.8
6 30	19 56.60	−19 37.6	2.010	2.989	6.3	19.6
7 10	19 48.85	−20 5.2	1.985	2.996	2.6	19.3
7 20	19 40.54	−20 33.6	1.988	3.002	1.4	19.3
7 30	19 32.56	−21 0.3	2.019	3.009	5.2	19.5
8 9	19 25.74	−21 23.3	2.075	3.016	8.7	19.8
8 19	19 20.73	−21 41.7	2.156	3.022	11.8	20.0

160692 2000 HD_{17} 7 16.4 9°.63 1°.7/15.8 17

6 10	20 4.71	−21 55.7	0.908	1.811	20.9	19.1
6 20	20 2.99	−22 29.4	0.856	1.812	16.0	18.8
6 30	19 57.58	−23 13.2	0.822	1.814	10.3	18.5
7 10	19 49.47	−24 0.7	0.806	1.819	4.2	18.2
7 20	19 40.18	−24 44.3	0.811	1.825	3.2	18.2
7 30	19 31.67	−25 17.6	0.836	1.832	9.2	18.5
8 9	19 25.65	−25 37.4	0.882	1.841	14.8	18.9
8 19	19 23.15	−25 44.0	0.944	1.851	19.5	19.2

263740 2008 JW_{14} 7 16.4 3°.65 4°.0/18.6 18

6 10	20 4.91	− 8 0.7	2.115	2.934	13.8	20.4
6 20	20 1.04	− 8 4.0	2.035	2.934	11.1	20.2
6 30	19 55.35	− 8 20.9	1.976	2.934	8.1	20.0
7 10	19 48.37	− 8 51.0	1.942	2.935	5.2	19.8
7 20	19 40.80	− 9 32.6	1.933	2.935	4.1	19.7
7 30	19 33.47	−10 22.7	1.952	2.936	6.0	19.9
8 9	19 27.17	−11 17.7	1.996	2.937	9.0	20.0
8 19	19 22.56	−12 13.9	2.065	2.938	11.9	20.2

161951 2007 GX_{47} 7 16.4 69°.70 5°.3/18.6 18

6 10	20 9.48	− 7 54.8	1.639	2.466	16.9	19.3
6 20	20 4.79	− 7 32.3	1.581	2.483	13.6	19.2
6 30	19 57.83	− 7 25.4	1.542	2.500	9.9	19.0
7 10	19 49.35	− 7 34.5	1.526	2.518	6.6	18.8
7 20	19 40.30	− 7 58.2	1.535	2.535	5.3	18.8
7 30	19 31.76	− 8 33.5	1.570	2.552	7.4	18.9
8 9	19 24.74	− 9 16.2	1.630	2.569	10.7	19.2
8 19	19 19.90	−10 2.2	1.711	2.587	13.9	19.4

136155 2003 TQ_{24} 7 16.4 46°.23 0°.9/16.6 17

6 10	20 11.96	−19 24.6	1.243	2.113	18.6	20.3
6 20	20 7.49	−19 14.2	1.187	2.123	14.3	20.0
6 30	19 59.94	−19 11.5	1.149	2.133	9.3	19.8
7 10	19 50.27	−19 14.0	1.133	2.144	3.9	19.5
7 20	19 39.79	−19 18.7	1.141	2.155	2.1	19.4
7 30	19 30.07	−19 23.1	1.173	2.167	7.4	19.8
8 9	19 22.44	−19 25.5	1.228	2.179	12.3	20.1
8 19	19 17.76	−19 25.3	1.303	2.191	16.5	20.4

471316 2011 JQ_{20} 7 16.4 75°.88 2°.9/17.4 17

6 10	20 9.42	−13 44.1	1.728	2.569	15.5	21.2
6 20	20 4.81	−13 32.4	1.658	2.575	12.2	21.0
6 30	19 57.91	−13 31.1	1.608	2.581	8.3	20.8
7 10	19 49.42	−13 39.4	1.582	2.587	4.5	20.6
7 20	19 40.26	−13 55.4	1.582	2.593	3.1	20.5
7 30	19 31.51	−14 16.8	1.609	2.599	6.3	20.7
8 9	19 24.19	−14 40.8	1.661	2.605	10.2	20.9
8 19	19 19.04	−15 5.1	1.735	2.611	13.7	21.2

97215 1999 XS_{45} 7 16.4 274°.61 2°.1/15.5 18

6 10	20 10.14	−24 56.5	1.877	2.732	13.9	19.9
6 20	20 5.58	−25 27.1	1.790	2.719	10.7	19.7
6 30	19 58.58	−26 1.0	1.725	2.707	7.0	19.5
7 10	19 49.76	−26 34.0	1.685	2.694	3.2	19.2
7 20	19 40.03	−27 1.8	1.671	2.682	2.9	19.2
7 30	19 30.53	−27 21.1	1.684	2.669	6.7	19.4
8 9	19 22.40	−27 30.4	1.722	2.656	10.6	19.6
8 19	19 16.50	−27 30.2	1.783	2.643	14.1	19.8

302779 2002 WP_{22} 7 16.4 181°.07 0°.1/16.3 18

6 10	20 8.27	−19 55.2	2.051	2.898	13.2	21.2
6 20	20 3.75	−20 18.0	1.972	2.898	10.1	21.0
6 30	19 57.17	−20 46.9	1.917	2.898	6.5	20.8
7 10	19 49.13	−21 18.9	1.886	2.898	2.6	20.6
7 20	19 40.42	−21 50.9	1.883	2.898	1.5	20.5
7 30	19 32.00	−22 19.9	1.908	2.898	5.5	20.8
8 9	19 24.80	−22 43.9	1.958	2.897	9.2	21.0
8 19	19 19.50	−23 2.0	2.032	2.897	12.4	21.2

102897 1999 XA_{11} 7 16.4 25°.49 9°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.25	−42 21.3	1.715	2.560	15.5	18.4
6 20	20 10.20	−43 47.3	1.658	2.562	12.9	18.2
6 30	20 1.86	−45 3.0	1.621	2.564	10.7	18.1
7 10	19 51.11	−45 59.1	1.608	2.567	9.5	18.0
7 20	19 39.29	−46 28.8	1.618	2.570	10.0	18.0
7 30	19 28.10	−46 29.1	1.651	2.573	11.9	18.2
8 9	19 19.07	−46 2.4	1.706	2.576	14.3	18.3
8 19	19 13.18	−45 14.3	1.781	2.579	16.7	18.5

242888 2006 JD_{41} 7 16.4 37°.99 2°.1/17.2 17

6 10	20 8.16	−15 0.4	1.764	2.610	15.1	20.9
6 20	20 3.86	−14 59.6	1.692	2.613	11.7	20.6
6 30	19 57.32	−15 8.5	1.641	2.617	7.9	20.4
7 10	19 49.21	−15 25.8	1.613	2.620	3.9	20.2
7 20	19 40.40	−15 49.2	1.612	2.624	2.5	20.1
7 30	19 31.98	−16 15.8	1.637	2.628	6.0	20.3
8 9	19 24.93	−16 42.9	1.687	2.633	10.0	20.6
8 19	19 19.99	−17 8.3	1.760	2.637	13.5	20.8

206025 2002 PS_{182} 7 16.4 287°.32 0°.6/16.6 18

6 10	20 7.77	−17 54.8	1.879	2.728	14.1	20.7
6 20	20 3.68	−18 16.3	1.789	2.715	10.9	20.4
6 30	19 57.32	−18 46.4	1.722	2.702	7.2	20.2
7 10	19 49.26	−19 22.6	1.679	2.689	3.0	19.9
7 20	19 40.34	−20 1.7	1.662	2.676	1.6	19.7
7 30	19 31.59	−20 39.9	1.672	2.664	5.9	20.0
8 9	19 24.08	−21 14.3	1.708	2.651	10.0	20.2
8 19	19 18.61	−21 43.2	1.766	2.638	13.7	20.4

208634 2002 EF_{91} 7 16.4 42°.43 0°.6/16.6 17

6 10	20 9.65	−17 36.3	1.133	2.010	19.6	19.4
6 20	20 5.93	−18 2.0	1.084	2.024	15.0	19.1
6 30	19 59.03	−18 40.5	1.053	2.039	9.7	18.9
7 10	19 49.94	−19 27.0	1.044	2.055	4.0	18.6
7 20	19 40.03	−20 15.8	1.057	2.072	2.1	18.5
7 30	19 30.90	−21 1.1	1.094	2.089	7.7	18.9
8 9	19 23.94	−21 39.0	1.153	2.107	12.7	19.3
8 19	19 20.01	−22 7.9	1.232	2.125	16.9	19.6

113427 2002 SU_{37} 7 16.4 298°.68 5°.3/18.4 18

6 10	20 6.47	− 7 42.9	1.865	2.688	15.3	19.8
6 20	20 2.62	− 7 15.6	1.772	2.671	12.5	19.6
6 30	19 56.61	− 7 1.7	1.699	2.655	9.4	19.4
7 10	19 48.98	− 7 2.4	1.649	2.638	6.5	19.2
7 20	19 40.51	− 7 17.5	1.624	2.622	5.4	19.1
7 30	19 32.17	− 7 45.5	1.626	2.606	7.4	19.2
8 9	19 24.97	− 8 23.2	1.651	2.590	10.6	19.3
8 19	19 19.70	− 9 7.0	1.700	2.574	14.0	19.5

471527 2012 HS_{4} 7 16.4 57°.41 4°.2/18.3 17

6 10	20 9.20	− 9 24.3	1.360	2.206	18.7	21.2
6 20	20 5.03	− 9 36.5	1.306	2.223	14.8	21.0
6 30	19 58.21	−10 7.6	1.271	2.240	10.4	20.8
7 10	19 49.57	−10 55.9	1.257	2.258	6.1	20.6
7 20	19 40.23	−11 57.2	1.268	2.276	4.3	20.6
7 30	19 31.50	−13 5.8	1.304	2.295	7.3	20.8
8 9	19 24.54	−14 15.5	1.363	2.313	11.5	21.1
8 19	19 20.12	−15 21.4	1.444	2.332	15.2	21.4

259840 2004 CY_{43} 7 16.4 125°.24 1°.0/15.9 17

6 10	20 13.21	−22 14.1	1.720	2.572	15.1	21.7
6 20	20 7.81	−22 39.9	1.654	2.582	11.5	21.5
6 30	19 59.90	−23 10.6	1.609	2.591	7.4	21.2
7 10	19 50.24	−23 42.0	1.590	2.601	3.0	21.0
7 20	19 39.86	−24 9.9	1.597	2.610	2.1	20.9
7 30	19 29.98	−24 31.3	1.630	2.619	6.4	21.2
8 9	19 21.73	−24 44.7	1.689	2.627	10.5	21.5
8 19	19 15.88	−24 50.4	1.771	2.635	14.0	21.7

251366 2007 TR_{451} 7 16.4 20°.60 3°.7/15.5 17

6 10	20 12.23	−27 45.3	1.153	2.036	18.9	19.9
6 20	20 8.23	−28 6.2	1.096	2.039	14.5	19.7
6 30	20 0.70	−28 27.3	1.057	2.044	9.6	19.4
7 10	19 50.67	−28 42.0	1.040	2.049	4.9	19.2
7 20	19 39.63	−28 44.9	1.045	2.054	4.5	19.2
7 30	19 29.42	−28 33.5	1.073	2.061	9.0	19.4
8 9	19 21.61	−28 8.7	1.123	2.068	13.8	19.7
8 19	19 17.16	−27 34.0	1.192	2.076	18.0	20.0

501216 2013 UW 7 16.4 195°.33 10°.2/ 9.4 18

6 10	20 29.57	−56 34.7	2.818	3.570	12.4	23.1
6 20	20 20.86	−57 57.4	2.757	3.566	11.3	23.0
6 30	20 8.66	−59 5.2	2.718	3.562	10.4	22.9
7 10	19 53.84	−59 50.3	2.701	3.557	10.2	22.9
7 20	19 37.79	−60 7.6	2.708	3.551	10.5	22.9
7 30	19 22.30	−59 55.4	2.739	3.544	11.4	22.9
8 9	19 9.04	−59 16.5	2.790	3.536	12.5	23.0
8 19	18 59.10	−58 16.4	2.860	3.528	13.8	23.1

396048 2013 CD_{39} 7 16.4 70°.80 0°.1/16.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.55	−20 34.2	2.087	2.933	13.0	22.0
6 20	20 3.80	−20 48.3	2.021	2.945	9.9	21.8
6 30	19 57.10	−21 7.0	1.977	2.958	6.3	21.6
7 10	19 49.08	−21 27.8	1.959	2.970	2.5	21.4
7 20	19 40.54	−21 47.9	1.968	2.983	1.4	21.3
7 30	19 32.41	−22 5.1	2.005	2.995	5.3	21.6
8 9	19 25.53	−22 18.0	2.068	3.008	8.8	21.9
8 19	19 20.52	−22 26.2	2.155	3.020	11.8	22.1

436940 2012 TU_{131} 7 16.4 351°.27 6°.1/18.0 18

6 10	20 7.21	− 9 11.6	1.532	2.372	17.2	19.8
6 20	20 3.45	− 8 16.2	1.457	2.367	14.0	19.6
6 30	19 57.22	− 7 33.7	1.402	2.364	10.4	19.4
7 10	19 49.23	− 7 6.2	1.370	2.361	7.2	19.2
7 20	19 40.43	− 6 54.7	1.361	2.358	6.2	19.1
7 30	19 31.99	− 6 58.4	1.376	2.357	8.4	19.2
8 9	19 25.03	− 7 14.5	1.415	2.356	11.9	19.4
8 19	19 20.37	− 7 39.4	1.474	2.356	15.4	19.6

147413 2003 FK_{89} 7 16.4 87°.38 4°.3/18.4 17

6 10	20 6.90	− 8 24.0	2.216	3.030	13.5	20.2
6 20	20 2.39	− 8 4.3	2.143	3.038	10.8	20.0
6 30	19 56.14	− 7 56.1	2.091	3.046	7.9	19.9
7 10	19 48.71	− 7 59.4	2.065	3.055	5.3	19.7
7 20	19 40.77	− 8 13.6	2.065	3.063	4.3	19.7
7 30	19 33.14	− 8 36.9	2.092	3.071	6.0	19.8
8 9	19 26.58	− 9 6.6	2.145	3.079	8.8	20.0
8 19	19 21.65	− 9 40.1	2.222	3.088	11.5	20.2

379158 2009 QO_{12} 7 16.4 293°.70 0°.4/16.3 17

6 10	20 10.98	−21 43.6	1.525	2.387	16.2	21.4
6 20	20 6.83	−21 46.5	1.431	2.364	12.6	21.1
6 30	19 59.75	−21 54.5	1.357	2.341	8.2	20.8
7 10	19 50.38	−22 4.7	1.306	2.318	3.3	20.4
7 20	19 39.74	−22 13.6	1.280	2.294	2.0	20.3
7 30	19 29.25	−22 18.2	1.279	2.271	7.3	20.5
8 9	19 20.33	−22 17.2	1.303	2.248	12.2	20.8
8 19	19 14.08	−22 10.5	1.347	2.226	16.7	21.0

474609 2004 SY_{43} 7 16.4 339°.33 3°.2/15.7 16

6 10	20 0.28	−26 49.8	0.989	1.896	19.2	20.2
6 20	19 59.87	−26 56.4	0.908	1.866	15.0	19.9
6 30	19 55.89	−27 3.8	0.844	1.837	10.0	19.5
7 10	19 49.01	−27 6.9	0.799	1.811	4.8	19.1
7 20	19 40.49	−27 0.3	0.774	1.787	4.3	19.0
7 30	19 32.24	−26 40.0	0.769	1.765	9.8	19.2
8 9	19 26.18	−26 6.0	0.783	1.746	15.6	19.4
8 19	19 23.69	−25 20.5	0.813	1.729	20.8	19.7

110496 2001 TL_{64} 7 16.4 187°.42 3°.0/17.8 18

6 10	20 10.07	−11 14.9	2.219	3.036	13.3	20.3
6 20	20 4.93	−11 19.0	2.133	3.035	10.6	20.1
6 30	19 57.86	−11 33.9	2.070	3.034	7.4	19.9
7 10	19 49.43	−11 58.6	2.033	3.033	4.2	19.7
7 20	19 40.36	−12 31.2	2.023	3.031	3.1	19.6
7 30	19 31.51	−13 9.2	2.041	3.028	5.6	19.8
8 9	19 23.74	−13 49.7	2.087	3.024	8.8	20.0
8 19	19 17.70	−14 30.1	2.157	3.020	11.9	20.2

213889 2003 SW_{300} 7 16.4 8°.66 5°.6/17.9 18

6 10	20 8.28	−11 25.3	1.181	2.043	19.9	19.4
6 20	20 4.86	−10 39.7	1.117	2.043	15.9	19.2
6 30	19 58.41	−10 9.1	1.072	2.045	11.4	18.9
7 10	19 49.77	− 9 55.2	1.047	2.047	7.2	18.7
7 20	19 40.17	− 9 57.6	1.044	2.049	5.7	18.6
7 30	19 31.12	−10 14.2	1.063	2.053	8.8	18.8
8 9	19 24.00	−10 40.9	1.105	2.057	13.3	19.1
8 19	19 19.77	−11 13.2	1.166	2.062	17.4	19.3

76955 2001 BK_{31} 7 16.4 96°.58 0°.9/16.1 18

6 10	20 15.23	−22 56.7	1.542	2.397	16.4	19.5
6 20	20 9.49	−23 3.6	1.483	2.412	12.5	19.3
6 30	20 1.01	−23 13.9	1.445	2.427	8.0	19.1
7 10	19 50.69	−23 23.9	1.430	2.442	3.2	18.8
7 20	19 39.71	−23 30.1	1.442	2.456	2.1	18.8
7 30	19 29.44	−23 30.6	1.481	2.470	6.8	19.1
8 9	19 21.05	−23 24.7	1.543	2.484	11.1	19.4
8 19	19 15.33	−23 13.5	1.628	2.498	14.8	19.7

313298 2002 CD_{201} 7 16.4 13°.25 2°.5/17.8 18

6 10	20 5.52	−11 50.2	2.084	2.916	13.6	20.5
6 20	20 1.58	−12 9.3	2.005	2.917	10.7	20.3
6 30	19 55.77	−12 40.4	1.948	2.918	7.3	20.1
7 10	19 48.61	−13 21.8	1.916	2.919	4.0	19.9
7 20	19 40.84	−14 10.8	1.911	2.921	2.7	19.8
7 30	19 33.32	−15 4.1	1.933	2.923	5.4	20.0
8 9	19 26.87	−15 58.0	1.981	2.925	8.8	20.2
8 19	19 22.16	−16 49.5	2.053	2.927	12.0	20.4

497280 2005 QZ_{125} 7 16.4 339°.42 5°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 4.74	− 8 19.3	1.308	2.160	18.9	21.0
6 20	20 2.06	− 8 16.9	1.233	2.152	15.3	20.8
6 30	19 56.63	− 8 35.1	1.175	2.143	11.2	20.5
7 10	19 49.11	− 9 14.5	1.138	2.136	7.1	20.3
7 20	19 40.53	−10 12.6	1.124	2.130	5.4	20.1
7 30	19 32.23	−11 24.3	1.133	2.124	8.2	20.3
8 9	19 25.54	−12 42.5	1.165	2.119	12.5	20.5
8 19	19 21.44	−14 0.7	1.217	2.115	16.7	20.7

57899 2002 CU_{237} 7 16.4 25°.32 3°.9/18.5 18

6 10	20 5.80	− 8 33.7	1.495	2.337	17.5	17.9
6 20	20 2.41	− 9 5.3	1.429	2.344	13.9	17.7
6 30	19 56.59	− 9 57.0	1.382	2.350	9.8	17.5
7 10	19 49.01	−11 6.7	1.357	2.358	5.7	17.3
7 20	19 40.64	−12 29.8	1.358	2.366	3.9	17.2
7 30	19 32.66	−13 59.8	1.383	2.375	6.9	17.4
8 9	19 26.18	−15 29.8	1.434	2.384	10.9	17.7
8 19	19 22.00	−16 54.1	1.506	2.394	14.7	17.9

355058 2006 SJ_{156} 7 16.4 298°.27 0°.9/16.8 18

6 10	20 7.36	−17 41.9	1.916	2.764	13.9	21.4
6 20	20 3.32	−17 52.1	1.826	2.751	10.8	21.2
6 30	19 57.08	−18 10.2	1.757	2.737	7.1	20.9
7 10	19 49.21	−18 34.1	1.713	2.723	3.1	20.7
7 20	19 40.51	−19 1.1	1.696	2.710	1.7	20.5
7 30	19 31.99	−19 28.5	1.705	2.697	5.8	20.8
8 9	19 24.68	−19 53.6	1.739	2.683	9.8	21.0
8 19	19 19.35	−20 15.0	1.797	2.671	13.4	21.2

251374 2007 VC_{15} 7 16.4 271°.74 2°.8/17.4 17

6 10	20 10.01	−13 43.9	1.487	2.336	17.2	21.2
6 20	20 5.96	−13 47.2	1.400	2.323	13.6	20.9
6 30	19 59.12	−14 4.1	1.333	2.309	9.3	20.7
7 10	19 50.13	−14 33.4	1.288	2.294	4.8	20.4
7 20	19 39.97	−15 12.3	1.268	2.280	3.1	20.2
7 30	19 29.99	−15 56.8	1.273	2.266	7.2	20.4
8 9	19 21.53	−16 42.4	1.303	2.251	12.0	20.7
8 19	19 15.64	−17 25.8	1.353	2.236	16.3	20.9

214579 2006 QB_{48} 7 16.4 358°.94 7°.8/20.3 17

6 10	20 1.13	− 3 15.2	1.049	1.906	22.2	19.6
6 20	19 59.73	− 3 18.5	0.985	1.902	18.4	19.3
6 30	19 55.31	− 3 53.6	0.937	1.899	14.1	19.1
7 10	19 48.63	− 5 2.1	0.907	1.898	9.9	18.8
7 20	19 40.83	− 6 40.7	0.897	1.898	7.8	18.7
7 30	19 33.43	− 8 40.9	0.909	1.900	9.7	18.8
8 9	19 27.90	−10 50.5	0.942	1.903	13.9	19.1
8 19	19 25.27	−12 57.8	0.994	1.907	18.2	19.3

48505 1993 FM_{10} 7 16.4 34°.73 1°.4/15.9 18

6 10	20 9.73	−22 3.7	1.259	2.135	18.0	18.7
6 20	20 5.91	−22 35.0	1.203	2.144	13.7	18.4
6 30	19 59.03	−23 13.5	1.167	2.154	8.8	18.2
7 10	19 50.00	−23 53.7	1.153	2.165	3.6	17.9
7 20	19 40.12	−24 30.0	1.163	2.177	2.6	17.9
7 30	19 30.91	−24 57.9	1.197	2.189	7.7	18.2
8 9	19 23.75	−25 15.4	1.253	2.201	12.4	18.5
8 19	19 19.50	−25 22.7	1.330	2.214	16.5	18.8

59665 1999 JF_{97} 7 16.4 304°.90 1°.5/17.2 18

6 10	20 6.70	−13 12.6	1.567	2.417	16.4	18.3
6 20	20 3.42	−14 3.7	1.472	2.397	12.9	18.0
6 30	19 57.51	−15 13.4	1.398	2.377	8.7	17.7
7 10	19 49.51	−16 38.9	1.348	2.357	4.0	17.4
7 20	19 40.30	−18 14.8	1.323	2.338	2.1	17.2
7 30	19 31.09	−19 53.6	1.325	2.318	6.8	17.4
8 9	19 23.21	−21 28.2	1.351	2.299	11.7	17.7
8 19	19 17.69	−22 53.1	1.399	2.281	16.0	17.9

166483 2002 PC_{138} 7 16.4 294°.35 1°.1/16.0 18

6 10	20 10.40	−23 44.3	1.873	2.727	14.0	20.1
6 20	20 5.66	−23 51.9	1.792	2.721	10.7	19.9
6 30	19 58.57	−24 2.0	1.734	2.716	6.9	19.7
7 10	19 49.80	−24 11.5	1.700	2.711	2.9	19.4
7 20	19 40.26	−24 17.6	1.692	2.705	2.1	19.3
7 30	19 31.07	−24 18.0	1.711	2.700	6.1	19.6
8 9	19 23.29	−24 12.2	1.756	2.695	10.1	19.8
8 19	19 17.69	−24 0.7	1.823	2.690	13.6	20.0

241199 2007 TN_{11} 7 16.4 307°.41 2°.9/15.2 18

6 10	20 9.64	−26 48.3	1.805	2.664	14.2	20.4
6 20	20 5.31	−27 26.1	1.725	2.656	10.9	20.2
6 30	19 58.47	−28 6.0	1.667	2.649	7.2	20.0
7 10	19 49.80	−28 43.1	1.634	2.642	3.7	19.7
7 20	19 40.24	−29 12.6	1.627	2.635	3.6	19.7
7 30	19 31.00	−29 31.2	1.646	2.628	7.1	19.9
8 9	19 23.22	−29 37.6	1.690	2.621	10.9	20.1
8 19	19 17.75	−29 32.9	1.755	2.615	14.3	20.3

355628 2008 DO_{85} 7 16.4 150°.62 1°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.33	−25 52.3	2.633	3.473	10.8	22.5
6 20	20 4.15	−26 23.2	2.558	3.480	8.2	22.3
6 30	19 57.26	−26 55.2	2.508	3.486	5.3	22.1
7 10	19 49.19	−27 25.1	2.484	3.492	2.6	22.0
7 20	19 40.62	−27 50.0	2.489	3.498	2.4	22.0
7 30	19 32.33	−28 7.9	2.523	3.504	5.1	22.2
8 9	19 25.07	−28 18.0	2.584	3.509	7.9	22.3
8 19	19 19.41	−28 20.5	2.669	3.513	10.5	22.5

154343 2002 WT_{9} 7 16.4 303°.04 1°.2/16.1 17

6 10	20 11.22	−22 30.8	1.173	2.052	18.9	19.9
6 20	20 7.68	−22 43.4	1.097	2.039	14.6	19.6
6 30	20 0.63	−23 2.7	1.039	2.026	9.6	19.2
7 10	19 50.84	−23 24.3	1.001	2.013	3.9	18.9
7 20	19 39.63	−23 42.9	0.987	2.001	2.7	18.8
7 30	19 28.78	−23 54.2	0.996	1.989	8.5	19.1
8 9	19 20.05	−23 56.3	1.026	1.977	14.1	19.3
8 19	19 14.65	−23 49.9	1.075	1.966	19.0	19.6

278487 2007 VX_{65} 7 16.4 56°.37 5°.9/14.2 17

6 10	20 13.20	−34 18.7	1.721	2.577	14.9	20.5
6 20	20 8.08	−35 12.7	1.666	2.590	11.7	20.3
6 30	20 0.20	−36 1.6	1.632	2.602	8.5	20.1
7 10	19 50.44	−36 38.6	1.623	2.615	6.2	20.0
7 20	19 39.95	−36 58.6	1.638	2.628	6.4	20.1
7 30	19 30.12	−36 59.3	1.679	2.641	8.9	20.2
8 9	19 22.15	−36 42.0	1.744	2.654	11.9	20.4
8 19	19 16.83	−36 10.2	1.830	2.667	14.8	20.7

443405 2014 HA_{45} 7 16.4 6°.63 1°.2/16.9 18

6 10	20 6.68	−16 53.6	1.865	2.714	14.2	21.0
6 20	20 2.71	−17 1.8	1.789	2.714	11.0	20.8
6 30	19 56.61	−17 18.2	1.736	2.715	7.2	20.6
7 10	19 49.01	−17 41.1	1.707	2.716	3.2	20.4
7 20	19 40.73	−18 7.6	1.703	2.717	1.8	20.3
7 30	19 32.78	−18 35.0	1.727	2.719	5.7	20.5
8 9	19 26.10	−19 0.8	1.776	2.721	9.5	20.7
8 19	19 21.41	−19 23.3	1.848	2.724	13.0	21.0

295696 2008 TW_{167} 7 16.4 212°.77 7°.4/12.5 18

6 10	20 15.14	−38 59.1	2.018	2.858	13.6	21.0
6 20	20 9.66	−40 17.9	1.947	2.854	11.1	20.8
6 30	20 1.38	−41 30.6	1.899	2.851	8.8	20.7
7 10	19 50.99	−42 29.4	1.876	2.847	7.5	20.6
7 20	19 39.59	−43 8.1	1.878	2.842	8.0	20.6
7 30	19 28.55	−43 23.3	1.906	2.838	9.9	20.7
8 9	19 19.18	−43 15.8	1.957	2.833	12.4	20.9
8 19	19 12.43	−42 49.2	2.029	2.828	14.9	21.0

99548 2002 EV_{107} 7 16.4 56°.51 3°.5/15.1 18

6 10	20 11.53	−27 50.2	1.682	2.543	15.0	19.5
6 20	20 6.80	−28 31.8	1.616	2.548	11.5	19.3
6 30	19 59.42	−29 14.2	1.571	2.552	7.6	19.1
7 10	19 50.17	−29 51.9	1.551	2.557	4.2	18.9
7 20	19 40.11	−30 19.7	1.556	2.562	4.1	18.9
7 30	19 30.54	−30 34.5	1.587	2.567	7.6	19.1
8 9	19 22.65	−30 35.8	1.643	2.572	11.3	19.3
8 19	19 17.27	−30 25.2	1.719	2.577	14.7	19.6

20544 Kimhansell 7 16.4 196°.26 1°.9/17.3 18

6 10	20 10.78	−13 47.8	1.664	2.505	16.0	19.2
6 20	20 6.16	−14 16.0	1.585	2.503	12.5	18.9
6 30	19 59.04	−14 57.9	1.527	2.502	8.4	18.7
7 10	19 50.05	−15 50.9	1.492	2.500	4.0	18.4
7 20	19 40.15	−16 51.0	1.484	2.498	2.3	18.3
7 30	19 30.53	−17 53.0	1.503	2.495	6.4	18.6
8 9	19 22.35	−18 52.3	1.547	2.492	10.8	18.8
8 19	19 16.48	−19 45.8	1.614	2.489	14.6	19.0

355710 2008 FA_{108} 7 16.4 110°.69 5°.9/13.2 18

6 10	20 12.25	−37 55.7	2.369	3.206	12.0	20.5
6 20	20 6.85	−38 55.6	2.306	3.214	9.6	20.4
6 30	19 59.22	−39 49.4	2.266	3.221	7.4	20.3
7 10	19 50.04	−40 31.7	2.252	3.228	6.0	20.2
7 20	19 40.19	−40 58.2	2.265	3.236	6.4	20.2
7 30	19 30.75	−41 6.8	2.304	3.243	8.1	20.3
8 9	19 22.71	−40 58.1	2.367	3.249	10.3	20.5
8 19	19 16.76	−40 34.9	2.453	3.256	12.5	20.7

306642 2000 SP_{42} 7 16.4 251°.52 3°.8/14.2 18

6 10	20 14.98	−31 7.2	2.594	3.426	11.2	21.6
6 20	20 8.94	−31 59.5	2.485	3.399	8.8	21.4
6 30	20 0.69	−32 51.7	2.401	3.371	6.2	21.2
7 10	19 50.71	−33 38.9	2.345	3.341	4.1	21.0
7 20	19 39.75	−34 16.6	2.317	3.311	4.3	21.0
7 30	19 28.78	−34 41.3	2.318	3.280	6.7	21.1
8 9	19 18.80	−34 52.1	2.346	3.248	9.6	21.2
8 19	19 10.66	−34 49.8	2.399	3.215	12.4	21.4

380232 2001 SM_{163} 7 16.4 292.°56 6.°0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.98	− 7 25.9	1.628	2.456	16.9	21.2
6 20	20 4.26	− 6 56.7	1.528	2.431	13.9	20.9
6 30	19 58.00	− 6 42.7	1.448	2.405	10.5	20.7
7 10	19 49.73	− 6 45.8	1.389	2.379	7.3	20.4
7 20	19 40.29	− 7 6.4	1.355	2.354	6.1	20.3
7 30	19 30.86	− 7 42.7	1.346	2.328	8.4	20.4
8 9	19 22.66	− 8 30.9	1.360	2.302	12.2	20.5
8 19	19 16.70	− 9 26.3	1.396	2.276	16.1	20.7

442865 2013 AP_{171} 7 16.4 4.°68 6.°3/19.2 17

6 10	20 5.70	− 4 36.8	1.903	2.714	15.5	21.2
6 20	20 1.85	− 4 5.9	1.827	2.714	12.8	21.0
6 30	19 56.02	− 3 50.6	1.770	2.714	9.9	20.9
7 10	19 48.78	− 3 52.1	1.737	2.715	7.3	20.7
7 20	19 40.90	− 4 10.4	1.728	2.716	6.3	20.6
7 30	19 33.29	− 4 43.6	1.745	2.717	7.7	20.7
8 9	19 26.86	− 5 28.0	1.786	2.719	10.3	20.9
8 19	19 22.25	− 6 19.4	1.850	2.721	13.2	21.1

99679 2002 JK_{15} 7 16.4 88.°54 0.°1/16.4 18

6 10	20 11.07	−18 3.5	1.441	2.300	17.1	19.4
6 20	20 6.68	−18 46.0	1.375	2.306	13.1	19.2
6 30	19 59.48	−19 40.2	1.330	2.313	8.5	18.9
7 10	19 50.25	−20 41.2	1.308	2.319	3.4	18.6
7 20	19 40.09	−21 43.1	1.311	2.326	1.9	18.6
7 30	19 30.40	−22 40.2	1.340	2.332	7.0	18.9
8 9	19 22.47	−23 28.4	1.393	2.338	11.7	19.2
8 19	19 17.20	−24 6.2	1.467	2.344	15.6	19.4

21291 1996 VG_6 7 16.4 131.°32 3.°9/14.8 18

6 10	20 13.39	−27 7.8	1.543	2.405	16.0	19.4
6 20	20 8.52	−28 8.3	1.477	2.409	12.3	19.2
6 30	20 0.71	−29 11.6	1.432	2.413	8.2	19.0
7 10	19 50.75	−30 10.7	1.411	2.417	4.5	18.8
7 20	19 39.81	−30 58.9	1.415	2.420	4.6	18.8
7 30	19 29.35	−31 31.4	1.445	2.424	8.3	19.0
8 9	19 20.73	−31 47.2	1.499	2.427	12.3	19.2
8 19	19 14.90	−31 47.9	1.574	2.430	15.9	19.5

23182 Siyaxuza 7 16.4 313.°31 0.°4/16.6 18

6 10	20 8.38	−17 38.9	1.582	2.439	15.9	18.7
6 20	20 4.53	−18 12.9	1.503	2.433	12.3	18.5
6 30	19 58.09	−18 58.1	1.445	2.427	8.0	18.2
7 10	19 49.72	−19 51.1	1.411	2.422	3.3	17.9
7 20	19 40.38	−20 46.8	1.402	2.417	1.7	17.8
7 30	19 31.31	−21 40.4	1.419	2.412	6.6	18.1
8 9	19 23.74	−22 27.8	1.461	2.407	11.1	18.3
8 19	19 18.57	−23 6.7	1.524	2.402	15.1	18.6

385028 2012 TJ_{291} 7 16.4 348.°44 2.°9/15.1 17

6 10	20 6.83	−24 11.7	1.438	2.313	16.2	20.1
6 20	20 3.70	−25 10.3	1.367	2.307	12.5	19.8
6 30	19 57.72	−26 15.8	1.316	2.302	8.1	19.6
7 10	19 49.61	−27 22.0	1.288	2.297	3.9	19.3
7 20	19 40.44	−28 21.9	1.284	2.294	3.8	19.3
7 30	19 31.62	−29 9.6	1.305	2.291	8.1	19.5
8 9	19 24.52	−29 42.2	1.349	2.289	12.4	19.8
8 19	19 20.09	−29 59.7	1.414	2.288	16.3	20.0

263083 2007 RQ_{244} 7 16.4 248.°29 1.°1/16.9 17

6 10	20 11.96	−16 56.9	1.603	2.452	16.2	21.5
6 20	20 7.34	−17 11.2	1.515	2.440	12.6	21.3
6 30	19 59.98	−17 35.9	1.447	2.426	8.4	21.0
7 10	19 50.51	−18 8.7	1.403	2.413	3.7	20.7
7 20	19 39.93	−18 45.9	1.385	2.399	2.0	20.5
7 30	19 29.54	−19 23.3	1.392	2.384	6.8	20.8
8 9	19 20.63	−19 57.8	1.425	2.369	11.5	21.0
8 19	19 14.20	−20 27.1	1.479	2.354	15.7	21.3

275337 2010 WL_{29} 7 16.4 286.°88 1.°6/15.8 17

6 10	20 10.10	−21 26.5	1.458	2.324	16.6	20.6
6 20	20 6.34	−22 14.4	1.371	2.306	12.8	20.4
6 30	19 59.58	−23 12.6	1.304	2.289	8.3	20.1
7 10	19 50.44	−24 15.8	1.260	2.272	3.5	19.7
7 20	19 39.96	−25 17.6	1.241	2.254	2.8	19.6
7 30	19 29.60	−26 11.6	1.248	2.237	7.8	19.9
8 9	19 20.86	−26 53.6	1.277	2.219	12.8	20.1
8 19	19 14.89	−27 22.4	1.328	2.202	17.1	20.3

19937 1981 EF_{15} 7 16.4 3.°35 2.°7/15.5 18

6 10	20 10.58	−28 34.8	2.011	2.864	13.2	19.1
6 20	20 5.65	−28 45.4	1.936	2.863	10.1	18.9
6 30	19 58.49	−28 54.5	1.884	2.863	6.7	18.7
7 10	19 49.78	−28 58.6	1.857	2.864	3.5	18.5
7 20	19 40.44	−28 54.7	1.857	2.864	3.2	18.4
7 30	19 31.52	−28 41.5	1.883	2.865	6.4	18.6
8 9	19 24.02	−28 19.3	1.936	2.866	9.8	18.9
8 19	19 18.64	−27 49.8	2.011	2.868	12.9	19.1

369899 2012 TO_{288} 7 16.4 23.°03 7.°2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.75	− 6 56.5	1.537	2.366	17.7	19.9
6 20	20 4.54	− 5 47.9	1.471	2.371	14.5	19.7
6 30	19 57.90	− 4 54.0	1.424	2.376	11.1	19.5
7 10	19 49.58	− 4 17.5	1.400	2.382	8.2	19.4
7 20	19 40.56	− 3 59.9	1.399	2.389	7.2	19.3
7 30	19 31.98	− 4 0.6	1.423	2.396	9.0	19.5
8 9	19 24.94	− 4 16.7	1.469	2.403	12.1	19.7
8 19	19 20.19	− 4 43.8	1.537	2.411	15.2	19.9

52284 1990 HP 7 16.4 62.°60 20.°9/ 7.8 18

6 10	20 31.25	−56 41.6	1.054	1.883	24.0	17.7
6 20	20 27.05	−59 35.5	1.026	1.888	22.3	17.6
6 30	20 15.34	−61 59.4	1.014	1.894	21.2	17.6
7 10	19 57.25	−63 33.4	1.017	1.899	20.9	17.6
7 20	19 36.25	−64 3.4	1.035	1.905	21.6	17.6
7 30	19 17.38	−63 28.3	1.069	1.911	22.9	17.7
8 9	19 4.58	−62 0.3	1.116	1.918	24.5	17.9
8 19	18 59.13	−59 55.9	1.175	1.924	26.2	18.1

386312 2008 SB_{64} 7 16.4 202.°24 1.°6/15.8 16

6 10	20 12.32	−24 46.9	2.066	2.912	13.2	22.5
6 20	20 6.95	−25 3.7	1.984	2.909	10.1	22.3
6 30	19 59.35	−25 22.4	1.926	2.906	6.5	22.0
7 10	19 50.16	−25 39.4	1.893	2.903	2.9	21.8
7 20	19 40.24	−25 51.7	1.887	2.899	2.3	21.8
7 30	19 30.66	−25 57.0	1.909	2.895	5.9	22.0
8 9	19 22.41	−25 54.7	1.957	2.890	9.6	22.2
8 19	19 16.22	−25 45.5	2.029	2.885	12.8	22.4

244615 2003 AW_{54} 7 16.4 260.°33 3.°2/15.5 17

6 10	20 14.90	−26 33.5	1.387	2.253	17.2	20.5
6 20	20 10.18	−27 4.3	1.306	2.241	13.4	20.2
6 30	20 2.11	−27 37.9	1.246	2.229	8.9	19.9
7 10	19 51.46	−28 8.1	1.208	2.217	4.4	19.6
7 20	19 39.47	−28 28.9	1.195	2.204	4.1	19.6
7 30	19 27.84	−28 35.9	1.206	2.191	8.6	19.8
8 9	19 18.20	−28 28.6	1.241	2.178	13.4	20.0
8 19	19 11.70	−28 9.2	1.295	2.165	17.7	20.3

40602 1999 RO_{152} 7 16.4 331.°14 6.°1/18.6 18

6 10	20 3.03	− 8 36.9	1.133	1.999	20.3	18.3
6 20	20 1.26	− 8 18.8	1.054	1.981	16.6	18.0
6 30	19 56.45	− 8 22.1	0.992	1.964	12.3	17.7
7 10	19 49.24	− 8 48.9	0.949	1.948	8.0	17.4
7 20	19 40.70	− 9 38.0	0.928	1.934	6.2	17.2
7 30	19 32.35	−10 45.0	0.928	1.920	9.2	17.4
8 9	19 25.75	−12 2.3	0.949	1.908	14.0	17.6
8 19	19 22.06	−13 22.2	0.988	1.897	18.7	17.8

134975 2001 FJ_{10} 7 16.4 202.°16 0.°2/16.5 17

6 10	20 13.72	−19 58.4	1.895	2.736	14.3	20.8
6 20	20 8.18	−20 7.2	1.811	2.732	11.1	20.6
6 30	20 0.24	−20 21.5	1.749	2.728	7.2	20.3
7 10	19 50.56	−20 38.7	1.712	2.723	2.9	20.0
7 20	19 40.05	−20 55.9	1.703	2.717	1.6	19.9
7 30	19 29.85	−21 10.4	1.721	2.711	6.0	20.2
8 9	19 21.03	−21 20.8	1.765	2.704	10.1	20.4
8 19	19 14.42	−21 26.6	1.833	2.696	13.6	20.7

3313 Mendel 7 16.4 26.°46 3.°4/17.1 18

6 10	20 11.34	−16 6.0	1.480	2.333	17.0	15.8
6 20	20 6.61	−15 12.4	1.415	2.339	13.3	15.6
6 30	19 59.27	−14 25.8	1.370	2.346	9.1	15.3
7 10	19 50.14	−13 47.0	1.349	2.354	4.9	15.1
7 20	19 40.34	−13 16.3	1.352	2.362	3.7	15.1
7 30	19 31.12	−12 53.5	1.381	2.371	7.2	15.3
8 9	19 23.64	−12 37.7	1.434	2.380	11.3	15.6
8 19	19 18.65	−12 27.7	1.508	2.390	15.0	15.8

153060 2000 QU_{166} 7 16.4 328.°90 2.°3/17.1 18

6 10	20 8.60	−16 12.8	1.503	2.360	16.6	19.8
6 20	20 4.76	−15 58.4	1.425	2.353	13.0	19.6
6 30	19 58.27	−15 53.3	1.366	2.346	8.8	19.3
7 10	19 49.83	−15 56.4	1.331	2.339	4.3	19.0
7 20	19 40.46	−16 6.0	1.320	2.332	2.7	18.9
7 30	19 31.43	−16 19.4	1.334	2.327	6.9	19.2
8 9	19 23.97	−16 34.4	1.371	2.321	11.4	19.4
8 19	19 18.98	−16 49.0	1.430	2.316	15.5	19.7

237932 2002 QO_{50} 7 16.4 2.°99 2.°8/17.5 18

6 10	20 7.30	−14 0.7	1.656	2.504	15.7	20.3
6 20	20 3.44	−13 51.9	1.582	2.504	12.4	20.1
6 30	19 57.24	−13 54.0	1.529	2.503	8.5	19.9
7 10	19 49.37	−14 6.1	1.499	2.504	4.5	19.7
7 20	19 40.74	−14 26.3	1.494	2.505	3.0	19.6
7 30	19 32.47	−14 51.7	1.515	2.506	6.4	19.8
8 9	19 25.62	−15 19.5	1.560	2.508	10.4	20.0
8 19	19 20.95	−15 46.9	1.627	2.510	14.1	20.3

326913 2003 XZ_2 7 16.4 249°.28 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.22	−18 20.8	1.810	2.654	14.8	21.3
6 20	20 7.36	−18 48.5	1.714	2.636	11.5	21.1
6 30	19 59.95	−19 25.6	1.639	2.618	7.5	20.8
7 10	19 50.54	−20 9.0	1.589	2.599	3.1	20.5
7 20	19 40.03	−20 54.7	1.565	2.580	1.7	20.3
7 30	19 29.60	−21 38.4	1.569	2.560	6.4	20.6
8 9	19 20.45	−22 16.7	1.599	2.539	10.8	20.8
8 19	19 13.56	−22 48.0	1.651	2.517	14.7	21.0

389097 2008 XW_{46} 7 16.4 185°.21 10°.0/12.1 18

6 10	20 25.97	−52 31.5	2.405	3.187	13.4	21.1
6 20	20 17.93	−53 30.9	2.344	3.187	11.9	21.0
6 30	20 6.65	−54 14.8	2.303	3.187	10.6	20.9
7 10	19 53.11	−54 35.8	2.285	3.186	10.0	20.9
7 20	19 38.72	−54 29.2	2.291	3.185	10.3	20.9
7 30	19 25.17	−53 53.8	2.321	3.183	11.3	20.9
8 9	19 13.90	−52 53.2	2.374	3.181	12.8	21.0
8 19	19 5.80	−51 33.5	2.447	3.178	14.4	21.2

492272 2013 XO_5 7 16.4 184°.41 1°.5/15.8 17

6 10	20 13.20	−24 51.6	2.399	3.235	11.9	23.7
6 20	20 7.31	−25 11.6	2.316	3.236	9.1	23.5
6 30	19 59.44	−25 33.0	2.257	3.236	5.9	23.3
7 10	19 50.19	−25 52.7	2.225	3.235	2.6	23.1
7 20	19 40.31	−26 7.7	2.222	3.233	2.1	23.0
7 30	19 30.73	−26 16.2	2.247	3.231	5.4	23.2
8 9	19 22.31	−26 17.5	2.300	3.228	8.6	23.4
8 19	19 15.72	−26 12.0	2.377	3.224	11.5	23.6

342969 2009 BK_{15} 7 16.4 314°.60 1°.0/16.8 18

6 10	20 8.68	−18 41.7	1.684	2.539	15.2	20.5
6 20	20 4.63	−18 34.3	1.599	2.528	11.8	20.3
6 30	19 58.10	−18 33.5	1.535	2.516	7.8	20.0
7 10	19 49.76	−18 37.4	1.495	2.505	3.4	19.7
7 20	19 40.52	−18 44.0	1.480	2.495	1.9	19.6
7 30	19 31.55	−18 51.2	1.492	2.484	6.3	19.8
8 9	19 24.01	−18 57.1	1.527	2.474	10.7	20.1
8 19	19 18.74	−19 0.9	1.585	2.465	14.5	20.3

511319 2014 DW_{122} 7 16.4 151°.28 4°.6/19.2 18

6 10	20 7.62	− 5 10.9	2.340	3.135	13.4	21.8
6 20	20 2.95	− 5 14.5	2.261	3.142	10.9	21.6
6 30	19 56.59	− 5 32.3	2.203	3.148	8.2	21.5
7 10	19 49.04	− 6 4.0	2.170	3.153	5.7	21.3
7 20	19 40.95	− 6 48.0	2.164	3.158	4.6	21.3
7 30	19 33.10	− 7 41.8	2.186	3.163	6.0	21.4
8 9	19 26.23	− 8 41.5	2.235	3.168	8.6	21.5
8 19	19 20.93	− 9 43.5	2.309	3.172	11.2	21.7

371427 2006 SN_{141} 7 16.4 280°.49 0°.4/16.6 18

6 10	20 10.38	−17 28.5	1.603	2.456	16.0	21.7
6 20	20 6.36	−18 2.7	1.504	2.431	12.5	21.5
6 30	19 59.54	−18 49.4	1.425	2.406	8.2	21.1
7 10	19 50.47	−19 45.7	1.370	2.380	3.4	20.8
7 20	19 40.05	−20 46.7	1.340	2.354	1.8	20.6
7 30	19 29.59	−21 46.8	1.336	2.328	7.0	20.9
8 9	19 20.47	−22 41.1	1.357	2.302	12.0	21.1
8 19	19 13.83	−23 26.9	1.400	2.275	16.4	21.3

475641 2006 US_{255} 7 16.4 261°.91 5°.3/18.6 18

6 10	20 7.08	− 6 9.3	2.239	3.042	13.7	21.9
6 20	20 2.72	− 5 36.6	2.148	3.033	11.2	21.7
6 30	19 56.54	− 5 15.9	2.079	3.024	8.6	21.5
7 10	19 49.05	− 5 8.3	2.034	3.014	6.2	21.3
7 20	19 40.92	− 5 13.8	2.015	3.005	5.3	21.2
7 30	19 32.97	− 5 31.5	2.023	2.995	6.8	21.3
8 9	19 25.98	− 5 58.9	2.056	2.985	9.4	21.5
8 19	19 20.62	− 6 33.2	2.114	2.976	12.1	21.6

280983 2006 DW_{71} 7 16.4 255°.23 0°.4/16.6 16

6 10	20 9.36	−18 32.2	1.853	2.701	14.3	21.3
6 20	20 4.92	−18 50.7	1.771	2.696	11.1	21.1
6 30	19 58.18	−19 16.9	1.710	2.690	7.2	20.8
7 10	19 49.76	−19 48.3	1.674	2.685	3.0	20.6
7 20	19 40.53	−20 21.4	1.665	2.679	1.6	20.5
7 30	19 31.57	−20 52.9	1.682	2.674	5.9	20.7
8 9	19 23.92	−21 20.3	1.725	2.668	10.0	21.0
8 19	19 18.37	−21 42.3	1.791	2.662	13.6	21.2

473894 2016 ET_{146} 7 16.4 21°.05 1°.3/16.9 17

6 10	20 7.98	−16 49.8	1.155	2.031	19.3	20.7
6 20	20 4.82	−17 5.7	1.096	2.036	14.9	20.5
6 30	19 58.52	−17 35.0	1.056	2.041	9.8	20.2
7 10	19 49.97	−18 14.5	1.036	2.047	4.2	19.9
7 20	19 40.44	−18 59.0	1.040	2.054	2.2	19.8
7 30	19 31.50	−19 43.0	1.066	2.062	7.6	20.2
8 9	19 24.61	−20 22.2	1.115	2.071	12.8	20.5
8 19	19 20.69	−20 54.0	1.183	2.080	17.2	20.8

160641 1999 VB_{158} 7 16.4 331°.70 7°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.23	−34 10.5	1.450	2.323	16.3	19.3
6 20	20 5.97	−35 28.8	1.377	2.310	13.0	19.1
6 30	19 59.48	−36 45.3	1.324	2.297	9.7	18.9
7 10	19 50.46	−37 50.9	1.294	2.285	7.5	18.7
7 20	19 40.14	−38 37.2	1.286	2.273	8.1	18.7
7 30	19 30.16	−38 58.7	1.303	2.263	11.0	18.8
8 9	19 22.14	−38 55.1	1.340	2.253	14.6	19.0
8 19	19 17.20	−38 30.0	1.397	2.244	18.0	19.2

109051 2001 QK_{15} 7 16.4 338°.49 2°.2/15.7 18

6 10	20 3.96	−22 56.9	1.125	2.017	18.5	19.3
6 20	20 2.24	−23 31.8	1.051	2.000	14.3	19.0
6 30	19 57.21	−24 15.6	0.994	1.985	9.3	18.7
7 10	19 49.60	−25 2.9	0.958	1.970	4.0	18.3
7 20	19 40.61	−25 46.8	0.944	1.957	3.4	18.3
7 30	19 31.93	−26 21.3	0.952	1.946	8.8	18.5
8 9	19 25.25	−26 42.6	0.981	1.936	14.2	18.8
8 19	19 21.77	−26 50.3	1.028	1.927	19.0	19.1

371499 2006 UA_{36} 7 16.4 258°.91 0°.8/16.2 17

6 10	20 12.70	−21 54.7	1.726	2.578	15.1	22.3
6 20	20 7.85	−22 11.4	1.634	2.561	11.6	22.0
6 30	20 0.31	−22 33.5	1.563	2.544	7.6	21.7
7 10	19 50.71	−22 57.7	1.516	2.527	3.1	21.4
7 20	19 40.02	−23 19.9	1.495	2.509	2.0	21.3
7 30	19 29.50	−23 36.8	1.501	2.491	6.7	21.6
8 9	19 20.43	−23 46.8	1.532	2.472	11.2	21.8
8 19	19 13.78	−23 49.5	1.586	2.453	15.2	22.0

352158 2007 QN 7 16.5 333°.67 3°.7/18.5 18

6 10	20 1.58	− 8 22.9	1.305	2.163	18.6	19.4
6 20	19 59.92	− 9 8.1	1.214	2.139	15.0	19.1
6 30	19 55.52	−10 20.3	1.142	2.116	10.7	18.8
7 10	19 48.90	−11 58.7	1.091	2.095	6.1	18.5
7 20	19 40.98	−13 58.4	1.064	2.075	3.8	18.3
7 30	19 33.07	−16 10.3	1.060	2.056	7.6	18.4
8 9	19 26.61	−18 23.4	1.080	2.039	12.7	18.7
8 19	19 22.75	−20 28.0	1.120	2.023	17.5	18.9

386845 2010 JZ_{177} 7 16.5 205°.12 4°.1/14.0 18

6 10	20 12.48	−30 9.5	2.256	3.100	12.3	21.2
6 20	20 7.18	−31 18.4	2.175	3.095	9.5	21.0
6 30	19 59.62	−32 27.8	2.118	3.090	6.6	20.8
7 10	19 50.37	−33 32.1	2.087	3.085	4.4	20.6
7 20	19 40.26	−34 25.9	2.084	3.079	4.7	20.6
7 30	19 30.34	−35 5.5	2.110	3.073	7.2	20.8
8 9	19 21.65	−35 29.5	2.161	3.066	10.2	21.0
8 19	19 14.98	−35 39.0	2.235	3.059	12.9	21.1

485128 2010 MM_{61} 7 16.5 293°.86 7°.5/13.4 18

6 10	20 16.13	−41 48.0	2.156	2.986	13.2	21.1
6 20	20 10.41	−42 29.2	2.065	2.964	11.0	20.9
6 30	20 1.91	−43 1.5	1.997	2.942	8.9	20.7
7 10	19 51.33	−43 18.3	1.952	2.919	7.6	20.6
7 20	19 39.74	−43 14.4	1.933	2.897	7.8	20.6
7 30	19 28.51	−42 47.6	1.940	2.874	9.7	20.7
8 9	19 18.94	−41 59.6	1.971	2.852	12.1	20.8
8 19	19 11.94	−40 54.7	2.023	2.829	14.7	20.9

246869 4583 $T\text{-}_3$ 7 16.5 279°.68 5°.2/13.7 18

6 10	20 10.40	−34 31.8	2.274	3.120	12.1	20.6
6 20	20 5.62	−35 28.0	2.196	3.113	9.6	20.4
6 30	19 58.60	−36 21.0	2.140	3.106	7.1	20.2
7 10	19 49.96	−37 5.5	2.110	3.099	5.3	20.1
7 20	19 40.52	−37 36.8	2.107	3.092	5.6	20.1
7 30	19 31.35	−37 52.2	2.131	3.085	7.7	20.2
8 9	19 23.46	−37 51.4	2.179	3.078	10.4	20.4
8 19	19 17.62	−37 36.3	2.250	3.071	12.9	20.6

513058 2017 WF_{14} 7 16.5 192°.42 9°.9/23.2 18

6 10	20 8.70	+15 4.3	2.899	3.552	13.9	22.8
6 20	20 3.57	+15 51.1	2.813	3.549	12.7	22.6
6 30	19 56.92	+16 19.0	2.745	3.546	11.5	22.5
7 10	19 49.21	+16 25.2	2.697	3.542	10.5	22.5
7 20	19 40.96	+16 8.0	2.673	3.537	10.0	22.4
7 30	19 32.86	+15 28.0	2.672	3.532	10.1	22.4
8 9	19 25.54	+14 27.8	2.695	3.525	10.8	22.5
8 19	19 19.54	+13 11.6	2.741	3.518	12.0	22.5

