437631 2014 BO_{33} 7 23.9 207°.04 2°.6/25.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.55	−10 41.4	2.043	2.890	13.3	21.9
6 30	20 32.53	−10 54.2	1.963	2.887	10.2	21.7
7 10	20 25.66	−11 18.9	1.906	2.884	6.8	21.5
7 20	20 17.51	−11 54.0	1.874	2.881	3.5	21.3
7 30	20 8.89	−12 36.6	1.870	2.877	3.2	21.3
8 9	20 0.72	−13 22.9	1.893	2.873	6.4	21.5
8 19	19 53.83	−14 9.4	1.942	2.869	9.9	21.7
8 29	19 48.90	−14 52.9	2.014	2.864	13.1	21.9

477137 2009 DR_{14} 7 23.9 230°.72 0°.8/23.6 18

6 20	20 39.51	−21 27.0	2.132	3.000	12.0	22.1
6 30	20 33.96	−21 39.1	2.053	2.994	8.9	21.8
7 10	20 26.51	−21 54.4	1.998	2.988	5.4	21.6
7 20	20 17.75	−22 9.8	1.969	2.983	1.6	21.4
7 30	20 8.55	−22 22.4	1.968	2.976	2.7	21.4
8 9	19 59.87	−22 29.9	1.994	2.970	6.4	21.7
8 19	19 52.55	−22 31.3	2.046	2.964	10.0	21.9
8 29	19 47.27	−22 26.4	2.121	2.957	13.0	22.0

294817 2008 CS_{120} 7 24.0 65°.57 1°.3/24.9 18

6 20	20 35.63	−13 7.6	2.062	2.920	12.7	20.4
6 30	20 31.07	−13 45.0	1.992	2.925	9.6	20.2
7 10	20 24.75	−14 33.4	1.944	2.929	6.0	20.0
7 20	20 17.24	−15 29.8	1.923	2.934	2.4	19.7
7 30	20 9.33	−16 30.2	1.929	2.939	2.4	19.7
8 9	20 1.90	−17 30.0	1.962	2.944	6.1	20.0
8 19	19 55.73	−18 25.6	2.022	2.948	9.6	20.2
8 29	19 51.46	−19 14.3	2.105	2.953	12.6	20.4

285965 2001 RS_{96} 7 24.0 296°.59 0°.7/24.4 18

6 20	20 37.19	−16 54.7	1.934	2.802	13.0	20.9
6 30	20 32.41	−17 6.4	1.854	2.794	9.8	20.7
7 10	20 25.66	−17 25.5	1.797	2.786	6.0	20.5
7 20	20 17.52	−17 49.6	1.765	2.778	2.0	20.2
7 30	20 8.88	−18 15.6	1.760	2.771	2.5	20.2
8 9	20 0.73	−18 40.2	1.782	2.763	6.6	20.5
8 19	19 53.96	−19 1.2	1.829	2.756	10.4	20.7
8 29	19 49.30	−19 17.0	1.899	2.749	13.7	20.9

257343 2009 JA_{17} 7 24.0 188°.43 4°.2/26.0 18

6 20	20 39.66	− 8 31.8	1.579	2.431	16.3	20.9
6 30	20 34.52	− 8 28.7	1.507	2.431	12.7	20.7
7 10	20 27.05	− 8 41.9	1.455	2.430	8.8	20.4
7 20	20 17.94	− 9 10.5	1.427	2.430	5.2	20.2
7 30	20 8.26	− 9 51.6	1.425	2.429	4.7	20.2
8 9	19 59.20	−10 40.6	1.448	2.428	8.0	20.4
8 19	19 51.83	−11 32.8	1.495	2.426	12.0	20.6
8 29	19 46.96	−12 23.4	1.564	2.424	15.6	20.8

342385 2008 UA_{34} 7 24.0 0°.30 6°.7/20.6 16

6 20	20 36.81	−30 37.0	1.268	2.171	16.2	19.8
6 30	20 33.23	−31 58.4	1.214	2.168	12.4	19.5
7 10	20 26.62	−33 18.2	1.179	2.167	8.7	19.3
7 20	20 17.86	−34 26.7	1.167	2.166	6.7	19.2
7 30	20 8.39	−35 15.0	1.179	2.167	8.3	19.3
8 9	19 59.89	−35 38.4	1.212	2.169	11.9	19.5
8 19	19 53.71	−35 37.0	1.266	2.172	15.7	19.8
8 29	19 50.81	−35 14.3	1.338	2.176	19.0	20.0

36677 2000 QO_{224} 7 24.0 143°.71 6°.6/28.4 18

6 20	20 37.25	+ 0 18.7	1.957	2.762	15.3	19.7
6 30	20 32.29	+ 0 21.6	1.885	2.768	12.7	19.5
7 10	20 25.50	+ 0 4.4	1.833	2.773	9.8	19.4
7 20	20 17.46	− 0 33.2	1.805	2.779	7.4	19.2
7 30	20 9.01	− 1 29.3	1.802	2.784	6.6	19.2
8 9	20 1.06	− 2 39.5	1.826	2.788	8.1	19.3
8 19	19 54.43	− 3 58.5	1.875	2.793	10.7	19.5
8 29	19 49.78	− 5 20.4	1.947	2.797	13.4	19.7

18789 Metzger 7 24.0 358°.66 0°.3/24.1 18

6 20	20 32.27	−16 30.5	0.946	1.859	19.4	17.3
6 30	20 30.18	−17 4.4	0.891	1.854	14.6	17.0
7 10	20 24.94	−17 54.9	0.853	1.851	8.9	16.7
7 20	20 17.40	−18 56.7	0.834	1.849	2.7	16.3
7 30	20 9.08	−20 1.4	0.837	1.849	3.8	16.4
8 9	20 1.74	−21 0.6	0.861	1.851	9.9	16.8
8 19	19 56.84	−21 48.0	0.904	1.854	15.5	17.1
8 29	19 55.40	−22 20.6	0.964	1.859	20.1	17.4

503279 2015 TS_{144} 7 24.0 65°.17 18°.9/30.9 17

6 20	20 42.40	+11 54.2	1.084	1.871	26.1	20.6
6 30	20 37.29	+14 30.3	1.037	1.877	23.7	20.5
7 10	20 29.05	+16 30.2	1.005	1.884	21.4	20.3
7 20	20 18.58	+17 43.2	0.988	1.891	19.6	20.2
7 30	20 7.35	+18 2.9	0.988	1.898	18.9	20.2
8 9	19 57.07	+17 31.0	1.006	1.906	19.4	20.3
8 19	19 49.19	+16 16.2	1.039	1.913	20.9	20.4
8 29	19 44.73	+14 31.6	1.088	1.920	22.8	20.6

314620 2006 EG_{62} 7 24.0 90°.54 3°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 45.72	−26 22.0	1.334	2.221	16.6	20.9
6 30	20 39.44	−26 37.8	1.276	2.225	12.4	20.7
7 10	20 30.15	−26 52.8	1.239	2.230	7.7	20.5
7 20	20 18.85	−27 1.3	1.224	2.235	3.6	20.2
7 30	20 7.05	−26 58.3	1.235	2.240	5.0	20.3
8 9	19 56.39	−26 42.2	1.271	2.245	9.5	20.6
8 19	19 48.18	−26 13.9	1.329	2.250	13.9	20.9
8 29	19 43.25	−25 36.5	1.407	2.254	17.7	21.1

398873 2013 CQ_{63} 7 24.0 46°.88 2°.1/25.0 18

6 20	20 37.71	−14 8.7	2.021	2.879	13.0	20.6
6 30	20 32.55	−13 54.2	1.953	2.885	9.8	20.4
7 10	20 25.60	−13 47.5	1.908	2.892	6.3	20.2
7 20	20 17.49	−13 47.5	1.889	2.898	2.9	20.0
7 30	20 9.05	−13 52.4	1.896	2.905	2.9	20.0
8 9	20 1.19	−14 0.3	1.931	2.912	6.2	20.2
8 19	19 54.70	−14 9.1	1.992	2.919	9.7	20.5
8 29	19 50.18	−14 17.3	2.075	2.926	12.7	20.7

265264 2004 FO_{7} 7 24.0 236°.53 1°.4/23.3 18

6 20	20 41.89	−21 38.8	1.793	2.665	13.7	21.5
6 30	20 36.19	−22 8.5	1.711	2.655	10.2	21.2
7 10	20 28.10	−22 43.3	1.652	2.643	6.2	21.0
7 20	20 18.30	−23 18.6	1.618	2.631	2.1	20.7
7 30	20 7.82	−23 49.7	1.611	2.619	3.4	20.8
8 9	19 57.87	−24 13.0	1.631	2.606	7.7	21.0
8 19	19 49.56	−24 26.7	1.676	2.593	11.8	21.2
8 29	19 43.74	−24 30.5	1.742	2.579	15.3	21.4

513175 2004 RW_{246} 7 24.0 325°.68 10°.6/20.7 18

6 20	20 55.25	−49 40.6	1.934	2.759	14.8	20.4
6 30	20 46.41	−50 4.1	1.863	2.744	12.9	20.2
7 10	20 34.26	−50 7.7	1.812	2.730	11.3	20.1
7 20	20 20.02	−49 43.4	1.785	2.716	10.6	20.0
7 30	20 5.45	−48 46.6	1.781	2.703	11.1	20.0
8 9	19 52.39	−47 18.5	1.802	2.690	12.8	20.1
8 19	19 42.20	−45 25.1	1.846	2.678	14.9	20.2
8 29	19 35.65	−43 14.8	1.911	2.666	17.1	20.3

445507 2010 WP_{6} 7 24.0 335°.14 2°.2/25.2 18

6 20	20 35.38	−12 48.9	2.101	2.958	12.6	21.0
6 30	20 30.89	−12 49.7	2.023	2.953	9.6	20.8
7 10	20 24.67	−12 59.9	1.967	2.950	6.3	20.6
7 20	20 17.26	−13 18.0	1.937	2.946	3.0	20.4
7 30	20 9.44	−13 42.0	1.934	2.942	2.9	20.4
8 9	20 2.07	−14 8.9	1.958	2.939	6.1	20.6
8 19	19 55.93	−14 36.1	2.008	2.936	9.5	20.8
8 29	19 51.64	−15 1.3	2.081	2.934	12.6	21.0

429393 2010 RT_{12} 7 24.0 253°.00 10°.0/30.2 18

6 20	20 38.91	+ 8 15.0	1.898	2.657	17.3	21.5
6 30	20 33.91	+ 8 29.1	1.798	2.636	15.2	21.3
7 10	20 26.75	+ 8 16.9	1.715	2.615	12.9	21.1
7 20	20 17.94	+ 7 35.1	1.654	2.592	10.8	20.9
7 30	20 8.33	+ 6 22.9	1.617	2.569	10.0	20.8
8 9	19 58.95	+ 4 43.7	1.605	2.544	10.8	20.8
8 19	19 50.82	+ 2 44.2	1.617	2.519	13.1	20.9
8 29	19 44.83	+ 0 33.4	1.653	2.494	15.9	21.0

247130 2000 VW_{41} 7 24.0 197°.20 2°.4/25.3 18

6 20	20 39.58	−11 57.7	2.231	3.074	12.4	21.0
6 30	20 33.89	−11 53.9	2.149	3.072	9.5	20.8
7 10	20 26.44	−11 59.2	2.090	3.068	6.3	20.6
7 20	20 17.78	−12 12.4	2.058	3.064	3.2	20.4
7 30	20 8.69	−12 31.6	2.054	3.060	3.0	20.4
8 9	20 0.05	−12 54.3	2.077	3.055	6.1	20.6
8 19	19 52.63	−13 18.2	2.128	3.050	9.4	20.8
8 29	19 47.08	−13 41.1	2.202	3.043	12.4	21.0

162535 2000 QN_{158} 7 24.0 262°.47 3°.5/25.2 17

6 20	20 41.73	−12 37.7	1.457	2.322	16.7	19.9
6 30	20 36.36	−12 10.8	1.378	2.313	12.9	19.7
7 10	20 28.34	−11 55.1	1.321	2.303	8.6	19.4
7 20	20 18.40	−11 50.4	1.286	2.293	4.4	19.1
7 30	20 7.73	−11 55.0	1.276	2.283	4.3	19.1
8 9	19 57.69	−12 6.2	1.292	2.273	8.5	19.3
8 19	19 49.52	−12 21.0	1.331	2.263	13.0	19.6
8 29	19 44.16	−12 36.7	1.390	2.253	17.1	19.8

16474 1990 QG_{3} 7 24.0 327°.10 2°.3/23.2 18

6 20	20 32.75	−22 3.2	0.941	1.860	18.9	18.8
6 30	20 31.17	−22 27.3	0.858	1.826	14.3	18.4
7 10	20 26.04	−23 1.3	0.793	1.793	8.9	18.0
7 20	20 17.93	−23 39.5	0.746	1.761	3.2	17.5
7 30	20 8.27	−24 14.0	0.720	1.730	5.2	17.5
8 9	19 59.08	−24 37.2	0.713	1.701	11.8	17.7
8 19	19 52.37	−24 44.8	0.724	1.674	18.1	18.0
8 29	19 49.74	−24 35.7	0.750	1.650	23.7	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
123642 2000 YR_{58}			7 24.0	98°.52	2°.4/22.3	18
	h m	° ′			°	m
6 20	20 39.51	−21 51.7	1.848	2.723	13.2	19.4
6 30	20 34.24	−23 16.0	1.789	2.735	9.7	19.2
7 10	20 26.82	−24 46.1	1.755	2.746	5.9	19.0
7 20	20 17.94	−26 15.3	1.747	2.758	2.6	18.8
7 30	20 8.57	−27 36.7	1.767	2.770	4.1	18.9
8 9	19 59.83	−28 44.9	1.814	2.781	7.8	19.2
8 19	19 52.67	−29 37.2	1.886	2.792	11.3	19.4
8 29	19 47.83	−30 13.5	1.980	2.803	14.3	19.6
233362 2006 DZ_{117}			7 24.0	134°.24	2°.1/22.9	17
6 20	20 41.91	−24 33.1	2.215	3.080	11.7	22.2
6 30	20 35.59	−25 5.8	2.154	3.094	8.6	22.0
7 10	20 27.43	−25 39.5	2.118	3.107	5.3	21.8
7 20	20 18.07	−26 10.0	2.108	3.119	2.3	21.7
7 30	20 8.41	−26 33.9	2.127	3.131	3.4	21.7
8 9	19 59.40	−26 48.8	2.174	3.142	6.6	22.0
8 19	19 51.84	−26 54.1	2.248	3.153	9.7	22.2
8 29	19 46.35	−26 50.5	2.344	3.163	12.5	22.4
9577 Gropius			7 24.0	66°.76	0°.2/23.9	18 R
6 20	20 41.77	−19 10.0	1.408	2.289	16.2	18.5
6 30	20 36.19	−19 23.9	1.356	2.303	12.0	18.3
7 10	20 28.07	−19 44.7	1.324	2.317	7.2	18.1
7 20	20 18.29	−20 8.4	1.317	2.331	2.1	17.8
7 30	20 8.14	−20 30.6	1.334	2.345	3.1	17.9
8 9	19 58.98	−20 47.8	1.377	2.359	8.0	18.2
8 19	19 51.90	−20 58.0	1.444	2.373	12.4	18.5
8 29	19 47.64	−21 0.9	1.530	2.388	16.1	18.8
406818 2008 WN_{108}			7 24.0	231°.63	1°.1/23.6	17
6 20	20 44.72	−21 26.3	1.510	2.386	15.6	21.4
6 30	20 38.65	−21 42.2	1.432	2.377	11.7	21.2
7 10	20 29.78	−22 3.0	1.375	2.367	7.1	20.9
7 20	20 18.86	−22 24.3	1.343	2.357	2.2	20.6
7 30	20 7.17	−22 41.2	1.337	2.347	3.6	20.6
8 9	19 56.18	−22 50.3	1.357	2.335	8.6	20.9
8 19	19 47.21	−22 50.3	1.401	2.324	13.2	21.1
8 29	19 41.20	−22 41.7	1.465	2.311	17.2	21.4
23858 Ambrosesoehn			7 24.0	321°.23	2°.8/25.6	18
6 20	20 36.68	−10 56.7	1.803	2.660	14.3	18.5
6 30	20 32.13	−11 5.1	1.728	2.657	11.0	18.3
7 10	20 25.55	−11 26.6	1.674	2.654	7.3	18.1
7 20	20 17.58	−11 59.4	1.645	2.652	3.8	17.9
7 30	20 9.10	−12 40.6	1.642	2.649	3.4	17.8
8 9	20 1.14	−13 26.0	1.665	2.647	6.9	18.0
8 19	19 54.62	−14 11.8	1.714	2.645	10.7	18.3
8 29	19 50.24	−14 54.4	1.784	2.643	14.1	18.5
179551 2002 CQ_{311}			7 24.0	48°.06	4°.3/26.9	16
6 20	20 34.84	− 5 46.0	1.967	2.804	14.1	19.7
6 30	20 30.47	− 5 54.9	1.906	2.817	11.1	19.5
7 10	20 24.39	− 6 19.6	1.865	2.831	7.9	19.4
7 20	20 17.20	− 6 58.8	1.850	2.845	5.1	19.2
7 30	20 9.70	− 7 49.6	1.860	2.859	4.5	19.2
8 9	20 2.76	− 8 48.0	1.897	2.874	6.7	19.4
8 19	19 57.11	− 9 49.2	1.960	2.889	9.7	19.6
8 29	19 53.33	−10 49.2	2.046	2.904	12.6	19.8
428326 2007 HW_{46}			7 24.0	15°.84	6°.9/20.5	17
6 20	20 39.86	−32 4.8	1.410	2.303	15.5	20.2
6 30	20 35.29	−33 27.0	1.358	2.306	11.9	20.0
7 10	20 27.80	−34 45.6	1.326	2.309	8.6	19.8
7 20	20 18.27	−35 51.3	1.318	2.313	6.9	19.7
7 30	20 8.12	−36 35.9	1.334	2.317	8.3	19.8
8 9	19 58.93	−36 55.9	1.373	2.322	11.5	20.0
8 19	19 52.00	−36 51.8	1.434	2.327	14.9	20.2
8 29	19 48.22	−36 27.5	1.513	2.333	18.0	20.5
471981 2013 TD_{116}			7 24.0	335°.37	1°.6/23.6	16
6 20	20 37.67	−23 7.3	1.111	2.017	17.8	20.6
6 30	20 34.15	−23 4.1	1.040	2.000	13.3	20.3
7 10	20 27.38	−23 3.8	0.987	1.984	8.2	19.9
7 20	20 18.22	−23 2.2	0.956	1.970	2.7	19.6
7 30	20 8.14	−22 54.8	0.946	1.956	4.2	19.6
8 9	19 58.91	−22 38.6	0.959	1.944	10.0	19.9
8 19	19 52.09	−22 13.4	0.992	1.934	15.4	20.2
8 29	19 48.76	−21 40.4	1.043	1.925	20.0	20.4
48128 2001 FU_{107}			7 24.0	358°.24	2°.3/24.7	18
6 20	20 36.64	−16 20.5	1.055	1.956	18.9	18.0
6 30	20 33.17	−15 50.7	0.996	1.951	14.3	17.8
7 10	20 26.63	−15 31.3	0.955	1.948	9.1	17.5
7 20	20 17.96	−15 21.1	0.934	1.947	3.7	17.1
7 30	20 8.60	−15 17.9	0.936	1.947	4.0	17.2
8 9	20 0.24	−15 18.4	0.959	1.948	9.4	17.5
8 19	19 54.25	−15 20.2	1.003	1.950	14.6	17.8
8 29	19 51.55	−15 20.6	1.065	1.954	19.1	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
78833 2003 QU_{28}			7 24.0	281°.55	2°.8/22.9	18
	h m	° ′			°	m
6 20	20 42.31	−24 31.5	1.422	2.308	15.8	19.4
6 30	20 37.14	−25 1.2	1.343	2.293	11.8	19.2
7 10	20 29.00	−25 34.2	1.285	2.278	7.3	18.9
7 20	20 18.68	−26 4.7	1.251	2.263	3.2	18.6
7 30	20 7.46	−26 26.5	1.242	2.248	4.7	18.6
8 9	19 56.93	−26 35.5	1.258	2.233	9.5	18.9
8 19	19 48.48	−26 30.8	1.296	2.217	14.2	19.1
8 29	19 43.17	−26 13.6	1.353	2.202	18.2	19.3
233808 2008 UD_{145}			7 24.0	66°.82	0°.8/23.6	17
6 20	20 38.99	−20 0.0	1.729	2.605	13.9	20.7
6 30	20 33.90	−20 30.5	1.665	2.610	10.3	20.4
7 10	20 26.63	−21 7.0	1.624	2.616	6.2	20.2
7 20	20 17.89	−21 45.4	1.608	2.622	1.8	19.9
7 30	20 8.72	−22 21.1	1.619	2.628	3.0	20.0
8 9	20 0.23	−22 50.5	1.655	2.634	7.3	20.3
8 19	19 53.40	−23 11.3	1.717	2.640	11.2	20.6
8 29	19 48.95	−23 23.0	1.800	2.646	14.5	20.8
37930 1998 FG_{123}			7 24.0	249°.79	6°.9/20.5	18
6 20	20 45.88	−37 14.8	1.960	2.824	13.1	18.0
6 30	20 39.29	−38 6.1	1.885	2.811	10.5	17.8
7 10	20 30.05	−38 49.7	1.832	2.797	8.1	17.6
7 20	20 18.93	−39 18.6	1.804	2.784	6.9	17.5
7 30	20 7.15	−39 27.2	1.802	2.770	7.9	17.5
8 9	19 56.09	−39 13.5	1.825	2.755	10.3	17.7
8 19	19 46.96	−38 39.1	1.873	2.741	13.2	17.8
8 29	19 40.64	−37 48.0	1.940	2.725	15.9	18.0
172081 2002 CA_{35}			7 24.0	308°.45	6°.8/20.7	18
6 20	20 39.38	−29 8.5	1.182	2.084	17.1	19.3
6 30	20 35.77	−30 33.8	1.105	2.061	13.2	19.0
7 10	20 28.64	−32 3.5	1.048	2.038	9.1	18.7
7 20	20 18.68	−33 26.6	1.013	2.015	6.8	18.5
7 30	20 7.37	−34 31.3	1.001	1.993	8.7	18.5
8 9	19 56.67	−35 9.6	1.010	1.971	13.1	18.7
8 19	19 48.44	−35 19.4	1.039	1.950	17.8	18.9
8 29	19 44.04	−35 3.5	1.084	1.929	22.0	19.1
398282 2010 UQ_{35}			7 24.0	322°.41	6°.1/19.9	18
6 20	20 36.59	−31 25.3	1.721	2.609	13.4	19.8
6 30	20 32.74	−32 47.4	1.637	2.583	10.4	19.6
7 10	20 26.31	−34 10.2	1.575	2.557	7.5	19.4
7 20	20 17.91	−35 25.6	1.538	2.532	6.1	19.2
7 30	20 8.58	−36 25.7	1.526	2.508	7.6	19.3
8 9	19 59.67	−37 5.0	1.538	2.484	10.7	19.4
8 19	19 52.44	−37 21.9	1.572	2.460	14.2	19.5
8 29	19 47.94	−37 17.8	1.626	2.438	17.3	19.7
472056 2013 YM_{58}			7 24.0	124°.87	1°.7/22.9	18
6 20	20 38.47	−19 39.6	1.811	2.685	13.5	20.6
6 30	20 33.57	−20 57.8	1.743	2.688	9.9	20.4
7 10	20 26.50	−22 24.7	1.698	2.691	5.9	20.2
7 20	20 17.89	−23 54.2	1.680	2.693	2.1	19.9
7 30	20 8.71	−25 19.1	1.689	2.696	3.6	20.0
8 9	20 0.07	−26 33.6	1.726	2.698	7.6	20.3
8 19	19 52.96	−27 34.0	1.787	2.700	11.4	20.5
8 29	19 48.17	−28 18.9	1.871	2.703	14.6	20.7
91167 1998 QM_{85}			7 24.0	326°.22	2°.3/25.0	18
6 20	20 38.29	−14 17.2	2.121	2.976	12.6	19.3
6 30	20 33.02	−13 47.2	2.040	2.970	9.6	19.1
7 10	20 25.96	−13 23.6	1.983	2.965	6.2	18.9
7 20	20 17.70	−13 5.9	1.952	2.960	3.0	18.7
7 30	20 9.03	−12 53.3	1.948	2.955	3.0	18.7
8 9	20 0.86	−12 44.5	1.971	2.950	6.3	18.9
8 19	19 53.98	−12 38.4	2.020	2.946	9.6	19.1
8 29	19 49.02	−12 33.6	2.093	2.941	12.7	19.3
134631 1999 TX_{322}			7 24.0	339°.25	8°.7/26.9	18
6 20	20 34.44	− 4 53.6	1.111	1.982	20.3	18.9
6 30	20 31.48	− 3 49.9	1.041	1.969	16.7	18.7
7 10	20 25.67	− 3 7.2	0.988	1.957	12.8	18.4
7 20	20 17.73	− 2 49.6	0.955	1.946	9.5	18.2
7 30	20 8.92	− 2 58.4	0.943	1.936	8.8	18.1
8 9	20 0.79	− 3 30.7	0.951	1.928	11.5	18.2
8 19	19 54.72	− 4 20.2	0.979	1.921	15.5	18.4
8 29	19 51.76	− 5 19.1	1.025	1.915	19.6	18.7
512804 2016 UV_{89}			7 24.0	205°.40	0°.6/23.7	18
6 20	20 38.01	−20 24.8	2.313	3.178	11.3	21.9
6 30	20 32.76	−20 44.7	2.236	3.175	8.4	21.7
7 10	20 25.78	−21 8.6	2.183	3.173	5.0	21.5
7 20	20 17.65	−21 33.5	2.156	3.170	1.5	21.3
7 30	20 9.12	−21 56.6	2.158	3.167	2.4	21.3
8 9	20 1.05	−22 15.2	2.188	3.164	5.9	21.6
8 19	19 54.21	−22 28.0	2.244	3.161	9.2	21.8
8 29	19 49.20	−22 34.4	2.323	3.157	12.1	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
323050 2002 RF_{180}			7 24.0	53°.79	3°.1/25.5	17
	h m	° ′			°	m
6 20	20 38.77	−11 10.3	1.355	2.226	17.4	20.7
6 30	20 34.07	−11 19.8	1.299	2.236	13.3	20.5
7 10	20 26.87	−11 45.6	1.263	2.247	8.7	20.3
7 20	20 18.00	−12 25.0	1.250	2.258	4.3	20.0
7 30	20 8.67	−13 13.7	1.261	2.270	3.9	20.0
8 9	20 0.20	−14 5.9	1.297	2.281	8.1	20.3
8 19	19 53.68	−14 56.6	1.356	2.293	12.4	20.6
8 29	19 49.89	−15 41.6	1.435	2.305	16.2	20.9
146134 2000 SE_1			7 24.0	33°.95	14°.0/20.8	18 R
6 20	21 27.60	−22 32.4	0.525	1.419	32.5	16.7
6 30	21 10.33	−15 12.9	0.495	1.443	25.1	16.4
7 10	20 47.97	− 7 37.0	0.487	1.470	17.8	16.2
7 20	20 23.68	− 0 39.2	0.505	1.498	14.0	16.2
7 30	20 1.34	+ 4 49.8	0.548	1.529	16.3	16.5
8 9	19 43.91	+ 8 34.2	0.612	1.561	21.0	16.9
8 19	19 32.57	+10 48.0	0.693	1.595	25.2	17.4
8 29	19 27.27	+11 56.7	0.787	1.629	28.5	17.8
387235 2012 UJ_{45}			7 24.0	251°.27	2°.6/25.4	16
6 20	20 37.51	−11 35.6	1.873	2.728	14.0	21.3
6 30	20 32.68	−11 41.3	1.797	2.726	10.7	21.1
7 10	20 25.88	−11 58.7	1.743	2.723	7.1	20.9
7 20	20 17.71	−12 26.4	1.713	2.721	3.5	20.7
7 30	20 9.05	−13 1.4	1.711	2.718	3.3	20.7
8 9	20 0.91	−13 40.3	1.735	2.716	6.7	20.9
8 19	19 54.16	−14 19.4	1.784	2.713	10.4	21.1
8 29	19 49.52	−14 55.7	1.856	2.711	13.8	21.3
387840 2004 KR_{12}			7 24.0	37°.31	2°.0/25.3	16
6 20	20 35.20	−11 21.8	1.677	2.541	14.9	20.0
6 30	20 31.04	−12 4.0	1.620	2.555	11.3	19.8
7 10	20 24.88	−13 0.8	1.586	2.570	7.2	19.6
7 20	20 17.40	−14 8.4	1.575	2.586	3.1	19.4
7 30	20 9.56	−15 21.6	1.592	2.602	2.9	19.4
8 9	20 2.38	−16 34.3	1.634	2.618	6.8	19.7
8 19	19 56.73	−17 41.8	1.702	2.635	10.6	19.9
8 29	19 53.28	−18 40.4	1.791	2.652	13.9	20.2
6253 1992 FJ			7 24.0	145°.61	3°.0/25.4	18
6 20	20 41.74	−11 39.9	1.568	2.426	16.0	17.9
6 30	20 36.06	−11 39.5	1.502	2.432	12.3	17.6
7 10	20 28.01	−11 52.5	1.457	2.438	8.1	17.4
7 20	20 18.34	−12 16.9	1.435	2.443	4.0	17.2
7 30	20 8.17	−12 49.6	1.440	2.448	3.8	17.2
8 9	19 58.74	−13 26.4	1.471	2.453	7.7	17.4
8 19	19 51.09	−14 3.4	1.527	2.457	11.8	17.7
8 29	19 46.02	−14 37.3	1.603	2.460	15.5	17.9
62070 2000 RC_{77}			7 24.0	36°.74	4°.0/21.4	18
6 20	20 38.15	−29 8.2	2.138	3.014	11.7	18.3
6 30	20 33.13	−30 8.2	2.073	3.015	8.8	18.1
7 10	20 26.13	−31 7.3	2.032	3.017	5.9	17.9
7 20	20 17.78	−32 0.0	2.017	3.018	4.1	17.8
7 30	20 8.98	−32 41.6	2.030	3.020	5.2	17.9
8 9	20 0.73	−33 9.0	2.068	3.022	7.9	18.0
8 19	19 53.91	−33 21.4	2.132	3.023	10.8	18.2
8 29	19 49.21	−33 20.0	2.217	3.025	13.4	18.4
225361 1998 XD_2			7 24.0	281°.73	2°.3/25.0	17
6 20	20 39.21	−13 27.3	1.610	2.476	15.3	21.0
6 30	20 34.47	−13 29.2	1.519	2.455	11.8	20.8
7 10	20 27.26	−13 43.0	1.450	2.435	7.6	20.5
7 20	20 18.20	−14 7.2	1.404	2.414	3.4	20.2
7 30	20 8.29	−14 38.8	1.384	2.394	3.4	20.1
8 9	19 58.79	−15 13.6	1.390	2.373	7.9	20.3
8 19	19 50.88	−15 47.9	1.419	2.352	12.4	20.6
8 29	19 45.52	−16 18.7	1.470	2.331	16.4	20.8
370368 2002 TE_8			7 24.0	303°.92	5°.2/21.9	18
6 20	20 42.13	−29 33.4	1.380	2.271	15.9	20.5
6 30	20 37.22	−30 14.6	1.303	2.253	12.1	20.3
7 10	20 29.17	−30 54.5	1.248	2.236	8.1	20.0
7 20	20 18.79	−31 25.5	1.215	2.219	5.3	19.8
7 30	20 7.46	−31 40.4	1.206	2.203	6.8	19.8
8 9	19 56.90	−31 35.5	1.221	2.186	10.8	20.0
8 19	19 48.61	−31 11.2	1.257	2.171	15.2	20.2
8 29	19 43.65	−30 30.8	1.313	2.155	19.1	20.4
5732 1988 WC			7 24.0	165°.80	9°.4/29.7	18
6 20	20 43.42	+ 9 8.7	2.358	3.084	15.2	19.7
6 30	20 36.62	+10 5.2	2.284	3.093	13.3	19.6
7 10	20 28.07	+10 42.0	2.229	3.101	11.4	19.5
7 20	20 18.34	+10 56.2	2.199	3.107	10.0	19.4
7 30	20 8.20	+10 46.6	2.193	3.113	9.4	19.4
8 9	19 58.51	+10 15.0	2.213	3.117	10.0	19.4
8 19	19 50.05	+ 9 25.3	2.258	3.119	11.5	19.5
8 29	19 43.43	+ 8 22.7	2.326	3.121	13.3	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
277568 2005 YR_{172}			7 24.0	212°.27	6°.2/19.7	18
	h m	° ′			°	m
6 20	20 43.42	−34 27.0	2.104	2.970	12.2	21.0
6 30	20 37.34	−35 52.2	2.034	2.964	9.6	20.8
7 10	20 28.86	−37 13.5	1.988	2.958	7.2	20.7
7 20	20 18.64	−38 23.8	1.968	2.950	6.2	20.6
7 30	20 7.71	−39 16.4	1.975	2.943	7.3	20.7
8 9	19 57.30	−39 47.9	2.009	2.934	9.8	20.8
8 19	19 48.53	−39 58.2	2.066	2.925	12.5	20.9
8 29	19 42.27	−39 49.8	2.144	2.916	15.0	21.1
216071 2006 QE_{25}			7 24.0	325°.83	0°.7/23.8	18
6 20	20 34.54	−18 35.2	1.104	2.009	17.9	19.9
6 30	20 31.93	−19 7.2	1.027	1.986	13.5	19.5
7 10	20 26.18	−19 52.7	0.968	1.965	8.3	19.2
7 20	20 17.97	−20 46.9	0.929	1.944	2.4	18.8
7 30	20 8.63	−21 42.6	0.913	1.924	4.0	18.8
8 9	19 59.88	−22 32.2	0.919	1.906	10.1	19.1
8 19	19 53.33	−23 10.3	0.945	1.888	15.7	19.3
8 29	19 50.23	−23 34.3	0.988	1.873	20.6	19.6
291464 2006 DH_{64}			7 24.0	212°.91	6°.6/20.1	18
6 20	20 44.46	−36 28.9	2.062	2.925	12.5	20.7
6 30	20 38.11	−37 35.8	1.993	2.920	9.9	20.6
7 10	20 29.30	−38 36.3	1.949	2.914	7.6	20.4
7 20	20 18.75	−39 23.5	1.929	2.908	6.6	20.3
7 30	20 7.60	−39 51.6	1.937	2.901	7.6	20.4
8 9	19 57.11	−39 58.2	1.969	2.894	10.0	20.5
8 19	19 48.40	−39 44.3	2.026	2.887	12.6	20.7
8 29	19 42.31	−39 13.1	2.103	2.879	15.1	20.8
425676 2011 AC_2			7 24.0	145°.35	1°.7/23.2	17
6 20	20 42.46	−22 22.7	1.891	2.760	13.2	22.1
6 30	20 36.33	−23 0.0	1.827	2.769	9.8	21.9
7 10	20 28.06	−23 40.9	1.787	2.777	5.9	21.6
7 20	20 18.36	−24 20.6	1.772	2.785	2.2	21.4
7 30	20 8.24	−24 54.7	1.786	2.792	3.4	21.5
8 9	19 58.81	−25 19.9	1.827	2.799	7.3	21.8
8 19	19 51.02	−25 34.8	1.893	2.806	10.9	22.0
8 29	19 45.59	−25 39.7	1.981	2.811	14.0	22.2
254966 2005 SL_{226}			7 24.0	271°.75	1°.0/24.6	18
6 20	20 36.69	−15 42.4	2.239	3.097	11.8	21.6
6 30	20 31.89	−15 52.7	2.151	3.085	8.9	21.4
7 10	20 25.35	−16 10.3	2.087	3.073	5.6	21.2
7 20	20 17.58	−16 33.2	2.049	3.061	2.0	20.9
7 30	20 9.33	−16 58.9	2.038	3.049	2.3	20.9
8 9	20 1.47	−17 24.7	2.056	3.036	5.9	21.1
8 19	19 54.76	−17 48.2	2.099	3.024	9.4	21.3
8 29	19 49.87	−18 7.7	2.166	3.011	12.4	21.5
48009 2001 BK_{69}			7 24.0	130°.28	1°.3/23.4	17
6 20	20 42.96	−21 0.5	1.705	2.577	14.3	19.6
6 30	20 36.86	−21 39.2	1.646	2.589	10.6	19.4
7 10	20 28.44	−22 23.0	1.608	2.600	6.3	19.2
7 20	20 18.48	−23 7.1	1.597	2.610	2.1	18.9
7 30	20 8.09	−23 46.2	1.612	2.620	3.3	19.1
8 9	19 58.49	−24 16.6	1.655	2.630	7.6	19.3
8 19	19 50.70	−24 36.6	1.722	2.639	11.5	19.6
8 29	19 45.45	−24 46.2	1.811	2.648	14.8	19.8
511863 2015 GS_{14}			7 24.0	46°.22	2°.3/25.1	17
6 20	20 38.20	−13 9.3	1.514	2.384	15.9	21.3
6 30	20 33.45	−13 15.0	1.457	2.395	12.0	21.0
7 10	20 26.42	−13 33.2	1.420	2.406	7.7	20.8
7 20	20 17.90	−14 1.4	1.407	2.418	3.4	20.6
7 30	20 8.97	−14 36.0	1.420	2.430	3.3	20.6
8 9	20 0.84	−15 12.6	1.458	2.442	7.4	20.9
8 19	19 54.48	−15 47.5	1.520	2.454	11.5	21.2
8 29	19 50.61	−16 17.8	1.603	2.467	15.1	21.4
107188 2001 BB_{27}			7 24.0	92°.14	0°.6/24.4	18
6 20	20 38.17	−14 25.6	1.847	2.710	13.8	19.1
6 30	20 33.16	−15 21.5	1.786	2.722	10.3	18.9
7 10	20 26.15	−16 28.9	1.747	2.735	6.3	18.7
7 20	20 17.82	−17 43.2	1.734	2.747	2.0	18.4
7 30	20 9.07	−18 58.9	1.748	2.759	2.5	18.5
8 9	20 0.92	−20 10.5	1.790	2.771	6.6	18.8
8 19	19 54.25	−21 13.8	1.858	2.783	10.4	19.0
8 29	19 49.75	−22 6.4	1.949	2.794	13.6	19.3
323355 2003 US_{362}			7 24.0	260°.11	5°.0/21.5	17
6 20	20 42.60	−28 12.9	1.532	2.417	14.9	21.6
6 30	20 37.32	−29 21.1	1.458	2.405	11.3	21.3
7 10	20 29.13	−30 31.0	1.406	2.394	7.5	21.1
7 20	20 18.79	−31 34.5	1.378	2.381	5.0	20.9
7 30	20 7.56	−32 23.6	1.375	2.369	6.6	21.0
8 9	19 56.98	−32 53.2	1.397	2.357	10.4	21.1
8 19	19 48.44	−33 2.3	1.442	2.344	14.3	21.4
8 29	19 42.96	−32 53.0	1.506	2.331	17.9	21.6

94368 2001 RN_{78} 7 24.1 241.°44 2.°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.05	−12 28.0	1.532	2.395	16.1	20.3
6 30	20 35.86	−12 39.0	1.451	2.385	12.4	20.0
7 10	20 28.12	−13 4.1	1.390	2.374	8.1	19.8
7 20	20 18.47	−13 41.2	1.353	2.363	3.6	19.5
7 30	20 8.04	−14 26.5	1.342	2.351	3.5	19.4
8 9	19 58.13	−15 14.7	1.356	2.339	8.0	19.7
8 19	19 49.96	−16 1.5	1.394	2.326	12.6	19.9
8 29	19 44.48	−16 43.2	1.454	2.313	16.7	20.1

475723 2006 WG_{33} 7 24.1 234.°68 3.°7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.67	−28 29.0	2.249	3.121	11.3	22.0
6 30	20 33.50	−29 29.2	2.175	3.116	8.5	21.8
7 10	20 26.38	−30 29.5	2.126	3.111	5.6	21.7
7 20	20 17.91	−31 24.6	2.103	3.105	3.8	21.5
7 30	20 8.92	−32 9.6	2.108	3.100	4.9	21.6
8 9	20 0.39	−32 41.2	2.140	3.094	7.7	21.8
8 19	19 53.19	−32 58.4	2.197	3.088	10.6	21.9
8 29	19 48.05	−33 2.0	2.276	3.082	13.2	22.1

245602 2005 WR_{1} 7 24.1 167.°64 5.°2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.21	−38 51.7	2.797	3.641	10.2	20.5
6 30	20 38.58	−39 8.5	2.730	3.644	8.1	20.4
7 10	20 29.17	−39 16.6	2.688	3.646	6.2	20.2
7 20	20 18.66	−39 12.1	2.673	3.649	5.2	20.2
7 30	20 7.95	−38 52.7	2.687	3.651	5.8	20.2
8 9	19 57.96	−38 18.2	2.728	3.653	7.6	20.3
8 19	19 49.47	−37 30.3	2.796	3.654	9.6	20.5
8 29	19 43.04	−36 32.2	2.887	3.655	11.6	20.6

438267 2005 XC_{75} 7 24.1 287.°11 2.°5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.28	−25 27.1	2.236	3.109	11.3	21.1
6 30	20 32.44	−26 7.0	2.155	3.099	8.4	20.9
7 10	20 25.73	−26 48.6	2.099	3.089	5.2	20.7
7 20	20 17.72	−27 27.6	2.069	3.079	2.7	20.5
7 30	20 9.22	−28 0.1	2.067	3.069	3.8	20.6
8 9	20 1.15	−28 23.0	2.092	3.059	6.9	20.7
8 19	19 54.36	−28 35.1	2.142	3.049	10.1	20.9
8 29	19 49.52	−28 36.5	2.215	3.039	12.9	21.1

505791 2015 BC_{302} 7 24.1 104.°17 4.°1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.30	−28 1.3	1.786	2.664	13.5	21.5
6 30	20 36.41	−29 2.5	1.733	2.676	10.1	21.3
7 10	20 28.18	−30 2.9	1.703	2.689	6.6	21.1
7 20	20 18.43	−30 56.0	1.698	2.702	4.2	21.0
7 30	20 8.26	−31 36.2	1.720	2.714	5.4	21.1
8 9	19 58.89	−32 0.3	1.768	2.726	8.6	21.3
8 19	19 51.35	−32 8.1	1.840	2.738	11.9	21.5
8 29	19 46.37	−32 1.4	1.933	2.749	14.8	21.8

44703 1999 SX_{10} 7 24.1 179.°08 1.°4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.79	−19 54.3	1.614	2.491	14.7	18.9
6 30	20 35.53	−20 49.4	1.546	2.491	10.9	18.7
7 10	20 27.82	−21 52.8	1.500	2.492	6.6	18.5
7 20	20 18.37	−22 58.7	1.478	2.492	2.1	18.2
7 30	20 8.29	−24 0.7	1.484	2.492	3.6	18.3
8 9	19 58.87	−24 53.3	1.516	2.492	8.1	18.6
8 19	19 51.23	−25 33.3	1.572	2.491	12.3	18.8
8 29	19 46.22	−25 59.9	1.649	2.490	15.8	19.0

93837 2000 WW_{82} 7 24.1 271.°98 0.°5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.61	−17 37.3	1.953	2.816	13.1	19.9
6 30	20 35.21	−17 45.9	1.853	2.791	9.9	19.6
7 10	20 27.60	−18 1.2	1.776	2.765	6.1	19.3
7 20	20 18.33	−18 21.0	1.725	2.739	2.0	19.0
7 30	20 8.29	−18 42.2	1.702	2.712	2.6	19.0
8 9	19 58.57	−19 1.5	1.705	2.685	7.0	19.2
8 19	19 50.21	−19 16.8	1.734	2.657	11.1	19.4
8 29	19 44.06	−19 26.9	1.786	2.629	14.7	19.6

82269 2001 KV_{16} 7 24.1 8.°22 1.°5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.30	−19 8.8	1.201	2.099	17.2	18.9
6 30	20 32.77	−20 9.7	1.143	2.099	12.8	18.7
7 10	20 26.39	−21 22.5	1.105	2.101	7.6	18.4
7 20	20 17.98	−22 40.1	1.089	2.103	2.4	18.1
7 30	20 8.88	−23 53.8	1.097	2.106	4.1	18.2
8 9	20 0.64	−24 56.1	1.128	2.110	9.4	18.5
8 19	19 54.57	−25 42.6	1.181	2.115	14.2	18.8
8 29	19 51.60	−26 12.1	1.253	2.120	18.3	19.1

48361 2022 $T\text{-}_{2}$ 7 24.1 279.°37 4.°9/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.20	− 7 34.2	1.544	2.396	16.6	19.1
6 30	20 33.70	− 7 24.9	1.460	2.383	13.2	18.9
7 10	20 26.79	− 7 32.9	1.397	2.370	9.3	18.6
7 20	20 18.10	− 7 58.3	1.357	2.357	5.8	18.4
7 30	20 8.65	− 8 38.8	1.341	2.343	5.2	18.3
8 9	19 59.67	− 9 30.2	1.351	2.330	8.4	18.5
8 19	19 52.30	−10 27.2	1.384	2.317	12.5	18.7
8 29	19 47.46	−11 24.4	1.438	2.304	16.4	18.9

124622 2001 SD_{52} 7 24.1 247.°91 1.°8/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.40	−13 21.8	1.449	2.319	16.5	20.3
6 30	20 35.52	−13 47.0	1.371	2.310	12.6	20.0
7 10	20 27.97	−14 27.2	1.313	2.300	8.0	19.8
7 20	20 18.47	−15 19.4	1.279	2.291	3.2	19.5
7 30	20 8.14	−16 18.3	1.270	2.281	3.3	19.4
8 9	19 58.39	−17 17.9	1.287	2.271	8.2	19.7
8 19	19 50.46	−18 12.9	1.327	2.260	13.0	19.9
8 29	19 45.34	−18 59.8	1.388	2.250	17.2	20.2

354024 2001 QU_{176} 7 24.1 288.°32 0.°9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.05	−15 51.8	1.982	2.846	12.9	21.8
6 30	20 32.36	−16 6.4	1.900	2.838	9.7	21.6
7 10	20 25.73	−16 29.3	1.842	2.830	6.0	21.4
7 20	20 17.75	−16 58.1	1.809	2.822	2.1	21.1
7 30	20 9.26	−17 29.8	1.803	2.814	2.5	21.1
8 9	20 1.22	−18 0.9	1.824	2.806	6.4	21.3
8 19	19 54.52	−18 28.8	1.871	2.798	10.2	21.5
8 29	19 49.85	−18 51.5	1.940	2.791	13.4	21.7

70296 1999 RZ_{127} 7 24.1 181.°89 0.°1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.99	−18 49.8	1.659	2.529	14.7	18.8
6 30	20 37.02	−18 59.5	1.588	2.530	11.0	18.6
7 10	20 28.64	−19 15.6	1.540	2.530	6.7	18.4
7 20	20 18.61	−19 34.7	1.516	2.530	2.0	18.1
7 30	20 8.03	−19 53.1	1.519	2.529	2.9	18.1
8 9	19 58.18	−20 7.7	1.548	2.528	7.5	18.4
8 19	19 50.12	−20 16.6	1.602	2.527	11.7	18.7
8 29	19 44.65	−20 19.4	1.678	2.525	15.3	18.9

239554 2008 SG_{147} 7 24.1 280.°13 2.°9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.23	−27 7.4	1.745	2.621	13.8	20.6
6 30	20 37.24	−27 17.8	1.670	2.614	10.4	20.4
7 10	20 28.79	−27 26.7	1.618	2.607	6.5	20.1
7 20	20 18.65	−27 29.6	1.590	2.600	3.2	19.9
7 30	20 7.97	−27 22.7	1.590	2.593	4.4	20.0
8 9	19 58.04	−27 4.5	1.615	2.586	8.2	20.2
8 19	19 49.94	−26 35.6	1.665	2.579	12.0	20.4
8 29	19 44.49	−25 58.1	1.737	2.572	15.4	20.6

187693 2008 DG_{58} 7 24.1 187.°48 4.°0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.98	−31 7.7	2.308	3.176	11.2	20.8
6 30	20 35.07	−31 41.0	2.239	3.175	8.5	20.6
7 10	20 27.25	−32 10.8	2.194	3.175	5.8	20.5
7 20	20 18.16	−32 32.9	2.175	3.174	4.0	20.4
7 30	20 8.70	−32 43.6	2.184	3.174	4.9	20.4
8 9	19 59.82	−32 41.2	2.220	3.173	7.5	20.6
8 19	19 52.38	−32 26.1	2.282	3.172	10.3	20.8
8 29	19 47.03	−32 0.0	2.366	3.170	12.8	20.9

255423 2005 XB_{61} 7 24.1 281.°66 0.°3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.57	−17 35.3	2.272	3.134	11.6	20.9
6 30	20 31.87	−17 55.3	2.178	3.116	8.7	20.6
7 10	20 25.40	−18 21.9	2.108	3.097	5.3	20.4
7 20	20 17.66	−18 52.7	2.065	3.079	1.6	20.1
7 30	20 9.39	−19 24.5	2.049	3.060	2.2	20.1
8 9	20 1.43	−19 54.4	2.061	3.041	6.0	20.4
8 19	19 54.61	−20 20.0	2.100	3.022	9.5	20.5
8 29	19 49.59	−20 39.9	2.161	3.003	12.6	20.7

95990 2004 NC_{7} 7 24.1 338.°27 5.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 32.46	− 1 15.0	1.817	2.643	15.5	18.7
6 30	20 29.10	− 1 38.9	1.732	2.632	12.7	18.4
7 10	20 23.84	− 2 25.4	1.667	2.622	9.6	18.2
7 20	20 17.22	− 3 34.1	1.625	2.612	6.8	18.0
7 30	20 10.04	− 5 2.2	1.609	2.602	5.8	18.0
8 9	20 3.24	− 6 43.7	1.618	2.594	7.7	18.1
8 19	19 57.70	− 8 31.4	1.653	2.586	10.9	18.2
8 29	19 54.16	−10 18.2	1.711	2.579	14.1	18.4

169451 2002 BF_{22} 7 24.1 76.°12 5.°0/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.20	−29 50.7	1.310	2.196	16.9	19.7
6 30	20 40.58	−30 24.0	1.263	2.211	12.7	19.5
7 10	20 30.89	−30 52.8	1.237	2.225	8.3	19.3
7 20	20 19.25	−31 10.0	1.235	2.240	5.2	19.1
7 30	20 7.27	−31 10.1	1.257	2.254	6.4	19.3
8 9	19 56.65	−30 51.8	1.303	2.269	10.3	19.5
8 19	19 48.65	−30 17.6	1.372	2.284	14.3	19.8
8 29	19 44.02	−29 31.7	1.460	2.298	17.7	20.1

305261 2007 YO_{23} 7 24.1 231.°03 1.°3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.49	−21 59.5	2.111	2.981	12.0	21.3
6 30	20 33.33	−22 28.1	2.036	2.978	8.9	21.1
7 10	20 26.27	−23 0.3	1.984	2.975	5.4	20.9
7 20	20 17.91	−23 32.4	1.958	2.971	1.8	20.7
7 30	20 9.09	−24 0.8	1.960	2.968	2.9	20.7
8 9	20 0.78	−24 22.6	1.990	2.964	6.6	21.0
8 19	19 53.83	−24 36.2	2.045	2.961	10.0	21.2
8 29	19 48.90	−24 41.3	2.123	2.957	13.0	21.4

505392 2013 PF_{38} 7 24.1 14°.22 1°.6/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.44	−22 30.0	0.953	1.866	19.3	20.1
6 30	20 34.00	−22 33.4	0.907	1.871	14.3	19.9
7 10	20 27.22	−22 41.6	0.879	1.877	8.6	19.6
7 20	20 18.23	−22 49.5	0.870	1.885	2.8	19.3
7 30	20 8.72	−22 52.0	0.883	1.894	4.3	19.4
8 9	20 0.51	−22 45.9	0.918	1.905	10.0	19.8
8 19	19 54.99	−22 30.6	0.972	1.917	15.2	20.1
8 29	19 52.98	−22 7.1	1.044	1.931	19.6	20.4

196491 2003 KJ_{17} 7 24.1 347°.13 16°.4/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 30.79	+ 7 25.7	1.148	1.970	22.9	18.2
6 30	20 28.74	+ 9 38.5	1.081	1.954	20.7	17.9
7 10	20 24.05	+11 23.4	1.030	1.939	18.5	17.8
7 20	20 17.37	+12 30.9	0.996	1.927	16.9	17.6
7 30	20 9.82	+12 54.3	0.979	1.916	16.4	17.5
8 9	20 2.85	+12 32.9	0.979	1.907	17.2	17.6
8 19	19 57.74	+11 32.2	0.996	1.901	19.0	17.7
8 29	19 55.55	+10 2.5	1.030	1.897	21.4	17.8

42752 1998 SV_{55} 7 24.1 243°.32 0°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.07	−16 54.3	2.564	3.420	10.6	19.3
6 30	20 31.25	−17 10.5	2.478	3.412	7.9	19.1
7 10	20 24.90	−17 32.5	2.416	3.404	4.9	18.9
7 20	20 17.50	−17 58.3	2.382	3.395	1.6	18.6
7 30	20 9.71	−18 25.3	2.376	3.386	2.0	18.7
8 9	20 2.28	−18 51.2	2.398	3.377	5.3	18.9
8 19	19 55.85	−19 13.9	2.447	3.368	8.4	19.1
8 29	19 51.02	−19 32.2	2.520	3.359	11.1	19.2

55944 1998 HP_{18} 7 24.1 40°.66 5°.0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.09	−32 39.3	1.990	2.864	12.5	19.1
6 30	20 35.42	−33 18.2	1.930	2.868	9.6	18.9
7 10	20 27.57	−33 52.2	1.892	2.872	6.7	18.8
7 20	20 18.29	−34 16.0	1.881	2.876	5.0	18.7
7 30	20 8.63	−34 25.5	1.895	2.881	6.0	18.8
8 9	19 59.73	−34 18.9	1.936	2.886	8.6	18.9
8 19	19 52.53	−33 57.3	2.001	2.890	11.5	19.1
8 29	19 47.71	−33 23.1	2.087	2.896	14.1	19.3

517005 2012 TV_{123} 7 24.1 238°.14 1°.0/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.63	−20 25.4	2.794	3.647	9.9	23.2
6 30	20 33.92	−21 14.7	2.693	3.627	7.4	23.0
7 10	20 26.57	−22 9.1	2.617	3.606	4.4	22.8
7 20	20 18.03	−23 5.2	2.571	3.584	1.5	22.5
7 30	20 8.92	−23 59.4	2.554	3.561	2.5	22.6
8 9	20 0.02	−24 48.2	2.567	3.537	5.6	22.7
8 19	19 52.05	−25 29.3	2.608	3.512	8.6	22.9
8 29	19 45.64	−26 1.5	2.674	3.487	11.3	23.0

508644 2017 TZ_{10} 7 24.1 270°.05 1°.6/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.58	−22 20.3	1.513	2.394	15.3	21.4
6 30	20 37.18	−22 38.4	1.433	2.380	11.5	21.2
7 10	20 29.01	−23 1.0	1.374	2.366	7.0	20.9
7 20	20 18.81	−23 23.3	1.339	2.352	2.4	20.6
7 30	20 7.80	−23 40.6	1.329	2.338	3.8	20.6
8 9	19 57.43	−23 49.2	1.345	2.323	8.6	20.9
8 19	19 48.99	−23 47.8	1.384	2.309	13.2	21.1
8 29	19 43.46	−23 36.9	1.444	2.294	17.2	21.3

267743 2003 FQ_{117} 7 24.1 107°.89 1°.6/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.18	−13 5.7	1.727	2.588	14.7	20.7
6 30	20 34.03	−13 35.2	1.663	2.597	11.1	20.5
7 10	20 26.76	−14 17.0	1.621	2.606	7.0	20.2
7 20	20 18.08	−15 7.8	1.604	2.615	2.8	20.0
7 30	20 8.95	−16 3.2	1.614	2.624	2.8	20.0
8 9	20 0.48	−16 58.2	1.650	2.633	6.9	20.3
8 19	19 53.59	−17 48.8	1.712	2.641	10.8	20.6
8 29	19 49.00	−18 32.2	1.796	2.649	14.2	20.8

386103 2007 RZ_{40} 7 24.1 356°.95 22°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 7.50	−59 1.9	0.960	1.799	25.2	19.5
6 30	20 59.85	−60 47.5	0.928	1.797	23.6	19.4
7 10	20 44.32	−61 54.4	0.909	1.796	22.4	19.3
7 20	20 23.35	−62 2.1	0.904	1.795	22.1	19.3
7 30	20 1.83	−60 59.4	0.913	1.795	22.7	19.4
8 9	19 44.72	−58 51.6	0.938	1.795	24.0	19.5
8 19	19 34.52	−55 55.5	0.976	1.796	25.9	19.6
8 29	19 31.47	−52 30.6	1.029	1.798	27.8	19.8

448681 2010 WF_{4} 7 24.1 36°.63 4°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.48	− 5 10.4	2.223	3.049	13.1	21.1
6 30	20 30.89	− 4 50.8	2.149	3.051	10.5	20.9
7 10	20 24.71	− 4 44.4	2.096	3.054	7.7	20.8
7 20	20 17.46	− 4 51.4	2.069	3.057	5.4	20.6
7 30	20 9.87	− 5 10.7	2.068	3.060	4.9	20.6
8 9	20 2.71	− 5 39.9	2.093	3.063	6.7	20.7
8 19	19 56.69	− 6 15.8	2.144	3.066	9.4	20.9
8 29	19 52.39	− 6 55.1	2.219	3.069	12.0	21.1

212970 2009 BY_{109} 7 24.1 235°.43 2°.5/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.60	−11 58.1	1.537	2.399	16.1	21.0
6 30	20 35.53	−12 15.0	1.457	2.391	12.4	20.8
7 10	20 27.93	−12 46.9	1.399	2.383	8.1	20.5
7 20	20 18.50	−13 31.4	1.364	2.374	3.7	20.2
7 30	20 8.30	−14 24.4	1.355	2.365	3.5	20.2
8 9	19 58.66	−15 20.3	1.372	2.355	7.9	20.4
8 19	19 50.73	−16 14.1	1.413	2.345	12.4	20.6
8 29	19 45.46	−17 2.1	1.475	2.335	16.4	20.9

200236 1999 VW_{30} 7 24.1 265°.69 2°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.25	−24 56.9	1.993	2.867	12.5	20.5
6 30	20 34.97	−25 39.9	1.905	2.849	9.3	20.3
7 10	20 27.47	−26 25.9	1.841	2.830	5.8	20.0
7 20	20 18.35	−27 9.8	1.802	2.812	2.9	19.8
7 30	20 8.53	−27 46.6	1.791	2.793	4.1	19.9
8 9	19 59.12	−28 12.7	1.806	2.774	7.8	20.1
8 19	19 51.15	−28 26.4	1.847	2.754	11.4	20.2
8 29	19 45.47	−28 28.0	1.909	2.734	14.6	20.4

174320 2002 TT_{109} 7 24.1 297°.06 1°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.22	−14 15.1	1.868	2.731	13.6	20.1
6 30	20 32.90	−14 51.6	1.762	2.699	10.4	19.8
7 10	20 26.36	−15 41.2	1.678	2.665	6.6	19.6
7 20	20 18.08	−16 41.5	1.619	2.632	2.4	19.2
7 30	20 8.89	−17 47.9	1.587	2.598	2.7	19.2
8 9	19 59.87	−18 55.1	1.582	2.564	7.2	19.4
8 19	19 52.10	−19 58.2	1.603	2.530	11.5	19.5
8 29	19 46.52	−20 53.4	1.645	2.496	15.4	19.7

7535 1995 WU_{2} 7 24.1 214°.26 3°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.83	−27 33.4	2.324	3.195	11.0	17.8
6 30	20 33.51	−28 13.6	2.251	3.192	8.2	17.7
7 10	20 26.37	−28 53.5	2.203	3.190	5.3	17.5
7 20	20 17.98	−29 28.8	2.181	3.187	3.1	17.3
7 30	20 9.18	−29 55.7	2.187	3.184	4.2	17.4
8 9	20 0.86	−30 11.8	2.220	3.181	7.0	17.6
8 19	19 53.85	−30 16.2	2.279	3.178	9.9	17.7
8 29	19 48.79	−30 9.8	2.360	3.174	12.5	17.9

256888 2008 DS_{38} 7 24.1 46°.86 5°.6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.00	− 2 34.7	2.059	2.879	14.2	20.2
6 30	20 30.63	− 2 24.1	1.991	2.886	11.5	20.0
7 10	20 24.59	− 2 30.1	1.944	2.894	8.7	19.8
7 20	20 17.45	− 2 52.8	1.920	2.902	6.3	19.7
7 30	20 9.97	− 3 30.6	1.923	2.911	5.7	19.7
8 9	20 2.97	− 4 20.0	1.952	2.919	7.3	19.8
8 19	19 57.19	− 5 16.8	2.006	2.928	9.9	20.0
8 29	19 53.22	− 6 16.5	2.083	2.937	12.5	20.2

131725 2001 YB_{86} 7 24.1 182°.72 1°.9/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.76	−22 16.1	1.592	2.468	14.9	20.9
6 30	20 37.80	−22 52.6	1.524	2.469	11.1	20.7
7 10	20 29.24	−23 33.9	1.477	2.469	6.7	20.4
7 20	20 18.87	−24 14.7	1.456	2.469	2.5	20.1
7 30	20 7.90	−24 49.2	1.461	2.468	3.8	20.2
8 9	19 57.67	−25 13.7	1.492	2.467	8.3	20.5
8 19	19 49.37	−25 26.4	1.547	2.465	12.5	20.8
8 29	19 43.85	−25 27.8	1.623	2.463	16.1	21.0

243410 2009 BN_{88} 7 24.1 288°.07 1°.1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.89	−14 23.9	1.880	2.744	13.5	20.6
6 30	20 32.35	−14 53.9	1.802	2.738	10.2	20.4
7 10	20 25.81	−15 34.9	1.746	2.733	6.4	20.2
7 20	20 17.85	−16 23.8	1.715	2.728	2.4	19.9
7 30	20 9.36	−17 16.7	1.712	2.722	2.5	19.9
8 9	20 1.33	−18 9.0	1.735	2.717	6.6	20.2
8 19	19 54.69	−18 56.9	1.784	2.712	10.5	20.4
8 29	19 50.16	−19 37.7	1.855	2.707	13.9	20.6

509984 2009 UT_{49} 7 24.1 316°.16 1°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.33	−20 31.9	1.292	2.187	16.5	21.1
6 30	20 33.75	−20 58.8	1.208	2.163	12.4	20.8
7 10	20 27.21	−21 34.6	1.144	2.139	7.6	20.5
7 20	20 18.39	−22 14.8	1.102	2.116	2.4	20.1
7 30	20 8.50	−22 52.9	1.084	2.094	3.9	20.1
8 9	19 59.12	−23 23.5	1.089	2.072	9.5	20.4
8 19	19 51.75	−23 43.0	1.116	2.051	14.7	20.6
8 29	19 47.52	−23 50.2	1.161	2.031	19.2	20.8

202211 2004 XV_{106} 7 24.1 270°.95 0°.9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.18	−21 3.2	1.824	2.697	13.5	20.5
6 30	20 34.95	−21 20.4	1.741	2.685	10.0	20.3
7 10	20 27.46	−21 42.3	1.681	2.672	6.1	20.0
7 20	20 18.36	−22 5.2	1.646	2.660	1.9	19.7
7 30	20 8.63	−22 25.4	1.638	2.647	3.0	19.8
8 9	19 59.42	−22 39.8	1.656	2.634	7.3	20.0
8 19	19 51.76	−22 46.6	1.699	2.621	11.3	20.2
8 29	19 46.47	−22 45.6	1.764	2.608	14.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480643 2015 NQ_{16}			7 24.1	14°.52	0°.3/24.2	16
	h m	° ′			°	m
6 20	20 36.13	−17 13.3	1.826	2.699	13.4	20.7
6 30	20 31.76	−17 38.6	1.759	2.702	10.0	20.5
7 10	20 25.41	−18 12.1	1.714	2.704	6.1	20.3
7 20	20 17.72	−18 50.5	1.693	2.707	1.9	20.0
7 30	20 9.60	−19 29.7	1.700	2.711	2.5	20.1
8 9	20 2.05	−20 6.0	1.733	2.715	6.7	20.4
8 19	19 55.96	−20 36.5	1.790	2.719	10.5	20.6
8 29	19 52.01	−20 59.7	1.870	2.724	13.7	20.8
376179 2011 CB_{31}			7 24.1	173°.21	0°.1/24.1	17
6 20	20 41.03	−17 43.2	1.902	2.765	13.4	22.2
6 30	20 35.35	−18 12.8	1.830	2.768	10.0	22.0
7 10	20 27.58	−18 50.1	1.781	2.770	6.1	21.7
7 20	20 18.37	−19 31.3	1.758	2.771	1.8	21.5
7 30	20 8.67	−20 12.2	1.762	2.772	2.6	21.5
8 9	19 59.54	−20 49.0	1.794	2.773	6.8	21.8
8 19	19 51.93	−21 19.1	1.852	2.773	10.6	22.0
8 29	19 46.56	−21 41.3	1.932	2.773	13.9	22.2
52145 6832 *P–L*			7 24.1	45°.95	1°.5/23.5	17
6 20	20 40.84	−21 12.8	1.265	2.157	17.0	18.5
6 30	20 35.84	−21 42.0	1.217	2.170	12.5	18.3
7 10	20 28.08	−22 17.2	1.190	2.185	7.5	18.0
7 20	20 18.51	−22 52.8	1.186	2.199	2.4	17.7
7 30	20 8.54	−23 23.1	1.205	2.215	3.8	17.9
8 9	19 59.67	−23 43.8	1.249	2.230	8.8	18.2
8 19	19 53.05	−23 53.6	1.316	2.246	13.3	18.5
8 29	19 49.44	−23 52.7	1.402	2.263	17.0	18.8
465629 2009 HC_{38}			7 24.1	20°.96	0°.4/24.3	17
6 20	20 36.87	−15 7.4	1.143	2.036	18.3	20.8
6 30	20 33.25	−15 59.4	1.088	2.041	13.7	20.5
7 10	20 26.73	−17 8.2	1.051	2.045	8.4	20.2
7 20	20 18.18	−18 27.8	1.037	2.051	2.6	19.9
7 30	20 8.97	−19 49.5	1.046	2.057	3.4	20.0
8 9	20 0.66	−21 4.9	1.078	2.064	9.0	20.3
8 19	19 54.57	−22 7.9	1.132	2.072	14.1	20.7
8 29	19 51.61	−22 55.5	1.205	2.080	18.3	20.9
509570 2008 CQ_{79}			7 24.1	136°.31	3°.0/22.4	17
6 20	20 40.92	−28 36.1	2.416	3.282	10.9	22.4
6 30	20 34.89	−29 3.0	2.352	3.290	8.1	22.2
7 10	20 27.10	−29 27.8	2.313	3.298	5.2	22.0
7 20	20 18.20	−29 46.9	2.300	3.305	3.1	21.9
7 30	20 9.00	−29 57.1	2.316	3.312	4.0	22.0
8 9	20 0.39	−29 57.0	2.359	3.319	6.7	22.2
8 19	19 53.14	−29 46.6	2.429	3.326	9.5	22.4
8 29	19 47.83	−29 27.1	2.521	3.332	11.9	22.5
437492 2013 YP_{60}			7 24.1	54°.75	2°.7/22.6	16
6 20	20 39.47	−24 1.7	1.672	2.554	14.0	21.2
6 30	20 34.47	−24 52.6	1.613	2.561	10.4	20.9
7 10	20 27.14	−25 46.8	1.577	2.568	6.4	20.7
7 20	20 18.25	−26 38.4	1.565	2.576	3.0	20.5
7 30	20 8.90	−27 21.7	1.580	2.584	4.3	20.6
8 9	20 0.29	−27 52.8	1.621	2.592	8.2	20.9
8 19	19 53.45	−28 10.3	1.685	2.600	11.9	21.1
8 29	19 49.12	−28 14.7	1.771	2.608	15.1	21.4
398247 2010 RK_{115}			7 24.1	25°.92	3°.7/26.2	18
6 20	20 35.97	− 8 26.1	2.144	2.984	13.0	21.3
6 30	20 31.33	− 8 14.9	2.070	2.985	10.2	21.1
7 10	20 25.03	− 8 15.5	2.017	2.987	7.1	20.9
7 20	20 17.61	− 8 27.3	1.990	2.989	4.4	20.8
7 30	20 9.82	− 8 48.9	1.990	2.991	4.0	20.7
8 9	20 2.48	− 9 17.6	2.016	2.993	6.4	20.9
8 19	19 56.34	− 9 50.3	2.069	2.995	9.4	21.1
8 29	19 52.00	−10 24.0	2.144	2.997	12.3	21.3
149125 2002 EQ_{24}			7 24.1	199°.05	0°.7/24.6	18
6 20	20 36.57	−15 58.6	2.478	3.333	11.0	21.1
6 30	20 31.64	−16 16.1	2.399	3.331	8.2	20.9
7 10	20 25.17	−16 40.2	2.343	3.330	5.1	20.7
7 20	20 17.65	−17 8.8	2.315	3.327	1.8	20.5
7 30	20 9.76	−17 39.2	2.315	3.325	2.0	20.5
8 9	20 2.27	−18 8.8	2.343	3.323	5.4	20.7
8 19	19 55.84	−18 35.5	2.398	3.320	8.5	20.9
8 29	19 51.06	−18 57.8	2.477	3.317	11.2	21.1
37832 1998 BA_{38}			7 24.1	48°.25	0°.1/24.1	18
6 20	20 38.92	−15 47.4	1.262	2.148	17.4	17.9
6 30	20 34.55	−16 44.2	1.206	2.155	13.0	17.6
7 10	20 27.42	−17 55.8	1.170	2.163	7.9	17.4
7 20	20 18.38	−19 15.8	1.158	2.172	2.3	17.1
7 30	20 8.74	−20 36.0	1.169	2.180	3.3	17.2
8 9	19 59.97	−21 48.7	1.206	2.189	8.7	17.5
8 19	19 53.32	−22 48.8	1.265	2.199	13.4	17.8
8 29	19 49.66	−23 33.8	1.344	2.208	17.4	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385586 2004 XB_{78}			7 24.1	216°.04	1°.0/23.5	17
	h m	° ′			°	m
6 20	20 40.37	−21 10.6	2.196	3.060	11.8	22.2
6 30	20 34.73	−21 38.0	2.114	3.053	8.8	21.9
7 10	20 27.16	−22 9.4	2.056	3.046	5.3	21.7
7 20	20 18.27	−22 41.5	2.024	3.038	1.7	21.5
7 30	20 8.87	−23 10.6	2.021	3.029	2.7	21.5
8 9	19 59.92	−23 33.8	2.046	3.020	6.4	21.7
8 19	19 52.27	−23 49.4	2.097	3.011	9.9	21.9
8 29	19 46.64	−23 57.0	2.171	3.001	12.9	22.1
435810 2008 VH_{78}			7 24.1	307°.04	0°.8/24.5	18
6 20	20 36.84	−15 47.4	1.573	2.450	15.0	20.7
6 30	20 32.85	−16 10.7	1.485	2.429	11.4	20.4
7 10	20 26.42	−16 45.9	1.417	2.407	7.1	20.1
7 20	20 18.13	−17 30.1	1.373	2.386	2.4	19.7
7 30	20 9.01	−18 18.6	1.354	2.366	2.9	19.7
8 9	20 0.29	−19 6.4	1.361	2.345	7.8	20.0
8 19	19 53.15	−19 49.1	1.391	2.325	12.5	20.2
8 29	19 48.57	−20 23.7	1.442	2.305	16.5	20.4
364663 2007 TH_{279}			7 24.1	5°.28	5°.9/26.3	17
6 20	20 38.70	− 8 14.2	1.197	2.067	19.2	19.9
6 30	20 34.46	− 7 39.8	1.135	2.067	15.2	19.7
7 10	20 27.41	− 7 24.1	1.090	2.067	10.8	19.4
7 20	20 18.40	− 7 28.1	1.067	2.068	6.9	19.2
7 30	20 8.72	− 7 50.1	1.067	2.069	6.2	19.2
8 9	19 59.88	− 8 25.7	1.089	2.071	9.7	19.4
8 19	19 53.14	− 9 9.2	1.133	2.073	14.0	19.7
8 29	19 49.41	− 9 54.7	1.196	2.076	18.1	19.9
232211 2002 GR_{147}			7 24.1	247°.44	1°.9/23.0	18
6 20	20 39.93	−22 23.3	1.914	2.787	12.9	20.4
6 30	20 34.73	−23 6.8	1.833	2.777	9.6	20.2
7 10	20 27.33	−23 55.3	1.775	2.766	5.8	19.9
7 20	20 18.36	−24 43.9	1.743	2.756	2.3	19.7
7 30	20 8.76	−25 27.6	1.739	2.745	3.6	19.7
8 9	19 59.63	−26 2.4	1.761	2.733	7.5	20.0
8 19	19 51.98	−26 26.2	1.808	2.722	11.2	20.2
8 29	19 46.62	−26 38.6	1.877	2.710	14.5	20.4
137839 2000 AM_{32}			7 24.1	115°.65	1°.3/23.5	17
6 20	20 42.48	−20 48.3	1.691	2.564	14.4	20.0
6 30	20 36.57	−21 26.8	1.634	2.577	10.6	19.8
7 10	20 28.36	−22 10.8	1.598	2.590	6.3	19.6
7 20	20 18.64	−22 55.1	1.588	2.602	2.1	19.3
7 30	20 8.51	−23 34.8	1.605	2.614	3.3	19.4
8 9	19 59.17	−24 6.0	1.649	2.625	7.5	19.7
8 19	19 51.63	−24 26.9	1.717	2.636	11.4	20.0
8 29	19 46.60	−24 37.4	1.807	2.647	14.7	20.2
133702 2003 UF_{231}			7 24.1	27°.30	7°.6/21.1	17
6 20	20 42.63	−35 32.9	1.414	2.300	15.8	18.8
6 30	20 37.33	−36 27.6	1.368	2.309	12.4	18.6
7 10	20 29.06	−37 13.2	1.343	2.319	9.2	18.5
7 20	20 18.87	−37 41.6	1.340	2.329	7.6	18.4
7 30	20 8.26	−37 46.8	1.361	2.340	8.7	18.5
8 9	19 58.85	−37 27.8	1.406	2.352	11.5	18.7
8 19	19 51.88	−36 47.6	1.472	2.364	14.7	18.9
8 29	19 48.12	−35 51.1	1.557	2.377	17.6	19.2
245303 2005 EN_{16}			7 24.1	267°.27	1°.3/23.5	18
6 20	20 40.60	−22 37.3	1.897	2.770	13.0	20.3
6 30	20 35.10	−22 48.7	1.823	2.766	9.7	20.0
7 10	20 27.47	−23 2.6	1.772	2.763	5.9	19.8
7 20	20 18.40	−23 15.5	1.747	2.760	2.0	19.6
7 30	20 8.86	−23 24.2	1.749	2.757	3.1	19.6
8 9	19 59.93	−23 26.3	1.777	2.754	7.0	19.9
8 19	19 52.57	−23 21.2	1.831	2.751	10.8	20.1
8 29	19 47.49	−23 9.1	1.907	2.748	14.0	20.3
507671 2013 RC_{93}			7 24.1	284°.45	5°.5/26.6	17
6 20	20 38.06	− 6 20.9	1.562	2.409	16.6	21.4
6 30	20 33.64	− 6 4.1	1.477	2.395	13.4	21.1
7 10	20 26.84	− 6 5.0	1.413	2.381	9.7	20.9
7 20	20 18.28	− 6 24.1	1.371	2.367	6.4	20.6
7 30	20 8.95	− 7 0.1	1.353	2.353	5.8	20.6
8 9	20 0.07	− 7 48.9	1.361	2.339	8.6	20.7
8 19	19 52.77	− 8 45.4	1.392	2.324	12.6	20.9
8 29	19 47.95	− 9 44.0	1.444	2.311	16.3	21.1
350831 2002 EG_{103}			7 24.1	194°.42	6°.5/20.3	18
6 20	20 45.00	−40 49.2	2.509	3.356	11.1	20.9
6 30	20 38.12	−41 28.0	2.444	3.355	9.0	20.8
7 10	20 29.17	−41 57.2	2.403	3.354	7.3	20.7
7 20	20 18.88	−42 11.8	2.388	3.352	6.5	20.6
7 30	20 8.23	−42 8.2	2.399	3.350	7.2	20.7
8 9	19 58.30	−41 45.8	2.437	3.348	8.9	20.8
8 19	19 50.00	−41 6.2	2.499	3.346	11.0	20.9
8 29	19 43.99	−40 12.9	2.583	3.343	13.0	21.0

217334 2004 RY_{81} 7 24.1 326°.48 5°.3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 34.54	− 3 57.1	2.102	2.928	13.7	20.0
6 30	20 30.40	− 3 42.2	2.020	2.921	11.1	19.8
7 10	20 24.56	− 3 42.4	1.959	2.914	8.4	19.7
7 20	20 17.55	− 3 58.1	1.922	2.908	6.0	19.5
7 30	20 10.09	− 4 28.1	1.911	2.902	5.4	19.5
8 9	20 3.02	− 5 9.7	1.927	2.896	7.2	19.6
8 19	19 57.09	− 5 59.0	1.967	2.891	9.9	19.7
8 29	19 52.95	− 6 51.8	2.030	2.886	12.7	19.9

471713 2012 TT_{305} 7 24.1 286°.72 8°.7/28.6 16

6 20	20 36.55	+ 2 25.6	1.815	2.615	16.5	21.7
6 30	20 32.19	+ 3 6.2	1.731	2.605	14.1	21.5
7 10	20 25.80	+ 3 26.1	1.667	2.594	11.5	21.3
7 20	20 17.95	+ 3 22.6	1.624	2.584	9.4	21.1
7 30	20 9.50	+ 2 55.3	1.606	2.573	8.7	21.1
8 9	20 1.44	+ 2 6.6	1.612	2.563	9.9	21.1
8 19	19 54.71	+ 1 1.6	1.641	2.553	12.3	21.2
8 29	19 50.09	− 0 13.5	1.692	2.542	15.1	21.4

504285 2006 XY_{12} 7 24.1 129°.07 0°.4/23.9 17

6 20	20 42.36	−19 27.4	1.765	2.633	14.1	21.9
6 30	20 36.41	−19 49.7	1.702	2.643	10.4	21.7
7 10	20 28.25	−20 17.8	1.662	2.653	6.3	21.5
7 20	20 18.63	−20 47.9	1.648	2.662	1.8	21.2
7 30	20 8.61	−21 15.9	1.661	2.671	2.8	21.3
8 9	19 59.32	−21 38.5	1.700	2.679	7.1	21.6
8 19	19 51.74	−21 54.0	1.765	2.687	11.0	21.9
8 29	19 46.57	−22 1.8	1.852	2.695	14.3	22.1

182827 2002 AO_{209} 7 24.1 111°.76 4°.6/21.1 18

6 20	20 39.61	−31 33.1	2.216	3.088	11.5	20.1
6 30	20 34.25	−32 31.0	2.153	3.091	8.7	19.9
7 10	20 26.92	−33 25.9	2.114	3.094	6.1	19.8
7 20	20 18.25	−34 12.6	2.102	3.097	4.6	19.7
7 30	20 9.15	−34 46.4	2.116	3.100	5.6	19.7
8 9	20 0.63	−35 4.8	2.157	3.103	8.1	19.9
8 19	19 53.55	−35 7.7	2.223	3.106	10.8	20.1
8 29	19 48.61	−34 56.7	2.310	3.109	13.3	20.3

434736 2006 FP_{16} 7 24.1 99°.22 1°.5/24.9 15

6 20	20 40.90	−14 14.6	2.007	2.859	13.3	22.1
6 30	20 34.94	−14 28.5	1.952	2.882	9.9	21.9
7 10	20 27.18	−14 51.0	1.920	2.904	6.2	21.7
7 20	20 18.29	−15 19.7	1.915	2.926	2.5	21.5
7 30	20 9.16	−15 51.4	1.937	2.947	2.5	21.6
8 9	20 0.72	−16 22.8	1.988	2.968	6.1	21.8
8 19	19 53.73	−16 51.6	2.064	2.988	9.5	22.1
8 29	19 48.80	−17 16.0	2.164	3.008	12.5	22.3

192633 1999 NT_{56} 7 24.1 342°.42 9°.5/27.0 17

6 20	20 35.79	− 2 36.5	1.333	2.181	18.9	18.4
6 30	20 32.18	− 1 13.3	1.260	2.169	15.8	18.1
7 10	20 26.04	− 0 8.8	1.206	2.158	12.6	17.9
7 20	20 18.07	+ 0 32.5	1.171	2.148	10.1	17.8
7 30	20 9.37	+ 0 47.9	1.159	2.140	9.6	17.7
8 9	20 1.25	+ 0 38.5	1.169	2.132	11.5	17.8
8 19	19 54.90	+ 0 8.5	1.200	2.126	14.7	18.0
8 29	19 51.25	− 0 35.5	1.250	2.121	18.0	18.2

475067 2005 UC_{129} 7 24.1 157°.85 0°.1/24.0 18

6 20	20 37.35	−18 57.4	2.426	3.287	11.0	21.8
6 30	20 32.26	−19 15.0	2.352	3.289	8.1	21.6
7 10	20 25.58	−19 37.2	2.302	3.291	4.9	21.4
7 20	20 17.84	−20 1.5	2.280	3.293	1.4	21.2
7 30	20 9.77	−20 25.2	2.285	3.295	2.1	21.2
8 9	20 2.14	−20 45.9	2.319	3.297	5.5	21.5
8 19	19 55.65	−21 2.0	2.379	3.299	8.7	21.7
8 29	19 50.88	−21 12.6	2.463	3.300	11.4	21.9

73180 2002 HY_{10} 7 24.1 25°.00 8°.2/28.7 18

6 20	20 34.91	− 0 16.4	1.402	2.238	18.8	19.1
6 30	20 31.22	+ 0 7.9	1.345	2.246	15.5	19.0
7 10	20 25.27	+ 0 7.0	1.306	2.256	12.1	18.8
7 20	20 17.79	− 0 20.2	1.288	2.266	9.2	18.6
7 30	20 9.86	− 1 11.8	1.292	2.277	8.2	18.6
8 9	20 2.66	− 2 22.3	1.320	2.289	9.8	18.7
8 19	19 57.16	− 3 44.2	1.370	2.302	12.8	18.9
8 29	19 54.13	− 5 9.5	1.441	2.315	15.9	19.2

443077 2013 GC_{28} 7 24.1 238°.02 2°.0/22.7 18

6 20	20 37.31	−23 16.2	2.380	3.249	10.9	20.9
6 30	20 32.42	−24 8.1	2.301	3.242	8.0	20.7
7 10	20 25.79	−25 3.5	2.246	3.236	4.9	20.5
7 20	20 17.94	−25 58.2	2.218	3.229	2.2	20.3
7 30	20 9.61	−26 48.1	2.218	3.222	3.3	20.4
8 9	20 1.66	−27 29.5	2.247	3.215	6.4	20.6
8 19	19 54.86	−28 0.7	2.301	3.208	9.5	20.8
8 29	19 49.87	−28 20.9	2.379	3.200	12.2	20.9

89721 2001 YS_{123} 7 24.1 226°.37 1°.8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.85	−23 17.3	1.750	2.625	13.8	19.4
6 30	20 36.24	−23 39.4	1.678	2.622	10.3	19.2
7 10	20 28.28	−24 4.3	1.628	2.619	6.3	18.9
7 20	20 18.70	−24 27.6	1.603	2.616	2.4	18.7
7 30	20 8.58	−24 45.1	1.605	2.612	3.6	18.8
8 9	19 59.12	−24 53.9	1.633	2.609	7.7	19.0
8 19	19 51.39	−24 53.1	1.686	2.605	11.6	19.2
8 29	19 46.16	−24 43.2	1.761	2.601	15.0	19.4

316580 2011 TR_5 7 24.1 317°.83 2°.5/25.3 18

6 20	20 37.32	−13 8.2	1.830	2.692	14.0	20.7
6 30	20 32.73	−12 59.2	1.750	2.683	10.7	20.4
7 10	20 26.11	−13 0.1	1.692	2.675	7.0	20.2
7 20	20 18.06	−13 9.7	1.658	2.667	3.4	20.0
7 30	20 9.48	−13 26.0	1.651	2.659	3.2	19.9
8 9	20 1.39	−13 46.1	1.670	2.652	6.9	20.1
8 19	19 54.72	−14 7.4	1.713	2.645	10.7	20.4
8 29	19 50.20	−14 27.3	1.779	2.638	14.1	20.6

56294 1999 NF_{47} 7 24.1 12°.69 2°.3/25.6 18

6 20	20 34.52	−10 37.7	1.750	2.611	14.5	18.0
6 30	20 30.68	−11 15.0	1.681	2.613	11.1	17.8
7 10	20 24.86	−12 7.5	1.634	2.616	7.2	17.6
7 20	20 17.68	−13 12.3	1.611	2.620	3.4	17.4
7 30	20 10.04	−14 24.5	1.614	2.624	3.0	17.3
8 9	20 2.92	−15 38.5	1.644	2.629	6.7	17.6
8 19	19 57.22	−16 49.1	1.699	2.634	10.5	17.8
8 29	19 53.63	−17 52.2	1.777	2.639	13.9	18.1

158371 2001 XJ_{166} 7 24.1 163°.47 1°.0/24.6 18

6 20	20 40.36	−15 35.3	2.017	2.874	13.0	20.8
6 30	20 34.75	−15 53.3	1.945	2.879	9.8	20.6
7 10	20 27.21	−16 19.4	1.896	2.883	6.1	20.4
7 20	20 18.36	−16 51.1	1.874	2.886	2.2	20.1
7 30	20 9.09	−17 25.0	1.879	2.889	2.4	20.1
8 9	20 0.37	−17 57.7	1.911	2.892	6.3	20.4
8 19	19 53.04	−18 26.8	1.970	2.894	9.9	20.6
8 29	19 47.78	−18 50.4	2.052	2.895	13.1	20.8

241316 2007 VW_{57} 7 24.1 299°.88 1°.6/25.0 18

6 20	20 36.84	−13 42.7	1.851	2.714	13.8	20.7
6 30	20 32.40	−14 0.3	1.771	2.706	10.5	20.5
7 10	20 25.93	−14 29.0	1.712	2.697	6.7	20.2
7 20	20 18.02	−15 6.5	1.678	2.689	2.8	20.0
7 30	20 9.55	−15 49.3	1.670	2.680	2.7	19.9
8 9	20 1.53	−16 33.2	1.689	2.672	6.7	20.2
8 19	19 54.90	−17 14.8	1.734	2.664	10.6	20.4
8 29	19 50.39	−17 51.1	1.800	2.656	14.1	20.6

482421 2012 BP_{133} 7 24.1 196°.07 5°.8/27.4 18

6 20	20 37.69	− 0 47.6	2.723	3.511	11.9	20.9
6 30	20 32.33	− 0 0.6	2.639	3.509	9.9	20.8
7 10	20 25.56	+ 0 34.5	2.578	3.507	7.9	20.6
7 20	20 17.86	+ 0 56.3	2.543	3.505	6.3	20.5
7 30	20 9.82	+ 1 4.5	2.535	3.503	5.9	20.5
8 9	20 2.11	+ 0 59.9	2.554	3.500	7.0	20.6
8 19	19 55.34	+ 0 44.7	2.599	3.497	8.9	20.7
8 29	19 50.03	+ 0 21.6	2.669	3.493	11.0	20.8

218226 2002 VN_{67} 7 24.1 305°.98 2°.0/23.2 17

6 20	20 38.77	−21 37.8	1.363	2.254	16.0	20.1
6 30	20 34.77	−22 17.8	1.279	2.232	12.0	19.8
7 10	20 27.86	−23 6.2	1.216	2.211	7.4	19.5
7 20	20 18.70	−23 57.4	1.177	2.190	2.7	19.1
7 30	20 8.51	−24 44.4	1.161	2.169	4.3	19.2
8 9	19 58.83	−25 21.3	1.169	2.149	9.5	19.4
8 19	19 51.10	−25 44.7	1.200	2.129	14.4	19.7
8 29	19 46.46	−25 53.8	1.250	2.110	18.8	19.9

