500094 2012 BC_{20}

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 23	10 16.42	−10 40.8	0.947	1.574	36.2	21.0	109 W	34	75
12 28	10 21.43	−10 52.5	0.886	1.558	35.6	20.9	113 W	34	75
1 2	10 25.90	−10 54.1	0.827	1.542	34.8	20.7	117 W	34	75
1 7	10 29.75	−10 43.4	0.768	1.525	33.7	20.5	121 W	34	75
1 12	10 32.94	−10 17.7	0.711	1.508	32.3	20.2	125 W	35	74
1 17	10 35.36	− 9 33.7	0.656	1.491	30.5	20.0	130 W	35	74
1 22	10 36.91	− 8 27.2	0.603	1.472	28.4	19.7	135 W	37	72
1 27	10 37.50	− 6 53.2	0.553	1.454	25.6	19.4	140 W	38	71
2 1	10 37.03	− 4 46.2	0.506	1.435	22.3	19.1	146 W	40	69
2 6	10 35.45	− 2 0.5	0.463	1.415	18.3	18.7	153 W	43	66
2 11	10 32.69	+ 1 29.3	0.425	1.395	13.4	18.3	161 W	46	63
2 16	10 28.71	+ 5 46.8	0.392	1.375	7.8	17.9	169 W	51	58
2 21	10 23.55	+10 51.5	0.366	1.354	1.7	17.4	178 W	56	53
2 23	10 21.18	+13 5.3	0.357	1.346	2.1	17.4	177 E	58	51
2 25	10 18.65	+15 24.8	0.350	1.338	4.8	17.5	173 E	60	49
2 27	10 15.99	+17 49.1	0.343	1.329	7.8	17.5	170 E	63	46
2 29	10 13.21	+20 16.9	0.338	1.321	10.8	17.6	166 E	65	44
3 2	10 10.34	+22 47.0	0.334	1.312	13.9	17.7	161 E	68	41
3 4	10 7.40	+25 18.0	0.332	1.304	17.0	17.8	157 E	70	39
3 6	10 4.41	+27 48.6	0.330	1.295	20.1	17.9	153 E	73	36
3 8	10 1.41	+30 17.5	0.329	1.287	23.2	17.9	149 E	75	34
3 10	9 58.43	+32 43.4	0.330	1.278	26.2	18.0	145 E	78	31
3 12	9 55.48	+35 5.3	0.331	1.270	29.1	18.1	142 E	80	29
3 14	9 52.61	+37 22.3	0.334	1.261	32.0	18.2	138 E	82	27
3 16	9 49.83	+39 33.7	0.337	1.253	34.7	18.3	134 E	85	24
3 18	9 47.20	+41 39.0	0.340	1.244	37.4	18.3	131 E	87	22
3 20	9 44.73	+43 37.8	0.345	1.236	39.9	18.4	127 E	89	20
3 22	9 42.46	+45 30.0	0.350	1.227	42.2	18.5	124 E	89	18
3 27	9 37.85	+49 41.9	0.364	1.206	47.6	18.7	117 E	85	14
4 1	9 35.05	+53 15.6	0.380	1.185	52.3	18.9	110 E	82	11
4 6	9 34.33	+56 16.5	0.397	1.165	56.3	19.1	104 E	79	8
4 11	9 35.79	+58 50.2	0.413	1.145	59.7	19.2	99 E	76	5
4 16	9 39.48	+61 1.6	0.428	1.126	62.6	19.3	95 E	74	3
4 21	9 45.46	+62 54.7	0.442	1.107	65.2	19.5	91 E	72	1
4 26	9 53.71	+64 33.0	0.454	1.089	67.4	19.5	88 E	70	—
5 1	10 4.20	+65 59.1	0.464	1.072	69.4	19.6	85 E	69*	—
5 6	10 16.83	+67 14.9	0.471	1.057	71.2	19.7	83 E	68*	—
5 11	10 31.48	+68 21.7	0.476	1.043	72.8	19.7	80 E	66*	—
5 16	10 48.06	+69 20.1	0.478	1.030	74.3	19.8	79 E	65*	—
5 21	11 6.53	+70 10.3	0.477	1.019	75.7	19.8	77 E	64*	—
5 26	11 26.84	+70 52.5	0.474	1.009	76.9	19.8	76 E	63*	—
5 31	11 48.90	+71 26.8	0.467	1.001	78.1	19.8	75 E	63*	—
6 5	12 12.58	+71 52.8	0.458	0.996	79.1	19.8	75 E	62*	—
6 10	12 37.72	+72 9.7	0.446	0.992	80.1	19.7	74 E	62*	—
6 15	13 4.21	+72 16.2	0.431	0.991	80.9	19.7	74 E	62*	—
6 20	13 31.94	+72 10.5	0.413	0.991	81.6	19.6	75 E	62*	—
6 25	14 0.79	+71 50.3	0.393	0.994	82.0	19.5	75 E	63*	—
6 30	14 30.59	+71 12.6	0.371	0.998	82.2	19.4	77 E	64*	—
7 2	14 42.72	+70 51.7	0.362	1.001	82.1	19.4	77 E	64*	—
7 4	14 54.93	+70 26.9	0.352	1.004	82.1	19.3	78 E	64*	—
7 6	15 7.21	+69 57.9	0.342	1.007	81.9	19.2	79 E	65*	—
7 8	15 19.54	+69 24.0	0.332	1.010	81.7	19.2	79 E	66*	—
7 10	15 31.89	+68 44.7	0.322	1.014	81.4	19.1	80 E	66*	—
7 12	15 44.24	+67 59.3	0.311	1.018	81.0	19.0	81 E	67	—
7 14	15 56.57	+67 7.1	0.300	1.022	80.5	18.9	83 E	68	—
7 16	16 8.86	+66 7.0	0.289	1.026	79.9	18.9	84 E	69	—
7 18	16 21.08	+64 58.1	0.278	1.031	79.2	18.8	85 E	70	—
7 20	16 33.23	+63 39.2	0.267	1.036	78.3	18.6	87 E	71	—
7 22	16 45.26	+62 8.9	0.256	1.041	77.2	18.5	89 E	73	2
7 24	16 57.18	+60 25.6	0.246	1.047	76.0	18.4	90 E	75	4
7 26	17 8.94	+58 27.7	0.235	1.053	74.6	18.3	93 E	77	6
7 28	17 20.53	+56 13.2	0.224	1.059	72.9	18.1	95 E	79	8
7 30	17 31.93	+53 40.2	0.214	1.065	71.0	18.0	98 E	81	10
8 1	17 43.10	+50 46.4	0.205	1.071	68.7	17.8	100 E	84	13
8 3	17 54.04	+47 29.8	0.195	1.078	66.2	17.7	104 E	88	17
8 5	18 4.72	+43 48.6	0.187	1.084	63.4	17.5	107 E	89	20
8 7	18 15.14	+39 41.9	0.180	1.091	60.3	17.3	111 E	85	24
8 9	18 25.27	+35 9.5	0.174	1.098	56.9	17.2	115 E	80	29
8 11	18 35.12	+30 13.1	0.169	1.105	53.3	17.0	119 E	75	34
8 13	18 44.68	+24 56.3	0.166	1.113	49.6	16.9	123 E	70	39
8 15	18 53.96	+19 24.9	0.164	1.120	45.9	16.8	127 E	64	45
8 17	19 2.95	+13 46.3	0.165	1.128	42.4	16.7	131 E	59	50
8 19	19 11.67	+ 8 9.2	0.167	1.136	39.4	16.7	135 E	53	56
8 20	19 15.93	+ 5 23.8	0.169	1.139	38.0	16.6	136 E	50	59
8 21	19 20.12	+ 2 41.8	0.171	1.143	36.8	16.6	137 E	48	61
8 22	19 24.25	+ 0 4.0	0.174	1.147	35.8	16.7	138 E	45	64
8 23	19 28.32	− 2 28.7	0.177	1.151	34.9	16.7	139 E	43	66
8 24	19 32.32	− 4 55.9	0.181	1.155	34.3	16.7	140 E	40	69
8 25	19 36.26	− 7 17.1	0.185	1.159	33.7	16.8	140 E	38	71

500094 2012 BC_{20} *(continuation)*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
8 26	19 40.14	− 9 31.9	0.189	1.163	33.3	16.8	141 E	35	74
8 27	19 43.96	−11 40.3	0.194	1.167	33.1	16.9	141 E	33	76
8 28	19 47.72	−13 42.1	0.199	1.171	33.0	16.9	141 E	31	78
8 29	19 51.42	−15 37.2	0.205	1.175	32.9	17.0	141 E	29	80
8 31	19 58.65	−19 8.3	0.217	1.184	33.2	17.1	140 E	26	83
9 2	20 5.66	−22 14.7	0.230	1.192	33.6	17.3	139 E	23	86
9 4	20 12.45	−24 58.5	0.243	1.200	34.3	17.4	138 E	20	89
9 6	20 19.04	−27 21.7	0.258	1.209	35.0	17.6	137 E	18	89
9 8	20 25.43	−29 26.4	0.274	1.217	35.7	17.8	135 E	16	87
9 10	20 31.64	−31 14.8	0.290	1.226	36.4	17.9	134 E	14	85
9 12	20 37.68	−32 48.6	0.307	1.234	37.1	18.1	132 E	12	83
9 14	20 43.57	−34 9.6	0.324	1.243	37.7	18.2	131 E	11	82
9 16	20 49.30	−35 19.3	0.342	1.251	38.3	18.4	130 E	10	81
9 18	20 54.90	−36 18.9	0.360	1.260	38.8	18.5	128 E	9	80
9 20	21 0.38	−37 9.7	0.378	1.268	39.3	18.7	127 E	8	79
9 22	21 5.74	−37 52.6	0.397	1.277	39.7	18.8	126 E	7	78
9 24	21 10.99	−38 28.5	0.416	1.285	40.1	18.9	124 E	7	78
9 26	21 16.13	−38 58.1	0.436	1.294	40.4	19.0	123 E	6	77
9 28	21 21.18	−39 22.2	0.455	1.302	40.7	19.2	122 E	6	77
10 3	21 33.41	−40 1.6	0.506	1.323	41.3	19.4	119 E	5	76
10 8	21 45.14	−40 16.9	0.557	1.344	41.7	19.7	117 E	5	76
10 13	21 56.45	−40 12.9	0.610	1.365	41.9	19.9	114 E	5	76
10 18	22 7.43	−39 53.7	0.663	1.385	42.0	20.2	112 E	5	76
10 23	22 18.14	−39 22.0	0.718	1.406	41.9	20.4	109 E	6	77
10 28	22 28.62	−38 40.1	0.773	1.425	41.8	20.5	107 E	6	77
11 2	22 38.90	−37 50.0	0.828	1.445	41.6	20.7	105 E	7	78
11 7	22 49.00	−36 53.0	0.884	1.464	41.4	20.9	102 E	8	79
11 12	22 58.95	−35 50.0	0.941	1.482	41.1	21.0	100 E	9	80
11 17	23 8.79	−34 42.1	0.998	1.500	40.7	21.2	98 E	10	81
11 22	23 18.54	−33 30.1	1.055	1.517	40.3	21.3	96 E	11	82
11 27	23 28.21	−32 14.6	1.112	1.534	39.9	21.4	94 E	13	84

