2020	α_{2000}	δ_{2000}	Δ	r	β	V
265054	2003 RG_{10}		7	7.9	301.°22	1.°2/ 7.8 18
	h m	° ′			°	m
5 31	19 36.66	−24 10.4	1.349	2.207	18.0	21.2
6 10	19 33.64	−24 20.1	1.256	2.184	14.3	20.9
6 20	19 27.28	−24 33.9	1.181	2.161	9.7	20.6
6 30	19 18.09	−24 48.6	1.128	2.138	4.6	20.2
7 10	19 7.23	−24 59.9	1.099	2.115	1.8	20.0
7 20	18 56.22	−25 4.8	1.094	2.092	7.2	20.2
7 30	18 46.78	−25 2.0	1.111	2.070	12.6	20.5
8 9	18 40.27	−24 52.7	1.148	2.048	17.5	20.7
373304	2012 HR_{80}		7	7.9	354.°69	1.°4/ 8.2 18
5 31	19 34.72	−19 40.4	1.326	2.183	18.3	20.2
6 10	19 31.66	−19 28.2	1.253	2.180	14.4	19.9
6 20	19 25.56	−19 22.7	1.200	2.178	9.8	19.6
6 30	19 17.11	−19 22.9	1.168	2.176	4.7	19.3
7 10	19 7.52	−19 26.7	1.159	2.175	1.7	19.1
7 20	18 58.18	−19 32.4	1.175	2.174	6.5	19.4
7 30	18 50.49	−19 38.5	1.213	2.175	11.5	19.7
8 9	18 45.49	−19 44.4	1.272	2.176	15.9	20.0
104379	2000 FB_{34}		7	7.9	265.°71	3.°0/ 7.1 18
5 31	19 36.95	−28 45.1	2.012	2.847	13.8	19.2
6 10	19 32.58	−29 20.6	1.929	2.843	10.8	19.0
6 20	19 25.78	−29 56.4	1.868	2.839	7.5	18.8
6 30	19 17.12	−30 28.4	1.831	2.835	4.1	18.6
7 10	19 7.52	−30 52.6	1.822	2.830	3.2	18.5
7 20	18 58.05	−31 6.5	1.839	2.826	6.1	18.7
7 30	18 49.80	−31 9.5	1.881	2.821	9.5	18.9
8 9	18 43.63	−31 2.9	1.947	2.817	12.8	19.0
230366	2002 EP_{113}		7	7.9	151.°94	1.°6/ 7.7 17
5 31	19 41.93	−27 45.7	2.290	3.108	12.9	21.6
6 10	19 35.84	−27 46.4	2.212	3.117	10.0	21.4
6 20	19 27.59	−27 45.6	2.157	3.126	6.8	21.3
6 30	19 17.81	−27 40.6	2.128	3.134	3.3	21.0
7 10	19 7.38	−27 29.7	2.128	3.141	1.9	21.0
7 20	18 57.25	−27 12.0	2.156	3.148	4.9	21.2
7 30	18 48.37	−26 48.4	2.213	3.154	8.3	21.4
8 9	18 41.43	−26 20.7	2.294	3.159	11.2	21.6
389071	2008 WC_{72}		7	7.9	267.°01	4.°0/ 8.4 17
5 31	19 37.40	−14 18.8	1.956	2.772	14.8	21.4
6 10	19 32.77	−13 27.4	1.860	2.759	12.0	21.2
6 20	19 25.84	−12 41.2	1.785	2.745	8.7	20.9
6 30	19 17.14	−12 1.7	1.735	2.730	5.4	20.7
7 10	19 7.52	−11 30.0	1.711	2.716	4.1	20.6
7 20	18 57.96	−11 6.9	1.714	2.701	6.4	20.7
7 30	18 49.47	−10 52.4	1.743	2.686	10.0	20.9
8 9	18 42.91	−10 45.7	1.795	2.671	13.4	21.1
398797	2013 AT_{149}		7	7.9	29.°89	6.°3/10.1 15
5 31	19 31.57	− 6 45.8	1.676	2.492	17.0	20.9
6 10	19 28.25	− 6 16.2	1.618	2.508	13.9	20.7
6 20	19 22.74	− 6 2.3	1.578	2.524	10.7	20.6
6 30	19 15.66	− 6 5.8	1.561	2.542	7.7	20.4
7 10	19 7.93	− 6 26.1	1.567	2.560	6.3	20.4
7 20	19 0.51	− 7 1.2	1.599	2.579	7.6	20.5
7 30	18 54.33	− 7 47.5	1.655	2.599	10.3	20.7
8 9	18 50.11	− 8 40.6	1.732	2.619	13.3	21.0
175099	2004 JF_{21}		7	7.9	188.°20	0.°5/ 7.8 18
5 31	19 35.46	−22 55.9	2.339	3.164	12.4	21.2
6 10	19 30.92	−23 13.5	2.254	3.164	9.7	21.0
6 20	19 24.40	−23 34.2	2.191	3.163	6.5	20.8
6 30	19 16.42	−23 55.6	2.155	3.163	2.9	20.6
7 10	19 7.72	−24 15.4	2.146	3.162	1.0	20.4
7 20	18 59.15	−24 31.8	2.165	3.160	4.5	20.7
7 30	18 51.55	−24 43.8	2.212	3.159	7.9	20.9
8 9	18 45.63	−24 51.2	2.283	3.157	11.0	21.1
37990	1998 KN_4		7	7.9	16.°62	3.°4/ 6.7 18
5 31	19 33.74	−24 48.1	1.341	2.205	17.8	17.9
6 10	19 31.05	−26 7.3	1.279	2.210	13.8	17.6
6 20	19 25.25	−27 33.8	1.236	2.216	9.3	17.4
6 30	19 17.01	−29 0.4	1.216	2.223	4.9	17.2
7 10	19 7.56	−30 19.1	1.221	2.231	3.8	17.1
7 20	18 58.34	−31 23.3	1.249	2.240	7.7	17.4
7 30	18 50.83	−32 9.9	1.301	2.250	12.1	17.7
8 9	18 46.11	−32 39.4	1.373	2.261	16.0	17.9
393017	2012 XE_{151}		7	7.9	269.°66	1.°6/ 7.6 18
5 31	19 37.89	−26 59.2	2.107	2.938	13.4	21.1
6 10	19 33.20	−27 2.8	2.010	2.922	10.6	20.9
6 20	19 26.15	−27 5.9	1.935	2.907	7.2	20.7
6 30	19 17.29	−27 6.0	1.885	2.891	3.5	20.4
7 10	19 7.49	−27 0.6	1.862	2.876	1.9	20.3
7 20	18 57.77	−26 48.4	1.866	2.860	5.3	20.5
7 30	18 49.17	−26 29.7	1.897	2.844	9.1	20.7
8 9	18 42.56	−26 5.8	1.952	2.827	12.5	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1814	Bach		7	7.9	202.°69	3.°0/ 7.2 18 R
	h m	° ′			°	m
5 31	19 42.47	−27 47.4	1.674	2.510	16.1	16.9
6 10	19 37.38	−28 22.0	1.592	2.507	12.7	16.7
6 20	19 29.27	−28 57.9	1.531	2.503	8.7	16.4
6 30	19 18.80	−29 30.1	1.494	2.499	4.6	16.2
7 10	19 7.11	−29 53.4	1.483	2.494	3.3	16.1
7 20	18 55.58	−30 4.8	1.499	2.489	6.8	16.3
7 30	18 45.60	−30 3.8	1.540	2.483	11.0	16.5
8 9	18 38.27	−29 52.6	1.603	2.476	14.8	16.7
357706	2005 QX_{15}		7	7.9	288.°28	4.°9/ 9.6 18
5 31	19 32.27	− 8 13.9	2.166	2.968	14.1	21.5
6 10	19 28.60	− 7 58.1	2.068	2.953	11.6	21.3
6 20	19 22.97	− 7 54.0	1.991	2.937	8.8	21.1
6 30	19 15.83	− 8 2.8	1.937	2.922	6.1	20.9
7 10	19 7.86	− 8 24.4	1.909	2.906	4.9	20.8
7 20	18 59.88	− 8 57.4	1.908	2.891	6.3	20.9
7 30	18 52.74	− 9 39.6	1.933	2.875	9.2	21.0
8 9	18 47.20	−10 27.9	1.981	2.860	12.2	21.2
429519	2011 BB_{52}		7	7.9	16.°54	19.°7/17.8 16
5 31	20 22.45	−66 39.2	1.017	1.782	28.6	19.6
6 10	20 12.15	−66 35.5	0.981	1.796	26.4	19.4
6 20	19 52.62	−65 48.1	0.955	1.812	23.9	19.3
6 30	19 28.29	−63 57.4	0.942	1.831	21.7	19.2
7 10	19 5.21	−60 56.7	0.947	1.852	20.1	19.2
7 20	18 47.67	−56 57.3	0.971	1.876	19.7	19.3
7 30	18 37.21	−52 23.2	1.016	1.901	20.6	19.4
8 9	18 33.25	−47 40.5	1.082	1.928	22.3	19.7
143540	2003 ED_{27}		7	7.9	253.°41	4.°2/ 9.5 18
5 31	19 32.75	− 9 20.4	2.222	3.025	13.7	20.2
6 10	19 28.82	− 9 10.8	2.136	3.023	11.2	20.0
6 20	19 23.01	− 9 12.2	2.071	3.020	8.3	19.9
6 30	19 15.80	− 9 25.3	2.030	3.018	5.5	19.7
7 10	19 7.89	− 9 49.3	2.015	3.015	4.2	19.6
7 20	19 0.07	−10 22.7	2.027	3.013	5.8	19.7
7 30	18 53.15	−11 3.0	2.066	3.010	8.6	19.9
8 9	18 47.79	−11 47.6	2.129	3.008	11.5	20.0
476960	2008 XS_{49}		7	7.9	216.°78	0.°9/ 8.4 18
5 31	19 35.61	−17 36.1	2.418	3.233	12.4	21.6
6 10	19 31.00	−17 58.2	2.323	3.226	9.7	21.4
6 20	19 24.48	−18 27.1	2.251	3.218	6.6	21.2
6 30	19 16.49	−19 1.3	2.204	3.210	3.2	21.0
7 10	19 7.72	−19 38.4	2.186	3.201	1.1	20.8
7 20	18 58.97	−20 15.9	2.196	3.192	4.4	21.0
7 30	18 51.07	−20 52.0	2.234	3.183	7.8	21.2
8 9	18 44.73	−21 25.2	2.298	3.173	10.9	21.4
8437	Bernicla		7	7.9	10.°51	1.°5/ 8.3 18
5 31	19 36.20	−18 52.9	1.578	2.420	16.6	18.5
6 10	19 32.31	−18 46.0	1.503	2.420	13.1	18.3
6 20	19 25.74	−18 45.9	1.447	2.421	8.9	18.0
6 30	19 17.14	−18 51.2	1.415	2.422	4.3	17.8
7 10	19 7.57	−19 0.2	1.408	2.423	1.7	17.6
7 20	18 58.22	−19 11.0	1.426	2.424	5.9	17.9
7 30	18 50.31	−19 22.0	1.469	2.426	10.3	18.1
8 9	18 44.75	−19 32.5	1.534	2.427	14.3	18.4
25773	2000 CX_{27}		7	8.0	342.°52	0.°7/ 7.8 18 R
5 31	19 36.12	−24 2.6	1.814	2.655	14.9	18.1
6 10	19 32.00	−24 7.0	1.734	2.652	11.6	17.9
6 20	19 25.41	−24 13.6	1.675	2.650	7.8	17.7
6 30	19 16.96	−24 20.0	1.640	2.648	3.6	17.4
7 10	19 7.61	−24 23.8	1.631	2.647	1.2	17.2
7 20	18 58.47	−24 23.4	1.648	2.645	5.4	17.5
7 30	18 50.62	−24 18.4	1.691	2.644	9.5	17.8
8 9	18 44.93	−24 9.5	1.757	2.643	13.1	18.0
303946	2005 XR_{28}		7	8.0	191.°16	0.°4/ 7.8 17
5 31	19 43.81	−17 57.7	1.941	2.753	15.1	21.0
6 10	19 38.02	−19 15.0	1.849	2.751	11.9	20.8
6 20	19 29.57	−20 44.6	1.781	2.749	8.0	20.5
6 30	19 18.95	−22 21.9	1.739	2.746	3.6	20.2
7 10	19 7.09	−24 0.4	1.726	2.742	1.1	20.0
7 20	18 55.12	−25 33.6	1.743	2.737	5.6	20.3
7 30	18 44.27	−26 56.5	1.789	2.730	9.9	20.6
8 9	18 35.59	−28 7.1	1.859	2.723	13.5	20.8
217674	1998 VU_{40}		7	8.0	311.°89	4.°3/ 8.7 17
5 31	19 34.12	−14 16.9	1.421	2.265	18.0	19.8
6 10	19 31.12	−13 44.3	1.334	2.250	14.6	19.5
6 20	19 25.24	−13 21.4	1.266	2.234	10.5	19.2
6 30	19 17.05	−13 9.6	1.219	2.219	6.3	18.9
7 10	19 7.58	−13 9.0	1.195	2.205	4.3	18.8
7 20	18 58.11	−13 18.7	1.196	2.190	7.4	18.9
7 30	18 50.02	−13 37.1	1.220	2.177	11.9	19.1
8 9	18 44.42	−14 1.3	1.264	2.164	16.2	19.4

344920 2004 TA_5 7 8.0 278.°73 3.°1/ 7.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 38.18	−28 28.1	1.828	2.667	14.8	21.4
6 10	19 33.98	−29 0.7	1.732	2.648	11.7	21.1
6 20	19 27.02	−29 34.5	1.657	2.629	8.1	20.9
6 30	19 17.83	−30 4.9	1.606	2.611	4.5	20.6
7 10	19 7.38	−30 27.4	1.582	2.591	3.3	20.5
7 20	18 56.90	−30 38.7	1.583	2.572	6.6	20.7
7 30	18 47.68	−30 38.1	1.610	2.553	10.6	20.8
8 9	18 40.79	−30 27.0	1.659	2.534	14.4	21.0

793 Arizona 7 8.0 310.°79 9.°1/ 4.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 39.99	−41 47.6	1.806	2.632	15.5	14.5
6 10	19 36.03	−43 18.0	1.728	2.620	13.1	14.3
6 20	19 28.74	−44 41.9	1.670	2.609	10.7	14.1
6 30	19 18.71	−45 50.4	1.636	2.597	9.2	14.0
7 10	19 7.15	−46 35.7	1.626	2.586	9.4	14.0
7 20	18 55.60	−46 53.4	1.639	2.575	11.1	14.1
7 30	18 45.72	−46 43.8	1.675	2.564	13.6	14.2
8 9	18 38.79	−46 11.6	1.731	2.554	16.2	14.4

408938 2002 CX_{73} 7 8.0 120.°13 0.°0/ 7.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 40.09	−20 47.1	1.526	2.367	17.2	21.2
6 10	19 35.42	−21 10.6	1.458	2.376	13.4	21.0
6 20	19 27.86	−21 41.2	1.409	2.384	9.0	20.7
6 30	19 18.12	−22 15.5	1.384	2.393	4.1	20.5
7 10	19 7.36	−22 49.4	1.385	2.401	1.0	20.3
7 20	18 56.90	−23 19.4	1.411	2.409	6.0	20.6
7 30	18 48.05	−23 43.5	1.463	2.416	10.6	20.9
8 9	18 41.78	−24 1.5	1.536	2.423	14.6	21.2

277092 2005 EA_{242} 7 8.0 1.°33 6.°8/ 5.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 34.97	−34 19.7	1.453	2.311	17.0	19.4
6 10	19 32.15	−35 32.2	1.387	2.309	13.7	19.2
6 20	19 26.08	−36 41.9	1.341	2.308	10.2	19.0
6 30	19 17.44	−37 40.8	1.316	2.308	7.4	18.8
7 10	19 7.52	−38 21.6	1.316	2.309	7.1	18.8
7 20	18 57.84	−38 40.1	1.338	2.311	9.6	19.0
7 30	18 49.95	−38 36.5	1.383	2.314	13.0	19.2
8 9	18 44.99	−38 14.4	1.448	2.318	16.3	19.4

250803 2005 UJ_{14} 7 8.0 298.°88 6.°4/ 9.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 32.41	− 4 17.1	2.293	3.075	14.0	20.1
6 10	19 28.45	− 3 33.9	2.209	3.074	11.7	20.0
6 20	19 22.72	− 3 2.8	2.146	3.072	9.3	19.8
6 30	19 15.67	− 2 45.9	2.107	3.071	7.3	19.7
7 10	19 7.99	− 2 44.2	2.093	3.069	6.4	19.6
7 20	19 0.41	− 2 57.3	2.105	3.068	7.3	19.7
7 30	18 53.69	− 3 23.5	2.142	3.066	9.4	19.8
8 9	18 48.46	− 3 59.8	2.203	3.065	11.8	20.0

66310 1999 JZ_{41} 7 8.0 41.°85 2.°6/ 8.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 36.67	−16 46.4	1.219	2.074	19.7	19.0
6 10	19 33.21	−16 35.7	1.159	2.083	15.6	18.8
6 20	19 26.58	−16 35.8	1.118	2.093	10.7	18.5
6 30	19 17.58	−16 45.9	1.097	2.103	5.6	18.3
7 10	19 7.53	−17 3.7	1.100	2.114	2.7	18.1
7 20	18 57.91	−17 26.2	1.126	2.125	6.9	18.4
7 30	18 50.13	−17 50.9	1.175	2.136	11.8	18.7
8 9	18 45.21	−18 15.5	1.244	2.148	16.1	19.0

247433 2002 DX_2 7 8.0 34.°59 4.°1/ 7.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 38.38	−28 18.7	1.194	2.060	19.4	19.6
6 10	19 35.01	−29 4.6	1.136	2.067	15.2	19.4
6 20	19 28.05	−29 51.9	1.096	2.075	10.4	19.1
6 30	19 18.33	−30 33.6	1.078	2.084	5.8	18.9
7 10	19 7.34	−31 3.1	1.083	2.093	4.4	18.9
7 20	18 56.84	−31 16.5	1.110	2.102	8.3	19.1
7 30	18 48.47	−31 14.0	1.160	2.112	12.9	19.4
8 9	18 43.36	−30 58.6	1.230	2.123	17.1	19.7

74059 1998 KJ_{20} 7 8.0 58.°81 0.°2/ 7.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 38.69	−20 46.9	1.303	2.156	18.8	19.3
6 10	19 34.60	−21 13.0	1.248	2.173	14.6	19.1
6 20	19 27.40	−21 47.0	1.213	2.191	9.7	18.9
6 30	19 17.91	−22 24.9	1.200	2.209	4.4	18.6
7 10	19 7.47	−23 2.0	1.211	2.227	1.1	18.4
7 20	18 57.53	−23 34.3	1.246	2.245	6.4	18.8
7 30	18 49.46	−23 59.8	1.305	2.263	11.2	19.1
8 9	18 44.22	−24 18.2	1.386	2.282	15.3	19.4

336136 2008 QR_6 7 8.0 354.°05 3.°6/ 8.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 31.24	−14 1.3	1.310	2.164	18.7	20.4
6 10	19 28.95	−13 53.2	1.237	2.159	15.0	20.2
6 20	19 23.79	−13 58.5	1.182	2.155	10.6	19.9
6 30	19 16.38	−14 17.5	1.149	2.152	6.1	19.6
7 10	19 7.82	−14 48.4	1.138	2.150	3.7	19.5
7 20	18 59.43	−15 27.9	1.151	2.149	7.0	19.7
7 30	18 52.55	−16 12.2	1.186	2.149	11.6	19.9
8 9	18 48.21	−16 57.5	1.242	2.150	15.9	20.2

149122 2002 EM_{12} 7 8.0 44.°89 5.°7/10.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 32.04	− 6 15.2	2.101	2.897	14.6	19.0
6 10	19 28.26	− 5 48.6	2.029	2.907	12.1	18.9
6 20	19 22.62	− 5 35.0	1.978	2.917	9.3	18.7
6 30	19 15.63	− 5 35.8	1.950	2.926	6.8	18.6
7 10	19 8.04	− 5 50.9	1.948	2.937	5.7	18.5
7 20	19 0.64	− 6 18.8	1.972	2.947	6.8	18.6
7 30	18 54.22	− 6 57.2	2.021	2.958	9.2	18.8
8 9	18 49.41	− 7 42.7	2.094	2.968	11.8	19.0

255838 2006 SE_{104} 7 8.0 13.°77 2.°7/ 7.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 35.24	−26 25.6	1.138	2.011	19.6	20.2
6 10	19 32.65	−26 49.6	1.078	2.014	15.4	19.9
6 20	19 26.51	−27 16.1	1.036	2.018	10.4	19.7
6 30	19 17.65	−27 39.8	1.014	2.023	5.2	19.4
7 10	19 7.53	−27 55.5	1.015	2.029	3.1	19.3
7 20	18 57.85	−28 0.0	1.038	2.036	7.7	19.6
7 30	18 50.25	−27 53.3	1.083	2.043	12.7	19.9
8 9	18 45.84	−27 37.7	1.148	2.052	17.2	20.2

380754 2005 SS_{190} 7 8.0 284.°95 1.°5/ 7.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 37.55	−24 14.4	1.674	2.516	15.8	21.5
6 10	19 33.75	−24 41.7	1.573	2.493	12.5	21.2
6 20	19 27.05	−25 14.1	1.494	2.469	8.5	20.9
6 30	19 17.95	−25 47.8	1.437	2.445	4.0	20.6
7 10	19 7.42	−26 18.5	1.407	2.421	2.0	20.4
7 20	18 56.73	−26 42.5	1.402	2.397	6.4	20.6
7 30	18 47.27	−26 57.7	1.422	2.373	11.1	20.8
8 9	18 40.24	−27 4.5	1.464	2.348	15.3	21.0

46393 2002 AS_{10} 7 8.0 239.°59 0.°2/ 8.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 39.08	−19 47.0	1.588	2.426	16.7	19.4
6 10	19 34.84	−20 9.9	1.500	2.417	13.2	19.2
6 20	19 27.68	−20 41.5	1.433	2.407	9.0	18.9
6 30	19 18.19	−21 18.8	1.388	2.396	4.1	18.6
7 10	19 7.40	−21 58.1	1.370	2.386	1.0	18.3
7 20	18 56.60	−22 35.4	1.377	2.375	6.1	18.6
7 30	18 47.17	−23 7.9	1.409	2.363	10.9	18.9
8 9	18 40.24	−23 34.6	1.464	2.351	15.2	19.1

95768 2003 EF_{47} 7 8.0 223.°67 15.°9/30.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 54.05	−48 22.8	1.305	2.123	20.7	18.8
6 10	19 49.97	−51 24.0	1.246	2.117	18.5	18.7
6 20	19 40.12	−54 15.7	1.206	2.111	16.7	18.5
6 30	19 24.74	−56 38.6	1.186	2.104	15.9	18.5
7 10	19 5.64	−58 15.5	1.187	2.096	16.6	18.5
7 20	18 46.05	−58 57.4	1.208	2.088	18.4	18.6
7 30	18 29.73	−58 47.4	1.246	2.080	20.7	18.7
8 9	18 19.22	−57 58.0	1.299	2.071	23.1	18.8

344465 2002 NB_{79} 7 8.0 346.°72 1.°9/ 7.3 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 34.44	−23 10.9	1.625	2.474	15.9	20.8
6 10	19 31.16	−24 9.1	1.547	2.470	12.4	20.6
6 20	19 25.16	−25 14.9	1.489	2.466	8.3	20.3
6 30	19 17.01	−26 23.5	1.455	2.463	4.0	20.0
7 10	19 7.71	−27 28.8	1.447	2.460	2.4	19.9
7 20	18 58.46	−28 25.8	1.464	2.458	6.4	20.2
7 30	18 50.56	−29 11.3	1.506	2.456	10.7	20.4
8 9	18 45.03	−29 44.5	1.570	2.455	14.5	20.6

175662 1993 BB_{10} 7 8.0 156.°98 0.°9/ 7.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 40.53	−23 28.1	1.850	2.680	15.0	21.3
6 10	19 35.36	−23 49.0	1.774	2.686	11.7	21.1
6 20	19 27.64	−24 13.3	1.719	2.692	7.8	20.9
6 30	19 18.02	−24 37.8	1.689	2.697	3.6	20.6
7 10	19 7.49	−24 59.3	1.686	2.701	1.4	20.5
7 20	18 57.19	−25 15.1	1.710	2.705	5.5	20.8
7 30	18 48.26	−25 24.6	1.760	2.708	9.5	21.0
8 9	18 41.56	−25 28.0	1.834	2.711	13.1	21.2

19106 1981 EV_{15} 7 8.0 71.°85 5.°9/ 6.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 42.09	−36 18.0	1.743	2.576	15.7	19.1
6 10	19 37.04	−36 53.7	1.674	2.581	12.6	18.9
6 20	19 28.97	−37 22.8	1.626	2.585	9.4	18.7
6 30	19 18.66	−37 39.3	1.601	2.590	6.6	18.6
7 10	19 7.35	−37 38.4	1.601	2.595	6.0	18.6
7 20	18 56.45	−37 18.6	1.627	2.600	8.2	18.7
7 30	18 47.33	−36 41.9	1.677	2.605	11.3	18.9
8 9	18 40.92	−35 52.8	1.749	2.609	14.4	19.1

270345 2001 XU_{223} 7 8.0 105.°73 4.°6/ 6.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 42.35	−31 36.8	1.937	2.764	14.5	21.5
6 10	19 36.81	−32 45.1	1.877	2.784	11.4	21.3
6 20	19 28.61	−33 51.8	1.839	2.803	8.1	21.1
6 30	19 18.45	−34 50.6	1.826	2.821	5.3	21.0
7 10	19 7.40	−35 36.0	1.841	2.839	4.8	21.0
7 20	18 56.67	−36 4.9	1.882	2.857	7.1	21.2
7 30	18 47.45	−36 17.4	1.950	2.874	10.2	21.4
8 9	18 40.60	−36 15.7	2.040	2.890	13.0	21.6

1098 Hakone 7 8.0 244.°23 5.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.63	−36 23.8	2.063	2.884	14.0	15.2
6 10	19 37.14	−36 47.7	1.975	2.875	11.3	15.0
6 20	19 28.93	−37 5.5	1.909	2.865	8.4	14.8
6 30	19 18.65	−37 12.0	1.867	2.856	5.9	14.6
7 10	19 7.36	−37 3.1	1.851	2.846	5.3	14.5
7 20	18 56.29	−36 37.4	1.863	2.836	7.3	14.6
7 30	18 46.67	−35 56.4	1.900	2.825	10.4	14.8
8 9	18 39.45	−35 4.1	1.960	2.814	13.4	15.0

438520 2007 RZ_{297} 7 8.0 298.°39 0.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.21	−24 18.9	1.794	2.633	15.0	20.2
6 10	19 33.06	−24 6.9	1.700	2.617	11.8	20.0
6 20	19 26.30	−23 55.7	1.627	2.602	8.0	19.7
6 30	19 17.51	−23 43.2	1.578	2.586	3.7	19.4
7 10	19 7.65	−23 27.8	1.554	2.570	1.0	19.2
7 20	18 57.87	−23 8.6	1.558	2.555	5.6	19.4
7 30	18 49.37	−22 46.0	1.586	2.540	10.0	19.7
8 9	18 43.08	−22 21.4	1.638	2.525	13.9	19.9

270064 2001 OJ_{90} 7 8.0 354.°18 5.°8/ 8.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.85	−37 33.9	1.156	2.015	20.3	19.2
6 10	19 38.91	−37 4.2	1.086	2.009	16.5	19.0
6 20	19 30.81	−36 18.5	1.033	2.004	12.1	18.7
6 30	19 19.62	−35 10.7	1.001	2.000	7.7	18.5
7 10	19 7.18	−33 38.6	0.991	1.998	5.9	18.3
7 20	18 55.52	−31 45.7	1.005	1.997	9.0	18.5
7 30	18 46.47	−29 40.9	1.041	1.997	13.6	18.8
8 9	18 41.14	−27 34.3	1.098	1.999	18.1	19.0

358957 2008 KL_{36} 7 8.0 25.°68 4.°6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 31.65	− 8 30.6	2.123	2.928	14.2	21.2
6 10	19 28.04	− 8 19.9	2.045	2.932	11.6	21.0
6 20	19 22.54	− 8 21.2	1.988	2.937	8.7	20.8
6 30	19 15.67	− 8 35.3	1.955	2.941	5.9	20.7
7 10	19 8.15	− 9 1.5	1.948	2.946	4.6	20.6
7 20	19 0.77	− 9 37.8	1.967	2.951	6.0	20.7
7 30	18 54.33	−10 21.7	2.012	2.957	8.7	20.9
8 9	18 49.50	−11 10.1	2.081	2.962	11.6	21.1

198452 2004 XH_8 7 8.0 240.°78 3.°1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.76	−29 42.6	2.259	3.083	12.9	21.0
6 10	19 34.69	−30 17.6	2.161	3.067	10.2	20.8
6 20	19 27.24	−30 52.4	2.085	3.052	7.1	20.5
6 30	19 17.92	−31 23.0	2.034	3.035	4.1	20.3
7 10	19 7.58	−31 45.4	2.011	3.018	3.3	20.2
7 20	18 57.22	−31 57.2	2.017	3.001	5.9	20.4
7 30	18 47.93	−31 57.8	2.049	2.983	9.2	20.5
8 9	18 40.58	−31 48.3	2.104	2.964	12.4	20.7

449581 2014 JB_{29} 7 8.0 26.°60 0.°9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.62	−20 21.3	1.864	2.703	14.6	20.0
6 10	19 30.02	−21 26.6	1.794	2.712	11.3	19.8
6 20	19 24.11	−22 40.4	1.746	2.721	7.5	19.6
6 30	19 16.47	−23 58.3	1.723	2.731	3.4	19.4
7 10	19 7.96	−25 15.1	1.727	2.742	1.4	19.3
7 20	18 59.60	−26 25.8	1.758	2.753	5.3	19.6
7 30	18 52.40	−27 27.0	1.815	2.764	9.2	19.8
8 9	18 47.20	−28 17.3	1.895	2.777	12.5	20.1

482123 2010 OG_{110} 7 8.0 264.°72 3.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.91	−31 24.0	2.410	3.237	12.0	21.2
6 10	19 31.53	−32 11.8	2.322	3.230	9.5	21.0
6 20	19 25.02	−32 58.9	2.257	3.222	6.8	20.8
6 30	19 16.87	−33 41.0	2.218	3.215	4.3	20.6
7 10	19 7.86	−34 14.3	2.206	3.207	3.8	20.6
7 20	18 58.90	−34 36.2	2.222	3.199	6.0	20.7
7 30	18 50.93	−34 46.0	2.264	3.192	8.8	20.9
8 9	18 44.73	−34 44.8	2.330	3.184	11.5	21.1

91065 1998 FM_{66} 7 8.0 152.°95 7.°3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.55	−40 53.4	2.031	2.844	14.5	18.9
6 10	19 38.85	−41 53.4	1.962	2.849	12.0	18.8
6 20	19 30.18	−42 45.3	1.914	2.854	9.5	18.6
6 30	19 19.26	−43 22.1	1.890	2.858	7.7	18.5
7 10	19 7.30	−43 38.5	1.892	2.862	7.5	18.5
7 20	18 55.65	−43 32.3	1.919	2.865	9.0	18.6
7 30	18 45.68	−43 5.1	1.971	2.869	11.4	18.8
8 9	18 38.36	−42 21.6	2.045	2.872	13.9	18.9

124957 2001 TU_{92} 7 8.0 107.°19 0.°7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.15	−21 6.5	1.398	2.243	18.2	19.9
6 10	19 36.47	−20 57.0	1.331	2.251	14.3	19.7
6 20	19 28.69	−20 52.6	1.283	2.258	9.6	19.4
6 30	19 18.60	−20 51.2	1.257	2.265	4.5	19.2
7 10	19 7.47	−20 50.5	1.257	2.273	1.2	19.0
7 20	18 56.74	−20 49.0	1.281	2.280	6.3	19.3
7 30	18 47.80	−20 46.2	1.330	2.286	11.2	19.6
8 9	18 41.64	−20 42.3	1.400	2.293	15.4	19.9

43126 1999 XL_{64} 7 8.0 175.°08 0.°1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.99	−21 10.2	2.860	3.676	10.7	19.7
6 10	19 29.42	−21 19.7	2.773	3.678	8.3	19.5
6 20	19 23.27	−21 32.0	2.710	3.679	5.5	19.3
6 30	19 15.97	−21 45.9	2.673	3.680	2.5	19.1
7 10	19 8.12	−21 59.8	2.665	3.681	0.6	19.0
7 20	19 0.38	−22 12.4	2.686	3.681	3.7	19.2
7 30	18 53.41	−22 22.9	2.735	3.681	6.6	19.4
8 9	18 47.78	−22 31.0	2.809	3.681	9.2	19.6

140975 2001 VM_{121} 7 8.0 197.°55 3.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.76	−10 12.7	2.870	3.658	11.3	21.5
6 10	19 29.19	−10 0.2	2.776	3.655	9.1	21.3
6 20	19 23.10	− 9 55.6	2.704	3.651	6.8	21.2
6 30	19 15.90	− 9 59.2	2.659	3.647	4.5	21.0
7 10	19 8.15	−10 10.7	2.642	3.642	3.4	20.9
7 20	19 0.45	−10 29.0	2.653	3.636	4.7	21.0
7 30	18 53.45	−10 52.9	2.693	3.631	7.1	21.2
8 9	18 47.69	−11 20.7	2.757	3.624	9.5	21.3

247178 2001 CQ_{32} 7 8.0 177.°30 6.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.45	−47 9.6	3.270	4.041	10.4	20.8
6 10	19 37.73	−47 47.9	3.193	4.043	8.9	20.7
6 20	19 28.89	−48 16.9	3.140	4.045	7.4	20.6
6 30	19 18.53	−48 32.3	3.111	4.046	6.5	20.5
7 10	19 7.52	−48 31.1	3.110	4.046	6.4	20.5
7 20	18 56.78	−48 12.5	3.135	4.046	7.3	20.5
7 30	18 47.22	−47 37.7	3.187	4.046	8.6	20.6
8 9	18 39.55	−46 49.7	3.262	4.045	10.2	20.8

371990 2008 GF_{129} 7 8.0 142.°86 2.°8/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.78	−27 37.8	1.812	2.646	15.1	21.6
6 10	19 35.75	−28 18.1	1.739	2.653	11.8	21.4
6 20	19 28.03	−28 59.5	1.688	2.659	8.1	21.2
6 30	19 18.28	−29 37.3	1.661	2.666	4.3	21.0
7 10	19 7.56	−30 6.9	1.661	2.671	3.1	20.9
7 20	18 57.09	−30 25.4	1.688	2.677	6.3	21.2
7 30	18 48.07	−30 32.2	1.740	2.682	10.1	21.4
8 9	18 41.42	−30 28.8	1.815	2.686	13.5	21.6

483600 2004 QM_6 7 8.0 299.°84 5.°9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.51	− 4 57.6	2.235	3.021	14.1	21.5
6 10	19 28.94	− 4 43.3	2.117	2.988	11.9	21.2
6 20	19 23.39	− 4 42.6	2.020	2.954	9.4	21.0
6 30	19 16.21	− 4 57.5	1.946	2.919	7.0	20.8
7 10	19 8.05	− 5 28.6	1.897	2.885	5.9	20.7
7 20	18 59.69	− 6 14.8	1.875	2.851	7.1	20.7
7 30	18 52.01	− 7 13.6	1.879	2.816	9.8	20.8
8 9	18 45.83	− 8 21.3	1.907	2.781	12.8	20.9

102382 1999 TZ_{151} 7 8.0 281.°94 4.°6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.09	−29 26.2	1.516	2.365	16.8	19.4
6 10	19 35.38	−30 24.3	1.430	2.351	13.4	19.1
6 20	19 28.39	−31 25.2	1.364	2.337	9.4	18.8
6 30	19 18.69	−32 22.1	1.321	2.322	5.7	18.6
7 10	19 7.44	−33 7.9	1.302	2.308	4.9	18.5
7 20	18 56.12	−33 37.5	1.309	2.294	8.2	18.7
7 30	18 46.38	−33 49.0	1.338	2.279	12.5	18.9
8 9	18 39.49	−33 44.8	1.389	2.265	16.5	19.1

77229 2001 FN_{35} 7 8.0 206.°74 5.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.80	−33 22.2	1.637	2.474	16.3	19.8
6 10	19 37.88	−34 2.0	1.561	2.473	13.1	19.6
6 20	19 29.76	−34 38.4	1.505	2.471	9.4	19.4
6 30	19 19.17	−35 4.7	1.472	2.468	6.2	19.2
7 10	19 7.36	−35 15.6	1.465	2.466	5.4	19.1
7 20	18 55.83	−35 8.4	1.483	2.463	8.1	19.3
7 30	18 46.05	−34 44.1	1.526	2.460	11.8	19.5
8 9	18 39.10	−34 7.0	1.590	2.457	15.3	19.7

254256 2004 RV_{168} 7 8.0 270.°38 0.°7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.92	−20 41.9	2.382	3.204	12.3	20.7
6 10	19 30.52	−20 29.8	2.287	3.194	9.7	20.6
6 20	19 24.22	−20 20.3	2.214	3.184	6.5	20.3
6 30	19 16.48	−20 12.7	2.167	3.174	3.1	20.1
7 10	19 8.03	−20 5.9	2.148	3.164	1.0	19.9
7 20	18 59.67	−19 59.2	2.157	3.154	4.4	20.2
7 30	18 52.22	−19 52.3	2.194	3.143	7.8	20.3
8 9	18 46.36	−19 45.2	2.254	3.133	10.9	20.5

63395 2001 JX_9 7 8.0 321.°15 4.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.13	−12 0.5	1.702	2.530	16.2	18.5
6 10	19 29.84	−11 21.6	1.613	2.517	13.2	18.3
6 20	19 24.14	−10 52.4	1.545	2.504	9.7	18.1
6 30	19 16.57	−10 34.5	1.498	2.492	6.4	17.9
7 10	19 8.00	−10 28.6	1.477	2.480	4.9	17.7
7 20	18 59.48	−10 34.4	1.480	2.469	7.0	17.8
7 30	18 52.10	−10 50.3	1.508	2.458	10.7	18.0
8 9	18 46.77	−11 13.9	1.558	2.448	14.3	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
48090	2001 FK_{42}		7 8.0	54.°88	1.°7/ 8.4	18
	h m	° ′			°	m
5 31	19 38.35	−18 4.0	1.302	2.152	19.0	18.7
6 10	19 34.26	−18 1.8	1.249	2.171	14.9	18.5
6 20	19 27.15	−18 8.8	1.214	2.189	10.1	18.3
6 30	19 17.87	−18 23.2	1.201	2.208	4.9	18.0
7 10	19 7.73	−18 42.3	1.212	2.228	1.9	17.9
7 20	18 58.11	−19 3.1	1.248	2.247	6.4	18.2
7 30	18 50.33	−19 23.5	1.308	2.267	11.1	18.5
8 9	18 45.27	−19 42.3	1.388	2.287	15.1	18.8
513173	2004 RQ_{110}		7 8.1	270.°20	12.°1/ 4.0	18
5 31	20 2.40	−56 33.8	2.235	2.974	15.5	22.4
6 10	19 54.29	−57 41.6	2.138	2.944	14.1	22.2
6 20	19 41.49	−58 34.1	2.060	2.913	12.9	22.1
6 30	19 24.78	−59 0.4	2.002	2.881	12.2	21.9
7 10	19 5.99	−58 51.4	1.968	2.849	12.3	21.9
7 20	18 47.54	−58 3.4	1.956	2.815	13.3	21.9
7 30	18 31.82	−56 39.5	1.967	2.782	14.9	21.9
8 9	18 20.40	−54 48.4	1.999	2.747	16.8	22.0
305677	2009 BA_{104}		7 8.1	145.°67	2.°4/ 8.9	18
5 31	19 34.99	−13 56.7	2.237	3.049	13.4	21.4
6 10	19 30.57	−14 2.1	2.156	3.054	10.6	21.3
6 20	19 24.23	−14 16.2	2.097	3.059	7.4	21.1
6 30	19 16.49	−14 38.3	2.064	3.063	4.2	20.9
7 10	19 8.06	−15 6.7	2.057	3.068	2.5	20.8
7 20	18 59.77	−15 39.4	2.078	3.072	4.8	20.9
7 30	18 52.44	−16 14.3	2.127	3.076	8.1	21.1
8 9	18 46.74	−16 49.4	2.199	3.079	11.1	21.3
154493	Portisch		7 8.1	42.°68	7.°7/ 6.1	17
5 31	19 41.48	−38 0.3	1.555	2.394	16.9	19.9
6 10	19 37.13	−39 7.2	1.494	2.401	13.8	19.7
6 20	19 29.37	−40 7.3	1.452	2.407	10.6	19.5
6 30	19 19.01	−40 52.0	1.433	2.414	8.2	19.4
7 10	19 7.44	−41 14.6	1.438	2.422	7.9	19.4
7 20	18 56.30	−41 12.5	1.467	2.429	9.9	19.5
7 30	18 47.14	−40 47.4	1.519	2.437	12.9	19.7
8 9	18 41.04	−40 4.8	1.591	2.445	15.9	19.9
289145	2004 VK_{14}		7 8.1	269.°11	1.°8/ 7.3	18
5 31	19 34.57	−26 26.7	2.541	3.367	11.5	20.5
6 10	19 30.33	−26 59.7	2.443	3.353	9.0	20.3
6 20	19 24.17	−27 34.5	2.368	3.339	6.1	20.1
6 30	19 16.51	−28 8.1	2.319	3.324	3.1	19.8
7 10	19 8.05	−28 37.6	2.298	3.310	2.1	19.7
7 20	18 59.59	−29 0.7	2.305	3.295	4.8	19.9
7 30	18 51.96	−29 16.3	2.340	3.280	7.9	20.1
8 9	18 45.89	−29 24.6	2.399	3.266	10.8	20.2
157309	2004 ST_{29}		7 8.1	20.°44	2.°7/ 7.4	18
5 31	19 37.71	−27 34.4	1.569	2.417	16.4	19.8
6 10	19 33.76	−28 0.8	1.498	2.420	12.8	19.6
6 20	19 26.91	−28 27.9	1.447	2.422	8.7	19.3
6 30	19 17.86	−28 51.4	1.419	2.425	4.5	19.1
7 10	19 7.77	−29 6.9	1.416	2.428	3.0	19.0
7 20	18 57.96	−29 11.9	1.438	2.431	6.6	19.2
7 30	18 49.75	−29 6.2	1.485	2.435	10.8	19.5
8 9	18 44.11	−28 51.9	1.554	2.439	14.6	19.7
380275	2002 AL_{65}		7 8.1	76.°06	2.°3/ 7.8	17
5 31	19 43.55	−29 16.8	1.724	2.557	15.8	20.5
6 10	19 37.66	−29 12.1	1.666	2.578	12.3	20.3
6 20	19 29.08	−29 4.4	1.629	2.600	8.3	20.1
6 30	19 18.67	−28 50.4	1.616	2.622	4.3	19.9
7 10	19 7.62	−28 28.0	1.630	2.643	2.5	19.8
7 20	18 57.18	−27 57.3	1.671	2.664	5.9	20.1
7 30	18 48.48	−27 20.1	1.738	2.685	9.7	20.4
8 9	18 42.28	−26 39.3	1.829	2.706	13.1	20.6
85665	1998 QG_{46}		7 8.1	306.°47	1.°0/ 8.4	18
5 31	19 32.88	−18 45.0	2.120	2.950	13.4	19.1
6 10	19 29.32	−18 49.5	2.018	2.930	10.6	18.8
6 20	19 23.66	−18 59.8	1.939	2.910	7.2	18.6
6 30	19 16.35	−19 15.1	1.884	2.890	3.5	18.3
7 10	19 8.12	−19 33.4	1.856	2.871	1.2	18.1
7 20	18 59.87	−19 53.0	1.854	2.852	4.8	18.3
7 30	18 52.52	−20 12.3	1.879	2.833	8.7	18.5
8 9	18 46.89	−20 30.1	1.928	2.814	12.1	18.7
343889	2011 HT_{93}		7 8.1	39.°39	2.°0/ 7.4	17
5 31	19 36.78	−24 55.5	1.622	2.468	16.0	21.2
6 10	19 32.89	−25 34.2	1.552	2.474	12.5	21.0
6 20	19 26.26	−26 16.8	1.504	2.480	8.4	20.7
6 30	19 17.56	−26 58.8	1.478	2.486	4.1	20.5
7 10	19 7.86	−27 35.6	1.479	2.492	2.4	20.4
7 20	18 58.40	−28 3.7	1.505	2.499	6.2	20.7
7 30	18 50.43	−28 21.6	1.555	2.506	10.4	20.9
8 9	18 44.87	−28 30.0	1.628	2.513	14.1	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
488374	2016 WQ_{36}		7 8.1	348.°39	6.°4/ 8.5	18
	h m	° ′			°	m
5 31	19 35.32	− 9 27.2	1.937	2.744	15.3	19.9
6 10	19 31.09	− 8 2.9	1.854	2.740	12.6	19.7
6 20	19 24.71	− 6 46.1	1.793	2.736	9.8	19.5
6 30	19 16.76	− 5 40.3	1.755	2.733	7.3	19.3
7 10	19 8.06	− 4 48.3	1.744	2.730	6.5	19.3
7 20	18 59.51	− 4 11.8	1.758	2.728	7.9	19.4
7 30	18 52.05	− 3 51.0	1.797	2.726	10.6	19.5
8 9	18 46.42	− 3 44.1	1.859	2.724	13.5	19.7
27141	Krystleleung		7 8.1	310.°06	1.°7/ 7.5	18
5 31	19 35.05	−22 47.2	1.446	2.301	17.2	18.2
6 10	19 32.18	−23 35.3	1.358	2.285	13.5	17.9
6 20	19 26.24	−24 32.6	1.290	2.269	9.2	17.6
6 30	19 17.75	−25 34.6	1.244	2.253	4.4	17.3
7 10	19 7.77	−26 35.1	1.223	2.238	2.2	17.1
7 20	18 57.68	−27 28.3	1.227	2.223	7.0	17.4
7 30	18 49.01	−28 10.5	1.254	2.208	11.9	17.6
8 9	18 43.00	−28 40.8	1.302	2.195	16.3	17.9
309110	2006 WW_{104}		7 8.1	298.°97	2.°4/ 7.0	18
5 31	19 35.48	−26 23.3	2.125	2.959	13.2	20.8
6 10	19 31.40	−27 13.7	2.041	2.955	10.3	20.6
6 20	19 25.06	−28 6.9	1.979	2.951	7.0	20.4
6 30	19 16.98	−28 59.1	1.942	2.947	3.7	20.1
7 10	19 8.00	−29 45.8	1.933	2.944	2.7	20.1
7 20	18 59.06	−30 23.7	1.951	2.940	5.6	20.2
7 30	18 51.18	−30 51.2	1.996	2.937	9.0	20.4
8 9	18 45.20	−31 8.4	2.064	2.933	12.2	20.6
254254	2004 RM_{167}		7 8.1	326.°23	0.°4/ 8.2	18
5 31	19 32.20	−19 34.4	1.910	2.749	14.3	20.3
6 10	19 29.02	−19 55.5	1.819	2.735	11.2	20.1
6 20	19 23.57	−20 23.9	1.748	2.722	7.6	19.8
6 30	19 16.34	−20 57.6	1.701	2.709	3.5	19.6
7 10	19 8.15	−21 33.7	1.681	2.697	0.9	19.3
7 20	18 59.96	−22 9.2	1.687	2.685	5.1	19.6
7 30	18 52.81	−22 41.9	1.718	2.674	9.2	19.8
8 9	18 47.55	−23 10.2	1.773	2.663	12.8	20.0
201847	2003 YB_{88}		7 8.1	250.°73	0.°9/ 8.4	18
5 31	19 35.62	−18 15.8	2.133	2.957	13.5	20.9
6 10	19 31.40	−18 32.4	2.038	2.945	10.7	20.7
6 20	19 25.02	−18 55.9	1.964	2.934	7.3	20.4
6 30	19 16.97	−19 24.9	1.916	2.922	3.5	20.2
7 10	19 8.01	−19 56.9	1.894	2.910	1.1	20.0
7 20	18 59.06	−20 29.5	1.901	2.898	4.8	20.2
7 30	18 51.05	−21 0.5	1.934	2.885	8.6	20.4
8 9	18 44.81	−21 28.7	1.991	2.872	12.0	20.6
60837	2000 HU_{53}		7 8.1	331.°95	4.°5/ 6.7	18
5 31	19 29.23	−26 12.7	0.980	1.871	20.6	18.2
6 10	19 28.98	−27 15.9	0.903	1.850	16.4	17.9
6 20	19 24.88	−28 29.0	0.843	1.829	11.4	17.5
6 30	19 17.41	−29 44.6	0.802	1.810	6.3	17.2
7 10	19 7.86	−30 53.1	0.781	1.792	5.0	17.1
7 20	18 58.13	−31 45.3	0.780	1.776	9.9	17.3
7 30	18 50.40	−32 16.6	0.799	1.762	15.6	17.5
8 9	18 46.34	−32 27.3	0.834	1.749	20.8	17.7
162876	2001 FC_{24}		7 8.1	176.°98	18.°5/16.0	18
5 31	19 37.82	+15 22.8	1.287	2.010	25.6	20.1
6 10	19 34.17	+16 51.8	1.226	2.011	23.7	20.0
6 20	19 27.42	+17 45.6	1.176	2.012	21.7	19.8
6 30	19 18.21	+17 54.3	1.140	2.012	19.9	19.7
7 10	19 7.72	+17 11.8	1.121	2.012	18.7	19.6
7 20	18 57.36	+15 38.1	1.120	2.012	18.6	19.6
7 30	18 48.59	+13 20.0	1.137	2.011	19.6	19.7
8 9	18 42.56	+10 30.3	1.171	2.010	21.4	19.8
418156	2008 AW_{97}		7 8.1	167.°08	2.°3/ 7.6	17
5 31	19 43.16	−27 45.8	1.923	2.749	14.7	22.0
6 10	19 37.44	−28 3.4	1.845	2.754	11.5	21.8
6 20	19 29.10	−28 20.6	1.788	2.758	7.8	21.6
6 30	19 18.81	−28 33.6	1.757	2.762	4.0	21.4
7 10	19 7.62	−28 39.1	1.753	2.765	2.5	21.3
7 20	18 56.70	−28 35.3	1.776	2.767	5.8	21.5
7 30	18 47.20	−28 22.6	1.826	2.769	9.6	21.8
8 9	18 40.02	−28 2.9	1.899	2.769	13.0	22.0
121612	1999 VD_{150}		7 8.1	266.°51	3.°4/ 6.7	18
5 31	19 36.96	−31 35.7	2.625	3.445	11.4	21.0
6 10	19 32.30	−32 15.0	2.520	3.424	9.0	20.8
6 20	19 25.58	−32 53.4	2.439	3.403	6.4	20.6
6 30	19 17.23	−33 27.2	2.384	3.381	4.1	20.4
7 10	19 7.98	−33 52.9	2.357	3.359	3.6	20.3
7 20	18 58.67	−34 8.1	2.358	3.336	5.6	20.4
7 30	18 50.21	−34 12.0	2.386	3.314	8.4	20.6
8 9	18 43.40	−34 5.8	2.439	3.291	11.1	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394710	2008 DD_{86}		7	8.1	46.°10	3.°4/ 9.2 16
	h m	° ′			°	m
5 31	19 33.19	−12 27.1	2.045	2.862	14.3	21.2
6 10	19 29.32	−12 17.4	1.972	2.870	11.4	21.1
6 20	19 23.47	−12 17.3	1.919	2.879	8.2	20.9
6 30	19 16.20	−12 27.1	1.891	2.887	5.0	20.7
7 10	19 8.26	−12 45.5	1.889	2.896	3.4	20.6
7 20	19 0.52	−13 11.0	1.914	2.906	5.4	20.8
7 30	18 53.82	−13 41.3	1.965	2.915	8.6	21.0
8 9	18 48.82	−14 14.1	2.040	2.925	11.6	21.2
275707	2000 WH_{20}		7	8.1	315.°73	6.°1/ 5.9 17
5 31	19 36.99	−32 21.1	1.542	2.394	16.5	20.1
6 10	19 33.82	−33 37.6	1.460	2.380	13.2	19.9
6 20	19 27.41	−34 55.2	1.398	2.366	9.7	19.6
6 30	19 18.33	−36 6.2	1.359	2.353	6.7	19.4
7 10	19 7.70	−37 2.5	1.344	2.341	6.4	19.4
7 20	18 57.03	−37 38.5	1.353	2.329	9.2	19.5
7 30	18 47.92	−37 52.6	1.386	2.317	13.0	19.7
8 9	18 41.65	−37 47.4	1.438	2.306	16.6	19.9
193590	2001 BQ_{45}		7	8.1	208.°83	4.°3/ 9.1 18
5 31	19 36.88	−10 56.3	2.246	3.045	13.7	20.3
6 10	19 32.07	−10 21.5	2.154	3.040	11.2	20.1
6 20	19 25.30	− 9 54.9	2.085	3.034	8.3	19.9
6 30	19 17.05	− 9 37.5	2.040	3.028	5.5	19.7
7 10	19 8.06	− 9 29.9	2.022	3.022	4.3	19.6
7 20	18 59.15	− 9 31.6	2.032	3.015	6.0	19.7
7 30	18 51.17	− 9 41.7	2.069	3.007	8.9	19.9
8 9	18 44.83	− 9 58.2	2.129	3.000	11.8	20.0
21754	Tvaruzkova		7	8.1	236.°42	3.°5/ 9.1 18
5 31	19 37.30	−12 42.5	1.703	2.524	16.5	19.2
6 10	19 33.17	−12 43.5	1.614	2.516	13.3	18.9
6 20	19 26.46	−12 56.8	1.546	2.508	9.5	18.7
6 30	19 17.73	−13 22.5	1.500	2.499	5.6	18.4
7 10	19 7.88	−13 58.7	1.480	2.490	3.5	18.3
7 20	18 58.04	−14 42.6	1.487	2.481	6.3	18.4
7 30	18 49.39	−15 30.8	1.518	2.471	10.4	18.6
8 9	18 42.92	−16 20.1	1.573	2.461	14.3	18.8
386411	2008 UU_{262}		7	8.1	231.°04	1.°7/ 7.3 18
5 31	19 37.75	−23 38.0	2.154	2.981	13.3	20.9
6 10	19 33.19	−24 33.2	2.062	2.972	10.4	20.7
6 20	19 26.32	−25 34.0	1.991	2.963	7.0	20.5
6 30	19 17.62	−26 36.4	1.947	2.954	3.4	20.2
7 10	19 7.91	−27 36.0	1.931	2.944	2.0	20.1
7 20	18 58.14	−28 28.6	1.943	2.934	5.4	20.3
7 30	18 49.35	−29 11.8	1.982	2.923	9.0	20.5
8 9	18 42.44	−29 44.9	2.045	2.913	12.3	20.7
205650	2001 XS_{101}		7	8.1	218.°30	2.°1/ 7.4 17
5 31	19 40.91	−24 39.7	1.612	2.452	16.4	20.7
6 10	19 36.38	−25 23.6	1.529	2.446	12.9	20.4
6 20	19 28.83	−26 13.0	1.466	2.441	8.8	20.2
6 30	19 18.88	−27 2.9	1.427	2.434	4.3	19.9
7 10	19 7.60	−27 47.7	1.414	2.427	2.5	19.8
7 20	18 56.38	−28 22.9	1.427	2.420	6.6	20.0
7 30	18 46.62	−28 46.6	1.465	2.413	11.1	20.2
8 9	18 39.46	−28 59.3	1.525	2.404	15.2	20.5
271621	2004 PH_{52}		7	8.1	339.°58	1.°0/ 8.4 18
5 31	19 32.65	−17 21.9	1.380	2.235	17.9	20.0
6 10	19 30.18	−17 51.8	1.301	2.226	14.1	19.7
6 20	19 24.79	−18 34.6	1.241	2.218	9.7	19.4
6 30	19 17.06	−19 28.0	1.202	2.210	4.6	19.1
7 10	19 8.05	−20 27.4	1.187	2.203	1.3	18.9
7 20	18 59.08	−21 27.7	1.197	2.197	6.3	19.2
7 30	18 51.54	−22 24.2	1.230	2.192	11.3	19.5
8 9	18 46.57	−23 13.9	1.285	2.188	15.8	19.7
499900	2011 GD_5		7	8.1	143.°27	1.°4/ 7.5 17
5 31	19 39.72	−23 13.8	2.038	2.863	14.0	22.0
6 10	19 34.62	−24 3.4	1.963	2.873	10.9	21.8
6 20	19 27.17	−24 57.8	1.910	2.882	7.3	21.6
6 30	19 17.96	−25 53.0	1.883	2.890	3.4	21.4
7 10	19 7.87	−26 44.5	1.884	2.898	1.8	21.3
7 20	18 57.94	−27 28.7	1.913	2.905	5.3	21.6
7 30	18 49.20	−28 3.8	1.969	2.912	9.0	21.8
8 9	18 42.49	−28 29.6	2.049	2.919	12.2	22.0
254415	2004 UF_7		7	8.1	17.°51	7.°8/ 5.5 18
5 31	19 40.22	−43 21.6	2.171	2.982	13.7	19.3
6 10	19 35.47	−44 23.0	2.102	2.984	11.5	19.2
6 20	19 27.96	−45 15.2	2.056	2.986	9.4	19.1
6 30	19 18.36	−45 52.0	2.032	2.989	8.0	19.0
7 10	19 7.78	−46 8.4	2.034	2.991	7.9	19.0
7 20	18 57.48	−46 2.6	2.060	2.994	9.2	19.1
7 30	18 48.69	−45 35.8	2.111	2.998	11.3	19.2
8 9	18 42.35	−44 52.2	2.182	3.001	13.4	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
239447	2007 TX_{186}		7	8.1	306.°52	3.°6/ 6.9 18
	h m	° ′			°	m
5 31	19 37.10	−29 20.8	1.858	2.698	14.6	20.0
6 10	19 33.08	−30 7.5	1.776	2.692	11.5	19.8
6 20	19 26.42	−30 55.0	1.716	2.687	8.0	19.6
6 30	19 17.71	−31 38.3	1.680	2.682	4.7	19.4
7 10	19 7.93	−32 12.5	1.670	2.676	3.9	19.3
7 20	18 58.25	−32 34.3	1.686	2.671	6.7	19.5
7 30	18 49.87	−32 42.7	1.727	2.667	10.3	19.7
8 9	18 43.75	−32 39.3	1.791	2.662	13.7	19.9
109104	2001 QV_{36}		7	8.1	208.°54	2.°7/ 7.7 18
5 31	19 43.87	−30 19.8	1.974	2.798	14.4	19.0
6 10	19 38.04	−30 21.2	1.887	2.794	11.4	18.8
6 20	19 29.55	−30 19.2	1.821	2.788	7.9	18.6
6 30	19 19.06	−30 10.2	1.780	2.783	4.3	18.4
7 10	19 7.63	−29 51.4	1.766	2.777	2.9	18.3
7 20	18 56.44	−29 22.1	1.780	2.770	6.0	18.4
7 30	18 46.69	−28 43.7	1.821	2.763	9.7	18.6
8 9	18 39.26	−27 59.3	1.886	2.755	13.1	18.8
42404	7606 *P–L*		7	8.1	329.°89	1.°4/ 7.7 18
5 31	19 28.66	−22 35.4	1.048	1.933	20.0	18.6
6 10	19 28.21	−23 4.3	0.963	1.907	15.9	18.3
6 20	19 24.20	−23 43.4	0.895	1.881	10.9	17.9
6 30	19 17.08	−24 29.3	0.846	1.857	5.1	17.5
7 10	19 8.03	−25 16.1	0.818	1.834	2.1	17.2
7 20	18 58.73	−25 57.5	0.811	1.813	8.1	17.5
7 30	18 51.16	−26 29.0	0.824	1.793	14.3	17.8
8 9	18 46.93	−26 49.2	0.854	1.776	19.7	18.0
41076	1999 VH_{43}		7	8.1	228.°20	0.°6/ 7.8 18 R
5 31	19 35.00	−23 48.3	2.952	3.767	10.4	20.4
6 10	19 30.31	−24 1.8	2.852	3.756	8.1	20.2
6 20	19 23.99	−24 17.0	2.775	3.745	5.4	20.0
6 30	19 16.44	−24 32.2	2.725	3.733	2.5	19.8
7 10	19 8.26	−24 45.6	2.705	3.720	0.9	19.7
7 20	19 0.11	−24 55.8	2.713	3.707	3.8	19.9
7 30	18 52.68	−25 2.2	2.750	3.694	6.7	20.0
8 9	18 46.57	−25 4.7	2.812	3.680	9.3	20.2
58698	1998 BE_{31}		7	8.1	324.°59	0.°4/ 8.2 18
5 31	19 36.65	−20 31.4	1.687	2.526	15.8	20.0
6 10	19 32.67	−20 38.8	1.608	2.525	12.4	19.8
6 20	19 26.10	−20 52.0	1.548	2.523	8.4	19.5
6 30	19 17.54	−21 9.1	1.513	2.521	3.9	19.3
7 10	19 8.00	−21 27.3	1.503	2.519	1.0	19.0
7 20	18 58.61	−21 44.3	1.520	2.518	5.6	19.4
7 30	18 50.55	−21 58.5	1.561	2.516	9.9	19.6
8 9	18 44.75	−22 9.5	1.625	2.515	13.8	19.8
4640	Hara		7	8.1	152.°67	2.°6/ 7.5 18
5 31	19 43.25	−27 28.2	1.619	2.456	16.5	17.1
6 10	19 37.99	−27 52.6	1.547	2.462	12.9	16.9
6 20	19 29.74	−28 17.5	1.495	2.467	8.8	16.6
6 30	19 19.21	−28 38.4	1.467	2.472	4.5	16.4
7 10	19 7.62	−28 50.8	1.464	2.477	2.9	16.3
7 20	18 56.35	−28 52.3	1.489	2.481	6.6	16.5
7 30	18 46.76	−28 43.4	1.538	2.484	10.8	16.8
8 9	18 39.85	−28 26.1	1.609	2.487	14.6	17.0
403982	2012 BL_{104}		7	8.1	264.°68	1.°1/ 8.6 18
5 31	19 33.44	−16 8.0	2.440	3.255	12.3	20.8
6 10	19 29.43	−16 40.2	2.345	3.247	9.7	20.6
6 20	19 23.58	−17 20.9	2.272	3.238	6.6	20.4
6 30	19 16.32	−18 8.4	2.225	3.230	3.3	20.2
7 10	19 8.30	−19 0.0	2.206	3.221	1.2	20.0
7 20	19 0.26	−19 53.1	2.215	3.212	4.3	20.2
7 30	18 53.02	−20 44.8	2.253	3.203	7.6	20.4
8 9	18 47.25	−21 33.2	2.315	3.194	10.7	20.6
393151	2013 BB_{80}		7	8.1	146.°21	1.°5/ 8.6 18
5 31	19 34.39	−16 57.0	2.180	3.002	13.3	21.5
6 10	19 30.26	−17 4.2	2.097	3.003	10.5	21.3
6 20	19 24.15	−17 18.4	2.036	3.003	7.2	21.1
6 30	19 16.56	−17 38.4	2.000	3.004	3.7	20.8
7 10	19 8.25	−18 2.4	1.991	3.005	1.6	20.7
7 20	19 0.05	−18 28.5	2.009	3.006	4.6	20.9
7 30	18 52.84	−18 54.7	2.054	3.006	8.1	21.1
8 9	18 47.30	−19 19.9	2.124	3.007	11.3	21.3
139186	2001 FR_{144}		7	8.1	40.°51	1.°0/ 7.8 17
5 31	19 37.35	−22 21.4	1.363	2.217	18.1	19.6
6 10	19 33.75	−22 51.0	1.298	2.224	14.1	19.4
6 20	19 27.07	−23 27.4	1.253	2.231	9.4	19.2
6 30	19 18.04	−24 6.3	1.229	2.238	4.3	18.9
7 10	19 7.90	−24 42.9	1.231	2.246	1.5	18.7
7 20	18 58.07	−25 13.2	1.256	2.254	6.5	19.1
7 30	18 49.97	−25 35.3	1.306	2.263	11.3	19.4
8 9	18 44.62	−25 49.2	1.376	2.271	15.4	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
247404	2002 BV_{21}		7	8.1	111.°69	1.°2/ 8.3 17
	h m	° ′			°	m
5 31	19 40.66	−19 15.8	1.509	2.347	17.5	21.0
6 10	19 35.89	−19 13.2	1.442	2.357	13.7	20.7
6 20	19 28.27	−19 17.6	1.394	2.367	9.3	20.5
6 30	19 18.52	−19 27.0	1.370	2.377	4.5	20.3
7 10	19 7.82	−19 39.0	1.371	2.386	1.5	20.1
7 20	18 57.47	−19 51.4	1.397	2.395	6.0	20.4
7 30	18 48.75	−20 2.9	1.449	2.404	10.6	20.7
8 9	18 42.58	−20 12.9	1.523	2.413	14.5	20.9
2565	Grögler		7	8.1	290.°72	1.°4/ 7.8 18 R
5 31	19 38.44	−24 30.3	1.519	2.366	16.9	18.0
6 10	19 34.87	−24 45.3	1.418	2.340	13.4	17.7
6 20	19 28.14	−25 4.3	1.337	2.314	9.2	17.4
6 30	19 18.73	−25 23.9	1.278	2.287	4.4	17.0
7 10	19 7.71	−25 39.9	1.245	2.260	1.9	16.8
7 20	18 56.46	−25 48.9	1.236	2.233	6.8	17.0
7 30	18 46.57	−25 49.7	1.251	2.206	11.9	17.2
8 9	18 39.35	−25 43.1	1.287	2.179	16.6	17.4
234355	2001 HX_{57}		7	8.1	87.°38	3.°1/ 6.8 18
5 31	19 39.17	−27 3.3	1.929	2.762	14.4	19.9
6 10	19 34.36	−28 9.1	1.865	2.778	11.2	19.8
6 20	19 27.07	−29 17.2	1.824	2.795	7.6	19.6
6 30	19 17.95	−30 22.0	1.808	2.811	4.2	19.4
7 10	19 7.96	−31 18.4	1.819	2.827	3.3	19.4
7 20	18 58.21	−32 2.6	1.857	2.842	6.2	19.6
7 30	18 49.79	−32 33.2	1.921	2.858	9.6	19.8
8 9	18 43.54	−32 51.2	2.009	2.873	12.7	20.1
355694	2008 FD_{34}		7	8.1	337.°90	4.°4/ 9.6 18
5 31	19 32.50	− 9 23.2	2.101	2.908	14.3	20.8
6 10	19 28.85	− 9 11.3	2.016	2.905	11.6	20.6
6 20	19 23.24	− 9 10.9	1.952	2.903	8.7	20.5
6 30	19 16.18	− 9 22.7	1.912	2.900	5.8	20.3
7 10	19 8.38	− 9 46.2	1.898	2.898	4.4	20.2
7 20	19 0.67	−10 19.7	1.910	2.896	6.0	20.3
7 30	18 53.89	−11 0.6	1.948	2.894	8.9	20.5
8 9	18 48.76	−11 46.0	2.010	2.893	11.9	20.6
296493	2009 JB_2		7	8.1	353.°05	8.°5/ 8.1 18
5 31	19 34.95	− 6 57.9	1.757	2.564	16.7	19.1
6 10	19 31.05	− 5 4.7	1.678	2.558	14.1	18.9
6 20	19 24.85	− 3 19.9	1.619	2.553	11.3	18.7
6 30	19 16.94	− 1 49.1	1.584	2.549	9.1	18.5
7 10	19 8.20	− 0 36.7	1.573	2.546	8.5	18.5
7 20	18 59.62	+ 0 14.3	1.587	2.543	9.8	18.6
7 30	18 52.21	+ 0 43.3	1.625	2.542	12.3	18.7
8 9	18 46.77	+ 0 52.7	1.684	2.542	15.0	18.9
187179	2005 SV_{44}		7	8.1	197.°11	3.°4/ 9.3 18
5 31	19 33.54	−10 50.3	2.747	3.540	11.6	21.5
6 10	19 29.14	−10 32.1	2.655	3.538	9.4	21.4
6 20	19 23.18	−10 21.4	2.587	3.535	6.9	21.2
6 30	19 16.08	−10 18.9	2.544	3.532	4.5	21.1
7 10	19 8.42	−10 24.1	2.528	3.529	3.4	21.0
7 20	19 0.82	−10 36.4	2.541	3.525	4.8	21.1
7 30	18 53.96	−10 54.6	2.582	3.521	7.3	21.2
8 9	18 48.39	−11 17.0	2.647	3.517	9.8	21.4
305398	2008 CD_{77}		7	8.1	152.°52	1.°5/ 8.7 18
5 31	19 34.46	−15 53.0	2.391	3.205	12.5	20.6
6 10	19 30.13	−16 11.4	2.308	3.208	9.9	20.4
6 20	19 23.99	−16 37.4	2.247	3.212	6.8	20.2
6 30	19 16.49	−17 9.7	2.211	3.215	3.5	20.0
7 10	19 8.33	−17 46.1	2.204	3.218	1.6	19.9
7 20	19 0.26	−18 24.4	2.225	3.221	4.3	20.1
7 30	18 53.08	−19 2.4	2.273	3.223	7.6	20.3
8 9	18 47.43	−19 38.6	2.347	3.226	10.5	20.5
185541	2007 XE_{33}		7	8.1	200.°69	4.°0/ 9.5 18
5 31	19 33.62	− 9 26.3	2.522	3.315	12.5	21.1
6 10	19 29.36	− 9 11.8	2.432	3.313	10.2	20.9
6 20	19 23.41	− 9 6.8	2.364	3.310	7.6	20.7
6 30	19 16.21	− 9 11.7	2.321	3.307	5.1	20.6
7 10	19 8.39	− 9 26.2	2.306	3.304	4.0	20.5
7 20	19 0.64	− 9 49.2	2.318	3.301	5.3	20.6
7 30	18 53.68	−10 19.0	2.357	3.297	7.9	20.7
8 9	18 48.11	−10 53.3	2.421	3.293	10.5	20.9
510877	2013 CG_{127}		7	8.1	107.°40	1.°4/ 7.5 18
5 31	19 35.61	−25 6.3	2.403	3.229	12.1	21.8
6 10	19 31.08	−25 36.8	2.327	3.238	9.4	21.6
6 20	19 24.63	−26 9.3	2.275	3.246	6.3	21.4
6 30	19 16.78	−26 40.8	2.248	3.254	3.0	21.2
7 10	19 8.27	−27 8.6	2.249	3.263	1.7	21.1
7 20	18 59.92	−27 30.6	2.278	3.271	4.6	21.4
7 30	18 52.56	−27 45.8	2.335	3.279	7.7	21.6
8 9	18 46.86	−27 54.5	2.416	3.287	10.6	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
455318	2002 HD_{14}		7	8.1	38.°92	9.°7/ 5.4 17
	h m	° ′			°	m
5 31	19 40.77	−36 12.2	1.096	1.963	20.7	20.6
6 10	19 37.68	−38 7.5	1.056	1.979	16.8	20.4
6 20	19 30.33	−39 56.4	1.033	1.997	12.9	20.2
6 30	19 19.69	−41 25.8	1.031	2.015	10.1	20.1
7 10	19 7.58	−42 24.9	1.050	2.035	10.0	20.2
7 20	18 56.16	−42 49.2	1.091	2.055	12.4	20.4
7 30	18 47.40	−42 41.6	1.152	2.075	15.7	20.7
8 9	18 42.53	−42 9.6	1.231	2.096	18.9	20.9
337132	1999 TO_{131}		7	8.1	290.°96	2.°6/ 8.7 18
5 31	19 35.55	−15 59.5	1.804	2.633	15.4	20.6
6 10	19 31.86	−15 46.1	1.700	2.609	12.4	20.4
6 20	19 25.68	−15 40.4	1.617	2.585	8.7	20.1
6 30	19 17.46	−15 42.4	1.557	2.560	4.8	19.8
7 10	19 8.07	−15 51.3	1.523	2.536	2.7	19.6
7 20	18 58.55	−16 5.6	1.515	2.511	6.0	19.8
7 30	18 50.06	−16 23.7	1.533	2.487	10.2	20.0
8 9	18 43.61	−16 44.0	1.573	2.462	14.2	20.1
292753	2006 UJ_{183}		7	8.1	181.°54	4.°6/ 6.3 18
5 31	19 39.06	−34 37.3	2.417	3.236	12.3	20.9
6 10	19 34.06	−35 30.4	2.337	3.237	9.8	20.7
6 20	19 26.80	−36 20.5	2.280	3.237	7.2	20.6
6 30	19 17.84	−37 2.8	2.249	3.237	5.1	20.4
7 10	19 8.01	−37 33.2	2.245	3.237	4.8	20.4
7 20	18 58.30	−37 49.2	2.269	3.236	6.6	20.5
7 30	18 49.70	−37 50.8	2.319	3.235	9.2	20.7
8 9	18 43.01	−37 39.8	2.392	3.234	11.7	20.9
383847	2008 JD_{38}		7	8.1	67.°24	1.°1/ 8.6 17
5 31	19 36.90	−15 35.4	1.582	2.416	16.9	21.0
6 10	19 33.01	−16 23.7	1.508	2.421	13.4	20.8
6 20	19 26.43	−17 25.7	1.455	2.426	9.1	20.5
6 30	19 17.76	−18 38.4	1.425	2.431	4.4	20.3
7 10	19 8.02	−19 56.4	1.420	2.436	1.3	20.1
7 20	18 58.41	−21 14.1	1.443	2.441	5.8	20.4
7 30	18 50.16	−22 26.5	1.491	2.446	10.3	20.7
8 9	18 44.24	−23 30.5	1.561	2.452	14.2	20.9
109161	2001 QN_{62}		7	8.1	281.°78	4.°4/ 9.2 18
5 31	19 35.66	−11 30.6	1.709	2.530	16.4	20.1
6 10	19 32.05	−11 17.1	1.608	2.508	13.4	19.8
6 20	19 25.87	−11 15.8	1.527	2.486	9.9	19.5
6 30	19 17.58	−11 27.8	1.469	2.464	6.2	19.3
7 10	19 8.05	−11 52.5	1.436	2.442	4.4	19.1
7 20	18 58.37	−12 28.2	1.428	2.419	6.8	19.2
7 30	18 49.74	−13 12.0	1.445	2.397	10.9	19.4
8 9	18 43.21	−14 0.3	1.484	2.374	14.9	19.6
344141	2000 HS_{66}		7	8.1	90.°77	4.°0/ 6.8 17
5 31	19 39.38	−31 35.1	2.058	2.888	13.7	21.2
6 10	19 34.43	−32 23.7	1.993	2.902	10.8	21.0
6 20	19 27.07	−33 10.4	1.950	2.916	7.6	20.8
6 30	19 17.94	−33 50.1	1.933	2.929	4.8	20.7
7 10	19 8.01	−34 18.6	1.942	2.943	4.2	20.7
7 20	18 58.37	−34 33.7	1.978	2.957	6.5	20.8
7 30	18 50.06	−34 35.4	2.040	2.970	9.5	21.0
8 9	18 43.90	−34 25.7	2.125	2.983	12.3	21.2
22115	2000 RB_{62}		7	8.1	99.°98	4.°9/ 6.3 18
5 31	19 40.95	−32 11.7	1.907	2.738	14.6	17.8
6 10	19 35.95	−33 21.8	1.843	2.752	11.6	17.6
6 20	19 28.26	−34 30.3	1.801	2.765	8.3	17.5
6 30	19 18.55	−35 30.9	1.784	2.778	5.6	17.3
7 10	19 7.87	−36 17.8	1.794	2.791	5.1	17.3
7 20	18 57.44	−36 47.7	1.830	2.803	7.4	17.5
7 30	18 48.47	−37 0.4	1.892	2.816	10.5	17.7
8 9	18 41.88	−36 58.3	1.976	2.828	13.3	17.9
340337	2006 DR_{47}		7	8.1	340.°72	4.°6/ 7.4 17
5 31	19 36.82	−32 3.3	1.412	2.269	17.4	19.9
6 10	19 33.68	−32 21.7	1.334	2.259	13.9	19.7
6 20	19 27.25	−32 36.2	1.276	2.250	9.9	19.4
6 30	19 18.23	−32 41.3	1.239	2.241	6.0	19.2
7 10	19 7.93	−32 32.3	1.226	2.234	4.8	19.1
7 20	18 57.88	−32 7.5	1.237	2.227	8.0	19.3
7 30	18 49.63	−31 28.3	1.271	2.221	12.2	19.5
8 9	18 44.30	−30 39.0	1.326	2.216	16.2	19.7
75602	2000 AF_{28}		7	8.1	60.°29	0.°5/ 7.9 17
5 31	19 39.10	−22 38.2	1.419	2.268	17.8	19.2
6 10	19 34.87	−22 49.9	1.359	2.281	13.8	18.9
6 20	19 27.67	−23 6.4	1.318	2.294	9.2	18.7
6 30	19 18.28	−23 24.3	1.299	2.308	4.2	18.5
7 10	19 7.95	−23 40.3	1.306	2.322	1.2	18.3
7 20	18 58.05	−23 51.6	1.337	2.336	6.2	18.7
7 30	18 49.91	−23 57.6	1.393	2.350	10.8	19.0
8 9	18 44.44	−23 58.7	1.470	2.364	14.8	19.2

340493 2006 HU_{96} 7 8.1 201.°49 2.°6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.08	−14 22.5	2.469	3.271	12.5	22.2
6 10	19 32.11	−14 7.8	2.375	3.267	10.0	22.0
6 20	19 25.30	−13 59.5	2.304	3.262	7.1	21.8
6 30	19 17.11	−13 57.5	2.259	3.256	4.1	21.6
7 10	19 8.24	−14 1.3	2.241	3.250	2.7	21.5
7 20	18 59.43	−14 9.9	2.253	3.243	4.8	21.6
7 30	18 51.48	−14 22.3	2.292	3.236	7.8	21.8
8 9	18 45.06	−14 37.2	2.356	3.228	10.7	22.0

442759 2012 XJ_{37} 7 8.1 262.°41 3.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.31	−28 8.1	2.133	2.962	13.3	21.2
6 10	19 33.89	−29 13.4	2.035	2.945	10.5	21.0
6 20	19 27.00	−30 22.4	1.959	2.928	7.3	20.7
6 30	19 18.08	−31 29.9	1.909	2.910	4.3	20.5
7 10	19 7.97	−32 30.5	1.886	2.892	3.7	20.4
7 20	18 57.70	−33 19.7	1.892	2.874	6.4	20.6
7 30	18 48.43	−33 55.2	1.923	2.855	9.9	20.7
8 9	18 41.14	−34 17.3	1.978	2.836	13.1	20.9

240681 2005 EZ_{132} 7 8.1 139.°01 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.96	−25 2.0	2.146	2.973	13.3	20.6
6 10	19 33.21	−25 48.7	2.069	2.980	10.4	20.4
6 20	19 26.24	−26 38.5	2.015	2.987	7.0	20.2
6 30	19 17.60	−27 27.7	1.987	2.993	3.5	20.0
7 10	19 8.13	−28 12.1	1.986	2.999	2.1	19.9
7 20	18 58.79	−28 48.7	2.014	3.004	5.3	20.1
7 30	18 50.57	−29 15.9	2.068	3.010	8.7	20.4
8 9	18 44.25	−29 34.0	2.146	3.015	11.8	20.6

513735 2012 TR_{326} 7 8.1 160.°01 4.°4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.95	− 9 7.5	2.493	3.281	12.8	21.9
6 10	19 31.09	− 8 36.6	2.411	3.287	10.5	21.8
6 20	19 24.53	− 8 14.6	2.350	3.292	7.9	21.6
6 30	19 16.72	− 8 2.5	2.315	3.297	5.4	21.5
7 10	19 8.34	− 8 0.4	2.307	3.302	4.4	21.4
7 20	19 0.10	− 8 7.8	2.327	3.305	5.7	21.5
7 30	18 52.72	− 8 23.3	2.374	3.309	8.1	21.6
8 9	18 46.80	− 8 45.0	2.446	3.312	10.6	21.8

35289 1996 TL_{40} 7 8.1 302.°38 3.°3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.88	−27 48.2	1.576	2.426	16.3	19.1
6 10	19 33.58	−28 27.5	1.481	2.404	12.9	18.8
6 20	19 27.22	−29 9.7	1.407	2.382	9.0	18.5
6 30	19 18.32	−29 49.9	1.355	2.360	4.9	18.2
7 10	19 7.92	−30 22.3	1.328	2.338	3.7	18.1
7 20	18 57.39	−30 42.8	1.326	2.317	7.3	18.3
7 30	18 48.23	−30 49.5	1.348	2.296	11.8	18.5
8 9	18 41.71	−30 44.0	1.391	2.276	16.0	18.7

191771 2004 TH_{68} 7 8.1 201.°39 4.°1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.11	− 9 9.9	2.308	3.101	13.6	21.3
6 10	19 31.49	− 9 2.3	2.217	3.097	11.1	21.1
6 20	19 24.96	− 9 5.6	2.146	3.093	8.2	20.9
6 30	19 16.99	− 9 20.3	2.101	3.088	5.5	20.7
7 10	19 8.28	− 9 45.6	2.082	3.082	4.2	20.6
7 20	18 59.60	−10 20.0	2.092	3.076	5.7	20.7
7 30	18 51.80	−11 1.1	2.128	3.070	8.5	20.9
8 9	18 45.57	−11 46.2	2.190	3.063	11.4	21.0

158410 2002 AV_{39} 7 8.1 249.°09 0.°8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.74	−19 48.9	2.099	2.919	13.8	20.4
6 10	19 33.97	−19 48.1	1.995	2.902	10.9	20.2
6 20	19 26.88	−19 51.9	1.914	2.883	7.5	19.9
6 30	19 17.97	−19 59.0	1.857	2.864	3.6	19.7
7 10	19 8.04	−20 7.6	1.828	2.844	1.1	19.4
7 20	18 58.05	−20 16.1	1.827	2.824	5.0	19.7
7 30	18 49.06	−20 23.6	1.853	2.803	9.0	19.9
8 9	18 41.93	−20 29.6	1.903	2.781	12.6	20.1

483135 2015 OD_{20} 7 8.1 269.°10 0.°8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.09	−25 46.0	2.716	3.532	11.2	22.0
6 10	19 32.95	−25 37.0	2.603	3.507	8.8	21.8
6 20	19 25.92	−25 27.3	2.513	3.482	5.9	21.6
6 30	19 17.44	−25 15.3	2.449	3.456	2.8	21.3
7 10	19 8.18	−24 59.5	2.415	3.430	1.0	21.1
7 20	18 58.92	−24 39.3	2.409	3.403	4.2	21.3
7 30	18 50.47	−24 15.2	2.432	3.376	7.5	21.5
8 9	18 43.53	−23 48.1	2.481	3.349	10.4	21.7

42672 1998 HL_{91} 7 8.1 337.°15 6.°2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.26	−10 5.5	1.245	2.091	19.9	17.7
6 10	19 30.04	− 9 34.3	1.168	2.081	16.4	17.4
6 20	19 24.81	− 9 19.5	1.109	2.073	12.3	17.1
6 30	19 17.17	− 9 23.5	1.071	2.065	8.2	16.9
7 10	19 8.23	− 9 46.7	1.053	2.057	6.2	16.8
7 20	18 59.36	−10 26.9	1.059	2.051	8.5	16.9
7 30	18 52.00	−11 19.7	1.086	2.046	12.8	17.1
8 9	18 47.29	−12 19.6	1.133	2.041	17.1	17.3

255002 2005 TT_{13} 7 8.1 301.°61 2.°9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.29	−15 35.4	2.096	2.917	13.8	20.1
6 10	19 30.39	−15 4.5	1.998	2.901	11.1	19.9
6 20	19 24.39	−14 39.1	1.922	2.885	7.9	19.7
6 30	19 16.79	−14 19.7	1.870	2.869	4.6	19.4
7 10	19 8.34	−14 6.5	1.844	2.854	3.0	19.3
7 20	18 59.91	−13 59.2	1.846	2.838	5.5	19.4
7 30	18 52.43	−13 57.2	1.873	2.823	9.0	19.6
8 9	18 46.68	−13 59.7	1.924	2.808	12.3	19.8

254396 2004 TB_{230} 7 8.1 237.°37 7.°3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.53	− 0 21.7	2.655	3.406	13.0	19.9
6 10	19 29.21	+ 0 43.5	2.565	3.400	11.2	19.8
6 20	19 23.29	+ 1 37.6	2.496	3.394	9.4	19.7
6 30	19 16.19	+ 2 17.5	2.451	3.387	7.9	19.6
7 10	19 8.49	+ 2 41.5	2.432	3.381	7.3	19.5
7 20	19 0.84	+ 2 48.9	2.439	3.374	8.0	19.5
7 30	18 53.91	+ 2 40.7	2.471	3.367	9.5	19.6
8 9	18 48.29	+ 2 19.1	2.527	3.360	11.4	19.7

521518 2015 ON_{97} 7 8.1 145.°93 4.°9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.08	−37 15.6	2.542	3.356	11.9	21.9
6 10	19 33.93	−37 53.6	2.466	3.360	9.6	21.7
6 20	19 26.63	−38 26.2	2.413	3.364	7.2	21.6
6 30	19 17.74	−38 49.3	2.385	3.367	5.3	21.5
7 10	19 8.13	−38 59.4	2.384	3.370	5.0	21.4
7 20	18 58.73	−38 55.1	2.411	3.373	6.6	21.5
7 30	18 50.48	−38 37.1	2.463	3.376	8.8	21.7
8 9	18 44.11	−38 7.8	2.540	3.379	11.1	21.9

358370 2006 XC_{19} 7 8.1 203.°93 1.°0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.38	−23 7.3	2.519	3.341	11.7	21.1
6 10	19 30.93	−23 47.0	2.431	3.339	9.1	21.0
6 20	19 24.60	−24 30.7	2.365	3.336	6.1	20.8
6 30	19 16.84	−25 15.5	2.326	3.333	2.9	20.5
7 10	19 8.34	−25 58.3	2.315	3.330	1.3	20.4
7 20	18 59.87	−26 36.5	2.333	3.326	4.4	20.6
7 30	18 52.25	−27 8.3	2.378	3.322	7.6	20.8
8 9	18 46.18	−27 33.3	2.449	3.318	10.5	21.0

157548 2005 UE_{42} 7 8.1 198.°35 0.°2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.88	−21 39.8	1.992	2.818	14.2	21.5
6 10	19 34.08	−21 55.5	1.906	2.816	11.1	21.2
6 20	19 26.92	−22 15.8	1.841	2.813	7.5	21.0
6 30	19 17.96	−22 38.3	1.802	2.810	3.4	20.8
7 10	19 8.08	−23 0.0	1.790	2.806	0.8	20.5
7 20	18 58.31	−23 18.8	1.806	2.802	5.1	20.8
7 30	18 49.69	−23 33.3	1.848	2.798	9.0	21.1
8 9	18 43.08	−23 43.3	1.914	2.793	12.5	21.3

27218 1999 DS_1 7 8.1 206.°03 1.°0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.44	−23 56.0	2.137	2.967	13.3	18.7
6 10	19 32.05	−24 18.5	2.054	2.966	10.4	18.5
6 20	19 25.49	−24 44.0	1.992	2.964	6.9	18.3
6 30	19 17.28	−25 9.7	1.955	2.963	3.2	18.0
7 10	19 8.26	−25 32.7	1.946	2.961	1.4	17.9
7 20	18 59.36	−25 50.9	1.965	2.960	4.9	18.1
7 30	18 51.53	−26 3.0	2.010	2.958	8.5	18.4
8 9	18 45.55	−26 9.4	2.079	2.956	11.8	18.6

33401 Radiya–Dixit 7 8.1 337.°37 2.°0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.18	−20 13.6	1.063	1.938	20.5	17.7
6 10	19 31.42	−19 42.1	0.989	1.926	16.3	17.4
6 20	19 26.09	−19 16.1	0.932	1.914	11.3	17.1
6 30	19 17.88	−18 55.3	0.895	1.903	5.6	16.7
7 10	19 8.12	−18 39.0	0.878	1.894	2.3	16.5
7 20	18 58.50	−18 26.6	0.884	1.885	7.6	16.8
7 30	18 50.78	−18 17.6	0.910	1.878	13.4	17.0
8 9	18 46.25	−18 11.5	0.954	1.872	18.5	17.3