185832 2000 AS_{220} 7 24.1 272°.59 0°.6/23.9 17

6 20	20 41.61	−19 53.9	1.606	2.482	14.8	21.0
6 30	20 36.43	−20 12.2	1.519	2.464	11.2	20.8
7 10	20 28.64	−20 37.4	1.453	2.445	6.8	20.5
7 20	20 18.90	−21 5.5	1.412	2.426	2.0	20.1
7 30	20 8.30	−21 32.1	1.397	2.407	3.2	20.1
8 9	19 58.18	−21 53.1	1.407	2.387	8.1	20.4
8 19	19 49.79	−22 6.3	1.442	2.368	12.7	20.6
8 29	19 44.10	−22 10.8	1.497	2.348	16.7	20.8

432601 2010 TE_2 7 24.1 284°.38 4°.1/22.2 18

6 20	20 42.12	−25 50.4	1.459	2.346	15.4	21.5
6 30	20 37.31	−26 48.4	1.372	2.322	11.7	21.2
7 10	20 29.45	−27 51.6	1.307	2.298	7.5	20.9
7 20	20 19.21	−28 52.3	1.265	2.273	4.2	20.7
7 30	20 7.82	−29 42.5	1.248	2.248	5.9	20.7
8 9	19 56.88	−30 16.0	1.255	2.224	10.3	20.9
8 19	19 47.92	−30 30.4	1.285	2.199	14.9	21.1
8 29	19 42.12	−30 26.9	1.335	2.174	19.0	21.3

222452 2001 QL_{252} 7 24.1 307.°49 4.°9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.39	−28 36.1	1.390	2.281	15.8	20.1
6 30	20 36.91	−29 16.8	1.303	2.254	12.1	19.8
7 10	20 29.27	−29 58.0	1.237	2.226	8.0	19.5
7 20	20 19.16	−30 32.3	1.193	2.199	5.0	19.2
7 30	20 7.91	−30 52.4	1.173	2.172	6.5	19.2
8 9	19 57.19	−30 53.4	1.177	2.146	10.8	19.4
8 19	19 48.60	−30 34.8	1.203	2.120	15.4	19.6
8 29	19 43.34	−29 59.4	1.247	2.094	19.6	19.8

255417 2005 XK_{29} 7 24.1 202.°17 3.°9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.00	− 6 27.9	2.741	3.558	11.1	20.7
6 30	20 31.83	− 6 2.9	2.656	3.555	8.9	20.6
7 10	20 25.28	− 5 47.6	2.594	3.551	6.5	20.4
7 20	20 17.81	− 5 42.2	2.559	3.548	4.4	20.3
7 30	20 10.01	− 5 46.0	2.552	3.544	4.1	20.3
8 9	20 2.54	− 5 57.7	2.573	3.540	5.8	20.4
8 19	19 56.00	− 6 15.3	2.620	3.535	8.2	20.5
8 29	19 50.90	− 6 36.4	2.693	3.530	10.5	20.7

224097 2005 OS_{13} 7 24.1 315.°98 3.°3/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.29	−26 24.6	1.268	2.164	16.7	19.8
6 30	20 36.96	−26 33.7	1.183	2.137	12.7	19.5
7 10	20 29.35	−26 42.7	1.117	2.110	8.0	19.1
7 20	20 19.20	−26 45.7	1.073	2.084	3.8	18.8
7 30	20 7.91	−26 37.2	1.052	2.059	5.2	18.8
8 9	19 57.25	−26 14.1	1.055	2.034	10.3	19.0
8 19	19 48.85	−25 36.8	1.079	2.010	15.5	19.2
8 29	19 43.91	−24 48.1	1.122	1.987	20.1	19.4

296716 2009 SP_{342} 7 24.1 286.°73 6.°8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.41	−32 16.9	1.578	2.461	14.7	20.5
6 30	20 37.48	−33 39.8	1.497	2.439	11.5	20.2
7 10	20 29.53	−35 2.2	1.438	2.418	8.4	20.0
7 20	20 19.24	−36 14.7	1.404	2.396	6.8	19.8
7 30	20 7.85	−37 8.5	1.394	2.374	8.3	19.9
8 9	19 56.99	−37 37.9	1.408	2.353	11.6	20.0
8 19	19 48.13	−37 42.1	1.445	2.331	15.3	20.2
8 29	19 42.44	−37 24.1	1.500	2.309	18.7	20.4

53498 2000 AV_{86} 7 24.1 74.°91 1.°6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.18	−14 6.4	1.230	2.110	18.1	18.8
6 30	20 36.30	−14 29.9	1.173	2.117	13.7	18.6
7 10	20 28.57	−15 8.8	1.135	2.125	8.6	18.3
7 20	20 18.87	−15 58.7	1.119	2.132	3.2	18.0
7 30	20 8.56	−16 53.6	1.128	2.139	3.4	18.0
8 9	19 59.19	−17 47.1	1.161	2.147	8.6	18.4
8 19	19 52.01	−18 34.2	1.216	2.154	13.5	18.7
8 29	19 47.92	−19 12.0	1.291	2.161	17.7	19.0

101036 1998 QF_{87} 7 24.1 303.°81 5.°8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.94	− 6 2.8	1.713	2.555	15.6	18.7
6 30	20 32.76	− 5 31.9	1.616	2.530	12.7	18.4
7 10	20 26.35	− 5 16.0	1.540	2.504	9.4	18.2
7 20	20 18.24	− 5 16.6	1.487	2.479	6.5	17.9
7 30	20 9.33	− 5 33.5	1.458	2.454	6.0	17.8
8 9	20 0.71	− 6 4.4	1.455	2.429	8.6	17.9
8 19	19 53.46	− 6 45.4	1.475	2.404	12.2	18.1
8 29	19 48.48	− 7 31.8	1.517	2.380	15.9	18.3

432816 2011 GH_{78} 7 24.1 103.°41 2.°4/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.49	−11 46.4	1.949	2.795	13.9	22.1
6 30	20 35.44	−11 52.1	1.893	2.817	10.5	21.9
7 10	20 27.54	−12 8.5	1.860	2.839	6.9	21.7
7 20	20 18.48	−12 33.7	1.853	2.860	3.3	21.5
7 30	20 9.17	−13 4.6	1.873	2.881	3.1	21.6
8 9	20 0.55	−13 37.9	1.922	2.901	6.3	21.8
8 19	19 53.43	−14 10.8	1.996	2.921	9.8	22.1
8 29	19 48.40	−14 40.7	2.093	2.940	12.7	22.3

96132 2354 $T\text{-}_3$ 7 24.1 318.°89 2.°3/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.77	−24 46.7	1.835	2.716	13.0	19.5
6 30	20 33.33	−25 9.3	1.747	2.694	9.7	19.2
7 10	20 26.65	−25 33.9	1.681	2.673	6.1	18.9
7 20	20 18.32	−25 56.3	1.640	2.652	2.7	18.7
7 30	20 9.31	−26 12.4	1.626	2.631	3.9	18.7
8 9	20 0.76	−26 19.1	1.637	2.611	7.8	18.9
8 19	19 53.71	−26 15.2	1.672	2.591	11.7	19.1
8 29	19 49.02	−26 1.2	1.729	2.572	15.1	19.3

99718 2002 JV_{43} 7 24.1 98.°66 5.°8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.70	− 4 49.8	1.860	2.687	15.2	19.5
6 30	20 34.29	− 4 14.5	1.795	2.697	12.2	19.4
7 10	20 26.95	− 3 54.3	1.751	2.707	9.1	19.2
7 20	20 18.35	− 3 50.2	1.731	2.717	6.5	19.1
7 30	20 9.38	− 4 1.3	1.737	2.727	5.9	19.0
8 9	20 1.02	− 4 25.0	1.769	2.736	7.9	19.2
8 19	19 54.11	− 4 57.7	1.826	2.746	10.8	19.4
8 29	19 49.30	− 5 35.1	1.905	2.755	13.7	19.6

369609 2011 CW_{63} 7 24.1 238.°71 0.°1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.09	−17 53.9	1.834	2.699	13.7	21.7
6 30	20 35.70	−18 20.6	1.749	2.688	10.3	21.4
7 10	20 28.04	−18 55.5	1.687	2.676	6.3	21.2
7 20	20 18.74	−19 35.0	1.650	2.664	1.9	20.8
7 30	20 8.76	−20 14.9	1.640	2.651	2.7	20.9
8 9	19 59.23	−20 51.0	1.658	2.637	7.2	21.1
8 19	19 51.20	−21 20.4	1.700	2.623	11.3	21.3
8 29	19 45.51	−21 41.8	1.765	2.609	14.8	21.5

3264 Bounty 7 24.1 145.°08 0.°1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.07	−18 1.8	2.649	3.505	10.3	17.8
6 30	20 31.94	−18 21.5	2.577	3.511	7.6	17.6
7 10	20 25.38	−18 45.9	2.530	3.518	4.6	17.4
7 20	20 17.87	−19 12.8	2.510	3.524	1.4	17.2
7 30	20 10.07	−19 39.6	2.519	3.529	1.9	17.3
8 9	20 2.68	−20 4.0	2.557	3.535	5.1	17.5
8 19	19 56.33	−20 24.5	2.621	3.540	8.0	17.7
8 29	19 51.54	−20 39.9	2.710	3.545	10.5	17.9

286156 2001 TK_{246} 7 24.1 254.°07 0.°6/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.24	−16 37.1	1.803	2.668	13.9	22.1
6 30	20 35.09	−16 56.6	1.717	2.655	10.5	21.9
7 10	20 27.69	−17 25.1	1.653	2.642	6.5	21.6
7 20	20 18.64	−17 59.7	1.614	2.628	2.1	21.3
7 30	20 8.90	−18 36.4	1.603	2.613	2.6	21.3
8 9	19 59.61	−19 11.2	1.618	2.599	7.1	21.5
8 19	19 51.80	−19 41.2	1.658	2.584	11.3	21.8
8 29	19 46.33	−20 4.4	1.720	2.569	14.9	22.0

93252 2000 SS_{160} 7 24.1 270.°69 6.°8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.05	−34 0.0	1.827	2.702	13.3	19.0
6 30	20 36.83	−35 28.9	1.753	2.689	10.5	18.8
7 10	20 28.93	−36 55.0	1.703	2.676	7.9	18.7
7 20	20 19.05	−38 10.1	1.677	2.662	6.8	18.6
7 30	20 8.31	−39 6.2	1.678	2.649	8.1	18.6
8 9	19 58.09	−39 39.1	1.703	2.635	10.8	18.7
8 19	19 49.68	−39 48.4	1.752	2.621	13.9	18.9
8 29	19 44.04	−39 36.6	1.819	2.607	16.7	19.1

389860 2012 RX_{34} 7 24.1 309.°48 0.°1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.63	−19 2.8	1.533	2.415	15.1	20.7
6 30	20 34.31	−19 11.6	1.447	2.394	11.4	20.4
7 10	20 27.41	−19 27.8	1.381	2.374	7.0	20.1
7 20	20 18.60	−19 48.1	1.340	2.354	2.1	19.7
7 30	20 8.95	−20 8.7	1.323	2.334	3.0	19.8
8 9	19 59.79	−20 25.8	1.332	2.315	8.1	20.0
8 19	19 52.35	−20 36.8	1.363	2.296	12.8	20.2
8 29	19 47.59	−20 40.7	1.415	2.278	16.8	20.4

101020 1998 QF_{59} 7 24.1 244.°15 1.°5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.59	−22 48.3	2.240	3.105	11.6	20.5
6 30	20 35.00	−23 13.5	2.151	3.091	8.6	20.3
7 10	20 27.47	−23 41.5	2.086	3.076	5.3	20.1
7 20	20 18.55	−24 9.0	2.048	3.060	1.9	19.8
7 30	20 9.08	−24 32.2	2.038	3.045	3.0	19.9
8 9	20 0.01	−24 48.6	2.056	3.028	6.6	20.1
8 19	19 52.20	−24 56.6	2.100	3.012	10.0	20.3
8 29	19 46.40	−24 56.3	2.167	2.995	13.0	20.4

493620 2015 OC_{76} 7 24.1 285.°43 6.°2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.47	+ 1 6.1	2.395	3.188	13.2	21.3
6 30	20 30.31	+ 1 11.2	2.295	3.167	11.1	21.1
7 10	20 24.57	+ 0 59.1	2.215	3.147	8.8	20.9
7 20	20 17.69	+ 0 28.9	2.160	3.127	6.9	20.8
7 30	20 10.30	− 0 18.6	2.130	3.106	6.2	20.7
8 9	20 3.14	− 1 20.8	2.127	3.085	7.4	20.7
8 19	19 56.92	− 2 33.5	2.150	3.065	9.7	20.8
8 29	19 52.27	− 3 51.7	2.197	3.044	12.2	21.0

154902 Davidtoth 7 24.1 291.°78 3.°3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.06	− 8 24.7	2.238	3.077	12.5	19.9
6 30	20 30.79	− 8 31.7	2.150	3.067	9.8	19.7
7 10	20 24.87	− 8 51.1	2.085	3.056	6.8	19.5
7 20	20 17.78	− 9 22.1	2.044	3.045	4.1	19.3
7 30	20 10.22	−10 2.5	2.031	3.034	3.6	19.3
8 9	20 3.00	−10 49.1	2.045	3.024	6.1	19.4
8 19	19 56.86	−11 38.4	2.085	3.013	9.2	19.6
8 29	19 52.42	−12 27.0	2.149	3.003	12.2	19.8

375752 2009 SU_{52} 7 24.1 72.°55 4.°1/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.47	− 9 3.1	1.508	2.365	16.7	20.8
6 30	20 34.55	− 8 59.9	1.447	2.373	13.0	20.5
7 10	20 27.31	− 9 13.0	1.406	2.382	8.9	20.3
7 20	20 18.51	− 9 41.1	1.388	2.391	5.1	20.1
7 30	20 9.25	−10 21.0	1.395	2.400	4.5	20.1
8 9	20 0.72	−11 8.0	1.427	2.409	7.8	20.3
8 19	19 53.94	−11 57.1	1.483	2.417	11.8	20.6
8 29	19 49.68	−12 44.2	1.561	2.426	15.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
434383 2004 VF_{77}			7 24.1 178°.80		7°.2/19.6 18	
	h m	° ′			°	m
6 20	20 44.28	−37 13.6	2.001	2.866	12.8	21.0
6 30	20 38.19	−38 34.4	1.942	2.867	10.2	20.9
7 10	20 29.58	−39 48.2	1.906	2.868	8.1	20.8
7 20	20 19.21	−40 47.5	1.895	2.868	7.2	20.7
7 30	20 8.23	−41 26.1	1.910	2.868	8.2	20.8
8 9	19 57.95	−41 41.4	1.950	2.868	10.4	20.9
8 19	19 49.51	−41 34.5	2.013	2.867	13.0	21.1
8 29	19 43.75	−41 8.8	2.096	2.866	15.3	21.2
152138 2004 TU_{334}			7 24.2 261°.32		0°.5/24.5 18	
6 20	20 36.61	−16 54.7	2.321	3.181	11.4	20.6
6 30	20 31.87	−17 12.6	2.240	3.176	8.5	20.4
7 10	20 25.48	−17 37.0	2.184	3.171	5.2	20.2
7 20	20 17.96	−18 5.5	2.153	3.166	1.7	20.0
7 30	20 10.03	−18 35.3	2.151	3.162	2.1	20.0
8 9	20 2.49	−19 3.7	2.176	3.157	5.7	20.2
8 19	19 56.10	−19 28.4	2.228	3.152	9.0	20.4
8 29	19 51.44	−19 48.0	2.304	3.147	11.8	20.6
488369 2016 WY_{34}			7 24.2 186°.63		2°.2/22.5 18	
6 20	20 37.62	−26 13.6	2.851	3.714	9.4	21.8
6 30	20 32.39	−26 49.9	2.776	3.714	7.0	21.7
7 10	20 25.69	−27 26.4	2.726	3.713	4.4	21.5
7 20	20 18.01	−27 59.9	2.704	3.712	2.4	21.4
7 30	20 9.99	−28 27.4	2.711	3.711	3.2	21.4
8 9	20 2.35	−28 46.9	2.747	3.709	5.7	21.6
8 19	19 55.73	−28 57.5	2.809	3.707	8.3	21.8
8 29	19 50.66	−28 59.2	2.895	3.705	10.6	21.9
361447 2007 BD_{66}			7 24.2 205°.27		2°.1/25.7 18	
6 20	20 35.72	−10 54.2	2.528	3.368	11.2	21.6
6 30	20 31.07	−11 16.1	2.445	3.366	8.6	21.5
7 10	20 24.95	−11 48.0	2.386	3.363	5.7	21.3
7 20	20 17.81	−12 28.2	2.353	3.360	2.8	21.1
7 30	20 10.29	−13 14.1	2.349	3.357	2.5	21.1
8 9	20 3.11	−14 2.7	2.373	3.353	5.3	21.2
8 19	19 56.91	−14 50.8	2.425	3.350	8.3	21.4
8 29	19 52.27	−15 35.8	2.501	3.346	11.0	21.6
507356 2011 VE_{23}			7 24.2 251°.18		2°.4/22.4 18	
6 20	20 38.17	−23 32.4	2.169	3.041	11.7	21.0
6 30	20 33.32	−24 37.8	2.090	3.033	8.7	20.8
7 10	20 26.51	−25 47.6	2.035	3.025	5.3	20.6
7 20	20 18.32	−26 56.8	2.006	3.016	2.6	20.4
7 30	20 9.54	−28 0.0	2.006	3.008	3.8	20.5
8 9	20 1.15	−28 52.8	2.034	2.999	7.2	20.7
8 19	19 54.03	−29 32.9	2.086	2.991	10.4	20.8
8 29	19 48.91	−29 59.6	2.162	2.982	13.3	21.0
510915 2013 EM_{2}			7 24.2 228°.75		2°.9/22.1 18	
6 20	20 39.24	−26 15.2	2.331	3.200	11.1	22.1
6 30	20 33.99	−27 10.5	2.251	3.192	8.3	21.9
7 10	20 26.87	−28 7.5	2.196	3.183	5.3	21.7
7 20	20 18.41	−29 1.3	2.168	3.175	3.0	21.5
7 30	20 9.43	−29 47.4	2.169	3.166	4.1	21.6
8 9	20 0.84	−30 22.3	2.197	3.157	7.1	21.7
8 19	19 53.49	−30 44.8	2.250	3.148	10.1	21.9
8 29	19 48.09	−30 54.8	2.327	3.138	12.8	22.1
165987 2001 YJ_{127}			7 24.2 277°.09		2°.7/23.1 17	
6 20	20 43.54	−24 11.8	1.345	2.232	16.4	19.9
6 30	20 38.18	−24 40.8	1.278	2.228	12.3	19.6
7 10	20 29.82	−25 13.2	1.232	2.225	7.6	19.3
7 20	20 19.35	−25 42.7	1.209	2.221	3.2	19.1
7 30	20 8.14	−26 3.3	1.211	2.217	4.6	19.1
8 9	19 57.81	−26 11.3	1.237	2.214	9.4	19.4
8 19	19 49.72	−26 6.0	1.286	2.210	14.0	19.7
8 29	19 44.83	−25 48.9	1.354	2.206	18.0	19.9
444346 2005 WM_{138}			7 24.2 285°.25		0°.2/24.1 16	
6 20	20 37.29	−19 2.4	2.202	3.068	11.8	22.2
6 30	20 32.55	−19 19.9	2.115	3.055	8.8	21.9
7 10	20 25.99	−19 42.9	2.051	3.041	5.3	21.7
7 20	20 18.15	−20 8.7	2.014	3.028	1.6	21.4
7 30	20 9.81	−20 34.2	2.004	3.014	2.3	21.5
8 9	20 1.85	−20 56.5	2.021	3.001	6.1	21.7
8 19	19 55.08	−21 13.8	2.065	2.987	9.6	21.9
8 29	19 50.20	−21 24.9	2.132	2.974	12.7	22.1
276029 2002 AF_{75}			7 24.2 169°.57		2°.3/22.7 18	
6 20	20 41.10	−23 17.9	1.973	2.843	12.7	21.3
6 30	20 35.53	−24 12.6	1.904	2.846	9.4	21.1
7 10	20 27.85	−25 11.0	1.858	2.848	5.8	20.9
7 20	20 18.71	−26 8.0	1.839	2.850	2.6	20.7
7 30	20 9.05	−26 58.3	1.848	2.852	3.8	20.8
8 9	19 59.96	−27 37.9	1.884	2.853	7.4	21.0
8 19	19 52.37	−28 4.9	1.946	2.854	10.9	21.2
8 29	19 47.03	−28 19.6	2.029	2.854	13.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
161381 2003 TH_{7}			7 24.2 124°.91		4°.7/21.0 18	
	h m	° ′			°	m
6 20	20 40.75	−28 40.3	1.882	2.759	12.9	19.7
6 30	20 35.49	−30 4.9	1.821	2.763	9.7	19.5
7 10	20 27.93	−31 29.8	1.783	2.767	6.6	19.4
7 20	20 18.75	−32 47.7	1.771	2.771	4.7	19.3
7 30	20 8.99	−33 51.9	1.787	2.775	6.0	19.3
8 9	19 59.84	−34 38.0	1.828	2.779	9.0	19.5
8 19	19 52.33	−35 5.0	1.894	2.782	12.1	19.7
8 29	19 47.28	−35 14.3	1.981	2.785	14.9	19.9
317367 2002 NX_{57}			7 24.2 359°.34		0°.7/24.5 17	
6 20	20 32.97	−16 13.5	0.979	1.888	19.2	19.9
6 30	20 30.82	−16 37.5	0.923	1.884	14.5	19.6
7 10	20 25.59	−17 17.4	0.884	1.881	8.9	19.3
7 20	20 18.13	−18 8.6	0.865	1.879	2.9	19.0
7 30	20 9.89	−19 3.8	0.868	1.880	3.6	19.0
8 9	20 2.60	−19 55.5	0.891	1.882	9.6	19.4
8 19	19 57.66	−20 38.0	0.935	1.886	15.0	19.7
8 29	19 56.07	−21 7.8	0.996	1.891	19.6	20.0
243707 2000 CV_{99}			7 24.2 15°.59		1°.0/23.7 18	
6 20	20 40.02	−21 39.7	1.817	2.691	13.4	21.0
6 30	20 34.79	−21 54.4	1.748	2.692	10.0	20.8
7 10	20 27.41	−22 12.7	1.701	2.693	6.0	20.6
7 20	20 18.58	−22 31.2	1.680	2.693	1.9	20.3
7 30	20 9.30	−22 46.2	1.685	2.694	3.0	20.4
8 9	20 0.66	−22 55.1	1.717	2.695	7.1	20.6
8 19	19 53.62	−22 56.8	1.774	2.697	10.9	20.9
8 29	19 48.90	−22 51.2	1.852	2.698	14.2	21.1
306974 2001 VG_{74}			7 24.2 269°.80		2°.2/22.9 18	
6 20	20 39.84	−25 12.2	2.108	2.980	12.0	20.6
6 30	20 34.53	−25 35.9	2.029	2.972	8.9	20.4
7 10	20 27.21	−26 0.4	1.974	2.964	5.5	20.2
7 20	20 18.53	−26 22.1	1.945	2.955	2.5	20.0
7 30	20 9.35	−26 37.3	1.943	2.947	3.6	20.0
8 9	20 0.69	−26 43.6	1.968	2.939	7.0	20.2
8 19	19 53.42	−26 40.3	2.019	2.930	10.4	20.4
8 29	19 48.26	−26 27.9	2.092	2.922	13.4	20.6
117687 2005 EX_{259}			7 24.2 36°.41		1°.8/24.9 18	
6 20	20 39.70	−15 13.8	1.170	2.058	18.3	19.5
6 30	20 35.21	−15 14.7	1.121	2.069	13.8	19.2
7 10	20 27.91	−15 28.4	1.090	2.081	8.6	19.0
7 20	20 18.75	−15 51.9	1.081	2.094	3.3	18.7
7 30	20 9.13	−16 20.5	1.096	2.107	3.4	18.8
8 9	20 0.57	−16 49.3	1.134	2.121	8.6	19.1
8 19	19 54.26	−17 14.7	1.194	2.136	13.4	19.4
8 29	19 50.99	−17 34.2	1.274	2.151	17.4	19.7
427571 2003 EB_{43}			7 24.2 39°.69		0°.7/23.8 16	
6 20	20 38.68	−18 3.3	1.241	2.133	17.3	20.7
6 30	20 34.30	−18 52.5	1.200	2.152	12.7	20.5
7 10	20 27.27	−19 51.9	1.179	2.173	7.6	20.3
7 20	20 18.55	−20 55.3	1.180	2.194	2.2	20.0
7 30	20 9.46	−21 55.3	1.206	2.216	3.4	20.2
8 9	20 1.42	−22 45.9	1.256	2.239	8.4	20.5
8 19	19 55.53	−23 24.1	1.328	2.262	12.9	20.8
8 29	19 52.53	−23 48.9	1.421	2.286	16.6	21.1
44766 1999 TM_{123}			7 24.2 174°.07		3°.0/22.5 18	
6 20	20 44.18	−25 36.1	1.907	2.776	13.1	19.4
6 30	20 37.90	−26 25.5	1.838	2.779	9.8	19.2
7 10	20 29.33	−27 16.4	1.793	2.781	6.1	19.0
7 20	20 19.18	−28 3.2	1.775	2.783	3.2	18.8
7 30	20 8.50	−28 40.7	1.784	2.784	4.4	18.9
8 9	19 58.46	−29 5.4	1.820	2.785	7.9	19.1
8 19	19 50.10	−29 16.4	1.881	2.785	11.4	19.3
8 29	19 44.19	−29 14.8	1.964	2.784	14.5	19.5
118238 1997 JT_{5}			7 24.2 168°.18		5°.5/19.6 18	
6 20	20 41.11	−37 11.8	2.767	3.622	10.0	20.6
6 30	20 35.23	−38 19.8	2.706	3.626	7.9	20.4
7 10	20 27.54	−39 22.1	2.669	3.629	6.2	20.3
7 20	20 18.62	−40 13.6	2.660	3.631	5.5	20.3
7 30	20 9.28	−40 50.2	2.678	3.633	6.3	20.3
8 9	20 0.39	−41 10.1	2.723	3.635	8.0	20.4
8 19	19 52.77	−41 13.4	2.792	3.637	10.0	20.6
8 29	19 47.05	−41 2.0	2.884	3.638	11.9	20.7
503699 2016 JU_{10}			7 24.2 113°.07		1°.3/23.5 17	
6 20	20 42.21	−19 23.0	1.535	2.412	15.4	21.8
6 30	20 36.71	−20 18.9	1.477	2.422	11.4	21.6
7 10	20 28.71	−21 23.3	1.441	2.433	6.8	21.3
7 20	20 19.00	−22 30.0	1.430	2.443	2.2	21.1
7 30	20 8.78	−23 32.3	1.445	2.453	3.5	21.2
8 9	19 59.35	−24 24.7	1.486	2.463	8.1	21.5
8 19	19 51.82	−25 4.4	1.551	2.472	12.3	21.8
8 29	19 47.00	−25 30.7	1.637	2.482	15.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
93038 2000 RL_{104}			7 24.2 152°.45	10°.8/31.2 18		
	h m	° ′			°	m
6 20	20 42.27	+11 57.2	2.161	2.877	16.6	19.6
6 30	20 36.07	+12 55.4	2.093	2.889	14.8	19.4
7 10	20 28.04	+13 30.4	2.044	2.900	12.9	19.3
7 20	20 18.78	+13 38.8	2.016	2.910	11.5	19.2
7 30	20 9.10	+13 19.6	2.012	2.919	10.8	19.2
8 9	19 59.93	+12 34.9	2.031	2.927	11.2	19.3
8 19	19 52.06	+11 29.4	2.075	2.934	12.5	19.4
8 29	19 46.14	+10 9.4	2.140	2.940	14.1	19.5
494313 2016 SG_{22}			7 24.2 343°.33	1°.9/23.1 18		
6 20	20 38.00	−22 5.7	1.656	2.539	14.1	20.6
6 30	20 33.60	−22 49.9	1.586	2.535	10.5	20.4
7 10	20 26.86	−23 39.8	1.539	2.532	6.3	20.1
7 20	20 18.49	−24 30.0	1.516	2.528	2.4	19.9
7 30	20 9.52	−25 15.2	1.519	2.526	3.8	20.0
8 9	20 1.17	−25 50.7	1.547	2.523	7.9	20.2
8 19	19 54.48	−26 14.2	1.600	2.521	11.9	20.5
8 29	19 50.28	−26 25.5	1.673	2.520	15.4	20.7
476380 2008 CH_{48}			7 24.2 181°.41	1°.8/23.2 18		
6 20	20 40.83	−24 59.5	2.268	3.135	11.4	21.8
6 30	20 35.04	−25 11.1	2.195	3.135	8.5	21.6
7 10	20 27.42	−25 23.0	2.146	3.135	5.2	21.4
7 20	20 18.60	−25 31.8	2.124	3.135	2.2	21.2
7 30	20 9.42	−25 34.9	2.129	3.135	3.1	21.2
8 9	20 0.79	−25 30.7	2.163	3.135	6.4	21.4
8 19	19 53.52	−25 18.9	2.223	3.134	9.6	21.6
8 29	19 48.23	−25 0.1	2.306	3.133	12.4	21.8
500787 2013 EJ_{107}			7 24.2 10°.35	34°.4/20.0 17		
6 20	20 10.55	−74 4.2	0.597	1.451	34.4	18.3
6 30	20 22.97	−77 4.7	0.615	1.457	35.1	18.4
7 10	20 25.18	−78 39.5	0.639	1.467	35.5	18.5
7 20	20 18.39	−78 49.0	0.668	1.482	35.7	18.6
7 30	20 10.27	−77 36.3	0.702	1.501	35.5	18.8
8 9	20 7.53	−75 12.1	0.740	1.524	35.2	18.9
8 19	20 11.16	−71 50.1	0.784	1.551	34.8	19.1
8 29	20 19.74	−67 44.1	0.835	1.582	34.4	19.2
260658 2005 GB_{215}			7 24.2 38°.73	0°.2/24.1 17		
6 20	20 40.68	−18 55.9	1.184	2.077	17.8	20.2
6 30	20 35.97	−19 9.6	1.136	2.088	13.2	19.9
7 10	20 28.40	−19 32.1	1.107	2.101	8.0	19.7
7 20	20 18.94	−19 58.7	1.100	2.114	2.4	19.4
7 30	20 9.03	−20 24.1	1.116	2.127	3.3	19.5
8 9	20 0.22	−20 44.1	1.156	2.142	8.7	19.9
8 19	19 53.73	−20 56.5	1.219	2.156	13.5	20.2
8 29	19 50.34	−21 0.4	1.300	2.172	17.5	20.5
155720 2000 QF_{214}			7 24.2 8°.02	6°.9/28.7 18		
6 20	20 34.32	− 0 35.1	1.374	2.214	18.9	19.2
6 30	20 31.04	− 0 57.7	1.307	2.214	15.5	19.0
7 10	20 25.39	− 1 49.2	1.258	2.216	11.7	18.7
7 20	20 18.08	− 3 9.1	1.230	2.218	8.2	18.6
7 30	20 10.14	− 4 52.8	1.225	2.221	6.9	18.5
8 9	20 2.83	− 6 51.7	1.245	2.224	9.0	18.6
8 19	19 57.21	− 8 55.7	1.288	2.229	12.7	18.8
8 29	19 54.13	−10 55.4	1.353	2.234	16.3	19.1
470712 2008 TC_{177}			7 24.2 318°.14	1°.7/25.2 18		
6 20	20 34.34	−10 42.1	1.376	2.252	16.9	20.2
6 30	20 31.52	−11 47.8	1.279	2.221	13.1	19.8
7 10	20 26.04	−13 19.0	1.202	2.190	8.5	19.5
7 20	20 18.39	−15 12.6	1.148	2.160	3.4	19.1
7 30	20 9.55	−17 21.1	1.119	2.131	3.2	19.0
8 9	20 0.89	−19 33.7	1.115	2.102	8.7	19.2
8 19	19 53.82	−21 39.6	1.134	2.074	14.1	19.5
8 29	19 49.57	−23 30.5	1.174	2.047	18.9	19.7
514264 2015 RC_{19}			7 24.2 302°.45	5°.2/21.7 18		
6 20	20 42.41	−34 7.7	2.094	2.962	12.2	20.7
6 30	20 36.64	−34 35.2	2.013	2.947	9.5	20.5
7 10	20 28.61	−34 56.9	1.955	2.931	6.8	20.3
7 20	20 19.02	−35 7.7	1.923	2.916	5.2	20.2
7 30	20 8.87	−35 3.5	1.917	2.901	6.1	20.2
8 9	19 59.34	−34 42.7	1.938	2.886	8.7	20.3
8 19	19 51.42	−34 6.3	1.983	2.871	11.7	20.5
8 29	19 45.90	−33 17.3	2.049	2.857	14.4	20.7
513214 2005 US_{202}			7 24.2 178°.61	3°.9/26.8 18		
6 20	20 36.17	− 6 15.5	2.543	3.365	11.7	21.9
6 30	20 31.37	− 6 7.0	2.463	3.365	9.3	21.7
7 10	20 25.14	− 6 10.0	2.406	3.366	6.7	21.5
7 20	20 17.93	− 6 24.0	2.375	3.366	4.5	21.4
7 30	20 10.39	− 6 47.8	2.371	3.366	4.0	21.4
8 9	20 3.21	− 7 19.2	2.395	3.366	5.9	21.5
8 19	19 57.02	− 7 55.3	2.445	3.366	8.4	21.7
8 29	19 52.35	− 8 33.3	2.520	3.365	10.9	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
122609 2000 RM_{46}			7 24.2 312°.83	4°.8/22.3 18		
	h m	° ′			°	m
6 20	20 41.73	−29 25.0	1.468	2.357	15.3	18.8
6 30	20 36.94	−29 56.8	1.389	2.337	11.7	18.6
7 10	20 29.20	−30 26.7	1.330	2.318	7.8	18.3
7 20	20 19.28	−30 48.3	1.294	2.299	4.9	18.1
7 30	20 8.46	−30 55.2	1.283	2.281	6.2	18.1
8 9	19 58.34	−30 44.4	1.296	2.263	10.2	18.3
8 19	19 50.30	−30 16.2	1.331	2.246	14.4	18.5
8 29	19 45.37	−29 33.6	1.386	2.229	18.2	18.7
196528 2003 OE_{18}			7 24.2 276°.54	5°.2/26.6 18		
6 20	20 38.44	− 6 32.0	1.822	2.660	15.0	19.8
6 30	20 33.65	− 6 4.9	1.738	2.650	12.0	19.5
7 10	20 26.81	− 5 52.1	1.676	2.640	8.8	19.3
7 20	20 18.49	− 5 54.3	1.637	2.630	6.0	19.1
7 30	20 9.58	− 6 10.6	1.624	2.621	5.4	19.1
8 9	20 1.12	− 6 38.6	1.637	2.611	7.8	19.2
8 19	19 54.03	− 7 14.4	1.675	2.601	11.2	19.4
8 29	19 49.08	− 7 54.1	1.734	2.591	14.5	19.6
314089 2005 CE_{62}			7 24.2 124°.55	1°.5/23.5 17		
6 20	20 44.02	−21 7.6	1.638	2.510	14.8	21.4
6 30	20 37.89	−21 47.6	1.580	2.523	10.9	21.2
7 10	20 29.36	−22 32.9	1.544	2.536	6.6	21.0
7 20	20 19.23	−23 18.2	1.534	2.547	2.2	20.7
7 30	20 8.65	−23 58.2	1.551	2.559	3.4	20.8
8 9	19 58.90	−24 28.9	1.594	2.570	7.8	21.1
8 19	19 51.02	−24 48.5	1.661	2.580	11.8	21.4
8 29	19 45.78	−24 57.3	1.750	2.590	15.2	21.6
153226 2000 YZ_{57}			7 24.2 198°.11	0°.8/24.7 18		
6 20	20 37.82	−16 39.6	2.617	3.469	10.6	20.6
6 30	20 32.59	−16 42.7	2.536	3.467	7.9	20.4
7 10	20 25.87	−16 50.9	2.479	3.465	4.9	20.2
7 20	20 18.15	−17 2.6	2.450	3.462	1.7	20.0
7 30	20 10.10	−17 15.8	2.449	3.459	2.0	20.0
8 9	20 2.43	−17 28.6	2.477	3.456	5.1	20.2
8 19	19 55.80	−17 39.5	2.531	3.453	8.1	20.4
8 29	19 50.75	−17 47.6	2.611	3.449	10.8	20.5
244859 2003 UA_{194}			7 24.2 263°.92	4°.6/21.5 18		
6 20	20 42.41	−30 28.1	2.078	2.948	12.2	21.1
6 30	20 36.76	−31 21.2	1.990	2.928	9.3	20.8
7 10	20 28.80	−32 13.2	1.926	2.907	6.4	20.6
7 20	20 19.12	−32 58.2	1.887	2.886	4.6	20.5
7 30	20 8.69	−33 30.8	1.876	2.865	5.7	20.5
8 9	19 58.68	−33 47.4	1.892	2.843	8.7	20.6
8 19	19 50.16	−33 47.5	1.932	2.820	11.9	20.8
8 29	19 44.01	−33 32.6	1.993	2.798	14.8	21.0
16606 1993 FH_{11}			7 24.2 308°.92	8°.8/20.2 18		
6 20	20 44.04	−36 29.9	1.373	2.258	16.3	17.2
6 30	20 39.12	−37 40.1	1.303	2.242	13.1	17.0
7 10	20 30.74	−38 43.2	1.253	2.226	10.2	16.8
7 20	20 19.78	−39 28.7	1.226	2.210	8.8	16.7
7 30	20 7.79	−39 47.9	1.221	2.195	10.1	16.7
8 9	19 56.70	−39 36.9	1.239	2.180	13.2	16.8
8 19	19 48.14	−38 58.0	1.277	2.166	16.8	17.0
8 29	19 43.26	−37 56.8	1.333	2.152	20.1	17.2
342350 2008 TL_{168}			7 24.2 263°.85	0°.3/24.4 18		
6 20	20 38.89	−17 4.3	1.869	2.736	13.5	21.3
6 30	20 34.03	−17 28.3	1.787	2.727	10.1	21.1
7 10	20 27.06	−18 0.8	1.728	2.717	6.2	20.8
7 20	20 18.57	−18 38.7	1.694	2.707	2.0	20.5
7 30	20 9.49	−19 17.9	1.687	2.698	2.5	20.6
8 9	20 0.87	−19 54.6	1.707	2.688	6.8	20.8
8 19	19 53.68	−20 25.9	1.752	2.678	10.8	21.0
8 29	19 48.69	−20 49.9	1.819	2.668	14.3	21.2
271618 2004 PT_{46}			7 24.2 333°.70	3°.3/25.6 16		
6 20	20 35.01	−12 3.0	1.278	2.160	17.5	20.2
6 30	20 31.90	−11 56.4	1.201	2.144	13.6	19.9
7 10	20 26.13	−12 5.4	1.143	2.129	9.0	19.6
7 20	20 18.36	−12 29.2	1.106	2.115	4.5	19.3
7 30	20 9.76	−13 4.6	1.093	2.102	4.2	19.3
8 9	20 1.72	−13 46.6	1.103	2.090	8.7	19.5
8 19	19 55.55	−14 30.2	1.134	2.080	13.5	19.7
8 29	19 52.23	−15 10.5	1.185	2.070	17.9	20.0
84978 2003 YY_{53}			7 24.2 302°.37	2°.6/22.8 18		
6 20	20 38.85	−23 52.8	1.750	2.631	13.6	19.6
6 30	20 34.24	−24 39.6	1.673	2.620	10.1	19.4
7 10	20 27.29	−25 30.5	1.618	2.610	6.3	19.1
7 20	20 18.67	−26 20.4	1.588	2.599	2.9	18.9
7 30	20 9.37	−27 3.5	1.585	2.589	4.2	18.9
8 9	20 0.61	−27 35.6	1.607	2.579	8.1	19.2
8 19	19 53.44	−27 54.6	1.654	2.569	12.0	19.4
8 29	19 48.73	−28 0.6	1.721	2.560	15.4	19.6

131801 2002 AU_{53} 7 24.2 112.°50 1.°2/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.96	−15 15.6	1.782	2.646	14.2	20.1
6 30	20 34.72	−15 31.5	1.716	2.652	10.7	19.9
7 10	20 27.39	−15 56.9	1.672	2.659	6.6	19.6
7 20	20 18.65	−16 28.9	1.653	2.665	2.4	19.4
7 30	20 9.47	−17 3.8	1.660	2.671	2.6	19.4
8 9	20 0.92	−17 37.9	1.695	2.677	6.8	19.7
8 19	19 53.93	−18 8.3	1.755	2.683	10.6	19.9
8 29	19 49.20	−18 33.0	1.837	2.689	14.0	20.2

490215 2008 VJ_{5} 7 24.2 270.°34 3.°1/25.7 18

6 20	20 39.35	−10 50.5	1.972	2.818	13.7	22.5
6 30	20 34.35	−10 46.5	1.873	2.796	10.7	22.3
7 10	20 27.29	−10 53.9	1.797	2.773	7.2	22.0
7 20	20 18.68	−11 12.0	1.745	2.750	3.9	21.8
7 30	20 9.35	−11 39.0	1.721	2.727	3.6	21.7
8 9	20 0.32	−12 11.7	1.723	2.703	6.9	21.9
8 19	19 52.53	−12 46.8	1.751	2.679	10.7	22.0
8 29	19 46.81	−13 21.4	1.802	2.654	14.2	22.2

282866 2007 DC_{110} 7 24.2 263.°83 2.°1/25.5 18

6 20	20 36.36	−12 5.4	2.442	3.287	11.4	20.9
6 30	20 31.70	−12 12.0	2.349	3.273	8.8	20.7
7 10	20 25.46	−12 27.6	2.280	3.259	5.8	20.5
7 20	20 18.09	−12 50.9	2.238	3.245	2.9	20.3
7 30	20 10.26	−13 19.9	2.223	3.231	2.6	20.3
8 9	20 2.74	−13 51.9	2.236	3.216	5.5	20.4
8 19	19 56.23	−14 24.4	2.276	3.202	8.7	20.6
8 29	19 51.33	−14 55.0	2.340	3.187	11.6	20.8

511200 2013 YV_{129} 7 24.2 229.°14 2.°5/25.3 18

6 20	20 40.76	−13 1.0	2.040	2.889	13.2	22.1
6 30	20 35.17	−12 44.3	1.956	2.882	10.2	21.9
7 10	20 27.64	−12 35.9	1.895	2.874	6.7	21.7
7 20	20 18.76	−12 35.0	1.859	2.866	3.3	21.5
7 30	20 9.37	−12 40.1	1.851	2.858	3.2	21.4
8 9	20 0.44	−12 49.2	1.871	2.850	6.5	21.6
8 19	19 52.84	−13 0.3	1.916	2.841	10.1	21.8
8 29	19 47.27	−13 11.3	1.984	2.832	13.3	22.0

274236 2008 MF_{5} 7 24.2 311.°69 8.°5/18.6 18

6 20	20 39.58	−33 13.3	1.407	2.300	15.5	19.3
6 30	20 35.92	−35 8.7	1.326	2.272	12.3	19.0
7 10	20 28.99	−37 6.1	1.267	2.245	9.5	18.8
7 20	20 19.37	−38 53.7	1.231	2.218	8.5	18.7
7 30	20 8.35	−40 19.4	1.219	2.191	10.3	18.7
8 9	19 57.72	−41 15.0	1.230	2.165	13.8	18.8
8 19	19 49.24	−41 38.3	1.260	2.140	17.5	19.0
8 29	19 44.28	−41 32.3	1.307	2.115	21.0	19.1

87033 2000 KK 7 24.2 105.°85 5.°5/26.8 18

6 20	20 39.85	− 6 8.5	1.662	2.501	16.2	19.6
6 30	20 34.74	− 5 42.0	1.594	2.506	12.9	19.4
7 10	20 27.46	− 5 31.7	1.546	2.510	9.4	19.2
7 20	20 18.71	− 5 38.0	1.521	2.514	6.3	19.0
7 30	20 9.47	− 5 59.6	1.522	2.518	5.7	19.0
8 9	20 0.86	− 6 33.2	1.548	2.523	8.2	19.1
8 19	19 53.83	− 7 14.4	1.599	2.527	11.6	19.3
8 29	19 49.12	− 7 58.7	1.671	2.531	14.8	19.6

93064 2000 SN_{22} 7 24.2 346.°55 0.°4/24.3 17

6 20	20 37.87	−19 29.9	1.223	2.119	17.2	18.9
6 30	20 34.11	−19 15.4	1.155	2.109	12.9	18.6
7 10	20 27.47	−19 7.2	1.106	2.100	8.0	18.3
7 20	20 18.78	−19 2.6	1.079	2.093	2.5	17.9
7 30	20 9.36	−18 58.7	1.075	2.087	3.3	18.0
8 9	20 0.76	−18 52.8	1.094	2.082	8.8	18.3
8 19	19 54.29	−18 43.2	1.135	2.078	13.8	18.6
8 29	19 50.90	−18 29.5	1.195	2.075	18.1	18.8

178525 1999 TA_{248} 7 24.2 342.°53 1.°1/23.7 18

6 20	20 32.81	−18 58.1	0.999	1.911	18.6	18.6
6 30	20 30.92	−19 35.0	0.932	1.896	14.0	18.2
7 10	20 25.85	−20 25.7	0.884	1.882	8.5	17.9
7 20	20 18.36	−21 24.5	0.856	1.870	2.6	17.5
7 30	20 9.87	−22 23.3	0.848	1.860	4.1	17.6
8 9	20 2.16	−23 13.8	0.862	1.851	10.2	17.9
8 19	19 56.79	−23 50.7	0.895	1.843	15.8	18.2
8 29	19 54.92	−24 11.6	0.945	1.838	20.6	18.4

342462 2008 UH_{121} 7 24.2 329.°36 0.°8/24.5 17

6 20	20 41.16	−17 52.7	1.796	2.663	13.9	20.4
6 30	20 35.65	−17 45.2	1.724	2.663	10.4	20.2
7 10	20 27.99	−17 43.6	1.674	2.663	6.4	19.9
7 20	20 18.87	−17 45.7	1.650	2.663	2.2	19.7
7 30	20 9.29	−17 49.0	1.652	2.663	2.6	19.7
8 9	20 0.34	−17 51.5	1.681	2.663	6.8	20.0
8 19	19 52.99	−17 51.6	1.735	2.663	10.8	20.2
8 29	19 47.95	−17 48.5	1.811	2.663	14.2	20.4

412076 2013 EK_{121} 7 24.2 26.°50 2.°1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.57	−22 26.3	0.988	1.895	19.3	20.2
6 30	20 36.45	−22 49.7	0.942	1.902	14.3	20.0
7 10	20 28.96	−23 19.0	0.914	1.911	8.7	19.7
7 20	20 19.21	−23 47.5	0.907	1.920	3.1	19.4
7 30	20 8.91	−24 8.5	0.921	1.931	4.6	19.5
8 9	19 59.90	−24 17.8	0.958	1.942	10.2	19.9
8 19	19 53.61	−24 14.5	1.015	1.955	15.3	20.2
8 29	19 50.89	−23 59.7	1.089	1.968	19.6	20.5

440553 2005 UH_{261} 7 24.2 272.°36 4.°9/26.9 16

6 20	20 36.66	− 4 28.9	2.438	3.253	12.4	21.6
6 30	20 31.96	− 4 7.5	2.338	3.233	10.1	21.4
7 10	20 25.65	− 3 58.3	2.260	3.212	7.6	21.2
7 20	20 18.19	− 4 2.0	2.207	3.192	5.4	21.1
7 30	20 10.21	− 4 18.0	2.182	3.171	5.0	21.0
8 9	20 2.48	− 4 44.7	2.183	3.150	6.7	21.1
8 19	19 55.71	− 5 19.2	2.211	3.128	9.3	21.2
8 29	19 50.53	− 5 58.3	2.262	3.107	12.0	21.4

170157 2003 EV_{7} 7 24.2 265.°17 0.°3/24.4 18

6 20	20 39.69	−18 48.6	2.112	2.975	12.3	19.9
6 30	20 34.30	−18 44.9	2.036	2.974	9.2	19.7
7 10	20 27.07	−18 45.7	1.984	2.972	5.6	19.5
7 20	20 18.59	−18 48.8	1.957	2.971	1.8	19.2
7 30	20 9.72	−18 52.0	1.959	2.970	2.3	19.3
8 9	20 1.38	−18 53.5	1.988	2.968	6.1	19.5
8 19	19 54.37	−18 52.2	2.043	2.967	9.6	19.7
8 29	19 49.35	−18 47.3	2.121	2.966	12.7	19.9

386722 2009 YC_{5} 7 24.2 231.°68 0.°7/24.5 17

6 20	20 43.41	−18 4.0	2.125	2.979	12.6	22.3
6 30	20 37.16	−17 54.6	2.035	2.967	9.5	22.0
7 10	20 28.88	−17 49.7	1.968	2.954	5.9	21.8
7 20	20 19.18	−17 47.3	1.928	2.941	2.0	21.5
7 30	20 8.91	−17 45.4	1.917	2.927	2.4	21.5
8 9	19 59.10	−17 42.4	1.934	2.913	6.4	21.7
8 19	19 50.65	−17 37.2	1.977	2.898	10.1	21.9
8 29	19 44.29	−17 29.2	2.044	2.882	13.3	22.1

256475 2007 DF_{57} 7 24.2 301.°86 2.°6/25.9 18

6 20	20 35.23	− 9 59.5	2.153	3.000	12.7	20.7
6 30	20 31.05	−10 20.8	2.068	2.991	9.8	20.5
7 10	20 25.16	−10 54.6	2.005	2.982	6.6	20.3
7 20	20 18.05	−11 39.5	1.967	2.973	3.5	20.1
7 30	20 10.46	−12 32.3	1.957	2.964	3.0	20.0
8 9	20 3.21	−13 29.3	1.974	2.956	6.0	20.2
8 19	19 57.09	−14 26.3	2.017	2.947	9.4	20.4
8 29	19 52.75	−15 20.1	2.084	2.939	12.5	20.6

129754 1999 EE 7 24.2 250.°53 2.°1/23.2 18

6 20	20 43.64	−22 19.0	1.568	2.445	15.1	19.6
6 30	20 38.16	−22 59.7	1.485	2.430	11.3	19.3
7 10	20 29.91	−23 46.6	1.424	2.415	6.9	19.0
7 20	20 19.58	−24 34.2	1.387	2.399	2.7	18.7
7 30	20 8.33	−25 16.1	1.376	2.383	4.1	18.7
8 9	19 57.61	−25 47.4	1.391	2.366	8.8	19.0
8 19	19 48.73	−26 5.6	1.430	2.349	13.3	19.2
8 29	19 42.72	−26 10.9	1.489	2.331	17.2	19.4

228657 2002 FD_{36} 7 24.2 168.°65 3.°6/21.7 18

6 20	20 42.12	−27 18.6	2.243	3.109	11.5	20.8
6 30	20 36.21	−28 30.1	2.176	3.114	8.6	20.6
7 10	20 28.30	−29 42.4	2.133	3.118	5.6	20.5
7 20	20 19.00	−30 49.7	2.118	3.121	3.6	20.3
7 30	20 9.19	−31 46.7	2.131	3.123	4.7	20.4
8 9	19 59.87	−32 29.7	2.172	3.125	7.6	20.6
8 19	19 51.93	−32 57.5	2.238	3.127	10.5	20.8
8 29	19 46.09	−33 10.8	2.328	3.128	13.1	21.0

475883 2007 CH_{57} 7 24.2 110.°90 4.°4/21.9 18

6 20	20 43.88	−34 13.6	2.528	3.385	10.7	21.2
6 30	20 37.14	−34 36.4	2.472	3.399	8.2	21.1
7 10	20 28.63	−34 53.3	2.439	3.413	5.9	21.0
7 20	20 19.04	−35 0.2	2.434	3.426	4.4	20.9
7 30	20 9.25	−34 54.7	2.457	3.439	5.1	21.0
8 9	20 0.16	−34 35.9	2.508	3.451	7.2	21.1
8 19	19 52.54	−34 5.2	2.584	3.464	9.6	21.3
8 29	19 46.93	−33 24.7	2.684	3.476	11.8	21.5

132402 2002 GG_{101} 7 24.2 206.°11 3.°0/26.0 18

6 20	20 39.34	− 9 26.0	2.218	3.053	12.8	21.2
6 30	20 34.02	− 9 30.4	2.133	3.048	10.0	21.0
7 10	20 26.93	− 9 46.3	2.071	3.043	6.8	20.8
7 20	20 18.60	−10 12.7	2.034	3.037	3.8	20.6
7 30	20 9.79	−10 47.3	2.026	3.030	3.4	20.6
8 9	20 1.37	−11 27.2	2.045	3.023	6.2	20.7
8 19	19 54.12	−12 9.0	2.091	3.016	9.4	20.9
8 29	19 48.69	−12 49.7	2.161	3.007	12.4	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
418126 2007 YD_{64}			7 24.2 228°.77		0°.4/24.4 17	
	h m	° ′			°	m
6 20	20 42.96	−17 36.0	1.762	2.626	14.3	22.4
6 30	20 37.23	−17 51.5	1.678	2.616	10.8	22.2
7 10	20 29.13	−18 14.8	1.617	2.605	6.6	21.9
7 20	20 19.32	−18 42.9	1.581	2.594	2.1	21.6
7 30	20 8.80	−19 11.7	1.572	2.583	2.7	21.6
8 9	19 58.79	−19 37.7	1.590	2.571	7.3	21.9
8 19	19 50.38	−19 58.3	1.633	2.558	11.5	22.1
8 29	19 44.43	−20 12.2	1.698	2.545	15.2	22.3
367932 2012 CJ_{21}			7 24.2 192°.71		1°.2/23.8 17	
6 20	20 45.18	−22 14.5	1.534	2.409	15.4	21.2
6 30	20 39.06	−22 21.7	1.465	2.409	11.5	20.9
7 10	20 30.27	−22 32.2	1.417	2.408	7.0	20.7
7 20	20 19.64	−22 41.8	1.393	2.407	2.3	20.4
7 30	20 8.42	−22 46.5	1.396	2.406	3.4	20.5
8 9	19 58.02	−22 43.9	1.425	2.404	8.2	20.7
8 19	19 49.62	−22 33.3	1.478	2.402	12.6	21.0
8 29	19 44.09	−22 15.6	1.551	2.400	16.3	21.2
77582 2001 KH_{14}			7 24.2 37°.44		1°.7/23.3 17	
6 20	20 40.31	−20 35.3	1.423	2.308	15.8	19.2
6 30	20 35.61	−21 27.1	1.361	2.310	11.7	19.0
7 10	20 28.27	−22 27.0	1.320	2.313	7.1	18.7
7 20	20 19.06	−23 28.9	1.303	2.316	2.5	18.5
7 30	20 9.21	−24 25.8	1.311	2.319	3.9	18.6
8 9	20 0.14	−25 12.0	1.344	2.322	8.6	18.9
8 19	19 53.03	−25 44.7	1.400	2.326	13.0	19.1
8 29	19 48.77	−26 3.2	1.476	2.329	16.8	19.4
262466 2006 UL_{146}			7 24.2 338°.56		5°.4/26.3 17	
6 20	20 36.67	− 9 2.7	1.186	2.062	18.9	20.6
6 30	20 33.25	− 8 33.6	1.116	2.053	15.0	20.3
7 10	20 27.02	− 8 22.7	1.064	2.044	10.6	20.1
7 20	20 18.73	− 8 30.9	1.033	2.036	6.5	19.8
7 30	20 9.62	− 8 56.4	1.024	2.029	5.8	19.8
8 9	20 1.20	− 9 34.9	1.038	2.023	9.5	19.9
8 19	19 54.79	−10 20.6	1.073	2.017	14.2	20.2
8 29	19 51.38	−11 7.4	1.126	2.013	18.5	20.4
519704 2013 AZ_{187}			7 24.2 62°.01		0°.6/24.5 15	
6 20	20 38.85	−17 26.1	2.007	2.871	12.8	21.6
6 30	20 33.64	−17 32.8	1.948	2.886	9.5	21.4
7 10	20 26.64	−17 45.5	1.912	2.900	5.8	21.2
7 20	20 18.49	−18 1.9	1.902	2.915	1.9	21.0
7 30	20 10.06	−18 19.3	1.920	2.931	2.3	21.0
8 9	20 2.26	−18 35.1	1.964	2.946	6.1	21.3
8 19	19 55.87	−18 47.6	2.035	2.961	9.5	21.5
8 29	19 51.48	−18 55.6	2.128	2.976	12.5	21.8
521073 2015 DQ_{239}			7 24.2 29°.49		2°.5/25.9 18	
6 20	20 36.62	− 9 13.2	1.609	2.467	15.7	21.1
6 30	20 32.52	−10 6.0	1.541	2.471	12.1	20.8
7 10	20 26.24	−11 17.6	1.495	2.476	8.0	20.6
7 20	20 18.44	−12 44.1	1.472	2.481	3.8	20.4
7 30	20 10.09	−14 19.5	1.476	2.486	3.2	20.3
8 9	20 2.31	−15 56.2	1.507	2.491	7.1	20.6
8 19	19 56.07	−17 27.5	1.562	2.497	11.2	20.9
8 29	19 52.17	−18 48.5	1.640	2.503	14.9	21.1
446462 2014 JA_{71}			7 24.2 61°.70		3°.4/22.3 18	
6 20	20 40.18	−28 10.2	2.043	2.917	12.2	21.4
6 30	20 34.81	−28 46.9	1.983	2.925	9.1	21.2
7 10	20 27.44	−29 22.3	1.946	2.933	5.9	21.0
7 20	20 18.76	−29 51.7	1.935	2.941	3.5	20.9
7 30	20 9.72	−30 11.2	1.951	2.949	4.5	21.0
8 9	20 1.34	−30 18.5	1.994	2.957	7.5	21.2
8 19	19 54.49	−30 13.6	2.062	2.965	10.6	21.4
8 29	19 49.82	−29 57.7	2.152	2.974	13.3	21.6
522795 2016 NZ_{78}			7 24.2 103°.44		5°.2/22.4 18	
6 20	20 47.89	−33 19.5	1.775	2.643	14.0	20.8
6 30	20 40.79	−33 36.9	1.714	2.649	10.8	20.6
7 10	20 31.14	−33 47.1	1.677	2.655	7.5	20.4
7 20	20 19.87	−33 44.5	1.664	2.662	5.3	20.3
7 30	20 8.26	−33 25.6	1.678	2.668	6.1	20.3
8 9	19 57.66	−32 49.9	1.718	2.673	9.1	20.5
8 19	19 49.17	−31 59.9	1.782	2.679	12.3	20.7
8 29	19 43.49	−30 59.8	1.869	2.685	15.3	20.9
207957 1995 FN_{7}			7 24.2 69°.52		1°.7/25.1 17	
6 20	20 40.55	−13 10.1	1.326	2.201	17.4	19.8
6 30	20 35.72	−13 42.5	1.271	2.212	13.2	19.6
7 10	20 28.27	−14 30.5	1.236	2.224	8.3	19.4
7 20	20 19.05	−15 29.7	1.224	2.236	3.3	19.1
7 30	20 9.32	−16 34.0	1.237	2.248	3.2	19.1
8 9	20 0.47	−17 36.7	1.275	2.260	8.1	19.5
8 19	19 53.63	−18 32.6	1.336	2.272	12.6	19.8
8 29	19 49.63	−19 18.6	1.418	2.285	16.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501855 2014 WA_{223}			7 24.2 288°.01		1°.6/24.8 17	
	h m	° ′			°	m
6 20	20 41.05	−15 35.1	1.314	2.194	17.2	21.6
6 30	20 36.55	−15 36.3	1.232	2.177	13.2	21.3
7 10	20 29.11	−15 49.3	1.170	2.159	8.4	21.0
7 20	20 19.41	−16 11.9	1.129	2.142	3.2	20.6
7 30	20 8.70	−16 39.9	1.113	2.124	3.4	20.6
8 9	19 58.54	−17 8.9	1.121	2.107	8.8	20.9
8 19	19 50.35	−17 34.9	1.152	2.090	14.1	21.1
8 29	19 45.25	−17 55.2	1.202	2.073	18.6	21.3
49377 1998 WP_{41}			7 24.2 155°.70		3°.7/26.2 18	
6 20	20 38.81	− 8 49.9	2.128	2.965	13.2	19.3
6 30	20 33.61	− 8 36.3	2.053	2.968	10.3	19.1
7 10	20 26.66	− 8 34.1	2.001	2.971	7.2	18.9
7 20	20 18.54	− 8 42.8	1.974	2.973	4.4	18.7
7 30	20 10.03	− 9 0.9	1.974	2.976	3.9	18.7
8 9	20 2.00	− 9 25.9	2.002	2.978	6.4	18.9
8 19	19 55.21	− 9 54.8	2.055	2.980	9.5	19.1
8 29	19 50.28	−10 24.9	2.132	2.982	12.4	19.3
504912 2011 BR_{4}			7 24.2 177°.92		0°.5/24.5 17	
6 20	20 41.76	−16 38.7	1.896	2.756	13.6	22.3
6 30	20 36.08	−17 0.4	1.823	2.758	10.2	22.1
7 10	20 28.29	−17 30.2	1.772	2.759	6.3	21.8
7 20	20 19.06	−18 5.1	1.747	2.760	2.0	21.6
7 30	20 9.32	−18 41.1	1.749	2.760	2.5	21.6
8 9	20 0.14	−19 14.6	1.779	2.760	6.7	21.9
8 19	19 52.45	−19 43.1	1.835	2.759	10.5	22.1
8 29	19 47.00	−20 4.9	1.913	2.757	13.9	22.3
266718 2009 QC_{57}			7 24.2 315°.15		2°.1/25.2 18	
6 20	20 37.57	−13 27.1	1.381	2.258	16.7	20.5
6 30	20 33.73	−13 38.7	1.302	2.245	12.8	20.2
7 10	20 27.26	−14 4.9	1.244	2.231	8.3	19.9
7 20	20 18.83	−14 43.5	1.207	2.218	3.5	19.6
7 30	20 9.56	−15 30.1	1.195	2.206	3.4	19.5
8 9	20 0.84	−16 19.3	1.208	2.194	8.3	19.8
8 19	19 53.91	−17 6.1	1.243	2.183	13.1	20.0
8 29	19 49.77	−17 46.5	1.298	2.172	17.3	20.3
514018 2014 JZ_{84}			7 24.2 68°.38		1°.4/25.2 18	
6 20	20 36.13	−12 55.1	2.199	3.052	12.2	21.4
6 30	20 31.65	−13 30.0	2.124	3.054	9.3	21.2
7 10	20 25.50	−14 15.5	2.072	3.056	5.9	21.0
7 20	20 18.20	−15 8.8	2.047	3.057	2.4	20.7
7 30	20 10.48	−16 6.4	2.049	3.059	2.3	20.7
8 9	20 3.18	−17 4.0	2.079	3.061	5.7	21.0
8 19	19 57.03	−17 58.2	2.135	3.062	9.1	21.2
8 29	19 52.66	−18 46.3	2.215	3.064	12.1	21.4
337079 1998 RQ_{21}			7 24.2 278°.45		3°.0/22.8 18	
6 20	20 41.44	−26 26.2	1.855	2.731	13.2	21.0
6 30	20 36.03	−26 55.0	1.781	2.725	9.8	20.8
7 10	20 28.35	−27 24.1	1.731	2.720	6.2	20.5
7 20	20 19.10	−27 48.8	1.706	2.715	3.2	20.3
7 30	20 9.30	−28 4.6	1.707	2.710	4.3	20.4
8 9	20 0.13	−28 9.0	1.735	2.704	7.9	20.6
8 19	19 52.59	−28 1.5	1.787	2.699	11.5	20.8
8 29	19 47.48	−27 43.3	1.861	2.694	14.7	21.0
444288 2005 UE_{473}			7 24.2 340°.36		7°.2/26.9 15	
6 20	20 36.29	− 4 9.2	1.689	2.525	16.1	21.0
6 30	20 32.24	− 3 5.2	1.608	2.513	13.2	20.8
7 10	20 26.09	− 2 16.0	1.548	2.502	10.3	20.6
7 20	20 18.44	− 1 44.2	1.511	2.492	7.9	20.4
7 30	20 10.19	− 1 31.1	1.498	2.482	7.4	20.4
8 9	20 2.40	− 1 35.7	1.509	2.473	9.3	20.5
8 19	19 56.04	− 1 54.8	1.543	2.465	12.2	20.6
8 29	19 51.88	− 2 24.0	1.598	2.458	15.3	20.8
469965 2006 DR_{88}			7 24.2 337°.38		8°.5/29.2 18	
6 20	20 32.54	+ 0 52.0	1.373	2.209	19.1	20.0
6 30	20 29.91	+ 1 2.1	1.294	2.195	16.1	19.7
7 10	20 24.91	+ 0 44.1	1.232	2.181	12.7	19.5
7 20	20 18.13	− 0 4.4	1.190	2.168	9.7	19.3
7 30	20 10.58	− 1 22.1	1.170	2.157	8.5	19.2
8 9	20 3.49	− 3 2.9	1.173	2.146	10.2	19.3
8 19	19 58.00	− 4 57.8	1.198	2.137	13.5	19.4
8 29	19 55.07	− 6 56.4	1.244	2.129	17.2	19.6
190617 Alexandergerst			7 24.2 292°.61		2°.9/25.4 18	
6 20	20 39.93	−12 30.6	1.724	2.583	14.8	20.5
6 30	20 35.23	−12 21.5	1.621	2.551	11.6	20.2
7 10	20 28.11	−12 23.5	1.538	2.520	7.7	19.9
7 20	20 19.12	−12 35.9	1.480	2.488	3.9	19.6
7 30	20 9.17	−12 56.7	1.448	2.456	3.6	19.5
8 9	19 59.45	−13 23.0	1.441	2.424	7.7	19.7
8 19	19 51.12	−13 51.3	1.460	2.391	12.2	19.8
8 29	19 45.17	−14 18.6	1.499	2.359	16.2	20.0

310688 2002 GN_{110} 7 24.2 127°.37 0°.8/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.95	−19 18.1	1.619	2.489	15.0	21.4
6 30	20 37.93	−19 55.8	1.559	2.501	11.1	21.1
7 10	20 29.49	−20 40.6	1.522	2.513	6.7	20.9
7 20	20 19.44	−21 27.7	1.510	2.524	2.0	20.6
7 30	20 8.92	−22 11.6	1.525	2.535	3.1	20.7
8 9	19 59.20	−22 48.0	1.567	2.545	7.6	21.0
8 19	19 51.34	−23 14.6	1.633	2.555	11.7	21.3
8 29	19 46.11	−23 30.9	1.721	2.564	15.2	21.6

476586 2008 RV_{135} 7 24.2 320°.87 2°.7/25.6 18

6 20	20 35.74	−11 48.9	1.423	2.297	16.5	20.8
6 30	20 32.34	−12 3.1	1.340	2.279	12.8	20.5
7 10	20 26.43	−12 33.8	1.276	2.261	8.4	20.2
7 20	20 18.61	−13 19.3	1.235	2.244	4.0	19.9
7 30	20 9.94	−14 15.3	1.218	2.228	3.6	19.8
8 9	20 1.72	−15 16.2	1.225	2.212	8.1	20.0
8 19	19 55.17	−16 16.0	1.256	2.197	12.9	20.3
8 29	19 51.28	−17 9.9	1.307	2.183	17.1	20.5

140391 2001 TQ_{55} 7 24.2 233°.18 0°.2/24.1 18

6 20	20 38.73	−18 54.5	2.312	3.173	11.5	20.1
6 30	20 33.59	−19 14.4	2.228	3.165	8.5	19.9
7 10	20 26.70	−19 39.5	2.168	3.157	5.2	19.7
7 20	20 18.60	−20 7.1	2.135	3.149	1.6	19.4
7 30	20 10.03	−20 34.3	2.130	3.140	2.2	19.5
8 9	20 1.86	−20 58.3	2.152	3.131	5.8	19.7
8 19	19 54.86	−21 17.1	2.202	3.122	9.2	19.9
8 29	19 49.67	−21 29.9	2.274	3.112	12.2	20.1

196551 2003 QW_{6} 7 24.2 300°.17 0°.1/24.2 18

6 20	20 39.81	−19 7.7	1.689	2.563	14.3	20.0
6 30	20 34.99	−19 15.5	1.608	2.552	10.7	19.7
7 10	20 27.83	−19 29.7	1.549	2.540	6.6	19.5
7 20	20 18.99	−19 47.2	1.515	2.529	2.0	19.2
7 30	20 9.50	−20 4.4	1.507	2.518	2.7	19.2
8 9	20 0.54	−20 18.2	1.525	2.507	7.4	19.4
8 19	19 53.21	−20 26.6	1.567	2.496	11.6	19.7
8 29	19 48.32	−20 28.7	1.630	2.485	15.3	19.9

87577 2000 RH_{15} 7 24.2 167°.16 1°.2/24.8 18

6 20	20 42.46	−16 12.9	2.036	2.890	13.0	19.3
6 30	20 36.40	−16 7.4	1.962	2.894	9.8	19.1
7 10	20 28.41	−16 8.4	1.912	2.897	6.1	18.9
7 20	20 19.11	−16 13.9	1.888	2.900	2.3	18.7
7 30	20 9.40	−16 21.9	1.892	2.902	2.5	18.7
8 9	20 0.27	−16 30.0	1.923	2.904	6.3	18.9
8 19	19 52.56	−16 36.7	1.981	2.905	9.9	19.1
8 29	19 46.96	−16 40.9	2.062	2.906	13.0	19.4

504451 2008 CV_{124} 7 24.2 220°.63 0°.6/24.5 17

6 20	20 43.05	−17 3.2	1.867	2.726	13.8	22.9
6 30	20 37.19	−17 17.5	1.782	2.717	10.4	22.7
7 10	20 29.09	−17 39.6	1.721	2.708	6.4	22.4
7 20	20 19.37	−18 6.5	1.685	2.698	2.1	22.1
7 30	20 8.99	−18 34.7	1.676	2.687	2.6	22.1
8 9	19 59.10	−19 0.8	1.695	2.675	7.0	22.4
8 19	19 50.72	−19 22.2	1.740	2.663	11.0	22.6
8 29	19 44.66	−19 37.8	1.807	2.651	14.6	22.8

9250 Chamberlin 7 24.2 45°.46 8°.8/31.4 18

6 20	20 35.10	+ 7 7.2	1.927	2.699	16.7	17.9
6 30	20 30.94	+ 7 18.8	1.870	2.717	14.3	17.7
7 10	20 25.07	+ 7 5.9	1.830	2.735	11.9	17.6
7 20	20 18.09	+ 6 27.3	1.812	2.754	9.8	17.5
7 30	20 10.81	+ 5 24.6	1.818	2.772	8.8	17.5
8 9	20 4.08	+ 4 2.3	1.849	2.792	9.4	17.6
8 19	19 58.65	+ 2 27.0	1.904	2.811	11.1	17.7
8 29	19 55.10	+ 0 45.6	1.982	2.831	13.3	17.9

21576 McGivney 7 24.2 43°.74 0°.3/24.4 18

6 20	20 37.10	−17 17.9	1.989	2.856	12.8	18.2
6 30	20 32.47	−17 39.1	1.927	2.867	9.5	18.0
7 10	20 26.02	−18 7.4	1.888	2.877	5.8	17.8
7 20	20 18.39	−18 39.7	1.875	2.889	1.8	17.6
7 30	20 10.42	−19 12.7	1.889	2.900	2.3	17.6
8 9	20 3.03	−19 42.9	1.930	2.911	6.1	17.9
8 19	19 57.00	−20 8.3	1.996	2.923	9.6	18.2
8 29	19 52.94	−20 27.3	2.085	2.935	12.6	18.4

521430 2015 MQ_{149} 7 24.2 272°.62 4°.7/26.9 18

6 20	20 36.83	− 5 47.9	2.220	3.046	13.1	21.3
6 30	20 32.20	− 5 28.2	2.132	3.036	10.5	21.1
7 10	20 25.88	− 5 21.3	2.067	3.026	7.7	20.9
7 20	20 18.38	− 5 27.4	2.026	3.016	5.3	20.8
7 30	20 10.40	− 5 45.7	2.013	3.007	4.8	20.7
8 9	20 2.78	− 6 13.9	2.025	2.997	6.8	20.8
8 19	19 56.25	− 6 49.0	2.064	2.987	9.6	21.0
8 29	19 51.46	− 7 27.6	2.126	2.977	12.4	21.1

334020 2000 WL_{45} 7 24.2 301°.61 5°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.56	− 7 31.8	1.621	2.471	16.0	20.4
6 30	20 33.38	− 7 14.4	1.535	2.455	12.8	20.1
7 10	20 26.92	− 7 12.9	1.468	2.439	9.2	19.9
7 20	20 18.76	− 7 27.7	1.425	2.423	5.9	19.7
7 30	20 9.85	− 7 57.4	1.407	2.408	5.3	19.6
8 9	20 1.36	− 8 38.5	1.413	2.392	8.2	19.7
8 19	19 54.35	− 9 26.4	1.443	2.377	12.1	19.9
8 29	19 49.72	−10 16.2	1.495	2.362	15.8	20.1

141416 2002 BR_{19} 7 24.2 141°.42 1°.2/23.4 18

6 20	20 38.45	−22 20.3	2.896	3.753	9.5	20.7
6 30	20 32.98	−22 53.0	2.829	3.765	7.0	20.6
7 10	20 26.15	−23 27.8	2.788	3.776	4.2	20.4
7 20	20 18.41	−24 1.8	2.775	3.787	1.5	20.2
7 30	20 10.41	−24 32.3	2.791	3.797	2.3	20.3
8 9	20 2.82	−24 57.1	2.836	3.807	5.1	20.5
8 19	19 56.23	−25 15.2	2.909	3.816	7.7	20.7
8 29	19 51.13	−25 26.1	3.006	3.825	10.0	20.8

125224 2001 UC_{158} 7 24.2 175°.37 2°.5/22.8 18

6 20	20 42.41	−24 31.4	1.955	2.826	12.8	20.6
6 30	20 36.63	−25 16.2	1.886	2.828	9.5	20.4
7 10	20 28.68	−26 3.3	1.840	2.829	5.9	20.1
7 20	20 19.25	−26 47.8	1.820	2.830	2.8	20.0
7 30	20 9.30	−27 24.6	1.828	2.831	3.9	20.0
8 9	19 59.94	−27 50.5	1.862	2.831	7.5	20.2
8 19	19 52.14	−28 4.3	1.922	2.831	11.0	20.5
8 29	19 46.65	−28 6.4	2.004	2.830	14.0	20.7

93531 2000 UA_{7} 7 24.2 325°.75 11°.0/17.9 18

6 20	20 41.35	−40 1.3	1.354	2.239	16.5	18.9
6 30	20 37.49	−41 45.9	1.288	2.221	13.8	18.7
7 10	20 30.05	−43 21.8	1.243	2.203	11.6	18.5
7 20	20 19.85	−44 36.7	1.220	2.186	11.1	18.4
7 30	20 8.46	−45 19.9	1.218	2.170	12.5	18.5
8 9	19 57.90	−45 26.7	1.237	2.154	15.2	18.6
8 19	19 49.96	−44 59.0	1.274	2.140	18.3	18.7
8 29	19 45.86	−44 2.9	1.328	2.126	21.2	18.9

267730 2003 FL_{8} 7 24.2 208°.69 15°.1/ 2.7 17

6 20	20 41.24	+15 8.8	1.431	2.169	22.9	20.7
6 30	20 36.41	+15 58.2	1.357	2.165	20.7	20.6
7 10	20 28.92	+16 11.3	1.297	2.160	18.4	20.4
7 20	20 19.43	+15 41.6	1.253	2.155	16.4	20.2
7 30	20 9.08	+14 26.1	1.230	2.149	15.2	20.2
8 9	19 59.24	+12 28.4	1.227	2.143	15.4	20.1
8 19	19 51.19	+ 9 58.3	1.245	2.135	17.0	20.2
8 29	19 45.94	+ 7 9.1	1.284	2.128	19.3	20.4

316984 2001 JC 7 24.3 45°.24 3°.7/25.9 17

6 20	20 39.82	−10 46.9	1.220	2.095	18.6	19.9
6 30	20 35.22	−10 44.0	1.174	2.112	14.3	19.7
7 10	20 28.00	−10 58.6	1.146	2.129	9.5	19.5
7 20	20 19.06	−11 28.4	1.139	2.147	4.9	19.3
7 30	20 9.73	−12 9.0	1.157	2.165	4.3	19.3
8 9	20 1.41	−12 54.9	1.198	2.184	8.4	19.6
8 19	19 55.20	−13 40.7	1.262	2.203	12.8	19.9
8 29	19 51.86	−14 22.1	1.345	2.223	16.6	20.2

333296 2000 SG_{16} 7 24.3 342°.10 2°.9/23.4 18

6 20	20 44.05	−26 47.6	1.488	2.371	15.4	19.6
6 30	20 38.39	−26 48.7	1.419	2.367	11.5	19.3
7 10	20 29.98	−26 47.9	1.372	2.363	7.2	19.1
7 20	20 19.69	−26 40.9	1.349	2.360	3.3	18.8
7 30	20 8.84	−26 23.8	1.351	2.357	4.4	18.9
8 9	19 58.87	−25 55.6	1.378	2.354	8.7	19.1
8 19	19 51.02	−25 17.2	1.429	2.352	13.0	19.4
8 29	19 46.12	−24 31.4	1.500	2.350	16.7	19.6

202576 2006 FC_{17} 7 24.3 278°.23 1°.0/23.8 18

6 20	20 40.13	−20 45.6	1.789	2.663	13.7	20.5
6 30	20 35.16	−21 9.3	1.710	2.653	10.2	20.2
7 10	20 27.93	−21 38.5	1.652	2.643	6.2	20.0
7 20	20 19.08	−22 9.4	1.620	2.633	2.0	19.7
7 30	20 9.60	−22 37.6	1.614	2.623	3.0	19.7
8 9	20 0.65	−22 59.7	1.635	2.614	7.3	20.0
8 19	19 53.24	−23 13.6	1.680	2.604	11.3	20.2
8 29	19 48.20	−23 18.8	1.747	2.594	14.9	20.4

380852 2006 BZ_{78} 7 24.3 168°.41 2°.2/25.8 17

6 20	20 39.10	− 9 52.6	2.135	2.974	13.1	21.4
6 30	20 33.93	−10 36.3	2.057	2.977	10.0	21.2
7 10	20 26.97	−11 33.8	2.003	2.980	6.6	21.0
7 20	20 18.75	−12 42.0	1.976	2.983	3.2	20.8
7 30	20 10.07	−13 56.9	1.976	2.985	2.7	20.7
8 9	20 1.80	−15 13.4	2.006	2.987	6.0	21.0
8 19	19 54.75	−16 26.9	2.062	2.988	9.4	21.2
8 29	19 49.59	−17 33.8	2.143	2.989	12.5	21.4

296549 2009 PY_{19} 7 24.3 339°.19 4°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.60	−13 42.3	1.639	2.501	15.3	19.2
6 30	20 36.32	−12 17.3	1.553	2.483	12.0	19.0
7 10	20 28.66	−10 56.3	1.488	2.466	8.3	18.7
7 20	20 19.31	− 9 41.2	1.448	2.451	5.0	18.5
7 30	20 9.30	− 8 34.6	1.434	2.436	5.0	18.4
8 9	19 59.85	− 7 37.9	1.446	2.422	8.4	18.6
8 19	19 52.03	− 6 51.7	1.482	2.410	12.3	18.8
8 29	19 46.70	− 6 15.1	1.540	2.398	15.9	19.0

365257 2009 PT 7 24.3 317°.73 6°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.35	−38 14.7	2.074	2.939	12.4	20.4
6 30	20 36.82	−38 59.9	2.001	2.926	10.0	20.2
7 10	20 28.92	−39 37.0	1.951	2.914	7.9	20.0
7 20	20 19.37	−39 59.9	1.925	2.902	6.8	19.9
7 30	20 9.26	−40 3.9	1.925	2.890	7.7	20.0
8 9	19 59.81	−39 47.2	1.950	2.879	9.9	20.1
8 19	19 52.09	−39 11.3	1.999	2.867	12.5	20.2
8 29	19 46.89	−38 19.5	2.068	2.857	14.9	20.4

506954 2008 LY_{10} 7 24.3 35°.32 10°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.60	+ 1 16.3	1.452	2.270	19.1	20.8
6 30	20 34.85	+ 2 32.6	1.392	2.276	16.2	20.6
7 10	20 27.74	+ 3 26.3	1.349	2.282	13.2	20.4
7 20	20 19.01	+ 3 53.3	1.328	2.289	10.8	20.3
7 30	20 9.76	+ 3 52.3	1.329	2.296	10.1	20.3
8 9	20 1.20	+ 3 25.7	1.352	2.303	11.4	20.4
8 19	19 54.40	+ 2 39.0	1.398	2.311	14.0	20.5
8 29	19 50.14	+ 1 39.6	1.464	2.319	16.7	20.7

257473 1994 SC_{4} 7 24.3 213°.20 0°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.42	−17 20.1	3.084	3.931	9.2	22.6
6 30	20 32.25	−17 37.9	2.993	3.922	6.9	22.5
7 10	20 25.76	−18 0.3	2.928	3.913	4.2	22.3
7 20	20 18.36	−18 25.4	2.891	3.904	1.4	22.0
7 30	20 10.62	−18 51.1	2.883	3.894	1.7	22.1
8 9	20 3.15	−19 15.5	2.905	3.883	4.6	22.3
8 19	19 56.52	−19 36.8	2.955	3.872	7.3	22.4
8 29	19 51.22	−19 54.0	3.030	3.860	9.6	22.6

376877 2001 VV_{85} 7 24.3 190°.05 1°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.26	−23 22.0	2.320	3.179	11.5	22.1
6 30	20 36.95	−23 48.0	2.241	3.178	8.5	21.9
7 10	20 28.77	−24 15.9	2.187	3.176	5.2	21.7
7 20	20 19.30	−24 42.2	2.161	3.173	2.0	21.5
7 30	20 9.38	−25 3.5	2.163	3.169	3.0	21.6
8 9	19 59.94	−25 17.2	2.194	3.165	6.3	21.8
8 19	19 51.83	−25 22.5	2.252	3.160	9.6	22.0
8 29	19 45.71	−25 19.6	2.333	3.155	12.4	22.2

147777 2005 QV_{103} 7 24.3 181°.88 2°.4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.22	−12 56.0	1.766	2.622	14.6	20.4
6 30	20 35.81	−12 54.5	1.692	2.622	11.2	20.2
7 10	20 28.24	−13 3.9	1.641	2.622	7.3	20.0
7 20	20 19.17	−13 22.3	1.614	2.622	3.4	19.8
7 30	20 9.58	−13 47.1	1.613	2.622	3.2	19.7
8 9	20 0.57	−14 15.0	1.639	2.621	7.0	20.0
8 19	19 53.10	−14 42.8	1.691	2.620	10.9	20.2
8 29	19 47.94	−15 8.0	1.764	2.619	14.4	20.4

193413 2000 WH_{61} 7 24.3 300°.85 3°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.25	−23 32.8	1.600	2.485	14.4	19.0
6 30	20 35.19	−24 58.5	1.504	2.454	10.9	18.7
7 10	20 28.39	−26 34.8	1.431	2.422	6.9	18.4
7 20	20 19.37	−28 14.2	1.382	2.391	3.8	18.2
7 30	20 9.13	−29 47.5	1.359	2.360	5.6	18.2
8 9	19 59.07	−31 6.5	1.362	2.328	9.9	18.3
8 19	19 50.60	−32 6.0	1.388	2.297	14.3	18.5
8 29	19 44.91	−32 44.8	1.434	2.266	18.3	18.7

436506 2011 FE_{12} 7 24.3 74°.42 11°.1/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.84	−45 57.0	1.679	2.530	15.5	20.4
6 30	20 43.05	−47 28.0	1.642	2.543	13.3	20.3
7 10	20 32.93	−48 41.8	1.626	2.556	11.6	20.2
7 20	20 20.60	−49 29.0	1.633	2.568	11.1	20.2
7 30	20 7.76	−49 43.5	1.662	2.581	12.0	20.3
8 9	19 56.24	−49 24.9	1.714	2.594	13.7	20.4
8 19	19 47.46	−48 38.0	1.786	2.607	15.7	20.6
8 29	19 42.25	−47 29.7	1.875	2.620	17.7	20.8

506257 2016 PP_{62} 7 24.3 53°.69 7°.3/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.41	−32 58.1	1.539	2.424	14.9	20.5
6 30	20 37.39	−34 45.0	1.489	2.430	11.6	20.3
7 10	20 29.52	−36 28.1	1.461	2.438	8.6	20.1
7 20	20 19.61	−37 57.3	1.458	2.445	7.3	20.1
7 30	20 9.01	−39 3.9	1.479	2.453	8.7	20.2
8 9	19 59.25	−39 43.5	1.525	2.460	11.6	20.4
8 19	19 51.64	−39 56.7	1.592	2.468	14.7	20.6
8 29	19 47.08	−39 47.0	1.678	2.476	17.5	20.8

125327 2001 VQ_{44} 7 24.3 250°.85 2°.2/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.38	−13 2.3	1.872	2.726	14.0	19.7
6 30	20 35.24	−13 4.4	1.784	2.713	10.8	19.5
7 10	20 27.95	−13 17.1	1.718	2.700	7.0	19.3
7 20	20 19.12	−13 38.7	1.678	2.687	3.3	19.0
7 30	20 9.63	−14 6.7	1.664	2.673	3.0	18.9
8 9	20 0.56	−14 37.7	1.677	2.659	6.9	19.2
8 19	19 52.87	−15 8.5	1.716	2.644	10.8	19.4
8 29	19 47.38	−15 36.6	1.777	2.630	14.4	19.6

348398 2005 HK_{9} 7 24.3 253°.36 3°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.51	−25 36.0	2.086	2.959	12.0	20.6
6 30	20 34.56	−26 45.3	2.007	2.949	9.0	20.4
7 10	20 27.53	−27 57.9	1.952	2.940	5.7	20.2
7 20	20 18.99	−29 8.0	1.923	2.930	3.3	20.0
7 30	20 9.81	−30 9.9	1.923	2.920	4.6	20.0
8 9	20 1.02	−30 59.1	1.949	2.910	7.8	20.2
8 19	19 53.58	−31 33.4	2.001	2.900	11.1	20.4
8 29	19 48.29	−31 52.9	2.074	2.890	14.0	20.6

441405 2008 FJ_{130} 7 24.3 280°.84 8°.0/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.43	+ 5 24.7	2.328	3.096	14.3	21.6
6 30	20 31.09	+ 5 56.0	2.249	3.094	12.3	21.4
7 10	20 25.20	+ 6 8.7	2.189	3.092	10.3	21.3
7 20	20 18.24	+ 6 0.9	2.151	3.091	8.6	21.2
7 30	20 10.88	+ 5 32.6	2.139	3.089	8.0	21.2
8 9	20 3.87	+ 4 46.1	2.151	3.087	8.7	21.2
8 19	19 57.89	+ 3 45.2	2.189	3.086	10.3	21.3
8 29	19 53.54	+ 2 35.1	2.249	3.084	12.4	21.4

127113 2002 GO_{97} 7 24.3 78°.89 1°.6/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.30	−14 34.5	1.725	2.588	14.6	20.8
6 30	20 35.06	−14 42.7	1.664	2.600	11.0	20.6
7 10	20 27.72	−15 0.8	1.626	2.611	6.9	20.4
7 20	20 19.01	−15 26.2	1.612	2.623	2.8	20.1
7 30	20 9.91	−15 55.6	1.625	2.635	2.7	20.1
8 9	20 1.51	−16 25.4	1.664	2.647	6.8	20.4
8 19	19 54.71	−16 52.6	1.728	2.659	10.6	20.7
8 29	19 50.21	−17 15.3	1.814	2.670	14.0	20.9

35421 1998 AO_{6} 7 24.3 198°.90 1°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 45.02	−23 29.9	1.975	2.839	13.0	18.9
6 30	20 38.50	−23 30.2	1.899	2.837	9.7	18.7
7 10	20 29.80	−23 31.2	1.846	2.835	5.9	18.5
7 20	20 19.65	−23 29.9	1.819	2.832	2.1	18.2
7 30	20 9.03	−23 23.5	1.820	2.828	3.0	18.3
8 9	19 59.05	−23 10.6	1.849	2.824	6.9	18.5
8 19	19 50.68	−22 51.0	1.903	2.820	10.6	18.7
8 29	19 44.63	−22 25.7	1.981	2.815	13.8	18.9