306795 2001 OQ_{50}

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 16.61	+11 44.3	2.140	2.752	18.3	20.0	119 W	57	52
1 2	10 12.95	+11 21.0	2.060	2.793	15.7	19.9	130 W	56	53
1 12	10 6.59	+11 9.2	1.998	2.832	12.6	19.7	141 W	56	53
1 22	9 57.87	+11 7.6	1.958	2.871	8.8	19.5	153 W	56	53
2 1	9 47.43	+11 13.7	1.944	2.910	4.7	19.4	166 W	56	53
2 11	9 36.26	+11 24.1	1.961	2.947	1.0	19.2	177 W	56	53
2 21	9 25.42	+11 35.1	2.009	2.984	3.9	19.5	168 E	57	52
3 2	9 15.90	+11 43.9	2.088	3.019	7.7	19.7	156 E	57	52
3 12	9 8.42	+11 48.3	2.193	3.054	11.0	20.0	144 E	57	52
3 22	9 3.37	+11 47.0	2.321	3.088	13.6	20.3	133 E	57	52
4 1	9 0.82	+11 39.5	2.467	3.121	15.6	20.5	123 E	57	52
4 11	9 0.67	+11 25.7	2.626	3.154	17.0	20.7	113 E	56	53
4 21	9 2.65	+11 5.6	2.794	3.185	17.9	20.9	104 E	56*	53
5 1	9 6.49	+10 39.3	2.966	3.216	18.2	21.0	95 E	53*	53
5 11	9 11.89	+10 6.9	3.140	3.245	18.1	21.2	87 E	47*	54
5 21	9 18.58	+ 9 28.8	3.313	3.274	17.7	21.3	79 E	41*	54*
5 31	9 26.33	+ 8 45.0	3.480	3.302	16.9	21.4	72 E	33*	53*
6 10	9 34.93	+ 7 56.0	3.641	3.329	15.9	21.5	64 E	26*	51*

482802 2013 TL_{114}

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 17.14	+ 1 51.8	0.832	1.532	35.6	21.3	115 W	47	62
12 28	10 21.76	+ 0 57.4	0.804	1.538	34.2	21.2	118 W	46	63
1 2	10 25.38	+ 0 8.9	0.777	1.545	32.6	21.1	122 W	45	64
1 7	10 27.96	− 0 32.8	0.752	1.552	30.7	21.0	126 W	44	65
1 12	10 29.45	− 1 6.8	0.729	1.560	28.5	20.8	131 W	44	65
1 17	10 29.83	− 1 32.4	0.709	1.569	26.1	20.7	135 W	43	66
1 22	10 29.09	− 1 48.5	0.691	1.578	23.5	20.6	140 W	43	66
1 27	10 27.28	− 1 54.7	0.676	1.588	20.6	20.5	145 W	43	66
2 1	10 24.50	− 1 50.5	0.665	1.599	17.5	20.4	151 W	43	66
2 11	10 16.73	− 1 12.6	0.656	1.622	11.2	20.1	161 W	44	65
2 21	10 7.54	− 0 2.2	0.665	1.646	6.6	20.0	169 E	45	64
3 2	9 59.06	+ 1 26.7	0.694	1.672	8.5	20.2	166 E	46	63
3 7	9 55.71	+ 2 12.7	0.716	1.686	11.0	20.4	161 E	47	62
3 12	9 53.18	+ 2 57.2	0.743	1.700	13.7	20.6	156 E	48	61
3 17	9 51.54	+ 3 38.5	0.775	1.714	16.4	20.8	151 E	49	60
3 22	9 50.85	+ 4 15.7	0.811	1.729	18.8	21.0	146 E	49	60
3 27	9 51.13	+ 4 47.8	0.850	1.744	21.0	21.2	141 E	50	59
4 1	9 52.35	+ 5 14.4	0.894	1.759	23.0	21.4	137 E	50	59

420738 2012 TS

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 17.41	−53 24.5	0.343	1.016	74.8	21.1	86 W	—	63
12 25	10 25.64	−54 33.5	0.341	1.013	75.4	21.1	85 W	—	61
12 27	10 34.32	−55 40.5	0.339	1.009	76.0	21.1	84 W	—	60
12 29	10 43.52	−56 45.2	0.337	1.005	76.6	21.1	84 W	—	59
12 31	10 53.28	−57 47.5	0.335	1.001	77.3	21.1	83 W	—	58
1 2	11 3.67	−58 47.1	0.333	0.997	77.9	21.1	83 W	—	57

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
420738 2012 *TS* (*continuation*)									
	h m	° ′			°	m	°	°	°
1 4	11 14.75	−59 43.9	0.331	0.993	78.6	21.1	82 W	—	56
1 6	11 26.59	−60 37.5	0.328	0.990	79.3	21.1	82 W	—	55
1 8	11 39.25	−61 27.5	0.326	0.986	80.1	21.1	81 W	—	55
1 10	11 52.79	−62 13.5	0.323	0.982	80.8	21.1	80 W	—	54
1 12	12 7.25	−62 55.0	0.320	0.978	81.6	21.1	80 W	—	53
1 14	12 22.68	−63 31.4	0.318	0.974	82.4	21.1	79 W	—	52
1 16	12 39.07	−64 2.0	0.315	0.970	83.2	21.1	78 W	—	52*
1 18	12 56.39	−64 26.2	0.312	0.966	84.0	21.1	78 W	—	52*
1 20	13 14.60	−64 43.0	0.309	0.962	84.9	21.1	77 W	—	51*
1 22	13 33.59	−64 51.6	0.306	0.958	85.8	21.1	76 W	—	51*
1 24	13 53.21	−64 51.3	0.303	0.954	86.7	21.1	75 W	—	51*
1 26	14 13.29	−64 41.2	0.300	0.950	87.6	21.2	75 W	—	50*
1 28	14 33.59	−64 20.9	0.297	0.947	88.5	21.2	74 W	—	50*
1 30	14 53.91	−63 49.6	0.294	0.943	89.4	21.2	73 W	—	50*
2 1	15 14.01	−63 7.3	0.291	0.939	90.4	21.2	72 W	—	50*
2 2	15 23.91	−62 41.9	0.290	0.937	90.9	21.2	72 W	—	51*
2 3	15 33.68	−62 13.7	0.289	0.935	91.3	21.2	72 W	—	51*
2 4	15 43.30	−61 42.8	0.288	0.934	91.8	21.2	71 W	—	51*
2 5	15 52.76	−61 9.0	0.287	0.932	92.3	21.2	71 W	—	51*
2 6	16 2.02	−60 32.6	0.285	0.930	92.7	21.2	70 W	—	51*
2 7	16 11.09	−59 53.4	0.284	0.928	93.2	21.2	70 W	—	51*
2 8	16 19.95	−59 11.7	0.283	0.927	93.7	21.2	70 W	—	51*
2 9	16 28.60	−58 27.4	0.283	0.925	94.1	21.2	69 W	—	51*
2 10	16 37.02	−57 40.6	0.282	0.923	94.6	21.3	69 W	—	52*
2 11	16 45.23	−56 51.5	0.281	0.922	95.0	21.3	68 W	—	52*
2 13	17 0.96	−55 6.3	0.280	0.918	95.9	21.3	68 W	—	52*
2 15	17 15.82	−53 12.8	0.279	0.915	96.8	21.3	67 W	—	53*
2 17	17 29.81	−51 11.6	0.278	0.912	97.6	21.3	66 W	—	53*
2 19	17 43.00	−49 3.8	0.278	0.909	98.3	21.4	66 W	—	53*
2 21	17 55.44	−46 50.1	0.279	0.906	99.0	21.4	65 W	—	54*
2 23	18 7.17	−44 31.6	0.280	0.903	99.6	21.4	64 W	—	54*
2 25	18 18.26	−42 9.2	0.281	0.901	100.1	21.5	64 W	—	55*
2 27	18 28.78	−39 44.0	0.283	0.898	100.6	21.5	63 W	2*	55*
307197 2002 FZ_1									
12 23	10 17.91	+49 49.5	1.384	2.102	22.7	21.1	124 W	85	14
12 28	10 17.24	+50 57.4	1.347	2.099	21.7	21.0	128 W	84	13
1 2	10 14.97	+52 6.6	1.314	2.095	20.7	20.9	131 W	83	12
1 7	10 10.99	+53 14.8	1.285	2.091	19.8	20.8	134 W	82	11
1 12	10 5.22	+54 19.8	1.261	2.086	19.0	20.8	136 W	81	10
1 17	9 57.65	+55 18.7	1.241	2.081	18.3	20.7	138 W	80	9
1 22	9 48.37	+56 8.4	1.226	2.076	17.9	20.7	140 W	79	8
1 27	9 37.65	+56 45.9	1.216	2.070	17.7	20.6	140 W	78	7
2 1	9 25.90	+57 8.7	1.211	2.064	17.9	20.6	140 W	78	7
2 6	9 13.65	+57 15.0	1.212	2.058	18.4	20.6	139 E	78	7
2 11	9 1.52	+57 4.2	1.218	2.052	19.2	20.7	137 E	78	7
2 16	8 50.08	+56 36.9	1.228	2.045	20.2	20.7	134 E	78	7
2 21	8 39.79	+55 54.4	1.243	2.037	21.4	20.8	131 E	79	8
2 26	8 31.04	+54 58.5	1.263	2.029	22.6	20.8	128 E	80	9
3 2	8 24.01	+53 51.8	1.286	2.021	23.8	20.9	125 E	81	10
3 7	8 18.77	+52 36.7	1.313	2.013	25.0	21.0	121 E	82	11
3 12	8 15.27	+51 15.4	1.343	2.004	26.1	21.0	117 E	84	13
3 17	8 13.38	+49 49.6	1.376	1.995	27.2	21.1	114 E	85	14
3 22	8 12.96	+48 20.9	1.410	1.986	28.1	21.2	110 E	87	16
3 27	8 13.88	+46 50.3	1.447	1.976	29.0	21.3	106 E	88	17
4 1	8 15.96	+45 18.6	1.485	1.966	29.7	21.3	103 E	90	19
4 6	8 19.06	+43 46.6	1.525	1.956	30.3	21.4	99 E	89	20
4 11	8 23.04	+42 14.4	1.565	1.946	30.8	21.4	96 E	87*	22
4 16	8 27.76	+40 42.3	1.606	1.935	31.2	21.5	93 E	84*	23
127688 2003 EC_{16}									
12 23	10 18.04	+28 1.0	1.419	2.121	22.9	19.2	123 W	73	36
1 2	10 12.42	+27 43.3	1.355	2.155	19.3	19.0	134 W	73	36
1 12	10 2.43	+27 27.9	1.308	2.188	14.9	18.8	145 W	72	37
1 22	9 48.74	+27 7.1	1.282	2.221	10.0	18.6	157 W	72	37
1 27	9 40.92	+26 52.2	1.279	2.238	7.5	18.5	163 W	72	37
2 1	9 32.77	+26 33.3	1.282	2.254	5.5	18.5	167 W	72	37
2 6	9 24.55	+26 10.1	1.294	2.270	4.5	18.4	170 W	71	38
2 11	9 16.53	+25 42.4	1.313	2.287	5.2	18.5	168 E	71	38
2 16	9 8.94	+25 10.7	1.339	2.303	7.0	18.7	163 E	70	39
2 21	9 1.99	+24 35.3	1.372	2.319	9.2	18.8	158 E	70	39
2 26	8 55.84	+23 57.2	1.412	2.334	11.3	19.0	152 E	69	40
3 2	8 50.60	+23 16.8	1.458	2.350	13.4	19.2	147 E	68	41
3 12	8 43.04	+21 52.4	1.567	2.381	17.0	19.5	136 E	67	42
3 22	8 39.30	+20 26.5	1.694	2.411	19.7	19.7	125 E	65	44
4 1	8 39.03	+19 1.2	1.835	2.441	21.6	20.0	116 E	64	45
4 11	8 41.71	+17 37.2	1.985	2.470	22.8	20.2	107 E	63	46
4 21	8 46.79	+16 14.3	2.141	2.498	23.4	20.4	99 E	60*	48
5 1	8 53.81	+14 51.5	2.300	2.526	23.5	20.6	91 E	55*	49