404206 2013 CH_{159} 7 8.1 23.°94 3.°4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.92	−28 25.0	1.271	2.127	19.0	21.4
6 10	19 37.86	−28 49.4	1.202	2.127	15.0	21.2
6 20	19 30.16	−29 14.1	1.151	2.127	10.3	20.9
6 30	19 19.64	−29 33.1	1.122	2.128	5.5	20.6
7 10	19 7.73	−29 41.1	1.116	2.128	3.7	20.5
7 20	18 56.17	−29 35.2	1.135	2.129	7.8	20.8
7 30	18 46.67	−29 16.2	1.176	2.129	12.7	21.0
8 9	18 40.43	−28 47.6	1.238	2.130	17.1	21.3

36895 2000 SL_{171} 7 8.1 171.°49 4.°0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.72	−10 5.5	2.429	3.227	12.8	18.7
6 10	19 29.50	− 9 42.7	2.344	3.228	10.4	18.6
6 20	19 23.55	− 9 28.8	2.281	3.229	7.7	18.4
6 30	19 16.34	− 9 24.6	2.243	3.229	5.2	18.2
7 10	19 8.52	− 9 29.9	2.231	3.230	4.0	18.2
7 20	19 0.80	− 9 43.9	2.247	3.231	5.5	18.2
7 30	18 53.93	−10 5.0	2.290	3.231	8.1	18.4
8 9	18 48.51	−10 31.4	2.358	3.231	10.7	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367075	2006 PK_{21}		7 8.1	284.°87	0.°3/ 8.2	18
	h m	° ′			°	m
5 31	19 37.94	−19 57.2	1.564	2.405	16.8	21.1
6 10	19 34.38	−20 14.9	1.460	2.378	13.4	20.8
6 20	19 27.80	−20 41.5	1.376	2.350	9.2	20.5
6 30	19 18.66	−21 14.6	1.314	2.323	4.3	20.1
7 10	19 7.92	−21 50.8	1.278	2.294	1.0	19.8
7 20	18 56.87	−22 26.1	1.267	2.266	6.4	20.1
7 30	18 47.00	−22 57.5	1.281	2.237	11.6	20.3
8 9	18 39.63	−23 23.6	1.316	2.209	16.2	20.5
335548	2006 BP_{98}		7 8.1	275.°10	15.°8/ 3.3	18
5 31	20 14.43	−65 5.7	2.020	2.720	18.0	19.9
6 10	20 5.97	−66 27.4	1.946	2.701	17.0	19.8
6 20	19 50.59	−67 28.5	1.888	2.681	16.2	19.7
6 30	19 29.39	−67 55.0	1.848	2.661	15.8	19.6
7 10	19 5.51	−67 35.8	1.826	2.641	15.9	19.6
7 20	18 43.12	−66 27.7	1.823	2.620	16.6	19.6
7 30	18 25.74	−64 36.6	1.839	2.600	17.7	19.6
8 9	18 14.91	−62 14.7	1.873	2.579	19.1	19.7
433116	2012 TH_{143}		7 8.1	43.°24	7.°3/ 6.9	16
5 31	19 43.11	−39 31.4	1.640	2.471	16.6	20.6
6 10	19 38.20	−40 11.9	1.579	2.480	13.6	20.4
6 20	19 30.01	−40 42.7	1.538	2.490	10.4	20.3
6 30	19 19.43	−40 57.0	1.520	2.500	8.0	20.2
7 10	19 7.86	−40 49.6	1.526	2.510	7.5	20.2
7 20	18 56.85	−40 19.6	1.556	2.520	9.3	20.3
7 30	18 47.84	−39 30.0	1.610	2.531	12.1	20.5
8 9	18 41.80	−38 26.6	1.686	2.542	15.1	20.7
514680	2005 WL_{83}		7 8.1	248.°54	3.°3/ 8.9	18
5 31	19 34.14	−13 3.2	2.440	3.246	12.6	21.5
6 10	19 29.88	−12 34.9	2.348	3.240	10.1	21.4
6 20	19 23.85	−12 13.2	2.279	3.234	7.3	21.2
6 30	19 16.52	−11 58.8	2.235	3.229	4.6	21.0
7 10	19 8.54	−11 51.6	2.218	3.223	3.3	20.9
7 20	19 0.64	−11 51.2	2.229	3.217	5.1	21.0
7 30	18 53.58	−11 56.8	2.267	3.210	7.9	21.2
8 9	18 47.98	−12 7.2	2.329	3.204	10.7	21.3
433660	2014 BL_{28}		7 8.1	103.°96	0.°9/ 8.3	17
5 31	19 38.25	−20 28.6	1.969	2.795	14.4	21.3
6 10	19 33.41	−20 14.8	1.894	2.804	11.2	21.1
6 20	19 26.35	−20 4.7	1.842	2.812	7.6	20.9
6 30	19 17.67	−19 57.2	1.814	2.820	3.6	20.7
7 10	19 8.29	−19 50.9	1.813	2.829	1.2	20.5
7 20	18 59.17	−19 45.1	1.839	2.837	4.9	20.8
7 30	18 51.28	−19 39.3	1.892	2.844	8.7	21.0
8 9	18 45.37	−19 33.7	1.969	2.852	12.1	21.3
283685	2002 QD_{124}		7 8.1	37.°03	0.°4/ 8.2	17
5 31	19 37.19	−22 6.1	1.664	2.506	15.9	20.7
6 10	19 33.02	−21 54.3	1.595	2.513	12.4	20.5
6 20	19 26.30	−21 45.7	1.546	2.520	8.4	20.2
6 30	19 17.71	−21 38.6	1.520	2.528	3.9	20.0
7 10	19 8.29	−21 31.6	1.520	2.536	0.9	19.8
7 20	18 59.20	−21 23.5	1.547	2.545	5.5	20.1
7 30	18 51.55	−21 14.2	1.598	2.554	9.7	20.4
8 9	18 46.17	−21 4.1	1.672	2.563	13.4	20.6
35642	1998 KF_{53}		7 8.1	46.°09	4.°3/ 9.8	18
5 31	19 34.73	− 9 41.0	1.574	2.398	17.5	17.5
6 10	19 31.14	− 9 53.6	1.509	2.410	14.1	17.3
6 20	19 25.08	−10 22.6	1.463	2.422	10.3	17.1
6 30	19 17.17	−11 7.5	1.439	2.435	6.4	16.9
7 10	19 8.41	−12 5.6	1.441	2.448	4.3	16.8
7 20	18 59.90	−13 12.6	1.468	2.461	6.4	17.0
7 30	18 52.73	−14 23.4	1.519	2.475	10.2	17.2
8 9	18 47.74	−15 33.6	1.594	2.489	13.7	17.5
499908	2011 GB_{51}		7 8.1	157.°70	2.°8/ 8.9	17
5 31	19 37.93	−14 35.2	2.001	2.815	14.6	22.5
6 10	19 33.16	−14 26.1	1.922	2.820	11.6	22.3
6 20	19 26.21	−14 25.2	1.863	2.825	8.2	22.1
6 30	19 17.65	−14 32.4	1.829	2.829	4.6	21.9
7 10	19 8.31	−14 46.3	1.822	2.833	2.8	21.8
7 20	18 59.14	−15 5.3	1.843	2.836	5.4	21.9
7 30	18 51.09	−15 27.7	1.890	2.839	8.9	22.1
8 9	18 44.91	−15 51.7	1.961	2.842	12.2	22.4
250914	2005 WU_6		7 8.1	270.°40	0.°5/ 7.9	18
5 31	19 35.15	−23 1.3	2.400	3.225	12.2	21.1
6 10	19 30.92	−23 14.7	2.300	3.210	9.5	20.9
6 20	19 24.72	−23 31.0	2.223	3.194	6.4	20.6
6 30	19 16.99	−23 48.3	2.171	3.178	3.0	20.4
7 10	19 8.45	−24 4.3	2.147	3.163	0.9	20.2
7 20	18 59.90	−24 17.2	2.151	3.147	4.5	20.4
7 30	18 52.22	−24 26.1	2.182	3.130	7.9	20.6
8 9	18 46.15	−24 30.9	2.237	3.114	11.1	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
506602	2006 BE_{18}		7 8.1	202.°34	1.°7/ 7.8	18
	h m	° ′			°	m
5 31	19 42.31	−28 3.4	2.131	2.953	13.6	21.7
6 10	19 36.63	−28 0.1	2.043	2.950	10.7	21.5
6 20	19 28.57	−27 55.0	1.977	2.946	7.3	21.3
6 30	19 18.73	−27 45.2	1.936	2.941	3.6	21.0
7 10	19 8.06	−27 28.7	1.923	2.936	2.0	20.9
7 20	18 57.60	−27 4.9	1.938	2.931	5.2	21.1
7 30	18 48.39	−26 34.6	1.981	2.925	8.9	21.3
8 9	18 41.26	−25 59.9	2.048	2.919	12.2	21.5
42843	1999 RV_{11}		7 8.1	259.°31	11.°0/ 5.9	18 R
5 31	19 57.16	−49 38.1	1.875	2.656	16.6	18.9
6 10	19 50.11	−50 34.7	1.782	2.634	14.6	18.7
6 20	19 38.71	−51 17.6	1.707	2.611	12.7	18.5
6 30	19 23.74	−51 35.8	1.655	2.587	11.3	18.4
7 10	19 6.88	−51 20.4	1.626	2.562	11.2	18.3
7 20	18 50.33	−50 28.2	1.621	2.537	12.5	18.3
7 30	18 36.26	−49 2.6	1.640	2.511	14.8	18.4
8 9	18 26.12	−47 12.9	1.680	2.484	17.4	18.5
421502	2014 OD_{74}		7 8.1	335.°41	3.°9/ 9.8	18
5 31	19 31.81	− 9 37.8	2.112	2.921	14.1	20.6
6 10	19 28.41	− 9 42.3	2.024	2.915	11.5	20.4
6 20	19 23.06	− 9 59.3	1.956	2.910	8.5	20.2
6 30	19 16.23	−10 28.9	1.913	2.905	5.5	20.0
7 10	19 8.64	−11 9.8	1.896	2.900	3.9	19.9
7 20	19 1.09	−11 59.7	1.906	2.895	5.6	20.0
7 30	18 54.44	−12 55.3	1.941	2.891	8.7	20.1
8 9	18 49.40	−13 53.4	2.001	2.887	11.8	20.3
93051	2000 SP_8		7 8.1	237.°90	3.°5/ 7.2	18
5 31	19 40.14	−29 59.1	1.936	2.768	14.4	20.3
6 10	19 35.43	−30 33.4	1.849	2.760	11.4	20.0
6 20	19 28.05	−31 7.2	1.783	2.752	8.0	19.8
6 30	19 18.61	−31 35.9	1.742	2.743	4.6	19.6
7 10	19 8.09	−31 55.1	1.727	2.734	3.7	19.5
7 20	18 57.65	−32 2.1	1.740	2.725	6.5	19.7
7 30	18 48.51	−31 56.6	1.777	2.716	10.1	19.9
8 9	18 41.64	−31 40.6	1.838	2.706	13.5	20.1
304442	2006 TN_{121}		7 8.1	241.°62	1.°3/ 7.7	18
5 31	19 36.85	−25 49.4	2.517	3.339	11.8	21.8
6 10	19 32.16	−26 5.9	2.419	3.326	9.2	21.6
6 20	19 25.50	−26 23.6	2.344	3.314	6.2	21.4
6 30	19 17.34	−26 39.9	2.294	3.301	3.0	21.2
7 10	19 8.39	−26 52.5	2.273	3.287	1.6	21.1
7 20	18 59.47	−26 59.6	2.281	3.273	4.6	21.3
7 30	18 51.44	−27 0.8	2.316	3.259	7.8	21.4
8 9	18 45.01	−26 56.4	2.375	3.245	10.8	21.6
264830	2002 QZ_7		7 8.1	329.°51	2.°8/ 7.3	17
5 31	19 29.37	−23 53.7	1.083	1.967	19.6	19.9
6 10	19 28.82	−24 41.9	0.998	1.940	15.6	19.6
6 20	19 24.72	−25 41.1	0.929	1.915	10.7	19.2
6 30	19 17.49	−26 46.4	0.881	1.890	5.3	18.8
7 10	19 8.29	−27 50.1	0.853	1.867	3.3	18.6
7 20	18 58.82	−28 44.6	0.847	1.846	8.6	18.9
7 30	18 51.03	−29 24.5	0.861	1.826	14.4	19.1
8 9	18 46.56	−29 48.6	0.893	1.808	19.7	19.3
366658	2003 SV_{335}		7 8.1	219.°08	2.°2/ 7.4	17
5 31	19 39.98	−24 29.5	1.624	2.465	16.3	21.2
6 10	19 35.69	−25 17.9	1.543	2.461	12.8	21.0
6 20	19 28.45	−26 12.0	1.483	2.457	8.7	20.7
6 30	19 18.88	−27 6.9	1.446	2.453	4.3	20.4
7 10	19 8.03	−27 56.9	1.435	2.448	2.5	20.3
7 20	18 57.25	−28 37.4	1.450	2.444	6.6	20.5
7 30	18 47.90	−29 6.1	1.491	2.438	11.0	20.8
8 9	18 41.08	−29 23.3	1.553	2.433	14.9	21.0
130175	2000 AL_{20}		7 8.1	195.°64	0.°2/ 8.1	18
5 31	19 34.60	−22 29.1	2.964	3.778	10.4	20.8
6 10	19 30.00	−22 39.2	2.872	3.776	8.0	20.6
6 20	19 23.82	−22 51.4	2.804	3.773	5.4	20.5
6 30	19 16.50	−23 4.4	2.763	3.770	2.5	20.3
7 10	19 8.63	−23 16.5	2.751	3.767	0.6	20.1
7 20	19 0.82	−23 26.5	2.768	3.763	3.6	20.3
7 30	18 53.76	−23 33.6	2.813	3.759	6.5	20.5
8 9	18 47.98	−23 37.9	2.884	3.755	9.0	20.7
442519	2011 WN_{87}		7 8.1	223.°38	0.°4/ 8.3	18
5 31	19 35.19	−20 19.9	2.570	3.387	11.7	22.8
6 10	19 30.73	−20 30.3	2.475	3.380	9.1	22.6
6 20	19 24.46	−20 44.8	2.404	3.373	6.2	22.4
6 30	19 16.85	−21 1.8	2.358	3.365	2.9	22.2
7 10	19 8.54	−21 19.6	2.341	3.357	0.7	22.0
7 20	19 0.28	−21 36.5	2.352	3.349	4.1	22.3
7 30	18 52.83	−21 51.5	2.391	3.340	7.3	22.4
8 9	18 46.86	−22 4.1	2.455	3.331	10.2	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
76247	2000 EM_{87}		7 8.1	230.°13	5.°8/ 6.2	18
	h m	° ′			°	m
5 31	19 41.71	−37 56.8	2.285	3.100	13.0	19.3
6 10	19 36.48	−38 46.9	2.199	3.092	10.6	19.1
6 20	19 28.68	−39 31.9	2.134	3.083	8.2	19.0
6 30	19 18.89	−40 6.2	2.095	3.074	6.2	18.8
7 10	19 8.07	−40 25.1	2.082	3.064	6.0	18.8
7 20	18 57.34	−40 26.2	2.096	3.054	7.7	18.9
7 30	18 47.87	−40 9.8	2.135	3.044	10.2	19.0
8 9	18 40.58	−39 39.1	2.198	3.034	12.8	19.2
418989	2009 KA_{16}		7 8.1	124.°86	1.°9/ 7.5	17
5 31	19 42.68	−23 45.5	1.736	2.566	15.8	21.4
6 10	19 37.34	−24 38.7	1.669	2.582	12.3	21.2
6 20	19 29.26	−25 36.9	1.624	2.596	8.3	21.0
6 30	19 19.13	−26 35.1	1.604	2.610	4.0	20.8
7 10	19 8.04	−27 27.7	1.610	2.624	2.2	20.7
7 20	18 57.20	−28 10.9	1.644	2.636	6.0	21.0
7 30	18 47.87	−28 42.6	1.704	2.649	10.0	21.2
8 9	18 40.96	−29 3.5	1.787	2.660	13.6	21.5
10704	1981 RQ_{1}		7 8.1	304.°48	1.°1/ 8.5	18 R
5 31	19 34.47	−18 37.3	1.960	2.791	14.3	17.7
6 10	19 30.74	−18 42.5	1.870	2.782	11.2	17.5
6 20	19 24.78	−18 54.3	1.801	2.773	7.7	17.2
6 30	19 17.09	−19 11.3	1.757	2.764	3.8	17.0
7 10	19 8.49	−19 31.4	1.739	2.755	1.3	16.8
7 20	18 59.94	−19 52.7	1.748	2.746	5.0	17.0
7 30	18 52.45	−20 13.5	1.783	2.738	9.0	17.2
8 9	18 46.82	−20 32.4	1.841	2.729	12.5	17.5
161327	2003 QS_{63}		7 8.1	323.°98	9.°9/11.2	18
5 31	19 29.65	− 0 49.6	1.461	2.268	19.4	19.0
6 10	19 27.77	− 0 11.2	1.365	2.241	16.9	18.7
6 20	19 23.27	+ 0 5.6	1.286	2.215	14.0	18.5
6 30	19 16.58	− 0 4.8	1.226	2.190	11.3	18.2
7 10	19 8.57	− 0 45.1	1.188	2.166	10.0	18.1
7 20	19 0.35	− 1 54.7	1.171	2.142	10.9	18.1
7 30	18 53.20	− 3 29.0	1.177	2.120	13.7	18.2
8 9	18 48.27	− 5 20.0	1.203	2.098	17.2	18.3
288508	2004 FB_{106}		7 8.1	200.°13	1.°1/ 8.5	17
5 31	19 38.18	−17 28.5	1.762	2.591	15.7	21.2
6 10	19 33.85	−17 50.8	1.679	2.589	12.4	20.9
6 20	19 26.98	−18 22.6	1.617	2.587	8.5	20.7
6 30	19 18.14	−19 1.6	1.579	2.585	4.1	20.4
7 10	19 8.26	−19 44.7	1.567	2.582	1.3	20.2
7 20	18 58.45	−20 28.1	1.582	2.579	5.5	20.5
7 30	18 49.88	−21 9.2	1.622	2.576	9.8	20.7
8 9	18 43.46	−21 45.9	1.686	2.573	13.6	21.0
229506	2005 WO_{64}		7 8.2	149.°56	0.°3/ 8.0	17
5 31	19 38.96	−21 22.6	2.192	3.012	13.3	21.6
6 10	19 33.87	−21 48.2	2.114	3.021	10.4	21.4
6 20	19 26.66	−22 18.4	2.059	3.029	6.9	21.2
6 30	19 17.88	−22 50.5	2.029	3.037	3.2	21.0
7 10	19 8.34	−23 21.7	2.028	3.044	0.8	20.8
7 20	18 58.97	−23 49.5	2.054	3.050	4.6	21.1
7 30	18 50.68	−24 12.5	2.108	3.056	8.2	21.3
8 9	18 44.23	−24 30.2	2.187	3.061	11.4	21.5
116459	2004 AA_{6}		7 8.2	77.°00	1.°5/ 8.5	17
5 31	19 39.48	−18 31.4	1.506	2.345	17.4	20.2
6 10	19 34.96	−18 29.7	1.445	2.360	13.7	20.0
6 20	19 27.68	−18 35.6	1.403	2.375	9.3	19.7
6 30	19 18.39	−18 47.5	1.384	2.391	4.5	19.5
7 10	19 8.24	−19 2.9	1.390	2.406	1.6	19.3
7 20	18 58.49	−19 19.4	1.422	2.421	5.9	19.6
7 30	18 50.35	−19 35.5	1.479	2.436	10.3	19.9
8 9	18 44.68	−19 50.1	1.558	2.451	14.1	20.2
374927	2006 YA_{17}		7 8.2	279.°12	0.°3/ 8.1	18
5 31	19 38.18	−21 16.7	1.678	2.516	16.0	21.4
6 10	19 34.35	−21 37.9	1.576	2.492	12.7	21.1
6 20	19 27.67	−22 6.3	1.494	2.468	8.6	20.8
6 30	19 18.62	−22 39.2	1.436	2.444	4.0	20.5
7 10	19 8.13	−23 12.9	1.404	2.420	1.0	20.2
7 20	18 57.43	−23 43.8	1.397	2.395	6.0	20.5
7 30	18 47.90	−24 9.3	1.416	2.370	10.9	20.7
8 9	18 40.71	−24 28.8	1.457	2.345	15.2	20.9
74067	1998 MH_{3}		7 8.2	245.°35	12.°6/ 9.0	18
5 31	19 37.85	+ 6 34.2	1.963	2.691	17.7	18.9
6 10	19 33.20	+ 8 41.2	1.887	2.688	15.9	18.8
6 20	19 26.34	+10 31.6	1.831	2.685	14.3	18.7
6 30	19 17.79	+11 58.6	1.796	2.682	13.1	18.6
7 10	19 8.36	+12 56.9	1.784	2.679	12.7	18.5
7 20	18 58.99	+13 24.4	1.794	2.676	13.2	18.6
7 30	18 50.66	+13 21.8	1.825	2.673	14.5	18.7
8 9	18 44.16	+12 53.6	1.876	2.670	16.2	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
70330	1999 RS_{165}		7 8.2	189.°74	1.°0/ 8.4	18
	h m	° ′			°	m
5 31	19 40.39	−18 53.8	1.960	2.780	14.7	19.8
6 10	19 35.28	−19 0.6	1.874	2.780	11.6	19.6
6 20	19 27.79	−19 13.6	1.810	2.778	7.9	19.4
6 30	19 18.46	−19 31.1	1.770	2.776	3.8	19.1
7 10	19 8.21	−19 50.7	1.758	2.773	1.2	18.9
7 20	18 58.07	−20 10.3	1.773	2.770	5.1	19.2
7 30	18 49.10	−20 28.4	1.815	2.766	9.1	19.4
8 9	18 42.16	−20 44.3	1.881	2.761	12.7	19.6
125035	2001 TH_{194}		7 8.2	346.°04	3.°1/ 7.9	18
5 31	19 30.24	−28 57.8	0.878	1.775	21.8	17.9
6 10	19 30.02	−28 49.2	0.812	1.761	17.4	17.6
6 20	19 25.65	−28 36.6	0.761	1.748	12.0	17.2
6 30	19 17.87	−28 15.2	0.728	1.737	6.2	16.9
7 10	19 8.33	−27 41.3	0.714	1.728	3.4	16.7
7 20	18 59.07	−26 54.3	0.719	1.721	8.7	17.0
7 30	18 52.18	−25 57.6	0.744	1.717	14.7	17.3
8 9	18 49.08	−24 56.3	0.785	1.714	20.1	17.5
64396	2001 UY_{153}		7 8.2	135.°43	1.°3/ 8.5	18
5 31	19 38.17	−18 45.0	1.807	2.636	15.4	19.8
6 10	19 33.66	−18 43.2	1.730	2.640	12.1	19.6
6 20	19 26.72	−18 47.7	1.674	2.644	8.2	19.4
6 30	19 17.96	−18 57.0	1.642	2.648	4.0	19.2
7 10	19 8.34	−19 9.3	1.637	2.652	1.4	19.0
7 20	18 58.93	−19 22.6	1.658	2.656	5.3	19.3
7 30	18 50.79	−19 35.7	1.705	2.659	9.4	19.5
8 9	18 44.77	−19 47.6	1.776	2.662	13.0	19.7
200191	1999 RM_{110}		7 8.2	285.°76	4.°5/ 7.4	18
5 31	19 43.11	−34 3.1	1.892	2.719	14.8	19.6
6 10	19 38.09	−34 15.6	1.787	2.693	12.0	19.3
6 20	19 30.09	−34 22.9	1.703	2.666	8.7	19.1
6 30	19 19.68	−34 19.8	1.643	2.639	5.6	18.8
7 10	19 7.93	−34 2.1	1.609	2.612	4.6	18.7
7 20	18 56.17	−33 27.9	1.602	2.584	7.3	18.8
7 30	18 45.80	−32 38.7	1.620	2.557	11.0	19.0
8 9	18 37.95	−31 38.6	1.661	2.529	14.7	19.1
206034	2002 QJ_{5}		7 8.2	254.°63	3.°3/ 7.5	18
5 31	19 40.73	−31 47.3	2.106	2.932	13.6	20.7
6 10	19 35.65	−31 59.0	2.015	2.921	10.8	20.5
6 20	19 28.07	−32 7.3	1.945	2.911	7.6	20.3
6 30	19 18.61	−32 8.4	1.900	2.900	4.5	20.1
7 10	19 8.21	−31 59.1	1.883	2.889	3.5	20.0
7 20	18 57.95	−31 38.3	1.892	2.878	6.0	20.2
7 30	18 48.96	−31 6.8	1.928	2.867	9.4	20.3
8 9	18 42.10	−30 27.2	1.988	2.856	12.6	20.5
444665	2007 CR_{67}		7 8.2	72.°95	0.°1/ 8.2	15
5 31	19 34.87	−20 52.6	2.268	3.093	12.8	21.8
6 10	19 30.59	−21 6.4	2.194	3.104	9.9	21.6
6 20	19 24.40	−21 24.3	2.143	3.114	6.6	21.4
6 30	19 16.82	−21 44.5	2.118	3.125	3.0	21.2
7 10	19 8.63	−22 4.9	2.120	3.136	0.7	21.0
7 20	19 0.62	−22 23.6	2.150	3.147	4.3	21.3
7 30	18 53.62	−22 39.6	2.206	3.157	7.7	21.6
8 9	18 48.28	−22 52.2	2.287	3.168	10.7	21.8
516185	2016 RL_{1}		7 8.2	299.°20	0.°9/ 8.5	18
5 31	19 35.66	−17 14.3	1.829	2.660	15.2	20.8
6 10	19 32.22	−17 44.4	1.714	2.625	12.1	20.5
6 20	19 26.20	−18 26.0	1.620	2.591	8.4	20.2
6 30	19 17.97	−19 17.5	1.549	2.556	4.1	19.9
7 10	19 8.31	−20 15.6	1.505	2.521	1.2	19.6
7 20	18 58.27	−21 16.2	1.488	2.486	5.7	19.8
7 30	18 49.10	−22 15.2	1.496	2.451	10.3	20.0
8 9	18 41.94	−23 9.6	1.527	2.416	14.6	20.2
347923	2003 BA_{91}		7 8.2	72.°91	6.°6/12.0	18
5 31	19 34.78	+ 0 17.8	2.182	2.942	15.2	20.2
6 10	19 30.40	+ 0 9.2	2.116	2.962	12.9	20.0
6 20	19 24.20	− 0 17.8	2.069	2.982	10.3	19.9
6 30	19 16.72	− 1 3.8	2.046	3.003	8.0	19.8
7 10	19 8.66	− 2 7.6	2.049	3.023	6.7	19.8
7 20	19 0.82	− 3 25.9	2.078	3.043	7.2	19.8
7 30	18 53.97	− 4 54.1	2.134	3.063	9.2	20.0
8 9	18 48.70	− 6 27.0	2.215	3.083	11.5	20.2
189853	2003 FF_{102}		7 8.2	125.°07	8.°9/10.7	18
5 31	19 35.67	− 0 52.3	1.809	2.587	17.3	20.3
6 10	19 31.60	+ 0 5.8	1.734	2.590	14.8	20.1
6 20	19 25.29	+ 0 46.8	1.679	2.593	12.2	19.9
6 30	19 17.31	+ 1 7.0	1.645	2.596	10.0	19.8
7 10	19 8.52	+ 1 4.4	1.635	2.599	8.9	19.7
7 20	18 59.87	+ 0 39.7	1.648	2.602	9.7	19.8
7 30	18 52.35	− 0 4.4	1.686	2.605	11.8	19.9
8 9	18 46.74	− 1 2.7	1.746	2.607	14.4	20.1

253581 2003 SZ_{333} 7 8.2 208.°74 2.°7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.32	−28 5.9	1.608	2.448	16.5	21.0
6 10	19 37.51	−28 23.8	1.529	2.445	13.0	20.7
6 20	19 29.64	−28 41.7	1.470	2.443	8.9	20.5
6 30	19 19.42	−28 54.8	1.435	2.440	4.6	20.2
7 10	19 8.03	−28 59.2	1.424	2.437	3.0	20.1
7 20	18 56.87	−28 52.7	1.440	2.433	6.7	20.3
7 30	18 47.33	−28 35.6	1.481	2.429	11.0	20.6
8 9	18 40.46	−28 10.7	1.544	2.425	14.9	20.8

357796 2005 TE_{59} 7 8.2 194.°59 1.°9/ 7.4 18

5 31	19 36.18	−27 21.0	2.680	3.500	11.2	21.7
6 10	19 31.50	−27 48.7	2.592	3.499	8.7	21.5
6 20	19 24.98	−28 16.8	2.528	3.497	5.9	21.3
6 30	19 17.12	−28 42.7	2.490	3.495	3.1	21.1
7 10	19 8.57	−29 3.7	2.481	3.492	2.1	21.0
7 20	19 0.11	−29 18.1	2.500	3.489	4.5	21.2
7 30	18 52.52	−29 25.2	2.547	3.486	7.4	21.4
8 9	18 46.45	−29 25.5	2.618	3.483	10.1	21.5

447047 2004 RW_{140} 7 8.2 314.°89 6.°3/10.1 15

5 31	19 31.34	− 5 35.6	1.992	2.792	15.2	21.5
6 10	19 28.29	− 5 7.9	1.892	2.770	12.8	21.3
6 20	19 23.16	− 4 53.9	1.812	2.750	10.1	21.0
6 30	19 16.40	− 4 55.9	1.754	2.729	7.5	20.8
7 10	19 8.72	− 5 14.6	1.721	2.709	6.3	20.7
7 20	19 0.96	− 5 49.3	1.713	2.689	7.5	20.8
7 30	18 54.05	− 6 37.4	1.730	2.670	10.2	20.9
8 9	18 48.82	− 7 35.1	1.770	2.651	13.3	21.0

198059 2004 RM_{316} 7 8.2 23.°64 9.°4/10.0 18

5 31	19 35.18	− 2 45.6	1.621	2.417	18.3	19.8
6 10	19 31.45	− 1 28.0	1.550	2.419	15.6	19.6
6 20	19 25.31	− 0 26.4	1.498	2.422	12.8	19.5
6 30	19 17.35	+ 0 14.2	1.467	2.425	10.4	19.3
7 10	19 8.52	+ 0 31.2	1.459	2.428	9.4	19.3
7 20	18 59.88	+ 0 24.2	1.475	2.432	10.3	19.3
7 30	18 52.49	− 0 4.2	1.513	2.436	12.7	19.5
8 9	18 47.19	− 0 49.2	1.572	2.440	15.4	19.7

475782 2006 XN_2 7 8.2 104.°75 5.°6/ 9.2 17

5 31	19 37.79	− 7 13.4	2.497	3.273	13.1	20.9
6 10	19 32.44	− 6 5.1	2.424	3.288	10.8	20.8
6 20	19 25.43	− 5 5.5	2.373	3.303	8.4	20.7
6 30	19 17.24	− 4 16.6	2.349	3.317	6.4	20.5
7 10	19 8.57	− 3 40.1	2.352	3.331	5.6	20.5
7 20	19 0.12	− 3 16.6	2.383	3.345	6.6	20.6
7 30	18 52.60	− 3 5.5	2.440	3.358	8.7	20.8
8 9	18 46.57	− 3 5.2	2.522	3.371	10.9	20.9

160923 2001 XN_{135} 7 8.2 113.°69 0.°5/ 7.9 17

5 31	19 39.76	−21 37.9	1.959	2.785	14.5	20.7
6 10	19 34.67	−22 8.1	1.891	2.801	11.2	20.5
6 20	19 27.28	−22 43.3	1.845	2.817	7.5	20.3
6 30	19 18.19	−23 20.3	1.824	2.832	3.4	20.1
7 10	19 8.35	−23 55.5	1.831	2.846	1.0	19.9
7 20	18 58.76	−24 26.3	1.865	2.861	5.0	20.3
7 30	18 50.44	−24 51.0	1.926	2.874	8.8	20.5
8 9	18 44.17	−25 9.5	2.010	2.888	12.1	20.7

449034 2012 CO_{28} 7 8.2 239.°85 4.°0/ 7.1 18

5 31	19 41.38	−36 47.1	2.881	3.685	10.9	22.0
6 10	19 35.53	−37 0.4	2.782	3.671	8.8	21.8
6 20	19 27.69	−37 8.1	2.706	3.657	6.5	21.7
6 30	19 18.36	−37 6.8	2.656	3.642	4.6	21.5
7 10	19 8.31	−36 54.0	2.635	3.627	4.1	21.5
7 20	18 58.39	−36 28.8	2.642	3.611	5.7	21.6
7 30	18 49.48	−35 52.2	2.677	3.595	8.0	21.7
8 9	18 42.26	−35 6.4	2.737	3.579	10.3	21.8

177400 2004 BB_{107} 7 8.2 68.°68 1.°5/ 7.8 17

5 31	19 40.04	−24 32.5	1.464	2.312	17.4	20.0
6 10	19 35.68	−24 53.3	1.402	2.323	13.6	19.7
6 20	19 28.33	−25 17.4	1.359	2.335	9.1	19.5
6 30	19 18.77	−25 40.7	1.339	2.347	4.3	19.3
7 10	19 8.22	−25 59.1	1.345	2.360	1.9	19.1
7 20	18 58.08	−26 10.1	1.375	2.372	6.3	19.5
7 30	18 49.68	−26 13.1	1.430	2.384	10.8	19.7
8 9	18 43.94	−26 9.2	1.507	2.397	14.7	20.0

446493 2014 KJ_{53} 7 8.2 7.°05 3.°2/ 9.2 18

5 31	19 32.32	−13 17.5	1.942	2.767	14.6	20.8
6 10	19 28.94	−13 10.7	1.864	2.767	11.7	20.6
6 20	19 23.49	−13 13.8	1.806	2.769	8.3	20.4
6 30	19 16.49	−13 26.7	1.772	2.770	4.9	20.2
7 10	19 8.73	−13 48.1	1.763	2.772	3.2	20.1
7 20	19 1.11	−14 16.2	1.781	2.775	5.4	20.2
7 30	18 54.53	−14 48.7	1.825	2.778	8.9	20.4
8 9	18 49.72	−15 23.1	1.892	2.782	12.1	20.6

10334 Gibbon 7 8.2 296.°49 0.°5/ 8.3 18

	h m	° ′			°	m
5 31	19 35.42	−20 31.5	1.990	2.821	14.1	18.8
6 10	19 31.46	−20 35.6	1.901	2.814	11.0	18.6
6 20	19 25.25	−20 44.6	1.835	2.807	7.5	18.4
6 30	19 17.33	−20 56.7	1.793	2.800	3.5	18.1
7 10	19 8.53	−21 10.0	1.777	2.793	0.9	17.9
7 20	18 59.82	−21 22.6	1.789	2.787	4.9	18.2
7 30	18 52.18	−21 33.3	1.826	2.780	8.9	18.4
8 9	18 46.43	−21 41.7	1.887	2.773	12.4	18.6

294139 2007 TL_{301} 7 8.2 305.°23 4.°0/ 8.8 17

5 31	19 36.42	−15 21.5	1.321	2.168	18.9	21.0
6 10	19 33.32	−14 46.9	1.238	2.155	15.3	20.8
6 20	19 27.11	−14 21.4	1.173	2.143	10.9	20.5
6 30	19 18.38	−14 6.2	1.129	2.131	6.4	20.2
7 10	19 8.28	−14 1.5	1.108	2.119	4.1	20.0
7 20	18 58.21	−14 6.4	1.111	2.108	7.5	20.2
7 30	18 49.67	−14 19.2	1.137	2.097	12.3	20.4
8 9	18 43.82	−14 37.7	1.183	2.086	16.9	20.7

149128 2002 EX_{28} 7 8.2 204.°40 5.°1/ 6.1 18

5 31	19 41.11	−40 21.6	3.027	3.824	10.6	21.9
6 10	19 35.37	−41 2.0	2.940	3.819	8.7	21.7
6 20	19 27.61	−41 36.4	2.876	3.813	6.8	21.6
6 30	19 18.34	−42 0.6	2.839	3.806	5.4	21.5
7 10	19 8.33	−42 11.6	2.828	3.799	5.3	21.5
7 20	18 58.43	−42 7.8	2.846	3.792	6.5	21.6
7 30	18 49.52	−41 49.6	2.890	3.784	8.3	21.7
8 9	18 42.31	−41 19.4	2.959	3.776	10.3	21.8

6511 Furmanov 7 8.2 58.°08 1.°6/ 7.9 18

5 31	19 40.93	−26 56.3	1.585	2.428	16.5	16.2
6 10	19 36.10	−26 49.6	1.521	2.440	12.9	16.0
6 20	19 28.45	−26 42.1	1.477	2.452	8.7	15.8
6 30	19 18.77	−26 30.7	1.457	2.464	4.2	15.6
7 10	19 8.26	−26 13.4	1.462	2.477	1.9	15.4
7 20	18 58.23	−25 49.5	1.493	2.490	5.9	15.7
7 30	18 49.90	−25 20.4	1.550	2.503	10.2	16.0
8 9	18 44.11	−24 48.2	1.628	2.516	13.9	16.3

120170 2003 JO_5 7 8.2 334.°75 5.°6/ 9.8 18

5 31	19 32.50	− 7 37.7	2.053	2.856	14.7	19.9
6 10	19 28.98	− 7 4.3	1.968	2.851	12.2	19.7
6 20	19 23.48	− 6 42.6	1.903	2.846	9.3	19.5
6 30	19 16.49	− 6 34.3	1.861	2.841	6.8	19.3
7 10	19 8.75	− 6 39.9	1.845	2.837	5.6	19.2
7 20	19 1.09	− 6 58.6	1.855	2.833	6.9	19.3
7 30	18 54.37	− 7 28.4	1.889	2.829	9.5	19.5
8 9	18 49.30	− 8 6.4	1.947	2.826	12.4	19.6

15474 1999 BG_{11} 7 8.2 255.°44 0.°7/ 7.9 18 R

5 31	19 36.69	−23 36.0	2.171	2.999	13.2	19.0
6 10	19 32.33	−23 50.2	2.078	2.989	10.3	18.8
6 20	19 25.80	−24 7.2	2.007	2.979	6.9	18.6
6 30	19 17.59	−24 24.7	1.961	2.969	3.2	18.3
7 10	19 8.50	−24 40.1	1.943	2.959	1.1	18.2
7 20	18 59.46	−24 51.5	1.952	2.948	4.8	18.4
7 30	18 51.43	−24 58.0	1.988	2.937	8.5	18.6
8 9	18 45.21	−24 59.6	2.048	2.927	11.9	18.8

34870 2001 TS_{195} 7 8.2 144.°62 2.°3/ 9.2 18

5 31	19 34.49	−13 23.5	2.247	3.058	13.3	19.4
6 10	19 30.36	−13 42.1	2.163	3.060	10.6	19.2
6 20	19 24.32	−14 10.5	2.101	3.062	7.5	19.0
6 30	19 16.86	−14 47.7	2.064	3.064	4.2	18.8
7 10	19 8.67	−15 31.6	2.055	3.066	2.3	18.7
7 20	19 0.57	−16 19.5	2.074	3.068	4.7	18.8
7 30	18 53.38	−17 8.8	2.119	3.070	8.0	19.0
8 9	18 47.78	−17 56.9	2.190	3.072	11.0	19.2

364499 2007 EY_{53} 7 8.2 203.°90 8.°5/11.9 18

5 31	19 32.31	+ 9 37.3	3.149	3.831	12.4	21.6
6 10	19 28.10	+10 28.1	3.061	3.827	11.2	21.5
6 20	19 22.53	+11 4.5	2.993	3.822	10.0	21.4
6 30	19 15.96	+11 23.6	2.946	3.816	9.0	21.4
7 10	19 8.88	+11 24.0	2.923	3.811	8.5	21.3
7 20	19 1.83	+11 5.5	2.924	3.805	8.7	21.3
7 30	18 55.37	+10 29.6	2.950	3.798	9.6	21.4
8 9	18 50.00	+ 9 39.1	2.999	3.791	10.8	21.5

255275 2005 VD_{58} 7 8.2 157.°85 5.°9/10.0 18

5 31	19 33.52	− 3 32.1	2.707	3.472	12.5	20.8
6 10	19 29.18	− 2 48.1	2.624	3.476	10.5	20.7
6 20	19 23.30	− 2 14.7	2.563	3.479	8.4	20.5
6 30	19 16.32	− 1 53.8	2.526	3.482	6.6	20.4
7 10	19 8.82	− 1 46.1	2.515	3.485	5.9	20.4
7 20	19 1.42	− 1 51.6	2.532	3.488	6.6	20.4
7 30	18 54.76	− 2 8.9	2.574	3.490	8.4	20.5
8 9	18 49.38	− 2 35.8	2.642	3.493	10.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
522819	2016 NS_{81}		7	8.2	296.°45	0.°3/ 8.3 18
	h m	° ′			°	m
5 31	19 35.54	−19 37.1	1.688	2.528	15.8	21.5
6 10	19 32.18	−20 0.8	1.591	2.508	12.5	21.2
6 20	19 26.15	−20 33.3	1.514	2.489	8.5	21.0
6 30	19 17.92	−21 12.2	1.461	2.469	4.0	20.7
7 10	19 8.42	−21 54.1	1.434	2.450	0.9	20.4
7 20	18 58.78	−22 35.1	1.432	2.431	5.8	20.7
7 30	18 50.29	−23 12.3	1.455	2.412	10.4	20.9
8 9	18 44.03	−23 43.9	1.501	2.393	14.6	21.1
328521	2009 QA_{29}		7	8.2	322.°37	5.°2/ 6.7 17
5 31	19 33.77	−29 22.4	1.221	2.092	18.7	20.1
6 10	19 32.16	−30 17.8	1.133	2.067	15.0	19.8
6 20	19 26.93	−31 17.4	1.063	2.042	10.7	19.5
6 30	19 18.56	−32 14.1	1.014	2.018	6.5	19.1
7 10	19 8.24	−32 59.6	0.987	1.995	5.6	19.0
7 20	18 57.69	−33 27.0	0.983	1.973	9.4	19.2
7 30	18 48.85	−33 34.0	0.999	1.952	14.4	19.4
8 9	18 43.31	−33 22.6	1.033	1.932	19.1	19.6
131285	2001 FO_{104}		7	8.2	334.°46	1.°2/ 7.8 18
5 31	19 34.18	−22 34.7	1.574	2.425	16.2	19.2
6 10	19 31.22	−23 10.5	1.491	2.415	12.7	18.9
6 20	19 25.51	−23 53.3	1.429	2.406	8.6	18.7
6 30	19 17.61	−24 39.5	1.390	2.398	4.0	18.4
7 10	19 8.51	−25 24.3	1.375	2.390	1.6	18.2
7 20	18 59.45	−26 3.5	1.386	2.383	6.1	18.5
7 30	18 51.73	−26 34.5	1.421	2.377	10.7	18.7
8 9	18 46.38	−26 56.6	1.478	2.371	14.7	18.9
212661	2006 UL_{213}		7	8.2	7.°08	1.°5/ 7.7 18
5 31	19 36.04	−25 31.3	2.010	2.845	13.8	20.5
6 10	19 31.94	−25 49.9	1.930	2.845	10.8	20.3
6 20	19 25.56	−26 10.1	1.872	2.846	7.3	20.1
6 30	19 17.47	−26 29.1	1.839	2.846	3.5	19.8
7 10	19 8.57	−26 44.0	1.833	2.847	1.8	19.7
7 20	18 59.82	−26 52.8	1.853	2.848	5.2	19.9
7 30	18 52.25	−26 54.8	1.900	2.849	8.9	20.2
8 9	18 46.63	−26 50.8	1.970	2.850	12.2	20.4
202624	2006 HU_{80}		7	8.2	33.°92	1.°7/ 7.7 17
5 31	19 37.29	−25 11.0	1.795	2.635	15.0	20.9
6 10	19 33.18	−25 37.1	1.719	2.637	11.7	20.7
6 20	19 26.53	−26 5.9	1.664	2.639	7.9	20.5
6 30	19 17.96	−26 33.9	1.634	2.641	3.8	20.2
7 10	19 8.46	−26 57.3	1.630	2.644	2.0	20.1
7 20	18 59.14	−27 13.5	1.651	2.646	5.7	20.4
7 30	18 51.15	−27 21.6	1.699	2.649	9.7	20.6
8 9	18 45.37	−27 22.3	1.769	2.652	13.2	20.8
183416	2003 AD_5		7	8.2	272.°45	1.°6/ 7.6 18
5 31	19 38.43	−23 16.7	1.703	2.542	15.7	20.4
6 10	19 34.55	−24 1.3	1.607	2.524	12.4	20.2
6 20	19 27.82	−24 53.3	1.531	2.506	8.4	19.9
6 30	19 18.74	−25 48.4	1.480	2.487	4.0	19.6
7 10	19 8.25	−26 41.5	1.454	2.468	2.0	19.4
7 20	18 57.59	−27 27.7	1.455	2.449	6.3	19.6
7 30	18 48.13	−28 4.0	1.481	2.430	10.9	19.9
8 9	18 41.04	−28 29.7	1.529	2.411	15.0	20.1
328263	2008 GX_{18}		7	8.2	51.°50	2.°5/ 7.3 17
5 31	19 38.53	−24 46.4	1.531	2.378	16.8	20.4
6 10	19 34.65	−25 39.6	1.460	2.381	13.1	20.2
6 20	19 27.80	−26 38.3	1.408	2.384	8.9	19.9
6 30	19 18.64	−27 37.1	1.381	2.388	4.4	19.7
7 10	19 8.30	−28 30.0	1.378	2.391	2.8	19.6
7 20	18 58.14	−29 12.2	1.402	2.395	6.7	19.8
7 30	18 49.52	−29 41.6	1.449	2.399	11.1	20.1
8 9	18 43.51	−29 58.7	1.519	2.402	14.9	20.3
149384	2002 YY_{19}		7	8.2	244.°41	0.°3/ 8.1 18
5 31	19 39.27	−21 43.3	1.888	2.717	14.8	21.1
6 10	19 34.76	−22 2.8	1.792	2.704	11.7	20.8
6 20	19 27.68	−22 27.6	1.718	2.690	7.9	20.6
6 30	19 18.57	−22 55.3	1.668	2.675	3.7	20.3
7 10	19 8.31	−23 22.5	1.644	2.661	0.9	20.1
7 20	18 58.01	−23 46.4	1.648	2.645	5.4	20.3
7 30	18 48.84	−24 5.3	1.679	2.629	9.7	20.6
8 9	18 41.79	−24 18.8	1.732	2.613	13.5	20.8
128707	2004 RQ_{104}		7	8.2	272.°18	4.°8/ 6.8 18
5 31	19 39.24	−36 34.5	2.424	3.241	12.3	20.0
6 10	19 34.34	−37 3.7	2.333	3.230	9.9	19.8
6 20	19 27.14	−37 27.8	2.264	3.218	7.4	19.7
6 30	19 18.21	−37 42.6	2.221	3.206	5.3	19.5
7 10	19 8.42	−37 44.5	2.204	3.195	4.9	19.5
7 20	18 58.74	−37 31.9	2.214	3.183	6.6	19.5
7 30	18 50.19	−37 5.5	2.251	3.171	9.2	19.7
8 9	18 43.59	−36 27.9	2.311	3.159	11.8	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
93352	2000 SZ_{252}		7	8.2	295.°40	2.°2/ 8.8 18
	h m	° ′			°	m
5 31	19 35.27	−16 10.5	1.671	2.506	16.2	19.9
6 10	19 31.88	−16 12.8	1.577	2.489	12.9	19.6
6 20	19 25.88	−16 24.9	1.503	2.473	9.0	19.4
6 30	19 17.78	−16 46.1	1.452	2.457	4.8	19.1
7 10	19 8.50	−17 14.4	1.427	2.441	2.3	18.9
7 20	18 59.15	−17 47.2	1.427	2.425	5.9	19.1
7 30	18 50.95	−18 21.7	1.452	2.409	10.4	19.3
8 9	18 44.93	−18 55.6	1.499	2.393	14.5	19.5
206654	2003 YX_{27}		7	8.2	244.°96	1.°1/ 8.5 18
5 31	19 36.62	−18 57.5	2.091	2.915	13.8	20.8
6 10	19 32.29	−18 56.0	1.999	2.907	10.8	20.6
6 20	19 25.78	−18 59.8	1.929	2.899	7.4	20.4
6 30	19 17.62	−19 7.7	1.884	2.890	3.6	20.1
7 10	19 8.60	−19 18.1	1.866	2.882	1.3	19.9
7 20	18 59.64	−19 29.5	1.876	2.873	4.8	20.2
7 30	18 51.69	−19 40.7	1.912	2.864	8.6	20.4
8 9	18 45.56	−19 51.0	1.972	2.855	12.0	20.6
93737	2000 VP_{50}		7	8.2	168.°28	4.°0/ 6.6 18
5 31	19 40.78	−31 4.7	2.174	2.998	13.3	19.4
6 10	19 35.68	−32 5.1	2.096	3.001	10.5	19.3
6 20	19 28.14	−33 5.1	2.041	3.004	7.5	19.1
6 30	19 18.73	−33 59.4	2.011	3.007	4.8	18.9
7 10	19 8.36	−34 43.2	2.009	3.009	4.2	18.9
7 20	18 58.09	−35 13.2	2.034	3.011	6.5	19.0
7 30	18 49.00	−35 28.7	2.086	3.012	9.5	19.2
8 9	18 41.98	−35 31.2	2.161	3.013	12.4	19.4
427419	2000 NH_8		7	8.2	29.°10	2.°5/ 8.7 17
5 31	19 35.99	−17 29.8	1.336	2.187	18.5	20.4
6 10	19 32.64	−17 8.3	1.274	2.196	14.6	20.2
6 20	19 26.37	−16 55.3	1.231	2.205	10.1	19.9
6 30	19 17.94	−16 50.4	1.210	2.215	5.3	19.7
7 10	19 8.56	−16 52.5	1.212	2.226	2.6	19.5
7 20	18 59.56	−16 59.6	1.238	2.237	6.5	19.8
7 30	18 52.22	−17 10.2	1.288	2.249	11.0	20.1
8 9	18 47.47	−17 22.7	1.359	2.261	15.1	20.4
175841	1999 TR_{192}		7	8.2	321.°31	4.°8/ 7.4 18
5 31	19 38.46	−31 30.8	1.275	2.136	18.6	19.0
6 10	19 35.54	−31 53.7	1.194	2.121	14.9	18.7
6 20	19 28.96	−32 13.7	1.132	2.107	10.6	18.5
6 30	19 19.39	−32 24.6	1.091	2.093	6.4	18.2
7 10	19 8.20	−32 20.5	1.072	2.080	5.0	18.1
7 20	18 57.14	−31 58.6	1.076	2.068	8.6	18.2
7 30	18 48.02	−31 20.2	1.103	2.056	13.3	18.5
8 9	18 42.17	−30 30.1	1.149	2.045	17.8	18.7
488504	2000 SF_{186}		7	8.2	278.°23	2.°1/ 7.7 17
5 31	19 39.84	−25 40.1	1.465	2.314	17.3	21.8
6 10	19 36.09	−26 3.0	1.376	2.298	13.7	21.5
6 20	19 29.08	−26 29.5	1.305	2.282	9.4	21.2
6 30	19 19.40	−26 55.2	1.258	2.265	4.6	20.9
7 10	19 8.19	−27 15.1	1.235	2.249	2.5	20.7
7 20	18 56.93	−27 25.8	1.237	2.232	7.0	20.9
7 30	18 47.20	−27 26.0	1.262	2.216	12.0	21.2
8 9	18 40.28	−27 17.3	1.309	2.199	16.4	21.4
338036	2002 JN_{58}		7	8.2	32.°34	7.°9/ 5.4 17
5 31	19 39.89	−36 57.4	1.555	2.398	16.8	19.6
6 10	19 36.12	−38 30.8	1.496	2.406	13.7	19.4
6 20	19 29.01	−39 59.3	1.458	2.414	10.6	19.2
6 30	19 19.28	−41 13.9	1.442	2.422	8.3	19.1
7 10	19 8.25	−42 6.5	1.451	2.431	8.2	19.1
7 20	18 57.49	−42 33.1	1.483	2.441	10.3	19.3
7 30	18 48.58	−42 34.2	1.538	2.451	13.2	19.4
8 9	18 42.66	−42 14.4	1.613	2.461	16.0	19.7
353865	2012 VL_{104}		7	8.2	101.°23	1.°4/ 7.6 17
5 31	19 38.69	−25 10.5	2.513	3.331	11.9	21.3
6 10	19 33.34	−25 42.8	2.450	3.356	9.2	21.2
6 20	19 26.15	−26 16.3	2.410	3.380	6.1	21.0
6 30	19 17.67	−26 48.3	2.397	3.403	3.0	20.9
7 10	19 8.64	−27 16.0	2.413	3.426	1.6	20.8
7 20	18 59.87	−27 37.5	2.457	3.449	4.4	21.0
7 30	18 52.12	−27 52.2	2.529	3.471	7.3	21.3
8 9	18 46.03	−28 0.4	2.627	3.493	10.0	21.5
367902	2012 BK_{29}		7	8.2	76.°76	0.°8/ 8.3 17
5 31	19 40.89	−20 10.7	1.403	2.246	18.2	21.4
6 10	19 36.30	−20 11.7	1.344	2.262	14.2	21.2
6 20	19 28.73	−20 19.3	1.304	2.279	9.6	21.0
6 30	19 19.00	−20 31.2	1.287	2.295	4.5	20.7
7 10	19 8.34	−20 44.6	1.295	2.311	1.2	20.5
7 20	18 58.16	−20 57.0	1.328	2.327	6.1	20.9
7 30	18 49.74	−21 7.2	1.385	2.343	10.7	21.2
8 9	18 44.00	−21 14.8	1.464	2.358	14.8	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268027	2004 OJ_5		7	8.2	347.°03	2.°7/ 9.1 18
	h m	° ′			°	m
5 31	19 29.39	−14 23.0	1.189	2.054	19.5	19.7
6 10	19 28.11	−14 40.8	1.114	2.042	15.6	19.4
6 20	19 23.78	−15 15.8	1.056	2.032	11.0	19.1
6 30	19 16.95	−16 7.1	1.018	2.024	5.9	18.8
7 10	19 8.75	−17 10.9	1.002	2.016	2.8	18.6
7 20	19 0.58	−18 21.5	1.009	2.010	6.9	18.8
7 30	18 53.93	−19 32.7	1.038	2.006	12.1	19.1
8 9	18 50.02	−20 39.3	1.086	2.003	16.9	19.4
467842	2010 TR_{131}		7	8.2	324.°31	1.°5/ 7.8 17
5 31	19 33.57	−22 50.5	1.179	2.050	19.2	20.5
6 10	19 31.77	−23 22.4	1.097	2.032	15.2	20.2
6 20	19 26.50	−24 3.2	1.034	2.016	10.4	19.9
6 30	19 18.32	−24 48.8	0.990	2.000	4.9	19.5
7 10	19 8.43	−25 33.4	0.969	1.984	2.0	19.3
7 20	18 58.45	−26 11.4	0.970	1.970	7.5	19.6
7 30	18 50.15	−26 39.2	0.993	1.957	13.2	19.8
8 9	18 44.97	−26 56.2	1.035	1.945	18.2	20.1
301231	2009 BS_{19}		7	8.2	6.°97	1.°3/ 7.9 16
5 31	19 36.96	−25 12.4	1.777	2.618	15.1	21.4
6 10	19 32.95	−25 23.2	1.700	2.618	11.8	21.2
6 20	19 26.40	−25 35.9	1.644	2.619	7.9	20.9
6 30	19 17.94	−25 47.3	1.612	2.619	3.8	20.7
7 10	19 8.57	−25 54.7	1.605	2.620	1.6	20.5
7 20	18 59.41	−25 56.2	1.625	2.622	5.6	20.8
7 30	18 51.59	−25 51.5	1.671	2.623	9.6	21.0
8 9	18 45.97	−25 41.4	1.739	2.625	13.2	21.3
34226	2000 QM_{88}		7	8.2	320.°15	1.°1/ 8.3 18
5 31	19 34.47	−21 15.0	1.372	2.229	17.8	17.9
6 10	19 31.95	−20 54.3	1.278	2.205	14.2	17.6
6 20	19 26.34	−20 37.3	1.203	2.181	9.8	17.2
6 30	19 18.16	−20 23.0	1.149	2.157	4.7	16.9
7 10	19 8.48	−20 10.2	1.119	2.135	1.4	16.6
7 20	18 58.71	−19 57.7	1.112	2.113	6.7	16.9
7 30	18 50.36	−19 45.3	1.129	2.092	12.0	17.1
8 9	18 44.70	−19 33.5	1.166	2.072	16.8	17.3
423753	2006 DJ_6		7	8.2	87.°99	7.°5/ 6.9 17
5 31	19 47.81	−41 51.3	1.891	2.702	15.5	21.0
6 10	19 41.48	−42 38.2	1.837	2.722	12.8	20.8
6 20	19 32.07	−43 14.5	1.804	2.742	10.1	20.7
6 30	19 20.47	−43 33.1	1.794	2.762	8.0	20.6
7 10	19 8.05	−43 29.6	1.810	2.781	7.6	20.7
7 20	18 56.28	−43 3.2	1.851	2.800	9.1	20.8
7 30	18 46.48	−42 17.1	1.916	2.819	11.5	21.0
8 9	18 39.52	−41 16.8	2.004	2.838	13.9	21.2
94357	2001 QZ_{178}		7	8.2	341.°76	9.°7/ 5.4 18
5 31	19 34.57	−35 13.7	1.004	1.886	21.0	18.3
6 10	19 33.64	−36 50.3	0.940	1.874	17.2	18.0
6 20	19 28.36	−38 25.7	0.893	1.864	13.3	17.8
6 30	19 19.35	−39 47.5	0.864	1.855	10.2	17.6
7 10	19 8.22	−40 43.0	0.855	1.848	10.1	17.5
7 20	18 57.20	−41 4.5	0.867	1.841	13.1	17.7
7 30	18 48.65	−40 52.1	0.896	1.836	17.2	17.9
8 9	18 44.20	−40 12.3	0.942	1.833	21.3	18.1
268941	2007 DN_{33}		7	8.2	353.°69	4.°6/ 9.6 17
5 31	19 31.60	−11 23.4	1.313	2.160	19.0	20.1
6 10	19 29.43	−11 17.1	1.239	2.155	15.4	19.9
6 20	19 24.42	−11 27.2	1.184	2.151	11.3	19.6
6 30	19 17.17	−11 54.7	1.149	2.147	7.0	19.4
7 10	19 8.74	−12 37.8	1.137	2.145	4.6	19.2
7 20	19 0.43	−13 32.6	1.148	2.144	7.3	19.4
7 30	18 53.56	−14 34.3	1.182	2.144	11.6	19.6
8 9	18 49.19	−15 37.7	1.236	2.145	15.9	19.9
384540	2010 ED_{33}		7	8.2	268.°11	2.°3/ 8.9 17
5 31	19 35.75	−15 22.2	1.907	2.731	14.9	21.1
6 10	19 31.84	−15 23.2	1.816	2.721	11.9	20.9
6 20	19 25.62	−15 33.1	1.746	2.712	8.3	20.7
6 30	19 17.62	−15 51.4	1.700	2.702	4.5	20.4
7 10	19 8.65	−16 16.4	1.680	2.692	2.4	20.2
7 20	18 59.69	−16 45.9	1.686	2.682	5.4	20.4
7 30	18 51.79	−17 17.7	1.719	2.673	9.3	20.6
8 9	18 45.80	−17 49.6	1.775	2.663	12.9	20.8
179535	2002 CH_{213}		7	8.2	42.°92	0.°3/ 8.3 18
5 31	19 34.65	−20 19.1	2.018	2.850	13.9	20.3
6 10	19 30.71	−20 31.5	1.947	2.860	10.8	20.1
6 20	19 24.66	−20 49.0	1.897	2.869	7.3	19.9
6 30	19 17.07	−21 9.8	1.871	2.879	3.4	19.7
7 10	19 8.79	−21 31.4	1.873	2.889	0.8	19.5
7 20	19 0.71	−21 51.8	1.901	2.899	4.7	19.8
7 30	18 53.75	−22 9.6	1.956	2.910	8.4	20.1
8 9	18 48.61	−22 24.2	2.034	2.921	11.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
11249	Etna		7	8.2	347.°43	6.°4/ 6.0 18
	h m	° ′			°	m
5 31	19 36.26	−41 16.9	2.422	3.237	12.3	17.3
6 10	19 32.18	−42 0.9	2.342	3.230	10.3	17.2
6 20	19 25.79	−42 37.5	2.285	3.224	8.2	17.0
6 30	19 17.65	−43 2.0	2.251	3.218	6.7	16.9
7 10	19 8.67	−43 10.5	2.243	3.213	6.5	16.9
7 20	18 59.85	−43 1.4	2.261	3.208	7.8	17.0
7 30	18 52.23	−42 35.5	2.303	3.204	9.9	17.1
8 9	18 46.61	−41 55.6	2.368	3.200	12.1	17.2
474410	2002 VY_{143}		7	8.2	244.°29	5.°9/ 9.7 18
5 31	19 34.88	− 6 42.2	2.174	2.964	14.4	21.4
6 10	19 30.74	− 5 58.6	2.085	2.958	12.0	21.2
6 20	19 24.65	− 5 25.8	2.017	2.952	9.3	21.0
6 30	19 17.10	− 5 6.0	1.973	2.946	7.0	20.8
7 10	19 8.80	− 5 0.2	1.954	2.940	5.9	20.8
7 20	19 0.56	− 5 8.1	1.962	2.934	7.1	20.8
7 30	18 53.22	− 5 28.4	1.995	2.927	9.6	21.0
8 9	18 47.49	− 5 58.2	2.052	2.921	12.3	21.1
297053	2010 HG_{99}		7	8.2	346.°08	6.°3/10.5 18
5 31	19 31.90	− 5 25.8	1.834	2.638	16.2	20.3
6 10	19 28.80	− 5 6.9	1.752	2.633	13.5	20.1
6 20	19 23.55	− 5 3.8	1.688	2.628	10.5	19.9
6 30	19 16.65	− 5 18.5	1.647	2.624	7.7	19.7
7 10	19 8.91	− 5 50.8	1.630	2.621	6.3	19.6
7 20	19 1.22	− 6 38.8	1.639	2.618	7.5	19.7
7 30	18 54.56	− 7 38.9	1.672	2.616	10.3	19.9
8 9	18 49.72	− 8 46.3	1.728	2.614	13.3	20.0
253863	2004 AC_{11}		7	8.2	52.°71	3.°2/ 7.3 17
5 31	19 39.49	−26 8.0	1.349	2.204	18.2	19.6
6 10	19 35.62	−27 2.8	1.293	2.218	14.2	19.4
6 20	19 28.53	−28 1.4	1.256	2.233	9.6	19.2
6 30	19 19.01	−28 57.2	1.242	2.248	5.0	19.0
7 10	19 8.40	−29 43.7	1.252	2.264	3.5	18.9
7 20	18 58.21	−30 16.6	1.287	2.279	7.3	19.2
7 30	18 49.90	−30 34.7	1.345	2.295	11.7	19.5
8 9	18 44.47	−30 40.0	1.424	2.312	15.5	19.7
510958	2013 GF_{24}		7	8.2	142.°59	2.°2/ 8.9 18
5 31	19 34.42	−14 54.0	2.685	3.490	11.6	21.8
6 10	19 29.94	−14 42.9	2.603	3.497	9.2	21.6
6 20	19 23.87	−14 37.6	2.543	3.503	6.4	21.4
6 30	19 16.66	−14 37.9	2.510	3.509	3.7	21.3
7 10	19 8.93	−14 43.2	2.504	3.514	2.2	21.2
7 20	19 1.32	−14 52.4	2.527	3.520	4.2	21.3
7 30	18 54.51	−15 4.6	2.578	3.525	7.0	21.5
8 9	18 49.05	−15 18.6	2.654	3.529	9.6	21.7
70637	1999 TK_{230}		7	8.2	225.°06	5.°8/ 9.9 18
5 31	19 35.73	− 6 10.8	2.241	3.025	14.2	20.2
6 10	19 31.37	− 5 37.1	2.148	3.018	11.8	20.0
6 20	19 25.07	− 5 14.9	2.076	3.009	9.2	19.8
6 30	19 17.31	− 5 5.9	2.028	3.001	6.8	19.6
7 10	19 8.77	− 5 10.8	2.005	2.992	5.8	19.5
7 20	19 0.26	− 5 29.2	2.010	2.982	6.9	19.6
7 30	18 52.61	− 5 59.1	2.040	2.972	9.4	19.7
8 9	18 46.53	− 6 37.7	2.095	2.962	12.1	19.9
92072	1999 WO_{20}		7	8.2	150.°69	0.°3/ 8.3 18
5 31	19 34.49	−19 54.9	2.740	3.554	11.1	20.0
6 10	19 30.06	−20 13.2	2.656	3.560	8.6	19.9
6 20	19 24.00	−20 35.8	2.596	3.564	5.8	19.7
6 30	19 16.75	−21 1.0	2.563	3.569	2.7	19.5
7 10	19 8.92	−21 26.9	2.557	3.574	0.6	19.3
7 20	19 1.20	−21 51.8	2.581	3.578	3.8	19.6
7 30	18 54.26	−22 14.4	2.633	3.582	6.7	19.8
8 9	18 48.68	−22 34.0	2.710	3.585	9.4	20.0
38767	2000 RB_7		7	8.2	298.°10	2.°7/ 8.8 18
5 31	19 35.40	−15 55.9	1.650	2.485	16.3	18.9
6 10	19 32.10	−15 46.1	1.551	2.463	13.1	18.7
6 20	19 26.14	−15 45.2	1.472	2.441	9.3	18.4
6 30	19 18.01	−15 53.2	1.415	2.419	5.1	18.1
7 10	19 8.61	−16 9.0	1.384	2.397	2.7	17.9
7 20	18 59.07	−16 30.6	1.377	2.375	6.2	18.1
7 30	18 50.65	−16 55.8	1.396	2.353	10.7	18.3
8 9	18 44.44	−17 22.7	1.436	2.331	14.9	18.5
323398	2004 AR_{20}		7	8.2	62.°24	0.°3/ 8.1 17
5 31	19 39.74	−20 57.2	1.386	2.234	18.2	20.9
6 10	19 35.49	−21 27.0	1.332	2.253	14.1	20.7
6 20	19 28.24	−22 4.2	1.297	2.273	9.4	20.5
6 30	19 18.82	−22 44.8	1.284	2.293	4.3	20.2
7 10	19 8.49	−23 24.1	1.297	2.313	1.1	20.0
7 20	18 58.61	−23 58.1	1.334	2.333	6.1	20.4
7 30	18 50.51	−24 24.9	1.396	2.353	10.7	20.8
8 9	18 45.09	−24 44.3	1.480	2.373	14.7	21.1

335121 2004 TS_{266} 7 8.2 241.°02 2.°1/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.44	−16 36.2	2.060	2.879	14.1	21.7
6 10	19 32.99	−16 28.2	1.965	2.868	11.2	21.5
6 20	19 26.33	−16 26.9	1.891	2.856	7.8	21.2
6 30	19 17.95	−16 31.8	1.842	2.845	4.2	21.0
7 10	19 8.65	−16 41.6	1.819	2.833	2.1	20.8
7 20	18 59.37	−16 54.8	1.825	2.820	5.1	21.0
7 30	18 51.08	−17 10.2	1.856	2.807	8.9	21.2
8 9	18 44.62	−17 26.5	1.912	2.794	12.4	21.4

133378 2003 SD_{152} 7 8.2 347.°30 0.°9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.49	−20 25.1	1.177	2.044	19.5	19.4
6 10	19 32.30	−21 12.0	1.106	2.039	15.4	19.1
6 20	19 26.73	−22 11.5	1.053	2.034	10.4	18.8
6 30	19 18.39	−23 18.9	1.021	2.030	4.8	18.5
7 10	19 8.54	−24 27.4	1.011	2.027	1.5	18.3
7 20	18 58.77	−25 30.1	1.024	2.024	7.2	18.6
7 30	18 50.75	−26 22.1	1.060	2.023	12.6	18.9
8 9	18 45.77	−27 1.7	1.115	2.022	17.4	19.2

384573 2010 GQ_{171} 7 8.2 71.°06 3.°1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.23	− 8 41.5	1.845	2.647	16.1	20.4
6 10	19 33.59	− 9 41.5	1.777	2.666	12.9	20.2
6 20	19 26.68	−10 59.0	1.729	2.684	9.2	20.1
6 30	19 18.07	−12 31.5	1.707	2.703	5.4	19.9
7 10	19 8.66	−14 14.0	1.712	2.722	3.1	19.8
7 20	18 59.43	−16 0.3	1.745	2.740	5.4	19.9
7 30	18 51.40	−17 44.5	1.806	2.759	9.0	20.2
8 9	18 45.34	−19 21.8	1.893	2.777	12.4	20.4

467337 2002 PJ_{76} 7 8.2 327.°58 2.°8/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 30.36	−23 43.6	1.110	1.990	19.5	20.5
6 10	19 29.63	−24 36.5	1.023	1.964	15.5	20.2
6 20	19 25.36	−25 41.1	0.954	1.938	10.7	19.8
6 30	19 17.98	−26 52.5	0.905	1.914	5.3	19.4
7 10	19 8.61	−28 2.6	0.877	1.891	3.3	19.2
7 20	18 58.92	−29 3.4	0.871	1.869	8.5	19.4
7 30	18 50.87	−29 49.2	0.885	1.849	14.3	19.7
8 9	18 46.10	−30 18.5	0.917	1.830	19.6	19.9

261964 2006 PU_{25} 7 8.2 283.°94 1.°6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.87	−16 50.2	1.509	2.349	17.3	20.5
6 10	19 33.51	−17 5.5	1.417	2.333	13.8	20.2
6 20	19 27.25	−17 32.4	1.345	2.317	9.6	19.9
6 30	19 18.58	−18 9.4	1.295	2.301	4.8	19.6
7 10	19 8.52	−18 53.4	1.270	2.285	1.8	19.3
7 20	18 58.33	−19 40.3	1.270	2.269	6.2	19.6
7 30	18 49.42	−20 26.5	1.294	2.253	11.2	19.8
8 9	18 42.97	−21 9.1	1.340	2.237	15.7	20.0

164345 2005 CV_{15} 7 8.2 78.°70 1.°2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.84	−18 56.0	1.420	2.261	18.2	20.4
6 10	19 36.23	−18 57.6	1.362	2.278	14.2	20.2
6 20	19 28.69	−19 7.1	1.322	2.296	9.6	19.9
6 30	19 19.03	−19 22.4	1.306	2.313	4.6	19.7
7 10	19 8.48	−19 40.6	1.314	2.330	1.5	19.5
7 20	18 58.37	−19 59.0	1.348	2.347	6.0	19.9
7 30	18 50.00	−20 15.9	1.406	2.364	10.6	20.2
8 9	18 44.26	−20 30.5	1.486	2.380	14.6	20.5

243902 2001 EP_5 7 8.2 146.°86 4.°3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.97	− 5 42.8	2.830	3.604	11.8	20.8
6 10	19 28.75	− 5 41.4	2.746	3.610	9.7	20.6
6 20	19 23.06	− 5 50.9	2.685	3.616	7.5	20.5
6 30	19 16.32	− 6 11.8	2.648	3.622	5.4	20.3
7 10	19 9.06	− 6 43.3	2.639	3.628	4.3	20.3
7 20	19 1.90	− 7 24.0	2.657	3.633	5.2	20.4
7 30	18 55.42	− 8 11.7	2.704	3.638	7.2	20.5
8 9	18 50.17	− 9 3.7	2.776	3.643	9.5	20.6

136714 1995 UX_{13} 7 8.2 112.°95 4.°6/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.34	−31 12.5	1.589	2.430	16.6	20.2
6 10	19 37.66	−31 59.5	1.521	2.435	13.1	20.0
6 20	19 29.87	−32 45.2	1.472	2.441	9.3	19.8
6 30	19 19.68	−33 23.2	1.447	2.446	5.7	19.6
7 10	19 8.34	−33 47.6	1.447	2.452	4.8	19.6
7 20	18 57.30	−33 55.5	1.473	2.457	7.7	19.7
7 30	18 48.00	−33 47.3	1.523	2.462	11.5	20.0
8 9	18 41.47	−33 26.1	1.595	2.467	15.0	20.2

163817 2003 RP_5 7 8.2 294.°36 1.°2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.34	−21 51.4	1.792	2.624	15.3	19.6
6 10	19 34.88	−21 13.1	1.694	2.607	12.2	19.4
6 20	19 27.82	−20 35.2	1.618	2.590	8.3	19.1
6 30	19 18.72	−19 57.2	1.566	2.573	4.1	18.8
7 10	19 8.54	−19 19.0	1.541	2.556	1.4	18.6
7 20	18 58.42	−18 41.1	1.542	2.539	5.6	18.8
7 30	18 49.55	−18 4.7	1.569	2.522	10.0	19.0
8 9	18 42.89	−17 31.2	1.619	2.506	14.0	19.2

16463 Nayoro 7 8.2 233.°46 3.°5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.89	−11 35.2	2.361	3.156	13.2	18.7
6 10	19 33.08	−11 24.4	2.256	3.141	10.7	18.5
6 20	19 26.28	−11 22.4	2.173	3.124	7.9	18.3
6 30	19 17.93	−11 29.6	2.115	3.107	4.9	18.1
7 10	19 8.72	−11 45.4	2.084	3.089	3.5	18.0
7 20	18 59.44	−12 8.6	2.082	3.070	5.4	18.1
7 30	18 50.96	−12 37.4	2.108	3.051	8.5	18.2
8 9	18 44.04	−13 9.9	2.158	3.031	11.6	18.4

440312 2004 SE_{42} 7 8.2 265.°89 2.°0/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.42	−28 41.2	2.614	3.434	11.4	21.9
6 10	19 32.68	−28 52.9	2.509	3.415	9.0	21.7
6 20	19 25.98	−29 3.6	2.428	3.396	6.2	21.5
6 30	19 17.77	−29 10.7	2.373	3.376	3.3	21.2
7 10	19 8.76	−29 12.0	2.346	3.356	2.2	21.1
7 20	18 59.76	−29 6.2	2.347	3.336	4.7	21.3
7 30	18 51.63	−28 53.1	2.375	3.316	7.8	21.4
8 9	18 45.08	−28 33.7	2.429	3.296	10.7	21.6

300766 2007 VX_{244} 7 8.2 208.°42 0.°6/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.25	−23 18.7	2.297	3.121	12.7	21.3
6 10	19 32.63	−23 32.7	2.209	3.117	9.9	21.1
6 20	19 25.97	−23 49.5	2.143	3.113	6.7	20.9
6 30	19 17.76	−24 6.6	2.102	3.109	3.1	20.7
7 10	19 8.77	−24 22.0	2.090	3.105	1.0	20.5
7 20	18 59.88	−24 33.6	2.105	3.101	4.5	20.8
7 30	18 51.96	−24 40.8	2.148	3.096	8.1	21.0
8 9	18 45.77	−24 43.6	2.215	3.091	11.2	21.2

290246 2005 SU_{101} 7 8.2 54.°11 3.°9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.50	−11 58.9	2.167	2.976	13.8	20.8
6 10	19 30.40	−11 29.5	2.088	2.981	11.1	20.7
6 20	19 24.39	−11 8.5	2.031	2.985	8.1	20.5
6 30	19 17.00	−10 56.7	1.998	2.989	5.2	20.3
7 10	19 8.95	−10 54.1	1.991	2.994	3.9	20.2
7 20	19 1.07	−11 0.0	2.011	2.999	5.6	20.4
7 30	18 54.15	−11 13.0	2.058	3.003	8.5	20.5
8 9	18 48.86	−11 31.3	2.128	3.008	11.4	20.7

89959 2002 NT_7 7 8.2 249.°72 14.°0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 53.75	+13 57.4	1.800	2.457	21.2	20.7
6 10	19 46.78	+14 14.3	1.674	2.426	19.5	20.4
6 20	19 36.45	+14 0.2	1.562	2.392	17.5	20.2
6 30	19 23.07	+13 5.5	1.470	2.356	15.4	19.9
7 10	19 7.52	+11 23.5	1.402	2.317	14.1	19.8
7 20	18 51.12	+ 8 53.4	1.361	2.276	14.4	19.7
7 30	18 35.52	+ 5 42.1	1.348	2.232	16.5	19.7
8 9	18 22.22	+ 2 3.5	1.361	2.186	19.7	19.8

325081 2008 DB_{13} 7 8.2 34.°31 1.°7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.81	−26 2.4	1.143	2.010	20.0	20.4
6 10	19 35.36	−26 4.0	1.093	2.025	15.5	20.2
6 20	19 28.43	−26 6.7	1.061	2.042	10.4	19.9
6 30	19 18.97	−26 6.6	1.050	2.059	5.0	19.7
7 10	19 8.54	−26 0.3	1.062	2.077	2.1	19.6
7 20	18 58.79	−25 46.5	1.097	2.097	7.0	19.9
7 30	18 51.19	−25 26.3	1.155	2.116	12.0	20.3
8 9	18 46.71	−25 1.9	1.232	2.137	16.2	20.6

422975 2003 HF_{58} 7 8.2 43.°45 3.°5/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.37	−28 45.6	1.432	2.284	17.5	21.2
6 10	19 35.39	−29 18.1	1.374	2.297	13.7	21.0
6 20	19 28.30	−29 50.3	1.335	2.310	9.4	20.8
6 30	19 18.92	−30 16.7	1.320	2.324	5.1	20.6
7 10	19 8.55	−30 32.6	1.328	2.338	3.7	20.5
7 20	18 58.65	−30 35.6	1.361	2.353	7.1	20.8
7 30	18 50.57	−30 26.2	1.418	2.368	11.2	21.0
8 9	18 45.27	−30 7.0	1.497	2.383	14.9	21.3

418119 2007 YN_{35} 7 8.2 196.°40 1.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.11	−22 7.9	1.671	2.507	16.1	21.7
6 10	19 35.70	−22 47.6	1.590	2.506	12.6	21.5
6 20	19 28.49	−23 34.2	1.530	2.504	8.5	21.2
6 30	19 19.08	−24 23.8	1.494	2.502	4.0	20.9
7 10	19 8.50	−25 11.6	1.485	2.500	1.5	20.7
7 20	18 57.99	−25 53.2	1.501	2.497	5.9	21.0
7 30	18 48.85	−26 26.1	1.543	2.494	10.4	21.3
8 9	18 42.11	−26 50.1	1.608	2.491	14.3	21.5

87725 2000 SK_{46} 7 8.2 235.°11 3.°9/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.10	−13 33.5	2.059	2.866	14.5	19.5
6 10	19 34.23	−12 50.7	1.963	2.855	11.7	19.3
6 20	19 27.15	−12 14.1	1.888	2.844	8.5	19.0
6 30	19 18.36	−11 44.8	1.839	2.832	5.4	18.8
7 10	19 8.68	−11 23.7	1.816	2.820	4.0	18.7
7 20	18 59.03	−11 10.8	1.820	2.808	6.1	18.8
7 30	18 50.41	−11 5.8	1.852	2.795	9.5	19.0
8 9	18 43.61	−11 7.5	1.907	2.782	12.8	19.2

358423 2007 CF_{61} 7 8.2 70.°42 0.°9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.79	−21 3.0	2.297	3.118	12.8	20.3
6 10	19 32.12	−20 41.0	2.213	3.120	10.0	20.1
6 20	19 25.52	−20 21.1	2.152	3.122	6.8	19.9
6 30	19 17.52	−20 2.6	2.117	3.123	3.2	19.7
7 10	19 8.88	−19 45.0	2.110	3.125	1.0	19.6
7 20	19 0.43	−19 27.9	2.130	3.127	4.4	19.8
7 30	18 52.99	−19 11.4	2.178	3.129	7.8	20.0
8 9	18 47.22	−18 55.8	2.251	3.131	10.9	20.2

392982 2012 XS_{57} 7 8.2 212.°19 1.°6/ 7.7 17

5 31	19 37.39	−24 59.3	2.064	2.895	13.6	21.8
6 10	19 33.05	−25 31.7	1.981	2.893	10.7	21.6
6 20	19 26.42	−26 7.1	1.919	2.891	7.2	21.3
6 30	19 18.04	−26 42.1	1.883	2.890	3.5	21.1
7 10	19 8.76	−27 13.1	1.874	2.888	1.9	21.0
7 20	18 59.58	−27 37.4	1.892	2.885	5.2	21.2
7 30	18 51.50	−27 53.7	1.937	2.883	8.9	21.4
8 9	18 45.37	−28 2.4	2.005	2.881	12.2	21.6

385175 2013 WU_3 7 8.2 200.°90 5.°9/ 9.7 18

5 31	19 37.31	− 6 49.5	2.131	2.918	14.7	21.2
6 10	19 32.68	− 6 6.4	2.043	2.915	12.2	21.0
6 20	19 26.01	− 5 34.2	1.976	2.911	9.5	20.8
6 30	19 17.81	− 5 15.2	1.933	2.908	7.0	20.7
7 10	19 8.82	− 5 10.3	1.916	2.903	5.9	20.6
7 20	18 59.91	− 5 19.2	1.926	2.898	7.2	20.7
7 30	18 51.96	− 5 40.4	1.962	2.893	9.7	20.8
8 9	18 45.70	− 6 11.0	2.021	2.888	12.5	21.0

207381 2005 QW_7 7 8.2 325.°41 0.°3/ 8.1 18

5 31	19 31.55	−22 35.2	2.793	3.617	10.7	20.4
6 10	19 27.90	−22 48.0	2.699	3.609	8.3	20.2
6 20	19 22.66	−23 3.4	2.629	3.600	5.6	20.0
6 30	19 16.22	−23 19.9	2.584	3.592	2.6	19.8
7 10	19 9.19	−23 35.8	2.568	3.584	0.7	19.6
7 20	19 2.21	−23 49.6	2.579	3.576	3.8	19.9
7 30	18 55.94	−24 0.5	2.619	3.568	6.7	20.1
8 9	18 50.97	−24 8.2	2.683	3.561	9.4	20.2

476651 2008 SZ_{282} 7 8.2 307.°14 2.°8/ 8.9 18

5 31	19 34.56	−15 53.0	1.597	2.436	16.6	21.4
6 10	19 31.59	−15 41.9	1.497	2.411	13.4	21.2
6 20	19 25.91	−15 39.9	1.416	2.386	9.5	20.9
6 30	19 18.01	−15 47.3	1.358	2.362	5.2	20.6
7 10	19 8.77	−16 2.9	1.324	2.337	2.8	20.3
7 20	18 59.36	−16 24.8	1.316	2.313	6.3	20.5
7 30	18 51.09	−16 50.9	1.331	2.290	11.0	20.7
8 9	18 45.05	−17 18.8	1.368	2.267	15.3	20.9

98119 2000 SA_4 7 8.2 37.°70 4.°2/ 7.0 17

5 31	19 39.31	−27 27.5	1.227	2.089	19.2	18.8
6 10	19 36.02	−28 30.8	1.167	2.095	15.1	18.6
6 20	19 29.16	−29 37.9	1.125	2.102	10.4	18.3
6 30	19 19.51	−30 41.2	1.105	2.110	5.8	18.1
7 10	19 8.48	−31 32.8	1.108	2.117	4.6	18.0
7 20	18 57.78	−32 7.2	1.135	2.125	8.3	18.3
7 30	18 49.10	−32 23.2	1.184	2.134	12.9	18.6
8 9	18 43.63	−32 23.4	1.253	2.143	17.0	18.8

33285 1998 JR_2 7 8.2 45.°84 1.°2/ 7.7 18

5 31	19 35.55	−23 2.6	2.121	2.952	13.3	18.4
6 10	19 31.52	−23 47.1	2.042	2.955	10.4	18.2
6 20	19 25.34	−24 36.5	1.986	2.959	7.0	18.0
6 30	19 17.54	−25 27.2	1.955	2.962	3.3	17.7
7 10	19 8.91	−26 15.5	1.951	2.966	1.5	17.6
7 20	19 0.37	−26 58.0	1.975	2.969	5.0	17.9
7 30	18 52.87	−27 32.9	2.025	2.973	8.5	18.1
8 9	18 47.18	−27 59.4	2.099	2.976	11.7	18.3

350284 2012 TK_{285} 7 8.2 352.°58 6.°0/ 9.4 16

5 31	19 26.81	−12 26.1	1.103	1.973	20.4	19.6
6 10	19 26.20	−11 40.9	1.033	1.961	16.6	19.3
6 20	19 22.55	−11 9.5	0.979	1.951	12.3	19.0
6 30	19 16.47	−10 55.0	0.945	1.943	8.0	18.8
7 10	19 9.13	−10 58.7	0.931	1.938	6.0	18.7
7 20	19 1.92	−11 19.1	0.938	1.934	8.5	18.8
7 30	18 56.29	−11 53.0	0.965	1.932	13.0	19.0
8 9	18 53.37	−12 35.3	1.012	1.933	17.4	19.3

387047 2012 TD_{16} 7 8.2 284.°16 3.°7/ 9.2 16

5 31	19 35.55	−12 54.6	1.848	2.668	15.4	21.5
6 10	19 31.72	−12 36.8	1.761	2.662	12.4	21.3
6 20	19 25.59	−12 28.9	1.695	2.655	9.0	21.1
6 30	19 17.69	−12 31.3	1.652	2.649	5.5	20.9
7 10	19 8.88	−12 43.4	1.635	2.643	3.7	20.7
7 20	19 0.13	−13 3.8	1.644	2.636	6.0	20.9
7 30	18 52.47	−13 30.4	1.679	2.630	9.7	21.1
8 9	18 46.73	−14 0.8	1.736	2.624	13.2	21.3

374308 2005 SX_{175} 7 8.2 304.°57 3.°3/ 8.8 17

	h m	° ′			°	m
5 31	19 36.59	−15 46.0	1.551	2.388	17.1	21.1
6 10	19 33.03	−15 17.9	1.466	2.378	13.7	20.9
6 20	19 26.74	−14 57.8	1.400	2.368	9.7	20.6
6 30	19 18.31	−14 46.2	1.357	2.359	5.5	20.4
7 10	19 8.75	−14 42.9	1.338	2.350	3.4	20.2
7 20	18 59.25	−14 46.9	1.345	2.341	6.5	20.4
7 30	18 51.07	−14 56.8	1.375	2.332	10.9	20.6
8 9	18 45.22	−15 10.9	1.428	2.323	15.0	20.8

488481 1999 TZ_{59} 7 8.2 304.°77 8.°7/ 6.1 17

5 31	19 43.36	−41 53.8	1.709	2.534	16.3	21.1
6 10	19 38.97	−42 50.9	1.629	2.522	13.7	20.9
6 20	19 31.08	−43 39.1	1.569	2.510	11.0	20.7
6 30	19 20.41	−44 10.0	1.531	2.499	9.1	20.5
7 10	19 8.29	−44 16.6	1.516	2.488	8.9	20.5
7 20	18 56.38	−43 56.1	1.526	2.477	10.6	20.6
7 30	18 46.34	−43 10.4	1.558	2.466	13.3	20.7
8 9	18 39.39	−42 5.3	1.611	2.456	16.2	20.9

476602 2008 SZ_{96} 7 8.2 254.°48 1.°6/ 7.8 18

5 31	19 39.31	−25 49.7	2.027	2.856	13.9	22.2
6 10	19 34.73	−26 7.5	1.930	2.842	11.0	22.0
6 20	19 27.69	−26 27.1	1.855	2.827	7.5	21.7
6 30	19 18.71	−26 45.2	1.805	2.812	3.7	21.5
7 10	19 8.67	−26 58.7	1.782	2.796	1.9	21.3
7 20	18 58.62	−27 5.4	1.786	2.780	5.4	21.5
7 30	18 49.69	−27 4.6	1.817	2.764	9.3	21.7
8 9	18 42.79	−26 57.0	1.871	2.748	12.9	21.9

41058 1999 VC_{24} 7 8.2 254.°55 0.°6/ 8.4 18

5 31	19 35.28	−20 27.2	2.538	3.356	11.8	19.3
6 10	19 30.93	−20 24.5	2.440	3.344	9.2	19.1
6 20	19 24.77	−20 25.1	2.364	3.333	6.3	18.9
6 30	19 17.24	−20 27.8	2.315	3.321	3.0	18.6
7 10	19 9.00	−20 31.4	2.294	3.310	0.8	18.4
7 20	19 0.80	−20 34.9	2.301	3.298	4.1	18.7
7 30	18 53.42	−20 37.4	2.335	3.286	7.4	18.9
8 9	18 47.51	−20 38.8	2.395	3.273	10.4	19.0

