481817 2008 UL_{90}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	0 43.12	+ 2 33.0	0.827	0.432	101.4	20.1	25 W	2*	19*
4 28	0 51.08	+ 1 43.0	0.870	0.434	95.1	19.9	25 W	—	19*
4 30	0 59.54	+ 1 8.4	0.913	0.439	89.1	19.8	26 W	—	20*
5 2	1 8.36	+ 0 47.7	0.957	0.447	83.3	19.7	26 W	—	20*
5 4	1 17.42	+ 0 39.3	1.000	0.456	77.9	19.6	26 W	—	20*
5 6	1 26.63	+ 0 41.4	1.043	0.467	72.8	19.6	26 W	—	20*
5 8	1 35.90	+ 0 52.5	1.085	0.479	68.1	19.6	26 W	—	20*
5 10	1 45.17	+ 1 10.9	1.125	0.493	63.8	19.6	26 W	—	19*
5 12	1 54.38	+ 1 35.2	1.164	0.508	59.9	19.6	26 W	—	19*
5 14	2 3.51	+ 2 4.4	1.202	0.523	56.3	19.6	26 W	—	19*
5 16	2 12.53	+ 2 37.3	1.238	0.539	53.1	19.7	25 W	—	19*
5 18	2 21.42	+ 3 13.2	1.273	0.556	50.1	19.7	25 W	—	18*
5 20	2 30.18	+ 3 51.2	1.307	0.572	47.5	19.8	25 W	—	18*
5 22	2 38.79	+ 4 30.8	1.339	0.589	45.0	19.8	24 W	—	18*
5 24	2 47.28	+ 5 11.5	1.369	0.606	42.8	19.9	24 W	—	17*
5 26	2 55.62	+ 5 52.9	1.398	0.623	40.9	19.9	24 W	—	17*
5 31	3 15.95	+ 7 37.4	1.465	0.664	36.7	20.0	23 W	—	17*
6 5	3 35.59	+ 9 20.5	1.525	0.704	33.5	20.2	23 W	—	16*
6 10	3 54.67	+10 59.9	1.577	0.742	31.0	20.3	22 W	—	16*
6 15	4 13.31	+12 34.4	1.622	0.776	29.0	20.4	22 W	—	16*
6 25	4 49.64	+15 25.5	1.695	0.837	26.5	20.6	22 W	1*	15*
7 5	5 25.35	+17 51.0	1.745	0.886	25.3	20.7	22 W	4*	15*
7 15	6 1.03	+19 49.2	1.775	0.922	24.9	20.8	22 W	7*	14*
7 25	6 37.12	+21 19.3	1.788	0.946	25.3	20.9	23 W	11*	13*
8 4	7 14.06	+22 19.5	1.784	0.958	26.0	20.9	24 W	14*	12*
8 14	7 52.16	+22 47.4	1.766	0.957	27.1	21.0	26 W	17*	11*
8 24	8 31.72	+22 39.1	1.737	0.944	28.4	20.9	26 W	19*	9*
9 3	9 13.01	+21 49.5	1.698	0.919	29.7	20.9	27 W	20*	8*
9 13	9 56.21	+20 12.0	1.654	0.882	31.0	20.7	27 W	21*	6*
9 23	10 41.47	+17 38.5	1.607	0.832	32.0	20.6	26 W	20*	3*
10 3	11 28.95	+14 0.1	1.562	0.770	32.4	20.4	24 W	18*	1*
10 8	11 53.59	+11 44.0	1.542	0.735	32.2	20.2	23 W	17*	—
10 13	12 18.86	+ 9 8.7	1.523	0.697	31.5	20.1	21 W	15*	—
10 18	12 44.84	+ 6 13.7	1.506	0.657	30.4	19.9	19 W	13*	—
10 23	13 11.61	+ 2 58.5	1.492	0.615	28.5	19.7	17 W	11*	—
10 28	13 39.31	− 0 36.4	1.479	0.573	25.6	19.4	14 W	8*	—
11 2	14 8.12	− 4 30.1	1.468	0.532	21.5	19.1	11 W	5*	—
11 7	14 38.27	− 8 40.0	1.456	0.493	16.0	18.7	8 W	1*	—
11 12	15 10.02	−13 1.3	1.441	0.461	9.9	18.4	5 E	—	—
11 17	15 43.60	−17 26.0	1.421	0.440	8.6	18.2	4 E	—	—
11 22	16 19.15	−21 41.7	1.394	0.431	16.5	18.4	7 E	—	1*
11 24	16 33.92	−23 18.1	1.380	0.432	20.5	18.5	9 E	—	3*
11 26	16 49.00	−24 49.7	1.366	0.435	24.6	18.6	11 E	—	4*
11 28	17 4.35	−26 15.3	1.351	0.440	28.6	18.7	12 E	—	6*
11 30	17 19.97	−27 34.3	1.334	0.448	32.5	18.9	14 E	—	8*
12 2	17 35.83	−28 45.7	1.318	0.458	36.2	19.0	16 E	—	10*
12 4	17 51.88	−29 48.9	1.300	0.469	39.6	19.1	18 E	—	12*
12 6	18 8.11	−30 43.3	1.283	0.481	42.7	19.2	19 E	—	13*
12 8	18 24.45	−31 28.6	1.266	0.495	45.6	19.3	21 E	—	15*
12 10	18 40.86	−32 4.4	1.250	0.510	48.1	19.4	23 E	—	17*
12 12	18 57.29	−32 30.6	1.233	0.526	50.3	19.5	24 E	1*	18*
12 14	19 13.68	−32 47.2	1.218	0.542	52.3	19.6	26 E	1*	20*
12 16	19 29.97	−32 54.2	1.203	0.558	53.9	19.7	27 E	2*	21*
12 18	19 46.10	−32 51.8	1.190	0.575	55.4	19.8	29 E	3*	23*
12 20	20 2.01	−32 40.2	1.177	0.592	56.6	19.9	30 E	4*	24*
12 22	20 17.65	−32 19.8	1.165	0.609	57.6	19.9	32 E	5*	25*
12 27	20 55.26	−30 53.4	1.141	0.651	59.3	20.1	35 E	7*	28*
1 1	21 30.33	−28 43.2	1.124	0.691	60.1	20.2	38 E	10*	30*
1 6	22 2.60	−25 58.6	1.114	0.729	60.2	20.3	40 E	14*	32*
1 11	22 32.07	−22 49.2	1.111	0.765	59.9	20.4	42 E	17*	33*
1 16	22 58.90	−19 23.5	1.113	0.798	59.2	20.5	44 E	20*	34*
1 21	23 23.39	−15 48.9	1.121	0.828	58.4	20.5	46 E	23*	34*

2135 Aristaeus

4 26	1 4.84	+ 8 11.9	2.459	1.531	11.5	21.5	18 W	2*	11*
5 6	1 32.59	+ 9 41.8	2.361	1.459	14.0	21.4	20 W	2*	14*
5 16	2 2.41	+11 6.6	2.260	1.384	16.4	21.3	23 W	2*	17*
5 26	2 34.67	+12 22.7	2.158	1.306	18.8	21.1	25 W	3*	18*
6 5	3 9.74	+13 25.6	2.058	1.228	21.1	20.9	26 W	3*	19*
6 15	3 47.96	+14 10.2	1.965	1.149	23.2	20.8	26 W	3*	20*
6 25	4 29.54	+14 30.2	1.881	1.070	24.9	20.6	26 W	3*	20*
7 5	5 14.47	+14 19.8	1.812	0.995	26.1	20.4	25 W	3*	19*
7 15	6 2.45	+13 34.4	1.759	0.926	26.4	20.2	24 W	3*	18*
7 25	6 52.79	+12 12.9	1.727	0.867	25.5	19.9	22 W	2*	15*
7 30	7 18.56	+11 19.5	1.720	0.843	24.6	19.8	20 W	1*	14*
8 4	7 44.54	+10 18.8	1.717	0.823	23.3	19.8	19 W	—	13*
8 9	8 10.60	+ 9 12.0	1.720	0.808	21.7	19.7	17 W	—	11*
8 14	8 36.58	+ 8 0.2	1.727	0.799	19.8	19.6	16 W	—	9*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 19	9 2.34	+ 6 45.1	1.740	0.795	17.7	19.5	14 W	—	8*
8 24	9 27.76	+ 5 27.8	1.756	0.797	15.5	19.5	12 W	—	6*
8 29	9 52.74	+ 4 9.7	1.776	0.805	13.3	19.4	11 W	—	5*
9 3	10 17.19	+ 2 51.9	1.799	0.818	11.1	19.4	9 W	—	3*
9 8	10 41.03	+ 1 35.3	1.825	0.836	9.0	19.4	7 W	—	1*
9 13	11 4.21	+ 0 20.6	1.853	0.859	7.1	19.4	6 W	—	—
9 23	11 48.49	− 2 0.2	1.916	0.916	3.8	19.5	3 W	—	—
10 3	12 30.02	− 4 7.1	1.984	0.984	1.5	19.5	1 W	—	—
10 13	13 8.93	− 5 58.1	2.055	1.058	1.8	19.8	2 W	—	—
10 23	13 45.43	− 7 32.2	2.127	1.136	3.4	20.1	4 W	—	—
11 2	14 19.77	− 8 48.8	2.197	1.215	5.1	20.5	6 W	—	—
11 12	14 52.17	− 9 48.1	2.264	1.294	6.7	20.7	9 W	2*	—
11 22	15 22.83	−10 30.1	2.325	1.372	8.3	21.0	12 W	5*	—
12 2	15 51.89	−10 55.3	2.380	1.447	9.9	21.2	15 W	9*	—
12 12	16 19.47	−11 4.3	2.426	1.520	11.6	21.4	18 W	12*	—

231937 2001 FO_{32}

4 26	1 5.17	+23 21.0	0.815	0.355	112.6	19.3	19 W	12*	4*
4 28	1 11.18	+22 9.0	0.880	0.328	103.2	18.8	18 W	11*	5*
4 30	1 18.72	+20 51.5	0.947	0.308	92.2	18.3	18 W	10*	6*
5 2	1 27.89	+19 30.8	1.016	0.297	80.0	17.9	17 W	8*	7*
5 4	1 38.56	+18 10.1	1.083	0.297	67.7	17.6	16 W	6*	7*
5 6	1 50.35	+16 52.6	1.147	0.308	56.2	17.5	15 W	4*	7*
5 8	2 2.78	+15 40.6	1.206	0.328	46.6	17.5	14 W	2*	7*
5 10	2 15.39	+14 35.3	1.261	0.356	39.0	17.5	13 W	—	6*
5 12	2 27.86	+13 36.5	1.311	0.388	33.4	17.6	12 W	—	6*
5 14	2 40.02	+12 43.7	1.358	0.423	29.4	17.8	12 W	—	6*
5 16	2 51.75	+11 56.1	1.401	0.461	26.6	18.0	12 W	—	6*
5 21	3 19.09	+10 14.9	1.500	0.557	23.1	18.4	12 W	—	5*
5 26	3 43.70	+ 8 51.9	1.589	0.653	21.8	18.8	14 W	—	5*
5 31	4 5.94	+ 7 40.9	1.672	0.745	21.2	19.2	15 W	—	6*
6 5	4 26.20	+ 6 38.0	1.750	0.835	20.9	19.6	17 W	—	7*
6 10	4 44.77	+ 5 40.7	1.824	0.920	20.5	19.8	19 W	—	8*
6 15	5 1.90	+ 4 47.1	1.895	1.002	20.3	20.1	20 W	—	9*
6 20	5 17.79	+ 3 56.0	1.962	1.081	20.0	20.3	21 W	—	11*
6 25	5 32.61	+ 3 6.5	2.025	1.156	19.8	20.5	23 W	—	12*
6 30	5 46.48	+ 2 17.9	2.085	1.229	19.7	20.7	24 W	—	14*
7 5	5 59.52	+ 1 29.8	2.142	1.298	19.6	20.9	25 W	—	16*
7 10	6 11.82	+ 0 41.6	2.195	1.365	19.6	21.1	27 W	—	18*
7 15	6 23.45	− 0 6.8	2.244	1.430	19.6	21.2	28 W	—	20*
7 20	6 34.46	− 0 55.8	2.289	1.492	19.7	21.4	30 W	—	22*
7 25	6 44.90	− 1 45.5	2.330	1.553	19.8	21.5	31 W	—	24*

163364 2002 OD_{20}

4 26	1 13.15	−21 20.6	0.100	0.929	138.4	20.3	38 W	—	22*
4 28	0 53.55	−22 55.1	0.098	0.937	133.2	19.7	43 W	—	29*
4 30	0 32.99	−24 17.8	0.097	0.946	127.5	19.1	48 W	—	36*
5 2	0 11.82	−25 26.6	0.096	0.954	121.5	18.6	54 W	—	42*
5 4	23 50.42	−26 20.1	0.096	0.964	115.4	18.1	60 W	—	49*
5 6	23 29.14	−26 58.2	0.096	0.973	109.3	17.8	66 W	—	56*
5 8	23 8.30	−27 21.6	0.097	0.983	103.2	17.5	71 W	—	63*
5 10	22 48.13	−27 31.7	0.099	0.993	97.2	17.3	77 W	3*	69*
5 12	22 28.82	−27 30.3	0.101	1.003	91.3	17.1	83 W	6*	75*
5 14	22 10.45	−27 19.4	0.104	1.013	85.7	16.9	88 W	8*	81*
5 16	21 53.07	−27 0.8	0.106	1.024	80.2	16.8	94 W	11*	87*
5 18	21 36.66	−26 36.4	0.110	1.034	74.9	16.7	99 W	13*	89
5 20	21 21.21	−26 7.8	0.113	1.045	69.8	16.6	104 W	15*	90
5 22	21 6.66	−25 36.1	0.117	1.056	64.9	16.6	109 W	17*	90
5 24	20 52.95	−25 2.5	0.121	1.068	60.2	16.5	114 W	19*	89
5 26	20 40.03	−24 27.8	0.126	1.079	55.6	16.5	118 W	20*	88
5 28	20 27.82	−23 52.7	0.131	1.090	51.2	16.5	123 W	21*	88
5 30	20 16.27	−23 17.8	0.136	1.102	47.0	16.5	127 W	22*	87
6 1	20 5.33	−22 43.4	0.141	1.113	42.8	16.4	132 W	22	87
6 3	19 54.96	−22 10.0	0.147	1.125	38.9	16.4	136 W	23	86
6 5	19 45.12	−21 37.8	0.153	1.136	35.1	16.4	140 W	23	86
6 10	19 22.72	−20 23.4	0.170	1.165	26.1	16.5	150 W	25	84
6 15	19 3.36	−19 19.3	0.190	1.195	18.0	16.5	159 W	26	83
6 20	18 46.95	−18 26.3	0.212	1.224	11.0	16.6	167 W	27	82
6 25	18 33.36	−17 44.2	0.238	1.253	5.8	16.6	173 W	27	82
6 30	18 22.38	−17 12.3	0.266	1.281	5.3	16.9	173 E	28	81
7 5	18 13.78	−16 49.5	0.298	1.310	9.0	17.4	168 E	28	81
7 10	18 7.37	−16 34.6	0.332	1.338	13.0	17.8	163 E	28	81
7 15	18 2.93	−16 26.4	0.370	1.365	16.8	18.2	157 E	29	80
7 20	18 0.28	−16 23.5	0.410	1.392	20.0	18.6	152 E	29	80
7 25	17 59.17	−16 24.6	0.454	1.418	22.9	18.9	147 E	29	80
7 30	17 59.41	−16 28.7	0.499	1.444	25.3	19.3	143 E	29	80
8 4	18 0.82	−16 35.0	0.548	1.469	27.4	19.6	138 E	28	81
8 9	18 3.26	−16 42.6	0.599	1.493	29.2	19.8	134 E	28	81
8 14	18 6.63	−16 50.9	0.651	1.517	30.7	20.1	130 E	28	81

2135 Aristaeus *(continuation)*

8 19	9 2.34	+ 6 45.1	1.740	0.795	17.7	19.5	14 W	—	8*
8 24	9 27.76	+ 5 27.8	1.756	0.797	15.5	19.5	12 W	—	6*
8 29	9 52.74	+ 4 9.7	1.776	0.805	13.3	19.4	11 W	—	5*
9 3	10 17.19	+ 2 51.9	1.799	0.818	11.1	19.4	9 W	—	3*
9 8	10 41.03	+ 1 35.3	1.825	0.836	9.0	19.4	7 W	—	1*
9 13	11 4.21	+ 0 20.6	1.853	0.859	7.1	19.4	6 W	—	—
9 23	11 48.49	− 2 0.2	1.916	0.916	3.8	19.5	3 W	—	—
10 3	12 30.02	− 4 7.1	1.984	0.984	1.5	19.5	1 W	—	—
10 13	13 8.93	− 5 58.1	2.055	1.058	1.8	19.8	2 W	—	—
10 23	13 45.43	− 7 32.2	2.127	1.136	3.4	20.1	4 W	—	—
11 2	14 19.77	− 8 48.8	2.197	1.215	5.1	20.5	6 W	—	—
11 12	14 52.17	− 9 48.1	2.264	1.294	6.7	20.7	9 W	2*	—
11 22	15 22.83	−10 30.1	2.325	1.372	8.3	21.0	12 W	5*	—
12 2	15 51.89	−10 55.3	2.380	1.447	9.9	21.2	15 W	9*	—
12 12	16 19.47	−11 4.3	2.426	1.520	11.6	21.4	18 W	12*	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
163364 2002 OD_{20} *(continuation)*									
8 24	18 15.69	−17 7.4	0.763	1.562	33.0	20.6	123 E	28	81
9 3	18 27.18	−17 20.7	0.882	1.604	34.4	21.0	116 E	28	81
9 13	18 40.60	−17 28.4	1.006	1.643	35.3	21.3	109 E	28	81
9 23	18 55.54	−17 28.7	1.135	1.680	35.5	21.7	103 E	28	81
470909 2009 DK_{46}									
4 26	1 59.88	+ 3 12.3	2.425	1.449	7.4	21.5	11 W	—	2*
5 6	2 31.59	+ 4 33.8	2.369	1.404	9.2	21.4	13 W	—	4*
5 16	3 4.74	+ 5 48.0	2.319	1.365	10.8	21.4	15 W	—	6*
5 26	3 39.21	+ 6 51.5	2.275	1.332	12.2	21.3	16 W	—	7*
6 5	4 14.80	+ 7 41.6	2.241	1.308	13.3	21.3	17 W	—	9*
6 15	4 51.22	+ 8 15.4	2.217	1.291	14.1	21.3	18 W	—	10*
6 25	5 28.05	+ 8 31.3	2.205	1.283	14.6	21.3	19 W	—	11*
7 5	6 4.84	+ 8 28.4	2.204	1.285	14.8	21.3	19 W	—	12*
7 15	6 41.16	+ 8 7.3	2.213	1.295	14.8	21.3	19 W	—	12*
7 25	7 16.57	+ 7 29.3	2.232	1.315	14.6	21.4	19 W	—	13*
8 4	7 50.76	+ 6 36.9	2.258	1.342	14.4	21.4	19 W	—	13*
8 14	8 23.53	+ 5 32.9	2.289	1.377	14.2	21.5	20 W	—	14*
124192 Moletai									
4 26	2 9.28	+15 40.2	3.556	2.551	1.0	21.4	2 W	—	—
5 6	2 26.16	+16 57.2	3.573	2.572	2.4	21.6	6 W	—	—
5 16	2 42.98	+18 8.8	3.576	2.592	4.4	21.7	11 W	1*	4*
5 26	2 59.69	+19 14.5	3.564	2.611	6.4	21.8	17 W	3*	10*
6 5	3 16.26	+20 14.1	3.539	2.629	8.4	21.9	22 W	7*	14*
303262 2004 RJ_{84}									
4 26	2 13.40	−25 44.0	0.265	0.818	129.0	20.9	39 W	—	11*
5 1	2 1.34	−29 59.6	0.274	0.839	120.9	20.3	46 W	—	19*
5 6	1 49.97	−33 7.9	0.285	0.862	113.2	19.9	52 W	—	27*
5 11	1 39.89	−35 20.8	0.297	0.886	106.2	19.7	57 W	—	34*
5 16	1 31.30	−36 52.1	0.308	0.911	99.9	19.5	63 W	—	40*
5 18	1 28.26	−37 19.8	0.312	0.922	97.6	19.4	65 W	—	43*
5 20	1 25.43	−37 43.6	0.316	0.932	95.4	19.4	67 W	—	45*
5 22	1 22.80	−38 4.0	0.319	0.943	93.2	19.3	68 W	—	47*
5 24	1 20.34	−38 21.7	0.322	0.954	91.1	19.3	70 W	—	50*
5 26	1 18.02	−38 37.0	0.325	0.964	89.1	19.2	72 W	—	52*
5 31	1 12.77	−39 8.3	0.331	0.991	84.4	19.1	77 W	—	57*
6 5	1 7.93	−39 34.3	0.334	1.018	80.0	19.1	81 W	—	62*
6 10	1 3.05	−39 59.9	0.335	1.045	75.7	19.0	86 W	—	66*
6 15	0 57.65	−40 28.3	0.334	1.071	71.6	18.9	90 W	—	70*
6 20	0 51.25	−41 1.3	0.331	1.097	67.4	18.8	95 W	—	73*
6 25	0 43.37	−41 40.0	0.327	1.122	63.1	18.7	100 W	—	74*
6 30	0 33.49	−42 24.4	0.321	1.146	58.6	18.5	106 W	—	74
7 5	0 21.03	−43 13.1	0.315	1.170	53.9	18.4	112 W	—	73
7 10	0 5.40	−44 2.4	0.309	1.193	48.9	18.3	118 W	—	72
7 15	23 46.21	−44 45.7	0.304	1.215	43.6	18.1	124 W	—	71
7 20	23 23.44	−45 13.7	0.301	1.236	38.1	18.0	131 W	—	71
7 25	22 57.69	−45 16.3	0.300	1.256	32.6	17.9	138 W	—	71
7 27	22 46.80	−45 8.3	0.301	1.264	30.4	17.8	141 W	—	71
7 29	22 35.73	−44 54.5	0.302	1.271	28.4	17.8	143 W	—	71
7 31	22 24.59	−44 34.7	0.304	1.279	26.4	17.7	146 W	—	71
8 2	22 13.51	−44 8.8	0.307	1.286	24.6	17.7	148 W	1	72
8 4	22 2.60	−43 36.9	0.310	1.293	23.0	17.7	150 W	1	72
8 6	21 51.98	−42 59.3	0.314	1.300	21.6	17.7	152 W	2	73
8 8	21 41.76	−42 16.5	0.319	1.307	20.5	17.7	153 W	3	74
8 10	21 32.02	−41 29.0	0.325	1.313	19.8	17.7	154 W	4	75
8 12	21 22.84	−40 37.5	0.331	1.320	19.4	17.8	154 E	4	75
8 14	21 14.27	−39 42.8	0.338	1.326	19.3	17.8	154 E	5	76
8 16	21 6.35	−38 45.6	0.346	1.332	19.6	17.9	154 E	6	77
8 18	20 59.07	−37 46.7	0.355	1.338	20.1	18.0	153 E	7	78
8 20	20 52.46	−36 46.7	0.364	1.344	20.8	18.1	152 E	8	79
8 22	20 46.48	−35 46.2	0.374	1.349	21.7	18.2	150 E	9	80
8 24	20 41.12	−34 45.8	0.385	1.355	22.8	18.3	149 E	10	81
8 29	20 30.26	−32 17.9	0.414	1.368	25.6	18.5	144 E	13	84
9 3	20 22.63	−29 57.6	0.447	1.379	28.5	18.8	139 E	15	86
9 8	20 17.77	−27 47.4	0.483	1.390	31.1	19.1	135 E	17	88
9 13	20 15.25	−25 47.9	0.522	1.399	33.5	19.3	130 E	19	90
9 18	20 14.65	−23 58.5	0.562	1.407	35.6	19.6	125 E	21	88
9 23	20 15.65	−22 18.4	0.605	1.415	37.4	19.8	121 E	23	86
9 28	20 17.96	−20 46.2	0.649	1.421	38.9	20.0	117 E	24	85
10 3	20 21.37	−19 20.7	0.693	1.426	40.1	20.2	113 E	26	83
10 8	20 25.73	−18 0.7	0.739	1.430	41.1	20.3	110 E	27	82
10 13	20 30.90	−16 44.9	0.785	1.432	42.0	20.5	106 E	28	81
10 18	20 36.75	−15 32.4	0.831	1.434	42.6	20.6	103 E	29	80
10 23	20 43.18	−14 22.4	0.877	1.435	43.1	20.8	100 E	31	78
10 28	20 50.12	−13 14.2	0.923	1.434	43.5	20.9	97 E	32	77*
11 2	20 57.50	−12 7.2	0.969	1.432	43.7	21.0	94 E	33	75*
11 7	21 5.28	−11 0.7	1.013	1.429	43.9	21.1	91 E	34	72*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
303262 2004 RJ_{84} *(continuation)*									
11 12	21 13.42	− 9 54.3	1.057	1.426	44.0	21.2	88 E	35	69*
11 17	21 21.89	− 8 47.6	1.099	1.421	43.9	21.3	86 E	36	65*
11 22	21 30.64	− 7 40.3	1.141	1.414	43.9	21.3	83 E	37	62*
11 27	21 39.65	− 6 32.3	1.181	1.407	43.8	21.4	80 E	38	58*
12 2	21 48.92	− 5 23.2	1.219	1.399	43.6	21.4	78 E	40	55*
12 7	21 58.43	− 4 12.9	1.255	1.389	43.4	21.5	76 E	41	52*
251964 1999 YL_6									
4 26	2 19.03	+16 28.7	3.127	2.123	1.6	21.4	3 E	—	—
5 6	2 39.80	+18 26.6	3.094	2.088	1.7	21.4	3 W	—	—
5 16	3 1.46	+20 19.6	3.052	2.053	3.5	21.4	7 W	—	—
5 26	3 24.05	+22 5.9	3.003	2.018	5.5	21.5	11 W	2*	3*
6 5	3 47.62	+23 44.0	2.948	1.984	7.5	21.5	15 W	4*	6*
6 15	4 12.18	+25 12.0	2.886	1.950	9.5	21.5	19 W	7*	9*
6 25	4 37.72	+26 28.1	2.819	1.917	11.5	21.5	22 W	10*	11*
7 5	5 4.23	+27 30.4	2.749	1.885	13.5	21.5	26 W	14*	13*
7 15	5 31.63	+28 17.2	2.675	1.854	15.5	21.4	29 W	18*	14*
7 25	5 59.78	+28 46.6	2.598	1.824	17.4	21.4	32 W	22*	15*
8 4	6 28.56	+28 57.3	2.520	1.796	19.2	21.4	36 W	26*	16*
8 14	6 57.75	+28 48.2	2.441	1.770	21.0	21.3	39 W	30*	17*
8 24	7 27.14	+28 19.0	2.361	1.746	22.8	21.3	42 W	34*	17*
9 3	7 56.51	+27 29.6	2.281	1.723	24.5	21.2	45 W	37*	18*
9 13	8 25.62	+26 20.7	2.202	1.704	26.1	21.2	48 W	41*	19*
9 23	8 54.27	+24 53.7	2.123	1.686	27.6	21.1	51 W	44*	20*
10 3	9 22.31	+23 10.5	2.045	1.672	29.1	21.0	54 W	47*	21*
10 13	9 49.57	+21 13.4	1.968	1.661	30.5	21.0	58 W	49*	22*
10 23	10 15.95	+19 5.0	1.891	1.652	31.7	20.9	61 W	52*	24*
11 2	10 41.37	+16 48.3	1.815	1.647	32.9	20.9	64 W	54*	27*
11 12	11 5.75	+14 26.4	1.740	1.645	33.9	20.8	68 W	55*	30*
11 22	11 29.00	+12 2.1	1.664	1.647	34.7	20.7	72 W	55*	34*
12 2	11 51.06	+ 9 38.4	1.589	1.651	35.4	20.6	76 W	54*	38*
12 12	12 11.76	+ 7 18.0	1.514	1.659	35.8	20.6	80 W	52	43*
12 22	12 30.95	+ 5 3.4	1.438	1.670	35.9	20.5	85 W	50	49*
1 1	12 48.42	+ 2 56.7	1.363	1.684	35.7	20.4	90 W	48	55*
1 11	13 3.83	+ 0 59.8	1.288	1.701	35.1	20.2	96 W	46	60*
1 21	13 16.82	− 0 45.8	1.214	1.720	33.9	20.1	102 W	44	64*
344074 1997 UH_9									
4 26	2 37.86	+16 54.7	2.213	1.220	5.6	21.4	7 E	1*	—
5 6	3 4.67	+20 8.4	2.208	1.206	4.0	21.3	5 E	—	—
5 16	3 32.96	+23 9.4	2.189	1.182	3.6	21.2	4 E	—	—
5 26	4 3.25	+25 55.5	2.155	1.149	4.5	21.2	5 W	—	—
6 5	4 36.09	+28 23.2	2.107	1.107	6.3	21.1	7 W	1*	—
6 15	5 12.13	+30 26.4	2.047	1.054	8.2	21.0	9 W	3*	—
6 25	5 51.96	+31 55.9	1.976	0.990	10.2	20.9	10 W	4*	—
7 5	6 36.07	+32 38.0	1.895	0.916	12.0	20.7	11 W	5*	—
7 15	7 24.64	+32 13.7	1.807	0.832	13.5	20.5	11 W	4*	—
7 20	7 50.49	+31 29.1	1.760	0.786	14.1	20.3	11 W	3*	—
7 25	8 17.24	+30 18.2	1.712	0.738	14.7	20.1	11 E	2*	—
7 30	8 44.73	+28 37.1	1.663	0.688	15.2	19.9	10 E	3*	—
8 4	9 12.77	+26 22.1	1.613	0.637	15.8	19.7	10 E	3*	—
8 9	9 41.11	+23 29.3	1.561	0.587	16.9	19.5	10 E	4*	—
8 14	10 9.49	+19 55.7	1.506	0.538	19.2	19.3	10 E	4*	—
8 19	10 37.59	+15 39.3	1.447	0.495	23.4	19.2	11 E	3*	2*
8 24	11 5.09	+10 41.0	1.383	0.461	30.1	19.1	13 E	3*	6*
8 29	11 31.63	+ 5 5.7	1.312	0.440	39.2	19.2	16 E	2*	10*
9 3	11 56.94	− 0 56.0	1.235	0.437	49.7	19.3	19 E	—	13*
9 5	12 6.71	− 3 25.1	1.203	0.441	53.9	19.4	21 E	—	15*
9 7	12 16.30	− 5 55.4	1.171	0.447	58.0	19.5	22 E	—	16*
9 9	12 25.74	− 8 26.0	1.139	0.457	61.8	19.6	24 E	—	17*
9 11	12 35.09	−10 56.4	1.107	0.468	65.4	19.7	25 E	—	18*
9 13	12 44.38	−13 25.9	1.076	0.482	68.6	19.8	26 E	—	19*
9 18	13 7.80	−19 32.9	1.002	0.522	75.2	20.0	30 E	—	22*
9 23	13 32.38	−25 26.4	0.935	0.569	79.6	20.2	34 E	—	25*
9 28	13 59.32	−31 1.7	0.877	0.619	82.2	20.3	38 E	—	27*
10 3	14 29.87	−36 12.0	0.828	0.670	83.1	20.4	42 E	—	30*
10 5	14 43.37	−38 6.9	0.811	0.691	83.1	20.4	43 E	—	32*
10 7	14 57.70	−39 55.3	0.796	0.711	83.0	20.5	45 E	—	33*
10 9	15 12.91	−41 36.3	0.782	0.730	82.6	20.5	46 E	—	34*
10 11	15 29.02	−43 8.7	0.770	0.750	82.1	20.5	48 E	—	36*
10 13	15 46.02	−44 31.5	0.759	0.769	81.5	20.5	50 E	—	37*
10 15	16 3.89	−45 43.4	0.750	0.788	80.8	20.5	51 E	—	39*
10 17	16 22.53	−46 43.6	0.742	0.807	80.0	20.5	53 E	—	41*
10 19	16 41.82	−47 30.9	0.736	0.825	79.1	20.5	54 E	—	42*
10 21	17 1.59	−48 4.8	0.732	0.843	78.1	20.5	56 E	—	44*
10 23	17 21.64	−48 24.7	0.729	0.860	77.1	20.5	57 E	—	46*
10 25	17 41.74	−48 30.6	0.727	0.877	76.0	20.5	59 E	—	47*
10 27	18 1.66	−48 22.8	0.727	0.894	74.8	20.5	60 E	—	49*
10 29	18 21.19	−48 1.8	0.728	0.910	73.7	20.5	62 E	—	51*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
344074 1997 UH_9 *(continuation)*									
10 31	18 40.12	−47 28.7	0.731	0.926	72.6	20.5	63 E	—	53*
11 2	18 58.32	−46 44.4	0.735	0.941	71.4	20.5	64 E	—	54*
11 4	19 15.67	−45 50.4	0.740	0.956	70.2	20.5	65 E	—	56*
11 6	19 32.10	−44 47.9	0.747	0.971	69.1	20.5	66 E	—	58*
11 8	19 47.60	−43 38.3	0.755	0.985	68.0	20.5	67 E	1*	59*
11 10	20 2.15	−42 23.0	0.763	0.999	66.9	20.6	68 E	2*	60*
11 12	20 15.79	−41 3.1	0.773	1.012	65.8	20.6	69 E	4*	62*
11 14	20 28.55	−39 39.7	0.784	1.025	64.7	20.6	69 E	5*	63*
11 16	20 40.50	−38 13.8	0.796	1.037	63.7	20.6	70 E	7*	64*
11 18	20 51.68	−36 46.2	0.808	1.049	62.7	20.7	71 E	8	64*
11 20	21 2.17	−35 17.6	0.822	1.061	61.8	20.7	71 E	10	65*
11 22	21 12.01	−33 48.6	0.836	1.072	60.9	20.7	71 E	11	65*
11 24	21 21.27	−32 19.8	0.851	1.083	60.0	20.8	72 E	13	66*
11 26	21 30.00	−30 51.4	0.866	1.093	59.2	20.8	72 E	14	66*
11 28	21 38.26	−29 23.9	0.882	1.103	58.3	20.8	72 E	16	65*
11 30	21 46.09	−27 57.4	0.899	1.112	57.6	20.9	72 E	17	65*
12 2	21 53.52	−26 32.2	0.916	1.122	56.8	20.9	72 E	18	65*
12 7	22 10.67	−23 5.5	0.960	1.143	55.1	21.0	72 E	22	63*
12 12	22 26.11	−19 48.6	1.006	1.161	53.5	21.1	71 E	25	60*
12 17	22 40.24	−16 41.8	1.053	1.177	52.0	21.2	71 E	28	57*
12 22	22 53.35	−13 44.8	1.100	1.191	50.7	21.3	69 E	31*	54*
12 27	23 5.68	−10 56.9	1.147	1.202	49.4	21.3	68 E	34*	50*
1 1	23 17.41	− 8 17.2	1.194	1.211	48.3	21.4	67 E	36*	47*
1 6	23 28.68	− 5 44.9	1.240	1.218	47.2	21.5	65 E	39*	44*
434911 2006 TD_{63}									
4 26	2 47.03	+20 8.3	2.654	1.675	6.3	21.4	10 E	4*	—
5 6	3 14.74	+22 18.8	2.645	1.652	4.9	21.3	8 E	2*	—
5 16	3 43.72	+24 14.7	2.634	1.632	3.7	21.2	6 E	—	—
5 26	4 13.88	+25 52.6	2.622	1.615	3.0	21.1	5 E	—	—
6 5	4 45.10	+27 9.5	2.610	1.602	3.1	21.1	5 W	—	—
6 15	5 17.18	+28 2.7	2.599	1.592	3.8	21.1	6 W	—	—
6 25	5 49.79	+28 30.1	2.588	1.586	4.9	21.2	8 W	1*	—
7 5	6 22.61	+28 30.6	2.578	1.584	6.1	21.2	9 W	3*	—
7 15	6 55.26	+28 4.2	2.568	1.585	7.3	21.3	11 W	5*	—
7 25	7 27.38	+27 12.1	2.559	1.590	8.6	21.3	14 W	7*	1*
8 4	7 58.68	+25 56.2	2.551	1.599	10.0	21.4	16 W	9*	2*
8 14	8 28.92	+24 19.2	2.542	1.612	11.3	21.5	18 W	12*	3*
311999 2007 NS_2									
4 26	2 54.68	+25 5.1	2.409	1.462	10.4	21.5	15 E	9*	—
5 6	3 26.79	+26 12.2	2.424	1.457	8.8	21.4	13 E	7*	—
5 16	3 59.37	+26 56.1	2.436	1.453	7.1	21.4	10 E	4*	—
5 26	4 32.19	+27 15.1	2.446	1.449	5.5	21.3	8 E	2*	—
6 5	5 5.01	+27 8.1	2.453	1.446	3.9	21.2	6 E	—	—
6 15	5 37.62	+26 34.9	2.456	1.444	2.4	21.1	3 E	—	—
6 25	6 9.76	+25 35.9	2.457	1.442	1.7	21.1	2 W	—	—
7 5	6 41.25	+24 11.9	2.455	1.441	2.6	21.1	4 W	—	—
7 15	7 11.97	+22 24.6	2.449	1.441	4.1	21.2	6 W	—	—
7 25	7 41.81	+20 15.7	2.440	1.442	5.8	21.3	8 W	—	1*
8 4	8 10.77	+17 47.4	2.428	1.444	7.6	21.4	11 W	1*	3*
8 14	8 38.87	+15 2.0	2.413	1.446	9.3	21.4	13 W	3*	6*
8 24	9 6.17	+12 1.6	2.394	1.449	11.1	21.5	16 W	6*	8*
377998 2006 RZ_{83}									
4 26	3 17.96	+ 7 11.1	2.653	1.716	9.9	21.4	17 E	—	11*
5 6	3 44.31	+ 8 17.5	2.647	1.694	9.0	21.4	15 E	—	9*
5 16	4 11.38	+ 9 13.2	2.640	1.676	8.3	21.3	14 E	—	7*
5 26	4 39.07	+ 9 56.4	2.631	1.660	7.9	21.3	13 E	—	5*
6 5	5 7.28	+10 25.5	2.621	1.646	7.8	21.2	13 E	—	3*
6 15	5 35.88	+10 39.3	2.612	1.636	7.8	21.2	13 E	—	—
6 25	6 4.71	+10 37.1	2.604	1.630	8.1	21.2	13 W	—	2*
7 5	6 33.61	+10 18.7	2.597	1.626	8.5	21.2	14 W	—	4*
7 15	7 2.40	+ 9 44.3	2.591	1.626	9.0	21.2	14 W	—	7*
7 25	7 30.92	+ 8 54.9	2.586	1.630	9.6	21.3	16 W	—	9*
8 4	7 59.03	+ 7 51.8	2.581	1.636	10.3	21.3	17 W	—	11*
8 14	8 26.63	+ 6 36.6	2.577	1.646	11.2	21.3	18 W	—	12*
8 24	8 53.61	+ 5 11.5	2.572	1.659	12.1	21.4	20 W	3*	14*
9 3	9 19.93	+ 3 38.5	2.565	1.675	13.2	21.4	22 W	6*	15*
9 13	9 45.57	+ 1 59.8	2.557	1.694	14.3	21.5	25 W	10*	17*
337283 2000 WR_{67}									
4 26	3 59.20	+18 51.5	2.428	1.585	16.1	21.5	26 E	16*	14*
5 6	4 28.97	+19 43.8	2.435	1.560	14.8	21.4	23 E	12*	13*
5 16	4 59.71	+20 17.7	2.441	1.540	13.6	21.4	21 E	9*	12*
5 26	5 31.18	+20 30.7	2.448	1.524	12.3	21.3	19 E	6*	11*
6 5	6 3.12	+20 21.4	2.456	1.513	11.1	21.2	17 E	3*	10*
6 15	6 35.26	+19 48.8	2.466	1.507	9.9	21.2	15 E	—	8*
6 25	7 7.27	+18 53.2	2.479	1.506	8.8	21.2	13 E	—	7*
7 5	7 38.89	+17 35.7	2.495	1.511	7.6	21.1	11 E	—	5*
7 15	8 9.90	+15 58.3	2.514	1.521	6.4	21.1	10 E	—	3*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
337283 2000 WR_{67} *(continuation)*									
7 25	8 40.12	+14 3.7	2.536	1.537	5.2	21.1	8 E	—	1*
8 4	9 9.44	+11 55.0	2.561	1.557	4.1	21.1	6 E	—	—
8 14	9 37.82	+ 9 35.3	2.588	1.581	3.2	21.1	5 E	—	—
8 24	10 5.23	+ 7 8.0	2.616	1.609	2.7	21.1	4 W	—	—
9 3	10 31.72	+ 4 36.0	2.644	1.642	3.1	21.2	5 W	—	—
9 13	10 57.34	+ 2 2.0	2.672	1.677	4.1	21.3	7 W	—	1*
9 23	11 22.14	− 0 31.2	2.697	1.715	5.5	21.5	9 W	—	3*
450161 2000 YE_{29}									
4 26	4 24.47	+17 1.4	2.690	1.909	16.1	21.4	32 E	19*	20*
5 6	4 46.99	+18 34.8	2.685	1.850	14.6	21.3	28 E	14*	17*
5 16	5 11.08	+19 58.0	2.674	1.793	13.1	21.2	24 E	11*	14*
5 26	5 36.72	+21 8.7	2.656	1.738	11.5	21.0	20 E	7*	11*
6 5	6 3.88	+22 4.3	2.632	1.686	9.9	20.9	17 E	4*	9*
6 15	6 32.49	+22 42.4	2.605	1.636	8.4	20.7	14 E	2*	6*
6 25	7 2.42	+23 0.4	2.576	1.590	7.0	20.6	11 E	—	4*
7 5	7 33.50	+22 56.4	2.546	1.548	5.6	20.4	9 E	—	2*
7 15	8 5.51	+22 28.4	2.516	1.511	4.5	20.3	7 E	—	—
7 25	8 38.18	+21 35.8	2.488	1.479	3.6	20.2	5 E	—	—
8 4	9 11.23	+20 18.5	2.463	1.454	3.3	20.1	5 E	—	—
8 14	9 44.38	+18 37.5	2.443	1.436	3.4	20.1	5 E	—	—
8 24	10 17.36	+16 35.2	2.427	1.425	4.0	20.1	6 E	—	—
9 3	10 49.98	+14 14.7	2.418	1.421	4.7	20.1	7 E	—	—
9 13	11 22.09	+11 40.3	2.415	1.425	5.5	20.1	8 W	—	—
9 23	11 53.55	+ 8 56.4	2.419	1.436	6.3	20.2	9 W	1*	—
10 3	12 24.33	+ 6 8.0	2.428	1.455	7.1	20.3	10 W	3*	—
10 13	12 54.39	+ 3 19.6	2.443	1.481	8.0	20.4	12 W	5*	—
10 23	13 23.72	+ 0 35.8	2.462	1.512	8.9	20.5	14 W	7*	—
11 2	13 52.32	− 2 0.0	2.483	1.550	9.8	20.6	15 W	9*	—
11 12	14 20.19	− 4 24.5	2.506	1.592	10.9	20.7	18 W	12*	—
11 22	14 47.30	− 6 35.4	2.529	1.638	12.0	20.8	20 W	14*	1*
12 2	15 13.63	− 8 31.4	2.549	1.688	13.3	20.9	23 W	16*	5*
12 12	15 39.13	−10 11.5	2.566	1.741	14.6	21.1	26 W	19*	9*
12 22	16 3.72	−11 35.5	2.578	1.796	15.9	21.2	30 W	20*	13*
1 1	16 27.34	−12 43.8	2.583	1.853	17.3	21.3	34 W	22*	19*
1 11	16 49.89	−13 37.1	2.580	1.911	18.7	21.4	39 W	23*	24*
6239 Minos									
4 26	4 52.92	+24 45.2	1.766	1.173	32.8	21.5	39 E	29*	20*
5 6	5 24.78	+25 6.3	1.737	1.106	33.0	21.3	37 E	25*	19*
5 16	5 58.73	+25 1.5	1.693	1.036	33.7	21.1	35 E	22*	19*
5 26	6 34.74	+24 24.9	1.636	0.964	35.2	20.9	33 E	19*	20*
6 5	7 12.77	+23 10.3	1.563	0.892	37.6	20.7	32 E	16*	21*
6 15	7 52.67	+21 11.7	1.477	0.822	41.3	20.5	32 E	14*	22*
6 25	8 34.20	+18 24.4	1.376	0.760	46.6	20.4	33 E	12*	24*
6 30	8 55.48	+16 41.6	1.321	0.733	49.8	20.3	33 E	11*	25*
7 5	9 17.05	+14 46.3	1.263	0.711	53.5	20.2	34 E	10*	26*
7 10	9 38.88	+12 38.8	1.203	0.694	57.6	20.2	35 E	10*	28*
7 15	10 0.97	+10 20.0	1.141	0.682	61.9	20.2	36 E	9*	29*
7 25	10 45.97	+ 5 12.9	1.015	0.678	70.6	20.2	39 E	8*	33*
8 4	11 32.74	− 0 24.7	0.894	0.700	78.0	20.2	42 E	8*	36*
8 14	12 22.92	− 6 22.3	0.788	0.744	82.7	20.2	47 E	8*	41*
8 19	12 49.96	− 9 23.9	0.744	0.772	83.8	20.2	49 E	8*	43*
8 24	13 18.65	−12 23.5	0.706	0.803	83.9	20.2	52 E	9*	46*
8 29	13 49.16	−15 16.4	0.675	0.836	83.2	20.2	55 E	10*	49*
9 3	14 21.50	−17 56.9	0.653	0.871	81.6	20.1	59 E	11*	53*
9 8	14 55.47	−20 18.2	0.638	0.906	79.3	20.1	62 E	12*	56*
9 13	15 30.58	−22 14.1	0.633	0.943	76.6	20.1	66 E	13*	60*
9 18	16 6.11	−23 39.7	0.636	0.979	73.5	20.0	69 E	15*	63*
9 23	16 41.24	−24 33.1	0.647	1.015	70.3	20.1	72 E	16*	66*
9 28	17 15.18	−24 55.3	0.666	1.051	67.2	20.1	75 E	17*	69*
10 3	17 47.32	−24 50.1	0.692	1.086	64.1	20.2	77 E	19*	71*
10 8	18 17.30	−24 22.5	0.724	1.120	61.2	20.2	79 E	20*	73*
10 13	18 44.98	−23 37.6	0.762	1.154	58.6	20.3	81 E	21*	74*
10 18	19 10.38	−22 40.4	0.804	1.186	56.2	20.4	82 E	22*	74*
10 23	19 33.66	−21 34.6	0.850	1.218	54.1	20.6	82 E	23*	74*
10 28	19 55.03	−20 23.2	0.899	1.248	52.1	20.7	82 E	25	74*
11 2	20 14.74	−19 8.4	0.952	1.277	50.3	20.8	82 E	26	72*
11 7	20 33.01	−17 51.7	1.006	1.305	48.7	20.9	82 E	27	71*
11 12	20 50.05	−16 33.9	1.063	1.332	47.2	21.0	81 E	28	69*
11 17	21 6.04	−15 15.9	1.121	1.358	45.8	21.2	80 E	30	66*
11 22	21 21.13	−13 57.9	1.180	1.383	44.5	21.3	79 E	31	64*
11 27	21 35.45	−12 40.2	1.241	1.406	43.2	21.4	77 E	32	61*
12 2	21 49.14	−11 23.0	1.302	1.429	42.0	21.5	76 E	34	59*
351331 2004 XH_{29}									
4 26	4 56.47	+ 9 30.2	1.580	1.037	38.6	21.3	40 E	19*	30*
5 6	5 27.69	+ 9 42.6	1.506	0.952	41.3	21.1	39 E	16*	30*
5 16	6 2.08	+ 9 46.3	1.413	0.870	45.2	20.9	38 E	12*	30*
5 26	6 40.05	+ 9 43.9	1.305	0.796	50.9	20.7	38 E	10*	30*
6 5	7 21.99	+ 9 42.6	1.182	0.735	58.5	20.5	38 E	9*	31*