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
127688 2003 EC_{16} (*continuation*)									
	h m	° ′			°	m	°	°	°
5 11	9 2.36	+13 28.1	2.459	2.552	23.2	20.8	84 E	49*	51*
5 21	9 12.09	+12 3.3	2.616	2.578	22.5	20.9	77 E	42*	51*
5 31	9 22.76	+10 36.4	2.769	2.604	21.5	21.0	70 E	34*	51*
6 10	9 34.14	+ 9 7.1	2.916	2.628	20.3	21.1	64 E	27*	50*
6 20	9 46.08	+ 7 34.9	3.055	2.651	18.9	21.2	57 E	20*	47*
6 30	9 58.44	+ 5 59.7	3.186	2.674	17.3	21.3	51 E	14*	43*
7 10	10 11.13	+ 4 21.5	3.307	2.695	15.6	21.3	46 E	9*	39*
7 20	10 24.05	+ 2 40.3	3.417	2.716	13.9	21.3	40 E	5*	34*
7 30	10 37.17	+ 0 56.1	3.516	2.736	12.0	21.3	34 E	1*	28*
8 9	10 50.41	− 0 50.7	3.602	2.755	10.2	21.3	29 E	—	22*
8 19	11 3.75	− 2 40.1	3.674	2.773	8.3	21.3	23 E	—	16*
8 29	11 17.16	− 4 31.9	3.732	2.790	6.5	21.3	18 E	—	11*
9 8	11 30.61	− 6 25.7	3.776	2.806	4.8	21.2	14 E	—	5*
9 18	11 44.09	− 8 21.2	3.805	2.821	3.6	21.2	10 E	—	—
9 28	11 57.55	−10 18.3	3.818	2.836	3.4	21.2	10 W	—	2*
10 8	12 10.99	−12 16.6	3.816	2.849	4.4	21.3	13 W	—	7*
10 18	12 24.37	−14 15.8	3.798	2.861	5.9	21.3	17 W	2*	11*
10 28	12 37.65	−16 15.7	3.765	2.873	7.6	21.4	23 W	7*	15*
11 7	12 50.79	−18 15.9	3.717	2.883	9.4	21.5	28 W	11*	20*
318690 2005 QV_{62}									
12 23	10 18.57	+12 44.0	1.070	1.767	29.2	21.1	119 W	58	51
1 2	10 20.36	+12 43.1	1.009	1.794	25.4	20.9	128 W	58	51
1 12	10 17.76	+13 5.8	0.959	1.821	20.6	20.6	139 W	58	51
1 22	10 10.85	+13 49.7	0.924	1.848	14.8	20.4	151 W	59	50
1 27	10 5.98	+14 17.7	0.914	1.862	11.6	20.3	158 W	59	50
2 1	10 0.38	+14 48.0	0.909	1.876	8.3	20.1	164 W	60	49
2 6	9 54.28	+15 19.3	0.910	1.890	4.9	20.0	171 W	60	49
2 11	9 47.94	+15 49.9	0.918	1.903	1.8	19.8	177 W	61	48
2 16	9 41.62	+16 18.6	0.931	1.917	2.5	19.9	175 E	61	48
2 21	9 35.58	+16 44.2	0.951	1.931	5.6	20.2	169 E	62	47
2 26	9 30.06	+17 5.7	0.977	1.944	8.7	20.4	163 E	62	47
3 2	9 25.26	+17 22.7	1.008	1.958	11.6	20.6	157 E	62	47
3 7	9 21.32	+17 34.8	1.045	1.971	14.3	20.8	151 E	63	46
3 12	9 18.33	+17 42.1	1.087	1.984	16.7	21.0	145 E	63	46
3 17	9 16.30	+17 44.8	1.134	1.997	18.9	21.1	139 E	63	46
3 22	9 15.26	+17 43.1	1.184	2.010	20.8	21.3	134 E	63	46
3 27	9 15.16	+17 37.3	1.238	2.023	22.4	21.5	129 E	63	46
382406 1996 AJ_1									
12 23	10 18.77	+12 50.5	0.495	1.296	41.8	21.2	119 W	58	51
12 28	9 57.67	+15 6.1	0.497	1.354	34.2	21.1	129 W	60	49
1 2	9 34.92	+17 18.6	0.505	1.409	26.5	21.0	140 W	62	47
1 7	9 11.32	+19 20.6	0.522	1.462	18.9	20.9	151 W	64	45
1 12	8 47.91	+21 5.6	0.547	1.513	11.6	20.8	162 W	66	43
1 17	8 25.75	+22 30.0	0.582	1.562	5.0	20.7	172 W	67	42
1 22	8 5.71	+23 33.5	0.626	1.609	2.5	20.8	176 E	69	40
1 27	7 48.33	+24 18.3	0.678	1.654	7.2	21.3	168 E	69	40
2 1	7 33.85	+24 48.1	0.738	1.696	11.6	21.7	160 E	70	39
2 6	7 22.22	+25 6.5	0.804	1.738	15.4	22.1	152 E	70	39
2 11	7 13.20	+25 16.9	0.876	1.777	18.6	22.4	145 E	70	39
338336 2002 WB_1									
12 23	10 18.82	+27 1.1	0.765	1.537	32.7	18.8	123 W	72	37
12 28	10 23.05	+27 3.4	0.743	1.545	30.8	18.7	126 W	72	37
1 2	10 25.91	+27 9.3	0.724	1.555	28.7	18.6	131 W	72	37
1 7	10 27.37	+27 18.2	0.707	1.565	26.4	18.5	135 W	72	37
1 12	10 27.40	+27 29.4	0.693	1.577	23.8	18.4	140 W	72	37
1 17	10 26.01	+27 41.5	0.682	1.589	21.1	18.3	144 W	73	36
1 22	10 23.27	+27 53.3	0.674	1.602	18.2	18.2	149 W	73	36
1 27	10 19.32	+28 2.9	0.671	1.615	15.4	18.1	154 W	73	36
2 1	10 14.38	+28 8.4	0.672	1.630	12.6	18.0	159 W	73	36
2 6	10 8.76	+28 8.2	0.677	1.645	10.3	18.0	163 W	73	36
2 11	10 2.79	+28 1.2	0.687	1.660	8.9	18.0	165 W	73	36
2 16	9 56.79	+27 46.6	0.703	1.676	8.8	18.1	165 W	73	36
2 21	9 51.09	+27 24.5	0.723	1.693	10.0	18.2	163 E	72	37
2 26	9 45.98	+26 55.2	0.749	1.710	12.0	18.4	159 E	72	37
3 2	9 41.69	+26 19.4	0.779	1.727	14.2	18.6	155 E	71	38
3 7	9 38.38	+25 38.2	0.814	1.745	16.5	18.7	150 E	71	38
3 12	9 36.10	+24 52.6	0.854	1.764	18.7	18.9	145 E	70	39
3 17	9 34.86	+24 3.8	0.897	1.782	20.7	19.1	141 E	69	40
3 22	9 34.64	+23 12.5	0.945	1.801	22.5	19.3	136 E	68	41
3 27	9 35.38	+22 19.4	0.995	1.820	24.1	19.5	132 E	67	42
4 1	9 37.03	+21 24.9	1.050	1.840	25.4	19.7	128 E	66	43
4 11	9 42.66	+19 33.6	1.166	1.879	27.5	20.0	120 E	65	44
4 21	9 50.83	+17 40.3	1.292	1.919	28.9	20.3	113 E	63	46
5 1	10 0.97	+15 45.7	1.426	1.960	29.6	20.6	106 E	61*	48
5 11	10 12.58	+13 50.0	1.566	2.000	29.9	20.9	100 E	57*	50
5 21	10 25.26	+11 53.4	1.710	2.041	29.7	21.1	94 E	51*	52
5 31	10 38.76	+ 9 55.8	1.857	2.081	29.1	21.3	88 E	45*	54
6 10	10 52.85	+ 7 57.4	2.006	2.121	28.3	21.5	82 E	39*	56*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
351009 2003 PQ_1									
	h m	° ′			°	m	°	°	°
12 23	10 19.03	+ 6 49.6	1.893	2.491	20.7	21.3	116 W	52	57
1 2	10 20.96	+ 6 58.1	1.749	2.461	18.8	21.0	126 W	52	57
1 12	10 20.20	+ 7 27.4	1.620	2.431	16.1	20.7	137 W	52	57
1 22	10 16.58	+ 8 19.5	1.507	2.400	12.5	20.4	148 W	53	56
2 1	10 10.16	+ 9 34.0	1.417	2.368	8.1	20.1	160 W	55	54
2 6	10 6.05	+10 18.5	1.382	2.352	5.6	19.9	166 W	55	54
2 11	10 1.47	+11 6.7	1.353	2.335	3.0	19.7	173 W	56	53
2 16	9 56.55	+11 57.5	1.331	2.319	0.4	19.4	179 W	57	52
2 21	9 51.44	+12 49.5	1.317	2.302	2.5	19.6	174 E	58	51
2 26	9 46.34	+13 41.6	1.309	2.286	5.3	19.7	168 E	59	50
3 2	9 41.42	+14 32.2	1.308	2.269	8.1	19.8	161 E	60	49
3 7	9 36.86	+15 20.1	1.314	2.252	10.8	19.9	155 E	60	49
3 12	9 32.82	+16 4.4	1.326	2.235	13.4	20.0	149 E	61	48
3 17	9 29.43	+16 44.3	1.343	2.218	15.8	20.1	143 E	62	47
3 22	9 26.78	+17 19.1	1.365	2.201	18.0	20.2	137 E	62	47
4 1	9 24.01	+18 12.8	1.422	2.167	21.9	20.4	126 E	63	46
4 11	9 24.74	+18 44.9	1.490	2.133	24.9	20.6	116 E	64	45
4 21	9 28.83	+18 56.4	1.566	2.098	27.2	20.7	107 E	64	45
5 1	9 35.99	+18 48.7	1.645	2.064	28.8	20.8	99 E	63*	45
5 11	9 45.81	+18 23.4	1.725	2.029	29.8	20.9	92 E	59*	46
5 21	9 57.88	+17 41.8	1.804	1.996	30.4	21.0	85 E	53*	46
5 31	10 11.87	+16 45.1	1.880	1.962	30.5	21.0	79 E	47*	47*
6 10	10 27.45	+15 34.4	1.952	1.929	30.3	21.1	74 E	41*	48*
6 20	10 44.36	+14 10.6	2.019	1.897	29.9	21.1	68 E	35*	48*
6 30	11 2.42	+12 34.6	2.080	1.866	29.2	21.1	64 E	30*	47*
7 10	11 21.46	+10 47.5	2.137	1.836	28.4	21.1	59 E	26*	46*
7 20	11 41.37	+ 8 50.6	2.188	1.808	27.4	21.1	55 E	23*	44*
7 30	12 2.10	+ 6 45.0	2.234	1.781	26.3	21.1	51 E	20*	42*
8 9	12 23.59	+ 4 32.4	2.276	1.756	25.1	21.1	47 E	18*	39*
8 19	12 45.83	+ 2 14.3	2.314	1.732	23.9	21.0	44 E	16*	36*
8 29	13 8.82	− 0 7.5	2.348	1.711	22.5	21.0	41 E	15*	33*
9 8	13 32.58	− 2 30.6	2.380	1.693	21.2	21.0	37 E	14*	30*
9 18	13 57.13	− 4 53.0	2.409	1.677	19.7	20.9	34 E	13*	27*
9 28	14 22.49	− 7 11.9	2.436	1.663	18.2	20.9	31 E	12*	24*
10 8	14 48.65	− 9 24.9	2.462	1.653	16.7	20.8	28 E	11*	21*
10 18	15 15.64	−11 29.0	2.487	1.646	15.1	20.8	26 E	10*	18*
10 28	15 43.39	−13 21.7	2.512	1.642	13.5	20.8	23 E	9*	15*
11 7	16 11.83	−15 0.1	2.537	1.641	11.9	20.7	20 E	8*	11*