175371 2005 SP_{165} 7 8.2 322.°54 1.°5/ 7.6 18

5 31	19 32.27	−26 39.9	2.852	3.677	10.4	20.5
6 10	19 28.48	−26 58.5	2.758	3.668	8.1	20.3
6 20	19 23.06	−27 17.7	2.689	3.659	5.5	20.1
6 30	19 16.43	−27 35.4	2.645	3.650	2.8	19.9
7 10	19 9.19	−27 49.5	2.629	3.642	1.6	19.8
7 20	19 2.00	−27 58.8	2.642	3.634	4.1	20.0
7 30	18 55.55	−28 2.5	2.682	3.626	6.9	20.2
8 9	18 50.44	−28 0.9	2.747	3.618	9.4	20.3

160061 1999 VG_{127} 7 8.2 7.°76 3.°7/ 7.2 17

5 31	19 36.40	−28 24.6	1.467	2.322	17.0	19.7
6 10	19 33.24	−29 9.1	1.398	2.323	13.3	19.4
6 20	19 27.04	−29 55.0	1.348	2.324	9.2	19.2
6 30	19 18.48	−30 36.8	1.322	2.326	5.2	19.0
7 10	19 8.74	−31 8.8	1.319	2.329	4.0	18.9
7 20	18 59.24	−31 27.3	1.342	2.332	7.3	19.1
7 30	18 51.38	−31 31.5	1.387	2.336	11.5	19.4
8 9	18 46.21	−31 23.5	1.454	2.341	15.3	19.6

469556 2003 UE_{108} 7 8.2 289.°10 7.°5/ 5.4 18

5 31	19 40.98	−38 30.2	1.854	2.682	15.1	21.3
6 10	19 36.82	−39 45.9	1.770	2.669	12.5	21.1
6 20	19 29.54	−40 57.4	1.708	2.657	9.8	20.9
6 30	19 19.72	−41 56.8	1.669	2.644	7.9	20.8
7 10	19 8.47	−42 37.0	1.655	2.632	7.8	20.7
7 20	18 57.19	−42 53.8	1.666	2.620	9.7	20.8
7 30	18 47.41	−42 47.1	1.701	2.607	12.5	21.0
8 9	18 40.31	−42 20.7	1.756	2.595	15.3	21.1

198423 2004 VK_{80} 7 8.2 255.°59 4.°1/ 9.4 18

5 31	19 36.44	−10 58.3	2.058	2.864	14.6	21.2
6 10	19 32.28	−10 43.0	1.958	2.848	11.9	21.0
6 20	19 25.94	−10 38.0	1.879	2.832	8.8	20.7
6 30	19 17.89	−10 44.1	1.823	2.815	5.7	20.5
7 10	19 8.88	−11 1.0	1.794	2.798	4.1	20.4
7 20	18 59.81	−11 27.3	1.792	2.781	6.0	20.5
7 30	18 51.64	−12 0.9	1.816	2.763	9.4	20.6
8 9	18 45.21	−12 39.2	1.864	2.745	12.7	20.8

440316 2004 TF_{26} 7 8.2 245.°08 2.°2/ 7.5 18

5 31	19 36.40	−28 25.0	2.535	3.359	11.6	21.8
6 10	19 31.91	−28 47.2	2.444	3.352	9.1	21.6
6 20	19 25.48	−29 9.1	2.376	3.345	6.3	21.4
6 30	19 17.59	−29 27.8	2.335	3.338	3.4	21.2
7 10	19 8.96	−29 40.9	2.320	3.331	2.3	21.1
7 20	19 0.41	−29 46.6	2.334	3.323	4.8	21.3
7 30	18 52.77	−29 44.5	2.376	3.316	7.8	21.4
8 9	18 46.75	−29 35.5	2.441	3.309	10.6	21.6

466323 2013 QD_{82} 7 8.2 334.°24 0.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 31.73	−21 21.1	1.098	1.975	19.9	20.8
6 10	19 30.47	−21 17.4	1.019	1.957	15.8	20.5
6 20	19 25.72	−21 20.7	0.958	1.941	10.8	20.1
6 30	19 18.09	−21 29.1	0.915	1.925	5.1	19.8
7 10	19 8.82	−21 39.7	0.895	1.911	1.1	19.4
7 20	18 59.53	−21 49.6	0.896	1.898	7.3	19.8
7 30	18 52.01	−21 56.8	0.917	1.887	13.1	20.1
8 9	18 47.61	−22 0.7	0.957	1.877	18.3	20.3

295569 2008 SF_{92} 7 8.2 183.°97 1.°6/ 8.8 18

5 31	19 37.80	−16 58.6	2.315	3.126	13.0	22.0
6 10	19 32.96	−16 58.2	2.227	3.126	10.3	21.8
6 20	19 26.16	−17 3.9	2.162	3.126	7.1	21.6
6 30	19 17.90	−17 14.7	2.122	3.126	3.7	21.4
7 10	19 8.90	−17 29.3	2.111	3.124	1.7	21.2
7 20	19 0.01	−17 46.0	2.127	3.123	4.5	21.4
7 30	18 52.05	−18 3.5	2.171	3.121	7.9	21.6
8 9	18 45.74	−18 20.8	2.240	3.118	11.0	21.8

67617 2000 ST_{168} 7 8.2 213.°81 0.°1/ 8.2 18

5 31	19 41.94	−22 15.5	1.782	2.611	15.6	19.5
6 10	19 36.96	−22 20.6	1.694	2.605	12.3	19.3
6 20	19 29.27	−22 29.8	1.626	2.598	8.3	19.0
6 30	19 19.47	−22 40.3	1.583	2.591	3.9	18.7
7 10	19 8.56	−22 49.6	1.567	2.583	0.9	18.5
7 20	18 57.73	−22 55.6	1.577	2.574	5.6	18.8
7 30	18 48.21	−22 57.5	1.614	2.565	10.0	19.0
8 9	18 41.00	−22 55.7	1.673	2.556	13.9	19.2

244645 2003 FL_{82} 7 8.2 289.°65 13.°0/13.3 17

5 31	19 34.32	+10 2.4	1.812	2.535	19.1	20.1
6 10	19 30.77	+11 10.5	1.737	2.532	17.3	19.9
6 20	19 24.96	+11 54.8	1.678	2.530	15.5	19.8
6 30	19 17.43	+12 9.4	1.638	2.527	13.9	19.7
7 10	19 9.00	+11 51.0	1.617	2.524	13.1	19.6
7 20	19 0.63	+10 59.8	1.618	2.521	13.3	19.6
7 30	18 53.32	+ 9 39.4	1.641	2.519	14.4	19.7
8 9	18 47.90	+ 7 56.9	1.684	2.516	16.2	19.8

38568 1999 VE_{184} 7 8.2 328.°33 2.°0/ 8.8 18 R

5 31	19 33.35	−16 29.1	2.035	2.862	14.0	18.8
6 10	19 29.85	−16 25.5	1.946	2.854	11.1	18.6
6 20	19 24.26	−16 29.2	1.879	2.846	7.7	18.4
6 30	19 17.08	−16 39.5	1.835	2.839	4.1	18.2
7 10	19 9.08	−16 55.2	1.818	2.832	2.0	18.0
7 20	19 1.14	−17 14.5	1.828	2.825	5.0	18.2
7 30	18 54.17	−17 35.8	1.864	2.819	8.6	18.4
8 9	18 48.95	−17 57.5	1.923	2.813	12.0	18.6

311563 2006 CY_{37} 7 8.2 219.°45 0.°2/ 8.2 17

5 31	19 43.11	−22 49.4	1.634	2.467	16.6	22.3
6 10	19 38.14	−22 47.8	1.547	2.460	13.1	22.1
6 20	19 30.21	−22 49.5	1.480	2.453	8.9	21.8
6 30	19 19.95	−22 51.9	1.437	2.445	4.1	21.5
7 10	19 8.46	−22 52.3	1.420	2.436	0.9	21.2
7 20	18 57.07	−22 49.0	1.429	2.426	6.0	21.6
7 30	18 47.15	−22 41.6	1.463	2.416	10.7	21.8
8 9	18 39.76	−22 31.1	1.521	2.406	14.8	22.0

437240 2012 XM_{23} 7 8.2 327.°30 2.°0/ 7.7 18

5 31	19 34.75	−24 54.3	1.550	2.403	16.3	20.8
6 10	19 31.89	−25 26.3	1.464	2.389	12.9	20.6
6 20	19 26.17	−26 3.0	1.398	2.376	8.8	20.3
6 30	19 18.14	−26 40.4	1.355	2.363	4.3	20.0
7 10	19 8.84	−27 13.8	1.337	2.351	2.3	19.8
7 20	18 59.53	−27 39.4	1.344	2.340	6.5	20.1
7 30	18 51.59	−27 55.2	1.374	2.329	11.0	20.3
8 9	18 46.12	−28 1.5	1.426	2.319	15.1	20.5

387780 2003 UR_{93} 7 8.2 293.°00 8.°4/10.1 17

5 31	19 34.46	− 2 44.9	1.861	2.647	16.6	20.9
6 10	19 30.84	− 1 45.1	1.773	2.637	14.2	20.8
6 20	19 25.02	− 0 59.7	1.704	2.626	11.6	20.6
6 30	19 17.47	− 0 32.5	1.658	2.616	9.4	20.4
7 10	19 9.00	− 0 25.9	1.635	2.606	8.4	20.3
7 20	19 0.54	− 0 40.1	1.636	2.596	9.3	20.4
7 30	18 53.08	− 1 13.1	1.662	2.586	11.6	20.5
8 9	18 47.46	− 2 0.8	1.709	2.576	14.4	20.6

99389 2002 AN 7 8.2 291.°26 0.°8/ 8.1 18

5 31	19 39.03	−23 32.4	1.355	2.209	18.2	19.0
6 10	19 35.75	−23 37.4	1.264	2.189	14.5	18.7
6 20	19 29.11	−23 46.7	1.191	2.169	9.9	18.4
6 30	19 19.64	−23 57.2	1.140	2.148	4.7	18.0
7 10	19 8.51	−24 5.2	1.112	2.128	1.3	17.8
7 20	18 57.26	−24 7.9	1.109	2.108	6.9	18.1
7 30	18 47.56	−24 4.2	1.129	2.089	12.4	18.3
8 9	18 40.77	−23 55.1	1.169	2.069	17.3	18.5

448625 2010 UE_{91} 7 8.2 283.°79 3.°4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.04	−13 2.2	2.345	3.153	12.9	21.2
6 10	19 30.05	−12 36.5	2.251	3.145	10.4	21.0
6 20	19 24.23	−12 17.8	2.180	3.136	7.6	20.8
6 30	19 17.02	−12 6.7	2.133	3.127	4.7	20.6
7 10	19 9.12	−12 3.3	2.113	3.119	3.4	20.5
7 20	19 1.27	−12 6.9	2.121	3.110	5.2	20.6
7 30	18 54.25	−12 16.5	2.155	3.101	8.2	20.8
8 9	18 48.74	−12 30.8	2.214	3.093	11.1	21.0

444644 2006 YZ_{31} 7 8.2 155.°47 1.°9/ 7.8 18

5 31	19 37.86	−28 16.1	2.400	3.223	12.2	21.2
6 10	19 33.04	−28 23.4	2.317	3.225	9.5	21.0
6 20	19 26.20	−28 29.5	2.257	3.226	6.5	20.8
6 30	19 17.91	−28 31.9	2.223	3.228	3.4	20.6
7 10	19 8.94	−28 28.7	2.217	3.229	2.1	20.5
7 20	19 0.16	−28 18.6	2.239	3.230	4.7	20.7
7 30	18 52.42	−28 2.1	2.288	3.232	7.9	20.9
8 9	18 46.42	−27 40.4	2.361	3.233	10.8	21.1

372377 2009 PN_4 7 8.2 298.°77 6.°8/ 9.6 18

5 31	19 35.20	− 8 13.4	1.532	2.352	18.1	20.6
6 10	19 32.28	− 7 37.8	1.425	2.320	15.2	20.3
6 20	19 26.55	− 7 16.1	1.337	2.288	11.7	20.0
6 30	19 18.43	− 7 11.6	1.270	2.256	8.4	19.8
7 10	19 8.77	− 7 26.3	1.227	2.224	6.8	19.6
7 20	18 58.74	− 7 59.6	1.207	2.192	8.7	19.6
7 30	18 49.73	− 8 49.0	1.210	2.160	12.7	19.7
8 9	18 42.97	− 9 49.8	1.234	2.128	17.0	19.9

441808 2009 HV_{39} 7 8.2 77.°38 0.°5/ 8.0 17

5 31	19 36.12	−20 37.4	2.123	2.949	13.5	21.3
6 10	19 31.89	−21 22.3	2.049	2.959	10.5	21.1
6 20	19 25.55	−22 13.6	1.997	2.969	7.0	20.9
6 30	19 17.66	−23 8.0	1.971	2.979	3.2	20.7
7 10	19 8.99	−24 1.7	1.973	2.989	0.9	20.5
7 20	19 0.46	−24 51.3	2.002	2.998	4.7	20.8
7 30	18 52.97	−25 34.6	2.059	3.008	8.3	21.0
8 9	18 47.27	−26 10.3	2.139	3.018	11.4	21.3

476201 2007 UD_{58} 7 8.3 316.°86 1.°8/ 8.6 16

5 31	19 33.98	−18 27.5	1.584	2.429	16.4	22.1
6 10	19 31.20	−18 15.2	1.485	2.404	13.1	21.8
6 20	19 25.69	−18 9.5	1.405	2.379	9.1	21.5
6 30	19 17.95	−18 10.1	1.348	2.355	4.7	21.2
7 10	19 8.90	−18 15.6	1.316	2.331	2.0	21.0
7 20	18 59.71	−18 24.4	1.308	2.307	6.1	21.2
7 30	18 51.70	−18 35.1	1.324	2.285	10.9	21.4
8 9	18 45.96	−18 46.3	1.362	2.263	15.2	21.6

38040 1998 RW_{49} 7 8.3 344.°51 8.°7/12.0 18

5 31	19 30.89	+ 1 52.4	1.984	2.751	16.3	18.0
6 10	19 27.91	+ 2 21.1	1.900	2.745	14.2	17.8
6 20	19 22.96	+ 2 30.6	1.834	2.739	11.9	17.6
6 30	19 16.50	+ 2 17.9	1.790	2.734	9.8	17.5
7 10	19 9.25	+ 1 42.0	1.769	2.729	8.7	17.4
7 20	19 2.04	+ 0 44.3	1.771	2.724	9.2	17.4
7 30	18 55.75	− 0 31.4	1.799	2.721	11.0	17.5
8 9	18 51.09	− 1 59.5	1.848	2.717	13.4	17.7

233367 2006 DX_{144} 7 8.3 201.°63 1.°4/ 7.8 17

5 31	19 39.74	−25 20.0	2.171	2.995	13.3	21.6
6 10	19 34.79	−25 41.2	2.083	2.992	10.4	21.4
6 20	19 27.57	−26 4.2	2.018	2.988	7.0	21.2
6 30	19 18.63	−26 26.0	1.977	2.984	3.4	21.0
7 10	19 8.80	−26 43.7	1.965	2.979	1.7	20.9
7 20	18 59.06	−26 55.2	1.980	2.974	5.0	21.1
7 30	18 50.42	−26 59.6	2.023	2.968	8.6	21.3
8 9	18 43.67	−26 57.8	2.089	2.962	11.9	21.5

56853 2000 QQ_{67} 7 8.3 296.°09 6.°1/ 6.1 18

5 31	19 39.75	−37 37.0	2.127	2.950	13.6	19.3
6 10	19 35.23	−38 32.8	2.048	2.946	11.1	19.1
6 20	19 28.10	−39 23.7	1.990	2.941	8.5	18.9
6 30	19 18.94	−40 3.8	1.957	2.937	6.5	18.8
7 10	19 8.74	−40 28.1	1.950	2.932	6.3	18.8
7 20	18 58.66	−40 34.1	1.968	2.928	8.0	18.9
7 30	18 49.90	−40 22.0	2.012	2.924	10.5	19.0
8 9	18 43.38	−39 54.8	2.078	2.920	13.2	19.2

370438 2002 VF_{97} 7 8.3 275.°69 0.°3/ 8.2 18

5 31	19 39.64	−23 8.7	1.635	2.475	16.3	20.9
6 10	19 35.55	−23 7.5	1.541	2.458	12.9	20.6
6 20	19 28.57	−23 9.5	1.467	2.442	8.8	20.4
6 30	19 19.27	−23 12.2	1.417	2.425	4.1	20.1
7 10	19 8.66	−23 13.1	1.392	2.408	1.0	19.8
7 20	18 58.02	−23 10.1	1.392	2.391	6.0	20.1
7 30	18 48.73	−23 2.9	1.418	2.373	10.7	20.3
8 9	18 41.87	−22 52.2	1.466	2.356	15.0	20.5

277414 2005 UD_{231} 7 8.3 144.°94 7.°3/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 46.72	−40 53.7	2.208	3.012	13.7	22.5
6 10	19 40.67	−42 14.1	2.143	3.023	11.4	22.4
6 20	19 31.75	−43 27.5	2.100	3.033	9.1	22.2
6 30	19 20.62	−44 26.7	2.082	3.043	7.5	22.2
7 10	19 8.39	−45 5.7	2.090	3.052	7.5	22.2
7 20	18 56.36	−45 21.9	2.125	3.061	8.9	22.3
7 30	18 45.84	−45 16.3	2.184	3.068	11.1	22.4
8 9	18 37.82	−44 52.6	2.266	3.076	13.3	22.6

404728 2014 JB_{21} 7 8.3 51.°75 1.°2/ 7.9 17

5 31	19 36.55	−24 15.3	2.049	2.881	13.7	21.0
6 10	19 32.36	−24 38.2	1.970	2.883	10.7	20.8
6 20	19 25.95	−25 4.0	1.913	2.886	7.2	20.6
6 30	19 17.87	−25 29.7	1.881	2.888	3.4	20.4
7 10	19 8.98	−25 52.4	1.876	2.891	1.5	20.3
7 20	19 0.23	−26 9.7	1.898	2.893	5.0	20.5
7 30	18 52.61	−26 20.8	1.946	2.896	8.7	20.7
8 9	18 46.90	−26 25.7	2.018	2.898	11.9	21.0

245186 2004 TW_{255} 7 8.3 4.°61 1.°6/ 7.9 17

5 31	19 34.95	−24 28.7	1.015	1.895	20.9	20.0
6 10	19 33.09	−24 42.6	0.954	1.894	16.4	19.8
6 20	19 27.46	−25 1.2	0.910	1.894	11.1	19.5
6 30	19 18.85	−25 20.2	0.885	1.895	5.3	19.2
7 10	19 8.77	−25 34.7	0.882	1.898	2.1	19.0
7 20	18 59.05	−25 41.1	0.900	1.901	7.7	19.3
7 30	18 51.49	−25 38.6	0.939	1.906	13.3	19.6
8 9	18 47.31	−25 28.8	0.996	1.912	18.2	19.9

52638 1997 WD_{36} 7 8.3 159.°50 0.°6/ 8.1 18

5 31	19 37.04	−23 11.3	2.138	2.966	13.3	19.0
6 10	19 32.63	−23 23.5	2.056	2.967	10.4	18.8
6 20	19 26.07	−23 38.6	1.997	2.968	7.0	18.6
6 30	19 17.92	−23 54.3	1.962	2.969	3.2	18.3
7 10	19 8.99	−24 8.2	1.954	2.970	0.9	18.2
7 20	19 0.20	−24 18.5	1.974	2.971	4.7	18.4
7 30	18 52.48	−24 24.5	2.021	2.972	8.3	18.7
8 9	18 46.59	−24 26.2	2.092	2.972	11.6	18.9

469628 2004 RH_{273} 7 8.3 271.°61 1.°4/ 7.9 17

5 31	19 38.46	−24 34.5	1.806	2.642	15.1	21.7
6 10	19 34.37	−24 55.4	1.714	2.629	11.9	21.5
6 20	19 27.63	−25 19.8	1.643	2.616	8.1	21.2
6 30	19 18.79	−25 44.3	1.596	2.603	3.9	21.0
7 10	19 8.78	−26 5.2	1.575	2.590	1.7	20.8
7 20	18 58.77	−26 19.9	1.580	2.576	5.8	21.0
7 30	18 49.99	−26 27.1	1.611	2.562	10.0	21.2
8 9	18 43.42	−26 27.3	1.665	2.549	13.8	21.4

236753 2007 MJ 7 8.3 191.°96 2.°5/ 7.1 18

5 31	19 38.64	−24 51.0	1.925	2.757	14.4	20.5
6 10	19 34.34	−25 58.0	1.844	2.757	11.3	20.3
6 20	19 27.51	−27 10.7	1.785	2.757	7.7	20.1
6 30	19 18.70	−28 23.9	1.751	2.756	4.0	19.9
7 10	19 8.81	−29 31.8	1.744	2.755	2.8	19.8
7 20	18 58.93	−30 29.7	1.765	2.754	6.0	20.0
7 30	18 50.22	−31 15.1	1.812	2.754	9.8	20.2
8 9	18 43.61	−31 47.6	1.883	2.752	13.1	20.4

353769 2012 GC_{30} 7 8.3 172.°11 1.°1/ 7.9 17

5 31	19 41.61	−23 52.2	1.818	2.648	15.3	22.3
6 10	19 36.61	−24 14.5	1.739	2.651	11.9	22.0
6 20	19 28.98	−24 40.4	1.681	2.653	8.1	21.8
6 30	19 19.33	−25 6.3	1.648	2.655	3.8	21.6
7 10	19 8.69	−25 28.7	1.641	2.656	1.5	21.4
7 20	18 58.22	−25 44.9	1.661	2.657	5.6	21.7
7 30	18 49.10	−25 54.1	1.708	2.657	9.7	21.9
8 9	18 42.25	−25 56.7	1.777	2.657	13.3	22.1

246093 2007 BR_{39} 7 8.3 15.°20 1.°9/ 9.2 18

5 31	19 33.59	−13 19.4	1.954	2.775	14.7	19.7
6 10	19 30.10	−14 1.4	1.874	2.778	11.6	19.5
6 20	19 24.48	−14 56.4	1.816	2.781	8.1	19.3
6 30	19 17.23	−16 2.2	1.782	2.785	4.3	19.1
7 10	19 9.14	−17 15.2	1.775	2.789	2.0	18.9
7 20	19 1.12	−18 31.0	1.796	2.794	4.9	19.1
7 30	18 54.11	−19 45.3	1.843	2.798	8.6	19.4
8 9	18 48.90	−20 54.7	1.914	2.804	12.0	19.6

503589 2016 GO_{64} 7 8.3 114.°76 2.°4/ 7.6 17

5 31	19 41.22	−25 16.9	1.476	2.321	17.4	21.8
6 10	19 36.92	−25 57.7	1.406	2.326	13.6	21.6
6 20	19 29.50	−26 42.9	1.356	2.331	9.2	21.3
6 30	19 19.66	−27 27.1	1.330	2.336	4.6	21.1
7 10	19 8.63	−28 4.7	1.328	2.341	2.7	20.9
7 20	18 57.83	−28 31.7	1.352	2.346	6.8	21.2
7 30	18 48.73	−28 46.8	1.400	2.350	11.3	21.5
8 9	18 42.37	−28 51.3	1.469	2.355	15.2	21.7

109841 2001 RH_{125} 7 8.3 339.°71 4.°2/ 9.5 17

	h m	° ′			°	m
5 31	19 34.18	−11 56.8	1.424	2.262	18.3	20.0
6 10	19 31.36	−11 54.0	1.346	2.256	14.8	19.7
6 20	19 25.76	−12 6.5	1.286	2.251	10.7	19.5
6 30	19 17.96	−12 34.4	1.247	2.246	6.5	19.2
7 10	19 8.99	−13 16.0	1.232	2.242	4.2	19.1
7 20	19 0.08	−14 7.8	1.242	2.238	6.9	19.2
7 30	18 52.53	−15 5.4	1.275	2.235	11.2	19.5
8 9	18 47.38	−16 4.2	1.329	2.232	15.4	19.7

166368 2002 LC_{27} 7 8.3 355.°61 4.°4/10.2 16

5 31	19 26.10	− 9 25.6	1.129	1.991	20.5	18.4
6 10	19 25.65	− 9 55.6	1.058	1.982	16.7	18.1
6 20	19 22.24	−10 50.5	1.003	1.974	12.2	17.8
6 30	19 16.43	−12 10.5	0.968	1.969	7.4	17.5
7 10	19 9.31	−13 51.1	0.955	1.966	4.4	17.4
7 20	19 2.23	−15 44.2	0.964	1.965	7.3	17.5
7 30	18 56.66	−17 40.2	0.995	1.966	12.1	17.8
8 9	18 53.75	−19 30.0	1.046	1.969	16.8	18.1

110970 2001 UK_{177} 7 8.3 89.°99 4.°3/ 7.1 18

5 31	19 42.75	−31 13.8	1.716	2.551	15.8	19.8
6 10	19 37.66	−31 59.9	1.655	2.567	12.5	19.6
6 20	19 29.71	−32 43.9	1.615	2.582	8.8	19.4
6 30	19 19.65	−33 20.1	1.600	2.598	5.4	19.2
7 10	19 8.67	−33 43.4	1.610	2.614	4.5	19.2
7 20	18 58.08	−33 51.5	1.646	2.629	7.1	19.4
7 30	18 49.15	−33 44.8	1.707	2.644	10.6	19.6
8 9	18 42.79	−33 26.4	1.791	2.658	13.8	19.9

229805 2008 SC_{69} 7 8.3 9.°20 2.°0/ 8.6 17

5 31	19 36.62	−18 39.8	1.533	2.376	17.0	19.6
6 10	19 32.99	−18 16.9	1.459	2.377	13.4	19.4
6 20	19 26.66	−18 0.0	1.405	2.378	9.2	19.1
6 30	19 18.29	−17 48.8	1.374	2.380	4.7	18.9
7 10	19 8.95	−17 42.1	1.367	2.382	2.1	18.7
7 20	18 59.84	−17 39.1	1.386	2.384	6.0	19.0
7 30	18 52.18	−17 38.9	1.429	2.387	10.4	19.2
8 9	18 46.88	−17 40.6	1.494	2.391	14.3	19.5

261596 2005 XJ_{50} 7 8.3 134.°55 1.°0/ 7.9 18

5 31	19 36.18	−25 9.5	2.511	3.334	11.8	21.2
6 10	19 31.63	−25 18.5	2.429	3.337	9.2	21.1
6 20	19 25.23	−25 28.4	2.370	3.340	6.1	20.9
6 30	19 17.49	−25 37.2	2.337	3.344	2.9	20.7
7 10	19 9.13	−25 43.0	2.332	3.347	1.2	20.5
7 20	19 0.91	−25 44.5	2.355	3.350	4.2	20.8
7 30	18 53.63	−25 41.4	2.406	3.353	7.4	21.0
8 9	18 47.93	−25 34.2	2.481	3.356	10.2	21.2

478262 2011 UR_{401} 7 8.3 227.°19 1.°6/ 7.6 18

5 31	19 36.82	−26 3.3	2.456	3.279	12.0	22.4
6 10	19 32.32	−26 30.6	2.364	3.272	9.4	22.2
6 20	19 25.83	−26 59.5	2.296	3.266	6.3	22.0
6 30	19 17.83	−27 27.1	2.253	3.259	3.2	21.7
7 10	19 9.04	−27 50.6	2.239	3.252	1.9	21.6
7 20	19 0.30	−28 7.9	2.253	3.244	4.7	21.8
7 30	18 52.47	−28 18.2	2.293	3.237	7.9	22.0
8 9	18 46.27	−28 21.6	2.359	3.229	10.8	22.2

29712 1999 AX_6 7 8.3 248.°62 0.°2/ 8.2 18

5 31	19 41.85	−22 59.8	1.536	2.375	17.1	19.0
6 10	19 37.42	−22 58.1	1.448	2.364	13.5	18.8
6 20	19 29.91	−22 59.8	1.379	2.353	9.2	18.5
6 30	19 19.92	−23 2.4	1.333	2.341	4.3	18.2
7 10	19 8.58	−23 2.9	1.313	2.329	1.0	17.9
7 20	18 57.29	−22 59.4	1.318	2.316	6.2	18.2
7 30	18 47.49	−22 51.6	1.348	2.303	11.2	18.5
8 9	18 40.34	−22 40.4	1.400	2.290	15.6	18.7

478398 2012 BD_{97} 7 8.3 194.°44 5.°5/11.3 18

5 31	19 32.72	+ 2 14.8	3.789	4.505	10.0	23.4
6 10	19 28.25	+ 2 35.9	3.692	4.502	8.6	23.3
6 20	19 22.65	+ 2 46.6	3.617	4.497	7.2	23.2
6 30	19 16.23	+ 2 45.5	3.567	4.493	6.0	23.1
7 10	19 9.40	+ 2 32.4	3.544	4.487	5.5	23.1
7 20	19 2.59	+ 2 7.5	3.549	4.481	5.8	23.1
7 30	18 56.26	+ 1 32.3	3.581	4.474	6.9	23.1
8 9	18 50.82	+ 0 48.8	3.639	4.467	8.3	23.2

501933 2014 WC_{506} 7 8.3 241.°98 2.°0/ 7.7 17

5 31	19 41.27	−24 36.9	1.604	2.443	16.5	22.0
6 10	19 36.97	−25 13.3	1.516	2.432	13.0	21.7
6 20	19 29.63	−25 55.0	1.448	2.422	8.9	21.4
6 30	19 19.81	−26 37.4	1.403	2.410	4.4	21.1
7 10	19 8.60	−27 15.3	1.385	2.399	2.3	21.0
7 20	18 57.35	−27 44.4	1.392	2.387	6.6	21.2
7 30	18 47.51	−28 2.9	1.424	2.374	11.2	21.4
8 9	18 40.26	−28 11.3	1.478	2.361	15.3	21.7

9294 1983 *EV* 7 8.3 114.°75 2.°0/ 7.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 39.71	−26 37.7	2.021	2.850	14.0	17.8
6 10	19 34.82	−27 1.7	1.949	2.860	10.9	17.6
6 20	19 27.58	−27 26.5	1.898	2.869	7.4	17.4
6 30	19 18.64	−27 48.8	1.873	2.879	3.7	17.2
7 10	19 8.90	−28 5.2	1.875	2.888	2.2	17.1
7 20	18 59.41	−28 13.9	1.904	2.897	5.3	17.3
7 30	18 51.18	−28 14.5	1.960	2.905	8.9	17.6
8 9	18 45.00	−28 8.0	2.039	2.914	12.1	17.8

352515 2008 CP_{98} 7 8.3 264.°04 3.°7/ 9.8 18

5 31	19 33.99	−10 8.8	2.214	3.017	13.8	21.1
6 10	19 30.15	−10 12.4	2.125	3.013	11.2	20.9
6 20	19 24.39	−10 27.6	2.056	3.008	8.2	20.7
6 30	19 17.18	−10 54.2	2.012	3.003	5.2	20.5
7 10	19 9.20	−11 31.1	1.994	2.999	3.7	20.4
7 20	19 1.26	−12 16.1	2.004	2.994	5.4	20.5
7 30	18 54.18	−13 6.5	2.040	2.989	8.4	20.7
8 9	18 48.67	−13 59.1	2.101	2.984	11.4	20.9

46092 2001 EP_{16} 7 8.3 26.°95 8.°7/10.7 18

5 31	19 33.79	− 3 4.2	1.600	2.401	18.2	18.3
6 10	19 30.49	− 2 5.0	1.534	2.408	15.5	18.1
6 20	19 24.83	− 1 23.3	1.487	2.415	12.5	17.9
6 30	19 17.41	− 1 3.0	1.460	2.423	9.9	17.8
7 10	19 9.18	− 1 5.8	1.456	2.432	8.7	17.7
7 20	19 1.16	− 1 30.6	1.476	2.441	9.6	17.8
7 30	18 54.40	− 2 14.1	1.519	2.451	12.0	18.0
8 9	18 49.69	− 3 11.0	1.583	2.461	14.8	18.2

103245 2000 AN_4 7 8.3 211.°84 3.°6/ 9.9 18

5 31	19 36.10	− 9 8.0	2.520	3.307	12.7	20.7
6 10	19 31.56	− 9 16.1	2.422	3.300	10.4	20.5
6 20	19 25.24	− 9 35.2	2.347	3.293	7.7	20.3
6 30	19 17.56	−10 5.3	2.297	3.285	5.0	20.1
7 10	19 9.15	−10 45.2	2.274	3.276	3.6	20.0
7 20	19 0.73	−11 32.8	2.280	3.267	5.1	20.1
7 30	18 53.05	−12 25.6	2.314	3.257	7.8	20.2
8 9	18 46.79	−13 20.7	2.373	3.247	10.6	20.4

392848 2012 UQ_{51} 7 8.3 231.°46 1.°5/ 7.8 18

5 31	19 37.93	−24 59.0	2.051	2.881	13.7	21.8
6 10	19 33.56	−25 24.5	1.965	2.877	10.8	21.6
6 20	19 26.86	−25 52.5	1.901	2.873	7.3	21.4
6 30	19 18.38	−26 20.1	1.862	2.868	3.5	21.2
7 10	19 8.98	−26 43.8	1.850	2.864	1.7	21.0
7 20	18 59.66	−27 1.3	1.865	2.859	5.2	21.3
7 30	18 51.46	−27 11.5	1.906	2.854	8.9	21.5
8 9	18 45.21	−27 14.8	1.971	2.849	12.3	21.7

387857 2004 QA_{10} 7 8.3 1.°18 13.°1/ 6.0 17

5 31	19 36.79	−48 30.3	1.318	2.157	19.5	19.0
6 10	19 35.03	−49 46.9	1.264	2.153	17.1	18.8
6 20	19 29.00	−50 45.7	1.226	2.152	14.8	18.6
6 30	19 19.63	−51 15.9	1.207	2.152	13.4	18.5
7 10	19 8.73	−51 10.0	1.208	2.154	13.2	18.5
7 20	18 58.46	−50 26.2	1.228	2.158	14.5	18.6
7 30	18 50.79	−49 8.9	1.268	2.164	16.6	18.8
8 9	18 46.92	−47 27.6	1.326	2.172	18.9	19.0

193378 2000 VY_{16} 7 8.3 229.°34 7.°5/10.0 18

5 31	19 36.47	− 3 14.9	2.065	2.841	15.5	20.3
6 10	19 32.19	− 2 20.0	1.976	2.834	13.2	20.1
6 20	19 25.83	− 1 38.1	1.907	2.827	10.7	19.9
6 30	19 17.88	− 1 12.4	1.861	2.819	8.5	19.8
7 10	19 9.10	− 1 4.7	1.839	2.811	7.5	19.7
7 20	19 0.34	− 1 15.1	1.844	2.803	8.5	19.8
7 30	18 52.52	− 1 42.0	1.873	2.794	10.7	19.9
8 9	18 46.40	− 2 21.8	1.925	2.785	13.3	20.0

219653 2001 UC_{172} 7 8.3 182.°85 0.°8/ 8.0 17

5 31	19 40.13	−23 21.4	1.981	2.808	14.3	21.3
6 10	19 35.26	−23 39.6	1.899	2.809	11.2	21.1
6 20	19 27.99	−24 1.2	1.837	2.809	7.5	20.9
6 30	19 18.90	−24 23.4	1.801	2.808	3.5	20.7
7 10	19 8.89	−24 43.1	1.792	2.808	1.2	20.5
7 20	18 59.01	−24 58.0	1.811	2.807	5.1	20.8
7 30	18 50.33	−25 7.1	1.856	2.805	9.0	21.0
8 9	18 43.70	−25 10.8	1.924	2.803	12.5	21.2

151198 2001 YS_6 7 8.3 70.°16 7.°6/11.1 18

5 31	19 35.54	− 2 55.5	1.686	2.479	17.8	19.3
6 10	19 31.82	− 2 30.1	1.613	2.483	15.0	19.1
6 20	19 25.73	− 2 23.5	1.557	2.488	11.9	19.0
6 30	19 17.87	− 2 38.3	1.524	2.492	9.1	18.8
7 10	19 9.11	− 3 14.4	1.514	2.497	7.7	18.7
7 20	19 0.50	− 4 9.6	1.529	2.501	8.6	18.8
7 30	18 53.08	− 5 19.5	1.568	2.506	11.2	19.0
8 9	18 47.68	− 6 38.1	1.629	2.511	14.2	19.2

23866 1998 RC_{69} 7 8.3 318.°05 0.°3/ 8.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
5 31	19 34.04	−22 24.8	2.015	2.851	13.7	18.0
6 10	19 30.62	−22 34.6	1.919	2.835	10.8	17.8
6 20	19 24.96	−22 48.3	1.844	2.818	7.3	17.5
6 30	19 17.54	−23 3.9	1.794	2.802	3.4	17.2
7 10	19 9.17	−23 19.1	1.770	2.786	0.8	17.0
7 20	19 0.80	−23 31.8	1.773	2.771	4.9	17.3
7 30	18 53.42	−23 40.7	1.801	2.756	8.9	17.5
8 9	18 47.89	−23 45.8	1.853	2.741	12.4	17.7

30303 2000 HS_{93} 7 8.3 286.°61 1.°1/ 8.5 18

5 31	19 38.95	−20 11.6	1.350	2.200	18.5	18.7
6 10	19 35.58	−20 1.5	1.262	2.184	14.7	18.4
6 20	19 28.94	−19 57.7	1.192	2.167	10.1	18.1
6 30	19 19.61	−19 58.8	1.144	2.151	4.9	17.8
7 10	19 8.72	−20 2.5	1.119	2.135	1.4	17.5
7 20	18 57.77	−20 6.7	1.119	2.119	6.7	17.8
7 30	18 48.36	−20 10.3	1.142	2.102	12.1	18.0
8 9	18 41.76	−20 12.9	1.185	2.087	17.0	18.3

255231 2005 UD_{438} 7 8.3 243.°11 0.°0/ 8.2 18

5 31	19 35.88	−21 51.5	2.640	3.457	11.4	21.6
6 10	19 31.40	−21 55.9	2.541	3.445	8.9	21.4
6 20	19 25.14	−22 2.9	2.464	3.433	6.0	21.2
6 30	19 17.52	−22 11.2	2.414	3.421	2.8	21.0
7 10	19 9.20	−22 19.2	2.392	3.408	0.6	20.8
7 20	19 0.90	−22 25.6	2.399	3.395	4.0	21.0
7 30	18 53.39	−22 29.6	2.433	3.382	7.2	21.2
8 9	18 47.32	−22 31.3	2.493	3.369	10.1	21.4

43637 2002 EW_{28} 7 8.3 59.°35 5.°3/10.2 18

5 31	19 33.95	− 7 0.8	2.135	2.930	14.5	18.8
6 10	19 29.98	− 6 36.8	2.067	2.945	11.9	18.6
6 20	19 24.16	− 6 25.3	2.020	2.959	9.1	18.5
6 30	19 17.03	− 6 27.2	1.996	2.974	6.5	18.4
7 10	19 9.31	− 6 42.4	1.998	2.989	5.3	18.3
7 20	19 1.80	− 7 9.4	2.026	3.004	6.4	18.4
7 30	18 55.26	− 7 45.8	2.080	3.020	8.8	18.6
8 9	18 50.33	− 8 28.3	2.158	3.035	11.4	18.8

256893 2008 DM_{43} 7 8.3 122.°16 2.°0/ 7.7 17

5 31	19 42.13	−25 49.0	1.703	2.537	15.9	21.6
6 10	19 37.14	−26 18.2	1.634	2.548	12.4	21.4
6 20	19 29.39	−26 49.6	1.585	2.558	8.4	21.2
6 30	19 19.57	−27 18.9	1.561	2.567	4.2	21.0
7 10	19 8.78	−27 41.9	1.563	2.577	2.3	20.9
7 20	18 58.29	−27 56.0	1.592	2.586	6.0	21.1
7 30	18 49.33	−28 0.5	1.646	2.594	10.1	21.4
8 9	18 42.80	−27 57.0	1.723	2.603	13.7	21.6

442068 2010 RE_{144} 7 8.3 303.°54 4.°2/ 7.1 18

5 31	19 38.25	−33 30.4	2.202	3.029	13.0	21.1
6 10	19 33.81	−34 0.9	2.117	3.022	10.4	20.9
6 20	19 27.03	−34 28.2	2.054	3.016	7.5	20.7
6 30	19 18.46	−34 47.9	2.016	3.010	4.9	20.5
7 10	19 9.01	−34 56.5	2.005	3.004	4.3	20.5
7 20	18 59.68	−34 52.1	2.020	2.999	6.4	20.6
7 30	18 51.54	−34 35.1	2.061	2.993	9.3	20.8
8 9	18 45.39	−34 7.6	2.126	2.987	12.2	20.9

49060 1998 RJ_{46} 7 8.3 171.°71 3.°2/ 9.3 18

5 31	19 36.75	−12 9.8	2.460	3.257	12.7	20.0
6 10	19 32.01	−11 57.1	2.374	3.261	10.2	19.8
6 20	19 25.48	−11 52.6	2.311	3.263	7.4	19.6
6 30	19 17.65	−11 56.1	2.272	3.265	4.6	19.5
7 10	19 9.18	−12 7.2	2.262	3.267	3.2	19.4
7 20	19 0.82	−12 24.6	2.280	3.268	4.9	19.5
7 30	18 53.31	−12 46.9	2.325	3.269	7.8	19.7
8 9	18 47.29	−13 12.3	2.395	3.269	10.5	19.8

356320 2010 JK_8 7 8.3 312.°19 3.°9/ 9.8 18

5 31	19 33.49	−10 7.2	2.034	2.844	14.6	20.6
6 10	19 29.98	−10 11.4	1.945	2.837	11.8	20.4
6 20	19 24.41	−10 28.2	1.876	2.830	8.7	20.2
6 30	19 17.25	−10 57.8	1.831	2.823	5.6	20.0
7 10	19 9.26	−11 38.7	1.811	2.816	3.9	19.9
7 20	19 1.27	−12 28.5	1.819	2.810	5.7	20.0
7 30	18 54.21	−13 24.0	1.852	2.804	8.9	20.2
8 9	18 48.84	−14 21.7	1.910	2.798	12.2	20.4

59845 1999 RC_{61} 7 8.3 250.°41 3.°7/ 9.7 18

5 31	19 33.74	− 9 52.8	2.473	3.269	12.7	19.5
6 10	19 29.78	− 9 47.5	2.376	3.259	10.3	19.3
6 20	19 24.08	− 9 52.2	2.301	3.250	7.7	19.1
6 30	19 17.04	−10 7.1	2.251	3.240	5.0	18.9
7 10	19 9.31	−10 31.6	2.228	3.230	3.7	18.8
7 20	19 1.57	−11 4.3	2.233	3.220	5.2	18.9
7 30	18 54.59	−11 43.0	2.265	3.209	7.9	19.1
8 9	18 49.00	−12 25.4	2.321	3.199	10.7	19.2

237125 2008 UA_2 7 8.3 274.°16 7.°4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.84	−37 50.9	1.905	2.731	14.8	20.0
6 10	19 37.55	−39 17.2	1.818	2.716	12.2	19.8
6 20	19 30.15	−40 41.0	1.752	2.700	9.6	19.6
6 30	19 20.16	−41 54.0	1.710	2.685	7.7	19.5
7 10	19 8.62	−42 48.8	1.694	2.669	7.7	19.4
7 20	18 56.93	−43 20.3	1.702	2.653	9.7	19.5
7 30	18 46.61	−43 27.6	1.735	2.637	12.5	19.6
8 9	18 38.91	−43 14.0	1.788	2.621	15.3	19.8

107005 2000 YE_{112} 7 8.3 215.°17 1.°9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.76	−24 5.1	1.664	2.501	16.1	20.5
6 10	19 36.39	−24 49.2	1.582	2.498	12.7	20.2
6 20	19 29.14	−25 39.1	1.520	2.493	8.6	20.0
6 30	19 19.58	−26 30.1	1.482	2.489	4.2	19.7
7 10	19 8.78	−27 16.9	1.470	2.484	2.2	19.6
7 20	18 58.00	−27 55.2	1.484	2.478	6.3	19.8
7 30	18 48.61	−28 22.7	1.524	2.473	10.7	20.1
8 9	18 41.68	−28 39.6	1.586	2.467	14.6	20.3

336138 2008 QP_9 7 8.3 13.°93 19.°6/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 29.55	+22 24.9	1.265	1.959	27.2	20.1
6 10	19 27.93	+23 19.6	1.215	1.965	25.6	20.0
6 20	19 23.48	+23 30.6	1.174	1.973	23.8	19.8
6 30	19 16.92	+22 49.1	1.145	1.983	22.0	19.7
7 10	19 9.36	+21 11.2	1.129	1.994	20.5	19.7
7 20	19 2.08	+18 39.0	1.130	2.006	19.7	19.7
7 30	18 56.33	+15 22.0	1.149	2.021	19.7	19.7
8 9	18 53.05	+11 35.6	1.188	2.036	20.5	19.8

312002 2007 PL_6 7 8.3 315.°76 4.°6/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.96	−13 6.1	1.162	2.019	20.3	20.1
6 10	19 31.27	−12 49.6	1.075	1.998	16.6	19.7
6 20	19 26.29	−12 48.4	1.006	1.977	12.1	19.4
6 30	19 18.50	−13 4.2	0.955	1.957	7.3	19.1
7 10	19 8.99	−13 36.5	0.927	1.937	4.6	18.9
7 20	18 59.26	−14 22.4	0.920	1.919	8.1	19.0
7 30	18 51.01	−15 17.1	0.934	1.901	13.4	19.2
8 9	18 45.66	−16 15.5	0.968	1.884	18.5	19.5

105879 2000 SQ_{177} 7 8.3 182.°67 3.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.06	−32 47.2	2.392	3.213	12.3	19.6
6 10	19 34.17	−33 13.2	2.310	3.213	9.8	19.4
6 20	19 27.12	−33 36.2	2.251	3.213	7.0	19.2
6 30	19 18.47	−33 52.3	2.218	3.213	4.4	19.1
7 10	19 9.06	−33 58.6	2.211	3.213	3.7	19.0
7 20	18 59.82	−33 53.6	2.233	3.213	5.8	19.1
7 30	18 51.69	−33 37.6	2.280	3.212	8.5	19.3
8 9	18 45.41	−33 12.6	2.352	3.211	11.2	19.5

360233 1999 VR_{174} 7 8.3 163.°48 3.°5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.82	− 9 22.6	2.944	3.728	11.1	22.3
6 10	19 29.44	− 9 10.9	2.858	3.732	9.1	22.1
6 20	19 23.63	− 9 7.3	2.794	3.737	6.7	22.0
6 30	19 16.79	− 9 12.2	2.756	3.740	4.5	21.9
7 10	19 9.44	− 9 25.2	2.746	3.744	3.5	21.8
7 20	19 2.18	− 9 45.3	2.764	3.747	4.6	21.9
7 30	18 55.60	−10 11.1	2.811	3.749	6.8	22.0
8 9	18 50.20	−10 40.8	2.883	3.752	9.1	22.2

53770 2000 EA_{86} 7 8.3 74.°99 0.°0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.61	−20 30.7	1.543	2.383	17.0	19.1
6 10	19 35.29	−20 54.2	1.480	2.397	13.3	18.9
6 20	19 28.20	−21 24.8	1.437	2.412	8.9	18.7
6 30	19 19.06	−21 59.2	1.418	2.426	4.1	18.5
7 10	19 8.99	−22 33.5	1.424	2.441	0.8	18.2
7 20	18 59.26	−23 4.4	1.456	2.455	5.7	18.6
7 30	18 51.08	−23 29.8	1.513	2.469	10.1	18.9
8 9	18 45.35	−23 49.2	1.593	2.484	14.0	19.2

373709 2002 RZ_{252} 7 8.3 328.°91 4.°6/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.59	−13 43.1	1.268	2.119	19.3	21.5
6 10	19 31.35	−13 12.8	1.187	2.106	15.7	21.2
6 20	19 26.05	−12 54.5	1.124	2.093	11.4	21.0
6 30	19 18.27	−12 49.9	1.081	2.081	6.9	20.7
7 10	19 9.12	−12 58.8	1.060	2.070	4.6	20.5
7 20	18 59.96	−13 19.7	1.063	2.060	7.7	20.7
7 30	18 52.29	−13 49.9	1.088	2.050	12.4	20.9
8 9	18 47.29	−14 25.6	1.132	2.042	16.9	21.1

182822 2002 AJ_{190} 7 8.3 218.°70 2.°5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.13	−27 53.4	2.422	3.247	12.1	20.6
6 10	19 32.67	−28 34.3	2.335	3.243	9.5	20.4
6 20	19 26.16	−29 16.3	2.270	3.239	6.5	20.2
6 30	19 18.08	−29 55.8	2.232	3.234	3.6	20.0
7 10	19 9.18	−30 29.5	2.221	3.230	2.7	20.0
7 20	19 0.32	−30 54.7	2.238	3.225	5.1	20.1
7 30	18 52.40	−31 10.4	2.282	3.220	8.2	20.3
8 9	18 46.17	−31 17.2	2.351	3.215	11.0	20.5

238124 2003 OY_{32} 7 8.3 233.°09 9.°8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.87	+ 5 47.0	2.024	2.761	17.0	20.4
6 10	19 31.01	+ 6 14.5	1.940	2.757	15.0	20.3
6 20	19 25.09	+ 6 20.5	1.873	2.754	12.8	20.1
6 30	19 17.60	+ 6 1.5	1.827	2.750	10.9	20.0
7 10	19 9.28	+ 5 16.3	1.804	2.746	9.9	19.9
7 20	19 1.00	+ 4 6.3	1.806	2.742	10.2	19.9
7 30	18 53.65	+ 2 35.7	1.831	2.738	11.7	20.0
8 9	18 47.99	+ 0 51.0	1.880	2.734	13.9	20.1

130655 2000 ST_{95} 7 8.3 6.°29 0.°0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.88	−22 53.0	1.162	2.027	19.8	19.4
6 10	19 34.92	−22 39.9	1.096	2.027	15.6	19.1
6 20	19 28.48	−22 30.6	1.047	2.027	10.6	18.8
6 30	19 19.35	−22 22.8	1.019	2.029	4.9	18.5
7 10	19 8.93	−22 14.3	1.014	2.031	1.0	18.2
7 20	18 58.84	−22 3.5	1.032	2.033	6.9	18.6
7 30	18 50.71	−21 50.4	1.072	2.037	12.3	18.9
8 9	18 45.67	−21 36.0	1.132	2.041	17.0	19.2

342679 2008 VL_{39} 7 8.3 257.°52 0.°8/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.87	−24 22.9	1.910	2.742	14.5	21.2
6 10	19 34.43	−24 24.9	1.824	2.737	11.4	21.0
6 20	19 27.53	−24 28.6	1.759	2.732	7.7	20.8
6 30	19 18.76	−24 31.6	1.719	2.727	3.6	20.5
7 10	19 9.06	−24 31.7	1.706	2.722	1.1	20.3
7 20	18 59.49	−24 27.3	1.719	2.716	5.2	20.6
7 30	18 51.14	−24 18.2	1.759	2.711	9.2	20.8
8 9	18 44.89	−24 5.3	1.822	2.706	12.8	21.0

271769 2004 SM_{48} 7 8.3 333.°31 12.°5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.01	−45 27.5	1.340	2.180	19.1	19.2
6 10	19 37.76	−46 58.1	1.267	2.163	16.6	19.0
6 20	19 31.19	−48 17.5	1.212	2.146	14.2	18.8
6 30	19 20.92	−49 13.4	1.177	2.131	12.7	18.6
7 10	19 8.58	−49 35.4	1.162	2.117	12.8	18.6
7 20	18 56.38	−49 18.4	1.167	2.103	14.5	18.7
7 30	18 46.60	−48 24.6	1.192	2.091	17.1	18.8
8 9	18 40.82	−47 2.4	1.234	2.080	20.1	18.9

499591 2010 TA_{65} 7 8.3 298.°82 5.°0/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.33	−32 1.0	1.375	2.227	18.1	21.3
6 10	19 37.79	−32 28.9	1.289	2.210	14.5	21.0
6 20	19 30.63	−32 54.1	1.223	2.194	10.4	20.7
6 30	19 20.49	−33 10.3	1.178	2.179	6.4	20.4
7 10	19 8.70	−33 11.1	1.156	2.163	5.2	20.3
7 20	18 56.94	−32 53.3	1.159	2.147	8.5	20.5
7 30	18 47.02	−32 18.1	1.184	2.132	13.1	20.7
8 9	18 40.29	−31 30.0	1.229	2.117	17.4	20.9

187004 2004 TV_{121} 7 8.3 340.°31 4.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.40	−12 40.9	1.866	2.690	15.1	19.6
6 10	19 29.33	−12 15.5	1.779	2.681	12.2	19.4
6 20	19 24.09	−11 59.5	1.712	2.672	8.9	19.2
6 30	19 17.18	−11 53.8	1.669	2.664	5.6	19.0
7 10	19 9.41	−11 58.3	1.651	2.657	4.0	18.9
7 20	19 1.69	−12 12.0	1.658	2.650	6.0	19.0
7 30	18 55.00	−12 33.1	1.691	2.644	9.5	19.2
8 9	18 50.13	−12 59.3	1.746	2.638	12.9	19.4

324362 2006 QE_{116} 7 8.3 306.°21 1.°0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.81	−24 21.9	1.353	2.209	18.1	20.8
6 10	19 34.85	−24 23.2	1.262	2.189	14.4	20.5
6 20	19 28.57	−24 27.5	1.190	2.169	9.8	20.2
6 30	19 19.54	−24 31.8	1.140	2.149	4.7	19.8
7 10	19 8.90	−24 32.6	1.114	2.130	1.5	19.6
7 20	18 58.18	−24 27.4	1.111	2.111	6.9	19.9
7 30	18 49.02	−24 15.7	1.131	2.092	12.2	20.1
8 9	18 42.73	−23 59.0	1.172	2.074	17.0	20.3

379353 2009 WP_{150} 7 8.3 142.°84 4.°6/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.94	−10 8.6	1.975	2.777	15.2	21.7
6 10	19 33.34	− 9 43.9	1.898	2.784	12.4	21.6
6 20	19 26.60	− 9 30.1	1.841	2.791	9.2	21.4
6 30	19 18.28	− 9 28.1	1.808	2.797	6.1	21.2
7 10	19 9.21	− 9 37.7	1.802	2.802	4.6	21.1
7 20	19 0.29	− 9 57.5	1.822	2.808	6.3	21.2
7 30	18 52.47	−10 25.4	1.869	2.813	9.3	21.4
8 9	18 46.49	−10 58.8	1.939	2.817	12.4	21.6

41173 1999 VP_{180} 7 8.3 214.°79 0.°4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.41	−20 26.8	2.638	3.454	11.4	19.8
6 10	19 31.01	−20 33.6	2.546	3.450	9.0	19.6
6 20	19 24.89	−20 44.1	2.477	3.445	6.1	19.4
6 30	19 17.47	−20 56.9	2.433	3.440	2.9	19.2
7 10	19 9.40	−21 10.3	2.418	3.434	0.7	19.0
7 20	19 1.38	−21 23.1	2.432	3.429	3.9	19.3
7 30	18 54.17	−21 34.3	2.473	3.423	7.1	19.5
8 9	18 48.37	−21 43.3	2.540	3.417	9.9	19.6

418207 2008 CY_{128} 7 8.3 209.°67 0.°7/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.44	−20 4.7	1.950	2.770	14.7	22.7
6 10	19 36.38	−20 7.9	1.859	2.764	11.6	22.5
6 20	19 28.87	−20 16.2	1.789	2.757	7.9	22.2
6 30	19 19.44	−20 27.9	1.744	2.750	3.8	22.0
7 10	19 8.99	−20 40.7	1.726	2.742	0.9	21.7
7 20	18 58.59	−20 52.7	1.736	2.733	5.1	22.0
7 30	18 49.35	−21 2.6	1.772	2.724	9.3	22.2
8 9	18 42.16	−21 10.3	1.833	2.713	12.9	22.4

23239 2000 WR_{116} 7 8.3 323.°69 1.°5/ 8.1 18

5 31	19 34.32	−25 38.0	1.317	2.182	18.0	17.9
6 10	19 32.33	−25 37.7	1.220	2.152	14.3	17.6
6 20	19 27.02	−25 38.9	1.142	2.122	9.9	17.3
6 30	19 18.90	−25 38.5	1.085	2.093	4.8	16.9
7 10	19 9.07	−25 32.9	1.050	2.066	1.9	16.6
7 20	18 59.02	−25 19.7	1.039	2.039	7.1	16.9
7 30	18 50.46	−24 58.6	1.050	2.013	12.6	17.1
8 9	18 44.79	−24 31.6	1.080	1.989	17.6	17.3

389214 2009 DL_{51} 7 8.3 68.°60 5.°0/10.4 18

5 31	19 34.57	− 7 6.0	2.025	2.822	15.1	21.1
6 10	19 30.69	− 7 0.7	1.950	2.831	12.4	20.9
6 20	19 24.82	− 7 9.4	1.896	2.839	9.4	20.8
6 30	19 17.48	− 7 32.7	1.864	2.847	6.5	20.6
7 10	19 9.43	− 8 9.6	1.859	2.855	5.0	20.5
7 20	19 1.52	− 8 57.8	1.880	2.864	6.3	20.6
7 30	18 54.61	− 9 53.9	1.927	2.872	9.0	20.8
8 9	18 49.40	−10 54.0	1.998	2.881	11.9	21.0

505562 2014 AW_{40} 7 8.3 140.°93 0.°7/ 8.1 17

5 31	19 40.21	−24 27.6	2.279	3.098	12.9	22.2
6 10	19 34.92	−24 30.3	2.202	3.108	10.1	22.0
6 20	19 27.56	−24 34.0	2.147	3.116	6.8	21.8
6 30	19 18.71	−24 36.7	2.118	3.125	3.2	21.6
7 10	19 9.20	−24 36.6	2.117	3.133	1.0	21.5
7 20	18 59.91	−24 32.4	2.145	3.140	4.5	21.7
7 30	18 51.73	−24 24.1	2.200	3.147	7.9	22.0
8 9	18 45.36	−24 12.5	2.279	3.154	11.0	22.2

164170 2004 AS_{25} 7 8.3 174.°73 5.°1/ 9.9 18

5 31	19 36.15	− 6 46.7	2.454	3.234	13.2	20.8
6 10	19 31.57	− 6 16.7	2.369	3.236	10.9	20.6
6 20	19 25.25	− 5 57.2	2.304	3.238	8.4	20.4
6 30	19 17.65	− 5 49.5	2.265	3.239	6.2	20.3
7 10	19 9.41	− 5 53.8	2.252	3.240	5.1	20.2
7 20	19 1.27	− 6 9.4	2.267	3.240	6.2	20.3
7 30	18 53.95	− 6 34.7	2.308	3.240	8.4	20.5
8 9	18 48.08	− 7 7.4	2.374	3.240	10.9	20.6

365960 2012 BE_{24} 7 8.3 137.°82 1.°3/ 7.6 18

5 31	19 35.12	−24 3.8	2.783	3.602	10.8	20.6
6 10	19 30.76	−24 48.9	2.700	3.606	8.4	20.4
6 20	19 24.72	−25 37.0	2.641	3.611	5.7	20.3
6 30	19 17.41	−26 25.3	2.609	3.615	2.7	20.1
7 10	19 9.46	−27 10.9	2.606	3.619	1.5	20.0
7 20	19 1.56	−27 51.3	2.632	3.624	4.1	20.2
7 30	18 54.43	−28 25.0	2.685	3.628	6.9	20.4
8 9	18 48.68	−28 51.5	2.765	3.631	9.5	20.5

136890 1998 HO_{20} 7 8.3 94.°90 4.°3/ 6.9 17

5 31	19 42.12	−34 47.7	2.462	3.275	12.3	20.1
6 10	19 36.37	−35 32.6	2.405	3.300	9.7	19.9
6 20	19 28.50	−36 13.0	2.371	3.325	7.1	19.8
6 30	19 19.13	−36 44.7	2.362	3.350	4.9	19.7
7 10	19 9.14	−37 4.2	2.382	3.374	4.5	19.7
7 20	18 59.47	−37 10.2	2.429	3.398	6.1	19.9
7 30	18 51.04	−37 3.1	2.503	3.421	8.5	20.0
8 9	18 44.51	−36 45.4	2.600	3.444	10.8	20.2

443050 2013 EV_{111} 7 8.3 252.°89 2.°8/ 7.2 18

5 31	19 36.38	−28 56.6	2.413	3.239	12.1	21.0
6 10	19 32.12	−29 37.9	2.329	3.238	9.5	20.8
6 20	19 25.82	−30 19.6	2.269	3.236	6.6	20.6
6 30	19 17.98	−30 57.9	2.234	3.235	3.8	20.4
7 10	19 9.35	−31 29.6	2.227	3.234	3.0	20.4
7 20	19 0.80	−31 52.1	2.247	3.233	5.3	20.5
7 30	18 53.20	−32 4.7	2.295	3.232	8.2	20.7
8 9	18 47.30	−32 7.9	2.366	3.230	11.0	20.9

434679 2006 BF_{20} 7 8.3 243.°79 0.°2/ 8.2 18

5 31	19 39.43	−21 49.4	2.069	2.892	13.9	22.5
6 10	19 34.83	−22 4.9	1.970	2.877	11.0	22.3
6 20	19 27.86	−22 24.9	1.892	2.862	7.4	22.0
6 30	19 19.03	−22 47.2	1.840	2.847	3.5	21.7
7 10	19 9.14	−23 9.0	1.815	2.831	0.8	21.5
7 20	18 59.20	−23 28.0	1.817	2.814	5.0	21.8
7 30	18 50.27	−23 42.6	1.847	2.797	9.0	22.0
8 9	18 43.26	−23 52.7	1.900	2.780	12.6	22.2

322007 2010 UA_{92} 7 8.3 309.°51 0.°3/ 8.2 18

5 31	19 34.52	−21 50.1	2.041	2.875	13.7	20.8
6 10	19 31.04	−22 7.5	1.944	2.858	10.8	20.6
6 20	19 25.32	−22 29.9	1.868	2.841	7.3	20.4
6 30	19 17.85	−22 55.1	1.816	2.824	3.4	20.1
7 10	19 9.39	−23 20.3	1.791	2.807	0.8	19.8
7 20	19 0.89	−23 43.2	1.793	2.791	4.9	20.1
7 30	18 53.35	−24 2.0	1.821	2.775	8.9	20.3
8 9	18 47.64	−24 16.1	1.872	2.759	12.4	20.5

205745 2002 CK_4 7 8.3 10.°44 7.°1/ 8.3 17

5 31	19 40.85	−37 8.9	0.988	1.861	21.9	18.7
6 10	19 38.23	−37 11.5	0.933	1.863	17.8	18.4
6 20	19 31.14	−37 0.7	0.894	1.866	13.2	18.2
6 30	19 20.69	−36 28.9	0.873	1.871	8.8	18.0
7 10	19 8.87	−35 31.7	0.874	1.877	7.2	17.9
7 20	18 57.90	−34 10.8	0.895	1.885	10.1	18.1
7 30	18 49.74	−32 33.4	0.937	1.894	14.6	18.4
8 9	18 45.49	−30 49.4	0.998	1.905	18.9	18.7

395868 2013 AZ_{20} 7 8.3 38.°05 3.°7/10.2 18

5 31	19 34.28	− 8 52.4	2.115	2.916	14.4	20.6
6 10	19 30.49	− 9 15.1	2.033	2.919	11.7	20.4
6 20	19 24.73	− 9 51.8	1.972	2.923	8.6	20.2
6 30	19 17.49	−10 41.9	1.935	2.926	5.4	20.0
7 10	19 9.50	−11 43.2	1.925	2.930	3.7	19.9
7 20	19 1.57	−12 52.3	1.942	2.933	5.3	20.0
7 30	18 54.56	−14 5.3	1.986	2.937	8.4	20.2
8 9	18 49.18	−15 18.2	2.055	2.941	11.5	20.4

368280 2002 LK_{55} 7 8.3 350.°92 4.°5/ 8.2 18 R

5 31	19 32.25	−32 23.9	0.928	1.819	21.5	19.3
6 10	19 31.69	−32 8.9	0.862	1.806	17.2	19.0
6 20	19 26.97	−31 44.3	0.812	1.795	12.2	18.7
6 30	19 18.91	−31 4.8	0.780	1.786	7.0	18.3
7 10	19 9.20	−30 7.1	0.768	1.780	4.6	18.2
7 20	18 59.90	−28 52.5	0.776	1.776	8.8	18.4
7 30	18 53.00	−27 26.6	0.803	1.774	14.3	18.7
8 9	18 49.79	−25 57.0	0.848	1.774	19.4	19.0

471305 2011 HL_{56} 7 8.3 73.°62 2.°5/ 9.2 16

5 31	19 38.16	−14 25.6	1.711	2.535	16.3	21.8
6 10	19 33.79	−14 35.8	1.649	2.553	12.9	21.6
6 20	19 27.04	−14 56.9	1.607	2.572	9.0	21.4
6 30	19 18.55	−15 27.5	1.589	2.591	4.9	21.2
7 10	19 9.30	−16 5.0	1.597	2.609	2.5	21.1
7 20	19 0.35	−16 46.2	1.631	2.628	5.5	21.3
7 30	18 52.74	−17 28.0	1.691	2.646	9.3	21.6
8 9	18 47.24	−18 8.2	1.774	2.664	12.8	21.8

433974 1999 TX_{261} 7 8.3 311.°72 1.°8/ 8.7 18

5 31	19 35.78	−18 40.5	1.618	2.458	16.3	21.5
6 10	19 32.54	−18 25.0	1.525	2.442	13.0	21.2
6 20	19 26.61	−18 15.5	1.453	2.425	9.0	20.9
6 30	19 18.54	−18 11.6	1.403	2.409	4.6	20.6
7 10	19 9.27	−18 11.9	1.378	2.393	1.9	20.4
7 20	18 59.98	−18 15.2	1.378	2.377	5.9	20.6
7 30	18 51.92	−18 20.3	1.403	2.362	10.5	20.9
8 9	18 46.11	−18 26.4	1.450	2.348	14.7	21.1

254895 2005 SN_{59} 7 8.3 251.°25 0.°0/ 8.2 18

5 31	19 35.89	−21 45.1	2.321	3.145	12.6	21.3
6 10	19 31.68	−21 53.5	2.232	3.141	9.8	21.1
6 20	19 25.51	−22 5.3	2.166	3.136	6.6	20.9
6 30	19 17.85	−22 18.9	2.125	3.132	3.1	20.6
7 10	19 9.45	−22 32.2	2.111	3.127	0.6	20.4
7 20	19 1.12	−22 43.7	2.125	3.122	4.3	20.7
7 30	18 53.72	−22 52.4	2.166	3.118	7.8	20.9
8 9	18 47.95	−22 58.0	2.232	3.113	10.9	21.1

472750 2015 FZ_{101} 7 8.3 57.°51 4.°1/ 9.2 17

5 31	19 38.07	−13 45.6	1.643	2.468	16.8	20.7
6 10	19 33.81	−13 5.6	1.577	2.480	13.5	20.5
6 20	19 27.09	−12 34.8	1.531	2.492	9.7	20.3
6 30	19 18.59	−12 14.2	1.509	2.505	6.0	20.2
7 10	19 9.32	−12 3.9	1.511	2.518	4.2	20.1
7 20	19 0.36	−12 3.3	1.539	2.531	6.5	20.2
7 30	18 52.78	−12 10.8	1.592	2.544	10.1	20.5
8 9	18 47.37	−12 24.4	1.668	2.557	13.5	20.7

30196 2000 GB_{102} 7 8.3 313.°90 5.°3/ 7.5 18

5 31	19 38.32	−31 16.9	1.140	2.009	19.9	18.0
6 10	19 36.21	−31 44.3	1.055	1.986	16.0	17.7
6 20	19 30.09	−32 10.1	0.987	1.964	11.5	17.3
6 30	19 20.51	−32 27.2	0.939	1.942	7.0	17.0
7 10	19 8.87	−32 28.1	0.913	1.921	5.5	16.9
7 20	18 57.10	−32 8.6	0.908	1.901	9.4	17.0
7 30	18 47.34	−31 29.6	0.924	1.882	14.7	17.2
8 9	18 41.21	−30 36.2	0.959	1.863	19.7	17.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
94187	2001 AF_{52}		7 8.3	183.°09	6.°7/ 4.2	18
	h m	° ′			°	m
5 31	19 43.06	−43 36.5	2.955	3.743	11.0	19.9
6 10	19 37.49	−45 3.1	2.879	3.743	9.3	19.8
6 20	19 29.59	−46 23.6	2.827	3.743	7.8	19.7
6 30	19 19.84	−47 32.2	2.801	3.743	6.8	19.6
7 10	19 9.04	−48 24.2	2.803	3.742	6.9	19.6
7 20	18 58.16	−48 56.8	2.831	3.741	8.0	19.7
7 30	18 48.26	−49 10.0	2.884	3.739	9.6	19.8
8 9	18 40.21	−49 6.1	2.960	3.737	11.2	19.9
39650	1995 SD_{44}		7 8.3	185.°44	1.°2/ 8.7	18
5 31	19 38.06	−18 38.3	1.975	2.799	14.4	19.7
6 10	19 33.64	−18 37.9	1.892	2.799	11.4	19.5
6 20	19 26.96	−18 43.5	1.830	2.799	7.8	19.3
6 30	19 18.57	−18 53.8	1.793	2.798	3.9	19.1
7 10	19 9.32	−19 6.9	1.782	2.798	1.3	18.9
7 20	19 0.20	−19 21.1	1.799	2.797	4.9	19.1
7 30	18 52.20	−19 35.1	1.842	2.796	8.8	19.4
8 9	18 46.11	−19 47.9	1.909	2.795	12.3	19.6
169973	2002 TK_{172}		7 8.3	275.°11	4.°3/ 8.9	18
5 31	19 37.52	−12 49.5	2.081	2.889	14.4	19.5
6 10	19 33.19	−12 3.5	1.978	2.870	11.7	19.3
6 20	19 26.69	−11 23.8	1.897	2.851	8.6	19.1
6 30	19 18.48	−10 51.7	1.840	2.832	5.6	18.8
7 10	19 9.33	−10 28.3	1.810	2.812	4.3	18.7
7 20	19 0.14	−10 14.0	1.806	2.792	6.3	18.8
7 30	18 51.87	−10 8.6	1.829	2.773	9.5	19.0
8 9	18 45.34	−10 10.9	1.875	2.753	12.8	19.1
472906	2015 FR_{341}		7 8.3	22.°60	4.°0/ 8.7	17
5 31	19 38.46	−16 39.8	1.494	2.331	17.6	19.4
6 10	19 34.42	−15 35.4	1.425	2.336	14.1	19.2
6 20	19 27.66	−14 36.4	1.375	2.342	10.0	19.0
6 30	19 18.91	−13 44.7	1.349	2.349	5.9	18.8
7 10	19 9.28	−13 1.8	1.347	2.356	4.1	18.7
7 20	18 59.99	−12 28.8	1.370	2.363	6.9	18.9
7 30	18 52.22	−12 6.0	1.418	2.372	10.9	19.1
8 9	18 46.84	−11 52.5	1.487	2.380	14.6	19.4
349318	2007 UV_{101}		7 8.3	340.°84	0.°8/ 8.1	17
5 31	19 29.82	−22 17.8	0.979	1.867	20.9	19.7
6 10	19 29.45	−22 33.8	0.906	1.851	16.5	19.4
6 20	19 25.40	−22 58.7	0.850	1.836	11.3	19.1
6 30	19 18.27	−23 29.1	0.813	1.823	5.3	18.7
7 10	19 9.38	−24 0.1	0.795	1.812	1.5	18.4
7 20	19 0.48	−24 26.6	0.799	1.802	7.7	18.7
7 30	18 53.51	−24 45.4	0.822	1.794	13.8	19.0
8 9	18 49.90	−24 55.8	0.862	1.788	19.1	19.3
3752	Camillo		7 8.3	168.°05	30.°4/ 5.5	18 R
5 31	20 17.46	+51 7.7	1.462	1.807	34.1	18.8
6 10	20 6.53	+52 14.2	1.409	1.819	33.7	18.7
6 20	19 50.16	+52 33.8	1.354	1.828	33.2	18.7
6 30	19 29.56	+51 48.3	1.299	1.835	32.5	18.6
7 10	19 7.19	+49 41.8	1.249	1.839	31.7	18.5
7 20	18 46.02	+46 5.8	1.209	1.840	31.0	18.4
7 30	18 28.62	+41 3.4	1.183	1.839	30.5	18.3
8 9	18 16.38	+34 51.5	1.175	1.835	30.4	18.3
119545	2001 VY_{26}		7 8.3	271.°39	3.°0/ 7.4	18
5 31	19 39.44	−27 21.8	1.712	2.553	15.6	19.4
6 10	19 35.43	−28 3.7	1.629	2.545	12.3	19.1
6 20	19 28.59	−28 48.3	1.565	2.538	8.5	18.9
6 30	19 19.49	−29 30.6	1.526	2.530	4.6	18.6
7 10	19 9.16	−30 5.5	1.512	2.523	3.2	18.5
7 20	18 58.87	−30 29.2	1.524	2.515	6.6	18.7
7 30	18 49.93	−30 40.4	1.561	2.507	10.7	18.9
8 9	18 43.42	−30 40.3	1.621	2.500	14.4	19.2
338586	2003 ST_{139}		7 8.3	226.°22	7.°0/10.5	18
5 31	19 35.56	− 3 30.1	2.079	2.858	15.3	20.9
6 10	19 31.53	− 2 51.2	1.993	2.854	12.9	20.7
6 20	19 25.47	− 2 26.2	1.926	2.849	10.4	20.6
6 30	19 17.88	− 2 17.7	1.882	2.845	8.1	20.4
7 10	19 9.50	− 2 26.7	1.862	2.840	7.0	20.3
7 20	19 1.15	− 2 52.6	1.869	2.834	7.9	20.4
7 30	18 53.72	− 3 32.8	1.901	2.829	10.2	20.5
8 9	18 47.96	− 4 23.8	1.956	2.823	12.8	20.7
494841	2007 XC_{16}		7 8.3	286.°64	4.°2/ 6.6	18
5 31	19 40.08	−30 20.0	2.061	2.889	13.8	21.3
6 10	19 35.87	−31 18.2	1.949	2.857	11.0	21.0
6 20	19 28.96	−32 19.0	1.859	2.825	7.9	20.8
6 30	19 19.75	−33 17.0	1.795	2.792	5.0	20.5
7 10	19 9.08	−34 6.4	1.757	2.759	4.4	20.4
7 20	18 58.07	−34 42.7	1.746	2.726	7.1	20.5
7 30	18 48.00	−35 3.6	1.761	2.692	10.7	20.7
8 9	18 40.03	−35 9.8	1.798	2.658	14.1	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
94173	2001 AP_{30}		7 8.3	95.°69	0.°0/ 8.2	18
	h m	° ′			°	m
5 31	19 45.40	−25 29.6	1.861	2.684	15.2	18.3
6 10	19 39.29	−24 43.3	1.785	2.692	11.9	18.1
6 20	19 30.64	−23 54.6	1.731	2.700	8.1	17.9
6 30	19 20.21	−23 2.5	1.702	2.709	3.8	17.7
7 10	19 9.06	−22 7.1	1.700	2.717	0.7	17.5
7 20	18 58.35	−21 10.0	1.728	2.725	5.2	17.8
7 30	18 49.16	−20 13.6	1.782	2.733	9.2	18.1
8 9	18 42.27	−19 20.1	1.860	2.741	12.8	18.3
185461	2007 BK_1		7 8.3	149.°02	1.°1/ 7.9	18
5 31	19 36.30	−23 54.6	2.555	3.375	11.6	20.6
6 10	19 31.83	−24 27.0	2.473	3.380	9.1	20.4
6 20	19 25.52	−25 2.2	2.414	3.384	6.1	20.2
6 30	19 17.85	−25 37.6	2.382	3.388	2.9	20.0
7 10	19 9.51	−26 10.4	2.378	3.392	1.3	19.9
7 20	19 1.26	−26 38.4	2.402	3.396	4.2	20.1
7 30	18 53.88	−27 0.4	2.454	3.399	7.3	20.3
8 9	18 48.02	−27 16.2	2.531	3.403	10.1	20.5
256466	2007 DF_{23}		7 8.3	121.°79	0.°9/ 8.0	18
5 31	19 36.74	−24 42.8	2.573	3.392	11.6	21.5
6 10	19 32.07	−24 54.4	2.494	3.401	9.0	21.3
6 20	19 25.61	−25 7.2	2.439	3.409	6.0	21.2
6 30	19 17.86	−25 19.1	2.411	3.417	2.9	21.0
7 10	19 9.53	−25 28.3	2.410	3.425	1.1	20.8
7 20	19 1.35	−25 33.5	2.438	3.433	4.1	21.1
7 30	18 54.10	−25 34.3	2.493	3.440	7.2	21.3
8 9	18 48.38	−25 30.8	2.573	3.447	9.9	21.5
102722	1999 VL_{99}		7 8.3	148.°58	1.°0/ 8.6	17
5 31	19 37.64	−18 53.3	1.964	2.789	14.5	20.8
6 10	19 33.32	−18 57.2	1.883	2.791	11.4	20.6
6 20	19 26.75	−19 7.1	1.824	2.794	7.8	20.4
6 30	19 18.49	−19 21.5	1.790	2.795	3.8	20.2
7 10	19 9.40	−19 38.5	1.782	2.797	1.2	20.0
7 20	19 0.44	−19 56.1	1.801	2.799	4.9	20.2
7 30	18 52.61	−20 12.7	1.847	2.801	8.7	20.5
8 9	18 46.69	−20 27.6	1.916	2.802	12.2	20.7
483634	2004 TS_{300}		7 8.3	286.°17	7.°3/ 5.2	18
5 31	19 42.27	−42 57.7	2.457	3.259	12.6	21.7
6 10	19 37.39	−43 57.6	2.357	3.233	10.7	21.5
6 20	19 29.81	−44 51.0	2.279	3.207	8.8	21.3
6 30	19 20.06	−45 31.7	2.225	3.181	7.5	21.2
7 10	19 9.05	−45 54.4	2.197	3.154	7.5	21.1
7 20	18 57.94	−45 56.0	2.194	3.127	8.8	21.2
7 30	18 47.97	−45 36.6	2.216	3.101	10.9	21.3
8 9	18 40.21	−44 59.3	2.261	3.074	13.2	21.4
87602	2000 RS_{38}		7 8.3	284.°92	3.°9/ 7.6	18
5 31	19 43.78	−32 2.1	1.897	2.724	14.8	19.1
6 10	19 38.93	−32 19.1	1.785	2.692	12.0	18.8
6 20	19 31.08	−32 33.2	1.694	2.659	8.6	18.6
6 30	19 20.74	−32 39.4	1.627	2.626	5.2	18.3
7 10	19 8.91	−32 33.2	1.586	2.592	4.1	18.1
7 20	18 56.87	−32 12.0	1.572	2.558	7.0	18.2
7 30	18 46.06	−31 36.3	1.584	2.524	11.0	18.4
8 9	18 37.70	−30 49.4	1.619	2.489	14.9	18.6
314078	2005 CZ_{22}		7 8.3	162.°70	4.°4/ 7.3	17
5 31	19 45.10	−31 34.2	1.714	2.544	16.0	20.8
6 10	19 39.79	−32 14.0	1.640	2.549	12.7	20.6
6 20	19 31.44	−32 51.9	1.587	2.553	9.0	20.3
6 30	19 20.76	−33 21.8	1.558	2.556	5.6	20.1
7 10	19 8.94	−33 38.5	1.555	2.559	4.6	20.1
7 20	18 57.38	−33 39.5	1.578	2.561	7.3	20.3
7 30	18 47.47	−33 25.2	1.626	2.563	11.0	20.5
8 9	18 40.24	−32 59.0	1.697	2.564	14.4	20.7
98317	2000 SR_{262}		7 8.3	173.°36	2.°4/ 7.6	18
5 31	19 42.58	−25 25.6	1.682	2.516	16.1	19.7
6 10	19 37.81	−26 11.8	1.605	2.519	12.6	19.5
6 20	19 30.13	−27 2.1	1.548	2.520	8.6	19.2
6 30	19 20.19	−27 51.6	1.516	2.522	4.4	19.0
7 10	19 9.06	−28 34.8	1.510	2.523	2.7	18.9
7 20	18 58.04	−29 7.6	1.531	2.523	6.4	19.1
7 30	18 48.49	−29 28.5	1.577	2.523	10.6	19.4
8 9	18 41.44	−29 38.3	1.645	2.522	14.3	19.6
387777	2003 UK_{44}		7 8.3	271.°83	6.°7/10.1	16
5 31	19 35.32	− 5 25.7	1.958	2.749	15.7	21.3
6 10	19 31.54	− 4 44.2	1.867	2.739	13.2	21.1
6 20	19 25.60	− 4 15.9	1.796	2.729	10.4	20.9
6 30	19 18.00	− 4 3.2	1.747	2.718	7.9	20.7
7 10	19 9.50	− 4 7.4	1.724	2.708	6.7	20.7
7 20	19 0.99	− 4 28.0	1.726	2.698	7.9	20.7
7 30	18 53.43	− 5 3.0	1.752	2.687	10.5	20.8
8 9	18 47.63	− 5 48.6	1.802	2.676	13.4	21.0

492297 2013 YJ_{148} 7 8.3 234.°90 1.°1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.84	−18 52.2	2.390	3.199	12.7	22.1
6 10	19 34.78	−18 49.4	2.284	3.183	10.1	21.9
6 20	19 27.66	−18 51.0	2.201	3.166	6.9	21.6
6 30	19 18.94	−18 56.1	2.144	3.148	3.5	21.4
7 10	19 9.32	−19 3.2	2.114	3.130	1.2	21.2
7 20	18 59.65	−19 11.0	2.114	3.110	4.5	21.4
7 30	18 50.82	−19 18.6	2.142	3.090	8.1	21.6
8 9	18 43.63	−19 25.4	2.194	3.069	11.3	21.7

284609 2007 TH_{444} 7 8.3 335.°47 1.°1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.10	−20 28.2	1.533	2.381	16.7	20.5
6 10	19 32.10	−20 11.6	1.449	2.370	13.2	20.2
6 20	19 26.35	−19 59.7	1.384	2.359	9.1	20.0
6 30	19 18.45	−19 51.5	1.342	2.350	4.4	19.7
7 10	19 9.42	−19 45.7	1.325	2.341	1.4	19.4
7 20	19 0.47	−19 41.1	1.332	2.332	5.9	19.7
7 30	18 52.88	−19 37.0	1.364	2.325	10.5	20.0
8 9	18 47.64	−19 33.1	1.416	2.318	14.7	20.2

256927 2008 EU_{21} 7 8.4 321.°51 5.°5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.96	− 7 17.5	2.086	2.885	14.6	20.4
6 10	19 29.56	− 6 50.8	1.997	2.877	12.1	20.2
6 20	19 24.18	− 6 36.2	1.928	2.869	9.3	20.0
6 30	19 17.31	− 6 35.3	1.882	2.862	6.7	19.9
7 10	19 9.66	− 6 48.5	1.862	2.854	5.5	19.8
7 20	19 2.03	− 7 14.6	1.867	2.847	6.7	19.8
7 30	18 55.29	− 7 51.5	1.898	2.840	9.4	20.0
8 9	18 50.16	− 8 35.9	1.953	2.833	12.2	20.1

136940 1998 QG_{45} 7 8.4 294.°40 2.°2/ 8.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.75	−18 10.1	1.520	2.361	17.2	19.6
6 10	19 34.41	−17 52.1	1.422	2.337	13.8	19.3
6 20	19 28.12	−17 40.7	1.342	2.314	9.7	19.0
6 30	19 19.40	−17 35.7	1.285	2.290	5.1	18.7
7 10	19 9.22	−17 35.8	1.253	2.267	2.3	18.4
7 20	18 58.85	−17 39.7	1.245	2.244	6.4	18.6
7 30	18 49.74	−17 46.1	1.261	2.220	11.4	18.8
8 9	18 43.08	−17 54.2	1.299	2.197	16.0	19.0

97388 2000 AU_{90} 7 8.4 154.°85 2.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.89	−14 13.1	2.228	3.037	13.5	19.9
6 10	19 32.44	−14 29.8	2.145	3.041	10.7	19.7
6 20	19 26.03	−14 55.7	2.085	3.046	7.5	19.6
6 30	19 18.14	−15 29.7	2.049	3.050	4.1	19.4
7 10	19 9.51	−16 9.6	2.041	3.054	2.1	19.2
7 20	19 0.97	−16 52.8	2.061	3.057	4.6	19.4
7 30	18 53.36	−17 36.9	2.109	3.060	8.0	19.6
8 9	18 47.40	−18 19.6	2.181	3.063	11.1	19.8

228621 2002 CT_{82} 7 8.4 139.°48 1.°4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.88	−25 10.0	2.078	2.902	13.8	21.2
6 10	19 35.75	−25 31.9	2.003	2.911	10.8	21.0
6 20	19 28.33	−25 55.6	1.950	2.920	7.3	20.8
6 30	19 19.22	−26 18.0	1.922	2.928	3.5	20.6
7 10	19 9.31	−26 36.0	1.922	2.936	1.6	20.5
7 20	18 59.62	−26 47.6	1.950	2.944	5.0	20.7
7 30	18 51.13	−26 52.2	2.004	2.951	8.6	21.0
8 9	18 44.63	−26 50.5	2.083	2.958	11.8	21.2

192359 1995 VY_7 7 8.4 17.°95 2.°0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.76	−25 8.8	1.499	2.351	16.8	20.0
6 10	19 33.46	−25 40.4	1.431	2.355	13.2	19.8
6 20	19 27.26	−26 15.7	1.382	2.359	8.9	19.6
6 30	19 18.86	−26 50.4	1.356	2.364	4.4	19.3
7 10	19 9.39	−27 19.8	1.355	2.369	2.3	19.2
7 20	19 0.14	−27 40.6	1.379	2.375	6.3	19.5
7 30	18 52.45	−27 51.6	1.427	2.382	10.7	19.7
8 9	18 47.28	−27 53.6	1.496	2.389	14.6	20.0

505962 2015 FA_{287} 7 8.4 58.°04 1.°1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.53	−20 32.6	1.674	2.511	16.1	20.5
6 10	19 34.38	−21 38.5	1.613	2.529	12.5	20.3
6 20	19 27.65	−22 52.9	1.573	2.547	8.3	20.1
6 30	19 18.97	−24 10.8	1.558	2.566	3.9	19.9
7 10	19 9.38	−25 26.3	1.569	2.584	1.5	19.7
7 20	19 0.02	−26 33.9	1.607	2.603	5.6	20.1
7 30	18 52.05	−27 30.6	1.671	2.622	9.7	20.3
8 9	18 46.35	−28 15.4	1.758	2.641	13.3	20.6

135644 2002 JZ_{109} 7 8.4 18.°17 0.°8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.09	−21 53.4	1.333	2.184	18.6	19.5
6 10	19 36.26	−21 31.0	1.263	2.185	14.7	19.2
6 20	19 29.25	−21 12.1	1.211	2.187	10.0	19.0
6 30	19 19.81	−20 55.4	1.182	2.189	4.7	18.7
7 10	19 9.22	−20 39.3	1.176	2.192	1.2	18.4
7 20	18 58.96	−20 23.1	1.195	2.195	6.4	18.8
7 30	18 50.45	−20 7.0	1.237	2.198	11.4	19.1
8 9	18 44.74	−19 51.6	1.301	2.202	15.8	19.3

352161 2007 RJ_7 7 8.4 292.°90 5.°2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.39	− 8 42.4	1.928	2.733	15.4	21.1
6 10	19 31.90	− 8 25.4	1.816	2.703	12.8	20.8
6 20	19 26.10	− 8 21.1	1.725	2.673	9.8	20.6
6 30	19 18.38	− 8 31.1	1.656	2.643	6.7	20.3
7 10	19 9.48	− 8 55.8	1.613	2.612	5.2	20.2
7 20	19 0.33	− 9 33.8	1.595	2.581	6.9	20.2
7 30	18 52.00	−10 22.8	1.603	2.551	10.3	20.3
8 9	18 45.45	−11 18.8	1.634	2.520	14.0	20.5

366358 1999 WX_{25} 7 8.4 275.°25 1.°2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.49	−19 9.1	1.643	2.477	16.4	22.0
6 10	19 35.59	−19 6.0	1.542	2.455	13.1	21.8
6 20	19 28.84	−19 9.7	1.461	2.433	9.1	21.5
6 30	19 19.73	−19 18.8	1.404	2.410	4.5	21.1
7 10	19 9.21	−19 31.4	1.371	2.387	1.4	20.9
7 20	18 58.51	−19 45.1	1.365	2.364	6.0	21.1
7 30	18 48.99	−19 58.3	1.383	2.340	10.8	21.3
8 9	18 41.81	−20 10.1	1.424	2.316	15.2	21.5