218581 2005 JA_{127} 7 24.3 21°.13 9°.9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 32.89	+ 1 3.6	1.002	1.861	22.9	18.9
6 30	20 30.50	+ 1 27.8	0.957	1.872	19.1	18.7
7 10	20 25.36	+ 1 17.2	0.928	1.884	15.0	18.5
7 20	20 18.34	+ 0 30.2	0.916	1.898	11.4	18.4
7 30	20 10.81	− 0 49.6	0.925	1.914	9.9	18.4
8 9	20 4.23	− 2 32.9	0.954	1.931	11.4	18.5
8 19	19 59.80	− 4 27.6	1.003	1.949	14.7	18.8
8 29	19 58.33	− 6 22.0	1.071	1.969	18.3	19.1

508121 2015 DL_{229} 7 24.3 330°.33 1°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.48	−15 3.6	1.606	2.476	15.2	21.4
6 30	20 34.76	−15 20.4	1.535	2.474	11.5	21.2
7 10	20 27.72	−15 48.4	1.485	2.473	7.2	21.0
7 20	20 19.06	−16 24.4	1.459	2.471	2.7	20.7
7 30	20 9.80	−17 4.5	1.459	2.470	2.8	20.7
8 9	20 1.16	−17 43.9	1.485	2.469	7.3	21.0
8 19	19 54.17	−18 19.3	1.535	2.468	11.6	21.2
8 29	19 49.64	−18 48.2	1.607	2.467	15.3	21.4

453662 2010 TL_{188} 7 24.3 342°.99 9°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.98	−39 56.4	1.821	2.693	13.5	19.6
6 30	20 35.64	−41 53.9	1.763	2.686	11.3	19.5
7 10	20 28.53	−43 43.7	1.728	2.679	9.6	19.4
7 20	20 19.36	−45 16.1	1.717	2.673	9.2	19.3
7 30	20 9.32	−46 23.1	1.731	2.667	10.5	19.4
8 9	19 59.87	−47 0.8	1.767	2.662	12.6	19.5
8 19	19 52.33	−47 9.7	1.824	2.658	15.0	19.7
8 29	19 47.71	−46 53.8	1.899	2.654	17.2	19.8

309748 2008 UM_{316} 7 24.3 195°.86 1°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.23	−15 9.3	1.466	2.335	16.4	21.4
6 30	20 37.77	−15 23.3	1.395	2.334	12.4	21.1
7 10	20 29.66	−15 49.0	1.345	2.333	7.8	20.8
7 20	20 19.67	−16 23.3	1.318	2.331	2.9	20.5
7 30	20 8.98	−17 1.5	1.318	2.328	3.0	20.5
8 9	19 58.98	−17 39.0	1.342	2.326	8.0	20.8
8 19	19 50.89	−18 12.0	1.391	2.323	12.6	21.1
8 29	19 45.59	−18 38.4	1.460	2.319	16.6	21.3

463873 2014 UX_{43} 7 24.3 359°.42 1°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.57	−21 50.3	1.095	1.995	18.4	20.4
6 30	20 37.22	−21 57.9	1.036	1.993	13.8	20.2
7 10	20 29.60	−22 11.1	0.996	1.991	8.4	19.9
7 20	20 19.68	−22 24.8	0.977	1.991	2.7	19.5
7 30	20 9.02	−22 33.8	0.981	1.991	4.0	19.6
8 9	19 59.42	−22 34.4	1.007	1.992	9.7	19.9
8 19	19 52.32	−22 25.6	1.054	1.994	14.9	20.2
8 29	19 48.70	−22 8.0	1.120	1.996	19.3	20.5

200695 2001 UD_{58} 7 24.3 125°.17 4°.1/25.9 17

6 20	20 42.61	−10 5.3	1.405	2.264	17.5	20.4
6 30	20 37.23	− 9 53.0	1.341	2.269	13.6	20.2
7 10	20 29.27	− 9 56.4	1.297	2.275	9.3	20.0
7 20	20 19.54	−10 14.5	1.275	2.280	5.2	19.7
7 30	20 9.22	−10 44.5	1.279	2.285	4.6	19.7
8 9	19 59.69	−11 22.0	1.308	2.290	8.3	20.0
8 19	19 52.09	−12 2.2	1.360	2.294	12.6	20.2
8 29	19 47.26	−12 41.0	1.433	2.299	16.5	20.5

1182 Ilona 7 24.3 272°.87 4°.5/22.8 18 R

6 20	20 47.06	−29 14.8	1.436	2.317	15.9	15.1
6 30	20 41.04	−29 36.8	1.359	2.304	12.2	14.8
7 10	20 31.86	−29 55.9	1.304	2.291	8.0	14.5
7 20	20 20.39	−30 5.6	1.272	2.278	4.7	14.3
7 30	20 8.06	−29 59.9	1.265	2.265	5.9	14.4
8 9	19 56.57	−29 36.7	1.283	2.251	10.1	14.6
8 19	19 47.37	−28 57.4	1.323	2.238	14.5	14.8
8 29	19 41.48	−28 5.8	1.383	2.224	18.3	15.0

290932 2005 WC_{139} 7 24.3 94°.24 0°.2/24.4 18

6 20	20 37.78	−17 58.5	2.311	3.172	11.5	21.1
6 30	20 32.83	−18 13.3	2.241	3.177	8.5	20.9
7 10	20 26.24	−18 33.5	2.195	3.183	5.2	20.8
7 20	20 18.57	−18 56.7	2.175	3.188	1.6	20.5
7 30	20 10.57	−19 20.2	2.183	3.193	2.0	20.6
8 9	20 3.04	−19 41.4	2.218	3.199	5.6	20.8
8 19	19 56.69	−19 58.7	2.280	3.204	8.8	21.0
8 29	19 52.10	−20 10.9	2.366	3.209	11.6	21.2

413416 2004 TL_{219} 7 24.3 249°.19 2°.4/25.3 17

6 20	20 42.02	−13 10.2	1.502	2.366	16.3	21.8
6 30	20 36.94	−13 14.6	1.421	2.355	12.5	21.6
7 10	20 29.23	−13 32.0	1.360	2.345	8.2	21.3
7 20	20 19.59	−14 0.5	1.323	2.333	3.6	21.0
7 30	20 9.14	−14 36.6	1.312	2.322	3.4	21.0
8 9	19 59.21	−15 15.7	1.326	2.310	8.0	21.2
8 19	19 51.04	−15 53.6	1.364	2.298	12.7	21.4
8 29	19 45.60	−16 27.1	1.423	2.285	16.8	21.7

33924 2000 LS_{26} 7 24.3 2°.38 0°.2/24.4 18

6 20	20 37.66	−16 55.5	1.359	2.244	16.4	17.5
6 30	20 33.77	−17 26.1	1.294	2.243	12.3	17.3
7 10	20 27.29	−18 8.4	1.251	2.243	7.5	17.0
7 20	20 18.98	−18 57.9	1.229	2.243	2.3	16.7
7 30	20 10.03	−19 48.9	1.233	2.244	3.0	16.7
8 9	20 1.81	−20 35.6	1.261	2.246	8.1	17.0
8 19	19 55.48	−21 14.0	1.311	2.248	12.8	17.3
8 29	19 51.93	−21 41.9	1.382	2.251	16.8	17.6

179750 2002 RL_{201} 7 24.3 354°.40 1°.7/23.7 17

6 20	20 38.87	−22 2.7	1.135	2.037	17.8	19.5
6 30	20 35.16	−22 20.0	1.074	2.032	13.3	19.3
7 10	20 28.35	−22 43.2	1.032	2.028	8.1	19.0
7 20	20 19.34	−23 7.1	1.012	2.026	2.8	18.6
7 30	20 9.57	−23 25.8	1.014	2.024	4.1	18.7
8 9	20 0.75	−23 35.2	1.039	2.023	9.5	19.0
8 19	19 54.27	−23 33.5	1.084	2.024	14.6	19.3
8 29	19 51.10	−23 21.2	1.149	2.025	18.9	19.6

190590 2000 TU_{10} 7 24.3 329°.20 1°.1/23.8 18

6 20	20 37.90	−20 58.4	1.329	2.222	16.2	20.0
6 30	20 34.22	−21 15.8	1.252	2.206	12.2	19.7
7 10	20 27.74	−21 40.0	1.196	2.191	7.5	19.4
7 20	20 19.17	−22 6.8	1.162	2.176	2.4	19.1
7 30	20 9.74	−22 30.9	1.152	2.162	3.6	19.1
8 9	20 0.94	−22 47.9	1.165	2.149	8.8	19.4
8 19	19 54.10	−22 55.4	1.201	2.137	13.8	19.6
8 29	19 50.25	−22 52.8	1.256	2.126	18.0	19.9

91861 1999 UT_{18} 7 24.3 341°.38 3°.8/21.9 18

6 20	20 39.45	−29 8.4	2.203	3.075	11.5	19.5
6 30	20 34.34	−29 54.7	2.134	3.074	8.7	19.3
7 10	20 27.30	−30 39.7	2.089	3.074	5.8	19.1
7 20	20 18.94	−31 18.7	2.071	3.073	3.8	19.0
7 30	20 10.13	−31 47.3	2.080	3.073	4.8	19.0
8 9	20 1.85	−32 3.1	2.115	3.072	7.5	19.2
8 19	19 54.96	−32 5.5	2.176	3.072	10.4	19.4
8 29	19 50.12	−31 55.6	2.259	3.072	13.1	19.6

340506 2006 HL_{153} 7 24.3 312°.86 3°.5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.83	−26 33.6	1.772	2.651	13.5	21.3
6 30	20 35.76	−27 23.7	1.704	2.649	10.1	21.1
7 10	20 28.35	−28 15.2	1.658	2.647	6.5	20.9
7 20	20 19.29	−29 2.1	1.638	2.645	3.7	20.7
7 30	20 9.66	−29 38.8	1.644	2.644	4.9	20.8
8 9	20 0.66	−30 1.8	1.676	2.642	8.4	21.0
8 19	19 53.35	−30 10.0	1.732	2.640	12.0	21.2
8 29	19 48.53	−30 4.5	1.809	2.639	15.1	21.4

394010 2005 VE_{54} 7 24.3 5°.08 7°.7/28.1 15

6 20	20 32.70	− 2 44.3	1.391	2.241	18.1	20.2
6 30	20 29.86	− 2 4.5	1.329	2.242	14.9	20.0
7 10	20 24.80	− 1 46.6	1.286	2.244	11.5	19.8
7 20	20 18.21	− 1 52.3	1.263	2.247	8.6	19.7
7 30	20 11.11	− 2 20.9	1.263	2.252	7.8	19.6
8 9	20 4.64	− 3 8.2	1.285	2.259	9.6	19.7
8 19	19 59.81	− 4 8.0	1.330	2.267	12.7	19.9
8 29	19 57.37	− 5 13.4	1.395	2.276	15.9	20.2

514453 2016 UE_{81} 7 24.3 304°.29 0°.8/23.9 18

6 20	20 38.94	−20 32.9	1.901	2.773	13.0	21.6
6 30	20 34.15	−20 52.8	1.822	2.765	9.7	21.3
7 10	20 27.28	−21 17.7	1.766	2.757	5.9	21.1
7 20	20 18.96	−21 44.2	1.736	2.750	1.8	20.8
7 30	20 10.09	−22 8.7	1.733	2.742	2.7	20.9
8 9	20 1.72	−22 27.9	1.756	2.735	6.8	21.1
8 19	19 54.79	−22 40.1	1.804	2.728	10.7	21.3
8 29	19 50.05	−22 44.6	1.874	2.721	14.0	21.5

476062 2007 SH_{12} 7 24.3 334°.84 8°.7/19.9 18

6 20	20 35.68	−33 43.9	1.177	2.084	16.9	19.9
6 30	20 33.39	−35 1.3	1.101	2.055	13.4	19.7
7 10	20 27.68	−36 16.6	1.044	2.027	10.2	19.4
7 20	20 19.26	−37 18.8	1.008	2.001	8.7	19.2
7 30	20 9.58	−37 57.0	0.993	1.976	10.3	19.2
8 9	20 0.56	−38 4.7	0.998	1.953	14.0	19.3
8 19	19 53.99	−37 41.6	1.022	1.932	18.1	19.5
8 29	19 51.17	−36 51.8	1.063	1.913	22.0	19.7

130968 2000 WC_{113} 7 24.3 187°.60 2°.3/22.9 18

6 20	20 42.52	−25 5.9	2.297	3.160	11.4	21.0
6 30	20 36.48	−25 39.9	2.222	3.159	8.5	20.8
7 10	20 28.55	−26 15.1	2.171	3.158	5.3	20.6
7 20	20 19.32	−26 47.3	2.147	3.157	2.5	20.4
7 30	20 9.65	−27 12.8	2.152	3.154	3.5	20.5
8 9	20 0.47	−27 29.1	2.184	3.152	6.6	20.7
8 19	19 52.62	−27 35.3	2.243	3.148	9.8	20.9
8 29	19 46.78	−27 31.8	2.325	3.144	12.6	21.1

237290 2008 XG_{39} 7 24.3 23°.82 2°.1/23.2 17

6 20	20 40.12	−23 10.2	1.704	2.583	13.9	20.5
6 30	20 35.20	−23 46.6	1.638	2.585	10.3	20.3
7 10	20 27.97	−24 26.7	1.595	2.587	6.3	20.1
7 20	20 19.17	−25 5.5	1.577	2.589	2.6	19.8
7 30	20 9.86	−25 38.2	1.584	2.591	3.7	19.9
8 9	20 1.21	−26 1.0	1.618	2.593	7.8	20.2
8 19	19 54.26	−26 12.5	1.676	2.596	11.6	20.4
8 29	19 49.76	−26 13.0	1.755	2.599	14.9	20.6

285802 2000 YJ_{12} 7 24.3 237°.73 9°.5/16.9 18

6 20	20 47.41	−37 30.0	1.673	2.543	14.7	21.0
6 30	20 41.69	−40 0.0	1.607	2.532	12.0	20.8
7 10	20 32.59	−42 26.4	1.565	2.521	10.0	20.6
7 20	20 20.77	−44 36.4	1.548	2.509	9.6	20.6
7 30	20 7.54	−46 18.1	1.557	2.496	11.2	20.6
8 9	19 54.71	−47 25.0	1.589	2.484	13.8	20.8
8 19	19 44.02	−47 57.2	1.643	2.470	16.6	20.9
8 29	19 36.81	−47 59.5	1.714	2.457	19.2	21.1

2371 Dimitrov 7 24.3 136°.93 1°.1/24.8 18

6 20	20 41.19	−15 52.9	1.595	2.464	15.3	16.3
6 30	20 36.03	−16 1.8	1.526	2.465	11.5	16.1
7 10	20 28.51	−16 20.4	1.478	2.466	7.2	15.8
7 20	20 19.35	−16 45.8	1.455	2.467	2.6	15.6
7 30	20 9.63	−17 14.4	1.457	2.468	2.8	15.6
8 9	20 0.58	−17 42.2	1.486	2.469	7.4	15.9
8 19	19 53.25	−18 6.3	1.538	2.470	11.6	16.1
8 29	19 48.46	−18 24.9	1.613	2.471	15.3	16.3

20623 Davidyoung 7 24.3 324°.66 4°.6/23.0 18 R

6 20	20 44.61	−30 44.4	1.440	2.325	15.7	16.7
6 30	20 39.20	−30 45.6	1.361	2.307	12.0	16.4
7 10	20 30.74	−30 40.7	1.303	2.290	8.0	16.1
7 20	20 20.09	−30 24.1	1.268	2.274	4.9	15.9
7 30	20 8.66	−29 51.5	1.258	2.258	5.9	15.9
8 9	19 58.08	−29 1.9	1.272	2.243	9.9	16.1
8 19	19 49.74	−27 58.2	1.309	2.229	14.2	16.3
8 29	19 44.62	−26 44.6	1.366	2.216	18.0	16.5

449008 2012 BG_{81} 7 24.3 249°.58 0°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.31	−22 10.2	2.373	3.237	11.1	21.2
6 30	20 34.01	−22 18.3	2.294	3.233	8.2	21.0
7 10	20 27.00	−22 28.5	2.239	3.229	5.0	20.8
7 20	20 18.86	−22 38.2	2.211	3.225	1.6	20.6
7 30	20 10.32	−22 45.1	2.211	3.220	2.4	20.6
8 9	20 2.24	−22 47.1	2.240	3.216	5.8	20.8
8 19	19 55.37	−22 43.7	2.294	3.212	9.0	21.0
8 29	19 50.30	−22 34.5	2.372	3.207	11.8	21.2

479558 2014 CP_{3} 7 24.3 129°.26 3°.0/22.9 17

6 20	20 45.16	−28 20.7	2.138	3.002	12.1	21.3
6 30	20 38.41	−28 34.0	2.075	3.012	9.1	21.1
7 10	20 29.67	−28 44.6	2.036	3.021	5.8	20.9
7 20	20 19.66	−28 48.7	2.024	3.031	3.2	20.8
7 30	20 9.35	−28 43.5	2.040	3.040	4.0	20.8
8 9	19 59.78	−28 27.9	2.083	3.048	7.1	21.0
8 19	19 51.82	−28 2.5	2.153	3.057	10.2	21.2
8 29	19 46.08	−27 29.2	2.245	3.065	12.9	21.4

41352 2000 AT_{31} 7 24.3 321°.08 3°.4/21.8 18

6 20	20 36.76	−25 21.7	2.028	2.906	12.1	17.9
6 30	20 32.63	−26 38.2	1.949	2.895	9.0	17.7
7 10	20 26.45	−27 59.0	1.894	2.883	5.8	17.4
7 20	20 18.76	−29 17.9	1.865	2.872	3.5	17.3
7 30	20 10.43	−30 28.9	1.864	2.861	4.7	17.3
8 9	20 2.47	−31 26.9	1.889	2.850	8.0	17.5
8 19	19 55.83	−32 9.3	1.939	2.840	11.3	17.7
8 29	19 51.31	−32 35.8	2.010	2.830	14.2	17.9

294161 2007 TQ_{357} 7 24.3 227°.34 0°.1/24.4 18

6 20	20 39.82	−18 11.3	2.391	3.247	11.3	21.9
6 30	20 34.43	−18 28.7	2.303	3.237	8.4	21.7
7 10	20 27.32	−18 51.5	2.239	3.226	5.2	21.5
7 20	20 18.99	−19 17.3	2.202	3.215	1.6	21.3
7 30	20 10.17	−19 43.3	2.193	3.204	2.1	21.3
8 9	20 1.71	−20 6.7	2.213	3.192	5.7	21.5
8 19	19 54.38	−20 25.8	2.259	3.179	9.0	21.7
8 29	19 48.82	−20 39.4	2.330	3.166	12.0	21.9

493378 2014 WT_{108} 7 24.3 158°.22 1°.0/24.8 17

6 20	20 42.94	−15 42.2	1.583	2.449	15.5	22.3
6 30	20 37.36	−16 0.9	1.515	2.453	11.7	22.1
7 10	20 29.34	−16 30.0	1.469	2.456	7.3	21.8
7 20	20 19.63	−17 6.2	1.447	2.460	2.6	21.5
7 30	20 9.35	−17 45.0	1.452	2.463	2.8	21.6
8 9	19 59.77	−18 21.9	1.482	2.465	7.5	21.9
8 19	19 51.97	−18 53.7	1.538	2.467	11.8	22.1
8 29	19 46.78	−19 18.5	1.614	2.469	15.5	22.4

215620 2003 SN_{213} 7 24.3 321°.13 3°.7/22.8 17

6 20	20 38.00	−24 33.2	1.115	2.021	17.7	19.9
6 30	20 35.01	−25 15.5	1.037	1.996	13.4	19.6
7 10	20 28.64	−26 4.4	0.977	1.973	8.5	19.2
7 20	20 19.59	−26 52.6	0.938	1.950	4.1	18.9
7 30	20 9.26	−27 31.3	0.922	1.928	5.8	18.9
8 9	19 59.53	−27 53.9	0.927	1.907	11.2	19.1
8 19	19 52.15	−27 57.6	0.952	1.887	16.6	19.4
8 29	19 48.43	−27 43.4	0.994	1.869	21.3	19.6

375687 2009 KG_{21} 7 24.3 342°.40 6°.2/21.2 18

6 20	20 38.82	−28 9.3	1.153	2.057	17.3	20.0
6 30	20 35.43	−29 34.0	1.092	2.049	13.2	19.7
7 10	20 28.73	−31 1.7	1.051	2.042	8.9	19.5
7 20	20 19.55	−32 21.9	1.032	2.036	6.3	19.3
7 30	20 9.40	−33 23.7	1.036	2.030	8.0	19.4
8 9	20 0.13	−34 0.5	1.061	2.026	12.2	19.6
8 19	19 53.32	−34 11.1	1.106	2.022	16.6	19.8
8 29	19 50.07	−33 58.2	1.169	2.020	20.4	20.1

177435 2004 CL_{79} 7 24.3 39°.06 0°.8/23.9 17

6 20	20 41.38	−20 18.7	1.214	2.106	17.5	19.4
6 30	20 36.59	−20 34.9	1.167	2.119	13.0	19.1
7 10	20 28.97	−20 58.0	1.139	2.133	7.8	18.9
7 20	20 19.51	−21 23.1	1.134	2.148	2.4	18.6
7 30	20 9.63	−21 45.0	1.153	2.164	3.4	18.7
8 9	20 0.84	−21 59.9	1.195	2.180	8.6	19.1
8 19	19 54.34	−22 6.1	1.260	2.196	13.3	19.4
8 29	19 50.89	−22 3.5	1.344	2.213	17.2	19.7

250919 2005 WV_{25} 7 24.3 212°.99 0°.7/23.8 18

6 20	20 38.27	−20 59.9	2.638	3.497	10.2	21.7
6 30	20 33.12	−21 20.7	2.556	3.493	7.6	21.5
7 10	20 26.44	−21 44.7	2.499	3.488	4.6	21.3
7 20	20 18.71	−22 9.2	2.469	3.482	1.5	21.1
7 30	20 10.60	−22 31.7	2.468	3.477	2.2	21.1
8 9	20 2.86	−22 49.9	2.495	3.471	5.4	21.3
8 19	19 56.16	−23 2.4	2.549	3.465	8.3	21.5
8 29	19 51.06	−23 8.8	2.628	3.458	10.9	21.7

320370 2007 TP_{410} 7 24.3 279°.28 6°.0/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.55	− 3 33.3	2.032	2.850	14.4	20.3
6 30	20 33.84	− 3 5.4	1.930	2.826	11.8	20.1
7 10	20 27.17	− 2 52.3	1.850	2.801	9.0	19.9
7 20	20 19.01	− 2 55.4	1.793	2.776	6.7	19.7
7 30	20 10.14	− 3 14.6	1.762	2.750	6.1	19.6
8 9	20 1.49	− 3 47.9	1.758	2.724	8.0	19.7
8 19	19 53.99	− 4 31.9	1.778	2.698	11.0	19.8
8 29	19 48.42	− 5 22.0	1.821	2.672	14.2	19.9

382569 2002 AX_{67} 7 24.3 210°.98 0°.8/23.8 17

6 20	20 41.45	−19 53.9	2.093	2.956	12.4	22.4
6 30	20 35.89	−20 27.3	2.012	2.950	9.2	22.2
7 10	20 28.32	−21 6.4	1.954	2.943	5.6	22.0
7 20	20 19.33	−21 47.6	1.923	2.936	1.8	21.7
7 30	20 9.79	−22 26.7	1.920	2.929	2.6	21.7
8 9	20 0.69	−23 0.1	1.944	2.921	6.5	22.0
8 19	19 52.92	−23 25.7	1.995	2.913	10.2	22.2
8 29	19 47.24	−23 42.6	2.069	2.904	13.3	22.4

251489 2008 EA_{27} 7 24.3 328°.99 0°.1/24.2 18

6 20	20 36.13	−16 34.3	1.862	2.732	13.3	20.0
6 30	20 32.15	−17 26.0	1.783	2.725	10.0	19.8
7 10	20 26.15	−18 28.3	1.727	2.717	6.1	19.5
7 20	20 18.69	−19 37.3	1.696	2.710	1.8	19.2
7 30	20 10.63	−20 47.5	1.692	2.703	2.5	19.3
8 9	20 3.00	−21 53.6	1.715	2.696	6.8	19.5
8 19	19 56.71	−22 51.3	1.763	2.690	10.7	19.8
8 29	19 52.53	−23 38.2	1.833	2.684	14.1	20.0

370330 2002 RV_{170} 7 24.3 319°.18 2°.8/25.4 17

6 20	20 38.40	−13 27.8	1.291	2.172	17.5	21.1
6 30	20 34.60	−13 19.0	1.214	2.157	13.5	20.8
7 10	20 28.01	−13 23.8	1.156	2.143	8.8	20.5
7 20	20 19.34	−13 40.9	1.119	2.129	4.1	20.2
7 30	20 9.77	−14 7.2	1.106	2.116	3.8	20.1
8 9	20 0.79	−14 38.4	1.117	2.104	8.7	20.3
8 19	19 53.72	−15 10.0	1.150	2.092	13.6	20.6
8 29	19 49.60	−15 38.3	1.202	2.081	18.1	20.8

185122 2006 SB_{69} 7 24.3 232°.76 0°.5/24.5 17

6 20	20 41.74	−17 2.8	1.594	2.465	15.2	20.9
6 30	20 36.58	−17 22.1	1.519	2.460	11.4	20.7
7 10	20 28.95	−17 50.9	1.466	2.455	7.1	20.4
7 20	20 19.57	−18 25.6	1.437	2.450	2.3	20.1
7 30	20 9.51	−19 1.8	1.434	2.445	2.8	20.1
8 9	20 0.05	−19 35.2	1.457	2.440	7.6	20.4
8 19	19 52.32	−20 2.6	1.504	2.434	12.0	20.6
8 29	19 47.19	−20 22.4	1.573	2.428	15.8	20.9

288300 2004 BF_{14} 7 24.3 172°.33 3°.0/25.9 18

6 20	20 39.49	−10 22.3	2.277	3.114	12.4	20.6
6 30	20 34.12	−10 10.6	2.200	3.116	9.6	20.4
7 10	20 27.09	−10 8.5	2.146	3.118	6.6	20.2
7 20	20 18.93	−10 15.3	2.117	3.119	3.7	20.0
7 30	20 10.39	−10 29.6	2.116	3.120	3.4	20.0
8 9	20 2.29	−10 49.2	2.144	3.121	6.0	20.2
8 19	19 55.36	−11 11.5	2.197	3.121	9.0	20.4
8 29	19 50.20	−11 34.4	2.275	3.122	11.9	20.6

255029 2005 TQ_{72} 7 24.3 257°.46 1°.3/25.2 18

6 20	20 37.13	−13 31.9	2.547	3.393	11.0	21.6
6 30	20 32.41	−13 56.0	2.449	3.375	8.4	21.4
7 10	20 26.11	−14 28.8	2.375	3.357	5.4	21.1
7 20	20 18.66	−15 8.6	2.328	3.339	2.2	20.9
7 30	20 10.71	−15 52.5	2.310	3.320	2.1	20.9
8 9	20 3.00	−16 37.5	2.320	3.300	5.3	21.1
8 19	19 56.24	−17 20.7	2.357	3.281	8.5	21.2
8 29	19 51.04	−17 59.8	2.419	3.261	11.4	21.4

316023 2009 FL_{37} 7 24.3 195°.41 1°.6/23.5 17

6 20	20 43.60	−21 0.1	1.573	2.448	15.1	21.3
6 30	20 38.04	−21 42.0	1.503	2.447	11.3	21.0
7 10	20 29.88	−22 30.6	1.454	2.445	6.9	20.8
7 20	20 19.86	−23 20.5	1.430	2.443	2.4	20.5
7 30	20 9.15	−24 5.8	1.433	2.441	3.6	20.6
8 9	19 59.12	−24 41.6	1.461	2.438	8.2	20.8
8 19	19 50.94	−25 5.5	1.513	2.435	12.5	21.1
8 29	19 45.52	−25 17.4	1.587	2.431	16.2	21.3

428238 2006 XP_{28} 7 24.3 251°.08 0°.6/24.0 18

6 20	20 41.77	−18 56.9	1.751	2.620	14.1	21.6
6 30	20 36.58	−19 30.6	1.665	2.606	10.6	21.4
7 10	20 28.98	−20 12.6	1.601	2.591	6.5	21.1
7 20	20 19.60	−20 58.7	1.563	2.576	2.0	20.8
7 30	20 9.45	−21 44.1	1.551	2.561	2.9	20.8
8 9	19 59.72	−22 23.9	1.566	2.545	7.5	21.0
8 19	19 51.55	−22 55.1	1.606	2.529	11.8	21.3
8 29	19 45.83	−23 16.5	1.667	2.513	15.5	21.5

305147 2007 VU_{191} 7 24.3 191°.83 0°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.56	−17 41.4	2.084	2.946	12.5	20.8
6 30	20 34.36	−17 45.0	2.010	2.946	9.3	20.6
7 10	20 27.32	−17 54.5	1.958	2.946	5.8	20.4
7 20	20 19.02	−18 7.4	1.932	2.945	1.9	20.1
7 30	20 10.30	−18 21.4	1.934	2.945	2.2	20.1
8 9	20 2.09	−18 33.9	1.963	2.945	6.1	20.4
8 19	19 55.21	−18 43.4	2.019	2.944	9.6	20.6
8 29	19 50.30	−18 48.8	2.097	2.944	12.7	20.8

42877 1999 RW_{133} 7 24.3 349°.01 5°.5/26.3 18

6 20	20 37.09	− 9 22.2	1.138	2.017	19.4	18.1
6 30	20 33.72	− 8 48.5	1.072	2.011	15.3	17.8
7 10	20 27.49	− 8 32.9	1.025	2.005	10.8	17.5
7 20	20 19.17	− 8 36.5	0.998	2.001	6.6	17.3
7 30	20 10.07	− 8 57.5	0.992	1.997	5.9	17.3
8 9	20 1.72	− 9 31.6	1.009	1.995	9.6	17.5
8 19	19 55.46	−10 13.1	1.047	1.993	14.3	17.7
8 29	19 52.28	−10 56.1	1.103	1.993	18.6	18.0

43795 1991 AK_1 7 24.3 214°.56 0°.8/24.8 18

6 20	20 40.33	−16 6.5	2.590	3.436	10.8	20.3
6 30	20 34.68	−16 17.4	2.499	3.427	8.2	20.1
7 10	20 27.43	−16 34.2	2.433	3.417	5.1	19.9
7 20	20 19.06	−16 55.0	2.395	3.407	1.8	19.7
7 30	20 10.24	−17 17.6	2.385	3.396	2.0	19.7
8 9	20 1.75	−17 39.6	2.405	3.384	5.3	19.9
8 19	19 54.30	−17 59.2	2.452	3.371	8.4	20.1
8 29	19 48.47	−18 15.2	2.524	3.358	11.2	20.2

503715 2016 JH_{23} 7 24.3 73°.92 5°.4/21.8 17

6 20	20 44.21	−28 48.1	1.376	2.264	16.1	21.0
6 30	20 38.82	−29 57.6	1.324	2.272	12.2	20.8
7 10	20 30.45	−31 6.2	1.293	2.280	8.1	20.6
7 20	20 20.04	−32 5.4	1.286	2.289	5.5	20.5
7 30	20 9.02	−32 47.2	1.303	2.297	6.8	20.6
8 9	19 59.01	−33 7.7	1.344	2.305	10.5	20.8
8 19	19 51.31	−33 7.2	1.407	2.313	14.4	21.1
8 29	19 46.80	−32 49.1	1.490	2.322	17.7	21.3

379645 2011 EY_{17} 7 24.3 92°.14 2°.4/23.2 17 R

6 20	20 45.38	−25 6.3	1.768	2.639	13.9	20.6
6 30	20 38.81	−25 32.1	1.719	2.660	10.3	20.5
7 10	20 30.01	−25 58.2	1.692	2.681	6.3	20.3
7 20	20 19.82	−26 20.0	1.691	2.702	2.8	20.1
7 30	20 9.37	−26 33.4	1.717	2.722	3.8	20.2
8 9	19 59.83	−26 36.4	1.770	2.742	7.5	20.5
8 19	19 52.15	−26 29.1	1.848	2.761	11.1	20.7
8 29	19 46.98	−26 12.9	1.948	2.780	14.1	21.0

234297 2000 YX_{64} 7 24.3 268°.99 1°.2/24.9 18

6 20	20 40.44	−15 34.9	1.919	2.778	13.5	21.4
6 30	20 35.38	−15 42.3	1.825	2.759	10.3	21.2
7 10	20 28.16	−15 58.4	1.753	2.739	6.5	20.9
7 20	20 19.35	−16 21.1	1.707	2.719	2.5	20.6
7 30	20 9.83	−16 47.3	1.688	2.699	2.6	20.6
8 9	20 0.65	−17 13.9	1.696	2.678	6.8	20.8
8 19	19 52.81	−17 38.0	1.729	2.657	10.8	21.0
8 29	19 47.15	−17 57.8	1.785	2.636	14.4	21.2

255354 2005 WF_{90} 7 24.3 231°.49 2°.6/22.1 18

6 20	20 38.60	−26 40.9	2.900	3.762	9.4	21.1
6 30	20 33.42	−27 34.5	2.813	3.749	7.0	20.9
7 10	20 26.68	−28 29.2	2.751	3.736	4.5	20.8
7 20	20 18.85	−29 21.2	2.718	3.723	2.7	20.6
7 30	20 10.54	−30 6.9	2.714	3.709	3.6	20.7
8 9	20 2.49	−30 43.3	2.738	3.695	6.0	20.8
8 19	19 55.39	−31 9.0	2.789	3.681	8.6	20.9
8 29	19 49.83	−31 24.1	2.864	3.665	10.9	21.1

69743 1998 KG_{53} 7 24.3 21°.06 9°.8/30.5 18

6 20	20 35.03	+ 4 22.5	1.457	2.267	19.4	18.8
6 30	20 31.54	+ 4 47.6	1.396	2.273	16.6	18.6
7 10	20 25.84	+ 4 44.1	1.351	2.280	13.6	18.4
7 20	20 18.62	+ 4 10.0	1.327	2.287	11.0	18.3
7 30	20 10.88	+ 3 6.4	1.325	2.296	9.8	18.3
8 9	20 3.78	+ 1 38.9	1.346	2.304	10.7	18.3
8 19	19 58.29	− 0 4.1	1.389	2.314	13.1	18.5
8 29	19 55.18	− 1 53.2	1.453	2.324	16.0	18.7

99650 2002 HF_2 7 24.3 354°.63 0°.6/24.0 17

6 20	20 39.76	−18 13.9	1.255	2.144	17.2	19.3
6 30	20 35.62	−18 52.2	1.191	2.142	12.9	19.0
7 10	20 28.60	−19 42.1	1.147	2.141	7.9	18.7
7 20	20 19.52	−20 38.1	1.126	2.140	2.4	18.4
7 30	20 9.68	−21 33.2	1.128	2.139	3.4	18.4
8 9	20 0.63	−22 21.1	1.155	2.139	8.9	18.8
8 19	19 53.69	−22 57.8	1.204	2.139	13.8	19.0
8 29	19 49.82	−23 21.6	1.272	2.140	18.0	19.3

27284 Billdunbar 7 24.3 87°.79 0°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.57	−19 9.0	1.565	2.439	15.2	18.3
6 30	20 37.02	−19 46.5	1.511	2.455	11.3	18.0
7 10	20 29.08	−20 31.3	1.479	2.471	6.8	17.8
7 20	20 19.59	−21 18.6	1.472	2.486	2.1	17.6
7 30	20 9.68	−22 2.7	1.491	2.501	3.0	17.7
8 9	20 0.60	−22 39.5	1.536	2.516	7.6	18.0
8 19	19 53.39	−23 6.6	1.606	2.531	11.7	18.3
8 29	19 48.78	−23 23.2	1.696	2.546	15.1	18.5

7587 Weckmann 7 24.3 42°.69 4°.6/26.4 18

6 20	20 39.31	− 8 43.4	1.104	1.981	20.1	16.9
6 30	20 35.18	− 8 44.4	1.057	1.994	15.6	16.7
7 10	20 28.22	− 9 7.3	1.028	2.009	10.6	16.4
7 20	20 19.36	− 9 50.0	1.019	2.024	6.0	16.2
7 30	20 10.00	−10 47.3	1.032	2.040	5.1	16.2
8 9	20 1.68	−11 51.9	1.069	2.056	9.0	16.5
8 19	19 55.59	−12 56.6	1.128	2.073	13.6	16.8
8 29	19 52.56	−13 55.6	1.205	2.090	17.7	17.1

100872 1998 HS_{81} 7 24.3 96°.79 3°.0/22.4 17

6 20	20 40.59	−27 15.5	2.226	3.095	11.5	19.7
6 30	20 35.06	−27 57.9	2.168	3.107	8.6	19.5
7 10	20 27.70	−28 39.7	2.134	3.120	5.5	19.4
7 20	20 19.14	−29 16.5	2.126	3.132	3.2	19.2
7 30	20 10.26	−29 44.4	2.147	3.145	4.1	19.3
8 9	20 1.97	−30 1.1	2.195	3.157	6.9	19.5
8 19	19 55.08	−30 6.1	2.268	3.169	9.9	19.7
8 29	19 50.20	−30 0.3	2.364	3.181	12.4	19.9

967 Helionape 7 24.3 349°.41 4°.0/22.5 18

6 20	20 35.41	−23 8.7	0.966	1.881	18.8	14.1
6 30	20 33.16	−24 17.1	0.908	1.873	14.1	13.8
7 10	20 27.49	−25 35.5	0.868	1.865	8.8	13.4
7 20	20 19.26	−26 54.3	0.848	1.860	4.3	13.2
7 30	20 10.02	−28 2.3	0.849	1.855	6.2	13.3
8 9	20 1.72	−28 51.1	0.871	1.852	11.6	13.5
8 19	19 56.00	−29 17.1	0.912	1.851	16.8	13.8
8 29	19 53.98	−29 20.9	0.970	1.851	21.3	14.1

241278 2007 TX_{437} 7 24.3 237°.63 2°.5/22.8 18

6 20	20 40.08	−24 12.7	1.980	2.854	12.6	20.8
6 30	20 35.02	−24 59.3	1.907	2.850	9.3	20.6
7 10	20 27.87	−25 48.9	1.857	2.846	5.8	20.4
7 20	20 19.24	−26 36.8	1.832	2.843	2.7	20.2
7 30	20 10.08	−27 17.8	1.835	2.839	3.9	20.2
8 9	20 1.42	−27 48.5	1.865	2.835	7.4	20.5
8 19	19 54.21	−28 7.2	1.920	2.831	10.9	20.7
8 29	19 49.20	−28 14.0	1.997	2.827	13.9	20.9

154743 2004 OJ_2 7 24.3 341°.45 1°.6/24.9 18

6 20	20 37.33	−15 45.9	1.288	2.175	17.0	19.2
6 30	20 33.75	−15 44.1	1.217	2.165	13.0	19.0
7 10	20 27.45	−15 53.8	1.166	2.157	8.2	18.7
7 20	20 19.18	−16 12.7	1.136	2.149	3.2	18.4
7 30	20 10.16	−16 37.0	1.130	2.142	3.2	18.3
8 9	20 1.81	−17 2.3	1.148	2.135	8.4	18.6
8 19	19 55.40	−17 25.0	1.187	2.130	13.3	18.9
8 29	19 51.88	−17 42.5	1.247	2.126	17.5	19.1

430475 2001 SM_{31} 7 24.3 286°.03 2°.9/22.9 18

6 20	20 41.91	−24 27.6	1.621	2.501	14.5	20.7
6 30	20 37.03	−25 8.0	1.532	2.479	10.9	20.4
7 10	20 29.46	−25 52.8	1.466	2.457	6.9	20.1
7 20	20 19.83	−26 36.3	1.423	2.434	3.2	19.8
7 30	20 9.25	−27 12.3	1.407	2.411	4.6	19.8
8 9	19 59.10	−27 36.0	1.416	2.389	8.9	20.0
8 19	19 50.68	−27 45.6	1.448	2.366	13.2	20.2
8 29	19 45.03	−27 41.4	1.501	2.343	17.1	20.4

506068 2015 PJ_{102} 7 24.3 88°.09 2°.5/23.1 18

6 20	20 42.00	−26 44.3	2.108	2.977	12.1	21.3
6 30	20 36.22	−26 57.6	2.038	2.978	9.0	21.1
7 10	20 28.47	−27 10.0	1.992	2.980	5.7	20.9
7 20	20 19.41	−27 17.7	1.972	2.981	2.8	20.7
7 30	20 9.97	−27 17.7	1.980	2.983	3.7	20.8
8 9	20 1.16	−27 8.5	2.014	2.984	6.9	21.0
8 19	19 53.83	−26 50.1	2.075	2.986	10.2	21.2
8 29	19 48.64	−26 23.9	2.158	2.987	13.0	21.4

454806 2015 RH_{60} 7 24.3 341°.46 5°.7/21.9 15

6 20	20 41.17	−33 34.8	1.734	2.614	13.7	20.9
6 30	20 36.23	−34 5.2	1.664	2.604	10.7	20.7
7 10	20 28.76	−34 29.7	1.615	2.594	7.6	20.5
7 20	20 19.55	−34 42.3	1.590	2.586	5.8	20.3
7 30	20 9.77	−34 38.3	1.590	2.578	6.7	20.4
8 9	20 0.74	−34 16.1	1.616	2.570	9.6	20.5
8 19	19 53.58	−33 36.9	1.664	2.564	12.9	20.7
8 29	19 49.11	−32 44.1	1.733	2.558	15.9	20.9

102900 1999 XX_{12} 7 24.3 156°.23 6°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.72	− 0 34.4	2.186	2.985	14.1	19.8
6 30	20 33.62	− 0 8.9	2.111	2.989	11.7	19.6
7 10	20 26.84	+ 0 0.3	2.057	2.993	9.1	19.5
7 20	20 18.92	− 0 7.8	2.027	2.997	7.0	19.3
7 30	20 10.60	− 0 32.4	2.023	3.001	6.4	19.3
8 9	20 2.71	− 1 10.9	2.046	3.004	7.7	19.4
8 19	19 56.00	− 1 59.7	2.094	3.007	10.0	19.5
8 29	19 51.06	− 2 54.1	2.166	3.009	12.5	19.7

54779 2001 LS_{17} 7 24.3 339°.60 1°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.73	−16 41.4	1.265	2.151	17.3	17.9
6 30	20 35.57	−16 18.5	1.195	2.143	13.2	17.6
7 10	20 28.58	−16 4.4	1.144	2.134	8.4	17.3
7 20	20 19.55	−15 57.4	1.115	2.127	3.3	17.0
7 30	20 9.76	−15 55.3	1.109	2.120	3.4	17.0
8 9	20 0.73	−15 55.3	1.127	2.114	8.6	17.3
8 19	19 53.75	−15 55.3	1.168	2.110	13.5	17.5
8 29	19 49.77	−15 53.3	1.227	2.106	17.8	17.8

476289 2007 VU_{256} 7 24.3 325°.52 5°.8/27.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.75	− 4 47.9	1.638	2.480	16.2	21.2
6 30	20 32.06	− 4 32.7	1.555	2.468	13.2	21.0
7 10	20 26.22	− 4 35.9	1.493	2.456	9.8	20.8
7 20	20 18.80	− 4 58.3	1.453	2.444	6.8	20.6
7 30	20 10.72	− 5 38.6	1.437	2.433	6.0	20.5
8 9	20 3.06	− 6 32.6	1.446	2.423	8.3	20.6
8 19	19 56.83	− 7 35.2	1.478	2.413	11.8	20.8
8 29	19 52.86	− 8 40.4	1.532	2.404	15.3	21.0

142096 2002 QR_{59} 7 24.3 36°.31 4°.6/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.90	− 9 45.4	1.256	2.126	18.5	20.0
6 30	20 35.44	− 9 24.0	1.200	2.134	14.4	19.8
7 10	20 28.32	− 9 19.9	1.163	2.142	9.9	19.5
7 20	20 19.42	− 9 32.5	1.148	2.152	5.8	19.3
7 30	20 9.99	− 9 59.1	1.156	2.162	5.1	19.3
8 9	20 1.45	−10 34.9	1.188	2.172	8.7	19.6
8 19	19 54.94	−11 14.9	1.242	2.183	13.0	19.8
8 29	19 51.28	−11 54.2	1.316	2.194	16.9	20.1

63034 2000 WV_{67} 7 24.3 209°.58 5°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.83	−35 5.5	2.594	3.453	10.4	20.0
6 30	20 36.00	−35 52.2	2.523	3.449	8.2	19.9
7 10	20 28.32	−36 33.8	2.476	3.445	6.1	19.7
7 20	20 19.38	−37 5.8	2.456	3.440	5.0	19.7
7 30	20 10.01	−37 24.3	2.463	3.435	5.8	19.7
8 9	20 1.13	−37 27.7	2.497	3.430	7.8	19.8
8 19	19 53.56	−37 16.2	2.557	3.425	10.1	20.0
8 29	19 47.94	−36 51.6	2.639	3.420	12.2	20.1

383612 2007 KD_{3} 7 24.3 121°.49 3°.7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.77	−23 47.0	1.925	2.793	13.1	20.4
6 30	20 37.88	−25 49.4	1.866	2.806	9.7	20.2
7 10	20 29.69	−27 57.2	1.832	2.819	6.1	20.0
7 20	20 19.86	−30 1.5	1.826	2.831	3.8	19.9
7 30	20 9.37	−31 53.6	1.850	2.843	5.2	20.0
8 9	19 59.39	−33 26.9	1.902	2.855	8.5	20.3
8 19	19 50.98	−34 38.6	1.980	2.866	11.8	20.5
8 29	19 44.96	−35 29.2	2.080	2.876	14.6	20.7

40308 1999 JV_{120} 7 24.3 286°.41 3°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.48	−24 26.4	1.381	2.271	16.0	18.3
6 30	20 37.06	−25 37.1	1.307	2.258	12.0	18.1
7 10	20 29.64	−26 54.9	1.253	2.245	7.6	17.8
7 20	20 19.93	−28 11.6	1.222	2.231	4.1	17.5
7 30	20 9.21	−29 18.3	1.216	2.218	5.7	17.6
8 9	19 59.07	−30 7.9	1.235	2.205	10.2	17.8
8 19	19 50.97	−30 37.7	1.276	2.192	14.7	18.1
8 29	19 46.03	−30 48.1	1.335	2.180	18.7	18.3

426936 2013 XS_{18} 7 24.3 264°.45 1°.8/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.27	−15 41.5	1.695	2.559	14.8	20.6
6 30	20 36.79	−15 23.2	1.619	2.554	11.3	20.4
7 10	20 29.02	−15 12.4	1.565	2.550	7.2	20.1
7 20	20 19.64	−15 7.8	1.535	2.546	3.0	19.9
7 30	20 9.69	−15 7.5	1.531	2.541	3.0	19.9
8 9	20 0.35	−15 9.2	1.554	2.537	7.2	20.1
8 19	19 52.66	−15 11.2	1.602	2.533	11.3	20.3
8 29	19 47.39	−15 12.0	1.671	2.528	14.9	20.6

344731 2003 UM_{137} 7 24.3 315°.32 2°.0/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.51	−14 31.4	1.519	2.394	15.6	21.2
6 30	20 33.71	−14 30.6	1.429	2.370	12.0	20.9
7 10	20 27.42	−14 41.2	1.359	2.347	7.8	20.6
7 20	20 19.22	−15 1.6	1.312	2.323	3.3	20.2
7 30	20 10.14	−15 28.8	1.290	2.301	3.2	20.2
8 9	20 1.44	−15 58.9	1.293	2.279	7.9	20.4
8 19	19 54.33	−16 28.0	1.319	2.258	12.6	20.6
8 29	19 49.82	−16 53.2	1.365	2.237	16.8	20.8

436227 2010 AV_{40} 7 24.3 172°.73 0°.2/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.03	−18 20.2	2.254	3.111	11.9	22.1
6 30	20 35.39	−18 51.4	2.180	3.114	8.8	22.0
7 10	20 27.95	−19 28.7	2.129	3.117	5.4	21.7
7 20	20 19.28	−20 8.7	2.105	3.119	1.6	21.5
7 30	20 10.18	−20 47.9	2.110	3.120	2.2	21.5
8 9	20 1.54	−21 23.0	2.143	3.121	5.9	21.8
8 19	19 54.15	−21 51.8	2.203	3.122	9.3	22.0
8 29	19 48.66	−22 13.4	2.287	3.121	12.2	22.2

136 Austria 7 24.3 345°.53 7°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.07	− 2 26.9	1.262	2.111	19.7	12.8
6 30	20 33.50	− 2 4.9	1.193	2.107	16.2	12.6
7 10	20 27.29	− 2 8.3	1.142	2.103	12.4	12.3
7 20	20 19.17	− 2 38.8	1.112	2.100	8.9	12.1
7 30	20 10.29	− 3 34.7	1.103	2.097	7.8	12.1
8 9	20 2.04	− 4 50.1	1.118	2.095	10.1	12.2
8 19	19 55.66	− 6 16.7	1.154	2.094	13.9	12.4
8 29	19 52.10	− 7 45.8	1.210	2.093	17.7	12.6

250012 2002 AX_{51} 7 24.3 115°.49 0°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.42	−17 18.8	2.434	3.289	11.1	21.0
6 30	20 33.25	−17 41.0	2.368	3.301	8.3	20.8
7 10	20 26.54	−18 8.8	2.326	3.312	5.0	20.7
7 20	20 18.82	−18 39.9	2.310	3.324	1.6	20.4
7 30	20 10.81	−19 11.2	2.324	3.335	1.9	20.5
8 9	20 3.26	−19 40.1	2.366	3.345	5.3	20.7
8 19	19 56.84	−20 4.8	2.434	3.356	8.4	20.9
8 29	19 52.10	−20 24.1	2.527	3.366	11.1	21.1

131130 2001 BH_{36} 7 24.3 51°.63 0°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.57	−16 43.8	1.623	2.497	14.8	19.0
6 30	20 34.11	−17 56.8	1.563	2.507	11.0	18.8
7 10	20 27.41	−19 21.4	1.526	2.517	6.6	18.5
7 20	20 19.15	−20 51.6	1.514	2.528	2.0	18.2
7 30	20 10.36	−22 19.9	1.528	2.538	3.0	18.3
8 9	20 2.21	−23 39.7	1.569	2.549	7.5	18.6
8 19	19 55.71	−24 46.4	1.635	2.560	11.5	18.9
8 29	19 51.61	−25 38.2	1.723	2.572	14.9	19.2

483782 2005 UV_{395} 7 24.3 277°.88 2°.9/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.54	−10 48.0	2.377	3.215	11.9	22.1
6 30	20 33.59	−10 34.2	2.274	3.191	9.3	21.9
7 10	20 26.93	−10 29.2	2.193	3.166	6.4	21.7
7 20	20 19.00	−10 32.7	2.139	3.141	3.6	21.5
7 30	20 10.50	−10 43.4	2.112	3.116	3.3	21.4
8 9	20 2.24	−10 59.5	2.113	3.091	6.0	21.5
8 19	19 54.99	−11 18.9	2.141	3.065	9.2	21.7
8 29	19 49.42	−11 39.3	2.192	3.039	12.2	21.9

340967 2007 EA_{111} 7 24.3 42°.03 1°.3/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.88	−13 56.5	1.307	2.187	17.3	20.5
6 30	20 34.53	−14 31.1	1.262	2.206	13.0	20.3
7 10	20 27.68	−15 20.0	1.236	2.226	8.1	20.1
7 20	20 19.21	−16 18.5	1.234	2.246	3.0	19.8
7 30	20 10.36	−17 20.3	1.256	2.267	3.0	19.9
8 9	20 2.44	−18 19.0	1.302	2.289	7.8	20.2
8 19	19 56.51	−19 10.1	1.372	2.311	12.2	20.5
8 29	19 53.29	−19 50.8	1.463	2.333	15.9	20.8

70388 1999 RD_{224} 7 24.3 287°.24 5°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.30	−28 49.6	1.426	2.314	15.7	18.0
6 30	20 38.39	−29 48.9	1.353	2.301	12.0	17.8
7 10	20 30.42	−30 49.0	1.301	2.288	8.0	17.5
7 20	20 20.17	−31 41.7	1.272	2.275	5.4	17.3
7 30	20 8.97	−32 19.0	1.267	2.263	6.8	17.4
8 9	19 58.46	−32 36.0	1.287	2.250	10.7	17.6
8 19	19 50.10	−32 32.2	1.329	2.237	14.8	17.8
8 29	19 44.96	−32 10.3	1.389	2.225	18.5	18.0

279727 1994 HH 7 24.3 145°.36 0°.1/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.38	−18 30.7	1.867	2.732	13.5	21.2
6 30	20 35.93	−18 49.2	1.798	2.736	10.1	21.0
7 10	20 28.39	−19 14.2	1.751	2.740	6.2	20.8
7 20	20 19.43	−19 42.4	1.730	2.744	1.9	20.5
7 30	20 10.01	−20 10.0	1.737	2.748	2.5	20.6
8 9	20 1.20	−20 33.8	1.770	2.751	6.7	20.8
8 19	19 53.91	−20 51.8	1.829	2.754	10.5	21.1
8 29	19 48.85	−21 3.1	1.910	2.757	13.8	21.3

257592 1999 RW_{8} 7 24.3 25°.23 6°.5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.68	− 0 6.0	1.787	2.605	16.1	20.1
6 30	20 30.94	− 0 13.6	1.721	2.612	13.2	19.9
7 10	20 25.35	− 0 43.3	1.674	2.621	10.2	19.8
7 20	20 18.50	− 1 34.7	1.650	2.630	7.5	19.6
7 30	20 11.24	− 2 45.2	1.652	2.639	6.5	19.6
8 9	20 4.49	− 4 9.4	1.678	2.649	7.9	19.7
8 19	19 59.08	− 5 40.7	1.730	2.660	10.7	19.9
8 29	19 55.66	− 7 12.6	1.804	2.671	13.6	20.1

486261 2013 CU_2 7 24.3 298°.64 2°.7/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.46	−10 9.1	1.801	2.652	14.6	21.9
6 30	20 34.27	−10 37.1	1.688	2.614	11.5	21.6
7 10	20 27.75	−11 22.2	1.597	2.576	7.7	21.3
7 20	20 19.37	−12 23.0	1.530	2.538	3.9	21.0
7 30	20 9.93	−13 36.0	1.490	2.499	3.4	20.9
8 9	20 0.55	−14 55.8	1.476	2.460	7.4	21.0
8 19	19 52.36	−16 16.2	1.488	2.421	11.9	21.2
8 29	19 46.40	−17 31.9	1.522	2.381	16.0	21.4

505371 2013 HU_{40} 7 24.3 344°.47 1°.3/24.7 17

6 20	20 34.60	−18 23.0	0.881	1.797	20.1	20.4
6 30	20 32.67	−17 59.2	0.818	1.783	15.3	20.1
7 10	20 27.28	−17 44.7	0.772	1.769	9.6	19.7
7 20	20 19.26	−17 37.7	0.744	1.758	3.4	19.3
7 30	20 10.20	−17 34.7	0.736	1.748	3.8	19.3
8 9	20 2.06	−17 32.3	0.747	1.741	10.3	19.6
8 19	19 56.51	−17 27.7	0.777	1.735	16.2	19.9
8 29	19 54.70	−17 19.0	0.824	1.731	21.4	20.2

498553 2008 HV_{16} 7 24.3 128°.77 1°.1/24.9 17

6 20	20 42.91	−15 18.3	1.799	2.657	14.3	22.3
6 30	20 37.03	−15 34.7	1.736	2.669	10.8	22.1
7 10	20 29.04	−16 0.3	1.695	2.681	6.7	21.9
7 20	20 19.63	−16 32.0	1.680	2.692	2.5	21.6
7 30	20 9.82	−17 6.3	1.692	2.703	2.5	21.7
8 9	20 0.69	−17 39.3	1.731	2.713	6.7	22.0
8 19	19 53.16	−18 8.3	1.796	2.723	10.6	22.2
8 29	19 47.93	−18 31.6	1.883	2.732	13.9	22.4

103259 2000 AZ_{20} 7 24.3 206°.95 2°.4/22.9 18

6 20	20 41.07	−24 30.6	2.180	3.047	11.8	20.1
6 30	20 35.62	−25 14.7	2.103	3.043	8.8	19.9
7 10	20 28.19	−26 1.2	2.051	3.039	5.5	19.7
7 20	20 19.40	−26 45.6	2.025	3.035	2.6	19.5
7 30	20 10.08	−27 23.5	2.027	3.030	3.6	19.6
8 9	20 1.23	−27 51.6	2.056	3.024	6.9	19.8
8 19	19 53.71	−28 8.5	2.112	3.019	10.2	20.0
8 29	19 48.24	−28 14.4	2.190	3.012	13.1	20.2

130887 2000 VB_{23} 7 24.3 276°.53 1°.6/23.5 18

6 20	20 41.66	−22 11.2	1.832	2.704	13.5	20.3
6 30	20 36.54	−22 41.0	1.739	2.682	10.1	20.0
7 10	20 29.03	−23 15.8	1.668	2.659	6.2	19.7
7 20	20 19.72	−23 51.3	1.623	2.636	2.3	19.4
7 30	20 9.59	−24 22.7	1.605	2.613	3.4	19.4
8 9	19 59.83	−24 46.2	1.613	2.589	7.7	19.7
8 19	19 51.55	−24 59.6	1.646	2.566	11.8	19.8
8 29	19 45.69	−25 2.7	1.701	2.542	15.5	20.0

403606 2010 RL_{48} 7 24.3 265°.47 3°.8/26.8 18

6 20	20 36.27	− 6 51.2	2.282	3.111	12.6	21.3
6 30	20 31.84	− 6 51.5	2.198	3.107	10.0	21.1
7 10	20 25.80	− 7 4.7	2.138	3.102	7.2	20.9
7 20	20 18.65	− 7 30.1	2.102	3.098	4.6	20.8
7 30	20 11.07	− 8 5.9	2.094	3.093	4.0	20.7
8 9	20 3.84	− 8 49.2	2.112	3.089	6.1	20.9
8 19	19 57.69	− 9 36.6	2.157	3.084	9.0	21.0
8 29	19 53.20	−10 24.4	2.226	3.080	11.8	21.2

387315 2012 VB_{62} 7 24.3 341°.22 2°.2/23.3 18

6 20	20 35.82	−22 4.4	1.267	2.167	16.4	20.1
6 30	20 32.84	−22 40.9	1.196	2.153	12.3	19.8
7 10	20 27.04	−23 25.0	1.144	2.140	7.5	19.5
7 20	20 19.14	−24 10.7	1.114	2.128	2.9	19.2
7 30	20 10.40	−24 51.5	1.108	2.117	4.3	19.2
8 9	20 2.32	−25 21.8	1.125	2.108	9.3	19.5
8 19	19 56.26	−25 38.5	1.164	2.100	14.1	19.7
8 29	19 53.21	−25 41.3	1.221	2.093	18.3	20.0

440692 2005 YY_{73} 7 24.3 278°.72 0°.3/24.5 17

6 20	20 39.09	−18 42.1	2.322	3.181	11.5	21.5
6 30	20 34.03	−18 43.6	2.229	3.164	8.6	21.3
7 10	20 27.19	−18 49.6	2.159	3.147	5.3	21.1
7 20	20 19.10	−18 58.1	2.116	3.130	1.7	20.8
7 30	20 10.50	−19 6.8	2.102	3.113	2.1	20.8
8 9	20 2.25	−19 13.6	2.115	3.095	5.8	21.0
8 19	19 55.13	−19 17.2	2.154	3.078	9.2	21.2
8 29	19 49.82	−19 16.8	2.218	3.060	12.3	21.4

186810 2004 EB_{86} 7 24.3 106°.35 3°.1/22.7 17

6 20	20 44.27	−25 3.1	1.671	2.547	14.4	20.9
6 30	20 38.31	−25 57.5	1.618	2.562	10.7	20.7
7 10	20 29.92	−26 53.7	1.587	2.576	6.6	20.5
7 20	20 19.93	−27 45.4	1.581	2.590	3.4	20.3
7 30	20 9.50	−28 26.9	1.602	2.604	4.6	20.4
8 9	19 59.91	−28 54.4	1.649	2.618	8.3	20.7
8 19	19 52.20	−29 7.2	1.721	2.631	12.0	20.9
8 29	19 47.13	−29 6.6	1.814	2.643	15.1	21.1

501739 2014 UM_{96} 7 24.3 327°.86 4°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.51	−24 12.6	1.040	1.948	18.4	20.8
6 30	20 35.50	−25 6.0	0.973	1.934	13.9	20.5
7 10	20 29.01	−26 7.1	0.924	1.920	8.8	20.1
7 20	20 19.83	−27 7.2	0.896	1.907	4.3	19.8
7 30	20 9.51	−27 56.8	0.889	1.895	6.1	19.9
8 9	20 0.00	−28 28.4	0.904	1.884	11.4	20.2
8 19	19 53.02	−28 39.4	0.939	1.874	16.7	20.4
8 29	19 49.79	−28 30.9	0.990	1.865	21.4	20.7

470610 2008 RQ_{52} 7 24.3 310°.22 4°.2/25.9 18

6 20	20 37.88	−10 13.1	1.466	2.331	16.6	21.8
6 30	20 34.20	− 9 56.5	1.365	2.297	13.2	21.5
7 10	20 27.89	− 9 54.6	1.284	2.264	9.2	21.1
7 20	20 19.46	−10 7.9	1.226	2.230	5.3	20.8
7 30	20 9.92	−10 35.1	1.191	2.197	4.8	20.7
8 9	20 0.57	−11 12.7	1.180	2.165	8.7	20.8
8 19	19 52.75	−11 56.1	1.193	2.132	13.5	21.0
8 29	19 47.61	−12 40.4	1.225	2.101	18.0	21.2

253726 2003 WB_{10} 7 24.3 346°.77 7°.2/21.9 18

6 20	20 42.57	−32 27.0	1.128	2.029	17.9	19.4
6 30	20 38.37	−33 14.0	1.070	2.022	13.9	19.2
7 10	20 30.59	−33 55.5	1.030	2.016	9.8	18.9
7 20	20 20.25	−34 21.9	1.011	2.011	7.3	18.8
7 30	20 9.07	−34 25.3	1.014	2.007	8.6	18.8
8 9	19 59.03	−34 2.9	1.039	2.003	12.4	19.0
8 19	19 51.75	−33 17.5	1.083	2.001	16.7	19.3
8 29	19 48.23	−32 14.5	1.145	2.000	20.5	19.5

461520 2003 SL_{161} 7 24.3 335°.81 3°.6/22.9 17

6 20	20 37.77	−24 43.9	1.047	1.957	18.2	20.1
6 30	20 34.88	−25 19.0	0.980	1.942	13.8	19.8
7 10	20 28.57	−25 59.0	0.931	1.928	8.7	19.5
7 20	20 19.69	−26 36.7	0.903	1.915	4.1	19.2
7 30	20 9.75	−27 4.0	0.896	1.903	5.7	19.2
8 9	20 0.65	−27 15.2	0.911	1.893	11.0	19.5
8 19	19 54.06	−27 9.0	0.945	1.884	16.3	19.7
8 29	19 51.12	−26 46.7	0.996	1.876	20.9	20.0

91206 1998 WY_7 7 24.3 286°.28 5°.3/21.7 18

6 20	20 43.11	−27 7.3	1.307	2.199	16.5	19.3
6 30	20 38.67	−28 21.1	1.226	2.177	12.6	19.0
7 10	20 30.89	−29 40.5	1.166	2.156	8.4	18.7
7 20	20 20.44	−30 56.1	1.129	2.134	5.4	18.5
7 30	20 8.68	−31 57.7	1.115	2.112	7.1	18.5
8 9	19 57.42	−32 37.7	1.125	2.091	11.6	18.7
8 19	19 48.38	−32 53.7	1.156	2.069	16.3	18.9
8 29	19 42.86	−32 47.7	1.205	2.047	20.5	19.1

12794 1995 VL 7 24.3 326°.94 8°.3/19.3 18

6 20	20 39.83	−34 23.7	1.438	2.328	15.4	18.0
6 30	20 36.02	−36 2.9	1.370	2.313	12.2	17.7
7 10	20 29.11	−37 39.4	1.324	2.299	9.4	17.5
7 20	20 19.83	−39 2.6	1.300	2.285	8.3	17.4
7 30	20 9.53	−40 2.6	1.300	2.272	9.8	17.5
8 9	19 59.89	−40 33.7	1.323	2.260	12.9	17.6
8 19	19 52.44	−40 35.9	1.366	2.248	16.3	17.8
8 29	19 48.28	−40 12.7	1.426	2.237	19.4	18.0

252184 2001 DD_{91} 7 24.3 216°.08 2°.2/25.5 17

6 20	20 40.78	−11 55.4	1.620	2.478	15.6	20.9
6 30	20 35.86	−12 21.1	1.543	2.475	12.0	20.6
7 10	20 28.58	−13 1.6	1.488	2.471	7.8	20.4
7 20	20 19.59	−13 54.2	1.457	2.467	3.5	20.1
7 30	20 9.92	−14 54.3	1.453	2.463	3.1	20.1
8 9	20 0.78	−15 56.2	1.474	2.458	7.4	20.3
8 19	19 53.26	−16 54.9	1.520	2.453	11.7	20.6
8 29	19 48.20	−17 46.8	1.588	2.448	15.5	20.8

509841 2008 YO_{50} 7 24.3 189°.13 1°.4/23.4 18

6 20	20 39.78	−21 7.2	2.217	3.082	11.7	21.9
6 30	20 34.60	−21 58.7	2.142	3.081	8.7	21.7
7 10	20 27.56	−22 55.3	2.090	3.080	5.3	21.5
7 20	20 19.23	−23 52.8	2.066	3.079	1.9	21.2
7 30	20 10.41	−24 46.6	2.070	3.077	2.9	21.3
8 9	20 2.00	−25 32.8	2.102	3.075	6.4	21.5
8 19	19 54.84	−26 9.1	2.160	3.073	9.7	21.7
8 29	19 49.62	−26 34.7	2.242	3.070	12.6	21.9

412642 2014 OJ_{185} 7 24.3 113°.66 1°.1/23.5 18

6 20	20 36.42	−20 56.9	2.658	3.520	10.1	20.5
6 30	20 31.79	−21 40.6	2.587	3.525	7.4	20.3
7 10	20 25.71	−22 28.2	2.540	3.530	4.5	20.2
7 20	20 18.63	−23 16.5	2.521	3.534	1.6	20.0
7 30	20 11.22	−24 2.0	2.531	3.539	2.4	20.0
8 9	20 4.17	−24 41.9	2.569	3.543	5.4	20.2
8 19	19 58.13	−25 14.3	2.635	3.548	8.2	20.4
8 29	19 53.62	−25 38.4	2.724	3.552	10.7	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
383254 2006 CJ_9			7 24.3 144°.57		1°.1/24.9 17	
	h m	° ′			°	m
6 20	20 40.67	−14 51.3	2.060	2.914	12.9	21.7
6 30	20 35.21	−15 14.0	1.991	2.922	9.7	21.5
7 10	20 27.89	−15 45.5	1.945	2.929	6.1	21.3
7 20	20 19.32	−16 23.1	1.925	2.937	2.3	21.0
7 30	20 10.34	−17 3.2	1.933	2.943	2.3	21.0
8 9	20 1.89	−17 42.4	1.968	2.950	6.1	21.3
8 19	19 54.78	−18 17.9	2.030	2.955	9.6	21.5
8 29	19 49.66	−18 47.6	2.115	2.961	12.7	21.7
289368 2005 CD_8			7 24.3 181°.18		3°.3/22.9 17	
6 20	20 46.27	−26 19.2	1.634	2.509	14.7	21.2
6 30	20 40.02	−26 55.1	1.567	2.510	11.0	21.0
7 10	20 31.11	−27 31.6	1.522	2.510	7.0	20.7
7 20	20 20.37	−28 2.8	1.501	2.510	3.6	20.5
7 30	20 9.01	−28 23.2	1.507	2.510	4.8	20.6
8 9	19 58.44	−28 29.8	1.540	2.509	8.7	20.8
8 19	19 49.85	−28 22.5	1.596	2.507	12.6	21.1
8 29	19 44.08	−28 3.2	1.673	2.506	16.1	21.3
397743 2008 FN_{18}			7 24.3 129°.54		3°.8/22.3 18	
6 20	20 42.17	−30 28.1	2.298	3.164	11.3	21.2
6 30	20 36.28	−30 58.7	2.233	3.169	8.6	21.0
7 10	20 28.52	−31 26.2	2.193	3.174	5.8	20.9
7 20	20 19.51	−31 46.3	2.178	3.179	3.8	20.8
7 30	20 10.16	−31 55.7	2.192	3.184	4.7	20.8
8 9	20 1.41	−31 52.8	2.232	3.189	7.2	21.0
8 19	19 54.09	−31 37.8	2.298	3.193	10.0	21.2
8 29	19 48.82	−31 12.3	2.387	3.197	12.5	21.4
20636 1999 TC_{97}			7 24.3 192°.45		2°.2/22.9 18	R
6 20	20 41.01	−23 16.8	2.199	3.065	11.8	19.3
6 30	20 35.57	−24 11.9	2.124	3.063	8.7	19.1
7 10	20 28.20	−25 10.8	2.072	3.061	5.4	18.9
7 20	20 19.46	−26 8.7	2.048	3.059	2.4	18.7
7 30	20 10.19	−27 0.7	2.053	3.056	3.5	18.7
8 9	20 1.36	−27 43.1	2.085	3.053	6.8	18.9
8 19	19 53.83	−28 13.8	2.143	3.049	10.1	19.1
8 29	19 48.31	−28 32.7	2.224	3.045	13.0	19.3
357172 2002 DK_3			7 24.3 167°.37		7°.9/18.9 18	
6 20	20 49.11	−47 39.2	2.752	3.572	11.0	21.1
6 30	20 41.54	−48 30.2	2.698	3.575	9.5	21.0
7 10	20 31.75	−49 8.5	2.666	3.578	8.3	21.0
7 20	20 20.52	−49 28.7	2.659	3.581	7.9	21.0
7 30	20 8.93	−49 27.5	2.678	3.583	8.5	21.0
8 9	19 58.15	−49 4.2	2.722	3.585	9.8	21.1
8 19	19 49.12	−48 21.3	2.789	3.587	11.3	21.2
8 29	19 42.54	−47 22.6	2.877	3.588	12.8	21.3
257754 2000 BP_{17}			7 24.4 264°.44		2°.6/23.2 18	
6 20	20 46.33	−25 20.5	1.808	2.676	13.8	21.0
6 30	20 40.18	−25 43.1	1.711	2.651	10.4	20.7
7 10	20 31.37	−26 7.2	1.637	2.626	6.6	20.5
7 20	20 20.54	−26 27.8	1.589	2.599	3.0	20.2
7 30	20 8.76	−26 40.1	1.567	2.572	4.1	20.2
8 9	19 57.38	−26 40.8	1.572	2.544	8.3	20.4
8 19	19 47.65	−26 29.3	1.603	2.515	12.5	20.6
8 29	19 40.58	−26 6.8	1.655	2.486	16.2	20.7
512820 2016 UA_{102}			7 24.4 353°.39		0°.1/24.3 18	
6 20	20 39.06	−18 43.5	1.846	2.716	13.4	20.8
6 30	20 34.30	−18 57.8	1.774	2.715	10.0	20.6
7 10	20 27.49	−19 18.3	1.724	2.714	6.1	20.3
7 20	20 19.25	−19 42.1	1.700	2.713	1.9	20.0
7 30	20 10.53	−20 5.7	1.702	2.713	2.5	20.1
8 9	20 2.37	−20 26.0	1.730	2.712	6.7	20.4
8 19	19 55.67	−20 41.0	1.784	2.712	10.5	20.6
8 29	19 51.17	−20 49.6	1.860	2.712	13.8	20.8
18508 1996 RJ_2			7 24.4 220°.14		3°.8/26.2 18	
6 20	20 41.04	− 9 8.1	1.597	2.448	16.2	18.7
6 30	20 36.07	− 9 11.2	1.520	2.444	12.7	18.5
7 10	20 28.74	− 9 30.3	1.464	2.440	8.7	18.3
7 20	20 19.69	−10 4.3	1.431	2.435	4.9	18.0
7 30	20 9.97	−10 50.2	1.424	2.430	4.2	18.0
8 9	20 0.77	−11 43.1	1.443	2.425	7.7	18.2
8 19	19 53.20	−12 38.1	1.486	2.419	11.8	18.4
8 29	19 48.10	−13 30.5	1.550	2.413	15.6	18.6
423067 2003 WA_{123}			7 24.4 259°.84		0°.4/24.2 18	
6 20	20 44.31	−20 0.8	1.664	2.533	14.7	21.5
6 30	20 38.68	−20 9.5	1.575	2.515	11.1	21.3
7 10	20 30.44	−20 23.8	1.507	2.497	6.8	21.0
7 20	20 20.26	−20 40.3	1.465	2.478	2.1	20.6
7 30	20 9.21	−20 55.1	1.449	2.459	2.9	20.7
8 9	19 58.63	−21 4.9	1.459	2.439	7.8	20.9
8 19	19 49.74	−21 8.0	1.494	2.419	12.3	21.1
8 29	19 43.51	−21 4.0	1.550	2.399	16.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
512894 2016 WV_{33}			7 24.4 283°.28		4°.0/26.6 18	
	h m	° ′			°	m
6 20	20 37.86	− 7 48.2	2.232	3.064	12.8	21.1
6 30	20 33.04	− 7 26.3	2.153	3.063	10.2	20.9
7 10	20 26.56	− 7 15.6	2.097	3.062	7.3	20.8
7 20	20 18.96	− 7 16.0	2.065	3.060	4.7	20.6
7 30	20 10.97	− 7 26.7	2.061	3.059	4.2	20.6
8 9	20 3.38	− 7 45.6	2.084	3.058	6.4	20.7
8 19	19 56.92	− 8 10.0	2.133	3.057	9.3	20.9
8 29	19 52.21	− 8 37.0	2.205	3.056	12.0	21.1
320344 2007 TD_{170}			7 24.4 185°.28		4°.6/22.1 17	
6 20	20 47.12	−29 29.0	1.780	2.650	13.9	21.1
6 30	20 40.60	−30 20.5	1.712	2.650	10.5	20.9
7 10	20 31.47	−31 10.3	1.667	2.650	7.1	20.6
7 20	20 20.53	−31 51.8	1.647	2.649	4.7	20.5
7 30	20 8.97	−32 19.1	1.654	2.647	5.8	20.6
8 9	19 58.13	−32 29.1	1.688	2.645	9.1	20.8
8 19	19 49.20	−32 22.1	1.746	2.642	12.6	21.0
8 29	19 43.02	−32 0.6	1.825	2.639	15.7	21.2
470675 2008 SB_{234}			7 24.4 301°.53		0°.3/24.5 18	
6 20	20 38.99	−17 7.2	1.614	2.488	14.8	21.3
6 30	20 34.67	−17 32.3	1.532	2.476	11.2	21.1
7 10	20 27.96	−18 7.5	1.473	2.463	6.9	20.8
7 20	20 19.49	−18 49.3	1.437	2.450	2.2	20.5
7 30	20 10.27	−19 33.1	1.427	2.438	2.7	20.5
8 9	20 1.53	−20 13.9	1.442	2.426	7.5	20.8
8 19	19 54.39	−20 48.3	1.482	2.414	12.0	21.0
8 29	19 49.74	−21 14.2	1.543	2.403	15.8	21.2
325071 2008 DF			7 24.4 114°.56		4°.4/26.4 17	
6 20	20 43.15	− 8 33.8	1.669	2.511	16.0	20.8
6 30	20 37.31	− 8 14.9	1.607	2.524	12.5	20.6
7 10	20 29.29	− 8 10.4	1.567	2.537	8.7	20.4
7 20	20 19.82	− 8 19.8	1.551	2.550	5.3	20.2
7 30	20 9.95	− 8 41.0	1.560	2.562	4.7	20.2
8 9	20 0.79	− 9 10.6	1.596	2.574	7.6	20.4
8 19	19 53.31	− 9 44.8	1.657	2.585	11.2	20.7
8 29	19 48.21	−10 19.8	1.740	2.596	14.5	20.9
91851 1999 UA_8			7 24.4 250°.12		6°.6/28.5 18	R
6 20	20 36.66	+ 1 50.8	2.600	3.378	12.7	20.2
6 30	20 32.03	+ 2 24.8	2.507	3.367	10.7	20.0
7 10	20 25.92	+ 2 44.3	2.437	3.356	8.7	19.9
7 20	20 18.79	+ 2 47.8	2.390	3.344	7.1	19.7
7 30	20 11.22	+ 2 35.1	2.369	3.332	6.6	19.7
8 9	20 3.91	+ 2 7.7	2.375	3.320	7.5	19.7
8 19	19 57.51	+ 1 28.4	2.407	3.308	9.4	19.8
8 29	19 52.58	+ 0 40.9	2.462	3.295	11.5	20.0
478602 2012 TJ_{132}			7 24.4 224°.00		5°.7/27.8 18	
6 20	20 39.13	− 1 27.6	2.427	3.222	13.0	21.9
6 30	20 33.95	− 1 5.6	2.333	3.212	10.7	21.7
7 10	20 27.14	− 0 58.0	2.262	3.201	8.3	21.6
7 20	20 19.17	− 1 5.4	2.216	3.189	6.3	21.4
7 30	20 10.72	− 1 27.5	2.197	3.177	5.8	21.4
8 9	20 2.54	− 2 2.3	2.205	3.164	7.1	21.4
8 19	19 55.37	− 2 46.5	2.239	3.150	9.5	21.6
8 29	19 49.83	− 3 36.4	2.297	3.136	12.0	21.7
255476 2005 YR_{167}			7 24.4 274°.66		1°.1/25.1 17	
6 20	20 38.40	−15 1.6	2.554	3.401	10.9	22.0
6 30	20 33.49	−15 13.3	2.447	3.374	8.3	21.8
7 10	20 26.92	−15 32.1	2.363	3.346	5.3	21.5
7 20	20 19.13	−15 56.5	2.307	3.318	2.1	21.3
7 30	20 10.76	−16 24.1	2.279	3.289	2.1	21.2
8 9	20 2.59	−16 52.5	2.280	3.260	5.4	21.4
8 19	19 55.35	−17 19.3	2.308	3.231	8.7	21.6
8 29	19 49.70	−17 42.7	2.360	3.201	11.7	21.7
478612 2012 TZ_{151}			7 24.4 345°.57		5°.0/25.2 18	
6 20	20 40.05	−14 4.4	1.198	2.081	18.3	20.0
6 30	20 35.96	−12 39.6	1.125	2.068	14.3	19.7
7 10	20 28.95	−11 21.1	1.072	2.056	9.8	19.5
7 20	20 19.82	−10 11.8	1.040	2.046	5.8	19.2
7 30	20 9.91	− 9 14.0	1.032	2.037	5.7	19.2
8 9	20 0.75	− 8 29.0	1.046	2.029	9.8	19.4
8 19	19 53.70	− 7 56.3	1.082	2.023	14.4	19.6
8 29	19 49.75	− 7 33.9	1.137	2.019	18.7	19.9
17712 Fatherwilliam			7 24.4 141°.86		3°.0/22.9 18	
6 20	20 45.39	−24 41.7	1.540	2.417	15.3	17.6
6 30	20 39.45	−25 27.7	1.479	2.424	11.4	17.4
7 10	20 30.82	−26 16.4	1.440	2.430	7.1	17.1
7 20	20 20.35	−27 1.5	1.425	2.435	3.4	16.9
7 30	20 9.29	−27 36.6	1.437	2.441	4.6	17.0
8 9	19 59.08	−27 57.9	1.474	2.446	8.8	17.3
8 19	19 50.89	−28 4.7	1.535	2.450	12.8	17.5
8 29	19 45.58	−27 58.3	1.617	2.454	16.3	17.8

124684 2001 SW_{114} 7 24.4 338°.14 4°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.50	−28 27.9	1.346	2.239	16.1	19.0
6 30	20 37.06	−29 12.3	1.281	2.232	12.2	18.7
7 10	20 29.63	−29 56.3	1.236	2.225	8.1	18.5
7 20	20 20.03	−30 32.5	1.213	2.219	5.0	18.3
7 30	20 9.67	−30 54.1	1.215	2.214	6.3	18.3
8 9	20 0.14	−30 57.2	1.240	2.209	10.3	18.5
8 19	19 52.84	−30 42.0	1.286	2.204	14.5	18.8
8 29	19 48.71	−30 11.2	1.352	2.201	18.3	19.0

371858 2008 AQ_{98} 7 24.4 152°.72 2°.0/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.55	−21 13.1	1.582	2.459	15.0	20.8
6 30	20 37.31	−22 10.3	1.516	2.462	11.1	20.6
7 10	20 29.53	−23 14.6	1.473	2.465	6.8	20.3
7 20	20 19.98	−24 19.9	1.455	2.467	2.6	20.1
7 30	20 9.78	−25 19.4	1.463	2.470	3.8	20.1
8 9	20 0.25	−26 7.7	1.497	2.472	8.2	20.4
8 19	19 52.55	−26 42.1	1.554	2.474	12.4	20.7
8 29	19 47.53	−27 2.3	1.633	2.476	15.9	20.9

286024 2001 ST_{156} 7 24.4 322°.84 9°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.30	+ 3 37.2	1.785	2.582	16.9	20.1
6 30	20 31.64	+ 4 16.9	1.700	2.569	14.5	19.9
7 10	20 25.99	+ 4 34.5	1.634	2.556	12.0	19.7
7 20	20 18.88	+ 4 27.3	1.589	2.544	10.0	19.6
7 30	20 11.14	+ 3 54.6	1.568	2.532	9.1	19.5
8 9	20 3.76	+ 2 58.8	1.570	2.521	10.2	19.5
8 19	19 57.66	+ 1 45.3	1.595	2.510	12.4	19.7
8 29	19 53.62	+ 0 21.0	1.642	2.499	15.1	19.8

114743 2003 HL_{20} 7 24.4 316°.05 3°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.72	−27 58.2	1.960	2.839	12.4	18.8
6 30	20 34.24	−28 54.0	1.884	2.828	9.4	18.6
7 10	20 27.58	−29 50.7	1.830	2.817	6.2	18.3
7 20	20 19.37	−30 42.7	1.802	2.806	4.0	18.2
7 30	20 10.53	−31 24.4	1.800	2.796	5.1	18.2
8 9	20 2.16	−31 52.1	1.825	2.785	8.3	18.4
8 19	19 55.25	−32 4.6	1.874	2.776	11.5	18.6
8 29	19 50.60	−32 2.6	1.944	2.766	14.5	18.8

118404 1999 RC_{93} 7 24.4 285°.88 3°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.12	− 8 17.0	2.227	3.064	12.7	19.5
6 30	20 31.87	− 8 28.4	2.140	3.055	10.0	19.3
7 10	20 25.94	− 8 52.7	2.075	3.046	6.9	19.1
7 20	20 18.84	− 9 28.9	2.036	3.037	4.1	18.9
7 30	20 11.25	−10 14.5	2.024	3.028	3.5	18.9
8 9	20 3.99	−11 6.2	2.039	3.018	6.0	19.0
8 19	19 57.80	−12 0.1	2.080	3.009	9.2	19.2
8 29	19 53.32	−12 52.7	2.145	3.000	12.1	19.4

482636 2013 AD_{85} 7 24.4 328°.85 1°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.77	−21 32.2	1.759	2.635	13.7	20.8
6 30	20 35.03	−21 44.1	1.683	2.628	10.2	20.6
7 10	20 28.05	−21 59.9	1.630	2.621	6.2	20.3
7 20	20 19.51	−22 16.4	1.601	2.615	2.0	20.0
7 30	20 10.40	−22 29.9	1.599	2.609	2.9	20.1
8 9	20 1.88	−22 37.5	1.622	2.603	7.2	20.4
8 19	19 54.92	−22 38.0	1.671	2.597	11.2	20.6
8 29	19 50.32	−22 31.2	1.740	2.592	14.7	20.8

14998 Ogosemachi 7 24.4 333°.05 0°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.11	−15 59.3	1.814	2.682	13.8	18.0
6 30	20 33.68	−16 16.2	1.739	2.677	10.4	17.8
7 10	20 27.19	−16 42.2	1.685	2.673	6.5	17.6
7 20	20 19.25	−17 14.6	1.657	2.669	2.3	17.3
7 30	20 10.77	−17 49.9	1.654	2.666	2.4	17.3
8 9	20 2.79	−18 24.1	1.679	2.662	6.7	17.6
8 19	19 56.24	−18 54.3	1.728	2.659	10.6	17.8
8 29	19 51.86	−19 18.5	1.799	2.657	14.0	18.0

321479 2009 RK_{69} 7 24.4 308°.50 3°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.69	−26 50.1	2.086	2.961	11.9	20.5
6 30	20 34.10	−27 28.1	2.000	2.943	9.0	20.3
7 10	20 27.46	−28 7.1	1.938	2.926	5.8	20.0
7 20	20 19.35	−28 42.5	1.902	2.909	3.3	19.8
7 30	20 10.62	−29 9.9	1.892	2.892	4.3	19.9
8 9	20 2.30	−29 26.2	1.909	2.875	7.5	20.0
8 19	19 55.31	−29 30.3	1.951	2.859	10.9	20.2
8 29	19 50.44	−29 22.5	2.015	2.843	13.9	20.4

82829 2001 QJ_{45} 7 24.4 41°.97 1°.7/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.05	−12 56.1	1.389	2.262	16.9	19.2
6 30	20 34.79	−13 30.6	1.329	2.269	12.8	19.0
7 10	20 28.02	−14 20.8	1.289	2.277	8.1	18.7
7 20	20 19.52	−15 22.6	1.273	2.285	3.3	18.4
7 30	20 10.46	−16 30.1	1.282	2.293	3.0	18.4
8 9	20 2.13	−17 36.6	1.315	2.301	7.7	18.8
8 19	19 55.67	−18 36.6	1.372	2.310	12.3	19.0
8 29	19 51.88	−19 26.8	1.450	2.319	16.1	19.3

44968 1999 VC_{97} 7 24.4 220°.97 1°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.09	−15 35.6	1.646	2.511	15.1	20.0
6 30	20 36.86	−15 50.3	1.569	2.506	11.4	19.8
7 10	20 29.24	−16 15.2	1.515	2.502	7.2	19.5
7 20	20 19.92	−16 47.4	1.485	2.497	2.6	19.2
7 30	20 9.93	−17 23.0	1.481	2.492	2.7	19.2
8 9	20 0.51	−17 57.6	1.503	2.487	7.3	19.5
8 19	19 52.75	−18 28.1	1.550	2.481	11.6	19.7
8 29	19 47.48	−18 52.4	1.619	2.475	15.4	20.0

188249 2002 XU_{53} 7 24.4 317°.04 3°.7/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.75	−11 5.9	1.448	2.313	16.8	19.8
6 30	20 35.35	−10 51.6	1.373	2.306	13.1	19.6
7 10	20 28.43	−10 51.4	1.319	2.299	8.9	19.3
7 20	20 19.70	−11 4.7	1.287	2.292	4.8	19.1
7 30	20 10.25	−11 29.2	1.279	2.286	4.3	19.0
8 9	20 1.39	−12 1.0	1.296	2.280	8.1	19.2
8 19	19 54.29	−12 35.8	1.337	2.275	12.5	19.5
8 29	19 49.83	−13 9.7	1.398	2.269	16.5	19.7

66101 1998 SK_{22} 7 24.4 304°.25 2°.4/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.37	−11 48.2	2.151	3.001	12.6	19.2
6 30	20 32.17	−11 53.2	2.060	2.986	9.7	19.0
7 10	20 26.19	−12 8.6	1.992	2.971	6.5	18.8
7 20	20 18.96	−12 33.1	1.949	2.956	3.3	18.5
7 30	20 11.19	−13 4.5	1.934	2.942	2.9	18.5
8 9	20 3.75	−13 39.8	1.945	2.927	6.0	18.6
8 19	19 57.42	−14 15.9	1.982	2.913	9.5	18.8
8 29	19 52.89	−14 50.0	2.043	2.899	12.6	19.0