11 17	16 40.87	−16 22.1	2.562	1.643	10.2	20.7	17 E	7*	8*
11 27	17 10.34	−17 25.7	2.587	1.648	8.5	20.6	14 E	6*	4*
12 7	17 40.05	−18 9.6	2.611	1.657	6.8	20.6	11 E	4*	1*
12 17	18 9.81	−18 33.1	2.635	1.668	5.1	20.5	9 E	2*	—
12 27	18 39.39	−18 36.3	2.658	1.683	3.5	20.5	6 E	—	—
1 6	19 8.57	−18 19.9	2.679	1.700	2.4	20.5	4 E	—	—
1 16	19 37.20	−17 45.3	2.698	1.720	2.6	20.5	5 W	—	—
15778 1993 NH									
12 23	10 19.18	−17 2.6	2.609	3.023	18.3	20.1	105 W	28	81
1 2	10 17.72	−18 30.3	2.489	3.023	17.3	20.0	114 W	26	83
1 12	10 13.90	−19 42.8	2.380	3.023	15.9	19.9	122 W	25	84
1 22	10 7.77	−20 35.3	2.286	3.022	14.3	19.7	131 W	24	85
2 1	9 59.63	−21 2.8	2.211	3.020	12.5	19.6	138 W	24	85
2 11	9 50.12	−21 1.7	2.159	3.017	11.0	19.5	144 W	24	85
2 16	9 45.10	−20 50.0	2.142	3.015	10.4	19.4	146 E	24	85
2 21	9 40.07	−20 31.2	2.132	3.013	10.2	19.4	147 E	24	85
2 26	9 35.14	−20 5.5	2.128	3.010	10.2	19.4	147 E	25	84
3 2	9 30.46	−19 33.7	2.131	3.008	10.5	19.4	147 E	25	84
3 7	9 26.12	−18 56.7	2.140	3.005	11.0	19.4	145 E	26	83
3 12	9 22.22	−18 15.5	2.155	3.001	11.8	19.5	142 E	27	82
3 17	9 18.83	−17 31.0	2.177	2.998	12.6	19.5	139 E	27	82
3 22	9 16.01	−16 44.4	2.203	2.994	13.6	19.6	135 E	28	81
3 27	9 13.80	−15 56.6	2.235	2.990	14.5	19.6	131 E	29	80
4 1	9 12.23	−15 8.6	2.272	2.986	15.4	19.7	127 E	30	79
4 6	9 11.31	−14 21.4	2.313	2.981	16.3	19.8	123 E	31	78
4 11	9 11.01	−13 35.7	2.357	2.977	17.1	19.8	119 E	31	78
4 21	9 12.25	−12 10.8	2.456	2.967	18.5	20.0	111 E	33*	76
5 1	9 15.74	−10 57.7	2.563	2.955	19.4	20.1	103 E	33*	75
5 11	9 21.23	− 9 58.3	2.675	2.943	20.0	20.2	95 E	30*	74
5 21	9 28.44	− 9 13.3	2.789	2.930	20.2	20.3	88 E	26*	73*
5 31	9 37.13	− 8 42.9	2.903	2.916	20.1	20.3	81 E	21*	70*
6 10	9 47.06	− 8 26.6	3.014	2.900	19.6	20.4	74 E	16*	66*
6 20	9 58.03	− 8 23.6	3.119	2.884	19.0	20.4	67 E	11*	61*
6 30	10 9.90	− 8 32.9	3.218	2.867	18.1	20.5	61 E	6*	55*
7 10	10 22.50	− 8 53.7	3.309	2.849	17.0	20.5	55 E	2*	49*
7 20	10 35.75	− 9 24.9	3.390	2.830	15.7	20.5	49 E	—	42*
7 30	10 49.56	−10 5.4	3.460	2.809	14.4	20.4	43 E	—	36*
8 9	11 3.84	−10 54.3	3.520	2.788	12.9	20.4	38 E	—	30*
8 19	11 18.57	−11 50.6	3.567	2.766	11.3	20.4	32 E	—	24*
8 29	11 33.70	−12 53.3	3.602	2.743	9.7	20.3	27 E	—	18*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
15778 1993 NH *(continuation)*									
	h m	° ′			°	m	°	°	°
9 8	11 49.20	−14 1.3	3.624	2.719	8.1	20.2	22 E	—	12*
9 18	12 5.06	−15 13.6	3.632	2.694	6.6	20.2	18 E	—	6*
9 28	12 21.28	−16 29.4	3.627	2.668	5.4	20.1	15 E	—	1*
10 8	12 37.85	−17 47.5	3.607	2.642	4.7	20.0	13 W	—	3*
10 18	12 54.77	−19 6.9	3.575	2.614	4.9	20.0	13 W	—	6*
10 28	13 12.04	−20 26.6	3.528	2.585	6.0	20.0	16 W	—	10*
11 7	13 29.66	−21 45.3	3.468	2.556	7.5	20.0	20 W	3*	13*
11 17	13 47.63	−23 2.0	3.395	2.525	9.2	20.0	24 W	6*	17*
11 27	14 5.93	−24 15.4	3.309	2.494	11.1	20.0	29 W	9*	22*
12 7	14 24.55	−25 24.4	3.212	2.462	13.1	20.0	34 W	12*	26*
12 17	14 43.44	−26 27.8	3.103	2.430	15.0	19.9	40 W	13*	32*
12 27	15 2.56	−27 24.1	2.984	2.396	17.0	19.9	45 W	14*	37*
1 6	15 21.84	−28 12.3	2.856	2.362	18.8	19.8	51 W	15*	43*
1 16	15 41.18	−28 51.1	2.720	2.328	20.7	19.7	57 W	15*	50*
455398 2003 AW_{72}									
12 23	10 19.54	+52 25.0	0.908	1.670	29.3	17.2	124 W	83	12
12 28	10 31.93	+54 47.8	0.891	1.663	29.0	17.1	125 W	80	9
1 2	10 43.97	+57 7.7	0.877	1.656	28.8	17.1	126 W	78	7
1 7	10 55.46	+59 22.5	0.869	1.651	28.8	17.0	126 W	76	5
1 12	11 6.17	+61 30.0	0.864	1.647	28.9	17.0	126 W	74	3
1 17	11 15.80	+63 28.4	0.862	1.643	29.1	17.0	126 W	72	1
1 22	11 24.00	+65 15.9	0.864	1.641	29.4	17.0	125 W	70	—
1 24	11 26.80	+65 55.5	0.866	1.640	29.5	17.0	125 W	69	—
1 26	11 29.30	+66 33.0	0.868	1.640	29.7	17.1	124 W	68	—
1 28	11 31.48	+67 8.3	0.870	1.639	29.8	17.1	124 W	68	—
1 30	11 33.32	+67 41.4	0.873	1.639	30.0	17.1	124 W	67	—
2 1	11 34.80	+68 12.1	0.876	1.639	30.2	17.1	123 W	67	—
2 6	11 36.91	+69 18.2	0.886	1.640	30.6	17.1	122 W	66	—
2 11	11 36.69	+70 8.2	0.898	1.642	31.0	17.2	121 W	65	—
2 16	11 34.25	+70 41.1	0.911	1.645	31.3	17.2	120 W	64	—
2 21	11 29.93	+70 56.1	0.926	1.649	31.7	17.3	119 W	64	—
2 23	11 27.79	+70 56.9	0.932	1.651	31.8	17.3	118 W	64	—
2 25	11 25.48	+70 54.6	0.939	1.653	31.9	17.3	118 W	64	—
2 27	11 23.06	+70 49.3	0.945	1.655	32.1	17.3	117 W	64	—
2 29	11 20.56	+70 41.0	0.952	1.657	32.2	17.4	117 W	64	—
3 2	11 18.04	+70 29.7	0.959	1.660	32.3	17.4	117 W	65	—
3 4	11 15.53	+70 15.4	0.967	1.662	32.4	17.4	116 W	65	—
3 6	11 13.09	+69 58.2	0.974	1.665	32.5	17.4	116 W	65	—
3 8	11 10.74	+69 38.2	0.982	1.668	32.6	17.4	115 E	65	—
3 10	11 8.51	+69 15.4	0.990	1.671	32.6	17.5	115 E	66	—
3 12	11 6.44	+68 50.0	0.998	1.674	32.7	17.5	114 E	66	—
3 14	11 4.53	+68 22.0	1.007	1.678	32.8	17.5	114 E	67	—
3 16	11 2.81	+67 51.5	1.015	1.681	32.9	17.5	114 E	67	—
3 18	11 1.29	+67 18.6	1.024	1.685	32.9	17.6	113 E	68	—
3 20	10 59.97	+66 43.4	1.033	1.689	33.0	17.6	113 E	68	—
3 22	10 58.87	+66 5.9	1.042	1.693	33.0	17.6	112 E	69	—
3 27	10 57.06	+64 23.4	1.067	1.703	33.1	17.7	111 E	71	—
4 1	10 56.55	+62 29.5	1.093	1.715	33.2	17.8	110 E	73	2
4 6	10 57.23	+60 26.0	1.120	1.727	33.3	17.8	109 E	75	4
4 11	10 58.94	+58 14.4	1.150	1.740	33.3	17.9	108 E	77	6
4 16	11 1.52	+55 56.3	1.181	1.753	33.3	18.0	106 E	79	8
4 21	11 4.86	+53 32.8	1.215	1.768	33.3	18.1	105 E	81	10
4 26	11 8.82	+51 5.3	1.251	1.783	33.2	18.1	104 E	84	13
5 1	11 13.33	+48 35.0	1.289	1.798	33.2	18.2	102 E	86	15
5 6	11 18.27	+46 3.1	1.329	1.815	33.1	18.3	101 E	89	18
5 11	11 23.57	+43 30.5	1.372	1.832	33.0	18.4	99 E	89	20
5 16	11 29.16	+40 57.9	1.418	1.849	32.8	18.5	98 E	86*	23
5 21	11 35.00	+38 26.3	1.465	1.867	32.6	18.6	96 E	82*	26
5 26	11 41.06	+35 56.0	1.516	1.885	32.4	18.6	94 E	78*	28
5 31	11 47.30	+33 27.9	1.568	1.904	32.1	18.7	92 E	73*	31
6 5	11 53.69	+31 2.2	1.623	1.923	31.8	18.8	91 E	69*	33
6 10	12 0.21	+28 39.5	1.680	1.942	31.5	18.9	89 E	65*	35
6 20	12 13.55	+24 3.6	1.800	1.982	30.7	19.1	85 E	57*	40
6 30	12 27.27	+19 41.4	1.928	2.023	29.7	19.2	80 E	49*	44
7 10	12 41.27	+15 33.9	2.060	2.065	28.5	19.4	76 E	43*	48*
7 20	12 55.52	+11 40.8	2.198	2.107	27.2	19.5	71 E	37*	50*
7 30	13 10.01	+ 8 1.8	2.338	2.150	25.7	19.7	67 E	32*	51*
8 9	13 24.72	+ 4 36.5	2.479	2.193	24.1	19.8	62 E	28*	50*
8 19	13 39.65	+ 1 24.1	2.619	2.236	22.3	19.9	57 E	25*	47*
8 29	13 54.81	− 1 36.0	2.758	2.280	20.4	20.0	52 E	21*	44*
9 8	14 10.19	− 4 24.3	2.892	2.323	18.5	20.1	47 E	18*	39*
9 18	14 25.78	− 7 1.4	3.021	2.367	16.4	20.2	42 E	16*	34*
9 28	14 41.60	− 9 27.9	3.143	2.410	14.3	20.2	36 E	13*	29*
10 8	14 57.61	−11 43.9	3.256	2.452	12.1	20.2	31 E	10*	24*
10 18	15 13.82	−13 50.1	3.359	2.495	9.8	20.3	25 E	8*	18*
10 28	15 30.20	−15 46.6	3.451	2.537	7.6	20.3	20 E	5*	13*
11 7	15 46.71	−17 33.8	3.530	2.578	5.3	20.2	14 E	2*	7*
11 17	16 3.32	−19 12.0	3.595	2.619	3.0	20.2	8 E	—	1*