472436 2015 BW_{300} 7 8.4 5.°02 7.°9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 30.85	− 3 20.1	1.325	2.147	20.2	19.9
6 10	19 28.91	− 3 10.8	1.256	2.147	17.0	19.7
6 20	19 24.26	− 3 25.9	1.204	2.148	13.4	19.4
6 30	19 17.51	− 4 7.9	1.171	2.150	10.0	19.3
7 10	19 9.68	− 5 16.0	1.161	2.153	8.0	19.2
7 20	19 1.98	− 6 45.5	1.173	2.158	9.0	19.2
7 30	18 55.65	− 8 28.9	1.208	2.163	12.2	19.4
8 9	18 51.66	−10 17.7	1.264	2.170	15.8	19.7

467741 2009 ST_{21} 7 8.4 336.°97 10.°0/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 28.85	−10 38.9	1.045	1.911	21.5	20.0
6 10	19 28.26	− 8 44.8	0.963	1.885	18.1	19.7
6 20	19 24.41	− 6 57.0	0.898	1.862	14.4	19.4
6 30	19 17.81	− 5 23.1	0.852	1.839	11.1	19.2
7 10	19 9.60	− 4 10.9	0.825	1.819	10.0	19.0
7 20	19 1.27	− 3 26.1	0.818	1.801	12.3	19.1
7 30	18 54.48	− 3 10.3	0.830	1.785	16.3	19.2
8 9	18 50.61	− 3 20.3	0.858	1.771	20.6	19.4

341279 2007 RV_{284} 7 8.4 63.°35 1.°8/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.52	−16 44.8	1.911	2.736	14.8	21.5
6 10	19 32.51	−16 45.0	1.832	2.739	11.7	21.3
6 20	19 26.25	−16 52.9	1.774	2.741	8.1	21.1
6 30	19 18.31	−17 7.5	1.740	2.744	4.2	20.9
7 10	19 9.55	−17 27.1	1.733	2.747	1.9	20.7
7 20	19 0.92	−17 49.6	1.752	2.750	5.1	20.9
7 30	18 53.41	−18 13.1	1.798	2.753	8.9	21.2
8 9	18 47.81	−18 36.1	1.867	2.756	12.3	21.4

87548 2000 QC_{222} 7 8.4 303.°45 6.°6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.84	−34 14.3	1.563	2.408	16.6	19.2
6 10	19 36.63	−35 16.1	1.466	2.381	13.6	18.9
6 20	19 30.01	−36 17.5	1.389	2.354	10.2	18.6
6 30	19 20.45	−37 10.8	1.335	2.327	7.3	18.4
7 10	19 9.07	−37 48.0	1.305	2.300	6.9	18.3
7 20	18 57.41	−38 3.4	1.298	2.273	9.5	18.4
7 30	18 47.24	−37 55.9	1.315	2.247	13.4	18.5
8 9	18 40.00	−37 28.8	1.351	2.221	17.3	18.7

250356 2003 SF_{252} 7 8.4 270.°16 4.°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.19	−30 56.4	1.697	2.532	16.0	20.6
6 10	19 38.90	−31 53.0	1.596	2.508	12.8	20.4
6 20	19 31.36	−32 51.7	1.516	2.482	9.3	20.1
6 30	19 21.03	−33 45.8	1.459	2.457	5.9	19.8
7 10	19 8.97	−34 28.1	1.428	2.431	5.1	19.7
7 20	18 56.59	−34 53.5	1.422	2.404	8.2	19.8
7 30	18 45.53	−35 0.0	1.441	2.377	12.3	20.0
8 9	18 37.15	−34 50.0	1.482	2.349	16.2	20.2

480225 2015 GO_{36} 7 8.4 355.°41 11.°0/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 27.75	+ 0 35.7	1.304	2.119	20.9	19.4
6 10	19 26.56	+ 1 24.2	1.234	2.111	18.2	19.2
6 20	19 22.73	+ 1 47.5	1.179	2.105	15.3	19.0
6 30	19 16.83	+ 1 40.2	1.142	2.100	12.6	18.8
7 10	19 9.84	+ 1 0.0	1.125	2.097	11.1	18.8
7 20	19 2.92	− 0 11.1	1.129	2.096	11.6	18.8
7 30	18 57.30	− 1 46.9	1.154	2.097	13.9	18.9
8 9	18 53.97	− 3 38.1	1.199	2.099	16.9	19.1

242870 2006 HP_{47} 7 8.4 116.°96 2.°2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.42	−26 3.7	1.951	2.782	14.3	20.7
6 10	19 34.88	−26 42.1	1.876	2.789	11.2	20.5
6 20	19 27.91	−27 22.9	1.824	2.795	7.6	20.3
6 30	19 19.11	−28 2.0	1.796	2.801	3.9	20.1
7 10	19 9.42	−28 35.3	1.795	2.808	2.4	20.0
7 20	18 59.89	−29 0.0	1.822	2.814	5.6	20.2
7 30	18 51.60	−29 15.0	1.874	2.820	9.2	20.4
8 9	18 45.40	−29 20.9	1.950	2.825	12.5	20.6

497196 2004 TJ_{184} 7 8.4 217.°58 1.°1/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.84	−19 22.1	1.650	2.479	16.6	22.0
6 10	19 37.21	−19 19.5	1.563	2.473	13.1	21.8
6 20	19 29.76	−19 23.3	1.497	2.467	9.0	21.5
6 30	19 20.09	−19 31.9	1.454	2.460	4.4	21.3
7 10	19 9.23	−19 43.0	1.437	2.452	1.3	21.0
7 20	18 58.43	−19 54.5	1.446	2.444	5.8	21.3
7 30	18 48.98	−20 5.0	1.481	2.436	10.4	21.5
8 9	18 41.92	−20 14.0	1.538	2.427	14.5	21.8

510135 2010 UY_{69} 7 8.4 258.°57 9.°3/ 2.5 18

5 31	19 45.55	−49 13.2	2.565	3.343	12.8	20.9
6 10	19 40.38	−50 56.8	2.488	3.332	11.2	20.8
6 20	19 32.14	−52 31.8	2.433	3.321	10.0	20.7
6 30	19 21.34	−53 50.4	2.403	3.310	9.3	20.6
7 10	19 8.96	−54 46.1	2.397	3.299	9.6	20.6
7 20	18 56.36	−55 15.7	2.415	3.288	10.6	20.7
7 30	18 45.03	−55 19.0	2.456	3.276	12.1	20.8
8 9	18 36.21	−55 0.0	2.516	3.265	13.7	20.9

77284 2001 FD_{65} 7 8.4 175.°48 0.°0/ 8.2 18

5 31	19 40.55	−20 14.9	1.736	2.566	15.9	20.1
6 10	19 36.03	−20 42.2	1.656	2.567	12.5	19.9
6 20	19 28.86	−21 17.0	1.597	2.569	8.4	19.6
6 30	19 19.63	−21 56.1	1.562	2.570	3.9	19.4
7 10	19 9.34	−22 35.8	1.554	2.570	0.8	19.1
7 20	18 59.15	−23 12.5	1.572	2.570	5.5	19.5
7 30	18 50.26	−23 43.7	1.616	2.570	9.8	19.7
8 9	18 43.63	−24 8.8	1.683	2.569	13.6	20.0

497245 2005 FH 7 8.4 184.°16 6.°1/12.3 17

5 31	19 37.24	+ 6 1.6	3.785	4.467	10.5	24.2
6 10	19 31.82	+ 6 12.7	3.688	4.467	9.2	24.1
6 20	19 25.20	+ 6 11.4	3.613	4.467	7.9	24.0
6 30	19 17.69	+ 5 56.3	3.562	4.466	6.7	23.9
7 10	19 9.75	+ 5 27.3	3.539	4.463	6.1	23.9
7 20	19 1.83	+ 4 45.0	3.544	4.460	6.3	23.9
7 30	18 54.43	+ 3 51.3	3.577	4.456	7.3	23.9
8 9	18 47.98	+ 2 48.7	3.637	4.451	8.6	24.0

429685 2011 HA_{25} 7 8.4 28.°51 6.°1/10.1 17

5 31	19 34.68	− 8 59.2	1.461	2.288	18.5	20.3
6 10	19 31.55	− 8 25.1	1.397	2.296	15.1	20.1
6 20	19 25.82	− 8 6.4	1.352	2.306	11.4	19.9
6 30	19 18.18	− 8 4.9	1.328	2.316	7.8	19.7
7 10	19 9.65	− 8 20.6	1.327	2.326	6.1	19.6
7 20	19 1.38	− 8 51.3	1.350	2.338	7.8	19.7
7 30	18 54.50	− 9 33.4	1.397	2.350	11.1	20.0
8 9	18 49.87	−10 22.5	1.465	2.362	14.6	20.2

206301 2003 FH_{21} 7 8.4 356.°49 4.°7/ 7.0 17

5 31	19 33.29	−26 50.2	0.995	1.880	20.8	19.1
6 10	19 32.27	−27 57.8	0.933	1.875	16.5	18.8
6 20	19 27.37	−29 12.5	0.888	1.871	11.5	18.5
6 30	19 19.25	−30 25.7	0.863	1.869	6.5	18.2
7 10	19 9.41	−31 27.8	0.858	1.868	5.1	18.2
7 20	18 59.73	−32 11.4	0.874	1.869	9.4	18.4
7 30	18 52.19	−32 33.5	0.910	1.870	14.5	18.7
8 9	18 48.20	−32 36.4	0.964	1.874	19.2	19.0

439408 2013 CF_{17} 7 8.4 279.°99 1.°8/ 7.9 18

5 31	19 38.42	−27 42.4	2.203	3.030	13.0	20.6
6 10	19 33.89	−27 46.6	2.114	3.023	10.2	20.4
6 20	19 27.15	−27 50.0	2.046	3.016	7.0	20.2
6 30	19 18.76	−27 50.0	2.004	3.009	3.6	19.9
7 10	19 9.54	−27 44.4	1.988	3.001	2.0	19.8
7 20	19 0.44	−27 31.9	2.001	2.994	5.0	20.0
7 30	18 52.42	−27 13.0	2.040	2.987	8.5	20.2
8 9	18 46.26	−26 48.8	2.103	2.980	11.7	20.4

2994 Flynn 7 8.4 336.°51 2.°6/ 7.9 18

5 31	19 32.17	−26 14.9	1.116	1.995	19.5	16.6
6 10	19 31.10	−26 33.4	1.037	1.976	15.5	16.3
6 20	19 26.46	−26 55.3	0.975	1.958	10.7	16.0
6 30	19 18.83	−27 16.0	0.933	1.942	5.4	15.6
7 10	19 9.50	−27 30.1	0.912	1.927	2.9	15.4
7 20	19 0.14	−27 33.8	0.913	1.913	7.9	15.7
7 30	18 52.59	−27 26.0	0.935	1.901	13.4	15.9
8 9	18 48.26	−27 8.4	0.975	1.891	18.4	16.2

33308 1998 KR_{53} 7 8.4 20.°51 0.°4/ 8.6 18

5 31	19 35.55	−17 44.4	2.234	3.053	13.1	17.6
6 10	19 31.56	−18 26.5	2.148	3.054	10.3	17.4
6 20	19 25.56	−19 17.0	2.085	3.054	7.0	17.2
6 30	19 18.03	−20 13.4	2.048	3.054	3.3	17.0
7 10	19 9.69	−21 12.5	2.038	3.054	0.7	16.8
7 20	19 1.38	−22 10.6	2.057	3.055	4.4	17.1
7 30	18 53.96	−23 4.8	2.103	3.055	8.0	17.3
8 9	18 48.18	−23 53.2	2.173	3.055	11.1	17.5

511470 2014 KN_{86} 7 8.4 358.°14 1.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.15	−16 26.1	1.728	2.567	15.5	19.7
6 10	19 29.47	−16 58.5	1.649	2.564	12.3	19.5
6 20	19 24.43	−17 42.0	1.590	2.562	8.4	19.2
6 30	19 17.58	−18 34.8	1.555	2.561	4.2	19.0
7 10	19 9.78	−19 33.0	1.545	2.560	1.3	18.8
7 20	19 2.03	−20 32.5	1.561	2.561	5.2	19.0
7 30	18 55.40	−21 29.5	1.602	2.562	9.3	19.3
8 9	18 50.75	−22 21.2	1.666	2.564	13.1	19.5

264192 2010 GQ_{97} 7 8.4 350.°88 1.°4/ 8.0 16

5 31	19 36.99	−24 55.4	1.716	2.559	15.5	20.6
6 10	19 33.35	−25 12.1	1.637	2.556	12.1	20.3
6 20	19 27.09	−25 31.5	1.579	2.554	8.2	20.1
6 30	19 18.82	−25 50.3	1.545	2.552	4.0	19.8
7 10	19 9.54	−26 5.3	1.536	2.550	1.7	19.7
7 20	19 0.42	−26 14.1	1.552	2.549	5.7	19.9
7 30	18 52.62	−26 15.9	1.594	2.549	9.8	20.2
8 9	18 47.06	−26 11.3	1.659	2.548	13.6	20.4

505949 2015 FM_{148} 7 8.4 67.°50 6.°7/ 6.3 17

5 31	19 42.30	−36 19.0	1.749	2.581	15.7	20.7
6 10	19 37.85	−37 26.5	1.680	2.584	12.7	20.5
6 20	19 30.31	−38 29.5	1.632	2.588	9.6	20.4
6 30	19 20.38	−39 20.7	1.607	2.591	7.2	20.2
7 10	19 9.24	−39 53.7	1.608	2.594	6.9	20.2
7 20	18 58.31	−40 5.2	1.633	2.598	8.9	20.3
7 30	18 49.02	−39 55.8	1.682	2.601	11.8	20.5
8 9	18 42.43	−39 29.3	1.753	2.605	14.8	20.7

260284 2004 TG_{39} 7 8.4 270.°71 0.°3/ 8.3 18

5 31	19 35.59	−22 24.0	2.498	3.319	11.9	21.5
6 10	19 31.47	−22 37.2	2.397	3.304	9.3	21.3
6 20	19 25.45	−22 53.5	2.319	3.289	6.3	21.1
6 30	19 17.98	−23 11.3	2.267	3.274	2.9	20.9
7 10	19 9.72	−23 28.4	2.242	3.258	0.7	20.6
7 20	19 1.44	−23 43.1	2.246	3.243	4.2	20.9
7 30	18 53.95	−23 54.4	2.277	3.227	7.6	21.1
8 9	18 47.98	−24 1.9	2.333	3.211	10.6	21.2

329969 2005 SJ_{36} 7 8.4 324.°87 0.°8/ 8.2 17

5 31	19 34.87	−23 10.2	1.300	2.162	18.3	20.9
6 10	19 32.68	−23 20.6	1.214	2.144	14.5	20.6
6 20	19 27.24	−23 36.5	1.147	2.127	9.9	20.3
6 30	19 19.13	−23 54.9	1.101	2.110	4.7	19.9
7 10	19 9.47	−24 12.0	1.078	2.094	1.3	19.7
7 20	18 59.75	−24 24.4	1.078	2.079	6.8	20.0
7 30	18 51.58	−24 30.4	1.101	2.065	12.2	20.2
8 9	18 46.23	−24 30.2	1.144	2.052	16.9	20.5

57108 2001 OS_{74} 7 8.4 267.°24 1.°4/ 8.6 18

5 31	19 38.50	−19 55.4	2.234	3.052	13.2	17.5
6 10	19 33.86	−19 28.6	2.134	3.037	10.4	17.3
6 20	19 27.11	−19 4.3	2.056	3.023	7.2	17.1
6 30	19 18.77	−18 41.8	2.003	3.008	3.6	16.8
7 10	19 9.58	−18 20.9	1.978	2.993	1.5	16.7
7 20	19 0.42	−18 1.3	1.981	2.978	4.7	16.9
7 30	18 52.21	−17 43.2	2.011	2.962	8.3	17.1
8 9	18 45.72	−17 26.9	2.066	2.947	11.7	17.2

318511 2005 EW_{170} 7 8.4 130.°77 6.°4/ 9.8 17

5 31	19 40.70	− 8 4.0	1.707	2.508	17.3	21.0
6 10	19 35.84	− 7 15.6	1.637	2.518	14.3	20.8
6 20	19 28.54	− 6 40.0	1.585	2.528	10.9	20.6
6 30	19 19.42	− 6 19.8	1.557	2.537	7.8	20.4
7 10	19 9.46	− 6 15.6	1.554	2.546	6.4	20.4
7 20	18 59.74	− 6 26.9	1.576	2.555	7.8	20.5
7 30	18 51.33	− 6 51.2	1.624	2.563	10.9	20.7
8 9	18 45.05	− 7 25.1	1.694	2.570	14.0	20.9

73185 2002 JP 7 8.4 64.°51 4.°0/ 9.6 18

5 31	19 38.66	−12 2.5	1.351	2.185	19.3	19.2
6 10	19 34.87	−12 3.7	1.291	2.199	15.5	19.0
6 20	19 28.18	−12 20.5	1.249	2.213	11.1	18.8
6 30	19 19.33	−12 52.5	1.229	2.228	6.5	18.6
7 10	19 9.48	−13 36.8	1.232	2.242	4.0	18.5
7 20	18 59.97	−14 29.1	1.261	2.257	6.8	18.7
7 30	18 52.07	−15 25.0	1.313	2.272	11.1	19.0
8 9	18 46.73	−16 20.2	1.387	2.287	15.0	19.2

412319 2013 JT_{63} 7 8.4 3.°87 2.°2/ 7.5 17

5 31	19 27.06	−19 14.9	0.849	1.747	22.3	19.0
6 10	19 27.55	−20 43.5	0.794	1.744	17.5	18.7
6 20	19 24.26	−22 32.8	0.755	1.744	11.8	18.4
6 30	19 17.84	−24 34.8	0.735	1.746	5.5	18.1
7 10	19 9.74	−26 37.0	0.735	1.750	2.8	17.9
7 20	19 1.81	−28 26.3	0.755	1.756	8.6	18.3
7 30	18 56.00	−29 54.0	0.794	1.764	14.5	18.6
8 9	18 53.69	−30 57.1	0.850	1.775	19.5	19.0

86127 1999 RB_{154} 7 8.4 260.°33 4.°7/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.99	− 7 30.8	2.456	3.243	13.0	19.9
6 10	19 30.11	− 7 11.0	2.358	3.232	10.8	19.7
6 20	19 24.48	− 7 1.6	2.282	3.220	8.2	19.5
6 30	19 17.51	− 7 3.9	2.230	3.208	5.9	19.3
7 10	19 9.84	− 7 17.8	2.204	3.197	4.7	19.2
7 20	19 2.15	− 7 42.5	2.206	3.185	5.9	19.3
7 30	18 55.20	− 8 16.1	2.234	3.173	8.3	19.4
8 9	18 49.63	− 8 56.2	2.286	3.160	11.0	19.6

342817 2008 XQ_8 7 8.4 224.°89 3.°4/ 9.4 17

5 31	19 36.69	−12 51.9	2.000	2.812	14.7	21.6
6 10	19 32.58	−12 38.6	1.913	2.809	11.8	21.4
6 20	19 26.32	−12 34.8	1.848	2.806	8.5	21.2
6 30	19 18.42	−12 40.5	1.806	2.802	5.2	21.0
7 10	19 9.67	−12 55.2	1.791	2.799	3.4	20.8
7 20	19 0.99	−13 17.2	1.802	2.795	5.6	21.0
7 30	18 53.32	−13 44.6	1.840	2.791	9.0	21.2
8 9	18 47.44	−14 15.0	1.902	2.787	12.3	21.4

480740 2016 NA_{10} 7 8.4 344.°50 0.°8/ 8.6 17

5 31	19 36.83	−19 9.9	1.647	2.485	16.2	20.8
6 10	19 33.26	−19 20.9	1.568	2.483	12.8	20.6
6 20	19 27.07	−19 39.7	1.508	2.481	8.7	20.4
6 30	19 18.86	−20 4.2	1.472	2.479	4.2	20.1
7 10	19 9.61	−20 31.5	1.462	2.478	1.0	19.9
7 20	19 0.46	−20 58.8	1.477	2.477	5.5	20.2
7 30	18 52.60	−21 23.9	1.517	2.475	9.9	20.4
8 9	18 46.98	−21 45.5	1.580	2.475	13.8	20.7

414435 2009 DH_{112} 7 8.4 153.°23 0.°9/ 8.2 17

5 31	19 42.29	−23 33.1	1.512	2.353	17.3	21.6
6 10	19 37.78	−23 47.2	1.439	2.356	13.6	21.3
6 20	19 30.24	−24 5.3	1.384	2.359	9.2	21.1
6 30	19 20.36	−24 24.1	1.353	2.361	4.3	20.8
7 10	19 9.33	−24 39.6	1.348	2.363	1.3	20.6
7 20	18 58.52	−24 49.3	1.368	2.365	6.1	20.9
7 30	18 49.32	−24 52.3	1.412	2.367	10.8	21.2
8 9	18 42.78	−24 49.4	1.479	2.369	14.9	21.5

95060 2002 AJ_{59} 7 8.4 149.°45 2.°0/ 8.0 18

5 31	19 43.89	−28 39.6	2.078	2.898	13.9	20.0
6 10	19 38.13	−28 39.6	2.000	2.905	10.9	19.8
6 20	19 29.97	−28 37.4	1.944	2.912	7.5	19.6
6 30	19 20.07	−28 30.2	1.914	2.918	3.9	19.4
7 10	19 9.40	−28 15.8	1.911	2.924	2.2	19.3
7 20	18 59.03	−27 53.5	1.936	2.929	5.2	19.5
7 30	18 49.99	−27 24.3	1.989	2.934	8.8	19.7
8 9	18 43.07	−26 50.3	2.066	2.938	12.0	19.9

289120 2004 TT_{360} 7 8.4 344.°95 4.°2/ 9.1 17

5 31	19 32.99	−15 40.1	1.032	1.904	21.3	20.4
6 10	19 31.55	−15 5.2	0.963	1.894	17.2	20.1
6 20	19 26.62	−14 41.8	0.910	1.886	12.3	19.8
6 30	19 18.87	−14 31.6	0.875	1.879	7.1	19.5
7 10	19 9.60	−14 34.3	0.861	1.874	4.3	19.3
7 20	19 0.44	−14 48.4	0.869	1.869	8.0	19.5
7 30	18 53.10	−15 11.0	0.897	1.866	13.4	19.8
8 9	18 48.87	−15 38.5	0.943	1.864	18.4	20.1

156369 2001 XD_{253} 7 8.4 164.°23 1.°3/ 8.8 18

5 31	19 39.06	−17 19.6	2.088	2.903	14.1	21.0
6 10	19 34.34	−17 29.5	2.006	2.907	11.1	20.8
6 20	19 27.45	−17 46.5	1.945	2.911	7.6	20.6
6 30	19 18.94	−18 9.3	1.910	2.915	3.9	20.4
7 10	19 9.62	−18 35.5	1.902	2.917	1.4	20.2
7 20	19 0.41	−19 3.0	1.922	2.920	4.7	20.5
7 30	18 52.26	−19 29.9	1.969	2.922	8.4	20.7
8 9	18 45.93	−19 54.9	2.041	2.923	11.7	20.9

89705 2001 YY_{93} 7 8.4 272.°46 8.°9/ 4.7 18

5 31	19 44.06	−40 37.2	1.781	2.604	15.8	18.5
6 10	19 39.82	−42 13.0	1.700	2.592	13.3	18.3
6 20	19 32.10	−43 44.3	1.640	2.579	10.8	18.1
6 30	19 21.47	−45 1.4	1.603	2.566	9.2	18.0
7 10	19 9.10	−45 55.7	1.590	2.553	9.2	18.0
7 20	18 56.59	−46 22.0	1.601	2.540	11.0	18.0
7 30	18 45.70	−46 20.0	1.635	2.527	13.7	18.2
8 9	18 37.80	−45 54.2	1.689	2.514	16.4	18.3

444416 2006 BQ_8 7 8.4 349.°04 8.°3/ 9.6 15

5 31	19 57.87	−42 9.0	0.957	1.807	24.3	20.1
6 10	19 52.27	−41 37.0	0.891	1.804	20.2	19.8
6 20	19 41.05	−40 40.8	0.840	1.801	15.4	19.5
6 30	19 25.55	−39 9.2	0.807	1.799	10.6	19.3
7 10	19 8.42	−36 57.2	0.796	1.798	8.3	19.2
7 20	18 52.64	−34 11.5	0.807	1.797	11.0	19.3
7 30	18 40.68	−31 8.5	0.841	1.797	16.0	19.6
8 9	18 33.72	−28 6.7	0.894	1.797	21.0	19.9

249613 1999 RH_{207} 7 8.4 287.°29 1.°5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.07	−27 3.6	2.258	3.084	12.8	20.7
6 10	19 33.66	−27 4.6	2.159	3.068	10.1	20.5
6 20	19 27.08	−27 5.1	2.082	3.052	6.9	20.2
6 30	19 18.81	−27 2.7	2.030	3.036	3.4	20.0
7 10	19 9.66	−26 55.3	2.006	3.020	1.7	19.8
7 20	19 0.55	−26 41.7	2.009	3.003	4.9	20.0
7 30	18 52.43	−26 22.2	2.039	2.987	8.4	20.2
8 9	18 46.11	−25 57.9	2.093	2.971	11.7	20.4

185921 2000 SN_{298} 7 8.4 263.°84 5.°6/ 9.9 18

5 31	19 35.08	− 5 53.5	2.515	3.292	13.0	21.4
6 10	19 30.97	− 5 16.2	2.409	3.273	10.9	21.2
6 20	19 25.09	− 4 48.8	2.325	3.253	8.6	21.0
6 30	19 17.85	− 4 33.0	2.264	3.234	6.5	20.8
7 10	19 9.85	− 4 30.0	2.230	3.213	5.6	20.7
7 20	19 1.78	− 4 39.6	2.224	3.193	6.6	20.8
7 30	18 54.41	− 5 0.6	2.243	3.172	8.8	20.9
8 9	18 48.38	− 5 30.9	2.287	3.151	11.3	21.0

203717 2002 PK_{172} 7 8.4 341.°44 1.°5/ 7.9 18

5 31	19 37.21	−24 22.7	1.762	2.602	15.2	20.0
6 10	19 33.51	−24 49.8	1.682	2.600	11.9	19.8
6 20	19 27.23	−25 20.8	1.623	2.597	8.1	19.6
6 30	19 18.96	−25 52.1	1.587	2.594	3.9	19.3
7 10	19 9.66	−26 20.0	1.578	2.592	1.8	19.2
7 20	19 0.46	−26 41.4	1.594	2.590	5.6	19.4
7 30	18 52.53	−26 54.9	1.636	2.589	9.8	19.7
8 9	18 46.80	−27 0.9	1.700	2.587	13.4	19.9

198170 2004 TQ_{90} 7 8.4 294.°17 1.°5/ 8.7 18

5 31	19 37.36	−18 53.8	1.693	2.529	16.0	20.4
6 10	19 33.76	−18 43.3	1.599	2.512	12.7	20.2
6 20	19 27.52	−18 38.8	1.524	2.495	8.8	19.9
6 30	19 19.16	−18 39.5	1.473	2.478	4.5	19.6
7 10	19 9.61	−18 44.0	1.446	2.462	1.6	19.4
7 20	19 0.01	−18 50.5	1.446	2.445	5.7	19.6
7 30	18 51.58	−18 57.9	1.471	2.429	10.2	19.8
8 9	18 45.34	−19 5.3	1.518	2.413	14.3	20.0

455313 2002 GW_{107} 7 8.4 75.°90 4.°4/ 7.3 16

5 31	19 46.36	−28 52.1	1.383	2.226	18.5	21.4
6 10	19 41.07	−29 55.9	1.337	2.253	14.4	21.2
6 20	19 32.41	−30 59.8	1.310	2.281	10.0	21.0
6 30	19 21.33	−31 56.2	1.306	2.308	5.8	20.9
7 10	19 9.25	−32 38.2	1.328	2.335	4.6	20.9
7 20	18 57.80	−33 2.3	1.374	2.361	7.7	21.1
7 30	18 48.43	−33 9.0	1.445	2.387	11.7	21.4
8 9	18 42.11	−33 1.7	1.537	2.413	15.2	21.7

232565 2003 SU_{288} 7 8.4 332.°70 3.°0/ 7.4 18

5 31	19 38.15	−27 26.1	1.731	2.573	15.4	20.3
6 10	19 34.41	−28 8.7	1.652	2.569	12.1	20.1
6 20	19 27.94	−28 53.6	1.593	2.566	8.4	19.8
6 30	19 19.33	−29 36.1	1.558	2.562	4.5	19.6
7 10	19 9.60	−30 11.1	1.549	2.560	3.2	19.5
7 20	18 59.96	−30 35.3	1.566	2.557	6.4	19.7
7 30	18 51.65	−30 47.2	1.608	2.554	10.4	19.9
8 9	18 45.68	−30 48.1	1.671	2.552	14.0	20.1

479203 2013 CN_{103} 7 8.4 156.°17 1.°5/ 7.8 18

5 31	19 37.82	−26 12.1	2.619	3.437	11.5	22.2
6 10	19 33.03	−26 36.3	2.537	3.442	8.9	22.0
6 20	19 26.40	−27 1.4	2.479	3.447	6.1	21.8
6 30	19 18.43	−27 24.8	2.446	3.451	3.0	21.6
7 10	19 9.80	−27 44.0	2.443	3.456	1.7	21.5
7 20	19 1.29	−27 57.4	2.467	3.460	4.3	21.7
7 30	18 53.67	−28 4.4	2.520	3.463	7.3	21.9
8 9	18 47.60	−28 5.2	2.598	3.466	10.0	22.1

299822 2006 SB_{161} 7 8.4 305.°38 3.°4/ 7.2 18

5 31	19 37.56	−29 11.9	1.948	2.785	14.1	20.9
6 10	19 33.75	−29 54.2	1.861	2.775	11.2	20.7
6 20	19 27.40	−30 37.4	1.795	2.765	7.8	20.4
6 30	19 19.07	−31 17.0	1.753	2.755	4.6	20.2
7 10	19 9.66	−31 48.4	1.738	2.745	3.6	20.1
7 20	19 0.25	−32 8.5	1.749	2.736	6.3	20.3
7 30	18 52.02	−32 16.2	1.785	2.726	9.9	20.5
8 9	18 45.89	−32 12.6	1.844	2.717	13.2	20.7

342574 2008 UB_{262} 7 8.4 301.°12 1.°3/ 8.2 18

5 31	19 39.25	−25 56.9	1.667	2.509	15.9	20.5
6 10	19 35.50	−25 52.9	1.567	2.485	12.6	20.2
6 20	19 28.86	−25 49.2	1.488	2.462	8.7	19.9
6 30	19 19.85	−25 42.9	1.432	2.439	4.2	19.6
7 10	19 9.50	−25 31.3	1.400	2.416	1.6	19.4
7 20	18 59.06	−25 12.9	1.395	2.393	6.0	19.6
7 30	18 49.92	−24 48.1	1.415	2.370	10.7	19.8
8 9	18 43.20	−24 18.6	1.456	2.348	15.0	20.0

199155 2005 YH_{166} 7 8.4 39.°28 2.°3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.31	−16 39.9	1.589	2.425	16.8	20.4
6 10	19 33.56	−16 29.3	1.518	2.430	13.3	20.2
6 20	19 27.22	−16 27.3	1.467	2.436	9.3	20.0
6 30	19 18.93	−16 33.2	1.439	2.443	4.9	19.7
7 10	19 9.71	−16 45.5	1.436	2.449	2.4	19.6
7 20	19 0.72	−17 2.1	1.458	2.456	5.8	19.8
7 30	18 53.10	−17 21.0	1.505	2.463	10.0	20.1
8 9	18 47.73	−17 40.7	1.574	2.471	13.8	20.3

215145 1999 UM_{57} 7 8.4 359.°66 1.°6/ 8.7 17

5 31	19 30.88	−19 40.1	0.990	1.873	21.1	20.0
6 10	19 30.01	−19 26.1	0.928	1.869	16.7	19.7
6 20	19 25.61	−19 20.9	0.883	1.866	11.5	19.4
6 30	19 18.41	−19 23.7	0.856	1.865	5.7	19.1
7 10	19 9.81	−19 32.1	0.849	1.865	1.8	18.8
7 20	19 1.47	−19 43.5	0.864	1.868	7.2	19.2
7 30	18 55.06	−19 55.5	0.899	1.872	12.9	19.5
8 9	18 51.78	−20 6.5	0.953	1.878	17.8	19.8

438939 2010 GQ_{161} 7 8.4 346.°23 5.°6/10.9 18

5 31	19 33.00	− 5 48.7	1.694	2.502	17.1	20.1
6 10	19 30.16	− 6 1.3	1.610	2.496	14.2	19.9
6 20	19 24.96	− 6 33.3	1.545	2.491	10.8	19.7
6 30	19 17.93	− 7 25.6	1.501	2.486	7.5	19.5
7 10	19 9.90	− 8 36.5	1.483	2.482	5.6	19.4
7 20	19 1.87	−10 1.7	1.490	2.479	7.0	19.5
7 30	18 54.90	−11 35.6	1.522	2.476	10.3	19.6
8 9	18 49.89	−13 11.8	1.577	2.474	13.8	19.8

79006 4261 P–L 7 8.4 226.°77 2.°1/ 9.0 18

5 31	19 36.87	−16 16.7	2.101	2.918	13.9	19.8
6 10	19 32.68	−16 10.1	2.013	2.915	11.1	19.6
6 20	19 26.38	−16 10.5	1.947	2.911	7.7	19.4
6 30	19 18.50	−16 17.2	1.906	2.908	4.2	19.2
7 10	19 9.81	−16 29.1	1.891	2.904	2.1	19.0
7 20	19 1.18	−16 44.6	1.904	2.900	4.9	19.2
7 30	18 53.54	−17 2.2	1.943	2.896	8.5	19.4
8 9	18 47.64	−17 20.6	2.006	2.892	11.8	19.6

437069 2012 UK_{54} 7 8.4 317.°96 0.°7/ 8.3 18

5 31	19 38.36	−23 56.1	1.802	2.638	15.1	21.1
6 10	19 34.31	−23 59.7	1.719	2.634	11.9	20.9
6 20	19 27.72	−24 5.6	1.657	2.630	8.0	20.7
6 30	19 19.20	−24 11.6	1.619	2.627	3.8	20.4
7 10	19 9.69	−24 15.1	1.607	2.623	1.1	20.2
7 20	19 0.33	−24 14.4	1.622	2.620	5.3	20.5
7 30	18 52.22	−24 9.1	1.662	2.616	9.5	20.7
8 9	18 46.28	−23 59.9	1.725	2.613	13.2	20.9

170758 2004 CA_{24} 7 8.4 155.°45 6.°9/11.2 18

5 31	19 35.29	− 1 19.4	2.315	3.077	14.4	20.6
6 10	19 31.12	− 0 49.7	2.234	3.081	12.3	20.4
6 20	19 25.17	− 0 34.6	2.173	3.084	10.0	20.3
6 30	19 17.89	− 0 36.1	2.135	3.088	7.9	20.2
7 10	19 9.95	− 0 54.8	2.122	3.091	6.9	20.1
7 20	19 2.10	− 1 29.4	2.135	3.093	7.5	20.1
7 30	18 55.10	− 2 17.6	2.174	3.096	9.4	20.3
8 9	18 49.57	− 3 15.4	2.237	3.098	11.7	20.4

56894 2000 QP_{145} 7 8.4 350.°07 0.°1/ 8.5 18

5 31	19 33.72	−20 16.0	1.678	2.523	15.7	18.7
6 10	19 30.87	−20 36.4	1.597	2.517	12.3	18.5
6 20	19 25.51	−21 4.3	1.537	2.512	8.4	18.2
6 30	19 18.21	−21 37.1	1.500	2.508	3.9	17.9
7 10	19 9.88	−22 11.6	1.488	2.504	0.7	17.7
7 20	19 1.63	−22 44.6	1.501	2.501	5.4	18.0
7 30	18 54.58	−23 13.6	1.540	2.499	9.7	18.3
8 9	18 49.65	−23 37.4	1.600	2.498	13.5	18.5

440521 2005 UW_{84} 7 8.4 318.°22 4.°6/ 9.7 18

5 31	19 34.06	−10 19.5	2.062	2.870	14.5	21.3
6 10	19 30.53	− 9 49.7	1.972	2.862	11.8	21.1
6 20	19 24.97	− 9 29.7	1.903	2.854	8.9	20.9
6 30	19 17.87	− 9 20.9	1.858	2.845	6.0	20.7
7 10	19 9.97	− 9 23.4	1.838	2.838	4.6	20.6
7 20	19 2.10	− 9 36.5	1.844	2.830	6.2	20.7
7 30	18 55.15	− 9 58.7	1.876	2.823	9.1	20.8
8 9	18 49.85	−10 27.4	1.932	2.816	12.2	21.0

69128 2003 FR_{16} 7 8.4 92.°83 4.°5/10.6 18

5 31	19 35.25	− 6 34.6	2.295	3.080	13.9	19.7
6 10	19 31.08	− 6 43.1	2.220	3.093	11.4	19.6
6 20	19 25.13	− 7 5.1	2.166	3.105	8.6	19.4
6 30	19 17.87	− 7 40.4	2.136	3.117	5.9	19.3
7 10	19 9.99	− 8 27.8	2.133	3.129	4.5	19.2
7 20	19 2.23	− 9 24.6	2.157	3.141	5.6	19.3
7 30	18 55.36	−10 27.5	2.209	3.153	8.1	19.5
8 9	18 50.00	−11 32.9	2.286	3.164	10.8	19.7

246361 2007 TS_{366} 7 8.4 302.°00 4.°5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.38	−32 14.3	1.841	2.677	14.8	20.9
6 10	19 35.42	−32 52.7	1.753	2.665	11.9	20.7
6 20	19 28.69	−33 29.3	1.687	2.653	8.6	20.4
6 30	19 19.74	−33 58.8	1.644	2.641	5.5	20.2
7 10	19 9.62	−34 16.5	1.627	2.630	4.7	20.2
7 20	18 59.53	−34 19.4	1.636	2.618	7.2	20.3
7 30	18 50.78	−34 7.4	1.669	2.607	10.7	20.5
8 9	18 44.38	−33 42.8	1.725	2.597	14.1	20.7

59810 1999 RM_{17} 7 8.4 205.°17 0.°4/ 8.3 18

5 31	19 36.92	−23 17.3	2.680	3.496	11.3	20.2
6 10	19 32.30	−23 23.0	2.589	3.493	8.8	20.0
6 20	19 25.92	−23 30.6	2.520	3.489	5.9	19.8
6 30	19 18.25	−23 38.4	2.478	3.485	2.8	19.6
7 10	19 9.92	−23 44.7	2.465	3.481	0.7	19.4
7 20	19 1.67	−23 48.3	2.480	3.476	3.9	19.6
7 30	18 54.24	−23 48.8	2.523	3.471	7.0	19.8
8 9	18 48.25	−23 46.1	2.591	3.466	9.8	20.0

518403 2018 AZ_{6} 7 8.4 107.°91 2.°1/ 9.1 18

5 31	19 35.40	−15 55.9	2.504	3.314	12.2	21.2
6 10	19 31.09	−15 39.2	2.422	3.319	9.6	21.1
6 20	19 25.08	−15 28.0	2.363	3.324	6.8	20.9
6 30	19 17.83	−15 22.0	2.329	3.329	3.8	20.7
7 10	19 10.00	−15 20.7	2.323	3.334	2.2	20.6
7 20	19 2.31	−15 23.3	2.345	3.339	4.3	20.8
7 30	18 55.46	−15 29.0	2.394	3.344	7.3	20.9
8 9	18 50.06	−15 36.7	2.468	3.349	10.0	21.1

433800 2015 BT_{99} 7 8.4 198.°51 0.°7/ 8.6 17

5 31	19 41.09	−19 14.9	1.971	2.789	14.7	22.8
6 10	19 36.21	−19 27.7	1.882	2.787	11.6	22.6
6 20	19 28.92	−19 46.9	1.815	2.783	7.9	22.4
6 30	19 19.77	−20 10.6	1.773	2.779	3.8	22.1
7 10	19 9.63	−20 36.1	1.758	2.774	0.9	21.9
7 20	18 59.54	−21 0.9	1.771	2.769	5.0	22.2
7 30	18 50.56	−21 23.3	1.810	2.762	9.0	22.4
8 9	18 43.58	−21 42.4	1.874	2.756	12.6	22.6

387263 2012 UA_{104} 7 8.4 216.°90 2.°2/ 9.0 18

5 31	19 37.12	−16 11.3	2.027	2.846	14.3	21.7
6 10	19 32.95	−16 4.4	1.942	2.844	11.4	21.5
6 20	19 26.62	−16 4.8	1.878	2.842	7.9	21.3
6 30	19 18.65	−16 11.9	1.838	2.840	4.3	21.1
7 10	19 9.85	−16 24.4	1.825	2.838	2.2	20.9
7 20	19 1.14	−16 40.7	1.839	2.836	5.0	21.1
7 30	18 53.46	−16 59.2	1.880	2.833	8.7	21.3
8 9	18 47.58	−17 18.5	1.944	2.831	12.0	21.5

509931 2009 ON_{22} 7 8.4 358.°59 0.°6/ 8.3 18

5 31	19 37.00	−25 29.3	1.780	2.621	15.1	20.0
6 10	19 33.21	−25 7.6	1.701	2.618	11.8	19.8
6 20	19 26.92	−24 45.4	1.642	2.616	8.0	19.5
6 30	19 18.80	−24 20.9	1.608	2.615	3.8	19.3
7 10	19 9.83	−23 53.2	1.599	2.615	1.0	19.1
7 20	19 1.09	−23 22.1	1.617	2.616	5.2	19.4
7 30	18 53.67	−22 48.6	1.660	2.617	9.3	19.6
8 9	18 48.40	−22 14.2	1.726	2.619	13.0	19.8

131123 2001 BO_{22} 7 8.4 244.°15 0.°9/ 8.7 17

5 31	19 38.08	−18 44.0	2.012	2.835	14.3	20.3
6 10	19 33.86	−18 55.8	1.919	2.825	11.3	20.1
6 20	19 27.36	−19 14.4	1.847	2.815	7.7	19.8
6 30	19 19.05	−19 38.2	1.799	2.805	3.8	19.6
7 10	19 9.77	−20 4.8	1.779	2.795	1.0	19.3
7 20	19 0.47	−20 31.7	1.786	2.784	4.9	19.6
7 30	18 52.18	−20 57.1	1.819	2.773	8.9	19.8
8 9	18 45.76	−21 19.7	1.876	2.762	12.5	20.0

56637 2000 KG_{14} 7 8.4 233.°15 2.°0/ 8.9 18

5 31	19 36.95	−16 47.6	2.157	2.974	13.6	19.7
6 10	19 32.69	−16 34.6	2.069	2.970	10.8	19.5
6 20	19 26.38	−16 27.6	2.002	2.967	7.5	19.3
6 30	19 18.53	−16 26.1	1.960	2.963	4.1	19.1
7 10	19 9.89	−16 29.2	1.946	2.959	2.1	18.9
7 20	19 1.34	−16 35.8	1.958	2.954	4.8	19.1
7 30	18 53.75	−16 44.8	1.998	2.950	8.3	19.3
8 9	18 47.87	−16 55.2	2.061	2.946	11.5	19.5

385556 2004 TU_{73} 7 8.4 133.°12 2.°0/ 9.0 17

5 31	19 38.83	−16 21.3	2.016	2.832	14.5	21.7
6 10	19 34.19	−16 16.0	1.939	2.840	11.4	21.5
6 20	19 27.39	−16 17.9	1.884	2.848	8.0	21.3
6 30	19 18.98	−16 26.2	1.853	2.855	4.3	21.1
7 10	19 9.82	−16 39.5	1.849	2.862	2.1	21.0
7 20	19 0.83	−16 56.0	1.872	2.869	4.9	21.2
7 30	18 52.95	−17 14.2	1.922	2.875	8.6	21.4
8 9	18 46.92	−17 32.8	1.996	2.881	11.9	21.6

121313 Tamsin 7 8.4 343.°21 0.°7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.70	−20 8.1	1.607	2.449	16.4	20.4
6 10	19 33.28	−20 9.4	1.527	2.445	12.9	20.1
6 20	19 27.18	−20 16.9	1.467	2.441	8.8	19.9
6 30	19 19.02	−20 28.9	1.431	2.438	4.2	19.6
7 10	19 9.80	−20 43.0	1.419	2.435	1.0	19.3
7 20	19 0.69	−20 56.9	1.433	2.433	5.6	19.7
7 30	18 52.92	−21 9.2	1.471	2.431	10.1	19.9
8 9	18 47.42	−21 19.1	1.532	2.429	14.1	20.2

131268 2001 FW_{50} 7 8.4 8.°93 8.°8/10.9 18

5 31	19 31.81	− 4 5.6	1.405	2.224	19.5	18.8
6 10	19 29.52	− 3 11.4	1.339	2.226	16.5	18.6
6 20	19 24.64	− 2 36.2	1.290	2.229	13.2	18.4
6 30	19 17.81	− 2 24.2	1.262	2.233	10.3	18.2
7 10	19 10.03	− 2 36.8	1.255	2.238	8.8	18.1
7 20	19 2.43	− 3 12.6	1.271	2.245	9.8	18.2
7 30	18 56.16	− 4 7.4	1.309	2.253	12.5	18.4
8 9	18 52.10	− 5 14.9	1.367	2.261	15.6	18.6

504039 2005 UW_{291} 7 8.4 198.°85 1.°0/ 8.7 17

5 31	19 40.55	−18 53.7	2.407	3.214	12.7	23.9
6 10	19 35.29	−18 51.9	2.312	3.210	10.0	23.7
6 20	19 28.05	−18 54.6	2.241	3.205	6.9	23.5
6 30	19 19.29	−19 0.6	2.195	3.199	3.4	23.3
7 10	19 9.76	−19 8.5	2.178	3.193	1.1	23.1
7 20	19 0.28	−19 16.9	2.189	3.186	4.3	23.3
7 30	18 51.70	−19 24.8	2.229	3.178	7.8	23.5
8 9	18 44.76	−19 32.0	2.294	3.170	10.9	23.7

179441 2002 AC_{116} 7 8.4 201.°78 1.°4/ 8.0 18

5 31	19 38.11	−26 19.5	2.422	3.244	12.2	20.8
6 10	19 33.45	−26 29.3	2.335	3.242	9.5	20.6
6 20	19 26.82	−26 39.4	2.271	3.240	6.5	20.4
6 30	19 18.71	−26 47.5	2.233	3.238	3.2	20.2
7 10	19 9.88	−26 51.4	2.222	3.236	1.6	20.1
7 20	19 1.17	−26 49.9	2.240	3.234	4.5	20.3
7 30	18 53.43	−26 42.7	2.285	3.231	7.7	20.5
8 9	18 47.35	−26 30.6	2.354	3.229	10.7	20.7

317542 2002 UH_4 7 8.4 183.°43 7.°3/ 8.8 18

5 31	19 42.29	− 3 59.7	2.468	3.221	13.8	19.4
6 10	19 36.40	− 2 23.4	2.379	3.222	11.8	19.2
6 20	19 28.65	− 0 55.4	2.314	3.221	9.6	19.1
6 30	19 19.53	+ 0 20.7	2.275	3.221	7.9	19.0
7 10	19 9.74	+ 1 21.7	2.263	3.220	7.3	18.9
7 20	19 0.03	+ 2 5.7	2.280	3.219	8.2	19.0
7 30	18 51.22	+ 2 32.5	2.323	3.218	10.1	19.1
8 9	18 43.94	+ 2 43.8	2.390	3.216	12.2	19.3

418332 2008 GE_7 7 8.4 171.°18 0.°0/ 8.3 17

5 31	19 41.23	−20 50.0	1.931	2.754	14.8	22.2
6 10	19 36.33	−21 9.0	1.850	2.757	11.6	21.9
6 20	19 28.99	−21 33.6	1.790	2.759	7.8	21.7
6 30	19 19.80	−22 1.2	1.755	2.762	3.7	21.5
7 10	19 9.68	−22 28.7	1.747	2.763	0.7	21.2
7 20	18 59.67	−22 53.5	1.767	2.764	5.0	21.6
7 30	18 50.85	−23 13.9	1.813	2.765	9.0	21.8
8 9	18 44.10	−23 29.6	1.883	2.765	12.6	22.0

355665 2008 EH_{122} 7 8.4 205.°25 4.°4/ 6.9 18

5 31	19 40.58	−35 35.0	2.567	3.380	11.8	21.8
6 10	19 35.50	−36 11.6	2.482	3.376	9.5	21.6
6 20	19 28.27	−36 44.2	2.419	3.373	7.1	21.5
6 30	19 19.42	−37 8.6	2.383	3.369	5.0	21.3
7 10	19 9.75	−37 21.5	2.373	3.365	4.5	21.3
7 20	19 0.20	−37 20.9	2.392	3.361	6.2	21.4
7 30	18 51.69	−37 7.3	2.436	3.356	8.6	21.6
8 9	18 44.99	−36 42.6	2.505	3.351	11.1	21.7

100335 1995 SC_{12} 7 8.4 36.°90 4.°9/10.2 16

5 31	19 34.53	− 8 7.1	2.071	2.871	14.7	20.1
6 10	19 30.80	− 7 50.0	1.991	2.873	12.1	19.9
6 20	19 25.10	− 7 45.1	1.931	2.876	9.1	19.7
6 30	19 17.94	− 7 53.6	1.895	2.879	6.3	19.6
7 10	19 10.04	− 8 14.9	1.885	2.881	4.9	19.5
7 20	19 2.25	− 8 47.6	1.901	2.884	6.2	19.6
7 30	18 55.40	− 9 28.9	1.943	2.888	9.0	19.7
8 9	18 50.20	−10 15.7	2.008	2.891	11.9	19.9

445495 2010 VZ_{191} 7 8.4 276.°18 0.°3/ 8.3 16

5 31	19 35.78	−22 8.7	2.441	3.263	12.1	21.9
6 10	19 31.74	−22 24.9	2.339	3.246	9.5	21.7
6 20	19 25.77	−22 44.8	2.259	3.229	6.4	21.5
6 30	19 18.29	−23 6.6	2.206	3.212	3.0	21.3
7 10	19 9.97	−23 27.9	2.179	3.195	0.7	21.0
7 20	19 1.61	−23 46.9	2.181	3.178	4.3	21.3
7 30	18 54.05	−24 2.3	2.210	3.161	7.7	21.5
8 9	18 48.02	−24 13.5	2.264	3.144	10.8	21.6

274548 2008 SA_{255} 7 8.4 0.°85 10.°5/11.9 18

5 31	19 31.97	+ 0 2.6	1.404	2.206	20.3	19.7
6 10	19 29.71	+ 0 57.5	1.334	2.204	17.5	19.5
6 20	19 24.84	+ 1 29.8	1.281	2.203	14.6	19.3
6 30	19 17.95	+ 1 34.3	1.247	2.203	12.0	19.1
7 10	19 10.04	+ 1 8.9	1.234	2.204	10.6	19.0
7 20	19 2.22	+ 0 15.2	1.243	2.206	11.2	19.1
7 30	18 55.70	− 1 1.9	1.273	2.209	13.5	19.2
8 9	18 51.42	− 2 34.5	1.324	2.212	16.4	19.4

165198 2000 RK_{24} 7 8.4 284.°85 3.°5/ 8.9 18

5 31	19 39.08	−16 4.6	1.444	2.282	18.1	20.5
6 10	19 35.64	−15 33.9	1.349	2.262	14.6	20.2
6 20	19 29.15	−15 11.0	1.273	2.242	10.5	19.9
6 30	19 20.13	−14 56.6	1.219	2.221	6.0	19.6
7 10	19 9.61	−14 50.5	1.189	2.201	3.5	19.4
7 20	18 58.93	−14 52.1	1.184	2.181	7.0	19.6
7 30	18 49.57	−15 0.0	1.202	2.160	11.9	19.8
8 9	18 42.76	−15 12.7	1.241	2.140	16.5	20.0

192284 1981 EL_{11} 7 8.4 111.°67 1.°7/ 8.7 18

5 31	19 43.00	−19 12.8	1.376	2.216	18.7	20.1
6 10	19 38.43	−18 54.8	1.308	2.223	14.8	19.8
6 20	19 30.74	−18 43.4	1.259	2.231	10.2	19.6
6 30	19 20.70	−18 37.4	1.232	2.238	5.1	19.3
7 10	19 9.55	−18 35.2	1.230	2.246	1.9	19.1
7 20	18 58.74	−18 35.2	1.254	2.253	6.3	19.4
7 30	18 49.67	−18 36.5	1.301	2.259	11.2	19.7
8 9	18 43.37	−18 38.5	1.369	2.266	15.4	20.0

76662 2000 HB_{41} 7 8.4 137.°55 6.°1/10.9 18

5 31	19 35.78	− 3 13.1	2.338	3.106	14.1	19.6
6 10	19 31.48	− 2 49.6	2.259	3.114	11.8	19.5
6 20	19 25.41	− 2 39.8	2.201	3.122	9.4	19.3
6 30	19 18.04	− 2 45.1	2.166	3.129	7.2	19.2
7 10	19 10.05	− 3 5.7	2.158	3.135	6.1	19.1
7 20	19 2.16	− 3 40.3	2.176	3.142	6.9	19.2
7 30	18 55.13	− 4 26.3	2.220	3.148	8.9	19.3
8 9	18 49.59	− 5 20.3	2.288	3.154	11.3	19.5

478048 2011 SD_{261} 7 8.4 292.°42 0.°6/ 8.3 16

5 31	19 37.03	−23 17.4	2.002	2.834	14.0	22.0
6 10	19 33.13	−23 28.9	1.909	2.822	11.0	21.7
6 20	19 26.91	−23 43.7	1.838	2.810	7.5	21.5
6 30	19 18.88	−23 59.5	1.791	2.799	3.5	21.2
7 10	19 9.87	−24 13.7	1.771	2.787	1.0	21.0
7 20	19 0.88	−24 24.1	1.778	2.776	5.0	21.3
7 30	18 52.94	−24 29.9	1.811	2.764	8.9	21.5
8 9	18 46.93	−24 30.9	1.867	2.753	12.5	21.7

510095 2010 ON_{55} 7 8.4 197.°90 8.°3/12.2 18

5 31	19 33.53	+ 9 21.7	3.213	3.892	12.2	22.1
6 10	19 29.33	+10 12.4	3.125	3.889	11.0	22.0
6 20	19 23.78	+10 48.9	3.056	3.885	9.8	21.9
6 30	19 17.25	+11 8.8	3.010	3.881	8.8	21.8
7 10	19 10.21	+11 10.4	2.988	3.877	8.3	21.8
7 20	19 3.19	+10 53.7	2.990	3.872	8.5	21.8
7 30	18 56.74	+10 19.9	3.016	3.866	9.3	21.9
8 9	18 51.34	+ 9 31.9	3.066	3.861	10.5	21.9

510725 2012 VQ_{77} 7 8.4 290.°79 1.°7/ 8.8 18

5 31	19 37.89	−18 10.7	1.831	2.659	15.2	22.0
6 10	19 34.16	−18 1.4	1.723	2.631	12.2	21.7
6 20	19 27.86	−17 58.2	1.635	2.603	8.5	21.4
6 30	19 19.46	−18 0.6	1.570	2.575	4.4	21.1
7 10	19 9.77	−18 7.3	1.532	2.546	1.8	20.9
7 20	18 59.87	−18 16.6	1.519	2.518	5.6	21.1
7 30	18 50.95	−18 27.2	1.533	2.489	10.0	21.3
8 9	18 44.05	−18 38.3	1.569	2.460	14.1	21.4

193582 2001 BF_{11} 7 8.4 158.°37 0.°2/ 8.5 18

5 31	19 41.76	−22 30.5	2.364	3.176	12.7	20.8
6 10	19 36.16	−22 16.7	2.282	3.183	10.0	20.7
6 20	19 28.56	−22 4.5	2.222	3.189	6.7	20.5
6 30	19 19.51	−21 52.3	2.189	3.195	3.2	20.2
7 10	19 9.81	−21 39.1	2.184	3.200	0.6	20.0
7 20	19 0.31	−21 24.5	2.207	3.204	4.2	20.3
7 30	18 51.87	−21 8.5	2.259	3.208	7.7	20.6
8 9	18 45.16	−20 51.7	2.337	3.212	10.7	20.8

80772 2000 CX_{61} 7 8.4 200.°15 1.°0/ 8.6 18

5 31	19 41.67	−20 14.4	1.871	2.694	15.2	19.9
6 10	19 36.74	−20 0.8	1.785	2.692	12.0	19.6
6 20	19 29.32	−19 51.2	1.720	2.689	8.2	19.4
6 30	19 19.99	−19 44.4	1.680	2.686	4.0	19.1
7 10	19 9.71	−19 38.9	1.666	2.682	1.2	18.9
7 20	18 59.55	−19 33.8	1.680	2.678	5.2	19.2
7 30	18 50.62	−19 28.6	1.720	2.673	9.3	19.4
8 9	18 43.81	−19 23.4	1.783	2.668	13.0	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
257704	1999 XK_{45}		7	8.4	248.°97	0.°3/ 8.3 17
	h m	° ′			°	m
5 31	19 40.86	−21 23.9	1.805	2.633	15.4	21.6
6 10	19 36.50	−21 45.7	1.707	2.618	12.2	21.4
6 20	19 29.44	−22 13.9	1.631	2.602	8.3	21.1
6 30	19 20.18	−22 45.7	1.578	2.586	3.9	20.8
7 10	19 9.65	−23 17.6	1.553	2.569	0.8	20.5
7 20	18 58.99	−23 46.2	1.554	2.551	5.5	20.8
7 30	18 49.47	−24 9.4	1.581	2.533	10.0	21.1
8 9	18 42.15	−24 26.7	1.631	2.515	14.0	21.3
374879	2006 VN_{150}		7	8.4	196.°26	2.°7/ 9.0 17
5 31	19 40.44	−16 1.7	1.814	2.633	15.7	21.5
6 10	19 35.80	−15 41.6	1.730	2.632	12.5	21.2
6 20	19 28.70	−15 28.7	1.666	2.630	8.8	21.0
6 30	19 19.71	−15 22.9	1.627	2.628	4.9	20.8
7 10	19 9.77	−15 23.4	1.613	2.625	2.7	20.6
7 20	18 59.93	−15 29.0	1.627	2.622	5.7	20.8
7 30	18 51.30	−15 38.6	1.666	2.619	9.6	21.0
8 9	18 44.75	−15 50.7	1.729	2.615	13.3	21.2
152506	2005 XN_{1}		7	8.4	114.°35	0.°7/ 8.2 18
5 31	19 36.64	−23 35.6	2.538	3.357	11.7	20.9
6 10	19 32.14	−23 52.5	2.460	3.366	9.1	20.7
6 20	19 25.85	−24 11.7	2.405	3.375	6.1	20.5
6 30	19 18.26	−24 31.0	2.376	3.383	2.9	20.3
7 10	19 10.05	−24 48.3	2.376	3.391	0.9	20.2
7 20	19 1.98	−25 2.0	2.404	3.400	4.0	20.4
7 30	18 54.81	−25 11.3	2.459	3.408	7.2	20.6
8 9	18 49.17	−25 16.2	2.539	3.415	9.9	20.8
354059	2001 TR_{97}		7	8.4	288.°97	5.°1/ 6.9 18
5 31	19 40.28	−34 58.6	2.060	2.887	13.8	20.4
6 10	19 35.92	−35 37.9	1.972	2.875	11.2	20.2
6 20	19 28.92	−36 13.6	1.904	2.863	8.3	20.0
6 30	19 19.87	−36 40.3	1.861	2.851	5.8	19.8
7 10	19 9.73	−36 53.7	1.844	2.839	5.2	19.7
7 20	18 59.64	−36 51.1	1.853	2.827	7.3	19.8
7 30	18 50.81	−36 32.7	1.888	2.816	10.3	20.0
8 9	18 44.19	−36 1.5	1.945	2.804	13.2	20.2
179228	2001 UX_{14}		7	8.5	175.°61	1.°5/ 9.0 18
5 31	19 36.60	−16 43.1	2.827	3.629	11.1	21.2
6 10	19 31.89	−16 39.0	2.738	3.631	8.8	21.1
6 20	19 25.58	−16 39.7	2.672	3.633	6.1	20.9
6 30	19 18.13	−16 44.6	2.633	3.635	3.2	20.7
7 10	19 10.10	−16 52.8	2.622	3.635	1.6	20.6
7 20	19 2.16	−17 3.2	2.641	3.636	3.8	20.8
7 30	18 54.96	−17 14.9	2.687	3.636	6.6	21.0
8 9	18 49.06	−17 27.0	2.760	3.635	9.3	21.1
227484	2005 XB_{3}		7	8.5	353.°18	3.°1/ 7.6 17
5 31	19 37.88	−27 5.4	1.443	2.297	17.3	19.9
6 10	19 34.74	−27 44.4	1.370	2.294	13.6	19.7
6 20	19 28.48	−28 26.3	1.316	2.292	9.4	19.4
6 30	19 19.77	−29 5.9	1.284	2.290	5.0	19.2
7 10	19 9.78	−29 37.4	1.277	2.289	3.4	19.1
7 20	18 59.94	−29 57.1	1.294	2.288	7.1	19.3
7 30	18 51.71	−30 3.8	1.335	2.288	11.5	19.5
8 9	18 46.18	−29 59.0	1.396	2.288	15.5	19.8
386381	2008 UR_{60}		7	8.5	312.°58	1.°7/ 8.1 18
5 31	19 37.06	−25 25.6	1.520	2.371	16.7	20.6
6 10	19 34.14	−25 38.1	1.424	2.347	13.3	20.3
6 20	19 28.20	−25 53.5	1.348	2.324	9.1	20.0
6 30	19 19.73	−26 8.2	1.294	2.302	4.5	19.7
7 10	19 9.79	−26 18.6	1.264	2.279	2.0	19.4
7 20	18 59.71	−26 21.5	1.259	2.257	6.5	19.7
7 30	18 50.97	−26 16.1	1.278	2.236	11.4	19.9
8 9	18 44.79	−26 3.4	1.318	2.216	15.8	20.1
360967	2005 UJ_{183}		7	8.5	249.°70	2.°1/ 7.6 18
5 31	19 37.39	−27 26.6	2.531	3.352	11.7	21.6
6 10	19 33.01	−27 58.2	2.435	3.341	9.2	21.4
6 20	19 26.64	−28 30.8	2.361	3.329	6.3	21.2
6 30	19 18.73	−29 1.5	2.314	3.318	3.4	21.0
7 10	19 10.00	−29 27.2	2.295	3.306	2.3	20.9
7 20	19 1.26	−29 45.7	2.304	3.293	4.8	21.0
7 30	18 53.37	−29 56.0	2.340	3.281	7.9	21.2
8 9	18 47.06	−29 58.6	2.400	3.268	10.7	21.3
19594	1999 NL_{31}		7	8.5	11.°77	3.°6/ 8.2 18 R
5 31	19 36.16	−30 13.1	0.934	1.820	21.8	16.5
6 10	19 34.54	−30 4.6	0.882	1.823	17.3	16.2
6 20	19 28.81	−29 50.9	0.845	1.828	12.0	16.0
6 30	19 19.97	−29 27.5	0.827	1.835	6.4	15.7
7 10	19 9.80	−28 51.1	0.830	1.844	3.8	15.6
7 20	19 0.28	−28 2.3	0.854	1.854	8.2	15.9
7 30	18 53.23	−27 4.8	0.898	1.866	13.5	16.2
8 9	18 49.75	−26 3.9	0.960	1.879	18.3	16.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5782	Akirafujiwara		7	8.5	222.°96	2.°5/ 8.9 18
	h m	° ′			°	m
5 31	19 41.28	−17 7.4	1.628	2.455	16.9	17.8
6 10	19 36.83	−16 44.9	1.543	2.450	13.5	17.6
6 20	19 29.61	−16 29.1	1.478	2.445	9.4	17.3
6 30	19 20.24	−16 20.1	1.436	2.439	5.1	17.0
7 10	19 9.73	−16 16.8	1.420	2.433	2.6	16.9
7 20	18 59.31	−16 18.1	1.429	2.426	6.1	17.1
7 30	18 50.22	−16 23.1	1.464	2.420	10.5	17.3
8 9	18 43.48	−16 30.6	1.522	2.412	14.5	17.5
178458	1999 RQ_{56}		7	8.5	347.°87	6.°7/11.0 18
5 31	19 30.98	− 5 2.2	1.661	2.472	17.3	19.1
6 10	19 28.66	− 4 47.2	1.578	2.463	14.5	18.9
6 20	19 24.03	− 4 50.3	1.513	2.455	11.4	18.6
6 30	19 17.61	− 5 13.6	1.470	2.448	8.4	18.5
7 10	19 10.22	− 5 57.2	1.450	2.442	6.7	18.4
7 20	19 2.84	− 6 58.4	1.454	2.437	7.9	18.4
7 30	18 56.51	− 8 12.7	1.482	2.433	10.8	18.6
8 9	18 52.12	− 9 34.3	1.533	2.430	14.1	18.8
250750	2005 SM_{179}		7	8.5	270.°63	4.°2/ 9.9 18
5 31	19 34.59	− 9 23.9	2.347	3.143	13.3	21.3
6 10	19 30.78	− 9 12.0	2.247	3.128	10.9	21.1
6 20	19 25.12	− 9 10.4	2.168	3.114	8.2	20.9
6 30	19 18.03	− 9 19.8	2.113	3.100	5.5	20.7
7 10	19 10.15	− 9 40.0	2.085	3.085	4.2	20.6
7 20	19 2.22	−10 9.6	2.084	3.070	5.6	20.7
7 30	18 55.05	−10 46.8	2.110	3.056	8.4	20.8
8 9	18 49.34	−11 28.7	2.161	3.041	11.3	21.0
16709	Auratian		7	8.5	268.°56	0.°0/ 8.4 18
5 31	19 36.77	−21 51.1	2.238	3.062	13.0	18.7
6 10	19 32.65	−21 59.3	2.144	3.052	10.2	18.5
6 20	19 26.45	−22 11.1	2.072	3.042	6.9	18.3
6 30	19 18.66	−22 24.8	2.026	3.032	3.2	18.1
7 10	19 10.03	−22 38.2	2.006	3.022	0.6	17.8
7 20	19 1.43	−22 49.6	2.014	3.012	4.5	18.1
7 30	18 53.75	−22 58.1	2.049	3.002	8.1	18.3
8 9	18 47.76	−23 3.2	2.109	2.992	11.4	18.5
352299	2007 TB_{441}		7	8.5	292.°05	0.°5/ 8.6 16
5 31	19 36.72	−18 37.1	1.903	2.732	14.7	21.4
6 10	19 33.20	−19 5.3	1.796	2.706	11.7	21.1
6 20	19 27.22	−19 42.9	1.711	2.681	8.1	20.9
6 30	19 19.20	−20 27.8	1.649	2.656	3.9	20.6
7 10	19 9.93	−21 16.7	1.614	2.630	0.8	20.3
7 20	19 0.42	−22 6.0	1.606	2.605	5.2	20.5
7 30	18 51.82	−22 52.3	1.624	2.579	9.6	20.7
8 9	18 45.15	−23 33.6	1.665	2.554	13.6	20.9
499020	2009 CF_{62}		7	8.5	68.°54	2.°8/ 8.0 17
5 31	19 43.84	−27 56.5	1.322	2.172	18.8	21.1
6 10	19 39.41	−28 11.3	1.261	2.182	14.8	20.9
6 20	19 31.56	−28 26.0	1.219	2.193	10.1	20.7
6 30	19 21.15	−28 35.4	1.199	2.204	5.2	20.4
7 10	19 9.62	−28 35.3	1.202	2.215	3.0	20.3
7 20	18 58.57	−28 23.7	1.231	2.227	7.0	20.6
7 30	18 49.53	−28 1.9	1.283	2.238	11.7	20.9
8 9	18 43.54	−27 33.0	1.356	2.249	15.8	21.2
474777	2005 QL_{126}		7	8.5	277.°29	0.°5/ 8.3 18
5 31	19 36.72	−22 52.4	2.194	3.020	13.1	21.9
6 10	19 32.65	−23 5.8	2.104	3.014	10.3	21.7
6 20	19 26.47	−23 22.5	2.036	3.007	6.9	21.5
6 30	19 18.68	−23 40.4	1.994	3.001	3.3	21.2
7 10	19 10.06	−23 57.0	1.978	2.994	0.8	21.0
7 20	19 1.48	−24 10.4	1.990	2.988	4.6	21.3
7 30	18 53.88	−24 19.6	2.029	2.981	8.2	21.5
8 9	18 48.01	−24 24.4	2.092	2.975	11.5	21.7
18195	2000 QG_{116}		7	8.5	281.°65	0.°7/ 8.6 18 R
5 31	19 40.33	−19 33.0	1.537	2.375	17.2	19.6
6 10	19 36.74	−19 42.0	1.432	2.347	13.8	19.3
6 20	19 30.06	−19 59.4	1.345	2.318	9.6	19.0
6 30	19 20.71	−20 23.5	1.282	2.289	4.7	18.6
7 10	19 9.64	−20 51.2	1.243	2.259	1.0	18.3
7 20	18 58.18	−21 19.0	1.229	2.229	6.3	18.6
7 30	18 47.88	−21 44.3	1.240	2.199	11.7	18.8
8 9	18 40.08	−22 5.7	1.273	2.168	16.5	19.0
290419	2005 TL_{64}		7	8.5	336.°86	0.°1/ 8.4 18
5 31	19 34.50	−21 49.3	1.769	2.612	15.1	20.7
6 10	19 31.45	−21 58.4	1.683	2.601	11.9	20.4
6 20	19 25.94	−22 12.4	1.616	2.591	8.1	20.2
6 30	19 18.52	−22 29.2	1.574	2.582	3.8	19.9
7 10	19 10.09	−22 46.3	1.557	2.573	0.7	19.6
7 20	19 1.69	−23 1.2	1.565	2.565	5.2	20.0
7 30	18 54.44	−23 12.6	1.599	2.558	9.5	20.2
8 9	18 49.26	−23 20.0	1.655	2.551	13.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
238141	2003 RN_{13}		7 8.5	267.°48	3.°1/ 9.3	18
	h m	° ′			°	m
5 31	19 37.06	−14 19.8	1.891	2.710	15.2	20.6
6 10	19 33.12	−14 4.5	1.804	2.705	12.2	20.4
6 20	19 26.89	−13 57.9	1.738	2.700	8.7	20.2
6 30	19 18.92	−14 0.1	1.696	2.695	5.1	19.9
7 10	19 10.02	−14 10.2	1.680	2.690	3.1	19.8
7 20	19 1.19	−14 26.9	1.690	2.685	5.6	19.9
7 30	18 53.42	−14 48.3	1.726	2.680	9.3	20.1
8 9	18 47.56	−15 12.5	1.785	2.674	12.8	20.3
192950	2000 BQ_2		7 8.5	123.°35	1.°9/ 7.9	18
5 31	19 42.44	−28 24.9	2.752	3.560	11.3	20.6
6 10	19 36.40	−28 40.7	2.684	3.581	8.8	20.4
6 20	19 28.58	−28 55.3	2.639	3.603	6.0	20.3
6 30	19 19.52	−29 6.1	2.621	3.623	3.2	20.1
7 10	19 9.94	−29 11.0	2.632	3.643	2.0	20.0
7 20	19 0.62	−29 9.0	2.673	3.662	4.3	20.2
7 30	18 52.32	−29 0.3	2.742	3.680	7.0	20.4
8 9	18 45.62	−28 46.0	2.837	3.698	9.5	20.6
307020	2001 XF_{78}		7 8.5	221.°90	2.°3/ 7.4	18
5 31	19 37.97	−26 43.6	2.386	3.209	12.3	21.1
6 10	19 33.58	−27 31.1	2.297	3.204	9.6	20.9
6 20	19 27.09	−28 21.1	2.231	3.199	6.6	20.7
6 30	19 18.99	−29 9.7	2.191	3.194	3.6	20.5
7 10	19 10.01	−29 53.3	2.179	3.189	2.5	20.4
7 20	19 1.02	−30 28.7	2.194	3.183	5.1	20.5
7 30	18 52.95	−30 54.5	2.238	3.177	8.3	20.7
8 9	18 46.56	−31 10.8	2.305	3.171	11.2	20.9
188124	2002 CR_{28}		7 8.5	185.°50	0.°9/ 8.1	18
5 31	19 37.20	−23 59.8	2.946	3.757	10.5	21.5
6 10	19 32.43	−24 25.7	2.855	3.757	8.2	21.3
6 20	19 26.02	−24 53.8	2.788	3.756	5.5	21.1
6 30	19 18.39	−25 21.8	2.749	3.755	2.6	21.0
7 10	19 10.13	−25 47.6	2.738	3.753	1.1	20.8
7 20	19 1.92	−26 9.5	2.757	3.751	3.8	21.0
7 30	18 54.44	−26 26.3	2.804	3.748	6.6	21.2
8 9	18 48.28	−26 38.1	2.877	3.745	9.1	21.4
437945	2002 RS_{198}		7 8.5	303.°23	1.°9/ 7.9	17
5 31	19 37.37	−25 27.7	1.774	2.614	15.1	21.5
6 10	19 33.98	−25 52.1	1.673	2.590	12.0	21.2
6 20	19 27.88	−26 19.9	1.592	2.566	8.2	20.9
6 30	19 19.55	−26 47.7	1.535	2.542	4.1	20.6
7 10	19 9.89	−27 11.6	1.504	2.518	2.1	20.4
7 20	19 0.07	−27 28.2	1.499	2.494	6.0	20.6
7 30	18 51.37	−27 36.0	1.518	2.471	10.4	20.8
8 9	18 44.89	−27 35.5	1.560	2.448	14.4	21.0
311541	2005 YG_{213}		7 8.5	125.°52	3.°4/ 7.9	18
5 31	19 43.32	−34 53.5	2.619	3.426	11.8	20.3
6 10	19 37.32	−34 50.7	2.539	3.432	9.4	20.1
6 20	19 29.30	−34 42.2	2.482	3.439	6.7	20.0
6 30	19 19.88	−34 25.0	2.452	3.445	4.3	19.8
7 10	19 9.89	−33 57.4	2.450	3.451	3.5	19.8
7 20	19 0.21	−33 19.4	2.477	3.457	5.2	19.9
7 30	18 51.69	−32 32.4	2.531	3.463	7.8	20.1
8 9	18 44.99	−31 39.2	2.611	3.469	10.3	20.2
19258	Gongyi		7 8.5	353.°62	3.°3/ 9.6	18
5 31	19 33.15	−13 9.5	1.129	1.989	20.7	17.6
6 10	19 31.48	−13 24.8	1.059	1.984	16.7	17.3
6 20	19 26.56	−13 58.9	1.006	1.980	11.9	17.0
6 30	19 19.00	−14 51.4	0.973	1.977	6.7	16.7
7 10	19 10.01	−15 58.3	0.962	1.975	3.4	16.5
7 20	19 1.07	−17 13.3	0.973	1.974	7.1	16.7
7 30	18 53.78	−18 29.6	1.006	1.975	12.4	17.0
8 9	18 49.37	−19 41.6	1.058	1.976	17.2	17.3
113419	2002 SM_{33}		7 8.5	335.°76	0.°5/ 8.6	17
5 31	19 36.82	−21 13.6	1.747	2.585	15.4	19.2
6 10	19 33.21	−21 9.0	1.664	2.580	12.2	19.0
6 20	19 27.09	−21 8.7	1.602	2.575	8.3	18.8
6 30	19 19.05	−21 11.2	1.563	2.570	4.0	18.5
7 10	19 10.02	−21 14.5	1.549	2.565	0.8	18.2
7 20	19 1.10	−21 17.1	1.562	2.561	5.2	18.5
7 30	18 53.41	−21 18.0	1.599	2.557	9.5	18.8
8 9	18 47.84	−21 17.2	1.660	2.554	13.3	19.0
274327	2008 RS_{11}		7 8.5	37.°61	7.°6/11.4	17
5 31	19 35.05	− 3 56.1	1.478	2.286	19.2	20.5
6 10	19 31.89	− 3 35.2	1.415	2.297	16.0	20.3
6 20	19 26.19	− 3 34.9	1.370	2.309	12.6	20.1
6 30	19 18.60	− 3 57.6	1.346	2.321	9.3	20.0
7 10	19 10.12	− 4 42.4	1.344	2.334	7.6	19.9
7 20	19 1.86	− 5 46.0	1.367	2.347	8.6	20.0
7 30	18 54.96	− 7 2.8	1.413	2.361	11.4	20.2
8 9	18 50.25	− 8 26.3	1.481	2.375	14.7	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
315044	2007 CR_{44}		7 8.5	174.°72	2.°7/ 9.6	18
	h m	° ′			°	m
5 31	19 34.71	−12 21.8	2.413	3.217	12.7	21.1
6 10	19 30.76	−12 30.3	2.327	3.217	10.2	20.9
6 20	19 25.03	−12 48.2	2.261	3.217	7.3	20.7
6 30	19 17.97	−13 15.0	2.222	3.218	4.4	20.6
7 10	19 10.24	−13 49.1	2.209	3.218	2.7	20.4
7 20	19 2.56	−14 28.5	2.224	3.218	4.6	20.6
7 30	18 55.69	−15 11.0	2.267	3.218	7.5	20.8
8 9	18 50.25	−15 54.1	2.335	3.218	10.4	20.9
371406	2006 RM_{86}		7 8.5	173.°42	3.°8/ 7.5	17
5 31	19 43.75	−30 9.1	1.712	2.546	15.9	21.8
6 10	19 38.88	−30 43.9	1.636	2.547	12.6	21.5
6 20	19 31.06	−31 17.8	1.580	2.548	8.8	21.3
6 30	19 20.96	−31 45.6	1.549	2.549	5.2	21.1
7 10	19 9.71	−32 2.3	1.542	2.550	4.0	21.0
7 20	18 58.65	−32 5.2	1.563	2.550	6.9	21.2
7 30	18 49.15	−31 54.5	1.608	2.550	10.7	21.4
8 9	18 42.21	−31 32.9	1.676	2.550	14.3	21.7
438245	2005 WU_3		7 8.5	273.°65	4.°2/ 7.5	17
5 31	19 44.54	−36 19.0	2.653	3.456	11.7	21.1
6 10	19 38.72	−36 32.2	2.539	3.427	9.5	20.9
6 20	19 30.60	−36 39.9	2.447	3.398	7.1	20.7
6 30	19 20.69	−36 38.2	2.381	3.368	4.9	20.5
7 10	19 9.79	−36 23.9	2.343	3.337	4.3	20.4
7 20	18 58.86	−35 55.5	2.333	3.306	6.0	20.5
7 30	18 48.93	−35 13.9	2.351	3.275	8.7	20.6
8 9	18 40.85	−34 21.8	2.395	3.243	11.4	20.8
357727	2005 QB_{138}		7 8.5	335.°68	3.°9/ 9.9	18
5 31	19 34.29	−10 28.4	2.058	2.866	14.5	20.9
6 10	19 30.76	−10 22.9	1.972	2.863	11.8	20.7
6 20	19 25.22	−10 28.8	1.907	2.860	8.7	20.5
6 30	19 18.14	−10 46.5	1.866	2.857	5.6	20.3
7 10	19 10.26	−11 15.1	1.850	2.855	3.9	20.2
7 20	19 2.43	−11 52.5	1.862	2.852	5.6	20.3
7 30	18 55.52	−12 36.2	1.899	2.850	8.7	20.5
8 9	18 50.27	−13 23.0	1.960	2.848	11.9	20.7
435342	2007 VY_{113}		7 8.5	341.°52	1.°1/ 8.8	18
5 31	19 31.72	−19 0.5	1.373	2.232	17.7	20.5
6 10	19 29.97	−19 5.1	1.290	2.217	14.1	20.2
6 20	19 25.36	−19 18.6	1.225	2.203	9.7	19.9
6 30	19 18.42	−19 39.9	1.182	2.190	4.8	19.6
7 10	19 10.19	−20 6.1	1.162	2.178	1.3	19.3
7 20	19 1.94	−20 34.1	1.165	2.167	6.1	19.6
7 30	18 55.05	−21 1.0	1.192	2.158	11.1	19.8
8 9	18 50.64	−21 24.9	1.239	2.150	15.6	20.1
265863	2005 YH_{162}		7 8.5	226.°91	0.°7/ 8.8	18
5 31	19 35.31	−18 5.9	2.756	3.565	11.2	21.2
6 10	19 31.10	−18 26.4	2.658	3.557	8.8	21.0
6 20	19 25.23	−18 52.6	2.584	3.549	6.0	20.8
6 30	19 18.09	−19 23.0	2.536	3.541	3.0	20.6
7 10	19 10.28	−19 55.8	2.517	3.532	0.8	20.4
7 20	19 2.46	−20 28.9	2.526	3.524	3.7	20.6
7 30	18 55.32	−21 0.8	2.564	3.515	6.8	20.8
8 9	18 49.50	−21 30.1	2.627	3.505	9.6	21.0
283884	2004 BT_{22}		7 8.5	299.°49	1.°4/ 9.0	18
5 31	19 35.71	−16 10.6	1.827	2.655	15.3	20.2
6 10	19 32.46	−16 37.5	1.726	2.634	12.2	19.9
6 20	19 26.75	−17 15.9	1.645	2.613	8.5	19.7
6 30	19 19.03	−18 4.3	1.588	2.593	4.4	19.4
7 10	19 10.10	−18 59.6	1.557	2.572	1.5	19.1
7 20	19 0.97	−19 57.9	1.552	2.551	5.3	19.3
7 30	18 52.80	−20 55.3	1.573	2.531	9.7	19.5
8 9	18 46.58	−21 48.8	1.618	2.511	13.7	19.7
390900	2005 ES_{29}		7 8.5	241.°89	2.°7/ 9.6	18
5 31	19 37.95	−12 11.2	2.360	3.157	13.2	22.2
6 10	19 33.51	−12 26.6	2.254	3.141	10.7	22.0
6 20	19 27.07	−12 52.5	2.169	3.124	7.7	21.8
6 30	19 19.05	−13 28.4	2.110	3.106	4.5	21.6
7 10	19 10.12	−14 12.6	2.079	3.088	2.7	21.4
7 20	19 1.06	−15 2.7	2.076	3.070	4.8	21.5
7 30	18 52.75	−15 55.8	2.101	3.050	8.1	21.7
8 9	18 45.95	−16 49.1	2.151	3.031	11.3	21.9
310367	2011 UT_{335}		7 8.5	186.°95	1.°8/ 8.9	17
5 31	19 40.17	−17 7.6	1.349	2.192	18.9	21.0
6 10	19 36.52	−17 16.2	1.276	2.192	15.0	20.8
6 20	19 29.73	−17 36.2	1.220	2.192	10.4	20.5
6 30	19 20.46	−18 5.8	1.186	2.192	5.3	20.2
7 10	19 9.88	−18 41.5	1.177	2.192	1.8	20.0
7 20	18 59.41	−19 19.4	1.192	2.192	6.4	20.3
7 30	18 50.54	−19 56.3	1.230	2.192	11.4	20.6
8 9	18 44.39	−20 29.8	1.290	2.191	15.9	20.8

102470 1999 TQ_{239} 7 8.5 247.°23 0.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.19	−21 38.4	1.639	2.476	16.4	20.4
6 10	19 36.22	−22 12.3	1.553	2.468	12.9	20.2
6 20	19 29.41	−22 53.9	1.487	2.460	8.8	19.9
6 30	19 20.30	−23 39.5	1.444	2.451	4.1	19.6
7 10	19 9.90	−24 24.6	1.427	2.443	1.2	19.4
7 20	18 59.46	−25 4.8	1.436	2.434	5.9	19.7
7 30	18 50.31	−25 37.5	1.470	2.425	10.5	19.9
8 9	18 43.55	−26 1.9	1.527	2.416	14.6	20.2

48168 2001 HC_{12} 7 8.5 183.°69 3.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.77	−14 20.8	1.693	2.514	16.6	19.7
6 10	19 35.49	−14 4.2	1.613	2.514	13.3	19.5
6 20	19 28.64	−13 57.1	1.552	2.514	9.5	19.3
6 30	19 19.82	−13 59.8	1.515	2.514	5.5	19.1
7 10	19 10.01	−14 11.2	1.503	2.514	3.3	18.9
7 20	19 0.30	−14 29.5	1.518	2.513	6.0	19.1
7 30	18 51.86	−14 52.6	1.558	2.512	10.0	19.3
8 9	18 45.59	−15 18.5	1.620	2.511	13.8	19.5

510504 2012 BW_3 7 8.5 173.°85 1.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.77	−27 47.1	2.895	3.709	10.6	22.5
6 10	19 32.92	−28 0.4	2.809	3.711	8.3	22.4
6 20	19 26.37	−28 13.1	2.746	3.712	5.6	22.2
6 30	19 18.60	−28 23.1	2.710	3.713	2.9	22.0
7 10	19 10.24	−28 28.5	2.702	3.714	1.8	21.9
7 20	19 1.99	−28 28.2	2.724	3.715	4.0	22.1
7 30	18 54.56	−28 21.9	2.774	3.716	6.8	22.3
8 9	18 48.54	−28 10.4	2.849	3.716	9.3	22.4

365057 2008 YJ_{12} 7 8.5 172.°95 1.°5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.30	−23 36.7	1.530	2.368	17.3	21.7
6 10	19 38.75	−24 8.3	1.454	2.370	13.6	21.5
6 20	19 31.12	−24 45.4	1.398	2.371	9.2	21.2
6 30	19 21.08	−25 23.5	1.365	2.373	4.4	20.9
7 10	19 9.78	−25 57.8	1.358	2.373	1.8	20.8
7 20	18 58.62	−26 24.2	1.377	2.374	6.3	21.1
7 30	18 49.03	−26 41.2	1.421	2.374	10.9	21.3
8 9	18 42.09	−26 49.5	1.486	2.373	15.0	21.6

504115 2006 PF_{19} 7 8.5 345.°76 4.°9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 30.62	−10 47.8	1.086	1.947	21.2	20.6
6 10	19 29.64	−10 49.7	1.013	1.936	17.4	20.3
6 20	19 25.44	−11 12.8	0.956	1.927	12.8	20.0
6 30	19 18.58	−11 58.5	0.918	1.918	7.9	19.7
7 10	19 10.21	−13 4.4	0.901	1.912	4.9	19.5
7 20	19 1.82	−14 24.9	0.906	1.906	7.8	19.6
7 30	18 55.01	−15 52.2	0.932	1.903	12.9	19.9
8 9	18 51.08	−17 18.8	0.977	1.900	17.7	20.2

61248 2000 OH_{23} 7 8.5 339.°96 4.°0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.04	−29 43.9	1.305	2.167	18.3	18.3
6 10	19 34.57	−30 6.2	1.228	2.156	14.5	18.0
6 20	19 28.68	−30 27.5	1.170	2.146	10.2	17.8
6 30	19 20.05	−30 42.5	1.132	2.137	5.8	17.5
7 10	19 9.97	−30 45.9	1.118	2.129	4.1	17.4
7 20	19 0.01	−30 35.0	1.127	2.121	7.8	17.5
7 30	18 51.84	−30 10.3	1.158	2.115	12.4	17.8
8 9	18 46.66	−29 35.0	1.210	2.110	16.8	18.0

151471 2002 GD_{161} 7 8.5 349.°46 2.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.20	−14 45.8	2.157	2.975	13.6	19.5
6 10	19 30.65	−15 2.4	2.072	2.973	10.8	19.3
6 20	19 25.13	−15 28.4	2.007	2.971	7.6	19.1
6 30	19 18.12	−16 2.6	1.968	2.970	4.1	18.9
7 10	19 10.33	−16 42.9	1.955	2.968	2.0	18.8
7 20	19 2.58	−17 26.7	1.970	2.967	4.6	18.9
7 30	18 55.72	−18 11.4	2.011	2.966	8.1	19.1
8 9	18 50.48	−18 54.6	2.077	2.966	11.3	19.3

519912 2013 QH_{96} 7 8.5 238.°97 3.°9/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.71	−31 32.7	1.761	2.591	15.7	22.4
6 10	19 39.71	−31 51.9	1.674	2.582	12.5	22.1
6 20	19 31.71	−32 8.3	1.607	2.573	8.9	21.9
6 30	19 21.34	−32 16.8	1.564	2.564	5.3	21.7
7 10	19 9.75	−32 13.2	1.547	2.554	4.0	21.6
7 20	18 58.28	−31 55.3	1.556	2.544	6.9	21.7
7 30	18 48.32	−31 24.3	1.591	2.534	10.8	21.9
8 9	18 40.93	−30 43.5	1.648	2.523	14.4	22.1