179398 2001 YH_{121} 7 24.4 207°.20 4°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.48	−32 26.9	2.305	3.171	11.3	20.3
6 30	20 36.00	−33 23.3	2.236	3.169	8.7	20.1
7 10	20 28.53	−34 16.6	2.191	3.167	6.2	20.0
7 20	20 19.67	−35 1.3	2.172	3.164	4.8	19.9
7 30	20 10.32	−35 33.0	2.180	3.161	5.7	19.9
8 9	20 1.47	−35 49.1	2.216	3.158	8.1	20.1
8 19	19 54.02	−35 49.4	2.276	3.155	10.7	20.3
8 29	19 48.66	−35 35.6	2.357	3.152	13.1	20.4

489958 2008 RX_{139} 7 24.4 284°.24 2°.8/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.51	−11 23.1	1.816	2.668	14.4	22.6
6 30	20 34.94	−11 26.8	1.717	2.643	11.3	22.4
7 10	20 28.14	−11 43.3	1.639	2.618	7.6	22.1
7 20	20 19.64	−12 11.5	1.585	2.592	3.9	21.8
7 30	20 10.30	−12 48.8	1.558	2.567	3.4	21.7
8 9	20 1.21	−13 31.6	1.558	2.541	7.2	21.9
8 19	19 53.44	−14 15.8	1.582	2.514	11.3	22.1
8 29	19 47.89	−14 57.7	1.629	2.488	15.1	22.3

141737 2002 LD_{29} 7 24.4 342°.16 4°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.16	−10 1.4	1.075	1.964	19.5	18.9
6 30	20 31.86	− 9 49.2	1.006	1.951	15.4	18.6
7 10	20 26.64	− 9 57.4	0.954	1.939	10.6	18.3
7 20	20 19.22	−10 25.8	0.921	1.928	6.0	18.0
7 30	20 10.88	−11 11.4	0.911	1.919	5.2	17.9
8 9	20 3.19	−12 7.8	0.921	1.911	9.5	18.2
8 19	19 57.58	−13 7.8	0.952	1.905	14.6	18.4
8 29	19 55.12	−14 4.6	1.001	1.900	19.2	18.7

206185 Yip 7 24.4 281°.88 2°.7/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.32	−25 34.7	1.908	2.782	12.9	20.9
6 30	20 36.15	−26 4.4	1.829	2.772	9.7	20.7
7 10	20 28.76	−26 35.3	1.773	2.762	6.1	20.4
7 20	20 19.79	−27 3.0	1.743	2.753	3.0	20.2
7 30	20 10.22	−27 23.1	1.739	2.743	4.0	20.3
8 9	20 1.18	−27 32.6	1.762	2.733	7.6	20.5
8 19	19 53.68	−27 30.7	1.810	2.723	11.2	20.7
8 29	19 48.49	−27 18.1	1.879	2.714	14.5	20.9

520513 2014 LS_{31} 7 24.4 114°.86 1°.8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.49	−13 52.2	2.735	3.576	10.5	21.2
6 30	20 33.20	−13 36.2	2.661	3.583	8.0	21.1
7 10	20 26.55	−13 25.9	2.612	3.590	5.2	20.9
7 20	20 19.03	−13 20.6	2.590	3.597	2.5	20.7
7 30	20 11.24	−13 19.1	2.597	3.605	2.3	20.7
8 9	20 3.87	−13 20.2	2.632	3.611	4.9	20.9
8 19	19 57.48	−13 22.6	2.695	3.618	7.6	21.1
8 29	19 52.58	−13 25.0	2.783	3.625	10.1	21.3

443581 2014 KZ_{67} 7 24.4 252°.91 5°.2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.94	− 3 13.4	2.337	3.148	13.0	21.1
6 30	20 32.40	− 2 58.7	2.248	3.139	10.6	20.9
7 10	20 26.25	− 2 58.1	2.182	3.130	8.0	20.7
7 20	20 18.98	− 3 11.9	2.140	3.121	5.8	20.6
7 30	20 11.25	− 3 39.5	2.124	3.112	5.2	20.5
8 9	20 3.83	− 4 18.2	2.136	3.103	6.8	20.6
8 19	19 57.43	− 5 4.8	2.173	3.093	9.3	20.8
8 29	19 52.67	− 5 55.3	2.235	3.084	12.0	20.9

450449 2005 UQ_{445} 7 24.4 249°.42 3°.7/26.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.23	− 7 16.8	2.523	3.347	11.7	22.2
6 30	20 32.52	− 7 7.3	2.431	3.336	9.3	22.1
7 10	20 26.29	− 7 8.6	2.361	3.324	6.7	21.9
7 20	20 18.99	− 7 20.6	2.317	3.312	4.3	21.7
7 30	20 11.25	− 7 42.0	2.301	3.299	3.8	21.7
8 9	20 3.79	− 8 10.6	2.313	3.287	5.8	21.8
8 19	19 57.29	− 8 44.0	2.351	3.274	8.6	21.9
8 29	19 52.32	− 9 19.2	2.414	3.261	11.2	22.1

509101 2005 UZ_{520} 7 24.4 10°.27 4°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.34	− 6 48.5	1.900	2.740	14.4	21.5
6 30	20 32.21	− 6 45.8	1.827	2.741	11.4	21.3
7 10	20 26.23	− 6 58.2	1.775	2.742	8.2	21.1
7 20	20 18.98	− 7 25.2	1.747	2.744	5.2	20.9
7 30	20 11.28	− 8 4.4	1.745	2.746	4.5	20.9
8 9	20 4.05	− 8 52.2	1.769	2.748	6.9	21.0
8 19	19 58.11	− 9 44.4	1.819	2.751	10.1	21.2
8 29	19 54.13	−10 36.6	1.891	2.754	13.2	21.5

115371 2003 SU_{255} 7 24.4 193°.76 1°.7/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.95	−13 17.2	2.439	3.281	11.6	21.1
6 30	20 34.54	−13 26.4	2.356	3.279	8.8	20.9
7 10	20 27.51	−13 43.8	2.296	3.276	5.7	20.7
7 20	20 19.36	−14 7.7	2.264	3.273	2.6	20.5
7 30	20 10.80	−14 35.7	2.260	3.269	2.3	20.5
8 9	20 2.61	−15 5.2	2.285	3.265	5.4	20.7
8 19	19 55.49	−15 33.9	2.336	3.260	8.6	20.9
8 29	19 50.07	−15 59.9	2.412	3.255	11.4	21.1

36486 2000 QW_{40} 7 24.4 49°.12 2°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.37	−12 58.0	1.165	2.045	18.9	18.7
6 30	20 36.79	−13 2.8	1.114	2.057	14.4	18.5
7 10	20 29.34	−13 23.7	1.082	2.069	9.3	18.3
7 20	20 19.98	−13 57.6	1.071	2.081	4.1	18.0
7 30	20 10.09	−14 39.4	1.084	2.094	3.7	18.0
8 9	20 1.20	−15 23.4	1.120	2.108	8.6	18.4
8 19	19 54.55	−16 4.5	1.179	2.121	13.4	18.7
8 29	19 50.97	−16 39.2	1.257	2.135	17.5	19.0

63154 2000 XR_{37} 7 24.4 236°.91 6°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.50	−38 38.6	2.591	3.443	10.6	19.8
6 30	20 37.46	−39 30.9	2.517	3.433	8.6	19.7
7 10	20 29.42	−40 16.2	2.467	3.423	6.8	19.5
7 20	20 19.98	−40 49.5	2.443	3.412	6.0	19.5
7 30	20 10.02	−41 6.6	2.446	3.402	6.8	19.5
8 9	20 0.56	−41 5.7	2.475	3.391	8.6	19.6
8 19	19 52.49	−40 47.5	2.529	3.379	10.8	19.7
8 29	19 46.51	−40 14.4	2.604	3.368	12.8	19.9

304335 2006 SD_{234} 7 24.4 22°.07 4°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.55	−31 6.2	1.753	2.629	13.8	20.2
6 30	20 37.87	−31 30.3	1.691	2.632	10.5	20.0
7 10	20 29.77	−31 49.8	1.653	2.636	7.1	19.8
7 20	20 20.08	−31 59.6	1.638	2.640	4.7	19.7
7 30	20 9.97	−31 55.7	1.650	2.644	5.6	19.8
8 9	20 0.71	−31 36.5	1.687	2.649	8.7	19.9
8 19	19 53.32	−31 3.4	1.748	2.654	12.0	20.2
8 29	19 48.54	−30 19.3	1.831	2.659	15.0	20.4

338731 2003 UD_{116} 7 24.4 222°.24 4°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 45.37	−34 18.0	2.492	3.348	10.9	22.0
6 30	20 38.84	−35 2.2	2.411	3.337	8.5	21.8
7 10	20 30.26	−35 41.7	2.355	3.325	6.2	21.7
7 20	20 20.25	−36 11.6	2.325	3.313	4.9	21.5
7 30	20 9.70	−36 27.6	2.323	3.300	5.7	21.6
8 9	19 59.62	−36 27.7	2.349	3.286	8.0	21.7
8 19	19 50.92	−36 12.4	2.400	3.272	10.5	21.8
8 29	19 44.34	−35 43.7	2.474	3.258	12.9	22.0

285737 2000 TV_{7} 7 24.4 301°.64 0°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.42	−19 6.3	1.961	2.830	12.8	21.1
6 30	20 33.98	−19 25.1	1.869	2.810	9.6	20.8
7 10	20 27.47	−19 50.4	1.799	2.789	5.9	20.6
7 20	20 19.44	−20 19.2	1.755	2.769	1.8	20.3
7 30	20 10.73	−20 47.9	1.737	2.748	2.5	20.3
8 9	20 2.37	−21 13.1	1.747	2.728	6.7	20.5
8 19	19 55.31	−21 32.5	1.781	2.708	10.6	20.7
8 29	19 50.35	−21 44.7	1.838	2.688	14.1	20.9

506428 2000 SJ_{100} 7 24.4 319°.69 1°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.20	−18 18.3	1.076	1.973	18.8	20.2
6 30	20 36.85	−17 36.9	0.988	1.942	14.5	19.8
7 10	20 30.04	−17 0.1	0.919	1.912	9.4	19.4
7 20	20 20.42	−16 27.0	0.870	1.883	3.6	19.0
7 30	20 9.36	−15 56.4	0.842	1.854	4.0	18.9
8 9	19 58.73	−15 27.0	0.837	1.826	10.2	19.2
8 19	19 50.36	−14 58.5	0.851	1.800	16.3	19.4
8 29	19 45.64	−14 30.5	0.882	1.775	21.7	19.6

48553 1993 TS_{31} 7 24.4 290°.70 1°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.38	−14 50.2	1.869	2.732	13.7	19.6
6 30	20 33.93	−15 9.6	1.785	2.721	10.4	19.4
7 10	20 27.41	−15 39.2	1.724	2.710	6.6	19.1
7 20	20 19.41	−16 16.5	1.688	2.700	2.5	18.9
7 30	20 10.79	−16 58.0	1.678	2.689	2.5	18.8
8 9	20 2.59	−17 39.6	1.695	2.678	6.6	19.1
8 19	19 55.74	−18 17.9	1.737	2.668	10.6	19.3
8 29	19 51.02	−18 50.3	1.801	2.658	14.1	19.5

505124 2012 FZ_{31} 7 24.4 209°.28 1°.2/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.77	−20 17.7	1.783	2.650	14.0	21.9
6 30	20 38.08	−20 58.6	1.705	2.645	10.5	21.6
7 10	20 30.02	−21 46.4	1.649	2.639	6.4	21.4
7 20	20 20.23	−22 36.4	1.619	2.633	2.1	21.1
7 30	20 9.75	−23 23.1	1.617	2.626	3.1	21.2
8 9	19 59.79	−24 2.0	1.641	2.618	7.5	21.4
8 19	19 51.44	−24 30.6	1.691	2.610	11.6	21.6
8 29	19 45.55	−24 48.2	1.762	2.601	15.1	21.8

38730 2000 QE_{138} 7 24.4 210°.95 0°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.48	−15 23.4	1.961	2.819	13.3	19.7
6 30	20 35.36	−15 50.2	1.881	2.815	10.0	19.5
7 10	20 28.22	−16 26.6	1.824	2.810	6.3	19.2
7 20	20 19.65	−17 9.5	1.793	2.806	2.2	19.0
7 30	20 10.51	−17 55.1	1.790	2.801	2.3	19.0
8 9	20 1.82	−18 39.2	1.814	2.795	6.4	19.2
8 19	19 54.49	−19 18.8	1.863	2.790	10.2	19.4
8 29	19 49.25	−19 51.6	1.936	2.784	13.6	19.6

21037 1990 EB 7 24.4 79°.30 4°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.68	− 6 27.5	1.463	2.311	17.5	17.6
6 30	20 35.78	− 7 2.8	1.408	2.328	13.7	17.4
7 10	20 28.54	− 7 59.3	1.372	2.345	9.4	17.2
7 20	20 19.73	− 9 13.9	1.360	2.362	5.4	17.0
7 30	20 10.46	−10 40.7	1.373	2.379	4.3	17.0
8 9	20 1.96	−12 12.2	1.413	2.396	7.7	17.2
8 19	19 55.24	−13 41.2	1.476	2.413	11.7	17.5
8 29	19 51.06	−15 2.0	1.562	2.429	15.3	17.7

487687 2015 PJ_{294} 7 24.4 271°.58 6°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.84	−38 43.6	2.441	3.293	11.2	20.6
6 30	20 38.50	−39 17.2	2.365	3.282	9.0	20.5
7 10	20 30.06	−39 42.7	2.312	3.271	7.1	20.3
7 20	20 20.20	−39 55.1	2.285	3.259	6.1	20.2
7 30	20 9.88	−39 50.7	2.285	3.248	6.8	20.3
8 9	20 0.15	−39 28.3	2.311	3.236	8.7	20.4
8 19	19 51.96	−38 49.2	2.362	3.225	11.0	20.5
8 29	19 46.00	−37 56.4	2.435	3.213	13.2	20.6

142409 2002 SJ_{29} 7 24.4 350°.17 2°.1/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.36	−15 11.4	1.014	1.918	19.2	19.4
6 30	20 32.15	−15 6.7	0.951	1.908	14.7	19.1
7 10	20 26.88	−15 16.8	0.905	1.899	9.4	18.8
7 20	20 19.34	−15 39.4	0.879	1.892	3.8	18.5
7 30	20 10.93	−16 10.2	0.874	1.886	3.7	18.4
8 9	20 3.32	−16 43.4	0.891	1.883	9.3	18.7
8 19	19 57.97	−17 13.9	0.927	1.881	14.8	19.0
8 29	19 55.91	−17 37.8	0.981	1.880	19.5	19.3

173800 2001 SS_{218} 7 24.4 343°.65 1°.7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.72	−22 24.2	1.667	2.549	14.1	19.6
6 30	20 34.41	−22 51.2	1.596	2.543	10.5	19.4
7 10	20 27.79	−23 22.6	1.546	2.538	6.4	19.2
7 20	20 19.54	−23 54.0	1.520	2.533	2.4	18.9
7 30	20 10.71	−24 20.9	1.520	2.529	3.4	19.0
8 9	20 2.47	−24 39.6	1.546	2.525	7.7	19.2
8 19	19 55.87	−24 48.5	1.595	2.522	11.7	19.4
8 29	19 51.71	−24 47.3	1.666	2.519	15.2	19.7

220997 2005 NS_{65} 7 24.4 46°.99 0°.7/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.05	−17 15.3	1.255	2.139	17.6	20.1
6 30	20 37.11	−17 23.9	1.208	2.155	13.1	19.8
7 10	20 29.45	−17 42.5	1.180	2.171	8.1	19.6
7 20	20 20.03	−18 7.2	1.174	2.188	2.7	19.3
7 30	20 10.20	−18 33.2	1.193	2.205	3.0	19.4
8 9	20 1.42	−18 56.3	1.237	2.223	8.1	19.8
8 19	19 54.81	−19 13.8	1.302	2.241	12.8	20.1
8 29	19 51.13	−19 24.3	1.388	2.259	16.6	20.4

155556 1999 VP_{80} 7 24.4 231°.12 5°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.43	+ 0 15.4	2.749	3.534	11.9	20.8
6 30	20 31.82	+ 0 35.8	2.657	3.525	9.9	20.6
7 10	20 25.83	+ 0 42.5	2.587	3.516	7.9	20.5
7 20	20 18.89	+ 0 34.8	2.542	3.506	6.2	20.3
7 30	20 11.55	+ 0 13.1	2.524	3.496	5.6	20.3
8 9	20 4.47	− 0 20.9	2.533	3.486	6.7	20.3
8 19	19 58.25	− 1 4.3	2.568	3.476	8.6	20.4
8 29	19 53.40	− 1 53.7	2.628	3.465	10.7	20.6

343527 2010 EX_{133} 7 24.4 48°.11 5°.6/21.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.90	−32 34.0	1.752	2.628	13.8	20.4
6 30	20 38.24	−33 20.7	1.693	2.632	10.6	20.2
7 10	20 30.08	−34 2.6	1.657	2.636	7.5	20.0
7 20	20 20.23	−34 33.2	1.645	2.641	5.6	19.9
7 30	20 9.90	−34 47.3	1.659	2.645	6.6	20.0
8 9	20 0.40	−34 42.9	1.698	2.650	9.4	20.2
8 19	19 52.81	−34 21.1	1.761	2.655	12.6	20.4
8 29	19 47.91	−33 44.9	1.844	2.660	15.4	20.6

374020 2004 EC_{5} 7 24.4 70°.82 4°.8/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.03	−29 38.0	1.472	2.353	15.6	20.7
6 30	20 40.05	−30 15.7	1.419	2.363	11.8	20.4
7 10	20 31.25	−30 50.2	1.387	2.373	7.8	20.2
7 20	20 20.60	−31 14.9	1.379	2.383	5.0	20.1
7 30	20 9.48	−31 24.1	1.396	2.392	6.0	20.2
8 9	19 59.41	−31 15.8	1.437	2.402	9.6	20.4
8 19	19 51.59	−30 51.5	1.502	2.412	13.4	20.7
8 29	19 46.80	−30 14.4	1.587	2.422	16.7	20.9

490940 2011 CV_{87} 7 24.4 275°.31 4°.9/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.22	− 0 6.8	2.913	3.694	11.4	23.1
6 30	20 32.49	− 0 18.6	2.791	3.661	9.5	22.9
7 10	20 26.32	− 0 45.1	2.693	3.627	7.4	22.7
7 20	20 19.08	− 1 26.8	2.620	3.592	5.5	22.5
7 30	20 11.28	− 2 22.6	2.575	3.557	4.9	22.4
8 9	20 3.56	− 3 30.0	2.559	3.521	6.1	22.5
8 19	19 56.56	− 4 45.4	2.571	3.485	8.4	22.5
8 29	19 50.85	− 6 4.8	2.609	3.448	10.8	22.6

117971 9613 P–L 7 24.4 280°.39 7°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.04	+ 1 14.9	2.020	2.818	15.2	20.0
6 30	20 32.79	+ 1 37.7	1.929	2.804	12.8	19.8
7 10	20 26.68	+ 1 41.5	1.858	2.790	10.3	19.6
7 20	20 19.21	+ 1 24.7	1.810	2.775	8.1	19.5
7 30	20 11.14	+ 0 47.3	1.786	2.760	7.4	19.4
8 9	20 3.37	− 0 7.8	1.788	2.746	8.6	19.4
8 19	19 56.75	− 1 16.0	1.815	2.731	11.1	19.6
8 29	19 52.00	− 2 31.7	1.864	2.717	13.8	19.7

115182 2003 ST_{92} 7 24.4 350°.25 0°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.67	−19 14.5	1.568	2.447	15.0	19.8
6 30	20 35.17	−19 27.8	1.498	2.444	11.2	19.5
7 10	20 28.28	−19 48.0	1.449	2.441	6.9	19.3
7 20	20 19.71	−20 11.6	1.425	2.439	2.1	19.0
7 30	20 10.56	−20 34.6	1.426	2.437	2.8	19.0
8 9	20 2.05	−20 53.3	1.452	2.436	7.5	19.3
8 19	19 55.27	−21 5.6	1.502	2.435	11.8	19.5
8 29	19 51.02	−21 10.5	1.574	2.435	15.5	19.8

131233 2001 DL_{105} 7 24.4 181°.17 1°.4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.76	−14 10.9	2.327	3.172	11.9	21.4
6 30	20 35.22	−14 22.1	2.247	3.173	9.0	21.2
7 10	20 27.98	−14 41.2	2.192	3.173	5.8	21.0
7 20	20 19.58	−15 6.4	2.163	3.173	2.4	20.7
7 30	20 10.76	−15 34.9	2.163	3.173	2.3	20.7
8 9	20 2.35	−16 4.1	2.191	3.172	5.6	21.0
8 19	19 55.11	−16 31.7	2.246	3.170	8.9	21.2
8 29	19 49.65	−16 55.7	2.325	3.168	11.8	21.4

509890 2009 BA_{116} 7 24.4 195°.93 0°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.15	−18 0.6	2.167	3.026	12.2	22.2
6 30	20 34.94	−18 25.2	2.089	3.025	9.1	22.0
7 10	20 27.89	−18 56.3	2.035	3.023	5.6	21.8
7 20	20 19.57	−19 30.8	2.007	3.021	1.7	21.5
7 30	20 10.77	−20 5.3	2.007	3.018	2.2	21.6
8 9	20 2.42	−20 36.6	2.035	3.015	6.0	21.8
8 19	19 55.32	−21 2.4	2.089	3.012	9.5	22.0
8 29	19 50.15	−21 21.5	2.167	3.009	12.5	22.2

253419 2003 QZ_{40} 7 24.4 301°.01 0°.4/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.20	−18 6.7	1.304	2.189	17.0	20.9
6 30	20 37.11	−18 12.4	1.215	2.163	13.0	20.6
7 10	20 29.96	−18 27.9	1.145	2.137	8.2	20.2
7 20	20 20.39	−18 50.0	1.097	2.111	2.7	19.8
7 30	20 9.60	−19 14.1	1.073	2.085	3.2	19.8
8 9	19 59.22	−19 35.6	1.073	2.059	9.1	20.0
8 19	19 50.76	−19 51.2	1.095	2.034	14.5	20.3
8 29	19 45.47	−19 59.0	1.136	2.010	19.3	20.5

115938 2003 WV_{28} 7 24.4 63°.89 1°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.35	−16 58.1	1.378	2.252	16.9	19.6
6 30	20 38.74	−16 41.2	1.318	2.260	12.8	19.3
7 10	20 30.46	−16 32.6	1.279	2.267	8.0	19.1
7 20	20 20.39	−16 29.9	1.263	2.275	3.0	18.8
7 30	20 9.82	−16 30.6	1.272	2.283	3.1	18.8
8 9	20 0.17	−16 31.9	1.307	2.292	8.0	19.1
8 19	19 52.59	−16 32.1	1.364	2.300	12.5	19.4
8 29	19 47.89	−16 29.9	1.443	2.308	16.4	19.7

449347 2013 GW_{18} 7 24.4 61°.02 0°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.43	−19 17.7	2.226	3.092	11.7	21.1
6 30	20 32.89	−20 6.8	2.157	3.096	8.6	20.9
7 10	20 26.62	−21 2.1	2.111	3.101	5.2	20.7
7 20	20 19.18	−21 59.7	2.091	3.105	1.7	20.5
7 30	20 11.31	−22 55.3	2.100	3.109	2.5	20.5
8 9	20 3.88	−23 45.0	2.137	3.114	6.0	20.8
8 19	19 57.63	−24 26.3	2.199	3.118	9.3	21.0
8 29	19 53.20	−24 57.8	2.285	3.123	12.1	21.2

177233 2003 UC_{252} 7 24.4 219°.93 2°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.62	−22 56.9	1.796	2.665	13.8	21.5
6 30	20 38.78	−23 34.7	1.716	2.657	10.3	21.3
7 10	20 30.50	−24 16.7	1.659	2.649	6.4	21.0
7 20	20 20.46	−24 58.0	1.628	2.640	2.6	20.7
7 30	20 9.69	−25 33.3	1.624	2.630	3.7	20.8
8 9	19 59.46	−25 58.6	1.646	2.620	7.8	21.0
8 19	19 50.87	−26 12.3	1.694	2.609	11.8	21.2
8 29	19 44.81	−26 14.6	1.763	2.598	15.3	21.4

62768 2000 UT_{17} 7 24.4 309°.29 2°.2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.77	−21 27.7	1.486	2.372	15.2	19.0
6 30	20 34.98	−22 18.6	1.400	2.350	11.4	18.7
7 10	20 28.49	−23 18.6	1.334	2.328	7.1	18.4
7 20	20 19.91	−24 22.1	1.293	2.306	2.7	18.1
7 30	20 10.32	−25 22.0	1.276	2.284	4.1	18.1
8 9	20 1.13	−26 11.9	1.284	2.263	8.9	18.3
8 19	19 53.67	−26 47.8	1.315	2.242	13.6	18.5
8 29	19 49.01	−27 8.5	1.366	2.222	17.7	18.7

365468 2010 OB_{88} 7 24.4 159°.40 7°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.36	+ 8 46.0	2.815	3.544	12.9	21.3
6 30	20 31.71	+ 9 20.3	2.736	3.548	11.3	21.1
7 10	20 25.74	+ 9 37.5	2.679	3.552	9.7	21.0
7 20	20 18.90	+ 9 36.0	2.644	3.556	8.4	20.9
7 30	20 11.73	+ 9 15.5	2.633	3.559	7.8	20.9
8 9	20 4.86	+ 8 37.7	2.649	3.562	8.2	20.9
8 19	19 58.86	+ 7 45.6	2.689	3.564	9.4	21.0
8 29	19 54.23	+ 6 43.4	2.753	3.567	10.9	21.1

239998 2001 SF_{233} 7 24.4 345°.41 2°.7/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.14	−21 38.9	1.017	1.925	18.8	19.5
6 30	20 35.20	−22 29.9	0.956	1.917	14.1	19.2
7 10	20 28.89	−23 31.2	0.914	1.911	8.7	18.9
7 20	20 20.06	−24 35.1	0.892	1.905	3.4	18.6
7 30	20 10.23	−25 32.2	0.892	1.901	5.0	18.7
8 9	20 1.30	−26 14.8	0.913	1.897	10.7	19.0
8 19	19 54.87	−26 39.3	0.954	1.895	16.0	19.3
8 29	19 52.05	−26 45.7	1.013	1.893	20.6	19.5

421171 2013 RW_{47} 7 24.4 11°.78 2°.4/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.54	−23 42.7	1.329	2.218	16.5	20.7
6 30	20 37.72	−24 7.4	1.268	2.219	12.3	20.5
7 10	20 30.02	−24 35.5	1.227	2.220	7.6	20.2
7 20	20 20.33	−25 1.4	1.210	2.222	3.1	20.0
7 30	20 10.00	−25 19.7	1.216	2.224	4.3	20.0
8 9	20 0.56	−25 26.6	1.247	2.227	9.0	20.3
8 19	19 53.30	−25 21.5	1.301	2.230	13.5	20.6
8 29	19 49.10	−25 5.5	1.374	2.233	17.4	20.8

471679 2012 TT_{189} 7 24.4 326°.87 8°.1/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.39	− 5 59.3	1.332	2.190	18.4	20.5
6 30	20 33.99	− 4 42.4	1.245	2.165	15.2	20.2
7 10	20 27.91	− 3 39.4	1.176	2.140	11.7	19.9
7 20	20 19.75	− 2 54.6	1.127	2.116	8.8	19.7
7 30	20 10.59	− 2 31.0	1.102	2.093	8.3	19.6
8 9	20 1.80	− 2 28.2	1.098	2.071	10.9	19.7
8 19	19 54.70	− 2 43.6	1.116	2.050	14.8	19.8
8 29	19 50.38	− 3 11.9	1.152	2.031	18.7	20.0

95975 2004 LX_{17} 7 24.4 19°.41 3°.0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 45.80	−29 1.7	1.485	2.366	15.5	18.4
6 30	20 39.63	−28 34.1	1.431	2.377	11.6	18.2
7 10	20 30.85	−28 0.9	1.399	2.388	7.4	18.0
7 20	20 20.50	−27 19.3	1.391	2.401	3.5	17.8
7 30	20 9.91	−26 27.6	1.408	2.414	4.3	17.8
8 9	20 0.48	−25 27.0	1.452	2.429	8.2	18.1
8 19	19 53.24	−24 20.4	1.519	2.444	12.2	18.4
8 29	19 48.87	−23 11.2	1.608	2.461	15.6	18.6

143383 2003 BR_{24} 7 24.4 213°.50 3°.6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.07	− 9 46.9	2.239	3.074	12.7	19.9
6 30	20 34.76	− 9 18.8	2.158	3.072	10.0	19.8
7 10	20 27.75	− 8 59.9	2.100	3.069	6.9	19.6
7 20	20 19.56	− 8 50.4	2.068	3.067	4.2	19.4
7 30	20 10.96	− 8 49.6	2.063	3.064	3.8	19.4
8 9	20 2.78	− 8 55.7	2.086	3.061	6.3	19.5
8 19	19 55.78	− 9 6.7	2.135	3.058	9.3	19.7
8 29	19 50.55	− 9 20.4	2.207	3.055	12.1	19.9

362497 2010 TE_{29} 7 24.4 205°.57 3°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.02	− 6 48.2	2.476	3.299	12.0	21.6
6 30	20 32.38	− 6 44.4	2.393	3.297	9.5	21.4
7 10	20 26.25	− 6 52.3	2.333	3.295	6.8	21.2
7 20	20 19.09	− 7 11.4	2.299	3.293	4.4	21.1
7 30	20 11.55	− 7 40.1	2.292	3.290	3.9	21.0
8 9	20 4.35	− 8 15.9	2.313	3.287	5.8	21.2
8 19	19 58.13	− 8 56.0	2.360	3.284	8.5	21.3
8 29	19 53.47	− 9 37.2	2.432	3.281	11.1	21.5

342842 2008 YB_{3} 7 24.4 85°.53 4°.2/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.76	+59 10.5	13.182	13.240	4.4	20.9
6 30	20 29.72	+59 21.3	13.144	13.259	4.4	20.9
7 10	20 24.20	+59 24.5	13.111	13.277	4.4	20.9
7 20	20 18.39	+59 19.7	13.083	13.295	4.3	20.9
7 30	20 12.52	+59 6.5	13.062	13.314	4.3	20.9
8 9	20 6.85	+58 45.0	13.050	13.332	4.2	20.9
8 19	20 1.58	+58 15.6	13.047	13.350	4.2	20.9
8 29	19 56.90	+57 39.0	13.054	13.368	4.2	20.9

337343 2001 FW_{196} 7 24.4 28°.20 2°.2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.09	−21 17.9	1.364	2.256	16.0	19.2
6 30	20 34.19	−22 17.2	1.316	2.269	11.8	19.0
7 10	20 27.75	−23 23.4	1.289	2.283	7.1	18.8
7 20	20 19.60	−24 29.8	1.285	2.297	2.8	18.5
7 30	20 10.98	−25 29.1	1.305	2.313	4.1	18.7
8 9	20 3.22	−26 15.9	1.350	2.329	8.5	19.0
8 19	19 57.41	−26 47.6	1.418	2.347	12.7	19.3
8 29	19 54.33	−27 4.3	1.506	2.364	16.2	19.5

208588 2002 CJ_{115} 7 24.4 47°.66 11°.1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 10.43	−45 48.3	1.100	1.954	21.6	19.0
6 30	20 58.51	−45 30.1	1.065	1.978	17.7	18.8
7 10	20 42.20	−44 43.2	1.048	2.002	14.0	18.7
7 20	20 23.82	−43 18.4	1.053	2.027	11.4	18.6
7 30	20 6.24	−41 15.4	1.081	2.052	11.5	18.7
8 9	19 51.88	−38 44.2	1.134	2.078	13.9	19.0
8 19	19 41.99	−35 59.3	1.209	2.104	17.1	19.2
8 29	19 36.84	−33 13.9	1.305	2.130	20.1	19.5

269942 2000 RK_{103} 7 24.4 338°.64 11°.5/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.77	+ 1 32.7	1.269	2.105	20.4	18.7
6 30	20 32.00	+ 2 54.4	1.194	2.089	17.6	18.5
7 10	20 26.64	+ 3 52.5	1.137	2.075	14.7	18.3
7 20	20 19.35	+ 4 21.1	1.097	2.061	12.3	18.1
7 30	20 11.19	+ 4 16.9	1.079	2.049	11.5	18.0
8 9	20 3.51	+ 3 41.4	1.081	2.038	12.8	18.1
8 19	19 57.56	+ 2 40.5	1.102	2.029	15.6	18.2
8 29	19 54.36	+ 1 22.9	1.143	2.021	18.9	18.4

501745 2014 UB_{124} 7 24.4 114°.55 0°.3/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.67	−20 24.3	1.411	2.286	16.5	21.1
6 30	20 40.51	−20 20.5	1.349	2.293	12.4	20.9
7 10	20 31.59	−20 21.5	1.309	2.299	7.6	20.6
7 20	20 20.80	−20 23.9	1.292	2.305	2.3	20.3
7 30	20 9.49	−20 24.1	1.300	2.311	3.0	20.4
8 9	19 59.11	−20 19.7	1.334	2.317	8.1	20.7
8 19	19 50.88	−20 10.1	1.392	2.323	12.7	21.0
8 29	19 45.63	−19 55.3	1.471	2.328	16.6	21.3

360012 2013 AL_{7} 7 24.4 91°.55 0°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.84	−20 20.8	2.358	3.214	11.4	20.8
6 30	20 35.85	−20 23.3	2.300	3.235	8.4	20.6
7 10	20 28.26	−20 28.6	2.267	3.255	5.1	20.5
7 20	20 19.69	−20 34.6	2.261	3.275	1.6	20.3
7 30	20 10.90	−20 39.0	2.284	3.294	2.0	20.3
8 9	20 2.72	−20 40.3	2.335	3.314	5.4	20.6
8 19	19 55.82	−20 37.7	2.413	3.333	8.5	20.8
8 29	19 50.74	−20 31.1	2.515	3.351	11.2	21.0

203940 2003 QQ_{77} 7 24.4 270°.36 5°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.16	−33 28.9	1.955	2.821	13.0	19.9
6 30	20 39.98	−34 3.5	1.871	2.804	10.1	19.7
7 10	20 31.28	−34 33.0	1.810	2.786	7.3	19.4
7 20	20 20.74	−34 51.5	1.774	2.768	5.5	19.3
7 30	20 9.49	−34 53.9	1.765	2.750	6.4	19.3
8 9	19 58.83	−34 37.9	1.782	2.731	9.2	19.5
8 19	19 49.91	−34 4.7	1.823	2.713	12.4	19.6
8 29	19 43.61	−33 17.2	1.885	2.694	15.4	19.8

281636 2008 UR_{315} 7 24.4 328°.85 2°.5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.17	−22 44.0	1.310	2.207	16.2	19.7
6 30	20 34.03	−23 21.0	1.230	2.185	12.2	19.4
7 10	20 28.03	−24 5.2	1.170	2.165	7.6	19.1
7 20	20 19.81	−24 50.8	1.133	2.145	3.1	18.7
7 30	20 10.61	−25 30.9	1.119	2.127	4.5	18.8
8 9	20 1.94	−25 59.8	1.128	2.109	9.5	19.0
8 19	19 55.22	−26 14.6	1.159	2.093	14.4	19.2
8 29	19 51.56	−26 14.9	1.209	2.078	18.7	19.5

373824 2002 XJ_{11} 7 24.4 235°.54 3°.4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.72	−25 41.3	1.865	2.736	13.3	21.1
6 30	20 38.17	−26 39.9	1.783	2.725	10.0	20.9
7 10	20 30.20	−27 41.8	1.725	2.713	6.4	20.6
7 20	20 20.43	−28 40.7	1.693	2.700	3.6	20.4
7 30	20 9.87	−29 30.5	1.687	2.687	4.8	20.5
8 9	19 59.77	−30 6.6	1.709	2.674	8.4	20.7
8 19	19 51.25	−30 27.3	1.755	2.660	12.1	20.9
8 29	19 45.20	−30 33.1	1.823	2.645	15.3	21.1

413767 2006 EY_{2} 7 24.4 236°.38 0°.5/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.10	−18 40.2	1.519	2.391	15.7	21.9
6 30	20 38.76	−19 10.7	1.439	2.382	11.8	21.6
7 10	20 30.69	−19 50.4	1.381	2.372	7.3	21.3
7 20	20 20.60	−20 34.9	1.348	2.361	2.3	21.0
7 30	20 9.66	−21 18.6	1.340	2.350	3.1	21.0
8 9	19 59.26	−21 56.4	1.358	2.339	8.2	21.3
8 19	19 50.69	−22 25.0	1.400	2.327	12.9	21.5
8 29	19 44.94	−22 43.3	1.462	2.315	16.9	21.7

363653 2004 RL_{325} 7 24.4 301°.17 9°.9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.35	+ 7 35.3	2.265	3.017	15.0	20.1
6 30	20 33.01	+ 8 41.1	2.158	2.986	13.4	19.9
7 10	20 26.88	+ 9 29.6	2.071	2.955	11.7	19.7
7 20	20 19.38	+ 9 56.9	2.005	2.923	10.3	19.6
7 30	20 11.17	+10 0.5	1.963	2.892	9.9	19.5
8 9	20 3.08	+ 9 40.5	1.945	2.860	10.6	19.5
8 19	19 55.93	+ 8 59.2	1.950	2.829	12.3	19.5
8 29	19 50.48	+ 8 1.3	1.977	2.798	14.4	19.6

129642 1998 KU_{5} 7 24.4 286°.80 3°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.59	− 6 38.6	1.785	2.625	15.2	19.8
6 30	20 33.50	− 7 9.9	1.695	2.612	12.0	19.6
7 10	20 27.30	− 8 0.4	1.627	2.598	8.4	19.3
7 20	20 19.52	− 9 8.7	1.583	2.584	4.9	19.1
7 30	20 11.03	−10 30.9	1.566	2.571	4.0	19.0
8 9	20 2.86	−12 0.9	1.574	2.557	7.1	19.1
8 19	19 56.01	−13 32.1	1.609	2.544	11.0	19.3
8 29	19 51.30	−14 58.8	1.666	2.530	14.6	19.5

311378 2005 SF_{223} 7 24.4 347°.19 0°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.88	−18 1.7	1.609	2.491	14.5	19.9
6 30	20 32.40	−18 40.2	1.536	2.483	10.9	19.7
7 10	20 26.66	−19 28.7	1.484	2.476	6.6	19.4
7 20	20 19.31	−20 22.8	1.456	2.470	2.0	19.1
7 30	20 11.33	−21 17.2	1.454	2.465	2.8	19.2
8 9	20 3.86	−22 6.6	1.477	2.460	7.4	19.4
8 19	19 57.95	−22 47.3	1.523	2.456	11.6	19.7
8 29	19 54.41	−23 17.2	1.591	2.454	15.3	19.9

165648 2001 HM_{25} 7 24.4 273°.97 3°.2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.57	−26 17.5	1.902	2.776	12.9	20.5
6 30	20 36.47	−26 58.8	1.822	2.764	9.7	20.2
7 10	20 29.09	−27 41.7	1.764	2.752	6.2	20.0
7 20	20 20.07	−28 20.9	1.732	2.740	3.4	19.8
7 30	20 10.38	−28 51.4	1.727	2.728	4.5	19.9
8 9	20 1.17	−29 9.7	1.749	2.716	8.0	20.0
8 19	19 53.50	−29 14.7	1.794	2.704	11.6	20.2
8 29	19 48.18	−29 7.1	1.862	2.692	14.8	20.4

511163 2013 YF_{43} 7 24.4 209°.58 0°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.47	−19 15.4	2.258	3.110	12.0	22.2
6 30	20 38.11	−19 9.1	2.173	3.104	9.0	22.0
7 10	20 29.84	−19 6.1	2.111	3.097	5.6	21.7
7 20	20 20.26	−19 4.6	2.076	3.090	1.8	21.5
7 30	20 10.20	−19 2.4	2.071	3.082	2.1	21.5
8 9	20 0.61	−18 57.9	2.094	3.073	5.9	21.7
8 19	19 52.32	−18 50.4	2.144	3.064	9.4	21.9
8 29	19 46.01	−18 39.5	2.218	3.054	12.5	22.1

177442 2004 CW_{98} 7 24.4 60°.72 2°.1/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.51	−23 24.2	1.391	2.274	16.2	20.0
6 30	20 38.89	−23 45.0	1.340	2.288	12.0	19.8
7 10	20 30.57	−24 8.6	1.310	2.302	7.4	19.5
7 20	20 20.49	−24 29.8	1.304	2.316	2.8	19.3
7 30	20 10.00	−24 43.8	1.322	2.331	3.9	19.4
8 9	20 0.54	−24 47.8	1.366	2.345	8.4	19.7
8 19	19 53.24	−24 41.3	1.433	2.360	12.7	20.0
8 29	19 48.87	−24 25.5	1.520	2.374	16.3	20.3

4892 Chrispollas 7 24.4 135°.62 5°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.10	− 4 56.0	1.658	2.489	16.6	16.9
6 30	20 36.73	− 4 37.6	1.591	2.497	13.3	16.7
7 10	20 29.15	− 4 37.0	1.544	2.504	9.8	16.5
7 20	20 20.07	− 4 54.4	1.520	2.511	6.7	16.3
7 30	20 10.48	− 5 28.1	1.522	2.517	5.8	16.3
8 9	20 1.50	− 6 13.9	1.550	2.524	8.2	16.4
8 19	19 54.13	− 7 7.1	1.602	2.529	11.5	16.6
8 29	19 49.11	− 8 2.3	1.676	2.535	14.8	16.9

133236 2003 QF_{107} 7 24.4 8°.97 9°.1/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.64	−33 15.3	0.963	1.876	19.2	18.4
6 30	20 36.67	−34 40.8	0.920	1.877	15.0	18.1
7 10	20 29.89	−36 0.2	0.894	1.879	11.1	17.9
7 20	20 20.40	−37 0.6	0.888	1.883	9.1	17.8
7 30	20 10.11	−37 31.8	0.902	1.888	10.6	17.9
8 9	20 1.16	−37 30.0	0.936	1.895	14.2	18.1
8 19	19 55.20	−36 58.0	0.988	1.903	18.2	18.4
8 29	19 53.21	−36 2.6	1.056	1.912	21.7	18.7

512030 2015 MK_{58} 7 24.4 353°.20 1°.8/23.6 18

6 20	20 40.87	−23 57.4	1.817	2.693	13.4	20.8
6 30	20 35.84	−24 9.4	1.746	2.690	10.0	20.6
7 10	20 28.61	−24 23.0	1.698	2.689	6.1	20.4
7 20	20 19.90	−24 34.6	1.675	2.687	2.4	20.1
7 30	20 10.71	−24 40.7	1.679	2.686	3.3	20.2
8 9	20 2.14	−24 38.9	1.708	2.686	7.2	20.4
8 19	19 55.17	−24 28.8	1.763	2.685	11.0	20.7
8 29	19 50.53	−24 11.0	1.839	2.685	14.2	20.9

260252 2004 RX_{340} 7 24.4 325°.17 6°.0/19.8 18

6 20	20 37.60	−30 9.1	1.761	2.646	13.3	19.4
6 30	20 33.98	−31 53.7	1.680	2.625	10.2	19.2
7 10	20 27.85	−33 41.2	1.623	2.604	7.4	19.0
7 20	20 19.78	−35 23.2	1.591	2.584	6.0	18.8
7 30	20 10.75	−36 50.6	1.584	2.565	7.5	18.9
8 9	20 2.04	−37 57.0	1.603	2.546	10.6	19.0
8 19	19 54.89	−38 39.5	1.644	2.528	13.9	19.2
8 29	19 50.34	−38 59.0	1.705	2.510	16.9	19.4

95135 2002 AM_{158} 7 24.4 167°.83 1°.7/25.5 18

6 20	20 41.06	−13 6.1	2.085	2.932	13.0	20.7
6 30	20 35.65	−13 21.8	2.010	2.936	9.9	20.5
7 10	20 28.37	−13 47.4	1.958	2.939	6.4	20.3
7 20	20 19.82	−14 20.7	1.932	2.942	2.8	20.1
7 30	20 10.82	−14 58.6	1.934	2.944	2.5	20.1
8 9	20 2.29	−15 37.7	1.964	2.946	6.0	20.3
8 19	19 55.05	−16 15.0	2.020	2.947	9.6	20.5
8 29	19 49.77	−16 48.0	2.100	2.948	12.7	20.7

476419 2008 DS_{31} 7 24.4 226°.34 4°.5/21.8 18

6 20	20 42.70	−32 19.1	2.327	3.191	11.3	21.7
6 30	20 36.95	−32 59.3	2.253	3.186	8.7	21.5
7 10	20 29.20	−33 35.8	2.204	3.180	6.1	21.3
7 20	20 20.09	−34 3.9	2.180	3.175	4.5	21.2
7 30	20 10.49	−34 19.6	2.184	3.169	5.4	21.2
8 9	20 1.42	−34 20.8	2.215	3.163	7.8	21.4
8 19	19 53.75	−34 7.7	2.271	3.157	10.5	21.5
8 29	19 48.18	−33 42.2	2.349	3.150	13.0	21.7

217188 2002 SE_{6} 7 24.4 279°.97 0°.4/24.3 18

6 20	20 41.63	−18 37.9	1.573	2.448	15.2	20.6
6 30	20 36.96	−19 5.9	1.485	2.428	11.5	20.3
7 10	20 29.65	−19 43.4	1.418	2.408	7.1	20.0
7 20	20 20.34	−20 26.3	1.374	2.388	2.2	19.6
7 30	20 10.08	−21 9.4	1.357	2.368	3.0	19.6
8 9	20 0.22	−21 47.6	1.365	2.347	8.0	19.9
8 19	19 52.02	−22 17.5	1.397	2.327	12.7	20.1
8 29	19 46.50	−22 37.4	1.450	2.306	16.8	20.3

241711 2000 TD 7 24.4 2°.40 0°.3/24.5 17

6 20	20 38.47	−19 31.0	0.962	1.870	19.6	19.6
6 30	20 35.36	−19 19.9	0.907	1.867	14.8	19.3
7 10	20 28.91	−19 17.2	0.870	1.866	9.1	19.0
7 20	20 20.10	−19 19.4	0.852	1.867	2.9	18.6
7 30	20 10.53	−19 22.3	0.856	1.869	3.5	18.7
8 9	20 2.04	−19 22.2	0.881	1.872	9.6	19.0
8 19	19 56.10	−19 17.2	0.926	1.877	15.1	19.3
8 29	19 53.69	−19 6.2	0.989	1.883	19.8	19.6

391594 2007 UK_{1} 7 24.4 314°.39 8°.1/28.5 16

6 20	20 36.77	+ 0 14.9	1.718	2.533	16.7	20.9
6 30	20 32.92	+ 0 53.8	1.632	2.519	14.1	20.7
7 10	20 26.96	+ 1 12.6	1.566	2.505	11.3	20.5
7 20	20 19.46	+ 1 8.9	1.522	2.491	9.0	20.3
7 30	20 11.27	+ 0 42.2	1.501	2.478	8.2	20.2
8 9	20 3.44	− 0 4.9	1.504	2.466	9.6	20.3
8 19	19 56.96	− 1 7.4	1.531	2.453	12.3	20.4
8 29	19 52.64	− 2 18.8	1.579	2.441	15.4	20.6

439527 2014 BZ_{60} 7 24.4 256°.28 1°.5/24.9 18

6 20	20 43.75	−16 41.7	1.918	2.774	13.6	20.6
6 30	20 37.93	−16 20.2	1.830	2.762	10.4	20.4
7 10	20 29.92	−16 4.2	1.764	2.749	6.6	20.1
7 20	20 20.37	−15 52.2	1.725	2.736	2.6	19.9
7 30	20 10.19	−15 42.9	1.712	2.723	2.7	19.8
8 9	20 0.48	−15 34.5	1.727	2.709	6.7	20.1
8 19	19 52.22	−15 26.1	1.768	2.695	10.7	20.3
8 29	19 46.20	−15 16.8	1.832	2.681	14.2	20.5

65747 1993 TE_{38} 7 24.4 281°.22 3°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.83	−25 51.7	1.940	2.814	12.7	19.5
6 30	20 35.98	−26 41.8	1.854	2.797	9.6	19.3
7 10	20 28.86	−27 34.7	1.791	2.779	6.1	19.1
7 20	20 20.06	−28 25.0	1.754	2.762	3.4	18.9
7 30	20 10.53	−29 7.3	1.744	2.744	4.5	18.9
8 9	20 1.38	−29 37.3	1.760	2.726	8.0	19.1
8 19	19 53.68	−29 53.4	1.800	2.708	11.6	19.3
8 29	19 48.28	−29 55.8	1.863	2.690	14.8	19.4

122571 2000 RE_{13} 7 24.4 273°.08 4°.4/26.0 18

6 20	20 42.88	− 9 40.3	1.883	2.721	14.6	19.6
6 30	20 37.42	− 9 1.3	1.783	2.698	11.6	19.3
7 10	20 29.73	− 8 32.3	1.705	2.675	8.2	19.1
7 20	20 20.35	− 8 13.8	1.652	2.651	5.2	18.8
7 30	20 10.17	− 8 5.9	1.625	2.626	4.8	18.8
8 9	20 0.27	− 8 7.3	1.626	2.601	7.7	18.9
8 19	19 51.70	− 8 15.9	1.651	2.576	11.4	19.0
8 29	19 45.33	− 8 29.0	1.699	2.551	15.0	19.2

474892 2005 SH_{175} 7 24.5 184°.24 4°.2/21.8 18

6 20	20 43.04	−33 26.4	2.699	3.555	10.1	22.3
6 30	20 36.91	−33 59.5	2.628	3.555	7.8	22.1
7 10	20 29.05	−34 28.1	2.582	3.555	5.6	22.0
7 20	20 20.05	−34 48.3	2.563	3.554	4.2	21.9
7 30	20 10.68	−34 56.9	2.572	3.553	4.9	21.9
8 9	20 1.81	−34 52.5	2.609	3.552	7.0	22.1
8 19	19 54.19	−34 35.6	2.671	3.550	9.4	22.2
8 29	19 48.44	−34 7.7	2.757	3.548	11.5	22.4

18989 2000 RV_{26} 7 24.5 267°.51 5°.1/27.4 18

6 20	20 37.91	− 4 8.9	2.317	3.131	13.0	18.5
6 30	20 33.26	− 3 45.5	2.223	3.117	10.6	18.3
7 10	20 26.94	− 3 35.1	2.151	3.101	8.0	18.1
7 20	20 19.42	− 3 38.5	2.103	3.086	5.8	17.9
7 30	20 11.39	− 3 55.1	2.082	3.071	5.2	17.9
8 9	20 3.64	− 4 22.9	2.088	3.055	6.9	17.9
8 19	19 56.89	− 4 59.1	2.119	3.039	9.5	18.1
8 29	19 51.81	− 5 40.2	2.175	3.023	12.3	18.2

428239 2006 XL_{58} 7 24.5 206°.67 1°.9/23.4 17

6 20	20 43.58	−22 38.5	1.890	2.758	13.3	22.3
6 30	20 37.90	−23 18.1	1.814	2.754	9.9	22.0
7 10	20 29.96	−24 1.9	1.760	2.749	6.1	21.8
7 20	20 20.40	−24 45.3	1.732	2.744	2.4	21.6
7 30	20 10.22	−25 23.1	1.732	2.739	3.5	21.6
8 9	20 0.56	−25 51.7	1.759	2.733	7.4	21.8
8 19	19 52.45	−26 9.2	1.811	2.726	11.2	22.1
8 29	19 46.69	−26 15.7	1.885	2.719	14.5	22.3

201513 2003 OU_{15} 7 24.5 305°.38 3°.2/25.4 18

6 20	20 41.73	−13 46.2	1.618	2.481	15.4	19.8
6 30	20 36.88	−13 6.0	1.525	2.457	12.0	19.5
7 10	20 29.54	−12 33.4	1.453	2.434	8.1	19.2
7 20	20 20.34	−12 8.5	1.404	2.411	4.2	18.9
7 30	20 10.27	−11 50.9	1.381	2.389	4.0	18.9
8 9	20 0.59	−11 39.5	1.384	2.366	7.9	19.0
8 19	19 52.48	−11 32.6	1.411	2.344	12.3	19.2
8 29	19 46.88	−11 28.6	1.458	2.323	16.3	19.4

512844 2016 UB_{145} 7 24.5 305°.30 2°.3/25.6 18

6 20	20 38.78	−12 47.4	1.789	2.648	14.3	21.8
6 30	20 34.34	−12 48.5	1.707	2.639	11.0	21.6
7 10	20 27.79	−13 0.9	1.648	2.630	7.3	21.3
7 20	20 19.74	−13 22.9	1.613	2.621	3.4	21.1
7 30	20 11.08	−13 51.9	1.603	2.613	3.1	21.0
8 9	20 2.87	−14 24.4	1.621	2.605	6.8	21.2
8 19	19 56.06	−14 57.0	1.662	2.596	10.8	21.5
8 29	19 51.44	−15 26.7	1.727	2.589	14.3	21.7

387522 1999 VL_{132} 7 24.5 332°.11 0°.1/24.5 18

6 20	20 38.31	−17 46.5	1.524	2.404	15.3	20.9
6 30	20 34.37	−18 10.2	1.449	2.395	11.5	20.6
7 10	20 27.98	−18 43.5	1.395	2.386	7.1	20.3
7 20	20 19.83	−19 22.8	1.364	2.378	2.2	20.0
7 30	20 10.96	−20 3.2	1.359	2.370	2.8	20.0
8 9	20 2.65	−20 40.1	1.379	2.363	7.7	20.3
8 19	19 56.02	−21 9.8	1.422	2.357	12.1	20.6
8 29	19 51.95	−21 30.7	1.485	2.351	16.0	20.8

433314 2013 PB_{40} 7 24.5 194°.03 0°.4/24.3 17

6 20	20 44.51	−19 43.4	2.034	2.892	12.9	22.4
6 30	20 38.37	−19 59.6	1.955	2.890	9.6	22.2
7 10	20 30.14	−20 20.5	1.899	2.887	5.9	22.0
7 20	20 20.45	−20 43.2	1.870	2.884	1.8	21.7
7 30	20 10.24	−21 4.1	1.869	2.880	2.4	21.7
8 9	20 0.53	−21 20.4	1.896	2.875	6.5	22.0
8 19	19 52.27	−21 30.6	1.949	2.869	10.2	22.2
8 29	19 46.19	−21 34.2	2.026	2.863	13.5	22.4

397388 2006 VE_{67} 7 24.5 312.°59 5.°3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.46	− 5 47.0	2.002	2.831	14.2	20.8
6 30	20 33.83	− 5 12.3	1.920	2.824	11.5	20.6
7 10	20 27.36	− 4 50.7	1.860	2.818	8.5	20.4
7 20	20 19.59	− 4 43.1	1.823	2.812	6.0	20.2
7 30	20 11.31	− 4 49.3	1.813	2.805	5.4	20.2
8 9	20 3.44	− 5 7.3	1.829	2.800	7.4	20.3
8 19	19 56.80	− 5 34.0	1.870	2.794	10.3	20.5
8 29	19 52.07	− 6 5.8	1.933	2.788	13.3	20.6

361986 2008 LR_{14} 7 24.5 321.°59 2.°9/26.4 18

6 20	20 35.93	− 9 19.6	2.135	2.978	12.9	20.9
6 30	20 31.90	− 9 36.5	2.051	2.971	10.1	20.7
7 10	20 26.16	−10 6.2	1.990	2.964	6.9	20.5
7 20	20 19.21	−10 47.4	1.954	2.958	3.8	20.3
7 30	20 11.77	−11 37.4	1.945	2.951	3.2	20.2
8 9	20 4.69	−12 32.2	1.963	2.945	6.0	20.4
8 19	19 58.72	−13 28.0	2.007	2.939	9.3	20.6
8 29	19 54.52	−14 21.2	2.075	2.934	12.4	20.8

281683 2008 WJ_{13} 7 24.5 308.°70 1.°2/23.9 18

6 20	20 39.98	−20 38.0	1.625	2.504	14.5	20.2
6 30	20 35.54	−21 8.6	1.547	2.493	10.9	19.9
7 10	20 28.68	−21 46.1	1.491	2.483	6.7	19.6
7 20	20 20.06	−22 26.0	1.459	2.473	2.2	19.3
7 30	20 10.71	−23 3.1	1.453	2.463	3.2	19.4
8 9	20 1.89	−23 33.3	1.473	2.453	7.8	19.6
8 19	19 54.72	−23 53.8	1.516	2.444	12.0	19.9
8 29	19 50.08	−24 3.8	1.580	2.435	15.8	20.1

199701 2006 HV_{40} 7 24.5 168.°29 4.°6/27.8 18

6 20	20 39.29	− 3 5.4	2.395	3.199	12.9	21.6
6 30	20 34.13	− 3 10.9	2.315	3.204	10.4	21.4
7 10	20 27.39	− 3 31.2	2.258	3.208	7.8	21.3
7 20	20 19.57	− 4 6.0	2.227	3.211	5.4	21.1
7 30	20 11.37	− 4 53.3	2.222	3.214	4.7	21.1
8 9	20 3.53	− 5 49.8	2.246	3.216	6.3	21.2
8 19	19 56.74	− 6 51.5	2.297	3.217	8.9	21.3
8 29	19 51.60	− 7 54.6	2.372	3.218	11.5	21.5

250382 2003 UA_{76} 7 24.5 224.°10 0.°8/24.8 17

6 20	20 44.01	−17 5.0	1.652	2.517	15.0	21.1
6 30	20 38.43	−17 10.9	1.574	2.511	11.4	20.9
7 10	20 30.40	−17 24.9	1.517	2.504	7.1	20.6
7 20	20 20.60	−17 44.3	1.485	2.497	2.5	20.3
7 30	20 10.10	−18 5.5	1.479	2.490	2.7	20.3
8 9	20 0.18	−18 25.0	1.500	2.483	7.4	20.6
8 19	19 51.95	−18 40.5	1.545	2.475	11.7	20.8
8 29	19 46.27	−18 50.5	1.612	2.466	15.5	21.0

12361 1993 TB 7 24.5 313.°31 0.°5/24.2 18

6 20	20 37.54	−19 25.6	1.983	2.854	12.6	18.5
6 30	20 33.37	−19 51.9	1.895	2.837	9.5	18.3
7 10	20 27.21	−20 24.7	1.830	2.820	5.8	18.0
7 20	20 19.59	−21 0.8	1.790	2.804	1.8	17.7
7 30	20 11.35	−21 36.4	1.777	2.788	2.5	17.7
8 9	20 3.48	−22 7.8	1.791	2.772	6.6	18.0
8 19	19 56.88	−22 32.4	1.830	2.757	10.4	18.2
8 29	19 52.32	−22 49.0	1.892	2.742	13.7	18.4

367063 2006 MT_{5} 7 24.5 356.°71 1.°4/24.8 17

6 20	20 38.32	−19 5.0	0.948	1.857	19.8	19.6
6 30	20 35.33	−18 26.0	0.891	1.850	15.0	19.3
7 10	20 28.97	−17 53.6	0.850	1.846	9.4	19.0
7 20	20 20.21	−17 26.5	0.829	1.843	3.4	18.7
7 30	20 10.65	−17 2.8	0.830	1.842	3.6	18.7
8 9	20 2.14	−16 40.9	0.851	1.842	9.7	19.0
8 19	19 56.19	−16 19.6	0.891	1.845	15.2	19.3
8 29	19 53.78	−15 57.8	0.950	1.849	20.0	19.6

492328 2014 DA_{18} 7 24.5 113.°15 15.°6/ 4.7 18

6 20	20 41.14	+15 47.0	1.208	1.962	25.6	20.7
6 30	20 36.81	+16 21.0	1.149	1.969	23.0	20.6
7 10	20 29.63	+16 11.4	1.102	1.977	20.2	20.4
7 20	20 20.39	+15 11.9	1.071	1.984	17.6	20.3
7 30	20 10.40	+13 21.1	1.059	1.991	15.9	20.2
8 9	20 1.17	+10 46.4	1.067	1.997	15.8	20.2
8 19	19 54.02	+ 7 41.7	1.095	2.004	17.3	20.3
8 29	19 49.92	+ 4 24.1	1.145	2.010	19.8	20.5

375688 2009 KN_{22} 7 24.5 23.°09 21.°2/ 8.0 17

6 20	20 37.17	+19 20.7	1.137	1.882	27.3	19.9
6 30	20 33.91	+21 59.4	1.101	1.892	25.6	19.8
7 10	20 27.85	+23 55.2	1.077	1.904	23.8	19.7
7 20	20 19.82	+24 58.8	1.066	1.917	22.4	19.6
7 30	20 11.14	+25 5.1	1.068	1.931	21.4	19.6
8 9	20 3.31	+24 16.5	1.085	1.947	21.2	19.7
8 19	19 57.58	+22 41.5	1.117	1.964	21.6	19.8
8 29	19 54.88	+20 33.0	1.163	1.982	22.5	19.9

250939 2005 XZ_{64} 7 24.5 230.°06 2.°9/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 37.43	− 8 23.4	2.921	3.742	10.4	21.4
6 30	20 32.59	− 8 23.0	2.825	3.730	8.2	21.2
7 10	20 26.41	− 8 31.8	2.753	3.717	5.7	21.0
7 20	20 19.29	− 8 49.1	2.707	3.704	3.5	20.8
7 30	20 11.78	− 9 13.8	2.690	3.691	3.1	20.8
8 9	20 4.51	− 9 43.6	2.701	3.677	5.0	20.9
8 19	19 58.04	−10 16.5	2.741	3.662	7.6	21.1
8 29	19 52.90	−10 50.1	2.805	3.648	10.0	21.2

160994 2002 CS_{205} 7 24.5 262.°57 1.°4/23.7 18

6 20	20 40.48	−23 7.3	2.277	3.142	11.5	20.6
6 30	20 35.26	−23 23.1	2.194	3.133	8.5	20.4
7 10	20 28.21	−23 40.8	2.134	3.123	5.2	20.2
7 20	20 19.88	−23 57.6	2.101	3.114	2.0	19.9
7 30	20 11.07	−24 10.4	2.096	3.104	2.7	20.0
8 9	20 2.68	−24 16.9	2.119	3.094	6.2	20.2
8 19	19 55.53	−24 16.2	2.168	3.085	9.5	20.4
8 29	19 50.28	−24 8.3	2.240	3.075	12.4	20.5

472882 2015 FH_{315} 7 24.5 338.°70 5.°3/27.7 18

6 20	20 37.38	− 4 22.2	1.589	2.429	16.7	20.9
6 30	20 33.49	− 4 35.5	1.514	2.426	13.5	20.7
7 10	20 27.37	− 5 10.3	1.458	2.423	9.8	20.5
7 20	20 19.66	− 6 5.9	1.425	2.420	6.4	20.3
7 30	20 11.32	− 7 19.0	1.417	2.417	5.4	20.2
8 9	20 3.45	− 8 43.3	1.434	2.415	7.9	20.4
8 19	19 57.09	−10 12.1	1.475	2.413	11.6	20.6
8 29	19 53.04	−11 38.4	1.539	2.411	15.2	20.8

308605 2005 VG_{119} 7 24.5 261.°87 2.°7/22.5 18

6 20	20 39.06	−25 16.6	2.282	3.151	11.3	20.9
6 30	20 34.30	−26 12.1	2.203	3.144	8.4	20.7
7 10	20 27.67	−27 10.1	2.149	3.136	5.3	20.5
7 20	20 19.73	−28 6.0	2.121	3.129	2.9	20.3
7 30	20 11.24	−28 55.1	2.121	3.121	3.9	20.4
8 9	20 3.13	−29 33.7	2.149	3.114	6.9	20.5
8 19	19 56.23	−30 0.2	2.202	3.106	10.0	20.7
8 29	19 51.23	−30 14.3	2.278	3.098	12.7	20.9

327134 2005 EN_{186} 7 24.5 228.°90 2.°1/23.4 17

6 20	20 45.23	−22 57.4	1.763	2.632	14.1	21.6
6 30	20 39.41	−23 37.0	1.681	2.621	10.5	21.4
7 10	20 31.06	−24 21.3	1.621	2.610	6.5	21.1
7 20	20 20.85	−25 5.1	1.586	2.598	2.7	20.9
7 30	20 9.84	−25 42.7	1.579	2.585	3.8	20.9
8 9	19 59.33	−26 10.0	1.598	2.572	8.0	21.1
8 19	19 50.48	−26 25.1	1.642	2.558	12.1	21.3
8 29	19 44.21	−26 28.3	1.708	2.543	15.7	21.5

489936 2008 RU_{85} 7 24.5 272.°32 1.°5/25.1 18

6 20	20 41.49	−15 19.9	1.869	2.728	13.8	22.2
6 30	20 36.43	−15 19.5	1.776	2.708	10.6	22.0
7 10	20 29.16	−15 27.7	1.704	2.689	6.8	21.7
7 20	20 20.24	−15 42.6	1.658	2.669	2.7	21.4
7 30	20 10.58	−16 1.5	1.638	2.649	2.7	21.4
8 9	20 1.27	−16 21.6	1.645	2.628	6.8	21.6
8 19	19 53.32	−16 40.2	1.678	2.607	11.0	21.8
8 29	19 47.60	−16 55.5	1.732	2.586	14.6	22.0

199989 2007 JK_{23} 7 24.5 349.°15 4.°2/22.1 18

6 20	20 35.42	−23 59.0	1.212	2.117	16.6	18.5
6 30	20 32.88	−25 19.2	1.148	2.107	12.5	18.3
7 10	20 27.41	−26 47.8	1.104	2.099	7.9	18.0
7 20	20 19.75	−28 15.8	1.082	2.092	4.4	17.8
7 30	20 11.20	−29 33.2	1.083	2.086	6.1	17.8
8 9	20 3.34	−30 32.0	1.107	2.082	10.6	18.1
8 19	19 57.58	−31 8.8	1.152	2.079	15.1	18.3
8 29	19 54.96	−31 23.5	1.215	2.077	19.1	18.6

104020 2000 DL_{110} 7 24.5 122.°20 2.°1/23.3 18

6 20	20 42.51	−24 25.0	2.138	3.004	12.1	20.3
6 30	20 36.74	−24 54.7	2.075	3.014	8.9	20.1
7 10	20 29.06	−25 25.8	2.036	3.024	5.5	19.9
7 20	20 20.13	−25 54.2	2.024	3.034	2.4	19.7
7 30	20 10.83	−26 16.3	2.039	3.044	3.3	19.8
8 9	20 2.14	−26 29.6	2.082	3.054	6.6	20.0
8 19	19 54.88	−26 33.4	2.151	3.063	9.8	20.2
8 29	19 49.68	−26 28.3	2.243	3.072	12.6	20.4

415032 2011 WK_{75} 7 24.5 348.°40 3.°4/25.4 17

6 20	20 39.29	−14 53.8	0.969	1.868	20.3	20.4
6 30	20 36.04	−14 13.3	0.908	1.861	15.7	20.1
7 10	20 29.45	−13 45.1	0.863	1.854	10.3	19.8
7 20	20 20.40	−13 28.9	0.838	1.849	4.9	19.5
7 30	20 10.44	−13 23.4	0.834	1.845	4.6	19.4
8 9	20 1.41	−13 25.3	0.852	1.842	9.9	19.7
8 19	19 54.85	−13 31.2	0.888	1.840	15.4	20.0
8 29	19 51.84	−13 37.7	0.943	1.840	20.2	20.3

290684 2005 US_{354} 7 24.5 247°.62 4°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.55	−31 17.7	2.345	3.211	11.1	20.5
6 30	20 36.11	−31 57.5	2.271	3.205	8.5	20.3
7 10	20 28.75	−32 34.6	2.220	3.200	5.9	20.1
7 20	20 20.06	−33 4.2	2.196	3.194	4.2	20.0
7 30	20 10.89	−33 22.5	2.200	3.188	5.0	20.1
8 9	20 2.22	−33 27.3	2.230	3.182	7.5	20.2
8 19	19 54.88	−33 18.6	2.286	3.176	10.3	20.4
8 29	19 49.56	−32 57.8	2.364	3.170	12.8	20.5

143852 2003 YR_{7} 7 24.5 83°.86 0°.7/24.1 17

6 20	20 42.89	−18 36.6	1.478	2.354	15.9	20.4
6 30	20 37.65	−19 19.1	1.423	2.368	11.8	20.2
7 10	20 29.89	−20 10.5	1.390	2.381	7.1	19.9
7 20	20 20.43	−21 5.3	1.380	2.394	2.2	19.6
7 30	20 10.48	−21 57.4	1.396	2.407	3.0	19.7
8 9	20 1.36	−22 41.7	1.438	2.420	7.8	20.1
8 19	19 54.16	−23 15.3	1.504	2.433	12.1	20.3
8 29	19 49.65	−23 37.3	1.591	2.445	15.7	20.6

274120 2008 EJ_{2} 7 24.5 24°.64 5°.8/21.7 17

6 20	20 42.61	−28 40.9	1.295	2.188	16.5	20.0
6 30	20 38.08	−29 56.7	1.241	2.191	12.5	19.8
7 10	20 30.47	−31 12.7	1.207	2.195	8.5	19.6
7 20	20 20.68	−32 19.7	1.196	2.199	5.8	19.5
7 30	20 10.16	−33 8.8	1.210	2.204	7.2	19.6
8 9	20 0.58	−33 35.2	1.246	2.209	11.0	19.8
8 19	19 53.33	−33 38.8	1.304	2.214	15.0	20.0
8 29	19 49.34	−33 22.6	1.381	2.220	18.5	20.3

151188 2001 XK_{217} 7 24.5 116°.89 3°.2/21.9 18

6 20	20 40.02	−25 20.4	2.293	3.161	11.3	20.1
6 30	20 34.96	−26 44.5	2.229	3.168	8.4	19.9
7 10	20 28.06	−28 11.2	2.189	3.175	5.4	19.7
7 20	20 19.85	−29 34.7	2.177	3.182	3.2	19.6
7 30	20 11.15	−30 49.4	2.194	3.189	4.3	19.7
8 9	20 2.86	−31 51.1	2.238	3.196	7.1	19.9
8 19	19 55.81	−32 37.7	2.309	3.202	10.0	20.1
8 29	19 50.68	−33 9.1	2.402	3.209	12.6	20.3

497118 2004 FM_{23} 7 24.5 93°.69 4°.9/22.5 17

6 20	20 46.35	−30 1.3	1.547	2.425	15.2	20.5
6 30	20 40.39	−30 38.9	1.486	2.429	11.5	20.3
7 10	20 31.64	−31 13.4	1.448	2.432	7.7	20.1
7 20	20 21.00	−31 38.0	1.433	2.436	5.0	19.9
7 30	20 9.80	−31 47.3	1.444	2.440	6.1	20.0
8 9	19 59.52	−31 39.1	1.480	2.443	9.5	20.2
8 19	19 51.39	−31 14.4	1.539	2.447	13.2	20.5
8 29	19 46.23	−30 36.5	1.618	2.450	16.5	20.7

208791 2002 QT_{49} 7 24.5 255°.46 0°.9/23.9 18

6 20	20 41.14	−20 45.9	2.215	3.076	11.9	21.4
6 30	20 35.89	−21 10.5	2.122	3.059	8.9	21.2
7 10	20 28.70	−21 39.8	2.053	3.042	5.4	20.9
7 20	20 20.09	−22 10.4	2.011	3.024	1.8	20.6
7 30	20 10.87	−22 38.9	1.996	3.006	2.5	20.7
8 9	20 1.97	−23 2.2	2.010	2.987	6.3	20.9
8 19	19 54.27	−23 18.5	2.050	2.968	9.9	21.1
8 29	19 48.53	−23 27.0	2.113	2.949	13.0	21.2

437227 2012 XG_{5} 7 24.5 331°.47 1°.9/25.5 18

6 20	20 36.90	−12 55.1	1.537	2.408	15.6	20.7
6 30	20 33.30	−13 16.3	1.458	2.397	12.0	20.4
7 10	20 27.36	−13 52.1	1.401	2.387	7.8	20.2
7 20	20 19.71	−14 39.8	1.366	2.377	3.4	19.9
7 30	20 11.34	−15 35.1	1.357	2.368	3.0	19.8
8 9	20 3.45	−16 32.5	1.373	2.359	7.4	20.1
8 19	19 57.12	−17 26.9	1.412	2.352	11.9	20.3
8 29	19 53.25	−18 14.3	1.473	2.345	15.8	20.6

316475 2010 VQ_{29} 7 24.5 319°.44 0°.9/24.0 18

6 20	20 38.85	−21 25.4	1.873	2.748	13.1	20.5
6 30	20 34.47	−21 37.4	1.787	2.731	9.8	20.3
7 10	20 27.94	−21 53.5	1.723	2.714	6.0	20.0
7 20	20 19.87	−22 10.6	1.684	2.697	2.0	19.7
7 30	20 11.16	−22 25.2	1.671	2.681	2.8	19.7
8 9	20 2.88	−22 34.5	1.684	2.665	6.9	20.0
8 19	19 56.01	−22 36.9	1.723	2.650	10.9	20.2
8 29	19 51.34	−22 31.9	1.783	2.635	14.4	20.4

362329 2010 JD_{77} 7 24.5 48°.05 6°.4/21.9 17

6 20	20 44.87	−29 7.5	1.097	1.997	18.4	21.1
6 30	20 40.07	−30 24.2	1.054	2.007	13.9	20.8
7 10	20 31.79	−31 39.6	1.030	2.018	9.4	20.6
7 20	20 21.12	−32 42.7	1.027	2.030	6.5	20.5
7 30	20 9.81	−33 24.3	1.048	2.042	7.9	20.6
8 9	19 59.78	−33 40.0	1.090	2.055	11.9	20.9
8 19	19 52.53	−33 31.4	1.153	2.068	16.1	21.2
8 29	19 48.96	−33 2.9	1.233	2.081	19.7	21.4

433126 2012 TV_{175} 7 24.5 359°.69 0°.9/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.65	−20 30.3	1.397	2.284	16.0	21.0
6 30	20 35.50	−20 47.6	1.332	2.282	11.9	20.7
7 10	20 28.74	−21 11.5	1.288	2.281	7.3	20.5
7 20	20 20.15	−21 37.7	1.267	2.281	2.3	20.2
7 30	20 10.92	−22 1.4	1.270	2.281	3.2	20.2
8 9	20 2.44	−22 18.7	1.298	2.282	8.1	20.5
8 19	19 55.88	−22 27.5	1.348	2.284	12.7	20.8
8 29	19 52.09	−22 27.3	1.419	2.286	16.5	21.0

344106 1999 TH_{237} 7 24.5 313°.68 2°.0/23.5 18

6 20	20 39.93	−22 33.1	1.554	2.438	14.8	20.4
6 30	20 35.73	−23 5.8	1.474	2.422	11.1	20.2
7 10	20 28.95	−23 44.0	1.414	2.407	6.9	19.9
7 20	20 20.26	−24 22.9	1.379	2.392	2.7	19.6
7 30	20 10.75	−24 56.8	1.369	2.377	3.8	19.6
8 9	20 1.75	−25 21.2	1.384	2.363	8.4	19.9
8 19	19 54.47	−25 34.0	1.422	2.349	12.8	20.1
8 29	19 49.87	−25 34.7	1.480	2.335	16.6	20.3

510963 2013 GU_{56} 7 24.5 117°.91 1°.2/25.4 18

6 20	20 37.93	−13 54.9	2.604	3.448	10.8	21.8
6 30	20 33.01	−14 15.4	2.535	3.460	8.2	21.7
7 10	20 26.68	−14 43.3	2.491	3.472	5.2	21.5
7 20	20 19.42	−15 16.7	2.473	3.483	2.2	21.3
7 30	20 11.86	−15 52.9	2.484	3.495	1.9	21.3
8 9	20 4.71	−16 29.3	2.524	3.506	4.9	21.5
8 19	19 58.56	−17 3.5	2.591	3.516	7.8	21.8
8 29	19 53.93	−17 33.7	2.683	3.527	10.4	21.9

246999 1999 VN_{41} 7 24.5 305°.29 2°.5/25.8 18

6 20	20 37.34	−11 59.4	2.018	2.870	13.2	20.6
6 30	20 33.18	−12 0.6	1.923	2.850	10.2	20.4
7 10	20 27.11	−12 12.5	1.851	2.830	6.8	20.1
7 20	20 19.63	−12 34.1	1.804	2.811	3.5	19.9
7 30	20 11.53	−13 3.1	1.783	2.791	3.0	19.8
8 9	20 3.72	−13 36.5	1.789	2.772	6.4	20.0
8 19	19 57.09	−14 11.0	1.820	2.753	10.1	20.1
8 29	19 52.38	−14 43.8	1.875	2.734	13.4	20.3

311343 2005 QP_{92} 7 24.5 279°.15 0°.3/24.3 18

6 20	20 39.18	−19 15.1	2.139	3.003	12.1	21.4
6 30	20 34.43	−19 35.1	2.054	2.992	9.1	21.2
7 10	20 27.80	−20 0.7	1.992	2.981	5.6	20.9
7 20	20 19.83	−20 29.0	1.956	2.969	1.7	20.6
7 30	20 11.33	−20 56.7	1.947	2.958	2.3	20.7
8 9	20 3.20	−21 20.7	1.966	2.947	6.1	20.9
8 19	19 56.30	−21 39.2	2.011	2.936	9.7	21.1
8 29	19 51.33	−21 50.9	2.079	2.924	12.9	21.3

148459 2000 YV_{97} 7 24.5 80°.30 0°.3/24.4 18

6 20	20 42.56	−21 24.5	2.275	3.134	11.7	19.4
6 30	20 36.60	−21 11.5	2.206	3.141	8.7	19.2
7 10	20 28.92	−21 0.1	2.160	3.148	5.3	19.0
7 20	20 20.13	−20 48.5	2.142	3.155	1.7	18.8
7 30	20 11.04	−20 35.1	2.152	3.163	2.1	18.8
8 9	20 2.53	−20 18.9	2.190	3.170	5.7	19.1
8 19	19 55.35	−19 59.6	2.255	3.177	9.0	19.3
8 29	19 50.07	−19 37.4	2.344	3.184	11.8	19.5

231308 2006 BD_{190} 7 24.5 169°.58 1°.8/23.5 17

6 20	20 43.09	−23 13.8	2.116	2.980	12.2	21.9
6 30	20 37.28	−23 46.6	2.045	2.983	9.1	21.7
7 10	20 29.49	−24 22.0	1.998	2.986	5.6	21.5
7 20	20 20.34	−24 55.9	1.977	2.989	2.3	21.3
7 30	20 10.74	−25 24.4	1.984	2.990	3.1	21.4
8 9	20 1.66	−25 44.7	2.019	2.992	6.7	21.6
8 19	19 54.00	−25 55.4	2.080	2.993	10.0	21.8
8 29	19 48.43	−25 56.8	2.164	2.993	13.0	22.0

316828 1999 XZ_{236} 7 24.5 208°.42 5°.2/20.0 18

6 20	20 41.61	−36 10.0	2.853	3.708	9.7	21.2
6 30	20 36.03	−37 16.4	2.782	3.702	7.7	21.0
7 10	20 28.69	−38 18.3	2.735	3.697	5.9	20.9
7 20	20 20.11	−39 10.8	2.716	3.691	5.2	20.8
7 30	20 11.02	−39 49.9	2.724	3.685	5.9	20.9
8 9	20 2.29	−40 13.3	2.760	3.678	7.7	21.0
8 19	19 54.70	−40 20.7	2.820	3.671	9.8	21.1
8 29	19 48.90	−40 13.6	2.903	3.664	11.7	21.2

349971 2010 EE_{40} 7 24.5 221°.08 6°.3/28.7 18

6 20	20 38.47	− 0 20.6	2.024	2.827	15.0	21.1
6 30	20 33.89	− 0 17.6	1.940	2.823	12.4	20.9
7 10	20 27.47	− 0 33.7	1.877	2.818	9.6	20.7
7 20	20 19.74	− 1 9.5	1.838	2.813	7.2	20.6
7 30	20 11.48	− 2 3.4	1.824	2.808	6.3	20.5
8 9	20 3.58	− 3 11.7	1.837	2.803	7.8	20.6
8 19	19 56.87	− 4 29.1	1.875	2.797	10.4	20.8
8 29	19 52.04	− 5 49.9	1.937	2.792	13.3	20.9

179404 2001 YF_{142} 7 24.5 232.°82 0.°1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.63	−18 42.3	2.294	3.153	11.6	21.4
6 30	20 34.60	−18 59.2	2.212	3.147	8.7	21.2
7 10	20 27.83	−19 21.3	2.154	3.141	5.3	21.0
7 20	20 19.84	−19 46.1	2.122	3.135	1.7	20.7
7 30	20 11.39	−20 10.8	2.118	3.129	2.1	20.7
8 9	20 3.34	−20 32.5	2.142	3.122	5.7	21.0
8 19	19 56.44	−20 49.5	2.192	3.115	9.1	21.2
8 29	19 51.36	−21 0.7	2.266	3.109	12.1	21.4

252157 2001 BU_{54} 7 24.5 119.°78 5.°8/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.78	− 4 17.7	1.694	2.520	16.5	20.7
6 30	20 37.21	− 4 1.9	1.631	2.533	13.3	20.6
7 10	20 29.51	− 4 4.4	1.589	2.546	9.8	20.4
7 20	20 20.37	− 4 25.0	1.570	2.559	6.7	20.2
7 30	20 10.79	− 5 1.8	1.577	2.571	5.9	20.2
8 9	20 1.87	− 5 50.6	1.609	2.582	8.0	20.4
8 19	19 54.53	− 6 46.2	1.667	2.593	11.2	20.6
8 29	19 49.50	− 7 43.7	1.747	2.604	14.4	20.8

256476 2007 DF_{61} 7 24.5 141.°01 1.°6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.72	−22 24.2	2.441	3.305	10.8	21.1
6 30	20 33.84	−23 12.8	2.370	3.309	8.0	20.9
7 10	20 27.32	−24 4.9	2.324	3.313	4.9	20.7
7 20	20 19.67	−24 56.6	2.305	3.317	2.0	20.6
7 30	20 11.62	−25 43.9	2.315	3.321	2.9	20.6
8 9	20 3.96	−26 23.7	2.353	3.324	5.9	20.8
8 19	19 57.43	−26 54.2	2.417	3.328	8.9	21.0
8 29	19 52.62	−27 14.7	2.504	3.331	11.5	21.2

251819 1999 TP_{135} 7 24.5 351.°75 5.°7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.74	− 8 8.7	1.175	2.047	19.3	19.9
6 30	20 34.39	− 7 40.6	1.109	2.042	15.4	19.6
7 10	20 28.25	− 7 32.2	1.061	2.038	11.0	19.4
7 20	20 20.07	− 7 44.2	1.034	2.035	6.9	19.1
7 30	20 11.12	− 8 14.9	1.029	2.033	6.0	19.1
8 9	20 2.87	− 8 59.2	1.046	2.031	9.4	19.3
8 19	19 56.62	− 9 50.8	1.085	2.031	13.9	19.5
8 29	19 53.34	−10 43.4	1.142	2.031	18.1	19.8

514749 2007 DS_{111} 7 24.5 201.°06 6.°0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 45.48	−39 14.8	2.545	3.393	10.9	21.5
6 30	20 38.99	−39 52.3	2.478	3.391	8.8	21.3
7 10	20 30.49	−40 21.7	2.434	3.389	6.9	21.2
7 20	20 20.66	−40 37.9	2.417	3.387	6.0	21.1
7 30	20 10.45	−40 37.5	2.426	3.385	6.7	21.2
8 9	20 0.86	−40 19.5	2.462	3.382	8.5	21.3
8 19	19 52.77	−39 45.3	2.523	3.379	10.6	21.4
8 29	19 46.85	−38 57.7	2.606	3.376	12.6	21.6

145081 2005 GV_{49} 7 24.5 328.°94 1.°9/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 35.27	−14 53.0	1.084	1.982	18.7	19.2
6 30	20 33.05	−14 56.1	1.005	1.958	14.4	18.9
7 10	20 27.75	−15 14.9	0.943	1.936	9.3	18.5
7 20	20 20.02	−15 47.5	0.902	1.914	3.8	18.1
7 30	20 11.10	−16 29.2	0.882	1.894	3.6	18.1
8 9	20 2.67	−17 14.0	0.884	1.875	9.4	18.3
8 19	19 56.33	−17 55.7	0.906	1.858	15.2	18.6
8 29	19 53.32	−18 29.7	0.945	1.842	20.2	18.8

25191 Rachelouise 7 24.5 331.°89 4.°4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.94	− 8 8.7	1.687	2.536	15.5	18.2
6 30	20 33.83	− 7 58.1	1.609	2.530	12.3	18.0
7 10	20 27.58	− 8 2.9	1.552	2.524	8.7	17.8
7 20	20 19.81	− 8 22.6	1.519	2.518	5.3	17.6
7 30	20 11.45	− 8 55.2	1.510	2.513	4.6	17.5
8 9	20 3.55	− 9 37.1	1.527	2.508	7.5	17.7
8 19	19 57.10	−10 23.7	1.568	2.504	11.2	17.9
8 29	19 52.87	−11 10.7	1.631	2.500	14.7	18.1

75715 2000 AM_{120} 7 24.5 175.°23 1.°4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.00	−13 10.1	1.868	2.719	14.1	19.9
6 30	20 36.67	−13 44.6	1.793	2.722	10.7	19.7
7 10	20 29.24	−14 31.4	1.741	2.723	6.8	19.5
7 20	20 20.33	−15 27.1	1.714	2.725	2.8	19.2
7 30	20 10.85	−16 27.2	1.714	2.725	2.5	19.2
8 9	20 1.86	−17 26.9	1.743	2.725	6.6	19.5
8 19	19 54.30	−18 21.9	1.797	2.725	10.5	19.7
8 29	19 48.93	−19 9.4	1.874	2.724	13.9	19.9

95851 Stromvil 7 24.5 30.°02 7.°2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.92	−33 19.3	1.343	2.232	16.3	19.2
6 30	20 38.99	−34 23.5	1.296	2.240	12.7	19.0
7 10	20 30.98	−35 21.4	1.269	2.249	9.2	18.8
7 20	20 20.89	−36 4.2	1.264	2.258	7.2	18.7
7 30	20 10.24	−36 24.8	1.283	2.268	8.3	18.8
8 9	20 0.70	−36 20.9	1.325	2.278	11.4	19.0
8 19	19 53.58	−35 54.4	1.388	2.289	14.9	19.2
8 29	19 49.72	−35 10.2	1.471	2.300	18.0	19.5

225629 2001 DN_{51} 7 24.5 97.°75 2.°4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.89	−23 17.0	1.997	2.864	12.7	20.2
6 30	20 37.13	−24 18.5	1.945	2.885	9.4	20.1
7 10	20 29.39	−25 22.8	1.917	2.906	5.8	19.9
7 20	20 20.33	−26 24.6	1.916	2.926	2.7	19.7
7 30	20 10.91	−27 18.7	1.942	2.946	3.7	19.8
8 9	20 2.15	−28 1.2	1.997	2.965	7.0	20.1
8 19	19 54.91	−28 30.8	2.076	2.985	10.3	20.3
8 29	19 49.84	−28 47.7	2.179	3.003	13.1	20.5

5048 Moriarty 7 24.5 66.°63 0.°1/24.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.88	−18 31.4	1.594	2.466	15.2	17.0
6 30	20 37.40	−18 46.7	1.543	2.484	11.3	16.8
7 10	20 29.63	−19 8.8	1.513	2.502	6.9	16.6
7 20	20 20.41	−19 34.3	1.507	2.521	2.2	16.3
7 30	20 10.85	−19 58.8	1.528	2.540	2.6	16.4
8 9	20 2.12	−20 19.3	1.575	2.558	7.1	16.7
8 19	19 55.20	−20 33.6	1.647	2.577	11.1	17.0
8 29	19 50.77	−20 41.0	1.740	2.595	14.5	17.3

417309 2006 BR_{120} 7 24.5 24.°28 5.°0/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.58	− 7 36.1	1.043	1.923	20.7	20.3
6 30	20 34.40	− 7 43.2	0.991	1.929	16.3	20.1
7 10	20 28.27	− 8 15.5	0.956	1.936	11.3	19.8
7 20	20 20.08	− 9 11.2	0.940	1.944	6.6	19.6
7 30	20 11.21	−10 24.5	0.946	1.954	5.3	19.6
8 9	20 3.25	−11 46.7	0.975	1.964	9.3	19.8
8 19	19 57.52	−13 8.8	1.024	1.975	14.1	20.1
8 29	19 54.92	−14 23.4	1.093	1.986	18.4	20.4