351331 2004 XH_{29} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 10	7 44.57	+ 9 46.3	1.118	0.713	62.9	20.4	39 E	8*	32*
6 15	8 8.29	+ 9 55.8	1.052	0.697	67.5	20.4	39 E	9*	32*
6 20	8 33.17	+10 13.4	0.986	0.688	72.3	20.4	40 E	10*	33*
6 25	8 59.27	+10 41.3	0.922	0.687	76.8	20.4	41 E	11*	34*
6 30	9 26.66	+11 20.9	0.861	0.694	80.9	20.4	42 E	13*	34*
7 5	9 55.42	+12 12.1	0.805	0.708	84.2	20.4	44 E	15*	35*
7 10	10 25.64	+13 13.3	0.755	0.729	86.5	20.4	46 E	18*	36*
7 15	10 57.34	+14 20.9	0.713	0.756	87.5	20.4	48 E	22*	37*
7 20	11 30.41	+15 29.6	0.679	0.788	87.4	20.4	51 E	26*	37*
7 25	12 4.62	+16 33.1	0.653	0.823	86.2	20.4	54 E	30*	38*
7 30	12 39.54	+17 24.9	0.637	0.861	83.9	20.3	57 E	34*	39*
8 4	13 14.63	+17 59.6	0.629	0.901	81.0	20.3	61 E	38*	40*
8 9	13 49.24	+18 13.8	0.630	0.942	77.5	20.3	65 E	42*	42*
8 14	14 22.77	+18 6.8	0.639	0.984	73.8	20.3	69 E	46*	43*
8 19	14 54.72	+17 40.4	0.654	1.027	70.1	20.3	73 E	49*	44*
8 24	15 24.79	+16 57.8	0.676	1.069	66.4	20.3	76 E	51*	45*
8 29	15 52.82	+16 2.7	0.704	1.112	63.0	20.4	79 E	53*	47*
9 3	16 18.86	+14 58.9	0.737	1.154	59.8	20.5	81 E	54*	48*
9 8	16 43.00	+13 50.0	0.775	1.195	56.8	20.6	83 E	54*	49*
9 13	17 5.42	+12 39.2	0.816	1.236	54.2	20.7	85 E	55*	50*
9 18	17 26.30	+11 28.7	0.862	1.275	51.8	20.8	86 E	54*	51*
9 23	17 45.80	+10 20.4	0.911	1.314	49.7	20.9	87 E	54*	52*
9 28	18 4.11	+ 9 15.4	0.962	1.352	47.7	21.1	87 E	53*	53*
10 3	18 21.40	+ 8 14.7	1.017	1.389	46.0	21.2	87 E	53*	54*
10 8	18 37.79	+ 7 19.0	1.075	1.426	44.4	21.3	87 E	52*	54*
10 13	18 53.42	+ 6 28.6	1.135	1.461	43.0	21.5	86 E	51*	54*

380636 2004 XN_{14}

4 26	5 42.32	+30 1.3	0.853	0.809	74.5	21.5	51 E	41*	23*
5 1	5 58.95	+31 5.5	0.818	0.786	77.8	21.5	50 E	40*	22*
5 6	6 15.42	+32 4.3	0.780	0.763	81.7	21.4	48 E	38*	22*
5 11	6 31.46	+32 57.7	0.737	0.743	86.0	21.4	47 E	37*	21*
5 16	6 46.72	+33 45.8	0.692	0.725	91.1	21.4	46 E	36*	20*
5 21	7 0.71	+34 29.1	0.644	0.709	96.7	21.5	44 E	34*	19*

399325 1999 GY_5

4 26	6 33.49	+ 9 51.4	0.496	0.902	86.9	21.2	64 E	36*	47*
4 28	6 52.83	+10 40.6	0.497	0.926	84.4	21.2	66 E	38*	48*
4 30	7 11.96	+11 25.3	0.501	0.949	81.7	21.1	69 E	40*	48*
5 2	7 30.68	+12 4.9	0.507	0.971	79.1	21.1	71 E	42*	49*
5 4	7 48.87	+12 39.0	0.516	0.994	76.6	21.1	74 E	43*	49*
5 6	8 6.39	+13 7.5	0.528	1.016	74.1	21.1	76 E	45*	50*
5 11	8 46.78	+13 55.2	0.566	1.070	68.5	21.2	80 E	47*	50*
5 16	9 21.98	+14 14.2	0.616	1.121	63.6	21.4	83 E	49*	50
5 21	9 52.25	+14 11.9	0.673	1.171	59.5	21.5	85 E	49*	50
5 26	10 18.24	+13 54.9	0.737	1.218	56.1	21.7	87 E	49*	50

419624 2010 SO_{16}

4 26	7 12.93	+38 40.1	0.392	0.946	87.2	21.4	70 E	61*	24*
5 1	7 38.47	+35 15.3	0.379	0.951	87.4	21.4	71 E	59*	28*
5 6	8 2.32	+31 19.2	0.368	0.956	87.4	21.3	71 E	57*	32*
5 11	8 24.52	+26 55.8	0.359	0.961	87.3	21.3	72 E	53*	36*
5 16	8 45.15	+22 10.6	0.353	0.967	86.9	21.2	73 E	49*	41*
5 21	9 4.37	+17 9.4	0.348	0.973	86.3	21.2	74 E	45*	46*
5 26	9 22.32	+11 58.5	0.346	0.979	85.6	21.2	75 E	39*	51*
5 31	9 39.19	+ 6 44.2	0.346	0.986	84.7	21.1	75 E	34*	56*
6 5	9 55.21	+ 1 32.3	0.349	0.992	83.7	21.1	76 E	29*	61*
6 10	10 10.57	− 3 32.3	0.353	0.999	82.6	21.1	77 E	23*	65*
6 15	10 25.47	− 8 26.2	0.359	1.005	81.5	21.1	78 E	18*	69*
6 20	10 40.07	−13 6.7	0.366	1.011	80.3	21.1	79 E	14*	72*
6 25	10 54.50	−17 32.2	0.374	1.018	79.2	21.2	80 E	9*	74*
6 30	11 8.94	−21 41.7	0.383	1.024	78.1	21.2	80 E	5*	74*
7 5	11 23.56	−25 35.0	0.393	1.030	77.0	21.2	81 E	2*	73*
7 10	11 38.52	−29 12.6	0.403	1.036	76.0	21.3	81 E	—	72*
7 15	11 53.99	−32 35.1	0.413	1.041	75.1	21.3	82 E	—	70*
7 20	12 10.10	−35 43.1	0.423	1.047	74.1	21.3	82 E	—	68*
7 25	12 27.00	−38 36.7	0.433	1.052	73.3	21.4	83 E	—	66*
7 30	12 44.84	−41 16.0	0.443	1.056	72.5	21.4	83 E	—	64*
8 4	13 3.80	−43 41.0	0.452	1.060	71.8	21.4	83 E	—	62*
8 9	13 24.03	−45 51.6	0.461	1.064	71.1	21.4	83 E	—	61*
8 14	13 45.63	−47 47.2	0.469	1.068	70.5	21.5	84 E	—	60*
8 19	14 8.67	−49 26.9	0.477	1.071	70.0	21.5	84 E	—	59*

144908 2004 YH_{32}

4 26	15 0.81	−29 49.5	10.656	11.608	1.7	23.6	160 W	15	86
5 6	14 56.70	−29 47.4	10.609	11.592	1.2	23.5	167 W	15	86
5 16	14 52.56	−29 42.6	10.592	11.576	1.2	23.5	166 E	15	86
5 26	14 48.53	−29 35.7	10.605	11.560	1.8	23.6	160 E	15	86
6 5	14 44.77	−29 27.3	10.648	11.544	2.5	23.6	151 E	16	87

289315 2005 AN_{26}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	15 5.34	−12 3.3	2.451	3.440	3.7	23.5	167 W	33	76
5 6	14 55.34	−11 11.6	2.402	3.407	1.6	23.3	175 W	34	75
5 16	14 45.07	−10 20.9	2.384	3.373	4.2	23.4	166 E	35	74
5 26	14 35.34	− 9 35.2	2.396	3.338	7.6	23.6	154 E	35	74
6 5	14 26.87	− 8 57.9	2.436	3.301	10.7	23.7	143 E	36	73

464941 2005 UT_{397}

4 26	15 8.35	−15 40.8	2.747	3.733	3.6	22.5	167 W	29	80
5 6	14 59.71	−15 19.0	2.720	3.728	0.6	22.2	178 W	30	79
5 16	14 50.94	−14 56.4	2.723	3.722	2.8	22.4	170 E	30	79
5 26	14 42.71	−14 35.7	2.757	3.716	5.8	22.6	158 E	30	79
6 5	14 35.62	−14 19.2	2.818	3.708	8.6	22.8	147 E	31	78

400196 2006 YL_{13}

4 26	15 8.69	−54 53.4	2.831	3.634	10.9	22.4	137 W	—	61
5 1	15 2.00	−54 56.3	2.809	3.636	10.3	22.4	140 W	—	61
5 6	14 55.08	−54 52.2	2.793	3.638	9.9	22.4	142 W	—	61
5 11	14 48.13	−54 41.0	2.783	3.639	9.6	22.4	143 E	—	61
5 16	14 41.32	−54 23.1	2.779	3.641	9.5	22.4	143 E	—	62
5 21	14 34.82	−53 58.9	2.781	3.642	9.6	22.4	143 E	—	62
5 26	14 28.79	−53 29.1	2.789	3.643	9.8	22.4	142 E	—	63
5 31	14 23.34	−52 54.6	2.803	3.643	10.2	22.4	141 E	—	63
6 5	14 18.56	−52 16.2	2.823	3.644	10.7	22.4	138 E	—	64

530099 2010 XJ_{51}

4 26	15 12.16	−52 9.1	2.952	3.775	10.0	23.6	140 W	—	64
5 1	15 6.06	−52 5.6	2.924	3.772	9.4	23.5	142 W	—	64
5 6	14 59.76	−51 55.9	2.902	3.769	8.9	23.5	144 W	—	64
5 11	14 53.40	−51 39.8	2.886	3.766	8.6	23.5	146 E	—	64
5 16	14 47.14	−51 17.5	2.877	3.763	8.5	23.5	147 E	—	65
5 21	14 41.13	−50 49.5	2.874	3.759	8.6	23.5	146 E	—	65
5 26	14 35.51	−50 16.5	2.878	3.755	8.8	23.5	145 E	—	66

35670 1998 SU_{27}

4 26	15 13.63	−26 11.2	1.706	2.678	7.0	23.1	161 W	19	90
5 1	15 6.87	−25 41.4	1.712	2.703	4.9	23.0	167 W	19	90
5 6	15 0.10	−25 8.3	1.726	2.727	3.3	23.0	171 W	20	89
5 11	14 53.48	−24 32.6	1.747	2.751	2.9	23.0	172 E	20	89
5 16	14 47.18	−23 55.3	1.775	2.774	4.1	23.1	169 E	21	88
5 21	14 41.33	−23 17.5	1.811	2.797	5.9	23.3	164 E	22	87
5 26	14 36.05	−22 40.1	1.854	2.819	7.8	23.4	158 E	22	87

489152 2006 DC_{217}

4 26	15 14.60	−41 33.6	1.962	2.871	10.4	22.5	149 W	3	74
5 1	15 7.76	−41 43.8	1.954	2.883	9.4	22.5	152 W	3	74
5 6	15 0.69	−41 47.1	1.952	2.896	8.6	22.5	155 W	3	74
5 11	14 53.59	−41 43.5	1.957	2.908	8.2	22.4	156 E	3	74
5 16	14 46.66	−41 33.4	1.969	2.920	8.2	22.5	156 E	3	74
5 21	14 40.07	−41 17.5	1.988	2.932	8.7	22.5	154 E	4	75
5 26	14 34.00	−40 56.8	2.014	2.943	9.5	22.6	151 E	4	75

402267 2005 QE_{166}

4 26	15 16.77	− 7 26.1	3.032	4.007	4.1	22.8	163 W	38	71
5 6	15 8.98	− 6 37.2	3.029	4.025	2.7	22.7	169 W	38	71
5 16	15 1.12	− 5 53.7	3.057	4.043	3.7	22.8	165 E	39	70
5 26	14 53.75	− 5 18.3	3.115	4.059	5.9	23.0	156 E	40	69
6 5	14 47.35	− 4 52.5	3.201	4.075	8.2	23.1	145 E	40	69

527671 2007 WF_{55}

4 26	15 23.93	−39 47.6	2.575	3.479	8.5	24.4	149 W	5	76
5 1	15 18.52	−39 34.7	2.538	3.468	7.5	24.4	153 W	5	76
5 6	15 12.85	−39 16.5	2.507	3.457	6.6	24.3	157 W	6	77
5 11	15 7.04	−38 53.1	2.484	3.446	6.1	24.2	159 E	6	77
5 16	15 1.22	−38 24.7	2.468	3.434	5.9	24.2	160 E	7	78
5 21	14 55.53	−37 51.7	2.460	3.422	6.2	24.2	159 E	7	78
5 26	14 50.09	−37 14.8	2.458	3.409	6.9	24.2	156 E	8	79

136993 1998 ST_{49}

4 26	15 24.35	−38 36.2	2.665	3.575	8.0	23.2	150 W	6	77
5 1	15 18.17	−38 40.8	2.649	3.583	7.0	23.1	154 W	6	77
5 6	15 11.77	−38 40.6	2.639	3.591	6.2	23.1	157 W	6	77
5 11	15 5.28	−38 35.6	2.637	3.598	5.7	23.0	159 E	6	77
5 16	14 58.84	−38 25.9	2.642	3.606	5.7	23.0	159 E	7	78
5 21	14 52.58	−38 12.0	2.654	3.613	6.0	23.1	158 E	7	78
5 26	14 46.62	−37 54.5	2.675	3.619	6.7	23.1	155 E	7	78

443802 1997 RH_{13}

4 26	15 25.55	−12 40.3	2.152	3.126	5.6	22.9	162 W	32	77
5 6	15 16.37	−11 53.2	2.129	3.132	2.4	22.7	172 W	33	76
5 16	15 6.86	−11 8.1	2.136	3.137	3.1	22.7	170 E	34	75
5 26	14 57.88	−10 29.1	2.172	3.141	6.5	23.0	160 E	35	74
6 5	14 50.17	− 9 59.1	2.235	3.144	9.8	23.2	148 E	35	74

523669 2012 XS_{134}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	15 25.57	− 1 52.7	1.711	2.674	7.8	22.3	159 W	43	66
5 6	15 13.56	− 1 36.6	1.649	2.634	6.0	22.1	164 W	43	66
5 16	15 0.47	− 1 34.3	1.616	2.593	7.3	22.0	161 E	43	66
5 26	14 47.58	− 1 49.0	1.612	2.551	10.7	22.1	152 E	43	66
6 5	14 36.06	− 2 22.1	1.633	2.507	14.6	22.3	141 E	43	66

309203 2007 GG

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 27.05	−11 17.3	2.594	3.565	5.0	22.9	162 W	34	75
5 6	15 18.05	−10 38.9	2.598	3.599	2.4	22.7	171 W	34	75
5 16	15 8.94	−10 3.9	2.633	3.632	2.9	22.8	170 E	35	74
5 26	15 0.41	− 9 35.0	2.697	3.664	5.6	23.0	160 E	35	74
6 5	14 53.05	− 9 14.2	2.790	3.694	8.2	23.2	149 E	36	73

496816 1989 UP

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 27.42	−18 7.3	1.566	2.541	7.2	24.0	162 W	27	82
5 1	15 20.88	−17 49.0	1.560	2.555	4.7	23.9	168 W	27	82
5 6	15 14.13	−17 29.2	1.562	2.568	2.1	23.8	175 W	28	81
5 11	15 7.35	−17 8.3	1.570	2.580	0.4	23.6	179 E	28	81
5 16	15 0.71	−16 47.2	1.587	2.592	2.9	23.9	172 E	28	81
5 21	14 54.38	−16 26.4	1.610	2.604	5.4	24.1	166 E	29	80
5 26	14 48.52	−16 6.7	1.641	2.615	7.7	24.2	160 E	29	80

435548 2008 QT_3

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 27.44	−26 37.8	1.839	2.799	7.7	22.9	158 W	18	89
5 1	15 21.24	−26 13.9	1.832	2.814	5.7	22.8	164 W	19	90
5 6	15 14.86	−25 46.5	1.831	2.829	3.8	22.7	169 W	19	90
5 11	15 8.46	−25 16.1	1.839	2.843	2.7	22.7	173 E	20	89
5 16	15 2.20	−24 43.3	1.853	2.857	3.1	22.7	171 E	20	89
5 21	14 56.23	−24 9.1	1.876	2.870	4.6	22.9	167 E	21	88
5 26	14 50.69	−23 34.2	1.905	2.883	6.5	23.0	161 E	21	88

508861 2002 RN_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 30.77	−23 31.5	5.428	6.378	3.2	25.3	159 W	21	88
5 6	15 25.13	−23 13.3	5.386	6.380	1.6	25.2	170 W	22	87
5 16	15 19.28	−22 51.9	5.374	6.382	0.7	25.1	175 E	22	87
5 26	15 13.54	−22 28.6	5.394	6.384	2.1	25.2	167 E	23	86
6 5	15 8.21	−22 4.6	5.444	6.385	3.7	25.4	156 E	23	86

524606 2003 QT_{79}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 31.32	−14 0.9	2.051	3.021	6.2	22.4	161 W	31	78
5 6	15 21.68	−13 32.1	1.989	2.991	2.6	22.2	172 W	31	78
5 16	15 11.18	−13 2.9	1.955	2.960	2.6	22.1	172 E	32	77
5 26	15 0.80	−12 36.7	1.951	2.928	6.4	22.3	161 E	32	77
6 5	14 51.47	−12 16.9	1.974	2.895	10.2	22.4	150 E	33	76

455396 2003 AB_{20}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 33.92	−16 17.3	2.319	3.285	5.9	22.8	160 W	29	80
5 6	15 25.31	−15 29.2	2.305	3.307	2.5	22.6	172 W	30	79
5 16	15 16.36	−14 40.5	2.320	3.328	1.7	22.6	174 E	30	79
5 26	15 7.87	−13 55.0	2.365	3.348	5.0	22.8	163 E	31	78
6 5	15 0.53	−13 16.1	2.438	3.368	8.1	23.0	152 E	32	77

463282 2012 HR_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 34.08	+ 3 8.6	3.191	4.119	6.1	23.2	154 W	48	61
5 6	15 24.96	+ 3 35.0	3.185	4.140	5.2	23.1	158 W	49	60
5 16	15 15.59	+ 3 50.5	3.210	4.159	5.5	23.2	157 E	49	60
5 26	15 6.58	+ 3 53.5	3.266	4.177	6.9	23.3	150 E	49	60
6 5	14 58.45	+ 3 43.9	3.349	4.194	8.6	23.4	142 E	49	60

440242 2004 RX_9

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 39.67	−25 41.9	2.377	3.324	7.0	23.0	156 W	19	90
5 1	15 34.90	−25 34.1	2.356	3.329	5.4	22.9	162 W	19	90
5 6	15 29.86	−25 23.9	2.343	3.334	3.8	22.8	167 W	20	89
5 11	15 24.68	−25 11.3	2.336	3.339	2.4	22.7	172 W	20	89
5 16	15 19.45	−24 56.7	2.337	3.344	2.0	22.7	174 E	20	89
5 21	15 14.31	−24 40.4	2.346	3.348	2.9	22.8	170 E	20	89
5 26	15 9.36	−24 22.9	2.362	3.352	4.4	22.9	165 E	21	88
5 31	15 4.70	−24 4.8	2.386	3.356	5.9	23.0	160 E	21	88

447334 2005 YA_{47}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 42.52	−27 55.2	1.850	2.793	8.9	22.4	155 W	17	88
5 1	15 37.75	−27 46.0	1.816	2.785	7.0	22.2	160 W	17	88
5 6	15 32.57	−27 33.1	1.789	2.777	5.2	22.1	165 W	17	88
5 11	15 27.09	−27 16.6	1.770	2.769	3.7	22.0	170 W	18	89
5 16	15 21.48	−26 56.7	1.757	2.761	3.0	21.9	172 E	18	89
5 21	15 15.89	−26 33.9	1.751	2.753	3.8	22.0	170 E	18	89
5 26	15 10.47	−26 8.9	1.752	2.744	5.4	22.1	165 E	19	90
5 31	15 5.35	−25 42.3	1.760	2.735	7.3	22.1	160 E	19	90
6 5	15 0.67	−25 14.9	1.775	2.726	9.2	22.2	155 E	20	89
6 10	14 56.52	−24 47.5	1.796	2.717	11.1	22.3	149 E	20	89

410650 2008 SQ_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	15 42.77	−24 46.1	3.692	4.630	5.0	25.1	156 W	20	89
5 6	15 35.39	−24 21.6	3.650	4.639	2.8	24.9	167 W	21	88
5 16	15 27.58	−23 51.7	3.638	4.646	1.1	24.8	175 E	21	88
5 26	15 19.87	−23 18.2	3.657	4.653	2.6	24.9	168 E	22	87
6 5	15 12.77	−22 43.2	3.707	4.659	4.8	25.1	157 E	22	87

539063 2016 MK_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 43.93	− 5 58.4	1.499	2.455	9.4	22.6	157 W	39	70
5 1	15 36.16	− 5 12.9	1.492	2.469	7.4	22.5	162 W	40	69
5 6	15 28.09	− 4 29.6	1.493	2.482	6.0	22.4	165 W	41	68
5 11	15 19.93	− 3 49.4	1.502	2.494	5.7	22.4	166 W	41	68
5 16	15 11.88	− 3 13.3	1.519	2.505	6.6	22.5	164 E	42	67
5 21	15 4.13	− 2 42.1	1.543	2.515	8.2	22.6	159 E	42	67
5 26	14 56.86	− 2 16.3	1.575	2.524	10.2	22.8	154 E	43	66
5 31	14 50.19	− 1 56.1	1.613	2.533	12.1	22.9	148 E	43	66

363135 2001 QQ_{199}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 44.98	− 0 40.9	6.580	7.497	3.4	21.5	154 W	44	65
5 6	15 40.99	− 0 2.7	6.537	7.490	2.7	21.4	160 W	45	64
5 16	15 36.75	+ 0 31.5	6.523	7.483	2.6	21.4	160 W	46	63
5 26	15 32.48	+ 1 0.6	6.539	7.476	3.2	21.5	156 E	46	63
6 5	15 28.42	+ 1 23.8	6.583	7.468	4.1	21.5	149 E	46	63
6 15	15 24.74	+ 1 40.6	6.654	7.461	5.0	21.6	140 E	47	62

417634 2006 XG_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 46.73	−27 40.6	2.289	3.224	7.9	23.4	154 W	17	88
5 6	15 35.48	−27 55.4	2.197	3.181	4.8	23.1	165 W	17	88
5 16	15 22.74	−27 58.6	2.134	3.136	2.9	22.9	171 E	17	88
5 26	15 9.56	−27 50.3	2.102	3.090	5.0	23.0	165 E	17	88
6 5	14 57.07	−27 32.7	2.100	3.043	8.5	23.1	154 E	17	88

491565 2012 QF_{49}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 48.94	−37 41.4	2.472	3.366	9.2	22.6	148 W	7	78
5 1	15 42.90	−37 59.1	2.443	3.368	8.0	22.5	152 W	7	78
5 6	15 36.43	−38 12.2	2.422	3.369	7.0	22.5	156 W	7	78
5 11	15 29.68	−38 20.5	2.407	3.370	6.1	22.4	159 W	7	78
5 16	15 22.77	−38 23.8	2.401	3.371	5.7	22.4	161 E	7	78
5 21	15 15.88	−38 22.3	2.401	3.371	5.8	22.4	160 E	7	78
5 26	15 9.16	−38 16.3	2.409	3.371	6.4	22.4	158 E	7	78
5 31	15 2.73	−38 6.2	2.425	3.371	7.3	22.5	155 E	7	78

154453 2003 CJ_{11}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 50.69	−16 28.2	3.729	4.668	5.0	21.8	156 W	29	80
5 6	15 42.27	−16 9.0	3.689	4.680	2.6	21.7	168 W	29	80
5 16	15 33.37	−15 48.5	3.681	4.691	0.7	21.5	177 W	29	80
5 26	15 24.52	−15 28.3	3.706	4.701	2.6	21.7	168 E	30	79
6 5	15 16.23	−15 9.9	3.763	4.709	5.0	21.9	156 E	30	79
6 15	15 8.92	−14 55.0	3.849	4.717	7.1	22.0	145 E	30	79

333510 2005 MD

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 52.01	+ 1 16.7	1.695	2.623	10.5	22.6	152 W	46	63
5 1	15 46.45	+ 2 17.3	1.660	2.608	9.5	22.5	155 W	47	62
5 6	15 40.37	+ 3 15.9	1.633	2.591	8.8	22.4	157 W	48	61
5 11	15 33.90	+ 4 11.3	1.613	2.574	8.7	22.4	157 W	49	60
5 16	15 27.18	+ 5 2.0	1.600	2.556	9.3	22.4	156 E	50	59
5 21	15 20.40	+ 5 47.1	1.594	2.538	10.4	22.4	153 E	51	58
5 26	15 13.70	+ 6 25.6	1.595	2.519	11.9	22.4	149 E	51	58
5 31	15 7.24	+ 6 57.0	1.603	2.499	13.6	22.5	145 E	52	57

531277 2012 MM_{11}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 52.87	−21 37.6	1.453	2.403	10.2	23.7	155 W	23	86
5 6	15 40.57	−20 52.4	1.341	2.336	5.3	23.2	168 W	24	85
5 16	15 25.43	−19 50.6	1.255	2.266	0.7	22.7	178 E	25	84
5 26	15 8.87	−18 34.9	1.199	2.194	6.8	22.9	165 E	26	83
6 5	14 52.72	−17 12.3	1.171	2.119	13.2	23.0	152 E	28	81

310777 2002 ST_{19}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
4 26	15 54.24	+14 50.3	2.476	3.330	10.6	21.7	142 W	60	49
5 1	15 50.30	+15 28.6	2.476	3.344	10.2	21.6	144 W	60	49
5 6	15 46.12	+16 1.7	2.482	3.357	10.0	21.6	145 W	61	48
5 11	15 41.80	+16 29.1	2.494	3.371	9.9	21.7	145 W	61	48
5 16	15 37.42	+16 50.5	2.513	3.384	10.1	21.7	144 W	62	47
5 21	15 33.09	+17 5.5	2.537	3.397	10.4	21.7	143 E	62	47
5 26	15 28.90	+17 14.1	2.568	3.409	10.9	21.8	140 E	62	47
5 31	15 24.91	+17 16.6	2.604	3.422	11.5	21.9	138 E	62	47
6 5	15 21.21	+17 13.1	2.645	3.434	12.2	21.9	135 E	62	47
6 10	15 17.86	+17 4.0	2.692	3.446	12.8	22.0	131 E	62	47
6 15	15 14.90	+16 49.6	2.743	3.457	13.5	22.1	128 E	62	47

338172 2002 RV_{112}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	15 59.95	− 6 19.1	2.242	3.171	8.3	22.1	153 W	39	70
5 6	15 51.30	− 5 4.7	2.178	3.151	5.8	21.9	161 W	40	69
5 16	15 41.53	− 3 55.2	2.143	3.130	4.9	21.8	165 W	41	68
5 26	15 31.47	− 2 55.8	2.138	3.107	6.6	21.9	159 E	42	67
6 5	15 21.99	− 2 10.3	2.161	3.083	9.4	22.0	150 E	43	66
6 15	15 13.83	− 1 41.1	2.210	3.058	12.3	22.2	140 E	43	66

306865 2001 SS_{263}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 0.09	−40 35.1	2.948	3.810	8.9	21.5	144 W	4	75
5 1	15 55.54	−40 40.8	2.916	3.812	7.9	21.4	149 W	4	75
5 6	15 50.63	−40 42.5	2.891	3.815	7.0	21.3	153 W	4	75
5 11	15 45.47	−40 40.1	2.872	3.817	6.2	21.3	156 W	4	75
5 16	15 40.16	−40 33.4	2.861	3.819	5.6	21.2	158 W	4	75
5 21	15 34.81	−40 22.7	2.857	3.821	5.3	21.2	159 E	5	76
5 26	15 29.55	−40 8.1	2.860	3.823	5.4	21.2	159 E	5	76
5 31	15 24.47	−39 50.1	2.870	3.824	5.9	21.3	157 E	5	76
6 5	15 19.68	−39 29.1	2.887	3.825	6.6	21.3	154 E	6	77
6 10	15 15.27	−39 5.6	2.911	3.826	7.5	21.4	150 E	6	77
6 15	15 11.30	−38 40.4	2.941	3.827	8.5	21.4	146 E	6	77

413199 2002 YB

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 0.77	+16 25.5	2.847	3.676	10.1	21.8	140 W	61	48
5 6	15 53.16	+17 22.7	2.832	3.687	9.5	21.7	143 W	62	47
5 16	15 44.84	+18 0.1	2.841	3.698	9.5	21.7	143 W	63	46
5 26	15 36.47	+18 15.2	2.875	3.707	10.2	21.8	140 E	63	46
6 5	15 28.69	+18 7.8	2.932	3.715	11.2	21.9	135 E	63	46
6 15	15 22.00	+17 39.5	3.010	3.723	12.4	22.0	128 E	63	46

310991 2003 WH_{84}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 1.18	−26 16.6	2.362	3.283	8.4	21.9	152 W	19	90
5 6	15 52.62	−25 48.5	2.302	3.280	5.2	21.7	163 W	19	90
5 16	15 42.99	−25 10.8	2.271	3.277	2.1	21.5	173 W	20	89
5 26	15 33.18	−24 25.6	2.269	3.272	2.9	21.6	171 E	21	88
6 5	15 24.06	−23 36.4	2.296	3.267	6.2	21.8	160 E	21	88
6 15	15 16.38	−22 47.6	2.350	3.260	9.3	21.9	149 E	22	87

453242 2008 RG_{106}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 1.44	− 9 16.1	1.139	2.087	12.5	21.6	153 W	36	73
5 1	15 58.27	− 8 37.4	1.102	2.071	10.5	21.5	158 W	36	73
5 6	15 54.41	− 7 58.7	1.070	2.055	8.5	21.3	163 W	37	72
5 11	15 49.98	− 7 20.7	1.044	2.039	6.9	21.2	166 W	38	71
5 16	15 45.13	− 6 44.9	1.024	2.023	6.3	21.1	167 W	38	71
5 21	15 40.04	− 6 12.2	1.010	2.006	7.1	21.1	166 E	39	70
5 26	15 34.92	− 5 43.8	1.001	1.990	8.9	21.1	162 E	39	70
5 31	15 29.96	− 5 20.7	0.998	1.974	11.2	21.2	158 E	40	69
6 5	15 25.35	− 5 3.4	1.000	1.958	13.7	21.2	153 E	40	69
6 10	15 21.25	− 4 52.7	1.008	1.943	16.2	21.3	148 E	40	69
6 15	15 17.83	− 4 48.8	1.019	1.927	18.7	21.4	143 E	40	69

450405 2005 SW_{265}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 1.74	−10 38.8	1.663	2.602	10.0	22.1	153 W	34	75
5 6	15 53.24	− 9 48.2	1.598	2.581	6.3	21.9	164 W	35	74
5 16	15 43.16	− 9 0.5	1.559	2.559	4.1	21.7	170 W	36	73
5 26	15 32.60	− 8 20.7	1.547	2.537	6.2	21.7	164 E	37	72
6 5	15 22.70	− 7 53.2	1.561	2.513	10.2	21.9	154 E	37	72
6 15	15 14.48	− 7 40.8	1.599	2.488	14.1	22.1	143 E	37	72

357129 2001 XU_{266}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 2.42	+ 9 28.8	2.226	3.101	10.8	22.3	145 W	54	55
5 1	15 58.53	+10 10.5	2.205	3.099	10.2	22.2	147 W	55	54
5 6	15 54.29	+10 48.3	2.190	3.096	9.8	22.2	149 W	56	53
5 11	15 49.79	+11 21.2	2.182	3.094	9.6	22.2	149 W	56	53
5 16	15 45.14	+11 48.7	2.180	3.090	9.7	22.2	149 W	57	52
5 21	15 40.43	+12 10.2	2.184	3.087	10.1	22.2	148 E	57	52
5 26	15 35.79	+12 25.4	2.195	3.083	10.7	22.2	145 E	57	52
5 31	15 31.30	+12 34.2	2.212	3.079	11.5	22.3	143 E	58	51
6 5	15 27.05	+12 36.7	2.235	3.075	12.4	22.3	139 E	58	51
6 10	15 23.14	+12 32.9	2.263	3.071	13.4	22.4	136 E	58	51
6 15	15 19.64	+12 23.3	2.296	3.066	14.3	22.4	132 E	57	52

153267 2001 CB_{32}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 3.63	−15 1.9	1.910	2.845	9.1	22.1	153 W	30	79
5 6	15 51.72	−14 34.4	1.845	2.833	5.1	21.8	165 W	30	79
5 16	15 38.28	−14 4.7	1.810	2.818	1.9	21.6	175 W	31	78
5 26	15 24.51	−13 36.2	1.806	2.801	4.8	21.7	167 E	31	78
6 5	15 11.61	−13 12.2	1.832	2.782	9.0	21.9	154 E	32	77
6 15	15 0.62	−12 56.2	1.885	2.760	13.0	22.1	142 E	32	77

448768 2011 SR_{33}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 5.04	−13 30.3	2.428	3.355	7.8	22.3	153 W	31	78
5 6	15 56.71	−13 6.9	2.381	3.362	4.8	22.1	164 W	32	77
5 16	15 47.42	−12 44.5	2.363	3.368	2.2	22.0	173 W	32	77
5 26	15 37.95	−12 25.2	2.375	3.373	3.5	22.1	168 E	33	76
6 5	15 29.07	−12 11.4	2.416	3.377	6.5	22.3	158 E	33	76
6 15	15 21.44	−12 4.6	2.484	3.380	9.5	22.4	147 E	33	76

285625 2000 RD_{34}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 9.26	−31 44.3	1.591	2.501	12.4	21.4	148 W	13	84
5 1	16 3.67	−31 38.7	1.570	2.511	10.4	21.3	153 W	13	84
5 6	15 57.51	−31 28.2	1.554	2.521	8.3	21.2	159 W	14	85
5 11	15 50.96	−31 12.7	1.544	2.530	6.4	21.1	164 W	14	85
5 16	15 44.20	−30 52.4	1.542	2.539	4.8	21.1	168 W	14	85
5 21	15 37.45	−30 27.7	1.547	2.548	4.3	21.1	169 E	15	86
5 26	15 30.89	−29 59.4	1.558	2.556	5.0	21.1	167 E	15	86
5 31	15 24.71	−29 28.4	1.577	2.564	6.6	21.2	163 E	16	87
6 5	15 19.04	−28 55.5	1.602	2.572	8.4	21.4	158 E	16	87
6 10	15 14.02	−28 21.9	1.633	2.579	10.3	21.5	153 E	17	88
6 15	15 9.73	−27 48.6	1.671	2.586	12.2	21.6	147 E	17	88

542627 2013 GK_{37}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 11.24	−35 23.1	2.099	2.984	11.0	22.5	146 W	10	81
5 1	16 5.79	−35 47.8	2.077	2.995	9.5	22.4	151 W	9	80
5 6	15 59.81	−36 8.3	2.061	3.006	8.1	22.3	155 W	9	80
5 11	15 53.43	−36 24.2	2.051	3.017	6.8	22.3	159 W	9	80
5 16	15 46.81	−36 35.3	2.049	3.027	5.9	22.2	162 W	8	79
5 21	15 40.12	−36 41.4	2.054	3.037	5.5	22.2	163 E	8	79
5 26	15 33.51	−36 42.9	2.066	3.047	5.8	22.3	162 E	8	79
5 31	15 27.15	−36 40.0	2.086	3.057	6.6	22.3	160 E	8	79
6 5	15 21.18	−36 33.3	2.112	3.066	7.8	22.4	156 E	8	79

443885 2001 UX_{135}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 11.66	−20 37.3	2.032	2.953	9.5	22.0	151 W	24	85
5 6	16 2.76	−20 35.2	1.969	2.947	5.8	21.8	163 W	24	85
5 16	15 52.36	−20 28.1	1.932	2.941	1.8	21.5	175 W	25	84
5 26	15 41.45	−20 17.1	1.925	2.933	2.4	21.5	173 E	25	84
6 5	15 31.05	−20 4.7	1.946	2.925	6.5	21.8	161 E	25	84
6 15	15 22.11	−19 53.6	1.995	2.915	10.2	22.0	149 E	25	84

419922 2011 BJ_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 12.79	−12 56.4	2.064	2.985	9.4	22.3	151 W	32	77
5 6	16 3.77	−12 0.2	1.955	2.931	6.1	22.0	162 W	33	76
5 16	15 52.86	−11 1.2	1.873	2.875	3.4	21.7	170 W	34	75
5 26	15 40.91	−10 3.6	1.821	2.817	4.7	21.7	167 E	35	74
6 5	15 28.97	− 9 12.1	1.799	2.758	8.6	21.8	156 E	36	73
6 15	15 18.11	− 8 31.2	1.805	2.697	12.6	21.9	144 E	36	73

397827 2008 SP_{148}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 13.52	− 5 28.9	2.301	3.208	9.2	21.5	149 W	40	69
5 6	16 5.64	− 4 4.0	2.256	3.213	6.7	21.3	158 W	41	68
5 16	15 56.69	− 2 45.7	2.239	3.218	5.4	21.2	163 W	42	67
5 26	15 47.45	− 1 39.1	2.252	3.222	6.2	21.3	160 E	43	66
6 5	15 38.69	− 0 47.8	2.293	3.224	8.5	21.4	152 E	44	65
6 15	15 31.12	− 0 13.8	2.360	3.225	11.1	21.6	142 E	45	64

277142 2005 LG_{8}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 15.17	− 5 18.3	2.042	2.950	10.1	21.3	149 W	40	69
5 1	16 9.42	− 4 27.8	1.993	2.931	8.7	21.1	154 W	41	68
5 6	16 3.09	− 3 37.2	1.951	2.912	7.4	21.0	158 W	41	68
5 11	15 56.27	− 2 47.2	1.917	2.892	6.4	20.9	161 W	42	67
5 16	15 49.09	− 1 58.7	1.892	2.872	6.1	20.9	162 W	43	66
5 21	15 41.69	− 1 12.8	1.874	2.850	6.7	20.8	161 E	44	65
5 26	15 34.22	− 0 30.2	1.865	2.828	7.9	20.9	158 E	44	65
5 31	15 26.85	+ 0 8.1	1.864	2.805	9.5	20.9	153 E	45	64
6 5	15 19.70	+ 0 41.7	1.871	2.782	11.2	21.0	148 E	46	63
6 10	15 12.93	+ 1 9.9	1.884	2.757	13.0	21.0	142 E	46	63
6 15	15 6.65	+ 1 32.6	1.904	2.732	14.8	21.1	137 E	47	62
6 20	15 0.97	+ 1 49.7	1.929	2.706	16.5	21.2	131 E	47	62
6 25	14 55.94	+ 2 1.2	1.960	2.680	18.0	21.2	125 E	47	62
6 30	14 51.62	+ 2 7.4	1.994	2.652	19.4	21.3	120 E	47*	62
7 5	14 48.03	+ 2 8.7	2.031	2.624	20.6	21.4	115 E	47*	62
7 10	14 45.18	+ 2 5.4	2.071	2.595	21.7	21.4	110 E	46*	62
7 15	14 43.07	+ 1 57.9	2.112	2.564	22.6	21.4	105 E	44*	62
7 20	14 41.68	+ 1 46.7	2.155	2.533	23.3	21.5	100 E	43*	62

491653 2012 TT_{254}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	16 16.88	−16 2.7	1.678	2.599	11.1	21.9	150 W	29	80
5 1	16 12.59	−15 9.4	1.662	2.614	9.1	21.8	156 W	30	79
5 6	16 7.85	−14 15.1	1.652	2.628	7.0	21.7	162 W	31	78
5 11	16 2.81	−13 20.8	1.649	2.642	5.0	21.6	167 W	32	77
5 16	15 57.60	−12 27.2	1.653	2.656	3.5	21.5	171 W	33	76