70976 1999 XS_{23} 7 8.5 191.°83 1.°0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.97	−23 12.0	2.021	2.848	14.0	19.4
6 10	19 34.61	−23 39.3	1.937	2.847	11.0	19.2
6 20	19 27.94	−24 10.7	1.876	2.847	7.4	19.0
6 30	19 19.48	−24 43.2	1.839	2.846	3.5	18.7
7 10	19 10.10	−25 13.5	1.829	2.845	1.2	18.6
7 20	19 0.79	−25 38.8	1.847	2.843	5.0	18.8
7 30	18 52.59	−25 57.7	1.891	2.842	8.8	19.0
8 9	18 46.33	−26 10.0	1.959	2.840	12.2	19.3

432799 2011 GR_7 7 8.5 213.°97 13.°2/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.18	+11 40.9	1.975	2.675	18.4	21.2
6 10	19 32.33	+13 2.2	1.900	2.673	16.8	21.0
6 20	19 26.35	+14 1.3	1.842	2.671	15.2	20.9
6 30	19 18.73	+14 32.3	1.801	2.669	13.9	20.8
7 10	19 10.24	+14 31.7	1.782	2.666	13.2	20.8
7 20	19 1.78	+13 58.8	1.783	2.664	13.4	20.8
7 30	18 54.29	+12 56.5	1.806	2.661	14.3	20.8
8 9	18 48.56	+11 30.6	1.848	2.658	15.8	20.9

19664 Yancey 7 8.5 14.°51 5.°8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.08	−35 42.9	1.682	2.523	15.8	18.0
6 10	19 35.37	−36 19.3	1.616	2.527	12.8	17.8
6 20	19 28.72	−36 49.9	1.571	2.532	9.5	17.6
6 30	19 19.89	−37 8.7	1.548	2.538	6.6	17.5
7 10	19 10.04	−37 11.4	1.549	2.545	6.0	17.4
7 20	19 0.54	−36 56.0	1.576	2.552	8.0	17.6
7 30	18 52.67	−36 24.1	1.626	2.561	11.2	17.8
8 9	18 47.37	−35 39.7	1.698	2.570	14.2	18.0

468798 2012 FX_{72} 7 8.5 103.°73 3.°3/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 46.40	−24 49.4	1.737	2.561	16.1	21.6
6 10	19 40.78	−26 27.8	1.676	2.584	12.5	21.4
6 20	19 32.28	−28 11.9	1.638	2.607	8.5	21.2
6 30	19 21.56	−29 54.1	1.626	2.629	4.6	21.1
7 10	19 9.74	−31 26.4	1.642	2.650	3.6	21.0
7 20	18 58.12	−32 42.7	1.686	2.671	6.7	21.3
7 30	18 48.01	−33 40.5	1.756	2.691	10.5	21.5
8 9	18 40.41	−34 20.7	1.849	2.710	13.8	21.8

510870 2013 CJ_{109} 7 8.5 145.°87 2.°4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.02	−11 58.5	2.613	3.408	12.1	21.6
6 10	19 31.63	−12 22.6	2.529	3.414	9.7	21.4
6 20	19 25.57	−12 56.1	2.466	3.421	6.9	21.2
6 30	19 18.28	−13 38.2	2.430	3.427	4.0	21.1
7 10	19 10.36	−14 26.8	2.423	3.432	2.4	21.0
7 20	19 2.49	−15 19.5	2.444	3.438	4.2	21.1
7 30	18 55.39	−16 13.6	2.493	3.443	7.0	21.3
8 9	18 49.64	−17 6.9	2.569	3.448	9.7	21.5

208478 2001 UO_{132} 7 8.5 246.°40 4.°5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.75	−13 45.9	1.509	2.335	18.0	20.3
6 10	19 36.68	−13 7.5	1.423	2.327	14.6	20.0
6 20	19 29.72	−12 38.4	1.357	2.319	10.6	19.8
6 30	19 20.46	−12 19.8	1.313	2.310	6.6	19.5
7 10	19 9.95	−12 12.3	1.293	2.301	4.5	19.4
7 20	18 59.46	−12 15.2	1.299	2.292	7.2	19.5
7 30	18 50.34	−12 27.1	1.329	2.282	11.5	19.7
8 9	18 43.65	−12 45.7	1.380	2.273	15.6	19.9

151041 2001 UX_{201} 7 8.5 131.°39 0.°4/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.32	−20 48.4	1.907	2.730	14.9	20.9
6 10	19 36.37	−20 49.6	1.833	2.740	11.7	20.7
6 20	19 29.05	−20 55.3	1.780	2.749	7.9	20.5
6 30	19 19.97	−21 3.5	1.751	2.758	3.8	20.3
7 10	19 10.07	−21 12.1	1.750	2.766	0.8	20.1
7 20	19 0.40	−21 19.4	1.775	2.774	4.9	20.4
7 30	18 51.98	−21 24.7	1.828	2.781	8.9	20.6
8 9	18 45.62	−21 27.6	1.904	2.788	12.3	20.9

515418 2013 HF_{92} 7 8.5 185.°54 6.°4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.54	+ 1 21.1	3.099	3.829	11.7	22.9
6 10	19 30.18	+ 1 59.6	3.010	3.829	10.1	22.8
6 20	19 24.45	+ 2 26.4	2.942	3.828	8.5	22.6
6 30	19 17.72	+ 2 39.7	2.897	3.827	7.1	22.5
7 10	19 10.48	+ 2 38.6	2.879	3.825	6.4	22.5
7 20	19 3.27	+ 2 23.2	2.888	3.823	6.9	22.5
7 30	18 56.66	+ 1 55.1	2.922	3.820	8.1	22.6
8 9	18 51.15	+ 1 16.6	2.982	3.817	9.8	22.7

214962 2007 YE_{11} 7 8.5 305.°77 0.°7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.71	−17 41.7	2.107	2.930	13.7	20.0
6 10	19 31.97	−18 11.8	2.019	2.926	10.8	19.8
6 20	19 26.12	−18 50.4	1.953	2.921	7.4	19.6
6 30	19 18.65	−19 35.3	1.911	2.917	3.6	19.4
7 10	19 10.30	−20 23.6	1.897	2.913	0.9	19.2
7 20	19 1.95	−21 12.0	1.910	2.909	4.6	19.4
7 30	18 54.54	−21 57.7	1.950	2.905	8.3	19.6
8 9	18 48.84	−22 39.0	2.014	2.901	11.7	19.8

380266 2001 YU_{47} 7 8.5 320.°93 4.°8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.38	−26 41.5	1.443	2.297	17.2	19.7
6 10	19 34.78	−28 17.9	1.359	2.283	13.7	19.4
6 20	19 28.93	−30 3.8	1.295	2.270	9.6	19.2
6 30	19 20.31	−31 51.5	1.255	2.257	5.8	18.9
7 10	19 9.97	−33 31.2	1.239	2.244	5.1	18.8
7 20	18 59.37	−34 54.1	1.248	2.232	8.6	19.0
7 30	18 50.16	−35 55.5	1.280	2.221	13.0	19.2
8 9	18 43.76	−36 35.1	1.333	2.211	17.0	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
483158	2015 PO_8		7 8.5	284.°51	7.°3/11.4	18
	h m	° ′			°	m
5 31	19 33.38	+ 0 1.7	2.369	3.127	14.2	21.4
6 10	19 29.82	+ 0 32.4	2.276	3.117	12.3	21.2
6 20	19 24.50	+ 0 48.3	2.202	3.107	10.1	21.0
6 30	19 17.84	+ 0 46.9	2.151	3.097	8.3	20.9
7 10	19 10.46	+ 0 27.4	2.125	3.087	7.3	20.8
7 20	19 3.07	− 0 9.6	2.124	3.078	7.9	20.8
7 30	18 56.41	− 1 1.7	2.149	3.068	9.6	20.9
8 9	18 51.15	− 2 5.0	2.197	3.058	11.8	21.1
89615	2001 XW_{187}		7 8.5	310.°39	1.°2/ 8.8	17
5 31	19 36.10	−18 58.5	1.496	2.342	17.2	19.4
6 10	19 33.32	−18 59.5	1.402	2.322	13.7	19.2
6 20	19 27.65	−19 8.6	1.328	2.302	9.5	18.9
6 30	19 19.59	−19 24.6	1.275	2.282	4.7	18.5
7 10	19 10.13	−19 45.1	1.247	2.263	1.4	18.2
7 20	19 0.51	−20 7.3	1.243	2.244	6.1	18.5
7 30	18 52.16	−20 28.9	1.264	2.226	11.1	18.7
8 9	18 46.22	−20 48.4	1.305	2.208	15.6	19.0
87559	2000 RC_4		7 8.5	276.°46	4.°9/ 9.9	18
5 31	19 37.01	− 9 26.2	1.887	2.692	15.7	19.4
6 10	19 33.32	− 9 12.2	1.783	2.671	13.0	19.1
6 20	19 27.28	− 9 10.9	1.699	2.649	9.8	18.9
6 30	19 19.30	− 9 23.6	1.638	2.627	6.6	18.7
7 10	19 10.18	− 9 50.2	1.602	2.604	4.9	18.5
7 20	19 0.88	−10 29.0	1.593	2.582	6.7	18.6
7 30	18 52.48	−11 17.2	1.609	2.559	10.2	18.7
8 9	18 45.93	−12 11.1	1.649	2.536	13.8	18.9
17477	1991 GN_9		7 8.5	168.°47	0.°3/ 8.4	18
5 31	19 42.89	−21 48.4	1.832	2.656	15.4	19.7
6 10	19 37.85	−22 7.8	1.752	2.660	12.1	19.5
6 20	19 30.22	−22 32.3	1.694	2.664	8.2	19.2
6 30	19 20.60	−22 59.0	1.660	2.667	3.8	19.0
7 10	19 9.98	−23 24.4	1.653	2.669	0.8	18.8
7 20	18 59.49	−23 45.8	1.673	2.671	5.2	19.1
7 30	18 50.31	−24 1.9	1.720	2.672	9.4	19.3
8 9	18 43.32	−24 12.5	1.790	2.672	13.1	19.6
137315	1999 TB_{20}		7 8.5	272.°31	3.°0/ 7.6	18
5 31	19 40.99	−26 37.9	1.590	2.432	16.5	20.6
6 10	19 37.22	−27 22.9	1.499	2.416	13.1	20.4
6 20	19 30.35	−28 12.4	1.428	2.400	9.1	20.1
6 30	19 20.90	−29 1.2	1.379	2.384	4.9	19.8
7 10	19 9.91	−29 43.4	1.356	2.368	3.3	19.7
7 20	18 58.76	−30 14.1	1.359	2.351	7.0	19.8
7 30	18 48.98	−30 31.2	1.386	2.334	11.5	20.1
8 9	18 41.81	−30 35.6	1.434	2.318	15.7	20.3
470319	2007 PY_{43}		7 8.5	308.°80	3.°3/ 8.1	18
5 31	19 41.75	−31 18.6	1.656	2.495	16.1	20.6
6 10	19 37.68	−31 14.4	1.559	2.473	12.9	20.3
6 20	19 30.53	−31 5.5	1.482	2.452	9.1	20.0
6 30	19 20.90	−30 47.7	1.428	2.431	5.2	19.7
7 10	19 9.92	−30 17.7	1.400	2.410	3.5	19.6
7 20	18 58.97	−29 34.4	1.397	2.390	6.8	19.7
7 30	18 49.50	−28 39.9	1.418	2.370	11.1	19.9
8 9	18 42.65	−27 38.1	1.462	2.350	15.2	20.1
39042	2000 UX_{89}		7 8.5	11.°71	4.°7/10.2	18
5 31	19 34.29	− 8 31.5	2.121	2.921	14.4	19.2
6 10	19 30.68	− 8 14.8	2.039	2.922	11.8	19.0
6 20	19 25.13	− 8 9.9	1.978	2.923	8.9	18.8
6 30	19 18.14	− 8 17.6	1.940	2.924	6.1	18.6
7 10	19 10.43	− 8 37.7	1.927	2.925	4.7	18.6
7 20	19 2.79	− 9 8.5	1.942	2.926	6.0	18.6
7 30	18 56.07	− 9 47.7	1.982	2.928	8.8	18.8
8 9	18 50.93	−10 32.2	2.046	2.930	11.7	19.0
359881	2011 WU_{32}		7 8.5	78.°67	2.°7/ 9.2	17
5 31	19 40.33	−15 22.1	1.332	2.172	19.2	20.9
6 10	19 36.52	−15 22.3	1.266	2.180	15.3	20.6
6 20	19 29.64	−15 35.0	1.219	2.189	10.7	20.4
6 30	19 20.41	−15 59.0	1.194	2.197	5.8	20.2
7 10	19 10.05	−16 31.5	1.192	2.206	2.8	20.0
7 20	18 59.94	−17 8.9	1.215	2.214	6.5	20.2
7 30	18 51.49	−17 47.6	1.261	2.222	11.2	20.5
8 9	18 45.73	−18 24.8	1.329	2.231	15.5	20.8
387097	2012 TH_{128}		7 8.5	283.°43	2.°7/ 9.4	18
5 31	19 36.68	−14 13.5	1.845	2.667	15.4	20.7
6 10	19 32.98	−14 17.9	1.759	2.661	12.3	20.5
6 20	19 26.94	−14 32.9	1.693	2.656	8.8	20.3
6 30	19 19.10	−14 57.8	1.650	2.651	4.9	20.0
7 10	19 10.27	−15 30.7	1.633	2.645	2.7	19.9
7 20	19 1.47	−16 9.1	1.643	2.640	5.4	20.0
7 30	18 53.73	−16 50.1	1.679	2.635	9.3	20.2
8 9	18 47.91	−17 31.0	1.738	2.630	12.9	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
164486	2006 FR_{34}		7 8.5	18.°42	0.°7/ 8.4	17
	h m	° ′			°	m
5 31	19 37.41	−24 51.7	1.350	2.207	18.0	19.2
6 10	19 34.25	−24 39.0	1.288	2.214	14.1	19.0
6 20	19 28.06	−24 27.5	1.245	2.223	9.5	18.7
6 30	19 19.63	−24 15.0	1.224	2.232	4.5	18.5
7 10	19 10.21	−23 59.5	1.226	2.242	1.1	18.3
7 20	19 1.19	−23 40.1	1.253	2.254	6.0	18.6
7 30	18 53.90	−23 17.5	1.304	2.266	10.8	18.9
8 9	18 49.27	−22 53.1	1.375	2.279	14.9	19.2
314494	2005 WW_{184}		7 8.5	228.°18	3.°6/ 6.9	18
5 31	19 38.60	−31 57.1	2.573	3.391	11.6	21.1
6 10	19 34.07	−32 44.5	2.484	3.385	9.2	20.9
6 20	19 27.47	−33 30.8	2.418	3.379	6.6	20.8
6 30	19 19.30	−34 12.1	2.379	3.373	4.3	20.6
7 10	19 10.27	−34 44.7	2.367	3.366	3.8	20.6
7 20	19 1.25	−35 6.0	2.382	3.359	5.7	20.7
7 30	18 53.14	−35 15.4	2.425	3.352	8.3	20.8
8 9	18 46.68	−35 13.8	2.492	3.345	10.9	21.0
333165	2012 CG_{12}		7 8.5	245.°35	0.°1/ 8.6	17
5 31	19 41.39	−20 5.0	1.650	2.481	16.5	21.9
6 10	19 37.22	−20 26.0	1.557	2.468	13.1	21.7
6 20	19 30.17	−20 55.2	1.484	2.455	9.0	21.4
6 30	19 20.77	−21 29.9	1.435	2.442	4.3	21.1
7 10	19 10.00	−22 6.3	1.411	2.427	0.7	20.8
7 20	18 59.11	−22 40.7	1.414	2.413	5.8	21.1
7 30	18 49.46	−23 10.5	1.442	2.398	10.6	21.4
8 9	18 42.18	−23 34.6	1.493	2.382	14.8	21.6
186782	2004 DT_{47}		7 8.5	84.°38	5.°4/10.2	17
5 31	19 40.33	− 8 56.7	1.622	2.430	17.7	20.4
6 10	19 35.73	− 8 33.3	1.563	2.451	14.4	20.2
6 20	19 28.67	− 8 24.5	1.522	2.471	10.8	20.1
6 30	19 19.82	− 8 31.2	1.504	2.491	7.2	19.9
7 10	19 10.21	− 8 52.6	1.511	2.511	5.4	19.8
7 20	19 0.93	− 9 26.3	1.544	2.531	7.0	20.0
7 30	18 53.05	−10 8.8	1.602	2.550	10.3	20.2
8 9	18 47.35	−10 56.2	1.682	2.569	13.6	20.5
132344	2002 GA_{44}		7 8.5	160.°81	3.°5/ 7.5	18
5 31	19 43.05	−31 11.1	2.189	3.008	13.4	21.1
6 10	19 37.72	−31 45.4	2.111	3.014	10.6	20.9
6 20	19 29.99	−32 17.8	2.055	3.018	7.5	20.7
6 30	19 20.47	−32 44.2	2.025	3.023	4.5	20.5
7 10	19 10.09	−33 0.6	2.022	3.027	3.6	20.5
7 20	18 59.87	−33 5.1	2.047	3.030	5.9	20.6
7 30	18 50.88	−32 57.7	2.098	3.033	9.0	20.8
8 9	18 43.93	−32 40.5	2.174	3.035	11.9	21.0
245663	2006 AC_{17}		7 8.5	136.°89	0.°6/ 8.7	17
5 31	19 39.12	−19 20.4	1.863	2.689	15.1	21.1
6 10	19 34.84	−19 37.3	1.784	2.693	11.9	20.9
6 20	19 28.16	−20 1.1	1.727	2.697	8.1	20.7
6 30	19 19.65	−20 29.7	1.694	2.700	3.9	20.5
7 10	19 10.24	−21 0.0	1.688	2.704	0.8	20.2
7 20	19 0.94	−21 29.4	1.708	2.707	5.0	20.5
7 30	18 52.83	−21 55.7	1.755	2.710	9.0	20.8
8 9	18 46.75	−22 18.1	1.825	2.713	12.6	21.0
87470	2000 QM_{133}		7 8.5	199.°79	9.°4/ 7.1	18
5 31	19 54.44	−47 41.8	1.983	2.769	15.7	19.1
6 10	19 47.56	−48 23.8	1.908	2.767	13.5	18.9
6 20	19 37.08	−48 52.1	1.853	2.765	11.4	18.7
6 30	19 23.90	−48 58.5	1.820	2.762	9.8	18.6
7 10	19 9.52	−48 37.1	1.812	2.759	9.4	18.6
7 20	18 55.69	−47 46.8	1.828	2.756	10.6	18.7
7 30	18 44.04	−46 31.1	1.869	2.753	12.7	18.8
8 9	18 35.65	−44 57.7	1.932	2.749	15.0	19.0
504904	2011 AV_{32}		7 8.5	258.°35	1.°5/ 8.2	18
5 31	19 42.79	−25 17.4	1.807	2.636	15.4	22.3
6 10	19 38.21	−25 30.5	1.706	2.617	12.2	22.1
6 20	19 30.80	−25 46.0	1.626	2.597	8.4	21.8
6 30	19 21.08	−26 0.5	1.570	2.576	4.1	21.5
7 10	19 10.01	−26 10.4	1.540	2.555	1.7	21.3
7 20	18 58.81	−26 13.1	1.538	2.534	5.8	21.5
7 30	18 48.82	−26 8.1	1.561	2.512	10.3	21.7
8 9	18 41.12	−25 56.3	1.607	2.489	14.3	21.9
90106	2002 XY_{33}		7 8.5	41.°65	3.°1/ 7.8	18
5 31	19 40.76	−25 48.9	1.075	1.943	20.9	18.2
6 10	19 37.77	−26 32.1	1.021	1.953	16.4	18.0
6 20	19 30.96	−27 20.0	0.984	1.964	11.2	17.7
6 30	19 21.18	−28 5.8	0.968	1.975	5.7	17.5
7 10	19 10.03	−28 42.4	0.974	1.987	3.4	17.4
7 20	18 59.33	−29 4.9	1.002	1.999	7.9	17.7
7 30	18 50.86	−29 12.6	1.052	2.012	13.0	18.0
8 9	18 45.79	−29 7.8	1.121	2.025	17.5	18.3

180930 2005 LS_{30} 7 8.5 48.°93 1.°0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.88	−21 6.5	2.009	2.834	14.2	19.7
6 10	19 34.35	−20 41.7	1.932	2.840	11.1	19.5
6 20	19 27.65	−20 19.4	1.878	2.847	7.6	19.3
6 30	19 19.36	−19 59.0	1.848	2.853	3.7	19.1
7 10	19 10.35	−19 39.7	1.845	2.860	1.1	18.9
7 20	19 1.58	−19 21.2	1.869	2.867	4.7	19.1
7 30	18 53.97	−19 3.7	1.920	2.874	8.4	19.4
8 9	18 48.25	−18 47.5	1.994	2.882	11.7	19.6

248680 2006 KO_{11} 7 8.5 13.°01 5.°3/ 9.6 16

5 31	19 32.21	−13 19.8	1.190	2.048	19.9	19.6
6 10	19 30.33	−12 29.4	1.134	2.055	16.1	19.4
6 20	19 25.51	−11 51.6	1.094	2.063	11.7	19.2
6 30	19 18.50	−11 28.6	1.075	2.073	7.5	19.0
7 10	19 10.50	−11 20.9	1.078	2.085	5.3	18.9
7 20	19 2.85	−11 27.6	1.103	2.098	7.7	19.1
7 30	18 56.82	−11 45.9	1.150	2.113	11.8	19.3
8 9	18 53.33	−12 11.8	1.217	2.129	15.8	19.6

283712 2002 TA_{104} 7 8.5 307.°94 2.°7/ 8.0 18

5 31	19 40.38	−29 20.2	1.842	2.676	14.9	20.4
6 10	19 36.12	−29 27.5	1.755	2.668	11.8	20.2
6 20	19 29.19	−29 33.1	1.690	2.660	8.2	19.9
6 30	19 20.21	−29 33.2	1.649	2.652	4.4	19.7
7 10	19 10.20	−29 25.0	1.634	2.645	2.8	19.6
7 20	19 0.32	−29 6.9	1.645	2.638	5.9	19.8
7 30	18 51.78	−28 39.7	1.681	2.631	9.8	20.0
8 9	18 45.50	−28 5.6	1.741	2.624	13.4	20.2

40085 1998 MW_{32} 7 8.5 51.°39 2.°7/ 8.9 18

5 31	19 43.57	−17 59.6	1.178	2.026	20.7	17.8
6 10	19 38.90	−17 26.4	1.136	2.055	16.2	17.6
6 20	19 31.03	−17 2.1	1.113	2.085	11.2	17.4
6 30	19 20.94	−16 46.4	1.110	2.115	5.8	17.2
7 10	19 10.12	−16 37.9	1.132	2.145	2.8	17.1
7 20	19 0.06	−16 35.2	1.177	2.176	6.6	17.4
7 30	18 52.08	−16 37.1	1.245	2.207	11.3	17.8
8 9	18 47.01	−16 42.0	1.335	2.237	15.4	18.1

416067 2002 KM_{16} 7 8.5 16.°64 1.°3/ 8.5 17

5 31	19 41.99	−24 18.1	1.145	2.006	20.3	19.7
6 10	19 38.28	−23 10.7	1.082	2.010	16.1	19.5
6 20	19 31.01	−22 1.0	1.037	2.015	11.0	19.2
6 30	19 21.11	−20 49.5	1.013	2.021	5.3	18.9
7 10	19 10.08	−19 37.7	1.013	2.028	1.6	18.7
7 20	18 59.61	−18 28.9	1.036	2.037	6.9	19.0
7 30	18 51.25	−17 26.6	1.081	2.046	12.2	19.4
8 9	18 46.02	−16 33.2	1.147	2.056	16.9	19.7

295216 2008 FO_{132} 7 8.5 338.°97 0.°3/ 8.7 18

5 31	19 34.23	−19 26.1	1.918	2.752	14.4	20.3
6 10	19 31.10	−19 50.0	1.831	2.744	11.3	20.1
6 20	19 25.72	−20 21.3	1.765	2.737	7.7	19.9
6 30	19 18.58	−20 58.1	1.723	2.730	3.7	19.6
7 10	19 10.50	−21 37.1	1.707	2.723	0.7	19.4
7 20	19 2.42	−22 15.4	1.718	2.717	4.8	19.7
7 30	18 55.37	−22 50.5	1.754	2.712	8.9	19.9
8 9	18 50.17	−23 20.8	1.814	2.707	12.4	20.1

1383 Limburgia 7 8.5 306.°57 0.°0/ 8.4 18

5 31	19 35.80	−21 32.4	2.044	2.874	13.8	16.6
6 10	19 32.28	−21 40.1	1.944	2.856	10.9	16.4
6 20	19 26.51	−21 52.2	1.866	2.838	7.4	16.2
6 30	19 18.97	−22 7.0	1.812	2.819	3.5	15.9
7 10	19 10.43	−22 22.2	1.785	2.802	0.6	15.6
7 20	19 1.83	−22 35.8	1.785	2.784	4.8	15.9
7 30	18 54.18	−22 46.5	1.811	2.766	8.8	16.1
8 9	18 48.33	−22 53.9	1.860	2.749	12.4	16.3

99024 2001 DO_{90} 7 8.5 10.°82 2.°1/ 8.4 18

5 31	19 41.32	−29 7.0	1.519	2.364	17.0	18.8
6 10	19 37.14	−28 45.5	1.447	2.366	13.4	18.5
6 20	19 29.96	−28 20.0	1.395	2.368	9.2	18.3
6 30	19 20.56	−27 47.9	1.366	2.372	4.7	18.1
7 10	19 10.18	−27 7.5	1.361	2.376	2.2	17.9
7 20	19 0.20	−26 19.2	1.383	2.380	6.1	18.2
7 30	18 51.92	−25 25.7	1.429	2.386	10.5	18.4
8 9	18 46.28	−24 30.4	1.497	2.392	14.5	18.7

143816 2003 WC_{137} 7 8.5 258.°29 2.°7/ 7.7 18

5 31	19 41.37	−25 57.7	1.614	2.454	16.4	20.3
6 10	19 37.43	−26 43.1	1.527	2.443	13.0	20.0
6 20	19 30.45	−27 33.3	1.459	2.432	9.0	19.8
6 30	19 20.99	−28 23.4	1.415	2.420	4.7	19.5
7 10	19 10.08	−29 7.3	1.396	2.408	3.0	19.3
7 20	18 59.09	−29 40.6	1.403	2.396	6.8	19.5
7 30	18 49.46	−30 1.0	1.435	2.384	11.2	19.8
8 9	18 42.38	−30 9.3	1.488	2.371	15.2	20.0

236704 2007 EM_{118} 7 8.5 31.°75 0.°6/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.15	−19 16.0	1.054	1.921	21.3	20.7
6 10	19 35.61	−19 33.0	0.997	1.929	16.8	20.4
6 20	19 29.46	−20 1.7	0.957	1.937	11.4	20.1
6 30	19 20.50	−20 38.5	0.937	1.945	5.5	19.8
7 10	19 10.19	−21 18.6	0.939	1.955	1.0	19.6
7 20	19 0.24	−21 56.8	0.963	1.965	7.0	20.0
7 30	18 52.32	−22 29.6	1.009	1.976	12.5	20.3
8 9	18 47.60	−22 55.6	1.074	1.987	17.3	20.7

340557 2006 KH_{64} 7 8.5 214.°79 6.°0/10.3 18

5 31	19 36.65	− 6 27.2	2.042	2.832	15.2	21.6
6 10	19 32.63	− 5 53.7	1.957	2.830	12.7	21.4
6 20	19 26.56	− 5 32.8	1.891	2.827	9.8	21.2
6 30	19 18.92	− 5 26.3	1.850	2.825	7.2	21.0
7 10	19 10.47	− 5 34.9	1.833	2.822	6.0	20.9
7 20	19 2.07	− 5 57.5	1.843	2.819	7.1	21.0
7 30	18 54.62	− 6 32.1	1.878	2.816	9.7	21.2
8 9	18 48.86	− 7 15.2	1.937	2.813	12.5	21.3

246241 2007 RQ_{301} 7 8.5 288.°86 7.°5/11.1 18

5 31	19 34.88	− 2 20.5	1.959	2.739	16.1	20.9
6 10	19 31.44	− 1 50.3	1.868	2.728	13.7	20.7
6 20	19 25.87	− 1 36.3	1.796	2.718	11.1	20.5
6 30	19 18.65	− 1 41.3	1.746	2.707	8.7	20.4
7 10	19 10.51	− 2 6.2	1.720	2.697	7.5	20.3
7 20	19 2.33	− 2 49.9	1.719	2.687	8.3	20.3
7 30	18 55.06	− 3 49.3	1.743	2.676	10.6	20.4
8 9	18 49.50	− 4 59.6	1.790	2.666	13.4	20.6

340479 2006 HO_{57} 7 8.5 218.°42 7.°9/ 5.7 18

5 31	19 45.63	−41 44.1	2.046	2.856	14.5	20.6
6 10	19 40.56	−42 56.5	1.969	2.852	12.2	20.5
6 20	19 32.43	−44 1.7	1.914	2.847	9.9	20.3
6 30	19 21.85	−44 52.3	1.882	2.843	8.2	20.2
7 10	19 9.96	−45 21.9	1.875	2.838	8.1	20.2
7 20	18 58.15	−45 27.4	1.893	2.833	9.6	20.3
7 30	18 47.87	−45 9.4	1.936	2.828	11.9	20.4
8 9	18 40.23	−44 32.4	2.000	2.822	14.3	20.6

506648 2006 RP_{122} 7 8.5 278.°69 1.°5/ 8.2 17

5 31	19 40.78	−24 17.9	1.585	2.426	16.6	22.1
6 10	19 37.05	−24 38.3	1.489	2.406	13.2	21.8
6 20	19 30.27	−25 3.4	1.412	2.385	9.1	21.5
6 30	19 20.95	−25 29.4	1.358	2.365	4.4	21.2
7 10	19 10.10	−25 52.2	1.329	2.344	1.7	21.0
7 20	18 59.06	−26 8.1	1.325	2.323	6.3	21.2
7 30	18 49.32	−26 15.5	1.346	2.302	11.2	21.5
8 9	18 42.12	−26 15.0	1.389	2.280	15.6	21.7

122415 2000 QF_{94} 7 8.5 276.°94 0.°7/ 8.4 18 R

5 31	19 40.78	−24 18.9	1.799	2.631	15.3	20.3
6 10	19 36.55	−24 16.4	1.701	2.613	12.1	20.1
6 20	19 29.62	−24 15.7	1.623	2.595	8.3	19.8
6 30	19 20.51	−24 14.2	1.570	2.577	4.0	19.5
7 10	19 10.19	−24 9.6	1.543	2.559	1.0	19.2
7 20	18 59.81	−24 0.3	1.542	2.540	5.5	19.5
7 30	18 50.64	−23 46.1	1.567	2.521	10.0	19.7
8 9	18 43.70	−23 28.1	1.615	2.503	14.0	19.9

329313 2000 SG_{183} 7 8.5 293.°82 2.°1/ 8.9 18

5 31	19 38.31	−17 21.4	1.389	2.234	18.3	21.0
6 10	19 35.46	−17 18.2	1.289	2.207	14.8	20.7
6 20	19 29.44	−17 25.1	1.208	2.180	10.4	20.4
6 30	19 20.66	−17 41.7	1.148	2.154	5.5	20.0
7 10	19 10.13	−18 5.7	1.112	2.127	2.2	19.7
7 20	18 59.24	−18 34.3	1.100	2.100	6.7	19.9
7 30	18 49.59	−19 4.5	1.111	2.073	12.2	20.1
8 9	18 42.57	−19 34.0	1.142	2.047	17.2	20.4

510836 2013 CJ_{33} 7 8.5 131.°63 0.°2/ 8.5 18

5 31	19 39.86	−23 54.9	2.594	3.406	11.7	21.6
6 10	19 34.62	−23 43.8	2.515	3.416	9.1	21.5
6 20	19 27.59	−23 33.3	2.458	3.426	6.2	21.3
6 30	19 19.29	−23 22.1	2.429	3.435	2.9	21.1
7 10	19 10.44	−23 9.1	2.428	3.444	0.6	20.9
7 20	19 1.79	−22 53.8	2.456	3.453	3.9	21.2
7 30	18 54.09	−22 36.4	2.512	3.461	7.0	21.4
8 9	18 47.94	−22 17.6	2.593	3.469	9.8	21.6

398911 2013 CW_{148} 7 8.5 109.°80 0.°5/ 8.7 18

5 31	19 36.26	−19 37.5	2.341	3.160	12.6	21.9
6 10	19 32.13	−19 51.9	2.259	3.163	9.9	21.7
6 20	19 26.11	−20 11.5	2.199	3.167	6.7	21.5
6 30	19 18.68	−20 34.5	2.165	3.171	3.2	21.3
7 10	19 10.55	−20 58.9	2.158	3.174	0.7	21.1
7 20	19 2.52	−21 22.6	2.179	3.178	4.1	21.4
7 30	18 55.39	−21 44.3	2.228	3.181	7.5	21.6
8 9	18 49.83	−22 3.0	2.301	3.184	10.5	21.8

50234 2000 BP 7 8.5 349.°54 0.°0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.61	−23 48.9	1.282	2.140	18.8	18.5
6 10	19 35.59	−23 29.7	1.208	2.135	14.8	18.2
6 20	19 29.29	−23 12.4	1.153	2.131	10.1	17.9
6 30	19 20.42	−22 55.0	1.119	2.128	4.8	17.6
7 10	19 10.26	−22 35.5	1.108	2.125	0.8	17.3
7 20	19 0.32	−22 13.3	1.122	2.123	6.4	17.7
7 30	18 52.13	−21 49.0	1.158	2.122	11.6	18.0
8 9	18 46.80	−21 23.9	1.214	2.121	16.2	18.2

312549 2009 FE_{29} 7 8.6 42.°45 2.°1/ 7.9 17

5 31	19 39.58	−22 57.8	1.230	2.088	19.4	19.9
6 10	19 36.43	−23 51.3	1.170	2.097	15.2	19.7
6 20	19 29.89	−24 53.2	1.129	2.107	10.3	19.4
6 30	19 20.70	−25 57.5	1.110	2.118	5.0	19.2
7 10	19 10.22	−26 56.9	1.114	2.128	2.4	19.0
7 20	19 0.02	−27 45.6	1.142	2.140	7.1	19.4
7 30	18 51.69	−28 20.7	1.193	2.151	12.0	19.7
8 9	18 46.36	−28 42.5	1.264	2.163	16.3	20.0

40600 1999 RZ_{150} 7 8.6 350.°25 0.°7/ 8.4 18

5 31	19 34.88	−21 44.6	1.138	2.008	19.8	18.3
6 10	19 33.11	−22 8.3	1.068	2.002	15.7	18.0
6 20	19 27.89	−22 41.0	1.016	1.997	10.7	17.7
6 30	19 19.88	−23 19.2	0.983	1.992	5.1	17.4
7 10	19 10.35	−23 57.4	0.973	1.989	1.2	17.1
7 20	19 0.92	−24 30.9	0.985	1.987	7.0	17.5
7 30	18 53.28	−24 56.4	1.019	1.986	12.5	17.8
8 9	18 48.67	−25 13.3	1.072	1.986	17.3	18.1

94341 2001 QM_{74} 7 8.6 263.°46 4.°5/ 7.5 18

5 31	19 44.56	−30 36.6	1.497	2.338	17.4	19.7
6 10	19 40.39	−31 13.0	1.408	2.322	14.0	19.5
6 20	19 32.74	−31 49.5	1.337	2.306	10.0	19.2
6 30	19 22.19	−32 19.5	1.289	2.290	6.0	18.9
7 10	19 9.95	−32 36.7	1.266	2.273	4.7	18.8
7 20	18 57.61	−32 37.1	1.267	2.256	8.0	18.9
7 30	18 46.90	−32 20.3	1.293	2.238	12.5	19.1
8 9	18 39.17	−31 50.0	1.339	2.220	16.7	19.4

504903 2011 AQ_{16} 7 8.6 278.°65 1.°3/ 8.2 18

5 31	19 40.60	−23 24.4	1.562	2.403	16.8	22.4
6 10	19 36.98	−23 48.8	1.465	2.382	13.4	22.1
6 20	19 30.29	−24 19.3	1.387	2.361	9.2	21.8
6 30	19 21.01	−24 52.3	1.333	2.340	4.5	21.5
7 10	19 10.15	−25 23.2	1.303	2.318	1.6	21.2
7 20	18 59.07	−25 48.1	1.299	2.297	6.4	21.5
7 30	18 49.26	−26 4.7	1.319	2.275	11.3	21.7
8 9	18 42.00	−26 13.0	1.361	2.253	15.8	21.9

349832 2009 CV_{19} 7 8.6 242.°12 1.°6/ 8.2 18

5 31	19 42.15	−27 24.5	2.344	3.160	12.7	21.7
6 10	19 36.96	−27 28.0	2.242	3.145	10.0	21.5
6 20	19 29.53	−27 30.8	2.162	3.129	6.9	21.3
6 30	19 20.38	−27 30.2	2.108	3.113	3.5	21.0
7 10	19 10.30	−27 24.0	2.083	3.096	1.8	20.9
7 20	19 0.23	−27 10.9	2.085	3.079	4.8	21.0
7 30	18 51.16	−26 51.2	2.116	3.061	8.3	21.2
8 9	18 43.89	−26 26.1	2.171	3.043	11.5	21.4

376073 2010 TO_{179} 7 8.6 15.°98 0.°7/ 8.3 15

5 31	19 35.99	−23 7.0	1.863	2.701	14.6	21.2
6 10	19 32.46	−23 22.8	1.788	2.704	11.4	21.0
6 20	19 26.61	−23 42.3	1.735	2.708	7.7	20.8
6 30	19 19.00	−24 2.9	1.705	2.713	3.6	20.6
7 10	19 10.54	−24 21.9	1.702	2.718	1.0	20.4
7 20	19 2.25	−24 37.0	1.725	2.723	5.0	20.7
7 30	18 55.13	−24 47.0	1.773	2.729	8.9	20.9
8 9	18 50.00	−24 51.9	1.845	2.735	12.4	21.2

171145 2005 GD_{66} 7 8.6 218.°95 2.°1/ 9.2 17

5 31	19 37.44	−16 2.1	2.098	2.913	14.0	21.0
6 10	19 33.28	−15 56.1	2.011	2.911	11.1	20.8
6 20	19 27.03	−15 57.2	1.945	2.908	7.8	20.6
6 30	19 19.18	−16 5.0	1.904	2.906	4.3	20.4
7 10	19 10.52	−16 18.1	1.890	2.903	2.2	20.2
7 20	19 1.91	−16 35.1	1.903	2.900	4.8	20.4
7 30	18 54.29	−16 54.2	1.943	2.897	8.4	20.6
8 9	18 48.40	−17 14.2	2.007	2.893	11.7	20.8

252754 2002 EV_{42} 7 8.6 165.°17 7.°7/ 6.2 18

5 31	19 48.46	−48 31.2	2.730	3.501	12.2	21.0
6 10	19 41.99	−49 16.7	2.658	3.504	10.6	20.9
6 20	19 32.91	−49 51.2	2.608	3.507	9.0	20.8
6 30	19 21.92	−50 9.2	2.582	3.510	7.9	20.7
7 10	19 10.07	−50 6.8	2.582	3.512	7.8	20.7
7 20	18 58.55	−49 42.9	2.607	3.515	8.7	20.8
7 30	18 48.49	−48 59.2	2.657	3.516	10.1	20.9
8 9	18 40.74	−48 0.0	2.729	3.518	11.8	21.0

425093 2009 SW_{58} 7 8.6 151.°62 1.°0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.51	−19 27.2	2.101	2.915	14.0	21.6
6 10	19 36.37	−19 23.5	2.022	2.923	11.0	21.4
6 20	19 29.04	−19 24.5	1.964	2.930	7.5	21.2
6 30	19 20.09	−19 28.8	1.932	2.937	3.7	21.0
7 10	19 10.39	−19 34.8	1.928	2.943	1.1	20.8
7 20	19 0.85	−19 41.1	1.951	2.949	4.6	21.1
7 30	18 52.43	−19 46.8	2.002	2.954	8.3	21.3
8 9	18 45.88	−19 51.5	2.077	2.959	11.6	21.6

180352 2003 YD_{75} 7 8.6 273.°42 1.°0/ 8.4 18

5 31	19 42.28	−24 37.1	1.612	2.449	16.6	20.8
6 10	19 38.16	−24 40.0	1.514	2.429	13.2	20.5
6 20	19 31.00	−24 45.3	1.435	2.408	9.1	20.2
6 30	19 21.31	−24 50.0	1.380	2.387	4.4	19.9
7 10	19 10.15	−24 50.6	1.351	2.366	1.3	19.6
7 20	18 58.85	−24 45.1	1.347	2.345	6.1	19.9
7 30	18 48.88	−24 33.0	1.368	2.323	11.0	20.1
8 9	18 41.44	−24 15.6	1.411	2.302	15.4	20.3

118261 1998 FF_{79} 7 8.6 122.°78 0.°6/ 8.8 18

5 31	19 40.68	−19 0.4	2.100	2.915	14.0	20.0
6 10	19 35.70	−19 18.8	2.028	2.930	11.0	19.9
6 20	19 28.57	−19 43.3	1.978	2.945	7.4	19.7
6 30	19 19.88	−20 11.7	1.953	2.959	3.6	19.5
7 10	19 10.45	−20 41.5	1.956	2.972	0.8	19.3
7 20	19 1.21	−21 10.2	1.987	2.985	4.5	19.6
7 30	18 53.08	−21 36.2	2.045	2.998	8.1	19.8
8 9	18 46.79	−21 58.4	2.128	3.010	11.4	20.0

75595 2000 AM_{22} 7 8.6 86.°87 1.°5/ 8.2 18

5 31	19 43.38	−24 42.5	1.577	2.413	16.9	19.2
6 10	19 38.52	−25 3.1	1.516	2.430	13.2	19.0
6 20	19 30.81	−25 26.5	1.475	2.447	8.9	18.8
6 30	19 20.99	−25 48.7	1.457	2.464	4.3	18.6
7 10	19 10.26	−26 6.0	1.466	2.481	1.7	18.4
7 20	18 59.92	−26 15.9	1.500	2.497	5.8	18.7
7 30	18 51.22	−26 17.9	1.560	2.513	10.1	19.0
8 9	18 45.05	−26 13.2	1.642	2.529	13.8	19.3

167706 2004 TS_{135} 7 8.6 293.°75 2.°4/ 8.2 17

5 31	19 41.58	−26 51.4	1.328	2.181	18.5	20.3
6 10	19 38.19	−27 2.6	1.244	2.168	14.7	20.0
6 20	19 31.30	−27 15.3	1.179	2.155	10.2	19.7
6 30	19 21.53	−27 24.8	1.135	2.142	5.2	19.4
7 10	19 10.13	−27 26.7	1.114	2.129	2.6	19.2
7 20	18 58.75	−27 18.0	1.118	2.116	7.2	19.4
7 30	18 49.08	−26 58.8	1.145	2.103	12.4	19.6
8 9	18 42.45	−26 31.8	1.192	2.091	17.1	19.9

245650 2005 YL_{139} 7 8.6 63.°86 1.°5/ 8.2 17

5 31	19 42.07	−22 42.1	1.214	2.069	19.8	20.7
6 10	19 38.32	−23 21.7	1.158	2.083	15.5	20.5
6 20	19 31.12	−24 8.9	1.120	2.097	10.4	20.2
6 30	19 21.28	−24 58.2	1.103	2.111	5.0	20.0
7 10	19 10.21	−25 43.2	1.110	2.125	1.9	19.8
7 20	18 59.54	−26 19.1	1.141	2.140	6.9	20.1
7 30	18 50.85	−26 43.9	1.195	2.154	11.9	20.5
8 9	18 45.22	−26 58.1	1.269	2.169	16.2	20.8

396995 2005 SL_{213} 7 8.6 292.°28 5.°5/ 6.6 18

5 31	19 40.15	−36 11.8	2.172	2.995	13.4	21.3
6 10	19 35.89	−37 1.2	2.084	2.983	10.9	21.1
6 20	19 29.07	−37 46.8	2.018	2.972	8.2	21.0
6 30	19 20.26	−38 23.3	1.977	2.961	6.0	20.8
7 10	19 10.37	−38 45.9	1.961	2.950	5.7	20.8
7 20	19 0.49	−38 51.9	1.972	2.939	7.4	20.9
7 30	18 51.79	−38 41.2	2.008	2.928	10.2	21.0
8 9	18 45.21	−38 16.3	2.066	2.917	12.9	21.2

302234 2001 WB_{24} 7 8.6 295.°89 1.°2/ 8.2 18

5 31	19 37.26	−24 15.7	2.032	2.863	13.8	20.9
6 10	19 33.46	−24 37.5	1.939	2.852	10.9	20.7
6 20	19 27.35	−25 2.7	1.868	2.840	7.4	20.5
6 30	19 19.43	−25 28.3	1.822	2.829	3.6	20.2
7 10	19 10.52	−25 51.3	1.803	2.818	1.4	20.0
7 20	19 1.59	−26 9.2	1.810	2.807	5.1	20.3
7 30	18 53.70	−26 20.6	1.843	2.796	8.9	20.5
8 9	18 47.69	−26 25.6	1.900	2.785	12.4	20.7

126469 2002 CB_{41} 7 8.6 41.°67 1.°2/ 8.5 18

5 31	19 43.70	−28 32.2	1.962	2.786	14.5	18.6
6 10	19 38.14	−27 56.3	1.890	2.797	11.4	18.4
6 20	19 30.20	−27 16.6	1.840	2.809	7.7	18.2
6 30	19 20.60	−26 31.6	1.815	2.821	3.8	18.0
7 10	19 10.37	−25 40.8	1.818	2.833	1.4	17.8
7 20	19 0.56	−24 45.3	1.849	2.846	4.9	18.1
7 30	18 52.19	−23 47.5	1.906	2.858	8.7	18.4
8 9	18 45.98	−22 50.0	1.989	2.871	12.0	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
71254	2000 AV_{15}		7 8.6	311.°08	1.°7/ 8.7	18
	h m	° ′			°	m
5 31	19 40.14	−21 15.7	1.683	2.517	16.1	18.5
6 10	19 36.07	−20 30.0	1.589	2.502	12.8	18.3
6 20	19 29.29	−19 44.8	1.517	2.487	8.9	18.0
6 30	19 20.39	−19 0.3	1.467	2.473	4.5	17.7
7 10	19 10.37	−18 16.5	1.444	2.459	1.8	17.5
7 20	19 0.40	−17 34.5	1.447	2.445	5.8	17.7
7 30	18 51.73	−16 55.8	1.475	2.432	10.3	17.9
8 9	18 45.32	−16 21.3	1.526	2.419	14.3	18.1
317477	2002 RT_{198}		7 8.6	304.°87	2.°7/ 7.8	18
5 31	19 38.97	−27 52.3	1.854	2.690	14.7	20.8
6 10	19 35.07	−28 18.8	1.768	2.683	11.6	20.6
6 20	19 28.57	−28 46.3	1.704	2.675	8.1	20.4
6 30	19 20.04	−29 10.6	1.663	2.667	4.3	20.1
7 10	19 10.43	−29 28.0	1.648	2.660	2.8	20.0
7 20	19 0.87	−29 35.9	1.660	2.652	6.0	20.2
7 30	18 52.55	−29 33.6	1.697	2.645	9.8	20.4
8 9	18 46.42	−29 22.4	1.756	2.638	13.3	20.6
199863	2007 EM_{119}		7 8.6	0.°96	10.°4/ 5.5	18
5 31	19 39.19	−40 21.6	1.298	2.150	18.9	19.4
6 10	19 36.96	−41 56.7	1.238	2.148	15.9	19.2
6 20	19 30.77	−43 24.0	1.196	2.147	12.9	19.0
6 30	19 21.34	−44 32.4	1.175	2.147	10.8	18.9
7 10	19 10.20	−45 12.1	1.175	2.148	10.7	18.9
7 20	18 59.31	−45 18.7	1.196	2.150	12.6	19.0
7 30	18 50.62	−44 53.6	1.238	2.153	15.5	19.2
8 9	18 45.50	−44 3.8	1.298	2.157	18.5	19.4
434077	2001 YN_1		7 8.6	174.°93	6.°7/ 4.9	17
5 31	19 49.02	−40 38.6	2.627	3.417	12.2	22.1
6 10	19 42.62	−42 11.5	2.550	3.421	10.1	22.0
6 20	19 33.59	−43 39.4	2.497	3.424	8.2	21.8
6 30	19 22.42	−44 55.6	2.471	3.426	6.8	21.7
7 10	19 10.03	−45 54.1	2.472	3.428	6.9	21.8
7 20	18 57.54	−46 31.6	2.502	3.428	8.2	21.8
7 30	18 46.16	−46 47.7	2.557	3.428	10.1	22.0
8 9	18 36.90	−46 45.2	2.635	3.427	12.1	22.1
5515	Naderi		7 8.6	45.°33	8.°5/12.1	18 R
5 31	19 36.34	− 1 38.9	1.474	2.271	19.7	16.5
6 10	19 32.88	− 1 10.1	1.421	2.292	16.6	16.4
6 20	19 26.92	− 1 3.7	1.386	2.314	13.3	16.2
6 30	19 19.15	− 1 22.1	1.370	2.335	10.2	16.1
7 10	19 10.62	− 2 4.8	1.378	2.358	8.6	16.0
7 20	19 2.41	− 3 8.2	1.409	2.381	9.3	16.1
7 30	18 55.60	− 4 26.6	1.463	2.404	11.7	16.3
8 9	18 50.98	− 5 52.9	1.539	2.427	14.5	16.6
181054	2005 PZ_{11}		7 8.6	264.°51	0.°7/ 8.8	18
5 31	19 36.48	−19 1.2	2.239	3.059	13.1	20.7
6 10	19 32.52	−19 14.8	2.146	3.051	10.3	20.5
6 20	19 26.54	−19 34.4	2.076	3.044	7.1	20.3
6 30	19 19.01	−19 58.4	2.030	3.036	3.5	20.1
7 10	19 10.63	−20 24.8	2.012	3.028	0.8	19.9
7 20	19 2.26	−20 51.2	2.021	3.019	4.4	20.1
7 30	18 54.77	−21 16.0	2.057	3.011	8.0	20.3
8 9	18 48.91	−21 38.0	2.118	3.003	11.2	20.5
380708	2005 LG_{53}		7 8.6	325.°70	0.°2/ 8.5	17
5 31	19 35.47	−23 16.9	1.242	2.107	18.8	21.1
6 10	19 33.53	−23 7.8	1.155	2.086	15.0	20.7
6 20	19 28.24	−23 2.0	1.085	2.065	10.3	20.4
6 30	19 20.14	−22 57.6	1.037	2.046	5.0	20.1
7 10	19 10.41	−22 51.7	1.011	2.027	0.9	19.7
7 20	19 0.57	−22 42.4	1.007	2.009	6.8	20.0
7 30	18 52.31	−22 29.4	1.026	1.993	12.4	20.3
8 9	18 46.96	−22 13.4	1.064	1.977	17.4	20.5
395261	2010 RR_{50}		7 8.6	324.°91	0.°7/ 8.8	15
5 31	19 34.13	−19 53.3	1.733	2.574	15.4	20.9
6 10	19 31.44	−19 57.2	1.635	2.552	12.2	20.6
6 20	19 26.24	−20 7.7	1.557	2.531	8.4	20.4
6 30	19 19.02	−20 23.2	1.503	2.510	4.1	20.1
7 10	19 10.62	−20 41.6	1.473	2.490	0.9	19.8
7 20	19 2.11	−21 0.6	1.470	2.470	5.3	20.0
7 30	18 54.66	−21 18.2	1.490	2.451	9.8	20.3
8 9	18 49.26	−21 33.3	1.534	2.433	13.9	20.5
162894	2001 HD		7 8.6	320.°25	6.°3/ 5.9	18
5 31	19 39.11	−33 21.4	1.713	2.553	15.6	19.4
6 10	19 35.82	−34 47.6	1.631	2.542	12.6	19.1
6 20	19 29.50	−36 14.8	1.570	2.532	9.4	18.9
6 30	19 20.65	−37 35.0	1.532	2.521	6.9	18.7
7 10	19 10.34	−38 40.5	1.520	2.512	6.6	18.7
7 20	18 59.89	−39 25.6	1.533	2.502	9.0	18.8
7 30	18 50.80	−39 48.6	1.569	2.493	12.2	19.0
8 9	18 44.29	−39 51.5	1.627	2.484	15.5	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
139331	2001 KW_{44}		7 8.6	78.°82	3.°5/ 9.8	17
	h m	° ′			°	m
5 31	19 40.10	−11 48.9	1.525	2.347	18.1	19.4
6 10	19 35.90	−12 0.3	1.464	2.364	14.5	19.2
6 20	19 29.04	−12 26.6	1.421	2.381	10.3	19.0
6 30	19 20.20	−13 6.7	1.401	2.399	6.1	18.8
7 10	19 10.47	−13 57.4	1.406	2.416	3.5	18.7
7 20	19 1.01	−14 54.5	1.436	2.433	6.1	18.9
7 30	18 53.00	−15 53.8	1.492	2.450	10.1	19.2
8 9	18 47.31	−16 51.3	1.571	2.466	13.9	19.4
91721	1999 TQ_{157}		7 8.6	117.°96	7.°5/10.8	18
5 31	19 36.88	+ 1 24.5	2.739	3.471	13.1	19.5
6 10	19 32.16	+ 2 32.3	2.666	3.484	11.3	19.3
6 20	19 25.91	+ 3 27.8	2.614	3.497	9.6	19.2
6 30	19 18.58	+ 4 8.2	2.586	3.509	8.1	19.2
7 10	19 10.74	+ 4 31.7	2.584	3.521	7.5	19.1
7 20	19 3.03	+ 4 38.3	2.607	3.533	7.9	19.2
7 30	18 56.07	+ 4 29.0	2.657	3.544	9.2	19.3
8 9	18 50.38	+ 4 6.4	2.729	3.555	10.8	19.4
338547	2003 SF_{35}		7 8.6	259.°72	0.°5/ 8.4	17
5 31	19 38.89	−22 38.0	1.933	2.763	14.5	21.8
6 10	19 34.79	−22 53.2	1.845	2.756	11.4	21.5
6 20	19 28.28	−23 12.8	1.778	2.749	7.7	21.3
6 30	19 19.89	−23 33.9	1.735	2.742	3.7	21.0
7 10	19 10.50	−23 53.9	1.719	2.735	0.9	20.8
7 20	19 1.14	−24 10.2	1.729	2.727	5.0	21.1
7 30	18 52.89	−24 21.6	1.766	2.720	9.1	21.3
8 9	18 46.63	−24 28.0	1.826	2.713	12.7	21.5
399810	2005 SY_{81}		7 8.6	183.°02	7.°2/12.2	18
5 31	19 34.55	+ 4 37.1	3.013	3.726	12.4	22.0
6 10	19 30.33	+ 5 9.5	2.925	3.726	10.9	21.9
6 20	19 24.70	+ 5 28.2	2.858	3.726	9.3	21.8
6 30	19 18.03	+ 5 30.9	2.813	3.725	7.9	21.7
7 10	19 10.84	+ 5 17.0	2.794	3.725	7.3	21.6
7 20	19 3.69	+ 4 46.8	2.800	3.723	7.5	21.6
7 30	18 57.14	+ 4 2.2	2.832	3.721	8.7	21.7
8 9	18 51.71	+ 3 6.2	2.889	3.719	10.2	21.8
434674	2006 AR_{52}		7 8.6	168.°82	0.°8/ 8.8	17
5 31	19 40.11	−19 51.8	1.946	2.769	14.7	21.9
6 10	19 35.56	−19 51.8	1.865	2.771	11.6	21.7
6 20	19 28.68	−19 57.0	1.804	2.773	7.9	21.5
6 30	19 20.04	−20 5.8	1.768	2.774	3.9	21.2
7 10	19 10.52	−20 16.2	1.759	2.775	0.9	21.0
7 20	19 1.12	−20 26.4	1.777	2.776	4.8	21.3
7 30	18 52.87	−20 35.3	1.822	2.777	8.8	21.5
8 9	18 46.59	−20 42.5	1.890	2.777	12.3	21.7
354210	2002 FY_{16}		7 8.6	52.°96	6.°6/ 6.7	18
5 31	19 42.87	−41 1.5	2.229	3.039	13.5	20.4
6 10	19 37.89	−41 46.4	2.159	3.044	11.1	20.3
6 20	19 30.31	−42 23.4	2.110	3.048	8.8	20.1
6 30	19 20.80	−42 46.9	2.085	3.053	7.1	20.0
7 10	19 10.40	−42 52.7	2.086	3.058	6.7	20.0
7 20	19 0.26	−42 39.3	2.113	3.064	8.1	20.1
7 30	18 51.53	−42 7.9	2.165	3.069	10.3	20.3
8 9	18 45.05	−41 22.3	2.239	3.074	12.6	20.4
507367	2011 YW_{21}		7 8.6	194.°08	2.°6/ 9.1	18
5 31	19 38.99	−15 0.4	2.954	3.744	11.0	21.6
6 10	19 33.77	−14 21.0	2.859	3.742	8.8	21.4
6 20	19 27.00	−13 45.2	2.787	3.739	6.3	21.3
6 30	19 19.12	−13 13.6	2.742	3.736	3.8	21.1
7 10	19 10.69	−12 46.5	2.726	3.733	2.6	21.0
7 20	19 2.35	−12 24.2	2.740	3.729	4.2	21.1
7 30	18 54.74	−12 6.7	2.783	3.725	6.8	21.3
8 9	18 48.39	−11 53.7	2.852	3.720	9.2	21.4
74911	1999 TZ_{139}		7 8.6	12.°54	5.°9/ 7.2	18
5 31	19 40.74	−32 1.8	1.274	2.132	18.9	18.6
6 10	19 37.68	−32 57.6	1.210	2.133	15.1	18.4
6 20	19 30.97	−33 52.1	1.164	2.135	10.9	18.2
6 30	19 21.37	−34 37.3	1.139	2.137	7.1	18.0
7 10	19 10.30	−35 5.7	1.138	2.141	6.1	17.9
7 20	18 59.51	−35 13.2	1.159	2.144	9.1	18.1
7 30	18 50.73	−35 0.2	1.203	2.149	13.2	18.3
8 9	18 45.17	−34 31.2	1.266	2.154	17.1	18.6
438610	2007 VS_{297}		7 8.6	315.°26	1.°2/ 7.9	18
5 31	19 35.79	−19 31.9	1.573	2.418	16.6	20.7
6 10	19 33.33	−20 43.5	1.468	2.388	13.2	20.4
6 20	19 27.98	−22 11.0	1.383	2.359	9.1	20.1
6 30	19 20.08	−23 50.5	1.322	2.330	4.3	19.7
7 10	19 10.48	−25 35.3	1.286	2.302	1.6	19.5
7 20	19 0.38	−27 17.3	1.276	2.274	6.5	19.7
7 30	18 51.26	−28 49.3	1.291	2.246	11.6	19.9
8 9	18 44.47	−30 7.2	1.328	2.220	16.1	20.1

386404 2008 UX_{214} 7 8.6 322.°44 0.°6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.74	−24 25.5	1.325	2.187	18.1	20.0
6 10	19 33.74	−24 13.7	1.226	2.155	14.5	19.7
6 20	19 28.45	−24 3.2	1.145	2.124	10.0	19.4
6 30	19 20.33	−23 51.8	1.085	2.093	4.9	19.0
7 10	19 10.45	−23 36.9	1.047	2.064	1.1	18.6
7 20	19 0.29	−23 16.7	1.033	2.035	6.8	18.9
7 30	18 51.53	−22 51.5	1.042	2.008	12.4	19.1
8 9	18 45.58	−22 23.0	1.070	1.981	17.5	19.4

164171 2004 AP_{26} 7 8.6 245.°97 3.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.07	−10 30.6	2.335	3.130	13.4	20.7
6 10	19 32.90	−10 25.8	2.233	3.115	10.9	20.5
6 20	19 26.79	−10 31.1	2.151	3.100	8.1	20.3
6 30	19 19.16	−10 46.9	2.095	3.085	5.2	20.1
7 10	19 10.68	−11 12.6	2.065	3.069	3.7	20.0
7 20	19 2.12	−11 46.5	2.064	3.053	5.3	20.0
7 30	18 54.33	−12 26.4	2.089	3.036	8.3	20.2
8 9	18 48.02	−13 9.8	2.139	3.019	11.4	20.4

203740 2002 QF_{95} 7 8.6 87.°07 0.°3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.26	−21 12.0	1.933	2.762	14.5	20.5
6 10	19 34.20	−21 36.3	1.855	2.765	11.4	20.3
6 20	19 27.82	−22 6.3	1.797	2.768	7.7	20.0
6 30	19 19.66	−22 39.4	1.764	2.771	3.6	19.8
7 10	19 10.61	−23 12.2	1.758	2.775	0.7	19.6
7 20	19 1.66	−23 41.9	1.779	2.778	4.9	19.9
7 30	18 53.84	−24 6.8	1.826	2.781	8.8	20.1
8 9	18 47.97	−24 26.1	1.897	2.784	12.3	20.3

40788 1999 TK_{31} 7 8.6 258.°05 2.°2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.30	−28 18.3	2.524	3.344	11.8	19.5
6 10	19 33.88	−28 42.1	2.426	3.331	9.3	19.4
6 20	19 27.44	−29 6.1	2.351	3.317	6.4	19.2
6 30	19 19.46	−29 27.2	2.301	3.304	3.5	18.9
7 10	19 10.64	−29 42.8	2.279	3.290	2.4	18.8
7 20	19 1.81	−29 50.8	2.286	3.276	4.8	19.0
7 30	18 53.84	−29 50.8	2.319	3.261	7.9	19.2
8 9	18 47.47	−29 43.3	2.378	3.247	10.8	19.3

167595 2004 BC_{112} 7 8.6 258.°68 0.°8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.66	−23 46.7	2.064	2.891	13.8	20.3
6 10	19 34.45	−23 58.9	1.976	2.886	10.8	20.1
6 20	19 27.96	−24 13.9	1.909	2.880	7.3	19.8
6 30	19 19.73	−24 29.2	1.868	2.874	3.5	19.6
7 10	19 10.60	−24 42.2	1.853	2.869	1.0	19.4
7 20	19 1.52	−24 51.0	1.866	2.863	4.8	19.6
7 30	18 53.50	−24 54.8	1.905	2.857	8.6	19.9
8 9	18 47.37	−24 53.8	1.968	2.851	12.0	20.1

149106 2002 CD_{206} 7 8.6 308.°15 2.°1/ 7.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.38	−27 6.2	2.022	2.856	13.8	19.9
6 10	19 33.67	−27 25.9	1.927	2.840	10.9	19.7
6 20	19 27.58	−27 46.7	1.854	2.825	7.5	19.4
6 30	19 19.61	−28 5.4	1.805	2.810	3.9	19.2
7 10	19 10.62	−28 18.7	1.782	2.795	2.3	19.0
7 20	19 1.60	−28 24.4	1.786	2.780	5.4	19.2
7 30	18 53.64	−28 21.8	1.816	2.766	9.2	19.4
8 9	18 47.64	−28 11.7	1.869	2.752	12.6	19.6

145592 2006 PL_{33} 7 8.6 228.°13 3.°6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.54	− 9 43.6	2.433	3.223	13.0	20.8
6 10	19 32.36	− 9 48.5	2.335	3.214	10.6	20.6
6 20	19 26.36	−10 4.4	2.259	3.205	7.9	20.5
6 30	19 18.95	−10 31.2	2.207	3.196	5.1	20.3
7 10	19 10.77	−11 7.8	2.183	3.186	3.6	20.2
7 20	19 2.54	−11 52.3	2.187	3.176	5.0	20.2
7 30	18 55.06	−12 42.1	2.218	3.166	7.9	20.4
8 9	18 49.01	−13 34.4	2.275	3.155	10.8	20.6

335147 2004 XF_5 7 8.6 243.°53 0.°5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.99	−23 9.0	2.275	3.091	13.0	22.2
6 10	19 36.17	−23 20.7	2.171	3.074	10.3	22.0
6 20	19 29.13	−23 35.3	2.089	3.057	7.0	21.7
6 30	19 20.33	−23 50.7	2.032	3.038	3.3	21.5
7 10	19 10.53	−24 4.4	2.004	3.020	0.8	21.2
7 20	19 0.65	−24 14.3	2.003	3.000	4.6	21.5
7 30	18 51.68	−24 19.7	2.031	2.980	8.4	21.7
8 9	18 44.45	−24 20.4	2.083	2.960	11.8	21.9

75224 1999 WC_3 7 8.6 136.°81 0.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.03	−22 24.1	1.854	2.678	15.2	19.5
6 10	19 37.97	−22 50.7	1.781	2.689	11.9	19.3
6 20	19 30.37	−23 22.1	1.730	2.700	8.1	19.1
6 30	19 20.88	−23 54.9	1.703	2.709	3.8	18.9
7 10	19 10.46	−24 25.5	1.703	2.719	1.0	18.7
7 20	19 0.24	−24 50.9	1.730	2.728	5.2	19.0
7 30	18 51.33	−25 9.8	1.784	2.736	9.2	19.3
8 9	18 44.60	−25 22.1	1.862	2.744	12.7	19.5

60376 2000 AH_{150} 7 8.6 273.°00 5.°6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.02	− 9 35.2	1.632	2.446	17.4	19.6
6 10	19 34.49	− 9 6.6	1.540	2.433	14.4	19.4
6 20	19 28.33	− 8 51.2	1.468	2.419	10.9	19.1
6 30	19 20.06	− 8 50.9	1.417	2.405	7.4	18.9
7 10	19 10.57	− 9 6.0	1.391	2.392	5.6	18.8
7 20	19 1.00	− 9 35.3	1.390	2.378	7.5	18.8
7 30	18 52.54	−10 15.9	1.413	2.364	11.1	19.0
8 9	18 46.23	−11 4.0	1.458	2.350	14.9	19.2

88212 2000 YN_{135} 7 8.6 219.°92 4.°6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.96	− 5 34.4	2.815	3.584	11.9	20.4
6 10	19 30.84	− 5 25.7	2.717	3.576	9.9	20.3
6 20	19 25.17	− 5 27.7	2.640	3.568	7.7	20.1
6 30	19 18.34	− 5 41.3	2.588	3.560	5.7	20.0
7 10	19 10.88	− 6 6.3	2.563	3.551	4.6	19.9
7 20	19 3.41	− 6 41.5	2.566	3.542	5.4	19.9
7 30	18 56.57	− 7 25.0	2.597	3.532	7.5	20.1
8 9	18 50.93	− 8 14.0	2.653	3.522	9.8	20.2

245679 2006 BJ_{82} 7 8.6 310.°37 1.°9/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.70	−24 54.2	1.596	2.442	16.3	20.3
6 10	19 34.60	−25 23.3	1.506	2.426	12.9	20.1
6 20	19 28.60	−25 57.0	1.436	2.411	8.8	19.8
6 30	19 20.25	−26 31.5	1.389	2.396	4.4	19.5
7 10	19 10.55	−27 2.2	1.367	2.381	2.2	19.3
7 20	19 0.76	−27 25.2	1.370	2.367	6.3	19.5
7 30	18 52.26	−27 38.7	1.397	2.353	10.8	19.8
8 9	18 46.18	−27 43.1	1.446	2.339	15.0	20.0

323313 2003 US_{101} 7 8.6 310.°23 9.°0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.07	− 5 35.2	1.329	2.151	20.2	20.8
6 10	19 32.75	− 4 35.5	1.242	2.133	17.2	20.5
6 20	19 27.49	− 3 52.3	1.172	2.115	13.8	20.3
6 30	19 19.78	− 3 30.8	1.121	2.098	10.6	20.0
7 10	19 10.62	− 3 34.4	1.092	2.081	9.0	19.9
7 20	19 1.29	− 4 3.2	1.085	2.064	10.4	19.9
7 30	18 53.21	− 4 54.2	1.100	2.048	13.9	20.1
8 9	18 47.61	− 6 1.2	1.134	2.033	17.8	20.2

471117 2010 CC_{99} 7 8.6 108.°64 6.°5/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.10	− 2 38.0	2.048	2.821	15.7	21.7
6 10	19 32.94	− 2 27.0	1.974	2.832	13.2	21.5
6 20	19 26.78	− 2 32.8	1.919	2.842	10.5	21.3
6 30	19 19.13	− 2 56.5	1.887	2.852	7.9	21.2
7 10	19 10.77	− 3 37.8	1.880	2.862	6.5	21.2
7 20	19 2.53	− 4 34.3	1.899	2.871	7.3	21.2
7 30	18 55.27	− 5 42.2	1.945	2.881	9.5	21.4
8 9	18 49.69	− 6 56.6	2.014	2.890	12.2	21.6

172530 2003 TF_{50} 7 8.6 356.°86 4.°7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 34.81	−27 24.9	1.055	1.934	20.4	18.7
6 10	19 33.55	−28 26.0	0.992	1.930	16.1	18.4
6 20	19 28.52	−29 32.4	0.945	1.926	11.3	18.1
6 30	19 20.37	−30 36.5	0.919	1.924	6.4	17.8
7 10	19 10.54	−31 29.4	0.913	1.923	4.9	17.7
7 20	19 0.85	−32 4.5	0.929	1.924	9.0	18.0
7 30	18 53.20	−32 19.6	0.966	1.926	14.0	18.2
8 9	18 48.95	−32 17.0	1.021	1.929	18.5	18.5

341195 2007 RO_{65} 7 8.6 111.°54 2.°9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.67	−29 23.7	1.967	2.795	14.3	21.3
6 10	19 36.90	−29 45.4	1.892	2.801	11.3	21.1
6 20	19 29.65	−30 6.0	1.838	2.806	7.8	20.9
6 30	19 20.54	−30 21.6	1.810	2.812	4.4	20.7
7 10	19 10.54	−30 28.8	1.807	2.817	3.0	20.6
7 20	19 0.77	−30 25.7	1.832	2.822	5.8	20.8
7 30	18 52.31	−30 12.8	1.883	2.828	9.3	21.0
8 9	18 45.99	−29 51.8	1.957	2.833	12.5	21.3

73099 2002 GR_{21} 7 8.6 0.°32 4.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.94	−15 22.1	1.206	2.059	20.0	19.0
6 10	19 34.31	−14 40.2	1.137	2.057	16.1	18.7
6 20	19 28.49	−14 8.3	1.086	2.056	11.6	18.5
6 30	19 20.17	−13 47.9	1.055	2.056	6.8	18.2
7 10	19 10.59	−13 39.2	1.046	2.056	4.3	18.0
7 20	19 1.21	−13 41.4	1.060	2.058	7.5	18.2
7 30	18 53.50	−13 52.5	1.096	2.060	12.2	18.5
8 9	18 48.56	−14 9.9	1.152	2.063	16.6	18.8

146036 2000 DF_{89} 7 8.6 339.°75 1.°6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.35	−24 49.5	1.248	2.112	18.8	19.6
6 10	19 34.14	−25 1.0	1.172	2.102	14.9	19.3
6 20	19 28.58	−25 16.3	1.113	2.093	10.2	19.0
6 30	19 20.31	−25 31.7	1.076	2.084	5.0	18.7
7 10	19 10.56	−25 42.9	1.061	2.076	1.9	18.4
7 20	19 0.89	−25 46.9	1.069	2.070	6.9	18.7
7 30	18 52.91	−25 42.7	1.100	2.064	12.1	19.0
8 9	18 47.86	−25 31.5	1.151	2.060	16.8	19.3

133598 2003 UQ_{88} 7 8.6 337.°34 0.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.96	−18 53.5	1.569	2.412	16.7	18.4
6 10	19 33.17	−20 1.9	1.484	2.403	13.1	18.1
6 20	19 27.62	−21 24.0	1.420	2.395	8.9	17.9
6 30	19 19.79	−22 55.4	1.380	2.388	4.2	17.6
7 10	19 10.65	−24 29.5	1.365	2.381	1.2	17.3
7 20	19 1.37	−25 59.1	1.376	2.375	6.0	17.6
7 30	18 53.30	−27 18.7	1.413	2.370	10.6	17.9
8 9	18 47.55	−28 25.1	1.471	2.365	14.8	18.1

338541 2003 SE_{12} 7 8.6 294.°30 1.°4/ 8.2 18

5 31	19 38.88	−24 40.5	1.773	2.610	15.3	21.1
6 10	19 35.28	−24 57.1	1.673	2.589	12.1	20.8
6 20	19 28.95	−25 17.1	1.594	2.567	8.3	20.5
6 30	19 20.41	−25 37.4	1.539	2.546	4.1	20.2
7 10	19 10.57	−25 54.5	1.509	2.525	1.6	20.0
7 20	19 0.59	−26 5.5	1.506	2.503	5.7	20.2
7 30	18 51.74	−26 9.1	1.528	2.482	10.2	20.4
8 9	18 45.11	−26 5.9	1.572	2.461	14.2	20.6

333186 2012 FQ_{12} 7 8.6 188.°39 1.°4/ 8.9 17

5 31	19 42.06	−17 49.2	1.834	2.653	15.6	22.3
6 10	19 37.31	−17 55.6	1.749	2.652	12.4	22.1
6 20	19 30.03	−18 9.7	1.685	2.652	8.5	21.8
6 30	19 20.79	−18 29.8	1.646	2.650	4.3	21.6
7 10	19 10.53	−18 53.7	1.633	2.648	1.4	21.4
7 20	19 0.33	−19 18.6	1.647	2.645	5.2	21.6
7 30	18 51.32	−19 42.8	1.687	2.642	9.4	21.9
8 9	18 44.41	−20 4.9	1.752	2.638	13.1	22.1

376936 2002 CO_{189} 7 8.6 164.°83 0.°0/ 8.5 17

5 31	19 40.61	−20 24.5	2.149	2.965	13.7	22.1
6 10	19 35.79	−20 47.7	2.066	2.970	10.7	21.9
6 20	19 28.79	−21 16.4	2.006	2.974	7.3	21.7
6 30	19 20.15	−21 48.2	1.971	2.977	3.5	21.5
7 10	19 10.66	−22 20.2	1.964	2.980	0.6	21.2
7 20	19 1.25	−22 49.9	1.985	2.983	4.5	21.6
7 30	18 52.88	−23 15.5	2.033	2.985	8.2	21.8
8 9	18 46.32	−23 36.4	2.106	2.986	11.5	22.0

504891 2010 WG_{45} 7 8.6 247.°56 2.°4/ 7.9 17

5 31	19 43.35	−26 45.8	1.799	2.629	15.4	22.8
6 10	19 38.78	−27 15.0	1.703	2.614	12.2	22.6
6 20	19 31.33	−27 46.7	1.628	2.598	8.5	22.3
6 30	19 21.55	−28 16.5	1.577	2.582	4.4	22.0
7 10	19 10.41	−28 39.9	1.552	2.565	2.6	21.9
7 20	18 59.16	−28 53.6	1.554	2.548	6.2	22.1
7 30	18 49.14	−28 56.4	1.582	2.530	10.4	22.3
8 9	18 41.49	−28 49.6	1.633	2.511	14.3	22.5

509859 2008 YT_{161} 7 8.6 147.°13 1.°1/ 8.9 17

5 31	19 40.08	−19 46.5	2.216	3.031	13.4	22.1
6 10	19 35.20	−19 33.0	2.135	3.036	10.5	21.9
6 20	19 28.27	−19 23.2	2.076	3.042	7.2	21.7
6 30	19 19.85	−19 16.1	2.042	3.047	3.6	21.5
7 10	19 10.72	−19 10.7	2.036	3.052	1.2	21.3
7 20	19 1.75	−19 6.1	2.059	3.056	4.4	21.6
7 30	18 53.82	−19 2.0	2.108	3.061	7.9	21.8
8 9	18 47.62	−18 58.0	2.182	3.064	11.1	22.0

374329 2005 TZ_{93} 7 8.6 257.°61 3.°9/ 7.6 17

5 31	19 42.70	−30 38.3	1.749	2.582	15.6	21.8
6 10	19 38.32	−31 10.5	1.663	2.574	12.4	21.6
6 20	19 31.01	−31 41.7	1.598	2.565	8.8	21.4
6 30	19 21.36	−32 6.9	1.556	2.556	5.3	21.1
7 10	19 10.45	−32 21.1	1.540	2.547	4.1	21.0
7 20	18 59.60	−32 21.4	1.550	2.538	6.9	21.2
7 30	18 50.17	−32 7.9	1.586	2.529	10.8	21.4
8 9	18 43.22	−31 43.0	1.643	2.519	14.4	21.6

444975 2008 EL_{75} 7 8.6 354.°10 6.°0/10.8 18

5 31	19 31.39	− 7 5.9	1.653	2.471	17.0	20.1
6 10	19 29.14	− 6 50.8	1.573	2.465	14.1	19.8
6 20	19 24.58	− 6 52.2	1.512	2.460	10.9	19.6
6 30	19 18.25	− 7 11.6	1.472	2.456	7.7	19.4
7 10	19 10.97	− 7 48.8	1.456	2.453	6.0	19.3
7 20	19 3.72	− 8 41.2	1.464	2.451	7.3	19.4
7 30	18 57.54	− 9 44.7	1.496	2.450	10.4	19.6
8 9	18 53.29	−10 54.2	1.550	2.450	13.7	19.8

237556 2000 WN_{154} 7 8.6 232.°05 0.°8/ 8.4 18

5 31	19 42.06	−24 23.1	2.422	3.234	12.5	21.3
6 10	19 36.87	−24 32.4	2.318	3.219	9.8	21.1
6 20	19 29.53	−24 43.3	2.236	3.203	6.7	20.9
6 30	19 20.53	−24 53.6	2.181	3.187	3.2	20.6
7 10	19 10.60	−25 1.1	2.154	3.170	1.0	20.4
7 20	19 0.63	−25 3.9	2.156	3.152	4.5	20.7
7 30	18 51.54	−25 1.7	2.186	3.133	8.0	20.8
8 9	18 44.14	−24 54.8	2.241	3.113	11.2	21.0

86080 1999 RJ_{71} 7 8.6 274.°57 0.°4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.58	−20 9.3	2.382	3.201	12.4	20.2
6 10	19 32.60	−20 21.2	2.279	3.184	9.8	19.9
6 20	19 26.66	−20 38.1	2.199	3.167	6.7	19.7
6 30	19 19.17	−20 58.3	2.143	3.149	3.2	19.5
7 10	19 10.82	−21 19.9	2.115	3.132	0.6	19.2
7 20	19 2.40	−21 41.0	2.115	3.114	4.2	19.5
7 30	18 54.77	−22 0.0	2.143	3.096	7.8	19.7
8 9	18 48.68	−22 16.1	2.195	3.078	11.0	19.8

401172 2011 WS_{65} 7 8.6 231.°68 1.°2/ 8.2 18

5 31	19 37.81	−24 54.6	2.503	3.322	11.9	22.0
6 10	19 33.44	−25 16.1	2.410	3.315	9.3	21.8
6 20	19 27.14	−25 39.6	2.339	3.308	6.3	21.6
6 30	19 19.36	−26 2.7	2.295	3.301	3.1	21.4
7 10	19 10.81	−26 22.8	2.279	3.293	1.4	21.3
7 20	19 2.28	−26 38.1	2.291	3.286	4.3	21.5
7 30	18 54.60	−26 47.6	2.330	3.278	7.6	21.7
8 9	18 48.47	−26 51.4	2.394	3.270	10.5	21.8

504221 2006 UH_{100} 7 8.6 209.°11 1.°8/ 7.9 17

5 31	19 43.09	−25 7.7	2.089	2.909	13.9	23.2
6 10	19 38.05	−25 44.8	1.997	2.902	11.0	23.0
6 20	19 30.54	−26 25.3	1.927	2.895	7.5	22.8
6 30	19 21.08	−27 5.6	1.883	2.887	3.8	22.5
7 10	19 10.53	−27 41.3	1.866	2.879	2.0	22.4
7 20	18 59.95	−28 9.5	1.877	2.870	5.3	22.6
7 30	18 50.44	−28 28.5	1.915	2.860	9.1	22.8
8 9	18 42.93	−28 38.7	1.977	2.849	12.5	23.0

443395 2014 HC_{29} 7 8.6 354.°85 1.°5/ 9.1 18

5 31	19 34.83	−17 34.4	1.802	2.635	15.2	20.4
6 10	19 31.70	−17 38.1	1.721	2.632	12.0	20.2
6 20	19 26.25	−17 49.7	1.660	2.630	8.3	20.0
6 30	19 19.02	−18 8.0	1.623	2.628	4.3	19.7
7 10	19 10.87	−18 31.0	1.612	2.627	1.6	19.5
7 20	19 2.81	−18 56.4	1.626	2.626	5.0	19.8
7 30	18 55.84	−19 22.0	1.666	2.626	9.1	20.0
8 9	18 50.82	−19 46.2	1.729	2.626	12.7	20.2

42082 2001 AF_{11} 7 8.6 15.°42 5.°1/11.6 18

5 31	19 34.85	− 3 54.5	1.936	2.723	16.0	17.8
6 10	19 31.45	− 4 30.1	1.855	2.727	13.3	17.6
6 20	19 25.95	− 5 25.6	1.794	2.731	10.2	17.4
6 30	19 18.85	− 6 40.7	1.756	2.736	7.1	17.2
7 10	19 10.91	− 8 12.8	1.745	2.742	5.2	17.1
7 20	19 3.01	− 9 57.0	1.760	2.748	6.2	17.2
7 30	18 56.07	−11 47.1	1.803	2.754	9.1	17.4
8 9	18 50.85	−13 37.0	1.870	2.761	12.2	17.6

257638 1999 TQ_{244} 7 8.6 328.°17 4.°4/ 9.3 17

5 31	19 31.50	−15 42.4	1.091	1.960	20.5	20.3
6 10	19 30.73	−15 4.8	1.004	1.934	16.7	19.9
6 20	19 26.59	−14 36.9	0.934	1.910	12.2	19.6
6 30	19 19.57	−14 20.9	0.882	1.886	7.2	19.2
7 10	19 10.76	−14 17.6	0.852	1.864	4.4	19.0
7 20	19 1.68	−14 26.3	0.842	1.843	8.1	19.1
7 30	18 54.11	−14 45.1	0.852	1.823	13.6	19.3
8 9	18 49.51	−15 10.7	0.881	1.806	18.9	19.6

275983 2001 XE_{82} 7 8.6 218.°75 1.°5/ 9.1 18

5 31	19 39.99	−17 29.3	2.015	2.831	14.5	21.2
6 10	19 35.52	−17 30.3	1.923	2.825	11.5	21.0
6 20	19 28.76	−17 38.2	1.853	2.818	8.0	20.8
6 30	19 20.21	−17 51.9	1.807	2.811	4.1	20.5
7 10	19 10.71	−18 9.6	1.789	2.803	1.6	20.3
7 20	19 1.22	−18 29.3	1.797	2.795	4.9	20.5
7 30	18 52.74	−18 49.5	1.833	2.787	8.8	20.7
8 9	18 46.14	−19 8.8	1.892	2.778	12.3	20.9

117432 2005 AQ_{28} 7 8.6 211.°77 1.°9/ 8.1 17

5 31	19 43.93	−25 37.0	1.703	2.534	16.1	21.2
6 10	19 39.22	−26 2.2	1.618	2.530	12.7	21.0
6 20	19 31.60	−26 30.4	1.554	2.525	8.7	20.8
6 30	19 21.66	−26 57.3	1.513	2.519	4.4	20.5
7 10	19 10.48	−27 18.6	1.499	2.513	2.2	20.3
7 20	18 59.34	−27 31.3	1.511	2.506	6.0	20.6
7 30	18 49.59	−27 34.5	1.548	2.499	10.4	20.8
8 9	18 42.30	−27 29.3	1.608	2.491	14.3	21.0

98236 2000 SK_{153} 7 8.6 240.°54 0.°6/ 8.5 18

5 31	19 42.76	−22 25.6	1.727	2.556	16.0	20.8
6 10	19 38.31	−22 42.9	1.633	2.543	12.7	20.5
6 20	19 31.02	−23 5.5	1.559	2.530	8.7	20.3
6 30	19 21.43	−23 30.5	1.509	2.516	4.1	20.0
7 10	19 10.51	−23 54.2	1.486	2.502	1.0	19.7
7 20	18 59.50	−24 13.5	1.489	2.487	5.7	20.0
7 30	18 49.72	−24 26.7	1.518	2.472	10.3	20.2
8 9	18 42.27	−24 34.0	1.569	2.456	14.4	20.4

77597 2001 KO_{22} 7 8.6 109.°91 4.°6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.18	−10 58.8	2.069	2.868	14.7	19.7
6 10	19 34.53	−10 14.5	1.993	2.877	12.0	19.5
6 20	19 27.85	− 9 38.9	1.939	2.886	8.9	19.3
6 30	19 19.68	− 9 13.6	1.909	2.895	6.0	19.2
7 10	19 10.82	− 8 59.1	1.905	2.904	4.6	19.1
7 20	19 2.15	− 8 55.1	1.929	2.912	6.2	19.2
7 30	18 54.52	− 9 0.5	1.978	2.921	9.0	19.4
8 9	18 48.63	− 9 13.4	2.052	2.929	11.9	19.6

172236 2002 RH_{173} 7 8.6 279.°26 2.°5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.41	−26 15.6	2.075	2.903	13.7	20.1
6 10	19 35.42	−27 2.1	1.970	2.880	10.9	19.9
6 20	19 28.94	−27 52.9	1.887	2.857	7.5	19.6
6 30	19 20.43	−28 43.8	1.830	2.833	4.0	19.3
7 10	19 10.67	−29 30.3	1.799	2.810	2.7	19.2
7 20	19 0.68	−30 8.3	1.795	2.786	5.8	19.4
7 30	18 51.62	−30 35.7	1.818	2.762	9.6	19.5
8 9	18 44.49	−30 52.2	1.864	2.737	13.1	19.7

338778 2003 UK_{272} 7 8.6 218.°73 0.°4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.94	−19 40.2	2.358	3.171	12.7	21.7
6 10	19 34.41	−19 56.4	2.262	3.163	10.0	21.5
6 20	19 27.86	−20 18.1	2.189	3.155	6.9	21.3
6 30	19 19.75	−20 43.4	2.141	3.147	3.3	21.1
7 10	19 10.81	−21 10.0	2.122	3.138	0.6	20.8
7 20	19 1.84	−21 35.8	2.131	3.129	4.2	21.1
7 30	18 53.73	−21 59.3	2.167	3.119	7.8	21.3
8 9	18 47.22	−22 19.4	2.228	3.109	11.0	21.5

289363 2005 BC_{49} 7 8.6 108.°13 1.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.88	−19 33.4	2.285	3.094	13.2	21.2
6 10	19 36.38	−19 21.8	2.218	3.116	10.3	21.1
6 20	19 28.94	−19 14.1	2.172	3.137	7.0	20.9
6 30	19 20.14	−19 9.0	2.153	3.157	3.5	20.7
7 10	19 10.78	−19 5.6	2.162	3.177	1.1	20.6
7 20	19 1.69	−19 3.0	2.200	3.197	4.2	20.8
7 30	18 53.70	−19 0.6	2.265	3.216	7.5	21.1
8 9	18 47.44	−18 58.2	2.355	3.234	10.5	21.3

173857 2001 TH_{172} 7 8.6 277.°68 0.°6/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.65	−22 38.4	2.130	2.957	13.4	21.0
6 10	19 33.73	−22 58.4	2.034	2.943	10.6	20.8
6 20	19 27.58	−23 22.6	1.959	2.930	7.2	20.5
6 30	19 19.69	−23 48.7	1.909	2.916	3.4	20.3
7 10	19 10.82	−24 13.8	1.886	2.902	0.9	20.0
7 20	19 1.90	−24 35.5	1.891	2.889	4.7	20.3
7 30	18 53.92	−24 52.3	1.922	2.875	8.5	20.5
8 9	18 47.73	−25 3.7	1.977	2.861	12.0	20.7

114506 2003 AU_{79} 7 8.6 184.°74 5.°7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 45.02	−33 56.5	1.992	2.812	14.5	19.8
6 10	19 39.99	−35 16.3	1.913	2.813	11.7	19.6
6 20	19 32.10	−36 35.2	1.857	2.812	8.7	19.4
6 30	19 21.92	−37 46.0	1.825	2.812	6.3	19.2
7 10	19 10.46	−38 42.0	1.821	2.810	5.9	19.2
7 20	18 58.97	−39 19.0	1.843	2.809	8.0	19.3
7 30	18 48.80	−39 36.0	1.891	2.807	10.9	19.5
8 9	18 41.01	−39 35.4	1.961	2.804	13.8	19.7