476505 2008 GA_{22} 7 24.5 273.°03 6.°9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.74	−36 54.6	2.377	3.236	11.2	20.8
6 30	20 37.52	−38 49.6	2.299	3.220	9.1	20.7
7 10	20 29.99	−40 41.8	2.247	3.203	7.4	20.5
7 20	20 20.65	−42 23.2	2.223	3.187	6.9	20.5
7 30	20 10.38	−43 46.7	2.226	3.170	8.0	20.5
8 9	20 0.31	−44 47.8	2.255	3.153	10.1	20.6
8 19	19 51.53	−45 25.4	2.307	3.136	12.4	20.7
8 29	19 44.99	−45 41.3	2.380	3.119	14.5	20.9

177648 2004 RR_{179} 7 24.5 6.°31 5.°1/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.60	− 4 9.4	2.091	2.914	13.9	19.6
6 30	20 32.41	− 3 56.5	2.015	2.914	11.2	19.4
7 10	20 26.51	− 3 58.8	1.960	2.914	8.4	19.3
7 20	20 19.45	− 4 16.3	1.929	2.915	5.9	19.1
7 30	20 11.97	− 4 47.8	1.924	2.916	5.2	19.1
8 9	20 4.88	− 5 30.3	1.945	2.917	6.9	19.2
8 19	19 58.95	− 6 19.8	1.992	2.919	9.7	19.4
8 29	19 54.80	− 7 12.1	2.062	2.920	12.5	19.5

461861 2006 HW_{39} 7 24.5 34.°16 1.°3/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.99	−18 58.4	1.013	1.915	19.3	20.1
6 30	20 36.29	−19 48.8	0.971	1.928	14.3	19.9
7 10	20 29.42	−20 50.7	0.947	1.943	8.7	19.6
7 20	20 20.42	−21 56.6	0.945	1.959	2.8	19.3
7 30	20 10.87	−22 57.5	0.965	1.975	3.9	19.5
8 9	20 2.49	−23 46.5	1.007	1.993	9.5	19.8
8 19	19 56.61	−24 20.1	1.070	2.011	14.6	20.2
8 29	19 54.08	−24 37.8	1.151	2.030	18.7	20.5

438294 2006 BX_{60} 7 24.5 195.°90 2.°3/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.59	−24 53.8	2.333	3.193	11.4	22.4
6 30	20 37.61	−25 35.8	2.255	3.190	8.5	22.2
7 10	20 29.71	−26 19.4	2.200	3.187	5.3	22.0
7 20	20 20.47	−27 0.6	2.173	3.182	2.6	21.8
7 30	20 10.72	−27 35.1	2.175	3.177	3.5	21.8
8 9	20 1.39	−27 59.9	2.205	3.172	6.6	22.0
8 19	19 53.34	−28 13.9	2.261	3.165	9.8	22.2
8 29	19 47.27	−28 17.4	2.341	3.158	12.5	22.4

242067 2002 TF_{70} 7 24.5 315.°63 5.°6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.35	− 6 42.4	1.708	2.551	15.6	19.9
6 30	20 34.19	− 6 7.0	1.623	2.536	12.6	19.6
7 10	20 27.86	− 5 45.9	1.557	2.522	9.3	19.4
7 20	20 19.94	− 5 40.4	1.515	2.508	6.4	19.2
7 30	20 11.34	− 5 50.2	1.498	2.494	5.7	19.1
8 9	20 3.13	− 6 12.9	1.505	2.481	8.2	19.2
8 19	19 56.31	− 6 45.0	1.537	2.468	11.7	19.4
8 29	19 51.72	− 7 22.2	1.590	2.456	15.1	19.6

293821 2007 RD_{188} 7 24.5 320.°02 3.°3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.79	−10 14.2	1.801	2.651	14.6	21.0
6 30	20 34.34	−10 11.8	1.723	2.647	11.4	20.8
7 10	20 27.85	−10 22.4	1.667	2.643	7.8	20.6
7 20	20 19.91	−10 45.0	1.636	2.640	4.3	20.4
7 30	20 11.42	−11 17.2	1.630	2.636	3.7	20.3
8 9	20 3.39	−11 55.4	1.650	2.633	6.9	20.5
8 19	19 56.76	−12 35.7	1.696	2.630	10.6	20.7
8 29	19 52.25	−13 14.7	1.763	2.627	14.0	20.9

447719 2007 EU_{151} 7 24.5 92°.68 4°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 36.25	− 2 1.8	2.413	3.218	12.8	20.8
6 30	20 31.91	− 2 15.8	2.338	3.225	10.4	20.6
7 10	20 26.11	− 2 45.5	2.285	3.232	7.8	20.5
7 20	20 19.31	− 3 30.4	2.257	3.239	5.5	20.4
7 30	20 12.17	− 4 28.1	2.256	3.246	4.8	20.3
8 9	20 5.39	− 5 35.0	2.283	3.253	6.2	20.4
8 19	19 59.62	− 6 47.0	2.336	3.260	8.6	20.6
8 29	19 55.38	− 7 59.5	2.415	3.267	11.1	20.8

215836 2005 CW_{18} 7 24.5 94°.38 0°.9/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.20	−14 48.1	1.508	2.372	16.2	20.9
6 30	20 38.50	−15 24.2	1.456	2.392	12.2	20.7
7 10	20 30.39	−16 12.2	1.425	2.412	7.6	20.5
7 20	20 20.68	−17 7.6	1.418	2.431	2.7	20.3
7 30	20 10.56	−18 4.7	1.438	2.450	2.7	20.3
8 9	20 1.28	−18 58.0	1.484	2.468	7.3	20.7
8 19	19 53.90	−19 43.8	1.555	2.486	11.6	20.9
8 29	19 49.14	−20 20.0	1.647	2.504	15.1	21.2

108609 2001 MF_{21} 7 24.5 330°.78 0°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.46	−18 16.8	1.213	2.106	17.4	18.8
6 30	20 35.14	−18 16.7	1.137	2.090	13.2	18.5
7 10	20 28.85	−18 25.9	1.081	2.074	8.3	18.1
7 20	20 20.33	−18 41.4	1.045	2.059	2.8	17.8
7 30	20 10.85	−18 59.1	1.033	2.045	3.2	17.7
8 9	20 2.00	−19 14.5	1.044	2.032	8.9	18.0
8 19	19 55.19	−19 24.7	1.076	2.021	14.1	18.3
8 29	19 51.51	−19 27.9	1.127	2.010	18.7	18.5

148043 1998 SF_{25} 7 24.5 291°.04 3°.5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.10	−24 40.7	1.509	2.393	15.2	19.8
6 30	20 37.65	−25 36.0	1.423	2.371	11.5	19.5
7 10	20 30.35	−26 37.2	1.358	2.349	7.3	19.3
7 20	20 20.82	−27 37.5	1.318	2.327	3.8	19.0
7 30	20 10.22	−28 29.4	1.302	2.306	5.2	19.0
8 9	20 0.03	−29 6.9	1.312	2.284	9.6	19.2
8 19	19 51.66	−29 27.2	1.344	2.262	14.0	19.4
8 29	19 46.23	−29 30.7	1.396	2.241	18.0	19.6

228659 2002 GZ_{3} 7 24.5 156°.07 10°.8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.51	−55 8.7	2.503	3.287	12.9	21.4
6 30	20 50.30	−56 31.8	2.464	3.296	11.7	21.4
7 10	20 37.80	−57 36.8	2.446	3.305	11.0	21.3
7 20	20 23.06	−58 15.8	2.451	3.313	10.9	21.3
7 30	20 7.69	−58 24.4	2.480	3.320	11.4	21.4
8 9	19 53.50	−58 2.4	2.530	3.326	12.4	21.5
8 19	19 41.93	−57 13.8	2.601	3.332	13.7	21.6
8 29	19 33.90	−56 4.8	2.690	3.337	14.9	21.7

360965 2005 UM_{175} 7 24.5 180°.54 4°.3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.08	− 5 6.8	2.646	3.456	11.6	21.3
6 30	20 33.16	− 4 46.8	2.564	3.457	9.4	21.2
7 10	20 26.82	− 4 38.0	2.505	3.457	6.9	21.0
7 20	20 19.54	− 4 40.5	2.472	3.457	4.9	20.9
7 30	20 11.91	− 4 53.4	2.466	3.457	4.4	20.8
8 9	20 4.61	− 5 15.0	2.489	3.456	5.9	20.9
8 19	19 58.24	− 5 42.9	2.538	3.456	8.3	21.1
8 29	19 53.34	− 6 14.3	2.611	3.455	10.6	21.2

144450 2004 EX_{40} 7 24.5 156°.25 0°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.89	−16 20.1	2.201	3.056	12.2	20.8
6 30	20 34.80	−16 35.8	2.127	3.059	9.1	20.6
7 10	20 27.95	−16 58.6	2.077	3.062	5.7	20.4
7 20	20 19.91	−17 25.9	2.052	3.065	2.0	20.1
7 30	20 11.46	−17 55.0	2.056	3.067	2.1	20.1
8 9	20 3.47	−18 22.8	2.087	3.069	5.7	20.4
8 19	19 56.69	−18 47.1	2.145	3.071	9.1	20.6
8 29	19 51.76	−19 6.5	2.227	3.073	12.1	20.8

74329 1998 UU_{45} 7 24.5 347°.25 3°.3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.93	−26 35.2	1.694	2.573	14.0	19.5
6 30	20 36.95	−27 9.4	1.626	2.571	10.5	19.3
7 10	20 29.55	−27 44.2	1.580	2.569	6.7	19.0
7 20	20 20.46	−28 14.2	1.559	2.567	3.6	18.9
7 30	20 10.80	−28 34.5	1.564	2.566	4.6	18.9
8 9	20 1.81	−28 42.0	1.594	2.565	8.3	19.1
8 19	19 54.57	−28 36.3	1.648	2.564	12.0	19.4
8 29	19 49.89	−28 18.6	1.723	2.563	15.3	19.6

469522 2003 SG_{45} 7 24.5 337°.35 7°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 34.09	− 1 1.8	1.395	2.236	18.6	20.0
6 30	20 31.41	− 0 51.2	1.315	2.221	15.5	19.8
7 10	20 26.35	− 1 6.4	1.253	2.208	12.0	19.5
7 20	20 19.52	− 1 49.1	1.212	2.196	8.9	19.3
7 30	20 11.89	− 2 58.1	1.193	2.185	7.7	19.2
8 9	20 4.70	− 4 27.4	1.197	2.175	9.6	19.3
8 19	19 59.08	− 6 8.9	1.224	2.166	13.1	19.5
8 29	19 55.96	− 7 53.3	1.272	2.158	16.8	19.7

107884 2001 FK_{91} 7 24.5 140°.54 3°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 46.56	−26 28.1	1.679	2.552	14.5	20.1
6 30	20 40.33	−27 8.1	1.618	2.559	10.8	19.9
7 10	20 31.57	−27 48.5	1.579	2.567	6.9	19.7
7 20	20 21.09	−28 23.3	1.566	2.574	3.7	19.5
7 30	20 10.09	−28 47.2	1.579	2.580	4.7	19.6
8 9	19 59.90	−28 57.3	1.618	2.586	8.4	19.8
8 19	19 51.62	−28 53.4	1.681	2.592	12.1	20.0
8 29	19 46.06	−28 37.3	1.766	2.597	15.4	20.3

12758 Kabudari 7 24.5 296°.60 0°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.97	−17 27.6	2.173	3.035	12.0	18.7
6 30	20 33.58	−17 46.4	2.081	3.017	9.1	18.5
7 10	20 27.34	−18 12.2	2.012	3.000	5.6	18.3
7 20	20 19.77	−18 42.6	1.969	2.983	1.9	18.0
7 30	20 11.63	−19 14.3	1.954	2.965	2.1	18.0
8 9	20 3.79	−19 44.3	1.966	2.948	6.0	18.2
8 19	19 57.10	−20 10.0	2.004	2.931	9.6	18.4
8 29	19 52.26	−20 29.8	2.065	2.914	12.8	18.6

85700 1998 RT_{70} 7 24.5 284°.32 0°.2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.64	−17 43.5	1.861	2.728	13.5	19.5
6 30	20 34.99	−18 20.3	1.787	2.727	10.1	19.3
7 10	20 28.26	−19 5.6	1.736	2.725	6.2	19.1
7 20	20 20.06	−19 55.5	1.709	2.723	1.9	18.8
7 30	20 11.31	−20 45.5	1.710	2.721	2.5	18.8
8 9	20 3.04	−21 31.1	1.738	2.720	6.7	19.1
8 19	19 56.18	−22 9.1	1.791	2.718	10.6	19.3
8 29	19 51.50	−22 38.0	1.866	2.716	13.9	19.5

362542 2010 UG_{44} 7 24.5 268°.51 4°.6/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 36.78	− 4 17.3	2.388	3.203	12.6	21.2
6 30	20 32.44	− 4 10.3	2.297	3.192	10.2	21.0
7 10	20 26.52	− 4 17.0	2.228	3.181	7.6	20.8
7 20	20 19.49	− 4 37.3	2.184	3.170	5.3	20.6
7 30	20 12.00	− 5 10.1	2.166	3.159	4.7	20.6
8 9	20 4.78	− 5 52.8	2.176	3.148	6.4	20.7
8 19	19 58.53	− 6 42.0	2.212	3.136	9.0	20.8
8 29	19 53.87	− 7 34.0	2.273	3.125	11.7	21.0

243849 2000 WK_{8} 7 24.5 296°.95 1°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.60	−15 46.7	2.083	2.938	12.7	19.6
6 30	20 35.65	−15 32.1	1.980	2.911	9.8	19.3
7 10	20 28.69	−15 23.6	1.900	2.884	6.3	19.1
7 20	20 20.23	−15 20.1	1.846	2.856	2.7	18.8
7 30	20 11.07	−15 20.0	1.819	2.829	2.5	18.7
8 9	20 2.17	−15 21.5	1.819	2.801	6.4	18.9
8 19	19 54.47	−15 22.9	1.845	2.774	10.2	19.1
8 29	19 48.74	−15 23.0	1.894	2.746	13.6	19.3

214516 2006 EH_{63} 7 24.5 87°.23 8°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.25	+ 3 5.2	1.854	2.646	16.5	20.2
6 30	20 33.84	+ 3 28.5	1.781	2.649	14.0	20.1
7 10	20 27.50	+ 3 29.7	1.727	2.651	11.3	19.9
7 20	20 19.82	+ 3 7.2	1.695	2.654	9.1	19.8
7 30	20 11.63	+ 2 21.7	1.687	2.656	8.2	19.7
8 9	20 3.91	+ 1 16.9	1.704	2.659	9.2	19.8
8 19	19 57.51	− 0 1.4	1.746	2.662	11.5	19.9
8 29	19 53.11	− 1 26.7	1.810	2.664	14.1	20.1

147093 2002 TM_{1} 7 24.5 275°.54 1°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.32	−14 23.5	1.671	2.532	15.1	20.1
6 30	20 37.43	−14 27.8	1.575	2.509	11.6	19.8
7 10	20 30.03	−14 43.2	1.500	2.485	7.5	19.5
7 20	20 20.72	−15 7.7	1.450	2.461	3.2	19.2
7 30	20 10.45	−15 38.2	1.425	2.436	3.0	19.1
8 9	20 0.48	−16 10.6	1.427	2.411	7.5	19.3
8 19	19 52.00	−16 41.6	1.453	2.386	12.1	19.5
8 29	19 46.01	−17 8.3	1.501	2.360	16.2	19.7

270476 2002 DU_{19} 7 24.5 21°.40 6°.9/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 37.03	− 2 9.5	1.466	2.303	18.0	19.9
6 30	20 33.31	− 2 0.5	1.402	2.308	14.8	19.7
7 10	20 27.34	− 2 14.8	1.357	2.313	11.2	19.5
7 20	20 19.79	− 2 52.8	1.333	2.319	8.0	19.3
7 30	20 11.69	− 3 52.0	1.332	2.325	6.9	19.3
8 9	20 4.20	− 5 6.8	1.356	2.332	8.8	19.4
8 19	19 58.33	− 6 29.9	1.403	2.339	12.1	19.6
8 29	19 54.86	− 7 54.0	1.471	2.348	15.5	19.8

369460 2010 RD_{61} 7 24.5 296°.28 0°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.53	−17 51.9	2.139	3.001	12.2	21.4
6 30	20 33.96	−18 7.0	2.055	2.991	9.1	21.2
7 10	20 27.55	−18 28.4	1.994	2.981	5.7	20.9
7 20	20 19.84	−18 53.7	1.958	2.972	1.8	20.7
7 30	20 11.62	−19 19.9	1.951	2.962	2.1	20.7
8 9	20 3.78	−19 44.0	1.970	2.952	6.0	20.9
8 19	19 57.15	−20 3.8	2.015	2.943	9.6	21.1
8 29	19 52.40	−20 18.0	2.084	2.933	12.7	21.3

314379 2005 UO_{78} 7 24.5 202.°82 2.°3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.89	−12 19.2	2.404	3.246	11.7	20.8
6 30	20 33.93	−12 11.2	2.324	3.245	9.0	20.6
7 10	20 27.38	−12 11.3	2.267	3.243	6.0	20.4
7 20	20 19.76	−12 18.5	2.236	3.242	3.1	20.2
7 30	20 11.75	−12 31.3	2.233	3.240	2.7	20.2
8 9	20 4.13	−12 47.5	2.257	3.238	5.5	20.4
8 19	19 57.57	−13 5.2	2.309	3.236	8.5	20.6
8 29	19 52.66	−13 22.3	2.385	3.234	11.3	20.7

25744 Surajmishra 7 24.5 279.°10 3.°3/26.1 18

6 20	20 40.78	−10 37.7	1.560	2.417	16.2	19.4
6 30	20 36.36	−10 42.7	1.469	2.397	12.7	19.1
7 10	20 29.42	−11 3.2	1.398	2.377	8.6	18.8
7 20	20 20.54	−11 38.4	1.350	2.357	4.5	18.5
7 30	20 10.71	−12 25.0	1.328	2.336	3.9	18.4
8 9	20 1.20	−13 18.3	1.331	2.315	7.9	18.6
8 19	19 53.24	−14 13.1	1.358	2.294	12.5	18.8
8 29	19 47.83	−15 4.7	1.406	2.273	16.6	19.0

187236 2005 SD_{160} 7 24.5 142.°09 1.°3/25.4 18

6 20	20 39.04	−14 20.8	2.478	3.324	11.3	21.5
6 30	20 33.96	−14 28.9	2.405	3.331	8.5	21.3
7 10	20 27.36	−14 44.2	2.355	3.337	5.4	21.1
7 20	20 19.75	−15 4.9	2.332	3.342	2.3	20.9
7 30	20 11.80	−15 28.7	2.338	3.348	2.1	20.9
8 9	20 4.26	−15 53.4	2.372	3.353	5.2	21.1
8 19	19 57.78	−16 16.8	2.432	3.358	8.2	21.3
8 29	19 52.93	−16 37.3	2.517	3.363	10.9	21.5

478974 2012 XL_{103} 7 24.5 183.°67 9.°5/30.9 17

6 20	20 39.73	+11 20.1	2.569	3.280	14.4	21.1
6 30	20 34.50	+12 19.2	2.489	3.281	12.8	21.0
7 10	20 27.73	+12 59.4	2.429	3.281	11.3	20.9
7 20	20 19.89	+13 18.0	2.391	3.280	10.1	20.8
7 30	20 11.62	+13 13.5	2.376	3.279	9.5	20.8
8 9	20 3.65	+12 47.1	2.386	3.278	9.9	20.8
8 19	19 56.66	+12 1.8	2.420	3.276	11.0	20.9
8 29	19 51.23	+11 2.3	2.476	3.273	12.5	21.0

73484 2002 PD_{72} 7 24.5 229.°91 5.°2/27.3 18

6 20	20 40.04	− 4 35.9	2.200	3.014	13.5	20.1
6 30	20 34.97	− 4 8.5	2.112	3.007	11.0	19.9
7 10	20 28.13	− 3 54.3	2.046	2.999	8.3	19.7
7 20	20 20.03	− 3 54.0	2.006	2.990	5.9	19.6
7 30	20 11.43	− 4 7.2	1.991	2.981	5.3	19.5
8 9	20 3.17	− 4 31.7	2.004	2.972	7.1	19.6
8 19	19 56.03	− 5 4.6	2.043	2.963	9.8	19.8
8 29	19 50.68	− 5 42.3	2.105	2.953	12.6	19.9

475943 2007 EV_{173} 7 24.5 197.°65 5.°8/29.8 18

6 20	20 36.57	+ 4 41.8	3.254	4.001	10.9	22.5
6 30	20 31.86	+ 4 52.9	3.162	3.997	9.4	22.3
7 10	20 25.99	+ 4 50.0	3.093	3.993	7.7	22.2
7 20	20 19.31	+ 4 32.5	3.048	3.988	6.4	22.1
7 30	20 12.33	+ 4 0.8	3.030	3.982	5.8	22.1
8 9	20 5.56	+ 3 16.6	3.040	3.976	6.4	22.1
8 19	19 59.51	+ 2 22.6	3.076	3.970	7.8	22.2
8 29	19 54.63	+ 1 22.3	3.138	3.963	9.5	22.3

82109 2001 FT_{46} 7 24.5 115.°87 1.°6/23.8 18

6 20	20 45.45	−22 9.9	1.612	2.484	15.0	20.1
6 30	20 39.48	−22 37.7	1.552	2.495	11.1	19.9
7 10	20 31.05	−23 9.6	1.515	2.505	6.8	19.7
7 20	20 20.96	−23 40.7	1.503	2.516	2.5	19.5
7 30	20 10.39	−24 6.0	1.517	2.526	3.4	19.5
8 9	20 0.65	−24 22.4	1.558	2.535	7.7	19.8
8 19	19 52.79	−24 28.7	1.622	2.545	11.8	20.1
8 29	19 47.59	−24 25.4	1.709	2.554	15.2	20.3

336629 2009 VG_{88} 7 24.5 37.°14 3.°3/25.7 17

6 20	20 42.45	−13 17.2	1.419	2.286	16.9	20.1
6 30	20 37.35	−12 43.4	1.360	2.295	13.0	19.8
7 10	20 29.78	−12 20.6	1.322	2.304	8.6	19.6
7 20	20 20.56	−12 8.4	1.306	2.314	4.4	19.4
7 30	20 10.88	−12 5.2	1.316	2.324	4.0	19.4
8 9	20 2.04	−12 8.4	1.350	2.334	7.9	19.7
8 19	19 55.10	−12 15.5	1.408	2.345	12.1	19.9
8 29	19 50.82	−12 23.8	1.487	2.357	15.7	20.2

218874 2006 YW_{37} 7 24.5 296.°91 2.°6/23.5 18

6 20	20 43.22	−24 17.3	1.469	2.353	15.5	20.2
6 30	20 38.44	−24 40.5	1.387	2.335	11.7	20.0
7 10	20 30.79	−25 6.9	1.326	2.317	7.4	19.7
7 20	20 21.00	−25 31.3	1.288	2.300	3.2	19.4
7 30	20 10.26	−25 48.1	1.275	2.283	4.3	19.4
8 9	20 0.09	−25 53.4	1.287	2.265	9.0	19.6
8 19	19 51.84	−25 46.1	1.322	2.249	13.6	19.8
8 29	19 46.55	−25 27.3	1.377	2.232	17.6	20.1

358893 2008 GL_{41} 7 24.5 121.°67 0.°9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.27	−14 58.5	2.390	3.240	11.5	21.5
6 30	20 33.47	−15 23.6	2.318	3.247	8.6	21.4
7 10	20 27.11	−15 56.5	2.270	3.254	5.4	21.2
7 20	20 19.69	−16 34.7	2.249	3.261	2.0	21.0
7 30	20 11.91	−17 15.2	2.256	3.267	1.9	21.0
8 9	20 4.55	−17 54.8	2.292	3.274	5.3	21.2
8 19	19 58.27	−18 31.1	2.354	3.280	8.4	21.4
8 29	19 53.65	−19 2.1	2.440	3.286	11.2	21.6

18978 2000 QH_{232} 7 24.5 123.°01 0.°3/24.6 18

6 20	20 45.76	−19 19.7	1.876	2.735	13.8	18.4
6 30	20 39.32	−19 10.5	1.811	2.746	10.3	18.2
7 10	20 30.78	−19 5.5	1.769	2.756	6.3	18.0
7 20	20 20.85	−19 2.3	1.753	2.766	2.0	17.8
7 30	20 10.57	−18 58.6	1.765	2.776	2.3	17.8
8 9	20 1.00	−18 52.7	1.804	2.786	6.5	18.1
8 19	19 53.07	−18 43.9	1.870	2.795	10.3	18.3
8 29	19 47.45	−18 31.9	1.958	2.803	13.5	18.6

294925 2008 DC_{39} 7 24.5 86.°79 5.°5/27.8 18

6 20	20 41.41	− 4 8.7	1.578	2.410	17.2	20.1
6 30	20 36.33	− 4 11.9	1.521	2.427	13.8	19.9
7 10	20 29.06	− 4 35.6	1.484	2.444	10.0	19.7
7 20	20 20.34	− 5 18.8	1.469	2.461	6.6	19.6
7 30	20 11.19	− 6 18.1	1.480	2.478	5.6	19.6
8 9	20 2.75	− 7 27.7	1.517	2.494	7.9	19.7
8 19	19 55.97	− 8 41.4	1.578	2.511	11.3	20.0
8 29	19 51.56	− 9 53.5	1.662	2.526	14.6	20.2

157830 1997 YE 7 24.5 196.°54 1.°7/25.4 18

6 20	20 42.68	−14 16.0	2.083	2.930	13.0	20.4
6 30	20 37.01	−14 17.0	2.002	2.928	9.9	20.2
7 10	20 29.41	−14 26.2	1.944	2.925	6.4	20.0
7 20	20 20.46	−14 42.0	1.912	2.922	2.8	19.7
7 30	20 11.00	−15 1.9	1.908	2.918	2.5	19.7
8 9	20 2.00	−15 23.3	1.932	2.913	6.1	19.9
8 19	19 54.30	−15 43.8	1.982	2.908	9.7	20.1
8 29	19 48.60	−16 1.5	2.055	2.903	12.9	20.3

363974 2005 UV_{152} 7 24.5 165.°25 3.°7/21.7 18

6 20	20 41.11	−31 25.2	2.852	3.710	9.6	21.9
6 30	20 35.51	−32 11.5	2.784	3.714	7.3	21.7
7 10	20 28.33	−32 55.1	2.742	3.718	5.1	21.6
7 20	20 20.08	−33 32.1	2.726	3.721	3.7	21.5
7 30	20 11.48	−33 59.3	2.740	3.724	4.5	21.5
8 9	20 3.28	−34 14.6	2.781	3.727	6.5	21.7
8 19	19 56.18	−34 17.9	2.849	3.729	8.8	21.8
8 29	19 50.75	−34 10.0	2.940	3.731	10.9	22.0

485660 2011 WC_{65} 7 24.5 246.°57 4.°2/21.3 18

6 20	20 41.41	−30 33.3	2.485	3.349	10.7	21.4
6 30	20 36.13	−31 35.6	2.401	3.335	8.2	21.2
7 10	20 28.93	−32 37.2	2.342	3.321	5.7	21.0
7 20	20 20.33	−33 32.9	2.310	3.306	4.2	20.9
7 30	20 11.13	−34 17.9	2.306	3.291	5.1	20.9
8 9	20 2.24	−34 49.0	2.329	3.275	7.6	21.1
8 19	19 54.52	−35 5.1	2.378	3.260	10.2	21.2
8 29	19 48.72	−35 7.1	2.449	3.243	12.7	21.4

380876 2006 CW_{65} 7 24.5 143.°84 5.°3/21.2 18

6 20	20 44.97	−32 8.0	2.026	2.893	12.6	20.8
6 30	20 38.99	−33 18.5	1.967	2.900	9.7	20.6
7 10	20 30.73	−34 25.8	1.932	2.908	6.9	20.5
7 20	20 20.89	−35 23.1	1.923	2.914	5.4	20.4
7 30	20 10.52	−36 4.7	1.941	2.921	6.4	20.5
8 9	20 0.80	−36 27.8	1.985	2.927	8.9	20.6
8 19	19 52.73	−36 32.4	2.053	2.933	11.7	20.8
8 29	19 47.08	−36 20.8	2.143	2.938	14.3	21.0

206062 2002 QB_{115} 7 24.5 222.°05 1.°3/25.2 18

6 20	20 40.60	−15 20.7	1.943	2.801	13.4	21.4
6 30	20 35.58	−15 23.9	1.867	2.800	10.2	21.1
7 10	20 28.58	−15 35.3	1.814	2.799	6.5	20.9
7 20	20 20.21	−15 53.0	1.786	2.797	2.6	20.7
7 30	20 11.35	−16 14.0	1.785	2.796	2.4	20.7
8 9	20 2.99	−16 35.6	1.812	2.795	6.3	20.9
8 19	19 56.00	−16 55.4	1.863	2.793	10.0	21.1
8 29	19 51.08	−17 11.4	1.938	2.792	13.3	21.3

41616 2000 SP_{149} 7 24.5 250.°66 1.°8/25.4 18

6 20	20 42.74	−14 3.1	1.557	2.421	15.9	19.4
6 30	20 37.77	−14 14.3	1.475	2.410	12.2	19.2
7 10	20 30.24	−14 37.9	1.414	2.399	7.8	18.9
7 20	20 20.82	−15 11.5	1.376	2.387	3.3	18.6
7 30	20 10.57	−15 51.1	1.365	2.376	3.0	18.6
8 9	20 0.80	−16 32.0	1.379	2.364	7.7	18.8
8 19	19 52.70	−17 10.3	1.417	2.351	12.2	19.0
8 29	19 47.22	−17 42.9	1.477	2.339	16.3	19.3

392953 2012 WT_{23} 7 24.5 294°.81 2°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.17	−23 24.9	1.824	2.700	13.3	21.2
6 30	20 35.61	−24 15.9	1.747	2.691	10.0	21.0
7 10	20 28.79	−25 11.6	1.692	2.682	6.2	20.8
7 20	20 20.33	−26 6.9	1.662	2.673	2.8	20.5
7 30	20 11.19	−26 56.0	1.659	2.664	3.9	20.6
8 9	20 2.51	−27 34.4	1.682	2.655	7.8	20.8
8 19	19 55.33	−28 0.0	1.730	2.646	11.5	21.0
8 29	19 50.49	−28 12.3	1.799	2.638	14.8	21.2

434721 2006 DU_{137} 7 24.5 184°.70 1°.7/23.6 17

6 20	20 42.39	−22 31.1	1.932	2.801	13.0	21.7
6 30	20 37.02	−23 7.0	1.860	2.801	9.7	21.5
7 10	20 29.51	−23 46.7	1.811	2.801	5.9	21.3
7 20	20 20.52	−24 25.9	1.788	2.800	2.3	21.1
7 30	20 11.00	−25 0.1	1.792	2.800	3.2	21.1
8 9	20 2.01	−25 25.8	1.824	2.799	7.0	21.4
8 19	19 54.51	−25 41.4	1.880	2.798	10.7	21.6
8 29	19 49.26	−25 46.7	1.959	2.796	13.9	21.8

519177 2010 OR_{83} 7 24.5 323°.01 0°.9/25.2 18

6 20	20 37.35	−14 52.7	2.121	2.979	12.4	21.3
6 30	20 33.07	−15 18.7	2.041	2.974	9.4	21.1
7 10	20 27.02	−15 53.9	1.985	2.970	5.9	20.9
7 20	20 19.72	−16 35.7	1.954	2.966	2.2	20.7
7 30	20 11.94	−17 20.8	1.951	2.962	2.1	20.7
8 9	20 4.55	−18 5.4	1.975	2.958	5.8	20.9
8 19	19 58.33	−18 46.3	2.025	2.954	9.4	21.1
8 29	19 53.95	−19 21.3	2.098	2.951	12.5	21.3

284524 2007 RH_{120} 7 24.5 312°.42 2°.0/23.9 18

6 20	20 45.80	−25 41.4	1.723	2.595	14.2	20.1
6 30	20 39.80	−25 28.7	1.645	2.586	10.7	19.8
7 10	20 31.31	−25 14.5	1.589	2.578	6.7	19.6
7 20	20 21.11	−24 55.3	1.557	2.569	2.7	19.3
7 30	20 10.33	−24 28.5	1.553	2.561	3.4	19.3
8 9	20 0.25	−23 53.5	1.575	2.553	7.6	19.6
8 19	19 51.98	−23 11.2	1.623	2.546	11.7	19.8
8 29	19 46.33	−22 23.7	1.692	2.539	15.3	20.0

293863 2007 RR_{245} 7 24.5 22°.40 7°.3/21.7 17

6 20	20 46.75	−36 37.7	1.607	2.480	15.0	19.8
6 30	20 40.81	−37 18.7	1.551	2.483	11.9	19.6
7 10	20 32.01	−37 50.4	1.516	2.487	8.9	19.5
7 20	20 21.32	−38 5.5	1.505	2.491	7.3	19.4
7 30	20 10.14	−37 58.7	1.519	2.495	8.1	19.5
8 9	19 59.99	−37 29.3	1.556	2.500	10.8	19.6
8 19	19 52.10	−36 39.9	1.617	2.506	13.8	19.8
8 29	19 47.25	−35 35.7	1.697	2.511	16.6	20.0

426373 2013 OT_{9} 7 24.5 338°.65 1°.4/25.3 18

6 20	20 34.64	−12 17.8	1.088	1.981	19.0	19.7
6 30	20 32.50	−13 13.2	1.017	1.968	14.6	19.4
7 10	20 27.40	−14 32.9	0.965	1.956	9.3	19.1
7 20	20 20.00	−16 12.2	0.933	1.946	3.6	18.7
7 30	20 11.56	−18 2.0	0.924	1.936	3.3	18.7
8 9	20 3.70	−19 50.9	0.937	1.928	9.2	19.0
8 19	19 57.90	−21 28.9	0.972	1.921	14.8	19.3
8 29	19 55.31	−22 49.2	1.025	1.915	19.6	19.6

168447 1999 AT_{1} 7 24.5 323°.95 0°.2/24.5 17

6 20	20 40.68	−20 23.5	1.049	1.950	18.9	19.3
6 30	20 37.32	−20 7.6	0.973	1.930	14.4	19.0
7 10	20 30.52	−19 57.5	0.916	1.911	9.0	18.6
7 20	20 21.03	−19 50.1	0.879	1.893	2.9	18.2
7 30	20 10.33	−19 41.6	0.863	1.875	3.5	18.2
8 9	20 0.33	−19 29.0	0.869	1.859	9.9	18.5
8 19	19 52.73	−19 11.1	0.895	1.844	15.8	18.7
8 29	19 48.78	−18 47.9	0.939	1.830	20.9	19.0

112490 2002 PB_{5} 7 24.5 117°.92 4°.5/26.6 18

6 20	20 42.35	− 7 49.7	2.054	2.882	13.9	19.9
6 30	20 36.63	− 7 13.3	1.985	2.891	11.0	19.7
7 10	20 29.10	− 6 48.3	1.938	2.900	7.9	19.5
7 20	20 20.37	− 6 35.3	1.916	2.909	5.2	19.4
7 30	20 11.26	− 6 33.5	1.921	2.918	4.7	19.3
8 9	20 2.70	− 6 41.2	1.954	2.926	6.9	19.5
8 19	19 55.46	− 6 55.8	2.012	2.935	9.8	19.7
8 29	19 50.17	− 7 14.6	2.094	2.943	12.7	19.9

511955 2015 KC_{2} 7 24.5 16°.41 5°.4/26.6 18

6 20	20 41.60	− 8 20.7	1.565	2.413	16.6	20.6
6 30	20 36.64	− 7 33.2	1.496	2.414	13.2	20.4
7 10	20 29.37	− 6 59.4	1.448	2.416	9.5	20.1
7 20	20 20.51	− 6 40.4	1.422	2.418	6.2	20.0
7 30	20 11.09	− 6 36.0	1.422	2.421	5.6	19.9
8 9	20 2.32	− 6 44.1	1.447	2.423	8.3	20.1
8 19	19 55.20	− 7 1.4	1.495	2.426	11.9	20.3
8 29	19 50.53	− 7 24.0	1.565	2.430	15.4	20.5

156422 2002 AW_{88} 7 24.5 64°.76 4°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.08	− 9 43.3	1.613	2.463	16.1	19.5
6 30	20 36.85	− 9 14.6	1.552	2.474	12.6	19.3
7 10	20 29.40	− 8 59.2	1.511	2.485	8.7	19.1
7 20	20 20.49	− 8 57.0	1.494	2.495	5.2	18.9
7 30	20 11.15	− 9 6.4	1.503	2.506	4.6	18.9
8 9	20 2.51	− 9 24.5	1.537	2.518	7.6	19.1
8 19	19 55.54	− 9 47.9	1.596	2.529	11.2	19.3
8 29	19 50.94	−10 13.1	1.677	2.540	14.6	19.6

4971 Hoshinohiroba 7 24.5 225°.09 0°.6/24.2 18 R

6 20	20 43.49	−18 59.2	1.881	2.743	13.6	17.4
6 30	20 37.99	−19 32.4	1.797	2.734	10.2	17.2
7 10	20 30.22	−20 13.1	1.736	2.724	6.3	17.0
7 20	20 20.81	−20 57.2	1.700	2.714	2.0	16.7
7 30	20 10.69	−21 40.2	1.692	2.703	2.7	16.7
8 9	20 0.99	−22 17.8	1.712	2.691	7.0	16.9
8 19	19 52.75	−22 47.3	1.757	2.679	11.0	17.2
8 29	19 46.81	−23 7.6	1.824	2.666	14.5	17.4

167298 2003 UA_{213} 7 24.5 228°.88 4°.4/21.9 18

6 20	20 43.01	−29 50.9	2.003	2.874	12.5	20.0
6 30	20 37.59	−30 43.8	1.932	2.870	9.5	19.8
7 10	20 29.93	−31 35.4	1.884	2.866	6.5	19.7
7 20	20 20.69	−32 19.8	1.861	2.861	4.5	19.5
7 30	20 10.86	−32 51.9	1.866	2.857	5.5	19.6
8 9	20 1.57	−33 8.6	1.897	2.852	8.4	19.7
8 19	19 53.84	−33 9.4	1.952	2.847	11.5	19.9
8 29	19 48.44	−32 56.0	2.029	2.842	14.3	20.1

193604 2001 BG_{73} 7 24.5 145°.61 5°.6/28.4 18

6 20	20 40.11	− 1 1.8	2.343	3.137	13.4	21.1
6 30	20 34.82	− 0 49.0	2.270	3.147	11.0	21.0
7 10	20 27.94	− 0 51.8	2.219	3.156	8.5	20.8
7 20	20 20.01	− 1 10.4	2.192	3.165	6.4	20.7
7 30	20 11.72	− 1 43.7	2.192	3.174	5.7	20.7
8 9	20 3.85	− 2 28.7	2.220	3.182	6.9	20.8
8 19	19 57.07	− 3 21.9	2.274	3.189	9.2	20.9
8 29	19 51.97	− 4 18.9	2.352	3.196	11.6	21.1

437851 1999 TT_{278} 7 24.5 298°.06 8°.7/28.0 18

6 20	20 39.14	+ 0 36.4	1.777	2.583	16.6	21.1
6 30	20 34.96	+ 1 28.3	1.673	2.552	14.2	20.9
7 10	20 28.53	+ 2 2.2	1.588	2.521	11.6	20.6
7 20	20 20.34	+ 2 14.8	1.525	2.490	9.4	20.4
7 30	20 11.21	+ 2 3.9	1.486	2.458	8.7	20.3
8 9	20 2.21	+ 1 30.6	1.471	2.427	10.3	20.3
8 19	19 54.42	+ 0 38.6	1.479	2.395	13.1	20.4
8 29	19 48.81	− 0 26.1	1.509	2.364	16.3	20.5

90360 2003 HJ_{43} 7 24.6 1°.18 1°.9/23.5 18

6 20	20 39.45	−23 19.8	1.976	2.849	12.6	19.6
6 30	20 34.80	−23 51.0	1.906	2.849	9.3	19.4
7 10	20 28.15	−24 25.2	1.859	2.849	5.8	19.2
7 20	20 20.12	−24 58.2	1.837	2.849	2.4	19.0
7 30	20 11.62	−25 26.2	1.842	2.849	3.3	19.0
8 9	20 3.64	−25 45.9	1.874	2.850	6.9	19.2
8 19	19 57.07	−25 56.0	1.931	2.851	10.3	19.5
8 29	19 52.61	−25 56.5	2.010	2.852	13.4	19.7

333153 2012 BM_{39} 7 24.6 192°.40 1°.1/24.1 17

6 20	20 46.13	−21 28.2	1.528	2.401	15.6	21.6
6 30	20 40.28	−21 42.5	1.458	2.400	11.7	21.3
7 10	20 31.75	−22 1.5	1.409	2.400	7.2	21.1
7 20	20 21.33	−22 20.8	1.385	2.398	2.4	20.8
7 30	20 10.24	−22 36.0	1.387	2.397	3.2	20.8
8 9	19 59.90	−22 43.8	1.414	2.395	8.0	21.1
8 19	19 51.51	−22 43.0	1.466	2.393	12.5	21.4
8 29	19 45.94	−22 34.0	1.539	2.390	16.3	21.6

250387 2003 UK_{130} 7 24.6 316°.53 1°.4/24.9 18

6 20	20 40.94	−17 29.1	1.201	2.090	17.9	19.3
6 30	20 37.17	−17 10.7	1.119	2.069	13.7	19.0
7 10	20 30.29	−17 0.8	1.057	2.048	8.8	18.7
7 20	20 20.98	−16 57.5	1.015	2.028	3.3	18.3
7 30	20 10.57	−16 57.9	0.997	2.009	3.3	18.2
8 9	20 0.69	−16 58.8	1.002	1.990	9.1	18.5
8 19	19 52.90	−16 58.0	1.028	1.973	14.6	18.8
8 29	19 48.37	−16 53.7	1.072	1.956	19.4	19.0

440665 2005 XT_{62} 7 24.6 309°.06 1°.7/23.5 18

6 20	20 39.20	−23 7.1	2.171	3.040	11.8	21.2
6 30	20 34.50	−23 39.6	2.095	3.036	8.7	21.0
7 10	20 27.94	−24 15.1	2.042	3.031	5.4	20.8
7 20	20 20.08	−24 50.0	2.015	3.027	2.2	20.6
7 30	20 11.74	−25 20.3	2.016	3.022	3.0	20.6
8 9	20 3.83	−25 43.2	2.043	3.018	6.5	20.8
8 19	19 57.19	−25 57.0	2.097	3.014	9.8	21.0
8 29	19 52.48	−26 1.5	2.173	3.010	12.7	21.2

518947 2010 GQ_{176} 7 24.6 201°.96 4°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.28	−31 5.9	2.138	3.005	12.0	21.9
6 30	20 37.76	−32 16.3	2.068	3.003	9.2	21.7
7 10	20 30.05	−33 25.1	2.022	3.000	6.5	21.5
7 20	20 20.78	−34 26.1	2.002	2.996	4.9	21.4
7 30	20 10.90	−35 13.5	2.010	2.993	5.9	21.5
8 9	20 1.49	−35 43.9	2.044	2.989	8.5	21.6
8 19	19 53.55	−35 56.7	2.103	2.985	11.4	21.8
8 29	19 47.87	−35 53.5	2.183	2.980	14.0	22.0

419793 2010 VD_{217} 7 24.6 192°.75 3°.3/23.2 17

6 20	20 46.95	−26 32.0	1.609	2.484	14.9	21.1
6 30	20 40.86	−26 59.3	1.541	2.483	11.2	20.9
7 10	20 32.09	−27 26.7	1.494	2.482	7.1	20.7
7 20	20 21.45	−27 48.6	1.472	2.481	3.6	20.5
7 30	20 10.17	−27 59.9	1.476	2.479	4.6	20.5
8 9	19 59.67	−27 57.9	1.506	2.477	8.6	20.7
8 19	19 51.15	−27 42.8	1.560	2.475	12.6	21.0
8 29	19 45.46	−27 16.5	1.635	2.473	16.1	21.2

249466 2009 HV_{103} 7 24.6 307°.60 1°.8/25.7 18

6 20	20 37.52	−12 32.6	1.961	2.817	13.4	20.6
6 30	20 33.41	−12 54.2	1.877	2.806	10.3	20.4
7 10	20 27.37	−13 27.7	1.814	2.796	6.7	20.1
7 20	20 19.94	−14 10.9	1.777	2.787	3.0	19.9
7 30	20 11.94	−15 0.4	1.767	2.777	2.6	19.8
8 9	20 4.29	−15 51.9	1.783	2.767	6.2	20.0
8 19	19 57.88	−16 41.7	1.825	2.758	10.0	20.3
8 29	19 53.44	−17 26.5	1.890	2.749	13.4	20.5

231912 2000 YP_{108} 7 24.6 167°.45 2°.3/23.0 18

6 20	20 42.49	−23 48.8	2.169	3.033	12.0	21.0
6 30	20 36.95	−24 42.5	2.099	3.037	8.9	20.8
7 10	20 29.44	−25 39.2	2.053	3.040	5.5	20.6
7 20	20 20.58	−26 34.3	2.033	3.043	2.6	20.4
7 30	20 11.22	−27 22.7	2.042	3.046	3.6	20.5
8 9	20 2.33	−28 0.9	2.079	3.047	6.8	20.7
8 19	19 54.78	−28 27.3	2.142	3.049	10.1	20.9
8 29	19 49.27	−28 41.8	2.227	3.050	12.9	21.1

345028 2005 EV_{112} 7 24.6 251°.52 1°.7/25.6 18

6 20	20 39.91	−12 59.5	2.062	2.912	13.1	21.8
6 30	20 35.13	−13 17.4	1.973	2.900	10.0	21.5
7 10	20 28.41	−13 46.1	1.906	2.887	6.5	21.3
7 20	20 20.28	−14 23.5	1.865	2.874	2.9	21.0
7 30	20 11.54	−15 6.5	1.851	2.861	2.5	21.0
8 9	20 3.13	−15 51.4	1.865	2.848	6.2	21.2
8 19	19 55.92	−16 34.6	1.904	2.834	9.9	21.4
8 29	19 50.66	−17 13.5	1.967	2.820	13.2	21.6

431938 2008 TO_{168} 7 24.6 351°.48 9°.3/19.2 16

6 20	20 45.34	−39 45.5	1.633	2.503	14.9	20.5
6 30	20 40.15	−41 16.6	1.578	2.501	12.3	20.3
7 10	20 31.90	−42 38.1	1.544	2.500	10.1	20.2
7 20	20 21.44	−43 40.2	1.534	2.499	9.3	20.1
7 30	20 10.20	−44 15.2	1.547	2.498	10.4	20.2
8 9	19 59.81	−44 20.5	1.583	2.497	12.7	20.3
8 19	19 51.69	−43 58.1	1.641	2.497	15.3	20.5
8 29	19 46.78	−43 13.0	1.716	2.497	17.8	20.7

344797 2003 YB_{149} 7 24.6 194°.26 4°.3/22.2 18

6 20	20 46.37	−33 2.1	2.468	3.323	11.0	21.2
6 30	20 39.68	−33 30.5	2.394	3.321	8.5	21.0
7 10	20 31.03	−33 54.1	2.344	3.318	6.0	20.8
7 20	20 21.07	−34 8.6	2.321	3.315	4.4	20.7
7 30	20 10.69	−34 10.5	2.326	3.311	5.1	20.8
8 9	20 0.87	−33 58.6	2.359	3.307	7.4	20.9
8 19	19 52.47	−33 33.4	2.418	3.302	10.0	21.1
8 29	19 46.15	−32 57.3	2.501	3.297	12.4	21.2

242026 2002 QG_{60} 7 24.6 258°.35 4°.0/26.9 18

6 20	20 39.08	− 7 34.4	2.004	2.838	14.0	21.1
6 30	20 34.47	− 7 28.5	1.919	2.831	11.1	20.9
7 10	20 27.98	− 7 36.3	1.856	2.823	7.9	20.7
7 20	20 20.14	− 7 57.4	1.818	2.815	4.9	20.5
7 30	20 11.75	− 8 29.9	1.806	2.807	4.3	20.4
8 9	20 3.73	− 9 10.7	1.821	2.799	6.7	20.5
8 19	19 56.92	− 9 56.0	1.861	2.791	10.0	20.7
8 29	19 52.05	−10 41.9	1.925	2.783	13.2	20.9

40509 1999 RJ_{87} 7 24.6 223°.49 3°.3/26.9 18

6 20	20 37.41	− 7 21.7	2.613	3.435	11.4	20.0
6 30	20 32.82	− 7 26.5	2.524	3.429	9.0	19.8
7 10	20 26.78	− 7 42.5	2.458	3.422	6.4	19.6
7 20	20 19.72	− 8 8.9	2.419	3.415	4.0	19.5
7 30	20 12.26	− 8 44.1	2.407	3.408	3.4	19.4
8 9	20 5.08	− 9 25.4	2.423	3.400	5.4	19.5
8 19	19 58.80	−10 9.9	2.467	3.392	8.1	19.7
8 29	19 53.99	−10 54.7	2.535	3.384	10.7	19.8

249550 2010 JY_{39} 7 24.6 110°.84 1°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.66	−21 19.2	2.088	2.952	12.4	20.8
6 30	20 36.27	−22 10.0	2.027	2.966	9.1	20.6
7 10	20 28.98	−23 5.4	1.991	2.980	5.5	20.4
7 20	20 20.43	−24 0.6	1.981	2.993	2.1	20.2
7 30	20 11.47	−24 51.2	1.999	3.006	3.0	20.3
8 9	20 3.07	−25 33.2	2.045	3.019	6.5	20.5
8 19	19 56.05	−26 4.9	2.117	3.032	9.8	20.8
8 29	19 51.06	−26 25.7	2.212	3.044	12.7	21.0

314044 2005 AP_{5} 7 24.6 182°.13 2°.8/23.2 17

6 20	20 46.65	−24 40.8	1.761	2.630	14.1	21.8
6 30	20 40.48	−25 23.9	1.691	2.631	10.5	21.6
7 10	20 31.81	−26 9.7	1.644	2.632	6.6	21.4
7 20	20 21.39	−26 52.3	1.622	2.631	3.1	21.2
7 30	20 10.33	−27 26.3	1.627	2.631	4.2	21.2
8 9	19 59.92	−27 47.9	1.659	2.629	8.1	21.5
8 19	19 51.28	−27 56.1	1.715	2.627	11.9	21.7
8 29	19 45.24	−27 52.0	1.794	2.624	15.2	21.9

11090 Popelin 7 24.6 255°.84 0°.3/24.8 18

6 20	20 40.72	−16 4.8	1.846	2.708	13.8	18.0
6 30	20 36.00	−16 43.3	1.760	2.696	10.4	17.7
7 10	20 29.08	−17 32.6	1.697	2.684	6.5	17.5
7 20	20 20.55	−18 29.1	1.659	2.672	2.2	17.2
7 30	20 11.29	−19 28.0	1.648	2.659	2.4	17.2
8 9	20 2.40	−20 24.1	1.664	2.646	6.8	17.4
8 19	19 54.89	−21 13.5	1.706	2.633	10.9	17.6
8 29	19 49.60	−21 53.8	1.770	2.620	14.5	17.8

291867 2006 PT_{5} 7 24.6 349°.54 1°.2/23.9 18

6 20	20 36.38	−17 24.1	1.089	1.990	18.4	19.4
6 30	20 33.85	−18 30.0	1.026	1.983	13.8	19.1
7 10	20 28.26	−19 53.1	0.981	1.977	8.5	18.8
7 20	20 20.37	−21 26.0	0.958	1.972	2.7	18.5
7 30	20 11.52	−22 58.6	0.958	1.968	3.9	18.5
8 9	20 3.39	−24 20.9	0.980	1.966	9.7	18.9
8 19	19 57.45	−25 26.2	1.022	1.964	15.0	19.1
8 29	19 54.79	−26 11.5	1.083	1.964	19.5	19.4

92251 2000 AF_{187} 7 24.6 226°.58 0°.5/24.9 18

6 20	20 37.64	−15 8.9	2.559	3.408	10.8	19.4
6 30	20 33.09	−15 49.6	2.474	3.403	8.2	19.2
7 10	20 27.00	−16 38.7	2.413	3.397	5.1	19.0
7 20	20 19.83	−17 33.3	2.379	3.391	1.8	18.8
7 30	20 12.21	−18 30.0	2.374	3.385	1.8	18.7
8 9	20 4.88	−19 25.3	2.398	3.379	5.1	19.0
8 19	19 58.50	−20 16.0	2.449	3.372	8.3	19.2
8 29	19 53.67	−21 0.2	2.524	3.366	11.0	19.3

340482 2006 HP_{67} 7 24.6 126°.13 1°.7/23.6 17

6 20	20 43.18	−22 50.4	2.082	2.945	12.4	21.5
6 30	20 37.40	−23 24.3	2.019	2.957	9.2	21.3
7 10	20 29.68	−24 0.9	1.980	2.969	5.6	21.1
7 20	20 20.67	−24 36.1	1.968	2.980	2.2	20.9
7 30	20 11.27	−25 6.0	1.983	2.990	3.0	21.0
8 9	20 2.47	−25 27.8	2.026	3.000	6.5	21.2
8 19	19 55.10	−25 40.2	2.095	3.010	9.9	21.4
8 29	19 49.83	−25 43.3	2.188	3.020	12.8	21.7

56464 2000 GE_{98} 7 24.6 44°.78 4°.1/26.1 17

6 20	20 42.94	−11 29.5	1.164	2.038	19.3	18.8
6 30	20 38.26	−11 6.3	1.108	2.046	15.0	18.5
7 10	20 30.66	−10 59.3	1.071	2.054	10.1	18.3
7 20	20 21.06	−11 7.6	1.055	2.062	5.4	18.0
7 30	20 10.84	−11 28.4	1.062	2.070	4.7	18.0
8 9	20 1.56	−11 57.1	1.093	2.079	8.9	18.3
8 19	19 54.50	−12 28.9	1.145	2.088	13.6	18.6
8 29	19 50.54	−12 59.5	1.217	2.098	17.8	18.9

521150 2015 FO_{406} 7 24.6 209°.49 2°.5/26.1 17

6 20	20 40.71	−10 53.6	1.949	2.793	13.9	22.1
6 30	20 35.76	−11 12.0	1.867	2.790	10.8	21.9
7 10	20 28.82	−11 43.4	1.808	2.786	7.2	21.6
7 20	20 20.45	−12 25.7	1.775	2.781	3.6	21.4
7 30	20 11.51	−13 15.5	1.768	2.777	3.0	21.4
8 9	20 2.98	−14 8.7	1.789	2.772	6.4	21.6
8 19	19 55.75	−15 1.2	1.835	2.766	10.1	21.8
8 29	19 50.56	−15 49.5	1.905	2.760	13.5	22.0

475351 2006 BP_{164} 7 24.6 80°.06 4°.8/22.9 16

6 20	20 48.93	−32 11.9	1.735	2.603	14.3	21.1
6 30	20 42.03	−32 28.4	1.679	2.614	10.9	20.9
7 10	20 32.62	−32 38.6	1.646	2.626	7.4	20.7
7 20	20 21.61	−32 37.2	1.637	2.637	5.0	20.6
7 30	20 10.27	−32 20.7	1.655	2.648	5.7	20.7
8 9	19 59.94	−31 48.5	1.699	2.660	8.8	20.9
8 19	19 51.68	−31 2.9	1.768	2.671	12.1	21.1
8 29	19 46.20	−30 7.5	1.858	2.682	15.0	21.3

258735 2002 GG_{130} 7 24.6 87°.47 2°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 38.61	−11 58.1	2.306	3.149	12.1	20.6
6 30	20 33.78	−12 0.4	2.237	3.159	9.3	20.5
7 10	20 27.38	−12 11.8	2.191	3.168	6.1	20.3
7 20	20 19.94	−12 30.9	2.172	3.178	3.1	20.1
7 30	20 12.17	−12 55.5	2.180	3.188	2.6	20.1
8 9	20 4.84	−13 23.1	2.215	3.197	5.4	20.3
8 19	19 58.64	−13 51.1	2.278	3.207	8.5	20.5
8 29	19 54.13	−14 17.4	2.364	3.216	11.3	20.7

329346 2001 QW_{292} 7 24.6 331°.03 9°.5/28.7 17 R

6 20	20 37.11	+ 1 54.6	1.677	2.485	17.4	20.3
6 30	20 33.37	+ 3 0.5	1.595	2.472	14.9	20.1
7 10	20 27.51	+ 3 46.5	1.532	2.459	12.3	19.9
7 20	20 20.07	+ 4 9.0	1.490	2.447	10.3	19.8
7 30	20 11.95	+ 4 6.0	1.471	2.436	9.6	19.7
8 9	20 4.21	+ 3 39.0	1.475	2.425	10.7	19.7
8 19	19 57.82	+ 2 52.1	1.501	2.415	13.1	19.9
8 29	19 53.62	+ 1 51.6	1.548	2.406	15.9	20.0

446258 2013 HO_{97} 7 24.6 308°.38 4°.2/27.2 18

6 20	20 37.15	− 6 15.5	2.291	3.116	12.7	21.6
6 30	20 32.80	− 6 5.5	2.209	3.112	10.2	21.4
7 10	20 26.86	− 6 8.2	2.149	3.109	7.4	21.3
7 20	20 19.80	− 6 23.2	2.114	3.106	4.9	21.1
7 30	20 12.33	− 6 49.4	2.105	3.102	4.3	21.1
8 9	20 5.20	− 7 24.1	2.124	3.099	6.2	21.2
8 19	19 59.11	− 8 4.1	2.169	3.096	9.0	21.3
8 29	19 54.67	− 8 46.1	2.238	3.093	11.7	21.5

393263 2013 VT_{14} 7 24.6 0°.29 2°.1/25.8 18

6 20	20 36.02	−13 9.0	2.427	3.276	11.4	19.8
6 30	20 31.86	−12 56.5	2.349	3.275	8.7	19.6
7 10	20 26.22	−12 51.4	2.295	3.274	5.7	19.4
7 20	20 19.58	−12 52.8	2.267	3.274	2.9	19.3
7 30	20 12.61	−12 59.2	2.266	3.274	2.5	19.2
8 9	20 6.00	−13 9.0	2.293	3.275	5.2	19.4
8 19	20 0.42	−13 20.3	2.346	3.277	8.2	19.6
8 29	19 56.39	−13 31.3	2.423	3.279	10.9	19.8

257055 2008 FF_{86} 7 24.6 34°.53 0°.9/24.1 18

6 20	20 39.25	−20 29.2	1.874	2.747	13.2	20.1
6 30	20 34.67	−20 55.4	1.813	2.755	9.8	19.9
7 10	20 28.10	−21 26.7	1.773	2.764	5.9	19.7
7 20	20 20.21	−21 59.4	1.759	2.773	1.9	19.5
7 30	20 11.90	−22 29.4	1.772	2.782	2.6	19.5
8 9	20 4.20	−22 53.7	1.812	2.792	6.6	19.8
8 19	19 57.95	−23 10.3	1.876	2.802	10.2	20.1
8 29	19 53.82	−23 18.6	1.963	2.813	13.3	20.3

430558 2002 KN_{14} 7 24.6 71°.64 0°.2/24.5 17

6 20	20 41.47	−15 42.5	1.690	2.555	14.8	20.6
6 30	20 36.41	−16 51.0	1.639	2.577	11.0	20.4
7 10	20 29.20	−18 10.5	1.610	2.598	6.7	20.2
7 20	20 20.56	−19 35.3	1.607	2.620	2.1	20.0
7 30	20 11.51	−20 58.5	1.631	2.642	2.5	20.0
8 9	20 3.15	−22 14.2	1.682	2.663	6.9	20.4
8 19	19 56.42	−23 18.1	1.758	2.684	10.8	20.6
8 29	19 52.00	−24 8.6	1.857	2.706	14.0	20.9

411676 2011 WS_{120} 7 24.6 184°.29 3°.7/26.2 17

6 20	20 44.45	−10 5.1	1.598	2.446	16.3	21.6
6 30	20 38.87	− 9 56.3	1.524	2.446	12.7	21.4
7 10	20 30.87	−10 1.8	1.471	2.446	8.7	21.2
7 20	20 21.15	−10 20.5	1.442	2.446	4.8	20.9
7 30	20 10.77	−10 49.9	1.439	2.445	4.2	20.9
8 9	20 0.98	−11 26.1	1.462	2.443	7.7	21.1
8 19	19 52.87	−12 4.9	1.509	2.441	11.8	21.3
8 29	19 47.29	−12 42.7	1.578	2.439	15.5	21.6

390517 1995 SZ_{6} 7 24.6 244°.57 5°.0/22.0 18

6 20	20 46.81	−32 44.1	2.067	2.930	12.5	21.7
6 30	20 40.53	−33 22.4	1.985	2.916	9.7	21.4
7 10	20 31.85	−33 56.6	1.927	2.903	6.9	21.3
7 20	20 21.45	−34 20.9	1.894	2.889	5.1	21.1
7 30	20 10.39	−34 30.5	1.888	2.874	6.0	21.1
8 9	19 59.88	−34 23.0	1.909	2.859	8.7	21.3
8 19	19 50.99	−33 59.1	1.955	2.844	11.8	21.4
8 29	19 44.57	−33 21.4	2.023	2.828	14.6	21.6

442127 2010 UL_{11} 7 24.6 317°.31 2°.9/23.0 15

6 20	20 39.15	−25 3.8	1.778	2.659	13.4	21.4
6 30	20 35.12	−25 42.1	1.687	2.633	10.1	21.2
7 10	20 28.71	−26 23.8	1.617	2.608	6.4	20.9
7 20	20 20.51	−27 4.0	1.573	2.583	3.2	20.7
7 30	20 11.46	−27 37.3	1.554	2.558	4.3	20.7
8 9	20 2.77	−27 59.6	1.561	2.534	8.2	20.9
8 19	19 55.55	−28 8.8	1.591	2.510	12.2	21.0
8 29	19 50.75	−28 4.9	1.643	2.487	15.7	21.2

496749 2016 NY_{30} 7 24.6 266°.75 10°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.90	−48 12.4	2.009	2.832	14.3	20.9
6 30	20 49.30	−48 55.1	1.936	2.818	12.4	20.7
7 10	20 37.39	−49 21.0	1.885	2.804	10.9	20.6
7 20	20 23.22	−49 21.6	1.857	2.789	10.2	20.5
7 30	20 8.43	−48 51.2	1.854	2.774	10.8	20.5
8 9	19 54.83	−47 49.7	1.875	2.760	12.5	20.6
8 19	19 43.87	−46 21.7	1.919	2.745	14.6	20.7
8 29	19 36.43	−44 34.6	1.983	2.729	16.8	20.9

244522 2002 TW_{221} 7 24.6 276°.28 15°.8/ 5.6 18

6 20	20 38.83	+28 10.8	2.311	2.892	18.6	20.3
6 30	20 34.46	+29 28.4	2.221	2.870	17.8	20.2
7 10	20 28.12	+30 19.0	2.143	2.849	17.0	20.0
7 20	20 20.29	+30 36.9	2.081	2.827	16.4	19.9
7 30	20 11.72	+30 17.7	2.034	2.805	15.9	19.8
8 9	20 3.34	+29 20.7	2.005	2.782	15.8	19.8
8 19	19 56.04	+27 48.5	1.994	2.760	16.2	19.8
8 29	19 50.64	+25 47.1	2.001	2.737	17.0	19.8

67072 2000 AY_{11} 7 24.6 339°.94 6°.1/26.1 18

6 20	20 39.92	− 9 58.2	1.345	2.211	17.7	17.8
6 30	20 35.93	− 8 42.4	1.267	2.197	14.2	17.5
7 10	20 29.28	− 7 37.4	1.210	2.184	10.3	17.3
7 20	20 20.69	− 6 46.0	1.174	2.172	6.9	17.0
7 30	20 11.30	− 6 10.3	1.162	2.161	6.5	17.0
8 9	20 2.48	− 5 50.1	1.173	2.151	9.6	17.1
8 19	19 55.47	− 5 43.3	1.206	2.143	13.7	17.3
8 29	19 51.22	− 5 46.4	1.258	2.136	17.5	17.6

273889 2007 HO_{27} 7 24.6 334°.77 4°.0/25.9 18

6 20	20 32.76	−12 19.0	1.104	1.999	18.7	19.0
6 30	20 31.23	−11 55.5	1.017	1.967	14.7	18.6
7 10	20 26.79	−11 47.3	0.948	1.937	10.1	18.3
7 20	20 20.01	−11 55.4	0.899	1.908	5.4	17.9
7 30	20 12.01	−12 18.2	0.871	1.880	4.7	17.8
8 9	20 4.37	−12 51.4	0.863	1.855	9.5	18.0
8 19	19 58.63	−13 29.9	0.876	1.832	15.0	18.2
8 29	19 56.08	−14 7.7	0.905	1.811	20.1	18.4

127393 2002 LL_{10} 7 24.6 33°.93 3°.1/22.2 18

6 20	20 38.76	−25 22.5	2.210	3.082	11.5	19.4
6 30	20 34.24	−26 34.0	2.143	3.084	8.6	19.2
7 10	20 27.85	−27 48.0	2.100	3.088	5.5	19.0
7 20	20 20.16	−28 59.4	2.084	3.091	3.2	18.9
7 30	20 11.97	−30 2.6	2.096	3.094	4.2	18.9
8 9	20 4.20	−30 53.8	2.136	3.098	7.1	19.1
8 19	19 57.68	−31 30.9	2.200	3.101	10.1	19.3
8 29	19 53.09	−31 53.9	2.287	3.105	12.8	19.5

55527 2001 VN_{59} 7 24.6 92°.91 2°.1/23.4 18

6 20	20 41.94	−24 30.2	2.133	3.000	12.0	19.5
6 30	20 36.46	−24 57.4	2.072	3.011	8.9	19.3
7 10	20 29.11	−25 25.8	2.034	3.022	5.5	19.1
7 20	20 20.53	−25 51.5	2.022	3.033	2.4	18.9
7 30	20 11.60	−26 11.1	2.038	3.043	3.2	19.0
8 9	20 3.26	−26 22.2	2.081	3.054	6.5	19.2
8 19	19 56.32	−26 24.2	2.151	3.065	9.7	19.4
8 29	19 51.41	−26 17.4	2.243	3.075	12.5	19.6

441744 2009 BA_{136} 7 24.6 343°.90 1°.6/25.5 18

6 20	20 37.87	−13 41.8	1.626	2.494	15.1	20.6
6 30	20 34.01	−14 3.5	1.552	2.489	11.5	20.3
7 10	20 27.91	−14 38.0	1.499	2.484	7.4	20.1
7 20	20 20.23	−15 22.6	1.469	2.480	3.0	19.8
7 30	20 11.91	−16 13.1	1.465	2.477	2.7	19.8
8 9	20 4.09	−17 4.2	1.487	2.473	7.0	20.0
8 19	19 57.79	−17 51.9	1.533	2.471	11.2	20.3
8 29	19 53.81	−18 32.7	1.601	2.469	14.9	20.5

178497 1999 TH_{117} 7 24.6 350°.25 7°.1/28.0 18

6 20	20 33.66	− 3 49.1	1.461	2.311	17.5	18.9
6 30	20 31.02	− 3 13.2	1.386	2.299	14.4	18.6
7 10	20 26.16	− 2 57.1	1.329	2.289	11.0	18.4
7 20	20 19.68	− 3 2.7	1.294	2.281	8.1	18.2
7 30	20 12.54	− 3 29.6	1.281	2.274	7.2	18.1
8 9	20 5.88	− 4 14.3	1.292	2.268	9.1	18.2
8 19	20 0.72	− 5 11.4	1.324	2.264	12.5	18.4
8 29	19 57.91	− 6 14.2	1.377	2.261	15.9	18.6

390026 2012 UH_{33} 7 24.6 205°.37 2°.7/23.0 18

6 20	20 42.29	−25 8.0	2.044	2.913	12.4	21.5
6 30	20 36.99	−25 51.5	1.971	2.911	9.3	21.3
7 10	20 29.59	−26 37.1	1.921	2.908	5.8	21.1
7 20	20 20.74	−27 19.9	1.896	2.906	2.9	20.9
7 30	20 11.34	−27 55.3	1.900	2.903	3.9	21.0
8 9	20 2.43	−28 19.9	1.931	2.899	7.2	21.2
8 19	19 54.95	−28 32.6	1.986	2.896	10.6	21.4
8 29	19 49.63	−28 33.6	2.065	2.892	13.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
34681 2001 BB_{22}			7 24.6	92°.92	2°.6/25.6	18
	h m	° ′			°	m
6 20	20 44.18	−13 44.9	1.445	2.310	16.8	19.1
6 30	20 38.80	−13 31.4	1.382	2.316	12.9	18.9
7 10	20 30.86	−13 29.4	1.338	2.322	8.4	18.6
7 20	20 21.16	−13 37.2	1.318	2.327	3.9	18.4
7 30	20 10.89	−13 52.1	1.323	2.333	3.4	18.4
8 9	20 1.40	−14 10.5	1.354	2.339	7.8	18.7
8 19	19 53.80	−14 29.5	1.408	2.344	12.1	18.9
8 29	19 48.93	−14 46.4	1.483	2.350	16.0	19.2
209728 2005 EA_{161}			7 24.6	291°.62	0°.1/24.6	18
6 20	20 40.05	−18 0.0	1.861	2.728	13.5	20.7
6 30	20 35.45	−18 21.3	1.781	2.720	10.2	20.5
7 10	20 28.72	−18 50.1	1.722	2.711	6.3	20.2
7 20	20 20.49	−19 23.4	1.689	2.702	2.0	19.9
7 30	20 11.63	−19 57.3	1.682	2.694	2.4	19.9
8 9	20 3.22	−20 28.1	1.703	2.685	6.7	20.2
8 19	19 56.21	−20 53.2	1.748	2.677	10.6	20.4
8 29	19 51.38	−21 10.9	1.815	2.669	14.1	20.6
94409 2001 TU_{10}			7 24.6	184°.02	2°.2/23.7	17
6 20	20 46.58	−22 59.8	1.478	2.354	15.9	20.2
6 30	20 40.80	−23 31.0	1.410	2.354	11.9	19.9
7 10	20 32.22	−24 6.5	1.364	2.354	7.3	19.7
7 20	20 21.64	−24 40.7	1.342	2.354	2.9	19.4
7 30	20 10.35	−25 7.9	1.346	2.353	3.9	19.5
8 9	19 59.83	−25 23.9	1.375	2.352	8.6	19.7
8 19	19 51.35	−25 27.8	1.428	2.351	13.0	20.0
8 29	19 45.83	−25 20.3	1.501	2.349	16.8	20.2
205980 2002 NC_{42}			7 24.6	290°.71	1°.0/23.9	18
6 20	20 39.23	−17 55.9	1.830	2.699	13.6	19.7
6 30	20 35.05	−19 4.8	1.741	2.682	10.2	19.4
7 10	20 28.64	−20 25.5	1.675	2.666	6.3	19.1
7 20	20 20.52	−21 52.9	1.635	2.649	2.1	18.8
7 30	20 11.59	−23 20.4	1.623	2.632	3.0	18.9
8 9	20 2.94	−24 41.3	1.637	2.616	7.4	19.1
8 19	19 55.63	−25 50.7	1.677	2.599	11.5	19.3
8 29	19 50.55	−26 45.9	1.739	2.583	15.0	19.5
39377 2002 CO_{106}			7 24.6	171°.96	1°.9/23.5	18
6 20	20 44.30	−24 1.2	2.278	3.137	11.7	20.9
6 30	20 38.20	−24 32.0	2.206	3.141	8.7	20.7
7 10	20 30.21	−25 4.5	2.157	3.144	5.4	20.5
7 20	20 20.93	−25 34.9	2.136	3.147	2.3	20.3
7 30	20 11.21	−25 59.4	2.143	3.148	3.1	20.4
8 9	20 1.99	−26 15.6	2.178	3.150	6.4	20.6
8 19	19 54.11	−26 22.5	2.240	3.150	9.6	20.8
8 29	19 48.21	−26 20.4	2.326	3.150	12.4	21.0
481094 2005 SU_{230}			7 24.6	162°.90	4°.9/27.9	18
6 20	20 37.64	− 3 32.0	2.312	3.124	13.1	21.7
6 30	20 33.15	− 3 24.0	2.233	3.125	10.6	21.5
7 10	20 27.08	− 3 30.3	2.176	3.126	8.0	21.3
7 20	20 19.93	− 3 51.1	2.143	3.127	5.6	21.2
7 30	20 12.38	− 4 24.9	2.137	3.128	4.9	21.1
8 9	20 5.18	− 5 8.9	2.158	3.128	6.5	21.2
8 19	19 59.03	− 5 59.5	2.206	3.129	9.0	21.4
8 29	19 54.51	− 6 52.8	2.277	3.129	11.6	21.6
505752 2015 BH_{99}			7 24.6	291°.92	0°.6/24.9	17
6 20	20 40.35	−15 3.4	1.416	2.292	16.5	21.3
6 30	20 36.34	−15 45.0	1.336	2.279	12.5	21.1
7 10	20 29.64	−16 41.9	1.277	2.266	7.9	20.8
7 20	20 20.88	−17 50.1	1.240	2.253	2.7	20.4
7 30	20 11.18	−19 3.0	1.228	2.240	2.8	20.4
8 9	20 1.93	−20 13.4	1.242	2.228	8.2	20.7
8 19	19 54.43	−21 15.4	1.279	2.215	13.1	20.9
8 29	19 49.72	−22 5.6	1.336	2.203	17.3	21.2
75827 2000 BX_{17}			7 24.6	291°.96	1°.1/23.9	18
6 20	20 39.41	−18 54.5	1.795	2.666	13.7	19.4
6 30	20 35.18	−19 51.9	1.710	2.652	10.3	19.1
7 10	20 28.70	−20 59.3	1.648	2.638	6.3	18.9
7 20	20 20.54	−22 11.9	1.611	2.624	2.1	18.6
7 30	20 11.60	−23 23.4	1.601	2.610	3.0	18.6
8 9	20 3.01	−24 28.1	1.617	2.596	7.4	18.9
8 19	19 55.82	−25 21.7	1.659	2.582	11.5	19.1
8 29	19 50.92	−26 2.3	1.722	2.569	15.0	19.3
47311 1999 XN_{7}			7 24.6	172°.67	0°.5/24.9	18
6 20	20 43.90	−16 23.1	1.923	2.778	13.6	19.3
6 30	20 38.16	−16 48.6	1.850	2.782	10.3	19.1
7 10	20 30.31	−17 22.6	1.799	2.784	6.4	18.9
7 20	20 20.99	−18 1.9	1.774	2.786	2.2	18.6
7 30	20 11.14	−18 42.4	1.776	2.788	2.3	18.6
8 9	20 1.81	−19 20.2	1.807	2.789	6.5	18.9
8 19	19 53.94	−19 52.6	1.863	2.789	10.3	19.1
8 29	19 48.26	−20 17.9	1.943	2.788	13.6	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
70681 1999 US_{4}			7 24.6	34°.39	0°.3/24.5	18
	h m	° ′			°	m
6 20	20 40.64	−18 12.7	1.728	2.598	14.2	19.0
6 30	20 35.95	−18 43.8	1.659	2.600	10.6	18.7
7 10	20 29.05	−19 23.1	1.612	2.602	6.5	18.5
7 20	20 20.61	−20 6.6	1.590	2.603	2.1	18.2
7 30	20 11.61	−20 49.6	1.594	2.605	2.5	18.3
8 9	20 3.17	−21 27.9	1.625	2.607	7.0	18.6
8 19	19 56.29	−21 58.5	1.680	2.609	11.0	18.8
8 29	19 51.73	−22 20.1	1.757	2.611	14.4	19.0
510676 2012 UM_{38}			7 24.6	216°.28	2°.5/26.1	18
6 20	20 41.16	−11 20.8	2.372	3.207	12.1	22.3
6 30	20 35.79	−11 15.5	2.283	3.199	9.4	22.1
7 10	20 28.73	−11 19.1	2.218	3.191	6.3	21.9
7 20	20 20.48	−11 30.8	2.178	3.183	3.4	21.7
7 30	20 11.75	−11 48.9	2.167	3.174	2.9	21.7
8 9	20 3.34	−12 11.1	2.184	3.164	5.7	21.9
8 19	19 56.02	−12 35.0	2.229	3.154	8.9	22.0
8 29	19 50.41	−12 58.5	2.297	3.144	11.8	22.2
100717 1998 BL_{23}			7 24.6	260°.87	4°.1/23.2	18
6 20	20 48.62	−28 37.2	1.512	2.388	15.6	19.6
6 30	20 42.51	−28 56.9	1.435	2.377	11.9	19.4
7 10	20 33.39	−29 14.5	1.379	2.365	7.8	19.1
7 20	20 22.06	−29 23.7	1.347	2.353	4.4	18.9
7 30	20 9.90	−29 19.2	1.340	2.342	5.4	18.9
8 9	19 58.49	−28 58.5	1.359	2.330	9.5	19.1
8 19	19 49.24	−28 23.0	1.401	2.317	13.7	19.3
8 29	19 43.12	−27 35.8	1.464	2.305	17.5	19.6
23903 1998 SK_{65}			7 24.6	1°.22	1°.8/25.5	18
6 20	20 36.09	−13 29.6	1.350	2.231	16.8	17.4
6 30	20 33.02	−13 52.2	1.284	2.229	12.8	17.1
7 10	20 27.46	−14 30.0	1.239	2.227	8.2	16.9
7 20	20 20.14	−15 19.9	1.216	2.228	3.4	16.6
7 30	20 12.16	−16 16.7	1.217	2.229	2.9	16.6
8 9	20 4.82	−17 14.1	1.242	2.231	7.7	16.9
8 19	19 59.24	−18 6.8	1.290	2.234	12.3	17.1
8 29	19 56.28	−18 50.9	1.358	2.239	16.3	17.4
353151 2009 HY_{41}			7 24.6	234°.15	6°.4/20.1	18
6 20	20 43.82	−36 23.8	2.234	3.095	11.8	21.0
6 30	20 38.28	−37 36.7	2.165	3.089	9.4	20.8
7 10	20 30.50	−38 44.4	2.120	3.083	7.3	20.7
7 20	20 21.09	−39 40.2	2.100	3.076	6.4	20.6
7 30	20 11.04	−40 18.8	2.107	3.069	7.3	20.7
8 9	20 1.48	−40 37.3	2.139	3.062	9.4	20.8
8 19	19 53.43	−40 35.9	2.196	3.055	11.8	21.0
8 29	19 47.69	−40 17.0	2.273	3.048	14.1	21.1
410682 2008 VJ_{21}			7 24.6	64°.64	1°.7/23.9	17
6 20	20 43.97	−20 14.2	1.200	2.088	17.9	21.2
6 30	20 39.21	−21 1.6	1.145	2.095	13.4	21.0
7 10	20 31.39	−21 58.4	1.110	2.103	8.2	20.7
7 20	20 21.41	−22 57.6	1.097	2.110	2.8	20.4
7 30	20 10.73	−23 51.4	1.108	2.118	3.9	20.5
8 9	20 1.01	−24 33.6	1.143	2.126	9.2	20.8
8 19	19 53.60	−25 1.3	1.200	2.133	14.1	21.1
8 29	19 49.43	−25 14.4	1.277	2.141	18.2	21.4
99268 2001 OD_{94}			7 24.6	306°.23	4°.1/23.2	18
6 20	20 46.18	−30 32.7	1.809	2.680	13.7	18.7
6 30	20 40.26	−30 38.7	1.726	2.664	10.5	18.5
7 10	20 31.79	−30 40.1	1.664	2.648	7.0	18.2
7 20	20 21.52	−30 32.0	1.628	2.632	4.3	18.0
7 30	20 10.58	−30 10.8	1.618	2.617	5.1	18.1
8 9	20 0.29	−29 35.1	1.635	2.602	8.5	18.2
8 19	19 51.80	−28 46.5	1.676	2.587	12.1	18.4
8 29	19 45.95	−27 48.1	1.739	2.572	15.5	18.6
108795 2001 OY_{67}			7 24.6	318°.16	1°.3/25.2	18
6 20	20 38.07	−15 15.6	1.295	2.179	17.1	18.8
6 30	20 34.92	−15 29.9	1.209	2.156	13.2	18.4
7 10	20 28.93	−15 58.3	1.144	2.134	8.4	18.1
7 20	20 20.73	−16 38.3	1.100	2.112	3.2	17.7
7 30	20 11.44	−17 25.1	1.079	2.091	3.1	17.7
8 9	20 2.56	−18 12.8	1.082	2.071	8.6	17.9
8 19	19 55.48	−18 56.0	1.107	2.051	13.9	18.2
8 29	19 51.37	−19 31.0	1.151	2.033	18.5	18.4
212683 2006 VL_{169}			7 24.6	340°.68	2°.1/25.5	18
6 20	20 41.85	−14 16.8	1.458	2.328	16.4	20.6
6 30	20 37.19	−14 13.6	1.388	2.325	12.6	20.4
7 10	20 29.98	−14 21.9	1.338	2.324	8.1	20.1
7 20	20 20.96	−14 39.7	1.311	2.322	3.5	19.9
7 30	20 11.28	−15 3.9	1.310	2.321	3.1	19.8
8 9	20 2.24	−15 30.4	1.333	2.319	7.7	20.1
8 19	19 55.00	−15 55.7	1.380	2.318	12.2	20.4
8 29	19 50.42	−16 17.2	1.448	2.317	16.1	20.6

396033 2013 CW_{13} 7 24.6 248°.33 1°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.26	−21 36.4	2.160	3.026	12.0	21.7
6 30	20 35.36	−22 6.7	2.082	3.021	8.9	21.5
7 10	20 28.57	−22 41.1	2.027	3.016	5.5	21.3
7 20	20 20.47	−23 16.1	1.999	3.012	2.0	21.0
7 30	20 11.86	−23 47.8	1.998	3.007	2.7	21.1
8 9	20 3.68	−24 13.2	2.025	3.002	6.3	21.3
8 19	19 56.75	−24 30.6	2.078	2.997	9.7	21.5
8 29	19 51.77	−24 39.3	2.153	2.992	12.7	21.7

440566 2005 UG_{332} 7 24.6 338°.40 1°.8/23.9 18

6 20	20 36.71	−22 34.9	1.418	2.311	15.4	20.0
6 30	20 33.68	−22 51.0	1.336	2.289	11.6	19.7
7 10	20 28.02	−23 12.0	1.274	2.268	7.2	19.4
7 20	20 20.39	−23 33.7	1.236	2.249	2.7	19.1
7 30	20 11.90	−23 51.2	1.221	2.231	3.6	19.1
8 9	20 3.92	−24 0.5	1.230	2.214	8.5	19.4
8 19	19 57.71	−23 59.6	1.261	2.198	13.2	19.6
8 29	19 54.25	−23 48.4	1.312	2.185	17.3	19.8

290354 2005 SQ_{258} 7 24.6 261°.99 2°.4/26.1 18

6 20	20 38.71	−11 14.6	2.366	3.205	11.9	21.4
6 30	20 34.05	−11 16.8	2.272	3.191	9.3	21.2
7 10	20 27.72	−11 28.6	2.201	3.176	6.2	21.0
7 20	20 20.20	−11 49.0	2.157	3.162	3.3	20.8
7 30	20 12.16	−12 16.1	2.140	3.147	2.8	20.7
8 9	20 4.40	−12 47.3	2.150	3.132	5.6	20.9
8 19	19 57.65	−13 19.8	2.188	3.116	8.8	21.1
8 29	19 52.56	−13 51.3	2.249	3.101	11.8	21.2

167520 2003 YB_{142} 7 24.6 218°.21 3°.8/22.3 18

6 20	20 43.97	−29 54.6	2.350	3.211	11.3	20.6
6 30	20 38.11	−30 36.6	2.271	3.204	8.6	20.4
7 10	20 30.27	−31 16.8	2.216	3.196	5.8	20.2
7 20	20 21.02	−31 50.6	2.187	3.188	3.9	20.1
7 30	20 11.23	−32 13.9	2.187	3.179	4.7	20.1
8 9	20 1.89	−32 24.1	2.214	3.170	7.4	20.3
8 19	19 53.87	−32 20.9	2.267	3.160	10.2	20.4
8 29	19 47.90	−32 5.6	2.343	3.150	12.8	20.6

68511 2001 UH_{161} 7 24.6 218°.39 4°.6/27.0 18

6 20	20 41.06	− 6 46.2	1.890	2.722	14.8	20.7
6 30	20 36.09	− 6 35.7	1.809	2.717	11.8	20.5
7 10	20 29.10	− 6 39.9	1.748	2.712	8.5	20.3
7 20	20 20.67	− 6 58.8	1.712	2.707	5.5	20.1
7 30	20 11.64	− 7 30.6	1.702	2.702	4.7	20.0
8 9	20 3.04	− 8 12.0	1.719	2.696	7.2	20.2
8 19	19 55.75	− 8 58.9	1.761	2.690	10.6	20.3
8 29	19 50.54	− 9 47.1	1.825	2.683	13.8	20.5

65184 2002 CD_{239} 7 24.6 25°.52 4°.4/27.5 18

6 20	20 36.91	− 5 46.5	2.013	2.844	14.0	19.3
6 30	20 32.82	− 5 47.3	1.940	2.848	11.2	19.1
7 10	20 26.99	− 6 3.3	1.890	2.852	8.1	18.9
7 20	20 19.96	− 6 34.0	1.863	2.857	5.3	18.8
7 30	20 12.52	− 7 17.0	1.863	2.862	4.5	18.7
8 9	20 5.51	− 8 8.7	1.889	2.867	6.6	18.9
8 19	19 59.69	− 9 4.9	1.941	2.873	9.6	19.1
8 29	19 55.70	−10 1.1	2.016	2.878	12.5	19.3

49100 1998 RT_{74} 7 24.6 143°.00 0°.3/24.5 18

6 20	20 44.68	−19 0.7	1.772	2.635	14.2	19.2
6 30	20 38.86	−19 18.8	1.705	2.643	10.6	18.9
7 10	20 30.79	−19 43.1	1.661	2.649	6.5	18.7
7 20	20 21.20	−20 10.1	1.642	2.656	2.1	18.4
7 30	20 11.11	−20 35.8	1.651	2.662	2.5	18.5
8 9	20 1.68	−20 56.9	1.686	2.667	6.9	18.8
8 19	19 53.89	−21 11.5	1.747	2.673	10.8	19.0
8 29	19 48.49	−21 18.9	1.830	2.677	14.2	19.3

164012 2003 UL_{197} 7 24.6 18°.81 0°.1/24.6 17

6 20	20 40.33	−17 47.8	1.739	2.609	14.2	20.2
6 30	20 35.72	−18 14.8	1.670	2.610	10.6	20.0
7 10	20 28.93	−18 50.1	1.622	2.611	6.5	19.7
7 20	20 20.62	−19 30.0	1.599	2.613	2.1	19.4
7 30	20 11.76	−20 10.1	1.603	2.614	2.5	19.5
8 9	20 3.46	−20 46.4	1.633	2.616	6.9	19.8
8 19	19 56.69	−21 15.8	1.687	2.618	10.9	20.0
8 29	19 52.20	−21 37.0	1.764	2.620	14.3	20.2

59796 1999 OJ_{3} 7 24.6 343°.88 23°.3/ 2.9 17

6 20	20 35.05	+24 52.2	1.385	2.068	25.7	17.8
6 30	20 32.60	+27 53.8	1.325	2.051	24.9	17.6
7 10	20 27.49	+30 21.4	1.277	2.036	24.2	17.5
7 20	20 20.29	+32 4.4	1.242	2.023	23.7	17.4
7 30	20 12.02	+32 54.3	1.219	2.012	23.4	17.4
8 9	20 4.06	+32 48.6	1.208	2.001	23.4	17.3
8 19	19 57.78	+31 49.7	1.209	1.993	23.8	17.3
8 29	19 54.32	+30 5.6	1.222	1.987	24.4	17.4