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
491653 2012 TT_{254} *(continuation)*									
5 21	15 52.38	−11 35.5	1.665	2.670	3.2	21.6	171 W	33	76
5 26	15 47.27	−10 46.5	1.683	2.683	4.4	21.7	168 E	34	75
5 31	15 42.42	−10 0.9	1.709	2.696	6.2	21.8	163 E	35	74
6 5	15 37.92	− 9 19.3	1.742	2.709	8.1	21.9	158 E	36	73
6 10	15 33.88	− 8 42.4	1.781	2.722	9.9	22.1	152 E	36	73
6 15	15 30.37	− 8 10.4	1.827	2.735	11.7	22.2	147 E	37	72
6 20	15 27.45	− 7 43.4	1.877	2.747	13.3	22.3	142 E	37	72
431760 2008 HE									
4 26	16 18.36	−16 17.3	1.814	2.730	10.7	22.2	150 W	29	80
5 6	16 3.42	−15 9.8	1.660	2.641	6.5	21.8	163 W	30	79
5 16	15 44.76	−13 47.3	1.539	2.547	2.5	21.3	174 W	31	78
5 26	15 23.49	−12 12.6	1.455	2.449	5.9	21.3	166 E	33	76
6 5	15 1.35	−10 32.7	1.407	2.347	12.1	21.4	151 E	34	75
6 15	14 40.33	− 8 57.4	1.392	2.240	18.3	21.5	136 E	36	73
468684 2009 QY_{33}									
4 26	16 21.52	+22 58.1	0.875	1.720	25.8	21.7	132 W	68	41
5 1	16 15.31	+24 23.7	0.879	1.733	25.0	21.7	133 W	69	40
5 6	16 8.36	+25 33.7	0.887	1.746	24.5	21.7	134 W	71	38
5 11	16 0.90	+26 26.3	0.899	1.759	24.3	21.7	134 W	71	38
5 16	15 53.24	+27 0.7	0.915	1.771	24.4	21.8	134 W	72	37
5 21	15 45.66	+27 16.6	0.934	1.782	24.7	21.9	133 E	72	37
5 26	15 38.45	+27 14.8	0.957	1.793	25.2	21.9	131 E	72	37
5 31	15 31.82	+26 56.6	0.983	1.803	25.9	22.0	129 E	72	37
6 5	15 25.95	+26 23.6	1.012	1.813	26.6	22.1	127 E	71	38
6 10	15 20.97	+25 37.7	1.045	1.822	27.4	22.2	124 E	71	38
6 15	15 16.96	+24 40.7	1.080	1.831	28.1	22.3	122 E	70	39
393413 2001 QL_{102}									
4 26	16 22.62	−23 16.2	1.351	2.268	13.6	21.3	148 W	22	87
5 6	16 15.46	−23 9.6	1.264	2.236	9.2	21.0	159 W	22	87
5 16	16 5.54	−22 53.3	1.200	2.205	4.1	20.6	171 W	22	87
5 26	15 54.00	−22 28.0	1.161	2.172	1.9	20.3	176 E	23	86
5 31	15 48.10	−22 12.7	1.151	2.156	4.7	20.5	170 E	23	86
6 5	15 42.39	−21 56.5	1.146	2.140	7.5	20.6	164 E	23	86
6 10	15 37.06	−21 39.9	1.148	2.124	10.3	20.7	158 E	23	86
6 15	15 32.30	−21 24.0	1.156	2.107	13.1	20.8	152 E	24	85
6 20	15 28.26	−21 9.4	1.168	2.091	15.6	20.9	146 E	24	85
6 25	15 25.06	−20 56.8	1.185	2.075	18.0	21.0	141 E	24	85
6 30	15 22.75	−20 46.7	1.206	2.058	20.3	21.1	135 E	24	85
7 5	15 21.38	−20 39.5	1.231	2.042	22.3	21.2	130 E	24	85
7 10	15 20.98	−20 35.5	1.259	2.026	24.1	21.3	125 E	24*	85
7 15	15 21.54	−20 34.9	1.289	2.009	25.7	21.3	121 E	24*	85
7 20	15 23.05	−20 37.5	1.321	1.993	27.2	21.4	116 E	24*	85
7 25	15 25.46	−20 43.2	1.355	1.977	28.4	21.5	112 E	23*	85
415818 2001 QX_{151}									
4 26	16 23.20	−56 41.6	2.629	3.367	13.2	21.8	130 W	—	59
5 1	16 17.78	−56 59.3	2.584	3.358	12.6	21.7	134 W	—	59
5 6	16 11.58	−57 11.0	2.543	3.349	11.9	21.7	137 W	—	59
5 11	16 4.76	−57 15.9	2.508	3.339	11.4	21.6	139 W	—	59
5 16	15 57.48	−57 13.4	2.478	3.330	10.9	21.6	141 W	—	59
5 21	15 49.96	−57 3.2	2.455	3.320	10.6	21.5	143 E	—	59
5 26	15 42.42	−56 45.1	2.437	3.310	10.4	21.5	144 E	—	59
5 31	15 35.07	−56 19.4	2.425	3.299	10.4	21.5	144 E	—	60
6 5	15 28.11	−55 46.6	2.419	3.289	10.6	21.5	143 E	—	60
6 10	15 21.72	−55 7.4	2.419	3.278	11.0	21.5	142 E	—	61
6 15	15 16.06	−54 22.8	2.425	3.267	11.6	21.5	140 E	—	62
442586 2012 BX_{150}									
4 26	16 26.63	−18 1.4	2.193	3.091	10.0	21.6	148 W	27	82
5 6	16 18.00	−18 6.8	2.153	3.117	6.6	21.4	159 W	27	82
5 16	16 8.02	−18 10.2	2.140	3.143	2.8	21.2	171 W	27	82
5 26	15 57.59	−18 12.4	2.157	3.168	1.4	21.2	176 E	27	82
6 5	15 47.61	−18 14.8	2.203	3.192	4.9	21.5	164 E	27	82
6 15	15 38.90	−18 18.9	2.277	3.215	8.3	21.7	153 E	27	82
376836 2001 QD_{61}									
4 26	16 28.22	+17 59.1	2.630	3.410	12.2	22.0	134 W	63	46
5 1	16 24.93	+18 32.1	2.599	3.401	11.8	21.9	137 W	64	45
5 6	16 21.25	+19 0.8	2.573	3.392	11.4	21.9	138 W	64	45
5 11	16 17.22	+19 24.4	2.552	3.383	11.2	21.9	139 W	64	45
5 16	16 12.94	+19 42.4	2.537	3.374	11.1	21.9	140 W	65	44
5 21	16 8.49	+19 54.1	2.528	3.365	11.2	21.8	140 W	65	44
5 26	16 3.97	+19 59.3	2.525	3.355	11.4	21.8	139 E	65	44
5 31	15 59.46	+19 57.8	2.527	3.345	11.8	21.9	137 E	65	44
6 5	15 55.06	+19 49.7	2.535	3.335	12.3	21.9	135 E	65	44
6 10	15 50.85	+19 35.0	2.548	3.325	12.9	21.9	133 E	65	44
6 15	15 46.92	+19 13.9	2.566	3.314	13.5	21.9	130 E	64	45
6 20	15 43.34	+18 47.0	2.589	3.303	14.2	22.0	127 E	64	45

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
440043 2002 QF_{24}									
4 26	16 28.62	−63 22.3	1.724	2.441	19.8	21.4	125 W	—	53
5 1	16 22.36	−64 5.7	1.681	2.429	19.2	21.3	127 W	—	52
5 6	16 14.48	−64 40.7	1.643	2.416	18.7	21.3	130 W	—	51
5 11	16 5.16	−65 5.4	1.608	2.403	18.2	21.2	132 W	—	51
5 16	15 54.70	−65 18.1	1.577	2.389	17.9	21.1	134 W	—	51
5 21	15 43.55	−65 17.7	1.551	2.376	17.6	21.1	135 E	—	51
5 26	15 32.24	−65 3.5	1.530	2.362	17.5	21.0	136 E	—	51
5 31	15 21.31	−64 35.6	1.513	2.348	17.5	21.0	136 E	—	51
6 5	15 11.25	−63 54.6	1.501	2.334	17.8	20.9	135 E	—	52
6 10	15 2.48	−63 1.8	1.493	2.320	18.2	20.9	134 E	—	53
6 15	14 55.27	−61 59.0	1.490	2.305	18.8	20.9	133 E	—	54
6 20	14 49.78	−60 48.5	1.491	2.291	19.5	21.0	131 E	—	55
6 25	14 46.02	−59 32.3	1.496	2.276	20.3	21.0	129 E	—	56
6 30	14 43.93	−58 12.3	1.506	2.261	21.2	21.0	126 E	—	58
7 5	14 43.42	−56 50.4	1.519	2.246	22.2	21.0	124 E	—	59
7 10	14 44.35	−55 28.0	1.535	2.231	23.1	21.1	121 E	—	61
7 15	14 46.61	−54 6.4	1.555	2.215	24.0	21.1	117 E	—	62
7 20	14 50.05	−52 46.7	1.578	2.200	24.9	21.2	114 E	—	63
7 25	14 54.54	−51 29.5	1.603	2.184	25.7	21.2	111 E	—	65
7 30	14 59.97	−50 15.2	1.630	2.168	26.5	21.2	108 E	—	66
8 4	15 6.22	−49 4.0	1.659	2.153	27.1	21.3	105 E	—	67
8 9	15 13.22	−47 56.1	1.690	2.137	27.7	21.3	101 E	—	68
8 14	15 20.88	−46 51.4	1.723	2.121	28.2	21.4	98 E	—	69*
8 19	15 29.14	−45 49.8	1.757	2.104	28.6	21.4	95 E	—	70*
8 24	15 37.92	−44 51.0	1.791	2.088	28.9	21.4	92 E	—	70*
8 29	15 47.17	−43 54.7	1.826	2.072	29.2	21.5	89 E	—	69*
9 3	15 56.85	−43 0.5	1.862	2.056	29.3	21.5	86 E	—	69*
335772 2007 EA_{166}									
4 26	16 32.24	−21 6.6	2.006	2.896	11.2	22.4	146 W	24	85
5 6	16 24.18	−20 42.3	1.925	2.884	7.6	22.2	158 W	24	85
5 16	16 14.22	−20 12.0	1.871	2.871	3.6	21.9	170 W	25	84
5 26	16 3.25	−19 37.2	1.845	2.858	0.8	21.6	178 E	25	84
6 5	15 52.34	−19 0.8	1.848	2.842	5.1	21.9	166 E	26	83
6 15	15 42.53	−18 26.4	1.879	2.826	9.1	22.1	154 E	27	82
226213 2002 VR_{51}									
4 26	16 32.32	−17 56.5	1.865	2.759	11.7	21.6	146 W	27	82
5 6	16 23.99	−17 44.5	1.812	2.773	7.9	21.4	158 W	27	82
5 16	16 13.89	−17 30.3	1.785	2.786	3.7	21.1	170 W	27	82
5 26	16 3.03	−17 15.5	1.786	2.797	1.5	21.0	176 E	28	81
6 5	15 52.49	−17 2.4	1.816	2.808	5.4	21.3	165 E	28	81
6 15	15 43.28	−16 53.2	1.872	2.818	9.3	21.5	153 E	28	81
530706 2011 UV_{62}									
4 26	16 34.47	−33 21.4	2.069	2.931	12.1	22.3	142 W	12	83
5 6	16 26.10	−32 38.8	1.972	2.909	9.0	22.1	153 W	12	83
5 16	16 15.65	−31 37.8	1.901	2.886	5.6	21.8	164 W	13	84
5 26	16 4.10	−30 18.7	1.857	2.861	3.3	21.7	171 E	15	86
6 5	15 52.64	−28 45.1	1.843	2.836	5.2	21.7	165 E	16	87
6 15	15 42.42	−27 3.5	1.858	2.810	8.9	21.9	155 E	18	89
434167 2002 TQ_{65}									
4 26	16 35.20	−32 36.0	3.477	4.319	8.2	22.4	142 W	12	83
5 6	16 27.46	−33 1.9	3.419	4.341	6.1	22.2	153 W	12	83
5 16	16 18.54	−33 19.4	3.388	4.362	4.1	22.1	162 W	12	83
5 26	16 9.05	−33 27.6	3.388	4.382	2.8	22.1	168 E	12	83
6 5	15 59.64	−33 27.0	3.417	4.402	3.6	22.1	164 E	12	83
6 15	15 50.95	−33 18.9	3.477	4.421	5.5	22.3	155 E	12	83
66253 1999 GT_3									
4 26	16 35.48	+ 8 22.5	1.560	2.409	16.0	22.1	139 W	53	56
5 1	16 27.76	+ 9 22.4	1.539	2.418	14.7	22.1	142 W	54	55
5 6	16 19.34	+10 17.0	1.525	2.426	13.6	22.0	146 W	55	54
5 11	16 10.38	+11 4.9	1.518	2.432	12.8	22.0	148 W	56	53
5 16	16 1.08	+11 44.6	1.519	2.438	12.6	22.0	148 W	57	52
5 21	15 51.68	+12 15.2	1.527	2.443	12.8	22.0	148 W	57	52
5 26	15 42.39	+12 36.1	1.543	2.447	13.5	22.1	146 E	58	51
5 31	15 33.42	+12 47.3	1.565	2.449	14.6	22.1	143 E	58	51
6 5	15 24.96	+12 49.0	1.595	2.451	15.8	22.2	139 E	58	51
6 10	15 17.17	+12 41.8	1.630	2.451	17.2	22.3	135 E	58	51
6 15	15 10.16	+12 26.5	1.671	2.451	18.5	22.4	130 E	57	52
154229 2002 JN_{97}									
4 26	16 36.99	−20 4.2	2.175	3.055	10.9	21.4	145 W	25	84
5 6	16 26.40	−19 52.4	2.075	3.031	7.4	21.1	157 W	25	84
5 16	16 13.61	−19 34.9	2.003	3.004	3.4	20.8	170 W	25	84
5 26	15 59.55	−19 12.5	1.963	2.975	1.1	20.6	177 E	26	83
6 5	15 45.37	−18 47.0	1.955	2.944	5.4	20.8	164 E	26	83
6 15	15 32.25	−18 21.6	1.977	2.910	9.6	21.0	151 E	27	82
6 25	15 21.16	−18 0.2	2.026	2.874	13.4	21.2	139 E	27	82

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
154229 2002 JN_{97} *(continuation)*									
7 5	15 12.72	−17 45.8	2.097	2.835	16.5	21.4	128 E	27*	82
7 15	15 7.18	−17 40.7	2.184	2.794	18.9	21.5	117 E	27*	82
162058 1997 AE_{12}									
4 26	16 37.27	−29 4.9	1.599	2.479	14.1	21.7	143 W	16	87
5 6	16 29.39	−29 7.9	1.471	2.419	10.4	21.3	154 W	16	87
5 16	16 18.11	−28 56.5	1.366	2.358	6.2	20.9	165 W	16	87
5 26	16 4.27	−28 27.3	1.287	2.295	3.3	20.6	172 E	17	88
6 5	15 49.28	−27 39.6	1.235	2.230	6.8	20.6	165 E	17	88
6 15	15 34.96	−26 37.4	1.209	2.164	12.3	20.7	153 E	18	89
6 25	15 23.03	−25 28.8	1.206	2.096	17.8	20.8	141 E	20	89
7 5	15 14.70	−24 23.1	1.221	2.027	22.7	21.0	130 E	21*	88
7 15	15 10.57	−23 28.0	1.249	1.956	27.0	21.1	119 E	21*	87
7 25	15 10.75	−22 48.1	1.285	1.884	30.6	21.1	109 E	20*	87
8 4	15 15.05	−22 24.3	1.323	1.811	33.4	21.2	101 E	19*	86
8 14	15 23.19	−22 15.4	1.360	1.737	35.6	21.2	93 E	18*	86*
8 24	15 34.89	−22 18.9	1.393	1.663	37.3	21.2	86 E	18*	80*
9 3	15 49.90	−22 31.0	1.419	1.589	38.7	21.2	80 E	17*	74*
9 13	16 8.09	−22 47.6	1.438	1.514	39.8	21.2	74 E	16*	68*
9 23	16 29.34	−23 4.0	1.448	1.441	40.7	21.1	69 E	16*	63*
10 3	16 53.60	−23 15.0	1.448	1.370	41.5	21.0	65 E	16*	59*
10 13	17 20.84	−23 15.0	1.440	1.302	42.3	20.9	61 E	17*	55*
10 23	17 50.98	−22 57.5	1.424	1.239	43.2	20.8	58 E	18*	52*
11 2	18 23.89	−22 16.2	1.402	1.181	44.2	20.7	56 E	19*	49*
11 12	18 59.40	−21 4.7	1.374	1.132	45.3	20.6	54 E	21*	46*
11 22	19 37.15	−19 17.5	1.344	1.094	46.4	20.5	53 E	23*	43*
12 2	20 16.75	−16 51.2	1.316	1.067	47.5	20.4	53 E	26*	40*
12 12	20 57.75	−13 45.2	1.292	1.054	48.3	20.4	53 E	29*	38*
12 17	21 18.61	−11 58.3	1.282	1.054	48.6	20.4	53 E	30*	37*
12 22	21 39.63	−10 3.2	1.276	1.056	48.8	20.4	54 E	32*	36*
12 27	22 0.76	− 8 1.1	1.273	1.063	48.8	20.4	54 E	34*	35*
1 1	22 21.94	− 5 53.2	1.273	1.073	48.7	20.4	55 E	36*	34*
1 6	22 43.14	− 3 41.1	1.277	1.086	48.4	20.4	56 E	38*	33*
1 11	23 4.28	− 1 26.5	1.285	1.103	47.9	20.5	56 E	40*	32*
1 16	23 25.33	+ 0 48.6	1.298	1.122	47.3	20.5	57 E	41*	31*
1 21	23 46.23	+ 3 2.5	1.316	1.145	46.5	20.6	58 E	43*	30*
283393 2000 RO_{49}									
4 26	16 40.45	+ 0 30.2	2.301	3.148	11.6	21.4	141 W	46	63
5 6	16 33.35	+ 1 47.4	2.261	3.169	9.4	21.3	149 W	47	62
5 16	16 24.87	+ 2 53.1	2.247	3.189	7.9	21.2	154 W	48	61
5 26	16 15.76	+ 3 42.6	2.260	3.208	7.6	21.2	155 W	49	60
6 5	16 6.79	+ 4 13.3	2.300	3.226	8.7	21.3	151 E	49	60
6 15	15 58.69	+ 4 24.2	2.366	3.243	10.6	21.5	144 E	49	60
6 25	15 52.07	+ 4 16.2	2.454	3.259	12.6	21.7	136 E	49	60
276732 2004 EV_9									
4 26	16 40.88	+33 50.3	1.632	2.318	21.8	21.6	121 W	79	30
5 1	16 34.47	+35 38.4	1.598	2.294	21.9	21.6	122 W	81	28
5 6	16 26.90	+37 19.1	1.570	2.269	22.2	21.5	122 W	82	27
5 11	16 18.25	+38 50.0	1.546	2.243	22.7	21.5	121 W	84	25
5 16	16 8.63	+40 8.6	1.527	2.215	23.2	21.4	120 W	85	24
5 21	15 58.26	+41 13.0	1.513	2.187	24.0	21.4	119 W	86	23
5 26	15 47.37	+42 1.6	1.503	2.157	24.8	21.4	117 E	87	22
5 31	15 36.27	+42 33.7	1.497	2.126	25.8	21.4	114 E	88	21
6 5	15 25.25	+42 49.0	1.495	2.094	26.8	21.4	112 E	88	21
6 10	15 14.62	+42 47.8	1.495	2.061	27.8	21.4	109 E	88	21
6 15	15 4.67	+42 31.0	1.498	2.026	28.8	21.4	106 E	88	21
6 20	14 55.61	+42 0.1	1.503	1.990	29.9	21.4	103 E	87	22
6 25	14 47.59	+41 16.7	1.509	1.953	30.9	21.4	99 E	86	23
6 30	14 40.72	+40 22.5	1.516	1.915	31.9	21.4	96 E	84*	24
7 5	14 35.03	+39 19.2	1.522	1.875	32.8	21.4	93 E	80*	25
7 10	14 30.52	+38 8.2	1.529	1.833	33.7	21.3	90 E	76*	26
7 15	14 27.17	+36 50.8	1.535	1.790	34.5	21.3	87 E	72*	27
7 20	14 24.94	+35 28.3	1.539	1.746	35.3	21.3	84 E	68*	29
7 25	14 23.75	+34 1.6	1.542	1.700	36.1	21.3	80 E	65*	30
7 30	14 23.52	+32 31.4	1.542	1.652	36.9	21.2	77 E	62*	31*
8 4	14 24.21	+30 58.0	1.540	1.602	37.6	21.2	75 E	59*	33*
8 9	14 25.75	+29 21.9	1.535	1.551	38.4	21.1	72 E	56*	34*
8 14	14 28.09	+27 43.1	1.526	1.498	39.1	21.1	69 E	53*	34*
8 19	14 31.16	+26 1.8	1.514	1.442	40.0	21.0	66 E	51*	34*
8 24	14 34.93	+24 17.7	1.497	1.385	40.8	20.9	64 E	49*	34*
8 29	14 39.34	+22 30.5	1.477	1.325	41.8	20.8	61 E	46*	34*
9 3	14 44.36	+20 39.5	1.451	1.263	42.9	20.7	59 E	44*	33*
9 8	14 49.98	+18 44.0	1.421	1.198	44.2	20.6	56 E	42*	32*
9 13	14 56.15	+16 42.9	1.386	1.131	45.8	20.4	54 E	40*	31*
9 18	15 2.83	+14 34.8	1.345	1.060	47.6	20.3	51 E	38*	30*
9 23	15 9.96	+12 17.6	1.298	0.987	49.9	20.1	49 E	36*	29*
9 28	15 17.46	+ 9 48.4	1.244	0.911	52.7	19.9	46 E	34*	28*
10 3	15 25.21	+ 7 3.1	1.185	0.831	56.3	19.7	44 E	31*	26*
10 8	15 32.96	+ 3 56.0	1.118	0.748	61.0	19.5	41 E	28*	25*
10 13	15 40.22	+ 0 18.3	1.045	0.662	67.3	19.3	38 E	25*	23*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
276732 2004 EV_9 *(continuation)*									
10 15	15 42.79	− 1 20.1	1.013	0.627	70.5	19.2	36 E	23*	23*
10 17	15 45.05	− 3 6.4	0.981	0.591	74.1	19.1	35 E	22*	22*
10 19	15 46.86	− 5 1.9	0.948	0.556	78.2	19.0	33 E	20*	21*
10 21	15 48.03	− 7 7.9	0.914	0.521	83.0	19.0	31 E	17*	21*
10 23	15 48.34	− 9 25.7	0.881	0.486	88.6	19.0	29 E	15*	19*
10 25	15 47.46	−11 56.4	0.847	0.452	95.0	19.0	27 E	12*	18*
10 27	15 44.96	−14 40.2	0.815	0.420	102.5	19.1	24 E	9*	17*
10 29	15 40.35	−17 35.9	0.786	0.390	110.8	19.3	22 E	5*	15*
10 31	15 33.07	−20 38.9	0.761	0.364	119.9	19.7	19 E	1*	12*
11 2	15 22.69	−23 40.2	0.742	0.343	128.6	20.3	16 E	—	9*
11 3	15 16.31	−25 6.1	0.736	0.335	132.3	20.6	14 E	—	8*
11 4	15 9.22	−26 26.0	0.732	0.329	135.0	20.8	14 E	—	6*
11 5	15 1.54	−27 38.0	0.731	0.325	136.5	21.0	13 E	—	4*
11 6	14 53.43	−28 40.2	0.732	0.323	136.5	21.0	13 E	—	2*
11 7	14 45.13	−29 31.4	0.736	0.323	134.9	20.8	13 W	—	1*
11 8	14 36.86	−30 11.0	0.743	0.326	131.9	20.5	14 W	—	4*
11 9	14 28.86	−30 39.1	0.752	0.330	128.1	20.2	15 W	—	6*
11 10	14 21.32	−30 56.4	0.763	0.337	123.6	19.9	16 W	—	8*
11 11	14 14.40	−31 4.1	0.776	0.345	118.8	19.6	18 W	—	10*
11 12	14 8.17	−31 3.6	0.791	0.355	114.0	19.4	19 W	—	12*
11 13	14 2.69	−30 56.4	0.806	0.367	109.2	19.2	20 W	—	14*
11 14	13 57.95	−30 44.0	0.822	0.380	104.7	19.0	22 W	—	16*
11 15	13 53.94	−30 27.6	0.839	0.394	100.5	18.9	23 W	—	17*
11 16	13 50.58	−30 8.2	0.855	0.408	96.5	18.9	24 W	—	18*
11 17	13 47.84	−29 46.9	0.872	0.424	92.8	18.8	25 W	1*	19*
11 18	13 45.64	−29 24.2	0.889	0.440	89.5	18.8	26 W	2*	20*
11 19	13 43.92	−29 0.7	0.906	0.456	86.4	18.8	27 W	3*	21*
11 20	13 42.63	−28 36.8	0.922	0.473	83.5	18.8	28 W	4*	22*
11 21	13 41.71	−28 12.8	0.938	0.491	80.9	18.8	29 W	5*	23*
11 22	13 41.11	−27 48.9	0.954	0.508	78.6	18.9	30 W	6*	24*
11 24	13 40.72	−27 2.2	0.984	0.543	74.4	18.9	32 W	8*	25*
11 26	13 41.17	−26 17.3	1.011	0.578	70.9	19.0	34 W	10*	27*
11 28	13 42.25	−25 34.4	1.037	0.614	67.9	19.1	35 W	11*	28*
11 30	13 43.80	−24 53.7	1.061	0.649	65.3	19.2	37 W	13*	29*
12 2	13 45.68	−24 14.9	1.083	0.684	63.2	19.3	38 W	14*	30*
12 7	13 51.35	−22 45.4	1.130	0.769	58.9	19.5	42 W	17*	33*
12 12	13 57.68	−21 23.9	1.166	0.851	55.8	19.7	46 W	20*	35*
12 17	14 4.19	−20 7.4	1.192	0.930	53.5	19.9	49 W	22*	38*
12 22	14 10.58	−18 53.5	1.210	1.006	51.7	20.0	53 W	24*	41*
12 27	14 16.66	−17 40.3	1.220	1.078	50.2	20.2	57 W	26*	45*
1 1	14 22.32	−16 26.0	1.223	1.148	48.9	20.3	62 W	28*	48*
1 6	14 27.44	−15 8.9	1.220	1.215	47.6	20.3	66 W	30*	52*
1 11	14 31.94	−13 47.8	1.212	1.279	46.4	20.4	70 W	31*	55*
1 16	14 35.73	−12 21.4	1.199	1.340	45.2	20.5	75 W	33	59*
1 21	14 38.75	−10 48.5	1.182	1.399	43.8	20.5	80 W	34	62*
357622 2005 EY_{95}									
4 26	16 41.06	−19 28.5	0.737	1.661	20.8	21.8	144 W	26	83
5 6	16 19.49	−18 52.4	0.685	1.666	12.5	21.3	159 W	26	83
5 16	15 52.43	−17 56.7	0.656	1.666	3.2	20.8	175 W	27	82
5 26	15 23.76	−16 45.7	0.655	1.659	7.3	21.0	168 E	28	81
6 5	14 57.93	−15 33.1	0.680	1.647	16.7	21.4	152 E	29	80
6 15	14 38.04	−14 34.8	0.727	1.629	24.7	21.8	138 E	30	79
488801 2005 ES_{156}									
4 26	16 41.47	−25 18.5	1.303	2.194	15.9	21.4	143 W	20	89
5 1	16 37.48	−25 30.1	1.288	2.213	13.6	21.4	149 W	19	90
5 6	16 32.76	−25 39.3	1.279	2.233	11.1	21.3	155 W	19	90
5 11	16 27.42	−25 45.8	1.275	2.253	8.6	21.2	161 W	19	90
5 16	16 21.67	−25 49.4	1.277	2.272	6.0	21.1	166 W	19	90
5 21	16 15.68	−25 50.2	1.286	2.292	3.6	21.0	172 W	19	90
5 26	16 9.68	−25 48.4	1.301	2.312	2.1	20.9	175 E	19	90
5 31	16 3.86	−25 44.4	1.322	2.331	3.2	21.1	173 E	19	90
6 5	15 58.39	−25 38.6	1.350	2.350	5.4	21.2	167 E	19	90
6 10	15 53.43	−25 31.6	1.384	2.370	7.7	21.4	162 E	19	90
6 15	15 49.10	−25 24.1	1.424	2.389	9.9	21.6	156 E	20	89
6 20	15 45.50	−25 16.8	1.470	2.408	11.9	21.8	151 E	20	89
137069 1998 WQ_{15}									
4 26	16 41.89	−18 38.3	2.528	3.395	10.0	21.4	144 W	26	83
5 6	16 34.93	−18 34.5	2.442	3.385	7.1	21.2	155 W	26	83
5 16	16 26.34	−18 29.0	2.383	3.375	3.9	21.0	167 W	27	82
5 26	16 16.79	−18 22.3	2.352	3.364	0.9	20.7	177 W	27	82
6 5	16 7.05	−18 15.7	2.351	3.352	3.4	20.9	169 E	27	82
6 15	15 57.93	−18 10.6	2.380	3.339	6.8	21.1	157 E	27	82
6 25	15 50.16	−18 8.9	2.435	3.325	9.9	21.3	146 E	27	82
7 5	15 44.24	−18 11.8	2.513	3.311	12.5	21.4	135 E	27	82

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
525356 2005 BG_{14}									
4 26	16 43.50	+ 1 48.8	1.400	2.264	16.7	22.0	140 W	47	62
5 1	16 38.70	+ 2 26.0	1.329	2.225	15.3	21.8	144 W	47	62
5 6	16 32.77	+ 3 1.9	1.262	2.186	14.0	21.6	148 W	48	61
5 11	16 25.69	+ 3 35.4	1.201	2.145	12.9	21.4	152 W	49	60
5 16	16 17.49	+ 4 5.0	1.147	2.104	12.1	21.2	154 W	49	60
5 21	16 8.26	+ 4 29.0	1.099	2.062	12.0	21.1	155 W	49	60
5 26	15 58.16	+ 4 45.9	1.058	2.018	12.7	21.0	154 E	50	59
5 31	15 47.39	+ 4 54.2	1.024	1.974	14.3	20.9	151 E	50	59
6 5	15 36.20	+ 4 52.8	0.997	1.929	16.7	20.9	147 E	50	59
6 10	15 24.89	+ 4 40.8	0.977	1.883	19.5	20.9	142 E	50	59
6 15	15 13.77	+ 4 17.7	0.962	1.835	22.5	20.9	136 E	49	60
6 20	15 3.16	+ 3 43.8	0.953	1.787	25.7	20.9	130 E	49	60
6 25	14 53.29	+ 2 59.6	0.948	1.737	28.9	21.0	124 E	48	61
6 30	14 44.34	+ 2 6.0	0.947	1.687	32.0	21.0	118 E	47*	62
7 5	14 36.46	+ 1 4.0	0.948	1.635	35.1	21.0	113 E	45*	63
7 10	14 29.71	− 0 5.6	0.952	1.582	37.9	21.0	107 E	43*	64
7 15	14 24.14	− 1 21.7	0.956	1.528	40.7	21.0	101 E	40*	65
7 20	14 19.71	− 2 43.7	0.961	1.472	43.3	21.0	96 E	37*	67
7 25	14 16.37	− 4 10.9	0.964	1.416	45.8	21.0	91 E	33*	68
7 30	14 14.04	− 5 43.0	0.966	1.358	48.3	21.0	86 E	30*	69*
8 4	14 12.64	− 7 19.7	0.966	1.299	50.7	21.0	82 E	27*	69*
8 9	14 12.07	− 9 1.0	0.962	1.239	53.1	20.9	78 E	24*	68*
8 14	14 12.24	−10 47.2	0.955	1.177	55.6	20.9	73 E	21*	66*
8 19	14 12.99	−12 38.2	0.944	1.115	58.2	20.8	69 E	18*	63*
8 24	14 14.18	−14 34.5	0.929	1.051	61.1	20.7	65 E	15*	59*
8 29	14 15.61	−16 36.2	0.908	0.987	64.3	20.6	62 E	12*	56*
9 3	14 17.02	−18 43.7	0.882	0.922	68.0	20.5	58 E	10*	52*
9 8	14 18.06	−20 57.0	0.850	0.858	72.3	20.4	54 E	6*	48*
9 13	14 18.20	−23 15.4	0.811	0.794	77.6	20.4	50 E	3*	44*
9 18	14 16.64	−25 36.5	0.768	0.733	84.0	20.3	47 E	—	39*
9 23	14 12.18	−27 55.1	0.719	0.676	92.0	20.3	42 E	—	34*
9 25	14 9.25	−28 47.4	0.698	0.655	95.7	20.3	40 E	—	32*
9 27	14 5.47	−29 36.3	0.677	0.634	99.6	20.4	39 E	—	29*
9 29	14 0.74	−30 20.3	0.656	0.616	103.9	20.5	37 E	—	27*
10 1	13 54.94	−30 57.5	0.635	0.599	108.5	20.6	35 E	—	24*
10 3	13 47.99	−31 25.5	0.615	0.583	113.2	20.7	32 E	—	21*
10 5	13 39.85	−31 41.6	0.595	0.570	118.2	21.0	30 E	—	17*
10 7	13 30.56	−31 43.0	0.577	0.560	123.1	21.2	28 E	—	14*
488615 2002 SR									
4 26	16 48.02	− 1 25.3	0.392	1.331	29.1	21.6	140 W	44	65
5 1	16 41.04	− 0 2.6	0.385	1.341	25.6	21.4	145 W	45	64
5 6	16 32.53	+ 1 13.0	0.380	1.350	22.3	21.3	149 W	46	63
5 11	16 22.81	+ 2 18.2	0.379	1.359	19.5	21.2	153 W	47	62
5 16	16 12.33	+ 3 9.7	0.381	1.367	17.8	21.2	156 W	48	61
5 21	16 1.65	+ 3 45.2	0.387	1.375	17.4	21.2	156 W	49	60
5 26	15 51.28	+ 4 3.6	0.397	1.382	18.5	21.3	154 E	49	60
5 31	15 41.68	+ 4 5.1	0.410	1.388	20.5	21.5	151 E	49	60
6 5	15 33.20	+ 3 50.8	0.426	1.393	23.1	21.7	147 E	49	60
6 10	15 26.11	+ 3 22.4	0.446	1.398	25.9	21.9	143 E	48	61
6 15	15 20.57	+ 2 42.1	0.468	1.402	28.7	22.0	139 E	48	61
6 20	15 16.61	+ 1 52.2	0.493	1.405	31.3	22.2	134 E	47	62
395339 2011 QS_{33}									
4 26	16 50.91	−18 10.8	1.373	2.253	16.0	21.4	142 W	27	82
5 6	16 46.29	−17 44.6	1.276	2.221	12.1	21.1	153 W	27	82
5 16	16 38.58	−17 14.8	1.199	2.188	7.4	20.7	164 W	28	81
5 26	16 28.55	−16 43.4	1.145	2.155	2.8	20.4	174 W	28	81
5 31	16 23.04	−16 28.1	1.128	2.139	2.7	20.3	174 E	29	80
6 5	16 17.44	−16 13.7	1.116	2.122	4.9	20.4	170 E	29	80
6 10	16 11.95	−16 0.8	1.111	2.106	7.6	20.5	164 E	29	80
6 15	16 6.78	−15 49.8	1.111	2.089	10.3	20.6	158 E	29	80
6 20	16 2.11	−15 41.5	1.117	2.073	13.0	20.7	153 E	29	80
6 25	15 58.10	−15 36.0	1.128	2.056	15.6	20.8	147 E	29	80
6 30	15 54.85	−15 33.9	1.144	2.040	18.1	20.9	141 E	29	80
7 5	15 52.45	−15 35.2	1.164	2.024	20.3	21.0	136 E	29	80
7 10	15 50.97	−15 39.9	1.187	2.007	22.4	21.1	131 E	29	80
7 15	15 50.43	−15 48.2	1.213	1.991	24.3	21.1	126 E	29*	80
7 20	15 50.85	−15 59.9	1.242	1.975	26.0	21.2	122 E	29*	80
7 25	15 52.20	−16 14.6	1.273	1.959	27.4	21.3	117 E	28*	80
7 30	15 54.45	−16 32.0	1.305	1.943	28.7	21.4	113 E	28*	81
8 4	15 57.59	−16 51.8	1.339	1.928	29.8	21.5	109 E	27*	81
350872 2002 PG_{43}									
4 26	16 55.58	−33 34.4	1.317	2.173	18.0	21.4	138 W	11	82
5 1	16 53.58	−34 1.0	1.258	2.149	16.4	21.2	143 W	11	82
5 6	16 50.52	−34 25.8	1.202	2.126	14.6	21.1	148 W	11	82
5 11	16 46.39	−34 47.9	1.152	2.102	12.7	20.9	153 W	10	81
5 16	16 41.23	−35 6.1	1.106	2.077	10.7	20.7	158 W	10	81
5 21	16 35.15	−35 19.7	1.066	2.053	8.8	20.5	162 W	10	81

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
350872 2002 PG_{43} *(continuation)*									
5 26	16 28.30	−35 27.6	1.032	2.028	7.4	20.3	165 W	10	81
5 31	16 20.89	−35 29.0	1.004	2.003	6.9	20.2	166 E	10	81
6 5	16 13.16	−35 23.6	0.981	1.978	7.8	20.2	165 E	10	81
6 10	16 5.42	−35 11.2	0.965	1.953	9.7	20.2	161 E	10	81
6 15	15 57.99	−34 52.5	0.954	1.927	12.2	20.3	156 E	10	81
6 20	15 51.17	−34 28.4	0.948	1.902	15.0	20.3	151 E	11	82
6 25	15 45.20	−34 0.3	0.947	1.877	17.7	20.4	146 E	11	82
6 30	15 40.28	−33 29.6	0.950	1.851	20.5	20.4	140 E	12	83
7 5	15 36.55	−32 57.9	0.958	1.825	23.1	20.5	135 E	12	83
7 10	15 34.10	−32 26.5	0.968	1.800	25.6	20.6	130 E	13*	84
7 15	15 32.98	−31 56.5	0.981	1.774	27.9	20.6	125 E	13*	84
7 20	15 33.18	−31 29.0	0.997	1.749	30.0	20.7	121 E	13*	85
7 25	15 34.67	−31 4.2	1.013	1.723	31.9	20.8	116 E	13*	85
7 30	15 37.39	−30 42.6	1.032	1.698	33.6	20.8	112 E	13*	85
8 4	15 41.30	−30 24.1	1.050	1.673	35.2	20.9	108 E	13*	86
8 9	15 46.35	−30 8.6	1.070	1.648	36.6	20.9	105 E	13*	86
8 14	15 52.48	−29 55.7	1.089	1.623	37.8	21.0	101 E	13*	86
8 19	15 59.63	−29 45.1	1.108	1.599	38.8	21.0	98 E	13*	86
8 24	16 7.74	−29 36.2	1.127	1.575	39.8	21.0	95 E	13*	86*
8 29	16 16.76	−29 28.3	1.146	1.552	40.6	21.0	92 E	13*	84*
9 3	16 26.64	−29 20.8	1.163	1.529	41.3	21.1	89 E	13*	82*
9 8	16 37.34	−29 13.0	1.180	1.507	41.9	21.1	87 E	13*	80*
9 13	16 48.83	−29 4.3	1.197	1.485	42.4	21.1	84 E	13*	78*
9 18	17 1.06	−28 53.8	1.213	1.464	42.8	21.1	82 E	14*	76*
9 23	17 13.97	−28 40.9	1.227	1.445	43.2	21.1	80 E	14*	74*
9 28	17 27.52	−28 24.8	1.242	1.426	43.5	21.1	78 E	15*	72*
10 3	17 41.66	−28 4.8	1.255	1.408	43.7	21.1	76 E	15*	70*
10 8	17 56.35	−27 40.2	1.268	1.391	43.8	21.1	75 E	16*	69*
10 13	18 11.54	−27 10.6	1.281	1.375	44.0	21.1	73 E	16*	67*
10 18	18 27.16	−26 35.3	1.293	1.361	44.0	21.1	72 E	17*	65*
10 23	18 43.15	−25 53.8	1.306	1.347	44.0	21.1	70 E	18*	64*
10 28	18 59.44	−25 5.8	1.318	1.336	44.0	21.1	69 E	19*	62*
11 2	19 15.99	−24 11.1	1.330	1.326	43.9	21.1	68 E	20*	61*
11 7	19 32.73	−23 9.5	1.343	1.317	43.7	21.1	67 E	21*	59*
11 12	19 49.60	−22 1.0	1.357	1.310	43.5	21.1	66 E	22*	57*
11 17	20 6.55	−20 45.7	1.371	1.305	43.3	21.1	65 E	24*	55*
11 22	20 23.52	−19 23.9	1.385	1.301	43.0	21.1	64 E	25*	53*
11 27	20 40.47	−17 55.8	1.402	1.300	42.6	21.2	63 E	26*	51*
12 2	20 57.36	−16 22.0	1.419	1.300	42.2	21.2	62 E	28*	49*
12 7	21 14.16	−14 43.0	1.438	1.301	41.8	21.2	62 E	30*	47*
12 12	21 30.85	−12 59.4	1.458	1.305	41.3	21.2	61 E	31*	45*
12 17	21 47.40	−11 11.9	1.480	1.310	40.7	21.2	60 E	33*	43*
12 22	22 3.80	− 9 21.3	1.503	1.317	40.1	21.3	60 E	34*	41*
12 27	22 20.03	− 7 28.4	1.529	1.326	39.5	21.3	59 E	36*	39*
1 1	22 36.11	− 5 33.8	1.557	1.336	38.8	21.3	58 E	37*	37*
1 6	22 52.03	− 3 38.3	1.586	1.347	38.1	21.4	58 E	39*	35*
1 11	23 7.79	− 1 42.7	1.618	1.360	37.3	21.4	57 E	40*	33*
1 16	23 23.40	+ 0 12.3	1.652	1.375	36.5	21.5	56 E	41*	31*
485823 2012 DF_{61}									
4 26	16 58.65	−29 42.8	0.799	1.690	23.2	22.4	139 W	15	86
5 1	16 51.86	−30 10.9	0.755	1.681	20.3	22.1	145 W	15	86
5 6	16 43.01	−30 35.7	0.715	1.670	17.0	21.9	151 W	14	85
5 11	16 32.11	−30 54.9	0.679	1.658	13.5	21.6	157 W	14	85
5 16	16 19.27	−31 5.8	0.650	1.645	9.9	21.4	164 W	14	85
5 21	16 4.85	−31 6.0	0.626	1.630	7.1	21.2	169 W	14	85
5 26	15 49.36	−30 53.8	0.608	1.614	6.8	21.1	169 E	14	85
5 31	15 33.44	−30 28.4	0.597	1.597	9.8	21.1	164 E	15	86
6 5	15 17.80	−29 50.9	0.592	1.579	14.1	21.3	158 E	15	86
6 10	15 3.12	−29 3.8	0.593	1.559	18.8	21.4	150 E	16	87
6 15	14 49.97	−28 10.8	0.599	1.538	23.4	21.5	143 E	17	88
6 20	14 38.70	−27 15.9	0.610	1.515	27.8	21.7	136 E	18	89
487740 2015 RX_{107}									
4 26	16 59.19	−30 54.8	1.152	2.016	19.4	21.2	138 W	14	85
5 6	16 56.04	−31 53.6	1.057	1.986	15.7	20.9	148 W	13	84
5 16	16 48.78	−32 44.5	0.981	1.955	11.3	20.5	158 W	12	83
5 26	16 38.03	−33 20.8	0.925	1.925	7.1	20.2	166 W	12	83
5 31	16 31.78	−33 31.6	0.906	1.910	6.2	20.1	168 W	11	82
6 5	16 25.25	−33 36.8	0.891	1.895	6.7	20.0	167 E	11	82
6 10	16 18.74	−33 36.2	0.883	1.880	8.5	20.1	164 E	11	82
6 15	16 12.56	−33 30.4	0.879	1.865	10.9	20.2	160 E	11	82
6 20	16 6.98	−33 20.1	0.881	1.851	13.6	20.2	155 E	12	83
6 25	16 2.24	−33 6.5	0.887	1.836	16.4	20.3	149 E	12	83
6 30	15 58.52	−32 50.5	0.898	1.822	19.0	20.4	144 E	12	83
7 5	15 55.94	−32 33.5	0.912	1.809	21.5	20.5	139 E	12	83
7 10	15 54.58	−32 16.3	0.930	1.795	23.9	20.6	134 E	13	84
7 15	15 54.48	−32 0.0	0.951	1.782	26.0	20.7	130 E	13	84
7 20	15 55.62	−31 45.1	0.974	1.769	27.9	20.8	125 E	13*	84
7 25	15 57.98	−31 32.0	0.999	1.756	29.6	20.9	121 E	13*	84
7 30	16 1.49	−31 20.8	1.026	1.744	31.2	21.0	117 E	13*	85