366703 2003 WP_{85} 7 8.6 192.°53 2.°8/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.96	−28 11.2	2.005	2.825	14.4	22.2
6 10	19 39.60	−28 43.8	1.919	2.824	11.4	22.0
6 20	19 31.62	−29 17.1	1.855	2.821	7.9	21.8
6 30	19 21.61	−29 46.8	1.816	2.818	4.3	21.5
7 10	19 10.52	−30 8.5	1.804	2.815	2.9	21.4
7 20	18 59.50	−30 19.7	1.820	2.810	5.8	21.6
7 30	18 49.73	−30 19.8	1.863	2.805	9.5	21.8
8 9	18 42.15	−30 10.3	1.930	2.799	12.9	22.0

20016 Rietschel 7 8.6 248.°48 3.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.73	−30 51.9	1.993	2.818	14.3	19.3
6 10	19 37.97	−31 13.2	1.902	2.808	11.4	19.0
6 20	19 30.57	−31 32.6	1.833	2.798	8.0	18.8
6 30	19 21.13	−31 45.9	1.788	2.788	4.7	18.6
7 10	19 10.60	−31 49.2	1.770	2.777	3.5	18.5
7 20	19 0.13	−31 40.6	1.779	2.767	6.2	18.6
7 30	18 50.92	−31 20.4	1.814	2.756	9.7	18.8
8 9	18 43.90	−30 50.8	1.872	2.744	13.1	19.0

51199 2000 JA_4 7 8.6 17.°75 6.°9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 32.95	− 0 28.0	2.475	3.233	13.7	19.4
6 10	19 29.46	+ 0 4.9	2.393	3.235	11.7	19.3
6 20	19 24.34	+ 0 23.9	2.331	3.237	9.6	19.1
6 30	19 18.03	+ 0 26.8	2.292	3.239	7.8	19.0
7 10	19 11.11	+ 0 13.1	2.278	3.241	6.9	19.0
7 20	19 4.26	− 0 16.4	2.290	3.243	7.4	19.0
7 30	18 58.14	− 0 59.7	2.327	3.246	9.0	19.1
8 9	18 53.35	− 1 53.2	2.388	3.249	11.0	19.2

240440 2003 XM_{14} 7 8.6 261.°72 3.°9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.88	−30 47.9	1.984	2.813	14.2	21.0
6 10	19 36.58	−31 28.8	1.897	2.805	11.3	20.8
6 20	19 29.68	−32 9.3	1.831	2.796	8.0	20.6
6 30	19 20.73	−32 44.6	1.789	2.787	4.9	20.4
7 10	19 10.66	−33 9.9	1.774	2.779	4.0	20.3
7 20	19 0.61	−33 22.4	1.785	2.770	6.5	20.5
7 30	18 51.76	−33 21.4	1.823	2.761	9.9	20.7
8 9	18 45.06	−33 8.6	1.883	2.752	13.2	20.8

497009 2003 BU_{35} 7 8.6 156.°64 1.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.40	−15 30.5	4.826	5.609	7.1	24.1
6 10	19 28.90	−15 25.7	4.738	5.619	5.6	24.0
6 20	19 23.51	−15 24.0	4.675	5.628	3.9	23.9
6 30	19 17.51	−15 25.1	4.640	5.637	2.2	23.7
7 10	19 11.22	−15 28.5	4.635	5.645	1.2	23.7
7 20	19 4.98	−15 33.7	4.661	5.653	2.4	23.8
7 30	18 59.16	−15 40.2	4.716	5.660	4.1	23.9
8 9	18 54.07	−15 47.5	4.799	5.667	5.8	24.0

394745 2008 FZ_{34} 7 8.6 108.°43 4.°5/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.75	− 7 51.8	2.379	3.165	13.4	21.8
6 10	19 31.65	− 7 39.2	2.300	3.174	11.0	21.6
6 20	19 25.82	− 7 37.7	2.243	3.183	8.3	21.4
6 30	19 18.72	− 7 48.0	2.210	3.191	5.8	21.3
7 10	19 11.01	− 8 9.5	2.204	3.200	4.5	21.2
7 20	19 3.40	− 8 40.6	2.225	3.208	5.6	21.3
7 30	18 56.63	− 9 19.2	2.273	3.216	8.0	21.5
8 9	18 51.30	−10 2.6	2.346	3.224	10.6	21.7

112869 2002 QH_{35} 7 8.6 278.°29 2.°8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.07	−28 34.5	1.958	2.789	14.3	20.2
6 10	19 35.88	−28 59.3	1.870	2.781	11.3	20.0
6 20	19 29.15	−29 24.2	1.804	2.773	7.8	19.8
6 30	19 20.46	−29 45.4	1.762	2.765	4.3	19.5
7 10	19 10.72	−29 59.2	1.746	2.757	2.9	19.4
7 20	19 1.03	−30 3.2	1.757	2.748	5.8	19.6
7 30	18 52.53	−29 57.0	1.794	2.740	9.5	19.8
8 9	18 46.13	−29 42.1	1.854	2.732	12.9	20.0

35845 1999 JM_{60} 7 8.6 324.°94 6.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.69	−12 17.8	1.519	2.346	17.8	17.8
6 10	19 34.37	−11 5.9	1.433	2.335	14.7	17.5
6 20	19 28.32	−10 1.5	1.367	2.324	11.0	17.3
6 30	19 20.13	− 9 7.8	1.323	2.313	7.6	17.1
7 10	19 10.78	− 8 27.6	1.303	2.303	6.1	17.0
7 20	19 1.47	− 8 2.4	1.308	2.294	8.1	17.1
7 30	18 53.43	− 7 52.1	1.336	2.285	11.8	17.2
8 9	18 47.67	− 7 54.8	1.385	2.277	15.6	17.4

67094 2000 AC_{62} 7 8.6 234.°11 1.°2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.35	−16 13.2	2.713	3.519	11.4	19.8
6 10	19 31.33	−16 33.7	2.616	3.512	9.1	19.6
6 20	19 25.64	−17 1.1	2.543	3.505	6.3	19.4
6 30	19 18.68	−17 34.2	2.495	3.497	3.3	19.2
7 10	19 11.04	−18 11.1	2.475	3.490	1.3	19.1
7 20	19 3.38	−18 49.8	2.484	3.482	3.8	19.2
7 30	18 56.40	−19 28.3	2.522	3.474	6.8	19.4
8 9	18 50.71	−20 4.9	2.585	3.466	9.6	19.6

256708 2008 AA_{28} 7 8.6 227.°03 1.°6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.46	−16 38.1	1.927	2.741	15.1	21.6
6 10	19 36.89	−16 48.0	1.831	2.731	12.1	21.3
6 20	19 29.85	−17 6.6	1.755	2.719	8.4	21.1
6 30	19 20.84	−17 32.6	1.704	2.707	4.4	20.8
7 10	19 10.70	−18 3.7	1.680	2.694	1.7	20.6
7 20	19 0.47	−18 37.2	1.683	2.681	5.2	20.8
7 30	18 51.26	−19 10.7	1.713	2.667	9.3	21.0
8 9	18 44.03	−19 42.4	1.767	2.652	13.1	21.2

438136 2005 RA_7 7 8.6 316.°65 2.°3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.39	−28 14.9	1.867	2.704	14.6	20.9
6 10	19 34.73	−28 22.8	1.773	2.688	11.6	20.7
6 20	19 28.48	−28 30.0	1.700	2.671	8.0	20.5
6 30	19 20.20	−28 33.3	1.651	2.655	4.3	20.2
7 10	19 10.80	−28 29.6	1.627	2.640	2.5	20.0
7 20	19 1.42	−28 17.3	1.630	2.625	5.7	20.2
7 30	18 53.22	−27 56.4	1.658	2.610	9.7	20.4
8 9	18 47.18	−27 28.8	1.709	2.596	13.4	20.6

123800 2001 BL_{48} 7 8.6 158.°16 1.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.58	−16 35.1	2.838	3.638	11.1	20.6
6 10	19 32.80	−16 13.6	2.752	3.643	8.8	20.4
6 20	19 26.47	−15 56.2	2.689	3.647	6.2	20.2
6 30	19 19.02	−15 42.8	2.652	3.652	3.4	20.1
7 10	19 11.04	−15 32.9	2.644	3.656	1.9	20.0
7 20	19 3.17	−15 26.3	2.665	3.659	3.9	20.1
7 30	18 56.06	−15 22.4	2.715	3.663	6.6	20.3
8 9	18 50.24	−15 20.8	2.790	3.666	9.2	20.5

479629 2014 DM_{39} 7 8.6 302.°88 2.°7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.58	−12 11.2	1.720	2.541	16.4	20.9
6 10	19 33.36	−12 44.0	1.627	2.528	13.2	20.6
6 20	19 27.63	−13 32.8	1.554	2.516	9.5	20.4
6 30	19 19.86	−14 36.4	1.504	2.504	5.4	20.1
7 10	19 10.89	−15 51.5	1.480	2.493	2.7	19.9
7 20	19 1.77	−17 13.2	1.483	2.481	5.6	20.1
7 30	18 53.68	−18 35.9	1.511	2.470	9.9	20.3
8 9	18 47.62	−19 55.2	1.562	2.459	13.9	20.5

425526 2010 NV_{42} 7 8.6 309.°13 18.°0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 47.59	−51 46.1	1.299	2.117	20.8	19.5
6 10	19 46.48	−54 54.8	1.226	2.090	19.2	19.3
6 20	19 39.72	−57 56.1	1.172	2.062	18.2	19.2
6 30	19 27.00	−60 31.5	1.137	2.035	18.1	19.1
7 10	19 9.58	−62 22.4	1.121	2.008	19.1	19.0
7 20	18 50.58	−63 16.8	1.121	1.981	20.9	19.1
7 30	18 34.32	−63 14.0	1.137	1.955	23.2	19.1
8 9	18 24.25	−62 24.3	1.165	1.930	25.6	19.2

316240 2010 OZ_{27} 7 8.6 218.°35 3.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.29	−34 45.5	2.665	3.473	11.5	20.7
6 10	19 36.88	−34 55.7	2.575	3.469	9.3	20.6
6 20	19 29.43	−35 1.2	2.508	3.464	6.7	20.4
6 30	19 20.48	−34 58.6	2.467	3.459	4.4	20.2
7 10	19 10.82	−34 45.7	2.454	3.453	3.7	20.2
7 20	19 1.32	−34 21.7	2.469	3.448	5.4	20.3
7 30	18 52.85	−33 47.3	2.512	3.442	7.9	20.4
8 9	18 46.11	−33 4.8	2.580	3.436	10.5	20.6

437180 2012 VN_{74} 7 8.6 54.°87 2.°4/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 37.57	−15 37.1	1.873	2.695	15.2	21.7
6 10	19 33.68	−15 32.1	1.795	2.699	12.1	21.5
6 20	19 27.52	−15 35.6	1.738	2.703	8.5	21.2
6 30	19 19.66	−15 47.1	1.705	2.707	4.7	21.0
7 10	19 10.95	−16 4.8	1.698	2.711	2.4	20.9
7 20	19 2.37	−16 27.0	1.718	2.715	5.1	21.1
7 30	18 54.90	−16 51.5	1.763	2.719	8.9	21.3
8 9	18 49.34	−17 16.6	1.832	2.724	12.4	21.5

65022 2002 AQ_{104} 7 8.6 55.°45 0.°3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 37.74	−22 11.4	2.033	2.862	13.9	19.5
6 10	19 33.63	−22 24.2	1.964	2.874	10.9	19.3
6 20	19 27.36	−22 40.8	1.915	2.886	7.3	19.1
6 30	19 19.53	−22 58.9	1.892	2.899	3.5	18.9
7 10	19 10.98	−23 16.0	1.895	2.912	0.6	18.7
7 20	19 2.63	−23 30.3	1.926	2.925	4.5	19.0
7 30	18 55.41	−23 40.7	1.983	2.938	8.2	19.3
8 9	18 50.02	−23 47.1	2.064	2.951	11.4	19.5

425578 2010 TV_{90} 7 8.6 275.°80 3.°8/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.27	−28 36.1	1.508	2.352	17.2	21.5
6 10	19 38.58	−29 17.4	1.421	2.338	13.7	21.2
6 20	19 31.60	−30 1.0	1.353	2.324	9.6	20.9
6 30	19 21.89	−30 41.1	1.307	2.310	5.5	20.6
7 10	19 10.59	−31 11.6	1.287	2.296	4.0	20.5
7 20	18 59.19	−31 27.9	1.291	2.282	7.5	20.7
7 30	18 49.31	−31 28.9	1.319	2.268	12.0	20.9
8 9	18 42.22	−31 16.6	1.368	2.254	16.2	21.1

315477 2007 YP_{33} 7 8.6 107.°18 0.°0/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.50	−20 43.6	1.566	2.400	17.1	21.9
6 10	19 38.01	−21 2.0	1.498	2.411	13.4	21.7
6 20	19 30.69	−21 27.1	1.450	2.422	9.1	21.4
6 30	19 21.22	−21 56.0	1.425	2.432	4.3	21.2
7 10	19 10.73	−22 24.9	1.426	2.442	0.7	20.9
7 20	19 0.48	−22 50.5	1.452	2.452	5.6	21.3
7 30	18 51.74	−23 11.2	1.504	2.461	10.1	21.6
8 9	18 45.46	−23 26.5	1.579	2.471	14.0	21.9

98405 2000 UN_{9} 7 8.6 202.°12 6.°6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 44.34	−36 45.9	2.017	2.836	14.4	19.3
6 10	19 39.57	−38 6.8	1.939	2.834	11.7	19.1
6 20	19 31.90	−39 24.7	1.883	2.831	9.0	18.9
6 30	19 21.90	−40 32.3	1.851	2.829	7.0	18.8
7 10	19 10.60	−41 23.0	1.846	2.826	6.8	18.8
7 20	18 59.28	−41 52.7	1.866	2.822	8.6	18.9
7 30	18 49.28	−42 1.0	1.912	2.819	11.3	19.1
8 9	18 41.71	−41 50.8	1.979	2.815	14.0	19.2

494231 2016 NA_{47} 7 8.6 283.°54 0.°8/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 40.70	−19 9.3	2.205	3.017	13.5	22.8
6 10	19 36.29	−19 18.3	2.079	2.979	10.8	22.5
6 20	19 29.53	−19 33.5	1.975	2.941	7.5	22.3
6 30	19 20.79	−19 53.5	1.897	2.902	3.8	22.0
7 10	19 10.77	−20 16.1	1.845	2.861	0.9	21.7
7 20	19 0.37	−20 39.3	1.823	2.821	4.8	21.9
7 30	18 50.69	−21 1.0	1.827	2.779	9.0	22.0
8 9	18 42.68	−21 20.2	1.856	2.737	12.8	22.2

387237 2012 UV_{45} 7 8.7 232.°46 1.°2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.54	−18 3.8	2.129	2.946	13.8	21.8
6 10	19 34.31	−18 10.8	2.037	2.939	10.9	21.6
6 20	19 27.93	−18 24.4	1.966	2.932	7.5	21.3
6 30	19 19.88	−18 43.3	1.920	2.924	3.8	21.1
7 10	19 10.94	−19 5.3	1.901	2.916	1.2	20.9
7 20	19 1.99	−19 28.6	1.910	2.908	4.6	21.1
7 30	18 53.98	−19 51.4	1.945	2.900	8.3	21.3
8 9	18 47.71	−20 12.5	2.005	2.891	11.7	21.5

506771 2006 WZ_{178} 7 8.7 261.°80 0.°1/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 41.53	−21 48.5	1.745	2.575	15.8	22.8
6 10	19 37.38	−21 57.3	1.646	2.557	12.5	22.6
6 20	19 30.44	−22 11.4	1.569	2.539	8.6	22.3
6 30	19 21.24	−22 28.2	1.514	2.521	4.1	22.0
7 10	19 10.71	−22 44.8	1.486	2.502	0.7	21.7
7 20	19 0.04	−22 58.6	1.484	2.483	5.6	22.0
7 30	18 50.53	−23 8.1	1.508	2.464	10.2	22.2
8 9	18 43.28	−23 13.0	1.555	2.444	14.3	22.4

385241 2000 UE_{65} 7 8.7 252.°95 0.°5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 40.86	−20 54.4	2.077	2.896	14.0	21.5
6 10	19 36.32	−20 53.3	1.975	2.879	11.1	21.3
6 20	19 29.42	−20 56.2	1.893	2.861	7.6	21.0
6 30	19 20.65	−21 1.6	1.837	2.843	3.7	20.7
7 10	19 10.82	−21 7.5	1.808	2.825	0.7	20.5
7 20	19 0.90	−21 12.3	1.807	2.806	4.8	20.7
7 30	18 51.95	−21 15.2	1.833	2.786	8.9	20.9
8 9	18 44.87	−21 16.0	1.882	2.766	12.5	21.1

277168 2005 NB_{72} 7 8.7 290.°11 1.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.86	−19 2.4	1.580	2.415	16.9	21.0
6 10	19 36.27	−18 39.3	1.482	2.395	13.6	20.7
6 20	19 29.80	−18 21.2	1.405	2.375	9.5	20.4
6 30	19 20.97	−18 7.7	1.350	2.354	5.0	20.1
7 10	19 10.76	−17 57.9	1.319	2.334	2.0	19.9
7 20	19 0.41	−17 50.9	1.315	2.314	6.1	20.1
7 30	18 51.30	−17 46.2	1.334	2.294	10.9	20.3
8 9	18 44.55	−17 43.2	1.376	2.274	15.3	20.5

501984 2014 YN_{41} 7 8.7 240.°34 1.°2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.82	−18 44.3	1.849	2.667	15.5	22.7
6 10	19 38.16	−18 46.1	1.748	2.652	12.4	22.5
6 20	19 30.86	−18 54.6	1.669	2.635	8.6	22.2
6 30	19 21.41	−19 8.3	1.613	2.618	4.3	21.9
7 10	19 10.70	−19 25.1	1.584	2.600	1.3	21.7
7 20	18 59.85	−19 42.7	1.583	2.581	5.4	21.9
7 30	18 50.09	−19 59.3	1.608	2.562	9.8	22.1
8 9	18 42.43	−20 14.2	1.656	2.542	13.8	22.3

389135 2009 AH_{33} 7 8.7 265.°82 1.°3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.72	−25 22.8	2.007	2.836	14.1	21.3
6 10	19 35.48	−25 34.9	1.918	2.828	11.1	21.1
6 20	19 28.84	−25 48.7	1.850	2.820	7.6	20.8
6 30	19 20.35	−26 1.4	1.806	2.812	3.7	20.6
7 10	19 10.89	−26 10.2	1.789	2.804	1.5	20.4
7 20	19 1.47	−26 13.2	1.800	2.796	5.1	20.6
7 30	18 53.16	−26 9.7	1.837	2.788	8.9	20.9
8 9	18 46.83	−26 0.6	1.897	2.780	12.4	21.1

50039 2000 AV_{56} 7 8.7 332.°20 1.°2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 36.26	−22 24.3	1.274	2.135	18.7	18.7
6 10	19 34.10	−22 53.6	1.195	2.124	14.8	18.4
6 20	19 28.67	−23 31.4	1.135	2.113	10.1	18.2
6 30	19 20.53	−24 13.7	1.095	2.103	4.9	17.8
7 10	19 10.87	−24 55.3	1.078	2.094	1.5	17.6
7 20	19 1.15	−25 31.2	1.085	2.086	6.8	17.9
7 30	18 53.01	−25 58.2	1.115	2.078	12.0	18.2
8 9	18 47.71	−26 15.8	1.164	2.072	16.7	18.4

468572 2007 EB_{57} 7 8.7 23.°16 21.°2/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 31.74	+28 0.0	1.146	1.812	30.8	19.7
6 10	19 30.16	+28 50.9	1.118	1.835	29.1	19.6
6 20	19 25.55	+28 51.2	1.095	1.859	27.2	19.6
6 30	19 18.79	+27 52.8	1.082	1.886	25.2	19.5
7 10	19 11.19	+25 53.1	1.080	1.915	23.3	19.5
7 20	19 4.10	+22 56.5	1.093	1.945	21.9	19.5
7 30	18 58.76	+19 14.6	1.124	1.977	21.2	19.6
8 9	18 56.02	+15 5.1	1.173	2.011	21.4	19.7

199932 2007 GL_{40} 7 8.7 31.°78 1.°1/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 38.34	−18 51.7	1.561	2.400	16.9	20.4
6 10	19 34.79	−18 54.7	1.490	2.405	13.4	20.1
6 20	19 28.54	−19 5.4	1.438	2.410	9.2	19.9
6 30	19 20.25	−19 22.1	1.409	2.415	4.6	19.7
7 10	19 10.95	−19 42.2	1.405	2.421	1.3	19.4
7 20	19 1.83	−20 3.1	1.426	2.427	5.5	19.7
7 30	18 54.10	−20 22.9	1.472	2.433	9.9	20.0
8 9	18 48.67	−20 40.4	1.541	2.440	13.9	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
390082	2012 UM_{137}		7	8.7	280.°90	0.°0/ 8.5 16
	h m	° ′			°	m
5 31	19 38.66	−21 37.9	1.889	2.719	14.8	21.9
6 10	19 34.79	−21 46.8	1.798	2.709	11.7	21.7
6 20	19 28.47	−22 0.4	1.728	2.699	8.0	21.4
6 30	19 20.23	−22 16.6	1.682	2.689	3.8	21.1
7 10	19 10.94	−22 32.9	1.663	2.679	0.6	20.9
7 20	19 1.65	−22 47.0	1.670	2.669	5.0	21.2
7 30	18 53.45	−22 57.6	1.702	2.659	9.2	21.4
8 9	18 47.26	−23 4.3	1.759	2.649	12.9	21.6
398262	2010 TA_{31}		7	8.7	335.°85	1.°2/ 8.9 18
5 31	19 35.78	−18 47.7	1.971	2.800	14.3	21.4
6 10	19 32.32	−18 44.0	1.884	2.793	11.3	21.2
6 20	19 26.66	−18 46.0	1.818	2.787	7.8	21.0
6 30	19 19.31	−18 52.7	1.776	2.781	3.9	20.7
7 10	19 11.09	−19 2.7	1.761	2.776	1.3	20.5
7 20	19 2.92	−19 14.3	1.772	2.771	4.7	20.8
7 30	18 55.76	−19 26.2	1.808	2.766	8.6	21.0
8 9	18 50.42	−19 37.4	1.869	2.762	12.1	21.2
327196	2005 MR_{33}		7	8.7	354.°37	1.°9/ 9.1 18
5 31	19 35.02	−17 46.5	1.216	2.076	19.5	20.4
6 10	19 32.99	−17 42.9	1.145	2.071	15.5	20.1
6 20	19 27.78	−17 50.0	1.091	2.068	10.8	19.8
6 30	19 20.05	−18 6.7	1.058	2.065	5.6	19.5
7 10	19 10.98	−18 30.4	1.048	2.063	2.0	19.3
7 20	19 2.02	−18 57.7	1.060	2.062	6.5	19.6
7 30	18 54.67	−19 25.7	1.095	2.063	11.7	19.9
8 9	18 50.07	−19 51.8	1.150	2.064	16.3	20.2
291643	2006 HT_{38}		7	8.7	64.°96	1.°3/ 8.3 17
5 31	19 41.64	−22 17.1	1.314	2.163	18.9	20.5
6 10	19 37.94	−22 56.5	1.251	2.173	14.8	20.3
6 20	19 30.98	−23 43.8	1.208	2.184	10.0	20.1
6 30	19 21.50	−24 33.9	1.187	2.194	4.8	19.8
7 10	19 10.78	−25 21.0	1.189	2.205	1.6	19.6
7 20	19 0.33	−26 0.3	1.217	2.216	6.5	19.9
7 30	18 51.67	−26 29.1	1.268	2.227	11.4	20.3
8 9	18 45.85	−26 47.8	1.340	2.238	15.6	20.5
162089	1998 OL_{13}		7	8.7	306.°37	1.°5/ 8.3 18
5 31	19 38.90	−25 40.1	1.704	2.545	15.7	19.5
6 10	19 35.42	−25 47.6	1.609	2.526	12.4	19.3
6 20	19 29.16	−25 56.7	1.535	2.508	8.5	19.0
6 30	19 20.66	−26 4.6	1.483	2.490	4.2	18.7
7 10	19 10.90	−26 7.9	1.457	2.472	1.7	18.5
7 20	19 1.06	−26 4.5	1.457	2.455	5.8	18.7
7 30	18 52.47	−25 53.9	1.481	2.438	10.3	18.9
8 9	18 46.17	−25 37.3	1.528	2.421	14.3	19.2
373773	2002 TR_{303}		7	8.7	289.°37	0.°1/ 8.7 13 C
5 31	19 39.38	−20 14.7	1.562	2.401	16.9	22.2
6 10	19 36.15	−20 32.7	1.460	2.376	13.5	21.9
6 20	19 29.93	−20 59.4	1.378	2.351	9.4	21.6
6 30	19 21.17	−21 32.4	1.318	2.325	4.5	21.2
7 10	19 10.82	−22 8.2	1.283	2.299	0.7	20.9
7 20	19 0.13	−22 42.9	1.274	2.274	6.0	21.2
7 30	18 50.59	−23 13.3	1.288	2.248	11.2	21.4
8 9	18 43.47	−23 38.1	1.325	2.222	15.8	21.6
40797	1999 TM_{37}		7	8.7	6.°45	6.°4/11.0 18
5 31	19 35.32	− 5 53.1	1.646	2.452	17.6	17.9
6 10	19 32.25	− 5 36.5	1.569	2.452	14.7	17.6
6 20	19 26.76	− 5 37.2	1.511	2.453	11.4	17.4
6 30	19 19.43	− 5 57.2	1.474	2.454	8.2	17.3
7 10	19 11.14	− 6 35.9	1.461	2.455	6.4	17.2
7 20	19 2.91	− 7 30.9	1.473	2.457	7.6	17.2
7 30	18 55.82	− 8 37.7	1.509	2.459	10.7	17.4
8 9	18 50.74	− 9 50.8	1.568	2.462	14.0	17.6
370912	2005 JL_{70}		7	8.7	145.°05	4.°4/ 7.4 17
5 31	19 44.39	−30 23.6	1.641	2.476	16.4	21.0
6 10	19 39.79	−31 14.3	1.569	2.480	13.0	20.8
6 20	19 32.12	−32 5.0	1.517	2.484	9.2	20.6
6 30	19 22.04	−32 49.4	1.489	2.488	5.6	20.4
7 10	19 10.73	−33 21.6	1.486	2.491	4.6	20.3
7 20	18 59.60	−33 37.9	1.509	2.495	7.4	20.5
7 30	18 50.05	−33 38.0	1.557	2.498	11.1	20.7
8 9	18 43.16	−33 24.7	1.627	2.500	14.7	21.0
3254	Bus		7	8.7	313.°80	1.°5/ 8.0 18
5 31	19 34.25	−26 31.7	2.825	3.646	10.6	16.9
6 10	19 30.57	−26 53.8	2.727	3.634	8.3	16.8
6 20	19 25.21	−27 16.9	2.653	3.621	5.7	16.6
6 30	19 18.58	−27 38.9	2.604	3.609	2.9	16.4
7 10	19 11.28	−27 57.4	2.584	3.597	1.7	16.3
7 20	19 3.96	−28 10.9	2.591	3.585	4.1	16.4
7 30	18 57.35	−28 18.5	2.627	3.573	6.9	16.6
8 9	18 52.06	−28 20.3	2.687	3.561	9.5	16.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
428880	2008 UB_{299}		7	8.7	356.°89	2.°9/ 8.9 16
	h m	° ′			°	m
5 31	19 35.81	−19 6.9	1.283	2.140	18.8	20.1
6 10	19 33.37	−18 15.9	1.211	2.135	15.0	19.8
6 20	19 27.89	−17 29.1	1.157	2.132	10.5	19.5
6 30	19 20.05	−16 47.7	1.125	2.129	5.7	19.3
7 10	19 11.05	−16 12.5	1.115	2.128	3.0	19.1
7 20	19 2.25	−15 44.1	1.129	2.129	6.7	19.3
7 30	18 55.05	−15 23.0	1.165	2.130	11.5	19.6
8 9	18 50.47	−15 8.6	1.222	2.133	15.8	19.8
55250	2001 RX_{102}		7	8.7	297.°04	1.°1/ 8.3 18
5 31	19 37.88	−23 38.6	1.983	2.814	14.1	19.4
6 10	19 34.11	−24 1.7	1.893	2.805	11.1	19.2
6 20	19 27.98	−24 28.8	1.826	2.797	7.6	19.0
6 30	19 20.01	−24 57.0	1.782	2.789	3.7	18.7
7 10	19 11.05	−25 23.0	1.765	2.781	1.3	18.5
7 20	19 2.09	−25 44.2	1.775	2.773	5.0	18.8
7 30	18 54.19	−25 59.1	1.812	2.765	8.9	19.0
8 9	18 48.20	−26 7.7	1.871	2.757	12.4	19.2
73679	1989 SQ_2		7	8.7	302.°42	0.°3/ 8.6 18
5 31	19 38.00	−21 8.4	1.344	2.197	18.4	19.4
6 10	19 35.57	−21 28.2	1.247	2.171	14.7	19.1
6 20	19 29.85	−21 57.4	1.169	2.145	10.2	18.8
6 30	19 21.25	−22 33.2	1.112	2.120	4.9	18.4
7 10	19 10.83	−23 11.2	1.078	2.094	0.9	18.0
7 20	19 0.01	−23 46.8	1.068	2.069	6.7	18.3
7 30	18 50.52	−24 16.3	1.081	2.044	12.4	18.6
8 9	18 43.81	−24 38.5	1.114	2.020	17.4	18.8
327215	2005 OC_{17}		7	8.7	45.°72	9.°0/12.2 17
5 31	19 36.88	− 0 27.3	1.550	2.337	19.3	20.9
6 10	19 33.55	+ 0 3.5	1.479	2.341	16.6	20.7
6 20	19 27.69	+ 0 12.1	1.425	2.346	13.5	20.5
6 30	19 19.88	− 0 4.8	1.391	2.351	10.7	20.3
7 10	19 11.09	− 0 47.8	1.380	2.356	9.1	20.3
7 20	19 2.39	− 1 54.4	1.392	2.361	9.8	20.3
7 30	18 54.93	− 3 19.2	1.428	2.366	12.1	20.5
8 9	18 49.61	− 4 54.7	1.486	2.371	15.1	20.7
33969	2000 NM_{13}		7	8.7	205.°63	5.°1/ 8.3 18
5 31	19 51.58	−37 33.5	1.925	2.734	15.3	19.0
6 10	19 44.96	−37 30.5	1.840	2.731	12.5	18.7
6 20	19 35.31	−37 18.2	1.777	2.729	9.2	18.5
6 30	19 23.42	−36 51.2	1.737	2.726	6.3	18.4
7 10	19 10.56	−36 6.4	1.725	2.723	5.2	18.3
7 20	18 58.12	−35 3.9	1.740	2.719	7.2	18.4
7 30	18 47.43	−33 47.3	1.783	2.716	10.4	18.6
8 9	18 39.44	−32 22.3	1.849	2.712	13.6	18.8
477493	2010 CN_{24}		7	8.7	21.°71	2.°6/ 8.3 17
5 31	19 41.98	−29 6.4	1.633	2.472	16.3	20.8
6 10	19 37.70	−29 8.1	1.559	2.474	12.9	20.6
6 20	19 30.54	−29 7.8	1.506	2.477	8.9	20.4
6 30	19 21.22	−29 1.7	1.476	2.481	4.7	20.1
7 10	19 10.89	−28 46.9	1.472	2.484	2.7	20.0
7 20	19 0.85	−28 22.5	1.493	2.488	6.1	20.2
7 30	18 52.38	−27 49.7	1.539	2.493	10.2	20.5
8 9	18 46.41	−27 11.2	1.608	2.497	14.0	20.7
311448	2005 UG_{287}		7	8.7	181.°62	2.°6/ 7.6 18
5 31	19 38.67	−28 41.6	2.495	3.315	11.9	21.3
6 10	19 34.24	−29 20.8	2.411	3.315	9.4	21.1
6 20	19 27.80	−30 0.5	2.350	3.315	6.5	21.0
6 30	19 19.84	−30 37.1	2.314	3.315	3.7	20.8
7 10	19 11.10	−31 7.4	2.307	3.315	2.8	20.7
7 20	19 2.41	−31 29.0	2.328	3.314	5.0	20.9
7 30	18 54.62	−31 41.0	2.375	3.314	7.9	21.0
8 9	18 48.47	−31 44.0	2.448	3.313	10.6	21.2
479380	2013 YT_1		7	8.7	83.°39	0.°6/ 8.4 16
5 31	19 39.95	−21 15.2	1.928	2.754	14.7	21.3
6 10	19 35.52	−21 53.3	1.862	2.770	11.4	21.2
6 20	19 28.77	−22 37.2	1.816	2.786	7.7	21.0
6 30	19 20.31	−23 23.6	1.796	2.802	3.6	20.8
7 10	19 11.04	−24 8.6	1.802	2.818	0.9	20.6
7 20	19 1.96	−24 48.9	1.836	2.834	4.8	20.9
7 30	18 54.07	−25 22.5	1.897	2.850	8.6	21.2
8 9	18 48.17	−25 48.7	1.981	2.865	12.0	21.4
153240	2001 AG_{39}		7	8.7	203.°89	1.°5/ 9.4 18
5 31	19 36.13	−14 44.5	2.492	3.297	12.3	20.2
6 10	19 32.10	−15 15.7	2.401	3.295	9.8	20.0
6 20	19 26.29	−15 56.0	2.333	3.294	6.8	19.8
6 30	19 19.12	−16 43.7	2.291	3.293	3.6	19.6
7 10	19 11.21	−17 36.4	2.277	3.291	1.5	19.5
7 20	19 3.30	−18 31.2	2.292	3.289	4.0	19.7
7 30	18 56.14	−19 25.5	2.334	3.288	7.2	19.9
8 9	18 50.40	−20 17.1	2.402	3.286	10.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
70748	1999 VV_{22}		7	8.7	100.°90	15.°8/15.3 18
	h m	° ′			°	m
5 31	19 40.05	+22 37.5	2.230	2.828	18.8	18.7
6 10	19 35.35	+24 48.1	2.180	2.841	17.8	18.6
6 20	19 28.56	+26 33.7	2.146	2.854	16.9	18.5
6 30	19 20.20	+27 48.0	2.127	2.867	16.2	18.5
7 10	19 11.05	+28 27.1	2.126	2.879	15.9	18.5
7 20	19 1.99	+28 29.7	2.142	2.892	15.8	18.5
7 30	18 53.91	+27 58.0	2.175	2.904	16.2	18.6
8 9	18 47.56	+26 57.4	2.225	2.915	16.8	18.7
44776	1999 TM_{149}		7	8.7	212.°86	0.°6/ 8.8 18
5 31	19 42.32	−20 21.8	1.788	2.613	15.7	20.0
6 10	19 37.74	−20 24.2	1.701	2.608	12.4	19.8
6 20	19 30.53	−20 32.1	1.634	2.603	8.5	19.5
6 30	19 21.26	−20 43.5	1.591	2.597	4.1	19.3
7 10	19 10.89	−20 56.1	1.575	2.591	0.8	19.0
7 20	19 0.55	−21 7.7	1.585	2.585	5.2	19.3
7 30	18 51.44	−21 17.1	1.622	2.578	9.6	19.5
8 9	18 44.52	−21 23.9	1.682	2.570	13.5	19.8
357219	2002 GP_{190}		7	8.7	50.°60	2.°7/ 9.5 18
5 31	19 36.17	−14 38.8	2.200	3.012	13.5	20.9
6 10	19 32.22	−14 22.0	2.123	3.019	10.8	20.7
6 20	19 26.37	−14 12.3	2.067	3.026	7.7	20.5
6 30	19 19.13	−14 9.9	2.036	3.034	4.5	20.3
7 10	19 11.23	−14 14.1	2.032	3.042	2.7	20.2
7 20	19 3.48	−14 23.6	2.055	3.050	4.8	20.4
7 30	18 56.66	−14 37.2	2.105	3.058	7.9	20.6
8 9	18 51.44	−14 53.4	2.179	3.066	10.9	20.8
230383	2002 GH_{83}		7	8.7	53.°96	0.°6/ 8.9 17
5 31	19 38.59	−18 44.6	1.656	2.490	16.3	20.0
6 10	19 34.83	−19 8.9	1.587	2.500	12.8	19.7
6 20	19 28.51	−19 41.8	1.539	2.510	8.7	19.5
6 30	19 20.26	−20 20.6	1.514	2.521	4.2	19.3
7 10	19 11.06	−21 1.8	1.515	2.531	0.8	19.1
7 20	19 2.05	−21 41.7	1.542	2.542	5.2	19.4
7 30	18 54.35	−22 17.6	1.594	2.553	9.5	19.7
8 9	18 48.85	−22 48.2	1.669	2.564	13.2	19.9
25349	1999 RL_{127}		7	8.7	201.°55	1.°0/ 8.5 18 R
5 31	19 43.27	−25 50.6	2.176	2.993	13.5	18.1
6 10	19 37.97	−25 44.2	2.087	2.990	10.6	17.9
6 20	19 30.39	−25 37.6	2.019	2.987	7.3	17.7
6 30	19 21.09	−25 28.5	1.977	2.983	3.5	17.5
7 10	19 10.94	−25 15.1	1.963	2.979	1.2	17.3
7 20	19 0.91	−24 56.7	1.977	2.974	4.7	17.6
7 30	18 52.02	−24 33.6	2.019	2.969	8.4	17.8
8 9	18 45.04	−24 7.3	2.085	2.963	11.7	18.0
374910	2006 XT_{12}		7	8.7	125.°88	1.°5/ 8.9 17
5 31	19 41.99	−19 21.5	1.697	2.524	16.3	20.8
6 10	19 37.41	−19 5.4	1.621	2.529	12.9	20.6
6 20	19 30.22	−18 54.6	1.566	2.535	8.9	20.4
6 30	19 21.06	−18 48.0	1.535	2.539	4.5	20.1
7 10	19 10.95	−18 44.3	1.529	2.544	1.5	20.0
7 20	19 1.05	−18 42.2	1.550	2.549	5.4	20.2
7 30	18 52.50	−18 41.2	1.596	2.553	9.6	20.5
8 9	18 46.21	−18 40.6	1.666	2.557	13.4	20.7
154905	2004 RB_{306}		7	8.7	286.°65	0.°8/ 8.9 18
5 31	19 35.89	−18 44.9	2.337	3.156	12.7	20.5
6 10	19 32.14	−18 54.7	2.239	3.143	10.0	20.3
6 20	19 26.45	−19 10.3	2.163	3.130	6.9	20.1
6 30	19 19.25	−19 30.4	2.112	3.117	3.4	19.8
7 10	19 11.22	−19 53.2	2.088	3.104	0.9	19.6
7 20	19 3.15	−20 16.6	2.092	3.091	4.2	19.8
7 30	18 55.88	−20 39.2	2.123	3.078	7.7	20.0
8 9	18 50.15	−20 59.7	2.178	3.065	10.9	20.2
65847	1997 BH_6		7	8.7	324.°76	2.°2/ 9.3 18
5 31	19 36.02	−16 18.7	1.572	2.410	16.9	19.5
6 10	19 33.15	−16 18.3	1.486	2.399	13.5	19.2
6 20	19 27.62	−16 28.0	1.419	2.389	9.5	19.0
6 30	19 19.96	−16 47.0	1.375	2.378	5.1	18.7
7 10	19 11.12	−17 13.5	1.355	2.369	2.2	18.5
7 20	19 2.23	−17 44.6	1.359	2.360	5.8	18.7
7 30	18 54.55	−18 17.5	1.389	2.351	10.3	18.9
8 9	18 49.09	−18 49.8	1.440	2.343	14.4	19.2
446387	2014 HK_{159}		7	8.7	350.°37	5.°9/10.6 16
5 31	19 33.05	− 7 19.2	1.784	2.594	16.3	21.1
6 10	19 30.34	− 6 54.6	1.702	2.588	13.5	20.9
6 20	19 25.42	− 6 44.4	1.638	2.583	10.4	20.7
6 30	19 18.81	− 6 50.3	1.597	2.579	7.5	20.5
7 10	19 11.30	− 7 12.6	1.580	2.576	5.9	20.4
7 20	19 3.82	− 7 49.6	1.588	2.573	7.1	20.5
7 30	18 57.35	− 8 38.1	1.621	2.571	10.1	20.6
8 9	18 52.69	− 9 33.9	1.676	2.569	13.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
469028	2015 AR_{245}		7	8.7	290.°90	1.°9/ 9.3 18
	h m	° ′			°	m
5 31	19 38.00	−15 51.4	1.541	2.375	17.3	20.7
6 10	19 34.91	−16 9.1	1.448	2.359	13.9	20.5
6 20	19 28.98	−16 39.6	1.374	2.343	9.8	20.2
6 30	19 20.70	−17 21.5	1.322	2.327	5.2	19.9
7 10	19 11.00	−18 11.7	1.296	2.311	1.9	19.6
7 20	19 1.10	−19 6.1	1.294	2.295	5.9	19.8
7 30	18 52.38	−20 0.4	1.317	2.279	10.8	20.1
8 9	18 45.99	−20 51.2	1.362	2.263	15.2	20.3
99554	2002 EV_{143}		7	8.7	326.°26	3.°5/ 9.6 17
5 31	19 34.38	−14 29.1	1.422	2.266	18.0	19.0
6 10	19 32.19	−14 16.7	1.333	2.248	14.6	18.7
6 20	19 27.18	−14 16.2	1.263	2.232	10.5	18.4
6 30	19 19.85	−14 28.0	1.214	2.216	6.1	18.1
7 10	19 11.16	−14 51.0	1.188	2.200	3.5	17.9
7 20	19 2.36	−15 22.9	1.187	2.186	6.6	18.1
7 30	18 54.79	−16 0.5	1.208	2.172	11.2	18.3
8 9	18 49.61	−16 40.4	1.250	2.160	15.7	18.5
446680	2015 OF_{13}		7	8.7	275.°58	2.°3/ 7.9 18
5 31	19 39.00	−28 7.1	2.225	3.050	13.0	21.3
6 10	19 34.74	−28 28.7	2.138	3.046	10.2	21.1
6 20	19 28.27	−28 50.4	2.074	3.042	7.1	20.9
6 30	19 20.13	−29 8.9	2.035	3.038	3.8	20.7
7 10	19 11.14	−29 21.4	2.022	3.034	2.4	20.6
7 20	19 2.22	−29 25.9	2.037	3.029	5.1	20.8
7 30	18 54.33	−29 21.9	2.079	3.025	8.4	21.0
8 9	18 48.25	−29 10.6	2.145	3.021	11.5	21.2
499229	2009 UT_{103}		7	8.7	298.°47	4.°8/ 6.9 18
5 31	19 40.73	−29 23.9	1.579	2.422	16.5	20.8
6 10	19 37.30	−30 34.8	1.497	2.414	13.2	20.6
6 20	19 30.73	−31 49.2	1.436	2.405	9.4	20.3
6 30	19 21.57	−33 0.3	1.397	2.397	5.9	20.1
7 10	19 10.91	−34 0.4	1.384	2.388	5.0	20.0
7 20	19 0.15	−34 43.9	1.396	2.380	8.0	20.2
7 30	18 50.82	−35 8.5	1.432	2.372	11.9	20.4
8 9	18 44.15	−35 15.8	1.489	2.365	15.7	20.6
184328	2005 GB_{91}		7	8.7	178.°90	1.°8/ 8.3 17
5 31	19 44.42	−26 4.5	1.726	2.556	15.9	21.4
6 10	19 39.53	−26 21.0	1.647	2.557	12.6	21.2
6 20	19 31.82	−26 39.0	1.588	2.558	8.6	20.9
6 30	19 21.91	−26 54.8	1.553	2.558	4.3	20.7
7 10	19 10.90	−27 4.8	1.544	2.558	2.0	20.5
7 20	19 0.04	−27 6.5	1.562	2.558	5.8	20.8
7 30	18 50.62	−26 59.8	1.605	2.557	10.0	21.0
8 9	18 43.61	−26 46.3	1.672	2.556	13.8	21.2
340208	2006 AA_{40}		7	8.7	34.°97	3.°0/ 8.4 17
5 31	19 43.75	−30 25.0	1.583	2.421	16.7	20.3
6 10	19 39.15	−30 20.2	1.513	2.427	13.2	20.1
6 20	19 31.55	−30 11.5	1.463	2.433	9.2	19.9
6 30	19 21.74	−29 55.2	1.436	2.440	5.0	19.6
7 10	19 10.94	−29 28.7	1.435	2.446	3.1	19.5
7 20	19 0.54	−28 51.6	1.459	2.453	6.3	19.8
7 30	18 51.84	−28 6.0	1.508	2.461	10.4	20.0
8 9	18 45.77	−27 15.5	1.580	2.469	14.2	20.3
128433	2004 NY_1		7	8.7	339.°99	3.°4/ 7.1 18
5 31	19 33.56	−24 46.6	1.565	2.419	16.1	18.5
6 10	19 31.62	−26 7.3	1.477	2.402	12.8	18.2
6 20	19 26.87	−27 37.7	1.409	2.385	8.8	17.9
6 30	19 19.75	−29 11.9	1.365	2.370	4.9	17.7
7 10	19 11.20	−30 42.2	1.346	2.356	3.7	17.6
7 20	19 2.43	−32 1.4	1.352	2.343	7.2	17.7
7 30	18 54.84	−33 4.6	1.382	2.331	11.5	17.9
8 9	18 49.62	−33 50.4	1.433	2.321	15.4	18.2
62747	2000 UB_3		7	8.7	347.°31	7.°1/ 6.4 18
5 31	19 33.52	−32 7.3	1.168	2.042	19.1	18.3
6 10	19 32.63	−33 25.0	1.097	2.030	15.5	18.0
6 20	19 28.10	−34 44.1	1.044	2.019	11.4	17.7
6 30	19 20.48	−35 55.6	1.012	2.009	8.0	17.5
7 10	19 11.09	−36 50.0	1.001	2.001	7.4	17.4
7 20	19 1.70	−37 20.3	1.011	1.995	10.4	17.6
7 30	18 54.18	−37 25.1	1.042	1.990	14.5	17.8
8 9	18 49.96	−37 7.7	1.091	1.987	18.6	18.0
146935	2002 DF_5		7	8.7	117.°35	6.°9/ 5.0 18
5 31	19 43.72	−40 56.7	2.465	3.267	12.5	19.9
6 10	19 38.70	−42 26.4	2.397	3.275	10.4	19.7
6 20	19 31.15	−43 50.4	2.353	3.283	8.5	19.6
6 30	19 21.59	−45 2.2	2.334	3.291	7.1	19.6
7 10	19 10.95	−45 56.3	2.342	3.298	7.1	19.6
7 20	19 0.31	−46 29.8	2.376	3.305	8.4	19.7
7 30	18 50.83	−46 42.3	2.435	3.312	10.3	19.8
8 9	18 43.43	−46 36.8	2.516	3.319	12.3	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501589	2014 QY_{140}		7 8.7	319.°02	0.°2/ 8.7	17
	h m	° ′			°	m
5 31	19 37.08	−20 13.7	1.120	1.986	20.4	22.0
6 10	19 35.21	−20 27.8	1.042	1.973	16.3	21.7
6 20	19 29.75	−20 52.5	0.980	1.960	11.2	21.4
6 30	19 21.26	−21 25.3	0.939	1.947	5.5	21.1
7 10	19 10.98	−22 1.7	0.919	1.935	0.8	20.7
7 20	19 0.58	−22 36.6	0.921	1.924	7.1	21.1
7 30	18 51.88	−23 6.5	0.945	1.914	13.0	21.3
8 9	18 46.34	−23 29.6	0.988	1.904	18.2	21.6
121398	1999 TH_{129}		7 8.7	317.°09	1.°0/ 8.5	18
5 31	19 38.55	−23 49.7	1.639	2.481	16.1	20.3
6 10	19 35.16	−24 1.0	1.553	2.471	12.7	20.1
6 20	19 29.00	−24 16.0	1.487	2.461	8.7	19.8
6 30	19 20.65	−24 31.8	1.445	2.452	4.2	19.5
7 10	19 11.10	−24 45.2	1.427	2.443	1.2	19.3
7 20	19 1.56	−24 53.7	1.435	2.434	5.7	19.6
7 30	18 53.33	−24 56.1	1.468	2.426	10.2	19.8
8 9	18 47.42	−24 52.9	1.522	2.418	14.2	20.0
10100	Bürgel		7 8.7	241.°65	1.°0/ 8.4	18
5 31	19 42.32	−23 32.5	1.881	2.707	15.0	18.7
6 10	19 37.83	−23 53.4	1.786	2.694	11.9	18.4
6 20	19 30.70	−24 18.5	1.711	2.681	8.1	18.2
6 30	19 21.45	−24 44.7	1.661	2.667	3.9	17.9
7 10	19 10.98	−25 8.5	1.637	2.653	1.3	17.7
7 20	19 0.42	−25 26.9	1.641	2.638	5.4	17.9
7 30	18 50.98	−25 38.5	1.670	2.622	9.7	18.1
8 9	18 43.69	−25 43.5	1.723	2.607	13.5	18.3
224106	2005 PR_2		7 8.7	311.°04	1.°2/ 8.9	18
5 31	19 36.33	−18 42.5	1.379	2.229	18.1	20.0
6 10	19 34.09	−18 46.5	1.282	2.203	14.5	19.7
6 20	19 28.74	−19 0.2	1.203	2.177	10.2	19.3
6 30	19 20.74	−19 22.4	1.145	2.152	5.2	19.0
7 10	19 11.06	−19 50.5	1.111	2.127	1.4	18.7
7 20	19 1.06	−20 21.0	1.100	2.102	6.4	18.9
7 30	18 52.31	−20 50.8	1.113	2.078	11.9	19.1
8 9	18 46.15	−21 17.7	1.146	2.055	16.8	19.4
257010	2008 EO_{166}		7 8.7	47.°05	7.°4/ 5.5	18
5 31	19 42.07	−39 5.2	2.021	2.841	14.3	19.5
6 10	19 37.78	−40 35.8	1.960	2.852	11.8	19.4
6 20	19 30.69	−42 1.0	1.921	2.863	9.3	19.2
6 30	19 21.41	−43 13.1	1.907	2.875	7.6	19.1
7 10	19 11.00	−44 6.0	1.918	2.886	7.6	19.2
7 20	19 0.71	−44 36.3	1.954	2.898	9.1	19.3
7 30	18 51.82	−44 44.1	2.015	2.911	11.3	19.4
8 9	18 45.33	−44 32.8	2.096	2.923	13.6	19.6
443495	2014 JS_{26}		7 8.7	43.°30	3.°2/10.2	16
5 31	19 35.77	−10 43.4	1.982	2.791	14.9	21.0
6 10	19 32.17	−11 5.5	1.909	2.801	12.0	20.9
6 20	19 26.50	−11 40.7	1.856	2.811	8.7	20.7
6 30	19 19.30	−12 28.2	1.827	2.822	5.3	20.5
7 10	19 11.33	−13 25.4	1.824	2.833	3.2	20.4
7 20	19 3.47	−14 28.7	1.849	2.844	5.1	20.5
7 30	18 56.61	−15 34.4	1.900	2.856	8.4	20.8
8 9	18 51.47	−16 38.8	1.976	2.868	11.6	21.0
107386	2001 CS_{42}		7 8.7	56.°09	2.°0/ 8.3	17
5 31	19 43.38	−25 43.8	1.301	2.151	19.0	19.7
6 10	19 39.21	−26 2.4	1.247	2.169	14.8	19.5
6 20	19 31.75	−26 23.2	1.213	2.188	10.1	19.3
6 30	19 21.86	−26 41.8	1.200	2.207	5.0	19.0
7 10	19 10.96	−26 53.5	1.212	2.226	2.2	18.9
7 20	19 0.58	−26 56.1	1.247	2.246	6.5	19.2
7 30	18 52.15	−26 49.8	1.307	2.265	11.2	19.6
8 9	18 46.64	−26 36.3	1.388	2.285	15.2	19.8
152522	2006 SQ_{48}		7 8.7	273.°49	4.°2/ 9.8	18
5 31	19 39.06	−12 12.5	1.635	2.455	17.1	20.6
6 10	19 35.54	−11 57.8	1.538	2.437	14.0	20.4
6 20	19 29.31	−11 55.0	1.461	2.419	10.3	20.1
6 30	19 20.87	−12 5.3	1.406	2.401	6.4	19.8
7 10	19 11.10	−12 28.0	1.375	2.383	4.2	19.7
7 20	19 1.15	−13 1.1	1.370	2.365	6.6	19.8
7 30	18 52.28	−13 41.7	1.390	2.346	10.8	19.9
8 9	18 45.59	−14 26.4	1.432	2.327	15.0	20.1
343858	2011 HP_{52}		7 8.7	322.°33	2.°3/ 7.6	18
5 31	19 36.34	−21 25.7	1.486	2.335	17.1	19.5
6 10	19 33.98	−22 47.4	1.394	2.317	13.5	19.2
6 20	19 28.62	−24 23.4	1.323	2.299	9.3	18.9
6 30	19 20.69	−26 8.3	1.275	2.282	4.6	18.6
7 10	19 11.11	−27 53.9	1.252	2.266	2.6	18.4
7 20	19 1.21	−29 31.6	1.255	2.250	7.0	18.7
7 30	18 52.48	−30 54.8	1.281	2.235	11.8	18.9
8 9	18 46.27	−32 0.7	1.330	2.221	16.2	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
46933	1998 SP_{62}		7 8.7	246.°53	3.°2/ 7.7	18
	h m	° ′			°	m
5 31	19 40.97	−29 32.5	2.016	2.844	14.0	19.4
6 10	19 36.62	−30 6.8	1.931	2.839	11.1	19.2
6 20	19 29.76	−30 41.1	1.867	2.834	7.8	19.0
6 30	19 20.95	−31 11.1	1.828	2.829	4.5	18.8
7 10	19 11.11	−31 32.6	1.816	2.823	3.4	18.7
7 20	19 1.32	−31 43.1	1.830	2.818	6.0	18.8
7 30	18 52.70	−31 41.9	1.870	2.812	9.5	19.0
8 9	18 46.16	−31 30.5	1.934	2.807	12.7	19.2
300477	2007 TV_{119}		7 8.7	202.°63	5.°8/10.2	18
5 31	19 37.82	− 5 55.2	2.374	3.149	13.7	21.0
6 10	19 33.42	− 5 8.9	2.285	3.146	11.5	20.8
6 20	19 27.20	− 4 33.0	2.216	3.143	9.1	20.6
6 30	19 19.62	− 4 9.4	2.172	3.140	6.9	20.5
7 10	19 11.32	− 3 59.2	2.154	3.136	5.8	20.4
7 20	19 3.06	− 4 2.4	2.163	3.132	6.8	20.5
7 30	18 55.61	− 4 17.7	2.199	3.127	9.0	20.6
8 9	18 49.62	− 4 42.7	2.258	3.123	11.4	20.7
59196	1999 BN_2		7 8.7	27.°58	1.°4/ 8.5	17
5 31	19 40.37	−25 12.1	1.063	1.932	21.0	19.3
6 10	19 37.59	−25 9.9	1.008	1.940	16.5	19.0
6 20	19 31.06	−25 10.1	0.969	1.949	11.2	18.8
6 30	19 21.68	−25 8.9	0.951	1.959	5.4	18.5
7 10	19 11.03	−25 2.8	0.954	1.970	1.6	18.3
7 20	19 0.87	−24 49.9	0.980	1.982	7.0	18.7
7 30	18 52.88	−24 31.0	1.028	1.994	12.4	19.0
8 9	18 48.17	−24 8.0	1.095	2.007	17.1	19.3
239967	2001 PH_4		7 8.7	304.°28	0.°5/ 8.8	17
5 31	19 38.16	−19 15.1	1.219	2.076	19.6	20.1
6 10	19 35.84	−19 34.5	1.135	2.061	15.7	19.8
6 20	19 30.10	−20 5.6	1.069	2.046	10.9	19.5
6 30	19 21.44	−20 46.2	1.024	2.031	5.3	19.1
7 10	19 11.02	−21 31.6	1.001	2.017	0.9	18.8
7 20	19 0.40	−22 16.7	1.001	2.003	6.8	19.1
7 30	18 51.33	−22 57.1	1.023	1.990	12.6	19.4
8 9	18 45.22	−23 30.6	1.066	1.977	17.7	19.6
106638	2000 WB_{133}		7 8.7	332.°13	2.°8/ 9.0	18
5 31	19 39.45	−17 31.0	2.032	2.849	14.3	18.8
6 10	19 35.05	−16 39.7	1.943	2.844	11.5	18.6
6 20	19 28.47	−15 51.5	1.877	2.839	8.1	18.4
6 30	19 20.26	−15 7.3	1.835	2.835	4.7	18.2
7 10	19 11.24	−14 27.9	1.820	2.830	2.8	18.1
7 20	19 2.34	−13 54.2	1.832	2.827	5.3	18.2
7 30	18 54.51	−13 26.5	1.871	2.823	8.8	18.4
8 9	18 48.49	−13 4.9	1.934	2.820	12.1	18.6
151709	2003 BN_{37}		7 8.7	19.°44	5.°5/ 7.6	18
5 31	19 43.31	−33 53.1	1.531	2.372	17.1	19.7
6 10	19 39.24	−34 27.5	1.461	2.374	13.7	19.5
6 20	19 31.90	−34 57.5	1.411	2.376	10.0	19.3
6 30	19 22.05	−35 16.7	1.384	2.379	6.6	19.1
7 10	19 10.98	−35 19.9	1.380	2.381	5.6	19.0
7 20	19 0.20	−35 4.8	1.402	2.385	8.1	19.2
7 30	18 51.21	−34 32.8	1.447	2.388	11.7	19.4
8 9	18 45.07	−33 48.4	1.513	2.392	15.3	19.6
473081	2015 HX_{123}		7 8.7	347.°15	2.°1/ 9.2	16
5 31	19 34.15	−17 33.3	1.415	2.265	17.7	20.8
6 10	19 31.96	−17 24.2	1.335	2.256	14.1	20.5
6 20	19 26.96	−17 24.0	1.275	2.248	9.9	20.2
6 30	19 19.74	−17 32.4	1.236	2.241	5.2	19.9
7 10	19 11.31	−17 47.4	1.221	2.235	2.1	19.7
7 20	19 2.93	−18 6.7	1.229	2.230	6.0	20.0
7 30	18 55.90	−18 28.1	1.261	2.227	10.7	20.2
8 9	18 51.25	−18 49.4	1.314	2.224	15.0	20.5
428322	2007 HC_{13}		7 8.7	28.°14	3.°8/ 9.7	16
5 31	19 35.91	−14 10.8	1.174	2.028	20.4	20.3
6 10	19 33.39	−13 54.1	1.125	2.045	16.2	20.1
6 20	19 27.83	−13 51.5	1.094	2.064	11.5	19.9
6 30	19 20.04	−14 2.8	1.082	2.084	6.7	19.7
7 10	19 11.30	−14 26.0	1.093	2.105	3.8	19.6
7 20	19 3.01	−14 57.6	1.128	2.127	6.8	19.8
7 30	18 56.45	−15 33.8	1.184	2.150	11.2	20.1
8 9	18 52.53	−16 11.0	1.262	2.175	15.3	20.4
314071	2005 CO_1		7 8.7	183.°05	0.°6/ 8.6	17
5 31	19 44.08	−22 51.5	1.732	2.559	16.0	21.6
6 10	19 39.23	−23 3.3	1.651	2.560	12.6	21.4
6 20	19 31.62	−23 19.2	1.590	2.560	8.6	21.1
6 30	19 21.87	−23 36.3	1.553	2.560	4.1	20.9
7 10	19 11.02	−23 51.3	1.543	2.559	0.9	20.6
7 20	19 0.27	−24 1.7	1.559	2.558	5.4	20.9
7 30	18 50.88	−24 6.7	1.602	2.556	9.8	21.2
8 9	18 43.82	−24 6.6	1.667	2.554	13.7	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
216516	2000 WQ_{21}		7 8.7	242.°85	3.°2/ 9.3	18
	h m	° ′			°	m
5 31	19 41.66	−15 37.5	1.628	2.452	17.0	20.4
6 10	19 37.49	−15 11.0	1.539	2.443	13.7	20.2
6 20	19 30.55	−14 52.5	1.470	2.434	9.8	19.9
6 30	19 21.42	−14 42.2	1.424	2.424	5.6	19.6
7 10	19 11.08	−14 39.6	1.403	2.414	3.2	19.5
7 20	19 0.72	−14 43.8	1.408	2.404	6.2	19.6
7 30	18 51.61	−14 53.4	1.437	2.393	10.6	19.9
8 9	18 44.79	−15 6.9	1.490	2.383	14.6	20.1
346708	2008 YT_{162}		7 8.7	272.°30	1.°5/ 9.1	18
5 31	19 38.29	−17 48.4	1.952	2.775	14.6	21.5
6 10	19 34.40	−17 45.8	1.860	2.765	11.6	21.3
6 20	19 28.22	−17 50.0	1.789	2.756	8.1	21.0
6 30	19 20.23	−17 59.9	1.742	2.746	4.2	20.8
7 10	19 11.26	−18 14.0	1.722	2.737	1.6	20.6
7 20	19 2.29	−18 30.3	1.728	2.727	4.9	20.8
7 30	18 54.32	−18 47.4	1.761	2.718	8.9	21.0
8 9	18 48.23	−19 3.9	1.817	2.708	12.5	21.2
144965	2005 EA_{86}		7 8.7	357.°21	0.°5/ 8.6	18
5 31	19 31.03	−20 49.8	0.987	1.871	21.0	18.7
6 10	19 30.63	−21 16.4	0.923	1.865	16.6	18.4
6 20	19 26.66	−21 54.5	0.876	1.860	11.4	18.1
6 30	19 19.78	−22 40.5	0.848	1.858	5.4	17.7
7 10	19 11.32	−23 28.5	0.840	1.857	1.1	17.4
7 20	19 2.98	−24 12.4	0.854	1.857	7.2	17.8
7 30	18 56.52	−24 48.0	0.887	1.860	13.0	18.1
8 9	18 53.24	−25 13.4	0.939	1.865	18.0	18.5
508483	2016 PW_{61}		7 8.7	145.°28	1.°0/ 9.1	17
5 31	19 39.73	−16 31.4	2.088	2.900	14.2	21.5
6 10	19 35.29	−17 7.3	2.007	2.907	11.2	21.3
6 20	19 28.67	−17 52.6	1.948	2.912	7.7	21.1
6 30	19 20.39	−18 45.0	1.914	2.918	3.9	20.9
7 10	19 11.25	−19 40.9	1.907	2.923	1.0	20.7
7 20	19 2.16	−20 36.9	1.929	2.928	4.5	21.0
7 30	18 54.06	−21 29.8	1.979	2.933	8.3	21.2
8 9	18 47.75	−22 17.6	2.052	2.937	11.6	21.4
474436	2003 GF_{53}		7 8.7	351.°70	32.°7/31.0	16
5 31	19 13.14	+27 6.0	0.936	1.667	32.7	19.1
6 10	19 16.42	+31 38.3	0.899	1.641	33.1	19.0
6 20	19 16.94	+35 26.7	0.870	1.619	33.7	18.9
6 30	19 15.14	+38 16.2	0.849	1.601	34.1	18.9
7 10	19 12.00	+39 56.9	0.833	1.587	34.5	18.8
7 20	19 8.81	+40 22.9	0.821	1.577	34.7	18.8
7 30	19 7.09	+39 32.8	0.813	1.573	34.7	18.8
8 9	19 8.16	+37 30.9	0.810	1.572	34.4	18.8
202292	2005 CY_{24}		7 8.7	185.°70	1.°8/ 9.2	18
5 31	19 40.20	−17 12.1	2.371	3.176	12.9	21.4
6 10	19 35.34	−16 59.4	2.282	3.176	10.2	21.3
6 20	19 28.53	−16 51.7	2.215	3.176	7.1	21.1
6 30	19 20.28	−16 48.6	2.173	3.175	3.8	20.9
7 10	19 11.29	−16 49.1	2.160	3.173	1.8	20.7
7 20	19 2.38	−16 52.3	2.175	3.171	4.4	20.9
7 30	18 54.37	−16 57.3	2.217	3.169	7.7	21.1
8 9	18 47.94	−17 3.4	2.285	3.166	10.7	21.3
188963	2007 GQ_{13}		7 8.7	311.°21	10.°0/ 5.2	18
5 31	19 42.41	−40 29.0	1.475	2.314	17.7	19.5
6 10	19 39.66	−41 56.3	1.389	2.291	15.0	19.2
6 20	19 33.03	−43 19.1	1.321	2.268	12.3	19.0
6 30	19 23.00	−44 26.9	1.275	2.245	10.3	18.8
7 10	19 10.84	−45 9.5	1.251	2.223	10.3	18.8
7 20	18 58.40	−45 20.3	1.249	2.201	12.3	18.8
7 30	18 47.78	−44 59.0	1.269	2.180	15.5	19.0
8 9	18 40.59	−44 10.9	1.307	2.159	18.8	19.1
335533	2006 AH_{83}		7 8.7	75.°55	3.°8/ 8.3	18
5 31	19 47.82	−33 1.7	1.748	2.573	16.0	19.7
6 10	19 41.92	−33 4.8	1.689	2.593	12.7	19.6
6 20	19 33.18	−33 2.2	1.650	2.613	9.0	19.4
6 30	19 22.47	−32 49.7	1.635	2.633	5.4	19.2
7 10	19 11.00	−32 24.7	1.646	2.653	3.9	19.2
7 20	19 0.11	−31 47.0	1.685	2.673	6.4	19.4
7 30	18 50.98	−30 59.3	1.749	2.692	9.9	19.6
8 9	18 44.43	−30 5.5	1.836	2.712	13.2	19.9
310656	2002 EO_1		7 8.7	145.°04	9.°5/14.6	16
5 31	19 35.46	+13 4.7	2.914	3.570	13.8	21.3
6 10	19 31.23	+13 47.1	2.839	3.578	12.5	21.2
6 20	19 25.55	+14 11.8	2.782	3.586	11.3	21.1
6 30	19 18.80	+14 15.9	2.745	3.594	10.2	21.0
7 10	19 11.53	+13 58.1	2.731	3.601	9.6	21.0
7 20	19 4.33	+13 18.8	2.740	3.608	9.6	21.0
7 30	18 57.81	+12 20.2	2.773	3.614	10.3	21.1
8 9	18 52.47	+11 6.2	2.828	3.621	11.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
273239	2006 KG_{26}		7 8.7	209.°39	0.°5/ 8.9	18
	h m	° ′			°	m
5 31	19 35.25	−18 11.8	2.829	3.637	11.0	20.4
6 10	19 31.27	−18 41.3	2.737	3.636	8.6	20.3
6 20	19 25.70	−19 16.7	2.669	3.634	5.9	20.1
6 30	19 18.92	−19 56.4	2.627	3.631	2.9	19.9
7 10	19 11.51	−20 38.1	2.613	3.629	0.6	19.7
7 20	19 4.10	−21 19.6	2.629	3.627	3.5	19.9
7 30	18 57.34	−21 59.0	2.672	3.625	6.5	20.1
8 9	18 51.84	−22 34.9	2.742	3.622	9.2	20.3
161277	2003 FR_{117}		7 8.7	24.°86	0.°3/ 8.8	18
5 31	19 36.54	−19 35.0	1.913	2.743	14.6	19.5
6 10	19 33.01	−19 59.6	1.837	2.748	11.5	19.3
6 20	19 27.24	−20 31.3	1.782	2.752	7.8	19.1
6 30	19 19.76	−21 7.6	1.751	2.757	3.7	18.9
7 10	19 11.41	−21 45.5	1.746	2.763	0.6	18.6
7 20	19 3.17	−22 21.9	1.769	2.768	4.7	19.0
7 30	18 56.00	−22 54.5	1.817	2.774	8.6	19.2
8 9	18 50.72	−23 22.2	1.889	2.781	12.1	19.4
523148	2016 SM_{55}		7 8.7	141.°73	6.°3/ 6.0	18
5 31	19 43.24	−41 9.0	2.590	3.390	12.1	21.6
6 10	19 38.11	−42 11.1	2.519	3.396	10.0	21.5
6 20	19 30.63	−43 6.9	2.469	3.401	8.0	21.4
6 30	19 21.36	−43 50.8	2.445	3.406	6.6	21.3
7 10	19 11.18	−44 18.7	2.448	3.411	6.4	21.3
7 20	19 1.11	−44 28.5	2.477	3.416	7.6	21.4
7 30	18 52.18	−44 20.4	2.531	3.421	9.5	21.5
8 9	18 45.21	−43 57.3	2.608	3.425	11.5	21.7
170751	2004 BC_{163}		7 8.7	211.°56	0.°8/ 8.9	18
5 31	19 38.24	−18 58.1	2.110	2.929	13.8	20.6
6 10	19 34.15	−19 7.2	2.024	2.928	10.9	20.4
6 20	19 27.92	−19 22.3	1.959	2.927	7.5	20.2
6 30	19 20.07	−19 42.0	1.920	2.925	3.7	20.0
7 10	19 11.37	−20 3.9	1.907	2.923	0.9	19.8
7 20	19 2.72	−20 26.1	1.922	2.921	4.5	20.0
7 30	18 55.05	−20 47.0	1.964	2.919	8.2	20.3
8 9	18 49.13	−21 5.4	2.030	2.917	11.5	20.5
427637	2003 UL_{229}		7 8.7	277.°58	1.°6/ 8.9	17
5 31	19 41.41	−19 23.8	1.556	2.391	17.2	21.7
6 10	19 37.67	−19 8.0	1.459	2.371	13.8	21.4
6 20	19 30.95	−18 57.8	1.381	2.351	9.6	21.1
6 30	19 21.76	−18 52.3	1.326	2.331	4.9	20.8
7 10	19 11.11	−18 50.1	1.295	2.311	1.6	20.5
7 20	19 0.28	−18 49.5	1.290	2.290	6.0	20.7
7 30	18 50.71	−18 49.8	1.310	2.270	11.0	21.0
8 9	18 43.57	−18 50.5	1.351	2.249	15.5	21.2
343494	2010 EA_{102}		7 8.7	254.°03	1.°5/ 8.4	18
5 31	19 40.83	−25 48.5	1.895	2.725	14.7	21.2
6 10	19 36.50	−25 58.8	1.813	2.724	11.6	21.0
6 20	19 29.68	−26 10.4	1.753	2.723	7.9	20.8
6 30	19 20.94	−26 20.2	1.716	2.722	3.9	20.5
7 10	19 11.25	−26 25.5	1.707	2.721	1.7	20.3
7 20	19 1.69	−26 24.4	1.724	2.720	5.2	20.6
7 30	18 53.36	−26 16.7	1.767	2.720	9.2	20.8
8 9	18 47.14	−26 3.4	1.833	2.719	12.7	21.0
388661	2007 TS_{327}		7 8.7	318.°32	6.°3/ 6.9	18
5 31	19 40.79	−35 32.6	1.684	2.521	15.9	20.5
6 10	19 37.35	−36 21.7	1.598	2.507	13.0	20.3
6 20	19 30.77	−37 7.3	1.533	2.493	9.8	20.1
6 30	19 21.66	−37 42.4	1.491	2.479	7.1	19.9
7 10	19 11.13	−38 1.0	1.473	2.466	6.5	19.8
7 20	19 0.60	−37 59.4	1.479	2.454	8.7	19.9
7 30	18 51.56	−37 37.8	1.509	2.441	12.0	20.1
8 9	18 45.19	−36 59.9	1.560	2.430	15.4	20.2
522977	2016 PS_{117}		7 8.7	279.°52	2.°0/ 8.3	16
5 31	19 41.05	−27 0.3	1.841	2.674	15.0	21.9
6 10	19 36.87	−27 13.1	1.754	2.666	11.8	21.7
6 20	19 30.04	−27 26.4	1.688	2.659	8.2	21.4
6 30	19 21.17	−27 37.0	1.646	2.651	4.2	21.2
7 10	19 11.22	−27 41.6	1.630	2.644	2.2	21.0
7 20	19 1.33	−27 38.2	1.641	2.637	5.6	21.2
7 30	18 52.69	−27 26.6	1.677	2.629	9.6	21.5
8 9	18 46.26	−27 8.3	1.737	2.622	13.3	21.7
69250	1981 EK_{32}		7 8.7	350.°89	3.°3/ 9.3	17
5 31	19 40.63	−16 31.0	1.386	2.225	18.7	19.7
6 10	19 37.01	−15 57.6	1.311	2.224	15.0	19.5
6 20	19 30.37	−15 32.3	1.255	2.223	10.6	19.2
6 30	19 21.38	−15 15.5	1.220	2.222	6.0	18.9
7 10	19 11.19	−15 7.0	1.210	2.222	3.3	18.8
7 20	19 1.14	−15 5.8	1.223	2.221	6.6	19.0
7 30	18 52.63	−15 10.7	1.261	2.221	11.3	19.2
8 9	18 46.70	−15 20.0	1.319	2.221	15.5	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
291658	2006 HR_{61}		7 8.7	56.°44	2.°2/ 8.1	17
	h m	° ′			°	m
5 31	19 40.41	−25 56.0	1.702	2.540	15.8	21.0
6 10	19 36.38	−26 30.3	1.635	2.550	12.4	20.8
6 20	19 29.68	−27 7.1	1.588	2.560	8.4	20.6
6 30	19 20.96	−27 42.3	1.565	2.571	4.3	20.4
7 10	19 11.27	−28 11.3	1.568	2.581	2.4	20.3
7 20	19 1.81	−28 31.4	1.597	2.592	5.8	20.5
7 30	18 53.75	−28 41.5	1.652	2.603	9.8	20.8
8 9	18 47.99	−28 42.5	1.729	2.615	13.3	21.0
169062	2001 FN_{137}		7 8.7	108.°99	1.°8/ 8.1	17
5 31	19 43.92	−23 56.3	1.672	2.503	16.3	20.1
6 10	19 39.13	−24 40.5	1.606	2.517	12.8	19.9
6 20	19 31.55	−25 29.7	1.560	2.531	8.7	19.7
6 30	19 21.85	−26 18.8	1.539	2.545	4.3	19.4
7 10	19 11.14	−27 3.0	1.544	2.559	2.0	19.3
7 20	19 0.66	−27 38.3	1.576	2.572	5.8	19.6
7 30	18 51.65	−28 3.1	1.634	2.584	9.9	19.9
8 9	18 45.06	−28 17.9	1.714	2.597	13.6	20.1
9137	Remo		7 8.7	147.°58	2.°0/ 9.3	18
5 31	19 42.51	−16 18.6	1.873	2.687	15.5	18.5
6 10	19 37.61	−16 18.2	1.796	2.695	12.3	18.3
6 20	19 30.32	−16 25.9	1.740	2.703	8.6	18.1
6 30	19 21.22	−16 40.8	1.709	2.711	4.6	17.8
7 10	19 11.23	−17 0.6	1.704	2.718	2.0	17.7
7 20	19 1.40	−17 23.5	1.726	2.724	5.1	17.9
7 30	18 52.76	−17 47.3	1.775	2.730	9.0	18.1
8 9	18 46.16	−18 10.5	1.848	2.735	12.5	18.4
206941	2004 RG_{99}		7 8.7	179.°25	2.°4/ 8.3	17
5 31	19 46.08	−27 11.3	1.557	2.392	17.2	20.9
6 10	19 41.22	−27 26.8	1.480	2.393	13.6	20.6
6 20	19 33.20	−27 43.1	1.423	2.393	9.4	20.4
6 30	19 22.73	−27 55.6	1.389	2.394	4.8	20.1
7 10	19 11.01	−28 0.3	1.380	2.394	2.5	20.0
7 20	18 59.48	−27 54.7	1.398	2.393	6.4	20.2
7 30	18 49.59	−27 39.3	1.440	2.392	10.9	20.5
8 9	18 42.43	−27 16.4	1.505	2.391	14.9	20.7
16859	1997 YJ_{10}		7 8.7	168.°92	2.°0/ 7.9	18
5 31	19 42.11	−24 52.5	2.060	2.882	14.0	18.2
6 10	19 37.38	−25 42.3	1.979	2.885	11.0	18.0
6 20	19 30.24	−26 36.3	1.919	2.888	7.5	17.8
6 30	19 21.24	−27 30.1	1.886	2.890	3.8	17.5
7 10	19 11.24	−28 19.2	1.879	2.892	2.2	17.4
7 20	19 1.26	−29 0.0	1.901	2.894	5.3	17.6
7 30	18 52.39	−29 30.6	1.949	2.894	9.0	17.9
8 9	18 45.49	−29 51.0	2.022	2.895	12.2	18.1
131217	2001 DW_{67}		7 8.7	202.°97	5.°2/10.9	18
5 31	19 38.02	− 5 46.0	2.304	3.080	14.1	20.5
6 10	19 33.73	− 5 37.2	2.212	3.076	11.7	20.3
6 20	19 27.54	− 5 41.6	2.140	3.072	9.1	20.1
6 30	19 19.89	− 6 0.0	2.093	3.068	6.5	19.9
7 10	19 11.45	− 6 32.2	2.072	3.063	5.2	19.8
7 20	19 3.00	− 7 16.4	2.078	3.057	6.2	19.9
7 30	18 55.35	− 8 9.8	2.111	3.051	8.7	20.0
8 9	18 49.21	− 9 8.9	2.169	3.045	11.4	20.2
435792	2008 UO_{358}		7 8.7	270.°83	3.°5/ 9.7	16
5 31	19 37.90	−13 2.1	1.890	2.704	15.4	21.1
6 10	19 34.13	−12 47.2	1.801	2.697	12.4	20.9
6 20	19 28.07	−12 42.2	1.731	2.689	9.0	20.6
6 30	19 20.23	−12 47.3	1.686	2.682	5.5	20.4
7 10	19 11.41	−13 1.9	1.666	2.674	3.5	20.3
7 20	19 2.58	−13 24.3	1.673	2.667	5.7	20.4
7 30	18 54.77	−13 52.5	1.705	2.659	9.3	20.6
8 9	18 48.83	−14 24.0	1.761	2.652	12.8	20.8
96118	1087 $T\text{-}_3$		7 8.7	39.°75	2.°9/ 8.4	18
5 31	19 44.01	−28 35.0	1.139	2.000	20.5	18.4
6 10	19 40.33	−28 35.6	1.083	2.010	16.1	18.2
6 20	19 32.88	−28 34.4	1.044	2.021	11.1	17.9
6 30	19 22.60	−28 26.8	1.026	2.033	5.8	17.7
7 10	19 11.10	−28 8.8	1.031	2.045	3.0	17.5
7 20	19 0.18	−27 39.6	1.059	2.057	7.3	17.8
7 30	18 51.50	−27 1.6	1.109	2.071	12.3	18.1
8 9	18 46.14	−26 18.6	1.179	2.084	16.8	18.4
374299	2005 SC_{79}		7 8.7	277.°91	2.°1/ 8.1	18
5 31	19 41.45	−25 33.7	1.729	2.564	15.7	21.9
6 10	19 37.62	−26 2.5	1.629	2.543	12.5	21.6
6 20	19 30.90	−26 35.3	1.550	2.521	8.7	21.4
6 30	19 21.77	−27 8.2	1.494	2.499	4.4	21.1
7 10	19 11.19	−27 36.5	1.464	2.477	2.3	20.9
7 20	19 0.38	−27 56.5	1.459	2.455	6.2	21.0
7 30	18 50.74	−28 6.5	1.481	2.433	10.6	21.3
8 9	18 43.44	−28 7.0	1.524	2.410	14.8	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
287886	2003 SJ_{330}		7 8.7	8.°93	1.°3/ 8.5	17
	h m	° ′			°	m
5 31	19 35.48	−23 24.5	1.021	1.899	21.0	20.7
6 10	19 34.03	−23 41.9	0.962	1.900	16.5	20.4
6 20	19 28.90	−24 5.9	0.919	1.902	11.3	20.1
6 30	19 20.85	−24 32.3	0.897	1.906	5.4	19.8
7 10	19 11.34	−24 55.8	0.895	1.911	1.6	19.6
7 20	19 2.12	−25 12.5	0.915	1.917	7.2	19.9
7 30	18 54.93	−25 20.6	0.956	1.925	12.7	20.3
8 9	18 50.96	−25 20.6	1.015	1.934	17.6	20.6
445231	2009 HK_{82}		7 8.7	186.°14	19.°0/12.0	18
5 31	19 42.38	+11 39.8	1.301	2.034	24.8	20.7
6 10	19 38.57	+14 12.2	1.241	2.035	23.0	20.5
6 20	19 31.59	+16 17.4	1.195	2.035	21.1	20.4
6 30	19 22.08	+17 43.7	1.164	2.034	19.7	20.3
7 10	19 11.16	+18 22.9	1.151	2.033	19.0	20.2
7 20	19 0.24	+18 11.7	1.155	2.032	19.3	20.2
7 30	18 50.82	+17 13.4	1.176	2.030	20.5	20.3
8 9	18 44.09	+15 37.4	1.213	2.028	22.2	20.4
384715	2011 HU_{58}		7 8.7	23.°76	2.°4/ 9.4	17
5 31	19 36.91	−15 49.9	1.473	2.313	17.7	20.9
6 10	19 33.87	−15 50.6	1.405	2.318	14.1	20.7
6 20	19 28.11	−16 2.3	1.355	2.325	9.9	20.4
6 30	19 20.28	−16 24.0	1.328	2.331	5.3	20.2
7 10	19 11.43	−16 53.2	1.325	2.339	2.4	20.0
7 20	19 2.76	−17 26.9	1.347	2.347	5.8	20.3
7 30	18 55.48	−18 2.0	1.393	2.356	10.2	20.5
8 9	18 50.52	−18 35.9	1.461	2.365	14.2	20.8
236528	2006 HV_{12}		7 8.7	325.°66	3.°2/ 9.8	17
5 31	19 37.51	−13 5.0	1.841	2.658	15.6	20.8
6 10	19 33.85	−13 2.1	1.758	2.656	12.6	20.6
6 20	19 27.88	−13 10.2	1.695	2.655	9.1	20.4
6 30	19 20.13	−13 29.0	1.656	2.654	5.4	20.2
7 10	19 11.45	−13 57.1	1.642	2.652	3.2	20.0
7 20	19 2.81	−14 32.1	1.655	2.651	5.5	20.2
7 30	18 55.24	−15 11.3	1.694	2.650	9.2	20.4
8 9	18 49.56	−15 51.8	1.755	2.649	12.7	20.6
474856	2005 SQ_{93}		7 8.7	186.°78	5.°0/ 6.8	18
5 31	19 41.50	−36 28.6	2.476	3.289	12.2	21.3
6 10	19 36.72	−37 16.7	2.396	3.288	9.9	21.1
6 20	19 29.70	−38 0.7	2.338	3.288	7.5	21.0
6 30	19 20.96	−38 35.9	2.306	3.288	5.5	20.8
7 10	19 11.34	−38 58.4	2.300	3.287	5.1	20.8
7 20	19 1.79	−39 6.0	2.322	3.286	6.7	20.9
7 30	18 53.32	−38 58.8	2.370	3.285	9.0	21.1
8 9	18 46.71	−38 38.8	2.441	3.284	11.4	21.2
444233	2005 UW_{83}		7 8.7	293.°52	2.°1/ 9.4	18
5 31	19 36.46	−16 17.6	2.168	2.985	13.6	21.8
6 10	19 32.77	−16 8.9	2.071	2.971	10.9	21.6
6 20	19 27.04	−16 6.9	1.995	2.958	7.7	21.4
6 30	19 19.72	−16 11.1	1.944	2.945	4.2	21.2
7 10	19 11.52	−16 20.7	1.919	2.932	2.1	21.0
7 20	19 3.28	−16 34.1	1.921	2.919	4.7	21.1
7 30	18 55.91	−16 50.1	1.950	2.906	8.3	21.3
8 9	18 50.16	−17 7.3	2.003	2.893	11.6	21.5
151463	2002 GS_{121}		7 8.7	133.°69	4.°6/10.5	18
5 31	19 36.16	− 7 11.9	2.640	3.416	12.5	20.6
6 10	19 31.93	− 6 46.9	2.559	3.424	10.3	20.5
6 20	19 26.11	− 6 31.7	2.499	3.432	7.9	20.3
6 30	19 19.14	− 6 27.3	2.464	3.439	5.7	20.2
7 10	19 11.62	− 6 33.7	2.457	3.446	4.6	20.1
7 20	19 4.18	− 6 50.0	2.476	3.453	5.5	20.2
7 30	18 57.49	− 7 14.8	2.523	3.459	7.6	20.4
8 9	18 52.10	− 7 45.8	2.595	3.466	9.9	20.5
420451	2012 DH_{59}		7 8.7	169.°62	3.°8/ 7.7	17
5 31	19 45.87	−30 4.8	1.753	2.581	15.8	22.2
6 10	19 40.83	−30 43.5	1.677	2.584	12.6	22.0
6 20	19 32.84	−31 21.8	1.621	2.587	8.8	21.8
6 30	19 22.57	−31 54.1	1.589	2.589	5.2	21.6
7 10	19 11.12	−32 15.4	1.584	2.591	4.0	21.5
7 20	18 59.83	−32 22.7	1.604	2.592	6.8	21.7
7 30	18 50.04	−32 15.9	1.651	2.592	10.5	21.9
8 9	18 42.77	−31 57.8	1.720	2.592	14.0	22.1
280071	2002 CX_{215}		7 8.8	184.°57	0.°4/ 8.9	18
5 31	19 40.45	−19 31.0	2.057	2.875	14.2	21.2
6 10	19 35.97	−19 49.3	1.972	2.875	11.2	21.0
6 20	19 29.24	−20 14.1	1.908	2.875	7.6	20.7
6 30	19 20.77	−20 43.0	1.869	2.875	3.7	20.5
7 10	19 11.40	−21 13.5	1.858	2.874	0.6	20.3
7 20	19 2.06	−21 42.9	1.874	2.873	4.6	20.6
7 30	18 53.76	−22 9.2	1.917	2.871	8.5	20.8
8 9	18 47.30	−22 31.5	1.984	2.869	11.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519164	2010 NR_{105}		7 8.8	14.°92	5.°6/11.5	15
	h m	° ′			°	m
5 31	19 32.77	− 5 35.7	1.515	2.332	18.4	20.1
6 10	19 30.48	− 5 56.7	1.449	2.340	15.2	19.9
6 20	19 25.75	− 6 39.2	1.400	2.349	11.5	19.7
6 30	19 19.16	− 7 43.5	1.373	2.359	7.9	19.5
7 10	19 11.64	− 9 6.4	1.369	2.371	5.6	19.4
7 20	19 4.25	−10 42.5	1.391	2.383	6.9	19.5
7 30	18 58.07	−12 24.8	1.437	2.397	10.2	19.7
8 9	18 53.96	−14 6.4	1.506	2.412	13.7	20.0
420353	2012 BG_{78}		7 8.8	169.°91	3.°0/ 8.2	17
5 31	19 45.84	−28 50.6	1.563	2.399	17.1	21.8
6 10	19 41.05	−29 4.8	1.488	2.400	13.5	21.5
6 20	19 33.11	−29 18.1	1.432	2.401	9.4	21.3
6 30	19 22.72	−29 25.8	1.399	2.402	5.1	21.1
7 10	19 11.13	−29 23.7	1.391	2.403	3.1	20.9
7 20	18 59.77	−29 10.0	1.410	2.404	6.6	21.1
7 30	18 50.09	−28 45.5	1.453	2.404	10.9	21.4
8 9	18 43.13	−28 13.1	1.518	2.404	14.8	21.6
320394	2007 UT_{69}		7 8.8	206.°71	0.°5/ 8.6	18
5 31	19 39.30	−22 32.9	2.110	2.934	13.7	21.3
6 10	19 35.06	−22 49.6	2.025	2.932	10.7	21.1
6 20	19 28.61	−23 10.3	1.961	2.930	7.3	20.9
6 30	19 20.47	−23 32.4	1.922	2.929	3.5	20.7
7 10	19 11.46	−23 53.4	1.911	2.927	0.8	20.5
7 20	19 2.50	−24 10.9	1.926	2.925	4.6	20.8
7 30	18 54.56	−24 23.8	1.969	2.922	8.3	21.0
8 9	18 48.44	−24 31.8	2.036	2.920	11.7	21.2
308621	2005 WV_{193}		7 8.8	248.°60	1.°3/ 9.2	17
5 31	19 39.79	−17 36.4	1.870	2.692	15.2	21.2
6 10	19 35.79	−17 48.5	1.777	2.682	12.1	20.9
6 20	19 29.33	−18 8.9	1.705	2.672	8.4	20.7
6 30	19 20.92	−18 36.3	1.657	2.661	4.3	20.4
7 10	19 11.40	−19 8.0	1.635	2.650	1.3	20.2
7 20	19 1.81	−19 41.3	1.640	2.639	5.1	20.4
7 30	18 53.26	−20 13.6	1.671	2.628	9.3	20.6
8 9	18 46.69	−20 43.3	1.725	2.616	13.1	20.8
472051	2013 YY_{49}		7 8.8	311.°98	0.°4/ 8.7	18
5 31	19 43.12	−26 3.3	1.604	2.441	16.6	20.4
6 10	19 38.86	−25 26.7	1.512	2.427	13.2	20.1
6 20	19 31.62	−24 47.4	1.441	2.413	9.1	19.8
6 30	19 22.05	−24 3.4	1.393	2.400	4.4	19.5
7 10	19 11.25	−23 14.1	1.371	2.387	0.8	19.2
7 20	19 0.56	−22 20.1	1.375	2.375	5.7	19.5
7 30	18 51.34	−21 24.1	1.404	2.362	10.5	19.8
8 9	18 44.63	−20 28.9	1.455	2.351	14.8	20.0
186479	2002 TO_{78}		7 8.8	273.°77	4.°3/ 7.3	18
5 31	19 42.10	−28 56.9	1.616	2.456	16.4	20.2
6 10	19 38.41	−29 55.3	1.529	2.443	13.1	19.9
6 20	19 31.59	−30 57.2	1.461	2.431	9.3	19.7
6 30	19 22.17	−31 56.1	1.417	2.418	5.6	19.4
7 10	19 11.22	−32 45.2	1.398	2.405	4.5	19.3
7 20	19 0.11	−33 19.4	1.405	2.392	7.6	19.5
7 30	18 50.38	−33 36.6	1.436	2.379	11.7	19.7
8 9	18 43.27	−33 38.3	1.488	2.366	15.5	19.9
418041	2007 VL_{75}		7 8.8	26.°36	3.°3/ 7.8	17
5 31	19 40.83	−26 6.1	1.263	2.120	19.0	20.8
6 10	19 37.78	−26 56.4	1.197	2.123	15.0	20.6
6 20	19 31.26	−27 51.9	1.151	2.127	10.4	20.3
6 30	19 21.98	−28 46.0	1.126	2.131	5.5	20.0
7 10	19 11.27	−29 31.6	1.124	2.136	3.5	19.9
7 20	19 0.74	−30 3.6	1.146	2.141	7.5	20.2
7 30	18 52.06	−30 20.3	1.191	2.147	12.3	20.5
8 9	18 46.40	−30 23.2	1.256	2.153	16.5	20.7
278751	2008 SH_{106}		7 8.8	12.°46	4.°3/ 9.8	17
5 31	19 34.07	−14 2.9	1.226	2.080	19.7	19.7
6 10	19 32.08	−13 34.6	1.164	2.084	15.9	19.5
6 20	19 27.12	−13 19.0	1.120	2.089	11.4	19.2
6 30	19 19.90	−13 17.2	1.096	2.096	6.9	19.0
7 10	19 11.58	−13 28.4	1.094	2.105	4.3	18.9
7 20	19 3.51	−13 50.3	1.116	2.114	7.0	19.1
7 30	18 57.01	−14 19.7	1.159	2.125	11.4	19.4
8 9	18 53.06	−14 52.9	1.223	2.137	15.6	19.6
12146	Ostriker		7 8.8	348.°13	9.°5/ 6.9	18
5 31	19 40.21	−40 28.1	1.325	2.174	18.8	17.4
6 10	19 37.88	−41 27.3	1.256	2.165	15.7	17.1
6 20	19 31.66	−42 17.1	1.204	2.157	12.6	16.9
6 30	19 22.27	−42 48.1	1.173	2.150	10.1	16.8
7 10	19 11.23	−42 52.3	1.163	2.144	9.6	16.7
7 20	19 0.43	−42 26.3	1.175	2.139	11.5	16.8
7 30	18 51.76	−41 32.6	1.208	2.136	14.7	17.0
8 9	18 46.53	−40 18.4	1.259	2.134	18.0	17.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
440588	2005 UV_{511}		7 8.8	337.°22	3.°6/ 9.5	18
	h m	° ′			°	m
5 31	19 37.06	−13 47.0	2.130	2.940	14.0	20.9
6 10	19 33.14	−13 8.2	2.043	2.936	11.3	20.7
6 20	19 27.22	−12 36.0	1.977	2.933	8.2	20.5
6 30	19 19.79	−12 11.3	1.936	2.930	5.2	20.3
7 10	19 11.60	−11 54.6	1.921	2.927	3.6	20.2
7 20	19 3.49	−11 45.7	1.933	2.924	5.4	20.3
7 30	18 56.31	−11 44.0	1.972	2.922	8.6	20.5
8 9	18 50.77	−11 48.1	2.034	2.920	11.6	20.7
123254	2000 UT_{70}		7 8.8	275.°55	2.°9/ 7.9	18
5 31	19 42.04	−28 5.2	1.885	2.715	14.8	20.1
6 10	19 37.90	−28 35.4	1.783	2.693	11.8	19.8
6 20	19 31.00	−29 7.2	1.702	2.671	8.3	19.6
6 30	19 21.83	−29 36.4	1.645	2.648	4.6	19.3
7 10	19 11.29	−29 58.4	1.615	2.625	3.0	19.1
7 20	19 0.56	−30 10.0	1.611	2.602	6.2	19.3
7 30	18 50.95	−30 9.9	1.632	2.579	10.2	19.5
8 9	18 43.56	−29 59.5	1.677	2.555	14.0	19.7
196996	2003 UZ_{88}		7 8.8	282.°25	2.°5/ 7.6	18
5 31	19 39.64	−24 9.7	1.904	2.735	14.6	20.0
6 10	19 35.92	−25 18.2	1.809	2.721	11.6	19.8
6 20	19 29.61	−26 34.5	1.736	2.707	8.0	19.5
6 30	19 21.15	−27 53.6	1.688	2.693	4.2	19.3
7 10	19 11.39	−29 9.6	1.667	2.679	2.7	19.1
7 20	19 1.41	−30 16.8	1.673	2.665	6.0	19.3
7 30	18 52.42	−31 11.7	1.706	2.651	10.0	19.5
8 9	18 45.49	−31 53.1	1.761	2.637	13.6	19.7
210849	2001 QD_{253}		7 8.8	318.°71	3.°8/10.2	18
5 31	19 34.83	−11 7.3	1.759	2.579	16.1	20.2
6 10	19 32.04	−11 14.2	1.664	2.563	13.1	19.9
6 20	19 26.88	−11 35.2	1.589	2.547	9.7	19.7
6 30	19 19.80	−12 10.8	1.536	2.532	6.0	19.4
7 10	19 11.59	−12 59.2	1.508	2.517	3.8	19.2
7 20	19 3.25	−13 57.4	1.506	2.502	5.9	19.3
7 30	18 55.88	−15 1.2	1.529	2.488	9.8	19.5
8 9	18 50.41	−16 6.5	1.575	2.475	13.6	19.7
429587	2011 EP_{39}		7 8.8	95.°52	0.°9/ 9.0	17
5 31	19 41.04	−18 30.3	1.803	2.627	15.6	21.5
6 10	19 36.57	−18 46.5	1.735	2.641	12.3	21.3
6 20	19 29.68	−19 10.3	1.687	2.655	8.4	21.1
6 30	19 20.99	−19 39.4	1.663	2.669	4.1	20.9
7 10	19 11.45	−20 10.8	1.666	2.682	1.0	20.7
7 20	19 2.12	−20 41.7	1.696	2.696	4.9	21.0
7 30	18 54.05	−21 10.0	1.752	2.709	8.9	21.3
8 9	18 48.05	−21 34.6	1.832	2.722	12.5	21.5
247114	2000 UA_{23}		7 8.8	280.°98	0.°8/ 8.5	18
5 31	19 41.56	−22 3.7	1.524	2.363	17.2	20.6
6 10	19 38.14	−22 27.6	1.422	2.338	13.8	20.3
6 20	19 31.56	−22 59.2	1.340	2.313	9.5	20.0
6 30	19 22.26	−23 35.6	1.280	2.287	4.6	19.6
7 10	19 11.22	−24 12.2	1.245	2.261	1.1	19.3
7 20	18 59.80	−24 44.5	1.235	2.235	6.3	19.6
7 30	18 49.58	−25 9.5	1.250	2.208	11.6	19.8
8 9	18 41.91	−25 26.6	1.286	2.181	16.3	20.0
93334	2000 SC_{235}		7 8.8	67.°56	0.°3/ 8.8	18
5 31	19 40.65	−21 10.9	1.677	2.510	16.2	19.8
6 10	19 36.56	−21 13.2	1.603	2.515	12.7	19.6
6 20	19 29.84	−21 20.7	1.550	2.521	8.7	19.4
6 30	19 21.13	−21 31.0	1.520	2.526	4.2	19.1
7 10	19 11.44	−21 41.8	1.516	2.532	0.6	18.8
7 20	19 1.95	−21 51.0	1.538	2.538	5.2	19.2
7 30	18 53.80	−21 57.5	1.585	2.543	9.6	19.5
8 9	18 47.89	−22 1.1	1.655	2.549	13.4	19.7
6830	Johnbackus		7 8.8	39.°50	1.°3/ 8.3	18
5 31	19 37.50	−23 56.3	1.993	2.825	14.0	17.2
6 10	19 33.72	−24 26.8	1.923	2.835	11.0	17.0
6 20	19 27.72	−25 0.7	1.874	2.845	7.4	16.8
6 30	19 20.06	−25 35.0	1.850	2.856	3.6	16.6
7 10	19 11.60	−26 6.2	1.852	2.867	1.5	16.4
7 20	19 3.30	−26 31.7	1.882	2.878	4.8	16.7
7 30	18 56.11	−26 50.2	1.937	2.890	8.5	16.9
8 9	18 50.81	−27 1.7	2.016	2.902	11.7	17.1
42840	1999 RU		7 8.8	300.°99	3.°1/ 9.6	18
5 31	19 37.49	−14 50.4	1.392	2.233	18.5	19.1
6 10	19 34.94	−14 45.7	1.298	2.211	15.0	18.8
6 20	19 29.34	−14 53.6	1.221	2.190	10.8	18.5
6 30	19 21.17	−15 14.3	1.166	2.169	6.1	18.2
7 10	19 11.41	−15 46.3	1.135	2.148	3.1	17.9
7 20	19 1.36	−16 26.5	1.127	2.127	6.7	18.1
7 30	18 52.54	−17 11.1	1.143	2.107	11.8	18.3
8 9	18 46.23	−17 56.5	1.179	2.087	16.5	18.5