342542 2008 UY_{225} 7 24.6 315°.18 4°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.96	−10 30.6	1.611	2.462	16.0	19.7
6 30	20 37.84	− 9 34.2	1.531	2.453	12.7	19.4
7 10	20 30.32	− 8 47.8	1.471	2.444	9.0	19.2
7 20	20 21.10	− 8 12.7	1.436	2.435	5.6	19.0
7 30	20 11.20	− 7 49.6	1.426	2.427	5.2	18.9
8 9	20 1.82	− 7 37.5	1.441	2.419	8.2	19.1
8 19	19 54.06	− 7 34.5	1.480	2.411	12.1	19.3
8 29	19 48.75	− 7 37.8	1.541	2.403	15.7	19.5

510894 2013 CE_{178} 7 24.6 170°.75 2°.4/26.3 18

6 20	20 39.09	−10 21.9	2.717	3.546	10.9	22.6
6 30	20 34.02	−10 25.6	2.637	3.549	8.4	22.4
7 10	20 27.54	−10 38.1	2.581	3.552	5.7	22.3
7 20	20 20.13	−10 58.3	2.551	3.554	3.1	22.1
7 30	20 12.37	−11 24.4	2.550	3.556	2.7	22.1
8 9	20 4.94	−11 54.2	2.578	3.557	5.0	22.2
8 19	19 58.44	−12 25.3	2.634	3.558	7.7	22.4
8 29	19 53.40	−12 55.5	2.714	3.559	10.2	22.6

95149 2002 AL_{167} 7 24.6 131°.84 3°.4/26.9 18

6 20	20 40.08	− 7 20.7	1.895	2.730	14.6	19.6
6 30	20 35.30	− 7 49.8	1.823	2.736	11.5	19.4
7 10	20 28.58	− 8 35.3	1.772	2.742	7.9	19.2
7 20	20 20.51	− 9 35.2	1.746	2.748	4.5	19.0
7 30	20 11.93	−10 45.5	1.748	2.753	3.6	19.0
8 9	20 3.83	−12 1.0	1.776	2.758	6.5	19.1
8 19	19 57.06	−13 16.2	1.831	2.763	10.0	19.4
8 29	19 52.32	−14 26.7	1.909	2.768	13.3	19.6

3142 Kilopi 7 24.6 143°.87 3°.0/23.5 18

6 20	20 48.80	−27 52.8	1.864	2.728	13.6	16.5
6 30	20 41.86	−27 57.9	1.797	2.734	10.2	16.3
7 10	20 32.58	−28 0.4	1.754	2.739	6.5	16.1
7 20	20 21.76	−27 56.0	1.736	2.744	3.3	15.9
7 30	20 10.54	−27 41.6	1.746	2.749	4.1	16.0
8 9	20 0.12	−27 16.3	1.783	2.753	7.6	16.2
8 19	19 51.53	−26 41.2	1.845	2.757	11.2	16.4
8 29	19 45.50	−25 58.6	1.930	2.761	14.3	16.6

102756 1999 VZ_{127} 7 24.6 166°.24 1°.8/25.5 17

6 20	20 41.32	−14 1.7	1.935	2.788	13.6	20.1
6 30	20 36.21	−14 4.5	1.861	2.790	10.4	19.9
7 10	20 29.13	−14 16.6	1.809	2.791	6.7	19.7
7 20	20 20.69	−14 36.1	1.782	2.792	2.9	19.5
7 30	20 11.76	−15 0.3	1.782	2.793	2.6	19.5
8 9	20 3.32	−15 26.1	1.810	2.793	6.3	19.7
8 19	19 56.26	−15 50.9	1.863	2.794	10.0	19.9
8 29	19 51.26	−16 12.5	1.939	2.794	13.2	20.1

448698 2010 XX_{31} 7 24.6 351°.97 2°.1/23.5 16

6 20	20 36.40	−22 26.1	1.570	2.459	14.4	20.3
6 30	20 33.13	−23 6.7	1.500	2.451	10.8	20.1
7 10	20 27.51	−23 53.0	1.451	2.444	6.6	19.9
7 20	20 20.22	−24 40.0	1.426	2.439	2.7	19.6
7 30	20 12.29	−25 22.0	1.426	2.434	3.8	19.7
8 9	20 4.91	−25 54.4	1.451	2.431	8.0	19.9
8 19	19 59.16	−26 14.8	1.499	2.428	12.1	20.1
8 29	19 55.86	−26 22.5	1.567	2.427	15.6	20.4

443081 2013 GM_{45} 7 24.6 138°.39 5°.4/29.1 18

6 20	20 36.67	+ 0 14.3	2.542	3.331	12.6	21.0
6 30	20 32.33	+ 0 10.4	2.462	3.334	10.5	20.8
7 10	20 26.56	− 0 9.4	2.405	3.338	8.1	20.7
7 20	20 19.84	− 0 45.1	2.371	3.342	6.1	20.6
7 30	20 12.76	− 1 35.1	2.365	3.345	5.4	20.5
8 9	20 6.00	− 2 36.4	2.386	3.348	6.4	20.6
8 19	20 0.18	− 3 45.1	2.433	3.352	8.5	20.7
8 29	19 55.81	− 4 56.6	2.506	3.355	10.8	20.9

208393 2001 SJ_{172} 7 24.6 351°.23 0°.5/24.9 18

6 20	20 38.37	−16 56.7	1.634	2.509	14.7	20.1
6 30	20 34.41	−17 13.3	1.562	2.505	11.1	19.9
7 10	20 28.22	−17 39.1	1.512	2.501	6.9	19.6
7 20	20 20.44	−18 11.0	1.485	2.498	2.4	19.3
7 30	20 12.07	−18 45.0	1.484	2.495	2.5	19.3
8 9	20 4.24	−19 17.0	1.508	2.494	7.0	19.6
8 19	19 57.96	−19 43.9	1.556	2.492	11.2	19.8
8 29	19 54.02	−20 3.8	1.626	2.492	14.8	20.1

512189 2015 RC_{243} 7 24.6 341°.69 1°.3/25.3 18

6 20	20 38.83	−15 46.3	1.872	2.736	13.6	20.5
6 30	20 34.48	−15 42.7	1.795	2.730	10.3	20.3
7 10	20 28.14	−15 46.9	1.739	2.725	6.6	20.1
7 20	20 20.39	−15 57.3	1.708	2.720	2.6	19.8
7 30	20 12.13	−16 11.3	1.704	2.715	2.4	19.8
8 9	20 4.33	−16 26.3	1.726	2.711	6.4	20.0
8 19	19 57.90	−16 40.0	1.773	2.707	10.2	20.3
8 29	19 53.55	−16 50.7	1.842	2.704	13.6	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
440496 2005 TA_{134}			7 24.6 321°.80		3°.4/26.1 18	
	h m	° ′			°	m
6 20	20 39.17	−11 28.3	1.865	2.717	14.1	20.7
6 30	20 34.77	−11 2.6	1.780	2.704	11.1	20.5
7 10	20 28.36	−10 46.8	1.716	2.692	7.6	20.3
7 20	20 20.49	−10 40.9	1.676	2.680	4.3	20.0
7 30	20 12.02	−10 43.8	1.663	2.669	3.8	20.0
8 9	20 3.96	−10 53.4	1.676	2.658	6.9	20.2
8 19	19 57.21	−11 7.2	1.713	2.647	10.5	20.4
8 29	19 52.53	−11 22.7	1.773	2.637	13.9	20.5
354296 2002 TO_{73}			7 24.6 289°.49		5°.1/27.0 18	
6 20	20 39.96	− 6 1.9	1.995	2.822	14.3	21.1
6 30	20 35.42	− 5 37.2	1.889	2.793	11.6	20.8
7 10	20 28.83	− 5 25.9	1.805	2.764	8.6	20.6
7 20	20 20.68	− 5 28.9	1.745	2.735	5.9	20.4
7 30	20 11.74	− 5 46.1	1.710	2.706	5.3	20.3
8 9	20 2.97	− 6 15.2	1.703	2.676	7.6	20.3
8 19	19 55.32	− 6 53.0	1.720	2.647	10.9	20.5
8 29	19 49.63	− 7 35.5	1.760	2.617	14.3	20.6
508372 2016 EZ_{215}			7 24.6 23°.13		6°.3/21.7 17	
6 20	20 45.33	−30 50.0	1.379	2.265	16.2	21.1
6 30	20 40.27	−31 59.4	1.321	2.266	12.4	20.9
7 10	20 32.11	−33 6.6	1.284	2.268	8.7	20.7
7 20	20 21.75	−34 2.5	1.271	2.269	6.4	20.6
7 30	20 10.61	−34 39.0	1.281	2.271	7.6	20.7
8 9	20 0.39	−34 52.1	1.315	2.273	11.1	20.9
8 19	19 52.48	−34 42.5	1.371	2.275	14.8	21.1
8 29	19 47.82	−34 14.0	1.446	2.277	18.2	21.3
180918 2005 LJ_{11}			7 24.6 33°.76		2°.7/25.6 18	
6 20	20 42.88	−14 14.7	1.310	2.184	17.6	19.6
6 30	20 38.05	−13 51.1	1.251	2.191	13.5	19.4
7 10	20 30.53	−13 38.8	1.212	2.198	8.8	19.1
7 20	20 21.19	−13 36.8	1.196	2.205	4.1	18.9
7 30	20 11.30	−13 42.5	1.203	2.213	3.6	18.9
8 9	20 2.26	−13 52.8	1.235	2.222	8.1	19.2
8 19	19 55.26	−14 4.7	1.290	2.231	12.6	19.4
8 29	19 51.10	−14 15.5	1.365	2.240	16.6	19.7
440910 2006 VB_{72}			7 24.6 285°.34		4°.5/26.9 18	
6 20	20 39.19	− 7 14.0	2.089	2.920	13.6	21.4
6 30	20 34.58	− 6 49.7	2.001	2.909	10.9	21.2
7 10	20 28.15	− 6 37.6	1.935	2.898	7.9	21.0
7 20	20 20.41	− 6 38.1	1.894	2.887	5.2	20.8
7 30	20 12.13	− 6 50.2	1.879	2.877	4.6	20.8
8 9	20 4.19	− 7 12.0	1.891	2.866	6.8	20.9
8 19	19 57.41	− 7 40.4	1.928	2.855	9.9	21.0
8 29	19 52.47	− 8 12.2	1.988	2.844	12.9	21.2
453696 2010 WY_{42}			7 24.6 348°.57		7°.0/26.6 15	
6 20	20 38.58	− 6 42.1	1.555	2.403	16.7	20.3
6 30	20 34.62	− 5 22.5	1.478	2.392	13.6	20.0
7 10	20 28.39	− 4 15.4	1.421	2.382	10.3	19.8
7 20	20 20.52	− 3 23.9	1.386	2.373	7.6	19.6
7 30	20 12.01	− 2 50.2	1.376	2.366	7.2	19.6
8 9	20 4.01	− 2 33.9	1.390	2.360	9.3	19.7
8 19	19 57.53	− 2 32.8	1.426	2.355	12.6	19.9
8 29	19 53.42	− 2 43.1	1.483	2.351	15.9	20.1
10980 Breimer			7 24.6 239°.10		0°.6/24.4 18	
6 20	20 44.13	−18 39.2	1.576	2.446	15.4	18.5
6 30	20 38.98	−19 12.6	1.496	2.437	11.6	18.2
7 10	20 31.20	−19 55.3	1.437	2.427	7.2	17.9
7 20	20 21.48	−20 42.8	1.403	2.417	2.3	17.6
7 30	20 10.91	−21 29.5	1.396	2.406	2.9	17.6
8 9	20 0.84	−22 10.4	1.414	2.396	7.9	17.9
8 19	19 52.50	−22 41.9	1.456	2.384	12.4	18.1
8 29	19 46.84	−23 2.9	1.520	2.373	16.4	18.4
296813 2009 VL_{111}			7 24.6 255°.85		3°.3/21.9 18	
6 20	20 39.15	−29 5.8	2.732	3.595	9.8	20.6
6 30	20 34.35	−29 56.8	2.651	3.586	7.4	20.4
7 10	20 27.92	−30 47.4	2.595	3.577	5.0	20.3
7 20	20 20.34	−31 33.5	2.567	3.567	3.4	20.1
7 30	20 12.30	−32 11.3	2.566	3.557	4.2	20.2
8 9	20 4.56	−32 38.2	2.594	3.548	6.5	20.3
8 19	19 57.85	−32 53.2	2.647	3.538	9.0	20.5
8 29	19 52.77	−32 56.5	2.724	3.528	11.3	20.6
396282 2014 DE_{2}			7 24.6 141°.15		0°.7/24.2 17	
6 20	20 42.69	−20 41.8	2.236	3.094	11.9	22.2
6 30	20 37.00	−21 0.4	2.168	3.103	8.8	22.0
7 10	20 29.51	−21 22.7	2.123	3.111	5.4	21.8
7 20	20 20.83	−21 45.6	2.105	3.118	1.8	21.6
7 30	20 11.78	−22 6.1	2.116	3.126	2.3	21.7
8 9	20 3.25	−22 21.7	2.154	3.133	5.9	21.9
8 19	19 56.01	−22 31.0	2.219	3.139	9.2	22.1
8 29	19 50.69	−22 33.9	2.308	3.145	12.0	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
80133 1999 SB_{11}			7 24.7 336°.90		0°.5/24.4 18	
	h m	° ′			°	m
6 20	20 37.21	−17 19.7	1.136	2.033	18.1	18.1
6 30	20 34.53	−18 2.1	1.066	2.021	13.7	17.8
7 10	20 28.82	−18 59.7	1.015	2.009	8.5	17.4
7 20	20 20.81	−20 7.3	0.985	1.999	2.7	17.1
7 30	20 11.79	−21 16.9	0.978	1.990	3.4	17.1
8 9	20 3.40	−22 20.2	0.993	1.981	9.3	17.4
8 19	19 57.11	−23 11.3	1.030	1.974	14.6	17.7
8 29	19 54.03	−23 47.1	1.085	1.968	19.3	17.9
50503 2000 DG_{98}			7 24.7 318°.88		3°.7/22.8 18	
6 20	20 42.66	−27 43.5	1.802	2.678	13.5	19.1
6 30	20 37.61	−28 22.0	1.731	2.674	10.2	18.9
7 10	20 30.21	−29 0.3	1.683	2.670	6.6	18.7
7 20	20 21.15	−29 33.0	1.659	2.665	3.9	18.5
7 30	20 11.48	−29 55.1	1.662	2.662	4.9	18.5
8 9	20 2.43	−30 3.6	1.691	2.658	8.2	18.7
8 19	19 55.02	−29 58.1	1.744	2.654	11.8	18.9
8 29	19 50.08	−29 39.9	1.818	2.651	14.9	19.1
237967 2002 RB_{174}			7 24.7 12°.20		1°.9/25.5 17	
6 20	20 40.27	−14 33.3	1.668	2.533	14.9	19.9
6 30	20 35.73	−14 29.6	1.599	2.534	11.4	19.6
7 10	20 28.99	−14 35.8	1.551	2.535	7.3	19.4
7 20	20 20.74	−14 50.0	1.527	2.537	3.2	19.2
7 30	20 11.97	−15 9.5	1.529	2.540	2.8	19.1
8 9	20 3.78	−15 30.9	1.557	2.543	6.9	19.4
8 19	19 57.16	−15 51.4	1.609	2.546	10.9	19.6
8 29	19 52.84	−16 8.9	1.684	2.549	14.4	19.9
473082 2015 HF_{138}			7 24.7 335°.59		0°.8/24.2 17	
6 20	20 40.24	−19 9.8	1.630	2.506	14.7	20.8
6 30	20 35.91	−19 46.3	1.558	2.502	11.0	20.5
7 10	20 29.22	−20 31.2	1.508	2.498	6.7	20.3
7 20	20 20.85	−21 20.0	1.481	2.495	2.2	20.0
7 30	20 11.82	−22 7.4	1.481	2.492	2.9	20.0
8 9	20 3.33	−22 48.5	1.507	2.489	7.4	20.3
8 19	19 56.46	−23 20.2	1.557	2.487	11.6	20.6
8 29	19 52.04	−23 41.3	1.628	2.485	15.3	20.8
186377 2002 GD_{164}			7 24.7 209°.66		4°.5/27.8 18	
6 20	20 37.54	− 4 8.6	2.488	3.298	12.3	20.8
6 30	20 33.06	− 4 1.5	2.404	3.296	9.9	20.6
7 10	20 27.09	− 4 7.5	2.343	3.294	7.4	20.5
7 20	20 20.09	− 4 26.5	2.306	3.291	5.2	20.3
7 30	20 12.70	− 4 57.2	2.297	3.289	4.5	20.3
8 9	20 5.62	− 5 37.2	2.315	3.286	6.1	20.4
8 19	19 59.49	− 6 23.3	2.360	3.283	8.6	20.5
8 29	19 54.88	− 7 11.9	2.429	3.280	11.1	20.7
155155 2005 UD_{79}			7 24.7 281°.68		4°.8/21.2 18	
6 20	20 40.90	−31 2.1	2.216	3.085	11.5	19.8
6 30	20 36.05	−32 11.2	2.144	3.079	8.9	19.6
7 10	20 29.17	−33 19.1	2.095	3.074	6.3	19.4
7 20	20 20.81	−34 19.8	2.074	3.068	4.8	19.3
7 30	20 11.86	−35 8.1	2.079	3.062	5.7	19.4
8 9	20 3.33	−35 40.4	2.111	3.057	8.2	19.5
8 19	19 56.14	−35 55.9	2.167	3.051	11.0	19.7
8 29	19 51.03	−35 55.8	2.245	3.045	13.5	19.9
483290 2015 TV_{341}			7 24.7 305°.69		6°.5/19.4 18	
6 20	20 41.31	−34 54.1	2.116	2.985	12.0	19.9
6 30	20 36.65	−36 29.3	2.045	2.975	9.6	19.8
7 10	20 29.69	−38 1.5	1.999	2.965	7.4	19.6
7 20	20 21.02	−39 23.2	1.978	2.956	6.5	19.5
7 30	20 11.59	−40 27.8	1.984	2.947	7.6	19.6
8 9	20 2.54	−41 11.1	2.015	2.938	9.9	19.7
8 19	19 54.95	−41 32.3	2.070	2.929	12.5	19.9
8 29	19 49.69	−41 33.3	2.145	2.920	14.8	20.0
291029 2005 YX_{30}			7 24.7 221°.92		0°.3/24.5 17	
6 20	20 45.18	−18 25.8	1.448	2.321	16.3	21.2
6 30	20 39.91	−18 51.7	1.374	2.316	12.3	21.0
7 10	20 31.85	−19 27.0	1.322	2.311	7.6	20.7
7 20	20 21.75	−20 7.3	1.292	2.306	2.4	20.3
7 30	20 10.82	−20 47.0	1.289	2.300	3.0	20.4
8 9	20 0.51	−21 21.2	1.311	2.294	8.2	20.7
8 19	19 52.12	−21 46.7	1.356	2.288	12.9	20.9
8 29	19 46.63	−22 2.3	1.422	2.281	17.0	21.2
515787 2015 KU_{165}			7 24.7 301°.02		4°.0/27.6 18	
6 20	20 36.77	− 5 4.7	2.118	2.944	13.6	21.1
6 30	20 32.83	− 5 31.1	2.028	2.933	10.9	20.9
7 10	20 27.14	− 6 14.5	1.959	2.921	7.9	20.6
7 20	20 20.16	− 7 14.0	1.915	2.910	5.0	20.5
7 30	20 12.63	− 8 26.5	1.898	2.899	4.1	20.4
8 9	20 5.37	− 9 47.4	1.908	2.889	6.3	20.5
8 19	19 59.19	−11 11.4	1.945	2.878	9.5	20.7
8 29	19 54.76	−12 33.4	2.006	2.867	12.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
226380 2003 KE_{33}			7 24.7 141°.58		3°.3/22.7 18	
	h m	° ′			°	m
6 20	20 43.59	−25 24.4	1.796	2.669	13.6	21.0
6 30	20 38.26	−26 23.6	1.732	2.674	10.2	20.8
7 10	20 30.60	−27 25.2	1.690	2.678	6.5	20.6
7 20	20 21.30	−28 23.3	1.674	2.682	3.5	20.4
7 30	20 11.41	−29 11.7	1.685	2.685	4.6	20.5
8 9	20 2.13	−29 46.3	1.722	2.689	8.1	20.7
8 19	19 54.50	−30 5.8	1.783	2.692	11.7	20.9
8 29	19 49.32	−30 10.9	1.866	2.695	14.8	21.1
481521 2007 FV_{48}			7 24.7 210°.01		4°.8/28.2 18	
6 20	20 37.08	− 2 47.9	2.520	3.325	12.3	21.3
6 30	20 32.70	− 2 40.2	2.437	3.323	10.1	21.1
7 10	20 26.88	− 2 46.2	2.376	3.321	7.6	20.9
7 20	20 20.05	− 3 6.0	2.340	3.320	5.5	20.8
7 30	20 12.84	− 3 38.5	2.330	3.318	4.9	20.8
8 9	20 5.93	− 4 21.0	2.348	3.316	6.2	20.8
8 19	19 59.96	− 5 10.4	2.393	3.314	8.5	21.0
8 29	19 55.47	− 6 3.0	2.461	3.312	11.0	21.1
34427 2000 SN_{23}			7 24.7 231°.53		1°.8/23.3 18	
6 20	20 39.43	−22 10.0	2.362	3.226	11.1	18.3
6 30	20 34.72	−23 4.6	2.283	3.221	8.3	18.1
7 10	20 28.24	−24 3.8	2.228	3.217	5.1	17.9
7 20	20 20.52	−25 3.3	2.200	3.212	2.1	17.7
7 30	20 12.29	−25 58.8	2.201	3.206	3.0	17.7
8 9	20 4.39	−26 46.4	2.229	3.201	6.2	17.9
8 19	19 57.60	−27 23.8	2.284	3.196	9.3	18.1
8 29	19 52.59	−27 50.3	2.362	3.190	12.1	18.3
128002 2003 HU_{52}			7 24.7 124°.68		3°.1/23.0 17	
6 20	20 44.17	−25 20.7	1.786	2.658	13.7	20.5
6 30	20 38.65	−26 9.4	1.723	2.665	10.3	20.3
7 10	20 30.80	−27 0.1	1.684	2.672	6.5	20.1
7 20	20 21.36	−27 46.9	1.669	2.678	3.4	19.9
7 30	20 11.38	−28 24.6	1.682	2.684	4.4	20.0
8 9	20 2.07	−28 49.4	1.721	2.690	7.9	20.2
8 19	19 54.45	−29 0.4	1.784	2.696	11.5	20.4
8 29	19 49.29	−28 58.5	1.870	2.702	14.6	20.6
429658 2011 GP_{45}			7 24.7 15°.91		9°.3/21.6 16	
6 20	20 45.75	−38 13.9	1.240	2.127	17.5	20.2
6 30	20 40.90	−39 6.7	1.194	2.132	14.1	20.0
7 10	20 32.59	−39 46.8	1.168	2.138	11.0	19.9
7 20	20 21.96	−40 4.8	1.163	2.146	9.4	19.8
7 30	20 10.78	−39 54.2	1.180	2.154	10.2	19.9
8 9	20 0.96	−39 14.5	1.219	2.164	13.0	20.1
8 19	19 53.91	−38 10.5	1.278	2.174	16.2	20.3
8 29	19 50.46	−36 49.0	1.355	2.186	19.2	20.5
2612 Kathryn			7 24.7 164°.24		1°.5/25.9 18	R
6 20	20 39.49	−11 2.3	2.512	3.346	11.5	16.4
6 30	20 34.52	−11 48.9	2.432	3.350	8.8	16.3
7 10	20 28.02	−12 46.4	2.377	3.354	5.7	16.1
7 20	20 20.43	−13 52.4	2.349	3.357	2.6	15.9
7 30	20 12.43	−15 3.1	2.351	3.361	2.1	15.8
8 9	20 4.75	−16 14.2	2.381	3.363	5.1	16.0
8 19	19 58.06	−17 22.2	2.440	3.366	8.2	16.2
8 29	19 52.95	−18 24.0	2.524	3.367	10.9	16.4
295795 2008 UA_{272}			7 24.7 134°.84		1°.7/23.8 17	
6 20	20 42.95	−22 44.9	1.834	2.705	13.5	20.7
6 30	20 37.66	−23 10.9	1.765	2.706	10.1	20.4
7 10	20 30.17	−23 40.2	1.718	2.708	6.2	20.2
7 20	20 21.16	−24 8.7	1.697	2.709	2.4	20.0
7 30	20 11.62	−24 32.2	1.702	2.711	3.2	20.0
8 9	20 2.68	−24 47.5	1.735	2.712	7.1	20.3
8 19	19 55.31	−24 53.4	1.792	2.713	10.9	20.5
8 29	19 50.27	−24 50.0	1.871	2.714	14.2	20.7
59912 1999 RU_{156}			7 24.7 10°.06		2°.9/26.3 18	
6 20	20 37.42	−11 1.4	1.760	2.617	14.6	18.7
6 30	20 33.50	−11 4.0	1.691	2.619	11.3	18.5
7 10	20 27.60	−11 19.4	1.642	2.621	7.6	18.3
7 20	20 20.33	−11 46.2	1.618	2.624	4.0	18.1
7 30	20 12.57	−12 21.7	1.620	2.628	3.3	18.1
8 9	20 5.33	−13 1.7	1.647	2.632	6.6	18.3
8 19	19 59.47	−13 42.6	1.699	2.637	10.3	18.5
8 29	19 55.70	−14 20.9	1.774	2.642	13.7	18.7
70416 1999 ST_{11}			7 24.7 325°.83		6°.2/21.7 18	
6 20	20 41.32	−28 44.8	1.220	2.119	17.0	17.8
6 30	20 37.78	−30 0.2	1.153	2.106	13.0	17.5
7 10	20 30.94	−31 18.1	1.105	2.093	8.9	17.2
7 20	20 21.57	−32 28.8	1.079	2.082	6.3	17.0
7 30	20 11.10	−33 21.9	1.076	2.071	7.8	17.1
8 9	20 1.35	−33 51.2	1.095	2.060	11.8	17.3
8 19	19 53.92	−33 55.3	1.135	2.051	16.2	17.5
8 29	19 49.98	−33 37.0	1.192	2.042	20.1	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
187810 1999 TC_{18}			7 24.7 319°.16		6°.9/28.8 17	
	h m	° ′			°	m
6 20	20 35.93	− 0 26.6	1.928	2.740	15.3	20.2
6 30	20 32.40	− 0 8.9	1.835	2.721	12.8	19.9
7 10	20 26.99	− 0 10.2	1.762	2.704	10.1	19.7
7 20	20 20.18	− 0 31.9	1.712	2.686	7.7	19.6
7 30	20 12.73	− 1 13.7	1.687	2.670	6.9	19.5
8 9	20 5.55	− 2 12.3	1.686	2.653	8.3	19.5
8 19	19 59.51	− 3 23.0	1.710	2.637	11.0	19.7
8 29	19 55.37	− 4 39.9	1.757	2.622	14.0	19.8
163866 2003 SE_{111}			7 24.7 233°.07		0°.1/24.6 18	
6 20	20 41.53	−17 50.5	2.502	3.352	11.1	21.1
6 30	20 36.21	−18 19.9	2.407	3.337	8.3	20.9
7 10	20 29.16	−18 55.7	2.336	3.322	5.1	20.7
7 20	20 20.85	−19 35.0	2.293	3.306	1.7	20.4
7 30	20 11.99	−20 14.7	2.278	3.289	1.9	20.4
8 9	20 3.38	−20 51.6	2.292	3.272	5.5	20.6
8 19	19 55.79	−21 23.3	2.334	3.254	8.8	20.8
8 29	19 49.87	−21 48.4	2.400	3.235	11.7	21.0
279746 1998 MK_{6}			7 24.7 13°.04		8°.4/30.5 18	
6 20	20 36.13	+ 4 8.6	1.887	2.676	16.4	20.5
6 30	20 32.42	+ 4 34.0	1.816	2.679	14.0	20.3
7 10	20 26.90	+ 4 37.0	1.763	2.682	11.5	20.2
7 20	20 20.12	+ 4 15.9	1.732	2.685	9.4	20.1
7 30	20 12.87	+ 3 31.4	1.725	2.689	8.4	20.0
8 9	20 6.05	+ 2 26.9	1.741	2.694	9.2	20.1
8 19	20 0.47	+ 1 8.0	1.782	2.699	11.3	20.2
8 29	19 56.78	− 0 18.6	1.846	2.704	13.7	20.4
383262 2006 DS_{45}			7 24.7 191°.92		2°.2/23.3 18	
6 20	20 44.21	−24 32.2	2.268	3.128	11.7	21.6
6 30	20 38.32	−25 9.7	2.191	3.126	8.7	21.4
7 10	20 30.47	−25 49.1	2.138	3.124	5.5	21.2
7 20	20 21.28	−26 26.1	2.112	3.121	2.5	21.0
7 30	20 11.56	−26 56.9	2.114	3.118	3.4	21.0
8 9	20 2.29	−27 18.4	2.144	3.114	6.6	21.2
8 19	19 54.33	−27 29.5	2.201	3.109	9.8	21.4
8 29	19 48.37	−27 30.5	2.281	3.104	12.6	21.6
161732 2006 SV_{42}			7 24.7 276°.76		1°.0/24.2 18	
6 20	20 42.64	−18 50.5	1.613	2.484	15.0	20.5
6 30	20 38.06	−19 36.0	1.520	2.462	11.3	20.3
7 10	20 30.83	−20 32.5	1.449	2.439	7.0	20.0
7 20	20 21.54	−21 35.1	1.402	2.416	2.3	19.6
7 30	20 11.19	−22 37.7	1.382	2.392	3.1	19.6
8 9	20 1.11	−23 33.9	1.387	2.368	8.1	19.9
8 19	19 52.60	−24 19.4	1.417	2.344	12.8	20.1
8 29	19 46.72	−24 52.1	1.467	2.319	16.9	20.3
349276 2007 TB_{311}			7 24.7 297°.54		2°.3/23.4 18	
6 20	20 40.95	−23 18.6	1.817	2.692	13.4	21.0
6 30	20 36.36	−24 2.6	1.739	2.683	10.0	20.8
7 10	20 29.51	−24 51.0	1.684	2.674	6.3	20.6
7 20	20 21.02	−25 39.0	1.654	2.666	2.8	20.3
7 30	20 11.86	−26 21.1	1.651	2.657	3.7	20.4
8 9	20 3.16	−26 53.2	1.674	2.649	7.6	20.6
8 19	19 55.96	−27 13.2	1.721	2.640	11.4	20.8
8 29	19 51.10	−27 20.9	1.790	2.632	14.8	21.0
210265 2007 SM_{5}			7 24.7 316°.78		2°.7/23.2 18	
6 20	20 39.52	−23 4.3	1.599	2.483	14.5	19.6
6 30	20 35.66	−23 55.9	1.518	2.466	10.9	19.3
7 10	20 29.29	−24 54.0	1.458	2.449	6.8	19.1
7 20	20 21.01	−25 52.9	1.422	2.433	3.1	18.8
7 30	20 11.87	−26 46.0	1.412	2.418	4.3	18.8
8 9	20 3.16	−27 27.8	1.427	2.403	8.5	19.1
8 19	19 56.09	−27 55.3	1.465	2.388	12.7	19.3
8 29	19 51.60	−28 8.0	1.524	2.374	16.5	19.5
354207 2002 EV_{134}			7 24.7 108°.90		4°.3/27.9 17	
6 20	20 38.10	− 4 14.6	2.460	3.271	12.4	21.1
6 30	20 33.43	− 4 15.1	2.390	3.282	10.0	20.9
7 10	20 27.32	− 4 29.0	2.341	3.293	7.3	20.8
7 20	20 20.24	− 4 55.7	2.318	3.304	5.0	20.6
7 30	20 12.84	− 5 33.6	2.322	3.315	4.3	20.6
8 9	20 5.82	− 6 19.7	2.354	3.326	5.9	20.7
8 19	19 59.81	− 7 10.5	2.412	3.336	8.3	20.9
8 29	19 55.34	− 8 2.6	2.495	3.346	10.8	21.1
420484 2012 EW_{7}			7 24.7 90°.85		3°.2/23.2 17	
6 20	20 46.51	−24 53.2	1.473	2.352	15.8	21.6
6 30	20 40.69	−25 41.7	1.422	2.367	11.8	21.4
7 10	20 32.18	−26 32.4	1.392	2.382	7.4	21.1
7 20	20 21.86	−27 18.6	1.387	2.397	3.6	21.0
7 30	20 11.05	−27 54.0	1.407	2.411	4.7	21.1
8 9	20 1.18	−28 15.0	1.453	2.425	8.7	21.3
8 19	19 53.40	−28 20.8	1.522	2.439	12.7	21.6
8 29	19 48.52	−28 13.3	1.611	2.453	16.1	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
127687 2003 EC_{15}			7 24.7 34°.56	0°.9/24.9 17		
	h m	° ′			°	m
6 20	20 42.82	−17 57.5	1.188	2.076	18.1	19.0
6 30	20 38.11	−17 47.5	1.145	2.094	13.6	18.8
7 10	20 30.61	−17 46.4	1.121	2.112	8.4	18.6
7 20	20 21.35	−17 51.1	1.119	2.132	2.9	18.3
7 30	20 11.72	−17 57.9	1.141	2.153	2.9	18.4
8 9	20 3.20	−18 3.6	1.186	2.174	8.1	18.7
8 19	19 56.92	−18 6.2	1.253	2.196	12.8	19.1
8 29	19 53.60	−18 4.4	1.341	2.219	16.6	19.4
442051 2010 RY_{49}			7 24.7 203°.66	5°.3/20.7 18		
6 20	20 44.66	−38 23.1	2.953	3.797	9.7	21.3
6 30	20 38.43	−39 6.4	2.881	3.793	7.8	21.1
7 10	20 30.45	−39 43.3	2.833	3.788	6.1	21.0
7 20	20 21.29	−40 9.4	2.812	3.782	5.3	21.0
7 30	20 11.70	−40 21.5	2.819	3.777	5.9	21.0
8 9	20 2.56	−40 18.1	2.853	3.770	7.5	21.1
8 19	19 54.63	−39 59.9	2.912	3.764	9.5	21.2
8 29	19 48.53	−39 28.7	2.994	3.757	11.3	21.4
437037 2012 TS_{310}			7 24.7 319°.37	9°.6/19.8 18		
6 20	20 45.64	−39 42.3	1.517	2.391	15.6	20.1
6 30	20 40.87	−40 56.1	1.448	2.375	12.9	19.8
7 10	20 32.78	−42 0.4	1.399	2.359	10.6	19.7
7 20	20 22.20	−42 45.3	1.372	2.343	9.6	19.6
7 30	20 10.62	−43 2.4	1.369	2.328	10.7	19.6
8 9	19 59.83	−42 48.6	1.387	2.313	13.2	19.7
8 19	19 51.41	−42 6.0	1.427	2.299	16.3	19.9
8 29	19 46.44	−41 0.2	1.484	2.286	19.2	20.0
438745 2008 TA_{170}			7 24.7 157°.86	4°.9/27.7 17		
6 20	20 41.10	− 4 22.4	2.221	3.032	13.5	22.1
6 30	20 35.85	− 4 6.6	2.145	3.038	10.9	22.0
7 10	20 28.90	− 4 4.8	2.091	3.043	8.1	21.8
7 20	20 20.79	− 4 17.1	2.062	3.048	5.7	21.6
7 30	20 12.27	− 4 42.3	2.060	3.052	5.0	21.6
8 9	20 4.17	− 5 17.7	2.086	3.056	6.7	21.7
8 19	19 57.22	− 5 59.8	2.137	3.059	9.4	21.9
8 29	19 52.03	− 6 44.9	2.213	3.062	12.1	22.1
522940 2016 PT_{112}			7 24.7 176°.06	0°.4/24.4 18		
6 20	20 40.43	−18 55.3	2.026	2.890	12.7	21.4
6 30	20 35.63	−19 24.4	1.953	2.890	9.5	21.2
7 10	20 28.89	−20 0.0	1.902	2.891	5.8	21.0
7 20	20 20.82	−20 38.5	1.877	2.891	1.9	20.7
7 30	20 12.24	−21 16.1	1.880	2.891	2.3	20.7
8 9	20 4.13	−21 49.2	1.910	2.891	6.2	21.0
8 19	19 57.33	−22 15.5	1.965	2.891	9.9	21.2
8 29	19 52.54	−22 33.9	2.044	2.891	13.0	21.4
311578 2006 GO_{40}			7 24.7 72°.93	0°.1/24.7 17		
6 20	20 43.51	−16 27.7	1.294	2.173	17.5	20.4
6 30	20 38.69	−17 9.9	1.240	2.184	13.1	20.1
7 10	20 31.09	−18 4.8	1.206	2.196	8.1	19.9
7 20	20 21.57	−19 6.8	1.194	2.208	2.6	19.6
7 30	20 11.44	−20 8.9	1.208	2.220	2.9	19.6
8 9	20 2.19	−21 4.5	1.246	2.232	8.2	20.0
8 19	19 55.03	−21 49.5	1.307	2.243	12.9	20.3
8 29	19 50.81	−22 22.0	1.389	2.255	16.9	20.6
262480 2006 UV_{192}			7 24.7 300°.62	0°.4/24.6 18		
6 20	20 43.24	−19 50.4	1.411	2.291	16.3	20.1
6 30	20 38.63	−19 56.4	1.332	2.278	12.3	19.8
7 10	20 31.20	−20 9.3	1.274	2.265	7.6	19.5
7 20	20 21.67	−20 25.3	1.238	2.252	2.5	19.2
7 30	20 11.25	−20 40.2	1.228	2.240	3.0	19.2
8 9	20 1.41	−20 50.3	1.242	2.227	8.3	19.5
8 19	19 53.48	−20 53.4	1.279	2.215	13.1	19.7
8 29	19 48.45	−20 49.2	1.337	2.203	17.4	20.0
463393 2013 GN_{28}			7 24.7 81°.65	4°.6/22.9 17		
6 20	20 47.47	−27 24.3	1.268	2.155	17.2	21.1
6 30	20 41.99	−28 9.7	1.211	2.159	13.0	20.9
7 10	20 33.28	−28 55.4	1.175	2.163	8.5	20.6
7 20	20 22.31	−29 33.4	1.161	2.168	4.9	20.4
7 30	20 10.62	−29 56.4	1.171	2.172	6.0	20.5
8 9	19 59.96	−30 0.7	1.205	2.177	10.3	20.8
8 19	19 51.76	−29 47.0	1.261	2.181	14.6	21.0
8 29	19 46.95	−29 18.4	1.336	2.185	18.4	21.3
38722 2000 QU_{128}			7 24.7 316°.22	5°.3/26.9 18		
6 20	20 37.71	− 7 46.1	1.412	2.272	17.4	18.3
6 30	20 34.50	− 7 28.2	1.321	2.247	14.0	18.1
7 10	20 28.71	− 7 28.1	1.248	2.222	10.1	17.8
7 20	20 20.91	− 7 46.8	1.198	2.197	6.4	17.5
7 30	20 12.08	− 8 23.2	1.170	2.173	5.5	17.4
8 9	20 3.54	− 9 13.2	1.166	2.150	8.8	17.5
8 19	19 56.56	−10 11.2	1.184	2.128	13.3	17.7
8 29	19 52.22	−11 11.0	1.223	2.106	17.5	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
507692 2013 TC_{12}			7 24.7 319°.27	5°.0/26.9 17		
	h m	° ′			°	m
6 20	20 38.81	− 7 48.5	1.360	2.220	17.9	21.3
6 30	20 35.26	− 7 40.4	1.282	2.208	14.3	21.1
7 10	20 29.11	− 7 51.5	1.223	2.197	10.2	20.8
7 20	20 21.00	− 8 22.1	1.185	2.186	6.2	20.5
7 30	20 12.03	− 9 9.5	1.171	2.175	5.2	20.5
8 9	20 3.53	−10 8.6	1.180	2.165	8.6	20.6
8 19	19 56.74	−11 12.8	1.212	2.156	13.0	20.8
8 29	19 52.65	−12 16.1	1.265	2.147	17.2	21.1
158974 2004 RF_{290}			7 24.7 276°.16	4°.4/22.4 18		
6 20	20 43.91	−28 20.1	1.701	2.579	14.1	20.3
6 30	20 38.81	−29 12.4	1.630	2.573	10.7	20.1
7 10	20 31.14	−30 4.9	1.581	2.567	7.1	19.9
7 20	20 21.62	−30 51.1	1.557	2.561	4.5	19.7
7 30	20 11.39	−31 24.9	1.559	2.555	5.6	19.8
8 9	20 1.75	−31 42.3	1.586	2.549	9.0	19.9
8 19	19 53.90	−31 42.8	1.636	2.543	12.6	20.1
8 29	19 48.70	−31 28.1	1.708	2.537	15.9	20.3
57819 2001 WW_{28}			7 24.7 262°.42	3°.5/26.9 18		
6 20	20 38.64	− 8 3.2	2.202	3.034	13.0	19.7
6 30	20 34.17	− 8 3.0	2.114	3.025	10.3	19.5
7 10	20 27.97	− 8 15.2	2.049	3.016	7.2	19.3
7 20	20 20.54	− 8 39.3	2.009	3.007	4.4	19.1
7 30	20 12.60	− 9 13.4	1.996	2.998	3.7	19.0
8 9	20 4.98	− 9 54.5	2.010	2.989	6.1	19.2
8 19	19 58.43	−10 39.1	2.050	2.980	9.3	19.3
8 29	19 53.63	−11 23.8	2.114	2.971	12.2	19.5
316504 2010 VU_{117}			7 24.7 303°.55	4°.2/22.1 18		
6 20	20 41.54	−31 4.1	2.289	3.156	11.3	20.5
6 30	20 36.43	−31 46.3	2.217	3.152	8.7	20.3
7 10	20 29.38	−32 25.9	2.169	3.148	6.0	20.1
7 20	20 21.00	−32 58.3	2.147	3.144	4.3	20.0
7 30	20 12.13	−33 19.4	2.152	3.140	5.1	20.1
8 9	20 3.74	−33 26.9	2.183	3.137	7.6	20.2
8 19	19 56.69	−33 20.6	2.240	3.133	10.3	20.4
8 29	19 51.66	−33 1.9	2.319	3.130	12.8	20.6
503272 2015 PE_{231}			7 24.7 295°.20	3°.6/22.2 18		
6 20	20 40.33	−27 21.6	2.153	3.024	11.8	20.6
6 30	20 35.66	−28 21.8	2.079	3.019	8.9	20.4
7 10	20 28.99	−29 23.3	2.029	3.014	5.8	20.2
7 20	20 20.89	−30 20.6	2.006	3.009	3.7	20.1
7 30	20 12.23	−31 8.6	2.009	3.005	4.6	20.1
8 9	20 3.98	−31 43.8	2.040	3.000	7.5	20.3
8 19	19 57.04	−32 4.6	2.095	2.995	10.6	20.5
8 29	19 52.15	−32 11.5	2.173	2.991	13.3	20.6
425668 2010 XY_{65}			7 24.7 233°.39	0°.5/24.9 17		
6 20	20 44.52	−17 24.4	1.790	2.650	14.3	22.3
6 30	20 39.03	−17 35.3	1.705	2.640	10.8	22.0
7 10	20 31.20	−17 54.0	1.643	2.630	6.8	21.8
7 20	20 21.65	−18 17.5	1.606	2.619	2.3	21.5
7 30	20 11.39	−18 42.3	1.596	2.608	2.4	21.5
8 9	20 1.57	−19 4.9	1.613	2.596	7.0	21.7
8 19	19 53.27	−19 22.8	1.655	2.584	11.2	21.9
8 29	19 47.35	−19 34.7	1.719	2.571	14.8	22.2
344979 2004 XC_{122}			7 24.7 326°.40	4°.5/22.6 18		
6 20	20 39.59	−26 44.5	1.340	2.235	16.0	19.6
6 30	20 36.27	−27 36.0	1.262	2.215	12.2	19.4
7 10	20 29.96	−28 31.0	1.203	2.194	8.0	19.1
7 20	20 21.35	−29 22.3	1.167	2.175	4.7	18.8
7 30	20 11.68	−30 2.0	1.155	2.157	6.1	18.9
8 9	20 2.55	−30 24.3	1.166	2.139	10.3	19.0
8 19	19 55.42	−30 27.3	1.198	2.123	14.9	19.3
8 29	19 51.41	−30 12.2	1.249	2.107	18.9	19.5
469545 2003 SZ_{427}			7 24.7 298°.67	3°.1/23.4 18		
6 20	20 44.05	−26 14.1	1.692	2.568	14.2	21.5
6 30	20 39.08	−26 35.9	1.599	2.543	10.8	21.2
7 10	20 31.45	−26 58.9	1.528	2.517	6.9	20.9
7 20	20 21.79	−27 17.8	1.482	2.492	3.5	20.7
7 30	20 11.19	−27 27.6	1.462	2.466	4.4	20.7
8 9	20 1.00	−27 25.1	1.467	2.441	8.5	20.9
8 19	19 52.47	−27 9.6	1.496	2.416	12.8	21.0
8 29	19 46.62	−26 42.3	1.546	2.391	16.5	21.2
313989 2004 TZ_{138}			7 24.7 274°.90	3°.0/23.1 18		
6 20	20 42.78	−28 27.2	2.317	3.181	11.3	20.7
6 30	20 37.26	−28 45.4	2.238	3.174	8.5	20.5
7 10	20 29.86	−29 1.9	2.183	3.167	5.6	20.3
7 20	20 21.16	−29 12.9	2.155	3.161	3.2	20.2
7 30	20 12.01	−29 15.4	2.154	3.154	3.9	20.2
8 9	20 3.33	−29 7.6	2.181	3.147	6.7	20.4
8 19	19 55.97	−28 49.6	2.234	3.140	9.8	20.6
8 29	19 50.59	−28 22.5	2.310	3.134	12.5	20.7

75571 2000 AT_4 7 24.7 253°.78 1°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 44.87	−16 47.0	1.629	2.492	15.3	19.6
6 30	20 39.44	−16 37.7	1.548	2.483	11.7	19.3
7 10	20 31.52	−16 35.8	1.488	2.474	7.4	19.1
7 20	20 21.78	−16 39.3	1.452	2.464	2.8	18.8
7 30	20 11.29	−16 45.7	1.442	2.454	2.7	18.7
8 9	20 1.33	−16 52.2	1.459	2.444	7.4	19.0
8 19	19 53.05	−16 56.7	1.500	2.433	11.8	19.2
8 29	19 47.34	−16 58.1	1.563	2.423	15.7	19.4

312604 2009 OK_3 7 24.7 333°.51 0°.8/25.4 18

6 20	20 37.70	−12 49.6	2.101	2.953	12.8	19.9
6 30	20 33.61	−13 52.1	2.020	2.949	9.7	19.7
7 10	20 27.70	−15 7.7	1.962	2.946	6.1	19.5
7 20	20 20.49	−16 32.6	1.931	2.942	2.3	19.2
7 30	20 12.73	−18 1.6	1.927	2.939	2.0	19.2
8 9	20 5.29	−19 29.0	1.952	2.936	5.9	19.5
8 19	19 58.98	−20 49.9	2.004	2.933	9.5	19.7
8 29	19 54.50	−22 0.7	2.080	2.931	12.7	19.9

7199 Brianza 7 24.7 319°.49 0°.1/24.7 18

6 20	20 40.35	−18 51.3	1.871	2.738	13.4	17.9
6 30	20 35.77	−19 5.2	1.793	2.732	10.1	17.7
7 10	20 29.10	−19 25.4	1.737	2.726	6.2	17.5
7 20	20 20.96	−19 48.9	1.706	2.720	2.0	17.2
7 30	20 12.24	−20 12.4	1.702	2.714	2.3	17.2
8 9	20 4.00	−20 32.6	1.725	2.708	6.6	17.4
8 19	19 57.16	−20 47.3	1.773	2.703	10.5	17.7
8 29	19 52.47	−20 55.6	1.843	2.698	13.8	17.9

254906 2005 SC_{87} 7 24.7 316°.54 0°.5/24.4 18

6 20	20 39.50	−19 35.5	1.974	2.842	12.8	20.8
6 30	20 35.07	−19 57.9	1.894	2.834	9.6	20.6
7 10	20 28.64	−20 26.3	1.837	2.826	5.9	20.3
7 20	20 20.81	−20 57.3	1.805	2.818	1.9	20.1
7 30	20 12.41	−21 27.3	1.800	2.811	2.4	20.1
8 9	20 4.43	−21 53.1	1.821	2.803	6.4	20.3
8 19	19 57.77	−22 12.3	1.869	2.796	10.2	20.5
8 29	19 53.15	−22 23.8	1.938	2.789	13.4	20.7

447300 2005 WL_{88} 7 24.7 293°.49 2°.0/25.7 17

6 20	20 40.64	−14 18.6	2.223	3.071	12.3	20.9
6 30	20 35.67	−13 57.9	2.132	3.057	9.5	20.7
7 10	20 28.91	−13 43.7	2.064	3.044	6.2	20.5
7 20	20 20.88	−13 35.3	2.022	3.030	3.0	20.2
7 30	20 12.33	−13 31.6	2.008	3.017	2.6	20.2
8 9	20 4.13	−13 30.8	2.021	3.004	5.8	20.4
8 19	19 57.07	−13 31.7	2.061	2.990	9.3	20.6
8 29	19 51.81	−13 32.6	2.124	2.977	12.3	20.7

329263 1998 VB_{50} 7 24.7 318°.00 8°.9/27.6 16

6 20	20 38.73	− 3 10.2	1.318	2.164	19.2	19.5
6 30	20 35.37	− 2 4.6	1.233	2.143	16.1	19.3
7 10	20 29.31	− 1 17.7	1.166	2.122	12.7	19.0
7 20	20 21.15	− 0 53.9	1.119	2.101	9.8	18.8
7 30	20 11.95	− 0 55.5	1.094	2.081	9.0	18.7
8 9	20 3.09	− 1 21.1	1.091	2.062	11.1	18.8
8 19	19 55.91	− 2 6.0	1.109	2.044	14.8	18.9
8 29	19 51.51	− 3 3.2	1.146	2.027	18.7	19.1

446883 2002 DY_{15} 7 24.7 157°.44 2°.6/23.1 18

6 20	20 44.33	−28 56.5	2.828	3.680	9.8	21.8
6 30	20 37.99	−29 11.2	2.757	3.687	7.4	21.7
7 10	20 30.10	−29 23.6	2.712	3.693	4.8	21.5
7 20	20 21.21	−29 30.6	2.694	3.699	2.8	21.4
7 30	20 12.03	−29 29.9	2.706	3.704	3.4	21.4
8 9	20 3.33	−29 20.4	2.747	3.709	5.7	21.6
8 19	19 55.79	−29 2.3	2.815	3.713	8.3	21.8
8 29	19 49.94	−28 36.7	2.907	3.717	10.5	21.9

34520 2000 SC_{187} 7 24.7 250°.86 3°.5/22.3 18

6 20	20 41.00	−27 30.3	2.220	3.089	11.6	18.9
6 30	20 36.10	−28 26.7	2.145	3.084	8.7	18.7
7 10	20 29.25	−29 24.0	2.095	3.079	5.7	18.5
7 20	20 21.01	−30 17.0	2.070	3.074	3.6	18.4
7 30	20 12.21	−31 0.9	2.074	3.069	4.5	18.4
8 9	20 3.81	−31 32.4	2.104	3.064	7.3	18.6
8 19	19 56.71	−31 50.1	2.160	3.059	10.4	18.8
8 29	19 51.60	−31 54.5	2.237	3.054	13.1	18.9

174661 2003 SM_{210} 7 24.7 259°.45 3°.9/22.9 17

6 20	20 46.16	−26 35.7	1.574	2.451	15.0	20.9
6 30	20 40.80	−27 21.3	1.494	2.437	11.4	20.6
7 10	20 32.57	−28 9.1	1.435	2.422	7.4	20.3
7 20	20 22.18	−28 52.5	1.400	2.408	4.1	20.1
7 30	20 10.84	−29 24.7	1.391	2.392	5.3	20.1
8 9	20 0.04	−29 41.4	1.408	2.377	9.3	20.3
8 19	19 51.14	−29 41.3	1.447	2.361	13.5	20.5
8 29	19 45.15	−29 26.1	1.508	2.345	17.2	20.8

53537 2000 AZ_{239} 7 24.7 49°.77 3°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 45.17	−25 32.1	1.430	2.313	15.9	17.9
6 30	20 39.86	−26 1.3	1.373	2.320	11.9	17.6
7 10	20 31.79	−26 31.6	1.336	2.326	7.5	17.4
7 20	20 21.85	−26 57.4	1.324	2.334	3.6	17.2
7 30	20 11.34	−27 13.1	1.336	2.341	4.6	17.3
8 9	20 1.74	−27 15.8	1.373	2.349	8.8	17.5
8 19	19 54.25	−27 5.4	1.433	2.357	12.9	17.8
8 29	19 49.68	−26 43.7	1.514	2.365	16.5	18.1

416065 2002 JM_{136} 7 24.7 90°.81 4°.4/22.7 17

6 20	20 46.89	−27 9.6	1.420	2.301	16.1	20.9
6 30	20 41.21	−28 5.8	1.367	2.312	12.1	20.7
7 10	20 32.65	−29 2.4	1.336	2.323	7.8	20.5
7 20	20 22.13	−29 51.7	1.328	2.335	4.6	20.4
7 30	20 11.03	−30 26.7	1.346	2.346	5.7	20.5
8 9	20 0.89	−30 43.8	1.389	2.356	9.6	20.7
8 19	19 52.96	−30 43.0	1.454	2.367	13.5	21.0
8 29	19 48.10	−30 26.9	1.539	2.378	16.9	21.2

71867 2000 VX_{28} 7 24.7 154°.14 3°.3/26.4 18

6 20	20 43.81	−10 8.1	1.650	2.497	15.9	19.8
6 30	20 38.45	−10 10.4	1.580	2.502	12.4	19.6
7 10	20 30.79	−10 27.2	1.532	2.507	8.4	19.4
7 20	20 21.52	−10 56.8	1.507	2.511	4.5	19.2
7 30	20 11.68	−11 36.1	1.508	2.515	3.8	19.1
8 9	20 2.42	−12 20.8	1.535	2.518	7.2	19.4
8 19	19 54.77	−13 6.5	1.588	2.521	11.2	19.6
8 29	19 49.53	−13 49.4	1.663	2.524	14.8	19.8

316121 2009 QN_{27} 7 24.7 293°.59 2°.1/26.2 18

6 20	20 37.38	−11 12.0	2.272	3.116	12.2	20.8
6 30	20 33.23	−11 34.7	2.186	3.107	9.4	20.6
7 10	20 27.41	−12 8.7	2.122	3.099	6.3	20.4
7 20	20 20.40	−12 52.1	2.084	3.091	3.1	20.2
7 30	20 12.91	−13 42.1	2.074	3.083	2.5	20.1
8 9	20 5.71	−14 34.9	2.092	3.075	5.5	20.3
8 19	19 59.56	−15 26.9	2.136	3.067	8.9	20.5
8 29	19 55.08	−16 15.3	2.204	3.060	11.8	20.7

335061 2004 RZ_{191} 7 24.7 302°.67 10°.6/30.8 17

6 20	20 37.71	+ 6 35.4	1.669	2.451	18.5	20.6
6 30	20 34.07	+ 7 13.3	1.582	2.436	16.2	20.4
7 10	20 28.24	+ 7 25.3	1.512	2.421	13.7	20.2
7 20	20 20.75	+ 7 7.6	1.463	2.406	11.6	20.0
7 30	20 12.48	+ 6 18.8	1.435	2.392	10.6	19.9
8 9	20 4.52	+ 5 1.9	1.431	2.377	11.3	20.0
8 19	19 57.89	+ 3 23.3	1.449	2.363	13.5	20.1
8 29	19 53.49	+ 1 31.6	1.489	2.350	16.2	20.2

474623 2004 TF_{177} 7 24.7 49°.38 5°.1/21.6 18

6 20	20 42.84	−33 55.6	2.269	3.133	11.5	21.2
6 30	20 37.44	−34 42.1	2.205	3.135	9.0	21.0
7 10	20 30.02	−35 23.8	2.164	3.137	6.5	20.9
7 20	20 21.24	−35 55.8	2.149	3.139	5.1	20.8
7 30	20 12.02	−36 13.7	2.162	3.141	5.9	20.8
8 9	20 3.36	−36 15.8	2.200	3.143	8.1	21.0
8 19	19 56.14	−36 2.4	2.263	3.145	10.7	21.1
8 29	19 51.04	−35 35.5	2.348	3.147	13.1	21.3

254300 2004 RN_{289} 7 24.7 326°.84 4°.5/21.3 18

6 20	20 37.54	−25 19.6	1.701	2.587	13.6	19.0
6 30	20 34.27	−27 0.4	1.616	2.564	10.3	18.7
7 10	20 28.54	−28 49.4	1.554	2.543	6.8	18.5
7 20	20 20.90	−30 38.6	1.517	2.521	4.5	18.3
7 30	20 12.27	−32 18.9	1.506	2.501	6.0	18.4
8 9	20 3.90	−33 42.4	1.521	2.481	9.6	18.5
8 19	19 56.99	−34 44.9	1.560	2.462	13.4	18.7
8 29	19 52.59	−35 25.4	1.618	2.444	16.8	18.9

75170 1999 VC_{138} 7 24.7 146°.49 1°.6/24.1 18

6 20	20 47.11	−23 5.6	1.561	2.434	15.4	19.3
6 30	20 41.13	−23 15.0	1.495	2.437	11.5	19.1
7 10	20 32.51	−23 26.9	1.450	2.440	7.1	18.9
7 20	20 22.09	−23 37.1	1.430	2.442	2.6	18.6
7 30	20 11.09	−23 41.4	1.435	2.445	3.3	18.7
8 9	20 0.87	−23 37.5	1.467	2.447	7.9	18.9
8 19	19 52.61	−23 24.9	1.523	2.449	12.1	19.2
8 29	19 47.13	−23 4.7	1.600	2.451	15.8	19.4

63084 2000 WP_{134} 7 24.7 338°.68 3°.6/22.8 18

6 20	20 42.88	−29 6.8	2.109	2.978	12.1	19.5
6 30	20 37.50	−29 34.7	2.039	2.977	9.2	19.3
7 10	20 30.09	−30 0.8	1.992	2.975	6.1	19.1
7 20	20 21.28	−30 20.5	1.970	2.974	3.7	19.0
7 30	20 12.01	−30 30.0	1.976	2.973	4.5	19.0
8 9	20 3.30	−30 27.5	2.009	2.972	7.4	19.2
8 19	19 56.05	−30 12.9	2.066	2.971	10.5	19.4
8 29	19 50.95	−29 47.6	2.146	2.971	13.3	19.6

70737 Stenflo 7 24.7 298°.70 2°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.06	−13 11.8	1.693	2.552	15.0	19.3
6 30	20 36.66	−12 59.3	1.597	2.528	11.7	19.0
7 10	20 29.90	−12 57.2	1.523	2.504	7.8	18.8
7 20	20 21.32	−13 4.8	1.472	2.480	3.8	18.5
7 30	20 11.87	−13 20.0	1.447	2.456	3.3	18.4
8 9	20 2.71	−13 39.9	1.447	2.432	7.4	18.6
8 19	19 54.96	−14 1.5	1.472	2.408	11.7	18.8
8 29	19 49.57	−14 22.0	1.519	2.385	15.7	19.0

316367 2010 SP_{27} 7 24.7 229°.13 2°.0/26.0 18

6 20	20 38.76	−12 11.6	2.557	3.396	11.2	21.9
6 30	20 34.04	−12 16.7	2.470	3.389	8.6	21.7
7 10	20 27.82	−12 30.2	2.406	3.382	5.7	21.5
7 20	20 20.54	−12 50.8	2.369	3.375	2.8	21.3
7 30	20 12.83	−13 16.6	2.360	3.368	2.4	21.3
8 9	20 5.43	−13 45.2	2.379	3.361	5.1	21.4
8 19	19 58.98	−14 14.2	2.426	3.353	8.1	21.6
8 29	19 54.05	−14 41.5	2.496	3.346	10.8	21.8

270379 2002 AW_{55} 7 24.7 124°.87 0°.4/24.9 17

6 20	20 44.28	−18 29.1	1.779	2.642	14.2	20.9
6 30	20 38.67	−18 29.2	1.710	2.647	10.7	20.7
7 10	20 30.86	−18 35.1	1.664	2.651	6.6	20.4
7 20	20 21.55	−18 44.3	1.642	2.655	2.2	20.2
7 30	20 11.74	−18 53.7	1.648	2.659	2.3	20.2
8 9	20 2.57	−19 0.9	1.680	2.663	6.7	20.5
8 19	19 55.01	−19 4.2	1.738	2.667	10.7	20.7
8 29	19 49.78	−19 2.9	1.818	2.671	14.1	20.9

63326 2001 FV_{53} 7 24.7 96°.32 1°.0/24.3 18

6 20	20 45.78	−20 34.7	1.537	2.409	15.6	19.3
6 30	20 40.05	−20 57.0	1.480	2.421	11.6	19.1
7 10	20 31.80	−21 24.9	1.444	2.434	7.1	18.9
7 20	20 21.87	−21 54.0	1.433	2.446	2.4	18.6
7 30	20 11.46	−22 19.4	1.447	2.458	3.0	18.7
8 9	20 1.88	−22 37.6	1.488	2.470	7.6	19.0
8 19	19 54.22	−22 47.1	1.553	2.481	11.8	19.2
8 29	19 49.25	−22 47.9	1.639	2.492	15.4	19.5

121685 1999 XL_{60} 7 24.7 144°.04 1°.4/25.7 18

6 20	20 38.92	−13 49.0	2.658	3.499	10.7	20.2
6 30	20 34.05	−13 58.6	2.582	3.505	8.1	20.1
7 10	20 27.76	−14 15.4	2.531	3.511	5.3	19.9
7 20	20 20.51	−14 37.6	2.507	3.516	2.3	19.7
7 30	20 12.95	−15 3.2	2.511	3.521	2.0	19.7
8 9	20 5.73	−15 29.8	2.544	3.526	4.8	19.9
8 19	19 59.49	−15 55.4	2.604	3.531	7.7	20.1
8 29	19 54.73	−16 18.4	2.689	3.536	10.3	20.2

39310 2001 TC_{64} 7 24.7 217°.57 1°.1/24.1 18

6 20	20 41.16	−21 21.5	2.155	3.019	12.1	19.4
6 30	20 36.14	−21 45.6	2.079	3.017	9.0	19.2
7 10	20 29.24	−22 13.6	2.027	3.015	5.5	19.0
7 20	20 21.04	−22 42.2	2.000	3.013	1.9	18.7
7 30	20 12.36	−23 7.9	2.002	3.011	2.5	18.8
8 9	20 4.13	−23 27.8	2.031	3.009	6.2	19.0
8 19	19 57.17	−23 40.5	2.086	3.007	9.6	19.2
8 29	19 52.16	−23 45.3	2.164	3.005	12.6	19.4

295414 2008 JU_{31} 7 24.7 68°.44 3°.8/21.6 18

6 20	20 40.68	−26 37.4	2.184	3.053	11.7	19.7
6 30	20 35.90	−28 10.8	2.122	3.062	8.8	19.6
7 10	20 29.16	−29 46.3	2.086	3.070	5.8	19.4
7 20	20 21.04	−31 17.4	2.077	3.078	3.9	19.3
7 30	20 12.37	−32 37.8	2.096	3.087	5.0	19.4
8 9	20 4.12	−33 42.9	2.142	3.095	7.7	19.6
8 19	19 57.17	−34 30.8	2.214	3.104	10.6	19.8
8 29	19 52.22	−35 1.7	2.308	3.112	13.1	19.9

345009 2005 CL_{16} 7 24.7 340°.67 2°.3/23.9 18

6 20	20 46.18	−26 8.5	1.652	2.526	14.6	19.7
6 30	20 40.38	−26 1.5	1.580	2.522	11.0	19.5
7 10	20 32.05	−25 53.1	1.530	2.519	6.9	19.2
7 20	20 21.99	−25 39.4	1.504	2.515	3.0	19.0
7 30	20 11.36	−25 17.6	1.505	2.513	3.7	19.0
8 9	20 1.50	−24 46.5	1.532	2.510	7.8	19.3
8 19	19 53.51	−24 7.3	1.583	2.508	11.9	19.5
8 29	19 48.19	−23 22.0	1.656	2.506	15.4	19.7

41234 1999 XP_{23} 7 24.7 216°.37 0°.2/24.6 18

6 20	20 39.40	−18 47.1	2.639	3.493	10.4	19.8
6 30	20 34.53	−19 9.6	2.555	3.488	7.8	19.6
7 10	20 28.13	−19 36.8	2.496	3.482	4.8	19.4
7 20	20 20.68	−20 6.5	2.463	3.477	1.6	19.2
7 30	20 12.81	−20 35.7	2.460	3.471	1.8	19.2
8 9	20 5.26	−21 2.1	2.485	3.465	5.1	19.4
8 19	19 58.68	−21 23.9	2.537	3.458	8.1	19.6
8 29	19 53.64	−21 39.9	2.613	3.452	10.7	19.8

85729 1998 SV_{76} 7 24.7 322°.45 1°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.60	−15 39.9	1.727	2.591	14.6	19.2
6 30	20 36.84	−15 30.6	1.650	2.585	11.1	18.9
7 10	20 29.85	−15 29.5	1.595	2.580	7.1	18.7
7 20	20 21.30	−15 35.0	1.563	2.574	2.9	18.4
7 30	20 12.15	−15 44.6	1.558	2.569	2.6	18.4
8 9	20 3.52	−15 55.6	1.580	2.565	6.8	18.6
8 19	19 56.40	−16 5.8	1.625	2.560	10.9	18.9
8 29	19 51.58	−16 13.5	1.693	2.556	14.5	19.1

65233 2002 EW_{87} 7 24.7 189°.85 4°.1/27.5 18

6 20	20 40.81	− 5 17.7	2.209	3.025	13.5	20.9
6 30	20 35.78	− 5 28.7	2.125	3.024	10.8	20.7
7 10	20 29.00	− 5 54.7	2.064	3.022	7.8	20.5
7 20	20 20.99	− 6 34.8	2.028	3.020	5.0	20.4
7 30	20 12.49	− 7 26.8	2.019	3.018	4.2	20.3
8 9	20 4.32	− 8 26.8	2.038	3.015	6.3	20.4
8 19	19 57.28	− 9 30.7	2.084	3.011	9.3	20.6
8 29	19 52.00	−10 34.1	2.155	3.007	12.2	20.8

181922 1999 TQ_{80} 7 24.7 237°.78 0°.2/24.7 17

6 20	20 44.59	−18 5.2	1.821	2.682	14.1	21.6
6 30	20 39.17	−18 31.3	1.733	2.668	10.6	21.4
7 10	20 31.38	−19 5.5	1.668	2.655	6.6	21.1
7 20	20 21.84	−19 44.5	1.627	2.641	2.2	20.8
7 30	20 11.51	−20 23.7	1.614	2.626	2.5	20.8
8 9	20 1.55	−20 58.8	1.629	2.610	7.0	21.1
8 19	19 53.06	−21 27.1	1.668	2.594	11.3	21.3
8 29	19 46.93	−21 47.0	1.730	2.577	14.9	21.5

295872 2008 WM_{29} 7 24.7 303°.60 3°.3/23.1 18

6 20	20 42.70	−25 57.5	1.701	2.578	14.0	20.5
6 30	20 37.91	−26 37.3	1.626	2.570	10.6	20.3
7 10	20 30.64	−27 19.1	1.573	2.562	6.8	20.0
7 20	20 21.59	−27 57.3	1.545	2.553	3.6	19.8
7 30	20 11.82	−28 26.4	1.543	2.545	4.6	19.9
8 9	20 2.62	−28 42.6	1.566	2.538	8.3	20.1
8 19	19 55.09	−28 44.9	1.613	2.530	12.2	20.3
8 29	19 50.13	−28 34.1	1.682	2.523	15.6	20.5

33086 1997 XS 7 24.7 184°.21 0°.1/24.7 18

6 20	20 44.20	−18 43.8	2.006	2.863	13.1	19.6
6 30	20 38.49	−18 56.1	1.930	2.864	9.8	19.4
7 10	20 30.74	−19 13.9	1.877	2.864	6.1	19.1
7 20	20 21.57	−19 34.5	1.850	2.863	2.0	18.9
7 30	20 11.88	−19 54.7	1.851	2.862	2.2	18.9
8 9	20 2.70	−20 11.5	1.879	2.861	6.3	19.1
8 19	19 54.92	−20 23.2	1.934	2.859	10.0	19.4
8 29	19 49.27	−20 29.1	2.011	2.856	13.2	19.6

186329 2002 DO_{18} 7 24.7 95°.02 0°.6/24.2 17

6 20	20 39.91	−18 3.9	2.383	3.238	11.3	20.4
6 30	20 34.97	−19 4.1	2.321	3.255	8.4	20.3
7 10	20 28.42	−20 10.8	2.284	3.271	5.1	20.1
7 20	20 20.78	−21 20.0	2.274	3.287	1.6	19.9
7 30	20 12.78	−22 27.2	2.293	3.303	2.2	19.9
8 9	20 5.19	−23 28.3	2.340	3.318	5.5	20.2
8 19	19 58.73	−24 20.7	2.415	3.333	8.6	20.4
8 29	19 53.97	−25 2.8	2.514	3.349	11.3	20.6

11571 Daens 7 24.7 280°.00 0°.4/24.9 18

6 20	20 39.48	−16 58.6	2.334	3.189	11.6	19.2
6 30	20 34.90	−17 19.5	2.236	3.168	8.8	18.9
7 10	20 28.55	−17 47.4	2.160	3.146	5.5	18.7
7 20	20 20.88	−18 20.2	2.111	3.124	1.9	18.4
7 30	20 12.61	−18 54.7	2.090	3.102	1.9	18.4
8 9	20 4.57	−19 27.8	2.097	3.080	5.7	18.6
8 19	19 57.56	−19 57.1	2.131	3.057	9.2	18.8
8 29	19 52.27	−20 20.7	2.188	3.035	12.3	18.9

18991 Tonivanov 7 24.7 110°.29 2°.3/23.9 18

6 20	20 47.70	−23 49.7	1.445	2.322	16.1	18.7
6 30	20 41.74	−24 10.6	1.386	2.329	12.1	18.5
7 10	20 32.99	−24 34.0	1.347	2.337	7.5	18.2
7 20	20 22.33	−24 54.6	1.332	2.344	3.0	18.0
7 30	20 11.10	−25 7.5	1.343	2.351	3.9	18.1
8 9	20 0.79	−25 9.6	1.380	2.358	8.4	18.3
8 19	19 52.60	−25 0.8	1.440	2.365	12.8	18.6
8 29	19 47.37	−24 42.2	1.520	2.371	16.5	18.9

24474 Ananthram 7 24.7 133°.24 0°.4/24.5 18

6 20	20 45.04	−17 20.4	1.765	2.625	14.5	19.2
6 30	20 39.29	−18 9.1	1.702	2.637	10.8	19.0
7 10	20 31.30	−19 7.0	1.662	2.649	6.6	18.8
7 20	20 21.76	−20 9.2	1.648	2.661	2.1	18.6
7 30	20 11.71	−21 9.9	1.661	2.672	2.5	18.6
8 9	20 2.28	−22 4.3	1.701	2.682	6.9	18.9
8 19	19 54.46	−22 49.0	1.767	2.692	10.8	19.2
8 29	19 49.02	−23 22.7	1.856	2.701	14.2	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
62425 2000 SM_{186}			7 24.7	345°.35	6°.7/20.6	18
	h m	° ′			°	m
6 20	20 42.13	−34 38.3	1.825	2.700	13.4	18.6
6 30	20 37.53	−35 52.1	1.762	2.696	10.6	18.5
7 10	20 30.42	−37 1.3	1.721	2.692	8.0	18.3
7 20	20 21.52	−37 58.4	1.704	2.689	6.7	18.2
7 30	20 11.94	−38 37.0	1.713	2.686	7.7	18.3
8 9	20 2.97	−38 53.9	1.746	2.683	10.2	18.4
8 19	19 55.74	−38 49.2	1.801	2.681	13.1	18.6
8 29	19 51.12	−38 25.7	1.877	2.679	15.7	18.8
446190 2013 FM_{20}			7 24.7	74°.28	1°.3/23.9	18
6 20	20 39.91	−21 56.5	2.278	3.142	11.5	21.2
6 30	20 35.08	−22 27.3	2.210	3.149	8.5	21.0
7 10	20 28.53	−23 1.4	2.167	3.156	5.2	20.8
7 20	20 20.83	−23 35.5	2.150	3.162	1.9	20.6
7 30	20 12.75	−24 5.9	2.161	3.169	2.6	20.7
8 9	20 5.13	−24 30.1	2.200	3.176	5.9	20.9
8 19	19 58.71	−24 46.4	2.264	3.183	9.1	21.1
8 29	19 54.11	−24 54.5	2.352	3.190	11.8	21.3
74047 1998 HF_{107}			7 24.7	352°.25	5°.1/21.9	18
6 20	20 28.86	−22 30.4	0.839	1.768	19.4	17.5
6 30	20 29.09	−24 9.7	0.783	1.755	14.6	17.2
7 10	20 25.97	−26 4.3	0.744	1.744	9.3	16.9
7 20	20 20.22	−28 2.4	0.724	1.735	5.2	16.6
7 30	20 13.35	−29 48.9	0.724	1.729	7.3	16.7
8 9	20 7.31	−31 11.0	0.743	1.726	12.7	17.0
8 19	20 3.79	−32 2.3	0.780	1.725	18.0	17.3
8 29	20 4.00	−32 22.0	0.832	1.727	22.5	17.6
169671 2002 JX_{87}			7 24.7	139°.75	3°.2/26.2	17
6 20	20 44.86	−11 15.5	1.610	2.460	16.1	20.8
6 30	20 39.28	−11 8.2	1.543	2.467	12.5	20.5
7 10	20 31.35	−11 14.1	1.497	2.474	8.4	20.3
7 20	20 21.80	−11 31.6	1.475	2.481	4.4	20.1
7 30	20 11.69	−11 58.0	1.479	2.486	3.7	20.1
8 9	20 2.24	−12 29.5	1.509	2.492	7.3	20.3
8 19	19 54.47	−13 2.4	1.564	2.497	11.3	20.6
8 29	19 49.18	−13 33.5	1.640	2.502	14.9	20.8
267703 2002 XD_{118}			7 24.7	196°.49	3°.8/26.9	18
6 20	20 42.53	− 7 48.0	2.008	2.836	14.2	21.7
6 30	20 37.25	− 7 50.6	1.925	2.834	11.2	21.5
7 10	20 30.00	− 8 7.1	1.865	2.831	7.9	21.3
7 20	20 21.37	− 8 36.7	1.829	2.828	4.7	21.1
7 30	20 12.16	− 9 17.1	1.821	2.824	4.0	21.0
8 9	20 3.34	−10 4.5	1.840	2.819	6.6	21.2
8 19	19 55.79	−10 55.1	1.885	2.814	10.0	21.4
8 29	19 50.23	−11 45.0	1.953	2.808	13.2	21.6
283737 2002 WB_{9}			7 24.7	342°.29	9°.0/20.7	18
6 20	20 39.38	−35 56.3	1.248	2.145	16.8	18.9
6 30	20 36.55	−37 2.5	1.180	2.126	13.5	18.7
7 10	20 30.36	−38 1.9	1.132	2.109	10.5	18.5
7 20	20 21.63	−38 44.4	1.105	2.093	9.0	18.3
7 30	20 11.86	−39 1.0	1.100	2.079	10.2	18.3
8 9	20 2.91	−38 47.6	1.115	2.066	13.3	18.5
8 19	19 56.37	−38 5.7	1.150	2.055	17.0	18.7
8 29	19 53.36	−37 0.6	1.202	2.046	20.4	18.9
281609 2008 UK_{203}			7 24.7	299°.73	1°.3/24.2	18
6 20	20 43.33	−22 10.0	1.687	2.560	14.4	20.1
6 30	20 38.30	−22 22.6	1.610	2.553	10.8	19.8
7 10	20 30.85	−22 39.0	1.555	2.545	6.7	19.6
7 20	20 21.68	−22 55.3	1.525	2.538	2.4	19.3
7 30	20 11.84	−23 7.6	1.521	2.531	3.0	19.3
8 9	20 2.57	−23 12.9	1.543	2.524	7.4	19.6
8 19	19 54.96	−23 10.0	1.589	2.517	11.6	19.8
8 29	19 49.85	−22 59.1	1.657	2.510	15.2	20.0
321825 2010 RZ_{49}			7 24.7	181°.82	3°.5/26.5	17
6 20	20 43.22	− 9 36.5	1.658	2.504	15.9	21.4
6 30	20 38.10	− 9 41.2	1.584	2.504	12.4	21.1
7 10	20 30.68	−10 1.0	1.530	2.505	8.5	20.9
7 20	20 21.62	−10 34.5	1.501	2.505	4.7	20.7
7 30	20 11.91	−11 18.6	1.497	2.504	3.8	20.6
8 9	20 2.73	−12 8.6	1.520	2.503	7.3	20.8
8 19	19 55.12	−12 59.8	1.568	2.502	11.3	21.1
8 29	19 49.88	−13 48.2	1.638	2.501	14.9	21.3
149007 2002 AJ_{32}			7 24.7	223°.65	0°.4/24.4	18
6 20	20 40.33	−19 32.0	2.814	3.665	9.9	21.2
6 30	20 35.20	−19 59.5	2.723	3.654	7.4	21.0
7 10	20 28.57	−20 31.3	2.656	3.642	4.6	20.8
7 20	20 20.88	−21 4.9	2.618	3.631	1.5	20.6
7 30	20 12.73	−21 37.6	2.608	3.618	1.9	20.6
8 9	20 4.84	−22 6.8	2.627	3.605	5.0	20.8
8 19	19 57.86	−22 30.7	2.674	3.592	7.9	21.0
8 29	19 52.36	−22 48.3	2.746	3.578	10.5	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
436835 2012 SD_{10}			7 24.7	313°.72	19°.3/ 8.5	16
	h m	° ′			°	m
6 20	20 37.68	+28 51.3	1.818	2.425	22.4	20.9
6 30	20 34.23	+30 35.4	1.743	2.410	21.6	20.8
7 10	20 28.47	+31 47.0	1.680	2.395	20.8	20.6
7 20	20 20.96	+32 18.6	1.628	2.380	20.0	20.5
7 30	20 12.57	+32 4.5	1.591	2.366	19.5	20.5
8 9	20 4.47	+31 3.5	1.568	2.352	19.3	20.4
8 19	19 57.74	+29 18.6	1.561	2.339	19.5	20.4
8 29	19 53.34	+26 57.3	1.570	2.326	20.2	20.4
440920 2006 WF_{70}			7 24.7	289°.29	1°.8/25.7	18
6 20	20 40.35	−14 11.0	2.034	2.887	13.1	21.6
6 30	20 35.67	−14 6.2	1.948	2.876	10.0	21.4
7 10	20 29.06	−14 9.9	1.884	2.865	6.5	21.2
7 20	20 21.08	−14 20.5	1.845	2.854	3.0	20.9
7 30	20 12.53	−14 36.2	1.833	2.844	2.6	20.9
8 9	20 4.35	−14 54.1	1.849	2.833	6.1	21.1
8 19	19 57.41	−15 12.1	1.890	2.822	9.8	21.3
8 29	19 52.41	−15 28.1	1.954	2.811	13.1	21.5
235913 2005 EU_{39}			7 24.8	54°.32	1°.1/25.4	17
6 20	20 40.33	−14 26.4	1.765	2.626	14.4	20.4
6 30	20 35.80	−14 53.1	1.697	2.631	10.9	20.2
7 10	20 29.18	−15 30.8	1.651	2.636	6.9	20.0
7 20	20 21.12	−16 16.5	1.630	2.642	2.7	19.8
7 30	20 12.53	−17 5.8	1.635	2.647	2.4	19.7
8 9	20 4.48	−17 54.2	1.667	2.653	6.5	20.0
8 19	19 57.90	−18 38.0	1.724	2.658	10.5	20.3
8 29	19 53.50	−19 14.6	1.804	2.664	13.9	20.5
506782 2007 AN_{10}			7 24.8	315°.98	6°.1/19.9	18
6 20	20 39.16	−21 42.5	1.203	2.101	17.3	20.3
6 30	20 36.83	−24 29.5	1.105	2.061	13.2	20.0
7 10	20 31.08	−27 46.4	1.030	2.022	8.7	19.6
7 20	20 22.14	−31 20.9	0.978	1.984	6.1	19.3
7 30	20 11.02	−34 53.3	0.953	1.945	9.0	19.3
8 9	19 59.46	−38 2.8	0.952	1.908	14.4	19.5
8 19	19 49.59	−40 35.2	0.972	1.871	19.8	19.7
8 29	19 43.44	−42 25.7	1.009	1.835	24.6	19.9
429802 2012 JL_{2}			7 24.8	1°.49	1°.8/25.7	17
6 20	20 34.53	−12 21.6	1.055	1.950	19.3	19.7
6 30	20 32.58	−13 2.7	0.996	1.947	14.8	19.5
7 10	20 27.73	−14 5.6	0.955	1.946	9.5	19.2
7 20	20 20.75	−15 25.8	0.934	1.946	3.9	18.9
7 30	20 12.94	−16 55.2	0.935	1.947	3.2	18.8
8 9	20 5.86	−18 23.8	0.958	1.951	8.7	19.2
8 19	20 0.88	−19 43.2	1.003	1.955	14.0	19.5
8 29	19 58.98	−20 47.8	1.066	1.962	18.6	19.8
93348 2000 SP_{250}			7 24.8	332°.20	0°.4/24.6	18 R
6 20	20 37.62	−17 42.0	1.304	2.193	16.7	19.4
6 30	20 34.68	−18 19.2	1.227	2.178	12.7	19.1
7 10	20 28.98	−19 9.3	1.170	2.163	7.9	18.8
7 20	20 21.17	−20 7.8	1.135	2.149	2.6	18.4
7 30	20 12.42	−21 8.1	1.125	2.136	3.1	18.4
8 9	20 4.17	−22 3.2	1.137	2.124	8.5	18.7
8 19	19 57.75	−22 48.2	1.172	2.114	13.6	19.0
8 29	19 54.23	−23 20.2	1.226	2.104	17.9	19.2
386387 2008 UB_{115}			7 24.8	127°.16	3°.7/26.7	17
6 20	20 42.95	− 8 50.1	2.138	2.966	13.4	21.7
6 30	20 37.30	− 8 30.4	2.069	2.977	10.5	21.5
7 10	20 29.89	− 8 21.7	2.023	2.989	7.4	21.3
7 20	20 21.32	− 8 23.8	2.002	3.000	4.5	21.2
7 30	20 12.38	− 8 35.3	2.009	3.010	3.9	21.2
8 9	20 3.94	− 8 53.7	2.043	3.020	6.3	21.3
8 19	19 56.78	− 9 16.6	2.104	3.030	9.3	21.5
8 29	19 51.48	− 9 41.1	2.189	3.039	12.1	21.7
2951 Perepadin			7 24.8	145°.68	6°.0/20.6	18 R
6 20	20 45.12	−38 32.9	2.581	3.431	10.8	15.6
6 30	20 39.04	−39 25.9	2.522	3.437	8.7	15.5
7 10	20 31.02	−40 11.6	2.487	3.442	6.8	15.4
7 20	20 21.69	−40 44.9	2.478	3.448	6.0	15.3
7 30	20 11.96	−41 2.1	2.496	3.453	6.6	15.4
8 9	20 2.78	−41 1.7	2.541	3.458	8.4	15.5
8 19	19 55.02	−40 44.5	2.609	3.462	10.4	15.6
8 29	19 49.32	−40 13.1	2.700	3.467	12.3	15.8
288566 2004 HT_{24}			7 24.8	171°.59	2°.5/23.5	17
6 20	20 46.55	−24 43.9	1.886	2.751	13.4	21.8
6 30	20 40.46	−25 19.1	1.816	2.754	10.1	21.5
7 10	20 32.06	−25 56.2	1.769	2.756	6.3	21.3
7 20	20 22.07	−26 30.2	1.749	2.758	2.9	21.1
7 30	20 11.53	−26 56.4	1.755	2.760	3.8	21.2
8 9	20 1.59	−27 11.8	1.789	2.761	7.5	21.4
8 19	19 53.28	−27 15.4	1.848	2.761	11.1	21.6
8 29	19 47.39	−27 8.1	1.930	2.761	14.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
276021 2002 AA_{23}			7 24.8 238.°10		2.°8/26.3 18	
	h m	° ′			°	m
6 20	20 41.88	−10 36.5	1.978	2.818	13.9	20.9
6 30	20 36.89	−10 41.7	1.889	2.808	10.8	20.7
7 10	20 29.88	−10 59.2	1.822	2.796	7.3	20.5
7 20	20 21.38	−11 27.7	1.780	2.784	3.9	20.2
7 30	20 12.24	−12 4.7	1.765	2.772	3.2	20.2
8 9	20 3.42	−12 46.5	1.777	2.760	6.5	20.3
8 19	19 55.85	−13 29.6	1.815	2.746	10.2	20.5
8 29	19 50.31	−14 10.7	1.877	2.733	13.6	20.7
396587 2000 UC_{6}			7 24.8 306.°62		4.°5/26.9 18	
6 20	20 38.88	− 7 47.7	1.926	2.764	14.3	20.4
6 30	20 34.84	− 7 29.6	1.820	2.733	11.5	20.2
7 10	20 28.75	− 7 24.6	1.735	2.702	8.3	19.9
7 20	20 21.06	− 7 33.2	1.674	2.671	5.4	19.7
7 30	20 12.55	− 7 54.7	1.639	2.640	4.7	19.6
8 9	20 4.20	− 8 26.6	1.630	2.610	7.3	19.7
8 19	19 56.98	− 9 5.5	1.646	2.579	10.9	19.8
8 29	19 51.76	− 9 47.5	1.685	2.549	14.5	20.0
513379 2008 FL_{137}			7 24.8 73.°88		8.°1/18.7 18	
6 20	20 45.11	−41 56.0	2.236	3.087	12.2	21.4
6 30	20 39.55	−43 20.9	2.183	3.090	10.1	21.3
7 10	20 31.58	−44 36.3	2.153	3.094	8.6	21.2
7 20	20 21.94	−45 35.0	2.148	3.097	8.1	21.2
7 30	20 11.67	−46 11.8	2.169	3.101	8.9	21.2
8 9	20 2.02	−46 24.6	2.214	3.105	10.6	21.4
8 19	19 54.05	−46 14.5	2.281	3.108	12.6	21.5
8 29	19 48.58	−45 45.0	2.367	3.112	14.4	21.7
235134 2003 QR_{60}			7 24.8 324.°04		2.°0/25.8 18	
6 20	20 36.69	−12 33.8	1.412	2.287	16.5	19.6
6 30	20 33.82	−13 0.2	1.324	2.264	12.8	19.3
7 10	20 28.41	−13 44.0	1.256	2.242	8.4	19.0
7 20	20 21.00	−14 42.9	1.210	2.221	3.7	18.7
7 30	20 12.62	−15 51.9	1.189	2.201	3.0	18.6
8 9	20 4.55	−17 4.4	1.192	2.181	7.9	18.8
8 19	19 58.08	−18 13.6	1.218	2.162	12.8	19.1
8 29	19 54.24	−19 14.4	1.264	2.145	17.2	19.3
184616 2005 RE_{11}			7 24.8 14.°36		4.°9/27.5 18	R
6 20	20 38.97	− 5 35.5	2.040	2.866	14.1	19.5
6 30	20 34.52	− 5 12.9	1.964	2.866	11.3	19.4
7 10	20 28.28	− 5 4.2	1.910	2.868	8.4	19.2
7 20	20 20.83	− 5 9.8	1.880	2.869	5.8	19.0
7 30	20 12.92	− 5 28.6	1.876	2.870	5.0	19.0
8 9	20 5.42	− 5 58.0	1.898	2.872	6.9	19.1
8 19	19 59.12	− 6 34.6	1.946	2.874	9.8	19.3
8 29	19 54.66	− 7 14.6	2.016	2.876	12.7	19.5
379183 2009 RB_{32}			7 24.8 138.°06		3.°2/26.4 17	
6 20	20 43.30	−10 11.0	1.856	2.697	14.7	21.3
6 30	20 37.86	−10 8.7	1.787	2.705	11.4	21.1
7 10	20 30.38	−10 18.9	1.739	2.713	7.8	20.9
7 20	20 21.52	−10 40.4	1.717	2.720	4.3	20.7
7 30	20 12.18	−11 10.6	1.721	2.727	3.6	20.7
8 9	20 3.39	−11 46.0	1.752	2.734	6.6	20.9
8 19	19 56.05	−12 23.1	1.809	2.740	10.2	21.1
8 29	19 50.84	−12 58.7	1.889	2.746	13.5	21.4
513399 2008 KE_{14}			7 24.8 129.°96		2.°7/22.6 18	
6 20	20 40.29	−24 46.8	2.405	3.269	10.9	21.7
6 30	20 35.44	−25 56.7	2.336	3.274	8.1	21.5
7 10	20 28.84	−27 9.2	2.292	3.279	5.2	21.3
7 20	20 21.01	−28 19.4	2.276	3.283	2.9	21.2
7 30	20 12.71	−29 22.6	2.289	3.288	3.8	21.2
8 9	20 4.78	−30 14.8	2.329	3.292	6.6	21.4
8 19	19 57.99	−30 54.3	2.396	3.296	9.4	21.6
8 29	19 52.99	−31 20.6	2.485	3.300	12.0	21.8
367464 2009 BW_{172}			7 24.8 23.°76		1.°7/24.0 17	
6 20	20 42.20	−20 14.9	1.160	2.053	18.1	20.3
6 30	20 38.20	−20 59.4	1.104	2.057	13.5	20.1
7 10	20 31.12	−21 53.6	1.067	2.061	8.3	19.8
7 20	20 21.85	−22 50.9	1.052	2.066	2.9	19.5
7 30	20 11.82	−23 43.4	1.061	2.071	3.9	19.6
8 9	20 2.68	−24 24.7	1.092	2.077	9.3	19.9
8 19	19 55.82	−24 51.7	1.146	2.083	14.2	20.2
8 29	19 52.20	−25 4.0	1.218	2.090	18.4	20.5
13554 Decleir			7 24.8 2.°31		2.°2/23.8 18	
6 20	20 40.02	−23 4.1	1.425	2.314	15.6	17.4
6 30	20 36.14	−23 32.1	1.362	2.312	11.7	17.2
7 10	20 29.65	−24 4.5	1.320	2.312	7.2	17.0
7 20	20 21.33	−24 36.1	1.300	2.313	2.9	16.7
7 30	20 12.38	−25 1.7	1.305	2.314	3.8	16.8
8 9	20 4.16	−25 17.2	1.335	2.316	8.3	17.0
8 19	19 57.81	−25 21.2	1.387	2.319	12.6	17.3
8 29	19 54.18	−25 13.9	1.460	2.324	16.3	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504935 2011 CF_{54}			7 24.8 246.°57		0.°5/24.5 17	
	h m	° ′			°	m
6 20	20 44.39	−19 29.9	1.773	2.638	14.2	22.8
6 30	20 39.09	−19 51.9	1.688	2.626	10.7	22.5
7 10	20 31.40	−20 20.6	1.625	2.613	6.6	22.2
7 20	20 21.93	−20 52.5	1.586	2.600	2.2	21.9
7 30	20 11.69	−21 23.2	1.575	2.586	2.6	21.9
8 9	20 1.87	−21 48.7	1.591	2.572	7.2	22.2
8 19	19 53.57	−22 6.7	1.631	2.558	11.4	22.4
8 29	19 47.70	−22 16.2	1.694	2.543	15.1	22.6
500097 2012 BX_{21}			7 24.8 209.°78		1.°5/25.6 17	
6 20	20 43.95	−13 3.9	1.654	2.509	15.5	22.0
6 30	20 38.80	−13 35.9	1.574	2.504	11.9	21.8
7 10	20 31.23	−14 21.9	1.516	2.499	7.7	21.5
7 20	20 21.88	−15 18.9	1.483	2.494	3.2	21.3
7 30	20 11.75	−16 21.6	1.476	2.488	2.7	21.2
8 9	20 2.08	−17 24.5	1.496	2.481	7.2	21.5
8 19	19 53.99	−18 22.5	1.542	2.474	11.6	21.7
8 29	19 48.36	−19 12.4	1.609	2.466	15.4	21.9
469963 2006 DZ_{56}			7 24.8 57.°69		2.°6/25.7 17	
6 20	20 46.42	−14 51.6	1.562	2.421	16.1	20.1
6 30	20 40.24	−14 14.7	1.512	2.443	12.2	19.9
7 10	20 31.80	−13 46.4	1.484	2.465	7.9	19.7
7 20	20 21.94	−13 25.9	1.480	2.488	3.7	19.5
7 30	20 11.82	−13 12.1	1.502	2.511	3.3	19.5
8 9	20 2.63	−13 3.1	1.550	2.534	7.1	19.8
8 19	19 55.29	−12 57.2	1.623	2.557	11.0	20.1
8 29	19 50.47	−12 52.9	1.718	2.580	14.4	20.3
336256 2008 ST_{149}			7 24.8 264.°43		0.°9/25.2 18	
6 20	20 42.99	−16 38.9	1.904	2.761	13.7	21.4
6 30	20 37.88	−16 42.4	1.812	2.745	10.4	21.1
7 10	20 30.57	−16 53.5	1.743	2.729	6.6	20.9
7 20	20 21.65	−17 9.9	1.700	2.712	2.5	20.6
7 30	20 12.00	−17 28.7	1.683	2.695	2.3	20.5
8 9	20 2.71	−17 47.0	1.694	2.678	6.6	20.8
8 19	19 54.78	−18 2.4	1.730	2.660	10.7	21.0
8 29	19 49.03	−18 13.4	1.788	2.642	14.3	21.2
204028 2003 US_{88}			7 24.8 326.°20		4.°6/21.6 18	
6 20	20 39.59	−25 17.1	1.545	2.432	14.7	19.2
6 30	20 35.99	−26 57.7	1.471	2.420	11.1	18.9
7 10	20 29.73	−28 45.7	1.419	2.409	7.3	18.7
7 20	20 21.44	−30 32.3	1.393	2.398	4.7	18.5
7 30	20 12.19	−32 7.7	1.391	2.387	6.2	18.6
8 9	20 3.36	−33 24.3	1.415	2.377	10.0	18.8
8 19	19 56.23	−34 18.3	1.462	2.368	13.9	19.0
8 29	19 51.85	−34 49.5	1.528	2.359	17.4	19.2
213563 2002 LM_{39}			7 24.8 49.°86		0.°2/24.7 17	
6 20	20 41.86	−15 5.9	1.171	2.055	18.6	20.0
6 30	20 37.68	−16 13.7	1.126	2.073	13.9	19.7
7 10	20 30.64	−17 37.6	1.100	2.091	8.5	19.5
7 20	20 21.66	−19 9.9	1.096	2.110	2.8	19.2
7 30	20 12.11	−20 41.3	1.117	2.129	3.0	19.3
8 9	20 3.53	−22 3.1	1.162	2.149	8.5	19.7
8 19	19 57.14	−23 9.7	1.230	2.168	13.3	20.0
8 29	19 53.77	−23 58.9	1.317	2.189	17.3	20.3
137577 1999 VW_{125}			7 24.8 92.°80		1.°9/23.9 17	
6 20	20 46.35	−22 1.7	1.536	2.409	15.5	20.2
6 30	20 40.52	−22 40.9	1.483	2.426	11.5	20.0
7 10	20 32.16	−23 24.7	1.453	2.443	7.1	19.8
7 20	20 22.12	−24 7.5	1.447	2.459	2.7	19.5
7 30	20 11.63	−24 43.7	1.467	2.476	3.5	19.6
8 9	20 2.01	−25 9.5	1.514	2.492	7.9	19.9
8 19	19 54.35	−25 23.4	1.584	2.507	11.9	20.2
8 29	19 49.40	−25 25.9	1.676	2.523	15.4	20.5
25907 Capodilupo			7 24.8 292.°39		5.°4/26.8 18	R
6 20	20 41.92	− 8 9.2	1.401	2.255	17.8	18.2
6 30	20 37.67	− 7 38.3	1.319	2.241	14.3	18.0
7 10	20 30.74	− 7 23.8	1.255	2.227	10.3	17.7
7 20	20 21.78	− 7 26.5	1.214	2.213	6.6	17.4
7 30	20 11.88	− 7 45.8	1.196	2.199	5.7	17.4
8 9	20 2.41	− 8 18.2	1.203	2.185	8.9	17.5
8 19	19 54.65	− 8 58.9	1.232	2.171	13.3	17.7
8 29	19 49.63	− 9 42.8	1.281	2.157	17.4	17.9
523122 2016 SD_{53}			7 24.8 248.°99		2.°7/22.9 18	
6 20	20 41.06	−24 9.8	2.070	2.939	12.2	21.7
6 30	20 36.31	−25 8.4	1.995	2.936	9.1	21.5
7 10	20 29.53	−26 10.7	1.944	2.932	5.8	21.2
7 20	20 21.31	−27 11.6	1.919	2.928	2.9	21.0
7 30	20 12.48	−28 5.9	1.922	2.924	3.9	21.1
8 9	20 4.07	−28 49.2	1.951	2.920	7.2	21.3
8 19	19 56.98	−29 19.7	2.006	2.916	10.5	21.5
8 29	19 51.95	−29 37.0	2.084	2.912	13.5	21.7