455398 2003 AW_{72} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 27	16 19.97	−20 41.5	3.645	2.659	0.7	20.1	2 E	—	—
12 7	16 36.60	−22 2.9	3.680	2.699	1.6	20.2	4 W	—	—
12 17	16 53.16	−23 16.6	3.700	2.738	3.8	20.4	11 W	1*	3*
12 27	17 9.53	−24 23.1	3.702	2.776	5.9	20.5	17 W	4*	9*
1 6	17 25.65	−25 23.3	3.689	2.814	8.0	20.6	23 W	6*	16*
1 16	17 41.41	−26 18.1	3.659	2.851	10.0	20.7	30 W	8*	23*

200765 2001 XW_3

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 20.83	+38 21.9	2.120	2.789	17.1	20.7	124 W	83	26
12 28	10 20.44	+39 19.5	2.082	2.798	16.1	20.6	128 W	84	25
1 2	10 19.18	+40 19.3	2.048	2.807	15.0	20.5	132 W	85	24
1 7	10 17.03	+41 20.0	2.019	2.815	13.9	20.5	136 W	86	23
1 12	10 13.99	+42 20.4	1.996	2.823	12.9	20.4	140 W	87	22
1 17	10 10.08	+43 19.2	1.979	2.831	11.9	20.4	144 W	88	21
1 22	10 5.35	+44 14.9	1.967	2.839	11.1	20.3	146 W	89	20
1 27	9 59.90	+45 5.8	1.962	2.847	10.5	20.3	148 W	90	19
2 1	9 53.86	+45 50.6	1.964	2.854	10.2	20.3	149 W	89	18
2 6	9 47.41	+46 28.2	1.972	2.861	10.3	20.3	149 W	89	18
2 11	9 40.74	+46 57.5	1.987	2.868	10.7	20.4	147 W	88	17
2 16	9 34.05	+47 18.2	2.008	2.874	11.3	20.4	145 E	88	17
2 21	9 27.56	+47 30.1	2.036	2.881	12.2	20.5	142 E	87	16
2 26	9 21.47	+47 33.4	2.069	2.887	13.1	20.5	139 E	87	16
3 2	9 15.94	+47 28.5	2.107	2.893	14.1	20.6	135 E	88	17
3 7	9 11.12	+47 16.2	2.151	2.898	15.0	20.7	131 E	88	17
3 12	9 7.09	+46 57.3	2.199	2.904	15.9	20.8	127 E	88	17
3 17	9 3.90	+46 32.8	2.251	2.909	16.8	20.9	122 E	88	17
3 22	9 1.58	+46 3.6	2.307	2.914	17.5	21.0	118 E	89	18
3 27	9 0.13	+45 30.3	2.365	2.919	18.2	21.0	114 E	89	18
4 1	8 59.52	+44 53.7	2.426	2.923	18.7	21.1	110 E	90	19
4 6	8 59.70	+44 14.5	2.489	2.927	19.2	21.2	106 E	89	20
4 11	9 0.63	+43 33.3	2.553	2.931	19.5	21.3	102 E	89	20
4 16	9 2.23	+42 50.3	2.619	2.935	19.8	21.3	98 E	88	21
4 21	9 4.47	+42 6.0	2.686	2.939	19.9	21.4	94 E	86*	22
4 26	9 7.28	+41 20.5	2.752	2.942	20.0	21.4	91 E	82*	23
5 1	9 10.61	+40 34.2	2.819	2.945	20.0	21.5	87 E	78*	23