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
487740 2015 RX_{107} *(continuation)*									
8 4	16 6.08	−31 11.4	1.055	1.732	32.5	21.1	114 E	13*	85
8 9	16 11.70	−31 3.7	1.085	1.720	33.6	21.2	110 E	13*	85
8 14	16 18.29	−30 57.4	1.116	1.709	34.6	21.2	107 E	13*	85
8 19	16 25.78	−30 52.1	1.147	1.698	35.4	21.3	104 E	13*	85
8 24	16 34.09	−30 47.3	1.179	1.688	36.1	21.4	101 E	13*	85
8 29	16 43.15	−30 42.5	1.212	1.678	36.6	21.4	98 E	13*	85
9 3	16 52.92	−30 37.2	1.245	1.669	37.0	21.5	95 E	13*	85*
483408 1999 TZ_4									
4 26	17 7.30	−64 13.9	0.991	1.739	29.7	21.9	121 W	—	52
4 28	17 4.60	−65 16.5	0.985	1.740	29.4	21.9	122 W	—	51
4 30	17 1.29	−66 17.8	0.979	1.742	29.2	21.8	123 W	—	50
5 2	16 57.32	−67 17.5	0.973	1.743	28.9	21.8	123 W	—	49
5 4	16 52.64	−68 15.4	0.969	1.744	28.7	21.8	124 W	—	48
5 6	16 47.18	−69 11.0	0.965	1.745	28.5	21.8	124 W	—	47
5 8	16 40.89	−70 4.0	0.961	1.746	28.4	21.8	125 W	—	46
5 10	16 33.73	−70 54.0	0.958	1.747	28.2	21.8	125 W	—	45
5 12	16 25.67	−71 40.6	0.956	1.747	28.1	21.8	125 W	—	44
5 14	16 16.70	−72 23.3	0.955	1.748	28.0	21.8	126 W	—	44
5 16	16 6.85	−73 1.9	0.954	1.749	28.0	21.8	126 W	—	43
5 18	15 56.17	−73 35.8	0.953	1.750	28.0	21.8	126 W	—	42
5 20	15 44.74	−74 4.9	0.954	1.750	28.0	21.8	126 E	—	42
5 22	15 32.71	−74 28.9	0.954	1.751	28.0	21.8	126 E	—	42
5 24	15 20.24	−74 47.5	0.956	1.751	28.0	21.8	126 E	—	41
5 26	15 7.53	−75 0.9	0.958	1.751	28.1	21.8	125 E	—	41
5 27	15 1.16	−75 5.6	0.959	1.752	28.2	21.8	125 E	—	41
5 28	14 54.81	−75 9.0	0.960	1.752	28.2	21.8	125 E	—	41
5 29	14 48.51	−75 11.1	0.962	1.752	28.3	21.8	125 E	—	41
5 30	14 42.28	−75 11.9	0.963	1.752	28.4	21.8	125 E	—	41
5 31	14 36.17	−75 11.6	0.965	1.752	28.4	21.8	125 E	—	41
6 1	14 30.18	−75 10.1	0.967	1.752	28.5	21.8	124 E	—	41
6 2	14 24.34	−75 7.5	0.969	1.752	28.6	21.8	124 E	—	41
6 3	14 18.68	−75 3.8	0.971	1.752	28.7	21.8	124 E	—	41
6 4	14 13.21	−74 59.2	0.973	1.753	28.8	21.8	124 E	—	41
6 5	14 7.94	−74 53.5	0.975	1.753	28.9	21.8	123 E	—	41
6 7	13 58.06	−74 39.7	0.980	1.753	29.1	21.8	123 E	—	41
6 9	13 49.13	−74 22.9	0.985	1.753	29.3	21.9	122 E	—	42
6 11	13 41.18	−74 3.5	0.991	1.753	29.5	21.9	122 E	—	42
6 13	13 34.20	−73 42.0	0.997	1.752	29.8	21.9	121 E	—	42
6 15	13 28.19	−73 19.0	1.004	1.752	30.0	21.9	120 E	—	43
6 17	13 23.10	−72 54.7	1.010	1.752	30.3	21.9	120 E	—	43
322913 2002 CM_1									
4 26	17 11.59	−76 27.0	2.555	3.088	17.5	22.1	113 W	—	40
4 28	17 7.51	−76 43.1	2.536	3.082	17.4	22.1	114 W	—	39
4 30	17 2.92	−76 58.1	2.517	3.077	17.3	22.1	115 W	—	39
5 2	16 57.80	−77 12.0	2.499	3.072	17.2	22.0	116 W	—	39
5 4	16 52.17	−77 24.5	2.482	3.066	17.1	22.0	116 W	—	39
5 6	16 46.03	−77 35.6	2.465	3.061	17.0	22.0	117 W	—	38
5 8	16 39.40	−77 45.0	2.448	3.055	17.0	22.0	118 W	—	38
5 10	16 32.33	−77 52.7	2.433	3.050	16.9	21.9	119 W	—	38
5 12	16 24.85	−77 58.5	2.417	3.044	16.8	21.9	119 W	—	38
5 14	16 17.04	−78 2.3	2.402	3.039	16.7	21.9	120 W	—	38
5 16	16 8.95	−78 3.9	2.388	3.033	16.6	21.9	121 W	—	38
5 17	16 4.83	−78 3.9	2.381	3.030	16.6	21.9	121 W	—	38
5 18	16 0.68	−78 3.3	2.375	3.027	16.6	21.9	121 W	—	38
5 19	15 56.50	−78 2.1	2.368	3.024	16.5	21.9	122 W	—	38
5 20	15 52.31	−78 0.4	2.362	3.021	16.5	21.9	122 W	—	38
5 21	15 48.12	−77 58.0	2.355	3.018	16.5	21.8	122 E	—	38
5 22	15 43.94	−77 55.1	2.349	3.015	16.5	21.8	122 E	—	38
5 23	15 39.78	−77 51.6	2.343	3.012	16.4	21.8	123 E	—	38
5 24	15 35.66	−77 47.4	2.338	3.009	16.4	21.8	123 E	—	38
5 25	15 31.58	−77 42.7	2.332	3.006	16.4	21.8	123 E	—	38
5 26	15 27.55	−77 37.4	2.327	3.003	16.4	21.8	123 E	—	38
5 28	15 19.69	−77 25.1	2.316	2.997	16.4	21.8	124 E	—	39
5 30	15 12.15	−77 10.6	2.306	2.991	16.4	21.8	124 E	—	39
6 1	15 4.98	−76 53.9	2.297	2.985	16.4	21.8	124 E	—	39
6 3	14 58.25	−76 35.1	2.289	2.979	16.4	21.7	124 E	—	39
6 5	14 51.97	−76 14.3	2.281	2.973	16.4	21.7	124 E	—	40
6 7	14 46.18	−75 51.7	2.274	2.966	16.4	21.7	124 E	—	40
6 9	14 40.89	−75 27.4	2.268	2.960	16.5	21.7	124 E	—	41
6 11	14 36.11	−75 1.5	2.262	2.954	16.5	21.7	124 E	—	41
6 13	14 31.82	−74 34.2	2.258	2.947	16.6	21.7	124 E	—	41
6 15	14 28.02	−74 5.6	2.253	2.941	16.7	21.7	124 E	—	42
6 17	14 24.69	−73 35.9	2.250	2.934	16.8	21.7	123 E	—	42
6 19	14 21.82	−73 5.1	2.247	2.927	16.9	21.7	123 E	—	43

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
371522 2006 UG_{185}									
4 26	17 19.29	− 2 35.2	4.675	5.410	7.8	21.5	133 W	42	67
5 6	17 16.15	− 2 14.3	4.582	5.411	6.6	21.4	142 W	43	66
5 16	17 12.07	− 1 58.2	4.512	5.411	5.4	21.3	150 W	43	66
5 26	17 7.29	− 1 48.3	4.468	5.411	4.3	21.2	156 W	43	66
6 5	17 2.11	− 1 45.4	4.452	5.411	3.8	21.2	159 W	43	66
6 15	16 56.86	− 1 50.2	4.463	5.412	4.2	21.2	157 E	43	66
6 25	16 51.88	− 2 2.9	4.502	5.411	5.3	21.3	151 E	43	66
7 5	16 47.48	− 2 23.1	4.567	5.411	6.5	21.4	143 E	43	66
7 15	16 43.90	− 2 50.0	4.655	5.411	7.8	21.5	134 E	42	67
282044 1998 SF_{107}									
4 26	17 20.00	−13 51.9	1.657	2.471	16.8	21.5	135 W	31	78
5 6	17 16.38	−12 57.6	1.550	2.445	13.7	21.2	145 W	32	77
5 16	17 9.84	−12 2.2	1.464	2.419	10.1	20.9	155 W	33	76
5 26	17 0.89	−11 9.2	1.400	2.392	6.5	20.6	164 W	34	75
6 5	16 50.42	−10 22.9	1.362	2.364	5.2	20.5	168 E	35	74
6 10	16 44.98	−10 3.6	1.353	2.350	6.2	20.5	166 E	35	74
6 15	16 39.62	− 9 47.7	1.350	2.336	8.0	20.6	161 E	35	74
6 20	16 34.52	− 9 35.4	1.354	2.321	10.0	20.6	157 E	35	74
6 25	16 29.82	− 9 27.1	1.363	2.307	12.2	20.7	151 E	36	73
6 30	16 25.65	− 9 22.8	1.377	2.292	14.3	20.8	146 E	36	73
7 5	16 22.11	− 9 22.8	1.397	2.277	16.4	20.9	141 E	36	73
7 10	16 19.29	− 9 26.8	1.421	2.262	18.3	21.0	136 E	36	73
7 15	16 17.25	− 9 34.7	1.449	2.247	20.1	21.1	131 E	35	74
7 20	16 16.02	− 9 46.2	1.480	2.232	21.7	21.1	126 E	35	74
7 25	16 15.61	−10 1.0	1.514	2.217	23.1	21.2	121 E	35*	74
7 30	16 16.00	−10 18.8	1.550	2.202	24.3	21.3	117 E	35*	74
8 4	16 17.19	−10 39.0	1.589	2.186	25.4	21.4	112 E	34*	75
8 9	16 19.16	−11 1.5	1.629	2.171	26.3	21.4	108 E	33*	75
8 14	16 21.88	−11 25.7	1.669	2.155	27.1	21.5	104 E	32*	75
523660 2012 KY_{41}									
4 26	17 30.37	− 9 8.1	1.291	2.099	21.0	21.3	132 W	36	73
5 6	17 28.42	− 6 2.7	1.163	2.043	18.4	20.9	140 W	39	70
5 16	17 22.68	− 2 32.3	1.054	1.986	15.6	20.6	148 W	42	67
5 26	17 13.20	+ 1 14.6	0.968	1.927	13.8	20.2	153 W	46	63
5 31	17 7.23	+ 3 9.8	0.935	1.897	13.8	20.1	153 W	48	61
6 5	17 0.59	+ 5 2.9	0.907	1.866	14.6	20.1	152 W	50	59
6 10	16 53.49	+ 6 51.2	0.885	1.835	16.2	20.0	150 E	52	57
6 15	16 46.14	+ 8 31.9	0.870	1.804	18.3	20.0	146 E	54	55
6 20	16 38.82	+10 2.8	0.859	1.773	20.8	20.0	142 E	55	54
6 25	16 31.77	+11 22.1	0.854	1.742	23.4	20.1	137 E	56	53
6 30	16 25.23	+12 28.8	0.852	1.710	26.1	20.1	132 E	57	52
7 5	16 19.41	+13 22.4	0.854	1.678	28.8	20.1	127 E	58	51
7 15	16 10.57	+14 31.3	0.865	1.613	33.9	20.2	118 E	60	49
7 25	16 6.17	+14 55.5	0.881	1.549	38.2	20.3	109 E	60*	49
8 4	16 6.43	+14 44.5	0.897	1.485	42.0	20.4	102 E	59*	49
8 9	16 8.30	+14 28.5	0.904	1.453	43.7	20.4	98 E	58*	50
8 14	16 11.30	+14 6.7	0.909	1.421	45.2	20.4	95 E	57*	50
8 19	16 15.41	+13 40.2	0.912	1.390	46.7	20.4	92 E	56*	50
8 24	16 20.57	+13 9.6	0.914	1.359	48.1	20.4	90 E	55*	51
8 29	16 26.76	+12 35.3	0.914	1.329	49.4	20.4	87 E	54*	51*
9 3	16 33.98	+11 57.9	0.911	1.300	50.6	20.3	85 E	53*	52*
9 13	16 51.47	+10 34.6	0.899	1.245	53.1	20.3	81 E	51*	51*
9 23	17 13.04	+ 9 1.4	0.878	1.194	55.4	20.2	78 E	50*	51*
10 3	17 38.84	+ 7 18.2	0.849	1.151	57.7	20.1	76 E	49*	50*
10 13	18 9.21	+ 5 24.3	0.815	1.115	59.9	20.0	75 E	48*	50*
10 23	18 44.51	+ 3 19.3	0.779	1.090	61.7	19.9	75 E	47*	50*
11 2	19 25.04	+ 1 3.7	0.746	1.076	63.0	19.9	75 E	45*	50*
11 7	19 47.31	− 0 6.7	0.732	1.073	63.3	19.8	75 E	44*	51*
11 12	20 10.82	− 1 17.2	0.721	1.073	63.4	19.8	76 E	43*	52*
11 17	20 35.46	− 2 26.3	0.713	1.077	63.3	19.8	77 E	43*	53*
11 22	21 1.03	− 3 32.2	0.710	1.083	62.9	19.8	77 E	41*	54*
11 27	21 27.26	− 4 32.6	0.711	1.092	62.2	19.8	78 E	40	55*
12 2	21 53.85	− 5 25.6	0.718	1.104	61.3	19.8	79 E	40	56*
12 7	22 20.49	− 6 9.1	0.730	1.119	60.1	19.8	80 E	39	57*
12 12	22 46.82	− 6 42.0	0.747	1.136	58.8	19.9	81 E	38	58*
12 22	23 37.41	− 7 14.4	0.798	1.176	55.9	20.0	82 E	38	59*
1 1	0 24.03	− 7 5.5	0.868	1.224	52.8	20.2	83 E	38	60*
1 11	1 6.20	− 6 23.4	0.954	1.278	49.7	20.4	83 E	39	60*
1 21	1 44.14	− 5 19.0	1.054	1.336	46.8	20.6	82 E	40	59*
310535 2001 BJ_{43}									
4 26	17 30.64	−32 25.6	1.614	2.401	18.3	21.4	131 W	13	84
5 6	17 24.88	−32 23.4	1.531	2.407	15.0	21.2	142 W	13	84
5 16	17 15.59	−32 8.9	1.467	2.413	10.9	20.9	153 W	13	84
5 26	17 3.61	−31 38.5	1.427	2.417	6.6	20.7	164 W	13	84

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
310535 2001 BJ_{43} *(continuation)*									
6 5	16 50.25	−30 51.1	1.412	2.420	3.5	20.5	172 E	14	85
6 15	16 37.14	−29 49.2	1.424	2.422	5.9	20.7	166 E	15	86
6 25	16 25.83	−28 39.1	1.463	2.423	10.2	20.9	155 E	16	87
7 5	16 17.39	−27 28.6	1.526	2.423	14.3	21.1	144 E	18	89
7 15	16 12.33	−26 24.0	1.608	2.421	17.8	21.4	133 E	19	90
498548 2008 GH_{110}									
4 26	17 40.53	+ 9 20.0	0.692	1.505	33.7	21.5	124 W	54	55
5 1	17 36.58	+12 44.8	0.684	1.519	32.1	21.4	127 W	58	51
5 6	17 31.19	+16 2.2	0.681	1.531	30.8	21.4	129 W	61	48
5 11	17 24.46	+19 7.3	0.682	1.543	29.8	21.4	131 W	64	45
5 16	17 16.56	+21 55.2	0.687	1.554	29.1	21.4	132 W	67	42
5 21	17 7.76	+24 21.6	0.697	1.565	28.9	21.5	132 W	69	40
5 26	16 58.38	+26 23.8	0.711	1.575	29.0	21.5	131 W	71	38
5 31	16 48.77	+28 0.3	0.729	1.584	29.4	21.6	130 W	73	36
6 5	16 39.28	+29 10.9	0.750	1.592	30.1	21.7	128 E	74	35
6 10	16 30.26	+29 56.5	0.774	1.599	30.9	21.8	126 E	75	34
6 15	16 22.03	+30 18.8	0.801	1.606	31.7	21.9	124 E	75	34
6 20	16 14.81	+30 20.7	0.831	1.612	32.6	22.0	121 E	75	34
6 25	16 8.75	+30 4.9	0.862	1.617	33.5	22.1	119 E	75	34
6 30	16 3.93	+29 34.3	0.894	1.621	34.3	22.2	116 E	75	34
324387 2006 RR_{96}									
4 26	17 40.98	−30 58.6	2.230	2.972	15.2	21.4	129 W	14	85
5 6	17 35.43	−31 22.7	2.165	3.008	12.4	21.3	140 W	14	85
5 16	17 27.31	−31 40.4	2.120	3.044	9.3	21.2	151 W	13	84
5 26	17 17.26	−31 49.1	2.100	3.078	5.9	21.0	162 W	13	84
6 5	17 6.19	−31 47.1	2.107	3.112	3.2	20.9	170 W	13	84
6 15	16 55.16	−31 34.4	2.143	3.144	3.8	21.0	168 E	13	84
6 25	16 45.22	−31 13.3	2.208	3.176	6.7	21.2	159 E	14	85
7 5	16 37.14	−30 47.2	2.298	3.207	9.6	21.5	148 E	14	85
359003 2008 UY_4									
4 26	17 41.49	− 5 21.9	2.191	2.922	15.7	21.5	128 W	40	69
5 6	17 36.70	− 3 47.2	2.121	2.945	13.4	21.4	138 W	41	68
5 16	17 29.70	− 2 17.9	2.072	2.968	10.8	21.2	146 W	43	66
5 26	17 21.02	− 0 58.9	2.048	2.989	8.7	21.1	154 W	44	65
6 5	17 11.38	+ 0 5.1	2.050	3.010	7.6	21.1	157 W	45	64
6 15	17 1.65	+ 0 50.6	2.080	3.030	8.2	21.2	155 E	46	63
6 25	16 52.68	+ 1 16.1	2.137	3.048	10.1	21.3	148 E	46	63
7 5	16 45.18	+ 1 22.1	2.217	3.066	12.3	21.5	140 E	46	63
490718 2010 RL_{82}									
4 26	17 44.85	+15 0.4	0.913	1.667	31.3	21.5	121 W	60	49
5 1	17 44.50	+16 17.7	0.888	1.669	30.3	21.4	123 W	61	48
5 6	17 42.99	+17 29.7	0.865	1.670	29.3	21.3	126 W	62	47
5 11	17 40.31	+18 34.3	0.844	1.671	28.3	21.2	128 W	64	45
5 16	17 36.51	+19 29.2	0.826	1.672	27.3	21.1	131 W	64	45
5 21	17 31.68	+20 12.1	0.811	1.672	26.4	21.1	133 W	65	44
5 26	17 25.97	+20 41.0	0.799	1.672	25.6	21.0	134 W	66	43
5 31	17 19.56	+20 54.1	0.790	1.672	25.1	21.0	136 W	66	43
6 5	17 12.67	+20 50.1	0.784	1.672	24.8	20.9	136 W	66	43
6 10	17 5.58	+20 28.1	0.782	1.671	24.7	20.9	137 E	65	44
6 15	16 58.56	+19 48.2	0.783	1.670	24.9	20.9	136 E	65	44
6 20	16 51.92	+18 51.0	0.787	1.669	25.5	21.0	135 E	64	45
6 25	16 45.88	+17 38.2	0.796	1.668	26.2	21.0	134 E	63	46
6 30	16 40.65	+16 11.7	0.807	1.666	27.1	21.1	132 E	61	48
7 5	16 36.35	+14 33.6	0.822	1.664	28.2	21.1	129 E	60	49
7 10	16 33.10	+12 46.4	0.840	1.662	29.3	21.2	127 E	58	51
7 15	16 30.95	+10 52.3	0.861	1.660	30.5	21.3	124 E	56	53
7 20	16 29.92	+ 8 53.6	0.885	1.657	31.7	21.4	121 E	54	55
7 25	16 29.98	+ 6 52.3	0.911	1.654	32.8	21.5	118 E	52	57
537721 2015 TO_{234}									
4 26	17 45.19	−34 43.2	1.285	2.062	22.6	21.3	128 W	10	81
5 1	17 46.44	−35 6.8	1.226	2.045	21.4	21.1	132 W	10	81
5 6	17 46.72	−35 29.8	1.171	2.027	19.9	21.0	137 W	10	81
5 11	17 45.95	−35 51.6	1.119	2.009	18.3	20.8	141 W	9	80
5 16	17 44.09	−36 11.6	1.071	1.992	16.4	20.6	146 W	9	80
5 21	17 41.16	−36 28.8	1.027	1.974	14.4	20.4	151 W	9	80
5 26	17 37.17	−36 42.4	0.988	1.956	12.4	20.3	156 W	8	79
5 31	17 32.24	−36 51.3	0.954	1.938	10.3	20.1	160 W	8	79
6 5	17 26.47	−36 54.3	0.926	1.921	8.5	19.9	164 W	8	79
6 10	17 20.10	−36 50.7	0.902	1.903	7.4	19.8	166 W	8	79
6 15	17 13.38	−36 39.8	0.884	1.886	7.5	19.8	166 E	8	79
6 20	17 6.63	−36 21.6	0.871	1.868	8.9	19.8	164 E	9	80
6 25	17 0.17	−35 56.6	0.864	1.851	11.0	19.8	160 E	9	80
6 30	16 54.28	−35 25.6	0.862	1.834	13.6	19.9	155 E	10	81
7 5	16 49.22	−34 49.9	0.864	1.816	16.3	20.0	150 E	10	81
7 10	16 45.19	−34 10.8	0.871	1.800	19.0	20.0	145 E	11	82
7 15	16 42.34	−33 29.9	0.881	1.783	21.6	20.1	140 E	12	83

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
537721 2015 TO_{234} *(continuation)*									
7 20	16 40.77	−32 48.7	0.896	1.767	24.0	20.2	135 E	12	83
7 25	16 40.49	−32 8.0	0.913	1.750	26.3	20.3	130 E	13	84
7 30	16 41.48	−31 28.8	0.933	1.735	28.3	20.4	126 E	14	85
8 4	16 43.71	−30 51.5	0.955	1.719	30.2	20.5	122 E	14*	85
8 9	16 47.13	−30 16.4	0.979	1.704	31.8	20.6	118 E	15*	86
8 14	16 51.67	−29 43.4	1.004	1.689	33.3	20.6	114 E	15*	86
8 19	16 57.26	−29 12.6	1.030	1.675	34.6	20.7	110 E	16*	87
8 24	17 3.81	−28 43.4	1.058	1.661	35.6	20.8	107 E	16*	87
8 29	17 11.25	−28 15.5	1.086	1.648	36.6	20.8	104 E	16*	88
9 3	17 19.49	−27 48.5	1.115	1.635	37.3	20.9	101 E	17*	88
9 8	17 28.49	−27 21.7	1.144	1.623	38.0	21.0	98 E	17*	89
9 13	17 38.18	−26 54.7	1.174	1.611	38.5	21.0	95 E	18*	89*
9 18	17 48.49	−26 27.0	1.204	1.600	38.9	21.1	92 E	18*	86*
9 23	17 59.35	−25 58.0	1.234	1.590	39.1	21.1	90 E	19*	84*
9 28	18 10.71	−25 27.4	1.264	1.580	39.3	21.2	88 E	19*	82*
10 3	18 22.50	−24 54.6	1.294	1.571	39.4	21.2	85 E	20*	79*
10 8	18 34.70	−24 19.2	1.325	1.563	39.4	21.2	83 E	20*	77*
10 13	18 47.24	−23 41.0	1.355	1.556	39.3	21.3	81 E	21*	75*
10 18	19 0.07	−22 59.6	1.386	1.549	39.2	21.3	79 E	22*	72*
10 23	19 13.14	−22 14.8	1.417	1.543	39.0	21.4	77 E	23*	70*
10 28	19 26.41	−21 26.5	1.448	1.538	38.7	21.4	76 E	23*	68*
11 2	19 39.84	−20 34.5	1.480	1.534	38.4	21.4	74 E	24*	65*
11 7	19 53.39	−19 38.8	1.511	1.531	38.0	21.4	72 E	25*	63*
11 12	20 7.04	−18 39.3	1.544	1.529	37.6	21.5	70 E	26*	60*
523603 2004 QJ_7									
4 26	18 2.13	−39 0.3	1.076	1.837	27.1	21.3	124 W	6	77
5 1	17 59.79	−40 11.5	1.043	1.847	25.2	21.2	129 W	5	76
5 6	17 55.82	−41 23.0	1.013	1.857	23.3	21.1	133 W	4	75
5 11	17 50.14	−42 32.8	0.987	1.866	21.1	21.0	138 W	2	73
5 16	17 42.71	−43 38.9	0.965	1.874	18.9	20.9	143 W	1	72
5 21	17 33.65	−44 38.5	0.947	1.881	16.8	20.7	148 W	—	71
5 26	17 23.14	−45 28.9	0.935	1.888	14.9	20.7	151 W	—	71
5 31	17 11.51	−46 7.8	0.929	1.894	13.4	20.6	154 W	—	70
6 5	16 59.20	−46 33.2	0.928	1.900	12.6	20.6	156 W	—	69
6 10	16 46.73	−46 44.4	0.933	1.905	12.7	20.6	156 E	—	69
6 15	16 34.67	−46 41.5	0.944	1.909	13.6	20.7	154 E	—	69
6 20	16 23.51	−46 26.3	0.961	1.912	15.1	20.8	151 E	—	70
6 25	16 13.66	−46 0.9	0.983	1.915	16.9	20.9	147 E	—	70
6 30	16 5.35	−45 28.0	1.009	1.918	18.9	21.0	142 E	—	71
7 5	15 58.71	−44 50.3	1.040	1.919	20.8	21.1	138 E	—	71
7 10	15 53.78	−44 10.0	1.075	1.920	22.7	21.3	133 E	1	72
7 15	15 50.53	−43 29.3	1.114	1.920	24.4	21.4	129 E	2*	73
445269 2009 SU_{325}									
4 26	18 25.68	−22 7.5	0.970	1.709	30.7	21.3	120 W	23	86
5 6	18 38.82	−22 45.4	0.863	1.673	29.0	21.0	126 W	22	87
5 16	18 49.66	−23 35.4	0.767	1.638	26.5	20.6	134 W	21	88
5 26	18 57.71	−24 42.1	0.682	1.604	23.1	20.2	142 W	20	89
6 5	19 2.47	−26 8.9	0.610	1.573	18.8	19.8	150 W	19	90
6 15	19 3.54	−27 56.1	0.552	1.544	13.6	19.3	159 W	17	88
6 20	19 2.74	−28 55.8	0.528	1.530	10.8	19.1	164 W	16	87
6 25	19 1.15	−29 57.8	0.509	1.518	8.2	18.9	168 W	15	86
6 30	18 58.92	−31 0.4	0.494	1.506	6.3	18.7	171 W	14	85
7 5	18 56.24	−32 1.6	0.482	1.495	6.3	18.7	171 W	13	84
7 10	18 53.37	−32 59.3	0.475	1.484	8.1	18.7	168 E	12	83
7 15	18 50.64	−33 51.6	0.471	1.475	10.9	18.8	164 E	11	82
7 20	18 48.39	−34 36.9	0.471	1.467	14.1	18.9	159 E	10	81
7 25	18 46.91	−35 14.3	0.475	1.460	17.2	19.0	155 E	10	81
7 30	18 46.44	−35 43.2	0.482	1.453	20.3	19.1	150 E	9	80
8 4	18 47.16	−36 3.5	0.492	1.448	23.1	19.3	146 E	9	80
8 9	18 49.19	−36 15.2	0.504	1.444	25.7	19.4	142 E	9	80
8 14	18 52.61	−36 18.7	0.519	1.441	28.1	19.5	138 E	9	80
8 19	18 57.41	−36 14.4	0.537	1.439	30.2	19.6	134 E	9	80
8 24	19 3.49	−36 2.6	0.556	1.438	32.1	19.8	131 E	9	80
8 29	19 10.74	−35 43.6	0.578	1.439	33.7	19.9	128 E	9	80
9 3	19 19.04	−35 17.7	0.601	1.440	35.0	20.0	125 E	10	81
9 8	19 28.27	−34 45.2	0.626	1.443	36.2	20.2	122 E	10	81
9 13	19 38.29	−34 6.3	0.654	1.446	37.2	20.3	120 E	11	82
9 18	19 48.97	−33 21.3	0.683	1.451	38.0	20.4	117 E	12	83
9 23	20 0.15	−32 30.5	0.714	1.457	38.6	20.5	115 E	12	83
9 28	20 11.70	−31 34.3	0.746	1.464	39.1	20.6	113 E	13	84
10 3	20 23.54	−30 32.9	0.781	1.472	39.5	20.8	111 E	14	85
10 8	20 35.57	−29 26.8	0.817	1.481	39.7	20.9	109 E	16	87
10 13	20 47.72	−28 16.3	0.855	1.491	39.8	21.0	107 E	17	88
10 18	20 59.93	−27 2.0	0.895	1.501	39.9	21.1	105 E	18	89
10 23	21 12.11	−25 44.3	0.937	1.513	39.8	21.2	103 E	19	90
10 28	21 24.25	−24 23.7	0.981	1.525	39.7	21.3	101 E	21	88
11 2	21 36.30	−23 0.6	1.026	1.538	39.5	21.5	99 E	22	87

530535 2011 OR_{18}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	18 37.45	−15 42.6	1.297	1.963	27.3	21.4	116 W	29	80
5 6	18 45.45	−14 8.8	1.178	1.931	25.7	21.1	124 W	31	78
5 16	18 50.52	−12 26.5	1.070	1.899	23.4	20.7	132 W	33	76
5 26	18 52.34	−10 38.9	0.975	1.867	20.4	20.4	140 W	34	75
5 31	18 51.96	− 9 44.5	0.933	1.852	18.7	20.2	144 W	35	74
6 5	18 50.71	− 8 50.7	0.895	1.837	16.8	20.1	148 W	36	73
6 10	18 48.62	− 7 58.4	0.861	1.823	14.9	19.9	152 W	37	72
6 15	18 45.75	− 7 8.9	0.832	1.808	13.1	19.8	156 W	38	71
6 20	18 42.23	− 6 23.0	0.807	1.794	11.5	19.6	159 W	39	70
6 25	18 38.21	− 5 42.1	0.787	1.780	10.5	19.5	161 W	39	70
6 30	18 33.85	− 5 7.0	0.772	1.767	10.3	19.4	162 E	40	69
7 5	18 29.36	− 4 38.8	0.762	1.754	11.0	19.4	161 E	40	69
7 15	18 20.88	− 4 5.1	0.756	1.730	14.6	19.5	155 E	41	68
7 25	18 14.57	− 4 2.6	0.767	1.708	19.3	19.7	146 E	41	68
8 4	18 11.67	− 4 27.2	0.792	1.687	23.8	19.8	138 E	41	68
8 9	18 11.73	− 4 47.8	0.810	1.678	25.9	19.9	134 E	40	69
8 14	18 12.88	− 5 12.5	0.830	1.670	27.8	20.0	130 E	40	69
8 19	18 15.10	− 5 40.3	0.852	1.662	29.6	20.1	126 E	39	70
8 24	18 18.37	− 6 10.2	0.877	1.655	31.1	20.2	122 E	39	70
8 29	18 22.65	− 6 41.1	0.903	1.648	32.4	20.3	119 E	38	71
9 3	18 27.88	− 7 12.4	0.931	1.642	33.6	20.4	116 E	38	71
9 13	18 41.02	− 8 12.7	0.991	1.633	35.5	20.6	110 E	37	72
9 23	18 57.28	− 9 5.3	1.057	1.626	36.7	20.8	104 E	36	73
10 3	19 16.11	− 9 45.9	1.127	1.623	37.5	20.9	99 E	35	74
10 13	19 37.05	−10 11.4	1.201	1.623	37.8	21.1	95 E	35	74*
10 23	19 59.62	−10 19.4	1.280	1.626	37.7	21.2	90 E	35	72*
11 2	20 23.36	−10 9.2	1.362	1.632	37.4	21.3	86 E	35	68*
11 12	20 47.92	− 9 40.3	1.449	1.641	36.7	21.5	82 E	35	64*

183548 2003 HU_{42}

4 26	18 38.27	−11 27.3	1.618	2.244	23.9	21.3	116 W	34	75
5 6	18 40.44	−10 6.5	1.486	2.216	22.1	21.1	124 W	35	74
5 16	18 39.37	− 8 43.2	1.365	2.186	19.7	20.8	133 W	36	73
5 26	18 34.82	− 7 20.8	1.260	2.155	16.6	20.5	143 W	38	71
5 31	18 31.23	− 6 41.4	1.214	2.139	14.8	20.3	147 W	38	71
6 5	18 26.79	− 6 4.1	1.173	2.122	13.1	20.1	152 W	39	70
6 10	18 21.57	− 5 29.8	1.137	2.105	11.4	20.0	156 W	40	69
6 15	18 15.69	− 4 59.3	1.107	2.088	10.0	19.9	159 W	40	69
6 20	18 9.30	− 4 33.4	1.083	2.070	9.3	19.8	161 W	40	69
6 25	18 2.58	− 4 12.8	1.065	2.052	9.5	19.7	161 E	41	68
7 5	17 49.01	− 3 49.8	1.046	2.014	12.3	19.8	155 E	41	68
7 15	17 36.68	− 3 52.5	1.050	1.976	16.8	19.9	146 E	41	68
7 25	17 27.14	− 4 19.3	1.073	1.936	21.4	20.0	136 E	41	68
7 30	17 23.72	− 4 40.4	1.090	1.915	23.6	20.1	131 E	40	69
8 4	17 21.30	− 5 5.8	1.110	1.894	25.6	20.2	126 E	40	69
8 9	17 19.92	− 5 34.8	1.133	1.873	27.5	20.3	121 E	39	70
8 14	17 19.59	− 6 6.7	1.157	1.852	29.2	20.3	117 E	39	70
8 24	17 22.02	− 7 16.3	1.211	1.809	32.0	20.5	109 E	38*	71
9 3	17 28.30	− 8 29.6	1.266	1.764	34.1	20.6	101 E	36*	72
9 13	17 38.15	− 9 42.7	1.322	1.719	35.7	20.6	94 E	35*	74*
9 23	17 51.21	−10 51.8	1.376	1.674	36.8	20.7	88 E	33*	73*
10 3	18 7.18	−11 53.8	1.426	1.628	37.5	20.7	82 E	32*	70*
10 13	18 25.80	−12 45.8	1.472	1.582	37.9	20.8	77 E	31*	65*
10 23	18 46.84	−13 25.1	1.512	1.537	38.1	20.8	72 E	30*	61*
11 2	19 10.06	−13 49.1	1.547	1.492	38.1	20.7	68 E	30*	56*
11 12	19 35.29	−13 55.7	1.577	1.449	37.9	20.7	64 E	30*	51*
11 22	20 2.30	−13 42.8	1.601	1.407	37.6	20.7	60 E	30*	47*
12 2	20 30.89	−13 9.1	1.622	1.368	37.3	20.6	57 E	30*	42*
12 12	21 0.87	−12 13.6	1.638	1.332	36.9	20.6	54 E	30*	38*
12 22	21 32.01	−10 56.2	1.652	1.299	36.5	20.5	52 E	31*	34*
1 1	22 4.12	− 9 17.9	1.665	1.271	36.1	20.5	50 E	31*	31*
1 11	22 37.05	− 7 20.2	1.677	1.249	35.6	20.5	48 E	32*	29*
1 21	23 10.63	− 5 6.1	1.690	1.232	35.1	20.4	46 E	32*	27*

364877 2008 EM_9

4 26	18 39.14	−17 15.0	1.703	2.329	22.8	21.4	116 W	28	81
5 6	18 38.55	−16 23.6	1.496	2.241	21.4	21.0	126 W	29	80
5 16	18 33.91	−15 24.7	1.301	2.149	19.0	20.5	136 W	30	79
5 26	18 24.10	−14 16.3	1.123	2.051	15.3	20.0	148 W	31	78
5 31	18 16.87	−13 37.4	1.041	2.001	13.0	19.7	154 W	31	78
6 5	18 7.87	−12 54.9	0.966	1.949	10.5	19.3	160 W	32	77
6 10	17 56.99	−12 8.2	0.897	1.895	8.1	19.0	165 W	33	76
6 15	17 44.18	−11 17.1	0.835	1.840	6.7	18.7	168 W	34	75

364877 2008 EM_9 *(continuation)*

6 25	17 13.15	− 9 21.3	0.736	1.726	11.8	18.5	160 E	36	73
7 5	16 36.84	− 7 12.8	0.671	1.605	22.4	18.5	143 E	38	71
7 15	15 59.25	− 5 5.5	0.637	1.476	34.4	18.6	125 E	40	69
7 20	15 41.33	− 4 7.4	0.628	1.408	40.5	18.6	116 E	41*	68
7 25	15 24.47	− 3 14.5	0.624	1.338	46.6	18.7	107 E	40*	67
7 30	15 8.80	− 2 27.1	0.622	1.266	52.5	18.7	98 E	39*	66
8 4	14 54.27	− 1 44.9	0.621	1.191	58.5	18.7	90 E	37*	66
8 9	14 40.68	− 1 6.8	0.620	1.113	64.5	18.8	82 E	35*	64*
8 14	14 27.64	− 0 31.0	0.618	1.031	70.8	18.8	74 E	32*	60*
8 19	14 14.58	+ 0 4.8	0.613	0.947	77.7	18.8	66 E	29*	54*
8 24	14 0.69	+ 0 43.5	0.606	0.859	85.4	18.9	58 E	26*	48*
8 29	13 44.93	+ 1 28.0	0.597	0.767	94.7	19.0	49 E	22*	40*
9 3	13 25.94	+ 2 21.3	0.588	0.672	106.3	19.2	40 E	18*	31*
9 8	13 2.11	+ 3 24.8	0.583	0.573	121.3	19.9	29 E	13*	21*

430305 2013 WX_{106}

4 26	18 43.93	−16 8.8	1.874	2.472	21.7	21.4	115 W	29*	80
5 6	18 47.93	−15 52.0	1.721	2.428	20.3	21.1	124 W	29	80
5 16	18 49.31	−15 39.9	1.578	2.383	18.2	20.8	133 W	29	80
5 26	18 47.80	−15 34.9	1.451	2.337	15.3	20.5	142 W	29	80
6 5	18 43.27	−15 39.2	1.341	2.291	11.7	20.2	153 W	29	80
6 15	18 35.84	−15 54.1	1.253	2.245	7.4	19.8	164 W	29	80
6 25	18 26.13	−16 20.0	1.187	2.199	3.5	19.4	172 W	29	80
6 30	18 20.74	−16 36.7	1.164	2.176	3.5	19.4	173 E	28	81
7 5	18 15.22	−16 55.8	1.146	2.153	5.3	19.4	169 E	28	81
7 10	18 9.75	−17 16.8	1.135	2.130	7.8	19.5	164 E	28	81
7 15	18 4.54	−17 39.5	1.130	2.107	10.5	19.5	158 E	27	82
7 20	17 59.79	−18 3.6	1.130	2.083	13.1	19.6	152 E	27	82
7 25	17 55.66	−18 28.9	1.135	2.061	15.7	19.7	147 E	27	82
7 30	17 52.28	−18 54.9	1.145	2.038	18.2	19.8	141 E	26	83
8 4	17 49.77	−19 21.6	1.159	2.015	20.5	19.9	136 E	26	83
8 14	17 47.67	−20 15.7	1.197	1.970	24.6	20.0	126 E	25	84
8 24	17 49.67	−21 9.4	1.246	1.926	27.9	20.1	117 E	24	85
9 3	17 55.70	−22 0.5	1.301	1.883	30.5	20.3	109 E	23	86
9 13	18 5.54	−22 46.8	1.360	1.842	32.4	20.4	101 E	22*	87
9 23	18 18.87	−23 25.6	1.421	1.802	33.7	20.4	94 E	21*	87*
10 3	18 35.29	−23 54.3	1.481	1.764	34.6	20.5	88 E	21*	82*
10 13	18 54.46	−24 10.0	1.541	1.728	35.0	20.6	83 E	21*	76*
10 23	19 15.98	−24 10.1	1.599	1.695	35.0	20.6	78 E	21*	71*
11 2	19 39.46	−23 52.3	1.655	1.665	34.8	20.6	73 E	21*	66*
11 12	20 4.55	−23 14.7	1.709	1.638	34.3	20.7	69 E	21*	61*
11 22	20 30.87	−22 16.1	1.762	1.615	33.7	20.7	65 E	22*	56*
12 2	20 58.05	−20 56.2	1.814	1.596	32.8	20.7	61 E	23*	51*
12 12	21 25.80	−19 15.5	1.866	1.582	31.9	20.7	58 E	25*	46*
12 22	21 53.83	−17 15.3	1.918	1.571	30.8	20.7	55 E	26*	42*
1 1	22 21.92	−14 57.9	1.971	1.566	29.5	20.7	52 E	27*	38*
1 11	22 49.92	−12 25.9	2.026	1.565	28.2	20.8	49 E	28*	34*
1 21	23 17.72	− 9 42.7	2.083	1.569	26.8	20.8	46 E	28*	30*

270073 2001 PR_{49}

4 26	18 52.52	−12 36.1	1.270	1.896	29.4	21.4	112 W	32*	77
5 6	18 58.23	−10 24.1	1.165	1.884	27.6	21.1	120 W	35	74
5 16	19 0.41	− 8 2.5	1.069	1.871	25.2	20.9	128 W	37	72
5 26	18 58.71	− 5 35.8	0.986	1.857	22.0	20.6	137 W	39	70
6 5	18 53.01	− 3 10.7	0.918	1.842	18.5	20.3	145 W	42	67
6 10	18 48.71	− 2 1.9	0.890	1.835	16.7	20.2	149 W	43	66
6 15	18 43.57	− 0 57.6	0.867	1.827	15.2	20.0	152 W	44	65
6 20	18 37.75	+ 0 0.7	0.849	1.819	14.0	19.9	154 W	45	64
6 25	18 31.44	+ 0 51.5	0.836	1.810	13.5	19.9	155 W	46	63
6 30	18 24.86	+ 1 33.5	0.828	1.802	13.7	19.9	155 E	47	62
7 5	18 18.25	+ 2 5.8	0.825	1.793	14.7	19.9	153 E	47	62
7 15	18 5.98	+ 2 39.3	0.834	1.776	18.1	20.0	147 E	48	61
7 25	17 56.46	+ 2 33.3	0.860	1.758	22.3	20.2	139 E	48	61
8 4	17 50.81	+ 1 55.0	0.900	1.739	26.3	20.4	130 E	47	62
8 9	17 49.61	+ 1 26.6	0.924	1.730	28.2	20.5	126 E	46	63
8 14	17 49.52	+ 0 53.6	0.950	1.720	29.8	20.6	122 E	46	63
8 19	17 50.53	+ 0 17.2	0.978	1.711	31.3	20.7	119 E	45	64
8 24	17 52.58	− 0 21.4	1.007	1.701	32.6	20.7	115 E	45	64
8 29	17 55.62	− 1 1.4	1.038	1.692	33.8	20.8	111 E	44	65
9 3	17 59.61	− 1 42.0	1.069	1.682	34.8	20.9	108 E	43	66
9 8	18 4.49	− 2 22.5	1.102	1.672	35.6	21.0	105 E	43	66
9 13	18 10.22	− 3 2.1	1.134	1.663	36.3	21.1	102 E	42*	67
9 18	18 16.72	− 3 40.4	1.167	1.653	36.9	21.1	99 E	41*	68
9 23	18 23.95	− 4 16.7	1.200	1.644	37.4	21.2	96 E	41*	68*
9 28	18 31.85	− 4 50.7	1.233	1.634	37.7	21.2	93 E	40*	68*
10 3	18 40.37	− 5 22.0	1.266	1.625	38.0	21.3	91 E	40*	68*
10 8	18 49.48	− 5 50.2	1.299	1.615	38.2	21.3	88 E	39*	67*
10 13	18 59.14	− 6 15.1	1.331	1.606	38.3	21.4	86 E	39*	66*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
270073 2001 PR_{49} *(continuation)*									
10 18	19 9.30	− 6 36.2	1.363	1.597	38.3	21.4	84 E	38*	65*
10 23	19 19.91	− 6 53.5	1.395	1.588	38.3	21.5	81 E	38*	63*
10 28	19 30.94	− 7 6.6	1.427	1.579	38.2	21.5	79 E	38*	61*
291542 2006 EK_{47}									
4 26	19 6.87	−52 35.1	1.865	2.412	23.0	21.4	111 W	—	63
5 1	19 11.14	−53 27.6	1.802	2.396	22.6	21.3	114 W	—	63
5 6	19 14.53	−54 21.8	1.740	2.380	22.1	21.2	117 W	—	62
5 11	19 16.92	−55 17.5	1.682	2.363	21.6	21.0	121 W	—	61
5 16	19 18.18	−56 14.1	1.626	2.346	20.9	20.9	124 W	—	60
5 21	19 18.18	−57 10.9	1.574	2.329	20.3	20.8	127 W	—	59
5 26	19 16.79	−58 6.9	1.526	2.312	19.6	20.7	130 W	—	58
5 31	19 13.90	−59 0.9	1.481	2.295	18.9	20.6	133 W	—	57
6 5	19 9.42	−59 51.3	1.440	2.278	18.2	20.5	136 W	—	56
6 10	19 3.31	−60 36.2	1.403	2.260	17.6	20.4	138 W	—	55
6 15	18 55.64	−61 13.4	1.371	2.242	17.1	20.3	140 W	—	55
6 20	18 46.60	−61 40.9	1.343	2.225	16.8	20.3	141 W	—	54
6 25	18 36.51	−61 56.8	1.320	2.207	16.8	20.2	141 W	—	54
6 27	18 32.26	−61 59.6	1.312	2.199	16.8	20.2	141 W	—	54
6 29	18 27.95	−62 0.3	1.305	2.192	16.9	20.2	141 E	—	54
7 1	18 23.60	−61 58.7	1.299	2.185	17.0	20.2	141 E	—	54
7 3	18 19.24	−61 54.9	1.293	2.178	17.2	20.2	141 E	—	54
7 5	18 14.91	−61 48.8	1.288	2.171	17.4	20.1	140 E	—	54
7 7	18 10.65	−61 40.5	1.284	2.163	17.6	20.1	140 E	—	54
7 9	18 6.48	−61 30.0	1.281	2.156	17.9	20.1	139 E	—	55
7 11	18 2.45	−61 17.3	1.278	2.149	18.2	20.1	139 E	—	55
7 13	17 58.59	−61 2.5	1.277	2.141	18.6	20.1	138 E	—	55
7 15	17 54.91	−60 45.7	1.275	2.134	19.0	20.1	137 E	—	55
7 20	17 46.71	−59 55.6	1.276	2.116	20.0	20.2	135 E	—	56
7 25	17 40.08	−58 55.6	1.280	2.097	21.2	20.2	132 E	—	57
7 30	17 35.17	−57 47.6	1.288	2.079	22.4	20.2	129 E	—	58
8 4	17 32.00	−56 33.5	1.300	2.061	23.7	20.3	125 E	—	59
8 9	17 30.53	−55 15.0	1.315	2.042	24.9	20.3	122 E	—	61
8 14	17 30.67	−53 53.9	1.332	2.024	26.1	20.3	119 E	—	62
8 19	17 32.29	−52 31.3	1.353	2.005	27.2	20.4	115 E	—	63
8 24	17 35.23	−51 8.2	1.376	1.987	28.2	20.4	112 E	—	65
8 29	17 39.36	−49 45.1	1.400	1.969	29.1	20.5	108 E	—	66
9 3	17 44.54	−48 22.5	1.427	1.951	29.9	20.5	105 E	—	68
9 8	17 50.66	−47 0.5	1.455	1.933	30.7	20.6	102 E	—	69
9 13	17 57.61	−45 39.2	1.484	1.915	31.3	20.6	99 E	—	70
9 18	18 5.29	−44 18.6	1.514	1.897	31.8	20.6	96 E	1*	72
9 23	18 13.58	−42 58.5	1.544	1.879	32.2	20.7	93 E	2*	73*
9 28	18 22.41	−41 38.6	1.575	1.862	32.6	20.7	90 E	3*	73*
10 3	18 31.72	−40 18.6	1.607	1.845	32.8	20.7	87 E	5*	74*
10 8	18 41.43	−38 58.4	1.639	1.828	32.9	20.8	84 E	6*	73*
10 13	18 51.50	−37 37.6	1.671	1.811	33.0	20.8	81 E	7*	72*
10 18	19 1.86	−36 15.9	1.703	1.795	33.0	20.8	79 E	9*	71*
10 23	19 12.47	−34 53.2	1.735	1.778	32.9	20.8	76 E	10*	69*
10 28	19 23.27	−33 29.2	1.766	1.763	32.7	20.8	73 E	11*	67*
11 2	19 34.25	−32 3.6	1.798	1.748	32.5	20.9	71 E	13*	65*
11 7	19 45.37	−30 36.3	1.829	1.733	32.2	20.9	69 E	14*	62*
11 12	19 56.60	−29 7.1	1.860	1.718	31.8	20.9	66 E	15*	60*
11 17	20 7.91	−27 36.0	1.890	1.704	31.4	20.9	64 E	17*	57*
11 22	20 19.28	−26 2.9	1.919	1.691	30.9	20.9	62 E	18*	54*
11 27	20 30.70	−24 27.7	1.948	1.678	30.4	20.9	59 E	20*	51*
12 2	20 42.15	−22 50.3	1.977	1.666	29.9	20.9	57 E	21*	48*
12 7	20 53.62	−21 10.8	2.005	1.654	29.3	20.9	55 E	22*	45*
12 12	21 5.11	−19 29.2	2.032	1.643	28.7	20.9	53 E	24*	42*
12 17	21 16.60	−17 45.6	2.059	1.633	28.0	20.9	51 E	25*	39*
12 22	21 28.10	−16 0.0	2.085	1.624	27.3	20.9	49 E	26*	36*
12 27	21 39.59	−14 12.5	2.110	1.615	26.6	20.9	47 E	27*	33*
1 1	21 51.09	−12 23.3	2.135	1.607	25.9	20.9	45 E	27*	30*
1 6	22 2.61	−10 32.4	2.159	1.600	25.1	20.8	44 E	28*	27*
1 11	22 14.14	− 8 40.0	2.183	1.593	24.4	20.8	42 E	28*	24*
1 16	22 25.68	− 6 46.3	2.206	1.588	23.6	20.8	40 E	28*	22*
1 21	22 37.25	− 4 51.5	2.228	1.583	22.8	20.8	39 E	28*	19*
537562 2015 OX_{77}									
4 26	19 13.58	−31 17.2	1.391	1.972	28.7	21.3	110 W	13*	85
5 1	19 19.04	−30 47.4	1.323	1.954	28.3	21.1	113 W	14*	85
5 6	19 23.80	−30 14.7	1.257	1.936	27.7	21.0	117 W	15*	86
5 11	19 27.79	−29 39.0	1.193	1.918	26.9	20.8	121 W	15*	86
5 16	19 30.93	−29 0.1	1.131	1.899	25.9	20.6	125 W	16*	87
5 21	19 33.16	−28 17.6	1.072	1.881	24.7	20.5	129 W	17	88
5 26	19 34.42	−27 31.3	1.015	1.863	23.2	20.3	133 W	17	88
5 31	19 34.64	−26 40.7	0.962	1.846	21.5	20.1	138 W	18	89
6 5	19 33.76	−25 45.3	0.912	1.828	19.5	19.9	143 W	19	90
6 15	19 28.62	−23 38.5	0.825	1.793	14.6	19.5	154 W	21	88
6 25	19 19.29	−21 8.5	0.757	1.758	8.7	19.0	165 W	24	85
7 5	19 6.82	−18 17.0	0.710	1.725	3.0	18.5	175 W	27	82