295647 2008 SC_{293} 7 24.8 262°28 2°5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.76	−22 5.1	1.805	2.678	13.6	20.1
6 30	20 37.16	−23 16.9	1.727	2.670	10.2	19.9
7 10	20 30.23	−24 36.1	1.672	2.662	6.3	19.6
7 20	20 21.58	−25 56.6	1.643	2.654	2.9	19.4
7 30	20 12.16	−27 11.5	1.641	2.645	4.0	19.5
8 9	20 3.12	−28 14.8	1.665	2.637	7.9	19.7
8 19	19 55.57	−29 3.1	1.715	2.629	11.7	19.9
8 29	19 50.36	−29 35.6	1.785	2.620	15.1	20.1

503441 2016 ET_{87} 7 24.8 11°32 1°8/23.8 17

6 20	20 40.30	−19 2.6	1.181	2.075	17.8	20.2
6 30	20 36.81	−20 10.2	1.123	2.076	13.3	19.9
7 10	20 30.32	−21 30.9	1.083	2.077	8.2	19.6
7 20	20 21.64	−22 56.9	1.066	2.080	2.9	19.3
7 30	20 12.13	−24 18.7	1.073	2.083	4.0	19.4
8 9	20 3.38	−25 28.0	1.103	2.086	9.3	19.7
8 19	19 56.80	−26 19.8	1.155	2.091	14.3	20.0
8 29	19 53.36	−26 53.0	1.226	2.096	18.4	20.3

106565 2000 WE_{86} 7 24.8 130°77 3°5/26.6 18

6 20	20 44.09	− 9 36.8	2.158	2.987	13.3	20.1
6 30	20 38.13	− 9 14.0	2.090	2.999	10.4	19.9
7 10	20 30.42	− 9 1.3	2.044	3.011	7.2	19.8
7 20	20 21.54	− 8 58.6	2.024	3.023	4.3	19.6
7 30	20 12.30	− 9 4.5	2.032	3.034	3.7	19.6
8 9	20 3.59	− 9 17.0	2.068	3.045	6.2	19.8
8 19	19 56.16	− 9 33.7	2.130	3.055	9.2	20.0
8 29	19 50.62	− 9 52.2	2.217	3.065	12.1	20.2

145252 2005 JO_{117} 7 24.8 165°80 3°1/26.4 18

6 20	20 42.78	−10 2.3	1.648	2.496	15.9	20.3
6 30	20 37.81	−10 13.9	1.576	2.498	12.3	20.1
7 10	20 30.55	−10 40.8	1.524	2.500	8.3	19.9
7 20	20 21.66	−11 21.1	1.497	2.502	4.4	19.7
7 30	20 12.15	−12 11.1	1.495	2.504	3.6	19.6
8 9	20 3.17	−13 5.8	1.520	2.505	7.1	19.8
8 19	19 55.76	−14 0.5	1.570	2.505	11.2	20.1
8 29	19 50.72	−14 51.1	1.642	2.506	14.8	20.3

20035 1992 SA_{4} 7 24.8 146°67 2°4/26.1 18

6 20	20 43.16	−11 23.3	1.603	2.457	16.0	18.4
6 30	20 38.14	−11 46.2	1.534	2.461	12.3	18.2
7 10	20 30.77	−12 24.1	1.486	2.466	8.1	18.0
7 20	20 21.74	−13 14.2	1.462	2.470	3.8	17.7
7 30	20 12.08	−14 11.9	1.464	2.474	3.1	17.7
8 9	20 3.00	−15 11.8	1.492	2.477	7.1	18.0
8 19	19 55.56	−16 8.9	1.545	2.480	11.3	18.2
8 29	19 50.56	−16 59.5	1.620	2.483	15.0	18.5

439532 2014 CW_{2} 7 24.8 187°05 4°8/28.8 18

6 20	20 39.98	− 1 6.7	2.131	2.932	14.4	20.9
6 30	20 35.29	− 1 47.6	2.047	2.932	11.7	20.7
7 10	20 28.82	− 2 48.9	1.983	2.931	8.7	20.5
7 20	20 21.07	− 4 9.4	1.945	2.931	6.0	20.3
7 30	20 12.79	− 5 45.5	1.935	2.930	4.9	20.3
8 9	20 4.84	− 7 31.5	1.952	2.928	6.6	20.4
8 19	19 58.00	− 9 20.9	1.998	2.927	9.5	20.6
8 29	19 52.97	−11 7.4	2.069	2.925	12.5	20.8

203993 2003 SF_{323} 7 24.8 205°20 1°2/25.4 18

6 20	20 42.19	−15 37.8	1.918	2.774	13.6	21.0
6 30	20 37.11	−15 43.3	1.842	2.773	10.3	20.8
7 10	20 30.00	−15 57.0	1.788	2.772	6.6	20.6
7 20	20 21.46	−16 16.7	1.759	2.770	2.6	20.3
7 30	20 12.39	−16 39.6	1.757	2.769	2.3	20.3
8 9	20 3.80	−17 2.5	1.783	2.767	6.3	20.6
8 19	19 56.59	−17 23.0	1.834	2.765	10.1	20.8
8 29	19 51.49	−17 39.4	1.908	2.763	13.4	21.0

295624 2008 SC_{225} 7 24.8 159°54 1°9/25.8 17

6 20	20 42.21	−13 6.0	2.089	2.934	13.1	22.2
6 30	20 36.92	−13 14.1	2.015	2.939	10.0	22.0
7 10	20 29.78	−13 31.7	1.964	2.943	6.5	21.8
7 20	20 21.37	−13 57.0	1.938	2.946	3.0	21.6
7 30	20 12.51	−14 27.2	1.940	2.950	2.5	21.6
8 9	20 4.10	−14 59.2	1.969	2.952	5.9	21.8
8 19	19 56.95	−15 30.2	2.025	2.955	9.4	22.0
8 29	19 51.74	−15 57.9	2.105	2.957	12.5	22.2

149058 2002 CU_{32} 7 24.8 105°80 4°4/22.4 18

6 20	20 45.06	−32 38.9	2.259	3.120	11.7	19.7
6 30	20 39.06	−33 7.6	2.195	3.125	9.0	19.5
7 10	20 31.08	−33 31.7	2.155	3.131	6.3	19.3
7 20	20 21.79	−33 46.5	2.140	3.136	4.5	19.2
7 30	20 12.11	−33 48.8	2.154	3.141	5.2	19.3
8 9	20 3.07	−33 37.1	2.194	3.146	7.6	19.4
8 19	19 55.52	−33 12.1	2.259	3.151	10.3	19.6
8 29	19 50.10	−32 36.2	2.348	3.156	12.8	19.8

431714 2008 ED_{131} 7 24.8 291°17 1°2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.58	−14 20.6	1.489	2.356	16.3	20.6
6 30	20 38.44	−14 48.1	1.385	2.323	12.6	20.3
7 10	20 31.47	−15 31.2	1.302	2.289	8.2	19.9
7 20	20 22.15	−16 27.4	1.243	2.254	3.2	19.6
7 30	20 11.49	−17 31.7	1.208	2.220	2.9	19.4
8 9	20 0.88	−18 37.6	1.199	2.185	8.3	19.7
8 19	19 51.78	−19 39.0	1.213	2.149	13.6	19.9
8 29	19 45.45	−20 31.5	1.247	2.114	18.4	20.1

131093 2000 YV_{142} 7 24.8 227°63 11°3/ 2.3 18

6 20	20 40.75	+17 28.3	2.513	3.176	15.7	20.5
6 30	20 35.77	+18 18.1	2.420	3.164	14.4	20.3
7 10	20 29.10	+18 45.6	2.344	3.150	13.1	20.2
7 20	20 21.19	+18 46.9	2.288	3.137	12.0	20.1
7 30	20 12.70	+18 20.2	2.254	3.122	11.4	20.0
8 9	20 4.42	+17 26.3	2.242	3.107	11.5	20.0
8 19	19 57.10	+16 8.5	2.254	3.091	12.4	20.1
8 29	19 51.40	+14 32.7	2.287	3.075	13.7	20.1

66856 1999 VW_{22} 7 24.8 30°52 1°2/25.6 18

6 20	20 39.91	−12 2.9	1.768	2.623	14.6	18.4
6 30	20 35.62	−13 1.6	1.694	2.624	11.2	18.1
7 10	20 29.20	−14 15.9	1.642	2.625	7.1	17.9
7 20	20 21.24	−15 41.5	1.615	2.626	2.9	17.6
7 30	20 12.66	−17 12.4	1.615	2.627	2.4	17.6
8 9	20 4.51	−18 41.9	1.643	2.628	6.6	17.9
8 19	19 57.76	−20 4.1	1.697	2.630	10.7	18.1
8 29	19 53.19	−21 15.1	1.773	2.631	14.2	18.3

424555 2008 FP_{20} 7 24.8 336°42 6°2/28.4 18

6 20	20 39.43	− 2 49.6	1.490	2.324	17.9	20.8
6 30	20 35.55	− 2 53.4	1.416	2.322	14.6	20.6
7 10	20 29.29	− 3 20.8	1.361	2.319	10.9	20.4
7 20	20 21.32	− 4 11.9	1.328	2.317	7.5	20.2
7 30	20 12.62	− 5 23.7	1.318	2.315	6.3	20.1
8 9	20 4.42	− 6 50.1	1.334	2.313	8.5	20.2
8 19	19 57.79	− 8 23.3	1.373	2.312	12.2	20.4
8 29	19 53.61	− 9 55.7	1.434	2.311	15.8	20.7

266275 2007 AS_{22} 7 24.8 151°98 1°2/25.4 17

6 20	20 44.14	−14 53.3	1.936	2.787	13.8	21.4
6 30	20 38.50	−15 8.4	1.866	2.794	10.4	21.1
7 10	20 30.82	−15 32.5	1.818	2.801	6.6	20.9
7 20	20 21.75	−16 3.1	1.796	2.807	2.6	20.7
7 30	20 12.20	−16 36.7	1.802	2.813	2.3	20.7
8 9	20 3.18	−17 9.8	1.835	2.818	6.2	20.9
8 19	19 55.58	−17 39.7	1.894	2.823	10.0	21.2
8 29	19 50.12	−18 4.4	1.976	2.827	13.2	21.4

105840 2000 SK_{155} 7 24.8 170°07 1°4/25.9 18

6 20	20 39.12	−12 58.1	2.966	3.799	9.9	20.1
6 30	20 34.16	−13 15.0	2.885	3.803	7.6	19.9
7 10	20 27.90	−13 39.1	2.829	3.806	4.9	19.8
7 20	20 20.75	−14 8.7	2.801	3.809	2.2	19.6
7 30	20 13.28	−14 41.7	2.802	3.811	1.9	19.6
8 9	20 6.10	−15 15.8	2.832	3.813	4.4	19.8
8 19	19 59.77	−15 48.9	2.890	3.815	7.1	19.9
8 29	19 54.77	−16 19.2	2.973	3.816	9.5	20.1

102242 1999 TE_{25} 7 24.8 251°06 3°6/26.5 18

6 20	20 43.07	−10 6.1	1.654	2.502	15.8	20.0
6 30	20 38.18	− 9 58.2	1.569	2.491	12.5	19.8
7 10	20 30.91	−10 4.2	1.505	2.479	8.6	19.5
7 20	20 21.86	−10 23.6	1.464	2.468	4.8	19.3
7 30	20 12.02	−10 54.0	1.449	2.456	4.0	19.2
8 9	20 2.59	−11 31.6	1.461	2.444	7.5	19.4
8 19	19 54.67	−12 12.4	1.496	2.431	11.7	19.6
8 29	19 49.15	−12 52.4	1.554	2.419	15.5	19.8

185806 1999 VF_{197} 7 24.8 327°33 2°1/23.5 18

6 20	20 37.73	−21 53.9	1.727	2.609	13.7	19.3
6 30	20 34.28	−22 46.4	1.642	2.589	10.3	19.0
7 10	20 28.55	−23 46.4	1.579	2.570	6.4	18.7
7 20	20 21.10	−24 48.7	1.540	2.552	2.7	18.5
7 30	20 12.84	−25 47.3	1.527	2.534	3.7	18.5
8 9	20 4.93	−26 36.8	1.540	2.517	7.8	18.7
8 19	19 58.45	−27 13.7	1.576	2.501	11.9	18.9
8 29	19 54.29	−27 36.7	1.634	2.486	15.5	19.1

334032 2000 YL_{108} 7 24.8 174°10 2°7/22.9 18

6 20	20 43.28	−24 14.0	2.121	2.986	12.2	20.5
6 30	20 37.92	−25 18.8	2.050	2.988	9.1	20.3
7 10	20 30.53	−26 27.2	2.003	2.990	5.7	20.1
7 20	20 21.69	−27 33.6	1.983	2.991	3.0	20.0
7 30	20 12.27	−28 32.7	1.990	2.992	3.9	20.0
8 9	20 3.29	−29 20.1	2.026	2.992	7.1	20.2
8 19	19 55.64	−29 53.9	2.087	2.992	10.4	20.4
8 29	19 50.08	−30 14.1	2.171	2.992	13.3	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359478 2010 OE_{17}			7 24.8	13°.62	1°.5/25.9	18
	h m	° ′			°	m
6 20	20 38.00	−12 24.5	2.062	2.913	13.0	20.7
6 30	20 33.89	−12 59.0	1.987	2.915	9.9	20.5
7 10	20 27.98	−13 45.2	1.935	2.916	6.4	20.2
7 20	20 20.84	−14 40.4	1.908	2.917	2.8	20.0
7 30	20 13.20	−15 40.8	1.908	2.919	2.3	20.0
8 9	20 5.96	−16 41.7	1.936	2.921	5.8	20.2
8 19	19 59.90	−17 39.4	1.990	2.923	9.3	20.4
8 29	19 55.67	−18 30.6	2.067	2.925	12.4	20.6
434729 2006 ED_{13}			7 24.8	51°.98	1°.7/24.0	16
6 20	20 43.39	−22 28.7	1.644	2.519	14.6	21.3
6 30	20 38.29	−22 52.2	1.583	2.526	10.9	21.1
7 10	20 30.84	−23 19.5	1.543	2.534	6.7	20.9
7 20	20 21.78	−23 46.1	1.529	2.541	2.5	20.6
7 30	20 12.22	−24 7.6	1.540	2.549	3.2	20.7
8 9	20 3.38	−24 20.8	1.577	2.557	7.4	21.0
8 19	19 56.28	−24 24.4	1.638	2.565	11.4	21.2
8 29	19 51.67	−24 18.8	1.721	2.573	14.8	21.5
444631 2006 WL_{51}			7 24.8	45°.33	3°.9/26.8	18
6 20	20 40.48	− 8 59.0	2.017	2.854	13.8	20.8
6 30	20 35.66	− 8 34.3	1.945	2.858	10.9	20.6
7 10	20 29.03	− 8 20.9	1.895	2.863	7.7	20.4
7 20	20 21.16	− 8 18.9	1.870	2.868	4.8	20.3
7 30	20 12.88	− 8 27.1	1.871	2.873	4.1	20.2
8 9	20 5.06	− 8 43.2	1.899	2.878	6.5	20.4
8 19	19 58.51	− 9 4.5	1.953	2.883	9.6	20.6
8 29	19 53.86	− 9 28.0	2.030	2.889	12.6	20.8
516252 2016 UY_{104}			7 24.8	260°.84	0°.9/24.2	18
6 20	20 41.57	−20 54.9	2.181	3.042	12.0	22.4
6 30	20 36.61	−21 19.5	2.093	3.029	9.0	22.2
7 10	20 29.72	−21 48.6	2.028	3.016	5.6	22.0
7 20	20 21.43	−22 19.1	1.989	3.002	1.9	21.7
7 30	20 12.54	−22 47.3	1.979	2.988	2.5	21.7
8 9	20 3.99	−23 10.2	1.995	2.974	6.2	21.9
8 19	19 56.65	−23 25.9	2.038	2.960	9.8	22.1
8 29	19 51.25	−23 33.7	2.104	2.946	12.9	22.3
307651 2003 SR_{180}			7 24.8	3°.21	6°.2/23.2	16
6 20	20 45.39	−33 8.4	1.253	2.144	17.1	19.7
6 30	20 40.62	−33 20.6	1.196	2.143	13.3	19.4
7 10	20 32.61	−33 24.6	1.159	2.143	9.3	19.2
7 20	20 22.40	−33 13.4	1.143	2.144	6.4	19.0
7 30	20 11.60	−32 42.3	1.150	2.146	7.2	19.1
8 9	20 1.95	−31 51.2	1.181	2.150	10.7	19.3
8 19	19 54.82	−30 43.6	1.233	2.155	14.7	19.5
8 29	19 51.07	−29 25.0	1.304	2.161	18.3	19.8
509485 2007 TW_{196}			7 24.8	355°.94	1°.8/24.1	17
6 20	20 42.50	−23 33.4	1.482	2.365	15.4	20.6
6 30	20 37.95	−23 41.5	1.415	2.362	11.6	20.3
7 10	20 30.79	−23 52.1	1.369	2.360	7.2	20.1
7 20	20 21.80	−24 1.0	1.346	2.358	2.8	19.8
7 30	20 12.19	−24 4.1	1.348	2.357	3.5	19.8
8 9	20 3.31	−23 58.9	1.375	2.357	8.0	20.1
8 19	19 56.32	−23 44.7	1.426	2.358	12.3	20.4
8 29	19 52.05	−23 22.4	1.497	2.359	16.1	20.6
270879 2002 TH_{187}			7 24.8	316°.10	3°.8/23.5	18
6 20	20 43.87	−26 41.5	1.258	2.150	17.0	20.3
6 30	20 39.79	−27 0.1	1.177	2.128	13.0	20.0
7 10	20 32.41	−27 19.4	1.115	2.107	8.4	19.6
7 20	20 22.47	−27 33.1	1.076	2.086	4.3	19.3
7 30	20 11.37	−27 34.8	1.059	2.065	5.3	19.3
8 9	20 0.87	−27 20.8	1.066	2.046	10.2	19.5
8 19	19 52.59	−26 51.1	1.094	2.027	15.2	19.8
8 29	19 47.73	−26 8.2	1.141	2.009	19.7	20.0
233666 2008 RK_{23}			7 24.8	276°.24	8°.6/20.5	18
6 20	20 50.63	−40 33.6	1.839	2.694	14.2	19.9
6 30	20 44.28	−41 31.1	1.761	2.676	11.7	19.7
7 10	20 34.87	−42 18.8	1.705	2.658	9.6	19.5
7 20	20 23.21	−42 48.4	1.673	2.639	8.6	19.4
7 30	20 10.64	−42 52.9	1.665	2.620	9.4	19.4
8 9	19 58.76	−42 30.0	1.682	2.601	11.7	19.5
8 19	19 49.01	−41 41.9	1.721	2.582	14.5	19.7
8 29	19 42.40	−40 33.9	1.780	2.563	17.2	19.8
349222 2007 TW_{4}			7 24.8	311°.07	1°.9/25.7	18
6 20	20 39.84	−13 43.8	1.708	2.570	14.8	21.4
6 30	20 35.70	−13 51.5	1.625	2.559	11.3	21.2
7 10	20 29.34	−14 10.6	1.564	2.547	7.4	20.9
7 20	20 21.35	−14 39.2	1.526	2.536	3.3	20.7
7 30	20 12.66	−15 14.1	1.515	2.526	2.7	20.6
8 9	20 4.38	−15 51.2	1.529	2.515	6.9	20.8
8 19	19 57.52	−16 26.9	1.568	2.505	11.1	21.1
8 29	19 52.94	−16 58.1	1.628	2.495	14.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
435692 2008 TJ_{114}			7 24.8	318°.80	4°.8/27.3	16
	h m	° ′			°	m
6 20	20 38.72	− 7 8.8	1.561	2.410	16.5	21.0
6 30	20 35.02	− 7 2.9	1.480	2.399	13.2	20.7
7 10	20 28.99	− 7 14.9	1.418	2.388	9.5	20.5
7 20	20 21.26	− 7 44.7	1.378	2.377	6.0	20.2
7 30	20 12.76	− 8 30.0	1.363	2.367	5.0	20.2
8 9	20 4.67	− 9 26.4	1.373	2.357	7.9	20.3
8 19	19 58.06	−10 28.2	1.407	2.347	11.8	20.5
8 29	19 53.82	−11 29.8	1.462	2.338	15.6	20.7
18156 Kamisaibara			7 24.8	163°.85	2°.1/23.7	18
6 20	20 43.45	−25 29.2	2.211	3.075	11.8	17.5
6 30	20 37.87	−25 42.9	2.138	3.075	8.8	17.3
7 10	20 30.39	−25 56.6	2.089	3.076	5.5	17.1
7 20	20 21.63	−26 7.0	2.067	3.077	2.5	16.9
7 30	20 12.45	−26 11.2	2.072	3.077	3.2	16.9
8 9	20 3.79	−26 7.4	2.104	3.078	6.4	17.1
8 19	19 56.48	−25 55.2	2.163	3.078	9.6	17.3
8 29	19 51.17	−25 35.4	2.245	3.079	12.5	17.5
248563 2005 YE_{211}			7 24.8	161°.26	4°.1/22.8	18
6 20	20 48.88	−31 18.6	2.213	3.069	12.1	20.9
6 30	20 41.94	−31 44.8	2.145	3.075	9.2	20.7
7 10	20 32.89	−32 6.8	2.102	3.080	6.3	20.5
7 20	20 22.45	−32 20.0	2.086	3.085	4.2	20.4
7 30	20 11.59	−32 20.8	2.097	3.089	4.9	20.5
8 9	20 1.40	−32 8.0	2.136	3.093	7.5	20.6
8 19	19 52.80	−31 42.2	2.202	3.096	10.4	20.8
8 29	19 46.47	−31 5.9	2.290	3.098	13.0	21.0
439396 2013 AY_{165}			7 24.8	326°.58	5°.8/27.6	18
6 20	20 40.16	− 4 31.0	1.961	2.783	14.7	20.7
6 30	20 35.55	− 3 52.0	1.882	2.779	12.0	20.5
7 10	20 29.05	− 3 27.3	1.824	2.776	9.1	20.3
7 20	20 21.22	− 3 18.0	1.789	2.773	6.6	20.2
7 30	20 12.87	− 3 23.9	1.781	2.770	5.9	20.1
8 9	20 4.92	− 3 43.1	1.798	2.767	7.7	20.2
8 19	19 58.22	− 4 12.4	1.840	2.764	10.5	20.4
8 29	19 53.45	− 4 47.7	1.905	2.762	13.4	20.6
379732 2011 GY_{54}			7 24.8	162°.62	1°.3/23.9	18
6 20	20 42.85	−18 59.2	1.893	2.756	13.5	20.9
6 30	20 37.76	−20 7.5	1.822	2.759	10.1	20.7
7 10	20 30.52	−21 24.5	1.774	2.762	6.1	20.4
7 20	20 21.73	−22 44.8	1.752	2.765	2.2	20.2
7 30	20 12.32	−24 2.1	1.758	2.767	3.0	20.2
8 9	20 3.36	−25 10.6	1.792	2.769	7.0	20.5
8 19	19 55.82	−26 6.9	1.852	2.771	10.8	20.7
8 29	19 50.50	−26 49.4	1.935	2.772	14.0	20.9
384000 2008 UJ_{13}			7 24.8	232°.97	5°.8/28.2	18
6 20	20 40.77	− 2 30.8	2.083	2.890	14.4	21.3
6 30	20 35.99	− 2 14.5	1.994	2.881	11.9	21.1
7 10	20 29.33	− 2 14.4	1.926	2.872	9.1	20.9
7 20	20 21.33	− 2 31.3	1.882	2.862	6.6	20.8
7 30	20 12.74	− 3 4.3	1.864	2.852	5.8	20.7
8 9	20 4.45	− 3 50.5	1.873	2.841	7.5	20.8
8 19	19 57.30	− 4 45.9	1.907	2.831	10.2	20.9
8 29	19 52.00	− 5 45.8	1.965	2.819	13.1	21.1
174763 2003 WY_{9}			7 24.8	151°.38	1°.5/24.2	18
6 20	20 47.43	−22 41.6	1.565	2.437	15.4	20.5
6 30	20 41.48	−22 52.1	1.499	2.440	11.5	20.2
7 10	20 32.91	−23 5.7	1.453	2.442	7.1	20.0
7 20	20 22.52	−23 18.0	1.432	2.445	2.6	19.7
7 30	20 11.53	−23 25.0	1.438	2.447	3.2	19.8
8 9	20 1.31	−23 23.9	1.469	2.449	7.8	20.0
8 19	19 53.02	−23 14.3	1.525	2.451	12.1	20.3
8 29	19 47.49	−22 56.8	1.602	2.453	15.8	20.5
436796 2012 QF_{14}			7 24.8	273°.67	0°.8/25.3	18
6 20	20 40.44	−13 49.9	1.889	2.744	13.8	21.2
6 30	20 36.09	−14 39.9	1.796	2.728	10.6	20.9
7 10	20 29.60	−15 43.7	1.727	2.711	6.7	20.7
7 20	20 21.48	−16 57.8	1.682	2.694	2.5	20.4
7 30	20 12.56	−18 17.0	1.665	2.677	2.3	20.3
8 9	20 3.90	−19 35.3	1.676	2.660	6.6	20.5
8 19	19 56.49	−20 47.4	1.712	2.643	10.7	20.8
8 29	19 51.19	−21 49.8	1.772	2.625	14.4	20.9
123203 2000 UV_{27}			7 24.8	264°.88	1°.6/25.4	18
6 20	20 44.85	−15 54.2	1.893	2.746	13.9	20.0
6 30	20 39.33	−15 37.6	1.799	2.728	10.7	19.7
7 10	20 31.56	−15 27.5	1.727	2.710	6.9	19.5
7 20	20 22.12	−15 22.7	1.681	2.691	2.9	19.2
7 30	20 11.92	−15 21.3	1.662	2.672	2.6	19.1
8 9	20 2.08	−15 21.3	1.670	2.653	6.7	19.3
8 19	19 53.63	−15 21.2	1.703	2.633	10.8	19.5
8 29	19 47.41	−15 19.6	1.760	2.613	14.4	19.7

504841 2010 RM_{129} 7 24.8 300°.21 5°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 44.91	−29 5.9	1.308	2.198	16.7	21.2
6 30	20 40.73	−30 3.7	1.224	2.173	12.9	20.9
7 10	20 33.14	−31 3.6	1.160	2.147	8.9	20.6
7 20	20 22.80	−31 56.8	1.119	2.122	6.0	20.3
7 30	20 11.09	−32 33.8	1.101	2.097	7.3	20.3
8 9	19 59.83	−32 48.4	1.105	2.072	11.6	20.5
8 19	19 50.77	−32 39.3	1.131	2.048	16.2	20.7
8 29	19 45.23	−32 9.4	1.175	2.024	20.5	20.9

29213 1991 SJ 7 24.8 64°.76 1°.4/25.5 18

6 20	20 43.56	−13 40.9	1.198	2.075	18.7	17.6
6 30	20 38.99	−14 15.5	1.146	2.088	14.2	17.4
7 10	20 31.54	−15 6.6	1.113	2.101	9.0	17.1
7 20	20 22.10	−16 9.3	1.102	2.114	3.5	16.9
7 30	20 12.04	−17 16.6	1.115	2.127	3.0	16.9
8 9	20 2.90	−18 20.9	1.153	2.141	8.3	17.2
8 19	19 55.92	−19 16.8	1.213	2.154	13.2	17.6
8 29	19 51.99	−20 1.1	1.293	2.168	17.3	17.8

371597 2006 WE_{118} 7 24.8 262°.74 0°.6/25.1 18

6 20	20 44.43	−16 58.7	1.735	2.596	14.6	21.7
6 30	20 39.28	−17 9.9	1.643	2.577	11.2	21.4
7 10	20 31.68	−17 29.7	1.572	2.558	7.1	21.1
7 20	20 22.20	−17 55.5	1.526	2.538	2.5	20.8
7 30	20 11.84	−18 23.5	1.506	2.518	2.5	20.8
8 9	20 1.80	−18 50.0	1.513	2.497	7.2	21.0
8 19	19 53.25	−19 11.9	1.545	2.476	11.7	21.2
8 29	19 47.13	−19 27.7	1.599	2.454	15.6	21.4

24208 Stelguerrero 7 24.8 146°.59 0°.8/25.3 18

6 20	20 42.48	−15 57.2	2.178	3.028	12.5	19.1
6 30	20 37.09	−16 13.4	2.107	3.036	9.4	19.0
7 10	20 29.92	−16 37.0	2.059	3.042	5.9	18.8
7 20	20 21.52	−17 5.4	2.037	3.049	2.2	18.5
7 30	20 12.71	−17 35.7	2.043	3.055	2.0	18.5
8 9	20 4.36	−18 4.8	2.078	3.061	5.7	18.8
8 19	19 57.26	−18 30.3	2.139	3.066	9.1	19.0
8 29	19 52.04	−18 50.9	2.223	3.071	12.1	19.2

374249 2005 GZ_{177} 7 24.8 2°.57 0°.8/25.1 17

6 20	20 37.96	−17 21.2	1.021	1.923	19.2	20.4
6 30	20 35.32	−17 23.6	0.964	1.920	14.6	20.2
7 10	20 29.55	−17 38.1	0.926	1.920	9.2	19.9
7 20	20 21.53	−18 1.3	0.907	1.920	3.2	19.5
7 30	20 12.71	−18 27.9	0.910	1.923	3.1	19.5
8 9	20 4.79	−18 52.6	0.934	1.926	9.0	19.9
8 19	19 59.16	−19 11.4	0.979	1.931	14.4	20.2
8 29	19 56.81	−19 22.0	1.043	1.938	18.9	20.5

434672 2006 AD_{37} 7 24.8 246°.59 1°.0/24.3 17

6 20	20 42.87	−19 43.4	1.907	2.771	13.4	21.8
6 30	20 37.89	−20 22.6	1.821	2.759	10.0	21.6
7 10	20 30.69	−21 9.1	1.759	2.747	6.2	21.3
7 20	20 21.86	−21 58.8	1.722	2.735	2.1	21.0
7 30	20 12.30	−22 46.7	1.713	2.723	2.7	21.0
8 9	20 3.11	−23 28.5	1.730	2.710	6.9	21.3
8 19	19 55.29	−24 1.1	1.773	2.697	10.9	21.5
8 29	19 49.70	−24 23.5	1.839	2.683	14.3	21.7

207282 2005 GO_5 7 24.8 119°.93 1°.5/25.7 18

6 20	20 40.36	−13 36.1	1.957	2.811	13.5	20.8
6 30	20 35.75	−13 56.0	1.883	2.812	10.3	20.6
7 10	20 29.22	−14 26.5	1.830	2.812	6.6	20.4
7 20	20 21.33	−15 5.2	1.803	2.813	2.8	20.1
7 30	20 12.93	−15 48.4	1.803	2.814	2.3	20.1
8 9	20 4.97	−16 32.4	1.830	2.815	6.1	20.3
8 19	19 58.31	−17 13.6	1.883	2.815	9.8	20.6
8 29	19 53.63	−17 49.5	1.958	2.816	13.0	20.8

33500 1999 GV_{19} 7 24.8 51°.86 6°.5/28.9 18

6 20	20 39.55	− 1 24.5	1.538	2.364	17.9	18.0
6 30	20 35.46	− 1 31.8	1.476	2.375	14.6	17.8
7 10	20 29.16	− 2 3.0	1.432	2.385	11.0	17.7
7 20	20 21.33	− 2 57.8	1.410	2.396	7.8	17.5
7 30	20 12.96	− 4 12.7	1.413	2.407	6.5	17.5
8 9	20 5.20	− 5 41.3	1.441	2.418	8.3	17.6
8 19	19 59.00	− 7 16.0	1.493	2.429	11.6	17.8
8 29	19 55.12	− 8 49.5	1.567	2.441	14.9	18.0

91734 1999 TM_{166} 7 24.8 230°.40 4°.1/27.3 18 R

6 20	20 39.38	− 6 44.3	2.419	3.239	12.3	19.3
6 30	20 34.67	− 6 25.2	2.334	3.235	9.8	19.1
7 10	20 28.40	− 6 17.3	2.273	3.231	7.2	19.0
7 20	20 21.04	− 6 20.6	2.236	3.227	4.8	18.8
7 30	20 13.26	− 6 34.2	2.227	3.223	4.2	18.8
8 9	20 5.80	− 6 56.1	2.245	3.219	6.0	18.9
8 19	19 59.34	− 7 23.7	2.290	3.215	8.7	19.0
8 29	19 54.46	− 7 54.2	2.359	3.211	11.3	19.2

200269 1999 XO_{110} 7 24.8 273°.85 7°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.30	− 1 41.3	2.010	2.813	15.1	20.2
6 30	20 37.32	− 0 47.8	1.910	2.791	12.6	20.0
7 10	20 30.31	− 0 8.5	1.832	2.769	10.0	19.8
7 20	20 21.75	+ 0 14.0	1.777	2.747	7.9	19.6
7 30	20 12.44	+ 0 18.5	1.747	2.724	7.3	19.5
8 9	20 3.33	+ 0 5.8	1.744	2.701	8.8	19.6
8 19	19 55.36	− 0 21.4	1.765	2.678	11.5	19.7
8 29	19 49.35	− 0 58.8	1.808	2.655	14.4	19.8

368874 2006 QG_{161} 7 24.8 23°.05 4°.4/26.9 17

6 20	20 36.97	− 9 1.9	0.954	1.844	21.3	20.2
6 30	20 34.45	− 9 8.4	0.911	1.855	16.6	19.9
7 10	20 28.91	− 9 39.5	0.883	1.868	11.4	19.7
7 20	20 21.29	−10 32.6	0.875	1.882	6.2	19.5
7 30	20 13.07	−11 41.1	0.888	1.898	4.8	19.4
8 9	20 5.85	−12 56.2	0.923	1.915	9.0	19.7
8 19	20 0.92	−14 9.1	0.978	1.933	14.0	20.1
8 29	19 59.13	−15 13.4	1.051	1.952	18.3	20.4

69722 1998 HO_{127} 7 24.8 198°.33 4°.4/26.9 18

6 20	20 43.32	− 8 4.0	1.624	2.466	16.4	19.6
6 30	20 38.33	− 7 55.3	1.548	2.464	13.0	19.4
7 10	20 30.99	− 8 2.7	1.493	2.463	9.1	19.1
7 20	20 21.97	− 8 25.6	1.461	2.461	5.5	18.9
7 30	20 12.28	− 9 1.7	1.455	2.459	4.6	18.9
8 9	20 3.09	− 9 46.8	1.475	2.456	7.6	19.0
8 19	19 55.47	−10 36.1	1.519	2.453	11.5	19.3
8 29	19 50.26	−11 25.1	1.585	2.450	15.2	19.5

509508 2007 VQ_{48} 7 24.8 254°.54 0°.5/25.1 18

6 20	20 42.43	−17 52.0	1.993	2.852	13.1	21.8
6 30	20 37.31	−17 53.7	1.914	2.848	9.9	21.6
7 10	20 30.18	−18 1.4	1.858	2.844	6.2	21.4
7 20	20 21.67	−18 12.8	1.828	2.840	2.2	21.1
7 30	20 12.63	−18 25.1	1.825	2.836	2.1	21.1
8 9	20 4.05	−18 35.9	1.849	2.833	6.2	21.4
8 19	19 56.83	−18 43.5	1.899	2.829	9.9	21.6
8 29	19 51.66	−18 46.9	1.972	2.825	13.2	21.8

10723 1986 TH 7 24.8 291°.70 0°.7/24.6 18

6 20	20 45.47	−20 59.7	1.368	2.248	16.7	17.5
6 30	20 40.63	−21 1.0	1.286	2.232	12.7	17.2
7 10	20 32.78	−21 7.6	1.225	2.216	7.9	16.9
7 20	20 22.66	−21 15.6	1.187	2.200	2.7	16.6
7 30	20 11.53	−21 20.9	1.173	2.185	3.1	16.6
8 9	20 0.97	−21 19.9	1.184	2.169	8.6	16.8
8 19	19 52.39	−21 11.5	1.218	2.154	13.6	17.1
8 29	19 46.90	−20 55.7	1.272	2.139	18.0	17.3

173642 2001 FK_{150} 7 24.8 99°.41 2°.2/23.9 17

6 20	20 49.53	−24 31.6	1.584	2.454	15.3	20.2
6 30	20 42.86	−24 47.1	1.531	2.471	11.4	20.0
7 10	20 33.65	−25 3.7	1.500	2.488	7.1	19.8
7 20	20 22.79	−25 16.4	1.493	2.505	3.0	19.6
7 30	20 11.56	−25 21.1	1.513	2.521	3.7	19.7
8 9	20 1.28	−25 15.9	1.560	2.537	7.8	19.9
8 19	19 53.05	−25 1.0	1.631	2.552	11.8	20.2
8 29	19 47.58	−24 38.0	1.723	2.568	15.1	20.5

241673 2000 QG_{70} 7 24.8 272°.07 5°.5/28.9 18

6 20	20 42.57	+ 0 6.7	2.200	2.988	14.4	20.6
6 30	20 37.55	− 0 22.5	2.080	2.955	12.0	20.4
7 10	20 30.52	− 1 13.4	1.981	2.921	9.2	20.1
7 20	20 21.88	− 2 26.5	1.907	2.886	6.6	19.9
7 30	20 12.33	− 4 0.0	1.861	2.851	5.6	19.8
8 9	20 2.78	− 5 49.0	1.843	2.815	7.3	19.8
8 19	19 54.15	− 7 47.1	1.853	2.777	10.4	19.9
8 29	19 47.30	− 9 47.0	1.889	2.739	13.8	20.1

515965 2015 RG_{101} 7 24.8 261°.84 5°.6/29.2 18

6 20	20 37.27	+ 0 20.2	2.466	3.255	13.0	20.7
6 30	20 33.14	+ 0 20.5	2.375	3.247	10.8	20.5
7 10	20 27.50	+ 0 4.5	2.306	3.239	8.5	20.4
7 20	20 20.78	− 0 28.3	2.262	3.231	6.5	20.2
7 30	20 13.62	− 1 16.7	2.243	3.223	5.7	20.1
8 9	20 6.70	− 2 17.7	2.252	3.215	6.7	20.2
8 19	20 0.70	− 3 27.4	2.287	3.207	8.9	20.3
8 29	19 56.20	− 4 41.1	2.346	3.198	11.3	20.5

375779 2009 SK_{245} 7 24.8 282°.97 0°.7/24.5 18

6 20	20 43.18	−19 29.4	1.589	2.461	15.1	21.3
6 30	20 38.59	−19 55.0	1.501	2.443	11.5	21.0
7 10	20 31.39	−20 28.9	1.435	2.425	7.1	20.7
7 20	20 22.20	−21 7.0	1.394	2.407	2.4	20.4
7 30	20 12.07	−21 44.1	1.377	2.389	2.9	20.4
8 9	20 2.33	−22 15.7	1.387	2.370	7.8	20.6
8 19	19 54.21	−22 38.6	1.420	2.352	12.4	20.9
8 29	19 48.73	−22 51.5	1.475	2.333	16.5	21.1

174619 2003 SH_{64} 7 24.8 257°.02 2°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.98	−11 48.2	1.604	2.459	15.9	20.5
6 30	20 38.31	−12 3.8	1.517	2.445	12.4	20.3
7 10	20 31.16	−12 34.2	1.451	2.431	8.2	20.0
7 20	20 22.11	−13 17.5	1.408	2.417	3.9	19.7
7 30	20 12.17	−14 9.8	1.392	2.402	3.2	19.6
8 9	20 2.59	−15 5.9	1.401	2.387	7.4	19.9
8 19	19 54.55	−16 0.7	1.435	2.372	11.9	20.1
8 29	19 48.99	−16 50.1	1.491	2.356	16.0	20.3

47244 1999 VA_{53} 7 24.8 255°.46 1°.0/25.3 18

6 20	20 44.28	−15 51.1	1.734	2.593	14.7	19.5
6 30	20 39.16	−16 3.2	1.644	2.577	11.3	19.2
7 10	20 31.63	−16 25.0	1.575	2.560	7.2	19.0
7 20	20 22.26	−16 53.9	1.531	2.543	2.7	18.6
7 30	20 12.04	−17 26.4	1.514	2.526	2.5	18.6
8 9	20 2.17	−17 58.4	1.523	2.508	7.1	18.8
8 19	19 53.78	−18 26.7	1.558	2.490	11.5	19.0
8 29	19 47.79	−18 49.0	1.614	2.471	15.4	19.3

365050 2008 VL_{72} 7 24.8 279°.12 1°.8/24.1 17

6 20	20 44.91	−21 1.0	1.314	2.197	17.0	21.3
6 30	20 40.46	−21 37.9	1.232	2.179	12.9	21.0
7 10	20 32.85	−22 24.1	1.170	2.161	8.1	20.7
7 20	20 22.77	−23 13.9	1.130	2.143	3.0	20.3
7 30	20 11.47	−24 0.0	1.115	2.125	3.9	20.3
8 9	20 0.63	−24 36.1	1.124	2.106	9.4	20.6
8 19	19 51.80	−24 58.7	1.155	2.087	14.6	20.8
8 29	19 46.21	−25 7.1	1.205	2.069	19.1	21.1

266216 2006 WV_{171} 7 24.8 263°.70 0°.6/24.6 18

6 20	20 43.64	−18 56.2	1.620	2.490	15.0	21.7
6 30	20 38.82	−19 24.9	1.538	2.479	11.4	21.4
7 10	20 31.47	−20 2.3	1.477	2.466	7.1	21.1
7 20	20 22.21	−20 44.2	1.441	2.454	2.3	20.8
7 30	20 12.12	−21 25.4	1.430	2.441	2.8	20.8
8 9	20 2.46	−22 1.3	1.446	2.428	7.6	21.1
8 19	19 54.43	−22 28.6	1.485	2.416	12.1	21.3
8 29	19 48.97	−22 46.0	1.546	2.402	16.0	21.5

513808 2013 CJ_{224} 7 24.8 158°.26 4°.1/22.4 18

6 20	20 44.25	−31 41.3	2.366	3.227	11.2	22.0
6 30	20 38.50	−32 16.0	2.298	3.229	8.6	21.8
7 10	20 30.84	−32 47.2	2.254	3.231	6.0	21.7
7 20	20 21.90	−33 10.6	2.237	3.233	4.2	21.6
7 30	20 12.53	−33 22.3	2.247	3.235	4.9	21.6
8 9	20 3.70	−33 20.8	2.284	3.237	7.3	21.8
8 19	19 56.24	−33 6.3	2.347	3.239	10.0	21.9
8 29	19 50.78	−32 40.3	2.433	3.240	12.4	22.1

512458 2016 QW_{40} 7 24.8 342°.05 4°.4/23.5 18

6 20	20 45.70	−29 49.2	1.433	2.317	15.8	20.1
6 30	20 40.65	−29 57.4	1.363	2.309	12.1	19.8
7 10	20 32.66	−30 1.3	1.314	2.301	8.1	19.6
7 20	20 22.59	−29 55.5	1.288	2.294	4.8	19.4
7 30	20 11.82	−29 35.3	1.287	2.288	5.5	19.4
8 9	20 1.89	−28 59.5	1.309	2.283	9.4	19.6
8 19	19 54.12	−28 9.9	1.355	2.278	13.5	19.8
8 29	19 49.41	−27 10.1	1.421	2.275	17.3	20.1

161081 2002 NR_{2} 7 24.8 325°.88 8°.3/25.9 18

6 20	20 38.63	− 9 25.1	1.056	1.938	20.3	18.6
6 30	20 36.22	− 7 50.4	0.966	1.903	16.7	18.2
7 10	20 30.54	− 6 24.4	0.892	1.868	12.6	17.9
7 20	20 22.11	− 5 12.1	0.838	1.835	9.1	17.5
7 30	20 12.12	− 4 18.6	0.804	1.803	8.7	17.4
8 9	20 2.29	− 3 46.4	0.790	1.772	12.3	17.5
8 19	19 54.39	− 3 35.1	0.795	1.743	17.3	17.6
8 29	19 49.93	− 3 40.4	0.817	1.716	22.4	17.8

91873 1999 UM_{42} 7 24.8 268°.61 9°.0/19.2 18

6 20	20 51.15	−47 29.8	2.362	3.187	12.4	19.3
6 30	20 44.19	−48 24.1	2.297	3.178	10.8	19.2
7 10	20 34.60	−49 5.0	2.253	3.169	9.5	19.1
7 20	20 23.20	−49 26.0	2.234	3.160	9.0	19.1
7 30	20 11.21	−49 22.3	2.239	3.151	9.6	19.1
8 9	20 0.01	−48 53.1	2.269	3.142	11.1	19.2
8 19	19 50.76	−48 0.8	2.320	3.133	12.9	19.3
8 29	19 44.29	−46 50.1	2.392	3.124	14.6	19.4

338005 2002 EO_{81} 7 24.8 92°.94 1°.4/24.2 17

6 20	20 45.46	−22 49.7	1.744	2.613	14.2	20.5
6 30	20 39.80	−22 59.0	1.678	2.618	10.6	20.3
7 10	20 31.82	−23 10.9	1.634	2.623	6.5	20.1
7 20	20 22.27	−23 21.5	1.615	2.628	2.4	19.8
7 30	20 12.22	−23 27.3	1.623	2.632	3.0	19.9
8 9	20 2.87	−23 26.0	1.657	2.637	7.1	20.1
8 19	19 55.22	−23 17.1	1.717	2.642	11.0	20.4
8 29	19 50.01	−23 1.0	1.798	2.647	14.4	20.6

230299 2002 AZ_{30} 7 24.8 259°.95 1°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.83	−12 8.4	1.944	2.791	13.9	20.9
6 30	20 37.14	−12 46.9	1.847	2.772	10.7	20.6
7 10	20 30.32	−13 39.6	1.772	2.752	7.0	20.4
7 20	20 21.85	−14 43.8	1.723	2.732	3.0	20.1
7 30	20 12.56	−15 55.2	1.701	2.712	2.4	20.0
8 9	20 3.48	−17 8.3	1.706	2.691	6.5	20.2
8 19	19 55.60	−18 18.2	1.738	2.669	10.6	20.4
8 29	19 49.79	−19 20.8	1.793	2.647	14.2	20.6

471079 2009 WN_{180} 7 24.8 71°.62 3°.5/22.8 17

6 20	20 43.61	−24 36.5	1.604	2.482	14.7	21.1
6 30	20 38.69	−25 49.4	1.549	2.493	11.0	20.9
7 10	20 31.28	−27 5.9	1.516	2.505	7.0	20.7
7 20	20 22.14	−28 18.9	1.508	2.516	3.8	20.5
7 30	20 12.41	−29 21.1	1.526	2.528	4.9	20.6
8 9	20 3.39	−30 7.5	1.570	2.539	8.6	20.9
8 19	19 56.18	−30 36.4	1.638	2.551	12.3	21.1
8 29	19 51.58	−30 48.7	1.727	2.562	15.5	21.4

204415 2004 VP_{51} 7 24.8 204°.38 1°.2/25.5 18

6 20	20 41.80	−14 35.9	1.868	2.724	13.9	20.6
6 30	20 36.99	−14 55.2	1.792	2.723	10.6	20.4
7 10	20 30.10	−15 24.8	1.738	2.722	6.8	20.2
7 20	20 21.74	−16 1.9	1.709	2.720	2.7	19.9
7 30	20 12.81	−16 42.9	1.707	2.719	2.3	19.9
8 9	20 4.33	−17 23.7	1.732	2.717	6.4	20.2
8 19	19 57.23	−18 1.1	1.782	2.715	10.3	20.4
8 29	19 52.26	−18 32.6	1.856	2.713	13.7	20.6

461845 2006 DD_{189} 7 24.8 62°.65 4°.0/23.4 17

6 20	20 48.03	−26 27.9	1.228	2.116	17.7	20.5
6 30	20 42.51	−27 3.0	1.179	2.127	13.3	20.3
7 10	20 33.82	−27 38.6	1.149	2.139	8.5	20.0
7 20	20 22.99	−28 7.3	1.142	2.151	4.4	19.8
7 30	20 11.58	−28 22.8	1.158	2.163	5.4	19.9
8 9	20 1.32	−28 21.9	1.199	2.175	9.8	20.2
8 19	19 53.54	−28 5.5	1.262	2.187	14.2	20.5
8 29	19 49.11	−27 36.4	1.343	2.199	17.9	20.8

266281 2007 BK_{6} 7 24.8 143°.22 3°.4/22.9 17

6 20	20 45.01	−25 10.1	1.738	2.611	14.1	20.5
6 30	20 39.65	−26 11.8	1.674	2.616	10.5	20.3
7 10	20 31.85	−27 16.5	1.633	2.620	6.7	20.1
7 20	20 22.34	−28 17.8	1.617	2.625	3.6	19.9
7 30	20 12.19	−29 9.1	1.628	2.629	4.7	20.0
8 9	20 2.67	−29 46.2	1.665	2.633	8.2	20.2
8 19	19 54.84	−30 7.5	1.726	2.637	11.9	20.4
8 29	19 49.54	−30 13.8	1.809	2.640	15.1	20.6

188572 2004 VW_{62} 7 24.8 326°.57 1°.8/23.8 18

6 20	20 38.70	−22 8.8	1.858	2.734	13.1	19.9
6 30	20 34.89	−22 46.2	1.774	2.718	9.8	19.7
7 10	20 28.93	−23 29.0	1.712	2.703	6.1	19.4
7 20	20 21.39	−24 13.1	1.675	2.688	2.4	19.1
7 30	20 13.16	−24 53.5	1.665	2.673	3.2	19.2
8 9	20 5.30	−25 26.1	1.680	2.659	7.2	19.4
8 19	19 58.79	−25 48.4	1.720	2.646	11.0	19.6
8 29	19 54.47	−25 59.6	1.782	2.633	14.4	19.8

440641 2005 WK_{106} 7 24.8 294°.94 2°.6/26.3 17

6 20	20 39.29	−11 30.9	2.120	2.965	12.9	22.0
6 30	20 34.97	−11 28.3	2.028	2.949	10.1	21.7
7 10	20 28.82	−11 35.9	1.958	2.934	6.8	21.5
7 20	20 21.33	−11 52.9	1.913	2.918	3.6	21.3
7 30	20 13.24	−12 17.4	1.895	2.903	3.0	21.2
8 9	20 5.45	−12 46.4	1.904	2.888	6.0	21.4
8 19	19 58.77	−13 17.2	1.939	2.873	9.5	21.6
8 29	19 53.91	−13 47.0	1.998	2.858	12.7	21.7

24110 1999 VP_{20} 7 24.8 197°.90 0°.4/24.6 18

6 20	20 44.88	−20 34.1	2.477	3.326	11.2	19.1
6 30	20 38.81	−20 41.2	2.393	3.322	8.4	18.9
7 10	20 31.01	−20 51.3	2.333	3.318	5.2	18.7
7 20	20 22.01	−21 2.0	2.301	3.314	1.7	18.4
7 30	20 12.56	−21 10.7	2.297	3.308	2.0	18.4
8 9	20 3.50	−21 15.6	2.323	3.302	5.5	18.7
8 19	19 55.60	−21 15.7	2.376	3.296	8.7	18.9
8 29	19 49.47	−21 10.8	2.454	3.288	11.5	19.0

428789 2008 SE_{286} 7 24.9 346°.59 3°.7/23.2 16

6 20	20 39.74	−25 3.9	1.279	2.175	16.5	20.5
6 30	20 36.47	−25 50.8	1.212	2.166	12.5	20.2
7 10	20 30.27	−26 42.2	1.166	2.159	8.0	20.0
7 20	20 21.91	−27 30.9	1.142	2.152	4.1	19.7
7 30	20 12.68	−28 9.5	1.141	2.146	5.3	19.8
8 9	20 4.15	−28 32.8	1.164	2.141	9.7	20.0
8 19	19 57.68	−28 39.0	1.207	2.138	14.2	20.3
8 29	19 54.27	−28 28.9	1.270	2.135	18.2	20.5

76068 2000 DK_{77} 7 24.9 271°.17 0°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.49	−18 6.8	2.580	3.433	10.7	20.0
6 30	20 34.87	−18 28.0	2.483	3.414	8.0	19.8
7 10	20 28.65	−18 54.9	2.409	3.395	5.0	19.6
7 20	20 21.27	−19 25.1	2.363	3.376	1.7	19.3
7 30	20 13.35	−19 55.8	2.345	3.356	1.8	19.3
8 9	20 5.66	−20 24.4	2.356	3.337	5.2	19.5
8 19	19 58.91	−20 48.9	2.393	3.317	8.4	19.7
8 29	19 53.72	−21 7.7	2.455	3.297	11.2	19.8

445857 2012 MR_{6} 7 24.9 319°.71 20°.0/26.8 17

6 20	20 45.22	+ 7 19.5	0.975	1.792	26.4	19.9
6 30	20 41.17	+10 41.1	0.915	1.782	24.0	19.7
7 10	20 33.56	+13 37.6	0.870	1.772	21.8	19.5
7 20	20 23.12	+15 53.9	0.842	1.762	20.3	19.4
7 30	20 11.29	+17 17.6	0.830	1.754	20.1	19.3
8 9	19 59.98	+17 44.3	0.834	1.746	21.2	19.4
8 19	19 51.00	+17 18.3	0.853	1.738	23.3	19.5
8 29	19 45.73	+16 11.3	0.886	1.732	25.7	19.6

107902 2001 FB_{96} 7 24.9 253°.98 6°.6/21.1 18

6 20	20 49.46	−33 27.8	1.801	2.666	14.0	19.7
6 30	20 43.49	−34 40.1	1.715	2.646	11.0	19.5
7 10	20 34.57	−35 50.3	1.652	2.625	8.2	19.3
7 20	20 23.37	−36 50.0	1.614	2.603	6.6	19.1
7 30	20 11.06	−37 31.1	1.602	2.580	7.7	19.1
8 9	19 59.15	−37 49.2	1.616	2.557	10.6	19.3
8 19	19 49.05	−37 43.8	1.653	2.533	14.0	19.4
8 29	19 41.89	−37 18.2	1.710	2.509	17.2	19.6

203726 2002 QW_{35} 7 24.9 305°.13 1°.1/24.2 18

6 20	20 41.09	−20 17.7	1.810	2.681	13.7	19.8
6 30	20 36.64	−20 54.3	1.733	2.675	10.2	19.6
7 10	20 29.99	−21 37.6	1.678	2.668	6.3	19.3
7 20	20 21.75	−22 23.5	1.648	2.661	2.2	19.1
7 30	20 12.85	−23 7.0	1.645	2.655	2.8	19.1
8 9	20 4.41	−23 43.8	1.668	2.649	7.0	19.3
8 19	19 57.40	−24 11.3	1.716	2.643	11.0	19.6
8 29	19 52.65	−24 28.4	1.786	2.637	14.4	19.8

55504 2001 UG_{112} 7 24.9 315°.83 4°.1/27.2 18

6 20	20 39.85	− 7 32.8	2.075	2.906	13.7	19.6
6 30	20 35.29	− 7 18.4	1.996	2.904	10.9	19.4
7 10	20 28.95	− 7 16.6	1.939	2.903	7.8	19.2
7 20	20 21.36	− 7 27.3	1.906	2.902	5.0	19.0
7 30	20 13.29	− 7 49.1	1.900	2.901	4.3	19.0
8 9	20 5.61	− 8 19.3	1.921	2.899	6.5	19.1
8 19	19 59.10	− 8 54.6	1.968	2.898	9.6	19.3
8 29	19 54.42	− 9 31.6	2.038	2.897	12.5	19.5

250885 2005 UG_{513} 7 24.9 193°.09 1°.6/23.9 18

6 20	20 42.39	−24 11.1	2.511	3.370	10.7	21.0
6 30	20 36.97	−24 28.2	2.434	3.369	8.0	20.8
7 10	20 29.87	−24 46.3	2.381	3.367	5.0	20.6
7 20	20 21.64	−25 2.6	2.355	3.366	2.1	20.4
7 30	20 13.01	−25 14.2	2.357	3.364	2.7	20.5
8 9	20 4.79	−25 19.2	2.388	3.362	5.7	20.7
8 19	19 57.70	−25 17.0	2.445	3.360	8.7	20.9
8 29	19 52.35	−25 7.6	2.527	3.357	11.3	21.0

104230 2000 EZ_{128} 7 24.9 151°.08 4°.2/22.5 18

6 20	20 45.82	−30 48.5	2.170	3.032	12.0	20.1
6 30	20 39.83	−31 26.8	2.104	3.037	9.2	19.9
7 10	20 31.76	−32 2.0	2.062	3.041	6.3	19.8
7 20	20 22.28	−32 29.3	2.047	3.045	4.3	19.7
7 30	20 12.35	−32 44.5	2.058	3.049	5.0	19.7
8 9	20 3.02	−32 45.7	2.097	3.053	7.7	19.9
8 19	19 55.19	−32 33.0	2.161	3.056	10.5	20.1
8 29	19 49.55	−32 8.4	2.248	3.060	13.2	20.3

166600 2002 RZ_{206} 7 24.9 253°.46 0°.7/25.3 18

6 20	20 41.79	−16 6.5	2.263	3.112	12.1	20.9
6 30	20 36.80	−16 22.7	2.167	3.096	9.2	20.6
7 10	20 29.95	−16 46.3	2.095	3.078	5.8	20.4
7 20	20 21.74	−17 15.3	2.049	3.061	2.2	20.1
7 30	20 12.91	−17 46.7	2.031	3.043	2.0	20.1
8 9	20 4.34	−18 17.3	2.042	3.025	5.7	20.3
8 19	19 56.87	−18 44.9	2.079	3.006	9.3	20.5
8 29	19 51.20	−19 7.4	2.139	2.987	12.5	20.7

284873 2009 DN_{37} 7 24.9 281°.09 2°.6/26.5 18

6 20	20 39.87	−10 11.4	1.932	2.777	14.0	21.2
6 30	20 35.65	−10 32.9	1.838	2.759	11.0	21.0
7 10	20 29.38	−11 8.7	1.765	2.741	7.4	20.8
7 20	20 21.59	−11 57.4	1.717	2.723	3.9	20.5
7 30	20 13.06	−12 55.5	1.696	2.704	3.0	20.4
8 9	20 4.77	−13 58.6	1.701	2.686	6.5	20.6
8 19	19 57.68	−15 1.7	1.733	2.668	10.3	20.8
8 29	19 52.59	−16 0.9	1.787	2.649	13.9	21.0

334036 2001 AK_{33} 7 24.9 292°.34 0°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 46.45	−21 46.5	1.699	2.566	14.6	19.5
6 30	20 40.92	−21 30.4	1.607	2.545	11.1	19.2
7 10	20 32.79	−21 16.2	1.536	2.525	6.9	19.0
7 20	20 22.75	−21 1.1	1.491	2.504	2.3	18.6
7 30	20 11.85	−20 42.6	1.471	2.483	2.6	18.6
8 9	20 1.40	−20 19.2	1.479	2.462	7.4	18.8
8 19	19 52.59	−19 50.9	1.511	2.441	11.9	19.1
8 29	19 46.37	−19 18.4	1.565	2.421	15.8	19.3

86829 2000 GR_{146} 7 24.9 209°.81 7°.6/21.1 18

6 20	21 9.32	−30 15.9	1.449	2.295	17.8	19.4
6 30	20 59.68	−32 23.7	1.364	2.286	13.9	19.2
7 10	20 45.44	−34 36.9	1.302	2.274	10.0	18.9
7 20	20 27.26	−36 39.4	1.267	2.258	7.7	18.7
7 30	20 6.87	−38 14.9	1.261	2.239	9.3	18.8
8 9	19 46.78	−39 13.0	1.283	2.217	13.4	18.9
8 19	19 29.46	−39 33.7	1.328	2.191	17.8	19.1
8 29	19 16.68	−39 24.4	1.393	2.162	21.7	19.3

480544 2015 MG_{50} 7 24.9 239°.49 1°.6/23.6 18

6 20	20 39.94	−21 7.8	2.376	3.237	11.2	20.9
6 30	20 35.35	−22 7.3	2.295	3.232	8.3	20.7
7 10	20 29.01	−23 12.5	2.238	3.226	5.1	20.5
7 20	20 21.42	−24 19.1	2.209	3.220	2.0	20.3
7 30	20 13.28	−25 22.4	2.208	3.215	2.8	20.3
8 9	20 5.44	−26 18.3	2.235	3.209	6.1	20.6
8 19	19 58.66	−27 4.2	2.289	3.203	9.2	20.7
8 29	19 53.63	−27 38.8	2.366	3.196	12.0	20.9

179516 2002 CT_{156} 7 24.9 341°.63 2°.5/23.8 18

6 20	20 44.07	−26 26.1	1.936	2.806	13.0	19.6
6 30	20 38.69	−26 31.8	1.862	2.802	9.8	19.4
7 10	20 31.14	−26 36.7	1.811	2.798	6.2	19.2
7 20	20 22.12	−26 37.1	1.785	2.795	2.9	19.0
7 30	20 12.59	−26 29.9	1.787	2.792	3.6	19.0
8 9	20 3.66	−26 13.6	1.815	2.790	7.1	19.2
8 19	19 56.27	−25 48.3	1.868	2.787	10.6	19.5
8 29	19 51.15	−25 15.4	1.943	2.785	13.8	19.7

292151 2006 RC_{95} 7 24.9 245°.97 0°.1/24.9 18

6 20	20 41.39	−18 17.0	2.145	3.003	12.3	21.4
6 30	20 36.49	−18 31.7	2.064	2.998	9.3	21.2
7 10	20 29.73	−18 52.3	2.007	2.993	5.8	21.0
7 20	20 21.66	−19 16.2	1.975	2.988	1.9	20.7
7 30	20 13.07	−19 40.4	1.971	2.983	2.0	20.7
8 9	20 4.88	−20 2.0	1.995	2.978	5.9	20.9
8 19	19 57.92	−20 19.0	2.045	2.973	9.4	21.1
8 29	19 52.86	−20 30.2	2.118	2.967	12.5	21.3

471771 2012 UY_{138} 7 24.9 355°.44 3°.5/25.7 17

6 20	20 43.11	−15 5.9	1.301	2.177	17.6	20.0
6 30	20 38.66	−14 4.1	1.232	2.172	13.6	19.7
7 10	20 31.44	−13 9.6	1.184	2.168	9.1	19.5
7 20	20 22.28	−12 23.5	1.157	2.165	4.7	19.2
7 30	20 12.43	−11 46.1	1.155	2.164	4.2	19.2
8 9	20 3.33	−11 17.0	1.177	2.163	8.5	19.4
8 19	19 56.21	−10 55.1	1.221	2.164	13.0	19.7
8 29	19 51.97	−10 38.7	1.285	2.165	17.1	19.9

24827 Maryphil 7 24.9 320°.10 0°.5/24.9 18 R

6 20	20 56.67	−26 47.0	1.193	2.070	18.8	16.1
6 30	20 49.69	−25 18.8	1.102	2.044	14.6	15.8
7 10	20 38.78	−23 36.7	1.030	2.020	9.3	15.4
7 20	20 24.86	−21 38.3	0.983	1.996	3.2	15.0
7 30	20 9.66	−19 25.1	0.961	1.973	3.4	14.9
8 9	19 55.35	−17 3.7	0.965	1.950	9.9	15.2
8 19	19 43.78	−14 43.6	0.993	1.929	16.0	15.5
8 29	19 36.21	−12 32.7	1.041	1.909	21.1	15.7

56239 1999 JO_{46} 7 24.9 323°.56 0°.9/24.3 18

6 20	20 40.34	−20 7.2	1.937	2.806	13.0	18.8
6 30	20 35.93	−20 39.1	1.861	2.801	9.7	18.6
7 10	20 29.49	−21 17.1	1.807	2.796	6.0	18.4
7 20	20 21.60	−21 57.4	1.778	2.791	2.0	18.1
7 30	20 13.14	−22 35.9	1.776	2.787	2.6	18.2
8 9	20 5.11	−23 8.6	1.801	2.782	6.5	18.4
8 19	19 58.42	−23 33.2	1.851	2.778	10.3	18.6
8 29	19 53.81	−23 48.8	1.924	2.774	13.5	18.8

514328 2016 NN_{68} 7 24.9 316°.16 0°.9/24.8 18

6 20	20 54.40	−25 52.7	1.620	2.481	15.5	20.1
6 30	20 46.84	−24 53.3	1.532	2.467	11.8	19.8
7 10	20 36.39	−23 47.3	1.466	2.453	7.4	19.5
7 20	20 23.92	−22 32.9	1.427	2.439	2.6	19.2
7 30	20 10.75	−21 9.9	1.415	2.426	2.9	19.2
8 9	19 58.40	−19 40.8	1.432	2.413	7.8	19.4
8 19	19 48.14	−18 9.7	1.474	2.401	12.4	19.7
8 29	19 40.89	−16 40.7	1.540	2.389	16.4	19.9

291986 2006 QJ_{97} 7 24.9 279.°47 3.°1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.00	− 9 56.7	2.024	2.865	13.6	20.8
6 30	20 35.55	− 9 54.7	1.938	2.856	10.7	20.6
7 10	20 29.21	−10 4.8	1.874	2.847	7.4	20.4
7 20	20 21.52	−10 25.9	1.835	2.838	4.2	20.2
7 30	20 13.25	−10 56.2	1.823	2.829	3.4	20.1
8 9	20 5.32	−11 32.3	1.837	2.820	6.3	20.3
8 19	19 58.58	−12 11.0	1.877	2.811	9.8	20.4
8 29	19 53.74	−12 49.0	1.941	2.802	13.0	20.6

504177 2006 SP_{402} 7 24.9 289.°73 4.°7/22.7 17

6 20	20 45.28	−27 52.6	1.465	2.348	15.6	21.5
6 30	20 40.53	−28 43.6	1.390	2.335	11.9	21.3
7 10	20 32.80	−29 36.1	1.335	2.322	7.9	21.0
7 20	20 22.82	−30 22.7	1.303	2.308	4.9	20.8
7 30	20 11.86	−30 56.0	1.296	2.295	6.0	20.8
8 9	20 1.48	−31 11.2	1.314	2.282	10.0	21.0
8 19	19 53.10	−31 7.4	1.354	2.269	14.2	21.2
8 29	19 47.79	−30 46.7	1.414	2.257	17.9	21.5

470868 2008 YX_{166} 7 24.9 302.°82 2.°8/23.6 18

6 20	20 44.93	−24 47.3	1.645	2.520	14.6	21.1
6 30	20 40.25	−25 15.8	1.539	2.481	11.2	20.8
7 10	20 32.72	−25 48.3	1.453	2.442	7.2	20.5
7 20	20 22.86	−26 19.4	1.393	2.403	3.4	20.2
7 30	20 11.72	−26 43.4	1.357	2.363	4.3	20.1
8 9	20 0.70	−26 55.4	1.348	2.324	8.9	20.3
8 19	19 51.22	−26 53.5	1.362	2.284	13.6	20.4
8 29	19 44.51	−26 38.0	1.396	2.244	17.8	20.6

509785 2008 UW_{193} 7 24.9 270.°95 14.°3/ 8.5 18

6 20	21 2.04	−58 59.0	2.107	2.884	15.3	20.9
6 30	20 55.16	−61 23.6	2.047	2.859	14.6	20.8
7 10	20 43.21	−63 30.4	2.009	2.833	14.4	20.7
7 20	20 26.69	−65 7.1	1.992	2.806	14.8	20.7
7 30	20 7.49	−66 3.7	1.994	2.780	15.7	20.7
8 9	19 48.61	−66 17.0	2.014	2.752	17.0	20.7
8 19	19 33.07	−65 50.4	2.051	2.724	18.4	20.8
8 29	19 22.92	−64 52.1	2.100	2.696	19.7	20.9

432034 2008 WN_{59} 7 24.9 294.°71 11.°8/14.9 18

6 20	20 48.36	−45 15.7	1.726	2.579	15.1	20.2
6 30	20 43.46	−47 38.1	1.668	2.567	13.2	20.0
7 10	20 35.00	−49 49.4	1.632	2.555	12.0	19.9
7 20	20 23.67	−51 37.4	1.620	2.543	12.0	19.9
7 30	20 10.89	−52 52.0	1.630	2.532	13.2	19.9
8 9	19 58.60	−53 28.8	1.662	2.520	15.2	20.0
8 19	19 48.64	−53 29.5	1.713	2.509	17.3	20.2
8 29	19 42.37	−53 0.0	1.779	2.497	19.4	20.3

509536 2007 YL_{75} 7 24.9 262.°42 1.°0/24.3 18

6 20	20 41.90	−21 4.2	2.045	2.909	12.6	21.7
6 30	20 36.98	−21 27.1	1.969	2.907	9.4	21.5
7 10	20 30.09	−21 54.4	1.916	2.904	5.8	21.3
7 20	20 21.82	−22 22.7	1.888	2.901	2.0	21.0
7 30	20 13.02	−22 48.3	1.888	2.898	2.5	21.1
8 9	20 4.67	−23 8.3	1.916	2.895	6.3	21.3
8 19	19 57.65	−23 20.8	1.968	2.893	9.9	21.5
8 29	19 52.65	−23 25.5	2.044	2.890	13.0	21.7

109159 2001 QY_{61} 7 24.9 347.°82 0.°8/24.6 18

6 20	20 38.91	−20 27.1	1.108	2.009	18.1	18.6
6 30	20 36.10	−20 32.4	1.042	1.999	13.7	18.3
7 10	20 30.18	−20 45.4	0.995	1.990	8.6	18.0
7 20	20 21.97	−21 2.0	0.968	1.982	2.9	17.6
7 30	20 12.84	−21 17.1	0.964	1.976	3.3	17.6
8 9	20 4.46	−21 26.2	0.981	1.971	9.1	17.9
8 19	19 58.29	−21 27.0	1.020	1.968	14.4	18.2
8 29	19 55.36	−21 18.8	1.076	1.966	18.9	18.5

512877 2016 WM_{15} 7 24.9 160.°66 3.°1/23.1 18

6 20	20 43.20	−28 19.1	2.334	3.197	11.3	21.0
6 30	20 37.75	−28 44.5	2.263	3.198	8.5	20.8
7 10	20 30.46	−29 8.4	2.215	3.199	5.6	20.6
7 20	20 21.92	−29 27.1	2.194	3.199	3.3	20.5
7 30	20 12.96	−29 37.3	2.201	3.200	3.9	20.5
8 9	20 4.49	−29 37.1	2.235	3.201	6.7	20.7
8 19	19 57.32	−29 26.2	2.295	3.201	9.6	20.9
8 29	19 52.09	−29 5.8	2.379	3.202	12.2	21.0

318418 2005 AU_{67} 7 24.9 200.°90 1.°1/25.8 18

6 20	20 38.08	−13 27.2	2.911	3.749	10.0	21.5
6 30	20 33.58	−13 51.7	2.826	3.746	7.6	21.4
7 10	20 27.75	−14 23.6	2.765	3.743	4.9	21.2
7 20	20 21.01	−15 1.1	2.731	3.740	2.1	21.0
7 30	20 13.90	−15 42.0	2.726	3.736	1.7	21.0
8 9	20 7.04	−16 23.5	2.750	3.733	4.5	21.1
8 19	20 0.99	−17 3.2	2.802	3.729	7.2	21.3
8 29	19 56.27	−17 39.3	2.879	3.724	9.7	21.5

355050 2006 SG_{67} 7 24.9 299.°00 1.°0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 40.35	−15 40.9	1.922	2.782	13.5	21.6
6 30	20 35.97	−15 54.3	1.838	2.772	10.2	21.4
7 10	20 29.56	−16 16.7	1.776	2.761	6.5	21.1
7 20	20 21.68	−16 45.6	1.739	2.751	2.5	20.9
7 30	20 13.17	−17 17.9	1.729	2.741	2.2	20.8
8 9	20 5.04	−17 50.0	1.746	2.731	6.3	21.1
8 19	19 58.20	−18 18.9	1.788	2.722	10.2	21.3
8 29	19 53.42	−18 42.6	1.853	2.712	13.6	21.5

129212 2005 NA_{69} 7 24.9 313.°14 4.°7/22.9 18

6 20	20 43.30	−27 33.3	1.325	2.216	16.4	19.4
6 30	20 39.42	−28 15.3	1.243	2.193	12.6	19.1
7 10	20 32.34	−28 59.5	1.181	2.171	8.4	18.8
7 20	20 22.76	−29 38.4	1.142	2.149	5.0	18.6
7 30	20 11.99	−30 4.2	1.126	2.127	6.1	18.6
8 9	20 1.73	−30 11.8	1.133	2.107	10.5	18.8
8 19	19 53.55	−30 0.0	1.162	2.086	15.2	19.0
8 29	19 48.67	−29 30.9	1.209	2.067	19.4	19.2

376355 2011 HE_{81} 7 24.9 89.°65 4.°3/22.6 17

6 20	20 44.89	−27 41.9	1.688	2.563	14.2	20.5
6 30	20 39.67	−28 41.7	1.628	2.570	10.8	20.3
7 10	20 31.94	−29 41.9	1.590	2.576	7.1	20.1
7 20	20 22.47	−30 35.7	1.578	2.582	4.4	19.9
7 30	20 12.40	−31 16.9	1.591	2.588	5.4	20.0
8 9	20 3.02	−31 41.7	1.630	2.594	8.8	20.2
8 19	19 55.44	−31 49.4	1.693	2.600	12.3	20.5
8 29	19 50.47	−31 41.7	1.777	2.606	15.4	20.7

305899 2009 FO_{31} 7 24.9 87.°37 3.°8/23.3 18

6 20	20 48.57	−30 50.2	2.068	2.928	12.6	20.2
6 30	20 41.78	−31 1.5	2.011	2.943	9.6	20.0
7 10	20 32.90	−31 8.2	1.977	2.957	6.4	19.8
7 20	20 22.71	−31 6.2	1.970	2.972	4.0	19.7
7 30	20 12.23	−30 52.7	1.990	2.987	4.6	19.8
8 9	20 2.57	−30 27.0	2.038	3.001	7.4	20.0
8 19	19 54.60	−29 50.4	2.112	3.015	10.4	20.2
8 29	19 48.94	−29 5.4	2.208	3.030	13.0	20.4

109825 2001 RG_{114} 7 24.9 294.°84 3.°6/23.1 18

6 20	20 43.55	−25 19.2	1.526	2.408	15.2	19.8
6 30	20 39.11	−26 9.6	1.447	2.393	11.5	19.5
7 10	20 31.88	−27 4.3	1.389	2.378	7.4	19.2
7 20	20 22.54	−27 56.6	1.355	2.364	3.9	19.0
7 30	20 12.26	−28 39.6	1.346	2.349	5.0	19.0
8 9	20 2.46	−29 8.0	1.362	2.335	9.2	19.2
8 19	19 54.47	−29 19.9	1.401	2.321	13.4	19.4
8 29	19 49.32	−29 15.9	1.460	2.307	17.2	19.6

155787 2000 SL_{365} 7 24.9 326.°24 4.°0/27.0 18

6 20	20 37.54	− 8 29.7	1.388	2.251	17.5	20.2
6 30	20 34.55	− 8 43.2	1.306	2.235	13.8	19.9
7 10	20 29.04	− 9 17.1	1.243	2.220	9.6	19.6
7 20	20 21.60	−10 10.5	1.202	2.206	5.5	19.4
7 30	20 13.25	−11 19.6	1.185	2.193	4.3	19.3
8 9	20 5.29	−12 37.8	1.192	2.180	8.0	19.4
8 19	19 58.92	−13 57.8	1.221	2.168	12.6	19.7
8 29	19 55.17	−15 13.0	1.272	2.157	16.9	19.9

388992 2008 UY_{87} 7 24.9 265.°57 2.°2/26.1 18

6 20	20 42.03	−12 19.5	1.944	2.791	13.9	21.9
6 30	20 37.30	−12 29.4	1.848	2.772	10.8	21.6
7 10	20 30.46	−12 51.0	1.774	2.753	7.1	21.4
7 20	20 22.02	−13 22.6	1.725	2.733	3.4	21.1
7 30	20 12.82	−14 1.4	1.704	2.713	2.8	21.0
8 9	20 3.88	−14 43.6	1.709	2.693	6.5	21.2
8 19	19 56.16	−15 25.6	1.740	2.673	10.4	21.4
8 29	19 50.51	−16 4.1	1.794	2.652	14.0	21.6

44419 1998 SM_{151} 7 24.9 239.°12 3.°2/23.1 18

6 20	20 43.82	−26 28.1	1.892	2.763	13.2	19.2
6 30	20 38.66	−27 8.3	1.822	2.762	9.9	19.0
7 10	20 31.24	−27 49.6	1.774	2.761	6.4	18.7
7 20	20 22.24	−28 26.6	1.752	2.759	3.5	18.6
7 30	20 12.66	−28 54.6	1.756	2.758	4.3	18.6
8 9	20 3.63	−29 10.3	1.787	2.756	7.7	18.8
8 19	19 56.15	−29 12.9	1.843	2.755	11.2	19.0
8 29	19 50.99	−29 3.3	1.920	2.753	14.3	19.2

377062 2002 TY_{302} 7 24.9 326.°53 3.°8/26.3 13 C

6 20	20 38.22	−11 50.6	1.183	2.064	18.6	20.8
6 30	20 35.49	−11 34.9	1.102	2.044	14.7	20.5
7 10	20 29.85	−11 35.4	1.040	2.025	10.0	20.2
7 20	20 21.92	−11 52.0	0.998	2.006	5.3	19.8
7 30	20 12.89	−12 22.1	0.979	1.989	4.4	19.7
8 9	20 4.30	−13 1.0	0.982	1.972	9.0	19.9
8 19	19 57.60	−13 43.1	1.006	1.957	14.2	20.2
8 29	19 53.95	−14 23.3	1.049	1.943	18.9	20.4

322027 2010 VF_{20} 7 24.9 297°.36 2°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.60	−12 26.9	2.291	3.134	12.2	20.6
6 30	20 35.04	−12 18.4	2.205	3.126	9.4	20.4
7 10	20 28.81	−12 18.4	2.143	3.119	6.3	20.2
7 20	20 21.41	−12 25.9	2.106	3.112	3.2	20.0
7 30	20 13.54	−12 39.3	2.096	3.105	2.7	20.0
8 9	20 6.00	−12 56.4	2.115	3.097	5.6	20.1
8 19	19 59.53	−13 15.1	2.159	3.090	8.8	20.3
8 29	19 54.75	−13 33.2	2.227	3.084	11.7	20.5

41904 2000 WJ_{130} 7 24.9 208°.07 1°.9/23.5 18

6 20	20 41.02	−23 55.9	2.648	3.506	10.2	19.7
6 30	20 35.99	−24 35.2	2.567	3.502	7.6	19.5
7 10	20 29.35	−25 16.7	2.511	3.497	4.8	19.3
7 20	20 21.58	−25 57.0	2.482	3.492	2.2	19.1
7 30	20 13.37	−26 32.6	2.482	3.487	2.8	19.2
8 9	20 5.47	−27 0.9	2.511	3.481	5.7	19.4
8 19	19 58.58	−27 20.3	2.566	3.476	8.5	19.5
8 29	19 53.31	−27 30.7	2.645	3.469	11.1	19.7

18330 1987 BW_1 7 24.9 215°.52 2°.2/25.9 18

6 20	20 45.41	−13 12.2	1.790	2.638	14.8	19.2
6 30	20 39.87	−13 12.0	1.707	2.632	11.4	19.0
7 10	20 32.05	−13 22.5	1.645	2.625	7.5	18.7
7 20	20 22.55	−13 42.0	1.609	2.617	3.5	18.5
7 30	20 12.35	−14 7.7	1.599	2.609	2.9	18.4
8 9	20 2.58	−14 36.2	1.616	2.600	6.8	18.6
8 19	19 54.28	−15 4.3	1.659	2.591	10.9	18.9
8 29	19 48.30	−15 29.4	1.724	2.581	14.6	19.1