247740 2003 LY_3

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 21.21	−14 9.6	2.547	2.979	18.5	21.4	106 W	31	78
1 2	10 20.07	−15 39.8	2.418	2.972	17.4	21.2	115 W	29	80
1 12	10 16.53	−16 56.3	2.301	2.964	16.0	21.0	124 W	28	81
1 22	10 10.63	−17 54.5	2.199	2.955	14.2	20.9	132 W	27	82
2 1	10 2.59	−18 29.2	2.117	2.945	12.3	20.7	140 W	27	82
2 11	9 53.03	−18 36.8	2.058	2.934	10.6	20.6	147 W	26	83
2 21	9 42.78	−18 15.8	2.025	2.922	9.8	20.5	150 E	27	82
2 26	9 37.71	−17 55.1	2.018	2.916	9.9	20.5	150 E	27	82
3 2	9 32.86	−17 28.4	2.018	2.909	10.3	20.5	148 E	28	81
3 7	9 28.33	−16 56.4	2.024	2.903	10.9	20.5	146 E	28	81
3 12	9 24.24	−16 20.2	2.037	2.896	11.8	20.6	143 E	29	80
3 17	9 20.66	−15 40.7	2.055	2.888	12.8	20.6	140 E	29	80
3 22	9 17.66	−14 58.9	2.079	2.881	13.9	20.7	136 E	30	79
3 27	9 15.29	−14 16.0	2.108	2.873	14.9	20.7	132 E	31	78
4 1	9 13.59	−13 32.8	2.142	2.866	16.0	20.8	128 E	31	78
4 6	9 12.55	−12 50.3	2.180	2.857	17.0	20.9	124 E	32	77
4 11	9 12.18	−12 9.2	2.221	2.849	17.9	20.9	119 E	33	76
4 16	9 12.45	−11 30.1	2.265	2.841	18.7	21.0	115 E	33	76
4 21	9 13.35	−10 53.5	2.312	2.832	19.4	21.1	111 E	34*	75
4 26	9 14.84	−10 19.7	2.361	2.823	19.9	21.1	107 E	34*	74
5 1	9 16.91	− 9 49.2	2.412	2.814	20.4	21.2	103 E	34*	74
5 6	9 19.50	− 9 22.1	2.463	2.804	20.8	21.2	99 E	33*	73
5 11	9 22.59	− 8 58.5	2.516	2.794	21.1	21.3	95 E	31*	73
5 16	9 26.13	− 8 38.4	2.569	2.784	21.3	21.3	91 E	29*	73
5 21	9 30.10	− 8 22.0	2.622	2.774	21.4	21.4	88 E	27*	72*
5 26	9 34.47	− 8 9.2	2.674	2.764	21.4	21.4	84 E	25*	71*
5 31	9 39.20	− 8 0.0	2.726	2.753	21.3	21.4	81 E	22*	70*
6 5	9 44.27	− 7 54.4	2.778	2.743	21.2	21.4	77 E	19*	68*
6 10	9 49.64	− 7 52.1	2.828	2.732	21.0	21.5	74 E	17*	66*
6 15	9 55.30	− 7 53.1	2.877	2.720	20.7	21.5	71 E	14*	64*

152864 1999 XT_{143}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 21.31	+12 19.8	1.975	2.586	19.6	21.3	118 W	57	52
1 2	10 19.50	+12 44.6	1.887	2.617	17.1	21.2	129 W	58	51
1 12	10 14.75	+13 25.6	1.816	2.646	13.8	21.0	140 W	58	51
1 22	10 7.28	+14 20.0	1.764	2.675	9.9	20.8	152 W	59	50
2 1	9 57.62	+15 22.8	1.739	2.702	5.5	20.6	165 W	60	49
2 11	9 46.74	+16 27.2	1.743	2.729	1.3	20.4	177 W	61	48
2 16	9 41.19	+16 57.7	1.756	2.741	1.9	20.4	175 E	62	47
2 21	9 35.78	+17 26.0	1.777	2.754	4.1	20.6	169 E	62	47
2 26	9 30.64	+17 51.6	1.806	2.766	6.2	20.8	162 E	63	46
3 2	9 25.92	+18 13.9	1.841	2.777	8.2	20.9	156 E	63	46
3 7	9 21.71	+18 32.7	1.883	2.789	10.2	21.1	150 E	64	45

152864 1999 XT_{143} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 12	9 18.09	+18 47.8	1.932	2.800	11.9	21.2	144 E	64	45
3 17	9 15.12	+18 59.3	1.985	2.811	13.5	21.3	139 E	64	45
3 22	9 12.83	+19 7.2	2.044	2.822	14.9	21.4	133 E	64	45

138402 2000 HN_{14}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 22.14	+ 8 27.7	1.026	1.707	31.1	18.9	116 W	53	56
1 2	10 27.33	+ 8 54.0	0.957	1.725	27.7	18.7	125 W	54	55
1 12	10 28.43	+ 9 52.8	0.898	1.744	23.2	18.5	136 W	55	54
1 22	10 25.22	+11 24.2	0.853	1.763	17.6	18.2	147 W	56	53
1 27	10 22.06	+12 20.5	0.837	1.772	14.4	18.1	153 W	57	52
2 1	10 17.99	+13 22.0	0.825	1.782	11.1	17.9	160 W	58	51
2 6	10 13.18	+14 26.8	0.819	1.792	7.7	17.8	166 W	59	50
2 11	10 7.86	+15 32.4	0.819	1.802	4.4	17.6	172 W	61	48
2 16	10 2.27	+16 36.6	0.825	1.811	2.4	17.5	176 W	62	47
2 21	9 56.67	+17 37.2	0.837	1.821	4.3	17.7	172 E	63	46
2 26	9 51.33	+18 32.2	0.855	1.831	7.4	17.9	166 E	64	45
3 2	9 46.51	+19 20.2	0.878	1.841	10.6	18.1	160 E	64	45
3 7	9 42.42	+20 0.2	0.907	1.851	13.6	18.3	154 E	65	44
3 12	9 39.19	+20 31.9	0.941	1.860	16.4	18.5	148 E	66	43
3 22	9 35.62	+21 11.2	1.021	1.880	21.0	18.8	137 E	66	43
4 1	9 35.98	+21 21.0	1.116	1.899	24.6	19.2	128 E	66	43
4 11	9 39.97	+21 6.1	1.222	1.918	27.3	19.5	119 E	66	43
4 16	9 43.14	+20 50.8	1.278	1.927	28.2	19.6	115 E	66	43
4 21	9 47.00	+20 30.9	1.335	1.936	29.0	19.7	111 E	66	43
4 26	9 51.47	+20 6.8	1.394	1.945	29.6	19.9	107 E	65	44
5 1	9 56.50	+19 38.9	1.454	1.954	30.1	20.0	104 E	64*	44
5 11	10 7.93	+18 33.1	1.576	1.971	30.6	20.2	97 E	61*	45
5 21	10 20.83	+17 15.6	1.700	1.988	30.6	20.4	91 E	56*	47
5 31	10 34.87	+15 48.3	1.824	2.004	30.3	20.5	85 E	49*	48
6 10	10 49.76	+14 12.7	1.947	2.019	29.6	20.7	79 E	43*	50*
6 20	11 5.29	+12 30.2	2.068	2.034	28.7	20.8	74 E	37*	51*
6 30	11 21.35	+10 42.0	2.186	2.048	27.5	20.9	69 E	32*	51*
7 10	11 37.80	+ 8 49.4	2.301	2.061	26.2	21.0	64 E	28*	50*
7 20	11 54.59	+ 6 53.4	2.411	2.074	24.8	21.0	59 E	24*	48*
7 30	12 11.69	+ 4 55.0	2.515	2.085	23.2	21.1	54 E	20*	45*
8 9	12 29.05	+ 2 55.3	2.614	2.096	21.5	21.1	49 E	18*	41*
8 19	12 46.69	+ 0 55.3	2.705	2.106	19.7	21.2	44 E	15*	37*
8 29	13 4.61	− 1 4.2	2.790	2.114	17.8	21.2	40 E	13*	33*
9 8	13 22.81	− 3 2.0	2.866	2.122	15.8	21.2	35 E	12*	28*
9 18	13 41.31	− 4 57.2	2.934	2.129	13.8	21.2	30 E	10*	24*
9 28	14 0.13	− 6 48.9	2.993	2.135	11.8	21.1	26 E	8*	19*
10 8	14 19.28	− 8 36.0	3.042	2.141	9.7	21.1	21 E	7*	14*
10 18	14 38.77	−10 17.6	3.081	2.145	7.6	21.0	16 E	5*	9*
10 28	14 58.61	−11 52.7	3.110	2.148	5.5	21.0	12 E	3*	4*
11 7	15 18.79	−13 20.4	3.128	2.150	3.6	20.9	8 E	1*	—
11 17	15 39.30	−14 39.8	3.135	2.151	2.2	20.8	5 E	—	—
11 27	16 0.10	−15 50.0	3.130	2.151	2.7	20.8	6 W	—	—
12 7	16 21.16	−16 50.3	3.115	2.151	4.5	20.9	10 W	4*	—
12 17	16 42.44	−17 40.2	3.088	2.149	6.6	21.0	14 W	7*	3*
12 27	17 3.85	−18 19.0	3.050	2.146	8.7	21.1	19 W	10*	8*
1 6	17 25.32	−18 46.5	3.001	2.142	10.8	21.1	24 W	12*	14*
1 16	17 46.77	−19 2.7	2.942	2.138	13.0	21.2	29 W	14*	19*