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
537562 2015 OX_{77} *(continuation)*									
7 10	18 59.98	−16 45.7	0.695	1.708	4.0	18.5	173 E	28	81
7 15	18 53.13	−15 13.1	0.685	1.692	7.3	18.7	168 E	30	79
7 20	18 46.62	−13 41.2	0.681	1.677	10.9	18.8	162 E	31	78
7 25	18 40.71	−12 12.1	0.683	1.662	14.6	18.9	156 E	33	76
7 30	18 35.63	−10 47.5	0.688	1.647	18.1	19.0	150 E	34	75
8 4	18 31.58	− 9 29.0	0.699	1.633	21.4	19.1	144 E	36	73
8 14	18 27.05	− 7 13.2	0.730	1.606	27.2	19.4	134 E	38	71
8 24	18 27.55	− 5 25.9	0.772	1.581	31.8	19.6	124 E	40	69
9 3	18 32.81	− 4 2.9	0.820	1.559	35.4	19.8	117 E	41	68
9 8	18 37.09	− 3 28.6	0.847	1.549	36.8	19.9	113 E	42	67
9 13	18 42.38	− 2 58.0	0.874	1.540	37.9	20.0	110 E	42	67
9 18	18 48.62	− 2 30.1	0.901	1.532	38.9	20.1	107 E	43	66
9 23	18 55.71	− 2 4.1	0.930	1.524	39.7	20.1	104 E	43	66
10 3	19 12.19	− 1 15.3	0.987	1.512	40.8	20.3	99 E	44	65
10 13	19 31.38	− 0 26.7	1.046	1.503	41.4	20.4	95 E	45	64*
10 23	19 52.82	+ 0 25.7	1.105	1.498	41.6	20.5	91 E	45	61*
11 2	20 16.11	+ 1 24.6	1.166	1.497	41.5	20.6	87 E	46	58*
11 12	20 40.91	+ 2 31.7	1.229	1.499	41.1	20.7	84 E	48	54*
11 22	21 6.90	+ 3 48.0	1.295	1.506	40.4	20.8	81 E	49	50*
12 2	21 33.77	+ 5 13.0	1.364	1.516	39.6	20.9	79 E	50*	45*
12 12	22 1.29	+ 6 46.2	1.438	1.529	38.6	21.1	76 E	52*	41*
12 22	22 29.21	+ 8 26.0	1.515	1.546	37.5	21.2	73 E	53*	36*
1 1	22 57.34	+10 10.3	1.598	1.567	36.2	21.3	70 E	54*	32*
1 11	23 25.56	+11 57.1	1.685	1.590	34.8	21.4	67 E	54*	29*
1 21	23 53.74	+13 44.0	1.777	1.615	33.3	21.5	64 E	53*	26*
496114 2009 WF_{185}									
4 26	19 16.03	−25 8.9	2.293	2.781	20.1	21.3	109 W	19*	89
5 6	19 18.28	−24 3.7	2.127	2.743	19.0	21.1	118 W	21*	88
5 16	19 17.79	−22 52.8	1.971	2.705	17.3	20.8	127 W	22	87
5 26	19 14.30	−21 35.3	1.831	2.666	14.9	20.6	137 W	23	86
6 5	19 7.77	−20 10.5	1.709	2.627	11.7	20.3	148 W	25	84
6 15	18 58.37	−18 38.1	1.610	2.587	7.9	20.0	160 W	26	83
6 25	18 46.73	−16 59.3	1.539	2.546	3.9	19.6	170 W	28	81
6 30	18 40.38	−16 8.3	1.514	2.526	2.9	19.5	173 W	29	80
7 5	18 33.88	−15 17.0	1.496	2.505	3.7	19.5	171 E	30	79
7 10	18 27.40	−14 26.1	1.486	2.484	5.7	19.6	166 E	31	78
7 15	18 21.12	−13 36.3	1.482	2.463	8.0	19.7	160 E	31	78
7 20	18 15.21	−12 48.3	1.486	2.442	10.4	19.8	154 E	32	77
7 25	18 9.81	−12 2.7	1.496	2.421	12.7	19.8	149 E	33	76
8 4	18 0.99	−10 40.4	1.533	2.379	16.9	20.0	137 E	34	75
8 14	17 55.30	− 9 31.7	1.588	2.336	20.4	20.2	126 E	35	74
8 24	17 53.00	− 8 36.4	1.656	2.293	23.3	20.3	116 E	36	73
9 3	17 54.02	− 7 52.4	1.733	2.250	25.3	20.4	107 E	37	72
9 13	17 58.14	− 7 16.8	1.813	2.207	26.8	20.5	99 E	38*	71
9 23	18 5.09	− 6 46.3	1.893	2.164	27.6	20.6	91 E	38*	70*
10 3	18 14.53	− 6 17.7	1.972	2.121	28.0	20.6	84 E	38*	66*
10 13	18 26.22	− 5 47.9	2.046	2.079	28.0	20.7	78 E	38*	61*
10 23	18 39.89	− 5 14.2	2.114	2.037	27.7	20.7	72 E	38*	55*
11 2	18 55.32	− 4 34.3	2.175	1.996	27.1	20.7	66 E	38*	48*
11 12	19 12.34	− 3 46.2	2.229	1.957	26.3	20.7	61 E	38*	41*
11 22	19 30.79	− 2 48.1	2.276	1.918	25.5	20.7	57 E	38*	35*
12 2	19 50.52	− 1 38.8	2.315	1.880	24.5	20.6	52 E	38*	28*
12 12	20 11.43	− 0 17.2	2.347	1.845	23.5	20.6	48 E	37*	22*
12 22	20 33.42	+ 1 17.1	2.373	1.811	22.5	20.5	45 E	36*	16*
1 1	20 56.42	+ 3 3.9	2.393	1.779	21.4	20.5	41 E	34*	11*
1 11	21 20.36	+ 5 2.8	2.410	1.750	20.4	20.4	38 E	32*	6*
1 21	21 45.19	+ 7 12.7	2.424	1.724	19.5	20.4	36 E	30*	2*
4596 1981 QB									
4 26	19 24.17	+18 22.6	2.337	2.657	22.1	21.4	97 W	62*	46
5 6	19 27.76	+20 15.6	2.190	2.609	22.1	21.3	103 W	65*	44
5 16	19 28.98	+22 6.7	2.048	2.559	22.0	21.1	109 W	67	42
5 26	19 27.52	+23 50.3	1.914	2.508	21.6	20.9	114 W	69	40
6 5	19 23.14	+25 18.9	1.789	2.455	21.0	20.6	120 W	70	39
6 15	19 15.70	+26 23.3	1.675	2.401	20.4	20.4	124 W	71	38
6 20	19 10.89	+26 42.9	1.624	2.373	20.1	20.3	127 W	72	37
6 25	19 5.44	+26 52.3	1.576	2.345	19.9	20.2	128 W	72	37
6 30	18 59.43	+26 50.3	1.532	2.316	19.8	20.1	130 W	72	37
7 5	18 52.98	+26 35.6	1.492	2.287	19.7	20.1	131 E	72	37
7 10	18 46.25	+26 7.3	1.456	2.258	19.8	20.0	131 E	71	38
7 15	18 39.42	+25 24.7	1.425	2.228	20.1	19.9	131 E	70	39
7 20	18 32.68	+24 27.7	1.399	2.198	20.6	19.9	130 E	69	40
7 25	18 26.22	+23 16.6	1.377	2.167	21.3	19.8	129 E	68	41
7 30	18 20.21	+21 52.3	1.360	2.136	22.1	19.8	128 E	67	42
8 4	18 14.81	+20 15.7	1.347	2.105	23.1	19.8	125 E	65	44
8 9	18 10.15	+18 28.4	1.339	2.073	24.2	19.7	123 E	63	46
8 14	18 6.35	+16 31.9	1.335	2.041	25.4	19.7	120 E	62	47

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		4596 1981 *QB* *(continuation)*							
	h m	° ′			°	m	°	°	°
8 19	18 3.47	+14 28.3	1.335	2.009	26.7	19.7	117 E	59	50
8 24	18 1.56	+12 19.4	1.339	1.976	27.9	19.8	114 E	57	52
8 29	18 0.63	+10 6.8	1.346	1.943	29.2	19.8	110 E	55	54
9 3	18 0.69	+ 7 52.2	1.355	1.909	30.4	19.8	107 E	53	56
9 8	18 1.73	+ 5 36.9	1.367	1.875	31.5	19.8	103 E	51*	58
9 13	18 3.74	+ 3 22.3	1.381	1.841	32.6	19.8	100 E	48*	61
9 18	18 6.68	+ 1 9.4	1.397	1.807	33.6	19.8	96 E	46*	63
9 23	18 10.52	− 1 0.9	1.414	1.773	34.4	19.8	93 E	44*	65*
10 3	18 20.78	− 5 11.5	1.451	1.703	35.9	19.8	86 E	39*	66*
10 13	18 34.32	− 9 5.5	1.488	1.633	36.9	19.8	79 E	35*	65*
10 23	18 50.93	−12 40.5	1.523	1.563	37.6	19.8	73 E	31*	61*
11 2	19 10.45	−15 55.0	1.555	1.494	37.9	19.8	68 E	28*	57*
11 12	19 32.80	−18 47.7	1.582	1.426	38.0	19.7	62 E	25*	53*
11 22	19 57.89	−21 17.2	1.602	1.360	37.9	19.6	58 E	22*	48*
12 2	20 25.65	−23 22.1	1.614	1.297	37.7	19.5	54 E	20*	44*
12 12	20 56.04	−25 0.2	1.617	1.239	37.5	19.4	50 E	18*	41*
12 22	21 28.95	−26 8.9	1.612	1.187	37.4	19.3	47 E	16*	39*
1 1	22 4.27	−26 44.9	1.599	1.143	37.6	19.2	45 E	15*	37*
1 11	22 41.82	−26 44.2	1.579	1.109	38.1	19.1	44 E	14*	36*
1 21	23 21.30	−26 2.8	1.554	1.086	38.9	19.1	44 E	14*	37*
		506427 2000 RE_{34}							
4 26	19 36.73	−22 0.7	1.589	2.068	28.2	21.3	103 W	22*	86
5 6	19 49.89	−21 7.6	1.447	2.027	27.9	21.1	110 W	23*	85
5 16	20 1.25	−20 11.1	1.313	1.986	27.0	20.8	117 W	24*	84
5 26	20 10.44	−19 12.9	1.188	1.946	25.5	20.5	124 W	26*	83
6 5	20 17.09	−18 14.8	1.073	1.907	23.3	20.2	132 W	27	82
6 15	20 20.76	−17 18.9	0.971	1.869	20.3	19.8	140 W	28	81
6 25	20 21.19	−16 27.1	0.883	1.834	16.3	19.4	150 W	29	80
7 5	20 18.38	−15 41.1	0.812	1.800	11.5	19.0	159 W	29	80
7 15	20 12.73	−15 2.2	0.759	1.768	6.1	18.6	169 W	30	79
7 20	20 9.17	−14 45.5	0.740	1.753	3.8	18.4	173 W	30	79
7 25	20 5.38	−14 30.6	0.726	1.739	3.4	18.3	174 E	30	79
7 30	20 1.55	−14 17.5	0.716	1.726	5.5	18.4	171 E	31	78
8 4	19 57.92	−14 6.0	0.712	1.713	8.4	18.5	166 E	31	78
8 9	19 54.72	−13 56.1	0.712	1.701	11.5	18.6	160 E	31	78
8 14	19 52.16	−13 47.5	0.716	1.690	14.5	18.7	155 E	31	78
8 24	19 49.65	−13 32.8	0.737	1.670	20.1	19.0	145 E	31	78
9 3	19 51.20	−13 19.2	0.771	1.654	24.9	19.2	136 E	32	77
9 13	19 57.05	−13 3.5	0.817	1.642	28.8	19.4	128 E	32	77
9 23	20 6.95	−12 42.2	0.873	1.634	31.8	19.6	121 E	32	77
10 3	20 20.35	−12 12.2	0.936	1.630	33.9	19.8	115 E	33	76
10 13	20 36.64	−11 31.2	1.007	1.630	35.4	20.0	109 E	33	76
10 23	20 55.20	−10 37.3	1.083	1.634	36.3	20.2	104 E	34	75
11 2	21 15.43	− 9 30.1	1.166	1.643	36.7	20.4	99 E	36	73*
11 12	21 36.88	− 8 9.7	1.255	1.655	36.6	20.6	94 E	37	70*
11 22	21 59.13	− 6 36.9	1.349	1.672	36.2	20.7	90 E	38	66*
12 2	22 21.85	− 4 53.5	1.449	1.691	35.5	20.9	86 E	40	61*
12 12	22 44.82	− 3 1.0	1.554	1.715	34.6	21.1	82 E	42	55*
12 22	23 7.87	− 1 1.7	1.663	1.741	33.5	21.2	78 E	44	50*
1 1	23 30.87	+ 1 2.1	1.777	1.770	32.2	21.4	74 E	46*	45*
1 11	23 53.80	+ 3 8.6	1.894	1.802	30.7	21.5	69 E	47*	40*
		326683 2002 *WP*							
4 26	19 37.18	−22 42.2	1.234	1.763	33.7	21.5	103 W	21*	87
5 6	19 47.96	−24 18.8	1.128	1.762	32.3	21.3	111 W	20*	88
5 16	19 55.86	−26 24.0	1.028	1.758	30.2	21.0	119 W	18*	90
5 26	20 0.11	−29 4.2	0.936	1.752	27.1	20.7	128 W	16*	87
6 5	19 59.79	−32 22.9	0.856	1.744	23.2	20.4	137 W	13	84
6 10	19 57.54	−34 15.8	0.821	1.739	20.9	20.2	142 W	11	82
6 15	19 53.74	−36 16.0	0.791	1.734	18.6	20.0	147 W	9	80
6 20	19 48.30	−38 20.9	0.766	1.729	16.3	19.9	151 W	7	78
6 25	19 41.18	−40 27.0	0.747	1.722	14.4	19.8	155 W	5	76
6 30	19 32.46	−42 30.3	0.732	1.716	13.2	19.7	157 W	2	73
7 5	19 22.28	−44 26.1	0.724	1.709	13.0	19.6	158 W	1	72
7 10	19 10.99	−46 10.1	0.721	1.701	14.0	19.6	156 E	—	70
7 15	18 59.09	−47 38.8	0.724	1.693	15.9	19.7	153 E	—	68
7 20	18 47.17	−48 50.2	0.732	1.684	18.3	19.8	149 E	—	67
7 25	18 35.85	−49 44.1	0.744	1.675	21.0	19.9	144 E	—	66
7 30	18 25.67	−50 21.4	0.761	1.666	23.6	20.0	139 E	—	66
8 4	18 17.07	−50 44.1	0.781	1.656	26.1	20.1	134 E	—	65
8 9	18 10.36	−50 54.8	0.805	1.645	28.5	20.3	129 E	—	65
8 14	18 5.70	−50 55.8	0.830	1.635	30.7	20.4	125 E	—	65
8 19	18 3.14	−50 49.8	0.858	1.623	32.6	20.5	120 E	—	65
8 24	18 2.58	−50 38.4	0.886	1.612	34.3	20.6	116 E	—	65
8 29	18 3.90	−50 23.0	0.916	1.599	35.8	20.7	112 E	—	66
9 3	18 6.96	−50 4.4	0.946	1.587	37.1	20.8	109 E	—	66
9 8	18 11.63	−49 43.1	0.976	1.574	38.2	20.9	105 E	—	66
9 13	18 17.76	−49 19.5	1.006	1.561	39.1	20.9	102 E	—	67

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		326683 2002 *WP* *(continuation)*							
	h m	° ′			°	m	°	°	°
9 18	18 25.19	−48 53.4	1.035	1.547	39.9	21.0	99 E	—	67
9 23	18 33.77	−48 24.7	1.064	1.533	40.6	21.1	96 E	—	68
9 28	18 43.37	−47 53.0	1.092	1.519	41.2	21.1	93 E	—	68*
10 3	18 53.88	−47 17.9	1.119	1.505	41.7	21.2	90 E	—	68*
10 8	19 5.19	−46 39.0	1.145	1.490	42.1	21.2	88 E	—	69*
10 13	19 17.19	−45 55.8	1.170	1.475	42.4	21.2	85 E	—	69*
10 18	19 29.79	−45 7.9	1.194	1.460	42.7	21.3	83 E	—	69*
10 23	19 42.87	−44 14.9	1.216	1.444	42.9	21.3	81 E	1	68*
10 28	19 56.35	−43 16.4	1.236	1.429	43.0	21.3	79 E	2	68*
11 2	20 10.16	−42 12.1	1.256	1.413	43.2	21.3	77 E	3	68*
11 7	20 24.24	−41 1.5	1.274	1.397	43.2	21.3	75 E	4	67*
11 12	20 38.51	−39 44.5	1.291	1.382	43.3	21.3	73 E	5	66*
11 17	20 52.90	−38 21.0	1.306	1.366	43.4	21.3	72 E	7	65*
11 22	21 7.37	−36 50.9	1.320	1.350	43.4	21.3	70 E	8	64*
11 27	21 21.87	−35 14.0	1.333	1.334	43.4	21.3	68 E	10	62*
12 2	21 36.37	−33 30.4	1.345	1.319	43.4	21.3	67 E	11	61*
12 7	21 50.86	−31 40.0	1.356	1.304	43.4	21.3	65 E	13*	59*
12 12	22 5.31	−29 43.2	1.366	1.289	43.4	21.3	64 E	15*	57*
12 17	22 19.69	−27 40.0	1.375	1.274	43.4	21.3	63 E	17*	55*
12 22	22 34.01	−25 30.8	1.383	1.260	43.4	21.3	62 E	19*	53*
12 27	22 48.26	−23 15.8	1.391	1.246	43.4	21.3	60 E	21*	51*
1 1	23 2.46	−20 55.4	1.398	1.233	43.3	21.3	59 E	23*	49*
1 6	23 16.62	−18 29.9	1.405	1.220	43.3	21.2	58 E	25*	46*
1 11	23 30.75	−15 59.8	1.412	1.208	43.2	21.2	57 E	27*	44*
1 16	23 44.87	−13 25.8	1.418	1.196	43.2	21.2	56 E	29*	42*
1 21	23 59.00	−10 48.3	1.425	1.186	43.1	21.2	55 E	31*	40*
		464271 2015 TO_{67}							
4 26	19 45.35	−29 7.9	1.407	1.899	31.1	21.5	103 W	14*	87
5 6	20 1.59	−29 10.7	1.286	1.872	30.7	21.2	109 W	15*	87
5 16	20 15.94	−29 17.2	1.172	1.845	29.8	21.0	115 W	15*	87
5 26	20 27.98	−29 30.1	1.066	1.818	28.2	20.7	122 W	15*	86
6 5	20 37.20	−29 51.7	0.969	1.793	25.9	20.4	129 W	15*	86
6 10	20 40.55	−30 6.2	0.924	1.781	24.5	20.2	133 W	15	86
6 15	20 42.96	−30 23.0	0.882	1.769	22.9	20.1	137 W	15	86
6 20	20 44.39	−30 41.9	0.844	1.757	21.1	19.9	142 W	14	85
6 25	20 44.77	−31 2.5	0.809	1.746	19.0	19.7	146 W	14	85
6 30	20 44.09	−31 23.8	0.777	1.735	16.8	19.5	150 W	14	85
7 5	20 42.34	−31 45.1	0.749	1.725	14.5	19.4	155 W	13	84
7 10	20 39.56	−32 4.9	0.726	1.715	12.2	19.2	159 W	13	84
7 15	20 35.89	−32 21.7	0.707	1.705	10.0	19.1	163 W	13	84
7 20	20 31.50	−32 34.0	0.692	1.696	8.4	18.9	166 W	12	83
7 25	20 26.63	−32 40.4	0.683	1.688	7.9	18.9	167 W	12	83
7 30	20 21.57	−32 39.9	0.677	1.679	8.7	18.9	166 E	12	83
8 4	20 16.59	−32 31.8	0.676	1.672	10.6	18.9	162 E	12	83
8 9	20 12.01	−32 15.9	0.680	1.665	13.0	19.0	158 E	13	84
8 14	20 8.11	−31 52.4	0.688	1.658	15.7	19.1	154 E	13	84
8 19	20 5.14	−31 22.0	0.700	1.653	18.3	19.3	149 E	14	85
8 24	20 3.23	−30 45.6	0.716	1.647	20.9	19.4	145 E	14	85
8 29	20 2.47	−30 4.3	0.735	1.643	23.3	19.5	140 E	15	86
9 3	20 2.90	−29 18.7	0.758	1.639	25.5	19.6	136 E	16	87
9 8	20 4.50	−28 29.9	0.783	1.635	27.5	19.8	132 E	17	88
9 13	20 7.24	−27 38.2	0.811	1.633	29.2	19.9	128 E	17	88
9 18	20 11.05	−26 44.3	0.841	1.631	30.8	20.0	124 E	18	89
9 23	20 15.82	−25 48.5	0.874	1.629	32.1	20.1	120 E	19	90
9 28	20 21.46	−24 50.9	0.908	1.629	33.3	20.2	117 E	20	89
10 3	20 27.88	−23 51.7	0.944	1.628	34.2	20.4	114 E	21	88
10 8	20 34.99	−22 50.9	0.982	1.629	35.0	20.5	111 E	22	87
10 13	20 42.71	−21 48.4	1.021	1.630	35.7	20.6	108 E	23	86
10 18	20 50.96	−20 44.4	1.062	1.632	36.1	20.7	105 E	24	85
10 23	20 59.66	−19 38.7	1.104	1.635	36.5	20.8	102 E	25	84
10 28	21 8.73	−18 31.5	1.147	1.638	36.7	20.9	100 E	26	83
11 2	21 18.13	−17 22.6	1.192	1.642	36.8	21.0	97 E	28	81*
11 7	21 27.80	−16 12.2	1.237	1.647	36.9	21.0	95 E	29	79*
11 12	21 37.71	−15 0.3	1.284	1.652	36.8	21.1	92 E	30	76*
11 17	21 47.80	−13 46.9	1.331	1.658	36.6	21.2	90 E	31	73*
11 22	21 58.05	−12 32.1	1.380	1.664	36.4	21.3	88 E	32	70*
11 27	22 8.41	−11 16.2	1.429	1.671	36.1	21.4	85 E	34	67*
12 2	22 18.88	− 9 59.2	1.479	1.678	35.7	21.4	83 E	35	64*
		345853 2007 PU_{11}							
4 26	20 5.03	− 5 31.9	2.534	2.780	21.2	21.5	93 W	36*	70
5 6	20 11.86	− 4 8.5	2.348	2.722	21.4	21.3	101 W	39*	68
5 16	20 17.05	− 2 42.5	2.167	2.663	21.1	21.0	108 W	41*	67
5 26	20 20.33	− 1 15.9	1.993	2.603	20.4	20.8	116 W	43*	65
6 5	20 21.42	+ 0 9.0	1.829	2.542	19.3	20.5	124 W	45	64
6 15	20 20.01	+ 1 28.6	1.678	2.480	17.6	20.2	132 W	46	63
6 25	20 15.93	+ 2 38.3	1.544	2.417	15.5	19.9	141 W	48	61
6 30	20 12.87	+ 3 7.8	1.483	2.385	14.3	19.8	145 W	48	61
7 5	20 9.16	+ 3 32.7	1.427	2.353	13.2	19.6	148 W	49	60

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
345853 2007 PU_{11} *(continuation)*									
7 10	20 4.83	+ 3 52.3	1.377	2.321	12.1	19.5	151 W	49	60
7 15	19 59.97	+ 4 5.6	1.332	2.288	11.3	19.3	154 W	49	60
7 25	19 49.13	+ 4 11.5	1.259	2.222	11.1	19.1	155 E	49	60
8 4	19 37.74	+ 3 47.7	1.210	2.156	13.0	19.0	151 E	49	60
8 14	19 27.23	+ 2 55.1	1.182	2.089	16.5	19.0	144 E	48	61
8 19	19 22.74	+ 2 19.5	1.176	2.056	18.5	19.1	140 E	47	62
8 24	19 18.96	+ 1 38.9	1.174	2.022	20.6	19.1	135 E	47	62
8 29	19 16.00	+ 0 54.3	1.176	1.988	22.6	19.1	131 E	46	63
9 3	19 13.96	+ 0 6.8	1.181	1.954	24.6	19.2	126 E	45	64
9 8	19 12.91	− 0 42.7	1.189	1.921	26.5	19.2	122 E	44	65
9 13	19 12.88	− 1 33.1	1.200	1.887	28.3	19.2	117 E	43	66
9 18	19 13.90	− 2 23.5	1.212	1.853	29.9	19.3	113 E	43	66
9 23	19 15.96	− 3 13.1	1.226	1.820	31.4	19.3	109 E	42	67
10 3	19 23.11	− 4 47.4	1.255	1.754	34.0	19.3	101 E	40	69
10 13	19 34.18	− 6 11.6	1.285	1.689	36.1	19.4	95 E	39	70*
10 23	19 48.88	− 7 22.0	1.314	1.625	37.7	19.4	88 E	38	68*
11 2	20 6.93	− 8 15.9	1.340	1.564	39.0	19.4	83 E	37	64*
11 12	20 28.07	− 8 51.0	1.363	1.506	40.0	19.3	78 E	36*	60*
11 22	20 52.00	− 9 5.3	1.383	1.453	40.7	19.3	73 E	36*	55*
12 2	21 18.44	− 8 57.6	1.400	1.404	41.2	19.3	70 E	36*	51*
12 12	21 47.13	− 8 26.8	1.415	1.361	41.5	19.2	66 E	36*	47*
12 22	22 17.75	− 7 33.1	1.429	1.326	41.6	19.2	64 E	37*	43*
1 1	22 50.00	− 6 17.5	1.444	1.298	41.6	19.2	61 E	37*	40*
1 11	23 23.58	− 4 42.0	1.461	1.280	41.4	19.2	59 E	38*	38*
1 21	23 58.17	− 2 50.1	1.483	1.271	41.0	19.2	58 E	39*	36*
395402 2011 SP_{121}									
4 26	20 9.61	−12 26.7	1.223	1.635	37.9	21.4	94 W	29*	76
5 6	20 30.90	−10 34.6	1.137	1.620	38.1	21.3	98 W	31*	75
5 16	20 50.64	− 8 38.0	1.055	1.609	37.9	21.1	102 W	33*	73
5 26	21 8.54	− 6 41.7	0.979	1.601	37.3	20.9	107 W	36*	71
6 5	21 24.30	− 4 50.8	0.908	1.596	36.1	20.7	112 W	39*	69
6 15	21 37.50	− 3 11.4	0.844	1.594	34.3	20.5	118 W	41*	67
6 20	21 43.01	− 2 28.2	0.814	1.595	33.2	20.4	121 W	42*	66
6 25	21 47.73	− 1 50.4	0.785	1.596	31.8	20.2	124 W	43	66
6 30	21 51.62	− 1 18.9	0.759	1.598	30.2	20.1	128 W	44	65
7 5	21 54.62	− 0 54.7	0.735	1.601	28.4	20.0	131 W	44	65
7 10	21 56.69	− 0 38.6	0.713	1.605	26.4	19.9	135 W	44	65
7 15	21 57.84	− 0 31.4	0.694	1.610	24.1	19.8	140 W	44	65
7 25	21 57.46	− 0 45.5	0.664	1.622	18.8	19.5	149 W	44	65
8 4	21 54.03	− 1 37.7	0.649	1.636	13.0	19.3	159 W	43	66
8 14	21 48.64	− 3 2.6	0.650	1.654	7.3	19.1	168 W	42	67
8 19	21 45.73	− 3 53.4	0.657	1.664	5.5	19.0	171 E	41	68
8 24	21 42.97	− 4 47.2	0.669	1.674	5.7	19.1	171 E	40	69
8 29	21 40.53	− 5 41.8	0.686	1.686	7.6	19.3	167 E	39	70
9 3	21 38.60	− 6 35.4	0.707	1.697	10.1	19.4	163 E	38	71
9 8	21 37.32	− 7 26.2	0.733	1.709	12.8	19.6	158 E	38	71
9 13	21 36.79	− 8 12.7	0.764	1.722	15.3	19.8	153 E	37	72
9 18	21 37.08	− 8 53.9	0.798	1.735	17.7	20.0	148 E	36	73
9 23	21 38.19	− 9 29.0	0.837	1.749	19.9	20.2	144 E	36	73
10 3	21 42.79	−10 20.0	0.926	1.778	23.6	20.6	135 E	35	74
10 13	21 50.32	−10 45.3	1.027	1.808	26.3	20.9	126 E	34	75
10 23	22 0.32	−10 46.4	1.140	1.840	28.3	21.3	119 E	34	75
11 2	22 12.27	−10 26.1	1.261	1.872	29.5	21.6	112 E	35	74
533495 2014 HU_{177}									
4 26	20 10.16	−13 24.8	1.387	1.768	34.6	21.4	94 W	28*	77
5 6	20 29.05	−12 23.2	1.281	1.748	34.8	21.2	99 W	30*	76
5 16	20 46.65	−11 23.2	1.180	1.730	34.5	21.0	104 W	31*	75
5 26	21 2.68	−10 29.3	1.084	1.713	33.9	20.8	110 W	33*	74
6 5	21 16.88	− 9 46.1	0.994	1.699	32.6	20.5	116 W	34*	74
6 15	21 28.81	− 9 19.5	0.911	1.687	30.7	20.3	122 W	35*	73
6 25	21 38.09	− 9 15.4	0.836	1.677	27.9	20.0	129 W	36	73
7 5	21 44.30	− 9 39.3	0.772	1.670	24.2	19.7	138 W	35	74
7 15	21 47.11	−10 35.1	0.719	1.666	19.4	19.4	147 W	34	75
7 25	21 46.52	−12 2.7	0.680	1.664	13.7	19.1	157 W	33	76
7 30	21 45.10	−12 56.5	0.667	1.664	10.5	18.9	163 W	32	77
8 4	21 43.05	−13 55.1	0.658	1.665	7.2	18.7	168 W	31	78
8 9	21 40.54	−14 56.8	0.654	1.666	3.8	18.5	174 W	30	79
8 14	21 37.78	−15 59.3	0.655	1.668	1.1	18.4	178 W	29	80
8 19	21 35.00	−17 0.1	0.661	1.671	3.6	18.6	174 E	28	81
8 24	21 32.42	−17 57.3	0.671	1.674	7.0	18.8	168 E	27	82
8 29	21 30.23	−18 49.1	0.686	1.678	10.2	19.0	163 E	26	83
9 3	21 28.61	−19 34.1	0.706	1.682	13.3	19.1	157 E	25	84
9 8	21 27.71	−20 11.4	0.730	1.688	16.2	19.3	152 E	25	84
9 13	21 27.64	−20 40.5	0.758	1.693	18.8	19.5	147 E	24	85

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
533495 2014 HU_{177} *(continuation)*									
9 23	21 30.16	−21 13.7	0.824	1.707	23.2	19.8	138 E	24	85
10 3	21 36.11	−21 15.6	0.904	1.722	26.7	20.2	129 E	24	85
10 13	21 45.15	−20 49.8	0.994	1.740	29.2	20.5	122 E	24	85
10 18	21 50.67	−20 27.8	1.043	1.749	30.2	20.6	118 E	25	84
10 23	21 56.76	−20 0.4	1.093	1.759	30.9	20.7	115 E	25	84
10 28	22 3.34	−19 28.0	1.146	1.770	31.5	20.9	111 E	26	83
11 2	22 10.35	−18 51.2	1.200	1.780	32.0	21.0	108 E	26	83
11 7	22 17.74	−18 10.2	1.256	1.792	32.3	21.1	105 E	27	82
11 12	22 25.46	−17 25.4	1.314	1.803	32.5	21.2	102 E	28	81
11 17	22 33.46	−16 37.3	1.372	1.815	32.5	21.4	99 E	28	81*
11 22	22 41.68	−15 46.2	1.432	1.827	32.5	21.5	96 E	29	79*
436030 2009 JO_2									
4 26	20 14.42	+ 4 45.3	0.851	1.303	50.5	21.4	89 W	45*	59*
5 6	20 26.98	+ 9 46.4	0.786	1.312	50.2	21.2	93 W	51*	54
5 16	20 37.33	+15 18.6	0.720	1.312	49.8	21.0	97 W	57*	49
5 26	20 45.05	+21 24.8	0.655	1.305	49.7	20.8	101 W	65*	43
6 5	20 49.52	+28 8.0	0.593	1.289	49.9	20.6	104 W	73*	36
6 15	20 49.60	+35 29.0	0.535	1.265	50.8	20.3	105 W	80	29
6 20	20 47.47	+39 22.7	0.508	1.250	51.7	20.2	105 W	84	25
6 25	20 43.47	+43 24.2	0.482	1.233	52.8	20.1	105 W	88	21
6 30	20 37.12	+47 32.7	0.458	1.213	54.4	20.0	104 W	87	16
7 5	20 27.69	+51 46.2	0.436	1.191	56.3	19.9	103 W	83	12
7 7	20 22.82	+53 28.3	0.427	1.182	57.3	19.9	102 W	82	11
7 9	20 17.21	+55 10.5	0.419	1.172	58.3	19.9	101 W	80	9
7 11	20 10.74	+56 52.6	0.410	1.162	59.4	19.8	100 W	78	7
7 13	20 3.29	+58 34.0	0.402	1.152	60.6	19.8	99 W	76	5
7 15	19 54.70	+60 14.5	0.395	1.141	61.9	19.8	98 W	75	4
7 17	19 44.81	+61 53.5	0.387	1.130	63.2	19.8	97 E	73	2
7 19	19 33.38	+63 30.3	0.380	1.119	64.7	19.7	96 E	71	—
7 21	19 20.15	+65 4.3	0.373	1.107	66.3	19.7	94 E	70	—
7 23	19 4.82	+66 34.3	0.366	1.095	68.0	19.7	92 E	68	—
7 25	18 47.04	+67 58.9	0.360	1.082	69.8	19.7	91 E	67	—
7 26	18 37.11	+68 38.7	0.356	1.076	70.8	19.7	90 E	66	—
7 27	18 26.44	+69 16.5	0.353	1.069	71.8	19.7	89 E	66	—
7 28	18 14.98	+69 51.8	0.350	1.062	72.8	19.7	88 E	65	—
7 29	18 2.71	+70 24.6	0.347	1.056	73.8	19.7	87 E	65	—
7 30	17 49.60	+70 54.2	0.344	1.049	74.9	19.7	86 E	64	—
7 31	17 35.66	+71 20.4	0.341	1.042	76.0	19.7	85 E	64	—
8 1	17 20.90	+71 42.8	0.338	1.035	77.2	19.7	84 E	63	—
8 2	17 5.37	+72 0.9	0.335	1.028	78.3	19.7	83 E	63	—
8 3	16 49.14	+72 14.4	0.333	1.021	79.6	19.7	82 E	63	—
8 4	16 32.33	+72 22.8	0.330	1.014	80.8	19.7	80 E	63*	—
8 5	16 15.07	+72 25.8	0.327	1.006	82.1	19.8	79 E	62*	—
8 6	15 57.53	+72 23.0	0.325	0.999	83.4	19.8	78 E	62*	—
8 7	15 39.87	+72 14.4	0.323	0.991	84.8	19.8	77 E	61*	—
8 8	15 22.28	+71 59.7	0.320	0.984	86.2	19.8	75 E	61*	—
8 9	15 4.94	+71 38.9	0.318	0.976	87.7	19.8	74 E	60*	—
8 10	14 48.00	+71 12.0	0.316	0.968	89.1	19.9	73 E	59*	—
8 11	14 31.60	+70 39.2	0.314	0.960	90.7	19.9	71 E	58*	—
8 12	14 15.85	+70 0.6	0.312	0.952	92.2	19.9	70 E	57*	—
8 13	14 0.82	+69 16.4	0.310	0.944	93.8	20.0	68 E	56*	—
8 14	13 46.55	+68 26.8	0.308	0.936	95.5	20.0	67 E	55*	—
8 16	13 20.37	+66 32.7	0.306	0.919	98.9	20.1	64 E	53*	—
8 18	12 57.25	+64 20.2	0.303	0.902	102.5	20.2	60 E	50*	—
8 20	12 36.96	+61 51.3	0.302	0.885	106.3	20.4	57 E	47*	—
8 22	12 19.18	+59 7.9	0.301	0.867	110.2	20.6	54 E	43*	—
8 24	12 3.58	+56 11.8	0.302	0.849	114.2	20.8	50 E	40*	—
8 25	11 56.52	+54 39.5	0.302	0.840	116.3	20.9	48 E	38*	—
8 26	11 49.90	+53 4.8	0.303	0.831	118.3	21.0	46 E	36*	—
8 27	11 43.68	+51 27.9	0.305	0.821	120.4	21.2	45 E	34*	—
8 28	11 37.86	+49 49.0	0.306	0.812	122.5	21.3	43 E	32*	—
8 29	11 32.39	+48 8.4	0.308	0.803	124.6	21.5	41 E	30*	—
200589 2001 RQ_{12}									
4 26	20 24.31	−13 13.0	1.403	1.734	35.5	21.4	90 W	27*	77*
5 6	20 44.00	−11 17.9	1.304	1.717	35.8	21.2	95 W	29*	75
5 16	21 2.28	− 9 17.3	1.209	1.702	35.8	21.0	100 W	32*	73
5 26	21 18.90	− 7 14.5	1.119	1.689	35.5	20.8	105 W	35*	71
6 5	21 33.60	− 5 13.5	1.034	1.679	34.6	20.6	110 W	38*	69
6 15	21 46.00	− 3 19.1	0.956	1.671	33.2	20.4	116 W	41*	67
6 20	21 51.22	− 2 26.1	0.919	1.668	32.2	20.3	119 W	42*	66
6 25	21 55.73	− 1 36.9	0.885	1.666	31.0	20.2	122 W	43*	66
6 30	21 59.48	− 0 52.1	0.852	1.665	29.7	20.0	126 W	44	65
7 5	22 2.41	− 0 12.8	0.821	1.664	28.2	19.9	129 W	45	64
7 10	22 4.48	+ 0 20.1	0.793	1.664	26.4	19.8	133 W	45	64
7 15	22 5.67	+ 0 45.9	0.767	1.664	24.4	19.7	137 W	46	63