447105 2004 TB_{172} 7 24.9 323°.38 12°.8/28.3 17

6 20	20 40.73	+ 9 31.3	1.926	2.673	17.5	19.8
6 30	20 36.40	+11 30.4	1.834	2.649	15.9	19.6
7 10	20 29.96	+13 11.7	1.761	2.626	14.3	19.4
7 20	20 21.89	+14 28.9	1.709	2.603	13.1	19.3
7 30	20 12.98	+15 16.9	1.679	2.581	12.8	19.2
8 9	20 4.21	+15 34.1	1.670	2.560	13.5	19.2
8 19	19 56.57	+15 22.1	1.683	2.539	15.0	19.3
8 29	19 50.95	+14 45.9	1.714	2.519	16.9	19.4

316803 1999 UK_{33} 7 24.9 223°.88 2°.8/26.8 18

6 20	20 39.20	− 9 24.7	2.625	3.452	11.3	21.7
6 30	20 34.54	− 9 24.0	2.537	3.445	8.8	21.5
7 10	20 28.42	− 9 32.9	2.471	3.439	6.1	21.3
7 20	20 21.27	− 9 50.5	2.432	3.432	3.6	21.1
7 30	20 13.71	−10 15.5	2.421	3.425	3.0	21.1
8 9	20 6.41	−10 45.4	2.438	3.418	5.2	21.2
8 19	20 0.02	−11 17.8	2.483	3.411	8.0	21.4
8 29	19 55.10	−11 50.2	2.552	3.403	10.6	21.6

171743 2000 WD_{184} 7 24.9 242°.36 0°.3/24.8 18

6 20	20 45.06	−18 8.3	1.615	2.482	15.2	21.2
6 30	20 39.96	−18 36.1	1.533	2.471	11.6	20.9
7 10	20 32.29	−19 13.2	1.472	2.461	7.2	20.6
7 20	20 22.68	−19 55.6	1.436	2.449	2.4	20.3
7 30	20 12.21	−20 38.2	1.426	2.438	2.6	20.3
8 9	20 2.19	−21 16.1	1.442	2.426	7.6	20.6
8 19	19 53.81	−21 46.1	1.483	2.413	12.1	20.8
8 29	19 48.03	−22 6.5	1.545	2.401	16.0	21.0

261139 2005 TZ_{57} 7 24.9 216°.57 1°.7/23.7 18

6 20	20 41.44	−23 44.8	2.567	3.425	10.5	21.5
6 30	20 36.34	−24 16.0	2.485	3.420	7.9	21.3
7 10	20 29.59	−24 49.2	2.428	3.414	4.9	21.1
7 20	20 21.68	−25 21.2	2.398	3.409	2.1	20.9
7 30	20 13.31	−25 48.9	2.396	3.402	2.7	20.9
8 9	20 5.28	−26 9.5	2.423	3.396	5.7	21.1
8 19	19 58.31	−26 21.9	2.477	3.389	8.7	21.3
8 29	19 53.01	−26 25.9	2.554	3.382	11.3	21.5

197431 2003 YO_{78} 7 24.9 187°.54 0°.5/25.1 18

6 20	20 43.63	−17 50.5	2.344	3.193	11.7	21.0
6 30	20 37.99	−17 51.9	2.264	3.192	8.8	20.8
7 10	20 30.60	−17 58.2	2.208	3.191	5.5	20.6
7 20	20 22.01	−18 7.4	2.178	3.190	2.0	20.3
7 30	20 12.98	−18 17.2	2.177	3.188	1.9	20.3
8 9	20 4.37	−18 25.6	2.204	3.186	5.4	20.6
8 19	19 56.93	−18 31.2	2.259	3.184	8.8	20.8
8 29	19 51.29	−18 33.1	2.337	3.181	11.7	21.0

509876 2009 BB_{26} 7 24.9 233°.02 1°.6/23.9 18

6 20	20 42.19	−21 35.1	1.991	2.857	12.8	21.9
6 30	20 37.32	−22 16.3	1.915	2.854	9.6	21.7
7 10	20 30.39	−23 2.6	1.861	2.850	5.9	21.5
7 20	20 21.99	−23 49.8	1.834	2.846	2.3	21.2
7 30	20 12.99	−24 33.1	1.833	2.842	3.0	21.3
8 9	20 4.41	−25 8.7	1.860	2.837	6.7	21.5
8 19	19 57.19	−25 34.3	1.913	2.833	10.4	21.7
8 29	19 52.07	−25 49.3	1.988	2.829	13.5	21.9

183994 2004 EF_{63} 7 24.9 182°.54 3°.8/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.38	− 9 0.4	1.740	2.581	15.5	20.7
6 30	20 38.31	− 8 54.8	1.665	2.581	12.2	20.5
7 10	20 31.04	− 9 3.6	1.610	2.581	8.5	20.3
7 20	20 22.21	− 9 25.9	1.580	2.581	4.9	20.1
7 30	20 12.78	− 9 59.3	1.576	2.581	4.1	20.0
8 9	20 3.83	−10 40.0	1.598	2.580	7.1	20.2
8 19	19 56.35	−11 23.8	1.645	2.579	10.9	20.4
8 29	19 51.12	−12 6.8	1.715	2.578	14.3	20.6

382943 2004 TU_{309} 7 24.9 262°.35 3°.7/26.5 17

6 20	20 43.07	−10 31.1	1.842	2.685	14.7	20.8
6 30	20 38.06	−10 7.7	1.756	2.674	11.6	20.6
7 10	20 30.90	− 9 55.2	1.691	2.664	8.0	20.3
7 20	20 22.18	− 9 53.7	1.651	2.653	4.7	20.1
7 30	20 12.79	−10 1.9	1.637	2.642	4.0	20.0
8 9	20 3.78	−10 17.5	1.650	2.631	7.0	20.2
8 19	19 56.13	−10 37.7	1.687	2.620	10.7	20.4
8 29	19 50.64	−10 59.5	1.748	2.609	14.2	20.6

204481 2005 AS_{61} 7 24.9 180°.91 2°.6/23.4 17

6 20	20 44.57	−25 44.2	2.159	3.022	12.1	21.0
6 30	20 38.95	−26 20.7	2.086	3.023	9.1	20.8
7 10	20 31.31	−26 58.1	2.037	3.023	5.8	20.6
7 20	20 22.28	−27 32.2	2.015	3.023	2.9	20.4
7 30	20 12.74	−27 58.7	2.020	3.023	3.7	20.5
8 9	20 3.68	−28 14.9	2.053	3.022	6.8	20.7
8 19	19 56.00	−28 20.0	2.111	3.021	10.1	20.9
8 29	19 50.39	−28 14.4	2.193	3.020	12.9	21.1

53004 1998 VF_2 7 24.9 172°.12 1°.3/25.5 18

6 20	20 43.80	−15 22.2	1.616	2.479	15.4	20.1
6 30	20 38.80	−15 29.1	1.545	2.479	11.8	19.8
7 10	20 31.43	−15 46.2	1.494	2.479	7.5	19.6
7 20	20 22.36	−16 10.8	1.468	2.480	3.0	19.3
7 30	20 12.66	−16 39.2	1.468	2.480	2.6	19.3
8 9	20 3.54	−17 7.6	1.494	2.480	7.0	19.6
8 19	19 56.06	−17 32.9	1.544	2.480	11.3	19.8
8 29	19 51.05	−17 53.1	1.617	2.480	15.0	20.1

442892 2013 BX_{63} 7 24.9 79°.65 3°.6/23.3 18

6 20	20 46.35	−30 23.2	2.152	3.014	12.1	21.2
6 30	20 40.23	−30 35.8	2.083	3.016	9.2	21.0
7 10	20 32.05	−30 44.7	2.037	3.017	6.2	20.8
7 20	20 22.51	−30 45.8	2.017	3.019	3.8	20.7
7 30	20 12.56	−30 36.1	2.024	3.021	4.5	20.7
8 9	20 3.25	−30 14.5	2.059	3.023	7.2	20.9
8 19	19 55.46	−29 41.8	2.120	3.025	10.3	21.1
8 29	19 49.87	−29 0.0	2.203	3.027	13.0	21.3

149726 2004 JN_{35} 7 24.9 337°.71 2°.7/23.3 18

6 20	20 36.35	−21 59.6	1.479	2.370	15.0	18.8
6 30	20 33.73	−23 3.2	1.398	2.350	11.3	18.5
7 10	20 28.59	−24 16.2	1.338	2.331	7.1	18.2
7 20	20 21.50	−25 32.4	1.302	2.314	3.2	17.9
7 30	20 13.50	−26 44.3	1.290	2.297	4.4	17.9
8 9	20 5.88	−27 44.7	1.303	2.282	8.8	18.2
8 19	19 59.89	−28 29.3	1.338	2.267	13.2	18.4
8 29	19 56.52	−28 56.5	1.393	2.255	17.1	18.6

283691 2002 RH_{80} 7 24.9 267°.07 5°.2/28.3 18

6 20	20 39.40	− 3 13.5	2.071	2.885	14.3	20.8
6 30	20 35.15	− 3 16.4	1.978	2.872	11.7	20.6
7 10	20 29.04	− 3 36.4	1.907	2.858	8.8	20.4
7 20	20 21.57	− 4 13.8	1.859	2.845	6.1	20.2
7 30	20 13.47	− 5 6.7	1.838	2.832	5.2	20.1
8 9	20 5.63	− 6 11.6	1.843	2.818	7.0	20.2
8 19	19 58.89	− 7 23.5	1.874	2.804	10.0	20.4
8 29	19 53.96	− 8 37.3	1.929	2.790	13.1	20.5

176164 2001 JR_3 7 24.9 118°.06 5°.5/28.0 17

6 20	20 44.39	− 4 5.4	1.771	2.590	16.2	20.3
6 30	20 38.86	− 3 53.4	1.709	2.606	13.0	20.1
7 10	20 31.26	− 3 59.2	1.666	2.621	9.6	19.9
7 20	20 22.27	− 4 22.7	1.648	2.635	6.6	19.8
7 30	20 12.83	− 5 1.6	1.655	2.649	5.6	19.8
8 9	20 3.99	− 5 52.0	1.688	2.663	7.6	19.9
8 19	19 56.64	− 6 48.8	1.747	2.675	10.7	20.1
8 29	19 51.49	− 7 47.1	1.829	2.688	13.8	20.3

49927 1999 XG_{176} 7 24.9 122°.33 3°.2/23.2 18

6 20	20 47.26	−25 29.2	1.766	2.634	14.1	18.5
6 30	20 41.24	−26 21.8	1.709	2.648	10.5	18.3
7 10	20 32.83	−27 15.9	1.674	2.661	6.7	18.1
7 20	20 22.81	−28 5.6	1.665	2.673	3.5	18.0
7 30	20 12.27	−28 45.1	1.684	2.686	4.4	18.1
8 9	20 2.46	−29 11.0	1.728	2.697	7.9	18.3
8 19	19 54.41	−29 22.3	1.798	2.708	11.5	18.5
8 29	19 48.89	−29 20.3	1.889	2.719	14.6	18.8

513982 2014 GY_{56} 7 24.9 290°.39 0°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 39.49	−17 9.1	2.086	2.946	12.5	20.7
6 30	20 35.25	−17 55.5	2.002	2.937	9.4	20.5
7 10	20 29.12	−18 51.0	1.940	2.928	5.8	20.2
7 20	20 21.60	−19 52.0	1.905	2.918	1.9	20.0
7 30	20 13.46	−20 53.8	1.898	2.909	2.2	20.0
8 9	20 5.64	−21 51.9	1.918	2.900	6.1	20.2
8 19	19 58.98	−22 42.7	1.964	2.891	9.8	20.4
8 29	19 54.22	−23 23.9	2.033	2.882	13.0	20.6

272915 2006 BQ_{172} 7 24.9 9°.33 1°.2/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.29	−15 13.4	1.529	2.399	15.8	20.6
6 30	20 37.03	−15 26.4	1.461	2.400	12.0	20.3
7 10	20 30.38	−15 50.7	1.414	2.401	7.6	20.1
7 20	20 22.04	−16 23.3	1.390	2.402	3.0	19.8
7 30	20 13.07	−17 0.1	1.392	2.404	2.6	19.8
8 9	20 4.68	−17 36.6	1.419	2.406	7.2	20.1
8 19	19 57.97	−18 9.0	1.469	2.408	11.5	20.4
8 29	19 53.74	−18 35.0	1.541	2.411	15.3	20.6

322109 2010 VV_{152} 7 24.9 61°.91 1°.9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.31	−21 10.4	1.387	2.268	16.4	20.7
6 30	20 39.53	−21 57.1	1.330	2.276	12.2	20.4
7 10	20 32.02	−22 50.9	1.294	2.285	7.5	20.2
7 20	20 22.59	−23 45.7	1.281	2.294	2.9	19.9
7 30	20 12.54	−24 34.6	1.294	2.303	3.7	20.0
8 9	20 3.27	−25 12.4	1.331	2.312	8.4	20.3
8 19	19 56.02	−25 36.6	1.391	2.321	12.8	20.6
8 29	19 51.63	−25 47.3	1.472	2.330	16.5	20.9

383323 2006 JL_{6} 7 24.9 152°.45 5°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.11	−32 19.0	2.167	3.029	12.1	21.3
6 30	20 40.24	−33 27.5	2.105	3.035	9.3	21.1
7 10	20 32.19	−34 33.0	2.068	3.041	6.7	21.0
7 20	20 22.62	−35 29.1	2.056	3.047	5.2	20.9
7 30	20 12.49	−36 10.4	2.073	3.052	6.1	21.0
8 9	20 2.92	−36 34.2	2.115	3.057	8.5	21.1
8 19	19 54.85	−36 40.3	2.183	3.062	11.1	21.3
8 29	19 49.03	−36 30.6	2.272	3.065	13.6	21.5

369277 2009 QG_{14} 7 24.9 289°.20 5°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.32	− 6 31.4	1.613	2.453	16.5	21.1
6 30	20 37.28	− 6 26.6	1.512	2.425	13.4	20.8
7 10	20 30.77	− 6 40.2	1.430	2.397	9.7	20.5
7 20	20 22.28	− 7 12.8	1.372	2.369	6.2	20.2
7 30	20 12.72	− 8 2.8	1.338	2.340	5.2	20.1
8 9	20 3.30	− 9 6.0	1.329	2.312	8.2	20.2
8 19	19 55.22	−10 16.5	1.345	2.283	12.5	20.4
8 29	19 49.55	−11 28.1	1.382	2.254	16.6	20.6

185925 2000 TN_{11} 7 24.9 286°.45 6°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.47	− 1 12.8	2.182	2.984	14.0	20.8
6 30	20 34.38	− 0 57.4	2.086	2.968	11.7	20.6
7 10	20 28.54	− 0 58.5	2.012	2.952	9.1	20.4
7 20	20 21.42	− 1 17.0	1.961	2.936	6.9	20.2
7 30	20 13.70	− 1 52.5	1.936	2.919	6.1	20.1
8 9	20 6.21	− 2 42.1	1.937	2.903	7.4	20.2
8 19	19 59.74	− 3 42.0	1.963	2.887	10.0	20.3
8 29	19 54.97	− 4 47.3	2.013	2.871	12.7	20.5

511355 2014 FQ_{3} 7 24.9 185°.46 6°.7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.91	−36 59.1	2.102	2.961	12.5	21.1
6 30	20 41.03	−38 3.8	2.039	2.961	10.0	21.0
7 10	20 32.77	−39 1.9	1.999	2.960	7.8	20.8
7 20	20 22.84	−39 46.7	1.984	2.960	6.7	20.7
7 30	20 12.30	−40 12.9	1.995	2.959	7.5	20.8
8 9	20 2.36	−40 18.0	2.032	2.958	9.6	20.9
8 19	19 54.10	−40 3.0	2.092	2.957	12.1	21.1
8 29	19 48.32	−39 31.0	2.174	2.956	14.5	21.3

464872 2005 JB_{32} 7 24.9 25°.85 1°.9/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.21	−15 26.7	0.942	1.843	20.6	20.2
6 30	20 36.97	−15 19.6	0.904	1.858	15.6	20.0
7 10	20 30.57	−15 27.3	0.883	1.875	9.9	19.7
7 20	20 22.11	−15 46.5	0.881	1.894	4.0	19.5
7 30	20 13.16	−16 12.0	0.901	1.914	3.3	19.5
8 9	20 5.40	−16 38.3	0.943	1.935	8.8	19.9
8 19	20 0.11	−17 1.1	1.005	1.958	13.9	20.3
8 29	19 58.05	−17 17.6	1.085	1.982	18.2	20.6

72232 2001 AD_{16} 7 24.9 269°.73 0°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.72	−15 5.2	1.509	2.377	16.1	19.3
6 30	20 38.40	−15 45.7	1.426	2.364	12.3	19.1
7 10	20 31.45	−16 40.8	1.364	2.352	7.8	18.8
7 20	20 22.49	−17 46.3	1.326	2.339	2.8	18.5
7 30	20 12.59	−18 56.2	1.314	2.326	2.6	18.4
8 9	20 3.07	−20 3.8	1.327	2.313	7.7	18.7
8 19	19 55.19	−21 3.5	1.364	2.300	12.5	18.9
8 29	19 49.97	−21 52.1	1.423	2.287	16.7	19.2

373455 2000 ES_{52} 7 24.9 273°.24 0°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.61	−16 3.6	1.649	2.512	15.1	21.7
6 30	20 38.92	−16 19.2	1.558	2.493	11.6	21.5
7 10	20 31.71	−16 45.3	1.488	2.474	7.4	21.2
7 20	20 22.58	−17 19.2	1.443	2.455	2.8	20.8
7 30	20 12.52	−17 56.7	1.423	2.435	2.5	20.8
8 9	20 2.78	−18 33.4	1.430	2.415	7.3	21.0
8 19	19 54.54	−19 5.6	1.461	2.395	11.9	21.2
8 29	19 48.81	−19 31.0	1.513	2.375	16.0	21.4

125716 2001 XT_{101} 7 24.9 189°.14 2°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.74	−22 56.9	1.894	2.760	13.4	19.8
6 30	20 39.33	−23 33.0	1.821	2.760	10.0	19.6
7 10	20 31.70	−24 12.8	1.771	2.759	6.2	19.3
7 20	20 22.49	−24 51.8	1.747	2.758	2.6	19.1
7 30	20 12.69	−25 25.3	1.749	2.757	3.3	19.1
8 9	20 3.40	−25 49.6	1.779	2.755	7.1	19.4
8 19	19 55.63	−26 3.1	1.834	2.753	10.8	19.6
8 29	19 50.14	−26 6.1	1.912	2.751	14.1	19.8

518481 2005 SH_{294} 7 24.9 301°.58 5°.1/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 38.85	− 4 9.0	2.144	2.961	13.8	21.2
6 30	20 34.60	− 3 54.1	2.061	2.956	11.2	21.0
7 10	20 28.64	− 3 53.8	1.999	2.951	8.4	20.8
7 20	20 21.46	− 4 8.6	1.961	2.946	5.9	20.7
7 30	20 13.77	− 4 37.4	1.949	2.941	5.1	20.6
8 9	20 6.41	− 5 17.3	1.963	2.936	6.8	20.7
8 19	20 0.14	− 6 4.8	2.003	2.931	9.6	20.9
8 29	19 55.60	− 6 55.6	2.067	2.926	12.4	21.0

155575 1999 XL_{78} 7 24.9 154°.86 3°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.89	− 6 44.9	2.863	3.673	10.9	20.4
6 30	20 34.88	− 6 28.3	2.784	3.679	8.7	20.2
7 10	20 28.57	− 6 21.2	2.729	3.684	6.3	20.1
7 20	20 21.38	− 6 23.5	2.700	3.690	4.2	20.0
7 30	20 13.88	− 6 34.3	2.699	3.694	3.6	19.9
8 9	20 6.69	− 6 51.9	2.727	3.699	5.2	20.0
8 19	20 0.36	− 7 14.2	2.782	3.703	7.5	20.2
8 29	19 55.38	− 7 39.1	2.862	3.707	9.7	20.4

7841 1994 UE_{1} 7 24.9 284°.55 3°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 41.56	−10 15.3	1.862	2.706	14.5	17.8
6 30	20 36.95	− 9 58.1	1.776	2.695	11.4	17.6
7 10	20 30.25	− 9 52.4	1.711	2.683	7.9	17.4
7 20	20 22.03	− 9 58.1	1.670	2.672	4.6	17.1
7 30	20 13.16	−10 13.6	1.655	2.660	3.9	17.1
8 9	20 4.64	−10 36.4	1.667	2.649	6.9	17.2
8 19	19 57.44	−11 3.3	1.704	2.638	10.5	17.4
8 29	19 52.32	−11 31.1	1.763	2.626	14.0	17.6

160066 1999 XS_{236} 7 24.9 320°.41 5°.8/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 43.11	− 9 7.7	1.549	2.397	16.7	19.1
6 30	20 38.50	− 8 0.2	1.464	2.382	13.4	18.9
7 10	20 31.40	− 7 3.2	1.399	2.367	9.8	18.6
7 20	20 22.47	− 6 19.0	1.357	2.352	6.6	18.4
7 30	20 12.71	− 5 49.1	1.340	2.338	6.1	18.4
8 9	20 3.38	− 5 33.1	1.348	2.325	8.8	18.5
8 19	19 55.62	− 5 29.1	1.379	2.312	12.7	18.7
8 29	19 50.36	− 5 34.0	1.431	2.299	16.3	18.9

30316 Scottmassa 7 24.9 250°.56 2°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.45	−22 57.7	1.719	2.591	14.2	19.0
6 30	20 39.44	−23 40.2	1.641	2.582	10.7	18.8
7 10	20 31.95	−24 27.7	1.584	2.573	6.7	18.6
7 20	20 22.64	−25 15.1	1.553	2.564	2.9	18.3
7 30	20 12.55	−25 56.5	1.548	2.555	3.7	18.3
8 9	20 2.93	−26 27.5	1.569	2.546	7.9	18.6
8 19	19 54.92	−26 46.0	1.615	2.536	11.9	18.8
8 29	19 49.42	−26 51.8	1.682	2.526	15.5	19.0

67177 2000 BM_{22} 7 24.9 306°.86 0°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 39.71	−19 41.1	2.155	3.018	12.1	19.5
6 30	20 35.40	−20 0.6	2.065	3.003	9.1	19.3
7 10	20 29.22	−20 25.5	1.999	2.987	5.6	19.0
7 20	20 21.68	−20 53.0	1.959	2.972	1.9	18.8
7 30	20 13.55	−21 19.9	1.945	2.956	2.2	18.7
8 9	20 5.73	−21 43.0	1.959	2.941	6.0	19.0
8 19	19 59.07	−22 0.4	1.999	2.927	9.6	19.2
8 29	19 54.27	−22 10.8	2.062	2.912	12.8	19.3

509803 2008 UX_{352} 7 24.9 277°.26 2°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 42.16	−21 56.1	1.809	2.681	13.6	21.1
6 30	20 37.61	−22 47.0	1.730	2.672	10.2	20.9
7 10	20 30.77	−23 44.3	1.674	2.663	6.4	20.6
7 20	20 22.24	−24 42.8	1.642	2.654	2.6	20.4
7 30	20 12.97	−25 36.8	1.638	2.645	3.5	20.4
8 9	20 4.12	−26 21.2	1.660	2.636	7.5	20.6
8 19	19 56.73	−26 53.4	1.706	2.627	11.4	20.9
8 29	19 51.65	−27 12.7	1.775	2.618	14.8	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
232183 2002 ET_{87}			7 24.9	81°.39	4°.0/27.4	18
	h m	° ′			°	m
6 20	20 40.80	− 6 58.0	1.760	2.597	15.5	20.3
6 30	20 36.33	− 7 10.8	1.691	2.604	12.2	20.1
7 10	20 29.82	− 7 40.6	1.642	2.610	8.6	19.9
7 20	20 21.88	− 8 26.0	1.617	2.616	5.2	19.7
7 30	20 13.41	− 9 23.6	1.619	2.623	4.2	19.6
8 9	20 5.43	−10 28.5	1.646	2.629	6.9	19.8
8 19	19 58.85	−11 35.2	1.699	2.635	10.4	20.0
8 29	19 54.40	−12 39.2	1.775	2.642	13.7	20.2
176448 2001 XU_{19}			7 24.9	87°.50	1°.8/24.0	18
6 20	20 44.13	−24 36.7	2.149	3.012	12.1	19.6
6 30	20 38.53	−24 46.0	2.081	3.017	9.1	19.4
7 10	20 31.02	−24 56.0	2.036	3.023	5.6	19.2
7 20	20 22.24	−25 3.3	2.017	3.028	2.4	19.0
7 30	20 13.07	−25 5.1	2.026	3.034	2.9	19.0
8 9	20 4.46	−24 59.8	2.063	3.039	6.3	19.3
8 19	19 57.24	−24 46.9	2.126	3.045	9.6	19.5
8 29	19 52.04	−24 27.3	2.212	3.050	12.4	19.7
305498 2008 EU_{74}			7 24.9	184°.77	4°.0/22.5	18
6 20	20 43.91	−30 36.4	2.351	3.213	11.2	21.0
6 30	20 38.40	−31 16.1	2.280	3.213	8.6	20.8
7 10	20 30.98	−31 53.4	2.234	3.212	5.9	20.6
7 20	20 22.25	−32 23.8	2.214	3.212	4.1	20.5
7 30	20 13.04	−32 43.3	2.221	3.212	4.8	20.6
8 9	20 4.32	−32 49.8	2.256	3.211	7.2	20.7
8 19	19 56.91	−32 43.2	2.316	3.210	10.0	20.9
8 29	19 51.49	−32 24.8	2.398	3.209	12.5	21.1
512363 2016 ND_{49}			7 24.9	313°.76	2°.8/26.5	18
6 20	20 38.60	−10 13.5	1.543	2.403	16.2	20.8
6 30	20 35.24	−10 37.3	1.455	2.385	12.7	20.6
7 10	20 29.47	−11 19.2	1.387	2.367	8.6	20.3
7 20	20 21.86	−12 17.4	1.342	2.349	4.4	20.0
7 30	20 13.36	−13 27.6	1.321	2.331	3.4	19.9
8 9	20 5.15	−14 43.6	1.326	2.315	7.4	20.1
8 19	19 58.40	−15 58.9	1.355	2.298	12.0	20.3
8 29	19 54.08	−17 8.0	1.406	2.282	16.1	20.5
506736 2006 VU_{32}			7 24.9	279°.94	2°.8/23.6	18
6 20	20 44.94	−23 34.8	1.560	2.437	15.1	21.6
6 30	20 40.23	−24 18.8	1.472	2.416	11.5	21.4
7 10	20 32.71	−25 8.9	1.405	2.395	7.3	21.1
7 20	20 22.99	−25 59.1	1.363	2.373	3.3	20.8
7 30	20 12.19	−26 42.6	1.345	2.352	4.3	20.8
8 9	20 1.74	−27 14.1	1.353	2.330	8.8	21.0
8 19	19 53.01	−27 30.9	1.385	2.308	13.4	21.2
8 29	19 47.10	−27 33.0	1.437	2.286	17.4	21.4
519722 2013 BM_{84}			7 24.9	56°.38	1°.7/25.8	18
6 20	20 42.13	−14 46.4	2.111	2.960	12.8	21.5
6 30	20 37.04	−14 34.1	2.035	2.961	9.8	21.3
7 10	20 30.13	−14 28.9	1.982	2.962	6.4	21.1
7 20	20 21.97	−14 29.7	1.954	2.963	2.9	20.9
7 30	20 13.36	−14 34.6	1.954	2.964	2.4	20.9
8 9	20 5.21	−14 41.7	1.981	2.965	5.8	21.1
8 19	19 58.30	−14 49.1	2.034	2.966	9.2	21.3
8 29	19 53.28	−14 55.3	2.111	2.967	12.3	21.5
182912 2002 EE_{104}			7 24.9	86°.19	0°.6/25.4	17
6 20	20 40.04	−14 56.6	2.303	3.152	11.9	19.9
6 30	20 35.32	−15 36.1	2.240	3.168	8.9	19.8
7 10	20 28.99	−16 23.9	2.200	3.183	5.6	19.6
7 20	20 21.58	−17 17.0	2.186	3.198	2.1	19.4
7 30	20 13.81	−18 11.6	2.201	3.213	1.8	19.4
8 9	20 6.47	−19 4.0	2.245	3.228	5.2	19.6
8 19	20 0.25	−19 51.2	2.315	3.243	8.5	19.9
8 29	19 55.73	−20 31.2	2.409	3.257	11.2	20.1
306539 1999 YV_{3}			7 24.9	209°.65	9°.8/19.7	17
6 20	21 0.84	−47 49.7	2.187	3.002	13.6	21.6
6 30	20 51.88	−48 51.7	2.119	2.994	11.8	21.4
7 10	20 39.69	−49 38.9	2.073	2.986	10.3	21.3
7 20	20 25.25	−50 2.8	2.052	2.977	9.8	21.3
7 30	20 10.05	−49 57.3	2.056	2.967	10.4	21.3
8 9	19 55.85	−49 21.6	2.084	2.956	12.0	21.4
8 19	19 44.07	−48 19.3	2.136	2.944	14.0	21.5
8 29	19 35.68	−46 57.0	2.207	2.931	15.9	21.6
105527 2000 RW_{26}			7 24.9	294°.03	1°.4/25.6	18
6 20	20 42.21	−16 3.4	2.057	2.910	12.9	19.5
6 30	20 37.27	−15 49.3	1.969	2.899	9.9	19.3
7 10	20 30.38	−15 41.5	1.904	2.887	6.4	19.1
7 20	20 22.10	−15 38.6	1.865	2.875	2.7	18.8
7 30	20 13.24	−15 38.9	1.853	2.864	2.3	18.8
8 9	20 4.76	−15 40.5	1.868	2.852	6.0	19.0
8 19	19 57.52	−15 41.7	1.909	2.841	9.7	19.2
8 29	19 52.25	−15 41.4	1.973	2.829	13.0	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131390 2001 KN_{55}			7 24.9	1°.27	10°.6/17.4	18
	h m	° ′			°	m
6 20	20 37.52	−35 26.3	1.204	2.106	16.9	18.1
6 30	20 35.48	−38 0.0	1.157	2.102	13.7	17.9
7 10	20 30.11	−40 29.0	1.130	2.101	11.3	17.8
7 20	20 22.17	−42 38.8	1.126	2.101	10.7	17.7
7 30	20 13.13	−44 16.3	1.144	2.103	12.3	17.8
8 9	20 4.87	−45 14.9	1.182	2.106	15.2	18.0
8 19	19 59.03	−45 35.1	1.239	2.111	18.3	18.2
8 29	19 56.75	−45 21.9	1.312	2.118	21.0	18.5
484095 2006 RU_{20}			7 24.9	293°.95	3°.8/26.9	17
6 20	20 42.42	− 7 58.0	2.211	3.035	13.2	21.8
6 30	20 37.62	− 7 54.6	2.086	2.992	10.6	21.5
7 10	20 30.79	− 8 3.8	1.983	2.948	7.6	21.3
7 20	20 22.32	− 8 25.7	1.905	2.903	4.7	21.0
7 30	20 12.91	− 8 59.2	1.854	2.857	4.0	20.9
8 9	20 3.45	− 9 41.6	1.832	2.811	6.7	21.0
8 19	19 54.89	−10 29.6	1.835	2.763	10.3	21.1
8 29	19 48.09	−11 19.2	1.863	2.716	13.8	21.2
504977 2011 GF_{77}			7 24.9	146°.19	9°.0/19.9	18
6 20	20 51.61	−42 8.7	1.913	2.762	14.0	21.1
6 30	20 44.94	−43 25.9	1.861	2.767	11.6	21.0
7 10	20 35.38	−44 31.6	1.830	2.773	9.7	20.9
7 20	20 23.81	−45 17.4	1.824	2.777	9.0	20.8
7 30	20 11.57	−45 37.2	1.843	2.782	9.7	20.9
8 9	20 0.22	−45 29.6	1.885	2.786	11.6	21.0
8 19	19 51.03	−44 56.9	1.950	2.790	13.9	21.2
8 29	19 44.87	−44 4.5	2.034	2.794	16.0	21.3
368904 2006 TT_{1}			7 24.9	294°.01	0°.3/24.8	17
6 20	20 42.84	−18 1.2	1.434	2.311	16.2	21.3
6 30	20 38.79	−18 27.4	1.344	2.288	12.4	21.0
7 10	20 31.90	−19 4.7	1.275	2.265	7.8	20.7
7 20	20 22.77	−19 49.4	1.228	2.241	2.6	20.3
7 30	20 12.50	−20 35.9	1.206	2.218	2.9	20.2
8 9	20 2.53	−21 18.2	1.209	2.195	8.3	20.5
8 19	19 54.26	−21 52.3	1.235	2.172	13.4	20.7
8 29	19 48.85	−22 15.7	1.281	2.149	17.9	20.9
44636 1999 RQ_{103}			7 24.9	317°.11	0°.5/25.1	18
6 20	20 44.53	−19 20.1	1.271	2.154	17.5	18.1
6 30	20 40.15	−19 3.5	1.194	2.140	13.3	17.8
7 10	20 32.73	−18 52.9	1.137	2.127	8.4	17.5
7 20	20 23.02	−18 45.8	1.101	2.114	3.0	17.1
7 30	20 12.32	−18 39.1	1.090	2.102	2.9	17.1
8 9	20 2.26	−18 30.1	1.102	2.091	8.5	17.4
8 19	19 54.26	−18 17.7	1.137	2.080	13.8	17.7
8 29	19 49.40	−18 1.3	1.191	2.069	18.3	17.9
325124 2008 EM_{100}			7 24.9	118°.05	1°.3/25.7	17
6 20	20 43.67	−13 43.5	1.606	2.465	15.7	21.0
6 30	20 38.72	−14 14.6	1.540	2.472	11.9	20.8
7 10	20 31.42	−14 58.8	1.496	2.479	7.6	20.6
7 20	20 22.48	−15 52.4	1.475	2.486	3.1	20.3
7 30	20 12.93	−16 50.4	1.481	2.493	2.5	20.3
8 9	20 3.98	−17 47.2	1.513	2.499	7.0	20.6
8 19	19 56.67	−18 38.4	1.570	2.506	11.2	20.9
8 29	19 51.80	−19 21.2	1.650	2.512	14.9	21.1
59085 1998 VK_{29}			7 24.9	234°.43	3°.3/23.4	18
6 20	20 46.68	−23 58.2	1.422	2.301	16.2	19.1
6 30	20 41.61	−24 51.7	1.351	2.296	12.2	18.9
7 10	20 33.56	−25 50.8	1.301	2.290	7.7	18.6
7 20	20 23.29	−26 48.3	1.274	2.284	3.7	18.4
7 30	20 12.09	−27 36.7	1.273	2.278	4.8	18.4
8 9	20 1.52	−28 10.3	1.297	2.272	9.3	18.7
8 19	19 52.97	−28 27.0	1.343	2.265	13.8	18.9
8 29	19 47.47	−28 27.8	1.410	2.258	17.7	19.1
259756 2004 AU_{7}			7 24.9	184°.23	3°.6/26.9	17
6 20	20 43.42	− 9 0.2	1.716	2.557	15.6	20.9
6 30	20 38.45	− 9 3.7	1.640	2.557	12.3	20.6
7 10	20 31.24	− 9 22.4	1.586	2.557	8.5	20.4
7 20	20 22.44	− 9 55.0	1.555	2.557	4.8	20.2
7 30	20 13.00	−10 38.6	1.550	2.556	3.9	20.2
8 9	20 4.04	−11 28.8	1.572	2.555	7.1	20.3
8 19	19 56.55	−12 21.0	1.619	2.554	10.9	20.6
8 29	19 51.34	−13 10.9	1.688	2.552	14.5	20.8
438519 2007 RO_{269}			7 24.9	319°.05	3°.8/23.7	18
6 20	20 46.55	−28 57.3	1.575	2.452	15.0	20.1
6 30	20 41.31	−29 1.1	1.493	2.435	11.5	19.8
7 10	20 33.27	−29 1.6	1.433	2.419	7.6	19.5
7 20	20 23.17	−28 53.7	1.396	2.403	4.2	19.3
7 30	20 12.25	−28 33.2	1.385	2.388	4.9	19.3
8 9	20 1.99	−27 58.4	1.398	2.373	8.8	19.5
8 19	19 53.65	−27 10.8	1.436	2.359	13.0	19.7
8 29	19 48.19	−26 13.5	1.494	2.345	16.7	19.9

249802 2000 YZ_{138} 7 24.9 236°.29 1°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.60	−15 45.0	2.545	3.389	11.1	21.0
6 30	20 36.46	−15 39.8	2.456	3.380	8.4	20.8
7 10	20 29.73	−15 40.2	2.391	3.372	5.4	20.6
7 20	20 21.89	−15 44.8	2.352	3.363	2.3	20.3
7 30	20 13.61	−15 51.9	2.343	3.353	1.9	20.3
8 9	20 5.63	−15 59.8	2.361	3.344	5.1	20.5
8 19	19 58.65	−16 7.0	2.407	3.334	8.2	20.7
8 29	19 53.27	−16 12.2	2.477	3.324	11.0	20.9

503012 2015 FK_{110} 7 24.9 168°.52 2°.9/23.6 18

6 20	20 47.27	−26 24.1	1.879	2.744	13.5	21.5
6 30	20 41.25	−26 50.3	1.810	2.747	10.1	21.3
7 10	20 32.92	−27 16.6	1.763	2.749	6.5	21.1
7 20	20 22.99	−27 38.2	1.742	2.751	3.3	20.9
7 30	20 12.52	−27 50.8	1.749	2.752	4.0	21.0
8 9	20 2.68	−27 51.9	1.782	2.753	7.5	21.2
8 19	19 54.49	−27 41.5	1.840	2.754	11.1	21.4
8 29	19 48.72	−27 20.8	1.921	2.754	14.2	21.6

295408 2008 JF_{21} 7 24.9 42°.63 5°.2/28.5 18

6 20	20 38.33	− 2 47.3	2.284	3.092	13.3	20.4
6 30	20 34.11	− 2 36.6	2.206	3.094	10.9	20.3
7 10	20 28.31	− 2 40.8	2.150	3.096	8.3	20.1
7 20	20 21.41	− 3 0.1	2.119	3.099	6.0	20.0
7 30	20 14.11	− 3 33.2	2.113	3.101	5.2	19.9
8 9	20 7.15	− 4 17.4	2.134	3.104	6.6	20.0
8 19	20 1.21	− 5 8.9	2.181	3.107	9.0	20.2
8 29	19 56.89	− 6 3.7	2.253	3.110	11.6	20.3

397025 2005 TH_{194} 7 24.9 316°.55 1°.1/25.6 15

6 20	20 39.30	−15 29.1	1.879	2.741	13.6	21.3
6 30	20 35.37	−15 38.1	1.788	2.723	10.4	21.1
7 10	20 29.38	−15 56.2	1.720	2.705	6.7	20.8
7 20	20 21.85	−16 21.5	1.676	2.687	2.7	20.6
7 30	20 13.62	−16 51.0	1.658	2.670	2.3	20.5
8 9	20 5.71	−17 21.1	1.667	2.653	6.4	20.7
8 19	19 59.06	−17 48.8	1.700	2.637	10.4	20.9
8 29	19 54.47	−18 11.7	1.756	2.621	14.0	21.1

519728 2013 CX_{192} 7 24.9 345°.13 8°.6/19.4 18

6 20	20 47.78	−43 1.0	2.099	2.946	12.9	21.1
6 30	20 41.94	−44 13.7	2.042	2.946	10.9	21.0
7 10	20 33.49	−45 15.4	2.007	2.945	9.2	20.9
7 20	20 23.21	−45 58.9	1.996	2.945	8.6	20.8
7 30	20 12.29	−46 18.7	2.011	2.944	9.4	20.9
8 9	20 2.07	−46 13.0	2.049	2.944	11.1	21.0
8 19	19 53.73	−45 43.9	2.109	2.943	13.2	21.1
8 29	19 48.11	−44 55.4	2.188	2.943	15.2	21.3

57037 2000 YC_{105} 7 24.9 47°.29 4°.2/26.1 18

6 20	20 50.15	−13 21.2	1.103	1.975	20.4	17.5
6 30	20 43.74	−12 21.3	1.070	2.005	15.6	17.3
7 10	20 34.43	−11 35.2	1.055	2.037	10.4	17.1
7 20	20 23.42	−11 3.3	1.062	2.068	5.6	17.0
7 30	20 12.26	−10 44.4	1.093	2.100	4.8	17.0
8 9	20 2.51	−10 35.9	1.148	2.133	8.8	17.3
8 19	19 55.28	−10 34.8	1.225	2.166	13.1	17.7
8 29	19 51.21	−10 37.7	1.321	2.198	16.9	18.0

480762 2016 NH_{46} 7 24.9 168°.64 1°.5/25.8 18

6 20	20 42.71	−13 59.4	1.847	2.701	14.2	21.3
6 30	20 37.79	−14 15.4	1.773	2.702	10.8	21.1
7 10	20 30.78	−14 41.9	1.721	2.703	7.0	20.9
7 20	20 22.29	−15 16.6	1.694	2.704	3.0	20.6
7 30	20 13.24	−15 55.8	1.694	2.705	2.4	20.6
8 9	20 4.66	−16 35.6	1.721	2.706	6.4	20.8
8 19	19 57.48	−17 12.5	1.773	2.706	10.2	21.1
8 29	19 52.45	−17 44.2	1.848	2.707	13.7	21.3

331564 2001 OF_{27} 7 24.9 28°.87 12°.0/30.1 17

6 20	20 41.99	+ 4 14.1	1.363	2.168	20.8	19.9
6 30	20 37.71	+ 5 47.9	1.305	2.174	18.0	19.7
7 10	20 30.92	+ 6 56.0	1.265	2.181	15.2	19.5
7 20	20 22.37	+ 7 32.9	1.243	2.189	12.9	19.4
7 30	20 13.18	+ 7 36.0	1.243	2.197	12.0	19.4
8 9	20 4.64	+ 7 7.6	1.264	2.206	12.9	19.5
8 19	19 57.88	+ 6 13.9	1.306	2.216	15.0	19.6
8 29	19 53.73	+ 5 3.4	1.367	2.225	17.5	19.8

152462 2005 VF_{71} 7 24.9 326°.21 5°.2/21.5 18

6 20	20 40.58	−29 40.9	1.824	2.703	13.2	19.0
6 30	20 36.64	−30 55.6	1.748	2.690	10.1	18.8
7 10	20 30.31	−32 11.1	1.695	2.677	7.1	18.6
7 20	20 22.20	−33 20.6	1.666	2.664	5.2	18.5
7 30	20 13.30	−34 17.0	1.664	2.652	6.3	18.5
8 9	20 4.80	−34 55.6	1.686	2.641	9.3	18.7
8 19	19 57.82	−35 14.8	1.732	2.630	12.6	18.8
8 29	19 53.26	−35 15.6	1.798	2.619	15.6	19.0

171781 2001 BG_{52} 7 24.9 166°.54 0°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 44.79	−17 34.0	1.597	2.464	15.4	20.5
6 30	20 39.70	−18 12.0	1.528	2.466	11.6	20.3
7 10	20 32.14	−19 0.0	1.480	2.468	7.2	20.0
7 20	20 22.79	−19 53.5	1.456	2.469	2.4	19.7
7 30	20 12.75	−20 46.7	1.459	2.470	2.6	19.8
8 9	20 3.29	−21 34.4	1.488	2.471	7.3	20.1
8 19	19 55.52	−22 13.0	1.541	2.472	11.7	20.3
8 29	19 50.30	−22 41.0	1.617	2.472	15.4	20.6

439745 2015 FT_{299} 7 24.9 64°.64 3°.6/27.3 18

6 20	20 40.50	− 7 11.0	1.726	2.565	15.6	20.2
6 30	20 36.15	− 7 40.3	1.662	2.577	12.3	20.0
7 10	20 29.75	− 8 27.4	1.618	2.589	8.5	19.8
7 20	20 21.94	− 9 30.0	1.599	2.600	4.9	19.6
7 30	20 13.64	−10 43.6	1.606	2.612	3.8	19.6
8 9	20 5.87	−12 2.3	1.640	2.624	6.7	19.8
8 19	19 59.53	−13 20.2	1.699	2.636	10.3	20.0
8 29	19 55.33	−14 32.5	1.781	2.648	13.7	20.3

390153 2012 VF_{89} 7 24.9 247°.92 4°.2/22.4 18

6 20	20 43.88	−28 25.4	1.936	2.807	12.9	21.3
6 30	20 38.85	−29 23.8	1.864	2.803	9.8	21.1
7 10	20 31.54	−30 22.5	1.815	2.799	6.6	20.9
7 20	20 22.58	−31 15.6	1.792	2.794	4.3	20.8
7 30	20 12.96	−31 57.3	1.796	2.790	5.2	20.8
8 9	20 3.83	−32 23.8	1.826	2.786	8.3	21.0
8 19	19 56.22	−32 34.2	1.880	2.782	11.5	21.2
8 29	19 50.94	−32 29.6	1.956	2.777	14.5	21.4

93119 2000 SJ_{59} 7 24.9 25°.15 1°.1/25.4 18

6 20	20 42.88	−16 27.1	1.484	2.356	16.1	19.5
6 30	20 38.30	−16 28.6	1.420	2.359	12.2	19.3
7 10	20 31.25	−16 39.5	1.376	2.363	7.7	19.0
7 20	20 22.48	−16 57.1	1.355	2.367	2.9	18.7
7 30	20 13.11	−17 17.9	1.360	2.372	2.5	18.7
8 9	20 4.42	−17 38.1	1.390	2.377	7.3	19.0
8 19	19 57.50	−17 55.0	1.444	2.383	11.7	19.3
8 29	19 53.15	−18 6.8	1.519	2.389	15.5	19.5

340369 2006 DV_{140} 7 24.9 317°.68 4°.3/22.9 17

6 20	20 44.96	−28 29.3	1.680	2.556	14.3	20.7
6 30	20 39.91	−29 12.0	1.611	2.552	10.9	20.5
7 10	20 32.29	−29 54.1	1.564	2.549	7.2	20.2
7 20	20 22.85	−30 29.6	1.541	2.545	4.5	20.1
7 30	20 12.71	−30 52.7	1.544	2.542	5.4	20.1
8 9	20 3.21	−31 0.2	1.572	2.539	8.8	20.3
8 19	19 55.50	−30 51.8	1.624	2.536	12.4	20.5
8 29	19 50.44	−30 29.5	1.697	2.533	15.7	20.7

338874 2004 BE_{18} 7 24.9 278°.98 7°.5/19.6 18

6 20	20 45.84	−36 54.3	1.981	2.844	13.0	20.0
6 30	20 40.74	−38 22.8	1.901	2.825	10.5	19.8
7 10	20 32.98	−39 47.2	1.845	2.806	8.4	19.7
7 20	20 23.16	−40 59.3	1.814	2.787	7.5	19.6
7 30	20 12.35	−41 51.5	1.809	2.767	8.6	19.6
8 9	20 1.89	−42 19.5	1.828	2.748	10.9	19.7
8 19	19 53.07	−42 23.0	1.870	2.728	13.6	19.8
8 29	19 46.90	−42 4.7	1.932	2.709	16.2	20.0

280651 2005 BE_{33} 7 24.9 350°.48 0°.4/24.7 18

6 20	20 33.52	−13 23.6	1.169	2.062	18.0	19.0
6 30	20 32.02	−14 58.4	1.098	2.050	13.7	18.7
7 10	20 27.79	−16 58.2	1.047	2.040	8.5	18.4
7 20	20 21.44	−19 15.7	1.018	2.032	2.8	18.1
7 30	20 14.11	−21 39.0	1.013	2.025	3.2	18.1
8 9	20 7.25	−23 54.9	1.032	2.020	9.0	18.4
8 19	20 2.24	−25 52.6	1.073	2.017	14.2	18.7
8 29	20 0.16	−27 25.8	1.133	2.016	18.7	19.0

30002 2000 AP_{233} 7 24.9 138°.47 0°.4/25.1 17

6 20	20 46.32	−16 26.8	1.401	2.270	17.0	19.1
6 30	20 41.08	−16 56.2	1.337	2.276	12.8	18.9
7 10	20 33.09	−17 37.3	1.294	2.281	8.0	18.6
7 20	20 23.14	−18 25.7	1.273	2.286	2.8	18.3
7 30	20 12.48	−19 15.3	1.279	2.291	2.7	18.3
8 9	20 2.53	−20 0.7	1.310	2.295	7.8	18.6
8 19	19 54.54	−20 37.9	1.364	2.299	12.5	18.9
8 29	19 49.41	−21 5.2	1.440	2.303	16.5	19.2

322165 2010 XH_{1} 7 24.9 329°.56 11°.8/13.7 18

6 20	20 44.15	−44 54.6	1.747	2.605	14.6	19.4
6 30	20 40.40	−47 29.2	1.685	2.587	12.9	19.3
7 10	20 33.30	−49 54.5	1.647	2.570	11.9	19.2
7 20	20 23.41	−51 58.1	1.632	2.553	12.1	19.1
7 30	20 12.01	−53 29.7	1.640	2.537	13.4	19.2
8 9	20 0.90	−54 23.9	1.669	2.521	15.4	19.3
8 19	19 51.87	−54 41.3	1.716	2.507	17.5	19.4
8 29	19 46.36	−54 26.8	1.779	2.493	19.5	19.5

62185 2000 SK_{39} 7 24.9 291.°73 6.°1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 44.35	−34 53.1	2.075	2.940	12.4	19.1
6 30	20 39.27	−35 53.1	1.999	2.928	9.8	18.9
7 10	20 31.84	−36 48.8	1.947	2.916	7.4	18.7
7 20	20 22.71	−37 33.6	1.920	2.905	6.1	18.6
7 30	20 12.88	−38 2.1	1.919	2.893	7.0	18.6
8 9	20 3.52	−38 11.3	1.944	2.882	9.3	18.8
8 19	19 55.70	−38 1.3	1.992	2.870	12.1	18.9
8 29	19 50.24	−37 34.4	2.061	2.859	14.7	19.1

163998 2003 UL_{164} 7 24.9 357.°53 0.°7/24.6 18

6 20	20 41.10	−18 57.3	1.615	2.490	14.8	19.6
6 30	20 36.94	−19 30.8	1.546	2.489	11.1	19.3
7 10	20 30.42	−20 12.7	1.498	2.487	6.9	19.1
7 20	20 22.23	−20 58.7	1.474	2.487	2.3	18.8
7 30	20 13.40	−21 43.5	1.475	2.487	2.7	18.8
8 9	20 5.10	−22 22.5	1.503	2.487	7.2	19.1
8 19	19 58.41	−22 52.7	1.554	2.487	11.4	19.3
8 29	19 54.13	−23 12.5	1.627	2.488	15.1	19.6

254902 2005 SO_{83} 7 24.9 47.°26 4.°5/22.5 18

6 20	20 44.51	−31 30.0	2.134	2.999	12.1	20.9
6 30	20 39.06	−32 7.2	2.067	3.000	9.3	20.7
7 10	20 31.51	−32 40.9	2.024	3.002	6.5	20.5
7 20	20 22.55	−33 6.4	2.006	3.003	4.6	20.4
7 30	20 13.11	−33 19.5	2.015	3.005	5.3	20.4
8 9	20 4.23	−33 18.0	2.051	3.006	7.8	20.6
8 19	19 56.84	−33 2.4	2.111	3.008	10.7	20.8
8 29	19 51.64	−32 34.6	2.194	3.009	13.3	21.0

337986 2002 CU_{201} 7 24.9 315.°94 3.°8/23.4 18

6 20	20 45.86	−27 50.0	1.572	2.450	15.0	20.1
6 30	20 40.74	−28 13.9	1.499	2.442	11.4	19.8
7 10	20 32.89	−28 37.0	1.448	2.435	7.5	19.6
7 20	20 23.09	−28 53.7	1.420	2.427	4.2	19.4
7 30	20 12.54	−28 58.7	1.418	2.420	5.0	19.4
8 9	20 2.66	−28 49.5	1.441	2.413	8.8	19.6
8 19	19 54.70	−28 26.2	1.487	2.407	12.8	19.8
8 29	19 49.54	−27 51.1	1.554	2.401	16.4	20.0

175329 2005 NQ_{24} 7 24.9 4.°06 0.°8/25.3 18

6 20	20 43.09	−17 54.4	1.871	2.733	13.7	20.0
6 30	20 38.03	−17 41.1	1.798	2.732	10.4	19.8
7 10	20 30.91	−17 33.2	1.747	2.733	6.5	19.6
7 20	20 22.36	−17 28.9	1.721	2.733	2.4	19.3
7 30	20 13.32	−17 26.2	1.722	2.734	2.2	19.3
8 9	20 4.81	−17 23.2	1.750	2.735	6.3	19.6
8 19	19 57.75	−17 18.6	1.803	2.736	10.1	19.8
8 29	19 52.85	−17 11.5	1.878	2.737	13.4	20.0

19116 1981 EZ_{40} 7 24.9 306.°22 3.°8/23.6 18

6 20	20 45.42	−26 10.8	1.269	2.159	17.1	18.2
6 30	20 41.18	−26 37.2	1.189	2.138	13.1	17.9
7 10	20 33.62	−27 5.7	1.128	2.118	8.5	17.6
7 20	20 23.47	−27 29.7	1.089	2.098	4.3	17.3
7 30	20 12.11	−27 42.4	1.073	2.079	5.3	17.3
8 9	20 1.32	−27 39.1	1.081	2.060	10.1	17.5
8 19	19 52.71	−27 19.3	1.110	2.041	15.1	17.7
8 29	19 47.52	−26 45.3	1.158	2.023	19.6	17.9

513503 2009 PD_{9} 7 24.9 344.°75 3.°0/23.5 18

6 20	20 41.29	−26 37.1	1.848	2.724	13.2	20.7
6 30	20 36.92	−27 0.6	1.774	2.717	9.9	20.5
7 10	20 30.34	−27 24.4	1.722	2.710	6.4	20.2
7 20	20 22.20	−27 44.0	1.695	2.703	3.4	20.0
7 30	20 13.49	−27 55.4	1.694	2.698	4.1	20.1
8 9	20 5.30	−27 55.9	1.719	2.693	7.5	20.3
8 19	19 58.62	−27 45.1	1.768	2.688	11.1	20.5
8 29	19 54.22	−27 23.8	1.839	2.685	14.3	20.7

345027 2005 EE_{110} 7 24.9 290.°41 4.°7/28.1 18

6 20	20 39.35	− 4 27.2	1.824	2.652	15.4	21.1
6 30	20 35.47	− 4 48.3	1.731	2.635	12.5	20.8
7 10	20 29.51	− 5 29.5	1.658	2.619	9.1	20.6
7 20	20 21.97	− 6 30.3	1.609	2.603	5.9	20.4
7 30	20 13.67	− 7 47.8	1.586	2.587	4.8	20.3
8 9	20 5.60	− 9 16.5	1.589	2.571	7.2	20.4
8 19	19 58.74	−10 49.9	1.618	2.555	10.8	20.6
8 29	19 53.94	−12 21.5	1.670	2.539	14.3	20.7

314503 2005 WB_{211} 7 24.9 294.°24 0.°6/25.3 18

6 20	20 40.11	−16 28.9	2.167	3.023	12.3	21.3
6 30	20 35.68	−16 43.3	2.082	3.013	9.3	21.1
7 10	20 29.43	−17 5.1	2.020	3.004	5.9	20.9
7 20	20 21.90	−17 32.0	1.983	2.995	2.2	20.6
7 30	20 13.81	−18 1.0	1.974	2.986	1.9	20.6
8 9	20 6.07	−18 29.2	1.992	2.977	5.7	20.8
8 19	19 59.46	−18 54.0	2.037	2.968	9.2	21.0
8 29	19 54.67	−19 13.8	2.105	2.959	12.4	21.2

282947 2007 RG_{99} 7 24.9 258.°84 1.°6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 41.85	−14 3.0	1.960	2.812	13.6	21.0
6 30	20 37.16	−14 13.2	1.875	2.803	10.4	20.8
7 10	20 30.44	−14 33.2	1.812	2.793	6.8	20.5
7 20	20 22.26	−15 1.1	1.774	2.784	2.9	20.3
7 30	20 13.45	−15 33.8	1.764	2.775	2.4	20.2
8 9	20 5.00	−16 8.0	1.780	2.765	6.2	20.4
8 19	19 57.81	−16 40.4	1.822	2.756	10.0	20.7
8 29	19 52.65	−17 8.7	1.887	2.746	13.4	20.8

325831 2010 SF_{18} 7 24.9 254.°31 1.°9/25.8 17

6 20	20 44.53	−13 41.3	1.615	2.472	15.7	21.9
6 30	20 39.66	−13 50.7	1.528	2.459	12.1	21.6
7 10	20 32.25	−14 12.6	1.462	2.445	7.9	21.3
7 20	20 22.94	−14 44.7	1.420	2.430	3.5	21.0
7 30	20 12.73	−15 23.4	1.404	2.415	2.8	20.9
8 9	20 2.88	−16 4.1	1.414	2.400	7.3	21.2
8 19	19 54.58	−16 42.9	1.449	2.385	11.9	21.4
8 29	19 48.80	−17 16.5	1.505	2.369	15.9	21.6

43138 1999 XJ_{86} 7 24.9 2.°55 3.°3/22.8 18

6 20	20 41.45	−23 38.4	1.681	2.560	14.2	18.1
6 30	20 37.27	−24 58.0	1.614	2.559	10.6	17.9
7 10	20 30.70	−26 23.6	1.570	2.559	6.7	17.6
7 20	20 22.38	−27 48.3	1.551	2.559	3.6	17.4
7 30	20 13.34	−29 4.3	1.558	2.560	4.7	17.5
8 9	20 4.79	−30 5.8	1.591	2.561	8.4	17.7
8 19	19 57.84	−30 49.7	1.648	2.562	12.2	18.0
8 29	19 53.35	−31 16.0	1.726	2.563	15.4	18.2

379794 2011 HC_{84} 7 24.9 143.°80 2.°7/23.6 18

6 20	20 47.61	−25 57.2	2.000	2.861	12.9	21.2
6 30	20 41.35	−26 25.2	1.935	2.870	9.7	21.1
7 10	20 32.92	−26 53.4	1.893	2.878	6.2	20.9
7 20	20 23.05	−27 17.3	1.877	2.886	3.1	20.7
7 30	20 12.72	−27 32.9	1.890	2.893	3.7	20.7
8 9	20 3.03	−27 37.8	1.929	2.900	7.1	21.0
8 19	19 54.91	−27 31.9	1.995	2.907	10.5	21.2
8 29	19 49.07	−27 16.2	2.083	2.913	13.4	21.4

440005 2002 ER_{62} 7 24.9 157.°57 2.°9/23.2 18

6 20	20 44.53	−29 1.6	2.685	3.540	10.2	21.7
6 30	20 38.60	−29 24.3	2.615	3.545	7.7	21.6
7 10	20 31.04	−29 44.9	2.570	3.550	5.1	21.4
7 20	20 22.39	−30 0.2	2.551	3.555	3.1	21.3
7 30	20 13.39	−30 7.3	2.562	3.559	3.6	21.3
8 9	20 4.85	−30 4.8	2.601	3.563	6.0	21.5
8 19	19 57.48	−29 52.5	2.666	3.566	8.6	21.7
8 29	19 51.84	−29 31.6	2.756	3.569	11.0	21.8

123080 2000 SA_{316} 7 24.9 286.°73 7.°1/27.1 18

6 20	20 44.40	− 4 45.1	1.733	2.556	16.3	19.1
6 30	20 39.39	− 3 37.2	1.638	2.536	13.5	18.9
7 10	20 32.02	− 2 41.9	1.564	2.515	10.4	18.6
7 20	20 22.86	− 2 2.1	1.513	2.494	7.8	18.4
7 30	20 12.81	− 1 39.9	1.487	2.473	7.3	18.4
8 9	20 3.02	− 1 34.9	1.487	2.452	9.3	18.4
8 19	19 54.59	− 1 44.9	1.510	2.431	12.6	18.6
8 29	19 48.44	− 2 5.9	1.555	2.410	15.9	18.7

428566 2008 CP_{156} 7 24.9 264.°90 0.°6/25.3 17

6 20	20 43.81	−15 30.4	1.624	2.486	15.4	21.7
6 30	20 39.20	−16 3.0	1.533	2.469	11.8	21.4
7 10	20 32.03	−16 48.4	1.465	2.451	7.5	21.1
7 20	20 22.89	−17 43.1	1.420	2.432	2.7	20.8
7 30	20 12.77	−18 42.0	1.402	2.414	2.5	20.7
8 9	20 2.94	−19 39.2	1.409	2.395	7.5	21.0
8 19	19 54.62	−20 30.0	1.442	2.375	12.1	21.2
8 29	19 48.83	−21 11.4	1.495	2.356	16.2	21.4

318615 2005 JS_{75} 7 24.9 62.°56 1.°9/24.1 17

6 20	20 45.86	−21 24.3	1.314	2.197	17.1	20.8
6 30	20 40.76	−22 6.5	1.267	2.213	12.7	20.6
7 10	20 32.84	−22 54.9	1.239	2.230	7.8	20.4
7 20	20 23.06	−23 43.3	1.235	2.248	2.9	20.1
7 30	20 12.76	−24 25.0	1.256	2.265	3.7	20.2
8 9	20 3.43	−24 55.3	1.301	2.283	8.4	20.5
8 19	19 56.25	−25 12.5	1.370	2.301	12.8	20.8
8 29	19 52.03	−25 16.9	1.458	2.318	16.5	21.1

513110 2017 WH_{26} 7 24.9 206.°16 1.°6/23.9 18

6 20	20 43.46	−19 10.8	1.784	2.650	14.1	20.9
6 30	20 38.65	−20 27.1	1.709	2.647	10.5	20.6
7 10	20 31.52	−21 53.5	1.656	2.645	6.5	20.4
7 20	20 22.67	−23 24.0	1.630	2.642	2.4	20.1
7 30	20 13.05	−24 51.3	1.631	2.639	3.3	20.2
8 9	20 3.83	−26 8.8	1.659	2.636	7.5	20.4
8 19	19 56.08	−27 12.2	1.713	2.632	11.4	20.7
8 29	19 50.67	−27 59.8	1.789	2.628	14.9	20.9

256958 2008 EM_{76} 7 24.9 158.°29 1.°7/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 47.08	−22 6.4	1.878	2.740	13.7	22.0
6 30	20 41.10	−22 42.1	1.810	2.746	10.2	21.8
7 10	20 32.88	−23 22.0	1.765	2.752	6.3	21.6
7 20	20 23.08	−24 1.4	1.746	2.757	2.5	21.4
7 30	20 12.74	−24 35.5	1.754	2.762	3.1	21.4
8 9	20 2.97	−25 0.9	1.789	2.766	7.0	21.7
8 19	19 54.79	−25 16.0	1.851	2.770	10.7	21.9
8 29	19 48.94	−25 20.9	1.934	2.773	14.0	22.1

111803 2002 CH_{248} 7 24.9 207.°09 0.°9/25.5 17

6 20	20 45.89	−14 56.0	1.813	2.664	14.5	20.3
6 30	20 40.38	−15 23.0	1.730	2.658	11.1	20.1
7 10	20 32.55	−16 0.9	1.669	2.652	7.1	19.9
7 20	20 23.02	−16 46.6	1.634	2.646	2.7	19.6
7 30	20 12.76	−17 35.7	1.627	2.638	2.3	19.5
8 9	20 2.89	−18 23.5	1.646	2.630	6.7	19.8
8 19	19 54.48	−19 6.3	1.692	2.621	10.9	20.0
8 29	19 48.39	−19 41.7	1.760	2.612	14.5	20.2

337159 1999 UU_{18} 7 24.9 222.°10 0.°7/24.5 18

6 20	20 43.97	−20 17.4	2.415	3.267	11.3	22.5
6 30	20 38.46	−20 43.0	2.325	3.256	8.5	22.3
7 10	20 31.13	−21 13.2	2.259	3.245	5.3	22.1
7 20	20 22.50	−21 44.8	2.221	3.233	1.8	21.8
7 30	20 13.30	−22 14.7	2.210	3.221	2.1	21.8
8 9	20 4.40	−22 39.8	2.229	3.208	5.7	22.0
8 19	19 56.60	−22 58.4	2.275	3.194	9.0	22.2
8 29	19 50.58	−23 9.7	2.344	3.180	11.9	22.4

20642 Laurajohnson 7 24.9 254.°99 1.°7/26.1 18

6 20	20 39.60	−12 49.2	2.463	3.304	11.5	19.6
6 30	20 35.11	−13 2.6	2.372	3.293	8.8	19.4
7 10	20 29.01	−13 24.9	2.304	3.282	5.8	19.2
7 20	20 21.77	−13 54.6	2.263	3.271	2.7	18.9
7 30	20 14.04	−14 29.1	2.249	3.259	2.2	18.9
8 9	20 6.56	−15 5.7	2.264	3.248	5.2	19.1
8 19	20 0.04	−15 41.6	2.306	3.236	8.4	19.2
8 29	19 55.10	−16 14.6	2.372	3.225	11.2	19.4

63403 2001 KT_{30} 7 24.9 328.°82 1.°3/24.3 18

6 20	20 41.82	−21 13.6	1.688	2.563	14.3	19.1
6 30	20 37.48	−21 38.4	1.613	2.556	10.7	18.9
7 10	20 30.80	−22 8.9	1.559	2.549	6.7	18.6
7 20	20 22.43	−22 40.8	1.530	2.542	2.4	18.3
7 30	20 13.38	−23 9.7	1.526	2.536	2.9	18.3
8 9	20 4.84	−23 31.6	1.548	2.531	7.3	18.6
8 19	19 57.85	−23 44.6	1.595	2.525	11.4	18.8
8 29	19 53.26	−23 48.0	1.663	2.520	15.0	19.0

156575 2002 ER_{136} 7 24.9 188.°38 1.°0/25.7 18

6 20	20 40.15	−14 50.3	2.500	3.344	11.2	21.3
6 30	20 35.44	−15 9.3	2.419	3.344	8.5	21.1
7 10	20 29.16	−15 35.8	2.362	3.343	5.4	20.9
7 20	20 21.81	−16 7.7	2.332	3.342	2.2	20.7
7 30	20 14.04	−16 42.3	2.330	3.341	1.8	20.7
8 9	20 6.58	−17 16.9	2.356	3.340	5.0	20.9
8 19	20 0.12	−17 48.9	2.410	3.338	8.1	21.1
8 29	19 55.24	−18 16.7	2.488	3.337	10.9	21.3

136252 2003 XX_{34} 7 24.9 13.°02 2.°8/24.4 18

6 20	20 47.24	−26 11.2	1.105	2.000	18.7	18.4
6 30	20 42.38	−25 58.7	1.050	2.002	14.1	18.1
7 10	20 34.14	−25 44.7	1.013	2.005	8.9	17.8
7 20	20 23.57	−25 24.3	0.998	2.010	3.8	17.6
7 30	20 12.35	−24 53.9	1.006	2.015	4.4	17.6
8 9	20 2.30	−24 12.8	1.036	2.021	9.5	17.9
8 19	19 54.86	−23 23.1	1.088	2.029	14.5	18.2
8 29	19 50.92	−22 28.0	1.159	2.037	18.7	18.5

52480 Enzomora 7 24.9 73.°62 0.°9/24.7 18

6 20	20 48.04	−20 55.0	1.253	2.134	17.8	19.3
6 30	20 42.66	−21 1.8	1.193	2.139	13.4	19.0
7 10	20 34.21	−21 14.5	1.153	2.144	8.3	18.7
7 20	20 23.61	−21 28.6	1.135	2.149	2.8	18.4
7 30	20 12.30	−21 39.2	1.142	2.154	3.2	18.5
8 9	20 1.92	−21 42.9	1.173	2.159	8.6	18.8
8 19	19 53.82	−21 38.4	1.227	2.164	13.5	19.1
8 29	19 48.93	−21 26.3	1.300	2.169	17.6	19.4

310625 2002 AU_{142} 7 24.9 241.°19 0.°2/24.9 18

6 20	20 40.25	−17 7.8	2.299	3.153	11.7	20.9
6 30	20 35.74	−17 51.5	2.215	3.147	8.8	20.7
7 10	20 29.48	−18 43.1	2.155	3.141	5.5	20.5
7 20	20 21.96	−19 39.5	2.122	3.135	1.8	20.2
7 30	20 13.90	−20 36.5	2.117	3.128	1.9	20.2
8 9	20 6.14	−21 30.1	2.140	3.121	5.6	20.5
8 19	19 59.44	−22 17.2	2.189	3.115	9.0	20.7
8 29	19 54.48	−22 55.9	2.263	3.108	12.0	20.9

119937 2002 GR_{49} 7 24.9 98.°66 0.°9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 42.26	−16 51.3	2.271	3.122	12.0	19.9
6 30	20 37.09	−16 44.5	2.196	3.125	9.1	19.7
7 10	20 30.21	−16 43.2	2.145	3.128	5.7	19.5
7 20	20 22.17	−16 45.6	2.120	3.131	2.2	19.3
7 30	20 13.74	−16 50.0	2.122	3.134	1.9	19.2
8 9	20 5.75	−16 54.5	2.153	3.137	5.4	19.5
8 19	19 58.93	−16 57.6	2.210	3.140	8.7	19.7
8 29	19 53.90	−16 58.3	2.291	3.143	11.6	19.9

69957 1998 VM_{29} 7 24.9 231.°20 5.°5/27.9 18

6 20	20 41.84	− 3 27.3	2.261	3.065	13.5	19.5
6 30	20 36.87	− 2 56.8	2.171	3.057	11.1	19.3
7 10	20 30.16	− 2 39.8	2.103	3.048	8.5	19.1
7 20	20 22.20	− 2 37.1	2.060	3.039	6.2	19.0
7 30	20 13.70	− 2 48.6	2.043	3.030	5.5	18.9
8 9	20 5.48	− 3 12.4	2.054	3.020	7.1	19.0
8 19	19 58.32	− 3 45.5	2.090	3.010	9.7	19.1
8 29	19 52.86	− 4 24.2	2.150	2.999	12.3	19.3

255286 2005 VS_{78} 7 24.9 262.°46 2.°8/22.9 18

6 20	20 41.20	−25 19.8	2.294	3.159	11.4	20.4
6 30	20 36.56	−26 16.5	2.214	3.152	8.5	20.2
7 10	20 30.05	−27 15.8	2.159	3.145	5.5	20.0
7 20	20 22.18	−28 13.1	2.130	3.137	3.0	19.8
7 30	20 13.73	−29 3.6	2.129	3.130	3.8	19.9
8 9	20 5.61	−29 43.6	2.156	3.122	6.8	20.0
8 19	19 58.65	−30 11.3	2.209	3.115	9.9	20.2
8 29	19 53.55	−30 26.3	2.284	3.107	12.6	20.4

58305 1994 PM_{11} 7 24.9 342.°59 1.°3/25.6 18

6 20	20 39.13	−15 37.3	1.669	2.539	14.7	18.6
6 30	20 35.43	−15 37.8	1.591	2.529	11.2	18.3
7 10	20 29.53	−15 47.8	1.534	2.520	7.2	18.1
7 20	20 22.03	−16 5.2	1.501	2.512	2.9	17.8
7 30	20 13.88	−16 27.0	1.493	2.504	2.4	17.7
8 9	20 6.19	−16 49.8	1.510	2.498	6.7	18.0
8 19	19 59.94	−17 10.7	1.552	2.492	10.9	18.2
8 29	19 55.94	−17 27.3	1.615	2.487	14.6	18.4

395724 2012 UZ_{18} 7 24.9 247.°48 18.°1/ 3.1 14 C

6 20	20 43.92	+18 45.3	1.465	2.171	23.6	22.2
6 30	20 39.58	+20 26.8	1.387	2.158	22.1	22.0
7 10	20 32.47	+21 35.5	1.322	2.145	20.4	21.9
7 20	20 23.14	+22 2.5	1.273	2.131	19.0	21.7
7 30	20 12.67	+21 41.0	1.240	2.116	18.2	21.6
8 9	20 2.44	+20 30.3	1.225	2.101	18.3	21.6
8 19	19 53.83	+18 36.0	1.228	2.085	19.4	21.6
8 29	19 47.98	+16 8.9	1.249	2.069	21.1	21.7

102100 1999 RG_{159} 7 24.9 315.°28 1.°9/25.9 18

6 20	20 38.89	−13 4.1	1.461	2.332	16.3	19.5
6 30	20 35.80	−13 24.8	1.365	2.303	12.7	19.2
7 10	20 30.12	−14 1.7	1.288	2.274	8.4	18.9
7 20	20 22.35	−14 52.9	1.235	2.245	3.7	18.6
7 30	20 13.47	−15 54.0	1.206	2.217	2.9	18.4
8 9	20 4.76	−16 58.9	1.201	2.190	7.8	18.7
8 19	19 57.55	−18 1.6	1.219	2.163	12.9	18.9
8 29	19 52.96	−18 56.9	1.258	2.137	17.4	19.1

434114 2002 PA_{103} 7 24.9 7.°99 4.°5/25.5 16

6 20	20 46.36	−16 19.1	1.163	2.043	18.9	19.5
6 30	20 41.33	−14 31.3	1.104	2.045	14.7	19.3
7 10	20 33.31	−12 47.7	1.065	2.049	9.9	19.0
7 20	20 23.29	−11 11.8	1.048	2.055	5.5	18.8
7 30	20 12.72	− 9 47.3	1.056	2.062	5.2	18.8
8 9	20 3.17	− 8 36.8	1.087	2.071	9.3	19.1
8 19	19 55.91	− 7 41.1	1.140	2.082	13.8	19.4
8 29	19 51.76	− 6 58.6	1.212	2.094	17.8	19.7

168290 2045 $P–L$ 7 24.9 295.°24 5.°5/22.8 18

6 20	20 47.47	−29 10.0	1.319	2.204	16.8	20.4
6 30	20 42.89	−29 53.8	1.233	2.179	13.0	20.1
7 10	20 34.85	−30 38.2	1.168	2.154	8.9	19.8
7 20	20 24.02	−31 15.0	1.125	2.129	5.7	19.6
7 30	20 11.80	−31 35.5	1.105	2.104	6.9	19.5
8 9	20 0.05	−31 34.5	1.109	2.079	11.2	19.7
8 19	19 50.51	−31 11.5	1.135	2.054	15.9	19.9
8 29	19 44.51	−30 30.0	1.178	2.030	20.2	20.1

114864 2003 QM_{1} 7 24.9 268.°09 4.°1/23.4 18

6 20	20 48.78	−30 16.6	1.884	2.748	13.5	20.0
6 30	20 42.63	−30 31.8	1.802	2.737	10.4	19.7
7 10	20 33.97	−30 43.4	1.744	2.725	7.0	19.5
7 20	20 23.53	−30 46.4	1.710	2.713	4.3	19.3
7 30	20 12.42	−30 36.6	1.703	2.701	5.0	19.3
8 9	20 1.91	−30 12.3	1.723	2.689	8.2	19.5
8 19	19 53.12	−29 34.6	1.768	2.677	11.7	19.7
8 29	19 46.89	−28 46.1	1.836	2.665	15.0	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417925 2007 RS_{244}			7 24.9 308°.03		2°.2/24.1 17	
	h m	° ′			°	m
6 20	20 43.85	−21 49.6	1.251	2.139	17.3	21.1
6 30	20 39.86	−22 24.8	1.177	2.127	13.1	20.9
7 10	20 32.75	−23 8.1	1.124	2.116	8.2	20.6
7 20	20 23.24	−23 53.3	1.092	2.105	3.2	20.2
7 30	20 12.67	−24 33.4	1.084	2.094	4.1	20.2
8 9	20 2.70	−25 2.4	1.100	2.083	9.3	20.5
8 19	19 54.83	−25 17.4	1.137	2.073	14.4	20.8
8 29	19 50.20	−25 18.4	1.194	2.063	18.8	21.0
200854 2001 YG_{54}			7 24.9 281°.41		0°.7/25.2 18	
6 20	20 46.24	−18 5.1	1.361	2.235	17.1	19.7
6 30	20 41.42	−17 59.5	1.278	2.220	13.1	19.4
7 10	20 33.61	−18 1.8	1.216	2.205	8.3	19.1
7 20	20 23.52	−18 9.5	1.177	2.190	3.0	18.8
7 30	20 12.38	−18 18.7	1.162	2.175	2.8	18.7
8 9	20 1.75	−18 26.1	1.172	2.159	8.3	19.0
8 19	19 53.06	−18 29.3	1.205	2.144	13.5	19.2
8 29	19 47.39	−18 27.2	1.258	2.129	17.9	19.5
293067 2006 WC_{159}			7 24.9 281°.40		0°.8/25.4 18	
6 20	20 40.76	−15 59.1	2.105	2.960	12.6	20.9
6 30	20 36.28	−16 14.8	2.017	2.948	9.6	20.7
7 10	20 29.90	−16 38.6	1.952	2.936	6.1	20.5
7 20	20 22.15	−17 8.2	1.912	2.924	2.3	20.2
7 30	20 13.80	−17 40.6	1.900	2.912	2.0	20.2
8 9	20 5.76	−18 12.4	1.915	2.899	5.9	20.4
8 19	19 58.88	−18 41.0	1.956	2.887	9.5	20.6
8 29	19 53.89	−19 4.4	2.020	2.875	12.8	20.8
286907 2002 PX_{72}			7 24.9 40°.28		8°.9/ 1.5 18	
6 20	20 39.19	+ 8 12.6	1.809	2.572	17.9	20.1
6 30	20 35.21	+ 7 57.0	1.735	2.577	15.5	19.9
7 10	20 29.26	+ 7 12.6	1.678	2.583	12.8	19.7
7 20	20 21.92	+ 5 58.1	1.643	2.588	10.4	19.6
7 30	20 14.05	+ 4 15.6	1.631	2.594	9.0	19.5
8 9	20 6.60	+ 2 11.2	1.646	2.600	9.5	19.6
8 19	20 0.45	− 0 6.2	1.685	2.606	11.5	19.7
8 29	19 56.32	− 2 27.3	1.749	2.613	14.1	19.9
154946 2004 TD_{65}			7 24.9 155°.18		1°.6/23.8 18	
6 20	20 40.56	−22 14.6	2.443	3.304	10.9	19.8
6 30	20 35.86	−22 59.6	2.369	3.305	8.1	19.6
7 10	20 29.50	−23 48.2	2.320	3.307	5.0	19.4
7 20	20 21.98	−24 36.9	2.298	3.309	2.1	19.2
7 30	20 14.01	−25 21.6	2.303	3.310	2.7	19.3
8 9	20 6.40	−25 59.2	2.337	3.312	5.8	19.5
8 19	19 59.86	−26 27.8	2.398	3.313	8.8	19.7
8 29	19 55.02	−26 46.8	2.482	3.314	11.4	19.9
258888 2002 QA_{63}			7 24.9 33°.13		2°.7/23.8 17	
6 20	20 43.06	−22 21.2	1.126	2.022	18.3	19.6
6 30	20 39.12	−23 9.1	1.079	2.033	13.6	19.4
7 10	20 32.09	−24 3.7	1.052	2.046	8.4	19.1
7 20	20 22.93	−24 57.4	1.047	2.059	3.5	18.9
7 30	20 13.13	−25 42.3	1.064	2.073	4.5	19.0
8 9	20 4.37	−26 13.1	1.105	2.087	9.4	19.3
8 19	19 57.96	−26 27.8	1.167	2.103	14.1	19.6
8 29	19 54.76	−26 27.4	1.247	2.119	18.1	19.9
16307 7569 P–L			7 24.9 238°.21		2°.9/23.6 18	
6 20	20 46.69	−24 19.7	1.635	2.507	14.8	18.8
6 30	20 41.37	−25 1.6	1.557	2.498	11.2	18.5
7 10	20 33.37	−25 47.5	1.502	2.490	7.1	18.3
7 20	20 23.40	−26 31.4	1.471	2.481	3.4	18.0
7 30	20 12.57	−27 7.4	1.466	2.472	4.2	18.1
8 9	20 2.27	−27 30.9	1.487	2.462	8.4	18.3
8 19	19 53.72	−27 40.3	1.533	2.452	12.5	18.5
8 29	19 47.89	−27 36.4	1.599	2.442	16.2	18.7
99478 2002 CD_{137}			7 24.9 240°.05		3°.8/26.7 18	
6 20	20 44.67	− 9 48.8	1.556	2.404	16.6	20.0
6 30	20 39.79	− 9 43.0	1.474	2.395	13.1	19.7
7 10	20 32.37	− 9 52.5	1.412	2.386	9.1	19.4
7 20	20 23.07	−10 16.5	1.373	2.376	5.1	19.2
7 30	20 12.91	−10 52.5	1.360	2.366	4.1	19.1
8 9	20 3.17	−11 36.2	1.372	2.356	7.7	19.3
8 19	19 55.03	−12 22.7	1.408	2.345	12.1	19.5
8 29	19 49.43	−13 7.8	1.466	2.334	16.0	19.7
482192 2010 UL_{90}			7 24.9 221°.11		7°.5/30.5 18	
6 20	20 39.11	+ 6 39.0	2.794	3.533	12.7	21.4
6 30	20 34.55	+ 7 19.3	2.705	3.527	11.1	21.3
7 10	20 28.60	+ 7 43.8	2.636	3.520	9.4	21.2
7 20	20 21.68	+ 7 50.9	2.591	3.514	8.1	21.1
7 30	20 14.34	+ 7 39.7	2.571	3.507	7.5	21.0
8 9	20 7.22	+ 7 11.7	2.576	3.500	8.0	21.0
8 19	20 0.91	+ 6 29.5	2.607	3.492	9.3	21.1
8 29	19 55.96	+ 5 36.8	2.662	3.485	11.0	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
357887 2005 UK_{477}			7 24.9 329°.12		5°.4/28.3 18	
	h m	° ′			°	m
6 20	20 38.49	− 3 39.7	2.023	2.842	14.4	20.7
6 30	20 34.55	− 3 27.4	1.940	2.836	11.8	20.5
7 10	20 28.81	− 3 31.2	1.878	2.830	8.9	20.3
7 20	20 21.79	− 3 51.5	1.840	2.825	6.3	20.2
7 30	20 14.23	− 4 27.1	1.828	2.820	5.4	20.1
8 9	20 7.00	− 5 14.7	1.841	2.815	7.1	20.2
8 19	20 0.90	− 6 10.2	1.880	2.811	9.9	20.4
8 29	19 56.62	− 7 8.8	1.942	2.807	12.8	20.5
114860 2003 QB			7 25.0 186°.08		1°.9/25.8 17	
6 20	20 47.10	−14 57.0	1.593	2.449	15.9	20.4
6 30	20 41.45	−14 48.1	1.519	2.450	12.2	20.2
7 10	20 33.28	−14 48.7	1.467	2.449	7.9	19.9
7 20	20 23.34	−14 57.0	1.439	2.449	3.4	19.7
7 30	20 12.71	−15 10.2	1.437	2.448	2.8	19.6
8 9	20 2.68	−15 25.1	1.461	2.446	7.2	19.9
8 19	19 54.37	−15 39.2	1.510	2.445	11.6	20.1
8 29	19 48.65	−15 50.6	1.581	2.442	15.4	20.4
455180 2000 BE_{40}			7 25.0 273°.12		2°.0/24.9 16	
6 20	21 0.80	−27 40.5	1.114	1.990	19.9	20.5
6 30	20 53.09	−26 44.5	1.037	1.978	15.4	20.2
7 10	20 41.17	−25 38.6	0.978	1.966	9.9	19.9
7 20	20 26.13	−24 18.4	0.942	1.954	3.8	19.5
7 30	20 9.95	−22 42.5	0.932	1.942	4.0	19.5
8 9	19 54.97	−20 55.0	0.946	1.930	10.3	19.8
8 19	19 43.12	−19 3.6	0.983	1.918	16.2	20.1
8 29	19 35.58	−17 15.6	1.040	1.906	21.3	20.3
244892 2003 WQ_{35}			7 25.0 183°.12		4°.1/22.9 18	
6 20	20 46.00	−29 31.1	1.971	2.838	12.9	20.8
6 30	20 40.37	−30 7.7	1.902	2.838	9.8	20.6
7 10	20 32.49	−30 42.4	1.856	2.838	6.6	20.4
7 20	20 23.04	−31 9.9	1.836	2.838	4.2	20.3
7 30	20 13.04	−31 25.7	1.842	2.838	5.0	20.3
8 9	20 3.62	−31 27.4	1.875	2.837	7.9	20.5
8 19	19 55.80	−31 15.1	1.933	2.837	11.1	20.7
8 29	19 50.31	−30 50.4	2.012	2.836	14.0	20.9
342715 2008 WU_{13}			7 25.0 307°.90		13°.1/31.1 16	
6 20	20 41.47	+11 13.6	1.793	2.534	18.8	20.3
6 30	20 37.10	+12 50.8	1.716	2.526	17.0	20.2
7 10	20 30.58	+14 4.6	1.656	2.518	15.2	20.0
7 20	20 22.44	+14 49.3	1.615	2.510	13.8	19.9
7 30	20 13.57	+15 1.0	1.596	2.502	13.1	19.9
8 9	20 5.01	+14 39.9	1.597	2.495	13.6	19.9
8 19	19 57.75	+13 50.0	1.620	2.488	14.9	20.0
8 29	19 52.64	+12 38.0	1.661	2.481	16.7	20.1
359955 2012 BZ_{31}			7 25.0 147°.53		1°.9/23.6 18	
6 20	20 41.26	−24 3.4	2.565	3.424	10.5	21.2
6 30	20 36.30	−24 40.9	2.493	3.428	7.8	21.0
7 10	20 29.74	−25 20.4	2.446	3.432	4.9	20.8
7 20	20 22.07	−25 58.3	2.426	3.436	2.3	20.7
7 30	20 14.01	−26 31.2	2.434	3.439	2.8	20.7
8 9	20 6.32	−26 56.6	2.471	3.443	5.7	20.9
8 19	19 59.70	−27 13.1	2.534	3.446	8.5	21.1
8 29	19 54.73	−27 20.6	2.622	3.449	11.0	21.3
328116 2008 AR_{69}			7 25.0 74°.79		0°.2/25.1 17	
6 20	20 44.23	−16 0.6	1.437	2.307	16.6	20.2
6 30	20 39.40	−16 43.7	1.382	2.321	12.5	20.0
7 10	20 32.03	−17 38.8	1.347	2.335	7.8	19.7
7 20	20 22.90	−18 40.9	1.336	2.349	2.7	19.5
7 30	20 13.21	−19 43.6	1.351	2.363	2.5	19.5
8 9	20 4.27	−20 40.7	1.391	2.377	7.5	19.8
8 19	19 57.20	−21 28.1	1.455	2.390	11.9	20.1
8 29	19 52.78	−22 3.9	1.540	2.404	15.6	20.4
489504 2007 MU_{8}			7 25.0 191°.01		19°.4/ 4.2 17	
6 20	20 45.19	+17 51.2	1.231	1.963	26.2	21.6
6 30	20 40.76	+19 48.7	1.171	1.963	24.3	21.4
7 10	20 33.28	+21 8.6	1.124	1.962	22.3	21.3
7 20	20 23.46	+21 41.1	1.090	1.961	20.6	21.2
7 30	20 12.56	+21 19.5	1.072	1.960	19.6	21.1
8 9	20 2.20	+20 4.6	1.071	1.958	19.6	21.1
8 19	19 53.84	+18 4.3	1.088	1.955	20.6	21.2
8 29	19 48.63	+15 32.3	1.120	1.953	22.3	21.3
317689 2003 OF_{12}			7 25.0 348°.99		9°.9/30.9 18	
6 20	20 37.69	+ 6 41.8	1.985	2.752	16.4	19.3
6 30	20 34.00	+ 7 41.8	1.907	2.747	14.4	19.1
7 10	20 28.51	+ 8 21.0	1.847	2.742	12.3	19.0
7 20	20 21.72	+ 8 36.2	1.809	2.738	10.6	18.8
7 30	20 14.38	+ 8 25.8	1.793	2.734	9.9	18.8
8 9	20 7.37	+ 7 51.5	1.801	2.731	10.4	18.8
8 19	20 1.50	+ 6 57.3	1.831	2.729	12.0	18.9
8 29	19 57.45	+ 5 49.0	1.883	2.727	14.1	19.1