144749 2004 GF_{83} 7 16.5 265°.58 1°.1/15.9 18

6 10	20 8.75	−22 32.6	2.132	2.980	12.7	20.8
6 20	20 4.26	−22 59.8	2.045	2.971	9.7	20.6
6 30	19 57.69	−23 31.3	1.981	2.962	6.3	20.3
7 10	19 49.59	−24 3.9	1.942	2.953	2.6	20.1
7 20	19 40.75	−24 34.3	1.931	2.944	1.9	20.0
7 30	19 32.11	−24 59.4	1.947	2.934	5.6	20.2
8 9	19 24.63	−25 17.7	1.989	2.925	9.3	20.4
8 19	19 19.03	−25 28.5	2.055	2.915	12.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367493 2009 HU_{31}			7 16.5 122°.31		3°.1/15.2 16	
	h m	° ′			°	m
6 10	20 13.04	−24 40.9	1.483	2.346	16.5	21.8
6 20	20 8.36	−25 43.0	1.417	2.351	12.6	21.6
6 30	20 0.71	−26 50.8	1.372	2.355	8.2	21.3
7 10	19 50.89	−27 57.3	1.350	2.359	4.1	21.1
7 20	19 40.05	−28 55.4	1.355	2.363	4.0	21.1
7 30	19 29.67	−29 39.8	1.384	2.367	8.1	21.3
8 9	19 21.14	−30 8.1	1.438	2.371	12.3	21.6
8 19	19 15.41	−30 21.5	1.512	2.374	16.1	21.8
166089 2002 CH_{129}			7 16.5 109°.05		2°.6/17.4 17	
6 10	20 12.23	−14 0.3	1.478	2.325	17.4	20.3
6 20	20 7.41	−14 3.7	1.413	2.334	13.6	20.1
6 30	19 59.90	−14 19.9	1.367	2.343	9.2	19.8
7 10	19 50.50	−14 47.0	1.345	2.352	4.6	19.6
7 20	19 40.29	−15 21.8	1.348	2.360	2.9	19.5
7 30	19 30.58	−16 0.3	1.377	2.368	6.9	19.8
8 9	19 22.59	−16 38.8	1.429	2.376	11.3	20.1
8 19	19 17.16	−17 14.4	1.504	2.384	15.2	20.3
376908 2001 YK_{96}			7 16.5 152°.89		2°.0/15.8 18	
6 10	20 14.82	−26 41.4	2.063	2.906	13.3	20.9
6 20	20 8.78	−26 52.8	1.990	2.912	10.2	20.7
6 30	20 0.49	−27 4.0	1.940	2.919	6.6	20.5
7 10	19 50.66	−27 11.3	1.916	2.924	3.1	20.3
7 20	19 40.21	−27 12.0	1.920	2.930	2.7	20.2
7 30	19 30.23	−27 4.4	1.951	2.935	6.0	20.5
8 9	19 21.70	−26 48.9	2.009	2.939	9.5	20.7
8 19	19 15.32	−26 26.7	2.091	2.943	12.6	20.9
57977 2002 PF_{17}			7 16.5 22°.82		0°.1/16.5 18	
6 10	20 9.45	−19 54.7	1.816	2.667	14.4	19.5
6 20	20 4.96	−20 5.4	1.741	2.668	11.1	19.3
6 30	19 58.19	−20 22.2	1.688	2.669	7.2	19.1
7 10	19 49.79	−20 42.4	1.659	2.670	2.9	18.8
7 20	19 40.67	−21 3.0	1.657	2.672	1.6	18.7
7 30	19 31.91	−21 21.2	1.682	2.673	5.9	19.0
8 9	19 24.54	−21 35.3	1.731	2.674	9.9	19.3
8 19	19 19.31	−21 44.6	1.804	2.676	13.4	19.5
175326 2005 NC_{5}			7 16.5 167°.48		0°.8/16.9 18	
6 10	20 7.45	−16 19.5	2.164	3.002	12.9	20.5
6 20	20 3.12	−16 49.9	2.083	3.002	10.0	20.3
6 30	19 56.87	−17 29.0	2.026	3.003	6.5	20.1
7 10	19 49.25	−18 14.4	1.994	3.003	2.8	19.9
7 20	19 40.98	−19 2.8	1.989	3.004	1.5	19.8
7 30	19 32.95	−19 50.8	2.013	3.004	5.1	20.0
8 9	19 26.00	−20 35.5	2.063	3.004	8.7	20.3
8 19	19 20.79	−21 14.8	2.137	3.004	11.8	20.5
333962 2000 EL_{27}			7 16.5 52°.07		3°.8/15.6 17	
6 10	20 15.63	−29 16.7	1.332	2.201	17.7	20.3
6 20	20 10.29	−29 33.6	1.283	2.218	13.6	20.1
6 30	20 1.79	−29 48.0	1.254	2.236	9.0	19.8
7 10	19 51.22	−29 54.0	1.248	2.255	4.8	19.7
7 20	19 39.99	−29 47.7	1.266	2.273	4.5	19.7
7 30	19 29.72	−29 27.7	1.309	2.293	8.3	20.0
8 9	19 21.74	−28 55.9	1.374	2.312	12.4	20.3
8 19	19 16.81	−28 15.9	1.461	2.331	16.1	20.5
484156 2006 UZ_{26}			7 16.5 1°.14		6°.7/19.1 17	
6 10	20 6.28	− 4 30.5	1.841	2.652	15.9	20.8
6 20	20 2.42	− 3 47.4	1.765	2.652	13.2	20.6
6 30	19 56.50	− 3 19.7	1.709	2.651	10.3	20.4
7 10	19 49.12	− 3 9.2	1.675	2.651	7.7	20.3
7 20	19 41.07	− 3 16.4	1.666	2.652	6.8	20.2
7 30	19 33.31	− 3 40.0	1.682	2.653	8.1	20.3
8 9	19 26.76	− 4 16.4	1.723	2.654	10.8	20.5
8 19	19 22.10	− 5 1.5	1.785	2.655	13.6	20.7
111913 Davidgans			7 16.5 222°.51		3°.6/18.5 18	R
6 10	20 6.21	− 8 31.9	2.606	3.412	11.9	20.2
6 20	20 1.83	− 8 28.6	2.514	3.406	9.6	20.0
6 30	19 55.89	− 8 35.7	2.445	3.399	7.0	19.8
7 10	19 48.84	− 8 53.0	2.401	3.393	4.5	19.7
7 20	19 41.24	− 9 19.6	2.385	3.385	3.6	19.6
7 30	19 33.80	− 9 53.5	2.397	3.378	5.2	19.7
8 9	19 27.19	−10 32.3	2.436	3.371	7.9	19.8
8 19	19 21.96	−11 13.4	2.500	3.363	10.5	20.0
316946 2001 DK_{15}			7 16.5 132°.49		3°.4/15.2 17	
6 10	20 17.07	−28 28.4	1.834	2.681	14.5	21.3
6 20	20 10.79	−29 7.9	1.772	2.695	11.2	21.1
6 30	20 1.92	−29 46.9	1.731	2.709	7.4	20.9
7 10	19 51.28	−30 19.8	1.717	2.721	4.1	20.7
7 20	19 39.95	−30 41.9	1.729	2.734	4.0	20.7
7 30	19 29.19	−30 50.9	1.768	2.745	7.2	21.0
8 9	19 20.16	−30 46.8	1.833	2.756	10.7	21.2
8 19	19 13.62	−30 31.8	1.921	2.766	13.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
353007 2009 BE_{149}			7 16.5 298°.34		0°.2/16.4 18	
	h m	° ′			°	m
6 10	20 8.06	−19 32.6	1.857	2.709	14.1	20.6
6 20	20 4.02	−20 2.9	1.772	2.700	10.9	20.4
6 30	19 57.69	−20 41.0	1.710	2.692	7.1	20.1
7 10	19 49.66	−21 23.8	1.672	2.683	2.8	19.9
7 20	19 40.78	−22 7.3	1.660	2.675	1.6	19.7
7 30	19 32.12	−22 47.6	1.675	2.666	6.0	20.0
8 9	19 24.73	−23 21.9	1.716	2.658	10.1	20.2
8 19	19 19.41	−23 48.6	1.779	2.650	13.6	20.5
201833 2003 YQ_{57}			7 16.5 247°.98		0°.7/16.8 18	
6 10	20 9.26	−17 41.4	2.213	3.049	12.7	20.8
6 20	20 4.59	−18 0.0	2.117	3.035	9.8	20.6
6 30	19 57.90	−18 25.9	2.044	3.021	6.5	20.3
7 10	19 49.72	−18 57.0	1.996	3.006	2.8	20.1
7 20	19 40.76	−19 30.5	1.977	2.991	1.4	20.0
7 30	19 31.92	−20 3.6	1.985	2.975	5.3	20.2
8 9	19 24.12	−20 33.9	2.020	2.959	8.9	20.4
8 19	19 18.09	−20 59.9	2.079	2.943	12.2	20.6
105449 2000 QA_{191}			7 16.5 334°.75		5°.5/19.5 17	
6 10	20 3.40	− 5 14.5	1.329	2.172	19.2	19.2
6 20	20 1.17	− 5 44.1	1.246	2.158	15.7	18.9
6 30	19 56.25	− 6 41.2	1.180	2.144	11.7	18.6
7 10	19 49.21	− 8 5.8	1.136	2.131	7.6	18.4
7 20	19 41.00	− 9 54.2	1.114	2.120	5.5	18.2
7 30	19 32.93	−11 58.4	1.117	2.109	8.1	18.3
8 9	19 26.34	−14 8.1	1.143	2.099	12.5	18.5
8 19	19 22.28	−16 13.5	1.190	2.091	16.8	18.8
398085 2009 KP_{13}			7 16.5 333°.87		1°.2/15.8 18	
6 10	20 6.45	−20 40.1	1.840	2.697	14.0	20.4
6 20	20 2.85	−21 34.3	1.758	2.689	10.7	20.1
6 30	19 56.98	−22 37.0	1.699	2.682	6.9	19.9
7 10	19 49.40	−23 43.9	1.664	2.675	2.8	19.6
7 20	19 40.95	−24 49.7	1.656	2.669	2.2	19.6
7 30	19 32.70	−25 49.4	1.674	2.663	6.3	19.8
8 9	19 25.72	−26 39.5	1.718	2.657	10.3	20.1
8 19	19 20.81	−27 18.4	1.784	2.652	13.8	20.3
367724 2010 UF_{1}			7 16.5 345°.61		0°.5/16.4 17	
6 10	20 8.76	−23 17.5	1.076	1.965	19.5	20.0
6 20	20 5.92	−22 59.2	1.008	1.955	15.1	19.7
6 30	19 59.55	−22 43.8	0.958	1.947	9.8	19.4
7 10	19 50.56	−22 28.4	0.928	1.940	4.0	19.0
7 20	19 40.33	−22 10.1	0.919	1.934	2.3	18.9
7 30	19 30.69	−21 47.4	0.933	1.930	8.4	19.3
8 9	19 23.30	−21 20.6	0.968	1.926	13.9	19.5
8 19	19 19.25	−20 50.9	1.021	1.924	18.8	19.8
482555 2012 VP_{43}			7 16.5 302°.82		5°.8/17.6 16	
6 10	20 9.99	−10 4.1	1.685	2.516	16.3	20.9
6 20	20 5.90	− 9 7.7	1.575	2.481	13.4	20.6
6 30	19 59.21	− 8 20.0	1.485	2.445	10.0	20.3
7 10	19 50.41	− 7 43.4	1.417	2.409	6.9	20.1
7 20	19 40.34	− 7 19.7	1.375	2.374	6.0	19.9
7 30	19 30.16	− 7 9.6	1.358	2.338	8.5	20.0
8 9	19 21.14	− 7 12.0	1.364	2.302	12.5	20.1
8 19	19 14.35	− 7 24.6	1.392	2.266	16.5	20.3
275516 1996 VB_{10}			7 16.5 253°.00		6°.1/12.9 18	
6 10	20 13.01	−32 45.0	1.869	2.722	14.0	20.5
6 20	20 8.27	−34 18.8	1.790	2.712	11.1	20.3
6 30	20 0.72	−35 53.0	1.733	2.702	8.2	20.1
7 10	19 50.99	−37 19.7	1.702	2.692	6.2	20.0
7 20	19 40.06	−38 30.8	1.698	2.682	6.8	20.0
7 30	19 29.27	−39 21.0	1.719	2.671	9.4	20.1
8 9	19 20.00	−39 48.7	1.765	2.661	12.6	20.3
8 19	19 13.26	−39 56.0	1.831	2.650	15.5	20.5
346632 2008 WX_{135}			7 16.5 279°.05		0°.9/16.0 18	
6 10	20 9.91	−21 14.1	1.903	2.753	13.9	21.0
6 20	20 5.59	−21 49.6	1.803	2.730	10.8	20.7
6 30	19 58.84	−22 32.4	1.726	2.707	7.0	20.5
7 10	19 50.20	−23 18.9	1.673	2.684	2.9	20.2
7 20	19 40.49	−24 4.8	1.647	2.661	2.0	20.0
7 30	19 30.82	−24 45.7	1.649	2.637	6.4	20.3
8 9	19 22.35	−25 18.8	1.675	2.613	10.6	20.5
8 19	19 16.00	−25 43.0	1.725	2.589	14.3	20.7
412455 2014 GF_{39}			7 16.5 182°.80		3°.1/14.8 17	
6 10	20 11.88	−29 15.3	2.522	3.361	11.3	22.1
6 20	20 6.38	−29 59.3	2.442	3.361	8.7	22.0
6 30	19 58.93	−30 42.8	2.387	3.361	5.9	21.8
7 10	19 50.09	−31 21.8	2.359	3.361	3.5	21.6
7 20	19 40.62	−31 52.6	2.359	3.360	3.6	21.6
7 30	19 31.39	−32 12.7	2.388	3.359	6.0	21.8
8 9	19 23.29	−32 21.5	2.443	3.356	8.8	22.0
8 19	19 16.96	−32 19.8	2.522	3.354	11.4	22.1

311538 2005 YX_{155} 7 16.5 144°.10 1°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.94	−16 23.4	2.729	3.556	10.8	21.4
6 20	20 2.27	−16 28.6	2.649	3.562	8.4	21.3
6 30	19 56.10	−16 39.6	2.594	3.567	5.5	21.1
7 10	19 48.91	−16 54.9	2.565	3.573	2.6	20.9
7 20	19 41.28	−17 12.9	2.565	3.578	1.5	20.8
7 30	19 33.88	−17 32.0	2.594	3.583	4.3	21.0
8 9	19 27.37	−17 50.6	2.650	3.588	7.1	21.2
8 19	19 22.24	−18 7.5	2.731	3.592	9.7	21.4

35191 1994 CE_{3} 7 16.5 219°.70 3°.8/18.4 18

6 10	20 9.06	− 8 53.7	2.013	2.830	14.5	19.4
6 20	20 4.51	− 9 3.0	1.924	2.824	11.6	19.2
6 30	19 57.88	− 9 26.5	1.857	2.817	8.4	19.0
7 10	19 49.73	−10 3.5	1.814	2.810	5.2	18.8
7 20	19 40.81	−10 52.0	1.798	2.803	3.8	18.7
7 30	19 32.06	−11 48.5	1.809	2.795	6.2	18.8
8 9	19 24.42	−12 49.0	1.847	2.787	9.6	19.0
8 19	19 18.63	−13 49.5	1.908	2.779	12.9	19.2

357239 2002 LB_{61} 7 16.5 58°.39 1°.2/17.2 18

6 10	20 6.34	−14 41.9	2.205	3.040	12.8	20.6
6 20	20 2.18	−15 17.4	2.133	3.049	9.9	20.4
6 30	19 56.22	−16 2.7	2.083	3.058	6.5	20.2
7 10	19 49.01	−16 55.3	2.059	3.067	3.0	20.0
7 20	19 41.24	−17 51.6	2.063	3.076	1.6	19.9
7 30	19 33.74	−18 48.2	2.094	3.086	4.9	20.2
8 9	19 27.30	−19 41.8	2.153	3.095	8.3	20.4
8 19	19 22.53	−20 30.0	2.236	3.105	11.3	20.6

130061 1999 VR_{187} 7 16.5 312°.12 0°.1/16.5 18

6 10	20 7.24	−19 17.7	1.556	2.419	15.8	19.9
6 20	20 3.98	−19 39.3	1.462	2.396	12.3	19.7
6 30	19 58.03	−20 10.5	1.388	2.372	8.1	19.4
7 10	19 49.94	−20 48.2	1.338	2.350	3.3	19.0
7 20	19 40.66	−21 28.4	1.313	2.327	1.8	18.8
7 30	19 31.47	−22 6.7	1.312	2.305	6.9	19.1
8 9	19 23.69	−22 39.3	1.335	2.284	11.8	19.3
8 19	19 18.36	−23 4.5	1.380	2.263	16.1	19.5

315331 2007 TD_{392} 7 16.5 295°.77 2°.5/15.7 17

6 10	20 12.06	−24 28.5	1.343	2.214	17.4	20.8
6 20	20 8.01	−25 1.5	1.268	2.206	13.4	20.5
6 30	20 0.75	−25 39.9	1.213	2.198	8.8	20.2
7 10	19 51.04	−26 18.0	1.180	2.190	4.0	19.9
7 20	19 40.10	−26 49.5	1.171	2.183	3.4	19.9
7 30	19 29.56	−27 10.0	1.187	2.175	8.2	20.1
8 9	19 20.95	−27 17.6	1.225	2.168	13.1	20.4
8 19	19 15.38	−27 13.5	1.283	2.161	17.4	20.6

162154 1999 AD_{20} 7 16.5 243°.05 1°.2/16.1 17

6 10	20 14.50	−23 2.6	1.515	2.373	16.5	21.0
6 20	20 9.52	−23 16.2	1.433	2.364	12.7	20.7
6 30	20 1.55	−23 34.3	1.372	2.355	8.3	20.4
7 10	19 51.32	−23 52.9	1.334	2.345	3.4	20.1
7 20	19 39.96	−24 7.6	1.322	2.335	2.4	20.0
7 30	19 28.94	−24 15.2	1.335	2.325	7.3	20.3
8 9	19 19.69	−24 14.7	1.372	2.314	12.1	20.5
8 19	19 13.21	−24 6.6	1.431	2.303	16.3	20.8

176143 2001 FO_{83} 7 16.5 206°.86 1°.0/16.1 18

6 10	20 14.24	−22 28.4	1.877	2.722	14.3	21.5
6 20	20 8.72	−22 49.2	1.793	2.717	11.0	21.2
6 30	20 0.73	−23 14.4	1.731	2.712	7.1	21.0
7 10	19 50.91	−23 40.4	1.695	2.706	2.9	20.7
7 20	19 40.21	−24 3.4	1.685	2.699	2.0	20.6
7 30	19 29.80	−24 20.3	1.703	2.691	6.3	20.9
8 9	19 20.82	−24 29.9	1.747	2.683	10.3	21.1
8 19	19 14.11	−24 32.2	1.814	2.675	13.9	21.3

170702 2004 BJ_{25} 7 16.5 287°.81 0°.5/16.3 18

6 10	20 11.92	−23 25.9	1.912	2.761	13.9	19.6
6 20	20 6.89	−23 14.3	1.823	2.749	10.7	19.4
6 30	19 59.51	−23 4.1	1.756	2.737	7.0	19.1
7 10	19 50.41	−22 52.9	1.714	2.725	2.8	18.8
7 20	19 40.50	−22 38.7	1.699	2.713	1.7	18.7
7 30	19 30.90	−22 20.5	1.711	2.702	6.0	19.0
8 9	19 22.67	−21 58.3	1.749	2.690	10.0	19.2
8 19	19 16.62	−21 32.8	1.810	2.678	13.6	19.4

425618 2010 VK_{55} 7 16.5 235°.38 1°.4/17.0 17

6 10	20 12.23	−16 24.2	1.809	2.649	15.0	21.9
6 20	20 7.29	−16 31.9	1.718	2.637	11.7	21.7
6 30	19 59.88	−16 48.8	1.649	2.625	7.8	21.4
7 10	19 50.62	−17 13.0	1.604	2.613	3.6	21.2
7 20	19 40.39	−17 41.6	1.586	2.599	2.0	21.0
7 30	19 30.33	−18 11.5	1.595	2.586	6.2	21.3
8 9	19 21.60	−18 39.9	1.629	2.571	10.5	21.5
8 19	19 15.08	−19 5.0	1.686	2.557	14.3	21.7

286467 2002 AR_{138} 7 16.5 233°.58 1°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.62	−16 34.1	2.384	3.217	12.0	21.5
6 20	20 3.13	−16 44.8	2.295	3.211	9.3	21.3
6 30	19 56.85	−17 2.4	2.229	3.205	6.2	21.0
7 10	19 49.30	−17 25.3	2.190	3.198	2.8	20.8
7 20	19 41.14	−17 51.4	2.177	3.191	1.6	20.7
7 30	19 33.16	−18 18.3	2.194	3.184	4.8	20.9
8 9	19 26.15	−18 44.1	2.237	3.177	8.2	21.1
8 19	19 20.74	−19 7.2	2.304	3.170	11.1	21.3

479074 2013 AK_{90} 7 16.5 303°.13 3°.5/15.6 18

6 10	20 14.99	−31 32.4	1.934	2.782	13.8	20.4
6 20	20 9.27	−31 30.9	1.851	2.774	10.8	20.2
6 30	20 1.02	−31 24.6	1.791	2.766	7.4	20.0
7 10	19 51.00	−31 9.6	1.756	2.759	4.3	19.8
7 20	19 40.24	−30 43.0	1.747	2.752	4.0	19.8
7 30	19 29.95	−30 4.1	1.766	2.745	7.0	19.9
8 9	19 21.27	−29 14.9	1.810	2.738	10.5	20.1
8 19	19 14.98	−28 18.3	1.877	2.731	13.8	20.3

32349 2000 QA_{109} 7 16.5 209°.38 0°.3/16.6 18

6 10	20 10.17	−17 58.4	1.898	2.742	14.2	19.2
6 20	20 5.55	−18 30.5	1.816	2.739	11.0	19.0
6 30	19 58.66	−19 11.5	1.757	2.736	7.1	18.7
7 10	19 50.09	−19 58.2	1.722	2.733	2.9	18.5
7 20	19 40.72	−20 46.7	1.715	2.729	1.5	18.4
7 30	19 31.58	−21 33.0	1.734	2.725	5.8	18.6
8 9	19 23.73	−22 13.9	1.780	2.721	9.8	18.9
8 19	19 17.94	−22 47.9	1.849	2.717	13.3	19.1

375249 2008 GO_{67} 7 16.5 279°.71 7°.9/19.4 17

6 10	20 8.34	− 2 58.1	1.624	2.434	17.7	21.0
6 20	20 4.41	− 2 17.0	1.541	2.425	14.9	20.8
6 30	19 58.06	− 1 54.5	1.477	2.416	11.8	20.6
7 10	19 49.90	− 1 53.2	1.434	2.407	9.0	20.4
7 20	19 40.81	− 2 14.1	1.414	2.398	7.9	20.3
7 30	19 31.92	− 2 55.2	1.419	2.389	9.3	20.4
8 9	19 24.37	− 3 52.1	1.448	2.380	12.3	20.5
8 19	19 19.01	− 4 59.0	1.498	2.371	15.6	20.7

266534 2008 FR_{57} 7 16.5 354°.11 2°.0/15.8 18

6 10	20 9.58	−23 17.8	1.364	2.237	17.1	20.2
6 20	20 5.94	−23 54.5	1.296	2.235	13.1	20.0
6 30	19 59.30	−24 37.6	1.247	2.233	8.5	19.7
7 10	19 50.44	−25 21.7	1.220	2.231	3.7	19.4
7 20	19 40.54	−26 0.9	1.218	2.230	3.0	19.4
7 30	19 31.09	−26 30.5	1.240	2.230	7.8	19.7
8 9	19 23.49	−26 48.3	1.285	2.230	12.5	19.9
8 19	19 18.72	−26 54.4	1.351	2.231	16.6	20.2

95570 2002 ED_{115} 7 16.5 118°.48 2°.2/17.8 18

6 10	20 6.47	−12 8.3	2.421	3.244	12.2	20.0
6 20	20 2.13	−12 25.3	2.343	3.249	9.6	19.8
6 30	19 56.14	−12 52.1	2.288	3.255	6.6	19.7
7 10	19 49.00	−13 27.4	2.258	3.260	3.6	19.5
7 20	19 41.36	−14 8.9	2.256	3.266	2.4	19.4
7 30	19 33.94	−14 53.8	2.282	3.271	4.8	19.6
8 9	19 27.47	−15 39.4	2.336	3.276	7.8	19.8
8 19	19 22.51	−16 23.2	2.414	3.282	10.6	20.0

205173 2000 AS_{238} 7 16.5 188°.57 0°.5/16.3 18

6 10	20 11.37	−22 7.6	2.266	3.105	12.4	21.5
6 20	20 6.06	−22 16.6	2.183	3.104	9.5	21.3
6 30	19 58.76	−22 28.6	2.124	3.103	6.1	21.1
7 10	19 50.08	−22 41.1	2.091	3.102	2.5	20.8
7 20	19 40.78	−22 51.8	2.086	3.100	1.5	20.8
7 30	19 31.77	−22 58.7	2.110	3.098	5.2	21.0
8 9	19 23.93	−23 1.0	2.160	3.096	8.7	21.2
8 19	19 17.90	−22 58.7	2.234	3.093	11.7	21.4

44922 1999 VE_{34} 7 16.5 327°.84 3°.9/17.5 18

6 10	20 7.86	−14 12.0	1.256	2.122	18.7	18.8
6 20	20 4.76	−13 39.5	1.178	2.109	14.9	18.5
6 30	19 58.64	−13 18.7	1.119	2.097	10.4	18.2
7 10	19 50.23	−13 9.9	1.080	2.086	5.8	17.9
7 20	19 40.65	−13 12.6	1.065	2.075	4.2	17.8
7 30	19 31.38	−13 24.5	1.072	2.065	8.1	18.0
8 9	19 23.89	−13 42.7	1.102	2.056	13.0	18.2
8 19	19 19.21	−14 4.0	1.151	2.048	17.5	18.5

28544 2000 EM_{19} 7 16.5 225°.96 0°.6/16.3 18

6 10	20 13.25	−20 19.3	1.414	2.274	17.3	19.4
6 20	20 8.69	−20 47.7	1.338	2.270	13.3	19.2
6 30	20 1.09	−21 25.1	1.283	2.266	8.7	18.9
7 10	19 51.20	−22 7.2	1.250	2.261	3.5	18.6
7 20	19 40.16	−22 48.6	1.242	2.257	2.1	18.5
7 30	19 29.49	−23 24.3	1.260	2.251	7.4	18.8
8 9	19 20.63	−23 51.4	1.301	2.246	12.3	19.1
8 19	19 14.61	−24 9.1	1.363	2.240	16.6	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
349752 2008 YP_{157}			7 16.5	23°.55	0°.1/16.5	16
	h m	° ′			°	m
6 10	20 8.38	−19 3.8	1.805	2.657	14.5	21.0
6 20	20 4.23	−19 30.1	1.731	2.659	11.1	20.8
6 30	19 57.81	−20 4.1	1.680	2.661	7.2	20.6
7 10	19 49.76	−20 42.8	1.652	2.663	2.9	20.3
7 20	19 40.97	−21 22.3	1.651	2.666	1.5	20.2
7 30	19 32.52	−21 58.9	1.677	2.669	5.9	20.5
8 9	19 25.42	−22 30.1	1.728	2.671	9.9	20.8
8 19	19 20.44	−22 54.4	1.801	2.675	13.4	21.0
237272 2008 WA_{129}			7 16.5	35°.53	1°.0/16.0	17
6 10	20 8.04	−19 51.3	1.520	2.384	16.1	19.6
6 20	20 4.28	−20 46.0	1.462	2.396	12.2	19.4
6 30	19 57.97	−21 50.0	1.424	2.409	7.8	19.1
7 10	19 49.84	−22 57.9	1.410	2.422	3.1	18.9
7 20	19 40.95	−24 3.8	1.422	2.435	2.2	18.8
7 30	19 32.54	−25 1.9	1.459	2.450	6.7	19.2
8 9	19 25.76	−25 49.1	1.520	2.464	11.0	19.5
8 19	19 21.41	−26 24.0	1.604	2.479	14.6	19.7
236397 2006 DD_{52}			7 16.5	137°.78	4°.4/18.5	17
6 10	20 11.12	− 7 39.5	2.332	3.131	13.3	21.7
6 20	20 5.59	− 7 16.0	2.260	3.145	10.7	21.5
6 30	19 58.32	− 7 3.7	2.209	3.158	7.9	21.4
7 10	19 49.88	− 7 2.9	2.184	3.170	5.4	21.2
7 20	19 40.96	− 7 12.8	2.187	3.182	4.5	21.2
7 30	19 32.37	− 7 32.0	2.218	3.194	6.0	21.3
8 9	19 24.86	− 7 58.1	2.276	3.204	8.6	21.5
8 19	19 19.00	− 8 28.4	2.358	3.214	11.2	21.7
397718 2008 DZ_{45}			7 16.5	60°.79	2°.4/18.2	18
6 10	20 8.04	− 9 35.0	2.026	2.847	14.3	20.3
6 20	20 3.57	−10 33.7	1.961	2.865	11.2	20.1
6 30	19 57.18	−11 47.5	1.917	2.884	7.7	20.0
7 10	19 49.46	−13 13.4	1.900	2.902	4.1	19.8
7 20	19 41.17	−14 46.5	1.910	2.921	2.5	19.7
7 30	19 33.21	−16 21.1	1.949	2.940	5.3	19.9
8 9	19 26.41	−17 52.2	2.016	2.959	8.7	20.2
8 19	19 21.42	−19 15.6	2.107	2.977	11.8	20.4
307154 2002 CF_{286}			7 16.5	188°.23	1°.2/17.2	18
6 10	20 7.31	−15 49.4	2.477	3.307	11.7	21.4
6 20	20 2.80	−16 6.1	2.393	3.307	9.1	21.2
6 30	19 56.61	−16 30.0	2.332	3.306	6.0	21.0
7 10	19 49.23	−16 59.6	2.297	3.305	2.8	20.8
7 20	19 41.29	−17 32.6	2.291	3.304	1.6	20.7
7 30	19 33.56	−18 6.5	2.312	3.303	4.6	20.9
8 9	19 26.77	−18 39.0	2.361	3.301	7.8	21.1
8 19	19 21.50	−19 8.7	2.435	3.300	10.7	21.3
175497 2006 RH_{64}			7 16.5	244°.49	1°.3/15.9	18
6 10	20 9.63	−23 27.0	2.121	2.969	12.8	20.6
6 20	20 4.96	−23 50.6	2.038	2.964	9.8	20.4
6 30	19 58.19	−24 17.5	1.979	2.960	6.3	20.2
7 10	19 49.91	−24 44.5	1.944	2.955	2.7	20.0
7 20	19 40.93	−25 8.3	1.937	2.950	2.1	19.9
7 30	19 32.21	−25 26.2	1.958	2.945	5.7	20.2
8 9	19 24.69	−25 37.0	2.005	2.940	9.2	20.4
8 19	19 19.08	−25 40.5	2.075	2.935	12.4	20.6
41311 1999 XR_{166}			7 16.5	153°.56	0°.1/16.5	18
6 10	20 9.17	−21 16.0	2.459	3.297	11.6	18.8
6 20	20 4.19	−21 12.4	2.378	3.299	8.8	18.6
6 30	19 57.47	−21 11.5	2.322	3.300	5.7	18.4
7 10	19 49.56	−21 11.7	2.291	3.302	2.3	18.2
7 20	19 41.14	−21 11.2	2.289	3.303	1.2	18.1
7 30	19 33.02	−21 9.0	2.315	3.305	4.7	18.3
8 9	19 25.95	−21 4.2	2.368	3.306	7.9	18.5
8 19	19 20.51	−20 56.9	2.446	3.307	10.7	18.7
325005 2008 BT_{38}			7 16.5	178°.60	2°.2/17.4	17
6 10	20 11.56	−14 10.5	1.726	2.565	15.6	22.0
6 20	20 6.72	−14 18.5	1.649	2.566	12.2	21.8
6 30	19 59.47	−14 37.9	1.593	2.567	8.3	21.5
7 10	19 50.47	−15 7.0	1.561	2.567	4.2	21.3
7 20	19 40.65	−15 42.7	1.555	2.567	2.6	21.2
7 30	19 31.15	−16 21.7	1.575	2.567	6.3	21.4
8 9	19 23.06	−17 0.5	1.622	2.566	10.4	21.7
8 19	19 17.22	−17 36.5	1.690	2.565	14.1	21.9
62295 2000 SV_{114}			7 16.5	334°.00	0°.4/16.6	18
6 10	20 6.19	−19 24.5	1.084	1.971	19.4	18.4
6 20	20 4.03	−19 31.8	1.011	1.957	15.1	18.1
6 30	19 58.48	−19 49.9	0.955	1.944	10.0	17.8
7 10	19 50.28	−20 15.8	0.920	1.932	4.1	17.4
7 20	19 40.70	−20 44.9	0.906	1.921	2.2	17.3
7 30	19 31.47	−21 12.2	0.914	1.911	8.3	17.6
8 9	19 24.29	−21 34.1	0.943	1.902	14.0	17.9
8 19	19 20.34	−21 48.7	0.990	1.895	19.0	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
94668 2001 XM_{14}			7 16.5	52°.25	6°.5/14.1	17
	h m	° ′			°	m
6 10	20 14.15	−34 11.7	1.539	2.401	16.1	19.1
6 20	20 9.28	−35 14.3	1.484	2.410	12.7	18.9
6 30	20 1.35	−36 12.1	1.449	2.420	9.2	18.7
7 10	19 51.24	−36 57.2	1.438	2.430	6.8	18.6
7 20	19 40.27	−37 23.2	1.452	2.441	7.1	18.7
7 30	19 29.98	−37 27.2	1.489	2.452	9.7	18.8
8 9	19 21.75	−37 10.7	1.550	2.463	13.0	19.1
8 19	19 16.46	−36 37.7	1.631	2.474	16.0	19.3
322515 2011 WQ_{141}			7 16.5	250°.30	3°.3/14.7	18
6 10	20 9.54	−28 16.3	2.200	3.050	12.3	21.0
6 20	20 4.94	−29 8.2	2.122	3.047	9.5	20.8
6 30	19 58.22	−30 1.2	2.066	3.044	6.4	20.6
7 10	19 49.95	−30 50.5	2.037	3.041	3.7	20.4
7 20	19 40.94	−31 31.7	2.035	3.038	3.8	20.4
7 30	19 32.18	−32 1.5	2.060	3.034	6.6	20.6
8 9	19 24.61	−32 18.8	2.111	3.031	9.7	20.8
8 19	19 18.98	−32 24.1	2.185	3.028	12.5	20.9
463480 2013 PC_{74}			7 16.5	8°.16	0°.1/16.5	17
6 10	20 2.92	−27 6.3	0.698	1.621	22.9	18.7
6 20	20 2.29	−25 37.1	0.657	1.623	17.7	18.4
6 30	19 57.43	−24 0.8	0.631	1.628	11.5	18.1
7 10	19 49.75	−22 19.1	0.623	1.636	4.6	17.7
7 20	19 41.16	−20 36.3	0.633	1.648	2.4	17.7
7 30	19 33.81	−18 58.5	0.662	1.663	9.2	18.1
8 9	19 29.35	−17 30.8	0.708	1.681	15.1	18.5
8 19	19 28.55	−16 15.7	0.772	1.701	20.1	18.9
206593 2003 WN_{34}			7 16.5	270°.59	1°.1/16.1	18
6 10	20 10.72	−22 57.8	2.005	2.854	13.4	21.4
6 20	20 6.05	−23 16.3	1.910	2.836	10.3	21.1
6 30	19 59.07	−23 38.7	1.837	2.819	6.7	20.9
7 10	19 50.35	−24 1.9	1.790	2.801	2.8	20.6
7 20	19 40.73	−24 22.4	1.769	2.783	2.0	20.5
7 30	19 31.26	−24 37.5	1.776	2.764	6.0	20.7
8 9	19 23.01	−24 45.6	1.809	2.746	10.0	20.9
8 19	19 16.81	−24 46.8	1.864	2.727	13.5	21.1
337559 2001 SE_{264}			7 16.5	221°.39	0°.2/16.5	18
6 10	20 24.49	−25 0.6	1.297	2.150	18.9	19.9
6 20	20 17.56	−24 10.9	1.217	2.145	14.8	19.6
6 30	20 6.93	−23 17.7	1.157	2.138	9.7	19.3
7 10	19 53.58	−22 18.2	1.121	2.132	3.9	19.0
7 20	19 39.04	−21 11.9	1.110	2.124	2.1	18.8
7 30	19 25.20	−20 0.8	1.125	2.116	8.1	19.2
8 9	19 13.80	−18 49.0	1.165	2.108	13.6	19.4
8 19	19 5.92	−17 40.7	1.225	2.099	18.3	19.7
144205 2004 CS_{7}			7 16.5	300°.11	1°.1/16.9	18
6 10	20 8.72	−16 53.1	1.405	2.268	17.3	19.8
6 20	20 5.45	−17 9.8	1.312	2.244	13.5	19.5
6 30	19 59.21	−17 39.4	1.238	2.220	9.1	19.2
7 10	19 50.58	−18 19.4	1.186	2.196	4.0	18.8
7 20	19 40.56	−19 5.9	1.158	2.173	2.1	18.6
7 30	19 30.55	−19 53.8	1.155	2.149	7.4	18.9
8 9	19 22.06	−20 38.4	1.175	2.126	12.7	19.1
8 19	19 16.29	−21 16.6	1.215	2.104	17.4	19.4
380041 2013 RH_{35}			7 16.5	16°.12	3°.6/18.0	17
6 10	20 7.04	−11 26.1	1.279	2.138	18.8	19.9
6 20	20 3.91	−11 36.2	1.214	2.140	14.9	19.7
6 30	19 57.96	−12 4.5	1.168	2.144	10.4	19.5
7 10	19 49.95	−12 49.6	1.143	2.148	5.7	19.2
7 20	19 40.99	−13 47.5	1.142	2.153	3.8	19.1
7 30	19 32.49	−14 52.2	1.164	2.158	7.5	19.3
8 9	19 25.74	−15 57.8	1.209	2.164	12.1	19.6
8 19	19 21.65	−16 59.1	1.275	2.171	16.3	19.9
353340 2010 RL_{182}			7 16.5	3°.90	5°.8/20.1	18
6 10	20 4.42	− 2 55.5	1.948	2.752	15.4	19.9
6 20	20 0.99	− 3 1.1	1.869	2.752	12.7	19.7
6 30	19 55.64	− 3 25.5	1.810	2.752	9.8	19.5
7 10	19 48.92	− 4 8.9	1.774	2.753	7.1	19.4
7 20	19 41.55	− 5 9.7	1.763	2.754	5.8	19.3
7 30	19 34.41	− 6 24.1	1.779	2.756	7.1	19.4
8 9	19 28.36	− 7 46.9	1.819	2.758	9.8	19.5
8 19	19 24.06	− 9 12.5	1.884	2.761	12.7	19.7
389882 2012 SY_{55}			7 16.5	266°.45	5°.1/19.1	18
6 10	20 7.94	− 5 44.8	1.969	2.777	15.1	21.5
6 20	20 3.83	− 5 47.1	1.871	2.761	12.4	21.3
6 30	19 57.61	− 6 6.0	1.794	2.745	9.3	21.1
7 10	19 49.78	− 6 41.9	1.740	2.728	6.4	20.9
7 20	19 41.07	− 7 33.7	1.713	2.711	5.1	20.8
7 30	19 32.42	− 8 38.1	1.712	2.693	6.9	20.8
8 9	19 24.82	− 9 50.4	1.737	2.676	10.2	21.0
8 19	19 19.07	−11 5.8	1.785	2.658	13.5	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519558 2012 QA_{54}			7 16.5 259°00		2°5/17.6 18	
	h m	° ′			°	m
6 10	20 9.07	−13 44.0	2.020	2.852	13.9	21.9
6 20	20 4.63	−13 42.6	1.927	2.839	11.0	21.7
6 30	19 58.07	−13 50.9	1.855	2.826	7.5	21.4
7 10	19 49.95	−14 8.0	1.808	2.813	4.0	21.2
7 20	19 41.01	−14 32.1	1.788	2.799	2.7	21.1
7 30	19 32.24	−15 0.7	1.796	2.785	5.8	21.3
8 9	19 24.57	−15 31.1	1.829	2.772	9.5	21.5
8 19	19 18.78	−16 1.2	1.886	2.757	12.9	21.6
180164 2003 HP_{6}			7 16.5 20°42		4°4/14.5 18	
6 10	20 10.19	−31 37.7	2.045	2.898	13.0	20.2
6 20	20 5.60	−32 25.8	1.976	2.900	10.1	20.0
6 30	19 58.70	−33 12.0	1.928	2.902	7.1	19.9
7 10	19 50.17	−33 50.9	1.906	2.904	4.7	19.7
7 20	19 40.92	−34 18.2	1.911	2.907	4.9	19.7
7 30	19 32.04	−34 31.2	1.941	2.909	7.4	19.9
8 9	19 24.56	−34 29.6	1.997	2.912	10.4	20.1
8 19	19 19.23	−34 15.2	2.075	2.915	13.2	20.3
436585 2011 JC_{7}			7 16.5 94°11		5°1/14.1 17	
6 10	20 14.47	−31 27.0	1.818	2.670	14.4	21.5
6 20	20 9.04	−32 39.2	1.763	2.687	11.2	21.4
6 30	20 0.99	−33 49.4	1.730	2.703	7.9	21.2
7 10	19 51.10	−34 50.7	1.723	2.719	5.4	21.1
7 20	19 40.46	−35 37.0	1.741	2.734	5.7	21.1
7 30	19 30.35	−36 4.9	1.786	2.750	8.3	21.3
8 9	19 21.95	−36 14.6	1.856	2.765	11.4	21.6
8 19	19 16.05	−36 8.4	1.947	2.780	14.2	21.8
508178 2015 FL_{287}			7 16.5 66°60		2°6/17.5 17	
6 10	20 12.30	−14 35.0	1.611	2.453	16.4	20.7
6 20	20 7.10	−14 23.1	1.558	2.477	12.7	20.5
6 30	19 59.54	−14 21.7	1.527	2.501	8.6	20.3
7 10	19 50.45	−14 29.1	1.519	2.525	4.4	20.1
7 20	19 40.85	−14 43.4	1.537	2.548	2.9	20.1
7 30	19 31.89	−15 1.8	1.581	2.572	6.3	20.3
8 9	19 24.57	−15 21.8	1.651	2.596	10.2	20.6
8 19	19 19.56	−15 41.4	1.742	2.619	13.6	20.9
251957 1999 XN_{228}			7 16.5 275°19		1°1/15.9 18	
6 10	20 7.46	−22 27.8	2.430	3.274	11.5	20.8
6 20	20 3.17	−23 1.9	2.336	3.260	8.8	20.6
6 30	19 57.02	−23 40.5	2.264	3.245	5.7	20.4
7 10	19 49.51	−24 20.5	2.220	3.230	2.4	20.1
7 20	19 41.28	−24 58.7	2.203	3.215	1.8	20.1
7 30	19 33.18	−25 32.1	2.214	3.200	5.2	20.3
8 9	19 26.02	−25 58.8	2.252	3.185	8.5	20.5
8 19	19 20.48	−26 18.0	2.314	3.170	11.4	20.6
1243 Pamela			7 16.5 356°34		5°3/18.5 18	R
6 10	20 7.64	− 7 15.6	2.146	2.956	14.0	14.5
6 20	20 3.24	− 6 30.1	2.065	2.955	11.4	14.3
6 30	19 56.99	− 5 55.7	2.006	2.954	8.7	14.2
7 10	19 49.46	− 5 33.7	1.972	2.954	6.2	14.0
7 20	19 41.35	− 5 24.6	1.963	2.954	5.4	14.0
7 30	19 33.50	− 5 27.7	1.981	2.954	6.9	14.0
8 9	19 26.70	− 5 41.2	2.024	2.954	9.5	14.2
8 19	19 21.60	− 6 2.1	2.091	2.954	12.2	14.4
179694 2002 RO_{18}			7 16.5 264°70		3°5/15.3 18	
6 10	20 13.93	−27 45.9	1.662	2.519	15.3	20.5
6 20	20 9.11	−28 22.7	1.574	2.504	11.9	20.2
6 30	20 1.38	−29 1.4	1.508	2.488	8.0	19.9
7 10	19 51.41	−29 36.0	1.466	2.473	4.3	19.7
7 20	19 40.26	−30 1.2	1.450	2.457	4.2	19.6
7 30	19 29.34	−30 12.9	1.460	2.440	8.0	19.8
8 9	19 20.05	−30 10.2	1.493	2.424	12.1	20.0
8 19	19 13.43	−29 55.0	1.548	2.407	15.9	20.2
357885 2005 UY_{475}			7 16.5 306°49		3°9/18.7 18	
6 10	20 5.45	− 8 14.8	2.054	2.874	14.1	20.4
6 20	20 1.83	− 8 25.9	1.961	2.861	11.4	20.1
6 30	19 56.25	− 8 51.6	1.889	2.848	8.3	19.9
7 10	19 49.23	− 9 31.7	1.841	2.836	5.3	19.7
7 20	19 41.45	−10 24.0	1.819	2.823	3.9	19.6
7 30	19 33.79	−11 25.4	1.824	2.811	6.0	19.7
8 9	19 27.14	−12 31.4	1.855	2.799	9.3	19.9
8 19	19 22.21	−13 38.1	1.910	2.787	12.6	20.1
23301 2001 AO_{16}			7 16.5 354°75		1°4/16.2 18	
6 10	20 10.77	−27 43.2	2.387	3.230	11.7	16.5
6 20	20 5.50	−27 17.7	2.304	3.227	9.0	16.4
6 30	19 58.37	−26 49.4	2.244	3.223	5.9	16.2
7 10	19 49.98	−26 16.8	2.211	3.221	2.6	15.9
7 20	19 41.11	−25 38.7	2.207	3.219	2.0	15.9
7 30	19 32.64	−24 55.4	2.230	3.217	5.1	16.1
8 9	19 25.36	−24 8.0	2.281	3.216	8.3	16.3
8 19	19 19.86	−23 18.2	2.357	3.216	11.2	16.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
281768 2009 HN_{5}			7 16.5 349°68		2°4/17.3 17	
	h m	° ′			°	m
6 10	20 3.22	−15 21.5	1.016	1.905	20.3	19.5
6 20	20 1.75	−15 25.0	0.950	1.896	16.0	19.2
6 30	19 57.00	−15 45.1	0.901	1.888	10.8	18.9
7 10	19 49.72	−16 20.0	0.871	1.881	5.2	18.6
7 20	19 41.18	−17 5.4	0.862	1.876	2.9	18.4
7 30	19 33.06	−17 55.4	0.874	1.873	8.2	18.7
8 9	19 26.98	−18 44.0	0.907	1.871	13.8	19.0
8 19	19 24.06	−19 26.5	0.957	1.871	18.8	19.3
278661 2008 RO_{68}			7 16.5 326°54		3°9/14.9 18	
6 10	20 10.33	−27 56.9	1.547	2.414	15.7	20.0
6 20	20 6.42	−28 44.4	1.471	2.406	12.1	19.8
6 30	19 59.64	−29 33.9	1.417	2.399	8.2	19.5
7 10	19 50.69	−30 19.3	1.386	2.392	4.6	19.3
7 20	19 40.69	−30 54.4	1.380	2.385	4.6	19.3
7 30	19 31.03	−31 15.0	1.399	2.379	8.3	19.5
8 9	19 23.10	−31 19.8	1.441	2.373	12.3	19.7
8 19	19 17.86	−31 10.6	1.504	2.368	16.0	19.9
293695 2007 PB_{39}			7 16.5 23°06		2°9/15.5 16	
6 10	20 11.85	−27 29.6	1.760	2.617	14.6	21.2
6 20	20 7.08	−27 55.0	1.688	2.618	11.2	21.0
6 30	19 59.76	−28 20.7	1.639	2.620	7.4	20.8
7 10	19 50.64	−28 42.2	1.614	2.621	3.8	20.6
7 20	19 40.75	−28 55.2	1.615	2.623	3.5	20.6
7 30	19 31.30	−28 57.5	1.642	2.625	7.0	20.8
8 9	19 23.45	−28 48.7	1.693	2.627	10.8	21.0
8 19	19 17.98	−28 30.4	1.767	2.629	14.2	21.2
283145 2008 YX_{73}			7 16.5 245°64		1°2/16.0 18	
6 10	20 10.60	−23 11.4	1.993	2.842	13.4	21.2
6 20	20 5.88	−23 33.5	1.909	2.836	10.3	21.0
6 30	19 58.90	−23 59.3	1.848	2.830	6.7	20.8
7 10	19 50.30	−24 25.4	1.813	2.823	2.8	20.5
7 20	19 40.92	−24 48.4	1.804	2.817	2.1	20.5
7 30	19 31.80	−25 5.5	1.823	2.811	5.9	20.7
8 9	19 23.97	−25 15.2	1.867	2.804	9.7	20.9
8 19	19 18.19	−25 17.7	1.935	2.797	13.1	21.1
23649 Tohoku			7 16.5 41°61		0°1/16.5 18	
6 10	20 11.21	−20 7.8	1.235	2.107	18.5	18.7
6 20	20 7.14	−20 17.8	1.182	2.120	14.2	18.5
6 30	20 0.01	−20 36.0	1.147	2.133	9.2	18.3
7 10	19 50.76	−20 58.5	1.135	2.146	3.7	18.0
7 20	19 40.72	−21 20.9	1.146	2.161	1.9	17.9
7 30	19 31.41	−21 39.6	1.181	2.176	7.3	18.3
8 9	19 24.16	−21 52.5	1.239	2.191	12.2	18.6
8 19	19 19.83	−21 59.1	1.317	2.206	16.3	18.9
285165 1995 XC_{3}			7 16.5 195°35		0°8/16.9 18	
6 10	20 10.16	−17 21.6	2.213	3.047	12.8	22.3
6 20	20 5.23	−17 40.1	2.128	3.045	9.9	22.1
6 30	19 58.34	−18 5.9	2.067	3.043	6.5	21.9
7 10	19 50.04	−18 36.6	2.031	3.040	2.8	21.6
7 20	19 41.06	−19 9.7	2.022	3.037	1.4	21.5
7 30	19 32.31	−19 42.2	2.043	3.033	5.1	21.8
8 9	19 24.65	−20 11.9	2.090	3.029	8.7	22.0
8 19	19 18.77	−20 37.4	2.161	3.025	11.8	22.2
37001 2000 TL_{29}			7 16.5 154°07		7°4/19.4 18	
6 10	20 8.80	+ 0 36.7	2.509	3.269	13.5	18.9
6 20	20 3.83	+ 1 41.9	2.429	3.272	11.6	18.8
6 30	19 57.25	+ 2 33.8	2.371	3.275	9.6	18.7
7 10	19 49.55	+ 3 10.1	2.337	3.278	8.0	18.6
7 20	19 41.34	+ 3 29.2	2.329	3.281	7.4	18.6
7 30	19 33.36	+ 3 31.3	2.347	3.283	8.1	18.6
8 9	19 26.28	+ 3 18.3	2.390	3.286	9.7	18.7
8 19	19 20.68	+ 2 53.2	2.457	3.288	11.7	18.8
362566 2010 VK_{72}			7 16.5 280°87		4°3/14.2 18	
6 10	20 9.71	−31 59.6	2.317	3.164	11.9	20.7
6 20	20 5.10	−32 51.0	2.235	3.156	9.3	20.6
6 30	19 58.36	−33 40.9	2.177	3.149	6.6	20.4
7 10	19 50.08	−34 24.5	2.145	3.141	4.5	20.2
7 20	19 41.04	−34 57.5	2.139	3.133	4.7	20.2
7 30	19 32.22	−35 16.9	2.161	3.125	7.0	20.4
8 9	19 24.59	−35 22.2	2.208	3.117	9.8	20.5
8 19	19 18.87	−35 14.7	2.278	3.109	12.5	20.7
345842 Alexparker			7 16.5 324°96		2°6/15.4 17	
6 10	20 9.55	−25 4.2	1.692	2.554	14.8	21.3
6 20	20 5.52	−25 50.4	1.616	2.549	11.4	21.1
6 30	19 58.90	−26 40.9	1.560	2.543	7.5	20.8
7 10	19 50.36	−27 30.6	1.530	2.538	3.6	20.6
7 20	19 40.88	−28 14.0	1.524	2.534	3.4	20.6
7 30	19 31.71	−28 46.8	1.545	2.529	7.2	20.8
8 9	19 24.04	−29 7.1	1.590	2.525	11.2	21.0
8 19	19 18.77	−29 15.1	1.657	2.521	14.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
75397 1999 XY_{98}			7 16.5 180.°28		1.°2/16.0 18	
	h m	° ′			°	m
6 10	20 14.32	−23 4.3	1.940	2.784	14.0	19.4
6 20	20 8.71	−23 28.5	1.862	2.785	10.7	19.1
6 30	20 0.72	−23 56.4	1.806	2.786	6.9	18.9
7 10	19 51.03	−24 24.3	1.776	2.786	2.9	18.7
7 20	19 40.56	−24 48.4	1.773	2.786	2.1	18.6
7 30	19 30.43	−25 5.9	1.798	2.785	6.1	18.9
8 9	19 21.72	−25 15.6	1.849	2.783	9.9	19.1
8 19	19 15.22	−25 17.6	1.923	2.781	13.3	19.3
31080 1996 XA_{6}			7 16.5 321.°63		0.°4/16.4 18	
6 10	20 9.30	−22 28.9	1.840	2.695	14.1	18.0
6 20	20 5.04	−22 23.1	1.753	2.682	10.9	17.7
6 30	19 58.45	−22 20.2	1.688	2.671	7.1	17.5
7 10	19 50.14	−22 17.7	1.648	2.659	2.9	17.2
7 20	19 41.02	−22 13.6	1.634	2.648	1.6	17.1
7 30	19 32.18	−22 6.1	1.646	2.638	6.0	17.4
8 9	19 24.70	−21 54.7	1.683	2.627	10.1	17.6
8 19	19 19.36	−21 39.5	1.743	2.618	13.7	17.8
277409 2005 UR_{217}			7 16.5 197.°40		2.°5/17.6 18	
6 10	20 10.80	−13 13.6	2.045	2.872	14.0	21.9
6 20	20 5.84	−13 14.6	1.960	2.869	11.0	21.7
6 30	19 58.79	−13 25.5	1.898	2.867	7.6	21.5
7 10	19 50.25	−13 45.3	1.860	2.863	4.1	21.3
7 20	19 40.98	−14 12.0	1.849	2.860	2.7	21.2
7 30	19 31.95	−14 43.0	1.867	2.856	5.7	21.4
8 9	19 24.09	−15 15.7	1.910	2.851	9.3	21.6
8 19	19 18.11	−15 47.6	1.977	2.846	12.6	21.8
398624 2011 YP_{59}			7 16.5 325.°75		1.°0/17.2 18	
6 10	20 6.25	−14 41.7	2.187	3.023	12.9	20.4
6 20	20 2.33	−15 27.3	2.101	3.018	10.0	20.2
6 30	19 56.52	−16 23.8	2.039	3.014	6.6	19.9
7 10	19 49.34	−17 28.8	2.002	3.010	3.0	19.7
7 20	19 41.46	−18 38.2	1.993	3.007	1.5	19.6
7 30	19 33.74	−19 47.7	2.012	3.003	5.1	19.8
8 9	19 27.02	−20 53.6	2.057	3.000	8.6	20.0
8 19	19 21.99	−21 52.9	2.128	2.997	11.8	20.2
95689 2002 JG_{40}			7 16.5 291.°22		13.°2/21.8 18	
6 10	20 7.14	+10 47.1	1.855	2.583	18.6	19.1
6 20	20 3.33	+12 12.2	1.773	2.572	16.9	18.9
6 30	19 57.34	+13 14.3	1.709	2.561	15.2	18.7
7 10	19 49.72	+13 47.7	1.663	2.550	13.8	18.6
7 20	19 41.24	+13 48.8	1.638	2.540	13.2	18.6
7 30	19 32.89	+13 16.7	1.633	2.529	13.5	18.6
8 9	19 25.68	+12 15.3	1.650	2.519	14.7	18.6
8 19	19 20.40	+10 50.7	1.687	2.508	16.5	18.7
184559 2005 QU_{56}			7 16.5 9.°38		5.°5/14.8 17	
6 10	20 12.12	−31 8.1	1.301	2.177	17.6	20.1
6 20	20 8.21	−31 53.6	1.240	2.178	13.7	19.8
6 30	20 0.94	−32 36.9	1.199	2.179	9.6	19.6
7 10	19 51.23	−33 10.5	1.179	2.181	6.1	19.4
7 20	19 40.48	−33 27.7	1.183	2.184	6.2	19.4
7 30	19 30.39	−33 25.1	1.210	2.188	9.6	19.6
8 9	19 22.50	−33 3.7	1.259	2.192	13.7	19.9
8 19	19 17.80	−32 27.5	1.327	2.196	17.5	20.1
498889 2008 YL_{133}			7 16.5 122.°89		1.°5/16.2 17	
6 10	20 17.13	−24 21.8	1.470	2.327	16.9	21.3
6 20	20 11.38	−24 27.4	1.405	2.335	13.0	21.0
6 30	20 2.65	−24 35.1	1.361	2.344	8.4	20.8
7 10	19 51.83	−24 40.9	1.341	2.352	3.5	20.5
7 20	19 40.19	−24 41.1	1.346	2.359	2.5	20.5
7 30	19 29.22	−24 33.6	1.377	2.367	7.2	20.8
8 9	19 20.26	−24 18.6	1.432	2.374	11.7	21.1
8 19	19 14.15	−23 57.7	1.509	2.380	15.6	21.3
319338 2006 BQ_{257}			7 16.5 306.°01		0.°2/16.5 16	
6 10	20 10.68	−21 24.3	1.658	2.515	15.3	21.2
6 20	20 6.33	−21 26.0	1.577	2.507	11.8	21.0
6 30	19 59.40	−21 32.4	1.516	2.499	7.7	20.7
7 10	19 50.57	−21 40.9	1.479	2.491	3.1	20.4
7 20	19 40.83	−21 48.5	1.468	2.483	1.7	20.3
7 30	19 31.41	−21 52.9	1.483	2.475	6.5	20.6
8 9	19 23.51	−21 52.8	1.523	2.468	10.9	20.9
8 19	19 17.99	−21 48.1	1.584	2.461	14.7	21.1
286760 2002 GS_{188}			7 16.5 31.°87		3.°1/15.1 18	
6 10	20 8.96	−28 15.6	2.052	2.907	12.9	20.6
6 20	20 4.55	−28 53.6	1.985	2.913	9.9	20.5
6 30	19 57.97	−29 31.7	1.940	2.919	6.6	20.3
7 10	19 49.91	−30 5.5	1.920	2.925	3.7	20.1
7 20	19 41.20	−30 31.1	1.926	2.931	3.6	20.1
7 30	19 32.88	−30 45.9	1.960	2.938	6.5	20.3
8 9	19 25.88	−30 49.4	2.019	2.945	9.7	20.5
8 19	19 20.90	−30 42.5	2.101	2.953	12.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
346792 2009 BG_{153}			7 16.5 260.°81		0.°4/16.4 18	
	h m	° ′			°	m
6 10	20 9.80	−21 0.0	1.982	2.830	13.6	21.5
6 20	20 5.27	−21 17.6	1.897	2.823	10.4	21.3
6 30	19 58.52	−21 40.4	1.835	2.816	6.7	21.1
7 10	19 50.17	−22 5.6	1.797	2.808	2.7	20.8
7 20	19 41.04	−22 30.0	1.787	2.801	1.6	20.7
7 30	19 32.16	−22 50.9	1.804	2.794	5.7	21.0
8 9	19 24.51	−23 6.4	1.846	2.787	9.6	21.2
8 19	19 18.88	−23 16.0	1.912	2.779	13.0	21.4
510343 2011 SO_{115}			7 16.5 290.°87		1.°3/15.9 18	
6 10	20 9.18	−23 4.1	1.974	2.826	13.4	21.2
6 20	20 4.85	−23 30.1	1.890	2.818	10.3	21.0
6 30	19 58.28	−24 0.3	1.828	2.810	6.7	20.8
7 10	19 50.08	−24 31.2	1.791	2.802	2.8	20.5
7 20	19 41.09	−24 59.2	1.781	2.794	2.1	20.4
7 30	19 32.33	−25 21.3	1.798	2.786	6.0	20.7
8 9	19 24.83	−25 35.7	1.840	2.778	9.8	20.9
8 19	19 19.36	−25 42.4	1.906	2.770	13.1	21.1
335779 2007 EW_{214}			7 16.5 338.°85		2.°4/15.7 16	
6 10	20 10.40	−25 15.2	1.472	2.340	16.3	21.0
6 20	20 6.48	−25 41.1	1.398	2.335	12.5	20.7
6 30	19 59.66	−26 10.4	1.345	2.330	8.2	20.5
7 10	19 50.71	−26 37.9	1.315	2.325	3.8	20.2
7 20	19 40.76	−26 58.9	1.310	2.321	3.3	20.1
7 30	19 31.22	−27 9.8	1.330	2.318	7.6	20.4
8 9	19 23.45	−27 9.5	1.372	2.315	12.0	20.6
8 19	19 18.40	−26 59.1	1.436	2.312	16.0	20.9
78644 2002 TA_{44}			7 16.5 51.°83		4.°8/14.6 18	
6 10	20 12.78	−28 45.0	1.414	2.283	16.8	18.5
6 20	20 8.40	−29 50.7	1.356	2.291	13.0	18.3
6 30	20 0.92	−30 57.7	1.319	2.299	8.8	18.1
7 10	19 51.21	−31 57.9	1.304	2.308	5.4	17.9
7 20	19 40.53	−32 44.1	1.315	2.317	5.5	18.0
7 30	19 30.44	−33 11.7	1.350	2.326	9.0	18.2
8 9	19 22.38	−33 20.3	1.407	2.335	12.9	18.4
8 19	19 17.26	−33 12.3	1.485	2.345	16.5	18.7
419684 2010 UZ			7 16.5 189.°77		3.°5/15.0 17	
6 10	20 16.00	−28 54.9	2.010	2.853	13.6	22.7
6 20	20 10.10	−29 39.8	1.931	2.852	10.5	22.5
6 30	20 1.70	−30 24.8	1.875	2.851	7.1	22.3
7 10	19 51.47	−31 4.6	1.845	2.848	4.1	22.1
7 20	19 40.39	−31 34.2	1.843	2.845	4.1	22.1
7 30	19 29.63	−31 50.5	1.868	2.842	7.1	22.2
8 9	19 20.34	−31 53.1	1.918	2.837	10.5	22.4
8 19	19 13.36	−31 43.6	1.992	2.832	13.7	22.6
393989 2005 UR_{413}			7 16.5 318.°18		2.°3/17.5 15	
6 10	20 6.20	−14 26.4	1.893	2.737	14.3	21.3
6 20	20 2.61	−14 23.9	1.802	2.721	11.2	21.0
6 30	19 56.88	−14 31.1	1.731	2.705	7.7	20.8
7 10	19 49.55	−14 47.1	1.685	2.690	4.0	20.5
7 20	19 41.39	−15 10.2	1.664	2.676	2.6	20.4
7 30	19 33.39	−15 37.7	1.670	2.661	5.9	20.6
8 9	19 26.54	−16 7.1	1.701	2.648	9.8	20.8
8 19	19 21.61	−16 35.7	1.754	2.634	13.3	21.0
67619 2000 SJ_{171}			7 16.5 104.°29		6.°0/19.3 18	
6 10	20 11.00	− 4 21.1	2.034	2.828	15.2	18.8
6 20	20 5.72	− 3 51.1	1.971	2.848	12.4	18.7
6 30	19 58.54	− 3 36.2	1.929	2.867	9.5	18.5
7 10	19 50.10	− 3 37.1	1.911	2.887	7.0	18.4
7 20	19 41.17	− 3 53.3	1.919	2.905	6.0	18.4
7 30	19 32.65	− 4 22.8	1.954	2.923	7.2	18.5
8 9	19 25.37	− 5 2.1	2.015	2.941	9.7	18.7
8 19	19 19.91	− 5 47.4	2.099	2.958	12.3	18.9
195599 2002 JA_{146}			7 16.5 79.°01		2.°4/15.8 17	
6 10	20 14.90	−26 49.4	1.759	2.611	14.8	20.2
6 20	20 9.14	−27 5.9	1.703	2.630	11.3	20.1
6 30	20 0.91	−27 22.2	1.670	2.650	7.4	19.9
7 10	19 51.07	−27 34.1	1.661	2.669	3.5	19.7
7 20	19 40.68	−27 38.4	1.679	2.689	3.0	19.7
7 30	19 30.96	−27 33.4	1.723	2.708	6.6	19.9
8 9	19 22.96	−27 19.4	1.793	2.727	10.3	20.2
8 19	19 17.37	−26 58.2	1.886	2.745	13.5	20.4
304560 2006 VO_{3}			7 16.5 157.°11		1.°0/15.9 18	
6 10	20 9.64	−23 23.9	2.815	3.648	10.4	22.4
6 20	20 4.42	−23 47.3	2.737	3.655	7.9	22.3
6 30	19 57.61	−24 12.8	2.684	3.662	5.1	22.1
7 10	19 49.72	−24 37.8	2.658	3.668	2.1	21.9
7 20	19 41.37	−25 0.1	2.661	3.674	1.6	21.9
7 30	19 33.26	−25 17.7	2.694	3.679	4.5	22.1
8 9	19 26.08	−25 29.6	2.754	3.684	7.3	22.3
8 19	19 20.36	−25 35.9	2.840	3.688	9.8	22.4