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
200589 2001 RQ_{12} *(continuation)*									
7 20	22 5.99	+ 1 3.7	0.744	1.665	22.2	19.5	142 W	46	63
7 25	22 5.46	+ 1 12.9	0.725	1.667	19.8	19.4	146 W	46	63
8 4	22 2.12	+ 1 4.0	0.696	1.673	14.6	19.2	155 W	46	63
8 14	21 56.52	+ 0 19.1	0.684	1.681	9.4	18.9	164 W	45	64
8 24	21 50.19	− 0 54.7	0.690	1.692	6.9	18.8	168 E	44	65
8 29	21 47.27	− 1 38.6	0.699	1.699	7.7	18.9	167 E	43	66
9 3	21 44.77	− 2 24.8	0.714	1.706	9.7	19.1	163 E	43	66
9 8	21 42.87	− 3 11.3	0.733	1.713	12.1	19.2	159 E	42	67
9 13	21 41.70	− 3 56.6	0.757	1.721	14.5	19.4	155 E	41	68
9 18	21 41.35	− 4 38.9	0.786	1.730	17.0	19.6	150 E	40	69
9 23	21 41.85	− 5 17.2	0.818	1.739	19.2	19.7	145 E	40	69
9 28	21 43.21	− 5 50.6	0.854	1.748	21.3	19.9	141 E	39	70
10 3	21 45.42	− 6 18.6	0.893	1.759	23.1	20.1	136 E	39	70
10 13	21 52.22	− 6 57.2	0.982	1.780	26.2	20.4	128 E	38	71
10 23	22 1.81	− 7 12.2	1.083	1.803	28.4	20.7	120 E	38	71
11 2	22 13.65	− 7 5.1	1.192	1.828	29.9	21.0	113 E	38	71
11 12	22 27.28	− 6 37.9	1.310	1.853	30.8	21.2	107 E	38	71
11 22	22 42.28	− 5 53.1	1.434	1.880	31.1	21.5	100 E	39	69*
524635 2003 SS_{130}									
4 26	20 24.94	−29 33.7	1.613	1.962	30.8	21.3	94 W	12*	86*
5 6	20 43.75	−29 8.0	1.482	1.927	31.1	21.1	100 W	13*	87
5 16	21 1.33	−28 41.9	1.356	1.892	31.0	20.9	105 W	13*	87
5 26	21 17.40	−28 17.5	1.236	1.859	30.5	20.6	111 W	15*	88
6 5	21 31.62	−27 56.7	1.123	1.827	29.6	20.3	117 W	16*	88
6 15	21 43.50	−27 41.6	1.019	1.796	28.0	20.1	124 W	17*	88
6 25	21 52.53	−27 33.2	0.925	1.767	25.7	19.7	131 W	17*	88
6 30	21 55.82	−27 31.5	0.881	1.753	24.3	19.6	135 W	17	88
7 5	21 58.17	−27 31.2	0.841	1.740	22.7	19.4	139 W	17	88
7 10	21 59.54	−27 31.9	0.804	1.727	20.8	19.2	143 W	17	88
7 15	21 59.87	−27 33.0	0.770	1.715	18.8	19.1	147 W	17	88
7 20	21 59.15	−27 33.5	0.740	1.704	16.6	18.9	151 W	17	88
7 25	21 57.43	−27 32.3	0.714	1.693	14.3	18.7	156 W	17	88
7 30	21 54.76	−27 28.3	0.692	1.682	11.9	18.6	160 W	18	89
8 4	21 51.24	−27 20.1	0.674	1.673	9.7	18.4	164 W	18	89
8 9	21 47.06	−27 6.5	0.661	1.664	8.1	18.3	167 W	18	89
8 14	21 42.47	−26 46.3	0.652	1.656	7.6	18.2	168 W	18	89
8 19	21 37.75	−26 18.8	0.648	1.648	8.5	18.2	166 E	19	90
8 24	21 33.20	−25 43.8	0.648	1.642	10.4	18.3	163 E	19	90
8 29	21 29.08	−25 1.4	0.653	1.636	12.9	18.4	159 E	20	89
9 3	21 25.62	−24 12.4	0.662	1.631	15.5	18.5	154 E	21	88
9 8	21 23.03	−23 17.4	0.676	1.627	18.2	18.6	150 E	22	87
9 13	21 21.46	−22 17.5	0.693	1.624	20.7	18.8	145 E	23	86
9 18	21 20.97	−21 13.7	0.714	1.622	23.1	18.9	141 E	24	85
9 23	21 21.59	−20 7.0	0.738	1.620	25.3	19.0	136 E	25	84
9 28	21 23.27	−18 58.0	0.765	1.620	27.2	19.2	132 E	26	83
10 3	21 25.97	−17 47.5	0.795	1.620	28.9	19.3	128 E	27	82
10 13	21 34.19	−15 23.2	0.863	1.623	31.7	19.6	121 E	30	79
10 23	21 45.59	−12 56.0	0.940	1.630	33.7	19.8	115 E	32	77
11 2	21 59.49	−10 27.0	1.024	1.640	34.9	20.1	109 E	35	74
11 12	22 15.35	− 7 56.3	1.116	1.654	35.6	20.3	103 E	37	72
11 22	22 32.67	− 5 24.0	1.213	1.670	35.8	20.5	98 E	40	68*
12 2	22 51.09	− 2 50.8	1.316	1.690	35.6	20.7	93 E	42	63*
12 12	23 10.34	− 0 17.0	1.424	1.712	35.1	20.9	89 E	45	57*
12 22	23 30.22	+ 2 16.5	1.536	1.736	34.3	21.1	84 E	47	51*
1 1	23 50.57	+ 4 48.6	1.652	1.763	33.3	21.2	80 E	50	46*
1 11	0 11.32	+ 7 18.5	1.771	1.792	32.0	21.4	75 E	52*	40*
368812 2006 AA_{11}									
4 26	20 27.26	−26 38.0	2.456	2.702	21.8	21.4	93 W	14*	87*
5 6	20 36.76	−26 35.7	2.288	2.664	21.9	21.2	101 W	15*	89
5 16	20 44.58	−26 41.0	2.123	2.624	21.4	21.0	108 W	16*	89
5 26	20 50.40	−26 55.6	1.966	2.584	20.5	20.7	117 W	17*	89
6 5	20 53.90	−27 20.8	1.817	2.544	19.0	20.5	125 W	17*	89
6 15	20 54.67	−27 57.4	1.682	2.502	16.8	20.2	135 W	17	88
6 25	20 52.42	−28 44.2	1.562	2.461	13.9	19.9	144 W	16	87
7 5	20 47.02	−29 38.0	1.462	2.419	10.5	19.6	154 W	15	86
7 10	20 43.15	−30 5.8	1.420	2.397	8.7	19.5	159 W	15	86
7 15	20 38.60	−30 33.0	1.384	2.376	7.0	19.3	164 W	14	85
7 20	20 33.46	−30 58.4	1.354	2.355	5.6	19.2	167 W	14	85
7 25	20 27.88	−31 21.1	1.330	2.333	5.1	19.1	168 W	14	85
7 30	20 22.02	−31 40.1	1.312	2.312	5.9	19.1	167 E	13	84
8 4	20 16.07	−31 54.6	1.301	2.290	7.5	19.1	163 E	13	84
8 9	20 10.24	−32 4.0	1.296	2.269	9.6	19.2	158 E	13	84
8 14	20 4.75	−32 8.0	1.297	2.247	11.8	19.2	153 E	13	84
8 19	19 59.79	−32 6.6	1.303	2.225	14.0	19.3	148 E	13	84
8 24	19 55.53	−32 0.0	1.314	2.204	16.2	19.4	142 E	13	84
8 29	19 52.09	−31 48.6	1.330	2.182	18.3	19.5	137 E	13	84
9 3	19 49.56	−31 32.9	1.350	2.161	20.2	19.5	132 E	13	84
368812 2006 AA_{11} *(continuation)*									
9 13	19 47.48	−30 50.5	1.399	2.118	23.6	19.7	123 E	14	85
9 23	19 49.42	−29 56.3	1.459	2.075	26.3	19.8	114 E	15	86
10 3	19 55.10	−28 52.7	1.525	2.033	28.3	19.9	105 E	16	87
10 13	20 4.15	−27 40.4	1.594	1.992	29.8	20.0	98 E	17	88
10 23	20 16.10	−26 19.5	1.665	1.951	30.7	20.1	91 E	19	85*
11 2	20 30.48	−24 49.1	1.734	1.912	31.1	20.1	84 E	20	77*
11 12	20 46.89	−23 8.4	1.802	1.874	31.2	20.2	78 E	22	70*
11 22	21 4.95	−21 16.4	1.867	1.837	30.9	20.2	73 E	24	63*
12 2	21 24.35	−19 12.8	1.928	1.803	30.4	20.2	68 E	26*	56*
12 12	21 44.84	−16 57.1	1.986	1.771	29.7	20.2	63 E	28*	50*
12 22	22 6.21	−14 29.6	2.041	1.741	28.8	20.2	58 E	29*	44*
1 1	22 28.29	−11 51.0	2.092	1.714	27.7	20.2	54 E	31*	38*
1 11	22 51.00	− 9 2.2	2.140	1.690	26.6	20.2	50 E	31*	33*
1 21	23 14.23	− 6 4.9	2.186	1.669	25.3	20.2	47 E	31*	28*
394837 2008 SF_{180}									
4 26	20 31.44	−20 46.7	1.579	1.882	32.3	21.3	91 W	20*	83*
5 6	20 50.79	−20 12.4	1.455	1.853	32.8	21.1	96 W	20*	84
5 16	21 9.25	−19 40.0	1.335	1.824	32.9	20.9	101 W	22*	84
5 26	21 26.62	−19 12.9	1.221	1.796	32.7	20.7	107 W	23*	83
6 5	21 42.67	−18 54.4	1.113	1.770	32.0	20.4	113 W	24*	83
6 15	21 57.03	−18 48.6	1.012	1.746	30.7	20.2	119 W	25*	83
6 25	22 9.33	−18 59.4	0.920	1.723	28.7	19.9	126 W	26*	83
7 5	22 19.09	−19 30.0	0.838	1.701	26.0	19.6	133 W	26	83
7 15	22 25.76	−20 22.4	0.768	1.683	22.5	19.2	141 W	25	84
7 25	22 28.92	−21 34.7	0.710	1.666	18.2	18.9	149 W	23	86
7 30	22 29.13	−22 16.5	0.687	1.659	15.9	18.7	153 W	23	86
8 4	22 28.42	−23 0.4	0.668	1.652	13.5	18.6	158 W	22	87
8 9	22 26.86	−23 44.6	0.653	1.646	11.3	18.5	161 W	21	88
8 14	22 24.57	−24 27.0	0.642	1.640	9.5	18.3	164 W	21	88
8 19	22 21.75	−25 5.5	0.635	1.636	8.6	18.3	166 W	20	89
8 24	22 18.60	−25 38.0	0.633	1.632	8.9	18.3	165 W	19	90
8 29	22 15.35	−26 2.8	0.635	1.628	10.4	18.3	163 E	19	90
9 3	22 12.25	−26 18.7	0.642	1.626	12.5	18.4	160 E	19	90
9 8	22 9.55	−26 24.9	0.653	1.624	15.0	18.6	155 E	19	90
9 13	22 7.47	−26 20.9	0.667	1.623	17.5	18.7	151 E	19	90
9 18	22 6.18	−26 7.0	0.686	1.623	19.9	18.8	147 E	19	90
9 23	22 5.79	−25 43.8	0.708	1.623	22.2	19.0	142 E	19	90
9 28	22 6.34	−25 12.2	0.733	1.624	24.3	19.1	138 E	20	89
10 3	22 7.85	−24 32.9	0.762	1.626	26.2	19.3	134 E	20	89
10 8	22 10.29	−23 46.8	0.793	1.629	27.9	19.4	130 E	21	88
10 13	22 13.65	−22 54.7	0.826	1.632	29.4	19.5	127 E	22	87
10 18	22 17.85	−21 57.4	0.863	1.636	30.6	19.7	123 E	23	86
10 23	22 22.79	−20 55.7	0.901	1.641	31.7	19.8	120 E	24	85
10 28	22 28.41	−19 50.1	0.941	1.647	32.7	19.9	117 E	25	84
11 2	22 34.62	−18 41.2	0.984	1.653	33.4	20.1	114 E	26	83
11 7	22 41.37	−17 29.3	1.028	1.660	34.0	20.2	111 E	28	81
11 12	22 48.59	−16 15.0	1.074	1.667	34.5	20.3	108 E	29	80
11 17	22 56.21	−14 58.5	1.122	1.675	34.8	20.4	105 E	30	79
11 22	23 4.18	−13 40.4	1.171	1.684	35.0	20.5	102 E	31	78
11 27	23 12.44	−12 20.8	1.222	1.693	35.1	20.6	100 E	33	76*
12 2	23 20.95	−11 0.1	1.274	1.703	35.1	20.7	97 E	34	74*
12 7	23 29.70	− 9 38.5	1.328	1.713	35.0	20.8	94 E	35	71*
12 12	23 38.65	− 8 16.3	1.383	1.724	34.8	20.9	92 E	37	68*
12 17	23 47.76	− 6 53.7	1.438	1.736	34.5	21.0	89 E	38	65*
12 22	23 57.02	− 5 31.0	1.495	1.747	34.2	21.1	87 E	39	62*
12 27	0 6.40	− 4 8.5	1.553	1.760	33.8	21.2	85 E	41	58*
1 1	0 15.90	− 2 46.2	1.611	1.772	33.4	21.3	82 E	42	55*
1 6	0 25.51	− 1 24.4	1.670	1.785	32.9	21.4	80 E	44	52*
1 11	0 35.22	− 0 3.2	1.730	1.798	32.3	21.4	78 E	45	50*
401009 2011 RM_3									
4 26	20 34.02	−28 58.1	1.418	1.768	34.7	21.3	92 W	12*	84*
5 6	20 56.79	−28 20.2	1.310	1.744	35.1	21.1	97 W	12*	88
5 16	21 18.36	−27 38.4	1.208	1.722	35.2	20.9	101 W	13*	88
5 26	21 38.40	−26 55.2	1.112	1.701	34.9	20.7	106 W	15*	89
6 5	21 56.58	−26 13.3	1.022	1.683	34.1	20.5	112 W	16*	90
6 15	22 12.42	−25 35.7	0.938	1.668	32.8	20.3	117 W	18*	90
6 25	22 25.40	−25 4.5	0.861	1.655	30.9	20.0	123 W	19*	89
7 5	22 34.97	−24 41.1	0.793	1.645	28.2	19.7	130 W	20*	89
7 15	22 40.48	−24 25.4	0.735	1.637	24.6	19.4	138 W	21	88
7 20	22 41.56	−24 19.5	0.710	1.635	22.5	19.3	142 W	21	88
7 25	22 41.51	−24 14.0	0.688	1.633	20.2	19.2	146 W	21	88
7 30	22 40.33	−24 8.0	0.669	1.632	17.7	19.0	151 W	21	88
8 4	22 38.07	−24 0.5	0.654	1.632	15.1	18.9	155 W	21	88
8 9	22 34.83	−23 50.3	0.643	1.632	12.4	18.7	160 W	21	88
8 14	22 30.80	−23 36.0	0.636	1.633	10.0	18.6	164 W	21	88
8 19	22 26.23	−23 16.6	0.633	1.635	8.1	18.5	167 W	22	87
8 24	22 21.39	−22 51.4	0.635	1.638	7.3	18.5	168 W	22	87
8 29	22 16.56	−22 20.0	0.642	1.642	8.1	18.6	167 E	23	86
9 3	22 11.99	−21 42.6	0.653	1.646	10.0	18.7	164 E	23	86

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
401009 2011 RM_3 *(continuation)*									
9 8	22 7.97	−20 59.5	0.669	1.651	12.4	18.9	159 E	24	85
9 13	22 4.69	−20 11.2	0.690	1.656	15.0	19.0	155 E	25	84
9 18	22 2.32	−19 18.7	0.714	1.663	17.5	19.2	150 E	26	83
9 23	22 0.92	−18 22.8	0.743	1.670	19.9	19.4	146 E	27	82
9 28	22 0.51	−17 24.3	0.775	1.677	22.0	19.5	141 E	28	81
10 3	22 1.10	−16 24.0	0.811	1.686	24.0	19.7	137 E	29	80
10 13	22 5.11	−14 19.4	0.892	1.704	27.2	20.0	129 E	31	78
10 23	22 12.43	−12 11.6	0.985	1.725	29.6	20.3	121 E	33	76
11 2	22 22.44	−10 2.1	1.087	1.747	31.2	20.6	114 E	35	74
11 12	22 34.60	− 7 51.1	1.197	1.772	32.1	20.9	108 E	37	72
11 22	22 48.41	− 5 38.6	1.315	1.798	32.5	21.1	102 E	39	69*
12 2	23 3.49	− 3 25.2	1.437	1.825	32.5	21.4	96 E	42	65*
297612 2001 SQ_{328}									
4 26	20 44.50	−25 31.8	1.439	1.741	35.3	21.4	89 W	14*	83*
5 6	21 7.13	−24 25.9	1.337	1.721	35.8	21.3	93 W	15*	87*
5 16	21 28.45	−23 14.7	1.239	1.704	36.0	21.1	98 W	17*	87
5 26	21 48.20	−22 1.1	1.146	1.689	35.8	20.9	103 W	19*	86
6 5	22 6.09	−20 47.8	1.058	1.676	35.2	20.7	108 W	21*	85
6 15	22 21.71	−19 38.2	0.976	1.666	34.0	20.5	113 W	23*	84
6 25	22 34.60	−18 35.2	0.900	1.658	32.2	20.2	120 W	26*	83
7 5	22 44.30	−17 41.3	0.832	1.653	29.6	20.0	127 W	27*	82
7 15	22 50.21	−16 58.3	0.772	1.651	26.1	19.7	134 W	28	81
7 25	22 51.95	−16 26.3	0.723	1.652	21.7	19.4	143 W	29	80
8 4	22 49.42	−16 2.8	0.687	1.656	16.2	19.2	153 W	29	80
8 9	22 46.66	−15 52.9	0.674	1.659	13.2	19.0	158 W	29	80
8 14	22 43.07	−15 43.2	0.666	1.662	10.1	18.9	163 W	29	80
8 19	22 38.87	−15 32.6	0.662	1.666	6.9	18.7	169 W	29	80
8 24	22 34.27	−15 20.4	0.663	1.671	4.2	18.6	173 W	30	79
8 29	22 29.52	−15 6.0	0.669	1.677	3.4	18.6	174 E	30	79
9 3	22 24.89	−14 48.7	0.679	1.683	5.4	18.7	171 E	30	79
9 8	22 20.63	−14 28.4	0.695	1.690	8.3	18.9	166 E	31	78
9 13	22 16.97	−14 4.8	0.715	1.697	11.3	19.1	161 E	31	78
9 23	22 12.08	−13 8.0	0.768	1.714	16.9	19.5	150 E	32	77
10 3	22 10.89	−12 0.0	0.838	1.732	21.5	19.9	141 E	33	76
10 13	22 13.45	−10 42.7	0.922	1.753	25.1	20.2	132 E	34	75
10 23	22 19.40	− 9 17.3	1.018	1.776	27.7	20.5	124 E	36	73
11 2	22 28.17	− 7 45.0	1.124	1.800	29.6	20.8	116 E	37	72
11 12	22 39.22	− 6 6.5	1.238	1.825	30.7	21.1	110 E	39	70
11 22	22 52.07	− 4 22.2	1.360	1.852	31.3	21.3	103 E	41	68*
228404 2001 EQ_{17}									
4 26	21 2.97	−39 12.1	2.189	2.396	24.8	21.4	89 W	—	73*
5 6	21 16.40	−40 26.2	2.096	2.420	24.5	21.4	96 W	—	75*
5 16	21 27.71	−41 55.0	2.005	2.443	23.8	21.3	103 W	—	74
5 26	21 36.51	−43 39.5	1.921	2.465	22.7	21.2	110 W	—	72
6 5	21 42.31	−45 39.2	1.845	2.486	21.2	21.0	118 W	—	70
6 15	21 44.52	−47 51.5	1.781	2.506	19.4	20.9	125 W	—	68
6 25	21 42.58	−50 9.7	1.731	2.526	17.4	20.8	132 W	—	66
7 5	21 36.10	−52 24.1	1.700	2.544	15.6	20.7	138 W	—	64
7 15	21 25.07	−54 21.9	1.688	2.562	14.3	20.7	141 W	—	62
7 25	21 10.37	−55 49.5	1.698	2.579	13.9	20.7	143 W	—	60
8 4	20 53.76	−56 37.4	1.729	2.595	14.3	20.8	141 E	—	59
8 14	20 37.60	−56 42.1	1.781	2.610	15.5	20.9	136 E	—	59
8 24	20 24.17	−56 7.5	1.852	2.624	17.0	21.0	130 E	—	60
9 3	20 14.83	−55 2.0	1.940	2.637	18.5	21.2	124 E	—	61
9 13	20 10.04	−53 35.2	2.041	2.650	19.9	21.4	117 E	—	62
461367 2000 QX_{160}									
4 26	21 15.50	−13 55.8	1.670	1.772	33.8	21.5	79 W	22*	71*
5 6	21 37.43	−11 42.6	1.559	1.745	35.0	21.3	83 W	24*	73*
5 16	21 58.71	− 9 20.5	1.452	1.719	36.0	21.2	87 W	26*	73*
5 26	22 19.23	− 6 51.5	1.350	1.695	36.7	21.0	91 W	29*	71
6 5	22 38.91	− 4 17.7	1.253	1.674	37.2	20.8	95 W	33*	68
6 15	22 57.57	− 1 41.8	1.161	1.656	37.3	20.6	99 W	37*	66
6 25	23 14.99	+ 0 53.1	1.074	1.640	37.1	20.4	103 W	42*	63
7 5	23 30.94	+ 3 23.7	0.993	1.627	36.4	20.2	108 W	47*	61
7 15	23 45.00	+ 5 45.9	0.918	1.618	35.2	20.0	113 W	50*	58
7 20	23 51.20	+ 6 52.4	0.883	1.615	34.4	19.9	116 W	52*	57
7 25	23 56.76	+ 7 55.2	0.850	1.612	33.3	19.8	119 W	53	56
7 30	0 1.63	+ 8 53.5	0.818	1.610	32.1	19.7	122 W	54	55
8 4	0 5.72	+ 9 46.6	0.789	1.609	30.7	19.5	126 W	55	54
8 9	0 8.98	+10 33.7	0.761	1.609	29.1	19.4	129 W	56	53
8 14	0 11.34	+11 13.9	0.736	1.610	27.2	19.3	133 W	56	53
8 19	0 12.79	+11 46.6	0.714	1.612	25.1	19.2	137 W	57	52
8 24	0 13.33	+12 11.1	0.694	1.614	22.8	19.0	142 W	57	52
9 3	0 11.71	+12 33.2	0.664	1.622	17.6	18.8	151 W	58	51
9 13	0 7.13	+12 17.7	0.649	1.633	11.9	18.5	161 W	57	52
9 23	0 1.00	+11 29.2	0.651	1.646	7.0	18.4	168 W	56	53

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
461367 2000 QX_{160} *(continuation)*									
9 28	23 57.90	+10 55.9	0.659	1.655	6.2	18.4	170 E	56	53
10 3	23 55.06	+10 18.8	0.671	1.663	7.2	18.5	168 E	55	54
10 8	23 52.70	+ 9 40.0	0.689	1.673	9.3	18.6	164 E	55	54
10 13	23 50.98	+ 9 1.6	0.711	1.683	11.8	18.8	160 E	54	55
10 18	23 50.03	+ 8 25.4	0.737	1.694	14.4	19.0	155 E	53	56
10 23	23 49.90	+ 7 52.8	0.768	1.705	16.8	19.2	150 E	53	56
10 28	23 50.62	+ 7 24.8	0.803	1.717	19.1	19.4	146 E	52	57
11 2	23 52.18	+ 7 2.2	0.842	1.730	21.2	19.6	141 E	52	57
11 12	23 57.74	+ 6 34.5	0.930	1.756	24.6	19.9	132 E	52	57
11 22	0 6.18	+ 6 30.3	1.031	1.785	27.2	20.2	124 E	52	57
12 2	0 16.98	+ 6 47.5	1.143	1.815	29.0	20.6	117 E	52	57
12 12	0 29.72	+ 7 22.8	1.263	1.846	30.1	20.8	110 E	52	57*
12 22	0 43.97	+ 8 12.9	1.391	1.879	30.6	21.1	103 E	53	55*
1 1	0 59.41	+ 9 14.1	1.525	1.912	30.7	21.3	97 E	54	52*
380187 2000 WH_2									
4 26	21 17.00	−34 21.9	2.330	2.455	24.1	21.4	85 W	3*	74*
5 6	21 29.46	−33 23.4	2.167	2.413	24.7	21.2	91 W	5*	80*
5 16	21 40.17	−32 25.8	2.004	2.370	25.0	21.0	98 W	7*	84
5 26	21 48.82	−31 29.7	1.844	2.327	24.8	20.8	105 W	10*	85
6 5	21 55.04	−30 35.2	1.689	2.284	24.1	20.6	113 W	12*	85
6 15	21 58.32	−29 41.8	1.540	2.241	22.8	20.3	121 W	14*	86
6 20	21 58.68	−29 14.9	1.470	2.219	21.9	20.1	125 W	15*	87
6 25	21 58.12	−28 47.4	1.402	2.198	20.7	20.0	130 W	16*	87
6 30	21 56.56	−28 18.8	1.337	2.176	19.4	19.8	135 W	17	88
7 5	21 53.94	−27 48.5	1.276	2.155	17.8	19.6	140 W	17	88
7 10	21 50.21	−27 15.6	1.220	2.133	15.9	19.4	145 W	18	89
7 15	21 45.37	−26 39.2	1.168	2.112	13.8	19.3	150 W	18	89
7 20	21 39.45	−25 58.4	1.122	2.091	11.4	19.1	156 W	19	90
7 25	21 32.54	−25 12.0	1.081	2.070	8.9	18.8	162 W	20	89
7 30	21 24.78	−24 19.4	1.046	2.049	6.2	18.6	167 W	21	88
8 4	21 16.34	−23 20.0	1.018	2.028	3.8	18.4	172 W	22	87
8 9	21 7.49	−22 13.7	0.997	2.008	3.3	18.3	173 E	23	86
8 14	20 58.53	−21 0.7	0.983	1.988	5.4	18.4	169 E	24	85
8 19	20 49.77	−19 41.9	0.976	1.968	8.4	18.5	163 E	25	84
8 24	20 41.50	−18 18.7	0.976	1.948	11.6	18.6	157 E	27	82
8 29	20 33.98	−16 52.7	0.982	1.928	14.7	18.7	151 E	28	81
9 3	20 27.41	−15 25.3	0.994	1.909	17.7	18.8	145 E	30	79
9 8	20 21.94	−13 58.0	1.012	1.891	20.5	18.9	139 E	31	78
9 13	20 17.67	−12 32.0	1.034	1.872	23.1	19.0	133 E	32	77
9 23	20 12.80	− 9 46.5	1.089	1.837	27.3	19.2	123 E	35	74
10 3	20 12.59	− 7 11.5	1.154	1.804	30.6	19.4	113 E	38	71
10 13	20 16.58	− 4 45.9	1.227	1.773	32.9	19.6	105 E	40	69
10 23	20 24.19	− 2 26.4	1.301	1.744	34.4	19.7	98 E	43	66*
11 2	20 34.85	− 0 9.7	1.377	1.719	35.3	19.8	92 E	45	61*
11 12	20 48.13	+ 2 7.4	1.451	1.696	35.6	19.9	86 E	47	55*
11 22	21 3.64	+ 4 27.6	1.522	1.677	35.6	20.0	81 E	49	49*
12 2	21 21.08	+ 6 52.6	1.591	1.661	35.2	20.1	76 E	52*	42*
12 12	21 40.27	+ 9 23.5	1.657	1.650	34.6	20.1	72 E	54*	35*
12 22	22 1.03	+12 0.6	1.720	1.642	33.9	20.2	69 E	55*	29*
1 1	22 23.28	+14 42.9	1.781	1.639	33.1	20.2	65 E	55*	23*
1 11	22 46.95	+17 29.5	1.841	1.639	32.2	20.3	63 E	55*	18*
1 21	23 11.99	+20 17.9	1.901	1.644	31.2	20.3	60 E	53*	14*
334028 2000 XT_{37}									
4 26	21 17.21	−24 35.3	1.719	1.861	32.3	21.5	82 W	12*	75*
5 6	21 33.82	−22 34.0	1.602	1.848	33.0	21.3	87 W	14*	81*
5 16	21 48.69	−20 25.8	1.485	1.834	33.4	21.2	93 W	17*	84*
5 26	22 1.61	−18 11.2	1.369	1.820	33.4	21.0	99 W	21*	82
6 5	22 12.29	−15 50.4	1.255	1.805	32.9	20.8	105 W	25*	80
6 15	22 20.34	−13 23.4	1.146	1.791	31.8	20.5	112 W	29*	77
6 25	22 25.26	−10 50.2	1.042	1.776	29.9	20.2	119 W	34*	75
7 5	22 26.50	− 8 10.5	0.946	1.761	27.2	19.9	128 W	37	72
7 15	22 23.45	− 5 25.5	0.862	1.746	23.6	19.6	137 W	40	69
7 25	22 15.74	− 2 38.1	0.791	1.731	19.0	19.3	146 W	42	67
7 30	22 10.15	− 1 15.1	0.763	1.724	16.5	19.1	151 W	44	65
8 4	22 3.50	+ 0 5.8	0.739	1.716	13.9	18.9	156 W	45	64
8 9	21 55.96	+ 1 23.3	0.721	1.709	11.7	18.8	160 W	46	63
8 14	21 47.75	+ 2 35.8	0.708	1.702	10.2	18.7	163 W	48	61
8 19	21 39.19	+ 3 42.0	0.701	1.695	10.0	18.6	163 E	49	60
8 24	21 30.62	+ 4 40.9	0.699	1.688	11.1	18.7	161 E	50	59
9 3	21 14.76	+ 6 14.2	0.711	1.674	15.9	18.8	153 E	51	58
9 13	21 2.50	+ 7 16.2	0.742	1.661	21.4	19.1	143 E	52	57
9 23	20 55.27	+ 7 54.7	0.789	1.648	26.3	19.4	133 E	53	56
9 28	20 53.66	+ 8 8.2	0.816	1.642	28.4	19.5	129 E	53	56
10 3	20 53.36	+ 8 19.4	0.845	1.636	30.2	19.6	125 E	53	56
10 8	20 54.33	+ 8 29.4	0.877	1.630	31.9	19.7	121 E	53	56

334028 2000 XT_{37} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
10 13	20 56.48	+ 8 39.2	0.910	1.625	33.2	19.8	117 E	54	55
10 18	20 59.74	+ 8 49.8	0.944	1.620	34.4	19.9	113 E	54	55
10 23	21 4.00	+ 9 1.6	0.978	1.615	35.4	20.0	110 E	54	55
11 2	21 15.21	+ 9 30.8	1.050	1.606	36.9	20.2	104 E	55	54*
11 12	21 29.53	+10 9.7	1.123	1.597	37.8	20.4	98 E	55	52*
11 22	21 46.42	+11 0.0	1.196	1.590	38.3	20.5	93 E	56	49*
12 2	22 5.44	+12 1.7	1.269	1.585	38.5	20.7	88 E	57	45*
12 12	22 26.29	+13 14.6	1.341	1.580	38.3	20.8	84 E	58	40*
12 22	22 48.69	+14 37.6	1.414	1.577	37.9	20.9	80 E	60*	35*
1 1	23 12.41	+16 8.6	1.486	1.575	37.3	21.0	76 E	60*	31*
1 11	23 37.34	+17 45.7	1.557	1.575	36.6	21.0	73 E	60*	27*
1 21	0 3.32	+19 26.1	1.629	1.576	35.7	21.1	69 E	60*	24*

280017 2001 WC_2

4 26	21 20.92	+ 4 27.9	3.744	3.575	15.6	21.5	73 W	37*	55*
5 6	21 25.84	+ 6 4.6	3.624	3.591	16.1	21.4	80 W	40*	57*
5 16	21 29.36	+ 7 40.5	3.500	3.606	16.3	21.4	88 W	45*	56
5 26	21 31.33	+ 9 14.0	3.376	3.621	16.2	21.3	96 W	49*	55
6 5	21 31.61	+10 43.2	3.255	3.635	15.7	21.2	104 W	53*	53
6 15	21 30.10	+12 5.7	3.141	3.647	15.0	21.1	112 W	57*	52
6 25	21 26.75	+13 18.5	3.038	3.659	13.9	21.0	120 W	58	51
7 5	21 21.63	+14 18.7	2.949	3.670	12.5	20.9	129 W	59	50
7 15	21 14.91	+15 3.0	2.879	3.680	11.0	20.8	136 W	60	49
7 25	21 6.97	+15 28.6	2.830	3.690	9.6	20.7	143 W	60	49
8 4	20 58.32	+15 34.3	2.805	3.698	8.6	20.7	147 W	61	48
8 14	20 49.58	+15 19.9	2.806	3.706	8.3	20.7	148 E	60	49
8 24	20 41.40	+14 47.7	2.833	3.713	8.8	20.7	146 E	60	49
9 3	20 34.36	+14 1.3	2.885	3.719	9.9	20.8	140 E	59	50
9 13	20 28.90	+13 5.4	2.960	3.724	11.3	20.9	133 E	58	51
9 23	20 25.30	+12 5.0	3.055	3.729	12.7	21.0	125 E	57	52
10 3	20 23.67	+11 4.5	3.167	3.732	13.8	21.2	117 E	56	53
10 13	20 23.98	+10 7.6	3.290	3.735	14.6	21.3	109 E	55	54
10 23	20 26.13	+ 9 17.3	3.423	3.737	15.2	21.4	101 E	54	55*
11 2	20 29.95	+ 8 35.4	3.560	3.738	15.4	21.5	93 E	54	53*

122180 2000 KV_{43}

4 26	21 23.40	− 7 59.1	1.884	1.894	30.9	21.5	75 W	26*	65*
5 6	21 37.72	− 5 51.5	1.786	1.905	31.5	21.4	81 W	29*	68*
5 16	21 50.44	− 3 42.7	1.686	1.914	31.8	21.3	87 W	32*	68*
5 26	22 1.34	− 1 34.5	1.584	1.921	31.8	21.2	93 W	36*	66
6 5	22 10.20	+ 0 31.1	1.481	1.927	31.3	21.0	99 W	40*	63
6 15	22 16.65	+ 2 31.8	1.380	1.932	30.3	20.8	106 W	45*	61
6 25	22 20.32	+ 4 24.2	1.283	1.935	28.7	20.6	114 W	49*	60
7 5	22 20.80	+ 6 4.2	1.192	1.936	26.4	20.4	122 W	51	58
7 10	22 19.71	+ 6 47.8	1.149	1.936	24.9	20.3	127 W	52	57
7 15	22 17.68	+ 7 25.9	1.110	1.936	23.3	20.2	131 W	52	57
7 20	22 14.72	+ 7 57.7	1.073	1.935	21.5	20.0	136 W	53	56
7 25	22 10.84	+ 8 22.4	1.040	1.934	19.6	19.9	140 W	53	56
7 30	22 6.09	+ 8 38.9	1.012	1.933	17.6	19.8	145 W	54	55
8 4	22 0.56	+ 8 46.5	0.987	1.931	15.5	19.7	149 W	54	55
8 14	21 47.72	+ 8 33.0	0.954	1.926	12.0	19.4	157 W	54	55
8 24	21 33.98	+ 7 42.1	0.942	1.920	10.9	19.4	159 E	53	56
9 3	21 21.24	+ 6 21.0	0.953	1.912	13.2	19.5	154 E	51	58
9 8	21 15.80	+ 5 32.9	0.966	1.908	15.2	19.6	150 E	51	58
9 13	21 11.22	+ 4 42.1	0.985	1.903	17.3	19.7	146 E	50	59
9 18	21 7.63	+ 3 50.6	1.008	1.898	19.4	19.8	141 E	49	60
9 23	21 5.08	+ 2 59.7	1.035	1.892	21.5	19.9	136 E	48	61
9 28	21 3.59	+ 2 10.9	1.066	1.886	23.4	20.0	132 E	47	62
10 3	21 3.17	+ 1 25.0	1.101	1.880	25.2	20.1	127 E	46	63
10 8	21 3.78	+ 0 43.0	1.138	1.873	26.8	20.2	122 E	46	63
10 13	21 5.38	+ 0 5.4	1.177	1.866	28.2	20.4	118 E	45	64
10 23	21 11.31	− 0 54.9	1.260	1.851	30.4	20.6	110 E	44	65
11 2	21 20.40	− 1 34.6	1.348	1.835	31.9	20.7	102 E	43	66*
11 12	21 32.18	− 1 53.7	1.438	1.817	32.9	20.9	95 E	43	64*
11 22	21 46.18	− 1 52.7	1.528	1.798	33.3	21.0	89 E	43	60*
12 2	22 1.99	− 1 33.1	1.616	1.778	33.3	21.1	82 E	43	55*
12 12	22 19.33	− 0 56.1	1.700	1.757	33.0	21.2	77 E	44	49*
12 22	22 37.94	− 0 3.4	1.780	1.734	32.5	21.2	71 E	45*	43*
1 1	22 57.63	+ 1 3.1	1.855	1.711	31.7	21.3	66 E	45*	38*
1 11	23 18.30	+ 2 21.8	1.925	1.686	30.7	21.3	61 E	44*	33*
1 21	23 39.84	+ 3 50.8	1.988	1.661	29.6	21.3	56 E	43*	29*

506355 2017 PB_{25}

4 26	21 29.63	−14 38.2	1.959	1.968	29.7	21.4	76 W	19*	69*
5 6	21 48.47	−12 14.5	1.827	1.931	31.0	21.3	80 W	22*	72*
5 16	22 6.63	− 9 40.0	1.698	1.896	32.1	21.1	85 W	25*	73*
5 26	22 24.02	− 6 55.6	1.573	1.863	32.9	20.9	89 W	29*	71
6 5	22 40.56	− 4 1.7	1.453	1.831	33.6	20.7	94 W	33*	68

506355 2017 PB_{25} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 15	22 56.07	− 0 59.2	1.339	1.801	33.9	20.5	99 W	38*	65
6 25	23 10.38	+ 2 10.7	1.231	1.774	33.8	20.3	104 W	44*	62
7 5	23 23.25	+ 5 26.5	1.130	1.749	33.4	20.1	109 W	49*	59
7 15	23 34.32	+ 8 45.7	1.038	1.727	32.4	19.8	114 W	54*	55
7 25	23 43.19	+12 4.7	0.954	1.707	31.0	19.6	120 W	57	52
7 30	23 46.67	+13 42.8	0.916	1.699	30.0	19.5	123 W	59	50
8 4	23 49.43	+15 18.7	0.880	1.691	28.9	19.3	126 W	60	49
8 9	23 51.40	+16 51.5	0.848	1.685	27.7	19.2	129 W	62	47
8 14	23 52.55	+18 20.0	0.818	1.679	26.3	19.1	133 W	63	46
8 19	23 52.86	+19 42.9	0.791	1.674	24.8	19.0	136 W	65	44
8 24	23 52.32	+20 58.8	0.767	1.670	23.2	18.8	139 W	66	43
8 29	23 50.97	+22 6.3	0.747	1.667	21.6	18.7	143 W	67	42
9 3	23 48.86	+23 3.9	0.730	1.664	19.9	18.6	146 W	68	41
9 8	23 46.11	+23 50.2	0.717	1.663	18.3	18.5	149 W	69	40
9 13	23 42.89	+24 24.2	0.708	1.663	16.9	18.5	151 W	69	40
9 18	23 39.43	+24 45.5	0.703	1.663	15.8	18.4	153 E	70	39
9 23	23 35.95	+24 54.2	0.702	1.665	15.1	18.4	154 E	70	39
9 28	23 32.69	+24 50.9	0.706	1.667	14.9	18.4	155 E	70	39
10 3	23 29.87	+24 36.8	0.713	1.671	15.3	18.4	154 E	70	39
10 8	23 27.70	+24 13.5	0.725	1.675	16.1	18.5	152 E	69	40
10 13	23 26.35	+23 43.2	0.740	1.680	17.3	18.6	150 E	69	40
10 18	23 25.94	+23 8.1	0.760	1.686	18.7	18.7	147 E	68	41
10 23	23 26.51	+22 30.4	0.784	1.693	20.2	18.8	144 E	68	41
10 28	23 28.07	+21 51.9	0.811	1.701	21.7	19.0	141 E	67	42
11 2	23 30.61	+21 14.2	0.842	1.710	23.2	19.1	137 E	66	43
11 7	23 34.08	+20 38.7	0.876	1.719	24.5	19.2	134 E	66	43
11 12	23 38.43	+20 6.6	0.914	1.729	25.8	19.4	130 E	65	44
11 17	23 43.59	+19 38.5	0.955	1.740	26.9	19.5	127 E	65	44
11 22	23 49.46	+19 15.0	0.998	1.752	27.9	19.7	124 E	64	45
12 2	0 3.05	+18 42.1	1.094	1.777	29.5	19.9	117 E	64	45
12 12	0 18.67	+18 28.0	1.199	1.805	30.6	20.2	111 E	63	45*
12 22	0 35.83	+18 31.0	1.313	1.835	31.2	20.4	105 E	64	44*
1 1	0 54.13	+18 48.2	1.435	1.867	31.3	20.7	99 E	64	42*
1 11	1 13.32	+19 16.7	1.563	1.901	31.1	20.9	94 E	64	40*
1 21	1 33.16	+19 53.5	1.696	1.936	30.5	21.1	88 E	65	37*

171730 2000 WX_{50}

4 26	21 37.58	−11 45.2	1.970	1.931	29.9	21.4	73 W	21*	65*
5 6	21 54.23	− 9 20.6	1.846	1.910	31.1	21.3	78 W	24*	69*
5 16	22 9.95	− 6 48.0	1.721	1.888	32.1	21.1	83 W	27*	70*
5 26	22 24.63	− 4 7.8	1.597	1.865	32.9	21.0	88 W	31*	68
6 5	22 38.17	− 1 20.1	1.474	1.842	33.3	20.8	94 W	36*	65
6 15	22 50.36	+ 1 34.8	1.354	1.818	33.5	20.6	99 W	41*	62
6 25	23 0.94	+ 4 36.3	1.239	1.793	33.2	20.3	105 W	47*	59
7 5	23 9.59	+ 7 43.9	1.129	1.768	32.5	20.1	111 W	52*	56
7 15	23 15.85	+10 55.8	1.025	1.743	31.2	19.8	117 W	56	53
7 25	23 19.19	+14 8.8	0.931	1.718	29.4	19.5	124 W	59	50
7 30	23 19.59	+15 44.3	0.887	1.705	28.3	19.3	127 W	61	48
8 4	23 19.04	+17 17.8	0.846	1.692	27.1	19.2	131 W	62	47
8 9	23 17.47	+18 48.0	0.808	1.680	25.7	19.0	134 W	64	45
8 14	23 14.86	+20 13.3	0.774	1.667	24.3	18.9	137 W	65	44
8 19	23 11.21	+21 32.1	0.742	1.654	22.9	18.7	141 W	67	42
8 24	23 6.58	+22 42.5	0.715	1.642	21.5	18.6	143 W	68	41
8 29	23 1.04	+23 42.5	0.691	1.629	20.3	18.5	146 W	69	40
9 3	22 54.78	+24 30.1	0.671	1.617	19.4	18.4	148 W	70	39
9 8	22 48.03	+25 3.8	0.656	1.605	19.0	18.3	149 E	70	39
9 13	22 41.11	+25 22.6	0.644	1.593	19.0	18.2	149 E	70	39
9 18	22 34.38	+25 26.7	0.636	1.581	19.6	18.2	148 E	70	39
9 23	22 28.16	+25 16.8	0.632	1.570	20.7	18.2	146 E	70	39
9 28	22 22.77	+24 54.4	0.632	1.558	22.2	18.2	144 E	70	39
10 3	22 18.45	+24 21.5	0.635	1.547	23.9	18.3	141 E	69	40
10 8	22 15.42	+23 40.6	0.642	1.537	25.8	18.3	138 E	69	40
10 13	22 13.81	+22 54.4	0.651	1.527	27.8	18.4	135 E	68	41
10 18	22 13.67	+22 5.5	0.662	1.517	29.7	18.5	131 E	67	42
10 23	22 14.98	+21 16.2	0.676	1.507	31.5	18.6	128 E	66	43
10 28	22 17.69	+20 28.1	0.692	1.498	33.2	18.7	124 E	65	44
11 2	22 21.74	+19 42.6	0.710	1.489	34.7	18.8	121 E	65	44
11 7	22 27.06	+19 1.0	0.729	1.481	36.2	18.8	118 E	64	45
11 12	22 33.55	+18 24.2	0.750	1.474	37.5	18.9	115 E	63	46
11 17	22 41.10	+17 52.8	0.772	1.467	38.6	19.0	112 E	63	46
11 22	22 49.60	+17 26.8	0.794	1.460	39.6	19.1	110 E	62	46*
12 2	23 9.12	+16 51.5	0.843	1.449	41.2	19.2	105 E	62	46*
12 12	23 31.48	+16 37.6	0.896	1.440	42.3	19.4	100 E	62	45*
12 22	23 56.09	+16 42.8	0.951	1.434	43.0	19.5	96 E	62	43*
1 1	0 22.43	+17 3.3	1.010	1.431	43.4	19.7	92 E	62	41*
1 11	0 50.17	+17 35.2	1.073	1.430	43.4	19.8	88 E	63	38*
1 21	1 18.94	+18 14.3	1.139	1.433	43.1	19.9	85 E	63*	37*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
400242 2007 NZ_4									
4 26	21 41.94	−14 20.9	1.958	1.917	30.1	21.5	73 W	18*	66*
5 6	22 2.95	−12 56.8	1.835	1.887	31.4	21.3	77 W	19*	70*
5 16	22 23.62	−11 30.9	1.713	1.858	32.6	21.2	82 W	21*	72*
5 26	22 43.88	−10 5.3	1.595	1.830	33.5	21.0	86 W	24*	73*
6 5	23 3.69	− 8 42.2	1.480	1.803	34.2	20.9	91 W	26*	73
6 15	23 22.91	− 7 24.2	1.369	1.778	34.7	20.7	95 W	29*	71
6 25	23 41.40	− 6 14.2	1.263	1.755	34.8	20.5	100 W	33*	70
7 5	23 58.96	− 5 14.9	1.162	1.733	34.5	20.2	105 W	36*	69
7 15	0 15.28	− 4 29.8	1.068	1.714	33.7	20.0	111 W	39*	68
7 25	0 29.97	− 4 2.0	0.980	1.697	32.4	19.8	117 W	41*	68
8 4	0 42.59	− 3 54.3	0.899	1.683	30.4	19.5	123 W	41	68
8 14	0 52.55	− 4 9.0	0.828	1.671	27.6	19.2	130 W	41	68
8 24	0 59.30	− 4 46.1	0.767	1.662	24.1	19.0	138 W	40	69
9 3	1 2.41	− 5 42.8	0.718	1.655	19.6	18.7	147 W	39	70
9 8	1 2.52	− 6 16.7	0.699	1.653	17.2	18.5	151 W	39	70
9 13	1 1.71	− 6 52.4	0.683	1.652	14.7	18.4	155 W	38	71
9 18	1 0.08	− 7 28.3	0.672	1.652	12.2	18.3	160 W	38	71
9 23	0 57.74	− 8 2.4	0.665	1.652	10.0	18.2	163 W	37	72
9 28	0 54.86	− 8 33.1	0.663	1.653	8.4	18.1	166 W	36	73
10 3	0 51.64	− 8 58.4	0.665	1.655	8.1	18.1	167 W	36	73
10 8	0 48.32	− 9 16.8	0.672	1.657	9.0	18.1	165 E	36	73
10 13	0 45.13	− 9 26.9	0.684	1.661	10.9	18.3	162 E	36	73
10 18	0 42.30	− 9 28.2	0.700	1.664	13.2	18.4	158 E	36	73
10 23	0 40.02	− 9 20.3	0.720	1.669	15.7	18.6	153 E	36	73
11 2	0 37.56	− 8 38.4	0.773	1.681	20.3	18.9	144 E	36	73
11 12	0 38.41	− 7 25.6	0.841	1.695	24.2	19.2	135 E	38	71
11 22	0 42.63	− 5 48.6	0.922	1.711	27.3	19.5	127 E	39	70
11 27	0 45.90	− 4 53.2	0.966	1.720	28.6	19.7	123 E	40	69
12 2	0 49.88	− 3 54.3	1.013	1.730	29.6	19.8	120 E	41	68
12 7	0 54.51	− 2 52.4	1.063	1.740	30.5	19.9	116 E	42	67
12 12	0 59.75	− 1 48.2	1.114	1.751	31.2	20.1	113 E	43	66
12 22	1 11.81	+ 0 25.0	1.223	1.774	32.1	20.3	107 E	45	64*
1 1	1 25.64	+ 2 41.5	1.338	1.799	32.5	20.6	101 E	48	60*
1 11	1 40.93	+ 4 58.4	1.459	1.826	32.5	20.8	95 E	50	56*
1 21	1 57.42	+ 7 13.3	1.584	1.853	32.1	21.0	89 E	52	51*
488943 2005 UL_{147}									
4 26	21 43.89	−21 54.5	1.662	1.705	34.7	21.4	75 W	11*	69*
5 6	22 9.52	−20 18.1	1.563	1.681	36.0	21.3	78 W	12*	72*
5 16	22 34.54	−18 34.5	1.467	1.659	37.1	21.1	82 W	14*	76*
5 26	22 58.83	−16 45.8	1.375	1.640	38.0	21.0	85 W	16*	78*
6 5	23 22.27	−14 54.4	1.288	1.623	38.7	20.8	89 W	19*	78*
6 15	23 44.70	−13 2.9	1.204	1.609	39.1	20.7	93 W	22*	77
6 25	0 5.90	−11 13.8	1.125	1.598	39.2	20.5	96 W	26*	75
7 5	0 25.62	− 9 29.5	1.049	1.590	38.9	20.4	101 W	30*	73
7 15	0 43.50	− 7 52.4	0.978	1.585	38.2	20.2	105 W	34*	72
7 25	0 59.12	− 6 24.4	0.911	1.584	36.9	20.0	110 W	38*	70
8 4	1 11.97	− 5 6.7	0.848	1.585	35.0	19.8	116 W	40*	69
8 14	1 21.41	− 4 0.6	0.791	1.590	32.3	19.6	123 W	41	68
8 24	1 26.83	− 3 5.4	0.741	1.598	28.6	19.3	131 W	42	67
9 3	1 27.76	− 2 19.8	0.700	1.609	23.9	19.1	140 W	43	66
9 13	1 24.00	− 1 41.0	0.672	1.623	18.1	18.8	150 W	43	66
9 23	1 16.15	− 1 4.4	0.658	1.639	11.6	18.6	161 W	44	65
10 3	1 5.64	− 0 25.2	0.662	1.658	5.2	18.3	171 W	45	64
10 13	0 54.54	+ 0 20.9	0.686	1.680	5.1	18.4	171 E	45	64
10 23	0 45.09	+ 1 16.9	0.731	1.703	10.9	18.9	161 E	46	63
11 2	0 38.79	+ 2 23.0	0.795	1.729	16.5	19.3	150 E	47	62
11 12	0 36.36	+ 3 38.8	0.876	1.756	21.1	19.7	140 E	49	60
11 22	0 37.82	+ 5 3.1	0.972	1.784	24.7	20.0	131 E	50	59
12 2	0 42.72	+ 6 34.1	1.081	1.814	27.2	20.4	123 E	52	57
12 12	0 50.58	+ 8 10.6	1.199	1.845	29.0	20.7	115 E	53	56
12 22	1 0.86	+ 9 51.0	1.326	1.876	30.0	21.0	108 E	55	54*
1 1	1 13.09	+11 33.7	1.459	1.908	30.4	21.2	101 E	57	51*
1 11	1 26.94	+13 17.4	1.596	1.941	30.3	21.5	95 E	58	47*
333901 1999 RX_{112}									
4 26	21 46.52	−17 28.1	2.353	2.269	25.1	21.5	73 W	15*	67*
5 6	22 2.84	−15 52.7	2.199	2.225	26.4	21.3	78 W	17*	72*
5 16	22 18.52	−14 13.8	2.045	2.181	27.4	21.2	84 W	20*	75*
5 26	22 33.48	−12 32.2	1.893	2.137	28.3	21.0	89 W	23*	76*
6 5	22 47.62	−10 48.6	1.744	2.094	28.9	20.8	95 W	26*	75
6 15	23 0.73	− 9 3.8	1.599	2.051	29.1	20.6	101 W	30*	73
6 25	23 12.63	− 7 18.9	1.460	2.009	28.9	20.3	107 W	34*	71
7 5	23 23.05	− 5 34.6	1.327	1.968	28.3	20.0	114 W	38*	70
7 15	23 31.62	− 3 52.0	1.203	1.929	27.0	19.7	120 W	41*	68
7 25	23 37.96	− 2 12.5	1.088	1.891	25.1	19.4	128 W	43	66
8 4	23 41.61	− 0 37.2	0.985	1.854	22.3	19.1	136 W	44	65
8 14	23 42.15	+ 0 51.7	0.896	1.820	18.7	18.7	145 W	46	63
8 24	23 39.41	+ 2 12.3	0.822	1.787	14.2	18.3	154 W	47	62