434778 2006 KK_{87} 7 8.8 290.°91 3.°4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.27	−28 36.6	1.856	2.690	14.8	21.1
6 10	19 36.41	−29 22.5	1.772	2.683	11.7	20.9
6 20	19 29.88	−30 10.2	1.708	2.677	8.2	20.7
6 30	19 21.23	−30 54.8	1.669	2.671	4.8	20.5
7 10	19 11.43	−31 31.2	1.656	2.664	3.6	20.4
7 20	19 1.61	−31 55.8	1.669	2.658	6.4	20.5
7 30	18 53.01	−32 7.4	1.708	2.652	10.1	20.7
8 9	18 46.62	−32 7.1	1.769	2.646	13.5	20.9

429959 2012 VB_{14} 7 8.8 356.°20 4.°0/ 9.7 16

5 31	19 31.89	−14 35.3	1.215	2.075	19.5	20.2
6 10	19 30.57	−14 11.9	1.144	2.068	15.8	19.9
6 20	19 26.26	−14 0.8	1.091	2.063	11.3	19.7
6 30	19 19.58	−14 3.3	1.058	2.060	6.7	19.4
7 10	19 11.66	−14 18.3	1.046	2.058	4.0	19.2
7 20	19 3.83	−14 43.7	1.057	2.058	7.0	19.4
7 30	18 57.49	−15 16.0	1.090	2.059	11.6	19.7
8 9	18 53.72	−15 51.5	1.143	2.062	16.1	19.9

358443 2007 DF_{99} 7 8.8 342.°94 3.°2/10.1 18

5 31	19 35.39	−11 23.2	2.305	3.106	13.3	20.7
6 10	19 31.72	−11 27.6	2.218	3.105	10.8	20.6
6 20	19 26.22	−11 42.2	2.152	3.105	7.8	20.4
6 30	19 19.33	−12 6.9	2.111	3.104	4.9	20.2
7 10	19 11.71	−12 40.3	2.096	3.103	3.2	20.1
7 20	19 4.12	−13 20.4	2.109	3.102	4.8	20.2
7 30	18 57.33	−14 4.6	2.149	3.102	7.8	20.4
8 9	18 52.02	−14 50.5	2.214	3.101	10.7	20.6

371566 2006 VX_{70} 7 8.8 120.°17 0.°0/ 8.6 17

5 31	19 42.54	−20 48.8	1.769	2.595	15.8	21.2
6 10	19 37.88	−21 6.7	1.698	2.606	12.4	21.0
6 20	19 30.65	−21 30.5	1.647	2.616	8.4	20.8
6 30	19 21.50	−21 57.5	1.620	2.626	4.0	20.5
7 10	19 11.41	−22 24.4	1.620	2.636	0.6	20.3
7 20	19 1.51	−22 48.4	1.646	2.646	5.1	20.6
7 30	18 52.93	−23 7.9	1.699	2.655	9.3	20.9
8 9	18 46.55	−23 22.5	1.775	2.663	12.9	21.1

311489 2005 VY_{110} 7 8.8 217.°91 3.°7/ 7.1 18

5 31	19 39.92	−32 7.8	2.589	3.405	11.6	22.0
6 10	19 35.38	−32 55.8	2.501	3.400	9.3	21.9
6 20	19 28.78	−33 42.8	2.436	3.395	6.7	21.7
6 30	19 20.59	−34 24.7	2.397	3.390	4.4	21.5
7 10	19 11.54	−34 57.7	2.386	3.385	3.8	21.5
7 20	19 2.48	−35 19.4	2.402	3.379	5.6	21.6
7 30	18 54.31	−35 29.0	2.446	3.373	8.2	21.8
8 9	18 47.79	−35 27.5	2.513	3.367	10.8	21.9

43208 2000 AW_{98} 7 8.8 348.°92 8.°5/ 4.5 18

5 31	19 37.31	−36 51.6	1.619	2.464	16.1	16.7
6 10	19 35.01	−38 46.3	1.546	2.455	13.3	16.5
6 20	19 29.50	−40 40.2	1.493	2.446	10.6	16.3
6 30	19 21.27	−42 23.4	1.464	2.439	8.7	16.2
7 10	19 11.41	−43 46.5	1.458	2.433	8.8	16.1
7 20	19 1.39	−44 43.1	1.477	2.428	10.9	16.3
7 30	18 52.82	−45 11.3	1.517	2.423	13.7	16.4
8 9	18 47.04	−45 14.2	1.577	2.421	16.6	16.6

344770 2003 WQ_{102} 7 8.8 284.°03 5.°5/ 7.6 18

5 31	19 45.23	−36 2.9	1.934	2.755	14.8	20.6
6 10	19 40.52	−36 29.0	1.834	2.733	12.1	20.3
6 20	19 32.82	−36 49.8	1.755	2.711	9.1	20.1
6 30	19 22.71	−36 59.7	1.700	2.688	6.4	19.9
7 10	19 11.24	−36 53.6	1.670	2.666	5.6	19.8
7 20	18 59.72	−36 29.1	1.666	2.643	7.7	19.9
7 30	18 49.56	−35 47.2	1.688	2.620	11.0	20.0
8 9	18 41.86	−34 51.9	1.733	2.597	14.3	20.2

122466 2000 QM_{150} 7 8.8 290.°89 8.°3/ 6.8 18

5 31	19 46.90	−41 0.1	1.722	2.543	16.4	19.1
6 10	19 42.48	−41 49.5	1.632	2.523	13.8	18.9
6 20	19 34.52	−42 31.0	1.561	2.504	11.0	18.6
6 30	19 23.64	−42 56.3	1.513	2.485	8.8	18.5
7 10	19 11.10	−42 58.3	1.489	2.466	8.4	18.4
7 20	18 58.57	−42 33.5	1.488	2.446	10.2	18.5
7 30	18 47.77	−41 43.4	1.512	2.427	13.1	18.6
8 9	18 40.02	−40 33.7	1.556	2.408	16.3	18.7

523053 2016 QR_{90} 7 8.8 293.°55 1.°0/ 8.5 18

5 31	19 39.31	−24 10.0	1.923	2.754	14.5	21.5
6 10	19 35.59	−24 22.2	1.819	2.730	11.5	21.3
6 20	19 29.34	−24 37.6	1.735	2.706	7.9	21.0
6 30	19 21.03	−24 53.6	1.676	2.682	3.9	20.7
7 10	19 11.48	−25 7.1	1.643	2.658	1.2	20.5
7 20	19 1.76	−25 15.8	1.636	2.634	5.3	20.7
7 30	18 53.05	−25 18.4	1.655	2.610	9.5	20.9
8 9	18 46.34	−25 15.2	1.698	2.586	13.4	21.1

499386 2010 AQ_{79} 7 8.8 192.°44 2.°9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 45.70	−31 13.8	2.338	3.148	12.9	21.7
6 10	19 39.93	−31 25.5	2.249	3.147	10.2	21.5
6 20	19 31.85	−31 34.2	2.183	3.144	7.2	21.3
6 30	19 22.03	−31 36.6	2.143	3.141	4.2	21.1
7 10	19 11.36	−31 29.9	2.130	3.138	3.0	21.0
7 20	19 0.84	−31 12.7	2.146	3.134	5.3	21.2
7 30	18 51.46	−30 45.9	2.190	3.129	8.5	21.4
8 9	18 44.02	−30 11.7	2.259	3.124	11.4	21.5

457635 2009 BD_{148} 7 8.8 86.°71 4.°3/10.1 17

5 31	19 41.12	−11 40.7	1.423	2.248	19.0	21.0
6 10	19 37.20	−11 33.3	1.358	2.259	15.3	20.8
6 20	19 30.42	−11 40.8	1.310	2.270	11.1	20.6
6 30	19 21.47	−12 3.3	1.285	2.281	6.8	20.3
7 10	19 11.46	−12 38.6	1.283	2.292	4.3	20.2
7 20	19 1.68	−13 23.5	1.307	2.303	6.7	20.4
7 30	18 53.39	−14 13.6	1.355	2.313	10.8	20.7
8 9	18 47.56	−15 5.1	1.424	2.324	14.8	20.9

153911 2001 XL_{241} 7 8.8 13.°96 0.°6/ 8.6 18

5 31	19 39.44	−21 41.8	1.568	2.409	16.8	20.0
6 10	19 35.94	−22 8.4	1.493	2.410	13.2	19.7
6 20	19 29.64	−22 41.9	1.437	2.411	9.0	19.5
6 30	19 21.15	−23 19.0	1.405	2.412	4.3	19.2
7 10	19 11.50	−23 55.3	1.397	2.414	0.9	19.0
7 20	19 1.95	−24 27.3	1.416	2.415	5.6	19.3
7 30	18 53.77	−24 52.7	1.458	2.417	10.2	19.6
8 9	18 47.97	−25 10.8	1.524	2.420	14.2	19.8

37637 1993 UZ_5 7 8.8 107.°51 1.°3/ 9.2 17 R

5 31	19 41.08	−17 16.0	1.473	2.308	17.9	19.1
6 10	19 37.31	−17 36.2	1.400	2.312	14.2	18.9
6 20	19 30.62	−18 7.6	1.346	2.316	9.8	18.6
6 30	19 21.63	−18 47.8	1.314	2.319	5.0	18.3
7 10	19 11.44	−19 33.0	1.307	2.323	1.3	18.1
7 20	19 1.35	−20 18.8	1.325	2.326	5.8	18.4
7 30	18 52.70	−21 1.9	1.368	2.329	10.5	18.7
8 9	18 46.54	−21 39.9	1.434	2.332	14.7	18.9

150615 2000 YS_{42} 7 8.8 196.°69 0.°8/ 8.9 18

5 31	19 38.65	−20 26.4	2.532	3.343	12.0	20.4
6 10	19 34.10	−20 13.1	2.442	3.342	9.5	20.2
6 20	19 27.73	−20 2.5	2.375	3.340	6.5	20.0
6 30	19 20.04	−19 53.8	2.334	3.339	3.2	19.8
7 10	19 11.68	−19 46.2	2.321	3.337	0.9	19.6
7 20	19 3.40	−19 38.8	2.337	3.335	3.9	19.8
7 30	18 55.98	−19 31.5	2.380	3.333	7.1	20.0
8 9	18 50.03	−19 24.1	2.449	3.331	10.0	20.2

469618 2004 QM_{28} 7 8.8 357.°76 3.°2/ 9.4 17

5 31	19 37.66	−16 8.6	1.450	2.290	17.9	21.3
6 10	19 34.60	−15 39.9	1.375	2.288	14.4	21.1
6 20	19 28.74	−15 19.7	1.319	2.287	10.2	20.9
6 30	19 20.71	−15 8.6	1.284	2.286	5.8	20.6
7 10	19 11.57	−15 5.9	1.273	2.286	3.2	20.4
7 20	19 2.56	−15 10.5	1.287	2.286	6.3	20.6
7 30	18 54.94	−15 20.8	1.325	2.287	10.7	20.9
8 9	18 49.70	−15 34.9	1.384	2.288	14.8	21.1

480518 2015 MJ_7 7 8.8 46.°28 1.°7/ 9.1 17

5 31	19 39.31	−19 1.9	2.041	2.861	14.2	21.1
6 10	19 34.97	−18 35.2	1.962	2.865	11.2	20.9
6 20	19 28.49	−18 12.5	1.904	2.870	7.8	20.7
6 30	19 20.43	−17 53.4	1.871	2.874	4.1	20.5
7 10	19 11.63	−17 37.3	1.864	2.879	1.7	20.4
7 20	19 2.99	−17 24.0	1.885	2.883	4.7	20.6
7 30	18 55.43	−17 13.1	1.933	2.888	8.3	20.8
8 9	18 49.69	−17 4.4	2.004	2.893	11.6	21.0

135933 2002 TA_{186} 7 8.8 282.°68 0.°4/ 8.7 18

5 31	19 39.77	−23 23.7	1.969	2.796	14.3	19.5
6 10	19 35.65	−23 24.5	1.880	2.790	11.3	19.3
6 20	19 29.15	−23 27.9	1.813	2.783	7.7	19.1
6 30	19 20.84	−23 31.6	1.770	2.776	3.7	18.8
7 10	19 11.56	−23 33.6	1.754	2.770	0.7	18.6
7 20	19 2.34	−23 32.4	1.764	2.763	4.8	18.9
7 30	18 54.22	−23 27.4	1.801	2.757	8.8	19.1
8 9	18 48.06	−23 19.0	1.862	2.750	12.4	19.3

40283 1999 JO_{50} 7 8.8 318.°05 10.°9/10.0 18

5 31	19 34.93	− 2 17.4	1.488	2.289	19.4	17.5
6 10	19 32.55	− 0 46.0	1.396	2.267	16.9	17.3
6 20	19 27.49	+ 0 31.2	1.322	2.245	14.2	17.1
6 30	19 20.23	+ 1 27.5	1.268	2.224	11.9	16.9
7 10	19 11.63	+ 1 57.8	1.236	2.203	10.9	16.8
7 20	19 2.83	+ 1 59.4	1.225	2.183	11.9	16.8
7 30	18 55.09	+ 1 33.2	1.236	2.163	14.5	16.9
8 9	18 49.53	+ 0 44.2	1.265	2.145	17.6	17.0

288120 2003 WL_{68} 7 8.8 286.°44 3.°2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.30	−26 25.6	1.485	2.330	17.3	20.9
6 10	19 38.07	−27 10.5	1.393	2.312	13.8	20.6
6 20	19 31.57	−28 0.9	1.320	2.293	9.6	20.3
6 30	19 22.31	−28 51.4	1.270	2.275	5.2	20.0
7 10	19 11.34	−29 35.6	1.244	2.256	3.4	19.9
7 20	19 0.12	−30 8.0	1.243	2.237	7.3	20.1
7 30	18 50.28	−30 26.2	1.266	2.219	12.0	20.3
8 9	18 43.17	−30 31.0	1.310	2.200	16.4	20.5

184239 2004 RE_{227} 7 8.8 350.°25 1.°2/ 9.1 18

5 31	19 35.81	−19 34.7	1.851	2.684	14.9	19.4
6 10	19 32.62	−19 22.6	1.767	2.679	11.8	19.2
6 20	19 27.12	−19 15.6	1.704	2.674	8.1	19.0
6 30	19 19.87	−19 12.7	1.665	2.670	4.1	18.7
7 10	19 11.72	−19 12.6	1.651	2.667	1.3	18.5
7 20	19 3.65	−19 14.1	1.664	2.664	4.9	18.7
7 30	18 56.66	−19 16.3	1.702	2.662	8.9	19.0
8 9	18 51.59	−19 18.5	1.763	2.661	12.5	19.2

235895 2005 CR_{63} 7 8.8 120.°11 2.°0/ 9.4 18

5 31	19 39.75	−15 51.3	2.160	2.969	13.9	21.3
6 10	19 35.16	−15 50.6	2.085	2.981	11.0	21.2
6 20	19 28.55	−15 57.2	2.031	2.992	7.7	21.0
6 30	19 20.45	−16 10.3	2.002	3.003	4.2	20.8
7 10	19 11.65	−16 28.3	2.001	3.014	2.0	20.6
7 20	19 3.00	−16 49.4	2.027	3.024	4.5	20.8
7 30	18 55.35	−17 11.9	2.081	3.034	7.9	21.1
8 9	18 49.41	−17 34.4	2.159	3.044	11.0	21.3

106195 2000 UM_{15} 7 8.8 238.°43 3.°7/ 7.2 18

5 31	19 39.81	−31 10.5	2.387	3.207	12.4	19.9
6 10	19 35.47	−31 59.2	2.299	3.202	9.8	19.7
6 20	19 28.96	−32 47.5	2.235	3.197	7.0	19.5
6 30	19 20.74	−33 31.0	2.196	3.192	4.5	19.3
7 10	19 11.60	−34 5.9	2.185	3.186	3.8	19.3
7 20	19 2.45	−34 29.3	2.201	3.181	5.8	19.4
7 30	18 54.26	−34 40.4	2.243	3.175	8.6	19.6
8 9	18 47.82	−34 40.0	2.310	3.170	11.4	19.7

182795 2002 AX_{47} 7 8.8 171.°50 0.°0/ 8.7 18

5 31	19 38.45	−21 30.1	2.647	3.458	11.5	21.9
6 10	19 33.89	−21 39.4	2.560	3.460	9.1	21.7
6 20	19 27.58	−21 51.9	2.496	3.462	6.1	21.6
6 30	19 19.98	−22 5.9	2.458	3.464	2.9	21.4
7 10	19 11.72	−22 19.7	2.449	3.465	0.4	21.1
7 20	19 3.53	−22 31.8	2.468	3.466	3.7	21.4
7 30	18 56.14	−22 41.4	2.515	3.467	6.9	21.6
8 9	18 50.19	−22 48.1	2.588	3.467	9.7	21.8

441957 2010 LD_{100} 7 8.8 307.°88 7.°3/10.7 15

5 31	19 34.74	− 3 57.2	1.990	2.776	15.7	21.7
6 10	19 31.73	− 3 16.2	1.884	2.750	13.4	21.4
6 20	19 26.58	− 2 48.7	1.797	2.723	10.8	21.2
6 30	19 19.69	− 2 37.9	1.732	2.697	8.5	21.0
7 10	19 11.75	− 2 45.5	1.691	2.671	7.3	20.9
7 20	19 3.62	− 3 11.6	1.675	2.645	8.3	20.9
7 30	18 56.26	− 3 54.3	1.684	2.620	10.8	21.0
8 9	18 50.53	− 4 49.8	1.715	2.594	13.7	21.1

147122 2002 TZ_{122} 7 8.8 264.°46 5.°6/ 9.7 18

5 31	19 40.38	−11 6.3	1.649	2.463	17.3	20.0
6 10	19 36.47	−10 15.3	1.561	2.453	14.2	19.7
6 20	19 29.93	− 9 34.0	1.492	2.443	10.7	19.5
6 30	19 21.31	− 9 4.6	1.445	2.433	7.3	19.3
7 10	19 11.53	− 8 48.7	1.423	2.423	5.6	19.1
7 20	19 1.73	− 8 46.4	1.426	2.413	7.5	19.2
7 30	18 53.11	− 8 56.6	1.454	2.403	11.1	19.4
8 9	18 46.63	− 9 16.6	1.504	2.392	14.8	19.6

315215 2007 RL_{97} 7 8.8 315.°46 3.°4/ 9.6 18

5 31	19 35.61	−14 37.7	1.196	2.050	20.1	19.5
6 10	19 33.90	−14 33.2	1.109	2.031	16.3	19.2
6 20	19 28.90	−14 43.4	1.040	2.012	11.8	18.9
6 30	19 21.09	−15 8.9	0.990	1.994	6.7	18.6
7 10	19 11.54	−15 47.9	0.963	1.976	3.4	18.3
7 20	19 1.73	−16 36.5	0.958	1.959	7.2	18.5
7 30	18 53.33	−17 30.0	0.974	1.943	12.7	18.7
8 9	18 47.76	−18 23.6	1.010	1.928	17.8	19.0

442060 2010 RS_{111} 7 8.8 115.°23 4.°3/ 7.3 18

5 31	19 40.92	−34 12.6	2.372	3.190	12.5	21.0
6 10	19 36.30	−34 50.5	2.294	3.193	10.0	20.9
6 20	19 29.45	−35 25.0	2.239	3.196	7.3	20.7
6 30	19 20.94	−35 51.9	2.209	3.198	5.0	20.6
7 10	19 11.60	−36 7.8	2.205	3.201	4.4	20.5
7 20	19 2.39	−36 10.6	2.229	3.204	6.1	20.6
7 30	18 54.27	−36 0.4	2.279	3.207	8.7	20.8
8 9	18 48.01	−35 39.3	2.353	3.210	11.3	21.0

84293 2002 TR_{32} 7 8.8 236.°89 0.°8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.09	−19 25.4	1.938	2.756	14.9	21.0
6 10	19 37.60	−19 31.6	1.840	2.743	11.8	20.7
6 20	19 30.61	−19 44.0	1.764	2.730	8.2	20.5
6 30	19 21.62	−20 0.9	1.712	2.717	4.1	20.2
7 10	19 11.50	−20 20.0	1.686	2.702	0.9	19.9
7 20	19 1.28	−20 39.0	1.688	2.687	5.0	20.2
7 30	18 52.10	−20 56.2	1.717	2.672	9.2	20.4
8 9	18 44.90	−21 10.8	1.770	2.656	13.0	20.6

45439 2000 AO_{177} 7 8.8 148.°47 2.°8/ 9.8 18

5 31	19 39.27	−12 49.7	2.428	3.223	12.9	19.6
6 10	19 34.57	−12 46.5	2.347	3.232	10.4	19.5
6 20	19 28.07	−12 51.7	2.287	3.240	7.5	19.3
6 30	19 20.22	−13 4.9	2.253	3.248	4.5	19.1
7 10	19 11.73	−13 24.8	2.247	3.255	2.8	19.0
7 20	19 3.33	−13 50.0	2.269	3.262	4.5	19.1
7 30	18 55.79	−14 18.7	2.319	3.269	7.5	19.3
8 9	18 49.73	−14 48.9	2.394	3.274	10.3	19.5

39410 2191 $T\text{-}_1$ 7 8.8 6.°28 5.°6/10.4 18

5 31	19 32.63	−10 55.7	1.020	1.883	22.2	18.7
6 10	19 31.58	−10 40.2	0.959	1.882	18.1	18.4
6 20	19 27.20	−10 44.9	0.914	1.883	13.4	18.2
6 30	19 20.15	−11 11.3	0.887	1.886	8.5	17.9
7 10	19 11.72	−11 57.8	0.881	1.890	5.6	17.8
7 20	19 3.45	−12 59.5	0.896	1.895	8.1	17.9
7 30	18 56.91	−14 9.5	0.931	1.902	12.8	18.2
8 9	18 53.29	−15 21.0	0.986	1.910	17.4	18.5

400473 2008 GG_{37} 7 8.8 50.°34 4.°4/10.3 15

5 31	19 36.08	− 9 43.1	2.111	2.911	14.4	21.3
6 10	19 32.30	− 9 21.1	2.039	2.923	11.7	21.1
6 20	19 26.62	− 9 10.0	1.988	2.935	8.8	20.9
6 30	19 19.55	− 9 10.4	1.960	2.946	5.9	20.8
7 10	19 11.82	− 9 22.1	1.959	2.959	4.4	20.7
7 20	19 4.25	− 9 43.5	1.984	2.971	5.7	20.8
7 30	18 57.62	−10 12.6	2.035	2.983	8.4	21.0
8 9	18 52.59	−10 46.8	2.110	2.996	11.3	21.2

435383 2007 XN_{34} 7 8.8 330.°48 4.°1/ 9.1 18

5 31	19 38.68	−16 25.7	1.614	2.445	16.8	19.7
6 10	19 35.21	−15 21.3	1.525	2.433	13.6	19.4
6 20	19 29.10	−14 20.6	1.456	2.420	9.8	19.2
6 30	19 20.91	−13 25.5	1.410	2.409	6.0	18.9
7 10	19 11.63	−12 38.0	1.389	2.398	4.1	18.8
7 20	19 2.37	−11 59.5	1.394	2.387	6.7	18.9
7 30	18 54.36	−11 31.0	1.423	2.378	10.7	19.1
8 9	18 48.53	−11 12.1	1.473	2.369	14.6	19.3

300051 2006 UU_{169} 7 8.8 190.°28 0.°9/ 9.1 18

5 31	19 37.91	−18 18.9	2.307	3.121	12.9	21.5
6 10	19 33.76	−18 29.1	2.220	3.121	10.2	21.4
6 20	19 27.66	−18 45.2	2.155	3.120	7.0	21.2
6 30	19 20.09	−19 6.0	2.115	3.119	3.5	20.9
7 10	19 11.75	−19 29.4	2.103	3.119	1.0	20.7
7 20	19 3.45	−19 53.4	2.118	3.117	4.2	21.0
7 30	18 56.02	−20 16.6	2.161	3.116	7.6	21.2
8 9	18 50.18	−20 37.7	2.229	3.115	10.7	21.4

339387 2005 BP_8 7 8.8 224.°28 1.°4/ 8.3 18

5 31	19 40.76	−24 5.3	2.179	2.999	13.4	21.0
6 10	19 36.32	−24 39.8	2.086	2.992	10.5	20.7
6 20	19 29.61	−25 18.3	2.015	2.984	7.2	20.5
6 30	19 21.11	−25 57.5	1.970	2.976	3.6	20.3
7 10	19 11.62	−26 33.9	1.953	2.967	1.6	20.1
7 20	19 2.08	−27 4.4	1.963	2.958	4.9	20.3
7 30	18 53.50	−27 27.4	2.000	2.949	8.5	20.5
8 9	18 46.72	−27 42.6	2.062	2.940	11.8	20.7

371467 2006 SF_{409} 7 8.8 241.°87 0.°9/ 9.1 18

5 31	19 42.99	−18 12.8	2.180	2.987	13.8	22.9
6 10	19 38.12	−18 30.0	2.070	2.967	11.0	22.6
6 20	19 30.92	−18 54.6	1.982	2.946	7.7	22.4
6 30	19 21.80	−19 24.9	1.920	2.924	3.9	22.1
7 10	19 11.52	−19 58.3	1.885	2.901	0.9	21.8
7 20	19 1.02	−20 32.1	1.879	2.877	4.7	22.1
7 30	18 51.35	−21 4.1	1.900	2.852	8.7	22.3
8 9	18 43.43	−21 32.9	1.947	2.827	12.3	22.4

335126 2004 TB_{285} 7 8.8 259.°92 2.°0/ 8.4 18

5 31	19 45.07	−28 15.5	2.123	2.939	13.8	21.3
6 10	19 39.89	−28 16.3	2.015	2.918	11.0	21.0
6 20	19 32.16	−28 15.7	1.929	2.895	7.7	20.8
6 30	19 22.38	−28 10.6	1.869	2.872	4.0	20.5
7 10	19 11.45	−27 58.2	1.836	2.849	2.1	20.3
7 20	19 0.42	−27 37.2	1.831	2.825	5.3	20.5
7 30	18 50.47	−27 7.9	1.853	2.800	9.2	20.7
8 9	18 42.55	−26 32.5	1.899	2.775	12.8	20.9

8331 Dawkins 7 8.8 345.°18 0.°9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.84	−21 2.8	1.212	2.072	19.5	16.8
6 10	19 35.58	−21 39.2	1.139	2.067	15.4	16.5
6 20	19 29.94	−22 26.5	1.085	2.063	10.6	16.2
6 30	19 21.53	−23 20.4	1.051	2.059	5.1	15.9
7 10	19 11.56	−24 14.9	1.040	2.056	1.2	15.6
7 20	19 1.60	−25 4.1	1.052	2.053	6.8	16.0
7 30	18 53.30	−25 43.9	1.087	2.051	12.2	16.3
8 9	18 47.94	−26 13.1	1.141	2.050	16.9	16.5

131630 2001 XO_{64} 7 8.8 213.°06 0.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 43.76	−20 17.0	1.589	2.419	17.1	19.8
6 10	19 39.33	−20 10.2	1.506	2.416	13.6	19.6
6 20	19 31.98	−20 8.8	1.442	2.411	9.4	19.3
6 30	19 22.34	−20 11.4	1.401	2.407	4.6	19.0
7 10	19 11.46	−20 15.5	1.386	2.402	1.0	18.8
7 20	19 0.65	−20 19.4	1.397	2.397	5.7	19.1
7 30	18 51.23	−20 22.1	1.433	2.391	10.4	19.3
8 9	18 44.26	−20 23.3	1.491	2.385	14.6	19.6

175741 1998 MQ_{24} 7 8.8 309.°24 1.°6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 41.17	−26 9.9	1.392	2.242	18.0	19.7
6 10	19 37.96	−26 6.0	1.304	2.226	14.3	19.4
6 20	19 31.44	−26 2.6	1.236	2.211	9.9	19.1
6 30	19 22.22	−25 56.4	1.189	2.196	4.9	18.8
7 10	19 11.47	−25 44.2	1.167	2.182	1.8	18.5
7 20	19 0.70	−25 24.1	1.168	2.168	6.5	18.8
7 30	18 51.50	−24 56.8	1.193	2.155	11.7	19.1
8 9	18 45.12	−24 24.6	1.239	2.142	16.3	19.3

13588 1993 TU_{38} 7 8.8 186.°72 0.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.15	−21 34.7	2.046	2.870	14.0	18.9
6 10	19 35.07	−22 1.5	1.962	2.870	11.0	18.7
6 20	19 28.74	−22 33.7	1.900	2.870	7.5	18.5
6 30	19 20.67	−23 8.7	1.863	2.870	3.6	18.3
7 10	19 11.70	−23 43.1	1.853	2.869	0.7	18.1
7 20	19 2.76	−24 14.2	1.870	2.869	4.7	18.4
7 30	18 54.85	−24 40.0	1.914	2.868	8.5	18.6
8 9	18 48.78	−25 0.0	1.982	2.868	11.9	18.8

232769 2004 PJ_{51} 7 8.8 315.°42 1.°4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 36.66	−22 53.6	1.425	2.279	17.5	20.2
6 10	19 34.48	−23 23.1	1.329	2.253	13.9	19.9
6 20	19 29.19	−24 0.6	1.251	2.228	9.6	19.6
6 30	19 21.23	−24 42.7	1.195	2.203	4.7	19.2
7 10	19 11.60	−25 24.5	1.163	2.179	1.6	18.9
7 20	19 1.64	−26 1.1	1.155	2.155	6.6	19.2
7 30	18 52.94	−26 29.1	1.170	2.132	11.8	19.4
8 9	18 46.84	−26 47.6	1.206	2.110	16.5	19.6

180299 2003 WP_{130} 7 8.8 232.°00 1.°2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 43.94	−24 5.3	1.864	2.688	15.2	21.8
6 10	19 39.25	−24 24.5	1.769	2.677	12.0	21.6
6 20	19 31.86	−24 47.5	1.695	2.665	8.3	21.3
6 30	19 22.29	−25 10.8	1.646	2.652	4.1	21.1
7 10	19 11.48	−25 31.0	1.623	2.639	1.4	20.8
7 20	19 0.59	−25 45.1	1.628	2.625	5.4	21.1
7 30	18 50.87	−25 52.0	1.659	2.611	9.7	21.3
8 9	18 43.34	−25 52.2	1.713	2.596	13.6	21.5

183149 2002 RL_{254} 7 8.8 157.°50 1.°1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.87	−18 48.6	1.857	2.675	15.4	21.6
6 10	19 38.07	−18 51.1	1.778	2.681	12.2	21.4
6 20	19 30.81	−19 0.1	1.720	2.686	8.4	21.2
6 30	19 21.67	−19 13.8	1.686	2.690	4.2	21.0
7 10	19 11.59	−19 30.1	1.679	2.694	1.2	20.7
7 20	19 1.63	−19 46.9	1.699	2.698	5.0	21.0
7 30	18 52.90	−20 2.5	1.745	2.701	9.1	21.3
8 9	18 46.23	−20 16.3	1.816	2.704	12.7	21.5

277518 2005 WD_{208} 7 8.8 173.°98 0.°5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 41.76	−23 0.2	1.853	2.681	15.1	21.8
6 10	19 37.33	−23 9.1	1.772	2.682	11.9	21.6
6 20	19 30.38	−23 21.5	1.712	2.682	8.1	21.4
6 30	19 21.50	−23 34.9	1.677	2.683	3.9	21.1
7 10	19 11.64	−23 46.4	1.667	2.683	0.8	20.9
7 20	19 1.88	−23 54.2	1.685	2.684	5.0	21.2
7 30	18 53.36	−23 57.2	1.728	2.684	9.2	21.4
8 9	18 46.95	−23 55.8	1.795	2.683	12.8	21.7

158995 2004 SH_{31} 7 8.8 258.°18 7.°4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 34.94	+ 1 56.1	2.681	3.417	13.2	20.7
6 10	19 31.19	+ 2 33.3	2.582	3.403	11.6	20.5
6 20	19 25.82	+ 2 57.0	2.502	3.389	9.8	20.4
6 30	19 19.23	+ 3 4.5	2.445	3.375	8.2	20.3
7 10	19 11.95	+ 2 54.7	2.413	3.361	7.4	20.2
7 20	19 4.61	+ 2 27.7	2.406	3.346	7.8	20.2
7 30	18 57.89	+ 1 45.2	2.426	3.332	9.2	20.3
8 9	18 52.38	+ 0 50.4	2.469	3.317	11.1	20.4

470869 2009 AT_{13} 7 8.8 299.°98 1.°6/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.74	−16 26.1	1.885	2.708	15.1	21.7
6 10	19 34.15	−16 39.3	1.798	2.703	12.0	21.5
6 20	19 28.23	−17 1.9	1.732	2.698	8.4	21.2
6 30	19 20.50	−17 32.3	1.689	2.693	4.4	21.0
7 10	19 11.77	−18 8.3	1.673	2.688	1.6	20.8
7 20	19 3.04	−18 46.8	1.684	2.683	4.9	21.0
7 30	18 55.33	−19 25.3	1.720	2.679	8.9	21.2
8 9	18 49.52	−20 1.4	1.780	2.674	12.6	21.4

126971 2002 FH_{22} 7 8.8 26.°27 3.°9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 37.60	− 9 33.0	1.698	2.510	16.9	19.6
6 10	19 34.18	− 9 56.8	1.619	2.512	13.8	19.4
6 20	19 28.32	−10 37.4	1.559	2.514	10.1	19.2
6 30	19 20.55	−11 34.3	1.523	2.517	6.2	19.0
7 10	19 11.77	−12 44.4	1.512	2.520	3.9	18.9
7 20	19 3.01	−14 3.2	1.527	2.523	5.9	19.0
7 30	18 55.37	−15 25.3	1.568	2.526	9.6	19.2
8 9	18 49.74	−16 45.8	1.632	2.530	13.3	19.5

197878 2004 RJ_{14} 7 8.8 89.°46 3.°8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 45.45	−31 35.0	1.737	2.567	15.9	20.0
6 10	19 40.42	−31 54.3	1.670	2.577	12.6	19.8
6 20	19 32.52	−32 10.4	1.622	2.588	8.9	19.6
6 30	19 22.50	−32 18.4	1.599	2.598	5.3	19.4
7 10	19 11.52	−32 14.7	1.602	2.609	3.9	19.4
7 20	19 0.90	−31 57.8	1.630	2.619	6.5	19.5
7 30	18 51.88	−31 29.1	1.685	2.629	10.1	19.8
8 9	18 45.36	−30 51.7	1.762	2.639	13.5	20.0

428335 2007 HA_{87} 7 8.8 15.°64 3.°7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 35.65	−13 47.2	1.350	2.194	18.8	20.5
6 10	19 33.17	−13 35.9	1.284	2.198	15.1	20.3
6 20	19 27.85	−13 37.8	1.236	2.203	10.8	20.1
6 30	19 20.37	−13 53.1	1.209	2.210	6.4	19.8
7 10	19 11.80	−14 19.8	1.205	2.217	3.7	19.7
7 20	19 3.42	−14 55.1	1.226	2.225	6.4	19.9
7 30	18 56.49	−15 35.1	1.269	2.234	10.8	20.1
8 9	18 51.97	−16 16.4	1.334	2.243	14.9	20.4

16341 2182 $T\text{-}_3$ 7 8.8 34.°62 1.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 40.59	−18 45.5	1.192	2.046	20.2	18.0
6 10	19 37.45	−18 29.8	1.130	2.052	16.0	17.8
6 20	19 30.97	−18 22.7	1.085	2.059	11.1	17.5
6 30	19 21.91	−18 23.2	1.061	2.067	5.7	17.3
7 10	19 11.61	−18 29.1	1.059	2.074	2.0	17.0
7 20	19 1.61	−18 38.1	1.081	2.083	6.5	17.4
7 30	18 53.43	−18 48.4	1.126	2.091	11.7	17.7
8 9	18 48.15	−18 58.8	1.190	2.101	16.2	18.0

440610 2005 VJ_{101} 7 8.8 21.°12 7.°8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 42.95	−41 32.6	1.969	2.786	14.7	20.2
6 10	19 38.73	−42 38.1	1.903	2.790	12.3	20.1
6 20	19 31.57	−43 35.7	1.857	2.794	9.9	19.9
6 30	19 22.14	−44 18.4	1.835	2.798	8.2	19.8
7 10	19 11.57	−44 40.5	1.837	2.803	8.0	19.8
7 20	19 1.21	−44 39.5	1.863	2.808	9.4	19.9
7 30	18 52.38	−44 16.7	1.913	2.814	11.6	20.1
8 9	18 46.09	−43 36.2	1.985	2.819	14.0	20.2

254142 2004 PV_{60} 7 8.8 253.°13 5.°9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 35.48	− 1 35.4	2.836	3.585	12.3	21.1
6 10	19 31.54	− 1 15.2	2.729	3.567	10.5	20.9
6 20	19 26.04	− 1 7.2	2.642	3.549	8.6	20.7
6 30	19 19.34	− 1 12.8	2.580	3.531	6.8	20.6
7 10	19 11.96	− 1 32.7	2.543	3.513	5.9	20.5
7 20	19 4.50	− 2 6.2	2.534	3.494	6.4	20.5
7 30	18 57.60	− 2 51.5	2.552	3.474	8.2	20.6
8 9	18 51.84	− 3 45.8	2.595	3.455	10.3	20.7

337 Devosa 7 8.8 192.°53 4.°4/ 7.7 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 46.81	−32 24.0	1.888	2.709	15.1	13.1
6 10	19 41.55	−33 0.6	1.806	2.708	12.1	12.9
6 20	19 33.41	−33 34.9	1.745	2.706	8.7	12.7
6 30	19 23.03	−34 1.4	1.709	2.704	5.5	12.5
7 10	19 11.47	−34 15.2	1.698	2.701	4.5	12.4
7 20	19 0.03	−34 13.6	1.715	2.698	6.9	12.6
7 30	18 50.01	−33 57.0	1.758	2.694	10.4	12.7
8 9	18 42.43	−33 28.5	1.823	2.689	13.7	12.9

396813 2004 PS_{112} 7 8.8 283.°92 7.°2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 36.32	+ 2 26.0	2.426	3.163	14.4	20.5
6 10	19 32.54	+ 2 23.5	2.317	3.143	12.6	20.4
6 20	19 26.92	+ 2 2.8	2.227	3.122	10.5	20.2
6 30	19 19.85	+ 1 21.6	2.159	3.101	8.5	20.0
7 10	19 11.90	+ 0 19.6	2.117	3.080	7.3	19.9
7 20	19 3.80	− 1 1.4	2.101	3.059	7.7	19.9
7 30	18 56.34	− 2 37.6	2.113	3.038	9.5	20.0
8 9	18 50.22	− 4 23.7	2.150	3.017	11.8	20.1

271055 2003 GB_5 7 8.8 60.°85 5.°8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.91	− 8 26.0	1.584	2.395	18.0	20.5
6 10	19 35.14	− 7 59.9	1.520	2.408	14.7	20.3
6 20	19 28.88	− 7 49.1	1.474	2.422	11.1	20.2
6 30	19 20.77	− 7 54.8	1.451	2.436	7.6	20.0
7 10	19 11.80	− 8 16.6	1.452	2.450	5.8	19.9
7 20	19 3.05	− 8 52.2	1.477	2.465	7.2	20.0
7 30	18 55.60	− 9 37.9	1.527	2.479	10.4	20.3
8 9	18 50.30	−10 29.4	1.600	2.493	13.8	20.5

9213 1995 UX_5 7 8.8 192.°00 0.°8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 44.39	−24 25.1	1.730	2.558	16.0	18.3
6 10	19 39.60	−24 22.9	1.648	2.558	12.6	18.1
6 20	19 32.05	−24 22.5	1.587	2.557	8.6	17.8
6 30	19 22.36	−24 21.2	1.549	2.555	4.2	17.6
7 10	19 11.59	−24 16.4	1.538	2.554	1.0	17.3
7 20	19 0.96	−24 6.8	1.553	2.552	5.4	17.6
7 30	18 51.72	−23 52.3	1.594	2.550	9.8	17.9
8 9	18 44.82	−23 34.3	1.659	2.547	13.6	18.1

3664 Anneres 7 8.8 254.°00 0.°9/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.55	−19 48.6	2.159	2.977	13.6	17.0
6 10	19 35.31	−19 44.8	2.063	2.965	10.8	16.8
6 20	19 28.91	−19 45.4	1.987	2.954	7.4	16.6
6 30	19 20.82	−19 49.3	1.937	2.942	3.7	16.3
7 10	19 11.80	−19 55.0	1.914	2.930	0.9	16.1
7 20	19 2.77	−20 1.0	1.919	2.918	4.5	16.3
7 30	18 54.66	−20 6.3	1.950	2.906	8.3	16.5
8 9	18 48.27	−20 10.6	2.006	2.893	11.7	16.7

179304 2001 VW_{95} 7 8.8 203.°70 1.°1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 37.74	−16 21.4	2.395	3.203	12.7	20.8
6 10	19 33.62	−16 48.3	2.305	3.201	10.1	20.6
6 20	19 27.61	−17 23.2	2.236	3.199	7.0	20.4
6 30	19 20.15	−18 4.5	2.193	3.196	3.6	20.2
7 10	19 11.90	−18 49.9	2.178	3.193	1.2	20.0
7 20	19 3.63	−19 36.4	2.192	3.190	4.1	20.2
7 30	18 56.16	−20 21.8	2.233	3.187	7.4	20.4
8 9	18 50.18	−21 4.0	2.299	3.184	10.5	20.6

436463 2011 DV_7 7 8.8 345.°43 2.°6/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 36.46	−15 37.0	1.438	2.280	18.0	20.7
6 10	19 33.83	−15 34.0	1.360	2.274	14.4	20.5
6 20	19 28.39	−15 42.3	1.300	2.269	10.2	20.2
6 30	19 20.72	−16 1.5	1.262	2.265	5.6	19.9
7 10	19 11.83	−16 29.5	1.248	2.261	2.7	19.7
7 20	19 2.96	−17 3.4	1.258	2.258	6.0	19.9
7 30	18 55.43	−17 39.7	1.291	2.256	10.7	20.2
8 9	18 50.26	−18 15.8	1.347	2.254	14.9	20.4

284295 2006 KT_{103} 7 8.8 340.°30 2.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 34.17	−22 49.5	1.397	2.256	17.5	19.7
6 10	19 32.47	−23 54.6	1.314	2.242	13.8	19.4
6 20	19 27.77	−25 10.7	1.250	2.228	9.5	19.2
6 30	19 20.56	−26 32.6	1.208	2.216	4.8	18.8
7 10	19 11.84	−27 53.0	1.191	2.205	2.7	18.7
7 20	19 2.94	−29 4.8	1.197	2.195	6.9	18.9
7 30	18 55.37	−30 2.9	1.227	2.186	11.7	19.2
8 9	18 50.37	−30 45.7	1.278	2.178	16.0	19.4

2120 Tyumenia 7 8.8 352.°59 9.°5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 35.46	− 0 14.8	1.910	2.681	16.7	15.4
6 10	19 32.18	+ 1 8.1	1.831	2.677	14.6	15.3
6 20	19 26.79	+ 2 16.3	1.771	2.674	12.3	15.1
6 30	19 19.80	+ 3 5.0	1.733	2.672	10.4	15.0
7 10	19 11.97	+ 3 31.2	1.718	2.670	9.5	14.9
7 20	19 4.19	+ 3 34.0	1.726	2.669	10.2	15.0
7 30	18 57.36	+ 3 14.8	1.758	2.668	11.9	15.1
8 9	18 52.24	+ 2 37.6	1.811	2.668	14.2	15.2

93899 2000 WL_{145} 7 8.8 154.°32 6.°8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 38.62	− 2 2.0	2.120	2.885	15.5	20.2
6 10	19 34.38	− 1 42.1	2.040	2.890	13.1	20.0
6 20	19 28.14	− 1 38.1	1.978	2.895	10.5	19.9
6 30	19 20.41	− 1 52.0	1.940	2.899	8.1	19.7
7 10	19 11.90	− 2 23.9	1.926	2.903	6.8	19.6
7 20	19 3.46	− 3 12.0	1.939	2.907	7.5	19.7
7 30	18 55.92	− 4 13.0	1.978	2.910	9.6	19.8
8 9	18 50.01	− 5 22.4	2.042	2.913	12.2	20.0

185014 2006 QT_{17} 7 8.8 214.°03 3.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 41.29	−12 16.7	1.851	2.658	15.9	21.1
6 10	19 36.98	−12 17.7	1.761	2.652	12.9	20.9
6 20	19 30.23	−12 30.6	1.690	2.646	9.4	20.7
6 30	19 21.53	−12 55.3	1.643	2.639	5.6	20.4
7 10	19 11.74	−13 30.1	1.622	2.631	3.4	20.3
7 20	19 1.90	−14 12.5	1.628	2.623	5.7	20.4
7 30	18 53.10	−14 59.1	1.661	2.615	9.5	20.6
8 9	18 46.26	−15 47.1	1.717	2.606	13.2	20.8

168178 2006 HN_{84} 7 8.8 337.°76 7.°7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.82	− 6 14.8	1.635	2.443	17.7	19.9
6 10	19 32.88	− 5 13.6	1.553	2.435	14.9	19.7
6 20	19 27.51	− 4 25.9	1.490	2.428	11.8	19.5
6 30	19 20.23	− 3 55.4	1.448	2.421	9.0	19.3
7 10	19 11.92	− 3 44.4	1.429	2.415	7.7	19.2
7 20	19 3.62	− 3 53.0	1.434	2.409	8.8	19.3
7 30	18 56.42	− 4 19.3	1.463	2.404	11.6	19.4
8 9	18 51.23	− 4 59.2	1.512	2.400	14.8	19.6

355063 2006 SZ_{191} 7 8.8 245.°34 1.°0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 38.28	−18 32.9	2.272	3.086	13.1	22.5
6 10	19 34.20	−18 39.8	2.177	3.078	10.4	22.3
6 20	19 28.09	−18 52.5	2.104	3.070	7.2	22.1
6 30	19 20.42	−19 9.8	2.057	3.061	3.6	21.8
7 10	19 11.91	−19 29.8	2.037	3.052	1.0	21.6
7 20	19 3.37	−19 50.7	2.044	3.043	4.3	21.9
7 30	18 55.68	−20 10.8	2.079	3.034	7.8	22.1
8 9	18 49.61	−20 29.1	2.138	3.025	11.1	22.2

367346 2008 EP_{45} 7 8.8 209.°32 0.°4/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 44.12	−20 49.4	1.999	2.813	14.6	21.9
6 10	19 39.08	−20 51.7	1.906	2.807	11.6	21.7
6 20	19 31.58	−20 58.4	1.834	2.800	8.0	21.4
6 30	19 22.15	−21 7.7	1.787	2.793	3.9	21.2
7 10	19 11.68	−21 17.3	1.768	2.784	0.6	20.9
7 20	19 1.19	−21 25.4	1.776	2.775	4.8	21.2
7 30	18 51.80	−21 31.1	1.812	2.765	8.9	21.4
8 9	18 44.41	−21 34.1	1.871	2.754	12.6	21.6

350424 2012 VU_{72} 7 8.8 264.°65 2.°5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 38.81	−15 44.0	2.034	2.848	14.4	21.2
6 10	19 34.84	−15 30.7	1.938	2.836	11.6	21.0
6 20	19 28.66	−15 24.5	1.863	2.825	8.2	20.8
6 30	19 20.74	−15 25.4	1.813	2.813	4.7	20.5
7 10	19 11.86	−15 32.3	1.789	2.801	2.5	20.4
7 20	19 2.94	−15 44.1	1.792	2.789	5.1	20.5
7 30	18 54.95	−15 59.2	1.821	2.776	8.8	20.7
8 9	18 48.73	−16 16.3	1.874	2.764	12.3	20.9

478633 2012 TD_{190} 7 8.8 230.°13 1.°8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 40.13	−16 47.4	2.455	3.257	12.6	22.7
6 10	19 35.47	−16 39.0	2.353	3.245	10.1	22.5
6 20	19 28.88	−16 36.0	2.272	3.232	7.1	22.3
6 30	19 20.79	−16 37.9	2.218	3.219	3.9	22.0
7 10	19 11.87	−16 43.7	2.191	3.205	1.8	21.9
7 20	19 2.90	−16 52.2	2.193	3.190	4.3	22.0
7 30	18 54.71	−17 2.5	2.223	3.175	7.6	22.2
8 9	18 48.03	−17 13.7	2.278	3.159	10.7	22.4

349495 2008 JH_{35} 7 8.8 64.°10 1.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 43.93	−27 46.6	2.118	2.937	13.8	19.8
6 10	19 38.41	−27 31.4	2.056	2.960	10.8	19.6
6 20	19 30.71	−27 14.5	2.016	2.983	7.3	19.4
6 30	19 21.53	−26 53.6	2.001	3.005	3.6	19.2
7 10	19 11.79	−26 27.8	2.014	3.028	1.5	19.1
7 20	19 2.46	−25 56.9	2.055	3.051	4.6	19.4
7 30	18 54.43	−25 22.1	2.123	3.074	8.0	19.6
8 9	18 48.37	−24 45.2	2.216	3.097	11.0	19.9

470315 2007 NY_4 7 8.8 21.°98 9.°0/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	20 13.21	−49 44.8	0.987	1.805	26.0	19.4
6 10	20 3.06	−48 8.2	0.941	1.828	21.8	19.2
6 20	19 47.51	−45 55.8	0.911	1.853	16.9	19.0
6 30	19 29.06	−42 59.7	0.901	1.881	12.0	18.9
7 10	19 10.93	−39 24.2	0.915	1.910	9.1	18.8
7 20	18 55.76	−35 26.8	0.956	1.941	10.4	19.0
7 30	18 45.09	−31 29.9	1.022	1.974	14.2	19.3
8 9	18 39.22	−27 51.6	1.111	2.009	18.2	19.7

8996 Waynedwards 7 8.8 27.°43 4.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 36.24	−12 10.2	1.874	2.690	15.4	18.7
6 10	19 32.78	−11 44.7	1.801	2.697	12.5	18.5
6 20	19 27.16	−11 29.3	1.749	2.704	9.1	18.3
6 30	19 19.96	−11 24.7	1.720	2.713	5.8	18.1
7 10	19 11.99	−11 30.4	1.716	2.721	4.0	18.0
7 20	19 4.17	−11 45.2	1.738	2.730	5.8	18.1
7 30	18 57.42	−12 7.2	1.786	2.740	9.0	18.4
8 9	18 52.47	−12 33.8	1.856	2.749	12.2	18.6

285330 1999 FH_{17} 7 8.8 40.°17 3.°2/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.70	−15 32.5	1.194	2.044	20.4	21.0
6 10	19 36.66	−15 19.5	1.135	2.053	16.3	20.8
6 20	19 30.40	−15 19.1	1.093	2.064	11.5	20.6
6 30	19 21.67	−15 30.7	1.071	2.075	6.4	20.3
7 10	19 11.77	−15 52.3	1.073	2.086	3.2	20.2
7 20	19 2.17	−16 20.4	1.097	2.098	6.7	20.4
7 30	18 54.34	−16 51.9	1.145	2.110	11.6	20.7
8 9	18 49.30	−17 23.7	1.212	2.123	16.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
193428	2000 WE_{101}		7	8.8	230.°18	1.°4/ 8.3 18
	h m	° ′			°	m
5 31	19 41.78	−24 12.1	2.296	3.111	12.9	20.2
6 10	19 37.09	−24 45.9	2.196	3.099	10.2	20.0
6 20	19 30.18	−25 23.4	2.119	3.086	7.0	19.8
6 30	19 21.49	−26 1.7	2.068	3.073	3.5	19.6
7 10	19 11.78	−26 37.2	2.044	3.059	1.5	19.4
7 20	19 1.96	−27 7.0	2.049	3.044	4.7	19.6
7 30	18 53.03	−27 29.3	2.082	3.029	8.3	19.8
8 9	18 45.83	−27 44.1	2.139	3.014	11.6	20.0
273756	2007 EU_{144}		7	8.8	348.°52	4.°0/ 7.8 17
5 31	19 37.06	−28 26.5	1.288	2.151	18.4	20.1
6 10	19 35.00	−29 5.2	1.215	2.144	14.6	19.8
6 20	19 29.58	−29 46.1	1.160	2.137	10.3	19.5
6 30	19 21.42	−30 23.2	1.127	2.131	5.8	19.3
7 10	19 11.78	−30 50.2	1.116	2.127	4.1	19.2
7 20	19 2.21	−31 3.0	1.128	2.123	7.7	19.3
7 30	18 54.34	−31 0.6	1.163	2.120	12.3	19.6
8 9	18 49.39	−30 45.2	1.217	2.119	16.6	19.8
471705	2012 TD_{282}		7	8.8	329.°43	0.°6/ 8.9 18
5 31	19 42.11	−22 56.5	1.750	2.581	15.7	20.6
6 10	19 37.73	−22 24.8	1.666	2.577	12.5	20.4
6 20	19 30.73	−21 53.8	1.603	2.573	8.5	20.2
6 30	19 21.74	−21 22.6	1.564	2.570	4.2	19.9
7 10	19 11.76	−20 50.6	1.550	2.567	0.8	19.6
7 20	19 1.95	−20 17.8	1.564	2.564	5.2	19.9
7 30	18 53.45	−19 45.3	1.603	2.561	9.5	20.2
8 9	18 47.16	−19 14.3	1.665	2.558	13.3	20.4
404632	2014 HB_{11}		7	8.8	55.°34	5.°8/11.8 16
5 31	19 35.76	− 3 21.0	2.168	2.943	14.9	20.9
6 10	19 32.11	− 3 20.5	2.091	2.951	12.5	20.7
6 20	19 26.58	− 3 35.9	2.033	2.959	9.8	20.5
6 30	19 19.66	− 4 8.2	1.999	2.968	7.3	20.4
7 10	19 12.05	− 4 56.3	1.991	2.977	5.8	20.3
7 20	19 4.52	− 5 57.9	2.009	2.985	6.6	20.4
7 30	18 57.85	− 7 9.1	2.053	2.994	8.8	20.5
8 9	18 52.72	− 8 25.5	2.122	3.003	11.4	20.7
471661	2012 TO_{137}		7	8.8	350.°81	1.°9/ 8.2 16
5 31	19 33.18	−22 15.0	1.220	2.089	18.9	20.3
6 10	19 31.97	−23 5.7	1.147	2.080	14.9	20.0
6 20	19 27.55	−24 7.0	1.091	2.072	10.2	19.7
6 30	19 20.49	−25 14.3	1.057	2.065	5.0	19.4
7 10	19 11.92	−26 20.5	1.045	2.060	2.1	19.2
7 20	19 3.31	−27 19.0	1.057	2.057	6.9	19.5
7 30	18 56.26	−28 5.2	1.090	2.055	12.1	19.8
8 9	18 52.01	−28 37.7	1.143	2.054	16.7	20.0
258725	2002 GB_{97}		7	8.8	18.°26	2.°6/ 8.3 17
5 31	19 37.30	−25 52.4	1.011	1.889	21.2	20.1
6 10	19 35.59	−26 14.8	0.958	1.896	16.7	19.9
6 20	19 30.08	−26 40.7	0.922	1.903	11.4	19.6
6 30	19 21.63	−27 4.7	0.905	1.913	5.8	19.4
7 10	19 11.79	−27 21.3	0.909	1.923	2.8	19.2
7 20	19 2.38	−27 27.0	0.934	1.935	7.5	19.5
7 30	18 55.11	−27 21.4	0.981	1.948	12.8	19.9
8 9	18 51.14	−27 6.6	1.046	1.963	17.4	20.2
355659	2008 EY_{99}		7	8.8	62.°68	3.°7/ 7.2 17
5 31	19 40.06	−29 23.3	2.112	2.939	13.5	20.4
6 10	19 35.88	−30 28.6	2.043	2.950	10.7	20.3
6 20	19 29.36	−31 34.8	1.996	2.961	7.5	20.1
6 30	19 21.07	−32 36.8	1.975	2.972	4.6	19.9
7 10	19 11.87	−33 29.6	1.980	2.984	3.8	19.9
7 20	19 2.77	−34 9.8	2.013	2.995	6.1	20.1
7 30	18 54.78	−34 36.1	2.072	3.007	9.1	20.3
8 9	18 48.73	−34 49.3	2.154	3.018	11.9	20.5
521539	2015 OU_{100}		7	8.8	7.°56	4.°4/10.3 16
5 31	19 35.64	− 9 28.9	2.209	3.006	14.0	21.6
6 10	19 32.04	− 9 7.2	2.125	3.007	11.4	21.4
6 20	19 26.55	− 8 55.9	2.062	3.007	8.6	21.3
6 30	19 19.67	− 8 56.0	2.023	3.008	5.9	21.1
7 10	19 12.07	− 9 7.1	2.010	3.008	4.4	21.0
7 20	19 4.52	− 9 28.2	2.023	3.010	5.7	21.1
7 30	18 57.82	− 9 57.4	2.063	3.011	8.4	21.2
8 9	18 52.64	−10 32.1	2.127	3.012	11.2	21.4
29751	1999 CE_4		7	8.8	346.°76	0.°7/ 9.1 18
5 31	19 38.17	−19 22.4	2.008	2.832	14.2	19.1
6 10	19 34.33	−19 32.6	1.925	2.831	11.2	18.9
6 20	19 28.29	−19 48.9	1.862	2.831	7.7	18.7
6 30	19 20.56	−20 9.7	1.825	2.830	3.8	18.4
7 10	19 11.95	−20 32.6	1.813	2.830	0.8	18.2
7 20	19 3.39	−20 55.4	1.829	2.829	4.6	18.5
7 30	18 55.85	−21 16.3	1.871	2.829	8.4	18.7
8 9	18 50.13	−21 34.4	1.937	2.829	11.9	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67124	2000 AY_{127}		7	8.8	233.°89	2.°3/ 9.8 18
	h m	° ′			°	m
5 31	19 39.29	−13 38.1	2.497	3.292	12.6	19.5
6 10	19 34.83	−13 47.8	2.391	3.277	10.2	19.3
6 20	19 28.48	−14 6.1	2.307	3.262	7.3	19.1
6 30	19 20.64	−14 32.5	2.250	3.247	4.2	18.9
7 10	19 11.94	−15 5.4	2.220	3.231	2.3	18.7
7 20	19 3.13	−15 42.8	2.218	3.214	4.4	18.9
7 30	18 55.02	−16 22.5	2.245	3.197	7.6	19.0
8 9	18 48.34	−17 2.6	2.298	3.179	10.7	19.2
16854	1997 YL_3		7	8.8	356.°98	2.°0/ 8.1 18
5 31	19 35.63	−22 16.8	1.292	2.153	18.5	17.3
6 10	19 33.72	−23 15.6	1.220	2.149	14.6	17.0
6 20	19 28.64	−24 25.0	1.168	2.146	9.9	16.7
6 30	19 20.98	−25 39.5	1.136	2.144	4.9	16.4
7 10	19 11.89	−26 51.9	1.129	2.143	2.3	16.3
7 20	19 2.80	−27 55.5	1.145	2.144	6.8	16.6
7 30	18 55.24	−28 45.8	1.184	2.145	11.8	16.8
8 9	18 50.43	−29 21.7	1.243	2.147	16.1	17.1
178341	1995 UK_{35}		7	8.8	119.°50	0.°0/ 8.7 17
5 31	19 43.59	−20 35.5	1.744	2.568	16.0	21.4
6 10	19 38.81	−20 56.3	1.674	2.581	12.6	21.2
6 20	19 31.42	−21 23.5	1.625	2.593	8.6	21.0
6 30	19 22.07	−21 54.2	1.599	2.605	4.1	20.8
7 10	19 11.77	−22 24.7	1.601	2.617	0.5	20.5
7 20	19 1.67	−22 52.1	1.629	2.628	5.1	20.9
7 30	18 52.93	−23 14.7	1.683	2.639	9.3	21.2
8 9	18 46.41	−23 31.8	1.761	2.649	13.0	21.4
16874	Kurtwahl		7	8.8	254.°18	1.°4/ 9.2 18
5 31	19 41.08	−17 53.9	1.492	2.327	17.7	18.4
6 10	19 37.46	−18 2.3	1.411	2.323	14.1	18.2
6 20	19 30.89	−18 20.4	1.349	2.319	9.8	17.9
6 30	19 21.97	−18 46.5	1.310	2.315	5.0	17.6
7 10	19 11.77	−19 17.6	1.295	2.311	1.4	17.4
7 20	19 1.56	−19 50.1	1.306	2.307	5.8	17.7
7 30	18 52.74	−20 21.3	1.341	2.303	10.6	17.9
8 9	18 46.38	−20 49.3	1.398	2.298	15.0	18.2
444145	2004 VC_{54}		7	8.8	309.°96	4.°3/ 9.2 17
5 31	19 38.62	−13 54.5	2.035	2.845	14.6	20.8
6 10	19 34.89	−12 59.8	1.917	2.810	12.0	20.6
6 20	19 28.87	−12 9.2	1.820	2.775	8.9	20.3
6 30	19 20.96	−11 24.4	1.748	2.740	5.8	20.1
7 10	19 11.90	−10 46.8	1.701	2.705	4.3	19.9
7 20	19 2.59	−10 17.7	1.681	2.670	6.4	19.9
7 30	18 54.08	− 9 57.6	1.687	2.635	9.9	20.1
8 9	18 47.27	− 9 46.2	1.717	2.601	13.5	20.2
442106	2010 TS_{99}		7	8.8	288.°65	4.°5/ 7.2 16
5 31	19 40.37	−33 34.1	2.241	3.063	13.0	21.5
6 10	19 36.21	−34 17.8	2.152	3.053	10.5	21.4
6 20	19 29.67	−34 59.4	2.085	3.044	7.7	21.2
6 30	19 21.28	−35 34.2	2.044	3.035	5.2	21.0
7 10	19 11.87	−35 57.9	2.028	3.025	4.6	20.9
7 20	19 2.46	−36 7.9	2.040	3.016	6.5	21.0
7 30	18 54.10	−36 3.8	2.077	3.007	9.4	21.2
8 9	18 47.68	−35 47.4	2.138	2.998	12.2	21.4
481517	2007 FA_{34}		7	8.8	315.°10	4.°3/ 7.5 18
5 31	19 39.32	−32 54.0	2.087	2.915	13.6	20.7
6 10	19 35.57	−33 26.4	1.994	2.900	10.9	20.5
6 20	19 29.35	−33 56.7	1.922	2.884	8.0	20.3
6 30	19 21.16	−34 20.2	1.874	2.869	5.2	20.1
7 10	19 11.89	−34 32.8	1.852	2.853	4.4	20.0
7 20	19 2.60	−34 32.2	1.857	2.839	6.5	20.1
7 30	18 54.40	−34 18.2	1.887	2.824	9.7	20.3
8 9	18 48.23	−33 52.5	1.940	2.810	12.8	20.4
435850	2008 WC_{129}		7	8.9	313.°93	0.°5/ 8.9 18
5 31	19 40.94	−23 58.6	1.548	2.389	16.9	20.1
6 10	19 37.62	−23 21.6	1.441	2.358	13.6	19.8
6 20	19 31.24	−22 43.0	1.353	2.326	9.5	19.5
6 30	19 22.27	−22 1.3	1.288	2.295	4.7	19.2
7 10	19 11.73	−21 15.7	1.248	2.265	0.8	18.8
7 20	19 0.95	−20 26.8	1.233	2.234	6.0	19.1
7 30	18 51.41	−19 36.5	1.243	2.205	11.3	19.3
8 9	18 44.36	−18 47.4	1.274	2.176	16.0	19.5
143956	2003 YL_{123}		7	8.9	150.°69	0.°9/ 9.1 17
5 31	19 43.52	−19 1.9	1.902	2.718	15.2	21.3
6 10	19 38.55	−19 6.7	1.824	2.726	12.0	21.1
6 20	19 31.16	−19 17.7	1.767	2.733	8.3	20.9
6 30	19 21.94	−19 33.0	1.735	2.740	4.1	20.7
7 10	19 11.81	−19 50.5	1.730	2.746	1.0	20.4
7 20	19 1.83	−20 7.9	1.753	2.752	4.8	20.7
7 30	18 53.05	−20 23.8	1.802	2.757	8.9	21.0
8 9	18 46.31	−20 37.5	1.875	2.762	12.4	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
225847	2001 XE_{136}		7 8.9	192.°01	0.°2/ 8.9	18
	h m	° ′			°	m
5 31	19 41.88	−20 22.6	2.162	2.975	13.7	22.0
6 10	19 37.11	−20 37.3	2.073	2.974	10.8	21.8
6 20	19 30.14	−20 57.2	2.006	2.972	7.4	21.6
6 30	19 21.46	−21 20.2	1.964	2.969	3.6	21.4
7 10	19 11.87	−21 43.9	1.950	2.966	0.5	21.1
7 20	19 2.30	−22 5.9	1.964	2.963	4.4	21.4
7 30	18 53.73	−22 24.8	2.005	2.959	8.2	21.6
8 9	18 46.94	−22 40.0	2.071	2.954	11.6	21.8
257361	2009 ME_{7}		7 8.9	314.°17	1.°3/ 9.0	17
5 31	19 39.36	−21 5.9	1.358	2.208	18.4	20.0
6 10	19 36.55	−20 40.1	1.269	2.190	14.7	19.7
6 20	19 30.56	−20 17.9	1.198	2.173	10.2	19.4
6 30	19 21.93	−19 58.5	1.150	2.156	5.2	19.1
7 10	19 11.79	−19 40.7	1.124	2.140	1.4	18.8
7 20	19 1.56	−19 23.8	1.123	2.124	6.3	19.1
7 30	18 52.79	−19 7.8	1.144	2.109	11.6	19.3
8 9	18 46.70	−18 53.1	1.187	2.095	16.4	19.6
163934	2003 SG_{311}		7 8.9	164.°09	0.°4/ 8.7	18
5 31	19 41.47	−22 55.0	2.590	3.397	11.9	21.2
6 10	19 36.35	−23 8.3	2.505	3.403	9.3	21.1
6 20	19 29.36	−23 24.1	2.443	3.409	6.3	20.9
6 30	19 20.99	−23 40.4	2.408	3.413	3.0	20.7
7 10	19 11.95	−23 55.0	2.401	3.418	0.6	20.5
7 20	19 2.98	−24 6.4	2.424	3.421	3.9	20.8
7 30	18 54.90	−24 13.8	2.475	3.424	7.1	21.0
8 9	18 48.35	−24 17.3	2.551	3.427	9.9	21.2
159240	2005 YW_{33}		7 8.9	138.°54	0.°2/ 8.9	18
5 31	19 37.47	−20 44.4	2.669	3.480	11.5	21.0
6 10	19 33.16	−20 52.8	2.586	3.486	9.0	20.9
6 20	19 27.17	−21 4.8	2.525	3.491	6.1	20.7
6 30	19 19.93	−21 18.8	2.491	3.496	3.0	20.5
7 10	19 12.09	−21 33.3	2.484	3.501	0.4	20.3
7 20	19 4.32	−21 46.7	2.506	3.505	3.6	20.6
7 30	18 57.34	−21 58.3	2.557	3.510	6.7	20.8
8 9	18 51.74	−22 7.4	2.632	3.514	9.4	21.0
334435	2002 GS_{138}		7 8.9	60.°63	2.°4/ 9.4	17
5 31	19 42.26	−17 11.4	1.607	2.434	17.1	20.6
6 10	19 37.65	−16 47.7	1.551	2.457	13.5	20.4
6 20	19 30.51	−16 31.4	1.515	2.481	9.4	20.2
6 30	19 21.57	−16 22.2	1.502	2.504	5.1	20.0
7 10	19 11.89	−16 18.8	1.515	2.528	2.4	19.9
7 20	19 2.62	−16 20.1	1.554	2.552	5.5	20.1
7 30	18 54.83	−16 24.9	1.618	2.576	9.4	20.4
8 9	18 49.28	−16 31.8	1.705	2.600	13.0	20.7
55984	1998 RZ_{77}		7 8.9	310.°76	1.°3/ 9.2	18
5 31	19 36.96	−18 11.8	1.160	2.021	20.2	18.5
6 10	19 35.27	−18 20.4	1.073	2.001	16.2	18.1
6 20	19 30.09	−18 41.6	1.004	1.980	11.4	17.8
6 30	19 21.90	−19 14.1	0.954	1.961	5.8	17.4
7 10	19 11.80	−19 54.3	0.926	1.942	1.4	17.1
7 20	19 1.37	−20 37.4	0.920	1.923	7.0	17.4
7 30	18 52.44	−21 19.0	0.936	1.906	12.9	17.6
8 9	18 46.52	−21 56.1	0.971	1.889	18.3	17.9
367306	2007 VX_{325}		7 8.9	108.°39	0.°4/ 8.9	17
5 31	19 44.12	−18 54.8	1.637	2.462	16.9	21.2
6 10	19 39.35	−19 23.4	1.571	2.478	13.3	21.0
6 20	19 31.86	−20 0.6	1.526	2.494	9.1	20.8
6 30	19 22.32	−20 43.2	1.504	2.510	4.4	20.6
7 10	19 11.80	−21 27.2	1.508	2.525	0.6	20.3
7 20	19 1.52	−22 8.5	1.540	2.540	5.3	20.7
7 30	18 52.67	−22 44.7	1.597	2.554	9.6	21.0
8 9	18 46.17	−23 14.5	1.677	2.568	13.4	21.2
280155	2002 PE_{166}		7 8.9	324.°00	0.°5/ 8.7	17
5 31	19 38.70	−22 19.1	1.791	2.625	15.3	21.0
6 10	19 35.16	−22 35.6	1.707	2.620	12.0	20.8
6 20	19 29.09	−22 57.2	1.643	2.615	8.2	20.5
6 30	19 21.06	−23 21.2	1.603	2.610	4.0	20.3
7 10	19 11.96	−23 44.4	1.589	2.605	0.8	20.0
7 20	19 2.88	−24 4.1	1.601	2.600	5.1	20.3
7 30	18 54.97	−24 18.8	1.638	2.596	9.4	20.6
8 9	18 49.14	−24 28.1	1.699	2.592	13.1	20.8
266573	2008 HH_{1}		7 8.9	46.°93	1.°9/ 9.5	17
5 31	19 39.40	−15 24.7	1.551	2.382	17.4	20.4
6 10	19 35.92	−15 46.4	1.476	2.385	13.9	20.1
6 20	19 29.71	−16 20.7	1.421	2.388	9.7	19.9
6 30	19 21.38	−17 5.6	1.389	2.392	5.1	19.6
7 10	19 11.92	−17 57.7	1.381	2.396	1.9	19.4
7 20	19 2.54	−18 52.5	1.399	2.400	5.5	19.7
7 30	18 54.46	−19 46.0	1.443	2.404	10.0	19.9
8 9	18 48.67	−20 35.3	1.508	2.408	14.1	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
182880	2002 CH_{253}		7 8.9	139.°59	0.°1/ 8.9	18
	h m	° ′			°	m
5 31	19 41.32	−22 59.4	2.652	3.459	11.6	20.2
6 10	19 36.08	−22 42.6	2.569	3.467	9.1	20.1
6 20	19 29.09	−22 26.6	2.510	3.475	6.2	19.9
6 30	19 20.84	−22 10.4	2.478	3.483	3.0	19.7
7 10	19 12.01	−21 53.3	2.474	3.490	0.4	19.5
7 20	19 3.36	−21 34.8	2.499	3.497	3.7	19.8
7 30	18 55.61	−21 15.2	2.553	3.504	6.8	20.0
8 9	18 49.35	−20 55.0	2.632	3.510	9.6	20.2
469322	1999 TG_{316}		7 8.9	237.°75	1.°2/ 8.5	18
5 31	19 41.49	−24 25.8	2.252	3.069	13.1	22.9
6 10	19 36.91	−24 46.7	2.153	3.057	10.3	22.7
6 20	19 30.08	−25 10.5	2.076	3.043	7.1	22.4
6 30	19 21.50	−25 34.3	2.025	3.030	3.5	22.2
7 10	19 11.91	−25 55.2	2.001	3.016	1.3	22.0
7 20	19 2.26	−26 10.9	2.005	3.001	4.7	22.2
7 30	18 53.53	−26 20.3	2.037	2.986	8.3	22.4
8 9	18 46.55	−26 23.5	2.093	2.971	11.7	22.6
177596	2004 GS_{47}		7 8.9	193.°03	1.°1/ 8.5	18
5 31	19 40.18	−24 36.5	2.548	3.361	11.9	21.1
6 10	19 35.49	−24 57.0	2.458	3.359	9.3	20.9
6 20	19 28.89	−25 19.6	2.391	3.357	6.4	20.7
6 30	19 20.84	−25 41.7	2.350	3.355	3.1	20.5
7 10	19 12.02	−26 1.1	2.337	3.352	1.2	20.3
7 20	19 3.24	−26 15.7	2.353	3.349	4.1	20.6
7 30	18 55.31	−26 24.8	2.397	3.345	7.3	20.8
8 9	18 48.91	−26 28.4	2.465	3.341	10.2	20.9
17709	1997 WV_{1}		7 8.9	107.°93	0.°1/ 8.8	18
5 31	19 44.68	−22 30.5	1.490	2.326	17.7	18.5
6 10	19 40.14	−22 29.3	1.421	2.334	14.0	18.3
6 20	19 32.59	−22 32.3	1.371	2.342	9.5	18.1
6 30	19 22.74	−22 36.8	1.344	2.350	4.6	17.8
7 10	19 11.79	−22 39.9	1.342	2.358	0.6	17.5
7 20	19 1.12	−22 39.9	1.365	2.366	5.7	17.9
7 30	18 52.06	−22 36.1	1.414	2.373	10.4	18.2
8 9	18 45.62	−22 29.2	1.485	2.380	14.5	18.5
425645	2010 VF_{192}		7 8.9	214.°83	1.°0/ 8.6	17
5 31	19 44.63	−24 18.8	1.950	2.770	14.8	22.4
6 10	19 39.66	−24 30.7	1.858	2.763	11.7	22.2
6 20	19 32.10	−24 45.2	1.787	2.755	8.0	21.9
6 30	19 22.51	−24 59.3	1.741	2.747	3.9	21.7
7 10	19 11.82	−25 10.1	1.722	2.738	1.2	21.4
7 20	19 1.11	−25 15.3	1.731	2.728	5.1	21.7
7 30	18 51.57	−25 14.2	1.766	2.718	9.2	21.9
8 9	18 44.13	−25 7.5	1.825	2.707	12.9	22.1
368120	2013 GM_{116}		7 8.9	12.°21	3.°6/ 7.4	18
5 31	19 39.14	−30 38.4	2.244	3.069	12.9	20.4
6 10	19 35.12	−31 28.3	2.164	3.070	10.2	20.3
6 20	19 28.87	−32 18.0	2.107	3.071	7.3	20.1
6 30	19 20.91	−33 3.1	2.075	3.071	4.6	19.9
7 10	19 12.03	−33 39.5	2.069	3.072	3.8	19.9
7 20	19 3.20	−34 4.3	2.091	3.073	5.9	20.0
7 30	18 55.38	−34 16.5	2.139	3.075	8.8	20.2
8 9	18 49.40	−34 17.3	2.211	3.076	11.6	20.4
83864	2001 UT_{72}		7 8.9	357.°12	0.°5/ 8.6	18
5 31	19 38.35	−20 18.3	2.089	2.912	13.8	19.5
6 10	19 34.51	−21 4.3	2.005	2.912	10.8	19.3
6 20	19 28.47	−21 57.7	1.943	2.912	7.4	19.1
6 30	19 20.73	−22 55.6	1.905	2.912	3.5	18.9
7 10	19 12.05	−23 53.7	1.895	2.912	0.7	18.6
7 20	19 3.36	−24 48.5	1.913	2.912	4.6	18.9
7 30	18 55.62	−25 36.8	1.958	2.912	8.4	19.2
8 9	18 49.64	−26 17.4	2.027	2.912	11.7	19.4
127182	2002 GC_{166}		7 8.9	19.°37	6.°6/ 5.9	18
5 31	19 42.08	−32 46.8	1.638	2.476	16.3	19.0
6 10	19 38.54	−34 29.2	1.568	2.478	13.1	18.8
6 20	19 31.85	−36 12.9	1.520	2.481	9.8	18.6
6 30	19 22.57	−37 48.9	1.495	2.483	7.1	18.5
7 10	19 11.82	−39 8.4	1.496	2.486	6.8	18.5
7 20	19 1.02	−40 5.3	1.522	2.490	9.2	18.6
7 30	18 51.71	−40 38.0	1.572	2.493	12.4	18.8
8 9	18 45.07	−40 48.9	1.642	2.497	15.5	19.0
203288	2001 SX_{42}		7 8.9	228.°27	2.°2/ 9.4	17
5 31	19 42.97	−16 13.5	1.614	2.436	17.2	20.5
6 10	19 38.81	−16 15.7	1.524	2.428	13.8	20.2
6 20	19 31.80	−16 27.9	1.454	2.419	9.7	20.0
6 30	19 22.48	−16 49.3	1.407	2.410	5.2	19.7
7 10	19 11.84	−17 17.5	1.386	2.400	2.2	19.5
7 20	19 1.10	−17 49.5	1.390	2.390	5.8	19.7
7 30	18 51.60	−18 22.6	1.420	2.379	10.4	19.9
8 9	18 44.42	−18 54.5	1.473	2.367	14.7	20.1

278887 2008 TA_{86} 7 8.9 48.°39 8.°9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 46.80	−41 31.2	1.607	2.432	17.2	20.1
6 10	19 42.39	−42 41.4	1.550	2.442	14.3	19.9
6 20	19 34.42	−43 42.0	1.511	2.452	11.5	19.8
6 30	19 23.72	−44 24.3	1.495	2.462	9.4	19.7
7 10	19 11.71	−44 41.4	1.502	2.472	9.0	19.7
7 20	19 0.09	−44 30.8	1.533	2.483	10.6	19.8
7 30	18 50.49	−43 55.0	1.586	2.494	13.1	20.0
8 9	18 44.02	−43 0.1	1.660	2.505	15.8	20.2