325048 2008 CM_{140} 7 16.5 22°.24 0°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.17	−20 32.8	1.273	2.146	18.1	20.4
6 20	20 6.42	−20 40.1	1.212	2.150	13.9	20.2
6 30	19 59.64	−20 55.1	1.169	2.155	9.0	19.9
7 10	19 50.70	−21 14.0	1.149	2.161	3.6	19.6
7 20	19 40.85	−21 32.9	1.152	2.167	1.9	19.5
7 30	19 31.59	−21 48.2	1.180	2.174	7.3	19.9
8 9	19 24.30	−21 57.9	1.230	2.182	12.2	20.2
8 19	19 19.88	−22 1.5	1.300	2.190	16.4	20.5

333640 2008 QB_{22} 7 16.5 8°.99 3°.0/17.1 17

6 10	20 4.25	−18 36.2	0.948	1.845	20.7	19.0
6 20	20 2.45	−17 39.4	0.898	1.847	16.1	18.8
6 30	19 57.28	−16 50.4	0.864	1.853	10.8	18.5
7 10	19 49.77	−16 10.1	0.850	1.860	5.3	18.2
7 20	19 41.37	−15 38.7	0.857	1.870	3.5	18.2
7 30	19 33.77	−15 15.8	0.885	1.882	8.3	18.5
8 9	19 28.43	−14 59.8	0.933	1.897	13.5	18.8
8 19	19 26.21	−14 49.0	0.998	1.913	18.0	19.1

445522 2010 XF_{58} 7 16.5 332°.51 3°.1/17.7 18

6 10	20 7.10	−12 58.0	2.111	2.942	13.4	20.5
6 20	20 2.95	−12 35.6	2.026	2.937	10.6	20.3
6 30	19 56.90	−12 21.7	1.964	2.932	7.4	20.1
7 10	19 49.51	−12 16.1	1.926	2.927	4.3	19.9
7 20	19 41.49	−12 18.1	1.915	2.922	3.2	19.9
7 30	19 33.70	−12 26.4	1.931	2.918	5.7	20.0
8 9	19 27.00	−12 39.2	1.972	2.914	9.0	20.2
8 19	19 22.03	−12 54.6	2.038	2.911	12.1	20.4

488691 2003 WN_{24} 7 16.5 181°.19 20°.6/ 4.2 18

6 10	20 37.36	−56 51.6	1.181	1.993	22.9	21.6
6 20	20 32.69	−60 19.3	1.148	1.994	21.5	21.5
6 30	20 20.19	−63 22.0	1.132	1.995	20.6	21.5
7 10	20 0.17	−65 37.4	1.134	1.995	20.7	21.5
7 20	19 35.56	−66 48.6	1.152	1.994	21.6	21.6
7 30	19 11.98	−66 51.2	1.185	1.993	23.1	21.7
8 9	18 54.67	−65 56.2	1.232	1.992	24.7	21.8
8 19	18 45.88	−64 21.3	1.289	1.989	26.4	21.9

75610 2000 AU_{34} 7 16.6 312°.75 4°.0/15.7 18

6 10	20 15.97	−32 12.1	1.724	2.577	15.0	19.0
6 20	20 10.45	−32 9.5	1.641	2.566	11.8	18.7
6 30	20 2.08	−32 1.1	1.579	2.555	8.1	18.5
7 10	19 51.66	−31 42.2	1.542	2.545	4.8	18.3
7 20	19 40.36	−31 9.7	1.530	2.535	4.5	18.2
7 30	19 29.56	−30 22.9	1.545	2.525	7.7	18.4
8 9	19 20.57	−29 24.3	1.585	2.516	11.6	18.6
8 19	19 14.27	−28 17.9	1.647	2.506	15.1	18.8

521464 2015 OW_{91} 7 16.6 348°.06 1°.9/17.6 18

6 10	20 6.49	−13 18.1	1.954	2.791	14.1	21.7
6 20	20 2.70	−13 47.7	1.873	2.789	11.0	21.5
6 30	19 56.85	−14 29.6	1.814	2.787	7.5	21.3
7 10	19 49.53	−15 21.6	1.779	2.786	3.7	21.0
7 20	19 41.48	−16 20.3	1.771	2.784	2.1	20.9
7 30	19 33.65	−17 21.6	1.791	2.783	5.5	21.1
8 9	19 26.96	−18 21.2	1.836	2.782	9.3	21.4
8 19	19 22.12	−19 16.2	1.905	2.781	12.6	21.6

38041 1998 RQ_{79} 7 16.6 8°.22 1°.2/17.1 18

6 10	20 5.73	−16 14.4	1.898	2.747	14.0	18.1
6 20	20 2.13	−16 33.4	1.824	2.748	10.8	17.9
6 30	19 56.48	−17 1.9	1.771	2.750	7.2	17.7
7 10	19 49.37	−17 37.4	1.743	2.752	3.2	17.4
7 20	19 41.59	−18 17.0	1.741	2.755	1.7	17.3
7 30	19 34.11	−18 57.1	1.765	2.758	5.5	17.6
8 9	19 27.83	−19 34.9	1.815	2.762	9.3	17.8
8 19	19 23.45	−20 8.2	1.888	2.767	12.6	18.0

178297 1993 FK_{31} 7 16.6 91°.22 2°.8/15.5 17

6 10	20 13.73	−25 46.4	1.552	2.412	16.0	20.3
6 20	20 8.77	−26 27.7	1.489	2.421	12.3	20.1
6 30	20 1.00	−27 11.7	1.448	2.430	8.0	19.9
7 10	19 51.23	−27 52.8	1.430	2.439	3.9	19.7
7 20	19 40.63	−28 25.4	1.439	2.448	3.6	19.7
7 30	19 30.58	−28 45.9	1.472	2.457	7.5	19.9
8 9	19 22.35	−28 53.5	1.530	2.465	11.6	20.2
8 19	19 16.80	−28 49.4	1.610	2.474	15.2	20.4

513479 2009 DK_{39} 7 16.6 258°.75 10°.6/10.6 18

6 10	20 31.21	−54 12.5	2.509	3.275	13.4	22.5
6 20	20 22.63	−55 19.1	2.419	3.248	12.1	22.4
6 30	20 10.32	−56 11.3	2.351	3.220	11.0	22.3
7 10	19 55.13	−56 40.3	2.306	3.191	10.6	22.2
7 20	19 38.53	−56 39.3	2.284	3.162	10.9	22.2
7 30	19 22.44	−56 5.9	2.287	3.132	12.1	22.2
8 9	19 8.66	−55 2.7	2.312	3.101	13.7	22.3
8 19	18 58.39	−53 36.2	2.357	3.069	15.4	22.3

309209 2007 HN_{15} 7 16.6 187°.31 0°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.50	−20 44.2	2.503	3.343	11.3	20.5
6 20	20 3.07	−21 23.1	2.421	3.343	8.6	20.3
6 30	19 56.91	−22 7.3	2.363	3.342	5.6	20.1
7 10	19 49.52	−22 53.6	2.331	3.342	2.2	19.9
7 20	19 41.54	−23 38.9	2.328	3.341	1.5	19.9
7 30	19 33.75	−24 20.3	2.353	3.340	4.8	20.1
8 9	19 26.90	−24 55.6	2.405	3.340	7.9	20.3
8 19	19 21.60	−25 23.8	2.482	3.339	10.7	20.5

435189 2007 RN_{68} 7 16.6 322°.73 2°.1/17.4 18

6 10	20 6.61	−14 36.2	1.599	2.452	16.0	20.9
6 20	20 3.32	−14 47.1	1.514	2.439	12.6	20.7
6 30	19 57.56	−15 10.5	1.449	2.426	8.5	20.4
7 10	19 49.92	−15 44.8	1.407	2.414	4.2	20.1
7 20	19 41.30	−16 27.0	1.389	2.403	2.5	20.0
7 30	19 32.86	−17 13.1	1.398	2.391	6.5	20.2
8 9	19 25.80	−17 58.8	1.430	2.381	10.9	20.4
8 19	19 21.00	−18 41.0	1.484	2.371	14.9	20.7

284291 2006 KE_{84} 7 16.6 2°.94 3°.8/14.7 16

6 10	20 7.65	−25 32.5	1.472	2.345	16.0	20.3
6 20	20 4.44	−26 47.1	1.405	2.344	12.3	20.0
6 30	19 58.41	−28 7.6	1.360	2.344	8.1	19.8
7 10	19 50.28	−29 26.8	1.338	2.345	4.4	19.6
7 20	19 41.12	−30 36.9	1.340	2.346	4.6	19.6
7 30	19 32.33	−31 31.8	1.368	2.349	8.4	19.8
8 9	19 25.24	−32 8.8	1.418	2.352	12.4	20.1
8 19	19 20.80	−32 28.3	1.489	2.355	16.1	20.3

377746 2005 XV_{81} 7 16.6 171°.31 0°.2/16.5 17

6 10	20 12.51	−20 35.5	2.146	2.984	13.0	22.8
6 20	20 7.08	−20 50.7	2.067	2.987	10.0	22.6
6 30	19 59.57	−21 10.6	2.012	2.990	6.5	22.4
7 10	19 50.60	−21 32.5	1.982	2.992	2.6	22.1
7 20	19 40.98	−21 53.5	1.980	2.994	1.4	22.1
7 30	19 31.67	−22 11.3	2.006	2.995	5.3	22.3
8 9	19 23.59	−22 24.5	2.059	2.996	8.9	22.6
8 19	19 17.42	−22 32.5	2.136	2.996	12.1	22.8

169477 2002 CM_{121} 7 16.6 17°.97 7°.9/22.9 18

6 10	20 3.87	+ 4 39.0	1.382	2.179	20.9	17.8
6 20	20 1.18	+ 3 34.7	1.323	2.194	17.7	17.6
6 30	19 56.06	+ 1 54.3	1.281	2.211	14.0	17.5
7 10	19 49.24	− 0 20.9	1.259	2.230	10.3	17.3
7 20	19 41.70	− 3 4.4	1.262	2.250	8.0	17.2
7 30	19 34.62	− 6 4.7	1.290	2.272	8.7	17.3
8 9	19 29.08	− 9 8.2	1.345	2.295	11.6	17.6
8 19	19 25.82	−12 2.8	1.424	2.319	14.9	17.8

44730 1999 TY_{17} 7 16.6 287°.93 3°.3/15.3 18

6 10	20 12.15	−25 54.1	1.491	2.356	16.3	19.0
6 20	20 8.17	−26 38.2	1.400	2.335	12.7	18.7
6 30	20 1.06	−27 27.6	1.331	2.314	8.5	18.4
7 10	19 51.46	−28 16.2	1.284	2.292	4.3	18.1
7 20	19 40.44	−28 57.3	1.262	2.271	4.1	18.1
7 30	19 29.52	−29 25.6	1.265	2.249	8.4	18.3
8 9	19 20.27	−29 38.7	1.291	2.228	13.1	18.5
8 19	19 13.87	−29 37.5	1.337	2.206	17.4	18.7

117292 2004 TP_{287} 7 16.6 316°.50 3°.0/17.6 18

6 10	20 8.77	−14 3.2	1.626	2.473	16.1	19.3
6 20	20 4.85	−13 48.4	1.544	2.465	12.7	19.1
6 30	19 58.47	−13 44.2	1.483	2.457	8.7	18.8
7 10	19 50.26	−13 50.1	1.445	2.449	4.7	18.5
7 20	19 41.16	−14 4.5	1.431	2.442	3.2	18.4
7 30	19 32.33	−14 24.9	1.444	2.435	6.7	18.6
8 9	19 24.91	−14 48.7	1.480	2.428	10.9	18.9
8 19	19 19.75	−15 13.1	1.539	2.422	14.7	19.1

513569 2010 UU_{108} 7 16.6 228°.70 2°.1/15.4 18

6 10	20 9.27	−27 20.4	2.785	3.623	10.3	22.1
6 20	20 4.33	−27 47.8	2.694	3.614	7.9	21.9
6 30	19 57.69	−28 15.5	2.628	3.605	5.3	21.7
7 10	19 49.84	−28 40.6	2.589	3.595	2.7	21.5
7 20	19 41.40	−29 0.2	2.579	3.586	2.6	21.5
7 30	19 33.14	−29 12.6	2.597	3.575	5.1	21.7
8 9	19 25.79	−29 16.9	2.642	3.565	7.8	21.8
8 19	19 19.96	−29 13.4	2.712	3.554	10.4	22.0

412441 2014 FF_{37} 7 16.6 119°.52 0°.6/16.9 18

6 10	20 9.51	−17 51.3	2.366	3.199	12.1	21.8
6 20	20 4.52	−18 6.8	2.295	3.212	9.3	21.7
6 30	19 57.78	−18 28.2	2.248	3.224	6.1	21.5
7 10	19 49.84	−18 53.5	2.226	3.236	2.6	21.3
7 20	19 41.42	−19 20.2	2.233	3.248	1.3	21.2
7 30	19 33.32	−19 46.1	2.269	3.259	4.7	21.4
8 9	19 26.28	−20 9.3	2.331	3.270	7.9	21.7
8 19	19 20.89	−20 28.8	2.418	3.281	10.8	21.9

428561 2008 CJ_{132} 7 16.6 186.°66 1.°0/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.92	−22 38.4	1.651	2.504	15.6	21.9
6 20	20 8.80	−22 53.3	1.576	2.504	12.0	21.7
6 30	20 1.01	−23 12.7	1.522	2.504	7.7	21.5
7 10	19 51.28	−23 32.6	1.493	2.503	3.2	21.2
7 20	19 40.66	−23 49.4	1.489	2.503	2.1	21.1
7 30	19 30.46	−24 0.0	1.512	2.502	6.6	21.4
8 9	19 21.89	−24 3.4	1.560	2.500	11.0	21.6
8 19	19 15.83	−24 0.0	1.629	2.499	14.8	21.9

378258 2007 DW_{51} 7 16.6 49.°45 3.°2/17.7 17

6 10	20 10.11	−13 24.8	1.517	2.364	17.0	21.2
6 20	20 5.82	−13 10.7	1.452	2.372	13.3	21.0
6 30	19 59.01	−13 8.6	1.407	2.381	9.2	20.7
7 10	19 50.45	−13 17.8	1.386	2.390	5.0	20.5
7 20	19 41.14	−13 36.2	1.389	2.399	3.4	20.4
7 30	19 32.32	−14 0.9	1.417	2.409	6.8	20.7
8 9	19 25.11	−14 28.7	1.470	2.418	10.9	20.9
8 19	19 20.28	−14 56.7	1.544	2.428	14.6	21.2

302425 2002 CP_{282} 7 16.6 82.°18 0.°8/16.9 18

6 10	20 8.03	−17 31.5	2.209	3.048	12.7	21.1
6 20	20 3.56	−17 47.5	2.137	3.056	9.7	20.9
6 30	19 57.25	−18 10.2	2.087	3.064	6.4	20.7
7 10	19 49.67	−18 37.6	2.062	3.072	2.7	20.5
7 20	19 41.55	−19 7.0	2.066	3.080	1.4	20.4
7 30	19 33.72	−19 36.0	2.097	3.088	4.9	20.7
8 9	19 27.00	−20 2.4	2.154	3.096	8.3	20.9
8 19	19 22.00	−20 24.9	2.236	3.104	11.3	21.1

216956 1999 XN_{72} 7 16.6 278.°76 3.°1/17.7 18

6 10	20 8.20	−12 27.2	2.436	3.256	12.2	19.8
6 20	20 3.67	−12 2.3	2.333	3.235	9.7	19.6
6 30	19 57.37	−11 44.6	2.252	3.215	6.9	19.4
7 10	19 49.76	−11 34.2	2.196	3.195	4.1	19.2
7 20	19 41.47	−11 30.7	2.168	3.174	3.2	19.1
7 30	19 33.28	−11 33.4	2.169	3.153	5.4	19.2
8 9	19 25.97	−11 40.8	2.195	3.132	8.5	19.4
8 19	19 20.18	−11 51.5	2.247	3.111	11.4	19.5

96410 1998 ER_{12} 7 16.6 125.°34 0.°5/16.8 18

6 10	20 14.10	−18 5.4	1.672	2.516	15.8	20.1
6 20	20 8.72	−18 28.9	1.606	2.529	12.1	19.9
6 30	20 0.83	−19 1.1	1.562	2.541	7.9	19.7
7 10	19 51.17	−19 38.4	1.543	2.553	3.3	19.4
7 20	19 40.77	−20 16.9	1.549	2.564	1.6	19.3
7 30	19 30.85	−20 52.7	1.583	2.575	6.2	19.6
8 9	19 22.54	−21 23.2	1.643	2.585	10.4	19.9
8 19	19 16.62	−21 47.2	1.725	2.595	14.0	20.2

445266 2009 SY_{161} 7 16.6 344.°51 6.°2/19.7 18

6 10	20 4.33	− 3 25.9	1.998	2.803	15.0	20.2
6 20	20 0.97	− 3 6.2	1.915	2.797	12.5	20.0
6 30	19 55.71	− 3 2.8	1.852	2.792	9.8	19.8
7 10	19 49.10	− 3 17.1	1.811	2.787	7.3	19.6
7 20	19 41.83	− 3 48.4	1.796	2.782	6.2	19.6
7 30	19 34.75	− 4 34.8	1.806	2.778	7.4	19.6
8 9	19 28.71	− 5 32.1	1.840	2.775	10.0	19.8
8 19	19 24.38	− 6 35.9	1.898	2.772	12.8	20.0

287523 2003 CX_{10} 7 16.6 103.°46 3.°7/16.5 18

6 10	20 29.77	−32 14.5	1.108	1.968	21.0	19.8
6 20	20 21.93	−31 32.0	1.047	1.976	16.5	19.6
6 30	20 9.82	−30 38.1	1.004	1.984	11.1	19.3
7 10	19 54.81	−29 27.3	0.984	1.991	5.6	19.0
7 20	19 38.96	−27 58.3	0.988	1.998	4.3	19.0
7 30	19 24.57	−26 15.6	1.017	2.006	9.3	19.3
8 9	19 13.44	−24 27.6	1.070	2.013	14.6	19.6
8 19	19 6.46	−22 42.4	1.142	2.019	19.2	19.9

471876 2013 AF_{59} 7 16.6 249.°87 2.°7/18.1 18

6 10	20 7.63	−11 10.9	2.270	3.090	13.0	21.3
6 20	20 3.35	−11 27.6	2.175	3.080	10.3	21.1
6 30	19 57.22	−11 55.8	2.103	3.068	7.2	20.9
7 10	19 49.72	−12 34.6	2.056	3.057	4.1	20.7
7 20	19 41.51	−13 21.6	2.036	3.045	2.8	20.6
7 30	19 33.41	−14 13.8	2.045	3.033	5.3	20.7
8 9	19 26.26	−15 7.9	2.080	3.021	8.6	20.9
8 19	19 20.72	−16 0.7	2.140	3.009	11.7	21.1

63198 2000 YY_{122} 7 16.6 275.°23 1.°8/17.6 18

6 10	20 6.70	−13 38.6	2.266	3.096	12.7	19.2
6 20	20 2.65	−14 2.5	2.175	3.087	9.9	19.0
6 30	19 56.77	−14 36.7	2.106	3.078	6.7	18.8
7 10	19 49.53	−15 19.5	2.063	3.069	3.4	18.5
7 20	19 41.62	−16 8.3	2.047	3.059	2.0	18.4
7 30	19 33.84	−16 59.7	2.059	3.050	5.0	18.6
8 9	19 27.01	−17 50.6	2.098	3.041	8.5	18.8
8 19	19 21.80	−18 38.3	2.162	3.032	11.6	19.0

115276 2003 SY_{183} 7 16.6 147.°08 4.°3/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.56	− 9 29.3	1.755	2.576	16.1	20.2
6 20	20 7.40	− 9 18.2	1.682	2.584	12.9	20.0
6 30	19 59.93	− 9 21.0	1.630	2.591	9.3	19.8
7 10	19 50.82	− 9 37.5	1.602	2.598	5.8	19.7
7 20	19 40.99	−10 6.0	1.600	2.604	4.4	19.6
7 30	19 31.53	−10 43.5	1.625	2.610	6.8	19.7
8 9	19 23.47	−11 26.4	1.675	2.615	10.4	20.0
8 19	19 17.59	−12 10.9	1.748	2.620	13.8	20.2

164878 1999 VA_{14} 7 16.6 208.°65 20.°5/ 5.8 18

6 10	20 38.14	−59 24.3	1.236	2.034	22.8	20.0
6 20	20 33.10	−62 14.4	1.199	2.032	21.5	19.9
6 30	20 20.15	−64 37.9	1.178	2.030	20.7	19.8
7 10	20 0.01	−66 15.0	1.173	2.027	20.6	19.8
7 20	19 36.05	−66 50.5	1.184	2.024	21.3	19.8
7 30	19 13.82	−66 21.1	1.211	2.021	22.5	19.9
8 9	18 57.97	−64 57.7	1.251	2.018	24.1	20.0
8 19	18 50.25	−62 56.8	1.303	2.014	25.7	20.2

163092 2002 AR_{81} 7 16.6 210.°17 2.°9/17.8 17

6 10	20 12.37	−12 30.5	1.631	2.467	16.5	20.5
6 20	20 7.64	−12 41.0	1.549	2.463	13.1	20.3
6 30	20 0.33	−13 5.6	1.487	2.459	9.0	20.0
7 10	19 51.08	−13 42.7	1.449	2.453	4.8	19.8
7 20	19 40.84	−14 29.2	1.437	2.448	3.1	19.6
7 30	19 30.84	−15 20.9	1.451	2.442	6.7	19.9
8 9	19 22.29	−16 13.3	1.489	2.435	11.0	20.1
8 19	19 16.10	−17 3.0	1.551	2.428	15.0	20.3

496498 2014 UJ_{49} 7 16.6 349.°07 4.°3/17.4 17

6 10	20 9.67	−15 25.7	1.100	1.974	20.2	20.6
6 20	20 6.48	−14 31.3	1.033	1.968	16.0	20.3
6 30	19 59.98	−13 46.6	0.983	1.964	11.1	20.0
7 10	19 51.02	−13 12.9	0.954	1.960	6.2	19.7
7 20	19 40.90	−12 50.7	0.946	1.956	4.6	19.6
7 30	19 31.30	−12 39.5	0.961	1.954	8.7	19.9
8 9	19 23.79	−12 37.1	0.997	1.953	13.8	20.1
8 19	19 19.40	−12 41.0	1.051	1.953	18.4	20.4

506615 2006 DX_{74} 7 16.6 205.°65 1.°3/16.0 17

6 10	20 12.64	−23 35.1	2.150	2.992	12.9	22.5
6 20	20 7.33	−23 58.9	2.065	2.988	9.9	22.3
6 30	19 59.85	−24 25.7	2.003	2.983	6.4	22.1
7 10	19 50.81	−24 52.3	1.967	2.977	2.7	21.8
7 20	19 41.02	−25 15.3	1.959	2.971	2.1	21.8
7 30	19 31.47	−25 32.0	1.979	2.965	5.7	22.0
8 9	19 23.15	−25 41.3	2.025	2.958	9.3	22.2
8 19	19 16.79	−25 43.2	2.095	2.951	12.5	22.4

123121 2000 TA_{3} 7 16.6 4.°54 1.°5/17.1 18

6 10	20 8.17	−16 58.8	1.384	2.249	17.3	19.6
6 20	20 4.73	−17 0.0	1.316	2.248	13.5	19.3
6 30	19 58.54	−17 11.6	1.267	2.249	8.9	19.1
7 10	19 50.35	−17 31.7	1.240	2.250	4.1	18.8
7 20	19 41.26	−17 56.9	1.237	2.251	2.2	18.7
7 30	19 32.60	−18 23.7	1.259	2.254	6.9	19.0
8 9	19 25.64	−18 48.9	1.304	2.257	11.6	19.3
8 19	19 21.26	−19 10.4	1.369	2.260	15.7	19.5

502161 2015 BV_{53} 7 16.6 190.°01 1.°2/17.2 17 R

6 10	20 12.73	−15 49.5	2.004	2.835	14.1	22.6
6 20	20 7.45	−16 10.7	1.920	2.835	10.9	22.4
6 30	19 59.98	−16 41.4	1.859	2.833	7.3	22.1
7 10	19 50.89	−17 19.1	1.822	2.831	3.3	21.9
7 20	19 41.01	−18 0.6	1.814	2.828	1.7	21.8
7 30	19 31.36	−18 42.5	1.833	2.824	5.6	22.0
8 9	19 22.95	−19 21.8	1.879	2.820	9.5	22.2
8 19	19 16.52	−19 56.5	1.949	2.814	12.9	22.5

487692 2015 PN_{299} 7 16.6 299.°95 9.°6/12.8 17

6 10	20 21.24	−49 4.0	2.189	2.994	13.9	21.5
6 20	20 14.69	−49 50.1	2.109	2.977	12.1	21.3
6 30	20 4.97	−50 22.5	2.051	2.961	10.5	21.2
7 10	19 52.95	−50 33.4	2.015	2.945	9.7	21.1
7 20	19 39.96	−50 17.6	2.003	2.928	9.9	21.1
7 30	19 27.60	−49 33.6	2.015	2.912	11.3	21.1
8 9	19 17.32	−48 24.4	2.051	2.897	13.2	21.2
8 19	19 10.04	−46 55.8	2.107	2.881	15.2	21.4

399823 2005 SR_{292} 7 16.6 278.°70 1.°4/15.9 18

6 10	20 9.05	−24 1.5	2.232	3.079	12.3	21.3
6 20	20 4.57	−24 23.6	2.143	3.068	9.4	21.1
6 30	19 58.08	−24 48.4	2.077	3.057	6.1	20.9
7 10	19 50.12	−25 12.9	2.037	3.047	2.7	20.6
7 20	19 41.44	−25 34.1	2.024	3.036	2.1	20.6
7 30	19 32.96	−25 49.5	2.039	3.025	5.5	20.8
8 9	19 25.58	−25 57.8	2.080	3.015	9.0	21.0
8 19	19 20.02	−25 59.0	2.144	3.004	12.1	21.2

221871 2008 GK_{127} 7 16.6 308.°40 1.°6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.14	−13 52.1	2.198	3.032	12.9	20.1
6 20	20 2.30	−14 21.9	2.110	3.024	10.1	19.9
6 30	19 56.59	−15 2.5	2.043	3.017	6.8	19.7
7 10	19 49.52	−15 51.9	2.003	3.009	3.3	19.4
7 20	19 41.76	−16 47.1	1.989	3.002	1.9	19.3
7 30	19 34.14	−17 44.4	2.003	2.995	5.1	19.5
8 9	19 27.51	−18 40.3	2.044	2.988	8.6	19.7
8 19	19 22.53	−19 32.1	2.109	2.981	11.7	19.9

389162 2009 BS_{59} 7 16.6 162.°99 1.°3/17.1 16

6 10	20 10.10	−17 3.9	2.062	2.899	13.5	22.1
6 20	20 5.32	−17 5.0	1.983	2.901	10.4	21.9
6 30	19 58.51	−17 13.0	1.926	2.902	6.9	21.7
7 10	19 50.28	−17 26.2	1.895	2.904	3.2	21.4
7 20	19 41.40	−17 42.6	1.891	2.905	1.7	21.3
7 30	19 32.82	−18 0.0	1.915	2.906	5.3	21.6
8 9	19 25.43	−18 16.5	1.965	2.907	9.0	21.8
8 19	19 19.92	−18 30.8	2.038	2.908	12.2	22.0

268866 2006 YY_{34} 7 16.6 210.°79 1.°9/15.8 17

6 10	20 13.81	−24 26.4	1.934	2.780	13.9	22.1
6 20	20 8.52	−24 56.9	1.850	2.775	10.7	21.9
6 30	20 0.79	−25 30.7	1.789	2.769	7.0	21.7
7 10	19 51.27	−26 3.7	1.753	2.763	3.1	21.4
7 20	19 40.87	−26 31.5	1.745	2.756	2.6	21.4
7 30	19 30.74	−26 51.1	1.764	2.749	6.4	21.6
8 9	19 21.99	−27 1.2	1.809	2.741	10.2	21.8
8 19	19 15.46	−27 2.1	1.876	2.733	13.7	22.0

118413 1999 SP_{1} 7 16.6 219.°55 5.°1/19.4 18

6 10	20 6.57	− 3 9.7	2.873	3.649	11.6	20.9
6 20	20 2.10	− 2 46.3	2.778	3.641	9.7	20.8
6 30	19 56.21	− 2 34.2	2.705	3.633	7.6	20.6
7 10	19 49.30	− 2 34.2	2.657	3.624	5.8	20.5
7 20	19 41.90	− 2 46.4	2.637	3.615	5.1	20.4
7 30	19 34.62	− 3 9.6	2.644	3.606	6.0	20.5
8 9	19 28.06	− 3 41.9	2.677	3.596	7.9	20.6
8 19	19 22.75	− 4 20.7	2.736	3.586	10.1	20.7

164710 1998 FW_{24} 7 16.6 108.°51 3.°3/17.9 17

6 10	20 14.44	−11 46.4	1.682	2.510	16.4	20.9
6 20	20 8.80	−11 44.0	1.623	2.531	12.9	20.7
6 30	20 0.79	−11 54.5	1.584	2.551	9.0	20.5
7 10	19 51.19	−12 16.4	1.569	2.570	5.0	20.3
7 20	19 40.98	−12 47.3	1.580	2.589	3.5	20.3
7 30	19 31.31	−13 23.7	1.618	2.607	6.4	20.5
8 9	19 23.22	−14 2.2	1.682	2.624	10.2	20.8
8 19	19 17.42	−14 39.8	1.769	2.641	13.6	21.0

479175 2013 CO_{45} 7 16.6 49.°04 3.°7/15.2 18

6 10	20 12.31	−31 20.4	2.119	2.967	12.8	20.7
6 20	20 7.10	−31 40.8	2.048	2.971	9.9	20.6
6 30	19 59.68	−31 58.2	2.000	2.975	6.8	20.4
7 10	19 50.74	−32 8.3	1.978	2.979	4.2	20.2
7 20	19 41.20	−32 8.1	1.982	2.983	4.1	20.2
7 30	19 32.09	−31 56.1	2.013	2.987	6.7	20.4
8 9	19 24.40	−31 32.9	2.070	2.992	9.7	20.6
8 19	19 18.80	−31 0.5	2.149	2.996	12.5	20.8

509489 2007 TP_{267} 7 16.6 210.°15 5.°5/13.5 18

6 10	20 14.83	−37 12.0	2.539	3.369	11.5	23.1
6 20	20 9.01	−38 7.3	2.458	3.363	9.2	22.9
6 30	20 0.98	−38 57.7	2.401	3.356	7.0	22.8
7 10	19 51.32	−39 38.0	2.370	3.348	5.6	22.7
7 20	19 40.88	−40 3.9	2.366	3.341	5.9	22.7
7 30	19 30.69	−40 12.9	2.390	3.332	7.7	22.8
8 9	19 21.74	−40 5.2	2.439	3.323	10.0	22.9
8 19	19 14.80	−39 43.1	2.511	3.314	12.3	23.0

331558 2001 BJ_{6} 7 16.6 314.°89 5.°4/16.8 18

6 10	20 13.02	−14 50.5	1.446	2.295	17.6	18.5
6 20	20 8.81	−13 21.6	1.340	2.260	14.3	18.2
6 30	20 1.55	−11 53.6	1.254	2.225	10.3	17.9
7 10	19 51.80	−10 29.1	1.191	2.190	6.6	17.6
7 20	19 40.55	− 9 11.5	1.152	2.156	5.7	17.4
7 30	19 29.24	− 8 4.5	1.138	2.122	9.2	17.5
8 9	19 19.39	− 7 10.4	1.148	2.089	14.0	17.7
8 19	19 12.23	− 6 29.9	1.178	2.057	18.5	17.9

204366 2004 TK_{44} 7 16.6 16.°34 10.°0/20.1 17

6 10	20 6.93	− 1 7.3	1.400	2.216	19.7	19.7
6 20	20 3.58	+ 0 6.6	1.337	2.220	16.8	19.6
6 30	19 57.71	+ 0 59.0	1.292	2.225	13.7	19.4
7 10	19 50.04	+ 1 25.8	1.268	2.231	11.1	19.2
7 20	19 41.58	+ 1 24.8	1.264	2.238	10.0	19.2
7 30	19 33.53	+ 0 57.6	1.284	2.245	11.0	19.3
8 9	19 27.05	+ 0 9.2	1.324	2.253	13.5	19.5
8 19	19 22.93	− 0 53.6	1.385	2.262	16.4	19.7

212991 Garcíalorca 7 16.6 182.°53 3.°7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.53	−10 54.8	1.517	2.355	17.5	20.6
6 20	20 7.12	−10 59.1	1.442	2.355	13.9	20.3
6 30	20 0.05	−11 19.3	1.386	2.355	9.8	20.1
7 10	19 51.03	−11 54.5	1.354	2.355	5.6	19.9
7 20	19 41.05	−12 41.7	1.346	2.355	3.9	19.8
7 30	19 31.41	−13 36.4	1.364	2.354	7.1	20.0
8 9	19 23.31	−14 33.8	1.406	2.353	11.4	20.2
8 19	19 17.66	−15 29.4	1.470	2.352	15.3	20.4

14862 1990 EQ_{2} 7 16.6 182.°78 1.°7/17.1 18

6 10	20 14.87	−16 56.8	1.537	2.383	16.9	18.7
6 20	20 9.67	−16 51.1	1.462	2.384	13.1	18.5
6 30	20 1.70	−16 54.3	1.407	2.384	8.8	18.2
7 10	19 51.69	−17 4.5	1.375	2.384	4.0	17.9
7 20	19 40.75	−17 19.1	1.370	2.383	2.3	17.8
7 30	19 30.22	−17 35.3	1.390	2.382	6.8	18.1
8 9	19 21.37	−17 50.8	1.435	2.381	11.3	18.4
8 19	19 15.11	−18 4.2	1.502	2.379	15.4	18.6

395256 2010 PW_{61} 7 16.6 35.°06 4.°0/15.3 17

6 10	20 12.40	−31 29.2	1.892	2.745	13.9	20.8
6 20	20 7.39	−31 51.0	1.827	2.752	10.8	20.6
6 30	19 59.97	−32 9.3	1.784	2.759	7.4	20.4
7 10	19 50.91	−32 19.7	1.766	2.767	4.6	20.2
7 20	19 41.21	−32 18.6	1.774	2.775	4.5	20.3
7 30	19 32.04	−32 4.5	1.808	2.784	7.2	20.4
8 9	19 24.46	−31 38.4	1.867	2.792	10.4	20.7
8 19	19 19.19	−31 2.7	1.949	2.801	13.4	20.9

472072 2013 YJ_{90} 7 16.6 251.°03 1.°4/16.2 18

6 10	20 15.69	−26 1.0	1.966	2.810	13.8	21.3
6 20	20 9.89	−25 51.0	1.876	2.799	10.7	21.1
6 30	20 1.65	−25 40.2	1.808	2.787	7.0	20.8
7 10	19 51.64	−25 25.6	1.766	2.776	3.1	20.6
7 20	19 40.80	−25 5.0	1.751	2.764	2.2	20.5
7 30	19 30.29	−24 37.4	1.764	2.751	6.1	20.7
8 9	19 21.22	−24 3.7	1.803	2.739	10.1	20.9
8 19	19 14.41	−23 25.6	1.866	2.726	13.6	21.1

316068 2009 HO_{94} 7 16.6 129.°89 3.°3/17.9 17

6 10	20 15.15	−12 10.9	1.845	2.666	15.5	21.6
6 20	20 9.20	−11 58.9	1.778	2.683	12.2	21.4
6 30	20 1.02	−11 57.8	1.734	2.699	8.5	21.2
7 10	19 51.32	−12 6.8	1.714	2.714	4.8	21.0
7 20	19 41.01	−12 24.1	1.720	2.728	3.4	21.0
7 30	19 31.18	−12 47.4	1.755	2.742	6.2	21.2
8 9	19 22.80	−13 13.8	1.816	2.755	9.8	21.4
8 19	19 16.56	−13 41.0	1.900	2.767	13.1	21.7

471091 2010 AT_{27} 7 16.6 148.°32 1.°3/17.3 17

6 10	20 11.04	−15 1.9	2.401	3.222	12.3	22.3
6 20	20 5.73	−15 24.9	2.325	3.233	9.5	22.1
6 30	19 58.66	−15 56.0	2.272	3.243	6.3	21.9
7 10	19 50.35	−16 33.1	2.246	3.253	3.0	21.7
7 20	19 41.51	−17 13.6	2.248	3.262	1.6	21.6
7 30	19 32.93	−17 54.7	2.280	3.270	4.7	21.9
8 9	19 25.39	−18 33.8	2.339	3.278	8.0	22.1
8 19	19 19.48	−19 9.3	2.424	3.285	10.8	22.3

267750 2003 HL_{22} 7 16.6 107.°29 5.°3/14.6 17

6 10	20 15.39	−32 49.4	1.726	2.580	15.0	20.4
6 20	20 10.07	−33 37.7	1.662	2.585	11.8	20.2
6 30	20 1.93	−34 22.6	1.619	2.591	8.4	20.0
7 10	19 51.78	−34 57.4	1.600	2.596	5.7	19.8
7 20	19 40.79	−35 16.7	1.607	2.601	5.8	19.9
7 30	19 30.34	−35 17.9	1.639	2.606	8.6	20.0
8 9	19 21.71	−35 1.8	1.696	2.611	11.9	20.3
8 19	19 15.74	−34 31.6	1.773	2.616	14.9	20.5

512000 2015 KJ_{146} 7 16.6 58.°34 6.°5/19.9 18

6 10	20 7.35	− 2 44.3	1.886	2.686	16.0	21.4
6 20	20 3.34	− 2 27.2	1.813	2.692	13.3	21.2
6 30	19 57.31	− 2 28.0	1.760	2.697	10.4	21.0
7 10	19 49.86	− 2 47.9	1.729	2.703	7.7	20.9
7 20	19 41.77	− 3 26.0	1.723	2.709	6.5	20.8
7 30	19 33.97	− 4 19.4	1.743	2.715	7.7	20.9
8 9	19 27.35	− 5 23.5	1.788	2.721	10.3	21.1
8 19	19 22.59	− 6 33.2	1.855	2.727	13.1	21.3

474482 2003 SP_{321} 7 16.6 264.°38 0.°7/16.3 18

6 10	20 10.25	−21 11.2	1.924	2.772	13.9	21.5
6 20	20 5.82	−21 36.6	1.837	2.763	10.7	21.3
6 30	19 59.09	−22 7.9	1.772	2.753	6.9	21.1
7 10	19 50.65	−22 41.9	1.733	2.744	2.8	20.8
7 20	19 41.35	−23 14.9	1.720	2.734	1.7	20.7
7 30	19 32.25	−23 43.4	1.734	2.724	5.9	20.9
8 9	19 24.41	−24 5.4	1.774	2.714	9.9	21.2
8 19	19 18.64	−24 20.1	1.836	2.704	13.4	21.4

218346 2004 FN_4 7 16.6 17°.95 4°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.66	−29 29.0	1.216	2.095	18.3	19.7
6 20	20 8.71	−29 47.9	1.159	2.099	14.2	19.4
6 30	20 1.37	−30 4.8	1.121	2.105	9.6	19.2
7 10	19 51.62	−30 13.2	1.104	2.111	5.3	19.0
7 20	19 40.92	−30 8.3	1.110	2.118	4.9	19.0
7 30	19 31.02	−29 48.0	1.139	2.126	8.9	19.2
8 9	19 23.42	−29 14.0	1.191	2.134	13.4	19.5
8 19	19 19.03	−28 30.1	1.262	2.144	17.4	19.8

255595 2006 OB_{15} 7 16.6 336°.06 3°.9/15.1 18

6 10	20 7.26	−24 58.5	1.136	2.025	18.6	20.2
6 20	20 5.05	−25 59.6	1.065	2.013	14.4	19.9
6 30	19 59.39	−27 9.3	1.013	2.001	9.6	19.6
7 10	19 50.99	−28 19.8	0.982	1.991	4.9	19.3
7 20	19 41.14	−29 22.0	0.972	1.982	4.9	19.2
7 30	19 31.62	−30 8.4	0.986	1.973	9.6	19.5
8 9	19 24.19	−30 35.5	1.020	1.966	14.7	19.7
8 19	19 20.08	−30 43.8	1.072	1.960	19.2	20.0

398197 2010 MR_{31} 7 16.6 331°.76 4°.8/18.3 15

6 10	20 6.59	− 9 32.8	1.865	2.694	15.0	21.3
6 20	20 2.91	− 9 0.3	1.779	2.684	12.2	21.1
6 30	19 57.14	− 8 39.4	1.715	2.675	8.9	20.9
7 10	19 49.84	− 8 31.1	1.673	2.666	5.9	20.7
7 20	19 41.79	− 8 35.3	1.657	2.658	4.8	20.6
7 30	19 33.94	− 8 50.6	1.666	2.650	6.9	20.7
8 9	19 27.26	− 9 14.5	1.700	2.642	10.2	20.9
8 19	19 22.47	− 9 43.8	1.757	2.635	13.4	21.1

307907 2004 CW_{79} 7 16.6 130°.96 3°.0/15.5 17

6 10	20 15.21	−26 53.4	1.706	2.559	15.1	20.5
6 20	20 9.79	−27 29.4	1.640	2.567	11.6	20.3
6 30	20 1.68	−28 6.6	1.595	2.574	7.7	20.1
7 10	19 51.68	−28 39.7	1.574	2.582	3.9	19.9
7 20	19 40.87	−29 4.0	1.580	2.589	3.6	19.9
7 30	19 30.57	−29 16.3	1.613	2.595	7.2	20.1
8 9	19 21.98	−29 16.2	1.670	2.601	11.1	20.4
8 19	19 15.92	−29 5.4	1.750	2.607	14.5	20.6

494695 2004 RR_{328} 7 16.6 325°.39 5°.4/15.5 17

6 10	20 9.58	−30 9.0	1.026	1.920	19.8	20.3
6 20	20 7.44	−30 32.5	0.949	1.898	15.6	19.9
6 30	20 1.29	−30 54.5	0.889	1.876	10.9	19.6
7 10	19 51.88	−31 7.2	0.849	1.856	6.4	19.3
7 20	19 40.67	−31 2.9	0.829	1.836	6.1	19.2
7 30	19 29.82	−30 37.3	0.830	1.818	10.8	19.4
8 9	19 21.42	−29 51.7	0.850	1.802	16.2	19.6
8 19	19 16.89	−28 51.1	0.887	1.786	21.3	19.8

100733 Annafalcká 7 16.6 163°.01 1°.2/17.1 17

6 10	20 12.98	−15 54.7	1.675	2.517	15.9	20.7
6 20	20 8.04	−16 21.1	1.600	2.521	12.3	20.5
6 30	20 0.57	−16 58.7	1.547	2.524	8.2	20.2
7 10	19 51.26	−17 44.7	1.518	2.527	3.6	20.0
7 20	19 41.07	−18 34.7	1.515	2.530	1.8	19.8
7 30	19 31.23	−19 24.3	1.540	2.532	6.2	20.1
8 9	19 22.88	−20 9.7	1.589	2.534	10.6	20.4
8 19	19 16.87	−20 48.8	1.662	2.535	14.3	20.6

303952 2005 YR_{40} 7 16.6 253°.27 1°.1/16.9 17

6 10	20 13.71	−18 11.4	1.415	2.272	17.5	21.6
6 20	20 9.21	−18 11.0	1.334	2.262	13.7	21.3
6 30	20 1.67	−18 19.6	1.272	2.252	9.1	21.0
7 10	19 51.81	−18 34.9	1.232	2.242	4.0	20.7
7 20	19 40.76	−18 53.5	1.217	2.232	2.0	20.5
7 30	19 29.99	−19 12.2	1.228	2.221	7.2	20.8
8 9	19 20.95	−19 28.3	1.262	2.210	12.3	21.1
8 19	19 14.71	−19 40.6	1.317	2.199	16.7	21.3

374926 2006 YT_{12} 7 16.6 255°.31 0°.1/16.6 17

6 10	20 12.12	−19 25.9	1.798	2.645	14.8	21.5
6 20	20 7.48	−19 47.2	1.705	2.629	11.5	21.3
6 30	20 0.32	−20 16.3	1.634	2.613	7.5	21.0
7 10	19 51.21	−20 50.2	1.586	2.597	3.1	20.7
7 20	19 41.06	−21 25.3	1.566	2.581	1.6	20.5
7 30	19 31.04	−21 57.6	1.572	2.564	6.3	20.8
8 9	19 22.32	−22 24.6	1.604	2.546	10.6	21.0
8 19	19 15.85	−22 45.0	1.659	2.528	14.5	21.2

367744 2010 VV_{57} 7 16.6 255°.20 3°.6/17.8 17

6 10	20 11.46	−12 32.0	1.605	2.443	16.6	21.2
6 20	20 7.05	−12 15.6	1.520	2.434	13.2	20.9
6 30	20 0.05	−12 11.3	1.455	2.425	9.3	20.7
7 10	19 51.10	−12 18.7	1.413	2.415	5.3	20.4
7 20	19 41.14	−12 36.6	1.396	2.405	3.8	20.3
7 30	19 31.41	−13 2.4	1.405	2.395	7.1	20.5
8 9	19 23.11	−13 32.8	1.438	2.385	11.3	20.7
8 19	19 17.17	−14 4.8	1.494	2.374	15.2	20.9

442943 2013 CZ_{86} 7 16.6 95°.70 5°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.86	−37 43.4	2.400	3.231	12.0	20.8
6 20	20 9.59	−38 9.0	2.338	3.244	9.6	20.6
6 30	20 1.18	−38 27.4	2.300	3.257	7.2	20.5
7 10	19 51.37	−38 34.0	2.287	3.270	5.5	20.4
7 20	19 41.09	−38 26.1	2.302	3.283	5.5	20.4
7 30	19 31.36	−38 2.9	2.344	3.296	7.3	20.6
8 9	19 23.11	−37 25.8	2.411	3.308	9.6	20.7
8 19	19 16.96	−36 38.2	2.502	3.320	11.9	20.9

321730 2010 LQ_4 7 16.6 343°.73 3°.7/18.3 18

6 10	20 4.51	−10 35.2	1.658	2.501	15.9	19.8
6 20	20 1.62	−10 39.0	1.576	2.492	12.7	19.5
6 30	19 56.46	−10 57.8	1.514	2.483	9.1	19.3
7 10	19 49.61	−11 31.3	1.474	2.475	5.4	19.1
7 20	19 41.92	−12 17.0	1.460	2.468	3.8	18.9
7 30	19 34.44	−13 11.2	1.470	2.462	6.6	19.1
8 9	19 28.22	−14 9.2	1.505	2.456	10.5	19.3
8 19	19 24.08	−15 6.7	1.562	2.452	14.2	19.5

280964 2006 CV_{36} 7 16.6 22°.47 0°.1/16.7 17

6 10	20 8.40	−19 2.9	1.424	2.290	16.9	20.7
6 20	20 4.87	−19 27.0	1.361	2.296	12.9	20.4
6 30	19 58.65	−20 0.4	1.319	2.303	8.4	20.2
7 10	19 50.50	−20 39.5	1.298	2.310	3.4	19.9
7 20	19 41.52	−21 19.6	1.303	2.318	1.7	19.8
7 30	19 33.02	−21 56.3	1.332	2.326	6.7	20.2
8 9	19 26.21	−22 26.6	1.385	2.335	11.3	20.4
8 19	19 21.94	−22 48.9	1.459	2.345	15.2	20.7

39203 2000 XH_{18} 7 16.6 105°.32 1°.3/16.3 18

6 10	20 16.18	−25 43.9	1.809	2.656	14.7	18.7
6 20	20 10.25	−25 29.2	1.737	2.661	11.3	18.5
6 30	20 1.83	−25 13.7	1.686	2.666	7.3	18.3
7 10	19 51.72	−24 54.8	1.661	2.671	3.1	18.0
7 20	19 40.95	−24 30.5	1.663	2.676	2.1	18.0
7 30	19 30.73	−24 0.4	1.692	2.681	6.2	18.3
8 9	19 22.16	−23 25.4	1.747	2.686	10.2	18.5
8 19	19 15.98	−22 47.3	1.826	2.691	13.6	18.7

481154 2005 UT_{167} 7 16.6 183°.48 3°.1/18.5 18

6 10	20 7.18	− 9 1.6	3.094	3.891	10.4	23.1
6 20	20 2.46	− 8 51.6	3.005	3.891	8.3	22.9
6 30	19 56.42	− 8 49.7	2.939	3.891	6.1	22.8
7 10	19 49.46	− 8 55.9	2.900	3.890	4.0	22.6
7 20	19 42.09	− 9 9.4	2.889	3.889	3.2	22.6
7 30	19 34.86	− 9 29.0	2.908	3.887	4.6	22.7
8 9	19 28.36	− 9 52.9	2.954	3.885	6.8	22.8
8 19	19 23.03	−10 19.5	3.026	3.883	9.0	23.0

253833 2003 YS_{83} 7 16.6 179°.17 2°.5/15.6 17

6 10	20 15.15	−25 33.8	1.837	2.685	14.4	21.1
6 20	20 9.67	−26 13.0	1.761	2.686	11.1	20.9
6 30	20 1.63	−26 55.0	1.708	2.687	7.3	20.6
7 10	19 51.72	−27 34.8	1.680	2.688	3.5	20.4
7 20	19 40.94	−28 7.5	1.678	2.688	3.2	20.4
7 30	19 30.51	−28 29.7	1.704	2.687	6.8	20.6
8 9	19 21.61	−28 40.2	1.756	2.686	10.7	20.8
8 19	19 15.08	−28 40.0	1.830	2.684	14.1	21.1