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
333901 1999 RX_{112} *(continuation)*									
9 3	23 33.59	+ 3 22.3	0.766	1.758	9.0	18.0	164 W	48	61
9 13	23 25.53	+ 4 19.6	0.729	1.731	4.8	17.6	172 W	49	60
9 23	23 16.82	+ 5 4.9	0.713	1.707	6.9	17.6	168 E	50	59
10 3	23 9.31	+ 5 40.7	0.716	1.687	12.6	17.9	158 E	51	58
10 8	23 6.55	+ 5 56.6	0.724	1.678	15.5	18.0	153 E	51	58
10 13	23 4.70	+ 6 12.2	0.737	1.670	18.3	18.1	148 E	51	58
10 18	23 3.87	+ 6 28.4	0.753	1.663	20.9	18.2	143 E	51	58
10 23	23 4.10	+ 6 45.9	0.773	1.657	23.2	18.3	139 E	52	57
11 2	23 7.79	+ 7 26.4	0.822	1.649	27.3	18.6	130 E	52	57
11 12	23 15.62	+ 8 17.1	0.882	1.644	30.4	18.8	123 E	53	56
11 22	23 27.10	+ 9 19.6	0.950	1.644	32.7	19.0	116 E	54	55
12 2	23 41.61	+10 33.4	1.026	1.648	34.2	19.3	110 E	56	53*
12 12	23 58.64	+11 57.2	1.109	1.656	35.2	19.5	104 E	57	51*
12 22	0 17.68	+13 29.1	1.198	1.668	35.6	19.7	99 E	58	48*
1 1	0 38.30	+15 6.2	1.292	1.684	35.6	19.8	94 E	60	44*
1 11	1 0.22	+16 46.2	1.392	1.703	35.3	20.0	90 E	62	40*
1 21	1 23.13	+18 26.0	1.497	1.726	34.6	20.2	86 E	63*	37*
525783 2005 SU_{164}									
4 26	22 0.74	−19 45.3	1.771	1.720	33.5	21.4	70 W	11*	64*
5 6	22 26.56	−18 10.9	1.670	1.694	34.9	21.3	74 W	12*	68*
5 16	22 52.06	−16 30.4	1.571	1.670	36.2	21.2	77 W	13*	71*
5 26	23 17.15	−14 45.9	1.477	1.647	37.3	21.0	80 W	15*	73*
6 5	23 41.78	−12 59.7	1.388	1.628	38.3	20.9	84 W	18*	75*
6 15	0 5.79	−11 14.1	1.302	1.610	39.0	20.8	87 W	21*	75*
6 25	0 29.03	− 9 31.6	1.221	1.596	39.6	20.6	91 W	25*	74
7 5	0 51.31	− 7 54.4	1.144	1.585	39.8	20.5	94 W	29*	72
7 15	1 12.34	− 6 24.9	1.070	1.576	39.7	20.3	98 W	33*	70
7 25	1 31.77	− 5 4.9	1.001	1.571	39.2	20.1	102 W	37*	69
8 4	1 49.20	− 3 55.6	0.935	1.569	38.2	20.0	107 W	40*	68
8 14	2 4.06	− 2 58.0	0.874	1.571	36.6	19.8	113 W	42*	67
8 24	2 15.76	− 2 11.6	0.817	1.576	34.2	19.6	119 W	43	66
9 3	2 23.65	− 1 35.2	0.766	1.584	31.1	19.3	126 W	43	66
9 13	2 27.07	− 1 6.0	0.722	1.596	26.9	19.1	134 W	44	65
9 23	2 25.69	− 0 39.3	0.689	1.610	21.8	18.9	143 W	44	65
9 28	2 23.22	− 0 25.2	0.677	1.618	18.9	18.8	149 W	45	64
10 3	2 19.68	− 0 9.6	0.668	1.627	15.8	18.6	154 W	45	64
10 8	2 15.19	+ 0 8.4	0.664	1.637	12.7	18.5	159 W	45	64
10 13	2 10.01	+ 0 29.3	0.665	1.647	9.7	18.4	164 W	45	64
10 23	1 58.62	+ 1 22.3	0.680	1.669	6.0	18.3	170 W	46	63
11 2	1 47.76	+ 2 30.5	0.716	1.693	9.1	18.6	164 E	48	61
11 12	1 39.38	+ 3 52.8	0.773	1.719	14.5	19.0	154 E	49	60
11 22	1 34.70	+ 5 26.1	0.848	1.747	19.3	19.4	144 E	50	59
12 2	1 33.98	+ 7 7.0	0.940	1.776	23.3	19.8	135 E	52	57
12 12	1 37.03	+ 8 52.8	1.045	1.807	26.2	20.2	126 E	54	55
12 22	1 43.39	+10 41.3	1.161	1.838	28.3	20.5	118 E	56	53
1 1	1 52.49	+12 30.5	1.286	1.871	29.5	20.8	110 E	58	51*
1 11	2 3.89	+14 19.1	1.418	1.904	30.2	21.1	103 E	59	49*
1 21	2 17.16	+16 5.5	1.556	1.937	30.3	21.3	97 E	61	45*
253692 2003 UH_{260}									
4 26	22 12.26	−17 50.5	2.654	2.447	22.3	21.4	67 W	11*	61*
5 6	22 28.00	−17 8.9	2.503	2.412	23.6	21.3	73 W	13*	67*
5 16	22 43.26	−16 32.4	2.350	2.376	24.7	21.2	79 W	15*	73*
5 26	22 57.95	−16 3.0	2.195	2.340	25.6	21.0	85 W	17*	77*
6 5	23 11.98	−15 43.0	2.042	2.303	26.1	20.8	91 W	19*	80*
6 15	23 25.17	−15 35.1	1.891	2.266	26.4	20.7	98 W	22*	80
6 25	23 37.35	−15 41.9	1.744	2.229	26.2	20.4	105 W	25*	80
7 5	23 48.28	−16 6.3	1.604	2.191	25.6	20.2	111 W	27*	80
7 15	23 57.60	−16 51.2	1.471	2.153	24.5	19.9	119 W	28*	81
7 25	0 4.95	−17 58.7	1.349	2.115	22.8	19.7	126 W	27	82
8 4	0 9.88	−19 29.4	1.239	2.077	20.5	19.4	134 W	26	83
8 14	0 11.91	−21 21.6	1.143	2.039	17.8	19.1	142 W	24	85
8 19	0 11.72	−22 23.7	1.102	2.020	16.4	18.9	146 W	23	86
8 24	0 10.70	−23 28.4	1.066	2.002	15.1	18.8	149 W	22	87
8 29	0 8.84	−24 33.9	1.034	1.983	13.9	18.7	152 W	20	89
9 3	0 6.18	−25 38.3	1.007	1.965	13.0	18.5	154 W	19	90
9 8	0 2.79	−26 39.5	0.986	1.946	12.6	18.5	155 W	18	89
9 13	23 58.80	−27 35.1	0.969	1.928	12.8	18.4	155 W	17	88
9 18	23 54.37	−28 22.7	0.958	1.911	13.6	18.4	153 W	17	88
9 23	23 49.72	−29 0.7	0.952	1.893	14.9	18.4	151 E	16	87
9 28	23 45.05	−29 27.5	0.951	1.876	16.6	18.4	148 E	16	87
10 3	23 40.59	−29 42.1	0.954	1.859	18.5	18.5	144 E	15	86
10 8	23 36.57	−29 44.1	0.961	1.842	20.4	18.6	140 E	15	86
10 13	23 33.20	−29 33.3	0.972	1.825	22.4	18.6	136 E	15	86
10 18	23 30.63	−29 10.5	0.987	1.809	24.3	18.7	132 E	16	87
10 23	23 28.95	−28 36.4	1.005	1.794	26.1	18.8	128 E	16	87
10 28	23 28.24	−27 52.1	1.025	1.779	27.7	18.8	124 E	17	88

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
253692 2003 UH_{260} *(continuation)*									
11 2	23 28.52	−26 58.4	1.047	1.764	29.3	18.9	120 E	18	89
11 7	23 29.78	−25 56.5	1.072	1.750	30.6	19.0	116 E	19	90
11 12	23 32.01	−24 47.2	1.098	1.736	31.8	19.1	112 E	20	89
11 17	23 35.14	−23 31.4	1.126	1.723	32.9	19.1	109 E	21	88
11 22	23 39.12	−22 10.1	1.154	1.710	33.8	19.2	106 E	23	86
11 27	23 43.88	−20 43.9	1.184	1.698	34.5	19.2	103 E	24	85
12 2	23 49.36	−19 13.3	1.215	1.687	35.2	19.3	100 E	26	83
12 7	23 55.50	−17 38.9	1.246	1.677	35.7	19.4	97 E	27	81*
12 12	0 2.25	−16 1.2	1.278	1.667	36.1	19.4	94 E	29	78*
12 17	0 9.54	−14 20.7	1.311	1.658	36.4	19.5	91 E	31	74*
12 22	0 17.33	−12 37.8	1.344	1.649	36.6	19.5	89 E	32	70*
12 27	0 25.58	−10 53.0	1.377	1.642	36.7	19.6	86 E	34	67*
1 1	0 34.24	− 9 6.6	1.411	1.635	36.7	19.6	84 E	36	63*
1 6	0 43.30	− 7 19.0	1.446	1.629	36.7	19.6	82 E	38	60*
1 11	0 52.72	− 5 30.7	1.480	1.624	36.6	19.7	80 E	39	57*
1 16	1 2.48	− 3 41.9	1.515	1.620	36.4	19.7	78 E	41	54*
1 21	1 12.55	− 1 53.3	1.551	1.617	36.1	19.8	76 E	43*	51*
297695 2001 VK_{34}									
4 26	22 14.75	−12 48.4	2.033	1.843	29.6	21.5	65 W	15*	58*
5 6	22 37.56	−10 50.0	1.914	1.807	31.3	21.3	69 W	16*	62*
5 16	23 0.37	− 8 45.8	1.797	1.772	32.9	21.2	72 W	19*	65*
5 26	23 23.18	− 6 37.2	1.683	1.738	34.4	21.1	76 W	21*	66*
6 5	23 46.04	− 4 25.7	1.573	1.705	35.8	20.9	79 W	24*	67*
6 15	0 8.91	− 2 13.2	1.467	1.675	37.0	20.7	83 W	28*	66*
6 25	0 31.78	− 0 1.7	1.366	1.646	38.0	20.6	86 W	32*	64
7 5	0 54.60	+ 2 6.9	1.269	1.620	38.9	20.4	90 W	37*	62
7 15	1 17.24	+ 4 10.2	1.178	1.597	39.5	20.2	93 W	42*	60
7 25	1 39.51	+ 6 6.0	1.093	1.576	39.8	20.1	97 W	47*	58
8 4	2 1.18	+ 7 52.3	1.012	1.559	39.8	19.9	101 W	51*	56
8 14	2 21.85	+ 9 26.9	0.937	1.546	39.3	19.7	105 W	54*	55
8 24	2 41.04	+10 48.6	0.867	1.536	38.4	19.5	109 W	56	53
9 3	2 58.19	+11 56.5	0.803	1.530	36.8	19.2	115 W	57	52
9 13	3 12.51	+12 50.4	0.745	1.528	34.5	19.0	121 W	58	51
9 23	3 23.28	+13 31.1	0.693	1.530	31.2	18.8	128 W	59	50
10 3	3 29.75	+14 0.0	0.650	1.536	27.0	18.5	136 W	59	50
10 13	3 31.40	+14 18.9	0.618	1.546	21.6	18.2	145 W	59	50
10 23	3 28.38	+14 30.6	0.598	1.560	15.2	18.0	156 W	60	49
10 28	3 25.38	+14 34.6	0.594	1.568	11.7	17.9	161 W	60	49
11 2	3 21.64	+14 37.9	0.594	1.577	8.1	17.7	167 W	60	49
11 7	3 17.42	+14 41.2	0.598	1.587	4.5	17.6	173 W	60	49
11 12	3 13.02	+14 45.0	0.608	1.597	1.9	17.5	177 W	60	49
11 17	3 8.76	+14 50.0	0.622	1.609	3.9	17.7	174 E	60	49
11 22	3 4.90	+14 56.8	0.641	1.621	7.2	17.9	168 E	60	49
11 27	3 1.66	+15 5.7	0.665	1.633	10.4	18.1	163 E	60	49
12 2	2 59.21	+15 17.1	0.693	1.647	13.5	18.4	157 E	60	49
12 12	2 57.13	+15 48.5	0.763	1.675	18.9	18.8	147 E	61	48
12 22	2 59.03	+16 30.9	0.849	1.706	23.1	19.2	137 E	62	47
1 1	3 4.62	+17 22.4	0.948	1.739	26.3	19.6	128 E	62	47
1 11	3 13.45	+18 20.2	1.058	1.773	28.6	19.9	120 E	63	46
1 21	3 25.00	+19 21.5	1.178	1.808	30.0	20.2	113 E	64	45
168791 2000 SQ_{43}									
4 26	22 27.20	− 5 17.7	1.313	1.177	47.3	21.4	59 W	19*	52*
5 1	22 47.02	− 3 32.0	1.303	1.163	47.8	21.4	59 W	19*	51*
5 6	23 6.69	− 1 45.2	1.295	1.152	48.2	21.4	58 W	19*	51*
5 11	23 26.15	+ 0 1.4	1.291	1.144	48.5	21.4	58 W	19*	50*
5 16	23 45.37	+ 1 46.6	1.290	1.138	48.7	21.4	58 W	20*	49*
5 21	0 4.32	+ 3 29.3	1.291	1.135	48.8	21.4	58 W	20*	48*
5 26	0 22.97	+ 5 8.5	1.294	1.135	48.7	21.4	57 W	21*	48*
5 31	0 41.32	+ 6 43.3	1.299	1.138	48.6	21.4	57 W	21*	47*
6 5	0 59.32	+ 8 13.1	1.306	1.144	48.4	21.4	57 W	22*	47*
6 10	1 16.97	+ 9 37.2	1.313	1.153	48.1	21.4	58 W	23*	46*
6 15	1 34.23	+10 55.3	1.321	1.164	47.7	21.4	58 W	24*	46*
6 20	1 51.08	+12 7.1	1.329	1.178	47.3	21.5	59 W	26*	45*
6 25	2 7.51	+13 12.3	1.337	1.195	46.9	21.5	59 W	27*	45*
539918 2017 FC_{128}									
4 26	22 30.08	− 7 33.2	1.933	1.663	31.4	21.5	59 W	17*	53*
5 6	22 52.79	− 4 48.2	1.866	1.666	32.6	21.4	63 W	19*	55*
5 16	23 14.62	− 2 2.0	1.799	1.672	33.6	21.4	66 W	22*	57*
5 26	23 35.53	+ 0 43.1	1.730	1.681	34.5	21.3	70 W	25*	58*
6 5	23 55.50	+ 3 25.0	1.661	1.691	35.2	21.3	74 W	29*	59*
6 15	0 14.43	+ 6 1.7	1.592	1.703	35.7	21.2	78 W	34*	58*
6 25	0 32.18	+ 8 31.2	1.521	1.718	35.9	21.2	83 W	39*	55
7 5	0 48.60	+10 51.9	1.450	1.734	35.9	21.1	88 W	45*	53
7 15	1 3.39	+13 2.2	1.378	1.752	35.4	21.0	93 W	51*	51
7 25	1 16.23	+15 0.2	1.306	1.772	34.5	20.9	99 W	57*	49
8 4	1 26.73	+16 44.2	1.236	1.792	33.1	20.7	105 W	61*	47
8 14	1 34.36	+18 12.0	1.168	1.814	31.1	20.6	112 W	63	46

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
539918 2017 FC_{128} *(continuation)*									
8 24	1 38.65	+19 20.7	1.105	1.837	28.3	20.4	120 W	64	45
9 3	1 39.18	+20 6.8	1.049	1.861	24.7	20.2	130 W	65	44
9 13	1 35.74	+20 25.9	1.004	1.886	20.3	20.0	139 W	65	44
9 23	1 28.68	+20 14.8	0.974	1.911	15.1	19.8	150 W	65	44
9 28	1 24.08	+19 57.7	0.966	1.924	12.4	19.7	156 W	65	44
10 3	1 18.97	+19 33.1	0.963	1.937	9.6	19.6	161 W	65	44
10 8	1 13.59	+19 2.0	0.966	1.950	7.2	19.5	166 W	64	45
10 13	1 8.17	+18 25.4	0.975	1.964	5.5	19.5	169 E	63	46
10 18	1 2.96	+17 45.0	0.989	1.977	5.4	19.5	169 E	63	46
10 23	0 58.15	+17 2.4	1.010	1.990	6.8	19.6	166 E	62	47
10 28	0 53.92	+16 19.4	1.036	2.003	9.0	19.8	162 E	61	48
11 2	0 50.40	+15 37.5	1.068	2.017	11.4	20.0	156 E	61	48
11 7	0 47.70	+14 58.2	1.106	2.030	13.7	20.1	151 E	60	49
11 12	0 45.86	+14 22.6	1.148	2.043	15.9	20.3	146 E	59	50
11 22	0 44.82	+13 25.9	1.247	2.070	19.6	20.6	135 E	58	51
12 2	0 47.09	+12 50.4	1.361	2.096	22.4	21.0	126 E	58	51
12 12	0 52.31	+12 36.1	1.487	2.123	24.4	21.2	117 E	58	51
12 22	1 0.02	+12 41.0	1.623	2.149	25.7	21.5	109 E	58	51*
347961 2003 RK_1									
4 26	22 32.12	−19 54.4	2.507	2.252	23.6	21.5	64 W	7*	57*
5 6	22 51.18	−18 38.7	2.361	2.207	25.2	21.3	69 W	8*	63*
5 16	23 10.05	−17 22.6	2.215	2.161	26.7	21.2	74 W	10*	68*
5 26	23 28.70	−16 7.4	2.070	2.117	28.0	21.0	79 W	13*	72*
6 5	23 47.11	−14 54.1	1.927	2.072	29.1	20.9	83 W	16*	76*
6 15	0 5.20	−13 44.2	1.787	2.029	30.0	20.7	88 W	19*	77*
6 25	0 22.86	−12 39.0	1.651	1.986	30.7	20.5	93 W	23*	77
7 5	0 39.98	−11 39.6	1.519	1.945	31.2	20.3	98 W	27*	76
7 15	0 56.34	−10 47.6	1.394	1.904	31.3	20.1	103 W	30*	75
7 25	1 11.69	−10 3.8	1.274	1.866	31.1	19.8	109 W	33*	74
8 4	1 25.71	− 9 28.7	1.162	1.829	30.4	19.5	114 W	35*	73
8 14	1 37.92	− 9 2.6	1.057	1.795	29.2	19.3	120 W	36	73
8 24	1 47.82	− 8 44.1	0.962	1.763	27.4	19.0	127 W	36	73
9 3	1 54.83	− 8 30.6	0.877	1.735	24.9	18.7	134 W	36	73
9 8	1 57.06	− 8 24.4	0.838	1.721	23.3	18.5	137 W	37	72
9 13	1 58.35	− 8 17.4	0.803	1.709	21.6	18.3	141 W	37	72
9 18	1 58.66	− 8 8.6	0.771	1.697	19.7	18.2	145 W	37	72
9 23	1 58.00	− 7 56.7	0.743	1.687	17.6	18.0	149 W	37	72
9 28	1 56.37	− 7 40.8	0.719	1.677	15.4	17.9	154 W	37	72
10 3	1 53.83	− 7 19.4	0.699	1.668	13.3	17.7	158 W	38	71
10 8	1 50.50	− 6 51.4	0.683	1.660	11.3	17.6	161 W	38	71
10 13	1 46.56	− 6 15.8	0.672	1.653	9.8	17.5	164 W	39	70
10 23	1 37.79	− 4 39.6	0.664	1.643	9.7	17.4	164 E	40	69
11 2	1 29.50	− 2 31.1	0.675	1.637	13.4	17.6	157 E	42	67
11 12	1 23.58	+ 0 3.2	0.706	1.635	18.3	17.9	149 E	45	64
11 17	1 21.94	+ 1 27.1	0.727	1.636	20.6	18.0	144 E	46	63
11 22	1 21.30	+ 2 54.0	0.753	1.638	22.8	18.1	140 E	48	61
11 27	1 21.67	+ 4 22.5	0.783	1.641	24.8	18.3	136 E	49	60
12 2	1 23.06	+ 5 51.9	0.816	1.645	26.6	18.4	132 E	51	58
12 12	1 28.81	+ 8 50.5	0.891	1.656	29.5	18.7	124 E	54	55
12 22	1 38.13	+11 45.2	0.977	1.672	31.6	19.0	117 E	57	52
1 1	1 50.48	+14 32.9	1.073	1.691	33.0	19.3	111 E	60	49*
1 11	2 5.42	+17 11.8	1.177	1.714	33.7	19.5	105 E	62	46*
1 21	2 22.50	+19 40.5	1.288	1.741	33.9	19.8	99 E	65	42*
260141 2004 QT_{24}									
4 26	22 32.96	−26 38.9	1.468	1.417	40.8	21.5	67 W	1*	59*
5 6	23 1.21	−25 16.7	1.402	1.418	41.9	21.4	70 W	2*	62*
5 16	23 28.78	−23 48.2	1.332	1.416	43.0	21.3	73 W	2*	66*
5 26	23 55.73	−22 15.2	1.261	1.410	44.1	21.2	76 W	4*	69*
6 5	0 22.21	−20 38.9	1.187	1.401	45.2	21.1	79 W	6*	72*
6 15	0 48.29	−19 0.5	1.111	1.388	46.3	21.0	81 W	9*	75*
6 25	1 14.11	−17 20.1	1.034	1.371	47.5	20.8	84 W	12*	77*
7 5	1 39.83	−15 37.4	0.956	1.351	48.7	20.7	86 W	16*	78*
7 15	2 5.61	−13 51.3	0.878	1.327	50.0	20.5	89 W	21*	77*
7 20	2 18.60	−12 56.2	0.839	1.314	50.7	20.4	90 W	23*	77*
7 25	2 31.71	−11 59.2	0.800	1.300	51.4	20.3	91 W	25*	76*
7 30	2 44.98	−10 59.6	0.761	1.285	52.2	20.2	92 W	27*	75
8 4	2 58.49	− 9 56.8	0.722	1.269	53.0	20.1	92 W	29*	74
8 9	3 12.28	− 8 50.0	0.683	1.253	53.9	19.9	93 W	32*	73
8 14	3 26.45	− 7 38.0	0.645	1.236	54.9	19.8	94 W	34*	72
8 19	3 41.10	− 6 19.6	0.607	1.218	55.9	19.7	94 W	36*	70
8 24	3 56.38	− 4 53.2	0.570	1.200	57.1	19.5	95 W	38*	69
8 29	4 12.48	− 3 16.8	0.534	1.181	58.5	19.4	95 W	40*	67
9 3	4 29.60	− 1 28.7	0.499	1.161	60.0	19.3	95 W	42*	65
9 8	4 48.01	+ 0 33.5	0.465	1.141	61.7	19.1	94 W	45*	63
9 13	5 8.02	+ 2 52.2	0.433	1.121	63.6	19.0	94 W	47*	61*

260141 2004 QT_{24} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 18	5 30.05	+ 5 29.5	0.403	1.100	65.8	18.9	93 W	50*	58*
9 23	5 54.59	+ 8 26.2	0.376	1.079	68.4	18.7	91 W	53*	55*
9 28	6 22.14	+11 41.0	0.353	1.058	71.2	18.7	89 W	56*	51*
10 3	6 53.14	+15 8.7	0.335	1.037	74.4	18.6	87 W	59*	47*
10 5	7 6.56	+16 33.3	0.329	1.029	75.8	18.6	86 W	60*	45*
10 7	7 20.58	+17 57.5	0.323	1.021	77.1	18.6	84 W	62*	43*
10 9	7 35.17	+19 20.3	0.319	1.012	78.5	18.6	83 W	63*	41*
10 11	7 50.31	+20 40.5	0.316	1.004	79.9	18.6	82 W	63*	39*
10 13	8 5.95	+21 56.9	0.314	0.996	81.3	18.6	81 W	64*	37*
10 15	8 22.02	+23 8.3	0.313	0.988	82.6	18.6	79 W	65*	35*
10 17	8 38.45	+24 13.6	0.313	0.980	83.9	18.7	78 W	65*	32*
10 19	8 55.12	+25 11.8	0.314	0.972	85.2	18.7	76 W	65*	30*
10 21	9 11.94	+26 2.0	0.317	0.964	86.4	18.8	75 W	65*	28*
10 23	9 28.77	+26 43.6	0.320	0.957	87.4	18.8	74 W	65*	26*
10 25	9 45.50	+27 16.3	0.324	0.949	88.4	18.9	73 W	64*	24*
10 27	10 2.01	+27 40.1	0.329	0.942	89.3	18.9	71 W	64*	23*
10 29	10 18.19	+27 55.1	0.336	0.934	90.1	19.0	70 W	63*	21*
10 31	10 33.94	+28 1.7	0.343	0.927	90.7	19.0	69 W	62*	19*
11 2	10 49.21	+28 0.4	0.351	0.921	91.3	19.1	68 W	61*	18*
11 4	11 3.92	+27 51.8	0.359	0.914	91.7	19.1	67 W	61*	17*
11 6	11 18.04	+27 36.7	0.368	0.908	92.0	19.2	66 W	60*	16*
11 8	11 31.55	+27 15.6	0.378	0.902	92.2	19.2	65 W	59*	15*
11 10	11 44.44	+26 49.2	0.389	0.896	92.2	19.3	65 W	58*	14*
11 12	11 56.74	+26 18.2	0.400	0.890	92.2	19.3	64 W	58*	13*
11 14	12 8.45	+25 43.2	0.411	0.885	92.1	19.4	63 W	57*	13*
11 16	12 19.60	+25 4.6	0.423	0.880	91.9	19.4	63 W	57*	12*
11 18	12 30.22	+24 23.0	0.435	0.875	91.6	19.5	62 W	56*	12*
11 20	12 40.35	+23 38.7	0.448	0.871	91.3	19.5	62 W	56*	12*
11 22	12 50.01	+22 52.2	0.461	0.867	90.9	19.5	61 W	55*	12*
11 27	13 12.39	+20 47.8	0.493	0.858	89.6	19.6	60 W	54*	13*
12 2	13 32.63	+18 35.1	0.526	0.852	88.0	19.7	60 W	53*	14*
12 7	13 51.15	+16 16.8	0.559	0.848	86.2	19.7	59 W	52*	15*
12 12	14 8.36	+13 54.9	0.592	0.847	84.3	19.8	59 W	51*	17*
12 17	14 24.56	+11 31.0	0.624	0.849	82.3	19.8	59 W	50*	20*
12 22	14 40.01	+ 9 6.1	0.654	0.853	80.3	19.8	59 W	48*	22*
12 27	14 54.92	+ 6 41.5	0.682	0.860	78.3	19.9	59 W	47*	25*
1 1	15 9.44	+ 4 18.0	0.709	0.869	76.4	19.9	59 W	45*	28*
1 6	15 23.65	+ 1 56.7	0.733	0.880	74.5	20.0	60 W	44*	31*
1 11	15 37.66	− 0 22.0	0.755	0.893	72.8	20.0	60 W	42*	35*
1 16	15 51.52	− 2 37.5	0.774	0.907	71.1	20.0	61 W	40*	38*
1 21	16 5.30	− 4 49.5	0.791	0.924	69.6	20.1	62 W	38*	41*

344184 2001 DT_{105}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	23 29.11	− 2 3.2	2.855	2.237	18.1	21.5	44 W	11*	37*
5 6	23 47.86	− 0 17.2	2.731	2.193	20.1	21.4	48 W	13*	41*
5 16	0 6.83	+ 1 29.4	2.602	2.150	22.0	21.3	53 W	16*	45*
5 26	0 26.05	+ 3 15.3	2.471	2.107	23.9	21.2	57 W	19*	49*
6 5	0 45.58	+ 4 59.3	2.338	2.064	25.7	21.1	62 W	22*	51*
6 15	1 5.42	+ 6 40.1	2.205	2.022	27.4	21.0	66 W	26*	53*
6 25	1 25.60	+ 8 16.0	2.072	1.980	28.9	20.8	71 W	31*	54*
7 5	1 46.13	+ 9 45.5	1.940	1.940	30.4	20.7	75 W	36*	53*
7 15	2 6.98	+11 6.7	1.811	1.901	31.7	20.5	79 W	41*	53*
7 25	2 28.09	+12 17.7	1.684	1.863	32.8	20.4	83 W	46*	52
8 4	2 49.37	+13 16.6	1.562	1.827	33.7	20.2	88 W	51*	51
8 14	3 10.65	+14 1.3	1.444	1.793	34.4	20.0	92 W	55*	50
8 24	3 31.69	+14 30.1	1.331	1.761	34.8	19.8	97 W	58*	49
9 3	3 52.21	+14 41.5	1.224	1.732	34.8	19.6	101 W	60*	49
9 13	4 11.78	+14 34.4	1.124	1.706	34.5	19.3	106 W	60	49
9 23	4 29.93	+14 8.6	1.030	1.683	33.6	19.1	112 W	59	50
10 3	4 46.09	+13 25.0	0.945	1.664	32.2	18.8	118 W	58	51
10 13	4 59.58	+12 25.7	0.868	1.648	30.2	18.6	124 W	57	52
10 23	5 9.79	+11 15.1	0.801	1.636	27.3	18.3	131 W	56	53
10 28	5 13.49	+10 37.3	0.771	1.632	25.6	18.2	135 W	56	53
11 2	5 16.18	+ 9 59.1	0.745	1.628	23.7	18.0	139 W	55	54
11 7	5 17.82	+ 9 21.6	0.722	1.626	21.6	17.9	143 W	54	55
11 12	5 18.43	+ 8 46.1	0.702	1.625	19.3	17.8	147 W	54	55
11 17	5 18.07	+ 8 14.0	0.686	1.625	16.9	17.6	151 W	53	56
11 22	5 16.83	+ 7 46.6	0.674	1.626	14.6	17.5	156 W	53	56
11 27	5 14.84	+ 7 25.0	0.666	1.628	12.3	17.4	159 W	52	57
12 2	5 12.29	+ 7 10.4	0.663	1.631	10.5	17.3	162 W	52	57
12 7	5 9.39	+ 7 3.4	0.665	1.635	9.5	17.3	164 W	52	57
12 12	5 6.40	+ 7 4.8	0.671	1.640	9.6	17.3	164 E	52	57
12 22	5 1.13	+ 7 31.6	0.697	1.653	12.5	17.6	159 E	53	56
1 1	4 58.09	+ 8 26.7	0.742	1.670	16.8	17.9	151 E	53	56
1 11	4 58.33	+ 9 42.2	0.803	1.690	21.0	18.2	142 E	55	54
1 21	5 2.23	+11 9.1	0.880	1.715	24.5	18.5	134 E	56	53

396593 2001 HC

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	23 34.22	−23 51.1	1.177	1.001	54.3	21.3	54 W	—	45*
5 1	23 58.37	−21 14.5	1.151	0.961	56.1	21.3	52 W	—	43*
5 6	0 22.75	−18 16.5	1.130	0.919	57.9	21.2	50 W	—	42*
5 11	0 47.31	−14 57.1	1.115	0.874	59.6	21.1	48 W	—	40*
5 16	1 12.07	−11 17.5	1.106	0.827	61.0	21.0	46 W	—	38*
5 21	1 37.08	− 7 19.4	1.105	0.778	62.2	20.9	43 W	—	36*
5 26	2 2.45	− 3 5.2	1.111	0.727	62.8	20.8	40 W	—	33*
5 31	2 28.41	+ 1 21.7	1.126	0.674	62.8	20.6	36 W	—	30*
6 5	2 55.27	+ 5 57.0	1.149	0.621	61.7	20.5	33 W	—	27*
6 10	3 23.46	+10 35.1	1.181	0.569	59.2	20.3	29 W	2*	23*
6 15	3 53.55	+15 8.8	1.221	0.521	54.9	20.0	25 W	3*	18*
6 20	4 26.17	+19 28.2	1.267	0.480	48.6	19.7	21 W	4*	14*
6 25	5 1.87	+23 19.3	1.317	0.451	40.4	19.5	17 W	4*	9*
6 27	5 17.05	+24 40.1	1.337	0.444	36.7	19.4	15 W	4*	7*
6 29	5 32.70	+25 52.4	1.357	0.439	32.9	19.3	14 W	4*	4*
7 1	5 48.76	+26 55.2	1.376	0.438	29.2	19.2	12 W	4*	2*
7 3	6 5.15	+27 47.6	1.395	0.440	25.6	19.1	11 W	4*	—
7 5	6 21.75	+28 29.0	1.413	0.444	22.4	19.1	10 W	3*	—
7 7	6 38.45	+28 59.0	1.430	0.452	19.7	19.0	9 W	3*	—
7 9	6 55.10	+29 17.6	1.447	0.462	17.7	19.1	8 W	2*	—
7 11	7 11.60	+29 25.2	1.463	0.474	16.4	19.1	8 W	1*	—
7 13	7 27.83	+29 22.2	1.478	0.489	15.8	19.2	8 W	—	—
7 15	7 43.69	+29 9.4	1.494	0.505	15.7	19.2	8 E	1*	—
7 17	7 59.11	+28 47.6	1.508	0.523	16.1	19.4	8 E	2*	—
7 19	8 14.03	+28 17.8	1.523	0.541	16.7	19.5	9 E	3*	—
7 21	8 28.43	+27 41.0	1.538	0.561	17.4	19.6	9 E	3*	—
7 23	8 42.28	+26 58.0	1.552	0.581	18.1	19.7	10 E	4*	—
7 25	8 55.57	+26 9.7	1.567	0.602	18.7	19.8	11 E	5*	—
7 27	9 8.32	+25 17.0	1.582	0.623	19.3	19.9	12 E	5*	—
7 29	9 20.53	+24 20.6	1.598	0.644	19.8	20.1	12 E	5*	1*
7 31	9 32.23	+23 21.1	1.613	0.665	20.2	20.2	13 E	6*	2*
8 2	9 43.43	+22 19.2	1.629	0.686	20.5	20.3	14 E	6*	3*
8 4	9 54.17	+21 15.4	1.645	0.707	20.7	20.4	14 E	6*	4*
8 9	10 19.13	+18 30.5	1.687	0.759	20.9	20.6	15 E	6*	6*
8 14	10 41.77	+15 42.0	1.729	0.809	20.7	20.8	16 E	6*	8*
8 19	11 2.45	+12 53.7	1.773	0.857	20.2	20.9	17 E	6*	9*
8 24	11 21.52	+10 8.2	1.817	0.903	19.4	21.1	17 E	5*	10*
8 29	11 39.27	+ 7 26.9	1.861	0.946	18.6	21.2	17 E	5*	10*
9 3	11 55.94	+ 4 50.6	1.904	0.987	17.6	21.3	17 E	4*	10*
9 8	12 11.75	+ 2 19.8	1.947	1.025	16.5	21.4	17 E	3*	10*
9 13	12 26.84	− 0 5.2	1.988	1.060	15.4	21.5	16 E	2*	10*

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	23 51.16	− 7 20.8	2.218	1.601	24.4	21.5	41 W	4*	35*
5 6	0 18.87	− 4 33.2	2.133	1.560	26.3	21.4	43 W	5*	37*
5 16	0 47.17	− 1 39.9	2.053	1.521	28.2	21.3	45 W	6*	39*
5 26	1 16.13	+ 1 16.2	1.978	1.485	29.9	21.2	47 W	8*	41*
6 5	1 45.80	+ 4 12.0	1.910	1.453	31.5	21.2	49 W	11*	42*
6 15	2 16.22	+ 7 4.0	1.848	1.425	33.1	21.1	50 W	14*	42*
6 25	2 47.35	+ 9 48.1	1.793	1.402	34.4	21.0	51 W	18*	42*
7 5	3 19.15	+12 20.6	1.744	1.384	35.6	21.0	52 W	22*	41*
7 15	3 51.49	+14 37.8	1.701	1.372	36.7	20.9	54 W	26*	40*
7 25	4 24.17	+16 36.4	1.663	1.366	37.6	20.9	55 W	31*	39*
8 4	4 56.94	+18 14.2	1.629	1.366	38.4	20.9	57 W	35*	38*
8 14	5 29.50	+19 30.1	1.597	1.372	39.0	20.9	58 W	40*	37*
8 24	6 1.49	+20 24.0	1.567	1.384	39.5	20.8	60 W	44*	36*
9 3	6 32.59	+20 57.5	1.538	1.402	39.8	20.8	63 W	48*	35*
9 13	7 2.45	+21 12.9	1.507	1.425	40.0	20.8	66 W	51*	35*
9 23	7 30.78	+21 13.7	1.474	1.453	40.1	20.8	69 W	55*	35*
10 3	7 57.34	+21 3.9	1.438	1.485	40.0	20.8	73 W	58*	35*
10 13	8 21.86	+20 48.4	1.399	1.521	39.7	20.8	77 W	62*	36*
10 23	8 44.13	+20 32.0	1.356	1.560	39.1	20.8	82 W	64*	37*
11 2	9 3.94	+20 19.8	1.310	1.601	38.2	20.7	87 W	65*	38*
11 12	9 20.97	+20 17.2	1.260	1.645	36.9	20.7	93 W	65	40*
11 22	9 34.92	+20 29.2	1.208	1.690	35.1	20.6	100 W	65	42*
12 2	9 45.38	+21 0.3	1.156	1.736	32.7	20.5	108 W	66	43*
12 12	9 51.85	+21 54.1	1.107	1.784	29.5	20.4	117 W	67	42
12 22	9 53.91	+23 11.6	1.065	1.832	25.5	20.2	127 W	68	41
12 27	9 53.18	+23 58.4	1.048	1.856	23.2	20.1	132 W	69	40
1 1	9 51.26	+24 49.5	1.034	1.880	20.7	20.1	137 W	70	39
1 6	9 48.16	+25 43.7	1.024	1.904	18.0	20.0	143 W	71	38
1 11	9 43.97	+26 39.2	1.019	1.929	15.3	19.9	149 W	72	37
1 16	9 38.84	+27 34.1	1.019	1.953	12.6	19.8	154 W	73	36
1 21	9 32.93	+28 26.3	1.024	1.977	10.0	19.8	160 W	73	36