188272 2003 AO_{42}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 22.41	+ 6 31.5	1.014	1.689	31.7	18.3	116 W	52	57
1 2	10 33.76	+ 4 14.3	0.919	1.666	30.0	18.0	122 W	49	60
1 12	10 42.34	+ 2 2.6	0.836	1.646	27.5	17.7	129 W	47	62
1 22	10 47.69	+ 0 1.3	0.763	1.630	24.2	17.4	137 W	45	64
1 27	10 49.03	− 0 53.4	0.732	1.623	22.2	17.2	142 W	44	65
2 1	10 49.47	− 1 43.0	0.704	1.618	19.9	17.1	146 W	43	66
2 6	10 49.04	− 2 26.7	0.681	1.613	17.6	16.9	150 W	43	66
2 11	10 47.82	− 3 3.8	0.661	1.610	15.0	16.8	155 W	42	67
2 21	10 43.42	− 3 56.1	0.634	1.606	10.1	16.5	163 W	41	68
3 2	10 37.68	− 4 18.5	0.625	1.607	7.4	16.3	168 E	41	68
3 12	10 32.50	− 4 16.0	0.634	1.613	9.8	16.5	164 E	41	68
3 17	10 30.65	− 4 8.3	0.646	1.617	12.1	16.6	160 E	41	68
3 22	10 29.52	− 3 58.1	0.662	1.623	14.6	16.8	156 E	41	68
3 27	10 29.23	− 3 46.9	0.682	1.629	17.1	16.9	151 E	41	68
4 1	10 29.87	− 3 36.0	0.705	1.637	19.4	17.1	147 E	41	68
4 6	10 31.44	− 3 26.7	0.733	1.645	21.6	17.3	143 E	42	67
4 11	10 33.93	− 3 19.7	0.764	1.655	23.5	17.4	139 E	42	67
4 21	10 41.43	− 3 15.2	0.835	1.676	26.8	17.7	131 E	42	67
5 1	10 51.90	− 3 25.5	0.917	1.702	29.3	18.0	124 E	42	67
5 11	11 4.76	− 3 51.6	1.009	1.730	31.1	18.3	118 E	41*	68
5 21	11 19.40	− 4 31.9	1.110	1.761	32.2	18.6	112 E	40*	69
5 31	11 35.41	− 5 25.1	1.219	1.795	32.8	18.9	107 E	37*	69

188272 2003 AO_{42} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 10	11 52.40	− 6 28.9	1.335	1.831	32.9	19.1	101 E	33*	70
6 20	12 10.08	− 7 40.9	1.458	1.869	32.7	19.4	96 E	30*	72
6 30	12 28.29	− 8 59.1	1.586	1.908	32.2	19.6	92 E	26*	73
7 10	12 46.86	−10 21.3	1.719	1.949	31.4	19.8	87 E	23*	74*
7 20	13 5.71	−11 45.7	1.856	1.991	30.4	19.9	82 E	20*	73*
7 30	13 24.79	−13 10.7	1.995	2.034	29.2	20.1	78 E	18*	70*
8 9	13 44.05	−14 34.7	2.137	2.077	27.8	20.3	73 E	16*	66*
8 19	14 3.46	−15 56.3	2.280	2.121	26.3	20.4	68 E	14*	62*
8 29	14 23.03	−17 14.5	2.423	2.166	24.6	20.5	63 E	13*	57*
9 8	14 42.72	−18 28.0	2.564	2.210	22.9	20.7	58 E	12*	52*
9 18	15 2.53	−19 36.0	2.702	2.255	21.0	20.8	54 E	11*	48*
9 28	15 22.44	−20 37.8	2.837	2.299	19.1	20.8	49 E	10*	43*
10 8	15 42.41	−21 32.4	2.967	2.344	17.0	20.9	43 E	9*	37*
10 18	16 2.42	−22 19.3	3.090	2.388	15.0	21.0	38 E	8*	32*
10 28	16 22.43	−22 58.1	3.205	2.432	12.8	21.0	33 E	7*	27*
11 7	16 42.37	−23 28.4	3.311	2.475	10.7	21.0	28 E	6*	21*
11 17	17 2.20	−23 50.0	3.407	2.518	8.5	21.1	22 E	4*	15*
11 27	17 21.84	−24 2.9	3.492	2.560	6.2	21.0	16 E	2*	10*
12 7	17 41.23	−24 7.0	3.564	2.602	4.0	21.0	11 E	—	4*
12 17	18 0.28	−24 2.6	3.622	2.643	1.8	20.9	5 E	—	—
12 27	18 18.92	−23 50.1	3.667	2.683	0.4	20.9	1 W	—	—
1 6	18 37.08	−23 30.0	3.696	2.723	2.6	21.1	7 W	—	1*
1 16	18 54.67	−23 2.9	3.711	2.762	4.7	21.3	13 W	1*	6*

440242 2004 RX_9

12 23	10 22.45	+21 37.5	0.799	1.550	33.2	19.9	120 W	67	42
1 2	10 24.86	+21 36.5	0.772	1.593	28.3	19.7	130 W	67	42
1 12	10 21.72	+21 52.8	0.755	1.638	22.5	19.5	140 W	67	42
1 22	10 13.52	+22 18.7	0.751	1.685	16.0	19.4	152 W	67	42
1 27	10 7.91	+22 31.6	0.756	1.709	12.6	19.3	158 W	68	41
2 1	10 1.64	+22 42.5	0.766	1.733	9.3	19.2	163 W	68	41
2 6	9 55.03	+22 49.8	0.781	1.758	6.5	19.2	168 W	68	41
2 11	9 48.39	+22 52.8	0.802	1.784	5.0	19.2	171 W	68	41
2 16	9 42.03	+22 50.8	0.829	1.809	5.8	19.3	169 E	68	41
2 21	9 36.19	+22 43.6	0.861	1.834	8.0	19.6	165 E	68	41
2 26	9 31.11	+22 31.6	0.899	1.860	10.5	19.8	160 E	68	41
3 2	9 26.93	+22 14.9	0.942	1.886	13.0	20.0	155 E	67	42
3 12	9 21.56	+21 30.2	1.043	1.938	17.5	20.4	144 E	67	42
3 22	9 20.11	+20 34.0	1.162	1.990	21.0	20.9	134 E	66	43
4 1	9 22.19	+19 29.8	1.294	2.042	23.5	21.2	125 E	64	45
4 11	9 27.19	+18 19.6	1.438	2.093	25.2	21.6	117 E	63	46

98129 2000 SD_{25}

12 23	10 22.87	−19 12.2	2.381	2.781	20.1	19.5	104 W	26	83
1 2	10 21.92	−20 36.7	2.286	2.805	19.0	19.4	112 W	24	85
1 12	10 18.44	−21 42.5	2.201	2.827	17.5	19.3	120 W	23	86
1 22	10 12.55	−22 24.3	2.129	2.849	15.6	19.2	129 W	23	86
2 1	10 4.61	−22 37.2	2.074	2.871	13.7	19.1	137 W	22	87
2 6	10 0.09	−22 31.7	2.055	2.881	12.7	19.0	140 W	22	87
2 11	9 55.34	−22 18.1	2.041	2.891	11.9	19.0	143 W	23	86
2 16	9 50.48	−21 56.5	2.033	2.901	11.2	18.9	145 E	23	86
2 21	9 45.64	−21 27.3	2.031	2.910	10.7	18.9	147 E	24	85
2 26	9 40.95	−20 51.0	2.036	2.919	10.5	18.9	147 E	24	85
3 2	9 36.54	−20 8.6	2.048	2.928	10.6	19.0	147 E	25	84
3 7	9 32.50	−19 21.1	2.065	2.937	11.0	19.0	145 E	26	83
3 12	9 28.93	−18 29.7	2.089	2.946	11.6	19.1	143 E	27	82
3 17	9 25.89	−17 35.5	2.119	2.954	12.4	19.1	140 E	27	82
3 22	9 23.43	−16 39.8	2.155	2.962	13.3	19.2	137 E	28	81
3 27	9 21.59	−15 43.5	2.196	2.970	14.2	19.3	133 E	29	80
4 1	9 20.38	−14 47.9	2.242	2.978	15.0	19.4	129 E	30	79
4 6	9 19.79	−13 53.6	2.293	2.985	15.9	19.4	125 E	31	78
4 11	9 19.82	−13 1.6	2.348	2.993	16.6	19.5	121 E	32	77
4 21	9 21.59	−11 26.0	2.467	3.006	17.9	19.7	113 E	34	75
5 1	9 25.49	−10 4.3	2.597	3.019	18.8	19.8	105 E	34*	74
5 11	9 31.21	− 8 58.1	2.734	3.031	19.3	20.0	97 E	32*	73
5 21	9 38.48	− 8 7.4	2.874	3.042	19.4	20.1	90 E	28*	72*
5 31	9 47.05	− 7 32.0	3.015	3.052	19.2	20.2	82 E	24*	70*
6 10	9 56.68	− 7 11.0	3.154	3.061	18.7	20.3	75 E	18*	67*
6 20	10 7.18	− 7 3.1	3.289	3.069	18.0	20.4	69 E	13*	62*
6 30	10 18.40	− 7 7.4	3.418	3.076	17.0	20.4	62 E	8*	56*
7 10	10 30.19	− 7 22.4	3.539	3.082	15.8	20.4	56 E	4*	50*
7 20	10 42.45	− 7 47.1	3.651	3.087	14.5	20.5	49 E	1*	43*
7 30	10 55.09	− 8 20.4	3.751	3.091	13.0	20.5	43 E	—	37*
8 9	11 8.04	− 9 1.1	3.840	3.094	11.4	20.5	37 E	—	30*
8 19	11 21.24	− 9 48.2	3.916	3.097	9.8	20.5	31 E	—	23*
8 29	11 34.64	−10 40.7	3.978	3.098	8.1	20.4	26 E	—	17*
9 8	11 48.20	−11 37.6	4.024	3.098	6.4	20.4	20 E	—	11*
9 18	12 1.88	−12 38.1	4.056	3.098	4.9	20.3	15 E	—	5*
9 28	12 15.66	−13 41.3	4.071	3.096	3.8	20.3	12 W	—	—