184388 2005 LG_{44} 7 16.6 345°.80 0°.7/16.9 18 R

6 10	20 8.35	−18 42.9	1.839	2.690	14.3	20.3
6 20	20 4.34	−18 48.6	1.761	2.687	11.1	20.1
6 30	19 58.10	−19 1.1	1.704	2.684	7.2	19.8
7 10	19 50.27	−19 18.3	1.671	2.681	3.1	19.6
7 20	19 41.69	−19 37.6	1.664	2.679	1.5	19.4
7 30	19 33.40	−19 56.3	1.684	2.677	5.7	19.7
8 9	19 26.41	−20 12.4	1.729	2.675	9.7	20.0
8 19	19 21.46	−20 24.8	1.796	2.674	13.2	20.2

475935 2007 ER_{112} 7 16.6 158°.92 4°.3/19.5 18

6 10	20 6.33	− 3 45.8	3.184	3.958	10.6	22.7
6 20	20 1.75	− 3 34.9	3.101	3.965	8.8	22.5
6 30	19 55.93	− 3 34.5	3.041	3.971	6.8	22.4
7 10	19 49.26	− 3 44.8	3.007	3.977	5.0	22.3
7 20	19 42.22	− 4 5.2	3.000	3.982	4.3	22.3
7 30	19 35.34	− 4 34.5	3.021	3.987	5.1	22.3
8 9	19 29.16	− 5 10.6	3.071	3.992	6.9	22.5
8 19	19 24.10	− 5 51.1	3.146	3.996	8.9	22.6

253737 2003 WR_{34} 7 16.6 335°.50 5°.7/14.5 17

6 10	20 11.42	−29 43.0	1.267	2.145	17.8	19.7
6 20	20 8.05	−30 48.9	1.199	2.138	13.9	19.4
6 30	20 1.22	−31 56.7	1.150	2.132	9.7	19.2
7 10	19 51.73	−32 57.6	1.124	2.126	6.2	19.0
7 20	19 40.91	−33 43.0	1.120	2.121	6.5	19.0
7 30	19 30.53	−34 7.1	1.139	2.116	10.2	19.2
8 9	19 22.28	−34 9.1	1.180	2.112	14.5	19.4
8 19	19 17.32	−33 52.1	1.240	2.109	18.5	19.6

72217 2001 AQ_5 7 16.6 156.°40 1.°4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.99	−17 40.0	2.154	2.985	13.2	19.9
6 20	20 7.42	−17 23.9	2.076	2.990	10.2	19.7
6 30	19 59.85	−17 12.9	2.021	2.995	6.8	19.5
7 10	19 50.91	−17 5.8	1.992	2.999	3.2	19.3
7 20	19 41.39	−17 1.5	1.990	3.003	1.8	19.2
7 30	19 32.22	−16 58.6	2.017	3.007	5.2	19.4
8 9	19 24.27	−16 56.3	2.071	3.010	8.7	19.7
8 19	19 18.19	−16 53.8	2.149	3.013	11.9	19.9

302879 2003 JN_6 7 16.6 62.°16 5.°4/14.7 17

6 10	20 15.81	−28 27.4	1.183	2.059	18.9	19.6
6 20	20 11.17	−29 46.9	1.139	2.078	14.6	19.4
6 30	20 2.99	−31 7.4	1.115	2.097	9.9	19.2
7 10	19 52.32	−32 19.0	1.113	2.116	6.0	19.0
7 20	19 40.71	−33 12.7	1.134	2.136	6.2	19.1
7 30	19 29.99	−33 43.7	1.178	2.156	9.9	19.4
8 9	19 21.75	−33 52.4	1.245	2.175	14.1	19.7
8 19	19 16.90	−33 42.6	1.331	2.195	17.7	20.0

500065 2011 UO_{303} 7 16.6 277.°21 2.°6/15.7 17

6 10	20 13.22	−24 0.1	1.327	2.196	17.7	21.6
6 20	20 9.25	−24 41.0	1.247	2.184	13.7	21.4
6 30	20 1.95	−25 29.0	1.187	2.172	9.0	21.1
7 10	19 52.05	−26 18.0	1.150	2.160	4.1	20.7
7 20	19 40.74	−27 1.1	1.136	2.148	3.5	20.7
7 30	19 29.70	−27 32.6	1.147	2.136	8.5	20.9
8 9	19 20.56	−27 50.0	1.181	2.124	13.5	21.2
8 19	19 14.52	−27 53.8	1.234	2.112	18.0	21.4

243456 2009 JR_3 7 16.6 342.°76 2.°4/17.9 18

6 10	20 4.78	−12 6.4	1.694	2.540	15.5	19.4
6 20	20 1.83	−12 36.1	1.611	2.531	12.3	19.2
6 30	19 56.63	−13 21.3	1.548	2.523	8.4	18.9
7 10	19 49.73	−14 20.1	1.509	2.515	4.4	18.7
7 20	19 41.96	−15 28.7	1.495	2.508	2.6	18.6
7 30	19 34.37	−16 41.9	1.508	2.501	6.1	18.8
8 9	19 28.02	−17 54.4	1.545	2.496	10.2	19.0
8 19	19 23.72	−19 1.9	1.604	2.491	14.0	19.2

487608 2015 ML_{46} 7 16.6 228.°37 0.°6/16.3 18

6 10	20 8.29	−20 24.3	2.376	3.216	11.8	21.1
6 20	20 3.89	−21 3.8	2.291	3.212	9.1	20.9
6 30	19 57.64	−21 49.2	2.229	3.208	5.9	20.7
7 10	19 50.06	−22 37.4	2.193	3.204	2.4	20.5
7 20	19 41.82	−23 25.0	2.185	3.199	1.5	20.4
7 30	19 33.74	−24 8.7	2.206	3.194	5.0	20.7
8 9	19 26.65	−24 46.2	2.253	3.189	8.3	20.9
8 19	19 21.18	−25 16.2	2.325	3.185	11.3	21.0

297590 2001 SX_{84} 7 16.6 275.°26 0.°1/16.7 18

6 10	20 10.90	−20 11.1	2.364	3.198	12.1	21.7
6 20	20 6.05	−20 21.5	2.251	3.169	9.4	21.5
6 30	19 59.18	−20 36.7	2.162	3.139	6.2	21.2
7 10	19 50.75	−20 54.6	2.099	3.109	2.5	20.9
7 20	19 41.44	−21 12.8	2.064	3.078	1.3	20.8
7 30	19 32.13	−21 29.1	2.057	3.047	5.2	21.0
8 9	19 23.73	−21 41.8	2.078	3.015	8.8	21.2
8 19	19 17.02	−21 50.2	2.123	2.983	12.2	21.3

48443 1990 HY_5 7 16.6 114.°62 0.°7/16.9 17

6 10	20 14.29	−18 40.1	1.688	2.533	15.7	19.8
6 20	20 8.89	−18 46.2	1.623	2.546	12.0	19.6
6 30	20 1.02	−18 59.5	1.580	2.558	7.9	19.4
7 10	19 51.44	−19 17.3	1.560	2.570	3.3	19.1
7 20	19 41.17	−19 36.3	1.567	2.582	1.6	19.0
7 30	19 31.41	−19 54.0	1.601	2.593	6.1	19.4
8 9	19 23.25	−20 8.4	1.661	2.604	10.2	19.6
8 19	19 17.44	−20 18.7	1.743	2.615	13.8	19.9

510919 2013 EK_{16} 7 16.6 227.°75 0.°9/17.2 18

6 10	20 8.11	−16 33.9	2.437	3.268	11.9	22.1
6 20	20 3.66	−16 52.8	2.348	3.262	9.2	21.9
6 30	19 57.45	−17 18.9	2.281	3.256	6.1	21.7
7 10	19 49.98	−17 50.4	2.241	3.249	2.7	21.5
7 20	19 41.89	−18 24.9	2.228	3.242	1.4	21.4
7 30	19 33.95	−18 59.8	2.244	3.235	4.7	21.6
8 9	19 26.94	−19 32.8	2.287	3.228	8.0	21.8
8 19	19 21.48	−20 2.3	2.355	3.220	10.9	22.0

467090 2016 EX_7 7 16.6 52.°08 5.°8/15.1 17

6 10	20 16.38	−31 33.0	1.224	2.097	18.6	20.6
6 20	20 11.54	−32 19.7	1.177	2.113	14.5	20.4
6 30	20 3.17	−33 2.6	1.149	2.128	10.1	20.2
7 10	19 52.38	−33 33.6	1.143	2.145	6.4	20.0
7 20	19 40.73	−33 46.1	1.160	2.161	6.4	20.1
7 30	19 30.06	−33 37.8	1.201	2.178	9.8	20.3
8 9	19 21.88	−33 11.0	1.264	2.195	13.8	20.6
8 19	19 17.06	−32 30.3	1.346	2.213	17.4	20.9

361031 2005 WD_{101} 7 16.6 168.°90 2.°6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.56	−28 21.5	2.888	3.725	10.1	21.5
6 20	20 4.57	−29 6.4	2.810	3.728	7.7	21.4
6 30	19 57.93	−29 51.4	2.757	3.731	5.2	21.2
7 10	19 50.14	−30 33.1	2.731	3.734	3.0	21.0
7 20	19 41.82	−31 8.5	2.733	3.736	3.0	21.1
7 30	19 33.69	−31 35.1	2.765	3.738	5.2	21.2
8 9	19 26.46	−31 52.0	2.824	3.739	7.7	21.4
8 19	19 20.71	−31 59.7	2.907	3.740	10.0	21.5

477971 2011 SL_{64} 7 16.6 343.°33 6.°0/18.4 16

6 10	20 5.07	− 9 34.5	1.412	2.262	17.9	21.0
6 20	20 2.41	− 8 48.9	1.333	2.250	14.5	20.7
6 30	19 57.18	− 8 17.3	1.273	2.238	10.8	20.5
7 10	19 50.01	− 8 1.9	1.233	2.228	7.3	20.2
7 20	19 41.87	− 8 3.3	1.217	2.219	6.0	20.1
7 30	19 33.99	− 8 20.0	1.224	2.211	8.4	20.2
8 9	19 27.58	− 8 48.6	1.254	2.204	12.2	20.4
8 19	19 23.55	− 9 24.7	1.304	2.198	16.1	20.7

255462 2005 YP_{82} 7 16.6 235.°21 0.°3/16.8 18

6 10	20 8.07	−19 18.7	2.699	3.531	10.8	21.7
6 20	20 3.48	−19 31.1	2.605	3.522	8.3	21.5
6 30	19 57.27	−19 48.0	2.536	3.512	5.4	21.3
7 10	19 49.90	−20 7.6	2.492	3.502	2.3	21.1
7 20	19 41.96	−20 28.0	2.478	3.492	1.1	20.9
7 30	19 34.16	−20 47.3	2.492	3.482	4.4	21.2
8 9	19 27.21	−21 3.9	2.533	3.471	7.4	21.4
8 19	19 21.69	−21 17.1	2.600	3.460	10.2	21.5

480426 2015 KC_{122} 7 16.6 97.°00 9.°7/24.8 16

6 10	20 11.84	+11 20.5	1.996	2.703	18.0	21.2
6 20	20 6.60	+10 59.6	1.927	2.722	15.9	21.1
6 30	19 59.35	+10 10.1	1.875	2.741	13.5	20.9
7 10	19 50.74	+ 8 50.4	1.845	2.759	11.3	20.8
7 20	19 41.56	+ 7 2.3	1.839	2.777	9.9	20.8
7 30	19 32.76	+ 4 50.9	1.859	2.795	9.9	20.8
8 9	19 25.22	+ 2 24.6	1.907	2.812	11.3	20.9
8 19	19 19.56	− 0 7.6	1.980	2.829	13.4	21.1

442545 2011 YZ_{33} 7 16.6 116.°85 2.°4/15.7 18

6 10	20 11.20	−28 35.8	2.403	3.246	11.6	20.8
6 20	20 6.04	−28 48.6	2.327	3.248	8.9	20.6
6 30	19 58.97	−29 0.0	2.273	3.250	6.0	20.4
7 10	19 50.59	−29 7.0	2.246	3.252	3.1	20.2
7 20	19 41.66	−29 7.2	2.247	3.254	2.9	20.2
7 30	19 33.08	−28 59.1	2.275	3.256	5.6	20.4
8 9	19 25.66	−28 42.9	2.331	3.258	8.5	20.6
8 19	19 20.04	−28 19.6	2.410	3.260	11.3	20.8

287941 2003 UM_{72} 7 16.6 196.°41 2.°9/17.8 17

6 10	20 13.24	−12 40.7	1.937	2.760	14.8	22.2
6 20	20 7.96	−12 38.5	1.851	2.758	11.7	22.0
6 30	20 0.44	−12 47.1	1.788	2.755	8.1	21.7
7 10	19 51.27	−13 5.5	1.749	2.751	4.5	21.5
7 20	19 41.29	−13 31.8	1.736	2.746	3.0	21.4
7 30	19 31.54	−14 3.2	1.752	2.741	6.0	21.6
8 9	19 23.04	−14 36.9	1.794	2.735	9.8	21.8
8 19	19 16.57	−15 10.3	1.859	2.728	13.3	22.0

310582 2001 TP_{235} 7 16.6 329.°72 5.°1/14.3 17

6 10	20 1.18	−24 0.8	0.914	1.822	20.2	19.7
6 20	20 1.22	−25 28.0	0.836	1.795	15.8	19.3
6 30	19 57.51	−27 13.0	0.775	1.769	10.6	19.0
7 10	19 50.54	−29 6.9	0.734	1.744	5.9	18.6
7 20	19 41.51	−30 56.4	0.712	1.721	6.4	18.5
7 30	19 32.44	−32 27.7	0.710	1.699	11.9	18.7
8 9	19 25.58	−33 31.8	0.726	1.680	17.9	19.0
8 19	19 22.64	−34 6.5	0.757	1.663	23.2	19.2

103818 2000 DY_{20} 7 16.7 232.°48 2.°6/18.0 18

6 10	20 8.97	−11 43.1	2.228	3.048	13.2	20.6
6 20	20 4.49	−11 58.4	2.135	3.039	10.4	20.4
6 30	19 58.11	−12 24.9	2.064	3.030	7.3	20.2
7 10	19 50.31	−13 1.6	2.019	3.020	4.0	20.0
7 20	19 41.79	−13 46.1	2.000	3.010	2.7	19.9
7 30	19 33.39	−14 35.5	2.010	3.000	5.3	20.0
8 9	19 25.97	−15 26.2	2.047	2.989	8.7	20.2
8 19	19 20.22	−16 15.6	2.109	2.978	11.9	20.4

430457 2000 WV_{63} 7 16.7 187.°64 6.°0/13.7 18

6 10	20 15.95	−35 42.0	2.092	2.932	13.2	21.0
6 20	20 10.31	−36 47.2	2.020	2.932	10.6	20.8
6 30	20 2.09	−37 48.2	1.970	2.931	7.9	20.7
7 10	19 51.97	−38 38.4	1.946	2.930	6.1	20.6
7 20	19 40.96	−39 12.3	1.948	2.928	6.5	20.6
7 30	19 30.28	−39 26.8	1.977	2.926	8.6	20.7
8 9	19 21.12	−39 22.2	2.031	2.924	11.3	20.9
8 19	19 14.35	−39 1.3	2.106	2.921	13.9	21.0

245596 2005 VN_{72} 7 16.7 191.°40 3.°8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.51	−31 37.4	2.624	3.464	10.9	21.0
6 20	20 5.58	−32 33.3	2.546	3.463	8.5	20.8
6 30	19 58.74	−33 27.9	2.492	3.462	6.0	20.6
7 10	19 50.55	−34 16.9	2.465	3.460	4.1	20.5
7 20	19 41.69	−34 56.3	2.466	3.459	4.3	20.5
7 30	19 33.03	−35 23.4	2.495	3.457	6.3	20.7
8 9	19 25.41	−35 37.5	2.550	3.455	8.9	20.8
8 19	19 19.48	−35 39.5	2.629	3.452	11.2	21.0

192790 1999 UC_{35} 7 16.7 233.°77 1.°5/15.9 18

6 10	20 11.56	−23 42.3	2.014	2.861	13.4	21.2
6 20	20 6.77	−24 10.7	1.929	2.854	10.3	21.0
6 30	19 59.71	−24 42.7	1.867	2.848	6.7	20.7
7 10	19 50.99	−25 14.7	1.831	2.841	2.9	20.5
7 20	19 41.46	−25 42.9	1.822	2.834	2.3	20.4
7 30	19 32.16	−26 4.3	1.840	2.826	6.0	20.7
8 9	19 24.13	−26 17.4	1.884	2.819	9.7	20.9
8 19	19 18.14	−26 22.1	1.951	2.811	13.1	21.1

395401 2011 SU_{118} 7 16.7 193.°98 3.°7/14.3 18

6 10	20 11.33	−30 23.3	2.512	3.353	11.3	21.5
6 20	20 6.29	−31 24.8	2.433	3.351	8.7	21.4
6 30	19 59.26	−32 26.1	2.378	3.349	6.1	21.2
7 10	19 50.78	−33 22.5	2.349	3.347	4.0	21.0
7 20	19 41.58	−34 9.6	2.349	3.344	4.2	21.1
7 30	19 32.56	−34 44.3	2.377	3.341	6.5	21.2
8 9	19 24.61	−35 5.5	2.431	3.338	9.1	21.4
8 19	19 18.43	−35 13.9	2.509	3.334	11.6	21.5

111539 2001 YO_{130} 7 16.7 297.°70 3.°9/14.4 18

6 10	20 9.59	−28 32.9	2.040	2.894	13.0	19.4
6 20	20 5.47	−29 41.7	1.955	2.882	10.1	19.2
6 30	19 59.01	−30 53.1	1.894	2.871	6.9	19.0
7 10	19 50.76	−32 1.5	1.857	2.859	4.3	18.8
7 20	19 41.57	−33 0.9	1.848	2.847	4.6	18.8
7 30	19 32.50	−33 46.8	1.865	2.836	7.4	19.0
8 9	19 24.66	−34 17.3	1.907	2.825	10.7	19.1
8 19	19 18.90	−34 32.6	1.972	2.813	13.7	19.3

249287 2008 TG_{27} 7 16.7 349.°12 20.°2/26.9 16

6 10	19 54.50	+13 13.8	1.056	1.850	26.2	18.8
6 20	19 54.96	+15 16.1	0.991	1.830	24.6	18.6
6 30	19 52.70	+16 42.0	0.939	1.813	22.9	18.4
7 10	19 48.32	+17 20.2	0.899	1.799	21.4	18.3
7 20	19 42.79	+17 2.5	0.872	1.787	20.4	18.2
7 30	19 37.46	+15 46.2	0.861	1.778	20.3	18.1
8 9	19 33.75	+13 37.5	0.864	1.772	21.0	18.2
8 19	19 32.75	+10 49.3	0.883	1.768	22.6	18.2

350768 2002 AW_{171} 7 16.7 164.°74 1.°9/15.8 18

6 10	20 11.34	−26 42.0	2.520	3.359	11.3	21.2
6 20	20 6.05	−26 57.6	2.442	3.362	8.6	21.1
6 30	19 58.95	−27 13.2	2.387	3.365	5.7	20.9
7 10	19 50.60	−27 25.9	2.359	3.367	2.7	20.7
7 20	19 41.72	−27 33.3	2.360	3.369	2.4	20.7
7 30	19 33.13	−27 33.7	2.388	3.371	5.2	20.9
8 9	19 25.63	−27 27.0	2.444	3.373	8.1	21.0
8 19	19 19.82	−27 13.8	2.525	3.374	10.8	21.2

293398 2007 EU_{68} 7 16.7 130.°36 0.°1/16.6 18

6 10	20 8.36	−20 10.9	2.644	3.478	11.0	21.6
6 20	20 3.65	−20 30.0	2.568	3.486	8.4	21.4
6 30	19 57.34	−20 53.2	2.517	3.494	5.4	21.3
7 10	19 49.93	−21 18.3	2.491	3.502	2.2	21.1
7 20	19 42.06	−21 43.2	2.495	3.509	1.1	21.0
7 30	19 34.43	−22 5.6	2.527	3.516	4.4	21.2
8 9	19 27.73	−22 24.3	2.586	3.523	7.3	21.4
8 19	19 22.51	−22 38.6	2.671	3.530	10.0	21.6

329029 2011 AF_{25} 7 16.7 248.°13 0.°4/16.8 18

6 10	20 11.61	−17 30.4	1.723	2.569	15.3	21.3
6 20	20 7.20	−18 2.6	1.635	2.558	11.9	21.0
6 30	20 0.22	−18 45.5	1.568	2.547	7.8	20.8
7 10	19 51.29	−19 35.9	1.525	2.535	3.3	20.5
7 20	19 41.31	−20 29.5	1.508	2.523	1.6	20.3
7 30	19 31.47	−21 21.4	1.519	2.511	6.3	20.6
8 9	19 22.98	−22 7.9	1.554	2.498	10.8	20.8
8 19	19 16.77	−22 46.7	1.612	2.485	14.7	21.0

138695 2000 SD_{60} 7 16.7 256.°13 0.°4/16.9 18

6 10	20 9.36	−19 0.3	2.603	3.433	11.2	21.1
6 20	20 4.62	−19 10.9	2.498	3.414	8.7	20.8
6 30	19 58.12	−19 26.5	2.418	3.394	5.7	20.6
7 10	19 50.32	−19 45.3	2.364	3.374	2.4	20.4
7 20	19 41.83	−20 5.3	2.338	3.353	1.2	20.2
7 30	19 33.42	−20 24.3	2.342	3.332	4.6	20.5
8 9	19 25.86	−20 40.9	2.372	3.310	7.9	20.6
8 19	19 19.79	−20 54.2	2.428	3.288	10.8	20.8

279709 2011 GH_4 7 16.7 152.°06 5.°5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.04	− 6 21.3	1.777	2.593	16.2	20.8
6 20	20 4.86	− 6 8.5	1.699	2.593	13.2	20.6
6 30	19 58.48	− 6 12.1	1.642	2.594	9.9	20.4
7 10	19 50.50	− 6 32.6	1.607	2.595	6.8	20.2
7 20	19 41.76	− 7 8.8	1.598	2.595	5.5	20.1
7 30	19 33.29	− 7 57.8	1.614	2.596	7.3	20.2
8 9	19 26.08	− 8 54.9	1.656	2.596	10.5	20.4
8 19	19 20.89	− 9 55.6	1.720	2.597	13.7	20.6

262938 2007 DK_{27} 7 16.7 106.°97 0.°1/16.7 18

6 10	20 8.06	−19 24.5	2.424	3.262	11.7	20.7
6 20	20 3.58	−19 46.4	2.349	3.268	9.0	20.5
6 30	19 57.37	−20 13.6	2.296	3.274	5.8	20.3
7 10	19 49.97	−20 43.7	2.270	3.281	2.4	20.1
7 20	19 42.04	−21 14.1	2.272	3.287	1.2	20.0
7 30	19 34.37	−21 42.3	2.302	3.293	4.6	20.3
8 9	19 27.69	−22 6.7	2.359	3.298	7.8	20.5
8 19	19 22.60	−22 26.1	2.441	3.304	10.7	20.7

46503 3191 $T\text{-}_3$ 7 16.7 242.°36 4.°8/14.7 18

6 10	20 15.27	−30 12.5	1.683	2.538	15.2	20.0
6 20	20 10.31	−31 8.3	1.602	2.529	11.9	19.8
6 30	20 2.39	−32 4.5	1.544	2.519	8.3	19.5
7 10	19 52.21	−32 54.4	1.509	2.510	5.3	19.3
7 20	19 40.87	−33 31.3	1.500	2.500	5.4	19.3
7 30	19 29.81	−33 50.8	1.517	2.489	8.6	19.5
8 9	19 20.43	−33 52.3	1.558	2.479	12.4	19.7
8 19	19 13.78	−33 38.0	1.620	2.468	15.9	19.9

182058 2000 DN_{108} 7 16.7 287.°16 2.°8/17.8 18

6 10	20 9.41	−12 53.8	1.546	2.392	16.8	20.1
6 20	20 5.75	−13 4.3	1.456	2.376	13.3	19.9
6 30	19 59.42	−13 29.5	1.386	2.360	9.2	19.6
7 10	19 51.02	−14 8.4	1.339	2.344	4.9	19.3
7 20	19 41.46	−14 57.8	1.316	2.328	3.0	19.1
7 30	19 32.00	−15 53.4	1.319	2.312	6.9	19.3
8 9	19 23.94	−16 50.2	1.346	2.297	11.5	19.6
8 19	19 18.27	−17 44.0	1.395	2.281	15.8	19.8

2407 Haug 7 16.7 320.°33 1.°3/16.2 18

6 10	20 8.38	−23 23.4	1.701	2.563	14.8	14.8
6 20	20 4.84	−23 37.4	1.609	2.542	11.4	14.5
6 30	19 58.75	−23 55.5	1.538	2.522	7.5	14.3
7 10	19 50.71	−24 14.3	1.491	2.502	3.2	13.9
7 20	19 41.63	−24 30.3	1.469	2.482	2.2	13.8
7 30	19 32.72	−24 40.4	1.473	2.464	6.6	14.1
8 9	19 25.18	−24 43.0	1.500	2.445	11.0	14.3
8 19	19 19.94	−24 38.1	1.550	2.428	14.9	14.5

389491 2010 FX_1 7 16.7 221.°03 1.°4/17.4 16

6 10	20 9.76	−15 11.1	2.004	2.839	13.9	21.8
6 20	20 5.30	−15 31.6	1.919	2.835	10.8	21.6
6 30	19 58.73	−16 2.2	1.856	2.831	7.3	21.3
7 10	19 50.61	−16 40.7	1.819	2.826	3.4	21.1
7 20	19 41.72	−17 24.1	1.808	2.821	1.8	21.0
7 30	19 33.03	−18 8.9	1.825	2.816	5.5	21.2
8 9	19 25.50	−18 51.9	1.868	2.811	9.3	21.4
8 19	19 19.85	−19 30.7	1.934	2.806	12.7	21.6

380886 2006 DE_{41} 7 16.7 132.°30 1.°1/16.3 18

6 10	20 16.13	−24 53.4	2.013	2.853	13.7	20.6
6 20	20 9.99	−24 47.4	1.942	2.863	10.5	20.4
6 30	20 1.61	−24 41.8	1.893	2.872	6.8	20.2
7 10	19 51.71	−24 33.8	1.871	2.880	2.9	20.0
7 20	19 41.23	−24 21.3	1.876	2.889	1.9	19.9
7 30	19 31.26	−24 3.4	1.909	2.897	5.7	20.2
8 9	19 22.76	−23 40.4	1.969	2.904	9.4	20.4
8 19	19 16.42	−23 13.7	2.052	2.912	12.6	20.6

107981 2001 FY_{130} 7 16.7 343.°56 8.°2/20.1 18

6 10	20 7.27	− 1 19.6	1.728	2.528	17.2	19.4
6 20	20 3.58	− 0 34.0	1.651	2.525	14.6	19.2
6 30	19 57.70	− 0 7.0	1.592	2.522	11.7	19.0
7 10	19 50.22	− 0 1.5	1.555	2.520	9.3	18.9
7 20	19 41.95	− 0 18.3	1.541	2.518	8.2	18.8
7 30	19 33.94	− 0 55.7	1.552	2.516	9.3	18.9
8 9	19 27.16	− 1 49.5	1.586	2.514	11.7	19.0
8 19	19 22.38	− 2 54.1	1.642	2.513	14.6	19.2

255512 2006 BT_{166} 7 16.7 234.°36 1.°1/16.1 18

6 10	20 9.08	−24 14.6	2.662	3.501	10.8	21.3
6 20	20 4.32	−24 29.2	2.573	3.494	8.2	21.1
6 30	19 57.87	−24 45.5	2.508	3.487	5.3	20.9
7 10	19 50.21	−25 1.0	2.470	3.480	2.3	20.7
7 20	19 42.00	−25 13.6	2.460	3.473	1.7	20.7
7 30	19 33.98	−25 21.3	2.479	3.465	4.7	20.9
8 9	19 26.89	−25 23.5	2.525	3.458	7.7	21.1
8 19	19 21.31	−25 20.2	2.595	3.450	10.4	21.2

363922 2005 SZ_{265} 7 16.7 250°.19 3°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.74	− 9 46.0	2.497	3.307	12.2	21.6
6 20	20 3.36	− 9 33.8	2.400	3.294	9.8	21.4
6 30	19 57.30	− 9 31.1	2.325	3.282	7.1	21.2
7 10	19 50.02	− 9 38.1	2.276	3.269	4.6	21.1
7 20	19 42.11	− 9 54.0	2.254	3.256	3.5	21.0
7 30	19 34.33	−10 17.2	2.260	3.243	5.4	21.1
8 9	19 27.40	−10 45.6	2.293	3.230	8.2	21.2
8 19	19 21.91	−11 16.8	2.351	3.216	10.9	21.4

15240 1989 GF_{3} 7 16.7 40°.88 3°.4/17.8 18

6 10	20 10.69	−13 54.7	1.282	2.141	18.8	18.5
6 20	20 6.71	−13 36.1	1.227	2.154	14.7	18.2
6 30	19 59.90	−13 30.9	1.191	2.167	10.1	18.0
7 10	19 51.13	−13 38.2	1.176	2.181	5.4	17.8
7 20	19 41.60	−13 55.5	1.185	2.196	3.6	17.7
7 30	19 32.71	−14 19.5	1.218	2.212	7.3	18.0
8 9	19 25.70	−14 46.6	1.274	2.227	11.8	18.3
8 19	19 21.38	−15 13.7	1.351	2.244	15.7	18.6

126550 2002 CJ_{98} 7 16.7 44°.26 3°.6/18.8 18

6 10	20 6.62	− 8 28.9	2.262	3.075	13.2	19.9
6 20	20 2.60	− 8 37.7	2.180	3.076	10.6	19.7
6 30	19 56.83	− 8 59.2	2.119	3.076	7.7	19.5
7 10	19 49.82	− 9 32.7	2.083	3.077	4.9	19.3
7 20	19 42.22	−10 16.5	2.075	3.078	3.6	19.3
7 30	19 34.83	−11 7.7	2.093	3.079	5.5	19.4
8 9	19 28.39	−12 2.7	2.138	3.080	8.4	19.6
8 19	19 23.52	−12 58.3	2.208	3.081	11.3	19.8

252728 2002 CR_{246} 7 16.7 36°.56 3°.1/15.6 18

6 10	20 12.20	−29 49.5	2.131	2.978	12.7	20.4
6 20	20 7.08	−30 4.0	2.058	2.981	9.8	20.2
6 30	19 59.80	−30 16.3	2.008	2.984	6.6	20.0
7 10	19 51.02	−30 22.7	1.983	2.987	3.7	19.8
7 20	19 41.64	−30 20.4	1.985	2.990	3.5	19.8
7 30	19 32.68	−30 7.9	2.014	2.993	6.3	20.0
8 9	19 25.07	−29 45.6	2.069	2.997	9.4	20.2
8 19	19 19.50	−29 15.3	2.148	3.000	12.3	20.4

167363 2003 WH_{46} 7 16.7 213°.60 2°.0/15.7 18

6 10	20 10.80	−24 3.5	1.945	2.796	13.6	20.0
6 20	20 6.27	−24 46.1	1.868	2.795	10.4	19.8
6 30	19 59.45	−25 33.0	1.813	2.794	6.8	19.5
7 10	19 50.95	−26 19.6	1.783	2.793	3.1	19.3
7 20	19 41.65	−27 1.6	1.781	2.791	2.7	19.3
7 30	19 32.63	−27 35.1	1.805	2.790	6.3	19.5
8 9	19 24.92	−27 58.3	1.855	2.789	10.0	19.7
8 19	19 19.30	−28 11.2	1.928	2.788	13.2	19.9

101956 1999 RS_{36} 7 16.7 257°.18 3°.4/17.9 18

6 10	20 11.51	−12 27.2	1.659	2.496	16.3	19.7
6 20	20 7.15	−12 20.4	1.569	2.482	13.0	19.4
6 30	20 0.24	−12 26.1	1.499	2.469	9.1	19.2
7 10	19 51.36	−12 43.9	1.452	2.455	5.1	18.9
7 20	19 41.42	−13 11.9	1.431	2.441	3.5	18.8
7 30	19 31.63	−13 47.2	1.436	2.426	6.8	18.9
8 9	19 23.18	−14 26.1	1.465	2.411	11.1	19.1
8 19	19 17.01	−15 5.2	1.517	2.396	15.1	19.3

9925 Juliehoskin 7 16.7 270°.22 1°.0/16.3 18

6 10	20 10.96	−23 12.9	2.014	2.862	13.4	18.6
6 20	20 6.33	−23 27.0	1.927	2.852	10.3	18.4
6 30	19 59.46	−23 44.3	1.862	2.843	6.7	18.1
7 10	19 50.96	−24 1.9	1.823	2.833	2.8	17.9
7 20	19 41.67	−24 16.6	1.810	2.824	1.9	17.8
7 30	19 32.60	−24 26.0	1.825	2.814	5.8	18.0
8 9	19 24.78	−24 29.0	1.866	2.804	9.6	18.2
8 19	19 18.98	−24 25.7	1.929	2.795	13.0	18.4

476136 2007 TG_{249} 7 16.7 5°.13 2°.9/17.6 16

6 10	20 8.07	−14 49.4	1.505	2.359	16.7	20.9
6 20	20 4.52	−14 29.4	1.434	2.359	13.1	20.7
6 30	19 58.45	−14 19.8	1.384	2.360	9.0	20.5
7 10	19 50.58	−14 20.1	1.356	2.361	4.8	20.2
7 20	19 41.89	−14 28.6	1.352	2.364	3.1	20.1
7 30	19 33.60	−14 43.0	1.373	2.366	6.7	20.4
8 9	19 26.85	−15 0.6	1.418	2.370	10.9	20.6
8 19	19 22.45	−15 19.1	1.485	2.374	14.8	20.9

102871 1999 WB_{11} 7 16.7 281°.79 1°.5/16.1 18

6 10	20 12.38	−22 19.1	1.560	2.419	16.0	20.2
6 20	20 8.31	−22 53.3	1.465	2.396	12.5	19.9
6 30	20 1.30	−23 35.4	1.390	2.373	8.2	19.6
7 10	19 51.91	−24 20.8	1.339	2.350	3.5	19.2
7 20	19 41.14	−25 4.1	1.313	2.326	2.6	19.1
7 30	19 30.40	−25 40.2	1.313	2.303	7.5	19.3
8 9	19 21.13	−26 5.9	1.337	2.279	12.3	19.6
8 19	19 14.50	−26 20.5	1.381	2.255	16.7	19.8

288944 2004 SL_{51} 7 16.7 351°.40 0°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 7.13	−20 31.9	1.313	2.188	17.4	19.9
6 20	20 4.37	−21 5.2	1.242	2.182	13.4	19.6
6 30	19 58.67	−21 48.4	1.191	2.178	8.7	19.4
7 10	19 50.76	−22 36.9	1.162	2.174	3.6	19.1
7 20	19 41.77	−23 24.9	1.156	2.171	2.2	19.0
7 30	19 33.15	−24 7.1	1.175	2.169	7.4	19.3
8 9	19 26.28	−24 39.7	1.216	2.168	12.3	19.5
8 19	19 22.17	−25 1.5	1.277	2.168	16.6	19.8

326213 2012 CJ_{39} 7 16.7 135°.85 0°.4/16.5 17

6 10	20 15.64	−21 11.7	1.648	2.496	15.8	21.9
6 20	20 10.13	−21 25.8	1.580	2.505	12.1	21.7
6 30	20 1.99	−21 45.3	1.533	2.514	7.9	21.5
7 10	19 52.00	−22 6.8	1.511	2.522	3.2	21.2
7 20	19 41.21	−22 26.4	1.515	2.530	1.7	21.1
7 30	19 30.93	−22 41.2	1.546	2.537	6.4	21.5
8 9	19 22.31	−22 49.9	1.602	2.544	10.7	21.7
8 19	19 16.19	−22 52.5	1.680	2.550	14.4	22.0

341254 2007 RC_{215} 7 16.7 94°.18 0°.4/16.5 17

6 10	20 11.49	−21 37.3	1.915	2.762	14.0	21.1
6 20	20 6.67	−21 45.9	1.841	2.766	10.7	20.9
6 30	19 59.62	−21 58.7	1.789	2.770	6.9	20.7
7 10	19 51.00	−22 12.8	1.763	2.774	2.8	20.4
7 20	19 41.71	−22 25.5	1.763	2.778	1.5	20.4
7 30	19 32.79	−22 34.6	1.791	2.781	5.7	20.6
8 9	19 25.23	−22 38.8	1.844	2.785	9.5	20.9
8 19	19 19.74	−22 38.1	1.920	2.789	12.9	21.1

305765 2009 DS_{32} 7 16.7 138°.32 6°.0/20.3 16

6 10	20 7.67	− 1 33.2	2.283	3.063	14.1	21.8
6 20	20 3.33	− 1 25.4	2.204	3.068	11.8	21.7
6 30	19 57.28	− 1 33.8	2.146	3.074	9.3	21.5
7 10	19 50.02	− 1 59.0	2.111	3.079	7.0	21.4
7 20	19 42.20	− 2 40.2	2.103	3.084	6.0	21.3
7 30	19 34.61	− 3 35.0	2.121	3.088	6.9	21.4
8 9	19 27.98	− 4 39.2	2.166	3.093	9.1	21.5
8 19	19 22.91	− 5 48.7	2.234	3.097	11.6	21.7

228551 2001 XH_{23} 7 16.7 204°.32 1°.4/16.1 18

6 10	20 14.17	−24 17.2	2.360	3.195	12.1	22.1
6 20	20 8.46	−24 39.5	2.271	3.189	9.3	21.9
6 30	20 0.70	−25 4.1	2.205	3.183	6.1	21.7
7 10	19 51.45	−25 27.6	2.166	3.175	2.7	21.5
7 20	19 41.48	−25 47.1	2.156	3.168	2.0	21.4
7 30	19 31.72	−26 0.1	2.174	3.159	5.4	21.6
8 9	19 23.08	−26 5.7	2.220	3.150	8.8	21.8
8 19	19 16.28	−26 4.2	2.290	3.139	11.8	22.0

473287 2015 PZ_{46} 7 16.7 359°.51 1°.3/16.1 18

6 10	20 6.27	−21 44.2	1.613	2.480	15.2	20.0
6 20	20 3.18	−22 24.8	1.542	2.477	11.6	19.7
6 30	19 57.63	−23 12.6	1.491	2.476	7.5	19.5
7 10	19 50.27	−24 3.3	1.464	2.475	3.2	19.2
7 20	19 42.06	−24 51.8	1.462	2.475	2.3	19.2
7 30	19 34.17	−25 33.5	1.486	2.477	6.6	19.4
8 9	19 27.72	−26 5.6	1.533	2.479	10.8	19.7
8 19	19 23.57	−26 27.1	1.602	2.481	14.5	19.9

349812 2009 BA_{141} 7 16.7 353°.22 1°.7/15.9 17

6 10	20 9.02	−22 57.4	1.683	2.544	14.9	20.5
6 20	20 5.23	−23 37.8	1.609	2.541	11.5	20.3
6 30	19 58.94	−24 24.2	1.556	2.539	7.4	20.0
7 10	19 50.81	−25 11.7	1.527	2.538	3.3	19.8
7 20	19 41.80	−25 55.6	1.524	2.537	2.6	19.7
7 30	19 33.10	−26 31.5	1.547	2.536	6.7	20.0
8 9	19 25.87	−26 57.1	1.595	2.536	10.8	20.2
8 19	19 20.94	−27 12.0	1.664	2.536	14.4	20.4

139015 2001 DR_{57} 7 16.7 356°.01 1°.0/17.0 17

6 10	20 2.70	−17 13.5	0.983	1.878	20.3	19.0
6 20	20 1.62	−17 31.0	0.921	1.871	15.8	18.7
6 30	19 57.21	−18 4.1	0.876	1.866	10.5	18.4
7 10	19 50.26	−18 49.5	0.850	1.862	4.5	18.1
7 20	19 42.06	−19 41.5	0.845	1.860	2.1	17.9
7 30	19 34.33	−20 33.2	0.861	1.861	8.1	18.3
8 9	19 28.69	−21 18.9	0.897	1.862	13.8	18.6
8 19	19 26.22	−21 54.8	0.951	1.866	18.7	18.9

432455 2010 CG_{120} 7 16.7 95°.98 1°.7/17.6 18

6 10	20 9.76	−13 50.5	1.859	2.695	14.8	20.8
6 20	20 5.37	−14 19.6	1.787	2.702	11.5	20.6
6 30	19 58.81	−15 0.6	1.737	2.710	7.7	20.4
7 10	19 50.70	−15 51.1	1.711	2.718	3.8	20.2
7 20	19 41.89	−16 47.3	1.712	2.725	2.0	20.1
7 30	19 33.39	−17 44.9	1.740	2.733	5.6	20.3
8 9	19 26.17	−18 39.9	1.795	2.740	9.5	20.6
8 19	19 20.95	−19 29.6	1.872	2.747	12.9	20.8

448053 2008 FL_{66} 7 16.7 38°.58 8°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.81	−41 31.5	2.021	2.859	13.7	20.2
6 20	20 8.91	−42 47.8	1.966	2.868	11.3	20.1
6 30	20 1.29	−43 55.0	1.934	2.876	9.3	19.9
7 10	19 51.75	−44 46.0	1.925	2.885	8.1	19.9
7 20	19 41.38	−45 15.5	1.941	2.895	8.5	19.9
7 30	19 31.51	−45 21.0	1.981	2.904	10.1	20.1
8 9	19 23.36	−45 4.2	2.045	2.914	12.3	20.2
8 19	19 17.76	−44 28.9	2.128	2.924	14.4	20.4

5751 Zao 7 16.7 110°.07 1°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.03	−13 37.6	1.747	2.565	16.3	18.9
6 20	20 13.82	−14 35.5	1.693	2.600	12.6	18.8
6 30	20 4.15	−15 46.0	1.662	2.633	8.3	18.6
7 10	19 52.82	−17 4.4	1.657	2.664	3.7	18.4
7 20	19 40.89	−18 24.6	1.680	2.694	1.8	18.3
7 30	19 29.58	−19 40.8	1.733	2.723	5.9	18.6
8 9	19 19.98	−20 48.9	1.813	2.750	10.0	18.9
8 19	19 12.81	−21 46.8	1.918	2.776	13.4	19.2

177718 2005 GS_{161} 7 16.7 321°.29 5°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 5.73	− 6 42.0	1.273	2.121	19.6	18.9
6 20	20 3.38	− 6 47.9	1.190	2.105	16.1	18.7
6 30	19 58.16	− 7 17.9	1.124	2.089	12.0	18.4
7 10	19 50.65	− 8 13.4	1.078	2.074	7.8	18.1
7 20	19 41.85	− 9 31.8	1.055	2.060	5.8	17.9
7 30	19 33.15	−11 7.0	1.054	2.046	8.5	18.1
8 9	19 25.99	−12 50.4	1.077	2.034	13.0	18.3
8 19	19 21.51	−14 33.3	1.119	2.022	17.5	18.5

233832 2008 UR_{262} 7 16.7 100°.98 0°.9/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.16	−18 15.2	1.867	2.710	14.4	20.6
6 20	20 6.44	−18 18.0	1.793	2.715	11.1	20.4
6 30	19 59.49	−18 27.5	1.742	2.720	7.3	20.2
7 10	19 50.98	−18 41.8	1.715	2.724	3.2	20.0
7 20	19 41.78	−18 58.2	1.714	2.729	1.6	19.9
7 30	19 32.94	−19 14.4	1.741	2.733	5.6	20.1
8 9	19 25.45	−19 28.5	1.793	2.737	9.5	20.4
8 19	19 20.02	−19 39.5	1.868	2.742	13.0	20.6

474472 2003 SH_{211} 7 16.7 302°.85 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 8.67	−17 14.4	1.673	2.525	15.4	21.1
6 20	20 5.26	−17 45.1	1.568	2.495	12.1	20.8
6 30	19 59.23	−18 28.1	1.485	2.465	8.1	20.5
7 10	19 51.08	−19 20.9	1.425	2.435	3.5	20.1
7 20	19 41.64	−20 19.1	1.390	2.405	1.6	19.9
7 30	19 32.10	−21 17.6	1.382	2.375	6.6	20.2
8 9	19 23.75	−22 11.7	1.398	2.345	11.4	20.4
8 19	19 17.68	−22 58.4	1.436	2.316	15.7	20.6

257619 1999 TD_{74} 7 16.7 111°.89 3°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.34	−31 14.9	2.333	3.176	11.9	21.1
6 20	20 7.06	−31 41.2	2.262	3.181	9.3	20.9
6 30	19 59.75	−32 4.8	2.214	3.187	6.4	20.7
7 10	19 51.05	−32 21.9	2.192	3.192	4.0	20.6
7 20	19 41.77	−32 29.3	2.197	3.197	3.9	20.6
7 30	19 32.87	−32 25.5	2.230	3.202	6.3	20.8
8 9	19 25.23	−32 10.7	2.289	3.207	9.1	20.9
8 19	19 19.50	−31 46.5	2.371	3.212	11.7	21.1

111569 2002 AU_{10} 7 16.7 225°.98 0°.8/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 13.88	−16 46.4	1.747	2.587	15.4	19.8
6 20	20 8.95	−17 15.2	1.658	2.577	12.0	19.6
6 30	20 1.42	−17 55.0	1.589	2.566	8.0	19.3
7 10	19 51.90	−18 42.9	1.545	2.555	3.5	19.0
7 20	19 41.30	−19 34.5	1.528	2.543	1.6	18.9
7 30	19 30.83	−20 25.2	1.538	2.530	6.3	19.1
8 9	19 21.71	−21 11.3	1.574	2.516	10.8	19.4
8 19	19 14.89	−21 50.5	1.632	2.502	14.7	19.6

170855 2004 FK_{116} 7 16.7 172°.95 8°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.18	−49 19.0	2.796	3.586	11.6	21.3
6 20	20 14.22	−50 33.7	2.736	3.590	10.1	21.2
6 30	20 4.64	−51 37.0	2.698	3.592	8.9	21.1
7 10	19 53.14	−52 22.8	2.684	3.595	8.4	21.1
7 20	19 40.75	−52 46.6	2.696	3.596	8.7	21.1
7 30	19 28.76	−52 46.6	2.733	3.598	9.7	21.2
8 9	19 18.34	−52 24.5	2.793	3.598	11.1	21.3
8 19	19 10.36	−51 44.1	2.873	3.598	12.6	21.4

506585 2005 WJ_{20} 7 16.7 207°.68 3°.0/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.80	−12 53.4	2.196	3.013	13.4	22.8
6 20	20 7.42	−12 32.9	2.106	3.008	10.7	22.6
6 30	20 0.05	−12 20.4	2.037	3.001	7.5	22.4
7 10	19 51.23	−12 15.8	1.995	2.995	4.3	22.2
7 20	19 41.70	−12 18.2	1.980	2.987	3.1	22.1
7 30	19 32.38	−12 26.4	1.993	2.979	5.7	22.2
8 9	19 24.14	−12 38.6	2.033	2.970	9.0	22.4
8 19	19 17.69	−12 53.1	2.097	2.961	12.1	22.6

516292 2016 WZ_{42} 7 16.7 257°.16 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.54	−16 17.0	2.361	3.190	12.3	21.5
6 20	20 4.85	−16 3.6	2.267	3.179	9.6	21.3
6 30	19 58.34	−15 56.0	2.197	3.169	6.5	21.1
7 10	19 50.52	−15 53.4	2.152	3.158	3.2	20.9
7 20	19 42.05	−15 54.5	2.135	3.147	2.0	20.8
7 30	19 33.76	−15 58.1	2.146	3.136	5.0	21.0
8 9	19 26.45	−16 2.9	2.184	3.125	8.3	21.1
8 19	19 20.75	−16 8.0	2.247	3.114	11.3	21.3

512217 2015 TJ_{199} 7 16.7 314°.47 0°.6/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 7.47	−21 16.9	1.984	2.837	13.4	21.2
6 20	20 3.83	−21 36.3	1.886	2.814	10.3	21.0
6 30	19 57.98	−22 1.3	1.811	2.792	6.7	20.7
7 10	19 50.47	−22 29.2	1.759	2.770	2.8	20.4
7 20	19 42.05	−22 56.9	1.735	2.749	1.6	20.3
7 30	19 33.72	−23 21.1	1.737	2.728	5.8	20.5
8 9	19 26.50	−23 39.8	1.764	2.707	9.8	20.7
8 19	19 21.22	−23 52.0	1.814	2.687	13.3	20.9

352250 2007 TC_{168} 7 16.7 237°.60 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 10.71	−17 30.6	2.326	3.157	12.4	21.9
6 20	20 5.83	−17 33.3	2.231	3.145	9.6	21.7
6 30	19 59.03	−17 41.9	2.158	3.132	6.4	21.4
7 10	19 50.82	−17 55.0	2.111	3.120	2.9	21.2
7 20	19 41.90	−18 10.7	2.092	3.106	1.5	21.1
7 30	19 33.13	−18 26.8	2.102	3.093	5.0	21.3
8 9	19 25.34	−18 41.9	2.138	3.079	8.5	21.5
8 19	19 19.24	−18 54.7	2.199	3.064	11.6	21.7

282802 2006 QG_{92} 7 16.7 280°.65 0°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 12.23	−18 53.0	1.548	2.403	16.4	21.2
6 20	20 8.15	−19 5.9	1.452	2.380	12.8	20.9
6 30	20 1.19	−19 28.1	1.376	2.357	8.5	20.6
7 10	19 51.92	−19 56.7	1.324	2.334	3.6	20.3
7 20	19 41.31	−20 28.0	1.296	2.311	1.7	20.1
7 30	19 30.74	−20 57.9	1.295	2.288	7.0	20.4
8 9	19 21.61	−21 23.3	1.317	2.264	12.0	20.6
8 19	19 15.05	−21 42.6	1.360	2.241	16.4	20.8

21341 1997 CV_{19} 7 16.7 27°.23 1°.2/17.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 9.39	−15 32.2	1.324	2.186	18.1	17.2
6 20	20 5.93	−16 4.9	1.259	2.191	14.1	17.0
6 30	19 59.60	−16 52.4	1.214	2.195	9.3	16.7
7 10	19 51.16	−17 51.0	1.191	2.201	4.1	16.5
7 20	19 41.75	−18 55.0	1.192	2.206	1.9	16.3
7 30	19 32.78	−19 58.3	1.217	2.213	7.0	16.7
8 9	19 25.57	−20 55.6	1.266	2.219	11.8	17.0
8 19	19 21.04	−21 43.7	1.336	2.226	16.0	17.2

73133 2002 GD_{75} 7 16.7 337°.81 0°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.34	−20 4.6	1.273	2.143	18.2	19.3
6 20	20 7.68	−20 4.6	1.201	2.138	14.1	19.1
6 30	20 0.88	−20 12.5	1.149	2.133	9.3	18.8
7 10	19 51.74	−20 25.1	1.118	2.129	3.9	18.4
7 20	19 41.46	−20 39.0	1.110	2.125	1.9	18.3
7 30	19 31.62	−20 50.6	1.127	2.122	7.4	18.6
8 9	19 23.69	−20 58.0	1.166	2.119	12.6	18.9
8 19	19 18.70	−21 0.5	1.225	2.117	17.1	19.2

462578 2009 EX_{3} 7 16.7 66°.79 1°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 13.67	−20 46.3	1.295	2.161	18.2	20.6
6 20	20 9.19	−21 25.6	1.241	2.176	13.9	20.4
6 30	20 1.65	−22 13.6	1.206	2.191	9.0	20.1
7 10	19 51.96	−23 4.7	1.194	2.206	3.7	19.8
7 20	19 41.40	−23 52.5	1.207	2.221	2.3	19.8
7 30	19 31.50	−24 32.0	1.244	2.236	7.4	20.2
8 9	19 23.64	−25 0.6	1.305	2.251	12.1	20.5
8 19	19 18.69	−25 18.1	1.386	2.267	16.2	20.8

305283 2007 YC_{68} 7 16.7 222°.11 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 9.29	−18 48.4	2.253	3.091	12.5	21.7
6 20	20 4.77	−19 7.0	2.168	3.087	9.6	21.5
6 30	19 58.34	−19 31.8	2.106	3.083	6.3	21.2
7 10	19 50.54	−20 0.5	2.069	3.079	2.6	21.0
7 20	19 42.07	−20 30.3	2.060	3.075	1.2	20.9
7 30	19 33.81	−20 58.7	2.080	3.071	5.0	21.1
8 9	19 26.59	−21 23.6	2.125	3.066	8.5	21.4
8 19	19 21.08	−21 43.8	2.195	3.062	11.6	21.5