434786 2006 PW

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 26	23 55.54	− 7 46.4	1.935	1.337	29.1	21.4	40 W	3*	34*
5 6	0 30.05	− 6 16.0	1.788	1.235	33.0	21.2	42 W	2*	36*
5 16	1 9.28	− 4 29.5	1.651	1.126	37.0	20.9	42 W	1*	36*
5 26	1 54.31	− 2 22.2	1.530	1.011	40.9	20.7	41 W	—	35*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
434786 2006 *PW* *(continuation)*									
6 5	2 46.03	+ 0 11.6	1.436	0.889	44.5	20.3	38 W	—	32*
6 15	3 44.72	+ 3 15.1	1.379	0.764	46.4	20.0	33 W	—	27*
6 25	4 49.59	+ 6 47.8	1.367	0.641	44.7	19.5	26 W	—	20*
7 5	5 59.14	+10 43.7	1.400	0.538	36.2	19.0	18 W	—	12*
7 10	6 35.14	+12 45.8	1.428	0.502	28.7	18.6	14 W	—	7*
7 15	7 11.58	+14 45.1	1.460	0.483	19.4	18.3	9 W	—	2*
7 20	7 48.07	+16 34.5	1.491	0.485	9.8	18.0	5 W	—	—
7 25	8 24.08	+18 6.2	1.519	0.506	4.7	17.9	2 E	—	—
7 30	8 59.11	+19 14.1	1.546	0.544	10.0	18.4	5 E	—	—
8 4	9 32.79	+19 55.3	1.573	0.593	15.7	18.8	9 E	2*	1*
8 9	10 4.86	+20 10.4	1.601	0.650	19.8	19.2	13 E	5*	3*
8 14	10 35.19	+20 2.0	1.632	0.710	22.6	19.5	16 E	8*	4*
8 19	11 3.72	+19 33.7	1.665	0.773	24.3	19.8	18 E	11*	6*
8 24	11 30.46	+18 49.3	1.703	0.835	25.2	20.0	21 E	13*	7*
8 29	11 55.50	+17 52.6	1.744	0.898	25.5	20.2	22 E	15*	9*
9 3	12 18.92	+16 46.9	1.788	0.959	25.4	20.4	24 E	16*	10*
9 8	12 40.86	+15 35.0	1.835	1.019	25.0	20.6	25 E	17*	10*
9 13	13 1.44	+14 19.3	1.884	1.077	24.4	20.8	26 E	18*	11*
9 18	13 20.79	+13 2.0	1.935	1.134	23.6	20.9	27 E	19*	11*
9 23	13 39.05	+11 44.4	1.988	1.189	22.8	21.1	27 E	20*	11*
9 28	13 56.33	+10 27.8	2.042	1.242	21.9	21.2	28 E	20*	10*
10 3	14 12.75	+ 9 12.9	2.096	1.294	20.9	21.3	27 E	20*	10*
10 8	14 28.40	+ 8 0.7	2.151	1.343	19.9	21.4	27 E	20*	9*
497614 2006 QQ_7									
5 6	0 14.00	+ 0 19.2	2.145	1.551	25.8	21.5	42 W	9*	36*
5 16	0 40.07	+ 3 34.8	2.099	1.549	27.2	21.5	44 W	11*	38*
5 26	1 5.97	+ 6 46.3	2.055	1.551	28.5	21.5	47 W	14*	39*
6 5	1 31.70	+ 9 50.9	2.013	1.557	29.7	21.5	49 W	18*	40*
6 15	1 57.28	+12 46.0	1.971	1.568	30.7	21.5	52 W	21*	41*
6 25	2 22.64	+15 29.4	1.929	1.582	31.7	21.5	55 W	26*	41*
7 5	2 47.72	+17 59.5	1.887	1.600	32.6	21.5	58 W	31*	40*
7 15	3 12.40	+20 15.1	1.843	1.622	33.3	21.5	61 W	37*	40*
7 25	3 36.49	+22 15.7	1.797	1.647	34.0	21.5	65 W	43*	39*
8 4	3 59.81	+24 1.4	1.748	1.675	34.4	21.5	69 W	49*	38*
8 14	4 22.06	+25 32.8	1.696	1.706	34.6	21.4	73 W	55*	37*
8 24	4 42.96	+26 51.3	1.641	1.739	34.7	21.4	78 W	61*	36*
9 3	5 2.15	+27 58.9	1.582	1.773	34.4	21.4	83 W	67*	36*
9 13	5 19.22	+28 57.6	1.520	1.810	33.8	21.3	89 W	72*	35*
9 23	5 33.71	+29 50.1	1.457	1.848	32.7	21.2	96 W	75*	34*
10 3	5 45.13	+30 39.0	1.393	1.887	31.1	21.1	103 W	76	33
10 13	5 52.89	+31 26.0	1.331	1.927	28.9	21.0	111 W	76	33
10 23	5 56.48	+32 12.1	1.273	1.968	26.0	20.9	120 W	77	32
11 2	5 55.45	+32 56.0	1.223	2.009	22.3	20.7	130 W	78	31
11 12	5 49.67	+33 33.9	1.187	2.050	17.9	20.6	141 W	79	30
11 22	5 39.66	+33 59.8	1.168	2.092	12.8	20.4	152 W	79	30
11 27	5 33.43	+34 6.3	1.167	2.113	10.3	20.3	158 W	79	30
12 2	5 26.67	+34 7.6	1.171	2.134	7.8	20.2	163 W	79	30
12 7	5 19.65	+34 3.5	1.182	2.154	5.8	20.2	167 W	79	30
12 12	5 12.65	+33 54.2	1.200	2.175	4.9	20.2	169 E	79	30
12 17	5 5.96	+33 40.1	1.225	2.196	5.6	20.3	168 E	79	30
12 22	4 59.79	+33 22.2	1.256	2.216	7.3	20.5	163 E	78	31
12 27	4 54.34	+33 1.3	1.293	2.237	9.3	20.6	158 E	78	31
1 1	4 49.75	+32 38.6	1.336	2.257	11.4	20.8	153 E	78	31
1 6	4 46.11	+32 15.0	1.386	2.277	13.4	21.0	148 E	77	32
1 11	4 43.47	+31 51.6	1.441	2.298	15.2	21.1	142 E	77	32
1 16	4 41.82	+31 29.0	1.500	2.318	16.9	21.3	137 E	76	33
1 21	4 41.14	+31 7.7	1.564	2.338	18.3	21.5	132 E	76	33
210718 2000 ST_{252}									
5 6	0 17.16	− 4 54.2	3.932	3.278	12.3	21.5	44 W	5*	38*
5 16	0 29.20	− 3 44.7	3.794	3.240	13.9	21.4	50 W	8*	44*
5 26	0 40.97	− 2 38.8	3.647	3.202	15.3	21.4	57 W	12*	50*
6 5	0 52.38	− 1 37.3	3.491	3.164	16.6	21.3	63 W	16*	55*
6 15	1 3.34	− 0 41.1	3.329	3.125	17.7	21.2	70 W	21*	59*
6 25	1 13.73	+ 0 9.0	3.163	3.087	18.7	21.1	76 W	26*	62*
7 5	1 23.42	+ 0 52.2	2.993	3.048	19.4	21.0	83 W	32*	63*
7 15	1 32.23	+ 1 27.6	2.822	3.009	19.7	20.8	91 W	38*	63
7 25	1 39.97	+ 1 54.3	2.653	2.971	19.8	20.7	98 W	43*	62
8 4	1 46.40	+ 2 11.5	2.487	2.932	19.4	20.5	106 W	46*	62
8 14	1 51.26	+ 2 18.4	2.327	2.894	18.6	20.3	114 W	47	62
8 24	1 54.29	+ 2 14.8	2.177	2.856	17.3	20.1	123 W	47	62
9 3	1 55.23	+ 2 0.6	2.039	2.818	15.4	19.8	132 W	47	62
9 13	1 53.89	+ 1 36.7	1.917	2.780	12.9	19.6	142 W	47	62
9 23	1 50.26	+ 1 5.0	1.815	2.743	9.8	19.3	152 W	46	63
10 3	1 44.55	+ 0 29.1	1.735	2.706	6.4	19.0	162 W	45	64
10 8	1 41.05	+ 0 10.9	1.705	2.688	4.8	18.9	167 W	45	64
10 13	1 37.25	− 0 6.4	1.682	2.670	3.7	18.8	170 W	45	64
10 18	1 33.26	− 0 22.1	1.665	2.652	3.7	18.8	170 W	45	64
10 23	1 29.19	− 0 35.6	1.655	2.634	4.9	18.8	167 E	44	65

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
210718 2000 ST_{252} *(continuation)*									
11 2	1 21.35	− 0 53.2	1.656	2.600	8.5	19.0	157 E	44	65
11 12	1 14.69	− 0 55.1	1.681	2.565	12.3	19.1	146 E	44	65
11 22	1 10.03	− 0 38.9	1.728	2.532	15.8	19.3	136 E	44	65
12 2	1 7.85	− 0 4.6	1.793	2.500	18.7	19.4	126 E	45	64
12 12	1 8.35	+ 0 46.6	1.872	2.468	21.0	19.6	116 E	46	63
12 22	1 11.53	+ 1 52.7	1.960	2.438	22.7	19.7	107 E	47	62*
1 1	1 17.19	+ 3 11.4	2.054	2.409	23.8	19.8	99 E	48	59*
1 11	1 25.15	+ 4 40.4	2.152	2.381	24.4	19.9	91 E	50	54*
1 21	1 35.14	+ 6 17.4	2.250	2.355	24.5	20.0	84 E	51	49*
483453 2002 AN_{11}									
5 6	0 32.12	+16 31.1	2.024	1.306	25.2	21.5	33 W	17*	23*
5 11	0 48.84	+18 30.7	2.001	1.290	25.8	21.4	34 W	18*	22*
5 16	1 6.06	+20 26.9	1.981	1.276	26.3	21.4	34 W	19*	22*
5 21	1 23.80	+22 18.4	1.963	1.263	26.8	21.4	34 W	19*	22*
5 26	1 42.05	+24 4.1	1.948	1.250	27.2	21.4	34 W	20*	21*
5 31	2 0.84	+25 42.9	1.934	1.240	27.6	21.3	35 W	20*	20*
6 5	2 20.13	+27 13.5	1.923	1.231	27.9	21.3	35 W	21*	20*
6 10	2 39.90	+28 34.9	1.913	1.223	28.2	21.3	35 W	21*	19*
6 15	3 0.09	+29 46.0	1.906	1.217	28.4	21.3	35 W	22*	18*
6 20	3 20.62	+30 45.9	1.900	1.212	28.5	21.3	35 W	22*	18*
6 25	3 41.41	+31 34.0	1.896	1.209	28.7	21.3	35 W	23*	17*
6 30	4 2.36	+32 9.7	1.893	1.208	28.8	21.3	35 W	24*	17*
7 5	4 23.34	+32 32.7	1.892	1.209	28.8	21.3	35 W	24*	16*
7 10	4 44.25	+32 43.1	1.891	1.211	28.9	21.3	35 W	25*	16*
7 15	5 4.95	+32 41.1	1.891	1.215	29.0	21.3	35 W	25*	16*
7 20	5 25.32	+32 26.9	1.892	1.220	29.1	21.3	36 W	26*	15*
7 25	5 45.28	+32 1.2	1.893	1.227	29.1	21.3	36 W	27*	15*
7 30	6 4.73	+31 24.7	1.894	1.236	29.3	21.3	37 W	27*	16*
8 4	6 23.62	+30 38.3	1.895	1.246	29.4	21.3	37 W	28*	16*
8 9	6 41.88	+29 42.8	1.896	1.258	29.5	21.4	38 W	29*	16*
8 14	6 59.49	+28 39.1	1.897	1.271	29.7	21.4	38 W	30*	17*
8 19	7 16.42	+27 28.1	1.897	1.285	29.9	21.4	39 W	30*	17*
8 24	7 32.68	+26 10.8	1.896	1.300	30.1	21.5	40 W	31*	18*
8 29	7 48.28	+24 47.8	1.894	1.316	30.4	21.5	41 W	32*	19*
482798 2013 QK_{48}									
5 6	0 45.46	+12 46.6	0.858	0.516	90.9	19.7	31 W	12*	22*
5 8	0 43.13	+12 2.8	0.884	0.556	85.8	19.8	33 W	13*	25*
5 10	0 41.74	+11 24.0	0.909	0.596	81.4	19.8	36 W	14*	27*
5 12	0 41.06	+10 49.7	0.933	0.635	77.7	19.9	38 W	14*	30*
5 14	0 40.93	+10 19.0	0.955	0.674	74.5	19.9	40 W	15*	32*
5 16	0 41.20	+ 9 51.4	0.975	0.712	71.7	20.0	42 W	16*	33*
5 21	0 43.07	+ 8 52.9	1.020	0.804	66.2	20.2	47 W	17*	38*
5 26	0 45.89	+ 8 4.3	1.055	0.892	62.0	20.4	51 W	19*	42*
5 31	0 49.08	+ 7 21.5	1.082	0.975	58.8	20.5	55 W	20*	45*
6 5	0 52.28	+ 6 41.3	1.101	1.055	56.1	20.7	60 W	22*	49*
6 10	0 55.25	+ 6 1.3	1.113	1.131	53.8	20.8	64 W	24*	52*
6 15	0 57.83	+ 5 19.8	1.119	1.204	51.7	20.9	68 W	26*	55*
6 20	0 59.88	+ 4 35.3	1.120	1.274	49.7	20.9	73 W	29*	57*
6 25	1 1.30	+ 3 46.5	1.115	1.341	47.8	21.0	78 W	31*	60*
6 30	1 1.99	+ 2 52.5	1.107	1.406	45.8	21.0	83 W	34*	61*
7 5	1 1.84	+ 1 52.0	1.096	1.468	43.8	21.0	88 W	36*	62
7 10	1 0.75	+ 0 44.3	1.082	1.528	41.6	21.0	93 W	38*	63
7 15	0 58.63	− 0 31.6	1.066	1.585	39.3	21.0	99 W	40*	65
7 20	0 55.39	− 1 56.0	1.051	1.641	36.7	21.0	105 W	41*	66
7 25	0 50.96	− 3 29.0	1.036	1.695	33.9	20.9	111 W	41*	67
7 30	0 45.29	− 5 10.5	1.023	1.747	30.9	20.9	118 W	40*	69
8 4	0 38.35	− 6 59.5	1.012	1.797	27.6	20.8	125 W	38	71
8 9	0 30.17	− 8 54.5	1.006	1.846	24.1	20.8	132 W	36	73
8 14	0 20.84	−10 53.0	1.006	1.892	20.5	20.7	139 W	34	75
8 19	0 10.52	−12 51.9	1.012	1.938	16.8	20.7	146 W	32	77
8 24	23 59.46	−14 47.7	1.025	1.982	13.2	20.6	153 W	30	79
8 29	23 47.94	−16 36.9	1.047	2.024	10.0	20.6	160 W	28	81
9 3	23 36.30	−18 16.4	1.077	2.066	7.7	20.6	164 W	27	82
9 8	23 24.87	−19 43.7	1.115	2.105	7.0	20.7	165 W	25	84
9 13	23 14.00	−20 57.6	1.162	2.144	8.0	20.8	163 E	24	85
9 18	23 3.95	−21 57.5	1.217	2.181	9.9	21.1	158 E	23	86
9 23	22 54.91	−22 44.0	1.279	2.217	12.1	21.3	152 E	22	87
9 28	22 47.02	−23 18.1	1.348	2.252	14.2	21.5	147 E	22	87
10 3	22 40.32	−23 41.2	1.422	2.286	16.1	21.7	141 E	21	88
10 8	22 34.82	−23 54.7	1.503	2.319	17.8	21.9	135 E	21	88
494999 2010 JU_{39}									
5 6	0 53.40	− 7 15.9	1.112	0.692	63.1	21.4	38 W	—	31*
5 11	1 28.72	− 4 56.0	1.124	0.633	63.1	21.2	34 W	—	27*
5 16	2 4.42	− 2 8.7	1.150	0.575	61.5	21.0	30 W	—	23*
5 21	2 40.11	+ 1 5.3	1.191	0.520	57.5	20.7	26 W	—	18*
5 26	3 15.59	+ 4 44.5	1.243	0.472	50.7	20.4	21 W	—	13*
5 31	3 50.88	+ 8 45.7	1.303	0.436	40.8	20.1	16 W	—	9*
6 5	4 26.07	+13 1.1	1.363	0.418	28.3	19.7	11 W	—	4*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
494999 2010 JU_{39} *(continuation)*									
6 7	4 40.13	+14 44.2	1.386	0.417	23.0	19.6	9 W	—	2*
6 9	4 54.17	+16 26.2	1.407	0.420	17.8	19.5	7 W	—	—
6 11	5 8.19	+18 5.8	1.427	0.427	12.8	19.4	5 W	—	—
6 13	5 22.17	+19 42.0	1.446	0.437	8.3	19.3	4 W	—	—
6 15	5 36.11	+21 13.8	1.463	0.449	4.9	19.2	2 E	—	—
6 17	5 49.99	+22 40.4	1.478	0.465	4.6	19.3	2 E	—	—
6 19	6 3.81	+24 1.1	1.493	0.482	6.9	19.5	3 E	—	—
6 21	6 17.55	+25 15.6	1.507	0.501	9.8	19.7	5 E	—	—
6 23	6 31.21	+26 23.4	1.520	0.522	12.5	19.9	6 E	—	—
6 25	6 44.77	+27 24.6	1.532	0.543	14.9	20.1	8 E	1*	—
6 30	7 18.18	+29 28.1	1.561	0.600	19.6	20.5	11 E	5*	—
7 5	7 50.69	+30 51.2	1.591	0.658	22.9	20.9	15 E	8*	1*
7 10	8 22.04	+31 37.3	1.620	0.716	24.9	21.2	17 E	10*	2*
7 15	8 51.99	+31 50.9	1.651	0.773	26.2	21.4	20 E	13*	4*
197588 2004 HE_{12}									
5 6	0 59.65	+26 19.9	2.719	1.886	14.5	21.5	28 W	19*	12*
5 16	1 20.94	+29 54.7	2.613	1.828	16.7	21.4	31 W	22*	13*
5 26	1 44.49	+33 37.0	2.504	1.767	19.0	21.3	35 W	25*	14*
6 5	2 10.98	+37 23.9	2.394	1.705	21.3	21.2	38 W	29*	14*
6 15	2 41.35	+41 10.4	2.284	1.641	23.4	21.1	40 W	32*	12*
6 25	3 16.69	+44 47.9	2.179	1.576	25.5	20.9	42 W	35*	10*
7 5	3 58.23	+48 2.5	2.080	1.510	27.5	20.8	43 W	37*	7*
7 15	4 46.84	+50 34.6	1.989	1.443	29.3	20.7	44 W	38*	4*
7 25	5 42.08	+51 59.4	1.910	1.377	30.9	20.5	44 W	38*	1*
8 4	6 41.46	+51 53.1	1.844	1.311	32.2	20.4	44 W	37*	—
8 6	6 53.45	+51 39.5	1.832	1.298	32.5	20.4	43 W	37*	—
8 8	7 5.40	+51 21.7	1.821	1.285	32.7	20.3	43 W	36*	—
8 10	7 17.26	+50 59.6	1.810	1.272	32.9	20.3	43 W	36*	—
8 12	7 28.99	+50 33.3	1.800	1.259	33.1	20.3	43 W	36*	—
8 14	7 40.56	+50 2.8	1.791	1.247	33.2	20.2	42 W	35*	—
8 19	8 8.60	+48 29.1	1.769	1.216	33.6	20.2	42 W	34*	—
8 24	8 35.12	+46 31.7	1.750	1.186	33.8	20.1	41 W	33*	—
8 29	8 59.92	+44 13.0	1.735	1.157	34.0	20.0	40 W	32*	—
9 3	9 22.95	+41 35.7	1.722	1.129	34.0	20.0	39 W	31*	—
9 8	9 44.25	+38 42.4	1.712	1.103	34.0	19.9	38 W	30*	—
9 13	10 3.94	+35 35.6	1.704	1.079	33.8	19.8	37 W	29*	—
9 18	10 22.18	+32 17.4	1.698	1.057	33.6	19.8	36 W	28*	—
9 23	10 39.17	+28 49.7	1.693	1.038	33.3	19.7	35 W	28*	—
9 28	10 55.08	+25 14.3	1.690	1.021	33.0	19.7	34 W	27*	—
10 3	11 10.09	+21 32.5	1.688	1.007	32.7	19.6	33 W	27*	1*
10 8	11 24.37	+17 45.6	1.686	0.996	32.4	19.6	32 W	26*	3*
10 13	11 38.07	+13 54.6	1.686	0.989	32.1	19.6	32 W	26*	5*
10 18	11 51.34	+10 0.6	1.685	0.985	31.9	19.6	32 W	25*	7*
10 23	12 4.30	+ 6 4.6	1.686	0.985	31.8	19.6	31 W	25*	10*
10 28	12 17.08	+ 2 7.3	1.686	0.988	31.8	19.6	32 W	24*	12*
11 2	12 29.80	− 1 50.2	1.687	0.995	31.8	19.6	32 W	23*	15*
11 7	12 42.56	− 5 47.1	1.689	1.005	32.0	19.6	32 W	22*	17*
11 12	12 55.43	− 9 42.2	1.691	1.018	32.1	19.6	33 W	21*	20*
11 17	13 8.53	−13 34.5	1.694	1.034	32.3	19.7	34 W	19*	22*
11 22	13 21.93	−17 23.1	1.697	1.053	32.5	19.7	35 W	17*	25*
11 27	13 35.72	−21 6.9	1.702	1.075	32.7	19.8	36 W	15*	27*
12 2	13 49.98	−24 44.8	1.708	1.098	32.9	19.8	37 W	13*	29*
12 7	14 4.78	−28 15.8	1.714	1.124	33.0	19.9	38 W	11*	31*
12 12	14 20.19	−31 38.6	1.722	1.151	33.1	20.0	40 W	8*	33*
12 17	14 36.28	−34 52.4	1.731	1.180	33.1	20.0	41 W	6*	35*
12 22	14 53.11	−37 56.0	1.741	1.210	33.1	20.1	42 W	3*	36*
12 27	15 10.73	−40 48.6	1.752	1.241	33.1	20.2	44 W	1*	37*
1 1	15 29.19	−43 29.3	1.764	1.272	33.0	20.2	45 W	—	38*
1 6	15 48.48	−45 57.4	1.776	1.305	32.9	20.3	46 W	—	39*
1 11	16 8.59	−48 12.2	1.788	1.337	32.8	20.4	47 W	—	40*
1 16	16 29.48	−50 13.2	1.801	1.370	32.7	20.4	49 W	—	40*
1 21	16 51.08	−52 0.2	1.814	1.403	32.5	20.5	50 W	—	40*
303946 2005 XR_{28}									
5 6	1 1.89	−13 0.5	2.848	2.175	17.4	21.5	40 W	—	31*
5 16	1 22.46	−11 37.4	2.753	2.144	19.1	21.4	44 W	—	36*
5 26	1 43.18	−10 18.6	2.653	2.113	20.9	21.4	48 W	—	41*
6 5	2 4.06	− 9 5.1	2.551	2.082	22.5	21.3	52 W	—	45*
6 15	2 25.07	− 7 58.1	2.446	2.051	24.1	21.2	56 W	2*	49*
6 25	2 46.19	− 6 58.7	2.340	2.019	25.6	21.1	59 W	6*	53*
7 5	3 7.37	− 6 7.5	2.233	1.988	27.1	21.1	63 W	11*	56*
7 15	3 28.54	− 5 25.5	2.125	1.957	28.5	20.9	67 W	16*	59*
7 25	3 49.61	− 4 53.2	2.017	1.926	29.7	20.8	70 W	21*	61*
8 4	4 10.48	− 4 30.8	1.910	1.895	30.9	20.7	74 W	25*	63*
8 14	4 31.00	− 4 18.3	1.803	1.865	32.0	20.6	77 W	30*	65*
8 24	4 51.01	− 4 15.0	1.697	1.836	33.0	20.5	81 W	34*	66*
9 3	5 10.34	− 4 20.1	1.591	1.808	33.8	20.3	85 W	37*	67*
9 13	5 28.75	− 4 31.8	1.486	1.781	34.4	20.1	89 W	39*	68*
9 23	5 45.99	− 4 47.6	1.382	1.755	34.8	20.0	93 W	40*	69*
10 3	6 1.76	− 5 4.0	1.279	1.731	34.9	19.8	98 W	40	69*
303946 2005 XR_{28} *(continuation)*									
10 8	6 8.98	− 5 11.1	1.228	1.720	34.8	19.7	101 W	40	69
10 13	6 15.68	− 5 16.5	1.177	1.708	34.6	19.5	103 W	40	69
10 18	6 21.82	− 5 19.2	1.127	1.698	34.3	19.4	106 W	40	69
10 23	6 27.33	− 5 18.3	1.078	1.688	33.9	19.3	109 W	40	69
10 28	6 32.16	− 5 12.7	1.029	1.678	33.3	19.2	112 W	40	69
11 2	6 36.22	− 5 1.0	0.981	1.669	32.4	19.0	116 W	40	69
11 7	6 39.42	− 4 41.8	0.935	1.661	31.4	18.9	119 W	40	69
11 12	6 41.70	− 4 13.1	0.890	1.653	30.1	18.7	123 W	41	68
11 17	6 43.00	− 3 33.2	0.848	1.646	28.6	18.6	127 W	41	68
11 22	6 43.24	− 2 40.0	0.807	1.640	26.7	18.4	132 W	42	67
11 27	6 42.36	− 1 31.6	0.770	1.634	24.5	18.2	137 W	43	66
12 2	6 40.34	− 0 6.1	0.735	1.629	22.0	18.1	142 W	45	64
12 7	6 37.17	+ 1 38.0	0.705	1.624	19.1	17.9	147 W	47	62
12 12	6 32.94	+ 3 41.6	0.680	1.620	15.9	17.7	153 W	49	60
12 17	6 27.78	+ 6 3.8	0.660	1.617	12.6	17.5	159 W	51	58
12 22	6 21.88	+ 8 42.7	0.646	1.615	9.4	17.3	164 W	54	55
12 27	6 15.49	+11 34.7	0.638	1.613	7.2	17.2	168 E	57	52
1 1	6 8.94	+14 34.8	0.638	1.613	7.2	17.2	168 E	60	49
1 6	6 2.57	+17 37.5	0.644	1.613	9.6	17.3	164 E	63	46
1 11	5 56.74	+20 37.1	0.657	1.613	12.8	17.5	159 E	66	43
1 16	5 51.79	+23 28.9	0.676	1.615	16.3	17.7	153 E	68	41
1 21	5 47.93	+26 9.4	0.702	1.617	19.6	17.9	147 E	71	38
140333 2001 TD_2									
5 6	1 11.24	− 8 17.0	0.736	0.587	98.7	20.9	35 W	—	27*
5 8	1 12.51	− 8 15.4	0.765	0.603	94.3	20.9	37 W	—	29*
5 10	1 14.23	− 8 6.3	0.793	0.621	90.4	20.9	38 W	—	31*
5 12	1 16.32	− 7 51.1	0.819	0.639	86.8	20.8	39 W	—	32*
5 14	1 18.73	− 7 31.0	0.845	0.657	83.5	20.8	40 W	—	33*
5 16	1 21.38	− 7 6.8	0.870	0.676	80.6	20.9	41 W	—	34*
5 18	1 24.24	− 6 39.5	0.894	0.695	78.0	20.9	42 W	—	36*
5 20	1 27.26	− 6 9.8	0.917	0.714	75.6	20.9	43 W	—	37*
5 22	1 30.41	− 5 38.0	0.938	0.733	73.4	21.0	44 W	—	38*
5 24	1 33.68	− 5 4.7	0.958	0.752	71.4	21.0	45 W	—	39*
5 26	1 37.02	− 4 30.3	0.978	0.772	69.6	21.0	46 W	1*	39*
5 31	1 45.65	− 3 0.8	1.020	0.819	65.8	21.1	48 W	3*	41*
6 5	1 54.49	− 1 29.0	1.056	0.866	62.8	21.2	49 W	5*	43*
6 10	2 3.40	+ 0 3.1	1.084	0.911	60.4	21.3	51 W	8*	45*
6 15	2 12.28	+ 1 34.3	1.106	0.954	58.5	21.4	53 W	11*	46*
376848 2001 RY_{47}									
5 6	1 12.12	− 7 49.9	0.693	0.589	103.4	21.3	35 W	—	27*
5 8	1 13.84	− 7 36.9	0.722	0.599	99.2	21.2	36 W	—	28*
5 10	1 16.01	− 7 16.7	0.750	0.611	95.2	21.1	37 W	—	30*
5 12	1 18.55	− 6 50.6	0.778	0.623	91.6	21.1	38 W	—	31*
5 14	1 21.42	− 6 19.7	0.805	0.636	88.3	21.1	39 W	—	32*
5 16	1 24.56	− 5 44.9	0.832	0.649	85.2	21.0	40 W	—	33*
5 18	1 27.93	− 5 6.8	0.857	0.663	82.4	21.1	41 W	—	34*
5 20	1 31.49	− 4 26.2	0.882	0.677	79.8	21.1	41 W	—	35*
5 22	1 35.21	− 3 43.7	0.905	0.692	77.4	21.1	42 W	—	36*
5 24	1 39.07	− 2 59.5	0.928	0.707	75.2	21.1	42 W	—	36*
5 26	1 43.04	− 2 14.2	0.949	0.722	73.2	21.1	43 W	1*	37*
5 31	1 53.34	− 0 17.6	0.999	0.761	68.9	21.2	44 W	4*	38*
6 5	2 4.02	+ 1 41.0	1.041	0.799	65.4	21.3	46 W	6*	40*
6 10	2 14.92	+ 3 39.4	1.078	0.837	62.5	21.4	47 W	9*	40*
6 15	2 25.96	+ 5 36.3	1.109	0.874	60.3	21.5	48 W	11*	41*
177049 2003 EE_{16}									
5 6	1 12.93	+ 7 33.9	1.369	0.635	43.6	21.3	26 W	4*	19*
5 11	1 44.68	+10 37.6	1.394	0.596	39.7	21.1	22 W	3*	16*
5 16	2 17.36	+13 31.0	1.426	0.566	34.4	20.9	18 W	1*	12*
5 21	2 50.83	+16 8.7	1.464	0.550	28.0	20.7	15 W	—	8*
5 26	3 24.77	+18 25.3	1.505	0.548	21.0	20.5	11 W	—	5*
5 31	3 58.75	+20 16.9	1.549	0.561	14.1	20.4	8 W	—	1*
6 5	4 32.26	+21 41.2	1.593	0.587	7.9	20.3	5 W	—	—
6 10	5 4.82	+22 38.0	1.639	0.625	2.9	20.2	2 W	—	—
6 15	5 36.05	+23 9.1	1.685	0.670	1.0	20.3	1 E	—	—
6 20	6 5.68	+23 17.3	1.733	0.720	3.8	20.7	3 E	—	—
6 25	6 33.59	+23 6.0	1.783	0.774	5.7	21.1	4 E	—	—
6 30	6 59.73	+22 38.6	1.835	0.829	6.9	21.3	6 E	—	—
517046 2013 AA_{53}									
5 6	1 16.45	+ 7 36.6	0.836	0.432	100.5	20.8	25 W	3*	19*
5 11	1 42.66	+ 5 17.7	0.956	0.429	84.5	20.4	25 W	—	19*
5 16	2 9.40	+ 4 27.0	1.079	0.451	69.2	20.3	25 W	—	18*
5 21	2 35.36	+ 4 36.9	1.198	0.495	56.4	20.3	24 W	—	17*
5 26	2 59.74	+ 5 20.9	1.308	0.552	46.7	20.5	23 W	—	17*
5 28	3 8.99	+ 5 43.6	1.350	0.577	43.6	20.5	23 W	—	16*
5 30	3 17.94	+ 6 8.0	1.390	0.602	40.8	20.6	23 W	—	16*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
517046 2013 AA_{53} *(continuation)*									
6 1	3 26.61	+ 6 33.3	1.428	0.629	38.4	20.7	23 W	—	16*
6 3	3 35.01	+ 6 59.2	1.465	0.656	36.3	20.8	23 W	—	16*
6 5	3 43.14	+ 7 25.2	1.501	0.683	34.4	20.9	22 W	—	16*
6 10	4 2.41	+ 8 29.0	1.586	0.751	30.7	21.1	22 W	—	16*
6 15	4 20.32	+ 9 29.2	1.663	0.818	28.0	21.3	22 W	—	16*
6 20	4 37.06	+10 24.5	1.733	0.884	26.1	21.5	22 W	—	16*
6 25	4 52.77	+11 14.4	1.797	0.948	24.7	21.7	23 W	—	17*
325102 2008 EY_5									
5 6	1 43.87	+11 56.7	0.901	0.303	102.1	21.0	17 W	2*	11*
5 8	1 56.49	+13 10.6	0.968	0.273	90.7	20.4	16 W	1*	9*
5 10	2 10.94	+14 26.3	1.038	0.249	76.4	19.8	14 W	1*	7*
5 12	2 27.44	+15 43.1	1.108	0.236	59.8	19.3	12 W	—	5*
5 14	2 45.78	+16 58.2	1.172	0.235	42.2	18.9	9 W	—	3*
5 16	3 5.25	+18 7.6	1.228	0.247	25.9	18.7	6 W	—	—
5 18	3 24.98	+19 8.1	1.273	0.270	12.4	18.5	3 W	—	—
5 20	3 44.33	+19 58.4	1.311	0.299	1.9	18.3	1 W	—	—
5 22	4 2.98	+20 38.7	1.342	0.332	6.0	18.8	2 E	—	—
5 24	4 20.80	+21 9.9	1.369	0.367	11.7	19.3	4 E	—	—
5 26	4 37.79	+21 33.0	1.393	0.401	16.0	19.7	6 E	—	—
5 28	4 53.96	+21 49.0	1.415	0.436	19.2	20.0	8 E	—	1*
5 30	5 9.38	+21 58.9	1.436	0.470	21.5	20.3	10 E	—	3*
6 1	5 24.09	+22 3.5	1.456	0.503	23.3	20.5	11 E	1*	4*
6 3	5 38.14	+22 3.4	1.476	0.534	24.6	20.7	13 E	2*	5*
6 5	5 51.57	+21 59.4	1.495	0.565	25.5	20.9	14 E	2*	6*
6 10	6 22.74	+21 34.8	1.542	0.636	26.7	21.3	16 E	3*	9*
6 15	6 50.91	+20 54.4	1.589	0.699	26.9	21.5	18 E	4*	11*
6 20	7 16.53	+20 2.9	1.634	0.756	26.6	21.8	19 E	4*	12*
6 25	7 40.03	+19 3.4	1.678	0.806	26.0	21.9	20 E	3*	13*
466507 2014 FK_{33}									
5 6	1 46.86	+ 4 47.4	1.295	0.485	44.6	21.5	20 W	—	13*
5 11	2 11.79	+10 4.6	1.366	0.488	35.6	21.4	16 W	—	10*
5 16	2 37.31	+15 3.2	1.433	0.507	27.5	21.3	13 W	—	7*
5 21	3 3.49	+19 34.8	1.494	0.538	21.3	21.4	11 W	1*	4*
5 26	3 30.26	+23 33.5	1.551	0.578	17.2	21.5	10 W	2*	1*
292165 2006 SC_6									
5 6	1 47.49	− 1 3.8	2.232	1.369	17.2	21.4	24 W	—	16*
5 16	2 17.34	+ 0 36.4	2.121	1.288	20.0	21.3	26 W	—	18*
5 26	2 50.03	+ 2 19.0	2.008	1.200	22.7	21.1	27 W	—	20*
6 5	3 26.23	+ 4 3.6	1.898	1.106	25.3	20.9	28 W	—	21*
6 15	4 6.69	+ 5 49.7	1.794	1.004	27.5	20.6	27 W	—	21*
6 25	4 52.14	+ 7 35.8	1.703	0.897	29.0	20.3	25 W	—	19*
7 5	5 43.27	+ 9 19.7	1.629	0.786	29.1	19.9	22 W	—	16*
7 15	6 40.51	+10 57.6	1.576	0.676	26.4	19.4	17 W	—	11*
7 25	7 43.84	+12 24.1	1.544	0.578	19.2	18.8	11 W	—	4*
7 30	8 17.58	+13 0.2	1.532	0.540	13.6	18.5	7 W	—	1*
8 4	8 52.42	+13 28.5	1.522	0.515	7.8	18.1	4 W	—	—
8 9	9 27.94	+13 45.9	1.512	0.504	7.6	18.1	4 E	—	—
8 14	10 3.62	+13 48.6	1.500	0.511	14.4	18.3	7 E	—	1*
8 19	10 38.91	+13 33.7	1.487	0.533	21.8	18.6	11 E	2*	4*
8 24	11 13.35	+12 59.7	1.476	0.567	28.0	19.0	15 E	6*	7*
8 29	11 46.62	+12 6.9	1.469	0.612	32.7	19.2	19 E	9*	10*
9 3	12 18.56	+10 57.4	1.467	0.662	35.9	19.5	23 E	12*	12*
9 8	12 49.06	+ 9 34.3	1.472	0.716	37.9	19.7	26 E	15*	15*
9 13	13 18.09	+ 8 1.1	1.483	0.771	38.8	19.9	29 E	17*	17*
9 18	13 45.64	+ 6 21.6	1.502	0.827	39.0	20.1	31 E	19*	19*
9 23	14 11.75	+ 4 39.1	1.528	0.883	38.7	20.3	33 E	20*	21*
9 28	14 36.49	+ 2 56.6	1.560	0.937	37.9	20.4	35 E	22*	23*
10 3	14 59.93	+ 1 16.3	1.598	0.991	36.8	20.6	36 E	23*	24*
10 8	15 22.17	− 0 19.8	1.642	1.042	35.6	20.7	37 E	23*	25*
10 13	15 43.27	− 1 50.3	1.689	1.093	34.2	20.9	38 E	24*	25*
10 18	16 3.35	− 3 14.5	1.741	1.141	32.8	21.0	38 E	24*	25*
10 23	16 22.47	− 4 31.7	1.795	1.188	31.3	21.1	38 E	24*	25*
10 28	16 40.74	− 5 41.7	1.852	1.234	29.8	21.2	38 E	24*	25*
11 2	16 58.23	− 6 44.6	1.911	1.277	28.3	21.3	38 E	24*	24*
11 7	17 15.02	− 7 40.5	1.970	1.319	26.8	21.4	37 E	23*	23*
11 12	17 31.16	− 8 29.5	2.031	1.359	25.3	21.5	36 E	23*	21*
351370 2005 EY									
5 6	1 48.66	+ 6 20.5	0.935	0.320	93.8	17.8	18 W	—	12*
5 7	1 49.60	+ 5 56.2	0.968	0.336	87.2	17.7	19 W	—	13*
5 8	1 50.95	+ 5 38.4	1.000	0.354	81.3	17.7	20 W	—	14*
5 9	1 52.63	+ 5 26.0	1.031	0.372	76.2	17.7	21 W	—	15*
5 10	1 54.55	+ 5 18.0	1.062	0.392	71.6	17.7	22 W	—	15*
5 11	1 56.66	+ 5 13.7	1.092	0.412	67.6	17.7	22 W	—	16*
5 12	1 58.90	+ 5 12.3	1.121	0.432	64.1	17.8	23 W	—	16*
5 13	2 1.25	+ 5 13.3	1.150	0.453	60.9	17.9	23 W	—	17*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
351370 2005 EY *(continuation)*									
5 14	2 3.67	+ 5 16.1	1.177	0.474	58.1	17.9	23 W	—	17*
5 15	2 6.13	+ 5 20.5	1.204	0.495	55.6	18.0	24 W	—	18*
5 16	2 8.62	+ 5 26.1	1.230	0.516	53.4	18.1	24 W	—	18*
5 18	2 13.64	+ 5 40.1	1.279	0.559	49.6	18.2	25 W	—	19*
5 20	2 18.63	+ 5 56.5	1.326	0.601	46.6	18.4	26 W	—	19*
5 22	2 23.56	+ 6 14.4	1.370	0.643	44.1	18.5	26 W	—	20*
5 24	2 28.40	+ 6 33.1	1.411	0.684	42.0	18.7	27 W	—	21*
5 26	2 33.13	+ 6 52.2	1.450	0.725	40.3	18.8	28 W	—	22*
5 31	2 44.44	+ 7 39.7	1.539	0.823	37.2	19.1	29 W	—	23*
6 5	2 55.01	+ 8 24.8	1.617	0.918	35.1	19.4	31 W	2*	25*
6 10	3 4.86	+ 9 6.5	1.685	1.009	33.8	19.7	34 W	4*	27*
6 15	3 14.04	+ 9 44.3	1.744	1.097	32.9	19.9	36 W	6*	29*
6 25	3 30.54	+10 48.5	1.838	1.262	31.9	20.3	41 W	11*	33*
7 5	3 44.78	+11 38.4	1.902	1.416	31.6	20.6	47 W	17*	37*
7 15	3 56.86	+12 15.4	1.941	1.561	31.4	20.8	53 W	24*	41*
7 25	4 6.74	+12 40.9	1.957	1.698	31.3	21.0	60 W	31*	45*
8 4	4 14.35	+12 55.9	1.952	1.828	30.9	21.2	68 W	39*	47*
8 14	4 19.46	+13 1.2	1.931	1.952	30.2	21.3	76 W	46*	50*
8 24	4 21.81	+12 57.5	1.896	2.070	29.1	21.3	85 W	52*	51*
9 3	4 21.09	+12 45.2	1.853	2.182	27.4	21.4	95 W	57*	51
9 13	4 17.00	+12 24.4	1.807	2.290	25.1	21.3	105 W	57	52
9 23	4 9.33	+11 55.4	1.766	2.393	22.0	21.3	117 W	57	52
10 3	3 58.14	+11 18.8	1.735	2.493	18.1	21.2	129 W	56	53
10 13	3 43.85	+10 36.0	1.725	2.589	13.6	21.1	142 W	56	53
10 23	3 27.40	+ 9 49.9	1.741	2.681	8.7	21.0	156 W	55	54
11 2	3 10.15	+ 9 4.5	1.790	2.769	4.1	21.0	168 W	54	55
11 12	2 53.56	+ 8 24.8	1.875	2.855	3.4	21.1	170 E	53	56
11 22	2 38.93	+ 7 55.0	1.994	2.938	6.9	21.5	159 E	53	56
12 2	2 27.06	+ 7 37.6	2.145	3.018	10.3	21.8	147 E	53	56
488474 1999 HD_1									
5 6	2 1.15	+14 30.9	1.616	0.666	18.9	21.4	12 W	1*	6*
5 11	2 29.28	+15 28.9	1.649	0.680	15.4	21.4	10 W	—	4*
5 16	2 56.92	+16 13.3	1.683	0.699	12.4	21.4	9 W	—	2*
5 21	3 23.93	+16 44.6	1.716	0.724	10.1	21.4	7 W	—	1*
5 26	3 50.18	+17 3.6	1.751	0.752	8.5	21.5	6 W	—	—
503941 2003 UV_{11}									
5 6	2 36.56	+15 37.1	1.966	0.962	3.9	21.2	4 W	—	—
5 11	2 55.53	+17 15.0	1.892	0.886	4.3	21.0	4 W	—	—
5 16	3 16.48	+18 53.4	1.815	0.808	4.3	20.7	3 W	—	—
5 21	3 39.80	+20 30.3	1.737	0.727	3.6	20.4	3 W	—	—
5 26	4 5.96	+22 2.6	1.656	0.644	2.4	19.9	2 W	—	—
5 31	4 35.52	+23 25.1	1.572	0.560	3.3	19.5	2 E	—	—
6 5	5 9.01	+24 29.9	1.483	0.478	9.4	19.4	4 E	—	—
6 7	5 23.57	+24 48.2	1.445	0.447	13.2	19.3	6 E	—	—
6 9	5 38.80	+25 0.9	1.405	0.419	17.9	19.3	7 E	—	—
6 11	5 54.62	+25 6.8	1.363	0.393	23.6	19.3	9 E	1*	1*
6 13	6 10.95	+25 4.9	1.319	0.372	30.5	19.3	11 E	2*	2*
6 15	6 27.62	+24 54.3	1.271	0.356	38.3	19.3	13 E	3*	4*
6 17	6 44.41	+24 34.3	1.221	0.346	46.9	19.4	14 E	4*	6*
6 19	7 1.09	+24 4.8	1.168	0.344	56.0	19.6	16 E	5*	8*
6 21	7 17.43	+23 26.0	1.114	0.350	65.0	19.8	18 E	5*	10*
6 23	7 33.30	+22 38.6	1.059	0.363	73.4	20.0	20 E	6*	12*
6 25	7 48.68	+21 43.2	1.005	0.381	80.8	20.2	22 E	7*	14*
6 27	8 3.59	+20 40.5	0.953	0.405	87.1	20.5	23 E	7*	15*
6 29	8 18.17	+19 30.7	0.903	0.432	92.3	20.7	25 E	7*	17*
7 1	8 32.54	+18 13.8	0.857	0.461	96.3	20.9	27 E	7*	19*
7 3	8 46.86	+16 49.8	0.813	0.493	99.4	21.1	29 E	8*	21*
7 5	9 1.24	+15 18.2	0.772	0.526	101.5	21.2	30 E	8*	23*
7 7	9 15.81	+13 38.8	0.735	0.559	102.8	21.3	32 E	8*	25*
7 9	9 30.67	+11 51.3	0.701	0.592	103.4	21.4	35 E	8*	27*
7 11	9 45.89	+ 9 55.5	0.670	0.626	103.3	21.4	37 E	8*	30*
7 13	10 1.53	+ 7 51.4	0.643	0.660	102.5	21.4	39 E	8*	33*
7 15	10 17.61	+ 5 39.5	0.620	0.693	101.3	21.4	42 E	9*	35*
7 17	10 34.15	+ 3 20.5	0.600	0.726	99.6	21.3	45 E	9*	38*
7 19	10 51.11	+ 0 55.9	0.584	0.759	97.5	21.2	48 E	9*	41*
7 21	11 8.45	− 1 32.8	0.572	0.791	95.0	21.2	51 E	9*	45*
7 23	11 26.10	− 4 3.4	0.564	0.823	92.2	21.1	54 E	9*	48*
7 25	11 43.95	− 6 33.5	0.560	0.855	89.3	21.0	57 E	10*	51*
7 27	12 1.89	− 9 0.5	0.559	0.885	86.2	21.0	60 E	10*	54*
7 29	12 19.80	−11 22.0	0.563	0.916	83.1	21.0	64 E	10*	58*
7 31	12 37.54	−13 36.1	0.569	0.946	79.9	20.9	67 E	10*	61*
8 2	12 55.01	−15 41.1	0.579	0.975	76.8	20.9	69 E	10*	63*
8 4	13 12.07	−17 35.9	0.592	1.004	73.9	21.0	72 E	11*	66*
8 9	13 52.41	−21 35.7	0.637	1.075	67.1	21.0	78 E	11*	72*
8 14	14 28.79	−24 32.0	0.695	1.143	61.3	21.2	82 E	11*	75*
8 19	15 0.98	−26 35.9	0.764	1.208	56.5	21.4	85 E	12*	78*
8 24	15 29.27	−28 0.1	0.840	1.271	52.5	21.6	86 E	12*	79*