188811 2005 WJ_{185} 7 8.9 157.°00 3.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.31	− 9 11.2	2.664	3.447	12.2	20.6
6 10	19 32.22	− 8 55.2	2.578	3.451	10.0	20.5
6 20	19 26.54	− 8 48.2	2.514	3.454	7.5	20.3
6 30	19 19.68	− 8 50.7	2.474	3.457	5.1	20.2
7 10	19 12.24	− 9 2.5	2.462	3.460	3.9	20.1
7 20	19 4.84	− 9 22.5	2.478	3.462	5.0	20.2
7 30	18 58.16	− 9 49.1	2.521	3.465	7.3	20.3
8 9	18 52.75	−10 20.4	2.590	3.467	9.7	20.5

216962 2000 AW_{227} 7 8.9 3.°66 14.°2/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.80	+11 11.5	1.079	1.844	27.3	19.6
6 10	19 36.51	+11 5.2	1.009	1.843	24.5	19.4
6 20	19 30.77	+10 12.6	0.951	1.843	21.2	19.2
6 30	19 22.16	+ 8 24.7	0.908	1.843	17.7	18.9
7 10	19 11.90	+ 5 39.4	0.884	1.844	15.0	18.8
7 20	19 1.54	+ 2 4.8	0.880	1.846	14.3	18.8
7 30	18 52.81	− 2 1.4	0.900	1.848	16.2	18.9
8 9	18 47.06	− 6 16.6	0.941	1.850	19.6	19.1

147794 2005 RO_2 7 8.9 221.°90 2.°3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.68	−30 22.3	2.606	3.416	11.7	20.4
6 10	19 37.44	−30 22.1	2.512	3.410	9.3	20.2
6 20	19 30.19	−30 19.1	2.441	3.404	6.5	20.0
6 30	19 21.47	−30 10.8	2.397	3.397	3.6	19.8
7 10	19 12.02	−29 55.5	2.380	3.390	2.3	19.7
7 20	19 2.68	−29 32.2	2.393	3.383	4.6	19.8
7 30	18 54.29	−29 1.8	2.433	3.376	7.5	20.0
8 9	18 47.55	−28 25.8	2.499	3.369	10.3	20.2

97049 1999 UK_{44} 7 8.9 300.°13 7.°8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.25	−38 5.2	1.751	2.580	15.8	19.1
6 10	19 39.58	−39 22.8	1.668	2.567	13.1	18.9
6 20	19 32.65	−40 36.9	1.606	2.554	10.3	18.7
6 30	19 23.02	−41 39.2	1.566	2.542	8.2	18.6
7 10	19 11.80	−42 22.1	1.550	2.529	8.0	18.5
7 20	19 0.45	−42 40.8	1.560	2.517	9.9	18.6
7 30	18 50.59	−42 34.8	1.592	2.505	12.8	18.8
8 9	18 43.48	−42 7.9	1.645	2.493	15.8	18.9

288887 2004 RZ_{254} 7 8.9 248.°76 4.°7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.69	− 7 39.3	1.947	2.741	15.7	20.7
6 10	19 34.89	− 7 47.8	1.853	2.731	13.0	20.5
6 20	19 28.83	− 8 11.9	1.778	2.722	9.8	20.3
6 30	19 20.97	− 8 52.2	1.726	2.712	6.6	20.1
7 10	19 12.08	− 9 47.1	1.701	2.702	4.7	19.9
7 20	19 3.07	−10 53.8	1.702	2.692	6.1	20.0
7 30	18 54.96	−12 7.9	1.729	2.681	9.4	20.2
8 9	18 48.62	−13 24.8	1.781	2.671	12.8	20.3

160562 1998 SO_{74} 7 8.9 292.°77 3.°2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.04	−13 37.5	1.903	2.718	15.2	19.9
6 10	19 34.64	−13 30.4	1.793	2.690	12.4	19.7
6 20	19 28.85	−13 33.3	1.703	2.662	9.0	19.4
6 30	19 21.07	−13 46.4	1.637	2.634	5.4	19.1
7 10	19 12.06	−14 9.1	1.596	2.606	3.2	18.9
7 20	19 2.77	−14 39.4	1.582	2.578	5.7	19.0
7 30	18 54.32	−15 15.0	1.593	2.550	9.7	19.2
8 9	18 47.69	−15 53.3	1.628	2.522	13.6	19.3

348365 2005 EJ_{259} 7 8.9 263.°89 2.°9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.56	−29 6.0	2.036	2.862	14.0	21.1
6 10	19 37.27	−29 31.5	1.946	2.853	11.1	20.9
6 20	19 30.49	−29 57.0	1.877	2.844	7.8	20.7
6 30	19 21.77	−30 18.4	1.833	2.835	4.4	20.5
7 10	19 11.99	−30 32.1	1.816	2.826	3.0	20.4
7 20	19 2.22	−30 35.8	1.826	2.816	5.7	20.5
7 30	18 53.57	−30 29.0	1.861	2.807	9.3	20.7
8 9	18 46.96	−30 13.1	1.920	2.797	12.6	20.9

64059 2001 SB_{261} 7 8.9 108.°92 2.°4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.87	−15 21.9	1.968	2.775	15.1	19.8
6 10	19 37.79	−15 16.0	1.900	2.794	12.0	19.7
6 20	19 30.51	−15 18.2	1.854	2.814	8.4	19.5
6 30	19 21.63	−15 27.7	1.833	2.833	4.7	19.3
7 10	19 12.03	−15 42.8	1.839	2.851	2.4	19.2
7 20	19 2.67	−16 1.9	1.872	2.868	4.9	19.4
7 30	18 54.50	−16 23.0	1.932	2.886	8.4	19.6
8 9	18 48.23	−16 44.6	2.016	2.902	11.7	19.8

424843 2008 UV_{275} 7 8.9 100.°11 0.°2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.10	−21 4.6	1.911	2.735	14.9	21.5
6 10	19 36.68	−21 12.1	1.837	2.744	11.7	21.3
6 20	19 29.92	−21 24.3	1.785	2.753	7.9	21.1
6 30	19 21.41	−21 39.1	1.756	2.762	3.8	20.9
7 10	19 12.06	−21 54.1	1.755	2.771	0.5	20.6
7 20	19 2.88	−22 7.3	1.780	2.780	4.7	21.0
7 30	18 54.88	−22 17.5	1.832	2.789	8.6	21.2
8 9	18 48.87	−22 24.4	1.908	2.797	12.1	21.5

216264 2006 WU_{44} 7 8.9 313.°78 5.°6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.40	− 7 58.2	2.030	2.826	15.1	20.7
6 10	19 32.91	− 7 19.1	1.941	2.819	12.5	20.5
6 20	19 27.35	− 6 51.2	1.872	2.811	9.7	20.3
6 30	19 20.20	− 6 36.3	1.826	2.804	7.0	20.2
7 10	19 12.21	− 6 35.2	1.805	2.797	5.6	20.1
7 20	19 4.21	− 6 47.6	1.810	2.791	6.8	20.1
7 30	18 57.10	− 7 11.7	1.841	2.784	9.5	20.3
8 9	18 51.64	− 7 44.7	1.895	2.778	12.5	20.4

341138 2007 OX_{10} 7 8.9 328.°66 3.°6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.46	−12 11.7	1.665	2.489	16.7	20.3
6 10	19 33.51	−12 12.5	1.580	2.481	13.6	20.0
6 20	19 28.07	−12 26.5	1.513	2.473	9.9	19.8
6 30	19 20.66	−12 54.0	1.469	2.467	6.0	19.6
7 10	19 12.14	−13 33.1	1.450	2.460	3.6	19.4
7 20	19 3.58	−14 20.9	1.457	2.454	5.9	19.5
7 30	18 56.12	−15 13.8	1.488	2.448	9.9	19.7
8 9	18 50.69	−16 7.8	1.541	2.443	13.7	20.0

329758 2004 ET_{28} 7 8.9 33.°09 1.°4/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.04	−18 26.6	1.290	2.140	19.1	21.9
6 10	19 36.04	−18 28.7	1.229	2.150	15.1	21.6
6 20	19 29.97	−18 40.4	1.186	2.160	10.4	21.4
6 30	19 21.56	−18 59.8	1.165	2.171	5.3	21.1
7 10	19 12.04	−19 23.8	1.167	2.183	1.5	20.9
7 20	19 2.80	−19 49.1	1.193	2.195	6.0	21.3
7 30	18 55.21	−20 13.2	1.243	2.208	10.9	21.6
8 9	18 50.28	−20 34.4	1.313	2.222	15.1	21.9

441424 2008 GE_{84} 7 8.9 148.°11 0.°5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.39	−22 20.9	2.539	3.353	11.9	21.9
6 10	19 34.08	−22 46.3	2.456	3.358	9.3	21.7
6 20	19 27.93	−23 15.4	2.395	3.362	6.3	21.5
6 30	19 20.41	−23 45.8	2.360	3.366	3.0	21.3
7 10	19 12.19	−24 15.1	2.354	3.370	0.7	21.1
7 20	19 4.03	−24 41.1	2.376	3.374	3.9	21.4
7 30	18 56.69	−25 2.6	2.426	3.377	7.1	21.6
8 9	18 50.83	−25 19.0	2.501	3.380	10.0	21.8

309780 2008 YU_{140} 7 8.9 106.°64 1.°7/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.26	−18 2.0	1.478	2.308	18.1	21.4
6 10	19 39.74	−17 55.9	1.411	2.320	14.4	21.2
6 20	19 32.28	−17 58.1	1.363	2.331	10.0	21.0
6 30	19 22.62	−18 7.1	1.339	2.343	5.1	20.7
7 10	19 11.91	−18 20.5	1.339	2.354	1.8	20.5
7 20	19 1.47	−18 36.0	1.364	2.365	5.8	20.8
7 30	18 52.60	−18 51.8	1.415	2.375	10.4	21.1
8 9	18 46.26	−19 6.7	1.488	2.385	14.4	21.4

57156 2001 QM_{10} 7 8.9 268.°11 1.°0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.40	−23 48.0	1.808	2.637	15.4	19.9
6 10	19 38.31	−24 2.3	1.708	2.618	12.2	19.7
6 20	19 31.47	−24 20.4	1.628	2.598	8.4	19.4
6 30	19 22.37	−24 39.5	1.571	2.578	4.2	19.1
7 10	19 11.93	−24 56.1	1.541	2.557	1.2	18.9
7 20	19 1.32	−25 7.5	1.538	2.536	5.5	19.1
7 30	18 51.80	−25 12.3	1.560	2.515	10.0	19.3
8 9	18 44.48	−25 10.9	1.605	2.494	14.0	19.5

190579 2000 SB_{287} 7 8.9 211.°26 2.°5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 45.22	−29 39.7	2.408	3.217	12.6	21.0
6 10	19 39.67	−29 53.2	2.312	3.210	10.0	20.8
6 20	19 31.88	−30 5.2	2.239	3.202	7.0	20.6
6 30	19 22.37	−30 12.3	2.193	3.193	3.9	20.4
7 10	19 11.96	−30 11.9	2.174	3.183	2.6	20.3
7 20	19 1.59	−30 2.3	2.184	3.173	5.0	20.4
7 30	18 52.24	−29 43.9	2.221	3.163	8.2	20.6
8 9	18 44.72	−29 18.2	2.284	3.151	11.2	20.8

494385 2016 UV_{47} 7 8.9 62.°52 3.°7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.47	−12 50.2	2.099	2.904	14.3	20.9
6 10	19 34.27	−12 15.8	2.026	2.916	11.6	20.8
6 20	19 28.10	−11 49.3	1.975	2.927	8.4	20.6
6 30	19 20.49	−11 31.7	1.947	2.939	5.4	20.4
7 10	19 12.22	−11 22.9	1.947	2.951	3.7	20.3
7 20	19 4.12	−11 22.3	1.973	2.963	5.4	20.5
7 30	18 57.03	−11 28.9	2.025	2.975	8.4	20.7
8 9	18 51.62	−11 40.8	2.102	2.987	11.3	20.9

6250 Saekohayashi 7 8.9 114.°56 16.°7/10.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 45.34	+ 4 39.1	1.201	1.974	24.6	17.2
6 10	19 41.06	+ 7 19.8	1.147	1.982	22.1	17.0
6 20	19 33.47	+ 9 36.9	1.107	1.990	19.5	16.9
6 30	19 23.32	+11 19.0	1.086	1.998	17.6	16.8
7 10	19 11.86	+12 17.6	1.083	2.005	16.7	16.8
7 20	19 0.61	+12 29.8	1.100	2.012	17.3	16.8
7 30	18 51.08	+11 59.0	1.135	2.019	19.0	17.0
8 9	18 44.41	+10 54.4	1.186	2.025	21.2	17.1

471102 2010 BO_2 7 8.9 209.°46 0.°1/ 8.9 17

5 31	19 40.47	−19 49.5	1.953	2.775	14.7	21.4
6 10	19 36.34	−20 15.3	1.866	2.772	11.6	21.2
6 20	19 29.83	−20 48.3	1.801	2.769	7.9	20.9
6 30	19 21.47	−21 25.9	1.760	2.766	3.9	20.7
7 10	19 12.09	−22 4.9	1.746	2.763	0.5	20.4
7 20	19 2.71	−22 42.0	1.760	2.759	4.8	20.7
7 30	18 54.36	−23 15.0	1.800	2.756	8.8	21.0
8 9	18 47.95	−23 42.5	1.864	2.752	12.4	21.2

480754 2016 NV_{40} 7 8.9 304.°61 4.°5/10.3 16

5 31	19 37.01	−10 34.9	1.658	2.476	17.0	21.1
6 10	19 34.02	−10 28.6	1.567	2.463	13.9	20.8
6 20	19 28.49	−10 36.4	1.495	2.450	10.4	20.6
6 30	19 20.92	−10 59.3	1.445	2.438	6.7	20.3
7 10	19 12.16	−11 36.3	1.419	2.426	4.5	20.2
7 20	19 3.27	−12 24.8	1.419	2.413	6.5	20.3
7 30	18 55.44	−13 21.0	1.443	2.402	10.3	20.5
8 9	18 49.65	−14 20.6	1.490	2.390	14.2	20.7

466060 2011 TN_3 7 8.9 191.°44 1.°8/ 8.3 17

5 31	19 46.23	−24 14.1	1.799	2.621	15.7	22.4
6 10	19 41.20	−24 54.3	1.714	2.620	12.4	22.2
6 20	19 33.35	−25 39.6	1.650	2.618	8.5	22.0
6 30	19 23.24	−26 25.4	1.610	2.615	4.3	21.7
7 10	19 11.88	−27 6.9	1.598	2.612	2.0	21.5
7 20	19 0.49	−27 40.1	1.612	2.608	5.7	21.8
7 30	18 50.38	−28 3.0	1.653	2.602	10.0	22.0
8 9	18 42.59	−28 16.0	1.718	2.597	13.7	22.2

508315 2015 KK_{138} 7 8.9 68.°82 5.°4/ 9.9 17

5 31	19 41.09	−10 39.3	1.814	2.618	16.3	21.0
6 10	19 36.54	− 9 42.3	1.749	2.634	13.3	20.8
6 20	19 29.72	− 8 55.2	1.704	2.650	10.0	20.6
6 30	19 21.29	− 8 20.3	1.682	2.666	6.9	20.5
7 10	19 12.14	− 7 58.4	1.686	2.683	5.4	20.4
7 20	19 3.26	− 7 49.5	1.716	2.699	6.8	20.5
7 30	18 55.59	− 7 52.4	1.771	2.715	9.8	20.7
8 9	18 49.87	− 8 4.6	1.850	2.732	12.8	21.0

6860 Sims 7 8.9 122.°97 0.°4/ 9.1 18

5 31	19 38.38	−19 54.3	2.515	3.326	12.1	18.6
6 10	19 34.00	−20 4.8	2.435	3.335	9.5	18.5
6 20	19 27.84	−20 19.6	2.378	3.343	6.5	18.3
6 30	19 20.36	−20 37.2	2.347	3.352	3.2	18.1
7 10	19 12.25	−20 55.7	2.343	3.360	0.6	17.9
7 20	19 4.24	−21 13.7	2.369	3.368	3.8	18.2
7 30	18 57.08	−21 29.7	2.421	3.375	7.0	18.4
8 9	18 51.38	−21 43.3	2.500	3.383	9.8	18.6

150073 2006 SK_{181} 7 8.9 110.°03 0.°5/ 9.0 17

5 31	19 43.70	−20 12.3	1.658	2.485	16.6	20.4
6 10	19 39.04	−20 19.1	1.589	2.497	13.1	20.2
6 20	19 31.70	−20 32.1	1.540	2.509	8.9	19.9
6 30	19 22.33	−20 48.9	1.515	2.520	4.4	19.7
7 10	19 12.01	−21 6.8	1.515	2.532	0.7	19.4
7 20	19 1.91	−21 23.3	1.543	2.543	5.2	19.8
7 30	18 53.24	−21 36.8	1.596	2.553	9.6	20.1
8 9	18 46.87	−21 47.1	1.671	2.564	13.4	20.3

397414 2006 YK_{27} 7 8.9 53.°32 1.°6/ 8.1 16

5 31	19 39.14	−22 14.3	2.056	2.881	13.9	20.8
6 10	19 35.14	−23 22.7	1.985	2.893	10.9	20.6
6 20	19 28.92	−24 37.6	1.937	2.906	7.3	20.4
6 30	19 20.99	−25 54.6	1.914	2.919	3.6	20.2
7 10	19 12.17	−27 8.6	1.919	2.933	1.8	20.1
7 20	19 3.42	−28 14.9	1.952	2.946	5.0	20.3
7 30	18 55.70	−29 10.7	2.012	2.960	8.5	20.6
8 9	18 49.82	−29 55.2	2.096	2.974	11.6	20.8

361575 2007 RO_{143} 7 8.9 328.°70 7.°3/10.2 17

5 31	19 32.40	−10 49.9	1.052	1.913	21.8	19.8
6 10	19 31.73	− 9 57.4	0.971	1.892	18.2	19.5
6 20	19 27.72	− 9 19.6	0.906	1.872	13.9	19.1
6 30	19 20.82	− 9 1.2	0.858	1.853	9.6	18.8
7 10	19 12.16	− 9 4.8	0.831	1.835	7.3	18.6
7 20	19 3.25	− 9 30.3	0.823	1.819	9.6	18.7
7 30	18 55.82	−10 14.2	0.835	1.804	14.3	18.9
8 9	18 51.32	−11 10.5	0.865	1.790	19.2	19.1

38374 1999 RY_{172} 7 8.9 107.°43 9.°1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.77	+ 4 2.8	1.911	2.655	17.6	18.0
6 10	19 34.07	+ 4 14.8	1.829	2.656	15.3	17.9
6 20	19 28.20	+ 4 4.3	1.765	2.657	12.9	17.7
6 30	19 20.66	+ 3 28.2	1.721	2.658	10.6	17.6
7 10	19 12.22	+ 2 26.1	1.701	2.659	9.2	17.5
7 20	19 3.78	+ 1 0.7	1.706	2.659	9.4	17.5
7 30	18 56.31	− 0 43.0	1.736	2.660	11.2	17.6
8 9	18 50.60	− 2 37.6	1.789	2.661	13.6	17.8

436221 2010 AZ_{11} 7 8.9 137.°21 1.°0/ 9.2 18

5 31	19 42.07	−18 47.6	2.251	3.059	13.4	22.1
6 10	19 37.02	−18 47.2	2.174	3.071	10.6	21.9
6 20	19 29.95	−18 51.9	2.119	3.082	7.3	21.7
6 30	19 21.39	−19 0.2	2.089	3.093	3.7	21.5
7 10	19 12.14	−19 10.6	2.088	3.103	1.1	21.3
7 20	19 3.03	−19 21.6	2.115	3.113	4.2	21.6
7 30	18 54.94	−19 32.1	2.169	3.122	7.7	21.8
8 9	18 48.55	−19 41.4	2.248	3.131	10.8	22.0

250925 2005 WN_{72} 7 8.9 303.°08 8.°6/11.1 18

5 31	19 35.49	+ 0 1.2	2.143	2.904	15.4	20.0
6 10	19 32.14	+ 1 1.6	2.049	2.889	13.4	19.8
6 20	19 26.84	+ 1 47.9	1.974	2.875	11.3	19.7
6 30	19 20.00	+ 2 16.3	1.921	2.861	9.5	19.5
7 10	19 12.30	+ 2 24.7	1.892	2.847	8.6	19.4
7 20	19 4.53	+ 2 12.3	1.887	2.834	9.2	19.5
7 30	18 57.53	+ 1 40.8	1.907	2.820	10.9	19.5
8 9	18 52.05	+ 0 53.7	1.948	2.807	13.2	19.7

87212 2000 OQ_{36} 7 8.9 321.°94 4.°0/ 9.4 17

5 31	19 37.50	−16 5.7	1.411	2.254	18.2	19.1
6 10	19 34.90	−15 18.5	1.322	2.235	14.8	18.8
6 20	19 29.37	−14 37.6	1.250	2.218	10.7	18.5
6 30	19 21.43	−14 4.7	1.200	2.201	6.4	18.2
7 10	19 12.11	−13 40.6	1.174	2.184	4.0	18.0
7 20	19 2.68	−13 25.8	1.171	2.169	7.0	18.1
7 30	18 54.55	−13 19.9	1.192	2.154	11.6	18.4
8 9	18 48.86	−13 21.6	1.233	2.140	16.0	18.6

404973 1999 UF_{57} 7 8.9 52.°95 4.°6/10.2 18

5 31	19 36.78	− 9 25.9	2.316	3.107	13.6	21.4
6 10	19 32.85	− 8 51.5	2.232	3.110	11.1	21.2
6 20	19 27.12	− 8 26.3	2.170	3.112	8.4	21.0
6 30	19 20.05	− 8 11.6	2.132	3.114	5.9	20.9
7 10	19 12.31	− 8 7.6	2.121	3.117	4.6	20.8
7 20	19 4.64	− 8 14.0	2.136	3.119	5.8	20.9
7 30	18 57.80	− 8 29.3	2.178	3.121	8.3	21.0
8 9	18 52.43	− 8 51.3	2.244	3.124	10.9	21.2

295280 2008 GG_{93} 7 8.9 106.°99 0.°0/ 8.9 17

5 31	19 42.24	−19 47.4	1.644	2.474	16.6	20.9
6 10	19 38.03	−20 15.4	1.573	2.483	13.1	20.7
6 20	19 31.11	−20 51.6	1.521	2.491	8.9	20.5
6 30	19 22.11	−21 32.7	1.494	2.500	4.3	20.2
7 10	19 12.06	−22 14.7	1.492	2.508	0.5	20.0
7 20	19 2.14	−22 53.8	1.516	2.517	5.3	20.3
7 30	18 53.59	−23 27.4	1.567	2.525	9.7	20.6
8 9	18 47.33	−23 54.6	1.640	2.532	13.5	20.9

510098 2010 PZ_{40} 7 8.9 12.°05 4.°8/ 8.0 18

5 31	19 43.73	−36 36.2	2.180	2.996	13.5	20.9
6 10	19 38.77	−36 49.5	2.101	2.997	11.0	20.7
6 20	19 31.36	−36 56.4	2.044	2.998	8.1	20.5
6 30	19 22.13	−36 52.6	2.012	2.999	5.6	20.4
7 10	19 12.07	−36 35.2	2.005	3.001	4.8	20.3
7 20	19 2.26	−36 3.3	2.026	3.003	6.5	20.4
7 30	18 53.77	−35 18.4	2.073	3.005	9.3	20.6
8 9	18 47.40	−34 24.0	2.143	3.007	12.0	20.8

393268 2013 WA_{53} 7 8.9 297.°61 10.°2/ 4.4 17

5 31	19 47.11	−42 41.6	1.706	2.524	16.6	20.3
6 10	19 43.11	−44 36.8	1.638	2.521	14.1	20.1
6 20	19 35.38	−46 25.7	1.590	2.518	11.8	19.9
6 30	19 24.50	−47 57.4	1.565	2.516	10.4	19.8
7 10	19 11.75	−49 2.3	1.563	2.513	10.5	19.8
7 20	18 58.86	−49 35.1	1.585	2.510	12.1	19.9
7 30	18 47.75	−49 36.0	1.629	2.507	14.5	20.1
8 9	18 39.87	−49 10.3	1.692	2.505	16.9	20.2

201562 2003 SF_{13} 7 8.9 350.°93 2.°1/ 9.5 17

5 31	19 36.36	−16 32.2	1.491	2.332	17.5	20.0
6 10	19 33.74	−16 32.8	1.413	2.327	13.9	19.8
6 20	19 28.39	−16 43.8	1.353	2.323	9.8	19.5
6 30	19 20.89	−17 4.3	1.316	2.320	5.3	19.3
7 10	19 12.22	−17 32.1	1.303	2.318	2.1	19.0
7 20	19 3.60	−18 4.1	1.315	2.316	5.7	19.3
7 30	18 56.25	−18 37.4	1.350	2.315	10.3	19.5
8 9	18 51.20	−19 9.4	1.407	2.314	14.4	19.8

33725 Robertkent 7 8.9 9.°84 0.°6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.55	−25 3.4	2.021	2.847	14.1	18.7
6 10	19 36.23	−24 51.1	1.939	2.848	11.1	18.5
6 20	19 29.62	−24 39.2	1.879	2.849	7.5	18.3
6 30	19 21.32	−24 25.7	1.844	2.850	3.7	18.0
7 10	19 12.19	−24 9.3	1.835	2.851	0.8	17.8
7 20	19 3.23	−23 49.3	1.854	2.853	4.6	18.1
7 30	18 55.42	−23 26.1	1.899	2.854	8.4	18.4
8 9	18 49.53	−23 0.8	1.968	2.857	11.8	18.6

136469 2005 FM_2 7 8.9 26.°33 0.°3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.77	−20 59.4	1.835	2.665	15.1	19.6
6 10	19 35.12	−21 25.6	1.757	2.668	11.9	19.4
6 20	19 29.05	−21 58.3	1.699	2.670	8.1	19.2
6 30	19 21.12	−22 34.5	1.666	2.673	3.9	18.9
7 10	19 12.21	−23 10.9	1.659	2.676	0.6	18.6
7 20	19 3.38	−23 44.3	1.679	2.679	4.9	19.0
7 30	18 55.69	−24 12.5	1.725	2.682	9.0	19.2
8 9	18 50.00	−24 34.6	1.793	2.686	12.6	19.5

222502 2001 TK_5 7 8.9 252.°69 3.°3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.75	−27 46.1	1.782	2.614	15.4	20.4
6 10	19 38.69	−28 32.6	1.694	2.604	12.3	20.2
6 20	19 31.78	−29 22.1	1.626	2.594	8.6	19.9
6 30	19 22.57	−30 9.4	1.582	2.584	4.9	19.7
7 10	19 12.03	−30 49.2	1.564	2.574	3.4	19.6
7 20	19 1.40	−31 17.2	1.573	2.563	6.5	19.7
7 30	18 52.00	−31 31.8	1.607	2.552	10.5	19.9
8 9	18 44.92	−31 34.1	1.663	2.542	14.1	20.1

326118 2011 UR_{379} 7 8.9 273.°82 1.°2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.60	−16 26.1	2.209	3.023	13.5	20.7
6 10	19 33.87	−16 51.4	2.111	3.011	10.7	20.5
6 20	19 28.08	−17 25.7	2.035	2.998	7.5	20.3
6 30	19 20.65	−18 7.4	1.983	2.986	3.9	20.0
7 10	19 12.28	−18 54.0	1.959	2.974	1.2	19.8
7 20	19 3.81	−19 42.4	1.962	2.961	4.4	20.0
7 30	18 56.14	−20 29.9	1.993	2.949	8.0	20.2
8 9	18 50.07	−21 14.3	2.048	2.937	11.4	20.4

307160 2002 DR_2 7 8.9 78.°33 3.°0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.66	−27 19.0	2.406	3.217	12.5	19.9
6 10	19 38.32	−28 40.8	2.348	3.247	9.8	19.8
6 20	19 30.89	−30 4.1	2.314	3.277	6.8	19.6
6 30	19 21.91	−31 23.8	2.308	3.306	4.0	19.5
7 10	19 12.17	−32 35.0	2.330	3.335	3.2	19.5
7 20	19 2.57	−33 34.0	2.382	3.364	5.3	19.7
7 30	18 54.01	−34 19.3	2.462	3.392	8.1	19.9
8 9	18 47.20	−34 51.5	2.567	3.420	10.6	20.1

97625 2000 EC_{121} 7 8.9 29.°12 1.°7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.00	−24 57.1	1.882	2.714	14.7	19.7
6 10	19 36.11	−25 28.3	1.803	2.715	11.6	19.5
6 20	19 29.75	−26 2.9	1.746	2.717	7.9	19.2
6 30	19 21.49	−26 37.3	1.713	2.718	4.0	19.0
7 10	19 12.23	−27 7.6	1.706	2.720	1.9	18.9
7 20	19 3.04	−27 30.8	1.726	2.722	5.3	19.1
7 30	18 55.03	−27 45.6	1.771	2.724	9.2	19.3
8 9	18 49.07	−27 52.2	1.840	2.726	12.6	19.6

469675 2004 XB_{33} 7 8.9 201.°69 2.°9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.80	−14 29.2	2.446	3.239	12.9	22.1
6 10	19 36.75	−13 59.8	2.351	3.235	10.4	21.9
6 20	19 29.80	−13 36.0	2.277	3.230	7.5	21.7
6 30	19 21.40	−13 18.1	2.230	3.224	4.5	21.5
7 10	19 12.25	−13 6.1	2.211	3.218	2.9	21.4
7 20	19 3.13	−12 59.5	2.220	3.211	4.8	21.5
7 30	18 54.84	−12 58.0	2.257	3.204	7.8	21.6
8 9	18 48.08	−13 0.6	2.319	3.196	10.7	21.8

275321 2010 UX_{54} 7 8.9 338.°89 6.°9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.62	−31 16.3	1.078	1.955	20.2	20.1
6 10	19 34.87	−32 26.0	1.006	1.940	16.3	19.8
6 20	19 30.21	−33 38.4	0.951	1.927	12.0	19.5
6 30	19 22.17	−34 44.3	0.915	1.915	8.0	19.3
7 10	19 12.13	−35 33.8	0.900	1.904	7.1	19.2
7 20	19 1.97	−35 59.4	0.906	1.894	10.4	19.3
7 30	18 53.78	−35 59.4	0.932	1.886	15.0	19.6
8 9	18 49.13	−35 37.3	0.975	1.879	19.5	19.8

439472 2013 YJ_{74} 7 8.9 173.°28 4.°2/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.43	−10 28.3	2.393	3.176	13.4	22.3
6 10	19 36.43	− 9 54.5	2.306	3.180	11.0	22.1
6 20	19 29.55	− 9 28.9	2.241	3.183	8.2	21.9
6 30	19 21.27	− 9 12.5	2.201	3.185	5.5	21.8
7 10	19 12.29	− 9 5.5	2.188	3.186	4.2	21.7
7 20	19 3.38	− 9 7.4	2.203	3.187	5.5	21.8
7 30	18 55.33	− 9 17.3	2.246	3.187	8.2	21.9
8 9	18 48.81	− 9 33.4	2.314	3.187	10.9	22.1

196667 2003 SN_{50} 7 8.9 173.°75 0.°5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.84	−23 38.7	1.911	2.737	14.8	20.3
6 10	19 37.43	−23 37.6	1.829	2.737	11.6	20.1
6 20	19 30.57	−23 38.7	1.768	2.737	8.0	19.9
6 30	19 21.86	−23 40.0	1.732	2.738	3.8	19.6
7 10	19 12.22	−23 39.1	1.722	2.738	0.7	19.4
7 20	19 2.69	−23 34.7	1.739	2.738	4.8	19.7
7 30	18 54.36	−23 26.4	1.782	2.738	8.9	19.9
8 9	18 48.08	−23 15.0	1.849	2.738	12.4	20.2

21096 1992 EZ_{11} 7 8.9 329.°69 1.°8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.35	−16 28.7	1.586	2.423	16.8	17.5
6 10	19 33.69	−16 39.7	1.499	2.412	13.4	17.3
6 20	19 28.39	−17 1.7	1.432	2.401	9.4	17.0
6 30	19 20.96	−17 33.4	1.387	2.392	5.0	16.7
7 10	19 12.31	−18 12.2	1.367	2.382	1.8	16.5
7 20	19 3.59	−18 54.5	1.372	2.373	5.5	16.7
7 30	18 56.02	−19 37.1	1.401	2.365	10.1	17.0
8 9	18 50.63	−20 17.2	1.453	2.358	14.2	17.2

311539 2005 YL_{173} 7 8.9 220.°92 4.°2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 40.69	−32 56.4	2.635	3.448	11.5	20.8
6 10	19 36.22	−34 3.9	2.547	3.443	9.3	20.6
6 20	19 29.65	−35 10.9	2.483	3.438	6.8	20.5
6 30	19 21.43	−36 12.7	2.446	3.434	4.8	20.3
7 10	19 12.26	−37 4.9	2.436	3.428	4.4	20.3
7 20	19 3.01	−37 44.2	2.454	3.423	6.1	20.4
7 30	18 54.58	−38 9.5	2.499	3.418	8.5	20.5
8 9	18 47.78	−38 21.4	2.569	3.412	10.9	20.7

479487 2014 AH_{28} 7 8.9 212.°79 0.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.05	−22 46.6	2.084	2.903	14.0	21.9
6 10	19 37.42	−22 44.1	1.995	2.899	11.0	21.7
6 20	19 30.50	−22 44.1	1.928	2.895	7.5	21.5
6 30	19 21.82	−22 44.7	1.885	2.891	3.6	21.2
7 10	19 12.24	−22 44.1	1.870	2.886	0.5	21.0
7 20	19 2.72	−22 41.0	1.882	2.881	4.6	21.3
7 30	18 54.26	−22 34.9	1.922	2.876	8.4	21.5
8 9	18 47.67	−22 26.1	1.985	2.871	11.9	21.7

19875 Guedes 7 8.9 52.°13 8.°8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 47.01	−40 58.4	1.595	2.421	17.2	18.3
6 10	19 42.56	−42 10.5	1.541	2.435	14.3	18.2
6 20	19 34.58	−43 13.4	1.507	2.449	11.4	18.0
6 30	19 23.91	−43 58.2	1.495	2.463	9.3	17.9
7 10	19 12.00	−44 18.0	1.506	2.477	8.9	18.0
7 20	19 0.50	−44 10.7	1.541	2.492	10.4	18.1
7 30	18 51.03	−43 38.5	1.598	2.507	13.0	18.3
8 9	18 44.65	−42 47.4	1.676	2.522	15.6	18.5

38823 2000 RN_{87} 7 8.9 223.°64 0.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.81	−20 56.6	2.448	3.261	12.3	20.4
6 10	19 34.55	−21 4.2	2.355	3.256	9.7	20.3
6 20	19 28.38	−21 15.5	2.285	3.251	6.6	20.1
6 30	19 20.76	−21 29.2	2.240	3.245	3.2	19.8
7 10	19 12.38	−21 43.3	2.223	3.239	0.4	19.6
7 20	19 4.00	−21 56.3	2.234	3.233	4.0	19.9
7 30	18 56.45	−22 7.0	2.273	3.227	7.3	20.1
8 9	18 50.41	−22 15.0	2.337	3.221	10.4	20.2

309607 2008 BV_{34} 7 8.9 289.°63 3.°2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.47	−30 48.9	2.109	2.934	13.6	20.6
6 10	19 37.19	−31 6.2	2.017	2.922	10.9	20.4
6 20	19 30.48	−31 21.6	1.946	2.910	7.7	20.2
6 30	19 21.87	−31 31.3	1.899	2.899	4.5	20.0
7 10	19 12.25	−31 32.0	1.879	2.887	3.3	19.9
7 20	19 2.65	−31 22.1	1.886	2.876	5.7	20.0
7 30	18 54.16	−31 1.6	1.920	2.864	9.1	20.2
8 9	18 47.66	−30 32.4	1.977	2.853	12.3	20.4

31294 1998 FJ_{71} 7 8.9 225.°44 4.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.33	−34 38.3	2.357	3.172	12.7	18.9
6 10	19 37.67	−35 17.7	2.272	3.168	10.2	18.7
6 20	19 30.69	−35 53.9	2.209	3.164	7.5	18.6
6 30	19 21.93	−36 22.4	2.172	3.160	5.2	18.4
7 10	19 12.24	−36 39.2	2.161	3.156	4.6	18.4
7 20	19 2.61	−36 42.3	2.177	3.151	6.4	18.5
7 30	18 54.04	−36 31.5	2.220	3.146	9.0	18.6
8 9	18 47.37	−36 9.0	2.286	3.142	11.7	18.8

385558 2004 TU_{80} 7 8.9 266.°54 0.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.09	−21 23.7	1.881	2.706	15.0	22.0
6 10	19 37.07	−21 27.5	1.785	2.692	11.9	21.7
6 20	19 30.52	−21 35.9	1.709	2.678	8.2	21.5
6 30	19 21.95	−21 47.1	1.657	2.663	4.0	21.2
7 10	19 12.23	−21 58.6	1.632	2.648	0.5	20.9
7 20	19 2.42	−22 8.4	1.633	2.633	5.0	21.2
7 30	18 53.67	−22 15.2	1.661	2.618	9.3	21.4
8 9	18 46.94	−22 18.7	1.712	2.603	13.2	21.6

286927 2002 PA_{113} 7 8.9 341.°20 11.°1/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 30.62	+ 1 18.6	1.374	2.176	20.7	19.8
6 10	19 29.45	+ 2 4.2	1.291	2.159	18.2	19.6
6 20	19 25.66	+ 2 25.4	1.223	2.143	15.4	19.3
6 30	19 19.71	+ 2 16.1	1.174	2.128	12.8	19.1
7 10	19 12.50	+ 1 33.3	1.145	2.115	11.2	19.0
7 20	19 5.15	+ 0 18.1	1.137	2.103	11.6	19.0
7 30	18 58.91	− 1 24.0	1.150	2.093	13.9	19.1
8 9	18 54.88	− 3 23.9	1.183	2.084	17.0	19.3

134713 1999 XC_{251} 7 8.9 18.°42 1.°1/ 8.7 17

5 31	19 39.48	−24 3.4	1.216	2.076	19.4	19.4
6 10	19 36.80	−24 8.6	1.153	2.081	15.3	19.1
6 20	19 30.76	−24 17.8	1.108	2.086	10.5	18.9
6 30	19 22.12	−24 27.6	1.085	2.093	5.1	18.6
7 10	19 12.23	−24 34.3	1.084	2.100	1.3	18.4
7 20	19 2.62	−24 35.3	1.106	2.108	6.4	18.7
7 30	18 54.84	−24 30.1	1.151	2.117	11.5	19.0
8 9	18 49.95	−24 19.7	1.217	2.127	16.0	19.3

353535 2011 SY_{166} 7 8.9 305.°95 0.°2/ 8.9 18

5 31	19 38.24	−20 25.7	1.926	2.754	14.6	21.2
6 10	19 34.70	−20 41.2	1.836	2.746	11.5	21.0
6 20	19 28.82	−21 3.0	1.768	2.737	7.9	20.8
6 30	19 21.09	−21 28.8	1.723	2.730	3.9	20.5
7 10	19 12.35	−21 56.0	1.705	2.722	0.5	20.2
7 20	19 3.57	−22 21.9	1.714	2.714	4.8	20.5
7 30	18 55.82	−22 44.5	1.748	2.707	8.8	20.8
8 9	18 49.96	−23 3.0	1.806	2.700	12.5	21.0

313130 2001 BN_3 7 8.9 206.°58 1.°3/ 9.4 18

5 31	19 38.04	−17 30.9	3.078	3.874	10.4	21.9
6 10	19 33.48	−17 25.2	2.979	3.868	8.3	21.8
6 20	19 27.42	−17 23.4	2.903	3.862	5.8	21.6
6 30	19 20.24	−17 25.0	2.854	3.855	3.1	21.4
7 10	19 12.47	−17 29.2	2.834	3.848	1.3	21.3
7 20	19 4.71	−17 35.1	2.843	3.840	3.4	21.4
7 30	18 57.58	−17 41.9	2.881	3.832	6.1	21.6
8 9	18 51.62	−17 49.1	2.945	3.823	8.7	21.7

188877 2006 VM_{44} 7 8.9 132.°63 1.°7/ 8.0 18

5 31	19 39.98	−24 54.4	2.693	3.504	11.4	20.6
6 10	19 35.31	−25 46.8	2.614	3.514	8.9	20.4
6 20	19 28.82	−26 42.2	2.559	3.524	6.1	20.2
6 30	19 20.96	−27 37.1	2.530	3.534	3.1	20.1
7 10	19 12.38	−28 28.1	2.531	3.543	1.8	20.0
7 20	19 3.83	−29 12.5	2.561	3.552	4.2	20.2
7 30	18 56.08	−29 48.5	2.619	3.561	7.1	20.4
8 9	18 49.78	−30 16.0	2.702	3.569	9.7	20.6

283216 2010 OO_{63} 7 8.9 285.°11 8.°4/11.8 18

5 31	19 35.34	+ 2 19.4	2.365	3.106	14.7	20.6
6 10	19 31.87	+ 3 7.0	2.268	3.092	12.9	20.4
6 20	19 26.60	+ 3 39.6	2.191	3.079	10.9	20.2
6 30	19 19.94	+ 3 54.1	2.136	3.065	9.3	20.1
7 10	19 12.50	+ 3 48.6	2.105	3.051	8.4	20.0
7 20	19 4.98	+ 3 22.9	2.099	3.037	8.8	20.0
7 30	18 58.16	+ 2 39.0	2.117	3.024	10.4	20.1
8 9	18 52.71	+ 1 40.5	2.158	3.010	12.4	20.2

307177 2002 ES_{57} 7 8.9 279.°56 0.°2/ 8.9 18

5 31	19 43.64	−22 1.5	1.507	2.343	17.5	20.2
6 10	19 39.96	−21 56.1	1.404	2.318	14.1	19.9
6 20	19 33.07	−21 55.2	1.320	2.292	9.8	19.5
6 30	19 23.43	−21 56.6	1.259	2.266	4.9	19.2
7 10	19 12.05	−21 57.6	1.223	2.239	0.6	18.8
7 20	19 0.33	−21 55.9	1.212	2.213	6.2	19.1
7 30	18 49.86	−21 50.6	1.225	2.185	11.5	19.3
8 9	18 41.98	−21 42.2	1.260	2.158	16.4	19.6

482204 2010 VU_{170} 7 8.9 267.°41 3.°4/ 7.4 18

5 31	19 39.25	−30 46.0	2.462	3.282	12.0	21.4
6 10	19 35.12	−31 33.0	2.376	3.278	9.6	21.2
6 20	19 28.90	−32 19.8	2.312	3.274	6.8	21.0
6 30	19 21.07	−33 2.4	2.274	3.270	4.3	20.8
7 10	19 12.37	−33 37.0	2.263	3.266	3.5	20.8
7 20	19 3.65	−34 0.9	2.280	3.261	5.5	20.9
7 30	18 55.84	−34 13.4	2.323	3.257	8.3	21.1
8 9	18 49.68	−34 15.0	2.391	3.253	11.0	21.2

60624 2000 FT_{14} 7 8.9 144.°71 17.°1/16.8 18

5 31	19 41.76	+14 14.5	1.368	2.082	24.6	19.9
6 10	19 38.10	+15 36.3	1.306	2.088	22.7	19.8
6 20	19 31.46	+16 25.2	1.257	2.093	20.6	19.6
6 30	19 22.46	+16 32.0	1.223	2.097	18.6	19.5
7 10	19 12.21	+15 51.8	1.206	2.101	17.4	19.4
7 20	19 2.02	+14 24.9	1.207	2.105	17.2	19.4
7 30	18 53.28	+12 17.7	1.228	2.109	18.1	19.5
8 9	18 47.07	+ 9 42.0	1.268	2.112	19.8	19.6

520415 2014 JE_{89} 7 8.9 328.°40 1.°9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.44	−18 15.8	2.082	2.901	14.0	20.7
6 10	19 34.53	−17 50.0	1.993	2.895	11.1	20.5
6 20	19 28.51	−17 28.6	1.926	2.890	7.8	20.3
6 30	19 20.88	−17 11.3	1.883	2.886	4.2	20.1
7 10	19 12.42	−16 57.8	1.867	2.881	1.9	19.9
7 20	19 4.02	−16 47.5	1.878	2.877	4.7	20.1
7 30	18 56.60	−16 40.1	1.916	2.872	8.3	20.3
8 9	18 50.91	−16 35.1	1.977	2.869	11.6	20.5

11037 Distler 7 8.9 190.°89 0.°6/ 9.1 18

5 31	19 39.03	−19 23.6	2.165	2.983	13.6	18.8
6 10	19 34.95	−19 35.3	2.080	2.983	10.7	18.6
6 20	19 28.78	−19 52.9	2.016	2.982	7.3	18.4
6 30	19 21.01	−20 14.5	1.977	2.982	3.6	18.2
7 10	19 12.41	−20 37.9	1.965	2.981	0.7	18.0
7 20	19 3.84	−21 1.0	1.980	2.980	4.3	18.2
7 30	18 56.21	−21 22.3	2.023	2.979	8.0	18.5
8 9	18 50.28	−21 40.6	2.090	2.978	11.2	18.7

153463 2001 RX_4 7 8.9 315.°22 6.°5/ 8.2 18

5 31	19 45.70	−36 42.8	1.441	2.281	18.0	19.9
6 10	19 41.96	−37 2.1	1.356	2.266	14.8	19.7
6 20	19 34.53	−37 13.6	1.290	2.251	11.2	19.4
6 30	19 24.09	−37 10.0	1.245	2.236	7.8	19.2
7 10	19 12.02	−36 45.4	1.224	2.223	6.6	19.1
7 20	19 0.08	−35 57.8	1.226	2.209	9.0	19.2
7 30	18 50.04	−34 49.9	1.252	2.196	12.9	19.4
8 9	18 43.20	−33 28.6	1.299	2.184	16.9	19.6

372907 2011 AT_{65} 7 8.9 255.°82 2.°1/ 8.5 18

5 31	19 43.76	−26 47.6	1.691	2.524	16.1	21.2
6 10	19 39.51	−27 0.0	1.604	2.516	12.8	21.0
6 20	19 32.36	−27 13.5	1.538	2.508	8.8	20.7
6 30	19 22.89	−27 24.2	1.494	2.499	4.6	20.5
7 10	19 12.17	−27 28.5	1.477	2.491	2.2	20.3
7 20	19 1.48	−27 24.2	1.486	2.482	5.9	20.5
7 30	18 52.15	−27 11.1	1.519	2.474	10.3	20.7
8 9	18 45.24	−26 50.8	1.576	2.465	14.2	21.0

318351 2004 TJ_{317} 7 8.9 271.°30 6.°0/10.6 18

5 31	19 36.28	− 4 50.9	2.487	3.257	13.3	20.5
6 10	19 32.46	− 4 5.7	2.392	3.248	11.2	20.3
6 20	19 26.92	− 3 30.8	2.318	3.239	9.0	20.2
6 30	19 20.07	− 3 8.4	2.268	3.230	7.0	20.0
7 10	19 12.52	− 2 59.6	2.244	3.221	6.0	20.0
7 20	19 4.95	− 3 4.5	2.246	3.211	6.8	20.0
7 30	18 58.08	− 3 21.9	2.274	3.202	8.8	20.1
8 9	18 52.55	− 3 49.4	2.327	3.193	11.1	20.2

520177 2014 DT_8 7 8.9 225.°15 1.°2/ 9.3 18

5 31	19 40.12	−18 20.3	1.990	2.808	14.5	21.9
6 10	19 36.01	−18 23.7	1.902	2.804	11.5	21.6
6 20	19 29.62	−18 33.8	1.835	2.800	8.0	21.4
6 30	19 21.46	−18 49.0	1.792	2.796	4.1	21.2
7 10	19 12.35	−19 7.6	1.776	2.792	1.2	21.0
7 20	19 3.26	−19 27.3	1.788	2.787	4.7	21.2
7 30	18 55.18	−19 46.6	1.825	2.783	8.6	21.4
8 9	18 48.95	−20 4.2	1.887	2.778	12.1	21.6

83607 2001 SC_{272} 7 8.9 303.°76 0.°7/ 8.7 18

5 31	19 38.95	−23 27.7	1.978	2.807	14.2	19.5
6 10	19 35.24	−23 39.7	1.887	2.798	11.2	19.3
6 20	19 29.18	−23 55.0	1.818	2.788	7.7	19.1
6 30	19 21.28	−24 11.3	1.773	2.779	3.7	18.8
7 10	19 12.38	−24 25.9	1.754	2.770	0.9	18.6
7 20	19 3.46	−24 36.6	1.762	2.761	4.8	18.8
7 30	18 55.58	−24 42.2	1.796	2.753	8.8	19.1
8 9	18 49.61	−24 43.0	1.854	2.744	12.3	19.3

399633 2004 PZ_{21} 7 8.9 287.°88 4.°0/10.8 18

5 31	19 36.68	− 8 16.2	2.329	3.117	13.6	20.6
6 10	19 33.10	− 8 26.8	2.217	3.093	11.3	20.4
6 20	19 27.59	− 8 50.4	2.126	3.069	8.5	20.2
6 30	19 20.50	− 9 27.6	2.059	3.044	5.7	19.9
7 10	19 12.47	−10 17.4	2.018	3.020	4.0	19.8
7 20	19 4.23	−11 17.4	2.006	2.996	5.4	19.8
7 30	18 56.63	−12 24.5	2.020	2.971	8.3	20.0
8 9	18 50.45	−13 35.0	2.060	2.946	11.5	20.1

47398 1999 XC_{116} 7 8.9 205.°89 3.°5/ 8.1 18

5 31	19 46.34	−30 4.0	1.794	2.620	15.6	19.5
6 10	19 41.43	−30 30.9	1.711	2.617	12.4	19.3
6 20	19 33.59	−30 57.0	1.648	2.613	8.8	19.1
6 30	19 23.46	−31 17.2	1.608	2.609	5.1	18.8
7 10	19 12.12	−31 27.1	1.596	2.604	3.6	18.7
7 20	19 0.86	−31 24.1	1.609	2.599	6.5	18.9
7 30	18 51.01	−31 8.4	1.649	2.593	10.3	19.1
8 9	18 43.60	−30 42.5	1.711	2.588	13.9	19.3

404847 2014 KA_{13} 7 8.9 335.°33 0.°2/ 8.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 35.69	−21 30.0	1.825	2.662	14.9	20.3
6 10	19 32.90	−21 45.1	1.734	2.650	11.8	20.0
6 20	19 27.70	−22 5.8	1.665	2.637	8.1	19.8
6 30	19 20.61	−22 30.1	1.619	2.626	3.9	19.5
7 10	19 12.46	−22 55.1	1.598	2.615	0.5	19.2
7 20	19 4.25	−23 18.1	1.603	2.604	4.9	19.5
7 30	18 57.09	−23 37.1	1.634	2.595	9.1	19.7
8 9	18 51.87	−23 51.3	1.687	2.586	12.9	20.0

326678 2002 VM_{116} 7 8.9 294.°02 0.°2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.42	−18 50.8	1.523	2.362	17.3	20.3
6 10	19 36.49	−19 37.1	1.430	2.345	13.8	20.0
6 20	19 30.60	−20 36.5	1.356	2.329	9.5	19.7
6 30	19 22.21	−21 45.7	1.305	2.312	4.7	19.4
7 10	19 12.25	−22 59.3	1.279	2.295	0.6	19.1
7 20	19 2.00	−24 11.2	1.279	2.279	5.9	19.4
7 30	18 52.90	−25 16.0	1.303	2.263	11.0	19.6
8 9	18 46.22	−26 10.8	1.349	2.247	15.5	19.9

155262 2005 WL_{95} 7 8.9 153.°08 2.°9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.87	−13 25.3	2.624	3.418	12.1	20.4
6 10	19 33.52	−13 0.5	2.538	3.422	9.7	20.2
6 20	19 27.53	−12 41.8	2.474	3.425	7.0	20.1
6 30	19 20.32	−12 29.8	2.436	3.428	4.4	19.9
7 10	19 12.51	−12 24.2	2.425	3.431	2.9	19.8
7 20	19 4.78	−12 24.4	2.443	3.434	4.5	19.9
7 30	18 57.81	−12 29.7	2.488	3.436	7.1	20.1
8 9	18 52.18	−12 38.8	2.559	3.439	9.7	20.3

123307 2000 VZ_4 7 8.9 191.°77 1.°3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.92	−24 57.1	2.325	3.138	12.9	21.1
6 10	19 37.94	−25 21.1	2.236	3.137	10.1	20.9
6 20	19 30.80	−25 47.4	2.169	3.135	6.9	20.7
6 30	19 22.00	−26 13.1	2.127	3.132	3.5	20.5
7 10	19 12.32	−26 35.1	2.114	3.129	1.5	20.3
7 20	19 2.65	−26 51.4	2.129	3.125	4.5	20.5
7 30	18 53.95	−27 0.8	2.172	3.120	8.0	20.7
8 9	18 46.98	−27 3.7	2.240	3.115	11.1	20.9

228616 2002 CR_{35} 7 8.9 136.°47 2.°6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 43.61	−27 19.7	2.013	2.835	14.3	20.7
6 10	19 38.79	−27 59.4	1.938	2.844	11.2	20.5
6 20	19 31.52	−28 40.6	1.885	2.852	7.8	20.3
6 30	19 22.37	−29 19.1	1.857	2.859	4.2	20.1
7 10	19 12.28	−29 50.5	1.856	2.867	2.7	20.0
7 20	19 2.31	−30 12.1	1.883	2.874	5.5	20.2
7 30	18 53.55	−30 23.0	1.936	2.881	9.0	20.4
8 9	18 46.84	−30 24.2	2.013	2.887	12.2	20.7

75396 1999 XU_{98} 7 8.9 103.°82 3.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.21	−27 18.9	1.604	2.440	16.7	18.6
6 10	19 39.93	−28 11.9	1.535	2.448	13.2	18.3
6 20	19 32.65	−29 7.8	1.487	2.456	9.1	18.1
6 30	19 23.03	−30 0.7	1.462	2.464	5.1	17.9
7 10	19 12.21	−30 44.6	1.462	2.472	3.5	17.8
7 20	19 1.55	−31 15.4	1.489	2.480	6.7	18.0
7 30	18 52.40	−31 31.7	1.540	2.488	10.7	18.3
8 9	18 45.82	−31 35.2	1.614	2.495	14.3	18.5

111980 2002 GU_{93} 7 8.9 331.°79 4.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 33.44	−28 3.2	1.035	1.918	20.4	19.1
6 10	19 33.24	−28 38.4	0.954	1.894	16.4	18.8
6 20	19 29.21	−29 17.4	0.889	1.871	11.7	18.4
6 30	19 21.82	−29 54.3	0.843	1.849	6.6	18.1
7 10	19 12.33	−30 21.3	0.817	1.829	4.6	17.9
7 20	19 2.55	−30 32.7	0.812	1.810	8.9	18.0
7 30	18 54.57	−30 26.1	0.826	1.794	14.5	18.3
8 9	18 50.06	−30 3.8	0.857	1.779	19.7	18.5

163915 2003 SO_{248} 7 8.9 351.°70 8.°7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 37.01	− 1 52.5	1.775	2.556	17.5	19.7
6 10	19 33.69	− 0 56.0	1.696	2.555	15.0	19.5
6 20	19 28.10	− 0 15.8	1.636	2.553	12.3	19.3
6 30	19 20.76	+ 0 4.0	1.597	2.552	9.9	19.2
7 10	19 12.50	+ 0 1.6	1.581	2.551	8.7	19.1
7 20	19 4.26	− 0 22.7	1.590	2.551	9.4	19.2
7 30	18 57.06	− 1 6.2	1.621	2.550	11.5	19.3
8 9	18 51.71	− 2 3.9	1.675	2.550	14.2	19.5

248075 2004 PO_{56} 7 8.9 263.°42 0.°0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.64	−22 51.0	2.397	3.213	12.5	20.4
6 10	19 35.29	−22 43.6	2.300	3.203	9.8	20.2
6 20	19 28.95	−22 37.9	2.226	3.193	6.7	20.0
6 30	19 21.11	−22 32.5	2.178	3.183	3.3	19.7
7 10	19 12.47	−22 26.2	2.157	3.173	0.4	19.5
7 20	19 3.85	−22 17.9	2.164	3.163	4.1	19.7
7 30	18 56.10	−22 7.5	2.198	3.153	7.5	19.9
8 9	18 49.93	−21 55.2	2.258	3.142	10.7	20.1

438989 2010 SO_{12} 7 8.9 8.°89 15.°4/15.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 27.17	+ 5 20.7	1.119	1.928	24.0	19.8
6 10	19 26.94	+ 7 10.2	1.074	1.934	21.6	19.6
6 20	19 23.93	+ 8 28.7	1.042	1.943	19.1	19.5
6 30	19 18.83	+ 9 8.0	1.027	1.954	16.9	19.4
7 10	19 12.74	+ 9 3.9	1.028	1.969	15.6	19.4
7 20	19 6.88	+ 8 17.6	1.047	1.985	15.5	19.4
7 30	19 2.44	+ 6 55.5	1.084	2.005	16.7	19.6
8 9	19 0.33	+ 5 8.6	1.139	2.026	18.6	19.8

1346 Gotha 7 8.9 246.°67 6.°3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.67	− 4 0.1	2.145	2.917	15.1	16.1
6 10	19 34.73	− 3 39.9	2.046	2.904	12.8	15.9
6 20	19 28.72	− 3 34.1	1.966	2.890	10.2	15.7
6 30	19 21.07	− 3 44.7	1.909	2.876	7.7	15.5
7 10	19 12.47	− 4 12.2	1.877	2.861	6.3	15.4
7 20	19 3.75	− 4 55.3	1.872	2.846	7.2	15.4
7 30	18 55.82	− 5 51.3	1.893	2.830	9.7	15.5
8 9	18 49.46	− 6 56.1	1.938	2.814	12.5	15.7

162399 2000 DN_{10} 7 8.9 203.°18 3.°7/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 45.14	−32 57.1	2.295	3.107	13.1	20.7
6 10	19 39.83	−33 15.5	2.207	3.104	10.4	20.5
6 20	19 32.15	−33 30.4	2.142	3.100	7.5	20.4
6 30	19 22.68	−33 37.9	2.102	3.096	4.7	20.2
7 10	19 12.30	−33 34.7	2.089	3.092	3.7	20.1
7 20	19 2.04	−33 19.6	2.104	3.087	5.8	20.2
7 30	18 52.93	−32 53.0	2.146	3.082	8.7	20.4
8 9	18 45.80	−32 17.4	2.212	3.077	11.6	20.6

364020 2005 VF_{34} 7 8.9 238.°08 1.°0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 38.67	−24 0.3	2.583	3.398	11.7	21.7
6 10	19 34.46	−24 25.5	2.487	3.389	9.2	21.5
6 20	19 28.38	−24 53.5	2.414	3.381	6.3	21.3
6 30	19 20.85	−25 22.0	2.367	3.372	3.1	21.1
7 10	19 12.52	−25 48.4	2.347	3.363	1.1	21.0
7 20	19 4.16	−26 10.6	2.357	3.353	4.1	21.2
7 30	18 56.56	−26 27.3	2.394	3.344	7.3	21.3
8 9	18 50.43	−26 38.4	2.456	3.334	10.2	21.5

257192 2008 MG 7 8.9 50.°58 2.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.79	−13 44.2	2.180	2.989	13.8	20.5
6 10	19 33.05	−13 40.5	2.104	2.997	11.0	20.3
6 20	19 27.40	−13 45.4	2.049	3.007	7.9	20.1
6 30	19 20.34	−13 58.7	2.019	3.016	4.6	19.9
7 10	19 12.60	−14 19.0	2.016	3.026	2.7	19.8
7 20	19 4.96	−14 44.5	2.039	3.035	4.6	20.0
7 30	18 58.23	−15 13.3	2.090	3.045	7.8	20.2
8 9	18 53.08	−15 43.4	2.164	3.055	10.8	20.4

439733 2015 FY_{162} 7 8.9 136.°69 5.°9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 47.88	−36 58.3	2.188	2.995	13.8	21.5
6 10	19 42.24	−38 3.7	2.120	3.008	11.2	21.3
6 20	19 33.93	−39 4.6	2.074	3.020	8.5	21.2
6 30	19 23.59	−39 54.6	2.054	3.031	6.4	21.1
7 10	19 12.22	−40 28.5	2.060	3.042	6.0	21.1
7 20	19 1.00	−40 43.5	2.094	3.053	7.6	21.2
7 30	18 51.13	−40 40.1	2.153	3.062	10.1	21.3
8 9	18 43.53	−40 21.2	2.235	3.072	12.5	21.5

285515 2000 ET_{114} 7 8.9 145.°48 0.°0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 44.40	−21 45.6	1.917	2.735	15.0	21.7
6 10	19 39.37	−21 53.6	1.840	2.743	11.8	21.5
6 20	19 31.90	−22 5.8	1.784	2.752	8.1	21.3
6 30	19 22.57	−22 19.9	1.754	2.759	3.9	21.1
7 10	19 12.35	−22 33.1	1.750	2.766	0.5	20.8
7 20	19 2.28	−22 43.5	1.774	2.773	4.8	21.2
7 30	18 53.44	−22 50.2	1.824	2.779	8.8	21.4
8 9	18 46.67	−22 53.2	1.899	2.785	12.3	21.7

79327 1996 RT_{11} 7 8.9 322.°22 1.°3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.10	−24 26.5	1.898	2.730	14.6	19.6
6 10	19 35.48	−24 46.2	1.812	2.724	11.5	19.4
6 20	19 29.43	−25 9.2	1.747	2.718	7.9	19.1
6 30	19 21.46	−25 32.4	1.706	2.712	3.9	18.9
7 10	19 12.47	−25 52.7	1.691	2.706	1.4	18.7
7 20	19 3.49	−26 7.6	1.703	2.701	5.1	18.9
7 30	18 55.62	−26 15.7	1.741	2.696	9.1	19.2
8 9	18 49.75	−26 17.3	1.801	2.691	12.7	19.4

513035 2017 VX_4 7 8.9 268.°17 6.°2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 42.36	− 9 21.5	1.786	2.584	16.7	21.7
6 10	19 38.24	− 8 28.4	1.679	2.559	14.0	21.5
6 20	19 31.51	− 7 44.5	1.591	2.534	10.8	21.2
6 30	19 22.59	− 7 12.7	1.526	2.508	7.7	21.0
7 10	19 12.33	− 6 54.9	1.486	2.481	6.2	20.8
7 20	19 1.77	− 6 52.0	1.472	2.454	7.9	20.8
7 30	18 52.14	− 7 3.2	1.483	2.426	11.4	21.0
8 9	18 44.49	− 7 26.2	1.517	2.398	15.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
350954	2002 XK_{72}		7	8.9	182.°83	0.°4/ 8.8 18
	h m	° ′			°	m
5 31	19 40.22	−22 52.0	2.997	3.800	10.5	22.8
6 10	19 35.29	−23 8.1	2.905	3.800	8.3	22.6
6 20	19 28.72	−23 26.4	2.836	3.800	5.6	22.4
6 30	19 20.95	−23 45.3	2.795	3.800	2.7	22.2
7 10	19 12.55	−24 2.8	2.783	3.799	0.6	22.0
7 20	19 4.17	−24 17.5	2.800	3.797	3.4	22.3
7 30	18 56.50	−24 28.6	2.846	3.795	6.3	22.5
8 9	18 50.11	−24 35.7	2.918	3.792	8.9	22.6
309706	Avila		7	8.9	50.°01	4.°4/ 6.7 18
5 31	19 41.13	−29 50.5	2.038	2.865	13.9	19.6
6 10	19 37.02	−31 21.2	1.972	2.878	11.0	19.5
6 20	19 30.45	−32 53.5	1.929	2.892	7.9	19.3
6 30	19 21.95	−34 21.0	1.912	2.906	5.2	19.2
7 10	19 12.43	−35 37.3	1.922	2.920	4.6	19.1
7 20	19 2.94	−36 38.0	1.959	2.935	6.8	19.3
7 30	18 54.59	−37 21.0	2.022	2.949	9.7	19.5
8 9	18 48.28	−37 47.5	2.108	2.964	12.5	19.7
113005	2002 RF_{39}		7	8.9	274.°16	2.°5/ 9.7 17
5 31	19 38.70	−15 14.3	1.969	2.784	14.8	20.2
6 10	19 34.92	−15 7.2	1.881	2.780	11.9	20.0
6 20	19 28.91	−15 8.5	1.814	2.775	8.4	19.8
6 30	19 21.18	−15 17.8	1.770	2.770	4.8	19.6
7 10	19 12.52	−15 33.8	1.753	2.765	2.5	19.4
7 20	19 3.86	−15 54.7	1.763	2.761	5.0	19.6
7 30	18 56.19	−16 18.6	1.799	2.756	8.7	19.8
8 9	18 50.31	−16 43.8	1.858	2.751	12.2	20.0
469554	2003 UN_{93}		7	8.9	298.°94	6.°6/10.1 18
5 31	19 38.08	− 8 17.6	1.781	2.584	16.6	21.2
6 10	19 34.78	− 7 21.1	1.681	2.563	13.9	21.0
6 20	19 29.06	− 6 34.8	1.600	2.542	10.9	20.7
6 30	19 21.36	− 6 1.9	1.542	2.521	8.0	20.5
7 10	19 12.50	− 5 44.5	1.509	2.500	6.6	20.4
7 20	19 3.46	− 5 43.4	1.500	2.479	8.1	20.4
7 30	18 55.36	− 5 57.6	1.515	2.459	11.1	20.5
8 9	18 49.15	− 6 24.3	1.553	2.439	14.6	20.7
475973	2007 LZ_{27}		7	8.9	358.°31	10.°0/12.8 16
5 31	19 31.29	− 1 12.1	1.250	2.069	21.4	21.0
6 10	19 30.13	− 0 32.9	1.181	2.064	18.5	20.8
6 20	19 26.18	− 0 18.8	1.127	2.061	15.1	20.6
6 30	19 20.02	− 0 34.8	1.092	2.059	12.0	20.4
7 10	19 12.66	− 1 22.2	1.077	2.059	10.1	20.3
7 20	19 5.33	− 2 38.4	1.083	2.060	10.7	20.3
7 30	18 59.31	− 4 16.5	1.110	2.062	13.3	20.5
8 9	18 55.65	− 6 6.9	1.157	2.067	16.7	20.7
11598	Kubík		7	8.9	65.°64	0.°8/ 9.2 18
5 31	19 43.31	−18 46.5	1.343	2.183	19.1	18.3
6 10	19 39.27	−19 3.7	1.287	2.202	15.0	18.1
6 20	19 32.17	−19 30.5	1.250	2.222	10.3	17.9
6 30	19 22.78	−20 3.9	1.236	2.242	5.0	17.6
7 10	19 12.36	−20 39.7	1.245	2.261	0.9	17.4
7 20	19 2.32	−21 13.9	1.280	2.281	5.8	17.8
7 30	18 54.00	−21 44.0	1.339	2.301	10.5	18.1
8 9	18 48.35	−22 8.7	1.419	2.321	14.7	18.4
463902	2014 UB_{117}		7	8.9	343.°21	2.°4/ 9.1 17
5 31	19 44.24	−20 53.4	1.252	2.099	19.8	20.2
6 10	19 40.50	−19 56.4	1.177	2.096	15.8	19.9
6 20	19 33.33	−19 1.2	1.121	2.093	11.1	19.6
6 30	19 23.48	−18 8.0	1.086	2.091	5.8	19.3
7 10	19 12.28	−17 18.0	1.074	2.089	2.5	19.1
7 20	19 1.28	−16 32.5	1.087	2.087	6.8	19.4
7 30	18 52.07	−15 53.5	1.122	2.086	12.0	19.7
8 9	18 45.80	−15 21.9	1.179	2.085	16.7	19.9
95549	2002 EK_{89}		7	8.9	13.°51	2.°9/ 9.7 18 R
5 31	19 36.55	−15 5.2	1.870	2.693	15.2	18.8
6 10	19 33.24	−14 46.5	1.794	2.696	12.2	18.6
6 20	19 27.74	−14 35.9	1.737	2.699	8.7	18.3
6 30	19 20.59	−14 33.6	1.704	2.703	5.0	18.1
7 10	19 12.62	−14 38.7	1.697	2.708	2.9	18.0
7 20	19 4.75	−14 50.0	1.716	2.713	5.2	18.2
7 30	18 57.95	−15 5.7	1.760	2.719	8.8	18.4
8 9	18 52.96	−15 24.1	1.828	2.725	12.1	18.6
266112	2006 SY_{274}		7	8.9	312.°07	5.°4/ 7.3 17
5 31	19 40.27	−30 9.6	1.356	2.210	18.1	19.8
6 10	19 37.90	−31 9.8	1.270	2.192	14.6	19.5
6 20	19 32.00	−32 13.4	1.203	2.174	10.6	19.3
6 30	19 23.08	−33 13.1	1.157	2.157	6.7	19.0
7 10	19 12.30	−34 0.7	1.135	2.140	5.6	18.9
7 20	19 1.26	−34 29.8	1.136	2.124	8.8	19.0
7 30	18 51.78	−34 38.2	1.159	2.108	13.3	19.2
8 9	18 45.34	−34 28.2	1.202	2.093	17.6	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
255252	2005 UA_{514}		7	8.9	250.°61	0.°7/ 8.7 18
	h m	° ′			°	m
5 31	19 38.78	−23 39.9	2.446	3.263	12.2	21.6
6 10	19 34.63	−23 53.6	2.352	3.256	9.6	21.5
6 20	19 28.54	−24 9.8	2.281	3.249	6.5	21.2
6 30	19 20.96	−24 26.4	2.236	3.241	3.2	21.0
7 10	19 12.58	−24 41.2	2.218	3.234	0.9	20.8
7 20	19 4.19	−24 52.6	2.228	3.226	4.1	21.1
7 30	18 56.65	−24 59.5	2.266	3.218	7.5	21.3
8 9	18 50.64	−25 1.9	2.328	3.210	10.5	21.4
133644	2003 UJ_{148}		7	8.9	265.°38	1.°5/ 9.5 18
5 31	19 38.87	−16 29.1	1.961	2.780	14.7	20.0
6 10	19 35.14	−16 44.4	1.871	2.773	11.8	19.8
6 20	19 29.13	−17 8.9	1.802	2.767	8.2	19.6
6 30	19 21.33	−17 41.2	1.757	2.760	4.3	19.3
7 10	19 12.53	−18 18.6	1.738	2.753	1.5	19.1
7 20	19 3.68	−18 58.4	1.747	2.747	4.7	19.3
7 30	18 55.79	−19 37.9	1.781	2.740	8.7	19.5
8 9	18 49.72	−20 15.0	1.840	2.733	12.3	19.7
380859	2006 BN_{139}		7	8.9	189.°52	0.°2/ 8.9 18
5 31	19 42.60	−21 55.0	2.355	3.164	12.8	22.2
6 10	19 37.62	−22 6.6	2.264	3.163	10.1	22.0
6 20	19 30.57	−22 21.7	2.196	3.161	6.9	21.8
6 30	19 21.93	−22 38.3	2.154	3.159	3.3	21.6
7 10	19 12.47	−22 54.2	2.140	3.156	0.4	21.3
7 20	19 3.03	−23 7.4	2.154	3.153	4.2	21.6
7 30	18 54.51	−23 17.0	2.197	3.149	7.7	21.8
8 9	18 47.66	−23 22.8	2.264	3.144	10.8	22.0
240175	2002 PK_{191}		7	8.9	23.°67	1.°8/ 8.4 17
5 31	19 40.45	−25 22.3	1.767	2.602	15.4	20.8
6 10	19 36.67	−25 46.7	1.691	2.604	12.1	20.5
6 20	19 30.28	−26 13.9	1.635	2.607	8.3	20.3
6 30	19 21.89	−26 40.3	1.604	2.609	4.2	20.1
7 10	19 12.47	−27 2.1	1.598	2.612	1.9	19.9
7 20	19 3.16	−27 16.7	1.618	2.615	5.5	20.2
7 30	18 55.13	−27 22.9	1.663	2.618	9.5	20.4
8 9	18 49.28	−27 21.6	1.732	2.621	13.1	20.7
498126	2007 TG_{19}		7	8.9	314.°13	3.°8/ 9.7 17
5 31	19 37.46	−15 9.5	1.220	2.071	20.0	21.3
6 10	19 35.46	−14 45.6	1.134	2.053	16.3	21.0
6 20	19 30.18	−14 33.0	1.066	2.036	11.8	20.7
6 30	19 22.14	−14 33.1	1.018	2.020	6.9	20.4
7 10	19 12.42	−14 45.1	0.992	2.004	3.8	20.1
7 20	19 2.48	−15 7.2	0.988	1.988	7.3	20.3
7 30	18 53.98	−15 36.4	1.006	1.974	12.5	20.5
8 9	18 48.25	−16 9.4	1.044	1.960	17.5	20.8
251935	1999 VR_{219}		7	8.9	306.°62	5.°9/ 7.5 18
5 31	19 42.43	−32 20.9	1.362	2.213	18.3	20.0
6 10	19 39.62	−33 11.4	1.278	2.197	14.8	19.8
6 20	19 33.17	−34 1.8	1.213	2.181	10.9	19.5
6 30	19 23.63	−34 44.4	1.169	2.165	7.2	19.2
7 10	19 12.25	−35 11.4	1.147	2.150	6.1	19.1
7 20	19 0.73	−35 17.6	1.150	2.135	9.1	19.3
7 30	18 50.90	−35 2.6	1.174	2.121	13.3	19.5
8 9	18 44.22	−34 30.1	1.219	2.107	17.5	19.7
329800	2004 QL_6		7	8.9	303.°39	3.°4/ 9.9 18
5 31	19 38.28	−14 0.0	1.619	2.445	17.0	20.6
6 10	19 35.19	−13 47.7	1.529	2.433	13.8	20.3
6 20	19 29.45	−13 46.2	1.458	2.421	10.0	20.1
6 30	19 21.59	−13 56.0	1.410	2.409	5.9	19.8
7 10	19 12.52	−14 15.8	1.386	2.397	3.4	19.6
7 20	19 3.34	−14 43.8	1.388	2.386	6.1	19.8
7 30	18 55.28	−15 17.1	1.414	2.374	10.3	20.0
8 9	18 49.37	−15 52.9	1.462	2.363	14.3	20.2
428296	2007 EE_{174}		7	8.9	66.°34	5.°6/ 7.7 18
5 31	19 45.66	−34 33.4	1.655	2.487	16.4	20.8
6 10	19 41.15	−35 13.2	1.588	2.493	13.2	20.6
6 20	19 33.51	−35 48.6	1.540	2.500	9.7	20.4
6 30	19 23.49	−36 13.1	1.516	2.507	6.6	20.2
7 10	19 12.32	−36 21.4	1.516	2.514	5.7	20.2
7 20	19 1.43	−36 11.4	1.542	2.521	7.9	20.3
7 30	18 52.24	−35 44.3	1.592	2.529	11.2	20.5
8 9	18 45.74	−35 4.1	1.664	2.536	14.5	20.7
313254	2001 VP_{101}		7	8.9	311.°69	3.°7/ 8.2 17
5 31	19 39.31	−27 27.7	1.157	2.023	19.8	20.4
6 10	19 37.64	−27 58.1	1.069	1.999	16.0	20.1
6 20	19 32.16	−28 32.5	0.998	1.976	11.3	19.8
6 30	19 23.30	−29 5.3	0.947	1.953	6.2	19.4
7 10	19 12.30	−29 29.5	0.918	1.930	3.9	19.2
7 20	19 0.92	−29 39.5	0.910	1.908	8.3	19.4
7 30	18 51.21	−29 33.4	0.924	1.887	13.9	19.6
8 9	18 44.85	−29 13.5	0.956	1.867	19.2	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385248	2001 BH_{79}		7 8.9	203.°20	2.°1/ 8.4	18
	h m	° ′			°	m
5 31	19 44.92	−28 42.3	2.467	3.275	12.4	22.1
6 10	19 39.44	−28 53.8	2.373	3.270	9.8	21.9
6 20	19 31.82	−29 4.3	2.302	3.264	6.8	21.7
6 30	19 22.55	−29 10.7	2.257	3.258	3.7	21.5
7 10	19 12.44	−29 10.6	2.240	3.251	2.2	21.4
7 20	19 2.38	−29 2.6	2.252	3.244	4.7	21.5
7 30	18 53.30	−28 46.7	2.292	3.235	7.9	21.7
8 9	18 45.97	−28 24.3	2.357	3.227	10.8	21.9
504970	2011 GB_{31}		7 8.9	104.°44	5.°0/ 7.5	17
5 31	19 45.03	−33 6.8	1.804	2.631	15.5	21.3
6 10	19 40.42	−33 56.6	1.734	2.638	12.4	21.1
6 20	19 32.91	−34 43.9	1.685	2.646	9.0	21.0
6 30	19 23.19	−35 22.5	1.660	2.653	6.0	20.8
7 10	19 12.37	−35 47.3	1.661	2.660	5.2	20.8
7 20	19 1.73	−35 55.3	1.688	2.667	7.4	20.9
7 30	18 52.57	−35 46.7	1.739	2.673	10.6	21.1
8 9	18 45.88	−35 24.6	1.813	2.680	13.7	21.3
189606	2000 XV_{31}		7 8.9	310.°50	4.°0/ 8.2	18
5 31	19 41.59	−30 38.4	1.547	2.391	16.8	19.3
6 10	19 38.43	−30 58.0	1.452	2.369	13.5	19.1
6 20	19 32.05	−31 16.2	1.377	2.347	9.7	18.8
6 30	19 23.00	−31 27.9	1.324	2.326	5.7	18.5
7 10	19 12.37	−31 28.1	1.295	2.304	4.1	18.3
7 20	19 1.60	−31 13.8	1.291	2.284	7.3	18.5
7 30	18 52.24	−30 45.1	1.311	2.264	11.7	18.7
8 9	18 45.58	−30 5.2	1.352	2.244	15.9	18.9
204056	2003 US_{245}		7 8.9	194.°60	5.°3/ 6.6	18
5 31	19 44.24	−34 36.8	2.252	3.066	13.2	20.7
6 10	19 39.46	−35 46.2	2.170	3.065	10.7	20.5
6 20	19 32.16	−36 53.8	2.111	3.063	8.0	20.3
6 30	19 22.85	−37 53.9	2.077	3.061	5.8	20.2
7 10	19 12.41	−38 40.9	2.070	3.058	5.4	20.1
7 20	19 1.93	−39 11.4	2.090	3.055	7.2	20.3
7 30	18 52.54	−39 24.5	2.136	3.052	9.8	20.4
8 9	18 45.18	−39 22.0	2.205	3.049	12.5	20.6
126422	2002 BJ_{30}		7 8.9	288.°84	10.°1/ 6.8	18
5 31	19 51.53	−45 25.3	1.713	2.519	17.0	19.2
6 10	19 46.73	−46 19.8	1.625	2.500	14.7	19.0
6 20	19 37.97	−47 3.4	1.555	2.480	12.3	18.8
6 30	19 25.93	−47 26.3	1.507	2.460	10.5	18.6
7 10	19 12.06	−47 20.3	1.482	2.441	10.2	18.5
7 20	18 58.24	−46 41.9	1.480	2.421	11.6	18.6
7 30	18 46.45	−45 33.3	1.501	2.401	14.2	18.7
8 9	18 38.09	−44 2.0	1.543	2.382	17.1	18.8
288204	2003 YM_{12}		7 8.9	228.°38	2.°7/ 7.9	18
5 31	19 39.62	−31 45.3	3.092	3.899	10.1	21.3
6 10	19 34.95	−32 5.1	2.996	3.891	8.1	21.1
6 20	19 28.59	−32 22.9	2.924	3.882	5.7	20.9
6 30	19 20.95	−32 36.1	2.878	3.874	3.5	20.8
7 10	19 12.65	−32 42.4	2.860	3.864	2.8	20.7
7 20	19 4.38	−32 40.6	2.872	3.855	4.4	20.8
7 30	18 56.84	−32 30.5	2.911	3.846	6.8	21.0
8 9	18 50.63	−32 13.1	2.975	3.836	9.1	21.1
170999	2005 EK_{10}		7 8.9	111.°66	2.°4/ 9.7	18
5 31	19 39.58	−15 15.5	2.023	2.835	14.6	20.2
6 10	19 35.45	−15 8.9	1.944	2.841	11.6	20.0
6 20	19 29.18	−15 10.3	1.886	2.846	8.2	19.8
6 30	19 21.30	−15 19.2	1.852	2.852	4.7	19.6
7 10	19 12.62	−15 34.3	1.845	2.857	2.4	19.5
7 20	19 4.03	−15 53.9	1.865	2.862	4.8	19.6
7 30	18 56.46	−16 16.2	1.911	2.867	8.4	19.9
8 9	18 50.65	−16 39.4	1.981	2.872	11.6	20.1
264224	2010 RL_{123}		7 8.9	99.°33	3.°9/ 9.8	17
5 31	19 42.82	−14 17.6	1.519	2.342	18.1	21.0
6 10	19 38.63	−13 46.0	1.448	2.349	14.6	20.8
6 20	19 31.66	−13 24.2	1.396	2.357	10.5	20.6
6 30	19 22.59	−13 13.0	1.366	2.364	6.3	20.3
7 10	19 12.48	−13 11.8	1.362	2.371	3.9	20.2
7 20	19 2.56	−13 19.4	1.382	2.378	6.4	20.4
7 30	18 54.07	−13 34.1	1.428	2.385	10.5	20.6
8 9	18 47.93	−13 53.4	1.495	2.392	14.4	20.9
264956	2002 XB_{27}		7 8.9	316.°56	3.°0/ 7.8	18
5 31	19 36.63	−23 19.6	1.259	2.121	18.8	20.7
6 10	19 35.22	−24 24.5	1.164	2.094	15.1	20.4
6 20	19 30.39	−25 43.0	1.088	2.067	10.5	20.0
6 30	19 22.47	−27 9.7	1.034	2.041	5.5	19.7
7 10	19 12.48	−28 36.5	1.002	2.015	3.3	19.4
7 20	19 1.93	−29 54.3	0.993	1.991	7.9	19.6
7 30	18 52.67	−30 56.5	1.007	1.967	13.4	19.9
8 9	18 46.36	−31 40.7	1.039	1.944	18.5	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
424513	2008 ES_{23}		7 8.9	218.°00	3.°0/ 7.9	17
	h m	° ′			°	m
5 31	19 45.31	−27 28.4	1.899	2.722	15.0	22.2
6 10	19 40.61	−28 15.8	1.809	2.714	11.9	22.0
6 20	19 33.14	−29 6.2	1.740	2.706	8.3	21.7
6 30	19 23.42	−29 54.6	1.696	2.697	4.7	21.5
7 10	19 12.42	−30 35.7	1.678	2.688	3.2	21.4
7 20	19 1.30	−31 5.4	1.688	2.678	6.2	21.6
7 30	18 51.36	−31 22.3	1.724	2.668	10.0	21.8
8 9	18 43.66	−31 27.1	1.783	2.657	13.6	22.0
168774	2000 RC_{28}		7 8.9	298.°99	2.°5/ 9.3	18
5 31	19 41.39	−18 41.2	1.349	2.193	18.8	20.0
6 10	19 38.28	−18 7.8	1.262	2.178	15.2	19.7
6 20	19 31.94	−17 39.9	1.193	2.164	10.7	19.4
6 30	19 22.97	−17 17.7	1.146	2.150	5.8	19.1
7 10	19 12.46	−17 0.7	1.122	2.136	2.6	18.9
7 20	19 1.86	−16 48.3	1.122	2.122	6.6	19.1
7 30	18 52.71	−16 40.3	1.145	2.109	11.8	19.3
8 9	18 46.24	−16 36.0	1.189	2.096	16.5	19.6
118455	1999 VP_{191}		7 8.9	56.°40	0.°8/ 8.7	18
5 31	19 38.86	−23 18.3	2.154	2.978	13.4	19.8
6 10	19 34.83	−23 37.3	2.083	2.990	10.5	19.6
6 20	19 28.72	−23 59.5	2.033	3.002	7.1	19.5
6 30	19 21.08	−24 22.4	2.008	3.014	3.4	19.2
7 10	19 12.71	−24 43.2	2.010	3.026	0.9	19.1
7 20	19 4.49	−25 0.0	2.039	3.038	4.3	19.3
7 30	18 57.30	−25 11.8	2.096	3.050	7.8	19.6
8 9	18 51.84	−25 18.4	2.176	3.063	10.9	19.8
187484	2006 RK_{97}		7 8.9	195.°65	2.°5/ 9.7	17
5 31	19 43.07	−15 0.6	2.069	2.872	14.6	21.8
6 10	19 38.25	−14 53.1	1.979	2.869	11.7	21.6
6 20	19 31.17	−14 53.6	1.909	2.866	8.4	21.4
6 30	19 22.35	−15 1.6	1.864	2.862	4.8	21.1
7 10	19 12.58	−15 15.8	1.846	2.858	2.5	21.0
7 20	19 2.81	−15 34.6	1.856	2.853	5.0	21.1
7 30	18 54.02	−15 56.3	1.894	2.847	8.6	21.3
8 9	18 47.04	−16 19.3	1.955	2.840	12.0	21.5
5297	Schinkel		7 8.9	185.°33	2.°9/ 9.9	18
5 31	19 43.19	−13 43.3	1.732	2.544	16.7	17.5
6 10	19 38.78	−13 46.8	1.649	2.544	13.4	17.3
6 20	19 31.77	−14 1.9	1.585	2.544	9.6	17.1
6 30	19 22.71	−14 27.9	1.545	2.543	5.5	16.8
7 10	19 12.54	−15 2.7	1.530	2.542	2.9	16.6
7 20	19 2.36	−15 43.4	1.542	2.540	5.6	16.8
7 30	18 53.36	−16 26.6	1.580	2.537	9.7	17.1
8 9	18 46.48	−17 9.7	1.642	2.534	13.5	17.3
80661	2000 BF_{10}		7 8.9	298.°90	2.°7/ 8.5	18
5 31	19 43.20	−28 13.4	1.464	2.308	17.6	19.2
6 10	19 39.91	−28 19.8	1.366	2.283	14.1	18.9
6 20	19 33.24	−28 25.8	1.286	2.258	10.0	18.6
6 30	19 23.70	−28 27.2	1.229	2.233	5.4	18.2
7 10	19 12.40	−28 19.4	1.195	2.208	2.9	18.0
7 20	19 0.86	−27 59.7	1.186	2.184	6.9	18.2
7 30	18 50.74	−27 28.6	1.201	2.159	11.9	18.4
8 9	18 43.43	−26 49.0	1.237	2.135	16.6	18.6
262670	2006 WH_{128}		7 8.9	178.°16	0.°7/ 9.2	17
5 31	19 44.09	−20 19.6	1.937	2.752	15.0	21.4
6 10	19 39.20	−20 14.6	1.853	2.754	11.9	21.2
6 20	19 31.87	−20 14.1	1.790	2.755	8.2	20.9
6 30	19 22.69	−20 16.5	1.751	2.756	4.1	20.7
7 10	19 12.55	−20 20.1	1.740	2.756	0.8	20.4
7 20	19 2.50	−20 23.2	1.756	2.756	4.8	20.7
7 30	18 53.60	−20 25.1	1.799	2.755	8.8	21.0
8 9	18 46.72	−20 25.6	1.866	2.753	12.4	21.2
385575	2004 VY_{27}		7 8.9	296.°73	4.°6/ 9.5	18
5 31	19 40.18	−14 0.0	1.703	2.522	16.6	20.9
6 10	19 36.64	−13 8.5	1.602	2.500	13.6	20.6
6 20	19 30.48	−12 23.2	1.521	2.479	10.1	20.3
6 30	19 22.17	−11 45.9	1.463	2.457	6.4	20.1
7 10	19 12.60	−11 18.0	1.430	2.436	4.6	19.9
7 20	19 2.86	−11 0.3	1.422	2.414	6.8	20.0
7 30	18 54.15	−10 52.6	1.439	2.393	10.8	20.2
8 9	18 47.52	−10 53.7	1.479	2.372	14.7	20.3
276125	2002 GT_{99}		7 9.0	111.°37	7.°5/11.3	18
5 31	19 38.91	− 3 23.6	1.887	2.666	16.6	20.6
6 10	19 35.05	− 2 37.2	1.810	2.670	14.1	20.4
6 20	19 29.00	− 2 6.0	1.752	2.673	11.4	20.3
6 30	19 21.29	− 1 52.8	1.716	2.677	8.8	20.1
7 10	19 12.73	− 1 58.9	1.704	2.681	7.6	20.0
7 20	19 4.24	− 2 23.5	1.717	2.684	8.3	20.1
7 30	18 56.76	− 3 4.0	1.755	2.688	10.6	20.2
8 9	18 51.07	− 3 56.0	1.816	2.691	13.3	20.4