347449 2012 TW_{236} 7 16.7 98°.64 1°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.65	− 8 41.6	8.409	9.193	4.2	22.1
6 20	19 53.88	− 8 43.4	8.339	9.216	3.4	22.1
6 30	19 50.70	− 8 48.3	8.294	9.239	2.4	22.0
7 10	19 47.26	− 8 56.1	8.277	9.262	1.6	21.9
7 20	19 43.72	− 9 6.5	8.289	9.285	1.3	21.9
7 30	19 40.25	− 9 19.2	8.331	9.308	1.8	22.0
8 9	19 37.01	− 9 33.4	8.401	9.330	2.6	22.1
8 19	19 34.14	− 9 48.8	8.499	9.352	3.5	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
126927 2002 EE_{137}			7 16.7 299.°98		2.°4/17.7 18	
	h m	° ′			°	m
6 10	20 8.47	−13 46.2	1.626	2.473	16.1	19.8
6 20	20 5.05	−13 57.4	1.528	2.449	12.8	19.5
6 30	19 59.05	−14 22.2	1.450	2.425	8.8	19.2
7 10	19 51.01	−14 59.5	1.394	2.401	4.5	18.9
7 20	19 41.77	−15 46.4	1.364	2.377	2.7	18.7
7 30	19 32.53	−16 38.8	1.360	2.353	6.7	18.9
8 9	19 24.55	−17 32.2	1.379	2.330	11.3	19.1
8 19	19 18.83	−18 22.6	1.421	2.306	15.5	19.3
364325 2006 UO_{102}			7 16.7 41.°64		5.°8/19.5 16	
6 10	20 7.39	− 4 39.9	2.048	2.851	14.8	21.1
6 20	20 3.35	− 4 16.4	1.971	2.854	12.2	20.9
6 30	19 57.42	− 4 7.8	1.915	2.856	9.4	20.7
7 10	19 50.16	− 4 15.1	1.881	2.859	6.9	20.6
7 20	19 42.29	− 4 37.7	1.874	2.863	5.8	20.5
7 30	19 34.67	− 5 13.6	1.892	2.866	7.1	20.6
8 9	19 28.13	− 5 59.3	1.936	2.869	9.6	20.8
8 19	19 23.30	− 6 51.0	2.003	2.873	12.4	20.9
209344 2004 CL_{68}			7 16.7 234.°23		1.°3/17.3 18	
6 10	20 9.95	−16 17.2	2.300	3.130	12.5	21.5
6 20	20 5.27	−16 26.2	2.207	3.120	9.8	21.3
6 30	19 58.69	−16 42.5	2.136	3.110	6.5	21.1
7 10	19 50.71	−17 4.6	2.091	3.099	3.0	20.9
7 20	19 42.02	−17 30.3	2.074	3.088	1.6	20.7
7 30	19 33.48	−17 57.2	2.085	3.076	5.0	21.0
8 9	19 25.92	−18 23.2	2.123	3.065	8.5	21.2
8 19	19 20.03	−18 46.7	2.186	3.052	11.6	21.3
388999 2008 US_{123}			7 16.7 221.°48		1.°5/16.0 18	
6 10	20 13.12	−24 39.4	2.336	3.174	12.1	22.7
6 20	20 7.75	−25 0.0	2.245	3.164	9.3	22.5
6 30	20 0.31	−25 22.5	2.176	3.154	6.1	22.3
7 10	19 51.38	−25 43.9	2.135	3.144	2.7	22.0
7 20	19 41.70	−26 1.1	2.121	3.133	2.1	22.0
7 30	19 32.22	−26 11.8	2.136	3.121	5.4	22.2
8 9	19 23.84	−26 15.0	2.178	3.109	8.8	22.4
8 19	19 17.28	−26 11.2	2.244	3.096	11.9	22.5
75385 1999 XX_{92}			7 16.7 242.°65		0.°3/16.8 18	
6 10	20 10.22	−18 52.8	1.990	2.833	13.7	19.4
6 20	20 5.76	−19 12.8	1.906	2.828	10.6	19.2
6 30	19 59.13	−19 39.8	1.844	2.823	6.9	19.0
7 10	19 50.92	−20 11.4	1.807	2.817	2.9	18.7
7 20	19 41.93	−20 44.2	1.797	2.812	1.4	18.6
7 30	19 33.15	−21 15.2	1.814	2.806	5.5	18.9
8 9	19 25.57	−21 42.0	1.858	2.800	9.4	19.1
8 19	19 19.94	−22 3.2	1.924	2.794	12.8	19.3
89181 2001 UT_{65}			7 16.7 292.°16		5.°9/14.7 18	
6 10	20 14.57	−30 39.4	1.304	2.176	17.8	19.6
6 20	20 10.80	−31 35.1	1.221	2.156	14.1	19.3
6 30	20 3.38	−32 32.4	1.156	2.136	10.0	19.0
7 10	19 52.96	−33 22.5	1.114	2.116	6.5	18.8
7 20	19 40.85	−33 56.7	1.095	2.095	6.7	18.7
7 30	19 28.91	−34 8.8	1.099	2.075	10.5	18.9
8 9	19 19.04	−33 57.9	1.124	2.056	15.1	19.1
8 19	19 12.61	−33 27.8	1.168	2.036	19.4	19.3
102293 1999 TK_{79}			7 16.7 310.°15		2.°0/17.3 18	
6 10	20 8.37	−16 17.0	1.282	2.150	18.3	19.5
6 20	20 5.67	−16 16.6	1.189	2.123	14.5	19.2
6 30	19 59.85	−16 28.7	1.115	2.097	9.9	18.9
7 10	19 51.48	−16 52.3	1.062	2.072	4.7	18.5
7 20	19 41.57	−17 24.2	1.032	2.047	2.5	18.3
7 30	19 31.64	−18 0.3	1.026	2.022	7.8	18.5
8 9	19 23.31	−18 36.2	1.041	1.998	13.3	18.8
8 19	19 17.86	−19 8.5	1.076	1.975	18.4	19.0
428822 2008 TA_{106}			7 16.7 38.°84		8.°9/13.5 17	
6 10	20 15.91	−39 8.0	1.473	2.330	16.9	20.3
6 20	20 11.24	−40 24.5	1.423	2.341	13.8	20.1
6 30	20 3.15	−41 31.6	1.394	2.351	10.8	20.0
7 10	19 52.63	−42 19.8	1.387	2.363	9.0	19.9
7 20	19 41.14	−42 42.2	1.403	2.375	9.4	19.9
7 30	19 30.44	−42 36.2	1.442	2.387	11.5	20.1
8 9	19 22.06	−42 4.7	1.503	2.399	14.3	20.3
8 19	19 16.92	−41 13.7	1.583	2.412	17.1	20.5
296283 2009 DQ_{69}			7 16.7 34.°86		3.°9/15.9 17	
6 10	20 14.65	−28 27.0	1.072	1.956	19.9	20.1
6 20	20 10.53	−28 43.1	1.025	1.968	15.3	19.9
6 30	20 2.75	−28 57.8	0.996	1.982	10.2	19.6
7 10	19 52.45	−29 4.7	0.988	1.996	5.3	19.4
7 20	19 41.28	−28 58.8	1.002	2.012	4.6	19.4
7 30	19 31.14	−28 38.1	1.039	2.028	9.0	19.7
8 9	19 23.58	−28 4.9	1.097	2.045	13.8	20.0
8 19	19 19.47	−27 22.9	1.174	2.062	17.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
398936 2013 CL_{193}			7 16.7 138.°45		3.°9/18.6 18	
	h m	° ′			°	m
6 10	20 8.50	− 8 58.8	2.422	3.229	12.6	21.2
6 20	20 3.89	− 8 38.6	2.343	3.234	10.2	21.1
6 30	19 57.63	− 8 28.5	2.286	3.239	7.4	20.9
7 10	19 50.24	− 8 28.6	2.254	3.244	4.9	20.7
7 20	19 42.33	− 8 38.2	2.249	3.249	3.9	20.7
7 30	19 34.67	− 8 55.9	2.272	3.253	5.5	20.8
8 9	19 27.95	− 9 19.6	2.322	3.257	8.2	21.0
8 19	19 22.74	− 9 47.0	2.396	3.261	10.8	21.1
103642 2000 CG_{34}			7 16.7 121.°75		2.°9/18.0 18	
6 10	20 11.34	−12 10.6	1.676	2.511	16.2	20.0
6 20	20 6.82	−12 21.5	1.604	2.517	12.8	19.8
6 30	19 59.90	−12 46.2	1.553	2.523	8.8	19.6
7 10	19 51.26	−13 22.8	1.526	2.529	4.8	19.3
7 20	19 41.83	−14 8.3	1.524	2.535	3.0	19.2
7 30	19 32.75	−14 58.7	1.549	2.540	6.3	19.5
8 9	19 25.10	−15 49.6	1.599	2.546	10.3	19.7
8 19	19 19.66	−16 37.9	1.672	2.551	13.9	19.9
387255 2012 UM_{95}			7 16.7 336.°86		2.°4/17.6 18	
6 10	20 9.18	−14 54.8	1.668	2.515	15.7	20.4
6 20	20 5.27	−14 47.2	1.590	2.511	12.3	20.1
6 30	19 58.96	−14 49.7	1.532	2.507	8.4	19.9
7 10	19 50.90	−15 1.2	1.497	2.503	4.3	19.7
7 20	19 42.00	−15 19.8	1.488	2.500	2.7	19.5
7 30	19 33.39	−15 42.8	1.504	2.497	6.3	19.8
8 9	19 26.17	−16 7.3	1.545	2.494	10.4	20.0
8 19	19 21.14	−16 31.1	1.608	2.492	14.2	20.2
261966 2006 PU_{29}			7 16.7 339.°98		0.°9/16.5 17	
6 10	20 3.26	−22 56.7	0.944	1.848	20.2	19.6
6 20	20 2.51	−22 49.9	0.872	1.827	15.8	19.3
6 30	19 58.12	−22 48.2	0.815	1.808	10.4	18.9
7 10	19 50.84	−22 48.5	0.778	1.791	4.3	18.5
7 20	19 41.98	−22 46.5	0.760	1.775	2.5	18.3
7 30	19 33.45	−22 38.9	0.763	1.762	8.9	18.6
8 9	19 27.15	−22 24.5	0.784	1.751	15.0	18.9
8 19	19 24.37	−22 3.4	0.822	1.742	20.3	19.2
249786 2000 WD_{169}			7 16.7 214.°96		1.°1/17.5 18	
6 10	20 7.74	−15 8.0	3.028	3.845	10.1	21.0
6 20	20 3.14	−15 28.5	2.931	3.836	7.9	20.8
6 30	19 57.10	−15 55.6	2.858	3.828	5.3	20.6
7 10	19 50.03	−16 28.0	2.812	3.819	2.5	20.4
7 20	19 42.44	−17 3.6	2.796	3.809	1.4	20.3
7 30	19 34.95	−17 40.5	2.809	3.799	3.9	20.5
8 9	19 28.16	−18 16.6	2.850	3.788	6.7	20.7
8 19	19 22.60	−18 50.2	2.918	3.777	9.2	20.8
384004 2008 UW_{37}			7 16.7 71.°66		1.°5/17.3 17	
6 10	20 11.25	−17 3.9	1.786	2.629	15.0	21.2
6 20	20 6.59	−16 57.8	1.715	2.636	11.6	21.0
6 30	19 59.66	−16 59.3	1.665	2.642	7.7	20.8
7 10	19 51.13	−17 6.8	1.640	2.648	3.6	20.5
7 20	19 41.92	−17 18.2	1.640	2.654	1.9	20.4
7 30	19 33.10	−17 31.2	1.668	2.660	5.8	20.7
8 9	19 25.68	−17 43.9	1.721	2.667	9.8	20.9
8 19	19 20.39	−17 55.0	1.797	2.673	13.3	21.2
32947 1995 YH_{2}			7 16.7 246.°43		3.°2/17.9 18	R
6 10	20 9.20	−12 18.0	2.281	3.101	12.9	18.9
6 20	20 4.59	−11 51.9	2.195	3.098	10.3	18.7
6 30	19 58.18	−11 33.9	2.132	3.095	7.3	18.5
7 10	19 50.50	−11 23.9	2.094	3.092	4.4	18.3
7 20	19 42.23	−11 21.4	2.084	3.089	3.3	18.3
7 30	19 34.18	−11 25.5	2.101	3.086	5.5	18.4
8 9	19 27.14	−11 34.6	2.144	3.083	8.5	18.6
8 19	19 21.73	−11 46.8	2.212	3.080	11.4	18.8
245783 2006 HP_{1}			7 16.7 96.°12		3.°3/15.3 17	
6 10	20 13.22	−27 47.0	1.855	2.707	14.1	20.9
6 20	20 8.22	−28 31.9	1.790	2.716	10.9	20.7
6 30	20 0.78	−29 17.6	1.747	2.725	7.3	20.5
7 10	19 51.62	−29 58.8	1.729	2.734	4.0	20.3
7 20	19 41.71	−30 30.7	1.738	2.743	3.9	20.4
7 30	19 32.24	−30 50.2	1.773	2.752	7.0	20.6
8 9	19 24.29	−30 56.6	1.833	2.761	10.5	20.8
8 19	19 18.64	−30 51.4	1.916	2.769	13.6	21.0
191058 2002 CO_{105}			7 16.7 182.°52		1.°2/17.3 18	
6 10	20 11.42	−16 19.3	2.066	2.899	13.6	20.6
6 20	20 6.54	−16 33.0	1.985	2.900	10.6	20.4
6 30	19 59.58	−16 55.0	1.926	2.900	7.0	20.2
7 10	19 51.12	−17 23.2	1.892	2.900	3.2	19.9
7 20	19 41.95	−17 54.9	1.885	2.899	1.6	19.8
7 30	19 33.04	−18 27.2	1.907	2.898	5.3	20.0
8 9	19 25.29	−18 57.7	1.955	2.897	9.0	20.3
8 19	19 19.42	−19 24.6	2.026	2.895	12.3	20.5

253873 2004 BT_9 7 16.7 196°.17 0°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.80	−20 29.6	2.021	2.858	13.8	22.2
6 20	20 9.25	−20 45.8	1.936	2.855	10.6	22.0
6 30	20 1.41	−21 7.3	1.874	2.852	6.9	21.8
7 10	19 51.89	−21 31.1	1.837	2.848	2.8	21.5
7 20	19 41.57	−21 54.2	1.828	2.843	1.4	21.4
7 30	19 31.51	−22 13.8	1.847	2.837	5.6	21.7
8 9	19 22.72	−22 28.2	1.893	2.831	9.5	21.9
8 19	19 16.00	−22 36.9	1.963	2.824	12.9	22.1

127102 2002 GD_{86} 7 16.7 205°.64 7°.6/20.9 18

6 10	20 9.14	+ 2 13.5	2.217	2.977	15.1	20.7
6 20	20 4.64	+ 2 36.3	2.130	2.973	12.9	20.6
6 30	19 58.29	+ 2 40.7	2.061	2.969	10.6	20.4
7 10	19 50.59	+ 2 25.1	2.016	2.964	8.6	20.3
7 20	19 42.21	+ 1 49.1	1.995	2.958	7.7	20.2
7 30	19 33.98	+ 0 54.5	2.001	2.952	8.3	20.2
8 9	19 26.72	− 0 14.5	2.032	2.946	10.3	20.3
8 19	19 21.09	− 1 32.9	2.087	2.940	12.6	20.5

43177 1999 XQ_{198} 7 16.7 118°.34 5°.2/13.6 18

6 10	20 11.51	−35 7.1	2.441	3.281	11.6	19.0
6 20	20 6.62	−36 11.7	2.372	3.285	9.2	18.9
6 30	19 59.64	−37 12.9	2.327	3.288	6.9	18.7
7 10	19 51.15	−38 5.3	2.308	3.292	5.3	18.6
7 20	19 41.95	−38 44.5	2.315	3.295	5.6	18.7
7 30	19 33.02	−39 7.9	2.350	3.299	7.5	18.8
8 9	19 25.29	−39 15.1	2.410	3.302	9.8	18.9
8 19	19 19.46	−39 7.8	2.492	3.305	12.1	19.1

184483 2005 OX_{14} 7 16.7 302°.67 4°.1/14.9 17 R

6 10	20 11.37	−26 51.9	1.456	2.325	16.4	19.7
6 20	20 7.79	−27 52.0	1.375	2.311	12.8	19.5
6 30	20 1.10	−28 57.4	1.314	2.296	8.6	19.2
7 10	19 51.97	−30 1.0	1.275	2.282	4.8	18.9
7 20	19 41.50	−30 55.3	1.262	2.268	4.9	18.9
7 30	19 31.21	−31 34.1	1.273	2.254	8.8	19.1
8 9	19 22.64	−31 54.9	1.306	2.240	13.2	19.3
8 19	19 16.93	−31 58.8	1.360	2.227	17.2	19.5

519577 2012 SF_{71} 7 16.7 302°.70 1°.5/17.4 18

6 10	20 8.60	−15 52.4	1.659	2.509	15.6	21.7
6 20	20 5.08	−16 6.3	1.566	2.490	12.3	21.4
6 30	19 59.05	−16 31.5	1.493	2.471	8.3	21.1
7 10	19 51.05	−17 6.3	1.444	2.453	3.9	20.8
7 20	19 41.98	−17 47.4	1.420	2.434	2.0	20.6
7 30	19 32.98	−18 30.9	1.422	2.416	6.4	20.9
8 9	19 25.28	−19 12.9	1.449	2.398	10.9	21.1
8 19	19 19.82	−19 50.6	1.497	2.381	15.0	21.3

367750 2010 VA_{126} 7 16.7 334°.40 3°.4/15.3 18

6 10	20 1.93	−22 38.7	0.985	1.888	19.6	19.6
6 20	20 1.53	−23 44.9	0.909	1.864	15.3	19.3
6 30	19 57.60	−25 6.3	0.849	1.842	10.1	18.9
7 10	19 50.72	−26 35.9	0.809	1.821	4.8	18.6
7 20	19 42.08	−28 3.3	0.790	1.801	4.6	18.5
7 30	19 33.52	−29 17.7	0.791	1.784	10.2	18.7
8 9	19 27.03	−30 11.8	0.811	1.768	16.0	19.0
8 19	19 24.10	−30 43.2	0.848	1.755	21.2	19.2

520042 2013 VE_{29} 7 16.7 157°.08 1°.3/15.9 18

6 10	20 11.04	−21 12.6	2.018	2.863	13.5	21.1
6 20	20 6.42	−22 9.8	1.942	2.866	10.3	20.9
6 30	19 59.60	−23 14.0	1.888	2.868	6.6	20.7
7 10	19 51.18	−24 20.8	1.860	2.871	2.8	20.4
7 20	19 41.97	−25 25.0	1.860	2.873	2.1	20.4
7 30	19 32.98	−26 22.1	1.888	2.875	5.9	20.6
8 9	19 25.22	−27 9.2	1.942	2.876	9.6	20.9
8 19	19 19.43	−27 45.2	2.019	2.878	12.8	21.1

71987 2000 WU_{160} 7 16.7 155°.70 4°.1/18.5 18

6 10	20 11.70	− 9 59.1	1.553	2.386	17.3	19.4
6 20	20 7.32	− 9 59.7	1.480	2.389	13.9	19.1
6 30	20 0.37	−10 16.6	1.425	2.391	9.9	18.9
7 10	19 51.53	−10 48.9	1.394	2.393	5.9	18.7
7 20	19 41.80	−11 34.1	1.387	2.395	4.2	18.6
7 30	19 32.39	−12 28.0	1.407	2.396	7.0	18.8
8 9	19 24.48	−13 25.6	1.450	2.398	11.1	19.0
8 19	19 18.94	−14 22.6	1.516	2.399	14.9	19.2

218383 2004 ND_{24} 7 16.7 310°.44 1°.2/16.4 18

6 10	20 13.06	−25 44.4	2.147	2.990	12.8	19.5
6 20	20 7.77	−25 29.3	2.061	2.984	9.9	19.3
6 30	20 0.35	−25 13.4	1.998	2.977	6.4	19.1
7 10	19 51.44	−24 54.4	1.961	2.971	2.8	18.8
7 20	19 41.88	−24 30.8	1.951	2.965	1.8	18.7
7 30	19 32.66	−24 1.9	1.970	2.959	5.5	19.0
8 9	19 24.71	−23 28.4	2.015	2.953	9.1	19.2
8 19	19 18.74	−22 51.6	2.084	2.947	12.2	19.4

470841 2008 XJ_{13} 7 16.7 283°.79 2°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.99	−25 23.9	1.848	2.699	14.2	22.1
6 20	20 8.42	−25 47.6	1.747	2.674	11.1	21.8
6 30	20 1.23	−26 14.2	1.668	2.648	7.3	21.6
7 10	19 51.97	−26 39.7	1.613	2.622	3.5	21.3
7 20	19 41.55	−26 59.7	1.585	2.596	2.9	21.2
7 30	19 31.18	−27 10.8	1.583	2.570	6.9	21.4
8 9	19 22.12	−27 11.7	1.607	2.543	11.1	21.5
8 19	19 15.35	−27 2.8	1.653	2.516	14.9	21.7

469581 2003 YU_{35} 7 16.7 311°.55 2°.7/17.3 18

6 10	20 11.15	−16 35.3	1.588	2.438	16.2	19.9
6 20	20 7.44	−16 3.4	1.473	2.396	13.0	19.6
6 30	20 0.89	−15 37.3	1.378	2.354	9.0	19.3
7 10	19 51.96	−15 17.0	1.305	2.312	4.7	18.9
7 20	19 41.51	−15 1.9	1.258	2.270	3.1	18.7
7 30	19 30.83	−14 51.3	1.235	2.228	7.4	18.8
8 9	19 21.35	−14 44.2	1.237	2.186	12.4	19.0
8 19	19 14.30	−14 39.6	1.259	2.144	17.2	19.2

476125 2007 TS_{224} 7 16.7 266°.63 1°.6/17.4 18

6 10	20 10.12	−15 50.5	2.083	2.917	13.5	22.0
6 20	20 5.71	−15 56.0	1.984	2.899	10.6	21.8
6 30	19 59.17	−16 10.0	1.907	2.881	7.1	21.5
7 10	19 51.04	−16 30.9	1.856	2.863	3.4	21.3
7 20	19 42.05	−16 56.5	1.831	2.845	1.9	21.1
7 30	19 33.14	−17 24.4	1.834	2.826	5.5	21.3
8 9	19 25.28	−17 52.0	1.864	2.807	9.3	21.5
8 19	19 19.25	−18 17.5	1.916	2.788	12.8	21.7

31471 Sallyalbright 7 16.7 187°.83 4°.2/15.2 18

6 10	20 16.84	−28 23.0	1.546	2.404	16.2	17.9
6 20	20 11.67	−29 15.4	1.475	2.404	12.6	17.7
6 30	20 3.42	−30 9.3	1.425	2.403	8.6	17.5
7 10	19 52.86	−30 57.8	1.398	2.402	4.9	17.2
7 20	19 41.19	−31 34.3	1.397	2.401	4.9	17.2
7 30	19 29.95	−31 54.3	1.421	2.399	8.4	17.4
8 9	19 20.58	−31 57.2	1.469	2.397	12.5	17.7
8 19	19 14.08	−31 45.4	1.539	2.395	16.2	17.9

479222 2013 CV_{178} 7 16.7 96°.50 5°.6/14.7 18

6 10	20 17.10	−38 34.4	2.363	3.192	12.3	21.7
6 20	20 10.75	−39 1.2	2.302	3.204	9.9	21.6
6 30	20 2.19	−39 20.2	2.263	3.217	7.5	21.5
7 10	19 52.16	−39 26.6	2.250	3.229	5.8	21.4
7 20	19 41.63	−39 17.6	2.264	3.241	5.8	21.4
7 30	19 31.67	−38 52.3	2.304	3.254	7.5	21.5
8 9	19 23.24	−38 12.4	2.371	3.265	9.8	21.7
8 19	19 16.98	−37 21.4	2.461	3.277	12.1	21.9

320756 2008 EZ_{68} 7 16.7 321°.28 1°.6/17.9 18

6 10	20 7.47	−10 22.4	1.915	2.743	14.7	19.2
6 20	20 3.98	−11 40.7	1.811	2.722	11.7	19.0
6 30	19 58.26	−13 19.5	1.730	2.701	8.0	18.7
7 10	19 50.77	−15 16.0	1.674	2.680	4.0	18.4
7 20	19 42.21	−17 24.3	1.647	2.661	1.9	18.2
7 30	19 33.56	−19 36.5	1.648	2.641	5.8	18.5
8 9	19 25.88	−21 44.5	1.677	2.622	10.0	18.7
8 19	19 20.09	−23 42.1	1.731	2.604	13.8	18.9

58481 1996 ST_4 7 16.7 345°.14 2°.7/15.9 18

6 10	20 9.00	−25 15.3	1.321	2.198	17.2	19.2
6 20	20 5.99	−25 43.6	1.249	2.190	13.3	19.0
6 30	19 59.89	−26 16.0	1.197	2.183	8.8	18.7
7 10	19 51.47	−26 47.1	1.166	2.176	4.2	18.4
7 20	19 41.92	−27 11.4	1.159	2.171	3.5	18.3
7 30	19 32.76	−27 24.7	1.176	2.166	8.0	18.6
8 9	19 25.48	−27 25.7	1.215	2.163	12.8	18.9
8 19	19 21.07	−27 15.2	1.274	2.160	16.9	19.1

101975 1999 RB_{50} 7 16.7 270°.29 2°.6/17.6 18

6 10	20 13.36	−14 48.2	1.697	2.535	15.9	19.9
6 20	20 8.80	−14 38.5	1.594	2.510	12.6	19.7
6 30	20 1.56	−14 38.6	1.512	2.485	8.7	19.4
7 10	19 52.18	−14 47.9	1.454	2.459	4.5	19.1
7 20	19 41.55	−15 4.5	1.421	2.433	2.9	18.9
7 30	19 30.89	−15 26.1	1.414	2.406	6.8	19.1
8 9	19 21.50	−15 49.9	1.433	2.378	11.4	19.3
8 19	19 14.41	−16 13.6	1.474	2.350	15.6	19.5

342382 2008 UF_{31} 7 16.7 288°.39 2°.3/17.6 18

6 10	20 9.60	−14 35.6	1.759	2.601	15.2	21.4
6 20	20 5.64	−14 36.3	1.669	2.587	12.0	21.2
6 30	19 59.31	−14 47.5	1.599	2.573	8.2	20.9
7 10	19 51.17	−15 8.2	1.554	2.560	4.2	20.7
7 20	19 42.08	−15 36.1	1.534	2.546	2.5	20.5
7 30	19 33.13	−16 8.3	1.540	2.532	6.2	20.7
8 9	19 25.44	−16 41.4	1.571	2.519	10.4	20.9
8 19	19 19.86	−17 13.1	1.625	2.506	14.2	21.2

55497 2001 UA_{83} 7 16.8 32°.03 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.14	−19 23.3	2.000	2.845	13.5	19.7
6 20	20 4.91	−19 44.8	1.924	2.847	10.4	19.5
6 30	19 58.59	−20 12.8	1.870	2.849	6.8	19.2
7 10	19 50.79	−20 44.6	1.841	2.852	2.8	19.0
7 20	19 42.31	−21 17.0	1.839	2.854	1.3	18.9
7 30	19 34.11	−21 47.0	1.864	2.856	5.4	19.2
8 9	19 27.11	−22 12.4	1.916	2.859	9.1	19.4
8 19	19 22.02	−22 32.0	1.990	2.862	12.4	19.6

281750 2009 AQ_{36} 7 16.8 312°.59 0°.9/17.2 17

6 10	20 9.24	−16 30.3	1.851	2.695	14.5	20.9
6 20	20 5.18	−16 55.4	1.770	2.692	11.3	20.7
6 30	19 58.88	−17 30.4	1.712	2.689	7.5	20.5
7 10	19 50.95	−18 12.8	1.678	2.687	3.3	20.2
7 20	19 42.21	−18 58.9	1.670	2.685	1.6	20.1
7 30	19 33.71	−19 44.9	1.689	2.682	5.7	20.3
8 9	19 26.45	−20 27.5	1.734	2.680	9.7	20.6
8 19	19 21.22	−21 4.3	1.802	2.678	13.2	20.8

422846 2002 GL_{72} 7 16.8 166°.72 5°.9/13.9 17

6 10	20 16.92	−36 5.4	2.149	2.986	13.0	21.2
6 20	20 11.06	−37 6.1	2.080	2.990	10.4	21.0
6 30	20 2.69	−38 1.9	2.034	2.993	7.8	20.9
7 10	19 52.50	−38 46.7	2.013	2.996	6.1	20.8
7 20	19 41.48	−39 15.2	2.019	2.999	6.3	20.8
7 30	19 30.84	−39 24.7	2.052	3.001	8.3	20.9
8 9	19 21.73	−39 16.0	2.109	3.002	11.0	21.1
8 19	19 14.94	−38 51.8	2.189	3.003	13.5	21.3

430633 2003 QH_{90} 7 16.8 270°.41 10°.4/22.4 18

6 10	20 9.97	+ 6 0.3	1.650	2.412	19.4	21.1
6 20	20 6.15	+ 6 11.1	1.553	2.394	17.0	20.9
6 30	19 59.81	+ 5 53.4	1.472	2.374	14.4	20.6
7 10	19 51.46	+ 5 2.8	1.411	2.355	11.9	20.4
7 20	19 41.92	+ 3 38.0	1.372	2.335	10.4	20.3
7 30	19 32.33	+ 1 42.1	1.358	2.314	11.0	20.3
8 9	19 23.92	− 0 37.0	1.368	2.294	13.4	20.4
8 19	19 17.69	− 3 8.7	1.401	2.273	16.5	20.5

134619 1999 TA_{260} 7 16.8 344°.70 4°.7/18.2 17

6 10	20 3.46	−12 20.6	1.037	1.918	20.6	19.1
6 20	20 2.14	−11 58.1	0.967	1.905	16.6	18.8
6 30	19 57.63	−11 53.2	0.913	1.893	11.8	18.5
7 10	19 50.64	−12 6.9	0.878	1.883	6.9	18.2
7 20	19 42.34	−12 37.5	0.864	1.875	4.8	18.1
7 30	19 34.35	−13 20.9	0.871	1.868	8.7	18.2
8 9	19 28.26	−14 10.9	0.898	1.863	13.9	18.5
8 19	19 25.22	−15 1.6	0.943	1.859	18.7	18.8

169860 2002 RW_{56} 7 16.8 258°.22 6°.0/19.6 18

6 10	20 8.09	− 4 1.1	2.052	2.850	14.9	20.2
6 20	20 4.01	− 3 40.3	1.966	2.845	12.4	20.0
6 30	19 58.00	− 3 35.0	1.900	2.839	9.6	19.8
7 10	19 50.56	− 3 46.2	1.857	2.833	7.1	19.6
7 20	19 42.41	− 4 13.6	1.840	2.828	6.0	19.6
7 30	19 34.44	− 4 55.3	1.849	2.822	7.3	19.6
8 9	19 27.50	− 5 47.5	1.883	2.816	9.9	19.8
8 19	19 22.28	− 6 46.0	1.941	2.810	12.7	19.9

152847 1999 VZ_{156} 7 16.8 242°.40 0°.7/16.4 18

6 10	20 9.00	−22 10.3	2.662	3.498	10.8	21.1
6 20	20 4.40	−22 30.1	2.568	3.487	8.3	20.9
6 30	19 58.10	−22 53.2	2.498	3.476	5.4	20.7
7 10	19 50.57	−23 17.3	2.455	3.465	2.2	20.5
7 20	19 42.43	−23 39.9	2.440	3.454	1.4	20.4
7 30	19 34.43	−23 59.0	2.454	3.442	4.6	20.6
8 9	19 27.31	−24 13.1	2.495	3.430	7.7	20.8
8 19	19 21.66	−24 21.9	2.561	3.418	10.4	21.0

237701 2001 UM_{74} 7 16.8 317°.66 6°.7/13.3 18

6 10	20 11.55	−35 16.6	1.817	2.673	14.3	19.7
6 20	20 7.57	−36 31.1	1.739	2.660	11.5	19.5
6 30	20 0.79	−37 43.0	1.682	2.647	8.7	19.3
7 10	19 51.85	−38 44.6	1.650	2.635	6.9	19.2
7 20	19 41.79	−39 29.3	1.642	2.624	7.3	19.2
7 30	19 31.94	−39 52.5	1.660	2.612	9.7	19.3
8 9	19 23.66	−39 53.9	1.700	2.601	12.7	19.5
8 19	19 17.94	−39 35.9	1.761	2.591	15.6	19.7

267381 2001 XA_{229} 7 16.8 339°.62 2°.3/16.1 18

6 10	20 9.54	−24 55.4	1.306	2.182	17.4	19.2
6 20	20 6.46	−25 14.5	1.232	2.172	13.5	18.9
6 30	20 0.24	−25 37.4	1.177	2.163	8.9	18.6
7 10	19 51.66	−25 59.3	1.144	2.155	4.1	18.3
7 20	19 41.90	−26 15.1	1.135	2.147	3.2	18.3
7 30	19 32.53	−26 21.1	1.149	2.140	7.9	18.5
8 9	19 25.04	−26 16.1	1.185	2.135	12.8	18.8
8 19	19 20.47	−26 1.3	1.241	2.130	17.1	19.0

297013 2010 FL_{90} 7 16.8 168°.29 5°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.49	− 4 48.3	2.239	3.031	14.0	21.4
6 20	20 4.86	− 4 30.0	2.157	3.034	11.5	21.2
6 30	19 58.42	− 4 25.6	2.097	3.037	8.8	21.0
7 10	19 50.70	− 4 35.6	2.061	3.039	6.4	20.9
7 20	19 42.39	− 4 59.4	2.051	3.041	5.3	20.8
7 30	19 34.30	− 5 35.3	2.069	3.042	6.6	20.9
8 9	19 27.21	− 6 19.8	2.112	3.043	9.1	21.1
8 19	19 21.74	− 7 9.6	2.180	3.044	11.8	21.2

117670 2005 EG_{210} 7 16.8 7°.72 1°.4/16.4 18

6 10	20 7.77	−23 7.8	1.015	1.908	20.0	19.4
6 20	20 5.53	−23 15.2	0.959	1.908	15.4	19.2
6 30	19 59.77	−23 28.3	0.920	1.910	10.0	18.9
7 10	19 51.46	−23 42.7	0.902	1.914	4.2	18.6
7 20	19 42.04	−23 53.5	0.905	1.919	2.6	18.5
7 30	19 33.31	−23 57.0	0.929	1.925	8.3	18.8
8 9	19 26.88	−23 51.9	0.974	1.933	13.7	19.2
8 19	19 23.72	−23 39.1	1.037	1.943	18.3	19.5

503118 2015 FG_{330} 7 16.8 127°.99 3°.4/15.1 17

6 10	20 14.43	−27 54.8	1.961	2.808	13.7	21.5
6 20	20 9.11	−28 48.9	1.895	2.818	10.5	21.3
6 30	20 1.39	−29 43.9	1.851	2.828	7.1	21.1
7 10	19 51.97	−30 34.4	1.834	2.837	4.0	20.9
7 20	19 41.80	−31 15.2	1.843	2.847	4.0	21.0
7 30	19 32.02	−31 43.0	1.880	2.856	6.9	21.2
8 9	19 23.70	−31 57.0	1.942	2.864	10.2	21.4
8 19	19 17.61	−31 58.5	2.027	2.872	13.2	21.6

284519 2007 RD_{80} 7 16.8 204°.84 2°.7/15.7 17

6 10	20 13.61	−27 43.8	2.022	2.869	13.4	20.8
6 20	20 8.44	−28 5.8	1.943	2.867	10.3	20.6
6 30	20 0.94	−28 27.8	1.887	2.865	6.9	20.4
7 10	19 51.79	−28 45.6	1.857	2.863	3.6	20.2
7 20	19 41.89	−28 55.7	1.853	2.861	3.2	20.1
7 30	19 32.33	−28 56.0	1.877	2.859	6.4	20.3
8 9	19 24.15	−28 46.2	1.926	2.856	9.9	20.5
8 19	19 18.10	−28 27.6	1.999	2.854	13.0	20.7

521046 2015 DD_{236} 7 16.8 255°.19 5°.0/14.7 17

6 10	20 14.82	−30 41.9	1.690	2.545	15.1	21.9
6 20	20 10.07	−31 37.9	1.611	2.537	11.9	21.7
6 30	20 2.41	−32 34.0	1.553	2.528	8.3	21.4
7 10	19 52.52	−33 23.2	1.520	2.520	5.4	21.3
7 20	19 41.50	−33 59.1	1.512	2.511	5.5	21.2
7 30	19 30.77	−34 17.4	1.530	2.502	8.6	21.4
8 9	19 21.70	−34 17.5	1.572	2.493	12.3	21.6
8 19	19 15.32	−34 1.7	1.635	2.483	15.7	21.8

472283 2014 WK_{4} 7 16.8 80°.57 5°.3/14.8 17

6 10	20 15.80	−30 11.4	1.428	2.292	16.9	20.9
6 20	20 11.05	−31 14.8	1.369	2.300	13.2	20.7
6 30	20 3.08	−32 17.9	1.330	2.307	9.1	20.4
7 10	19 52.77	−33 12.7	1.314	2.315	5.9	20.3
7 20	19 41.43	−33 51.7	1.322	2.322	6.0	20.3
7 30	19 30.68	−34 10.7	1.356	2.330	9.2	20.5
8 9	19 22.00	−34 9.9	1.412	2.337	13.1	20.8
8 19	19 16.36	−33 52.6	1.488	2.345	16.6	21.0

519443 2011 WN_{158} 7 16.8 311°.14 2°.2/15.5 18

6 10	20 8.71	−23 44.4	2.007	2.860	13.2	20.3
6 20	20 4.82	−24 40.2	1.922	2.850	10.1	20.0
6 30	19 58.71	−25 41.6	1.860	2.841	6.6	19.8
7 10	19 50.93	−26 44.1	1.823	2.832	3.1	19.6
7 20	19 42.28	−27 42.6	1.813	2.823	2.8	19.5
7 30	19 33.77	−28 32.7	1.831	2.815	6.3	19.7
8 9	19 26.43	−29 11.5	1.874	2.807	9.9	19.9
8 19	19 21.06	−29 38.5	1.940	2.799	13.2	20.1

52052 2002 PJ_{115} 7 16.8 335°.53 10°.8/21.5 18

6 10	20 3.52	+ 2 33.6	1.472	2.274	19.6	18.1
6 20	20 1.31	+ 3 23.5	1.389	2.258	17.1	17.9
6 30	19 56.67	+ 3 49.0	1.322	2.242	14.4	17.7
7 10	19 50.16	+ 3 45.2	1.274	2.227	12.0	17.5
7 20	19 42.63	+ 3 9.9	1.247	2.214	10.8	17.4
7 30	19 35.22	+ 2 4.4	1.242	2.201	11.5	17.4
8 9	19 29.09	+ 0 34.8	1.258	2.190	13.8	17.5
8 19	19 25.19	− 1 10.6	1.295	2.179	16.8	17.6

44735 1999 TJ_{27} 7 16.8 332°.23 1°.2/16.3 18

6 10	20 10.81	−22 55.1	1.655	2.514	15.3	18.4
6 20	20 6.73	−23 12.9	1.578	2.509	11.7	18.2
6 30	20 0.06	−23 35.2	1.521	2.504	7.7	18.0
7 10	19 51.50	−23 58.5	1.489	2.500	3.2	17.7
7 20	19 42.03	−24 18.7	1.482	2.496	2.1	17.6
7 30	19 32.89	−24 32.9	1.501	2.492	6.5	17.9
8 9	19 25.26	−24 39.4	1.544	2.488	10.8	18.1
8 19	19 20.00	−24 38.4	1.609	2.485	14.6	18.3

169735 2002 NJ_{58} 7 16.8 331.°84 7.°5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.86	− 6 17.8	1.621	2.443	17.2	19.7
6 20	20 5.12	− 5 6.8	1.539	2.433	14.3	19.5
6 30	19 58.97	− 4 8.9	1.476	2.424	11.2	19.3
7 10	19 51.05	− 3 27.5	1.436	2.414	8.5	19.1
7 20	19 42.23	− 3 4.7	1.419	2.406	7.5	19.0
7 30	19 33.64	− 3 0.9	1.427	2.398	9.1	19.1
8 9	19 26.37	− 3 13.7	1.457	2.391	12.2	19.2
8 19	19 21.28	− 3 39.3	1.509	2.384	15.4	19.4

240677 2005 ES_{124} 7 16.8 34.°49 2.°4/15.7 18

6 10	20 10.91	−25 18.0	1.753	2.611	14.6	20.1
6 20	20 6.63	−25 55.6	1.685	2.616	11.2	19.9
6 30	19 59.88	−26 36.3	1.639	2.621	7.3	19.7
7 10	19 51.38	−27 15.2	1.617	2.626	3.5	19.5
7 20	19 42.10	−27 47.7	1.621	2.631	3.1	19.5
7 30	19 33.22	−28 10.4	1.651	2.637	6.7	19.7
8 9	19 25.83	−28 22.0	1.706	2.643	10.5	19.9
8 19	19 20.72	−28 23.2	1.783	2.649	13.9	20.2

180079 2003 DU_2 7 16.8 78.°17 2.°9/15.7 18

6 10	20 13.64	−29 20.8	2.118	2.963	12.9	19.9
6 20	20 8.19	−29 37.9	2.055	2.977	9.9	19.8
6 30	20 0.60	−29 53.0	2.014	2.990	6.7	19.6
7 10	19 51.59	−30 2.4	1.999	3.004	3.7	19.4
7 20	19 42.04	−30 3.4	2.012	3.017	3.4	19.4
7 30	19 32.98	−29 54.3	2.051	3.031	6.1	19.6
8 9	19 25.32	−29 35.8	2.117	3.044	9.3	19.9
8 19	19 19.72	−29 9.6	2.206	3.058	12.1	20.1

468743 2010 VB_{196} 7 16.8 67.°73 5.°6/18.8 17

6 10	20 11.84	− 8 38.1	1.461	2.294	18.3	21.2
6 20	20 7.40	− 8 6.3	1.399	2.305	14.7	21.0
6 30	20 0.39	− 7 50.8	1.357	2.317	10.8	20.8
7 10	19 51.58	− 7 52.2	1.336	2.329	7.1	20.6
7 20	19 42.03	− 8 9.7	1.340	2.341	5.6	20.5
7 30	19 32.97	− 8 40.3	1.368	2.353	7.9	20.7
8 9	19 25.55	− 9 19.7	1.420	2.365	11.5	20.9
8 19	19 20.55	−10 3.5	1.494	2.377	15.1	21.2

103535 2000 BT_{16} 7 16.8 137.°10 1.°5/16.1 18

6 10	20 12.06	−23 41.9	2.080	2.925	13.1	20.2
6 20	20 7.10	−24 11.8	2.007	2.931	10.0	20.0
6 30	19 59.99	−24 45.1	1.957	2.936	6.5	19.8
7 10	19 51.39	−25 17.9	1.932	2.942	2.9	19.6
7 20	19 42.11	−25 46.6	1.935	2.947	2.2	19.5
7 30	19 33.16	−26 8.6	1.965	2.952	5.7	19.8
8 9	19 25.47	−26 22.4	2.021	2.956	9.2	20.0
8 19	19 19.76	−26 28.1	2.101	2.961	12.3	20.2

79975 1999 CS_{139} 7 16.8 99.°24 0.°5/17.0 18

6 10	20 9.60	−18 11.3	2.030	2.872	13.5	20.4
6 20	20 5.24	−18 28.5	1.951	2.872	10.4	20.2
6 30	19 58.82	−18 52.8	1.895	2.873	6.8	20.0
7 10	19 50.92	−19 21.9	1.864	2.873	2.9	19.7
7 20	19 42.33	−19 52.9	1.859	2.874	1.3	19.6
7 30	19 34.00	−20 22.8	1.882	2.875	5.3	19.9
8 9	19 26.85	−20 49.3	1.931	2.875	9.0	20.1
8 19	19 21.57	−21 11.2	2.004	2.876	12.3	20.3

48513 1993 FB_{22} 7 16.8 219.°98 0.°7/16.5 18

6 10	20 14.33	−21 35.1	1.884	2.727	14.3	19.8
6 20	20 9.18	−21 55.1	1.797	2.719	11.1	19.5
6 30	20 1.56	−22 20.3	1.732	2.712	7.2	19.3
7 10	19 52.11	−22 47.5	1.693	2.703	3.0	19.0
7 20	19 41.74	−23 12.9	1.680	2.694	1.7	18.9
7 30	19 31.59	−23 33.3	1.695	2.685	6.1	19.2
8 9	19 22.78	−23 47.1	1.735	2.675	10.2	19.4
8 19	19 16.19	−23 53.9	1.799	2.664	13.8	19.6

63299 2001 EH_8 7 16.8 10.°67 4.°5/18.9 17

6 10	20 6.20	− 8 42.0	1.479	2.321	17.6	18.9
6 20	20 3.23	− 8 49.8	1.410	2.323	14.1	18.7
6 30	19 57.79	− 9 16.2	1.360	2.326	10.2	18.5
7 10	19 50.58	−10 0.7	1.332	2.330	6.3	18.2
7 20	19 42.53	−11 0.0	1.327	2.334	4.5	18.1
7 30	19 34.80	−12 9.1	1.348	2.339	7.0	18.3
8 9	19 28.53	−13 22.0	1.392	2.345	11.0	18.6
8 19	19 24.53	−14 33.2	1.458	2.352	14.7	18.8

458178 2010 ND_1 7 16.8 10.°27 4.°6/20.5 17

6 10	20 4.28	+ 3 59.3	0.860	1.703	27.0	19.1
6 20	20 3.24	+ 1 7.2	0.795	1.706	22.4	18.8
6 30	19 58.64	− 2 54.2	0.746	1.711	16.4	18.5
7 10	19 51.20	− 7 59.3	0.718	1.718	9.6	18.2
7 20	19 42.17	−13 44.2	0.715	1.727	4.6	18.0
7 30	19 33.44	−19 31.4	0.739	1.739	8.8	18.2
8 9	19 26.92	−24 44.7	0.788	1.752	15.3	18.6
8 19	19 23.97	−29 3.1	0.859	1.768	20.8	19.0

45104 1999 XY_{73} 7 16.8 246.°89 0.°7/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.90	−18 27.2	1.832	2.672	14.8	18.9
6 20	20 8.97	−18 35.0	1.737	2.657	11.6	18.6
6 30	20 1.53	−18 50.3	1.664	2.641	7.7	18.4
7 10	19 52.16	−19 10.7	1.614	2.624	3.3	18.1
7 20	19 41.75	−19 33.4	1.592	2.607	1.6	17.9
7 30	19 31.45	−19 55.2	1.597	2.589	6.1	18.2
8 9	19 22.43	−20 14.0	1.628	2.571	10.4	18.4
8 19	19 15.62	−20 28.5	1.681	2.552	14.3	18.6

446690 2015 OO_{18} 7 16.8 42.°52 0.°5/17.1 18

6 10	20 8.22	−16 37.5	2.051	2.891	13.4	21.3
6 20	20 4.18	−17 16.4	1.975	2.895	10.4	21.1
6 30	19 58.14	−18 4.8	1.921	2.899	6.8	20.9
7 10	19 50.67	−18 59.6	1.893	2.903	2.9	20.7
7 20	19 42.52	−19 57.0	1.892	2.907	1.3	20.6
7 30	19 34.61	−20 52.9	1.919	2.912	5.2	20.9
8 9	19 27.82	−21 44.0	1.972	2.916	8.9	21.1
8 19	19 22.84	−22 28.2	2.049	2.921	12.1	21.3

393384 2000 FR_1 7 16.8 162.°52 2.°7/18.0 16

6 10	20 9.73	−12 38.5	2.160	2.983	13.4	22.1
6 20	20 5.16	−12 36.5	2.079	2.986	10.6	21.9
6 30	19 58.69	−12 44.1	2.021	2.988	7.4	21.7
7 10	19 50.88	−13 0.6	1.988	2.989	4.1	21.5
7 20	19 42.44	−13 24.1	1.982	2.991	2.8	21.5
7 30	19 34.24	−13 52.5	2.003	2.992	5.3	21.6
8 9	19 27.13	−14 23.1	2.051	2.994	8.6	21.8
8 19	19 21.73	−14 53.7	2.123	2.995	11.7	22.0

479886 2014 HC_{12} 7 16.8 80.°19 5.°7/13.9 16

6 10	20 13.31	−35 12.4	2.117	2.961	12.9	21.3
6 20	20 8.29	−36 15.3	2.055	2.970	10.3	21.2
6 30	20 0.89	−37 13.9	2.015	2.978	7.6	21.0
7 10	19 51.81	−38 2.2	2.001	2.986	5.8	20.9
7 20	19 41.99	−38 35.3	2.013	2.995	6.1	21.0
7 30	19 32.57	−38 50.5	2.051	3.003	8.1	21.1
8 9	19 24.59	−38 48.1	2.114	3.012	10.7	21.3
8 19	19 18.83	−38 30.5	2.199	3.020	13.2	21.5

286616 2002 DP_{17} 7 16.8 117.°47 2.°2/16.0 17

6 10	20 17.44	−24 57.1	1.558	2.411	16.3	21.7
6 20	20 11.80	−25 25.5	1.496	2.424	12.5	21.4
6 30	20 3.32	−25 56.7	1.455	2.436	8.2	21.2
7 10	19 52.83	−26 25.5	1.438	2.448	3.7	21.0
7 20	19 41.53	−26 47.0	1.447	2.459	3.0	21.0
7 30	19 30.84	−26 58.3	1.483	2.470	7.1	21.2
8 9	19 22.01	−26 58.7	1.543	2.480	11.3	21.5
8 19	19 15.89	−26 49.8	1.625	2.491	15.0	21.8

386371 2008 TJ_{145} 7 16.8 290.°84 0.°5/16.9 16

6 10	20 10.69	−18 41.2	1.730	2.580	15.1	21.8
6 20	20 6.51	−18 55.2	1.649	2.574	11.7	21.6
6 30	19 59.89	−19 17.2	1.588	2.568	7.7	21.3
7 10	19 51.47	−19 44.5	1.552	2.562	3.3	21.0
7 20	19 42.14	−20 13.9	1.542	2.557	1.5	20.9
7 30	19 33.07	−20 41.8	1.558	2.551	6.1	21.2
8 9	19 25.38	−21 5.8	1.599	2.546	10.3	21.4
8 19	19 19.90	−21 24.5	1.662	2.540	14.1	21.6

61654 2000 QB_{113} 7 16.8 254.°27 2.°0/15.9 18

6 10	20 12.09	−26 40.2	2.267	3.110	12.2	19.6
6 20	20 7.08	−26 53.2	2.179	3.101	9.4	19.4
6 30	20 0.00	−27 6.3	2.115	3.093	6.2	19.2
7 10	19 51.44	−27 16.5	2.076	3.084	3.0	18.9
7 20	19 42.17	−27 21.0	2.065	3.075	2.5	18.9
7 30	19 33.15	−27 18.0	2.082	3.066	5.6	19.1
8 9	19 25.30	−27 7.2	2.125	3.057	9.0	19.3
8 19	19 19.31	−26 49.4	2.192	3.048	12.0	19.4

360951 2005 UA_{76} 7 16.8 284.°75 3.°3/17.8 18

6 10	20 10.51	−13 14.6	2.216	3.038	13.2	20.4
6 20	20 5.76	−12 35.4	2.124	3.029	10.5	20.2
6 30	19 59.10	−12 2.9	2.055	3.019	7.4	20.0
7 10	19 51.07	−11 37.4	2.012	3.010	4.4	19.8
7 20	19 42.37	−11 19.1	1.995	3.001	3.4	19.7
7 30	19 33.88	−11 7.5	2.006	2.992	5.7	19.8
8 9	19 26.42	−11 1.6	2.044	2.983	8.9	20.0
8 19	19 20.67	−11 0.2	2.106	2.974	11.9	20.2

438190 2005 UC_{25} 7 16.8 164.°68 3.°3/18.3 18

6 10	20 8.38	−10 45.6	2.440	3.253	12.4	21.2
6 20	20 3.91	−10 31.1	2.357	3.254	9.9	21.1
6 30	19 57.78	−10 25.7	2.297	3.256	7.1	20.9
7 10	19 50.49	−10 29.2	2.262	3.257	4.4	20.7
7 20	19 42.67	−10 40.8	2.254	3.258	3.3	20.7
7 30	19 35.06	−10 59.0	2.274	3.259	5.2	20.8
8 9	19 28.38	−11 21.6	2.321	3.260	8.0	21.0
8 19	19 23.20	−11 46.7	2.393	3.261	10.7	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310640 2002 CP_{195}			7 16.8 149.°99		1.°3/16.4 17	
	h m	° ′			°	m
6 10	20 16.52	−23 10.0	1.572	2.425	16.2	21.6
6 20	20 11.15	−23 27.9	1.503	2.430	12.5	21.4
6 30	20 2.95	−23 50.1	1.454	2.435	8.1	21.1
7 10	19 52.73	−24 12.1	1.429	2.439	3.4	20.8
7 20	19 41.60	−24 29.9	1.430	2.443	2.2	20.8
7 30	19 30.97	−24 40.3	1.457	2.447	6.8	21.1
8 9	19 22.09	−24 42.3	1.509	2.450	11.2	21.3
8 19	19 15.87	−24 36.7	1.583	2.453	15.1	21.6
518594 2007 VS_{338}			7 16.8 312.°92		5.°4/14.6 17	
6 10	20 12.41	−28 23.9	1.306	2.181	17.6	20.6
6 20	20 8.98	−29 38.2	1.234	2.172	13.7	20.3
6 30	20 2.13	−30 57.1	1.181	2.163	9.5	20.1
7 10	19 52.59	−32 11.7	1.151	2.154	5.9	19.8
7 20	19 41.61	−33 12.9	1.144	2.146	6.1	19.8
7 30	19 30.93	−33 53.5	1.161	2.138	10.0	20.0
8 9	19 22.25	−34 11.8	1.199	2.131	14.4	20.2
8 19	19 16.78	−34 9.6	1.257	2.124	18.4	20.5
311485 2005 VB_{53}			7 16.8 204.°67		3.°4/18.2 18	R
6 10	20 9.76	−10 34.5	2.733	3.536	11.5	20.6
6 20	20 4.79	−10 3.1	2.642	3.533	9.2	20.5
6 30	19 58.28	− 9 39.0	2.574	3.529	6.7	20.3
7 10	19 50.69	− 9 22.4	2.533	3.525	4.3	20.1
7 20	19 42.60	− 9 13.4	2.520	3.520	3.5	20.1
7 30	19 34.68	− 9 11.3	2.535	3.515	5.1	20.2
8 9	19 27.59	− 9 14.9	2.578	3.510	7.6	20.3
8 19	19 21.87	− 9 22.8	2.646	3.505	10.1	20.5
159650 2002 CW_{255}			7 16.8 212.°85		5.°4/19.6 18	
6 10	20 10.11	− 4 18.4	2.167	2.959	14.4	21.2
6 20	20 5.52	− 4 11.5	2.077	2.953	11.9	21.1
6 30	19 59.00	− 4 19.9	2.007	2.947	9.1	20.9
7 10	19 51.06	− 4 44.2	1.961	2.940	6.6	20.7
7 20	19 42.40	− 5 23.6	1.941	2.932	5.4	20.6
7 30	19 33.87	− 6 15.5	1.949	2.924	6.8	20.7
8 9	19 26.33	− 7 16.2	1.983	2.916	9.5	20.8
8 19	19 20.47	− 8 21.3	2.041	2.907	12.3	21.0
523011 2016 PS_{122}			7 16.8 246.°68		2.°6/15.8 18	
6 10	20 12.55	−27 37.0	2.090	2.937	13.0	21.9
6 20	20 7.60	−27 58.5	2.010	2.933	10.0	21.7
6 30	20 0.43	−28 19.9	1.952	2.930	6.7	21.5
7 10	19 51.65	−28 37.6	1.919	2.926	3.5	21.3
7 20	19 42.14	−28 48.1	1.914	2.922	3.1	21.2
7 30	19 32.93	−28 49.3	1.936	2.918	6.2	21.4
8 9	19 25.03	−28 40.7	1.983	2.914	9.6	21.6
8 19	19 19.16	−28 23.6	2.054	2.910	12.7	21.8
350789 2002 CY_{115}			7 16.8 100.°40		4.°3/13.7 18	
6 10	20 13.56	−31 21.5	2.550	3.386	11.3	20.6
6 20	20 8.07	−32 50.8	2.492	3.406	8.8	20.4
6 30	20 0.59	−34 18.9	2.460	3.426	6.2	20.3
7 10	19 51.69	−35 40.1	2.455	3.445	4.5	20.2
7 20	19 42.13	−36 49.4	2.478	3.465	4.8	20.3
7 30	19 32.81	−37 43.3	2.531	3.483	6.8	20.4
8 9	19 24.62	−38 20.8	2.610	3.502	9.1	20.6
8 19	19 18.23	−38 43.1	2.712	3.520	11.3	20.8
4667 Robbiesh			7 16.8 270.°86		6.°5/14.2 18	
6 10	20 16.17	−36 26.3	1.868	2.714	14.3	17.5
6 20	20 10.99	−37 15.7	1.790	2.704	11.6	17.3
6 30	20 2.96	−37 59.8	1.733	2.695	8.7	17.1
7 10	19 52.79	−38 31.6	1.700	2.686	6.7	17.0
7 20	19 41.60	−38 45.5	1.693	2.676	6.9	17.0
7 30	19 30.78	−38 38.6	1.711	2.667	9.2	17.1
8 9	19 21.65	−38 11.9	1.754	2.658	12.2	17.3
8 19	19 15.16	−37 29.1	1.817	2.648	15.1	17.4
361054 2005 YZ_{47}			7 16.8 184.°49		0.°9/16.1 18	
6 10	20 9.74	−20 7.6	2.835	3.663	10.5	21.0
6 20	20 4.91	−21 14.4	2.748	3.663	8.0	20.9
6 30	19 58.46	−22 27.4	2.686	3.663	5.2	20.7
7 10	19 50.82	−23 43.2	2.652	3.662	2.2	20.5
7 20	19 42.55	−24 57.6	2.648	3.661	1.6	20.4
7 30	19 34.37	−26 7.1	2.675	3.660	4.5	20.6
8 9	19 26.97	−27 8.9	2.730	3.658	7.4	20.8
8 19	19 20.95	−28 1.4	2.812	3.657	10.0	21.0
21185 1994 EH_{6}			7 16.8 181.°94		4.°9/15.0 18	
6 10	20 16.98	−30 54.0	1.592	2.448	15.9	19.4
6 20	20 11.78	−31 41.7	1.522	2.448	12.4	19.2
6 30	20 3.54	−32 28.1	1.473	2.448	8.7	19.0
7 10	19 53.04	−33 6.3	1.448	2.448	5.5	18.8
7 20	19 41.51	−33 29.9	1.448	2.448	5.5	18.8
7 30	19 30.45	−33 35.6	1.474	2.447	8.7	19.0
8 9	19 21.28	−33 23.8	1.523	2.447	12.4	19.2
8 19	19 14.96	−32 57.5	1.593	2.446	15.9	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188291 2003 BV_{67}			7 16.8 276.°11		0.°6/16.5 18	
	h m	° ′			°	m
6 10	20 12.28	−20 40.2	1.699	2.550	15.3	20.4
6 20	20 8.06	−21 7.0	1.603	2.530	11.9	20.2
6 30	20 1.15	−21 41.8	1.528	2.509	7.8	19.9
7 10	19 52.13	−22 21.0	1.477	2.488	3.2	19.5
7 20	19 41.89	−23 0.2	1.452	2.467	1.8	19.4
7 30	19 31.71	−23 35.1	1.454	2.445	6.6	19.7
8 9	19 22.86	−24 2.6	1.480	2.424	11.2	19.9
8 19	19 16.38	−24 21.7	1.529	2.402	15.3	20.1
21122 1992 YK			7 16.8 201.°32		4.°5/15.2 18	
6 10	20 16.85	−30 29.3	1.669	2.522	15.4	17.3
6 20	20 11.57	−31 11.7	1.595	2.520	12.0	17.0
6 30	20 3.34	−31 53.0	1.543	2.518	8.3	16.8
7 10	19 52.96	−32 26.8	1.515	2.516	5.2	16.6
7 20	19 41.56	−32 47.3	1.512	2.514	5.1	16.6
7 30	19 30.58	−32 51.3	1.536	2.511	8.2	16.8
8 9	19 21.39	−32 39.1	1.583	2.508	12.0	17.0
8 19	19 14.92	−32 13.4	1.652	2.505	15.4	17.2
483233 2015 RE_{86}			7 16.8 287.°68		3.°7/18.2 17	
6 10	20 8.61	−10 31.1	2.358	3.172	12.7	21.9
6 20	20 4.36	−10 6.7	2.250	3.147	10.3	21.7
6 30	19 58.27	− 9 51.1	2.164	3.122	7.5	21.5
7 10	19 50.80	− 9 44.7	2.103	3.097	4.8	21.3
7 20	19 42.56	− 9 47.3	2.069	3.072	3.8	21.2
7 30	19 34.36	− 9 57.9	2.063	3.046	5.8	21.3
8 9	19 27.00	−10 14.8	2.083	3.021	8.8	21.4
8 19	19 21.18	−10 35.9	2.127	2.995	11.8	21.5
328884 2010 LJ_{109}			7 16.8 78.°37		1.°8/12.1 14	C
6 10	19 55.92	−45 55.6	12.802	13.596	2.7	21.6
6 20	19 53.42	−46 11.9	12.746	13.610	2.3	21.6
6 30	19 50.55	−46 25.7	12.716	13.625	2.0	21.5
7 10	19 47.43	−46 36.5	12.711	13.639	1.8	21.5
7 20	19 44.21	−46 43.8	12.734	13.653	1.9	21.5
7 30	19 41.04	−46 47.3	12.783	13.667	2.2	21.6
8 9	19 38.07	−46 47.0	12.857	13.681	2.6	21.6
8 19	19 35.44	−46 43.1	12.956	13.694	3.0	21.6
449994 2015 PG_{221}			7 16.8 281.°70		4.°6/18.8 18	
6 10	20 7.59	− 7 33.4	2.318	3.124	13.2	21.3
6 20	20 3.49	− 7 8.1	2.225	3.114	10.8	21.1
6 30	19 57.63	− 6 53.7	2.154	3.103	8.1	20.9
7 10	19 50.50	− 6 51.2	2.108	3.093	5.6	20.7
7 20	19 42.73	− 7 0.2	2.087	3.083	4.6	20.6
7 30	19 35.09	− 7 19.5	2.094	3.072	6.1	20.7
8 9	19 28.35	− 7 46.8	2.127	3.062	8.8	20.9
8 19	19 23.15	− 8 19.5	2.184	3.052	11.6	21.0
336957 2011 JJ_{2}			7 16.8 123.°38		4.°9/19.0 17	
6 10	20 10.96	− 7 27.7	1.904	2.715	15.4	20.7
6 20	20 6.27	− 7 13.5	1.831	2.724	12.5	20.5
6 30	19 59.50	− 7 13.6	1.780	2.733	9.2	20.3
7 10	19 51.27	− 7 28.3	1.752	2.741	6.2	20.2
7 20	19 42.39	− 7 56.2	1.750	2.749	4.9	20.1
7 30	19 33.82	− 8 34.8	1.774	2.756	6.7	20.2
8 9	19 26.49	− 9 20.2	1.824	2.763	9.8	20.5
8 19	19 21.07	−10 8.8	1.898	2.770	12.8	20.7
102691 1999 VS_{73}			7 16.8 149.°96		2.°2/15.9 17	
6 10	20 15.59	−24 32.1	1.706	2.556	15.3	19.9
6 20	20 10.31	−25 7.6	1.636	2.562	11.7	19.7
6 30	20 2.37	−25 46.8	1.587	2.567	7.7	19.5
7 10	19 52.51	−26 24.6	1.563	2.572	3.5	19.3
7 20	19 41.79	−26 56.2	1.566	2.577	2.9	19.2
7 30	19 31.49	−27 18.0	1.595	2.581	6.8	19.5
8 9	19 22.81	−27 28.8	1.649	2.585	10.9	19.7
8 19	19 16.61	−27 29.3	1.726	2.588	14.4	20.0
253459 2003 SQ_{8}			7 16.8 321.°80		3.°5/17.8 17	
6 10	20 5.75	−14 25.5	1.114	1.992	19.8	20.4
6 20	20 4.07	−14 8.6	1.027	1.965	15.8	20.1
6 30	19 59.13	−14 6.1	0.956	1.938	11.1	19.7
7 10	19 51.47	−14 18.6	0.905	1.913	6.0	19.4
7 20	19 42.18	−14 44.4	0.876	1.888	3.8	19.1
7 30	19 32.86	−15 19.9	0.868	1.865	8.5	19.3
8 9	19 25.27	−16 0.1	0.880	1.843	14.3	19.6
8 19	19 20.77	−16 40.3	0.910	1.822	19.6	19.8
149063 2002 CL_{59}			7 16.8 84.°06		2.°3/15.8 18	
6 10	20 11.91	−27 25.5	2.273	3.117	12.2	20.2
6 20	20 6.78	−27 47.8	2.208	3.130	9.3	20.0
6 30	19 59.70	−28 9.9	2.166	3.144	6.2	19.8
7 10	19 51.31	−28 28.2	2.150	3.157	3.1	19.7
7 20	19 42.39	−28 40.1	2.162	3.170	2.8	19.7
7 30	19 33.88	−28 43.5	2.201	3.183	5.6	19.9
8 9	19 26.60	−28 38.5	2.267	3.196	8.6	20.1
8 19	19 21.17	−28 25.8	2.357	3.209	11.4	20.3

386329 2008 SL_{167} 7 16.8 291°.75 7°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.78	−36 19.4	1.712	2.565	15.1	20.3
6 20	20 10.42	−37 32.9	1.628	2.547	12.3	20.0
6 30	20 2.91	−38 43.2	1.565	2.528	9.4	19.8
7 10	19 52.92	−39 42.0	1.526	2.509	7.6	19.7
7 20	19 41.54	−40 21.5	1.511	2.490	8.0	19.6
7 30	19 30.33	−40 36.6	1.521	2.471	10.5	19.7
8 9	19 20.85	−40 27.4	1.553	2.453	13.7	19.9
8 19	19 14.24	−39 57.1	1.605	2.434	16.9	20.1

446525 2014 LC_{13} 7 16.8 325°.66 6°.2/12.7 18

6 10	20 9.00	−32 14.6	1.847	2.707	13.9	19.8
6 20	20 5.67	−33 54.2	1.762	2.689	11.0	19.6
6 30	19 59.68	−35 36.0	1.700	2.671	8.2	19.4
7 10	19 51.56	−37 12.3	1.663	2.653	6.3	19.2
7 20	19 42.19	−38 34.8	1.652	2.636	6.9	19.2
7 30	19 32.84	−39 37.2	1.666	2.620	9.5	19.3
8 9	19 24.83	−40 17.1	1.704	2.605	12.7	19.5
8 19	19 19.20	−40 35.3	1.762	2.590	15.7	19.7

309723 2008 HJ_6 7 16.8 152°.34 1°.7/15.9 18

6 10	20 10.68	−25 12.1	2.561	3.400	11.1	21.9
6 20	20 5.72	−25 40.4	2.485	3.405	8.5	21.7
6 30	19 59.00	−26 10.3	2.432	3.410	5.6	21.5
7 10	19 51.05	−26 38.7	2.406	3.414	2.6	21.4
7 20	19 42.56	−27 2.8	2.408	3.418	2.2	21.3
7 30	19 34.31	−27 20.3	2.439	3.422	5.0	21.5
8 9	19 27.08	−27 30.4	2.497	3.426	7.9	21.7
8 19	19 21.46	−27 33.1	2.579	3.430	10.6	21.9

220888 2004 XD_{112} 7 16.8 313°.23 0°.4/16.9 18

6 10	20 8.49	−19 55.7	2.094	2.940	13.0	20.5
6 20	20 4.51	−19 55.4	2.000	2.923	10.1	20.3
6 30	19 58.47	−19 59.9	1.928	2.907	6.6	20.0
7 10	19 50.92	−20 7.5	1.881	2.892	2.8	19.8
7 20	19 42.59	−20 16.0	1.861	2.876	1.3	19.6
7 30	19 34.42	−20 23.5	1.868	2.861	5.3	19.9
8 9	19 27.32	−20 28.6	1.901	2.846	9.1	20.1
8 19	19 22.04	−20 30.5	1.957	2.831	12.4	20.3

325076 2008 DT_3 7 16.8 125°.71 0°.1/16.8 17

6 10	20 14.82	−19 12.9	1.759	2.601	15.2	21.2
6 20	20 9.48	−19 38.7	1.692	2.614	11.7	21.0
6 30	20 1.71	−20 11.9	1.647	2.626	7.6	20.8
7 10	19 52.23	−20 48.9	1.627	2.638	3.1	20.6
7 20	19 42.02	−21 25.8	1.634	2.649	1.5	20.5
7 30	19 32.24	−21 58.9	1.668	2.660	5.9	20.8
8 9	19 23.97	−22 25.8	1.728	2.670	10.0	21.1
8 19	19 17.99	−22 45.9	1.811	2.680	13.5	21.3

511017 2013 QU_2 7 16.8 343°.04 0°.9/17.0 17

6 10	20 3.51	−20 11.4	0.957	1.856	20.4	20.7
6 20	20 2.64	−19 53.4	0.886	1.839	15.9	20.3
6 30	19 58.26	−19 43.2	0.832	1.823	10.6	20.0
7 10	19 51.10	−19 39.1	0.797	1.809	4.6	19.6
7 20	19 42.48	−19 38.5	0.781	1.797	2.2	19.4
7 30	19 34.21	−19 38.3	0.786	1.786	8.5	19.7
8 9	19 28.08	−19 36.3	0.811	1.778	14.5	20.0
8 19	19 25.32	−19 31.2	0.852	1.773	19.7	20.3

204064 2003 UU_{290} 7 16.8 159°.97 2°.3/15.7 18

6 10	20 12.65	−25 55.3	2.186	3.029	12.6	21.3
6 20	20 7.56	−26 33.5	2.111	3.033	9.7	21.1
6 30	20 0.37	−27 13.6	2.059	3.037	6.4	20.9
7 10	19 51.67	−27 51.5	2.033	3.040	3.2	20.7
7 20	19 42.27	−28 23.4	2.034	3.043	2.8	20.7
7 30	19 33.17	−28 46.3	2.064	3.046	5.9	20.9
8 9	19 25.29	−28 59.2	2.119	3.048	9.2	21.1
8 19	19 19.34	−29 2.4	2.199	3.050	12.1	21.3

41956 2000 XB_{27} 7 16.8 248°.43 4°.6/14.3 18

6 10	20 12.14	−33 36.6	2.385	3.226	11.8	19.5
6 20	20 7.25	−34 25.3	2.305	3.220	9.3	19.4
6 30	20 0.22	−35 11.4	2.247	3.213	6.7	19.2
7 10	19 51.63	−35 49.9	2.215	3.207	4.9	19.1
7 20	19 42.29	−36 16.7	2.211	3.200	5.0	19.1
7 30	19 33.18	−36 29.1	2.233	3.193	7.1	19.2
8 9	19 25.24	−36 27.0	2.281	3.186	9.7	19.3
8 19	19 19.23	−36 11.9	2.352	3.179	12.3	19.5

204980 1994 TO_{11} 7 16.8 86°.86 5°.4/15.0 17

6 10	20 18.88	−30 35.3	1.358	2.221	17.7	19.7
6 20	20 13.45	−31 34.8	1.308	2.237	13.8	19.5
6 30	20 4.66	−32 32.5	1.277	2.254	9.5	19.3
7 10	19 53.52	−33 20.0	1.269	2.270	6.1	19.2
7 20	19 41.45	−33 50.3	1.285	2.285	6.0	19.2
7 30	19 30.20	−33 59.9	1.326	2.301	9.3	19.4
8 9	19 21.24	−33 50.0	1.390	2.316	13.2	19.7
8 19	19 15.49	−33 24.6	1.475	2.331	16.7	20.0

184482 2005 OG_{12} 7 16.8 317°.29 0°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.00	−19 59.5	1.318	2.190	17.6	20.5
6 20	20 6.17	−20 4.7	1.230	2.168	13.8	20.2
6 30	20 0.26	−20 18.5	1.161	2.146	9.2	19.9
7 10	19 51.88	−20 38.1	1.114	2.125	3.9	19.5
7 20	19 42.12	−20 59.6	1.090	2.105	1.8	19.3
7 30	19 32.46	−21 19.2	1.090	2.086	7.5	19.6
8 9	19 24.46	−21 33.9	1.112	2.067	12.9	19.9
8 19	19 19.30	−21 42.4	1.153	2.049	17.6	20.1

79673 1998 SG_{44} 7 16.8 287°.47 3°.7/15.6 18

6 10	20 14.43	−28 8.9	1.524	2.386	16.2	19.9
6 20	20 10.03	−28 40.4	1.443	2.374	12.6	19.6
6 30	20 2.57	−29 13.0	1.383	2.363	8.5	19.4
7 10	19 52.76	−29 40.9	1.345	2.352	4.7	19.1
7 20	19 41.77	−29 58.2	1.333	2.340	4.3	19.1
7 30	19 31.08	−30 1.4	1.346	2.329	8.2	19.3
8 9	19 22.17	−29 50.1	1.382	2.318	12.5	19.5
8 19	19 16.07	−29 26.5	1.439	2.307	16.4	19.7

277779 2006 DQ_{204} 7 16.8 83°.44 2°.4/15.5 17

6 10	20 12.37	−22 50.8	1.762	2.614	14.8	20.2
6 20	20 7.79	−24 3.9	1.698	2.626	11.3	20.0
6 30	20 0.73	−25 23.6	1.656	2.637	7.3	19.8
7 10	19 51.89	−26 43.8	1.640	2.649	3.4	19.6
7 20	19 42.22	−27 57.8	1.651	2.661	3.1	19.6
7 30	19 32.90	−29 0.4	1.689	2.672	6.8	19.9
8 9	19 25.05	−29 48.7	1.752	2.684	10.6	20.1
8 19	19 19.48	−30 22.4	1.837	2.695	13.9	20.4

8253 Brunetto 7 16.8 177°.10 2°.7/17.8 18

6 10	20 14.54	−14 3.4	1.710	2.543	16.0	19.5
6 20	20 9.39	−13 53.3	1.632	2.545	12.6	19.2
6 30	20 1.75	−13 53.6	1.575	2.546	8.7	19.0
7 10	19 52.31	−14 3.1	1.543	2.547	4.6	18.8
7 20	19 42.02	−14 20.1	1.536	2.547	2.9	18.7
7 30	19 32.06	−14 42.0	1.556	2.547	6.4	18.9
8 9	19 23.55	−15 5.9	1.601	2.546	10.5	19.1
8 19	19 17.32	−15 29.7	1.670	2.545	14.2	19.3

274482 2008 SC_{102} 7 16.8 18°.26 1°.4/16.2 17

6 10	20 9.68	−21 43.3	1.456	2.323	16.5	19.9
6 20	20 6.15	−22 23.8	1.391	2.326	12.7	19.7
6 30	19 59.86	−23 11.9	1.346	2.330	8.2	19.5
7 10	19 51.58	−24 2.7	1.324	2.335	3.5	19.2
7 20	19 42.37	−24 50.5	1.327	2.340	2.4	19.1
7 30	19 33.58	−25 30.4	1.355	2.346	7.0	19.4
8 9	19 26.48	−25 59.6	1.406	2.353	11.5	19.7
8 19	19 21.93	−26 17.7	1.479	2.360	15.3	20.0

273967 2007 LW_1 7 16.8 26°.45 7°.1/19.4 17

6 10	20 7.60	− 6 59.9	1.215	2.063	20.3	19.6
6 20	20 4.55	− 6 14.5	1.165	2.078	16.5	19.4
6 30	19 58.74	− 5 49.7	1.133	2.093	12.4	19.2
7 10	19 51.06	− 5 47.0	1.121	2.110	8.7	19.1
7 20	19 42.65	− 6 5.9	1.131	2.129	7.1	19.0
7 30	19 34.86	− 6 42.6	1.163	2.148	9.0	19.2
8 9	19 28.86	− 7 31.4	1.218	2.168	12.5	19.5
8 19	19 25.43	− 8 26.0	1.292	2.189	16.0	19.7

16354 1975 SN_1 7 16.8 324°.69 1°.5/16.2 18

6 10	20 9.60	−23 22.6	1.937	2.789	13.6	18.3
6 20	20 5.54	−23 50.6	1.855	2.783	10.5	18.1
6 30	19 59.23	−24 22.7	1.796	2.778	6.8	17.9
7 10	19 51.27	−24 55.4	1.762	2.772	3.0	17.6
7 20	19 42.52	−25 24.9	1.754	2.767	2.2	17.6
7 30	19 34.00	−25 47.9	1.773	2.762	6.0	17.8
8 9	19 26.74	−26 2.9	1.818	2.757	9.8	18.0
8 19	19 21.52	−26 9.5	1.885	2.753	13.1	18.2

330301 2006 TE_{74} 7 16.8 255°.36 2°.9/15.5 18

6 10	20 13.94	−25 16.4	1.666	2.522	15.3	21.3
6 20	20 9.44	−26 6.8	1.581	2.510	11.9	21.0
6 30	20 2.11	−27 2.4	1.517	2.498	7.9	20.8
7 10	19 52.58	−27 57.6	1.477	2.485	4.0	20.5
7 20	19 41.87	−28 46.1	1.463	2.472	3.6	20.4
7 30	19 31.31	−29 22.8	1.476	2.459	7.6	20.6
8 9	19 22.27	−29 45.4	1.513	2.446	11.8	20.9
8 19	19 15.77	−29 54.4	1.571	2.432	15.6	21.1

500118 2012 BM_{137} 7 16.8 233°.32 0°.3/16.7 17

6 10	20 14.77	−19 48.9	1.676	2.522	15.7	22.6
6 20	20 9.93	−20 15.3	1.588	2.512	12.2	22.3
6 30	20 2.34	−20 50.0	1.521	2.500	8.0	22.1
7 10	19 52.66	−21 29.6	1.478	2.489	3.3	21.8
7 20	19 41.84	−22 9.4	1.462	2.477	1.7	21.6
7 30	19 31.18	−22 45.2	1.472	2.464	6.6	21.9
8 9	19 21.98	−23 14.0	1.508	2.450	11.1	22.1
8 19	19 15.21	−23 34.8	1.566	2.437	15.2	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
66172 1998 VX_{45}			7 16.8 308°.59		4°.7/19.1 18	
	h m	° ′			°	m
6 10	20 6.30	− 6 47.2	2.225	3.033	13.6	18.9
6 20	20 2.63	− 6 32.0	2.132	3.021	11.1	18.7
6 30	19 57.17	− 6 29.5	2.060	3.009	8.4	18.5
7 10	19 50.39	− 6 40.4	2.012	2.997	5.8	18.4
7 20	19 42.94	− 7 4.0	1.990	2.986	4.8	18.3
7 30	19 35.60	− 7 38.5	1.994	2.974	6.2	18.3
8 9	19 29.17	− 8 21.1	2.025	2.963	9.0	18.5
8 19	19 24.31	− 9 8.2	2.079	2.952	11.9	18.7
14290 9072 P–L			7 16.8 48°.12		3°.6/18.3 18	
6 10	20 9.60	−11 33.3	1.849	2.679	15.1	18.8
6 20	20 5.37	−11 18.9	1.775	2.683	12.0	18.6
6 30	19 59.01	−11 15.9	1.722	2.688	8.5	18.4
7 10	19 51.15	−11 24.1	1.693	2.692	5.0	18.2
7 20	19 42.61	−11 41.9	1.690	2.697	3.6	18.1
7 30	19 34.38	−12 7.2	1.713	2.702	6.1	18.3
8 9	19 27.41	−12 37.0	1.762	2.707	9.6	18.5
8 19	19 22.39	−13 8.4	1.834	2.712	12.9	18.7
334016 2000 VC_{52}			7 16.8 264°.10		1°.0/17.2 18	
6 10	20 13.44	−18 3.1	2.124	2.955	13.4	21.9
6 20	20 8.42	−18 3.0	2.015	2.929	10.5	21.6
6 30	20 1.14	−18 8.9	1.929	2.903	7.0	21.4
7 10	19 52.12	−18 19.4	1.868	2.877	3.2	21.1
7 20	19 42.11	−18 32.2	1.835	2.849	1.5	20.9
7 30	19 32.10	−18 45.3	1.830	2.821	5.5	21.1
8 9	19 23.12	−18 56.8	1.851	2.792	9.5	21.3
8 19	19 16.03	−19 5.8	1.897	2.763	13.1	21.5
75431 1999 XD_{126}			7 16.8 310°.69		2°.3/16.2 18	
6 10	20 13.11	−25 18.0	1.374	2.243	17.2	19.1
6 20	20 9.20	−25 33.8	1.296	2.232	13.4	18.8
6 30	20 2.13	−25 52.6	1.237	2.221	8.8	18.5
7 10	19 52.62	−26 9.6	1.200	2.210	4.1	18.2
7 20	19 41.89	−26 19.9	1.187	2.200	3.1	18.1
7 30	19 31.50	−26 20.0	1.199	2.190	7.9	18.4
8 9	19 22.97	−26 9.3	1.234	2.180	12.7	18.6
8 19	19 17.37	−25 49.3	1.289	2.171	17.0	18.8
185818 1999 XY_{216}			7 16.8 256°.42		0°.1/16.8 18	
6 10	20 13.72	−20 3.6	1.725	2.572	15.3	21.7
6 20	20 9.06	−20 16.6	1.633	2.557	11.9	21.4
6 30	20 1.76	−20 36.6	1.562	2.542	7.8	21.1
7 10	19 52.42	−21 0.6	1.516	2.526	3.3	20.8
7 20	19 41.98	−21 25.1	1.495	2.510	1.6	20.7
7 30	19 31.68	−21 46.6	1.501	2.493	6.4	21.0
8 9	19 22.76	−22 3.0	1.533	2.477	10.9	21.2
8 19	19 16.18	−22 13.5	1.586	2.459	14.9	21.4
127053 2002 GP_{46}			7 16.8 347°.43		1°.8/15.8 18	
6 10	20 8.31	−23 5.6	2.078	2.928	12.9	18.8
6 20	20 4.43	−23 56.3	1.999	2.926	9.9	18.6
6 30	19 58.45	−24 52.4	1.942	2.923	6.4	18.4
7 10	19 50.96	−25 49.5	1.912	2.921	2.9	18.1
7 20	19 42.70	−26 43.1	1.908	2.919	2.4	18.1
7 30	19 34.64	−27 29.4	1.932	2.918	5.8	18.3
8 9	19 27.72	−28 5.8	1.982	2.916	9.4	18.5
8 19	19 22.67	−28 31.6	2.054	2.915	12.5	18.7
132640 2002 LW_{36}			7 16.8 2°.43		5°.2/17.9 18	
6 10	20 10.77	−12 20.0	1.499	2.343	17.3	18.8
6 20	20 6.72	−11 14.2	1.427	2.342	13.9	18.6
6 30	20 0.11	−10 17.9	1.375	2.342	10.1	18.4
7 10	19 51.66	− 9 33.2	1.346	2.342	6.5	18.2
7 20	19 42.39	− 9 1.3	1.340	2.343	5.3	18.1
7 30	19 33.53	− 8 42.5	1.360	2.345	7.8	18.3
8 9	19 26.23	− 8 35.1	1.403	2.348	11.6	18.5
8 19	19 21.30	− 8 36.8	1.467	2.352	15.2	18.7
253774 2003 WT_{138}			7 16.8 206°.25		1°.6/16.1 18	
6 10	20 15.55	−23 36.5	1.884	2.728	14.3	20.9
6 20	20 10.20	−24 7.5	1.800	2.723	11.0	20.6
6 30	20 2.34	−24 42.6	1.739	2.718	7.2	20.4
7 10	19 52.60	−25 17.8	1.702	2.712	3.2	20.1
7 20	19 41.93	−25 48.5	1.693	2.706	2.4	20.1
7 30	19 31.50	−26 11.5	1.712	2.698	6.3	20.3
8 9	19 22.46	−26 25.0	1.756	2.691	10.3	20.5
8 19	19 15.70	−26 29.3	1.823	2.682	13.9	20.7
228816 2003 BE_{28}			7 16.8 222°.42		0°.8/17.1 18	
6 10	20 13.56	−18 22.0	1.918	2.756	14.3	21.3
6 20	20 8.55	−18 26.5	1.830	2.749	11.1	21.1
6 30	20 1.20	−18 37.8	1.764	2.741	7.4	20.9
7 10	19 52.12	−18 53.8	1.724	2.733	3.2	20.6
7 20	19 42.18	−19 11.8	1.710	2.724	1.5	20.4
7 30	19 32.45	−19 29.3	1.723	2.715	5.7	20.7
8 9	19 23.99	−19 44.3	1.763	2.706	9.8	20.9
8 19	19 17.61	−19 55.8	1.826	2.696	13.4	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
253709 2003 UU_{316}			7 16.8 217°.45		3°.2/15.4 18	
	h m	° ′			°	m
6 10	20 16.16	−26 59.7	1.895	2.741	14.2	21.3
6 20	20 10.81	−27 47.0	1.810	2.733	11.0	21.1
6 30	20 2.82	−28 37.0	1.748	2.725	7.4	20.8
7 10	19 52.85	−29 24.1	1.710	2.716	4.0	20.6
7 20	19 41.84	−30 2.8	1.700	2.706	3.8	20.6
7 30	19 31.03	−30 29.3	1.717	2.696	7.1	20.8
8 9	19 21.65	−30 42.0	1.759	2.685	10.9	21.0
8 19	19 14.61	−30 42.1	1.824	2.673	14.3	21.1
470730 2008 UC_{67}			7 16.8 334°.60		3°.3/15.8 18	
6 10	20 8.31	−26 44.0	1.289	2.170	17.4	20.2
6 20	20 5.79	−27 9.0	1.209	2.152	13.5	20.0
6 30	20 0.06	−27 36.6	1.149	2.135	9.1	19.7
7 10	19 51.84	−28 1.4	1.110	2.119	4.6	19.4
7 20	19 42.30	−28 17.5	1.094	2.104	4.1	19.3
7 30	19 33.04	−28 21.0	1.101	2.091	8.5	19.5
8 9	19 25.64	−28 10.6	1.129	2.078	13.4	19.7
8 19	19 21.23	−27 48.0	1.177	2.067	17.8	20.0
397706 2008 CK_{197}			7 16.8 341°.11		2°.8/18.4 18	
6 10	20 7.72	−10 58.1	2.129	2.953	13.6	20.9
6 20	20 3.77	−11 13.3	2.047	2.952	10.8	20.7
6 30	19 57.92	−11 40.8	1.986	2.951	7.6	20.5
7 10	19 50.72	−12 19.2	1.950	2.950	4.3	20.3
7 20	19 42.86	−13 6.1	1.940	2.949	2.9	20.2
7 30	19 35.19	−13 58.4	1.959	2.949	5.3	20.3
8 9	19 28.54	−14 52.3	2.003	2.948	8.7	20.5
8 19	19 23.57	−15 44.8	2.072	2.948	11.8	20.7
233341 2006 DK_{10}			7 16.8 234°.05		1°.1/16.3 18	
6 10	20 13.21	−22 24.3	2.136	2.975	13.0	22.1
6 20	20 8.20	−22 54.2	2.042	2.963	10.0	21.9
6 30	20 0.95	−23 28.8	1.971	2.950	6.6	21.6
7 10	19 52.04	−24 4.8	1.926	2.936	2.8	21.4
7 20	19 42.24	−24 38.5	1.909	2.922	1.9	21.3
7 30	19 32.56	−25 6.6	1.920	2.908	5.7	21.5
8 9	19 24.01	−25 27.1	1.957	2.893	9.4	21.7
8 19	19 17.40	−25 39.7	2.018	2.877	12.8	21.9
262783 2006 YL_{18}			7 16.8 286°.42		2°.5/15.6 18	
6 10	20 10.66	−26 34.1	2.125	2.973	12.7	20.8
6 20	20 6.22	−27 10.6	2.043	2.968	9.8	20.6
6 30	19 59.63	−27 48.8	1.985	2.963	6.5	20.3
7 10	19 51.46	−28 24.8	1.952	2.958	3.4	20.1
7 20	19 42.54	−28 54.5	1.945	2.953	3.1	20.1
7 30	19 33.84	−29 15.0	1.967	2.949	6.1	20.3
8 9	19 26.35	−29 25.1	2.014	2.944	9.5	20.5
8 19	19 20.79	−29 25.2	2.084	2.939	12.5	20.7
471304 2011 HZ_{53}			7 16.8 101°.04		4°.6/19.4 17	
6 10	20 11.01	− 6 24.1	1.853	2.662	15.9	21.3
6 20	20 6.38	− 6 36.7	1.786	2.677	12.8	21.2
6 30	19 59.65	− 7 6.4	1.739	2.691	9.4	21.0
7 10	19 51.44	− 7 52.1	1.715	2.706	6.1	20.8
7 20	19 42.60	− 8 51.2	1.718	2.719	4.6	20.7
7 30	19 34.10	− 9 59.5	1.748	2.733	6.4	20.9
8 9	19 26.87	−11 11.7	1.804	2.746	9.6	21.1
8 19	19 21.59	−12 23.4	1.884	2.759	12.8	21.3
35038 1981 EL_{32}			7 16.8 14°.52		6°.9/15.2 18	
6 10	20 18.51	−37 19.4	1.587	2.438	16.2	18.6
6 20	20 13.06	−37 48.3	1.521	2.439	13.0	18.4
6 30	20 4.40	−38 8.4	1.476	2.440	9.8	18.2
7 10	19 53.48	−38 12.6	1.454	2.442	7.3	18.1
7 20	19 41.67	−37 56.1	1.457	2.445	7.2	18.1
7 30	19 30.59	−37 17.6	1.484	2.447	9.7	18.2
8 9	19 21.66	−36 20.2	1.535	2.450	12.9	18.4
8 19	19 15.75	−35 9.5	1.606	2.454	16.0	18.6
203695 2002 NK_{66}			7 16.8 291°.12		0°.9/16.5 18	
6 10	20 10.52	−21 35.3	1.838	2.689	14.3	21.1
6 20	20 6.44	−22 1.1	1.750	2.677	11.0	20.8
6 30	19 59.96	−22 33.0	1.684	2.666	7.2	20.6
7 10	19 51.68	−23 7.6	1.643	2.654	3.0	20.3
7 20	19 42.46	−23 40.8	1.628	2.642	1.8	20.2
7 30	19 33.41	−24 9.2	1.640	2.631	6.1	20.5
8 9	19 25.65	−24 30.5	1.677	2.619	10.2	20.7
8 19	19 20.02	−24 43.9	1.736	2.608	13.9	20.9
395087 2009 HR_{99}			7 16.8 10°.42		6°.5/19.4 16	
6 10	20 7.37	− 5 26.7	1.780	2.595	16.2	20.8
6 20	20 3.75	− 4 44.6	1.707	2.597	13.4	20.6
6 30	19 58.02	− 4 17.8	1.653	2.599	10.3	20.4
7 10	19 50.80	− 4 8.0	1.623	2.602	7.6	20.3
7 20	19 42.90	− 4 15.4	1.616	2.605	6.5	20.2
7 30	19 35.28	− 4 38.6	1.635	2.609	7.9	20.3
8 9	19 28.88	− 5 14.1	1.677	2.614	10.6	20.5
8 19	19 24.41	− 5 57.5	1.742	2.619	13.6	20.7

133636 2003 UB_{144} 7 16.8 343°.41 6°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.62	−32 46.8	1.529	2.395	15.9	19.0
6 20	20 7.97	−33 45.5	1.458	2.388	12.6	18.8
6 30	20 1.28	−34 42.1	1.408	2.382	9.1	18.5
7 10	19 52.30	−35 29.2	1.381	2.377	6.5	18.4
7 20	19 42.20	−35 59.8	1.378	2.372	6.7	18.4
7 30	19 32.50	−36 9.9	1.399	2.368	9.5	18.5
8 9	19 24.63	−35 59.5	1.442	2.364	13.1	18.7
8 19	19 19.58	−35 31.8	1.506	2.361	16.5	18.9

492311 2014 BQ_{12} 7 16.8 229°.22 0°.3/16.7 18

6 10	20 12.46	−20 8.8	2.239	3.074	12.7	22.1
6 20	20 7.50	−20 35.9	2.144	3.062	9.8	21.9
6 30	20 0.45	−21 9.1	2.073	3.050	6.4	21.7
7 10	19 51.84	−21 45.4	2.027	3.037	2.6	21.4
7 20	19 42.42	−22 21.6	2.009	3.024	1.4	21.3
7 30	19 33.10	−22 54.6	2.020	3.010	5.2	21.6
8 9	19 24.82	−23 22.1	2.058	2.996	8.9	21.8
8 19	19 18.34	−23 43.1	2.120	2.981	12.2	21.9

73815 1995 VY_{10} 7 16.8 175°.05 0°.3/16.7 18

6 10	20 14.25	−19 58.4	1.842	2.684	14.7	20.3
6 20	20 9.15	−20 26.9	1.765	2.686	11.3	20.1
6 30	20 1.62	−21 2.5	1.709	2.688	7.4	19.8
7 10	19 52.34	−21 41.5	1.679	2.689	3.0	19.6
7 20	19 42.21	−22 20.0	1.675	2.690	1.5	19.5
7 30	19 32.37	−22 54.2	1.699	2.690	5.9	19.8
8 9	19 23.92	−23 21.7	1.749	2.690	10.0	20.0
8 19	19 17.68	−23 41.7	1.822	2.689	13.5	20.2

44368 1998 SR_{26} 7 16.8 237°.53 4°.3/18.8 18

6 10	20 9.94	− 8 14.2	2.235	3.041	13.6	19.4
6 20	20 5.42	− 7 57.1	2.141	3.031	11.0	19.2
6 30	19 59.02	− 7 51.5	2.068	3.020	8.2	19.0
7 10	19 51.23	− 7 57.9	2.020	3.009	5.5	18.9
7 20	19 42.72	− 8 15.5	1.999	2.998	4.4	18.8
7 30	19 34.33	− 8 42.8	2.005	2.986	6.1	18.9
8 9	19 26.90	− 9 17.1	2.038	2.974	9.0	19.0
8 19	19 21.10	− 9 55.4	2.094	2.962	12.0	19.2

189233 2004 NP_{2} 7 16.8 9°.30 0°.8/17.0 17

6 10	20 9.12	−20 13.1	1.181	2.059	18.8	19.5
6 20	20 6.15	−19 56.6	1.120	2.061	14.5	19.2
6 30	20 0.07	−19 47.0	1.078	2.064	9.6	19.0
7 10	19 51.77	−19 42.1	1.057	2.068	4.1	18.7
7 20	19 42.50	−19 39.5	1.059	2.074	1.9	18.5
7 30	19 33.83	−19 36.7	1.084	2.081	7.3	18.9
8 9	19 27.15	−19 32.4	1.130	2.089	12.4	19.2
8 19	19 23.37	−19 25.8	1.197	2.098	16.7	19.5

213524 2002 GL_{161} 7 16.8 104°.82 3°.5/15.4 17

6 10	20 15.30	−25 54.8	1.469	2.330	16.7	20.2
6 20	20 10.60	−26 55.4	1.406	2.338	12.9	19.9
6 30	20 2.87	−28 0.3	1.364	2.345	8.5	19.7
7 10	19 52.92	−29 2.2	1.345	2.352	4.5	19.5
7 20	19 41.95	−29 54.1	1.351	2.359	4.3	19.5
7 30	19 31.46	−30 31.0	1.383	2.365	8.1	19.7
8 9	19 22.85	−30 51.2	1.439	2.372	12.3	20.0
8 19	19 17.07	−30 56.2	1.515	2.379	16.0	20.3

439294 2012 UG_{164} 7 16.8 332°.81 0°.8/16.6 16

6 10	20 10.32	−22 0.5	1.629	2.488	15.4	21.2
6 20	20 6.49	−22 14.3	1.550	2.481	11.9	20.9
6 30	20 0.08	−22 33.5	1.492	2.474	7.8	20.7
7 10	19 51.76	−22 54.7	1.457	2.468	3.2	20.4
7 20	19 42.50	−23 14.2	1.448	2.462	1.8	20.3
7 30	19 33.53	−23 28.8	1.464	2.457	6.4	20.6
8 9	19 26.06	−23 37.0	1.505	2.452	10.8	20.8
8 19	19 20.94	−23 38.3	1.568	2.448	14.7	21.0

430542 2002 FX_{28} 7 16.8 75°.50 1°.7/17.7 16

6 10	20 13.82	−14 0.4	1.768	2.600	15.6	21.6
6 20	20 8.48	−14 28.2	1.718	2.631	12.1	21.4
6 30	20 0.95	−15 7.3	1.689	2.661	8.0	21.2
7 10	19 51.96	−15 54.6	1.685	2.692	3.9	21.0
7 20	19 42.47	−16 46.0	1.708	2.721	2.0	21.0
7 30	19 33.53	−17 37.5	1.758	2.751	5.6	21.3
8 9	19 26.08	−18 25.5	1.835	2.780	9.3	21.6
8 19	19 20.76	−19 7.8	1.935	2.808	12.6	21.8

192784 1999 UH_{27} 7 16.8 233°.14 2°.9/15.7 17

6 10	20 14.08	−27 42.6	1.988	2.835	13.5	20.3
6 20	20 9.02	−28 11.1	1.905	2.829	10.5	20.1
6 30	20 1.56	−28 40.2	1.845	2.822	7.0	19.9
7 10	19 52.33	−29 5.4	1.809	2.815	3.7	19.7
7 20	19 42.25	−29 22.7	1.801	2.808	3.4	19.7
7 30	19 32.43	−29 29.4	1.820	2.801	6.6	19.8
8 9	19 23.99	−29 24.9	1.864	2.794	10.2	20.0
8 19	19 17.72	−29 10.5	1.931	2.786	13.4	20.2

126711 2002 CZ_{242} 7 16.8 134°.26 4°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.01	− 7 24.6	2.402	3.205	12.9	20.5
6 20	20 3.71	− 7 11.2	2.321	3.208	10.4	20.3
6 30	19 57.77	− 7 9.3	2.263	3.212	7.8	20.2
7 10	19 50.67	− 7 19.1	2.229	3.215	5.3	20.0
7 20	19 43.03	− 7 39.6	2.221	3.218	4.2	20.0
7 30	19 35.61	− 8 9.1	2.242	3.221	5.7	20.0
8 9	19 29.11	− 8 45.0	2.289	3.224	8.2	20.2
8 19	19 24.08	− 9 24.4	2.360	3.227	10.8	20.4

137876 2000 AR_{104} 7 16.8 196°.24 0°.6/17.1 18

6 10	20 13.68	−17 19.4	1.882	2.719	14.6	20.6
6 20	20 8.70	−17 45.2	1.799	2.717	11.3	20.3
6 30	20 1.35	−18 20.1	1.738	2.714	7.5	20.1
7 10	19 52.25	−19 1.4	1.702	2.711	3.3	19.8
7 20	19 42.28	−19 45.1	1.692	2.707	1.4	19.7
7 30	19 32.53	−20 27.6	1.711	2.703	5.7	20.0
8 9	19 24.06	−21 5.6	1.755	2.698	9.8	20.2
8 19	19 17.70	−21 37.5	1.823	2.693	13.4	20.4

316097 2009 OW 7 16.8 341°.08 1°.9/16.1 18

6 10	20 9.18	−25 37.7	1.838	2.697	14.0	19.9
6 20	20 5.38	−25 50.6	1.757	2.688	10.8	19.6
6 30	19 59.24	−26 5.0	1.697	2.679	7.1	19.4
7 10	19 51.38	−26 17.5	1.661	2.671	3.3	19.2
7 20	19 42.70	−26 24.9	1.652	2.663	2.6	19.1
7 30	19 34.31	−26 24.8	1.668	2.657	6.3	19.3
8 9	19 27.27	−26 16.6	1.709	2.651	10.1	19.5
8 19	19 22.37	−26 1.0	1.773	2.645	13.6	19.7

396221 2014 AB_{12} 7 16.8 192°.93 4°.9/14.8 18

6 10	20 17.30	−35 12.7	2.305	3.138	12.4	21.9
6 20	20 11.25	−35 48.0	2.227	3.137	9.9	21.8
6 30	20 2.87	−36 18.4	2.173	3.135	7.2	21.6
7 10	19 52.83	−36 38.9	2.143	3.132	5.2	21.5
7 20	19 42.06	−36 45.6	2.141	3.129	5.3	21.5
7 30	19 31.65	−36 36.6	2.167	3.126	7.3	21.6
8 9	19 22.63	−36 12.7	2.218	3.122	10.0	21.8
8 19	19 15.77	−35 36.5	2.293	3.118	12.6	21.9

276889 2004 RK_{333} 7 16.8 299°.06 1°.7/17.6 18

6 10	20 9.12	−14 36.3	1.618	2.466	16.1	20.8
6 20	20 5.75	−14 58.6	1.521	2.444	12.7	20.5
6 30	19 59.77	−15 34.9	1.445	2.422	8.7	20.2
7 10	19 51.73	−16 23.3	1.392	2.400	4.2	19.9
7 20	19 42.49	−17 20.2	1.364	2.378	2.1	19.7
7 30	19 33.24	−18 20.7	1.362	2.357	6.5	19.9
8 9	19 25.25	−19 19.8	1.385	2.336	11.2	20.1
8 19	19 19.55	−20 13.7	1.429	2.315	15.5	20.3

8865 Yakiimo 7 16.8 156°.27 2°.8/18.4 18

6 10	20 9.40	−10 53.8	2.856	3.659	11.0	18.6
6 20	20 4.49	−10 45.9	2.774	3.666	8.8	18.4
6 30	19 58.13	−10 45.9	2.716	3.673	6.2	18.3
7 10	19 50.79	−10 53.4	2.684	3.679	3.8	18.1
7 20	19 43.01	−11 7.4	2.681	3.685	2.8	18.1
7 30	19 35.43	−11 26.5	2.706	3.691	4.5	18.2
8 9	19 28.67	−11 49.0	2.760	3.696	7.0	18.4
8 19	19 23.20	−12 13.0	2.839	3.700	9.4	18.5

155584 2000 AF_{157} 7 16.8 214°.58 1°.0/16.5 17

6 10	20 16.32	−22 13.7	1.388	2.247	17.6	19.3
6 20	20 11.54	−22 29.4	1.314	2.245	13.6	19.0
6 30	20 3.61	−22 51.2	1.259	2.242	8.9	18.8
7 10	19 53.29	−23 14.7	1.228	2.239	3.7	18.4
7 20	19 41.82	−23 35.2	1.221	2.235	2.2	18.3
7 30	19 30.75	−23 48.8	1.239	2.231	7.4	18.6
8 9	19 21.58	−23 54.0	1.281	2.227	12.4	18.9
8 19	19 15.34	−23 51.3	1.344	2.223	16.7	19.2

253112 2002 UV_{27} 7 16.8 111°.59 18°.2/22.4 18

6 10	20 15.40	+10 21.6	1.178	1.942	25.6	20.1
6 20	20 10.92	+12 50.0	1.126	1.949	23.2	19.9
6 30	20 3.22	+14 46.8	1.088	1.956	21.0	19.8
7 10	19 53.14	+16 1.5	1.067	1.962	19.1	19.7
7 20	19 41.91	+16 27.1	1.062	1.969	18.2	19.6
7 30	19 31.14	+16 2.6	1.075	1.975	18.5	19.7
8 9	19 22.33	+14 54.9	1.106	1.981	19.9	19.8
8 19	19 16.53	+13 15.0	1.153	1.987	21.8	20.0

181159 2005 RK_{47} 7 16.8 77°.90 0°.2/16.9 18

6 10	20 10.07	−19 21.8	2.143	2.983	12.9	21.0
6 20	20 5.51	−19 37.5	2.073	2.993	9.9	20.8
6 30	19 59.02	−19 58.9	2.026	3.004	6.5	20.6
7 10	19 51.21	−20 23.4	2.004	3.014	2.7	20.4
7 20	19 42.83	−20 48.4	2.010	3.025	1.2	20.3
7 30	19 34.77	−21 11.4	2.043	3.035	5.0	20.6
8 9	19 27.88	−21 30.6	2.103	3.046	8.5	20.8
8 19	19 22.77	−21 45.2	2.187	3.056	11.5	21.0

119926 2002 EL_{132} 7 16.9 240°.35 1°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.87	−26 5.8	2.466	3.305	11.5	20.8
6 20	20 6.83	−26 18.0	2.376	3.296	8.9	20.6
6 30	19 59.90	−26 30.8	2.310	3.287	5.8	20.4
7 10	19 51.59	−26 41.2	2.270	3.278	2.8	20.1
7 20	19 42.64	−26 46.8	2.258	3.269	2.2	20.1
7 30	19 33.90	−26 45.9	2.275	3.260	5.2	20.3
8 9	19 26.21	−26 38.1	2.318	3.250	8.3	20.5
8 19	19 20.21	−26 23.8	2.386	3.240	11.2	20.6

295631 2008 SR_{248} 7 16.9 234°.97 0°.8/17.2 18

6 10	20 12.18	−17 53.2	2.150	2.983	13.2	21.9
6 20	20 7.32	−18 1.5	2.056	2.971	10.2	21.7
6 30	20 0.36	−18 16.5	1.985	2.960	6.8	21.5
7 10	19 51.84	−18 36.2	1.939	2.948	3.0	21.2
7 20	19 42.51	−18 58.2	1.920	2.935	1.4	21.0
7 30	19 33.33	−19 20.1	1.930	2.922	5.2	21.3
8 9	19 25.22	−19 39.9	1.967	2.908	9.0	21.5
8 19	19 18.94	−19 56.3	2.027	2.895	12.4	21.7

118469 1999 XW_{226} 7 16.9 348°.80 0°.1/16.9 17

6 10	20 13.47	−18 53.8	1.265	2.130	18.6	19.7
6 20	20 9.52	−19 17.5	1.196	2.130	14.4	19.4
6 30	20 2.37	−19 52.3	1.147	2.130	9.5	19.2
7 10	19 52.81	−20 34.2	1.118	2.129	4.0	18.8
7 20	19 42.07	−21 17.7	1.114	2.129	1.8	18.7
7 30	19 31.74	−21 57.3	1.134	2.129	7.5	19.1
8 9	19 23.35	−22 29.5	1.177	2.129	12.7	19.3
8 19	19 17.94	−22 52.7	1.240	2.129	17.1	19.6

311968 2007 EQ_{6} 7 16.9 64°.14 4°.2/19.3 18

6 10	20 7.01	− 6 51.2	2.347	3.151	13.1	21.1
6 20	20 3.03	− 6 50.7	2.265	3.153	10.6	20.9
6 30	19 57.38	− 7 3.1	2.205	3.154	7.9	20.8
7 10	19 50.54	− 7 28.1	2.169	3.156	5.3	20.6
7 20	19 43.15	− 8 4.4	2.160	3.158	4.2	20.5
7 30	19 35.94	− 8 49.7	2.178	3.160	5.6	20.6
8 9	19 29.64	− 9 40.7	2.223	3.162	8.3	20.8
8 19	19 24.84	−10 34.0	2.292	3.164	11.0	21.0

457574 2008 YV_{140} 7 16.9 82°.27 1°.7/17.3 17

6 10	20 16.71	−18 19.8	1.348	2.203	18.3	20.8
6 20	20 11.52	−17 56.4	1.288	2.214	14.2	20.6
6 30	20 3.34	−17 40.5	1.247	2.226	9.4	20.3
7 10	19 53.09	−17 30.5	1.228	2.237	4.3	20.1
7 20	19 42.01	−17 24.4	1.234	2.248	2.3	20.0
7 30	19 31.60	−17 20.5	1.265	2.259	7.0	20.3
8 9	19 23.17	−17 17.3	1.320	2.270	11.7	20.6
8 19	19 17.56	−17 14.2	1.397	2.281	15.8	20.9

374874 2006 VH_{123} 7 16.9 282°.73 0°.8/16.6 17

6 10	20 13.76	−21 56.7	1.590	2.445	16.0	21.8
6 20	20 9.52	−22 10.9	1.492	2.421	12.5	21.5
6 30	20 2.36	−22 31.3	1.415	2.397	8.2	21.2
7 10	19 52.87	−22 54.2	1.361	2.372	3.5	20.9
7 20	19 42.02	−23 15.6	1.333	2.347	2.0	20.7
7 30	19 31.19	−23 31.7	1.330	2.322	7.0	21.0
8 9	19 21.81	−23 40.3	1.351	2.296	11.9	21.2
8 19	19 15.00	−23 41.2	1.394	2.271	16.3	21.4

367295 2007 VG_{55} 7 16.9 155°.75 2°.8/15.6 17

6 10	20 16.36	−25 7.5	1.716	2.565	15.2	21.8
6 20	20 11.04	−26 1.5	1.646	2.571	11.7	21.5
6 30	20 3.01	−26 59.6	1.597	2.577	7.7	21.3
7 10	19 53.00	−27 55.9	1.574	2.582	3.8	21.1
7 20	19 42.04	−28 44.4	1.577	2.586	3.5	21.1
7 30	19 31.46	−29 20.7	1.608	2.590	7.2	21.3
8 9	19 22.49	−29 43.2	1.663	2.594	11.1	21.6
8 19	19 16.02	−29 52.6	1.740	2.596	14.6	21.8

172614 2003 WY_{119} 7 16.9 276°.37 0°.1/16.9 18

6 10	20 13.79	−20 21.3	1.546	2.400	16.4	20.3
6 20	20 9.49	−20 26.3	1.454	2.382	12.8	20.1
6 30	20 2.29	−20 38.1	1.383	2.364	8.5	19.8
7 10	19 52.81	−20 53.9	1.335	2.345	3.6	19.4
7 20	19 42.08	−21 10.2	1.312	2.327	1.7	19.2
7 30	19 31.47	−21 23.6	1.314	2.308	6.9	19.5
8 9	19 22.38	−21 32.2	1.341	2.289	11.8	19.8
8 19	19 15.88	−21 35.3	1.389	2.270	16.2	20.0

420838 2013 JU_{30} 7 16.9 15°.16 5°.7/19.2 17

6 10	20 8.01	− 8 15.4	1.137	1.994	20.8	20.8
6 20	20 5.36	− 8 8.5	1.075	1.996	16.9	20.6
6 30	19 59.65	− 8 24.4	1.031	2.000	12.3	20.3
7 10	19 51.69	− 9 3.2	1.005	2.004	7.8	20.1
7 20	19 42.65	−10 1.9	1.002	2.008	5.7	20.0
7 30	19 34.06	−11 14.4	1.021	2.014	8.5	20.1
8 9	19 27.33	−12 32.8	1.062	2.020	13.0	20.4
8 19	19 23.45	−13 50.0	1.123	2.027	17.3	20.7

24860 1996 CK_{1} 7 16.9 205°.67 2°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.64	−26 56.3	2.328	3.167	12.1	19.3
6 20	20 8.35	−27 28.9	2.243	3.162	9.3	19.1
6 30	20 0.98	−28 2.6	2.181	3.157	6.2	18.9
7 10	19 52.10	−28 33.4	2.146	3.152	3.2	18.7
7 20	19 42.48	−28 57.9	2.138	3.146	2.9	18.6
7 30	19 33.07	−29 13.3	2.159	3.139	5.8	18.8
8 9	19 24.80	−29 19.0	2.206	3.132	9.0	19.0
8 19	19 18.39	−29 15.4	2.278	3.125	11.9	19.2

255837 2006 SS_{103} 7 16.9 114°.44 2°.1/16.1 17

6 10	20 16.55	−24 43.1	1.656	2.507	15.6	21.1
6 20	20 11.09	−25 11.2	1.593	2.519	12.0	20.9
6 30	20 2.94	−25 42.1	1.551	2.531	7.8	20.7
7 10	19 52.92	−26 11.0	1.533	2.542	3.6	20.5
7 20	19 42.13	−26 33.4	1.542	2.554	2.8	20.5
7 30	19 31.86	−26 46.5	1.577	2.564	6.7	20.7
8 9	19 23.32	−26 49.3	1.638	2.575	10.8	21.0
8 19	19 17.31	−26 43.2	1.720	2.585	14.3	21.2

141960 2002 PF_{118} 7 16.9 49°.72 4°.9/18.5 18

6 10	20 11.77	−10 26.2	1.416	2.257	18.3	20.0
6 20	20 7.65	− 9 57.4	1.350	2.263	14.7	19.7
6 30	20 0.84	− 9 43.7	1.303	2.269	10.6	19.5
7 10	19 52.10	− 9 45.4	1.277	2.275	6.6	19.3
7 20	19 42.49	−10 1.5	1.276	2.281	5.0	19.2
7 30	19 33.33	−10 29.1	1.299	2.288	7.7	19.4
8 9	19 25.81	−11 4.3	1.345	2.294	11.7	19.7
8 19	19 20.80	−11 42.8	1.413	2.301	15.5	19.9

421376 2013 TK_{137} 7 16.9 157°.70 3°.6/18.4 17

6 10	20 12.45	−10 54.2	1.843	2.666	15.4	21.1
6 20	20 7.64	−10 46.4	1.767	2.670	12.3	20.9
6 30	20 0.60	−10 51.1	1.711	2.674	8.7	20.7
7 10	19 51.96	−11 7.6	1.679	2.678	5.2	20.5
7 20	19 42.58	−11 34.2	1.674	2.681	3.7	20.4
7 30	19 33.48	−12 8.3	1.695	2.684	6.3	20.6
8 9	19 25.68	−12 46.3	1.742	2.686	9.8	20.8
8 19	19 19.91	−13 25.3	1.813	2.688	13.2	21.0

87394 2000 QF_{72} 7 16.9 344°.05 1°.3/17.3 17

6 10	20 3.17	−18 19.9	1.079	1.970	19.3	19.0
6 20	20 2.08	−18 12.2	1.005	1.952	15.1	18.7
6 30	19 57.81	−18 15.3	0.948	1.936	10.2	18.4
7 10	19 51.05	−18 27.6	0.910	1.921	4.6	18.0
7 20	19 42.95	−18 45.9	0.894	1.909	2.2	17.8
7 30	19 35.12	−19 6.4	0.899	1.898	7.9	18.1
8 9	19 29.17	−19 25.3	0.925	1.890	13.5	18.4
8 19	19 26.25	−19 40.0	0.968	1.883	18.4	18.7

199049 2005 WN_{178} 7 16.9 304°.54 5°.9/15.4 18

6 10	20 17.88	−35 18.1	1.646	2.497	15.7	19.2
6 20	20 12.67	−35 37.6	1.564	2.484	12.6	19.0
6 30	20 4.32	−35 50.2	1.502	2.471	9.2	18.8
7 10	19 53.62	−35 49.4	1.463	2.457	6.4	18.6
7 20	19 41.81	−35 30.3	1.449	2.444	6.3	18.5
7 30	19 30.48	−34 51.0	1.461	2.432	9.0	18.7
8 9	19 21.06	−33 54.0	1.496	2.419	12.7	18.8
8 19	19 14.57	−32 44.2	1.553	2.407	16.1	19.0

269357 2008 UL_{97} 7 16.9 238°.95 4°.7/14.4 17

6 10	20 13.65	−30 22.5	1.947	2.797	13.7	20.3
6 20	20 8.96	−31 31.7	1.868	2.791	10.7	20.1
6 30	20 1.71	−32 41.9	1.811	2.784	7.5	19.9
7 10	19 52.52	−33 46.5	1.780	2.778	5.0	19.7
7 20	19 42.31	−34 39.3	1.775	2.771	5.2	19.7
7 30	19 32.29	−35 16.0	1.797	2.764	8.0	19.8
8 9	19 23.66	−35 35.2	1.844	2.757	11.2	20.0
8 19	19 17.33	−35 38.2	1.912	2.750	14.2	20.2

38116 1999 JK_{35} 7 16.9 277°.51 0°.5/17.0 18

6 10	20 12.94	−18 48.0	1.430	2.288	17.3	18.9
6 20	20 8.91	−18 59.4	1.349	2.279	13.5	18.6
6 30	20 1.93	−19 20.2	1.288	2.269	8.9	18.3
7 10	19 52.68	−19 47.5	1.249	2.260	3.8	18.0
7 20	19 42.23	−20 17.3	1.235	2.250	1.7	17.8
7 30	19 32.02	−20 45.4	1.246	2.240	7.0	18.1
8 9	19 23.47	−21 8.9	1.280	2.231	12.0	18.4
8 19	19 17.62	−21 26.2	1.336	2.221	16.4	18.6

360741 2004 VU_{17} 7 16.9 281°.14 2°.2/15.7 18

6 10	20 9.69	−25 51.8	2.384	3.228	11.7	20.7
6 20	20 5.39	−26 28.3	2.290	3.213	9.0	20.5
6 30	19 59.11	−27 7.1	2.219	3.197	6.0	20.3
7 10	19 51.37	−27 44.9	2.174	3.181	3.0	20.1
7 20	19 42.85	−28 17.9	2.156	3.165	2.7	20.1
7 30	19 34.44	−28 43.3	2.166	3.149	5.6	20.2
8 9	19 27.01	−28 59.6	2.203	3.133	8.8	20.4
8 19	19 21.28	−29 6.5	2.264	3.117	11.8	20.6

248610 2006 DJ_{120} 7 16.9 60°.83 2°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.17	−23 14.6	1.202	2.074	19.0	20.1
6 20	20 10.79	−23 59.5	1.152	2.090	14.5	19.9
6 30	20 3.09	−24 50.8	1.121	2.106	9.4	19.7
7 10	19 53.07	−25 41.7	1.112	2.123	4.2	19.4
7 20	19 42.13	−26 25.3	1.127	2.140	3.2	19.4
7 30	19 31.95	−26 56.5	1.166	2.157	8.1	19.8
8 9	19 23.99	−27 13.8	1.228	2.174	12.8	20.1
8 19	19 19.17	−27 18.3	1.309	2.191	16.9	20.4

41922 2000 WT_{158} 7 16.9 282°.78 2°.5/17.8 18

6 10	20 11.28	−13 45.5	1.467	2.315	17.4	19.1
6 20	20 7.67	−13 56.1	1.374	2.296	13.8	18.8
6 30	20 1.20	−14 21.6	1.301	2.276	9.6	18.5
7 10	19 52.43	−15 0.7	1.250	2.257	4.9	18.2
7 20	19 42.33	−15 50.1	1.224	2.237	2.8	18.0
7 30	19 32.23	−16 45.0	1.223	2.217	7.1	18.2
8 9	19 23.57	−17 40.4	1.246	2.198	12.1	18.4
8 19	19 17.45	−18 32.1	1.289	2.178	16.6	18.6

74627 1999 RP_{42} 7 16.9 252°.43 5°.2/14.4 18

6 10	20 17.25	−31 9.6	1.830	2.677	14.5	19.8
6 20	20 12.12	−32 15.1	1.737	2.658	11.5	19.5
6 30	20 4.03	−33 21.8	1.667	2.638	8.2	19.3
7 10	19 53.59	−34 22.6	1.621	2.618	5.6	19.1
7 20	19 41.80	−35 10.2	1.602	2.597	5.8	19.1
7 30	19 30.05	−35 39.5	1.609	2.576	8.8	19.2
8 9	19 19.78	−35 49.1	1.641	2.554	12.4	19.4
8 19	19 12.10	−35 41.0	1.694	2.531	15.8	19.5

11118 Modra 7 16.9 70°.18 2°.4/16.1 18 R

6 10	20 15.54	−24 50.6	1.372	2.237	17.5	17.7
6 20	20 10.84	−25 18.1	1.312	2.246	13.4	17.4
6 30	20 3.05	−25 49.1	1.272	2.255	8.8	17.2
7 10	19 53.06	−26 18.1	1.254	2.264	4.0	16.9
7 20	19 42.14	−26 39.9	1.261	2.273	3.1	16.9
7 30	19 31.85	−26 50.9	1.293	2.283	7.6	17.2
8 9	19 23.55	−26 50.5	1.349	2.292	12.1	17.5
8 19	19 18.16	−26 40.2	1.425	2.302	16.1	17.7

488593 2002 QQ_{69} 7 16.9 344°.01 2°.4/17.8 16

6 10	20 6.24	−15 2.8	1.404	2.267	17.2	21.4
6 20	20 3.69	−14 59.2	1.326	2.256	13.6	21.2
6 30	19 58.48	−15 7.9	1.267	2.246	9.3	20.9
7 10	19 51.25	−15 27.8	1.229	2.237	4.7	20.6
7 20	19 42.98	−15 56.4	1.216	2.229	2.7	20.5
7 30	19 34.96	−16 29.9	1.226	2.222	6.8	20.7
8 9	19 28.45	−17 4.5	1.259	2.216	11.5	20.9
8 19	19 24.40	−17 36.9	1.313	2.212	15.7	21.2

89110 2001 TW_{210} 7 16.9 173°.91 4°.9/19.6 18

6 10	20 9.38	− 3 47.9	2.836	3.610	11.8	20.3
6 20	20 4.54	− 3 23.0	2.750	3.613	9.8	20.1
6 30	19 58.24	− 3 9.2	2.687	3.615	7.6	20.0
7 10	19 50.94	− 3 7.1	2.648	3.617	5.7	19.9
7 20	19 43.17	− 3 16.8	2.637	3.618	4.9	19.8
7 30	19 35.57	− 3 37.1	2.654	3.619	5.8	19.9
8 9	19 28.74	− 4 6.0	2.699	3.620	7.8	20.0
8 19	19 23.19	− 4 40.9	2.768	3.619	9.9	20.1

244163 2001 XX_{15} 7 16.9 245°.90 1°.5/17.5 18

6 10	20 12.59	−16 12.7	1.978	2.811	14.1	20.6
6 20	20 7.88	−16 18.2	1.882	2.797	11.1	20.4
6 30	20 0.89	−16 32.3	1.809	2.782	7.5	20.1
7 10	19 52.19	−16 53.1	1.760	2.767	3.6	19.9
7 20	19 42.57	−17 18.5	1.738	2.752	1.8	19.7
7 30	19 33.05	−17 45.6	1.744	2.736	5.6	19.9
8 9	19 24.67	−18 11.8	1.776	2.720	9.7	20.2
8 19	19 18.26	−18 35.5	1.831	2.703	13.3	20.3

474495 2003 UH_4 7 16.9 285°.32 2°.3/16.2 17

6 10	20 16.20	−27 23.8	1.935	2.780	14.0	22.0
6 20	20 10.98	−27 27.0	1.829	2.751	10.9	21.7
6 30	20 3.11	−27 29.5	1.745	2.723	7.3	21.4
7 10	19 53.18	−27 27.4	1.686	2.694	3.6	21.1
7 20	19 42.11	−27 17.4	1.654	2.665	2.9	21.0
7 30	19 31.11	−26 57.4	1.649	2.635	6.6	21.2
8 9	19 21.44	−26 27.7	1.670	2.605	10.8	21.4
8 19	19 14.06	−25 50.0	1.714	2.575	14.5	21.5

323412 2004 CB_{116} 7 16.9 126°.32 1°.0/16.4 17

6 10	20 14.59	−20 48.5	1.713	2.560	15.4	20.9
6 20	20 9.57	−21 31.8	1.645	2.570	11.8	20.6
6 30	20 2.01	−22 22.3	1.599	2.579	7.6	20.4
7 10	19 52.62	−23 15.5	1.578	2.589	3.2	20.2
7 20	19 42.41	−24 6.2	1.584	2.597	2.0	20.1
7 30	19 32.59	−24 49.8	1.616	2.606	6.3	20.4
8 9	19 24.30	−25 23.9	1.674	2.614	10.4	20.7
8 19	19 18.36	−25 47.8	1.755	2.622	14.0	20.9

243167 2007 TB_{109} 7 16.9 230°.65 5°.8/19.6 18

6 10	20 9.80	− 3 32.5	2.369	3.151	13.6	21.0
6 20	20 5.25	− 3 2.6	2.274	3.141	11.4	20.9
6 30	19 58.93	− 2 45.8	2.200	3.131	8.9	20.7
7 10	19 51.30	− 2 43.3	2.151	3.120	6.8	20.5
7 20	19 43.00	− 2 55.4	2.127	3.109	5.8	20.5
7 30	19 34.81	− 3 21.0	2.131	3.098	6.9	20.5
8 9	19 27.49	− 3 57.5	2.161	3.086	9.2	20.6
8 19	19 21.70	− 4 41.7	2.215	3.073	11.8	20.8

60000 Miminko 7 16.9 171°.96 4°.1/19.1 18

6 10	20 7.79	− 7 33.0	2.407	3.210	12.8	19.8
6 20	20 3.62	− 7 22.1	2.323	3.211	10.4	19.6
6 30	19 57.79	− 7 22.6	2.262	3.211	7.7	19.5
7 10	19 50.80	− 7 34.8	2.225	3.212	5.2	19.3
7 20	19 43.25	− 7 57.7	2.214	3.212	4.1	19.2
7 30	19 35.88	− 8 29.4	2.231	3.212	5.6	19.3
8 9	19 29.41	− 9 7.3	2.275	3.212	8.2	19.5
8 19	19 24.41	− 9 48.6	2.344	3.212	10.9	19.7

339375 2005 AO_{64} 7 16.9 245°.81 0°.4/17.1 18

6 10	20 11.93	−18 17.9	2.179	3.012	13.0	22.0
6 20	20 7.20	−18 36.4	2.081	2.997	10.1	21.8
6 30	20 0.37	−19 2.2	2.006	2.981	6.7	21.6
7 10	19 51.96	−19 32.7	1.956	2.965	2.9	21.3
7 20	19 42.69	−20 5.2	1.934	2.949	1.3	21.2
7 30	19 33.50	−20 36.7	1.940	2.932	5.2	21.4
8 9	19 25.34	−21 4.8	1.973	2.914	9.0	21.6
8 19	19 18.97	−21 28.2	2.030	2.896	12.4	21.8

249796 2000 YE_{56} 7 16.9 285°.76 2°.7/17.8 18

6 10	20 10.19	−14 10.4	2.262	3.087	12.9	20.6
6 20	20 5.74	−13 46.0	2.159	3.066	10.2	20.4
6 30	19 59.35	−13 28.3	2.078	3.045	7.1	20.1
7 10	19 51.51	−13 17.1	2.023	3.024	4.0	19.9
7 20	19 42.91	−13 11.9	1.994	3.003	2.8	19.8
7 30	19 34.38	−13 11.8	1.994	2.982	5.4	19.9
8 9	19 26.80	−13 15.4	2.019	2.961	8.8	20.1
8 19	19 20.87	−13 21.4	2.069	2.940	12.0	20.2

16630 1993 NZ_1 7 16.9 257°.37 0°.2/16.9 18

6 10	20 11.21	−20 54.0	2.407	3.242	11.9	18.2
6 20	20 6.35	−20 48.2	2.314	3.231	9.2	18.0
6 30	19 59.64	−20 45.4	2.244	3.221	6.0	17.8
7 10	19 51.59	−20 44.0	2.200	3.210	2.5	17.5
7 20	19 42.89	−20 42.3	2.184	3.199	1.1	17.4
7 30	19 34.38	−20 39.0	2.197	3.188	4.7	17.6
8 9	19 26.87	−20 33.4	2.237	3.177	8.1	17.8
8 19	19 21.00	−20 25.2	2.301	3.166	11.2	18.0

19104 1981 EY_{13} 7 16.9 310°.22 4°.5/18.8 18

6 10	20 7.77	− 8 30.4	2.100	2.915	14.0	18.9
6 20	20 3.92	− 8 8.9	2.011	2.907	11.4	18.7
6 30	19 58.16	− 7 59.3	1.944	2.898	8.5	18.5
7 10	19 51.01	− 8 2.0	1.900	2.890	5.7	18.4
7 20	19 43.16	− 8 16.6	1.882	2.881	4.5	18.3
7 30	19 35.46	− 8 41.4	1.891	2.873	6.3	18.4
8 9	19 28.76	− 9 13.7	1.925	2.866	9.2	18.5
8 19	19 23.75	− 9 50.5	1.983	2.858	12.3	18.7

216871 2008 DV_{68} 7 16.9 47°.39 0°.1/16.9 17

6 10	20 9.37	−19 31.7	1.990	2.836	13.6	20.7
6 20	20 5.17	−19 53.2	1.924	2.847	10.4	20.6
6 30	19 58.93	−20 20.9	1.880	2.859	6.8	20.4
7 10	19 51.29	−20 51.9	1.861	2.871	2.8	20.1
7 20	19 43.06	−21 23.2	1.869	2.884	1.3	20.0
7 30	19 35.18	−21 51.8	1.904	2.896	5.2	20.3
8 9	19 28.53	−22 15.6	1.965	2.909	8.8	20.6
8 19	19 23.75	−22 33.6	2.049	2.922	12.0	20.8

465598 2009 BL_{137} 7 16.9 81°.80 0°.4/16.8 17

6 10	20 15.26	−20 40.6	1.350	2.211	17.9	21.2
6 20	20 10.60	−20 56.3	1.289	2.220	13.8	21.0
6 30	20 2.91	−21 19.4	1.247	2.229	9.0	20.7
7 10	19 53.05	−21 45.9	1.227	2.238	3.7	20.4
7 20	19 42.27	−22 11.3	1.232	2.247	1.8	20.3
7 30	19 32.05	−22 31.6	1.263	2.256	7.1	20.7
8 9	19 23.79	−22 44.9	1.316	2.265	11.9	21.0
8 19	19 18.37	−22 51.0	1.391	2.274	16.0	21.3

496427 2014 GG_{18} 7 16.9 169°.31 17°.4/23.8 17

6 10	20 14.12	+13 42.2	1.380	2.108	24.0	21.8
6 20	20 9.72	+15 39.2	1.319	2.111	22.0	21.7
6 30	20 2.42	+17 5.0	1.271	2.113	20.0	21.5
7 10	19 52.91	+17 50.9	1.239	2.114	18.4	21.4
7 20	19 42.29	+17 51.0	1.225	2.116	17.5	21.4
7 30	19 31.94	+17 4.5	1.229	2.116	17.6	21.4
8 9	19 23.25	+15 37.6	1.252	2.116	18.7	21.5
8 19	19 17.23	+13 40.5	1.292	2.116	20.5	21.6

361485 2007 DH_{98} 7 16.9 159°.22 4°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.91	−36 48.0	2.717	3.542	10.9	21.6
6 20	20 9.82	−37 13.0	2.643	3.546	8.7	21.5
6 30	20 1.79	−37 32.2	2.594	3.551	6.5	21.3
7 10	19 52.44	−37 41.7	2.570	3.554	4.8	21.2
7 20	19 42.56	−37 38.6	2.575	3.558	4.9	21.2
7 30	19 33.06	−37 21.9	2.607	3.561	6.5	21.3
8 9	19 24.79	−36 52.5	2.666	3.564	8.8	21.5
8 19	19 18.35	−36 12.7	2.749	3.567	10.9	21.6

42137 2001 BO_{27} 7 16.9 65°.02 0°.5/16.6 17

6 10	20 10.35	−21 44.1	2.194	3.036	12.6	19.2
6 20	20 5.71	−21 59.6	2.129	3.051	9.6	19.0
6 30	19 59.18	−22 18.7	2.086	3.065	6.2	18.8
7 10	19 51.37	−22 38.8	2.070	3.080	2.6	18.6
7 20	19 43.05	−22 57.3	2.080	3.095	1.4	18.5
7 30	19 35.09	−23 12.1	2.119	3.110	5.0	18.8
8 9	19 28.30	−23 22.0	2.184	3.124	8.3	19.0
8 19	19 23.28	−23 26.7	2.273	3.139	11.2	19.3

320324 2007 TR_{45} 7 16.9 327°.58 5°.5/14.8 17

6 10	20 8.62	−27 33.5	1.087	1.978	19.1	19.8
6 20	20 6.79	−28 41.3	1.013	1.960	15.0	19.5
6 30	20 1.24	−29 56.1	0.957	1.944	10.3	19.2
7 10	19 52.66	−31 8.8	0.922	1.928	6.2	18.9
7 20	19 42.36	−32 9.0	0.908	1.914	6.3	18.9
7 30	19 32.27	−32 48.4	0.916	1.900	10.8	19.1
8 9	19 24.35	−33 4.0	0.943	1.888	15.8	19.3
8 19	19 20.00	−32 57.5	0.988	1.877	20.5	19.6

45364 2000 AW_{104} 7 16.9 286°.89 4°.7/18.4 18

6 10	20 11.10	−10 41.6	1.516	2.354	17.5	19.7
6 20	20 7.30	−10 16.2	1.428	2.340	14.1	19.4
6 30	20 0.82	−10 4.5	1.360	2.326	10.2	19.2
7 10	19 52.27	−10 7.3	1.315	2.312	6.4	18.9
7 20	19 42.59	−10 23.9	1.293	2.299	4.8	18.8
7 30	19 33.05	−10 52.2	1.296	2.285	7.6	18.9
8 9	19 24.92	−11 28.4	1.323	2.271	11.8	19.1
8 19	19 19.19	−12 8.4	1.371	2.258	15.9	19.3

255581 2006 LM_{5} 7 16.9 357°.62 1°.3/16.5 17

6 10	20 4.12	−20 56.3	0.934	1.835	20.6	20.2
6 20	20 3.20	−21 26.7	0.875	1.829	15.9	19.9
6 30	19 58.72	−22 8.9	0.833	1.825	10.4	19.6
7 10	19 51.51	−22 57.7	0.810	1.822	4.4	19.2
7 20	19 42.95	−23 45.7	0.807	1.822	2.6	19.1
7 30	19 34.91	−24 25.9	0.825	1.823	8.7	19.5
8 9	19 29.11	−24 54.0	0.862	1.826	14.4	19.8
8 19	19 26.69	−25 8.8	0.917	1.831	19.3	20.1

140961 2001 VZ_{106} 7 16.9 95°.13 3°.4/18.2 18

6 10	20 10.51	−11 59.7	2.165	2.985	13.5	19.7
6 20	20 5.83	−11 33.5	2.088	2.990	10.7	19.6
6 30	19 59.29	−11 16.1	2.033	2.995	7.6	19.4
7 10	19 51.45	−11 7.6	2.003	3.000	4.6	19.2
7 20	19 43.04	−11 7.4	2.000	3.006	3.4	19.1
7 30	19 34.91	−11 14.0	2.025	3.011	5.6	19.3
8 9	19 27.88	−11 25.8	2.075	3.016	8.7	19.5
8 19	19 22.55	−11 40.8	2.150	3.021	11.6	19.7

220995 2005 NP_{53} 7 16.9 8°.23 1°.8/17.4 17

6 10	20 8.06	−17 9.0	1.130	2.008	19.5	20.1
6 20	20 5.53	−17 3.2	1.069	2.009	15.2	19.8
6 30	19 59.85	−17 9.2	1.026	2.011	10.2	19.5
7 10	19 51.87	−17 25.2	1.004	2.014	4.7	19.2
7 20	19 42.84	−17 47.6	1.004	2.018	2.3	19.1
7 30	19 34.34	−18 12.3	1.026	2.024	7.5	19.4
8 9	19 27.81	−18 35.6	1.070	2.031	12.6	19.7
8 19	19 24.21	−18 55.2	1.134	2.039	17.1	20.0

249773 2000 WV_{8} 7 16.9 270°.48 1°.7/17.5 18

6 10	20 11.01	−16 30.6	2.421	3.246	12.1	20.5
6 20	20 6.25	−16 12.1	2.318	3.227	9.5	20.3
6 30	19 59.63	−15 58.6	2.238	3.208	6.5	20.1
7 10	19 51.64	−15 49.5	2.184	3.189	3.3	19.8
7 20	19 42.95	−15 43.8	2.158	3.170	2.0	19.7
7 30	19 34.35	−15 40.6	2.160	3.150	4.9	19.9
8 9	19 26.67	−15 38.9	2.189	3.131	8.3	20.1
8 19	19 20.57	−15 37.9	2.243	3.111	11.3	20.2

55640 2114 $P–L$ 7 16.9 320°.08 3°.8/18.2 18

6 10	20 10.71	−12 24.0	1.488	2.333	17.4	19.1
6 20	20 6.95	−12 8.4	1.410	2.328	13.9	18.9
6 30	20 0.53	−12 6.0	1.352	2.323	9.8	18.6
7 10	19 52.13	−12 16.7	1.316	2.318	5.6	18.4
7 20	19 42.73	−12 38.7	1.304	2.313	3.9	18.3
7 30	19 33.61	−13 9.1	1.317	2.309	7.1	18.4
8 9	19 25.99	−13 44.1	1.354	2.305	11.4	18.7
8 19	19 20.78	−14 20.2	1.412	2.301	15.4	18.9

472939 2015 GQ_{25} 7 16.9 35°.23 4°.8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.76	−27 23.5	1.569	2.433	15.7	20.7
6 20	20 7.92	−29 2.3	1.508	2.440	12.1	20.5
6 30	20 1.23	−30 45.5	1.469	2.448	8.3	20.3
7 10	19 52.44	−32 24.5	1.454	2.456	5.2	20.1
7 20	19 42.60	−33 50.4	1.465	2.465	5.6	20.1
7 30	19 33.11	−34 57.0	1.502	2.474	8.8	20.3
8 9	19 25.29	−35 41.8	1.563	2.483	12.4	20.6
8 19	19 20.09	−36 6.2	1.644	2.493	15.6	20.8

446534 2014 MP_{14} 7 16.9 356°.48 2°.5/18.4 18

6 10	20 5.95	−11 2.1	1.807	2.644	15.1	20.0
6 20	20 2.87	−11 38.0	1.727	2.641	12.0	19.8
6 30	19 57.66	−12 29.6	1.668	2.638	8.3	19.6
7 10	19 50.88	−13 34.8	1.633	2.637	4.5	19.4
7 20	19 43.31	−14 49.7	1.624	2.636	2.6	19.2
7 30	19 35.93	−16 9.2	1.641	2.635	5.7	19.4
8 9	19 29.70	−17 27.8	1.684	2.636	9.5	19.7
8 19	19 25.37	−18 41.0	1.751	2.637	13.1	19.9

300599 2007 TW_{430} 7 16.9 277°.91 2°.3/15.7 18

6 10	20 10.88	−25 3.0	2.038	2.887	13.2	20.3
6 20	20 6.61	−25 47.9	1.954	2.880	10.1	20.1
6 30	20 0.09	−26 36.5	1.892	2.872	6.7	19.9
7 10	19 51.90	−27 24.6	1.856	2.864	3.3	19.7
7 20	19 42.85	−28 7.5	1.847	2.857	2.9	19.6
7 30	19 33.98	−28 41.6	1.865	2.849	6.2	19.8
8 9	19 26.30	−29 4.8	1.909	2.842	9.8	20.0
8 19	19 20.62	−29 17.1	1.976	2.834	13.0	20.2

491621 2012 TE_{98} 7 16.9 341°.91 3°.9/15.3 16

6 10	20 13.60	−29 24.7	1.815	2.668	14.4	21.9
6 20	20 8.94	−30 4.6	1.742	2.668	11.2	21.7
6 30	20 1.69	−30 44.3	1.690	2.667	7.6	21.5
7 10	19 52.56	−31 18.2	1.663	2.666	4.5	21.3
7 20	19 42.57	−31 41.6	1.662	2.666	4.4	21.3
7 30	19 32.93	−31 51.3	1.688	2.665	7.4	21.5
8 9	19 24.83	−31 47.1	1.738	2.665	10.9	21.7
8 19	19 19.09	−31 30.7	1.810	2.665	14.2	21.9

13924 1986 PE_{1} 7 16.9 280°.63 2°.4/18.0 18

6 10	20 10.45	−12 52.7	1.607	2.448	16.5	17.9
6 20	20 6.70	−13 13.6	1.520	2.437	13.0	17.6
6 30	20 0.39	−13 49.6	1.454	2.427	9.0	17.3
7 10	19 52.10	−14 38.8	1.411	2.416	4.7	17.1
7 20	19 42.74	−15 37.7	1.393	2.405	2.6	16.9
7 30	19 33.50	−16 41.4	1.401	2.395	6.5	17.1
8 9	19 25.60	−17 44.6	1.434	2.384	10.9	17.4
8 19	19 19.99	−18 43.2	1.489	2.374	15.0	17.6

138003 2000 CK_{85} 7 16.9 187°.54 1°.6/16.3 18

6 10	20 14.72	−23 17.6	1.773	2.622	14.9	20.5
6 20	20 9.74	−23 49.2	1.696	2.622	11.4	20.2
6 30	20 2.21	−24 25.4	1.641	2.621	7.5	20.0
7 10	19 52.79	−25 2.0	1.610	2.620	3.3	19.8
7 20	19 42.46	−25 34.4	1.606	2.619	2.4	19.7
7 30	19 32.44	−25 59.0	1.629	2.618	6.4	19.9
8 9	19 23.90	−26 14.1	1.677	2.616	10.5	20.2
8 19	19 17.69	−26 19.9	1.748	2.613	14.1	20.4

183925 2004 CG_{123} 7 16.9 339°.88 1°.5/17.4 17

6 10	20 6.68	−16 58.9	1.164	2.042	19.0	19.8
6 20	20 4.62	−17 3.7	1.090	2.030	14.9	19.6
6 30	19 59.43	−17 21.6	1.034	2.018	10.0	19.2
7 10	19 51.80	−17 50.4	0.998	2.008	4.6	18.9
7 20	19 42.88	−18 26.3	0.984	1.999	2.1	18.7
7 30	19 34.23	−19 4.3	0.993	1.991	7.6	19.0
8 9	19 27.40	−19 39.8	1.023	1.984	13.0	19.3
8 19	19 23.50	−20 9.6	1.072	1.979	17.8	19.6

272198 2005 QC_{15} 7 16.9 253°.61 1°.0/16.5 18

6 10	20 14.47	−22 20.4	1.878	2.723	14.3	21.6
6 20	20 9.59	−22 39.5	1.783	2.706	11.1	21.3
6 30	20 2.18	−23 3.5	1.710	2.689	7.3	21.0
7 10	19 52.83	−23 29.1	1.661	2.672	3.1	20.7
7 20	19 42.43	−23 52.4	1.640	2.654	1.9	20.6
7 30	19 32.13	−24 10.2	1.645	2.635	6.2	20.9
8 9	19 23.11	−24 20.8	1.676	2.616	10.4	21.1
8 19	19 16.31	−24 23.9	1.730	2.597	14.2	21.3

13040 1990 OB_{4} 7 16.9 320°.52 4°.0/17.5 18

6 10	20 11.32	−15 47.6	1.453	2.307	17.3	17.1
6 20	20 7.72	−14 45.2	1.358	2.281	13.8	16.8
6 30	20 1.25	−13 47.2	1.282	2.257	9.8	16.5
7 10	19 52.53	−12 55.2	1.229	2.233	5.6	16.2
7 20	19 42.55	−12 10.5	1.200	2.209	4.3	16.1
7 30	19 32.67	−11 34.2	1.196	2.187	7.9	16.2
8 9	19 24.27	−11 6.6	1.215	2.165	12.5	16.4
8 19	19 18.44	−10 47.1	1.254	2.144	16.9	16.6

257945 2000 YC_{12} 7 16.9 46°.36 3°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 10.76	−28 13.5	2.227	3.074	12.3	20.1
6 20	20 6.31	−29 5.6	2.152	3.075	9.5	19.9
6 30	19 59.78	−29 58.9	2.100	3.076	6.4	19.7
7 10	19 51.74	−30 48.5	2.074	3.077	3.8	19.6
7 20	19 42.97	−31 30.1	2.075	3.078	3.7	19.6
7 30	19 34.44	−32 0.6	2.103	3.078	6.4	19.7
8 9	19 27.06	−32 18.6	2.158	3.079	9.4	19.9
8 19	19 21.57	−32 24.7	2.235	3.081	12.2	20.1

246613 2008 VW_{71} 7 16.9 199°.35 8°.3/10.6 17

6 10	20 19.70	−41 26.7	2.285	3.107	12.8	21.0
6 20	20 13.93	−43 30.0	2.216	3.105	10.8	20.9
6 30	20 5.24	−45 28.0	2.170	3.101	9.0	20.7
7 10	19 54.20	−47 11.6	2.151	3.097	8.3	20.7
7 20	19 41.79	−48 33.2	2.159	3.093	8.9	20.7
7 30	19 29.35	−49 28.0	2.193	3.088	10.6	20.8
8 9	19 18.31	−49 55.9	2.250	3.083	12.6	21.0
8 19	19 9.79	−50 0.1	2.328	3.077	14.6	21.1

398308 2010 YL_3 7 16.9 357°.35 2°.1/17.6 18

6 10	20 10.21	−16 37.5	1.926	2.766	14.2	20.2
6 20	20 5.92	−16 8.5	1.847	2.765	11.1	20.0
6 30	19 59.51	−15 45.5	1.789	2.763	7.5	19.8
7 10	19 51.62	−15 28.2	1.757	2.762	3.8	19.6
7 20	19 43.05	−15 15.7	1.750	2.762	2.4	19.5
7 30	19 34.78	−15 7.1	1.770	2.762	5.6	19.7
8 9	19 27.75	−15 1.4	1.816	2.762	9.3	19.9
8 19	19 22.65	−14 57.6	1.885	2.763	12.6	20.1

113489 2002 TW_2 7 16.9 343°.30 1°.7/17.4 17 R

6 10	20 4.44	−17 42.2	1.035	1.925	19.9	19.0
6 20	20 3.22	−17 32.4	0.964	1.910	15.7	18.7
6 30	19 58.68	−17 34.4	0.909	1.896	10.6	18.4
7 10	19 51.54	−17 46.9	0.873	1.884	4.9	18.0
7 20	19 43.03	−18 6.7	0.859	1.873	2.4	17.8
7 30	19 34.81	−18 29.6	0.865	1.865	8.0	18.1
8 9	19 28.55	−18 51.7	0.892	1.858	13.8	18.4
8 19	19 25.44	−19 10.0	0.936	1.852	18.8	18.7

23011 Petach 7 16.9 76°.34 4°.1/15.5 18

6 10	20 17.54	−28 8.9	1.438	2.298	17.0	18.7
6 20	20 12.26	−28 57.7	1.387	2.317	13.1	18.5
6 30	20 3.93	−29 46.8	1.357	2.336	8.8	18.3
7 10	19 53.49	−30 29.2	1.350	2.355	4.9	18.1
7 20	19 42.26	−30 58.8	1.369	2.374	4.6	18.2
7 30	19 31.76	−31 12.4	1.412	2.393	8.2	18.4
8 9	19 23.33	−31 10.1	1.479	2.412	12.1	18.7
8 19	19 17.80	−30 54.8	1.567	2.430	15.6	19.0

338671 2003 SM_{392} 7 16.9 157°.74 1°.6/16.1 18

6 10	20 12.33	−23 11.8	2.032	2.876	13.4	20.8
6 20	20 7.59	−23 51.5	1.956	2.879	10.3	20.6
6 30	20 0.65	−24 35.6	1.902	2.882	6.7	20.4
7 10	19 52.12	−25 20.1	1.875	2.884	3.0	20.2
7 20	19 42.83	−26 0.8	1.874	2.886	2.2	20.1
7 30	19 33.81	−26 34.2	1.901	2.888	5.8	20.4
8 9	19 26.03	−26 58.5	1.954	2.890	9.4	20.6
8 19	19 20.25	−27 13.3	2.031	2.891	12.6	20.8

373207 2012 DM_{94} 7 16.9 34°.38 2°.1/16.3 17

6 10	20 13.25	−24 4.6	1.203	2.079	18.7	20.9
6 20	20 9.43	−24 27.6	1.148	2.088	14.4	20.7
6 30	20 2.34	−24 55.3	1.112	2.097	9.4	20.5
7 10	19 52.91	−25 22.2	1.097	2.107	4.2	20.2
7 20	19 42.51	−25 42.9	1.105	2.118	3.0	20.1
7 30	19 32.81	−25 53.5	1.137	2.129	7.9	20.5
8 9	19 25.25	−25 53.3	1.191	2.141	12.7	20.8
8 19	19 20.77	−25 43.4	1.265	2.153	16.9	21.1

211948 2004 XL_{110} 7 16.9 86°.57 3°.0/17.7 17

6 10	20 15.28	−15 31.2	1.407	2.256	18.0	20.0
6 20	20 10.46	−15 1.5	1.340	2.262	14.2	19.8
6 30	20 2.78	−14 41.5	1.293	2.268	9.7	19.6
7 10	19 53.05	−14 30.6	1.268	2.274	5.1	19.3
7 20	19 42.45	−14 27.5	1.268	2.279	3.2	19.2
7 30	19 32.35	−14 30.3	1.293	2.285	7.1	19.5
8 9	19 24.04	−14 37.0	1.342	2.291	11.6	19.7
8 19	19 18.40	−14 45.5	1.412	2.297	15.6	20.0

384438 2010 AU_5 7 16.9 142°.22 1°.3/16.5 18

6 10	20 16.93	−25 25.7	2.056	2.894	13.5	20.5
6 20	20 10.93	−25 22.1	1.982	2.901	10.4	20.3
6 30	20 2.69	−25 18.5	1.931	2.908	6.8	20.1
7 10	19 52.92	−25 12.3	1.905	2.914	3.0	19.8
7 20	19 42.53	−25 1.0	1.908	2.921	2.0	19.8
7 30	19 32.58	−24 43.8	1.938	2.926	5.6	20.0
8 9	19 24.05	−24 20.8	1.996	2.932	9.2	20.3
8 19	19 17.64	−23 53.4	2.077	2.937	12.4	20.5

159440 1999 XL_{62} 7 16.9 290°.52 0°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.58	−19 21.2	1.809	2.656	14.7	20.5
6 20	20 7.47	−19 26.1	1.709	2.632	11.5	20.3
6 30	20 0.88	−19 37.6	1.630	2.609	7.6	20.0
7 10	19 52.34	−19 53.7	1.575	2.585	3.3	19.7
7 20	19 42.71	−20 11.5	1.546	2.561	1.4	19.5
7 30	19 33.11	−20 28.3	1.544	2.538	6.1	19.7
8 9	19 24.73	−20 41.9	1.567	2.514	10.5	19.9
8 19	19 18.51	−20 51.1	1.613	2.490	14.5	20.1

389053 2008 VK_{51} 7 16.9 168°.59 1°.6/17.7 18

6 10	20 12.13	−15 19.6	2.636	3.452	11.5	22.7
6 20	20 6.80	−15 19.9	2.553	3.457	9.0	22.5
6 30	19 59.82	−15 26.4	2.493	3.461	6.1	22.4
7 10	19 51.70	−15 38.1	2.460	3.465	3.0	22.2
7 20	19 43.06	−15 53.3	2.456	3.468	1.7	22.1
7 30	19 34.64	−16 10.4	2.480	3.470	4.4	22.3
8 9	19 27.13	−16 27.8	2.533	3.472	7.4	22.5
8 19	19 21.11	−16 44.3	2.612	3.473	10.1	22.6

9129 1998 HU_{144} 7 16.9 336°.25 0°.7/17.2 18

6 10	20 7.05	−18 31.8	1.671	2.529	15.2	17.8
6 20	20 4.03	−18 38.1	1.585	2.514	11.8	17.5
6 30	19 58.60	−18 52.4	1.519	2.500	7.8	17.3
7 10	19 51.36	−19 12.8	1.477	2.487	3.4	17.0
7 20	19 43.18	−19 36.2	1.460	2.475	1.5	16.8
7 30	19 35.18	−19 59.6	1.468	2.464	6.0	17.1
8 9	19 28.48	−20 20.4	1.501	2.453	10.4	17.3
8 19	19 23.95	−20 36.9	1.555	2.443	14.3	17.5

309120 2006 WL_{174} 7 16.9 159°.20 2°.3/15.6 18

6 10	20 10.72	−25 17.5	2.266	3.110	12.2	20.8
6 20	20 6.21	−26 6.1	2.188	3.111	9.3	20.6
6 30	19 59.69	−26 57.6	2.134	3.113	6.2	20.4
7 10	19 51.72	−27 48.0	2.107	3.114	3.1	20.2
7 20	19 43.04	−28 33.0	2.106	3.115	2.8	20.2
7 30	19 34.58	−29 9.4	2.134	3.116	5.7	20.4
8 9	19 27.22	−29 35.4	2.188	3.117	8.9	20.6
8 19	19 21.65	−29 51.0	2.266	3.117	11.8	20.8

66862 1999 VL_{37} 7 16.9 270°.59 3°.4/18.1 18

6 10	20 11.24	−12 30.6	1.960	2.786	14.5	19.2
6 20	20 6.83	−12 8.2	1.865	2.771	11.6	19.0
6 30	20 0.24	−11 55.2	1.791	2.756	8.2	18.7
7 10	19 52.00	−11 51.5	1.742	2.741	4.9	18.5
7 20	19 42.90	−11 56.6	1.719	2.726	3.5	18.4
7 30	19 33.91	−12 8.9	1.722	2.711	6.2	18.5
8 9	19 26.04	−12 26.3	1.752	2.695	9.8	18.7
8 19	19 20.06	−12 46.6	1.805	2.680	13.3	18.9

158381 2001 XQ_{210} 7 16.9 185°.63 2°.0/17.8 18

6 10	20 12.62	−14 49.5	1.997	2.826	14.2	20.6
6 20	20 7.74	−14 51.1	1.915	2.826	11.1	20.4
6 30	20 0.72	−15 1.7	1.855	2.826	7.6	20.1
7 10	19 52.16	−15 20.0	1.820	2.825	3.8	19.9
7 20	19 42.85	−15 43.7	1.811	2.824	2.2	19.8
7 30	19 33.79	−16 10.3	1.831	2.822	5.5	20.0
8 9	19 25.91	−16 37.3	1.876	2.821	9.2	20.2
8 19	19 19.96	−17 2.7	1.946	2.818	12.6	20.4

489698 2007 VY_{123} 7 16.9 256°.89 1°.3/17.5 16

6 10	20 11.49	−16 23.9	2.374	3.199	12.3	23.2
6 20	20 6.75	−16 30.4	2.268	3.178	9.7	23.0
6 30	20 0.07	−16 43.8	2.185	3.156	6.5	22.8
7 10	19 51.91	−17 2.9	2.127	3.134	3.1	22.5
7 20	19 42.94	−17 25.7	2.098	3.111	1.6	22.4
7 30	19 34.00	−17 49.9	2.097	3.088	4.9	22.6
8 9	19 25.95	−18 13.4	2.123	3.064	8.5	22.7
8 19	19 19.52	−18 34.7	2.174	3.040	11.7	22.9

390537 1999 RO_{108} 7 16.9 281°.39 2°.1/17.6 18

6 10	20 13.05	−15 46.8	2.005	2.836	14.1	20.9
6 20	20 8.40	−15 35.3	1.892	2.804	11.2	20.6
6 30	20 1.42	−15 31.1	1.801	2.773	7.7	20.3
7 10	19 52.57	−15 33.4	1.735	2.741	3.9	20.0
7 20	19 42.62	−15 40.9	1.696	2.708	2.3	19.9
7 30	19 32.59	−15 51.7	1.684	2.675	5.9	20.0
8 9	19 23.58	−16 4.1	1.698	2.641	10.1	20.2
8 19	19 16.50	−16 16.4	1.735	2.607	13.9	20.4

364143 2006 DE_{135} 7 16.9 229°.80 1°.3/17.4 17

6 10	20 14.54	−16 22.5	1.540	2.385	16.9	21.7
6 20	20 9.99	−16 37.1	1.456	2.378	13.2	21.5
6 30	20 2.63	−17 3.2	1.393	2.370	8.9	21.2
7 10	19 53.10	−17 38.2	1.353	2.362	4.1	20.9
7 20	19 42.42	−18 18.4	1.338	2.353	1.9	20.7
7 30	19 31.93	−18 59.2	1.350	2.344	6.7	21.0
8 9	19 22.98	−19 37.1	1.386	2.334	11.4	21.3
8 19	19 16.57	−20 9.6	1.444	2.324	15.7	21.5

191804 2004 TX_{223} 7 16.9 354.°46 6.°9/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.91	− 7 34.9	1.311	2.157	19.2	19.7
6 20	20 4.26	− 6 47.9	1.241	2.152	15.8	19.5
6 30	19 58.90	− 6 18.3	1.188	2.148	12.0	19.3
7 10	19 51.52	− 6 8.8	1.155	2.145	8.4	19.1
7 20	19 43.15	− 6 19.8	1.145	2.143	7.0	19.0
7 30	19 35.09	− 6 49.1	1.158	2.143	9.0	19.1
8 9	19 28.62	− 7 32.1	1.192	2.143	12.7	19.3
8 19	19 24.64	− 8 23.0	1.247	2.144	16.5	19.5

36529 2000 QZ_{82} 7 16.9 285.°57 2.°0/17.8 18

6 10	20 9.08	−14 41.1	2.138	2.969	13.3	19.8
6 20	20 4.97	−14 40.8	2.048	2.960	10.4	19.6
6 30	19 58.91	−14 49.2	1.981	2.952	7.1	19.4
7 10	19 51.41	−15 4.9	1.938	2.943	3.7	19.1
7 20	19 43.20	−15 26.4	1.923	2.935	2.2	19.0
7 30	19 35.15	−15 51.2	1.935	2.927	5.2	19.2
8 9	19 28.13	−16 17.1	1.973	2.918	8.7	19.4
8 19	19 22.82	−16 42.2	2.035	2.910	12.0	19.6

114644 2003 EY_{40} 7 16.9 0.°37 7.°8/14.3 18

6 10	20 1.42	−30 9.6	0.791	1.709	21.5	17.2
6 20	20 1.93	−31 30.1	0.742	1.703	16.9	16.9
6 30	19 58.31	−32 52.0	0.710	1.700	12.1	16.6
7 10	19 51.50	−34 3.5	0.695	1.699	8.3	16.4
7 20	19 43.15	−34 52.4	0.698	1.700	8.7	16.5
7 30	19 35.52	−35 11.4	0.719	1.704	12.7	16.7
8 9	19 30.63	−35 0.3	0.758	1.711	17.4	17.0
8 19	19 29.63	−34 24.2	0.811	1.719	21.8	17.3

14318 Buzinov 7 16.9 350.°34 5.°0/15.9 18

6 10	20 6.12	−29 11.7	0.859	1.767	21.2	16.5
6 20	20 5.35	−29 31.1	0.799	1.756	16.7	16.2
6 30	20 0.46	−29 49.2	0.756	1.746	11.4	15.9
7 10	19 52.39	−29 58.4	0.730	1.739	6.4	15.6
7 20	19 42.75	−29 51.8	0.723	1.733	5.7	15.5
7 30	19 33.76	−29 25.8	0.736	1.730	10.6	15.8
8 9	19 27.43	−28 42.1	0.767	1.728	16.1	16.1
8 19	19 24.98	−27 45.5	0.814	1.729	21.0	16.4

379205 2009 ST_{87} 7 16.9 294.°37 1.°3/16.4 15

6 10	20 11.93	−22 2.3	1.540	2.400	16.1	21.5
6 20	20 8.25	−22 30.5	1.447	2.378	12.6	21.2
6 30	20 1.67	−23 6.4	1.374	2.357	8.3	20.9
7 10	19 52.77	−23 45.8	1.324	2.335	3.6	20.6
7 20	19 42.54	−24 23.7	1.300	2.313	2.3	20.4
7 30	19 32.35	−24 55.2	1.300	2.292	7.2	20.7
8 9	19 23.63	−25 17.4	1.325	2.271	12.1	20.9
8 19	19 17.49	−25 29.6	1.370	2.250	16.4	21.1

168437 1998 VC_{23} 7 16.9 269.°52 0.°8/17.3 18

6 10	20 12.36	−17 55.1	2.264	3.094	12.7	21.8
6 20	20 7.58	−18 1.3	2.153	3.067	9.9	21.5
6 30	20 0.72	−18 14.0	2.065	3.040	6.7	21.3
7 10	19 52.23	−18 31.3	2.003	3.011	3.0	21.0
7 20	19 42.81	−18 51.2	1.968	2.983	1.4	20.8
7 30	19 33.37	−19 11.2	1.962	2.954	5.2	21.0
8 9	19 24.86	−19 29.5	1.983	2.924	9.0	21.2
8 19	19 18.07	−19 44.8	2.028	2.894	12.4	21.4

250380 2003 UW_{58} 7 16.9 169.°11 3.°2/17.9 17

6 10	20 13.74	−13 38.3	1.548	2.388	17.1	20.6
6 20	20 9.14	−13 22.8	1.473	2.389	13.5	20.4
6 30	20 1.90	−13 18.8	1.418	2.390	9.4	20.2
7 10	19 52.72	−13 25.6	1.387	2.390	5.1	19.9
7 20	19 42.63	−13 41.4	1.380	2.391	3.3	19.8
7 30	19 32.89	−14 3.5	1.400	2.391	6.8	20.0
8 9	19 24.69	−14 28.9	1.443	2.392	11.1	20.3
8 19	19 18.93	−14 54.8	1.509	2.392	15.0	20.5

273672 2007 DW_{113} 7 16.9 186.°67 2.°1/17.8 18

6 10	20 11.84	−14 42.6	1.732	2.571	15.6	21.4
6 20	20 7.46	−14 47.5	1.654	2.571	12.2	21.2
6 30	20 0.70	−15 3.2	1.598	2.571	8.3	20.9
7 10	19 52.21	−15 28.1	1.565	2.571	4.2	20.7
7 20	19 42.87	−15 59.4	1.557	2.570	2.3	20.6
7 30	19 33.80	−16 33.8	1.577	2.570	6.0	20.8
8 9	19 26.09	−17 8.1	1.621	2.569	10.1	21.0
8 19	19 20.55	−17 39.9	1.689	2.569	13.8	21.3

166077 2002 CX_{100} 7 16.9 163.°49 2.°8/16.0 17

6 10	20 17.71	−26 27.5	1.560	2.414	16.3	20.0
6 20	20 12.39	−26 54.3	1.489	2.417	12.6	19.7
6 30	20 4.11	−27 22.9	1.440	2.419	8.3	19.5
7 10	19 53.67	−27 47.7	1.414	2.421	4.1	19.2
7 20	19 42.25	−28 3.9	1.413	2.423	3.4	19.2
7 30	19 31.31	−28 8.3	1.439	2.425	7.4	19.5
8 9	19 22.19	−28 0.8	1.489	2.426	11.7	19.7
8 19	19 15.83	−27 43.1	1.560	2.427	15.5	19.9

186059 2001 SA_{125} 7 16.9 307.°12 3.°6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 9.16	−12 42.4	1.449	2.299	17.5	20.2
6 20	20 6.11	−12 31.0	1.355	2.276	14.0	19.9
6 30	20 0.27	−12 33.3	1.280	2.253	10.0	19.6
7 10	19 52.20	−12 49.4	1.227	2.230	5.7	19.3
7 20	19 42.83	−13 17.8	1.197	2.208	3.8	19.2
7 30	19 33.46	−13 55.4	1.192	2.186	7.4	19.3
8 9	19 25.47	−14 37.9	1.210	2.164	12.2	19.5
8 19	19 19.97	−15 21.3	1.249	2.143	16.6	19.7

115953 2003 WJ_{35} 7 16.9 340.°73 4.°0/15.9 18

6 10	20 17.43	−29 26.6	1.428	2.290	17.1	19.4
6 20	20 12.50	−29 47.4	1.358	2.289	13.3	19.1
6 30	20 4.33	−30 6.7	1.309	2.288	9.1	18.9
7 10	19 53.80	−30 18.5	1.282	2.287	5.0	18.7
7 20	19 42.20	−30 17.6	1.280	2.287	4.5	18.6
7 30	19 31.17	−30 1.6	1.302	2.286	8.3	18.8
8 9	19 22.18	−29 31.6	1.348	2.286	12.6	19.1
8 19	19 16.20	−28 51.2	1.415	2.285	16.5	19.3

97345 2000 AO_{8} 7 16.9 290.°17 2.°7/15.5 18

6 10	20 10.19	−27 5.6	2.280	3.127	12.1	19.4
6 20	20 5.96	−27 44.9	2.186	3.110	9.3	19.2
6 30	19 59.65	−28 26.1	2.116	3.093	6.3	19.0
7 10	19 51.78	−29 5.3	2.070	3.076	3.4	18.8
7 20	19 43.08	−29 38.5	2.053	3.059	3.2	18.7
7 30	19 34.47	−30 2.6	2.062	3.042	6.0	18.9
8 9	19 26.91	−30 16.1	2.098	3.026	9.3	19.0
8 19	19 21.15	−30 19.2	2.157	3.009	12.3	19.2

211005 2001 XE_{181} 7 16.9 287.°37 1.°7/17.3 18

6 10	20 14.71	−18 39.2	1.356	2.214	18.0	20.2
6 20	20 10.53	−18 13.6	1.271	2.200	14.2	19.9
6 30	20 3.19	−17 54.4	1.206	2.186	9.6	19.6
7 10	19 53.41	−17 40.3	1.162	2.171	4.5	19.3
7 20	19 42.33	−17 29.8	1.143	2.157	2.3	19.1
7 30	19 31.47	−17 21.1	1.148	2.143	7.4	19.4
8 9	19 22.37	−17 13.3	1.176	2.129	12.6	19.6
8 19	19 16.13	−17 5.6	1.225	2.115	17.2	19.9

150638 2001 BO_{80} 7 16.9 122.°06 6.°8/21.9 18

6 10	20 7.16	+ 2 56.9	2.435	3.188	14.0	20.2
6 20	20 3.18	+ 2 55.5	2.351	3.190	12.0	20.0
6 30	19 57.58	+ 2 35.7	2.287	3.191	9.8	19.9
7 10	19 50.84	+ 1 56.5	2.245	3.193	7.9	19.7
7 20	19 43.54	+ 0 58.8	2.229	3.195	6.8	19.7
7 30	19 36.40	− 0 14.8	2.240	3.196	7.3	19.7
8 9	19 30.12	− 1 39.9	2.277	3.198	9.0	19.8
8 19	19 25.25	− 3 11.5	2.340	3.199	11.2	20.0

482157 2010 TR_{67} 7 16.9 65.°24 4.°2/15.3 18

6 10	20 13.91	−32 38.0	2.152	2.995	12.8	21.0
6 20	20 8.71	−33 7.1	2.087	3.005	10.0	20.8
6 30	20 1.31	−33 32.7	2.045	3.015	7.0	20.7
7 10	19 52.39	−33 50.1	2.029	3.026	4.6	20.5
7 20	19 42.88	−33 55.9	2.039	3.036	4.5	20.6
7 30	19 33.82	−33 48.6	2.076	3.046	6.8	20.7
8 9	19 26.16	−33 28.8	2.139	3.057	9.7	20.9
8 19	19 20.58	−32 58.7	2.225	3.067	12.3	21.1

519232 2010 VQ_{182} 7 16.9 309.°50 2.°3/17.7 18

6 10	20 9.64	−15 29.4	2.096	2.929	13.4	21.1
6 20	20 5.44	−15 7.9	2.005	2.918	10.6	20.9
6 30	19 59.25	−14 53.1	1.935	2.907	7.3	20.7
7 10	19 51.59	−14 44.5	1.891	2.896	3.8	20.4
7 20	19 43.21	−14 41.2	1.873	2.885	2.4	20.3
7 30	19 35.00	−14 42.0	1.883	2.874	5.4	20.5
8 9	19 27.86	−14 45.6	1.919	2.864	9.0	20.7
8 19	19 22.48	−14 50.5	1.978	2.854	12.2	20.9

330677 2008 HX_{5} 7 16.9 23.°16 0.°8/16.7 17

6 10	20 10.15	−20 37.4	1.216	2.091	18.5	20.3
6 20	20 7.02	−21 5.2	1.159	2.098	14.3	20.0
6 30	20 0.79	−21 42.1	1.120	2.106	9.3	19.8
7 10	19 52.33	−22 23.4	1.103	2.115	3.8	19.5
7 20	19 42.90	−23 3.4	1.109	2.124	2.0	19.4
7 30	19 34.03	−23 37.0	1.139	2.134	7.4	19.8
8 9	19 27.13	−24 1.4	1.192	2.146	12.3	20.1
8 19	19 23.11	−24 15.7	1.264	2.158	16.5	20.4

324977 2008 AH_{58} 7 16.9 100.°73 0.°9/17.3 17

6 10	20 14.66	−17 5.7	1.586	2.431	16.5	21.6
6 20	20 9.70	−17 24.0	1.524	2.445	12.7	21.4
6 30	20 2.16	−17 52.1	1.482	2.459	8.4	21.2
7 10	19 52.81	−18 27.0	1.463	2.472	3.7	20.9
7 20	19 42.70	−19 4.6	1.471	2.486	1.6	20.8
7 30	19 33.06	−19 40.9	1.505	2.499	6.2	21.2
8 9	19 25.05	−20 13.0	1.564	2.511	10.5	21.4
8 19	19 19.45	−20 39.3	1.645	2.523	14.2	21.7

309137 2006 XJ_{42} 7 16.9 130°.18 5°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.68	−35 38.4	2.531	3.365	11.4	20.5
6 20	20 8.48	−36 52.3	2.466	3.373	9.1	20.3
6 30	20 1.20	−38 2.5	2.424	3.382	6.9	20.2
7 10	19 52.39	−39 3.6	2.410	3.390	5.4	20.1
7 20	19 42.87	−39 50.9	2.422	3.397	5.7	20.1
7 30	19 33.58	−40 21.7	2.462	3.405	7.5	20.3
8 9	19 25.46	−40 35.5	2.527	3.412	9.7	20.4
8 19	19 19.23	−40 34.2	2.615	3.419	11.8	20.6

63166 2000 YW_{17} 7 16.9 255°.40 0°.8/16.4 18 R

6 10	20 9.59	−20 49.8	2.345	3.183	12.0	19.5
6 20	20 5.32	−21 32.5	2.254	3.175	9.2	19.3
6 30	19 59.15	−22 21.3	2.187	3.166	6.0	19.1
7 10	19 51.56	−23 13.1	2.146	3.157	2.5	18.8
7 20	19 43.23	−24 4.1	2.134	3.147	1.6	18.7
7 30	19 34.99	−24 50.8	2.149	3.138	5.1	19.0
8 9	19 27.72	−25 30.6	2.192	3.129	8.5	19.2
8 19	19 22.09	−26 2.3	2.258	3.119	11.5	19.3

338599 2003 SX_{168} 7 16.9 289°.14 2°.3/18.2 18

6 10	20 9.44	−11 55.5	1.828	2.661	15.1	20.4
6 20	20 5.77	−12 27.1	1.728	2.640	12.1	20.1
6 30	19 59.78	−13 14.3	1.649	2.619	8.4	19.9
7 10	19 51.94	−14 15.5	1.594	2.599	4.4	19.6
7 20	19 43.02	−15 27.2	1.565	2.578	2.5	19.4
7 30	19 34.08	−16 44.3	1.564	2.557	6.0	19.6
8 9	19 26.21	−18 1.5	1.588	2.536	10.2	19.8
8 19	19 20.33	−19 14.2	1.635	2.515	14.1	20.0

23898 Takir 7 16.9 234°.87 0°.4/16.7 18

6 10	20 9.24	−21 0.0	2.741	3.573	10.7	18.5
6 20	20 4.73	−21 20.0	2.647	3.564	8.2	18.3
6 30	19 58.59	−21 43.9	2.578	3.555	5.3	18.1
7 10	19 51.28	−22 9.6	2.535	3.545	2.2	17.9
7 20	19 43.37	−22 34.8	2.521	3.535	1.1	17.8
7 30	19 35.58	−22 57.2	2.535	3.525	4.3	18.0
8 9	19 28.63	−23 15.6	2.577	3.515	7.4	18.2
8 19	19 23.07	−23 29.0	2.644	3.504	10.1	18.4

188714 2005 TN_{165} 7 16.9 266°.32 2°.1/15.9 18

6 10	20 11.15	−26 8.8	2.272	3.116	12.2	21.1
6 20	20 6.56	−26 33.7	2.188	3.110	9.4	20.9
6 30	19 59.95	−26 59.9	2.127	3.105	6.2	20.7
7 10	19 51.88	−27 24.0	2.091	3.099	3.0	20.5
7 20	19 43.11	−27 42.9	2.083	3.093	2.6	20.4
7 30	19 34.56	−27 54.1	2.103	3.087	5.6	20.6
8 9	19 27.12	−27 56.9	2.149	3.082	8.9	20.8
8 19	19 21.49	−27 51.5	2.219	3.076	11.8	21.0

165022 2000 CN_{130} 7 16.9 253°.04 1°.3/17.6 18

6 10	20 10.56	−15 48.5	2.084	2.916	13.5	21.1
6 20	20 6.24	−16 4.1	1.991	2.906	10.6	20.9
6 30	19 59.83	−16 28.9	1.921	2.895	7.1	20.6
7 10	19 51.88	−17 0.8	1.876	2.883	3.4	20.4
7 20	19 43.10	−17 37.3	1.858	2.872	1.7	20.2
7 30	19 34.44	−18 15.3	1.868	2.860	5.3	20.5
8 9	19 26.84	−18 51.8	1.904	2.848	9.1	20.7
8 19	19 21.04	−19 24.8	1.963	2.836	12.5	20.9

369557 2011 AG_{73} 7 16.9 282°.00 0°.6/16.8 18

6 10	20 16.54	−23 22.9	1.564	2.417	16.3	21.2
6 20	20 11.73	−23 10.4	1.469	2.396	12.7	20.9
6 30	20 3.92	−22 59.7	1.394	2.374	8.5	20.6
7 10	19 53.73	−22 47.9	1.342	2.353	3.6	20.2
7 20	19 42.25	−22 32.2	1.316	2.331	1.8	20.1
7 30	19 30.91	−22 11.0	1.316	2.309	7.0	20.3
8 9	19 21.17	−21 44.3	1.340	2.286	11.9	20.6
8 19	19 14.12	−21 13.7	1.386	2.264	16.3	20.8

95655 2002 GL_{108} 7 16.9 354°.55 3°.1/18.8 18

6 10	20 7.16	− 9 56.2	2.108	2.930	13.8	19.4
6 20	20 3.49	−10 12.1	2.026	2.928	11.0	19.3
6 30	19 57.95	−10 41.1	1.965	2.927	7.8	19.1
7 10	19 51.06	−11 22.1	1.928	2.926	4.6	18.9
7 20	19 43.50	−12 12.8	1.918	2.926	3.2	18.8
7 30	19 36.12	−13 9.8	1.935	2.925	5.4	18.9
8 9	19 29.74	−14 9.1	1.979	2.925	8.7	19.1
8 19	19 25.02	−15 7.2	2.046	2.925	11.8	19.3

7251 Kuwabara 7 16.9 200°.61 2°.1/17.8 18

6 10	20 12.21	−14 39.0	1.926	2.757	14.5	18.1
6 20	20 7.56	−14 40.6	1.843	2.755	11.4	17.9
6 30	20 0.70	−14 51.8	1.782	2.753	7.8	17.7
7 10	19 52.23	−15 11.1	1.745	2.751	4.0	17.5
7 20	19 42.98	−15 36.3	1.736	2.748	2.3	17.4
7 30	19 33.96	−16 4.8	1.753	2.745	5.6	17.6
8 9	19 26.15	−16 33.8	1.796	2.742	9.5	17.8
8 19	19 20.32	−17 1.3	1.863	2.738	12.9	18.0

311369 2005 SF_{147} 7 16.9 216°.46 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 11.16	−26 9.0	2.463	3.303	11.5	21.9
6 20	20 6.42	−26 38.8	2.379	3.300	8.8	21.7
6 30	19 59.80	−27 9.9	2.319	3.296	5.8	21.5
7 10	19 51.82	−27 39.0	2.284	3.292	2.9	21.3
7 20	19 43.19	−28 3.1	2.278	3.287	2.5	21.2
7 30	19 34.76	−28 19.7	2.300	3.283	5.3	21.4
8 9	19 27.36	−28 27.9	2.349	3.278	8.4	21.6
8 19	19 21.62	−28 27.9	2.421	3.273	11.1	21.8

287361 2002 UY_{48} 7 16.9 297°.26 3°.8/15.5 18

6 10	20 13.80	−29 54.3	1.874	2.726	14.1	20.4
6 20	20 9.35	−30 22.3	1.776	2.700	11.1	20.2
6 30	20 2.22	−30 49.8	1.699	2.675	7.7	19.9
7 10	19 53.00	−31 11.8	1.646	2.649	4.5	19.7
7 20	19 42.63	−31 23.4	1.620	2.624	4.3	19.6
7 30	19 32.35	−31 21.5	1.620	2.599	7.5	19.8
8 9	19 23.44	−31 5.6	1.644	2.573	11.3	19.9
8 19	19 16.88	−30 37.4	1.690	2.548	14.9	20.1

342454 2008 UG_{111} 7 16.9 134°.73 1°.2/17.4 17

6 10	20 13.00	−17 41.8	1.991	2.826	14.0	21.2
6 20	20 8.01	−17 38.2	1.915	2.832	10.8	21.1
6 30	20 0.90	−17 41.0	1.862	2.837	7.2	20.8
7 10	19 52.29	−17 48.5	1.834	2.842	3.3	20.6
7 20	19 43.02	−17 58.7	1.833	2.847	1.6	20.5
7 30	19 34.08	−18 9.6	1.860	2.852	5.3	20.8
8 9	19 26.40	−18 19.6	1.913	2.857	9.1	21.0
8 19	19 20.67	−18 27.6	1.989	2.861	12.4	21.2

257223 2009 CB_{62} 7 16.9 79°.54 1°.4/17.5 17

6 10	20 14.66	−16 31.7	1.420	2.271	17.7	20.6
6 20	20 9.93	−16 41.6	1.362	2.287	13.7	20.4
6 30	20 2.43	−17 2.6	1.324	2.302	9.1	20.1
7 10	19 52.98	−17 31.6	1.308	2.317	4.2	19.9
7 20	19 42.74	−18 4.7	1.317	2.332	1.9	19.8
7 30	19 33.06	−18 38.0	1.352	2.347	6.6	20.1
8 9	19 25.18	−19 8.1	1.411	2.361	11.1	20.4
8 19	19 19.91	−19 33.4	1.492	2.376	15.0	20.7

181523 2006 UW_{103} 7 16.9 141°.79 1°.4/16.2 18

6 10	20 11.20	−23 37.9	2.348	3.187	12.0	21.1
6 20	20 6.45	−24 9.8	2.272	3.192	9.2	20.9
6 30	19 59.80	−24 44.7	2.219	3.197	6.0	20.7
7 10	19 51.82	−25 19.4	2.193	3.202	2.7	20.5
7 20	19 43.23	−25 50.7	2.194	3.206	2.0	20.5
7 30	19 34.88	−26 15.8	2.224	3.210	5.1	20.7
8 9	19 27.60	−26 33.4	2.280	3.214	8.3	20.9
8 19	19 22.04	−26 43.4	2.361	3.218	11.2	21.1

92260 2000 BX_{4} 7 16.9 244°.09 5°.1/13.8 18

6 10	20 14.07	−37 32.5	2.859	3.684	10.4	20.8
6 20	20 8.69	−38 19.3	2.768	3.669	8.5	20.6
6 30	20 1.32	−39 1.7	2.702	3.654	6.5	20.5
7 10	19 52.50	−39 35.1	2.662	3.638	5.2	20.4
7 20	19 42.93	−39 55.9	2.649	3.623	5.4	20.4
7 30	19 33.50	−40 1.9	2.664	3.606	7.0	20.4
8 9	19 25.09	−39 53.0	2.704	3.589	9.1	20.5
8 19	19 18.39	−39 31.0	2.768	3.572	11.2	20.7

276300 2002 TP_{118} 7 16.9 348°.80 3°.3/16.2 18

6 10	20 10.69	−28 32.4	1.354	2.229	17.0	19.6
6 20	20 7.48	−28 34.6	1.281	2.219	13.3	19.3
6 30	20 1.18	−28 35.0	1.227	2.210	8.9	19.1
7 10	19 52.58	−28 29.0	1.195	2.203	4.6	18.8
7 20	19 42.90	−28 12.7	1.186	2.197	3.8	18.7
7 30	19 33.70	−27 44.5	1.202	2.192	7.9	19.0
8 9	19 26.40	−27 5.5	1.240	2.188	12.5	19.2
8 19	19 21.96	−26 18.5	1.298	2.186	16.6	19.5

217664 1998 SQ_{99} 7 16.9 276°.73 7°.6/21.0 18

6 10	20 6.93	+ 2 51.8	2.484	3.236	13.8	20.6
6 20	20 3.08	+ 3 29.3	2.391	3.225	12.0	20.5
6 30	19 57.59	+ 3 51.1	2.317	3.214	10.0	20.3
7 10	19 50.92	+ 3 55.0	2.266	3.203	8.4	20.2
7 20	19 43.64	+ 3 40.3	2.240	3.192	7.6	20.1
7 30	19 36.44	+ 3 7.5	2.239	3.181	8.1	20.1
8 9	19 30.04	+ 2 19.5	2.264	3.170	9.7	20.2
8 19	19 25.02	+ 1 20.2	2.311	3.159	11.8	20.3

382517 2001 SY_{127} 7 16.9 337°.46 1°.4/16.6 15

6 10	20 8.18	−23 14.7	1.177	2.061	18.5	20.5
6 20	20 5.97	−23 23.0	1.101	2.045	14.4	20.2
6 30	20 0.46	−23 36.9	1.043	2.031	9.5	19.9
7 10	19 52.39	−23 52.3	1.006	2.017	4.1	19.5
7 20	19 42.96	−24 4.6	0.991	2.005	2.5	19.4
7 30	19 33.83	−24 9.8	0.999	1.994	8.0	19.7
8 9	19 26.62	−24 6.2	1.027	1.985	13.4	19.9
8 19	19 22.49	−23 54.2	1.075	1.977	18.1	20.2

211064 2002 CM_{160} 7 16.9 194°.88 2°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.46	−23 50.9	1.669	2.518	15.6	21.3
6 20	20 11.41	−24 43.0	1.591	2.517	12.0	21.0
6 30	20 3.55	−25 41.3	1.535	2.515	7.9	20.8
7 10	19 53.56	−26 39.8	1.503	2.512	3.7	20.5
7 20	19 42.48	−27 32.4	1.498	2.509	3.1	20.5
7 30	19 31.65	−28 14.1	1.520	2.505	7.2	20.7
8 9	19 22.40	−28 42.4	1.566	2.501	11.4	21.0
8 19	19 15.70	−28 57.6	1.635	2.496	15.1	21.2

204467 2005 AH_{24} 7 16.9 125°.94 1°.2/17.4 18

6 10	20 13.95	−18 10.9	2.060	2.892	13.7	20.6
6 20	20 8.63	−17 56.1	1.985	2.900	10.6	20.4
6 30	20 1.24	−17 46.4	1.934	2.908	7.0	20.2
7 10	19 52.43	−17 40.7	1.907	2.915	3.2	19.9
7 20	19 43.03	−17 37.3	1.908	2.922	1.6	19.8
7 30	19 33.98	−17 35.0	1.937	2.929	5.2	20.1
8 9	19 26.19	−17 32.8	1.993	2.936	8.8	20.3
8 19	19 20.32	−17 30.0	2.073	2.943	12.0	20.6

277602 2006 AN_{48} 7 16.9 311°.01 4°.6/19.2 18

6 10	20 9.15	− 7 49.1	1.715	2.539	16.4	20.5
6 20	20 5.49	− 7 51.9	1.633	2.534	13.3	20.3
6 30	19 59.52	− 8 11.6	1.570	2.529	9.7	20.0
7 10	19 51.83	− 8 48.2	1.531	2.524	6.3	19.8
7 20	19 43.27	− 9 39.5	1.516	2.520	4.6	19.7
7 30	19 34.88	−10 41.8	1.527	2.515	6.8	19.8
8 9	19 27.73	−11 49.8	1.563	2.511	10.4	20.0
8 19	19 22.63	−12 58.6	1.622	2.507	14.0	20.2

301880 1997 HT_{15} 7 16.9 165°.94 7°.6/11.8 18

6 10	20 18.96	−47 13.8	2.887	3.684	11.1	21.6
6 20	20 12.67	−48 24.3	2.825	3.689	9.5	21.5
6 30	20 4.01	−49 25.0	2.786	3.692	8.2	21.4
7 10	19 53.65	−50 10.2	2.773	3.696	7.6	21.4
7 20	19 42.49	−50 35.9	2.785	3.699	7.9	21.4
7 30	19 31.63	−50 40.3	2.822	3.702	9.0	21.5
8 9	19 22.15	−50 24.4	2.883	3.704	10.4	21.6
8 19	19 14.81	−49 51.5	2.965	3.706	11.9	21.7

255377 2005 WO_{119} 7 16.9 238°.88 2°.3/15.7 18

6 10	20 10.97	−26 52.5	2.568	3.407	11.1	21.6
6 20	20 6.28	−27 27.0	2.479	3.398	8.6	21.4
6 30	19 59.74	−28 2.8	2.413	3.389	5.7	21.2
7 10	19 51.85	−28 36.4	2.374	3.379	3.0	21.0
7 20	19 43.28	−29 4.6	2.362	3.370	2.7	21.0
7 30	19 34.85	−29 24.8	2.379	3.360	5.4	21.2
8 9	19 27.38	−29 36.0	2.423	3.349	8.3	21.3
8 19	19 21.51	−29 38.3	2.491	3.339	11.0	21.5

247095 2000 SK_{262} 7 16.9 334°.08 1°.2/17.4 18

6 10	20 7.12	−17 5.5	1.649	2.505	15.4	20.1
6 20	20 4.16	−17 14.8	1.563	2.491	12.1	19.9
6 30	19 58.78	−17 33.8	1.497	2.477	8.1	19.6
7 10	19 51.57	−18 0.7	1.454	2.464	3.7	19.3
7 20	19 43.38	−18 32.4	1.436	2.451	1.7	19.1
7 30	19 35.36	−19 5.5	1.444	2.439	6.1	19.4
8 9	19 28.63	−19 36.6	1.476	2.429	10.5	19.6
8 19	19 24.07	−20 3.5	1.529	2.419	14.4	19.9

472118 2014 BW_{13} 7 16.9 209°.56 2°.7/15.9 17

6 10	20 14.82	−27 38.8	2.040	2.884	13.4	21.8
6 20	20 9.63	−28 3.5	1.959	2.881	10.3	21.6
6 30	20 2.10	−28 28.5	1.901	2.877	6.9	21.4
7 10	19 52.87	−28 49.6	1.868	2.874	3.6	21.2
7 20	19 42.84	−29 3.0	1.862	2.870	3.2	21.2
7 30	19 33.11	−29 6.4	1.884	2.866	6.3	21.3
8 9	19 24.73	−28 59.3	1.931	2.862	9.8	21.6
8 19	19 18.46	−28 43.1	2.002	2.857	13.0	21.7

63660 2001 QV_{119} 7 16.9 240°.34 0°.5/16.7 18 R

6 10	20 10.77	−20 58.3	2.130	2.972	13.0	18.6
6 20	20 6.36	−21 23.3	2.047	2.968	10.0	18.4
6 30	19 59.90	−21 53.8	1.986	2.965	6.5	18.1
7 10	19 51.94	−22 26.6	1.951	2.961	2.7	17.9
7 20	19 43.25	−22 58.6	1.943	2.958	1.4	17.8
7 30	19 34.76	−23 26.8	1.963	2.954	5.3	18.1
8 9	19 27.39	−23 49.2	2.009	2.950	8.9	18.3
8 19	19 21.85	−24 5.0	2.079	2.946	12.1	18.5

36769 2000 RT_{94} 7 16.9 274°.58 3°.3/15.6 18

6 10	20 14.03	−27 35.6	1.769	2.622	14.7	19.0
6 20	20 9.53	−28 12.1	1.683	2.610	11.4	18.7
6 30	20 2.33	−28 50.4	1.618	2.597	7.7	18.5
7 10	19 53.07	−29 25.3	1.578	2.584	4.2	18.2
7 20	19 42.74	−29 51.7	1.564	2.571	3.9	18.2
7 30	19 32.60	−30 5.7	1.576	2.558	7.3	18.4
8 9	19 23.94	−30 6.5	1.613	2.545	11.3	18.6
8 19	19 17.69	−29 55.2	1.671	2.532	14.9	18.8

218789 2005 YK_{166} 7 16.9 215°.92 1°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.33	−15 33.8	2.523	3.349	11.7	20.4
6 20	20 4.13	−15 54.2	2.436	3.347	9.1	20.3
6 30	19 58.27	−16 22.3	2.372	3.344	6.1	20.1
7 10	19 51.22	−16 56.3	2.335	3.342	2.9	19.9
7 20	19 43.58	−17 34.0	2.325	3.339	1.4	19.7
7 30	19 36.09	−18 12.6	2.344	3.336	4.4	20.0
8 9	19 29.47	−18 49.9	2.390	3.333	7.6	20.2
8 19	19 24.30	−19 24.0	2.461	3.330	10.4	20.3

249176 2008 CB_{53} 7 16.9 342°.01 1°.3/16.4 18

6 10	20 5.27	−20 49.3	1.463	2.335	16.1	19.6
6 20	20 3.13	−21 32.3	1.380	2.319	12.5	19.4
6 30	19 58.32	−22 25.4	1.318	2.304	8.2	19.1
7 10	19 51.44	−23 24.3	1.279	2.290	3.5	18.8
7 20	19 43.44	−24 23.3	1.264	2.278	2.2	18.7
7 30	19 35.59	−25 16.5	1.273	2.267	7.0	18.9
8 9	19 29.20	−25 59.6	1.305	2.257	11.7	19.2
8 19	19 25.25	−26 30.8	1.358	2.248	15.9	19.4

312734 2010 SH_{27} 7 16.9 279°.45 4°.7/19.2 18

6 10	20 7.97	− 6 44.8	2.313	3.115	13.3	20.8
6 20	20 3.98	− 6 25.2	2.221	3.106	10.9	20.6
6 30	19 58.24	− 6 17.7	2.151	3.097	8.2	20.4
7 10	19 51.23	− 6 22.7	2.105	3.089	5.8	20.2
7 20	19 43.57	− 6 39.9	2.085	3.080	4.7	20.1
7 30	19 36.04	− 7 7.9	2.093	3.071	6.1	20.2
8 9	19 29.39	− 7 43.8	2.126	3.062	8.7	20.4
8 19	19 24.27	− 8 24.8	2.184	3.053	11.5	20.5

249507 2010 AD_{54} 7 16.9 235°.82 0°.6/17.2 18

6 10	20 15.52	−19 55.8	2.171	3.000	13.2	21.3
6 20	20 10.00	−19 45.4	2.073	2.987	10.2	21.1
6 30	20 2.29	−19 38.6	1.998	2.973	6.8	20.9
7 10	19 52.97	−19 33.9	1.949	2.958	3.0	20.6
7 20	19 42.82	−19 29.4	1.928	2.943	1.3	20.5
7 30	19 32.82	−19 23.8	1.935	2.927	5.3	20.7
8 9	19 23.96	−19 16.4	1.970	2.910	9.1	20.9
8 19	19 17.00	−19 7.1	2.029	2.893	12.5	21.1

225877 2001 YG_{52} 7 16.9 177°.44 0°.1/17.0 17

6 10	20 14.49	−19 55.2	2.254	3.084	12.7	21.4
6 20	20 9.01	−20 6.7	2.172	3.086	9.8	21.2
6 30	20 1.52	−20 23.1	2.112	3.088	6.4	21.0
7 10	19 52.60	−20 41.9	2.079	3.089	2.7	20.7
7 20	19 43.01	−21 0.5	2.074	3.089	1.2	20.6
7 30	19 33.67	−21 16.9	2.098	3.089	5.0	20.9
8 9	19 25.46	−21 29.4	2.149	3.088	8.5	21.1
8 19	19 19.06	−21 37.6	2.224	3.086	11.6	21.3

398611 2011 WK_{149} 7 16.9 243°.83 3°.1/15.7 18

6 10	20 13.35	−29 28.7	2.221	3.064	12.5	21.6
6 20	20 8.34	−29 50.8	2.141	3.061	9.7	21.4
6 30	20 1.17	−30 11.6	2.083	3.058	6.6	21.2
7 10	19 52.48	−30 27.2	2.051	3.055	3.7	21.0
7 20	19 43.08	−30 34.4	2.047	3.051	3.5	21.0
7 30	19 33.98	−30 31.3	2.069	3.048	6.2	21.2
8 9	19 26.12	−30 17.8	2.118	3.045	9.3	21.4
8 19	19 20.21	−29 55.2	2.191	3.041	12.2	21.6

127985 2003 HM_{43} 7 16.9 98°.86 3°.8/15.4 17

6 10	20 15.57	−28 25.9	1.752	2.604	14.9	20.3
6 20	20 10.48	−29 15.7	1.690	2.615	11.5	20.1
6 30	20 2.77	−30 6.0	1.649	2.626	7.8	19.9
7 10	19 53.18	−30 50.8	1.633	2.637	4.5	19.8
7 20	19 42.79	−31 24.8	1.643	2.647	4.3	19.8
7 30	19 32.87	−31 44.6	1.680	2.658	7.4	20.0
8 9	19 24.58	−31 49.8	1.741	2.668	10.9	20.2
8 19	19 18.75	−31 42.1	1.825	2.678	14.1	20.4

235187 2003 SM_{100} 7 16.9 200°.85 1°.6/17.7 18

6 10	20 11.25	−15 36.1	1.883	2.720	14.6	20.8
6 20	20 6.91	−15 46.1	1.803	2.719	11.4	20.6
6 30	20 0.35	−16 5.5	1.744	2.718	7.7	20.3
7 10	19 52.17	−16 32.6	1.710	2.718	3.7	20.1
7 20	19 43.22	−17 4.7	1.703	2.717	1.9	20.0
7 30	19 34.51	−17 38.5	1.723	2.716	5.6	20.2
8 9	19 27.03	−18 11.2	1.768	2.715	9.5	20.4
8 19	19 21.54	−18 40.8	1.836	2.714	13.0	20.6

131210 2001 DV_{48} 7 16.9 75°.64 1°.9/16.0 17

6 10	20 14.35	−23 6.1	1.800	2.648	14.7	20.1
6 20	20 9.25	−24 0.0	1.747	2.672	11.2	19.9
6 30	20 1.79	−24 58.4	1.716	2.696	7.2	19.8
7 10	19 52.72	−25 56.0	1.711	2.720	3.3	19.6
7 20	19 43.02	−26 47.6	1.733	2.744	2.6	19.6
7 30	19 33.82	−27 29.3	1.781	2.768	6.2	19.8
8 9	19 26.14	−27 59.4	1.856	2.791	9.9	20.1
8 19	19 20.69	−28 18.0	1.953	2.814	13.0	20.4

204484 2005 AB_{76} 7 16.9 256.°72 4.°1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.19	−10 20.7	2.265	3.072	13.4	21.1
6 20	20 8.16	− 9 48.7	2.158	3.050	10.9	20.9
6 30	20 1.11	− 9 25.2	2.072	3.027	8.0	20.6
7 10	19 52.52	− 9 10.9	2.012	3.004	5.2	20.4
7 20	19 43.07	− 9 6.0	1.979	2.980	4.1	20.3
7 30	19 33.64	− 9 9.7	1.974	2.955	6.1	20.4
8 9	19 25.13	− 9 20.5	1.995	2.930	9.3	20.6
8 19	19 18.28	− 9 36.4	2.041	2.905	12.5	20.7

48025 2001 DS_{17} 7 16.9 350.°41 7.°7/14.5 18

6 10	20 10.56	−33 18.7	1.095	1.983	19.2	17.6
6 20	20 8.36	−34 22.3	1.033	1.975	15.4	17.3
6 30	20 2.29	−35 23.0	0.989	1.968	11.3	17.0
7 10	19 53.26	−36 10.8	0.966	1.963	8.2	16.9
7 20	19 42.76	−36 36.3	0.963	1.959	8.4	16.9
7 30	19 32.82	−36 34.5	0.981	1.956	11.7	17.0
8 9	19 25.34	−36 6.7	1.019	1.955	15.9	17.3
8 19	19 21.48	−35 18.0	1.075	1.955	19.9	17.5

324922 2007 VS_{326} 7 16.9 181.°24 1.°6/16.4 17

6 10	20 17.20	−23 48.8	1.774	2.619	15.0	22.1
6 20	20 11.71	−24 12.6	1.697	2.620	11.6	21.8
6 30	20 3.61	−24 40.0	1.642	2.620	7.6	21.6
7 10	19 53.58	−25 6.8	1.611	2.620	3.4	21.4
7 20	19 42.65	−25 28.8	1.607	2.620	2.3	21.3
7 30	19 32.05	−25 42.8	1.630	2.619	6.4	21.5
8 9	19 22.99	−25 47.9	1.679	2.617	10.5	21.8
8 19	19 16.34	−25 44.5	1.751	2.615	14.1	22.0

301495 2009 EK_{15} 7 16.9 148.°04 3.°8/19.0 16

6 10	20 9.38	− 8 34.9	2.133	2.944	14.0	21.7
6 20	20 5.17	− 8 39.5	2.052	2.946	11.3	21.5
6 30	19 59.07	− 8 57.3	1.992	2.949	8.2	21.3
7 10	19 51.62	− 9 27.7	1.957	2.951	5.2	21.1
7 20	19 43.53	−10 8.9	1.949	2.952	3.8	21.1
7 30	19 35.63	−10 58.0	1.968	2.954	5.7	21.2
8 9	19 28.76	−11 51.3	2.013	2.956	8.8	21.4
8 19	19 23.57	−12 45.3	2.083	2.958	11.8	21.6

335769 2007 ET_{151} 7 16.9 351.°87 2.°0/17.9 17

6 10	20 9.60	−14 15.7	1.486	2.338	17.0	21.0
6 20	20 6.21	−14 33.8	1.412	2.336	13.4	20.8
6 30	20 0.20	−15 6.1	1.357	2.333	9.1	20.5
7 10	19 52.22	−15 50.2	1.325	2.332	4.5	20.2
7 20	19 43.26	−16 42.2	1.317	2.331	2.3	20.1
7 30	19 34.56	−17 37.2	1.334	2.330	6.5	20.4
8 9	19 27.36	−18 30.3	1.376	2.330	11.0	20.6
8 19	19 22.56	−19 18.1	1.439	2.330	15.1	20.9

511888 2015 GK_{51} 7 16.9 226.°01 12.°8/21.5 18

6 10	20 12.04	+12 11.5	2.115	2.811	17.4	20.9
6 20	20 7.35	+13 53.0	2.035	2.805	16.0	20.7
6 30	20 0.60	+15 14.1	1.973	2.799	14.5	20.6
7 10	19 52.32	+16 9.3	1.930	2.792	13.3	20.5
7 20	19 43.21	+16 34.8	1.909	2.786	12.8	20.5
7 30	19 34.20	+16 29.4	1.910	2.779	13.1	20.5
8 9	19 26.21	+15 55.6	1.932	2.771	14.1	20.5
8 19	19 19.98	+14 58.3	1.973	2.764	15.6	20.6

462546 2009 BV_{165} 7 16.9 107.°68 0.°4/17.1 16

6 10	20 17.52	−18 51.0	1.540	2.386	16.9	22.8
6 20	20 11.98	−19 3.5	1.481	2.403	13.0	22.6
6 30	20 3.73	−19 23.9	1.441	2.419	8.5	22.4
7 10	19 53.60	−19 49.0	1.426	2.436	3.6	22.1
7 20	19 42.71	−20 14.7	1.437	2.452	1.5	22.0
7 30	19 32.40	−20 37.8	1.474	2.467	6.3	22.4
8 9	19 23.86	−20 56.1	1.536	2.482	10.7	22.7
8 19	19 17.89	−21 8.9	1.620	2.496	14.5	22.9

117449 2005 AB_{47} 7 16.9 262.°58 1.°7/16.2 18

6 10	20 12.57	−23 39.7	1.938	2.785	13.8	20.4
6 20	20 8.12	−24 13.0	1.849	2.774	10.7	20.1
6 30	20 1.29	−24 50.9	1.782	2.762	7.0	19.9
7 10	19 52.65	−25 29.5	1.740	2.749	3.2	19.6
7 20	19 43.07	−26 4.4	1.725	2.737	2.4	19.5
7 30	19 33.62	−26 32.0	1.737	2.725	6.2	19.8
8 9	19 25.42	−26 50.3	1.774	2.712	10.1	20.0
8 19	19 19.31	−26 59.2	1.835	2.699	13.6	20.2

513060 2017 WQ_{17} 7 16.9 248.°93 1.°2/16.5 18

6 10	20 14.48	−22 29.9	1.855	2.700	14.4	21.8
6 20	20 9.71	−22 56.0	1.763	2.686	11.2	21.6
6 30	20 2.40	−23 27.5	1.693	2.672	7.4	21.3
7 10	19 53.15	−24 0.6	1.647	2.657	3.2	21.0
7 20	19 42.85	−24 31.2	1.628	2.642	2.0	20.9
7 30	19 32.66	−24 55.6	1.637	2.626	6.3	21.1
8 9	19 23.78	−25 11.8	1.670	2.610	10.5	21.4
8 19	19 17.12	−25 19.5	1.727	2.594	14.2	21.6

113083 2002 RC_{65} 7 16.9 295.°22 5.°3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 8.56	− 6 36.6	1.922	2.734	15.3	19.2
6 20	20 4.96	− 6 22.4	1.821	2.712	12.6	19.0
6 30	19 59.22	− 6 23.1	1.740	2.690	9.5	18.8
7 10	19 51.80	− 6 39.8	1.681	2.668	6.6	18.6
7 20	19 43.43	− 7 12.1	1.649	2.646	5.3	18.4
7 30	19 35.06	− 7 57.8	1.642	2.624	7.1	18.5
8 9	19 27.69	− 8 53.1	1.660	2.602	10.3	18.6
8 19	19 22.15	− 9 53.7	1.701	2.580	13.7	18.8

266671 2008 YZ_{111} 7 16.9 102.°82 3.°1/18.2 17

6 10	20 12.77	−12 42.4	2.042	2.863	14.2	20.7
6 20	20 7.69	−12 22.3	1.973	2.876	11.2	20.6
6 30	20 0.65	−12 11.5	1.926	2.890	7.8	20.4
7 10	19 52.25	−12 9.4	1.903	2.903	4.5	20.2
7 20	19 43.30	−12 15.1	1.908	2.916	3.2	20.1
7 30	19 34.71	−12 26.8	1.940	2.929	5.6	20.3
8 9	19 27.34	−12 42.4	1.999	2.941	8.9	20.5
8 19	19 21.81	−12 59.9	2.081	2.953	11.9	20.8

70461 1999 TG_{27} 7 16.9 270.°23 5.°8/14.2 18

6 10	20 15.64	−34 16.3	1.940	2.785	13.9	19.7
6 20	20 10.82	−35 14.8	1.853	2.770	11.1	19.4
6 30	20 3.24	−36 11.0	1.788	2.753	8.2	19.2
7 10	19 53.54	−36 58.2	1.748	2.737	6.1	19.1
7 20	19 42.68	−37 30.2	1.733	2.721	6.3	19.1
7 30	19 31.99	−37 43.1	1.745	2.704	8.8	19.2
8 9	19 22.76	−37 36.6	1.780	2.687	11.9	19.3
8 19	19 15.98	−37 13.2	1.838	2.670	14.9	19.5

480520 2015 MP_{8} 7 16.9 323.°68 3.°4/17.9 18

6 10	20 10.88	−13 51.3	1.922	2.754	14.5	21.1
6 20	20 6.57	−13 12.8	1.836	2.747	11.5	20.9
6 30	20 0.12	−12 41.7	1.772	2.739	8.1	20.7
7 10	19 52.11	−12 18.4	1.731	2.732	4.8	20.5
7 20	19 43.34	−12 2.9	1.717	2.725	3.5	20.4
7 30	19 34.80	−11 54.5	1.729	2.718	6.1	20.5
8 9	19 27.44	−11 51.9	1.767	2.712	9.7	20.7
8 19	19 22.00	−11 53.6	1.828	2.706	13.0	20.9

279773 1999 TV_{60} 7 16.9 8.°68 3.°2/18.2 17

6 10	20 9.91	−13 18.8	1.547	2.393	16.8	20.8
6 20	20 6.26	−13 7.0	1.475	2.394	13.3	20.6
6 30	20 0.11	−13 7.4	1.422	2.395	9.2	20.4
7 10	19 52.15	−13 19.3	1.393	2.396	5.1	20.1
7 20	19 43.33	−13 40.7	1.388	2.398	3.3	20.0
7 30	19 34.84	−14 8.7	1.408	2.401	6.6	20.2
8 9	19 27.82	−14 39.8	1.452	2.404	10.7	20.5
8 19	19 23.08	−15 11.0	1.518	2.407	14.5	20.7

191010 2002 AO_{10} 7 16.9 114.°54 0.°2/16.9 18

6 10	20 12.79	−19 35.2	1.772	2.618	15.0	20.4
6 20	20 8.24	−20 1.9	1.700	2.623	11.5	20.2
6 30	20 1.29	−20 36.1	1.649	2.628	7.5	19.9
7 10	19 52.61	−21 14.4	1.623	2.633	3.1	19.7
7 20	19 43.13	−21 52.6	1.623	2.638	1.4	19.5
7 30	19 33.98	−22 27.2	1.650	2.642	5.9	19.9
8 9	19 26.22	−22 55.5	1.702	2.647	10.0	20.1
8 19	19 20.66	−23 16.5	1.777	2.651	13.5	20.3

427981 2005 YJ_{290} 7 16.9 287.°31 2.°7/18.2 17

6 10	20 10.12	−12 26.5	1.702	2.539	15.9	21.4
6 20	20 6.39	−12 40.4	1.614	2.528	12.6	21.2
6 30	20 0.25	−13 8.4	1.547	2.517	8.8	20.9
7 10	19 52.25	−13 49.1	1.503	2.506	4.7	20.7
7 20	19 43.26	−14 39.6	1.484	2.496	2.8	20.5
7 30	19 34.39	−15 35.7	1.492	2.485	6.2	20.7
8 9	19 26.77	−16 32.8	1.524	2.474	10.4	20.9
8 19	19 21.28	−17 27.1	1.579	2.464	14.3	21.2

475262 2005 WR_{90} 7 16.9 194.°96 4.°7/19.4 18

6 10	20 9.31	− 4 24.7	3.003	3.777	11.2	21.6
6 20	20 4.55	− 3 51.5	2.912	3.774	9.3	21.4
6 30	19 58.41	− 3 28.0	2.843	3.771	7.3	21.3
7 10	19 51.30	− 3 15.1	2.799	3.768	5.5	21.2
7 20	19 43.72	− 3 13.0	2.784	3.764	4.7	21.1
7 30	19 36.27	− 3 21.1	2.796	3.760	5.6	21.2
8 9	19 29.53	− 3 37.7	2.836	3.755	7.5	21.3
8 19	19 23.98	− 4 0.9	2.901	3.750	9.6	21.4

350754 2002 AR_{28} 7 16.9 150.°72 0.°7/16.5 18

6 10	20 10.54	−20 53.7	2.917	3.744	10.2	21.5
6 20	20 5.61	−21 35.3	2.839	3.753	7.8	21.4
6 30	19 59.15	−22 21.1	2.785	3.761	5.1	21.2
7 10	19 51.62	−23 8.4	2.759	3.769	2.1	21.0
7 20	19 43.58	−23 54.2	2.763	3.777	1.3	21.0
7 30	19 35.72	−24 35.9	2.796	3.784	4.1	21.2
8 9	19 28.67	−25 11.9	2.858	3.790	6.9	21.4
8 19	19 22.96	−25 41.1	2.945	3.796	9.4	21.6

417979 2007 TW_{186} 7 16.9 258°.29 3°.7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.05	−25 56.2	1.483	2.345	16.6	21.0
6 20	20 10.84	−26 57.0	1.404	2.336	12.9	20.7
6 30	20 3.51	−28 3.7	1.346	2.326	8.7	20.5
7 10	19 53.73	−29 9.3	1.310	2.317	4.7	20.2
7 20	19 42.61	−30 6.2	1.300	2.308	4.4	20.2
7 30	19 31.69	−30 48.3	1.315	2.298	8.4	20.4
8 9	19 22.49	−31 13.0	1.354	2.288	12.8	20.6
8 19	19 16.13	−31 21.3	1.413	2.278	16.8	20.8

418145 2008 AA_{65} 7 16.9 124°.42 1°.6/17.7 17

6 10	20 15.01	−14 54.4	1.786	2.617	15.5	21.7
6 20	20 9.77	−15 14.8	1.719	2.631	12.1	21.5
6 30	20 2.19	−15 45.9	1.673	2.645	8.1	21.3
7 10	19 52.96	−16 25.3	1.652	2.659	3.9	21.1
7 20	19 43.01	−17 9.2	1.657	2.671	1.9	21.0
7 30	19 33.46	−17 53.7	1.691	2.683	5.7	21.2
8 9	19 25.33	−18 35.7	1.750	2.695	9.7	21.5
8 19	19 19.37	−19 12.7	1.833	2.706	13.2	21.7

184200 2004 PZ_{65} 7 16.9 336°.83 2°.4/18.1 18

6 10	20 7.00	−13 30.7	1.831	2.673	14.8	20.5
6 20	20 3.79	−13 37.8	1.746	2.663	11.7	20.2
6 30	19 58.42	−13 56.5	1.681	2.653	8.1	20.0
7 10	19 51.44	−14 25.7	1.640	2.645	4.3	19.8
7 20	19 43.64	−15 2.9	1.624	2.636	2.5	19.6
7 30	19 36.00	−15 44.8	1.635	2.629	5.7	19.8
8 9	19 29.51	−16 27.9	1.671	2.622	9.6	20.0
8 19	19 24.93	−17 9.1	1.729	2.616	13.2	20.2

293838 2007 RV_{210} 7 16.9 317°.76 3°.2/18.3 18

6 10	20 9.47	−12 14.0	1.735	2.571	15.7	20.5
6 20	20 5.77	−12 9.0	1.652	2.564	12.5	20.3
6 30	19 59.76	−12 16.4	1.588	2.557	8.8	20.0
7 10	19 52.02	−12 35.5	1.549	2.551	5.0	19.8
7 20	19 43.41	−13 4.6	1.534	2.544	3.3	19.7
7 30	19 34.99	−13 40.6	1.546	2.538	6.3	19.9
8 9	19 27.82	−14 20.0	1.582	2.532	10.2	20.1
8 19	19 22.71	−14 59.5	1.641	2.526	13.8	20.3

181991 1999 VH_{121} 7 16.9 216°.35 1°.4/16.4 17

6 10	20 16.25	−23 18.6	1.929	2.769	14.2	21.9
6 20	20 10.93	−23 45.9	1.841	2.762	10.9	21.7
6 30	20 3.12	−24 17.4	1.775	2.753	7.2	21.5
7 10	19 53.44	−24 49.2	1.735	2.745	3.2	21.2
7 20	19 42.80	−25 17.3	1.722	2.735	2.2	21.1
7 30	19 32.34	−25 38.2	1.737	2.725	6.1	21.4
8 9	19 23.21	−25 50.4	1.777	2.714	10.1	21.6
8 19	19 16.28	−25 54.0	1.841	2.702	13.7	21.8

231781 2000 CO_{7} 7 16.9 161°.04 2°.1/16.0 18

6 10	20 15.21	−27 18.3	2.580	3.411	11.3	21.8
6 20	20 9.37	−27 38.4	2.503	3.418	8.7	21.7
6 30	20 1.67	−27 58.3	2.450	3.424	5.8	21.5
7 10	19 52.69	−28 14.7	2.424	3.430	2.9	21.3
7 20	19 43.16	−28 25.1	2.427	3.435	2.5	21.3
7 30	19 33.92	−28 27.6	2.458	3.440	5.1	21.5
8 9	19 25.78	−28 22.1	2.518	3.444	8.0	21.7
8 19	19 19.35	−28 9.4	2.602	3.447	10.7	21.8

517703 2015 FK_{403} 7 16.9 43°.65 2°.7/16.0 17

6 10	20 14.43	−26 30.7	1.668	2.523	15.3	21.6
6 20	20 9.77	−26 56.2	1.597	2.525	11.8	21.3
6 30	20 2.41	−27 23.2	1.547	2.527	7.8	21.1
7 10	19 53.13	−27 46.9	1.522	2.529	3.9	20.9
7 20	19 42.96	−28 3.0	1.522	2.532	3.3	20.9
7 30	19 33.22	−28 8.5	1.548	2.534	7.0	21.1
8 9	19 25.10	−28 2.9	1.598	2.536	11.0	21.3
8 19	19 19.45	−27 47.8	1.671	2.539	14.5	21.6

310502 2000 WN_{7} 7 16.9 233°.83 3°.4/18.7 18

6 10	20 9.64	− 9 8.4	2.941	3.735	10.9	22.1
6 20	20 4.93	− 8 51.6	2.837	3.721	8.9	21.9
6 30	19 58.74	− 8 42.9	2.756	3.706	6.5	21.7
7 10	19 51.48	− 8 42.6	2.702	3.690	4.3	21.6
7 20	19 43.67	− 8 50.2	2.675	3.675	3.4	21.5
7 30	19 35.92	− 9 4.6	2.678	3.658	4.8	21.6
8 9	19 28.86	− 9 24.3	2.709	3.641	7.2	21.7
8 19	19 23.04	− 9 47.5	2.765	3.624	9.7	21.8

106691 2000 WW_{158} 7 16.9 247°.13 4°.5/13.6 18

6 10	20 13.02	−31 10.8	2.503	3.341	11.4	19.8
6 20	20 8.22	−32 38.9	2.415	3.329	9.0	19.6
6 30	20 1.28	−34 8.4	2.351	3.318	6.5	19.5
7 10	19 52.68	−35 33.5	2.314	3.305	4.7	19.3
7 20	19 43.11	−36 48.4	2.306	3.293	5.0	19.3
7 30	19 33.53	−37 48.7	2.326	3.280	7.2	19.4
8 9	19 24.90	−38 32.3	2.373	3.268	9.8	19.6
8 19	19 18.05	−38 59.5	2.442	3.255	12.3	19.7

11881 Mirstation 7 16.9 329°.56 7°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 6.03	− 2 54.1	1.504	2.324	18.4	17.7
6 20	20 3.50	− 2 49.4	1.418	2.310	15.5	17.4
6 30	19 58.49	− 3 8.2	1.349	2.296	12.1	17.2
7 10	19 51.57	− 3 52.2	1.302	2.283	8.8	17.0
7 20	19 43.59	− 5 0.7	1.277	2.271	7.1	16.8
7 30	19 35.70	− 6 29.1	1.276	2.259	8.5	16.9
8 9	19 29.08	− 8 10.2	1.299	2.249	11.9	17.0
8 19	19 24.67	− 9 55.9	1.344	2.239	15.6	17.2

296032 2008 YV_{166} 7 16.9 242°.96 0°.3/17.1 18

6 10	20 14.72	−20 54.0	2.164	2.998	13.1	21.1
6 20	20 9.41	−20 43.3	2.069	2.985	10.2	20.9
6 30	20 1.94	−20 35.5	1.997	2.973	6.7	20.7
7 10	19 52.90	−20 28.9	1.950	2.960	2.9	20.4
7 20	19 43.05	−20 21.9	1.931	2.946	1.2	20.3
7 30	19 33.39	−20 13.0	1.941	2.933	5.2	20.5
8 9	19 24.88	−20 1.9	1.977	2.918	9.0	20.7
8 19	19 18.25	−19 48.5	2.038	2.904	12.4	20.9

435708 2008 TB_{176} 7 16.9 253°.12 1°.5/16.4 17

6 10	20 12.98	−23 26.1	1.818	2.669	14.5	21.8
6 20	20 8.48	−23 53.3	1.739	2.665	11.2	21.6
6 30	20 1.52	−24 24.7	1.682	2.662	7.3	21.4
7 10	19 52.77	−24 56.6	1.649	2.658	3.2	21.1
7 20	19 43.12	−25 24.6	1.642	2.655	2.2	21.1
7 30	19 33.75	−25 45.6	1.662	2.652	6.2	21.3
8 9	19 25.76	−25 57.8	1.708	2.648	10.2	21.5
8 19	19 19.98	−26 1.4	1.776	2.644	13.8	21.7

168845 2000 UJ_{28} 7 16.9 211°.06 2°.0/17.7 17

6 10	20 15.02	−16 1.9	1.616	2.456	16.4	20.7
6 20	20 10.22	−15 56.2	1.535	2.453	12.9	20.4
6 30	20 2.76	−16 0.1	1.475	2.449	8.8	20.2
7 10	19 53.32	−16 12.0	1.438	2.445	4.3	19.9
7 20	19 42.90	−16 29.4	1.427	2.441	2.3	19.8
7 30	19 32.74	−16 49.6	1.443	2.436	6.4	20.0
8 9	19 24.09	−17 9.9	1.483	2.431	10.9	20.3
8 19	19 17.83	−17 28.5	1.546	2.425	14.8	20.5

47295 1999 WV_{1} 7 16.9 201°.92 0°.5/17.2 18

6 10	20 14.82	−18 3.7	1.917	2.752	14.5	20.1
6 20	20 9.73	−18 22.7	1.832	2.749	11.2	19.9
6 30	20 2.28	−18 49.7	1.769	2.744	7.4	19.7
7 10	19 53.09	−19 22.1	1.730	2.740	3.2	19.4
7 20	19 43.00	−19 56.3	1.719	2.734	1.3	19.2
7 30	19 33.11	−20 29.1	1.736	2.728	5.6	19.5
8 9	19 24.49	−20 57.8	1.779	2.721	9.7	19.8
8 19	19 17.96	−21 21.1	1.845	2.714	13.3	20.0

361891 2008 FP_{100} 7 16.9 195°.38 3°.8/14.7 18

6 10	20 12.43	−31 20.7	2.567	3.405	11.1	21.7
6 20	20 7.50	−32 13.5	2.488	3.403	8.7	21.5
6 30	20 0.62	−33 5.3	2.432	3.401	6.1	21.4
7 10	19 52.33	−33 51.6	2.403	3.399	4.1	21.2
7 20	19 43.34	−34 28.5	2.402	3.397	4.2	21.2
7 30	19 34.53	−34 53.2	2.429	3.394	6.3	21.4
8 9	19 26.76	−35 4.9	2.482	3.391	8.9	21.5
8 19	19 20.71	−35 4.5	2.559	3.388	11.3	21.7

86084 1999 RJ_{75} 7 16.9 338°.13 2°.7/15.9 18

6 10	20 11.13	−27 31.3	1.858	2.714	14.0	19.2
6 20	20 7.07	−27 50.2	1.778	2.706	10.8	19.0
6 30	20 0.60	−28 9.5	1.719	2.699	7.2	18.8
7 10	19 52.38	−28 25.1	1.685	2.692	3.8	18.5
7 20	19 43.32	−28 33.3	1.677	2.686	3.2	18.5
7 30	19 34.55	−28 31.8	1.695	2.680	6.6	18.7
8 9	19 27.17	−28 20.2	1.737	2.675	10.3	18.9
8 19	19 21.97	−27 59.7	1.802	2.670	13.6	19.1

174625 2003 ST_{76} 7 16.9 323°.67 1°.3/16.7 18

6 10	20 10.65	−23 13.9	1.163	2.044	18.8	19.6
6 20	20 8.06	−23 19.7	1.084	2.026	14.7	19.3
6 30	20 2.01	−23 31.0	1.022	2.009	9.8	19.0
7 10	19 53.22	−23 43.6	0.982	1.993	4.2	18.6
7 20	19 42.91	−23 52.9	0.963	1.977	2.4	18.5
7 30	19 32.83	−23 55.0	0.967	1.963	8.2	18.8
8 9	19 24.72	−23 48.2	0.992	1.949	13.8	19.0
8 19	19 19.83	−23 33.2	1.036	1.937	18.8	19.3

386342 2008 SG_{269} 7 16.9 254°.68 4°.3/15.5 18

6 10	20 18.16	−32 34.1	2.046	2.885	13.5	21.0
6 20	20 12.46	−32 56.4	1.954	2.870	10.7	20.8
6 30	20 4.15	−33 15.2	1.885	2.854	7.6	20.6
7 10	19 53.90	−33 25.3	1.840	2.838	4.9	20.4
7 20	19 42.67	−33 22.7	1.823	2.822	4.7	20.4
7 30	19 31.70	−33 5.0	1.832	2.805	7.4	20.5
8 9	19 22.17	−32 33.2	1.868	2.788	10.7	20.7
8 19	19 14.98	−31 49.9	1.926	2.771	13.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
186763 2004 CC_{108}			7 16.9	91°.70	2°.6/17.9 17	
	h m	° ′			°	m
6 10	20 14.81	−14 14.2	1.617	2.453	16.6	20.6
6 20	20 9.75	−14 7.9	1.555	2.470	13.0	20.4
6 30	20 2.23	−14 12.6	1.515	2.486	8.9	20.2
7 10	19 53.01	−14 26.7	1.497	2.502	4.6	20.0
7 20	19 43.10	−14 48.0	1.506	2.518	2.8	19.9
7 30	19 33.70	−15 13.3	1.541	2.534	6.2	20.1
8 9	19 25.86	−15 39.7	1.601	2.549	10.2	20.4
8 19	19 20.35	−16 5.0	1.684	2.564	13.8	20.7
159344 2006 QS_{142}			7 16.9	341°.84	1°.3/17.4 17	
6 10	20 12.99	−18 18.2	1.369	2.229	17.8	19.7
6 20	20 9.07	−18 7.7	1.296	2.226	13.9	19.5
6 30	20 2.20	−18 5.5	1.242	2.223	9.3	19.2
7 10	19 53.13	−18 9.9	1.211	2.220	4.2	18.9
7 20	19 43.01	−18 18.0	1.203	2.218	2.0	18.8
7 30	19 33.27	−18 27.2	1.221	2.216	6.9	19.1
8 9	19 25.28	−18 35.4	1.261	2.215	11.8	19.3
8 19	19 20.01	−18 41.3	1.323	2.214	16.1	19.6
128695 2004 RH_{97}			7 16.9	227°.10	0°.4/16.8 18	
6 10	20 11.46	−22 27.6	2.628	3.460	11.1	20.2
6 20	20 6.52	−22 28.2	2.537	3.454	8.5	20.0
6 30	19 59.86	−22 31.0	2.471	3.447	5.6	19.8
7 10	19 51.98	−22 33.9	2.431	3.440	2.3	19.6
7 20	19 43.53	−22 35.3	2.419	3.433	1.2	19.5
7 30	19 35.26	−22 33.8	2.436	3.426	4.4	19.7
8 9	19 27.93	−22 28.6	2.481	3.419	7.6	19.9
8 19	19 22.12	−22 20.0	2.550	3.411	10.4	20.1
8836 Aquifolium			7 16.9	70°.21	4°.5/19.4 18	
6 10	20 8.40	− 6 53.5	2.210	3.015	13.8	17.6
6 20	20 4.34	− 6 43.1	2.131	3.019	11.2	17.4
6 30	19 58.52	− 6 45.8	2.073	3.022	8.4	17.3
7 10	19 51.43	− 7 1.7	2.040	3.026	5.7	17.1
7 20	19 43.76	− 7 29.7	2.032	3.030	4.5	17.0
7 30	19 36.30	− 8 7.6	2.052	3.033	6.0	17.1
8 9	19 29.82	− 8 52.2	2.098	3.037	8.7	17.3
8 19	19 24.93	− 9 40.1	2.168	3.041	11.4	17.5
472959 2015 GK_{34}			7 16.9	107°.39	2°.4/15.7 17	
6 10	20 13.74	−23 58.9	1.927	2.773	13.9	20.8
6 20	20 8.88	−25 3.6	1.861	2.785	10.7	20.6
6 30	20 1.68	−26 13.1	1.818	2.797	7.0	20.4
7 10	19 52.81	−27 21.9	1.800	2.808	3.4	20.3
7 20	19 43.17	−28 24.3	1.810	2.819	3.0	20.2
7 30	19 33.83	−29 15.8	1.848	2.831	6.4	20.5
8 9	19 25.86	−29 54.3	1.911	2.841	9.9	20.7
8 19	19 20.02	−30 19.8	1.998	2.852	13.1	20.9
360913 2005 SW_{239}			7 16.9	221°.47	5°.7/14.1 18	
6 10	20 16.37	−39 7.8	2.614	3.438	11.4	21.9
6 20	20 10.62	−39 48.9	2.533	3.431	9.3	21.7
6 30	20 2.69	−40 23.7	2.476	3.425	7.2	21.6
7 10	19 53.21	−40 47.2	2.444	3.417	5.8	21.5
7 20	19 43.00	−40 55.7	2.440	3.410	6.0	21.5
7 30	19 33.07	−40 47.5	2.462	3.402	7.6	21.6
8 9	19 24.40	−40 23.2	2.510	3.395	9.7	21.7
8 19	19 17.69	−39 45.4	2.581	3.386	11.9	21.8
430209 2013 TZ_{143}			7 17.0	317°.63	2°.0/17.7 17	
6 10	20 9.83	−15 56.0	1.356	2.217	17.8	21.0
6 20	20 6.81	−15 56.8	1.274	2.203	14.1	20.7
6 30	20 0.87	−16 9.9	1.210	2.189	9.6	20.4
7 10	19 52.66	−16 33.7	1.168	2.176	4.7	20.1
7 20	19 43.19	−17 5.1	1.149	2.163	2.4	19.9
7 30	19 33.90	−17 40.1	1.155	2.151	7.1	20.2
8 9	19 26.18	−18 14.6	1.183	2.140	12.2	20.4
8 19	19 21.13	−18 45.7	1.232	2.129	16.7	20.7
442941 2013 CH_{75}			7 17.0	67°.31	4°.7/20.1 15	
6 10	20 8.23	− 4 35.5	2.200	2.996	14.1	21.4
6 20	20 4.18	− 4 48.6	2.129	3.009	11.5	21.2
6 30	19 58.38	− 5 17.5	2.079	3.022	8.7	21.1
7 10	19 51.38	− 6 1.5	2.053	3.035	6.0	20.9
7 20	19 43.84	− 6 58.7	2.053	3.049	4.7	20.9
7 30	19 36.55	− 8 5.4	2.081	3.062	5.9	21.0
8 9	19 30.25	− 9 17.3	2.136	3.076	8.5	21.2
8 19	19 25.54	−10 30.3	2.215	3.089	11.2	21.4
167410 2003 WB_{127}			7 17.0	288°.94	4°.3/14.8 18	
6 10	20 12.59	−28 43.8	1.867	2.720	14.0	19.8
6 20	20 8.53	−29 48.8	1.775	2.701	11.0	19.6
6 30	20 1.84	−30 57.1	1.705	2.681	7.6	19.3
7 10	19 53.05	−32 2.6	1.659	2.661	4.8	19.1
7 20	19 43.07	−32 58.7	1.640	2.641	4.9	19.1
7 30	19 33.10	−33 40.3	1.647	2.621	7.9	19.2
8 9	19 24.42	−34 5.1	1.679	2.601	11.6	19.4
8 19	19 18.05	−34 13.5	1.732	2.581	15.0	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
199031 2005 WX_{136}			7 17.0	351°.38	1°.8/16.5 17	
	h m	° ′			°	m
6 10	20 4.18	−22 31.1	0.830	1.739	21.7	20.2
6 20	20 3.83	−22 52.0	0.771	1.729	16.8	19.9
6 30	19 59.58	−23 22.7	0.728	1.721	11.1	19.6
7 10	19 52.28	−23 57.7	0.703	1.715	4.8	19.2
7 20	19 43.42	−24 29.8	0.696	1.711	3.0	19.1
7 30	19 35.05	−24 52.6	0.709	1.708	9.3	19.4
8 9	19 29.15	−25 2.6	0.740	1.708	15.4	19.8
8 19	19 26.96	−24 59.7	0.787	1.710	20.7	20.1
348053 2003 UA_{206}			7 17.0	266°.38	2°.8/17.9 18	
6 10	20 15.02	−14 6.9	1.764	2.594	15.7	22.0
6 20	20 10.32	−13 55.2	1.658	2.569	12.6	21.7
6 30	20 3.00	−13 53.3	1.573	2.542	8.8	21.4
7 10	19 53.56	−14 0.8	1.512	2.515	4.8	21.1
7 20	19 42.85	−14 16.3	1.476	2.488	3.0	20.9
7 30	19 32.07	−14 37.5	1.468	2.459	6.6	21.1
8 9	19 22.46	−15 1.6	1.485	2.430	11.1	21.3
8 19	19 15.06	−15 26.3	1.524	2.400	15.2	21.5
478619 2012 TZ_{163}			7 17.0	289°.89	8°.8/20.3 18	
6 10	20 9.53	+ 0 27.5	1.866	2.647	16.8	21.4
6 20	20 5.87	+ 1 12.2	1.761	2.620	14.5	21.1
6 30	19 59.94	+ 1 39.0	1.674	2.593	12.0	20.9
7 10	19 52.23	+ 1 44.3	1.609	2.565	9.8	20.7
7 20	19 43.43	+ 1 26.0	1.568	2.537	8.8	20.6
7 30	19 34.55	+ 0 44.4	1.551	2.509	9.7	20.6
8 9	19 26.63	− 0 16.8	1.557	2.481	12.2	20.7
8 19	19 20.59	− 1 32.2	1.586	2.453	15.2	20.8
20106 Morton			7 17.0	237°.94	3°.6/15.8 18	
6 10	20 18.18	−31 11.4	2.110	2.947	13.2	19.7
6 20	20 12.30	−31 26.1	2.020	2.936	10.4	19.5
6 30	20 3.96	−31 37.7	1.954	2.925	7.2	19.3
7 10	19 53.82	−31 41.8	1.912	2.913	4.3	19.1
7 20	19 42.81	−31 34.8	1.898	2.901	4.0	19.1
7 30	19 32.09	−31 15.2	1.912	2.889	6.7	19.2
8 9	19 22.78	−30 43.5	1.952	2.876	10.1	19.4
8 19	19 15.69	−30 2.4	2.016	2.863	13.2	19.6
11848 Paullouka			7 17.0	222°.33	0°.2/16.9 18	
6 10	20 12.91	−20 19.5	2.100	2.937	13.3	19.2
6 20	20 8.12	−20 38.7	2.012	2.931	10.3	19.0
6 30	20 1.17	−21 3.5	1.946	2.924	6.7	18.8
7 10	19 52.64	−21 31.2	1.906	2.916	2.8	18.5
7 20	19 43.31	−21 58.7	1.894	2.909	1.3	18.4
7 30	19 34.15	−22 23.2	1.909	2.901	5.3	18.7
8 9	19 26.12	−22 42.6	1.951	2.892	9.1	18.9
8 19	19 19.99	−22 56.3	2.017	2.884	12.4	19.1
347041 2010 EH_{109}			7 17.0	67°.92	4°.5/19.1 17	
6 10	20 10.91	− 8 38.4	1.817	2.636	15.8	20.9
6 20	20 6.52	− 8 24.9	1.753	2.652	12.7	20.7
6 30	20 0.04	− 8 25.6	1.710	2.667	9.2	20.5
7 10	19 52.11	− 8 40.3	1.690	2.683	6.0	20.4
7 20	19 43.58	− 9 7.3	1.696	2.698	4.5	20.3
7 30	19 35.42	− 9 43.8	1.728	2.714	6.4	20.4
8 9	19 28.56	−10 26.2	1.786	2.730	9.6	20.7
8 19	19 23.65	−11 10.7	1.866	2.745	12.7	20.9
1440 Rostia			7 17.0	278°.00	1°.0/16.5 18	
6 10	20 10.25	−22 49.4	2.408	3.247	11.7	17.6
6 20	20 5.92	−23 11.1	2.309	3.230	9.0	17.4
6 30	19 59.68	−23 36.3	2.234	3.212	5.9	17.1
7 10	19 52.01	−24 2.5	2.184	3.194	2.6	16.9
7 20	19 43.58	−24 26.8	2.162	3.176	1.6	16.8
7 30	19 35.24	−24 46.7	2.169	3.158	5.0	17.0
8 9	19 27.82	−25 0.6	2.202	3.139	8.4	17.2
8 19	19 22.04	−25 8.0	2.259	3.121	11.5	17.3
85023 2087 P–L			7 17.0	313°.14	6°.4/19.8 18	
6 10	20 8.40	− 3 53.5	2.028	2.826	15.1	19.2
6 20	20 4.59	− 3 19.0	1.942	2.819	12.6	19.0
6 30	19 58.83	− 2 59.3	1.877	2.813	9.9	18.9
7 10	19 51.65	− 2 56.0	1.834	2.807	7.5	18.7
7 20	19 43.75	− 3 9.4	1.816	2.801	6.4	18.6
7 30	19 36.00	− 3 38.2	1.824	2.795	7.5	18.7
8 9	19 29.27	− 4 19.2	1.857	2.789	10.0	18.8
8 19	19 24.25	− 5 8.3	1.913	2.784	12.8	19.0
18450 1994 PG_{27}			7 17.0	119°.12	0°.2/17.1 18	
6 10	20 10.94	−19 17.5	2.438	3.269	11.9	19.3
6 20	20 6.15	−19 33.7	2.364	3.280	9.1	19.2
6 30	19 59.63	−19 54.9	2.314	3.290	5.9	19.0
7 10	19 51.91	−20 18.9	2.291	3.300	2.5	18.8
7 20	19 43.67	−20 43.3	2.295	3.310	1.0	18.7
7 30	19 35.69	−21 5.9	2.328	3.320	4.5	18.9
8 9	19 28.72	−21 25.0	2.389	3.329	7.7	19.2
8 19	19 23.34	−21 40.0	2.474	3.339	10.5	19.4