98129 2000 SD_{25} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 8	12 29.49	−14 46.2	4.069	3.094	3.5	20.2	11 W	—	4*
10 18	12 43.35	−15 52.1	4.051	3.090	4.3	20.3	13 W	—	7*
10 28	12 57.19	−16 58.0	4.016	3.086	5.7	20.3	18 W	3*	11*
11 7	13 10.96	−18 3.2	3.964	3.081	7.4	20.4	24 W	8*	16*
11 17	13 24.62	−19 6.9	3.896	3.074	9.1	20.4	30 W	12*	21*
11 27	13 38.08	−20 8.2	3.811	3.067	10.9	20.4	36 W	16*	26*
12 7	13 51.25	−21 6.3	3.712	3.059	12.6	20.4	43 W	19*	32*
12 17	14 4.05	−22 0.5	3.598	3.050	14.2	20.4	49 W	20*	39*
12 27	14 16.34	−22 49.9	3.472	3.040	15.6	20.4	56 W	21*	47*
1 6	14 27.96	−23 33.7	3.334	3.029	16.9	20.3	64 W	21*	54*
1 16	14 38.73	−24 11.2	3.187	3.017	18.0	20.2	71 W	21	63*

15745 Yuliya

12 23	10 23.00	+ 8 30.4	1.395	2.031	25.8	20.7	116 W	54	55
12 28	10 25.26	+ 8 50.3	1.332	2.021	24.7	20.6	121 W	54	55
1 2	10 26.76	+ 9 18.0	1.270	2.010	23.4	20.4	126 W	54	55
1 7	10 27.43	+ 9 54.1	1.212	1.999	21.8	20.3	131 W	55	54
1 12	10 27.23	+10 39.3	1.157	1.988	20.0	20.1	136 W	56	53
1 22	10 23.96	+12 37.7	1.060	1.964	15.4	19.7	148 W	58	51
2 1	10 16.77	+15 11.5	0.983	1.939	9.9	19.3	160 W	60	49
2 11	10 6.09	+18 10.4	0.931	1.913	4.3	18.9	172 W	63	46
2 16	9 59.80	+19 43.6	0.915	1.899	3.7	18.8	173 W	65	44
2 21	9 53.16	+21 15.5	0.906	1.885	6.0	18.9	169 E	66	43
2 26	9 46.45	+22 43.2	0.903	1.871	9.2	19.1	162 E	68	41
3 2	9 39.98	+24 4.2	0.907	1.856	12.6	19.2	156 E	69	40
3 7	9 34.02	+25 16.6	0.917	1.841	15.9	19.3	149 E	70	39
3 12	9 28.82	+26 19.3	0.931	1.826	19.1	19.4	143 E	71	38
3 17	9 24.56	+27 11.6	0.950	1.811	22.0	19.5	137 E	72	37
3 22	9 21.39	+27 53.7	0.973	1.795	24.6	19.7	131 E	73	36
4 1	9 18.63	+28 48.5	1.028	1.763	29.1	19.9	121 E	74	35
4 11	9 20.64	+29 8.9	1.089	1.730	32.6	20.0	112 E	74	35
4 21	9 27.01	+29 0.4	1.153	1.697	35.2	20.2	103 E	74	35
4 26	9 31.65	+28 46.7	1.186	1.680	36.2	20.3	100 E	73*	35
5 1	9 37.15	+28 27.1	1.217	1.663	37.0	20.3	96 E	72*	36
5 6	9 43.43	+28 2.0	1.249	1.645	37.8	20.4	93 E	70*	36
5 11	9 50.41	+27 31.8	1.279	1.628	38.3	20.4	90 E	67*	36
5 16	9 58.03	+26 56.5	1.308	1.611	38.8	20.5	87 E	64*	37
5 21	10 6.21	+26 16.3	1.336	1.593	39.2	20.5	84 E	61*	38
5 31	10 24.08	+24 41.8	1.388	1.559	39.7	20.5	79 E	54*	39
6 10	10 43.62	+22 49.1	1.434	1.525	40.0	20.6	75 E	48*	41*
6 20	11 4.54	+20 38.9	1.474	1.491	40.1	20.6	71 E	43*	43*
6 30	11 26.64	+18 12.0	1.509	1.459	40.0	20.6	67 E	38*	44*
7 10	11 49.77	+15 29.3	1.538	1.428	39.9	20.6	64 E	34*	45*
7 20	12 13.86	+12 32.0	1.563	1.399	39.7	20.6	61 E	31*	46*
7 30	12 38.90	+ 9 21.7	1.584	1.372	39.4	20.5	59 E	28*	46*
8 9	13 4.90	+ 6 0.8	1.602	1.348	39.0	20.5	57 E	26*	46*
8 19	13 31.91	+ 2 31.8	1.619	1.327	38.6	20.5	55 E	24*	45*
8 29	14 0.04	− 1 1.8	1.635	1.309	38.1	20.5	53 E	23*	44*
9 8	14 29.35	− 4 35.6	1.653	1.296	37.6	20.5	52 E	21*	43*
9 18	14 59.94	− 8 4.8	1.672	1.286	36.9	20.5	50 E	20*	42*
9 28	15 31.89	−11 23.8	1.695	1.282	36.1	20.5	49 E	19*	41*
10 8	16 5.16	−14 26.5	1.723	1.281	35.1	20.5	48 E	18*	40*
10 18	16 39.71	−17 7.3	1.755	1.286	34.0	20.5	46 E	17*	39*
10 28	17 15.36	−19 20.8	1.793	1.294	32.8	20.5	45 E	17*	37*
11 7	17 51.78	−21 2.6	1.836	1.307	31.4	20.5	43 E	16*	36*
11 17	18 28.63	−22 10.2	1.885	1.324	29.9	20.6	42 E	16*	34*
11 27	19 5.44	−22 42.4	1.939	1.345	28.2	20.6	40 E	16*	31*
12 7	19 41.76	−22 40.4	1.998	1.369	26.5	20.7	38 E	16*	29*
12 17	20 17.21	−22 6.6	2.060	1.395	24.7	20.7	36 E	16*	27*
12 27	20 51.49	−21 4.7	2.126	1.424	22.9	20.8	34 E	16*	24*
1 6	21 24.42	−19 39.2	2.193	1.455	21.0	20.8	32 E	15*	22*
1 16	21 55.94	−17 54.6	2.262	1.487	19.0	20.9	30 E	15*	19*

400980 2010 XJ_{56}

12 23	10 23.68	+31 3.0	0.710	1.489	34.0	19.6	122 W	76	33
12 28	10 31.47	+33 10.9	0.687	1.491	32.5	19.5	126 W	78	31
1 2	10 38.32	+35 27.8	0.668	1.494	30.9	19.4	129 W	80	29
1 7	10 44.09	+37 52.0	0.651	1.498	29.3	19.3	132 W	83	26
1 12	10 48.62	+40 20.7	0.639	1.501	27.9	19.2	134 W	85	24
1 17	10 51.75	+42 50.9	0.630	1.505	26.6	19.2	137 W	88	21
1 22	10 53.32	+45 18.6	0.625	1.510	25.6	19.1	138 W	90	19
1 27	10 53.20	+47 39.4	0.624	1.515	24.9	19.1	140 W	87	16
2 1	10 51.37	+49 48.8	0.626	1.520	24.6	19.1	140 W	85	14
2 6	10 47.93	+51 42.5	0.633	1.525	24.7	19.2	140 W	83	12
2 11	10 43.08	+53 17.2	0.643	1.531	25.1	19.2	139 W	82	11
2 16	10 37.14	+54 30.5	0.657	1.536	25.8	19.3	137 W	80	9
2 21	10 30.56	+55 20.8	0.673	1.543	26.7	19.4	135 W	80	9

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
400980 2010 XJ_{56} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 23	10 27.87	+55 34.3	0.681	1.545	27.1	19.4	135 W	79	8
2 25	10 25.20	+55 44.2	0.689	1.548	27.5	19.5	134 E	79	8
2 27	10 22.58	+55 50.4	0.697	1.550	27.9	19.5	133 E	79	8
2 29	10 20.05	+55 53.1	0.706	1.553	28.4	19.6	132 E	79	8
3 2	10 17.64	+55 52.3	0.715	1.556	28.8	19.6	131 E	79	8
3 7	10 12.29	+55 36.3	0.739	1.563	29.9	19.7	128 E	79	8
3 12	10 8.15	+55 2.2	0.766	1.570	30.9	19.8	126 E	80	9
3 17	10 5.36	+54 12.5	0.795	1.577	31.9	19.9	123 E	81	10
3 22	10 3.99	+53 9.4	0.825	1.584	32.8	20.1	121 E	82	11
3 27	10 4.02	+51 55.2	0.857	1.592	33.6	20.2	118 E	83	12
4 1	10 5.35	+50 31.9	0.891	1.600	34.3	20.3	115 E	84	13
4 6	10 7.85	+49 1.2	0.926	1.607	35.0	20.4	113 E	86	15
4 11	10 11.35	+47 24.6	0.963	1.615	35.5	20.5	111 E	88	17
4 16	10 15.72	+45 43.3	1.000	1.623	36.0	20.6	108 E	89	18
4 21	10 20.82	+43 57.9	1.039	1.631	36.3	20.7	106 E	89	20
4 26	10 26.55	+42 9.5	1.079	1.640	36.6	20.8	104 E	87	22
5 1	10 32.81	+40 18.5	1.120	1.648	36.8	20.9	101 E	85	24
5 6	10 39.50	+38 25.7	1.161	1.656	37.0	21.0	99 E	83*	26
5 11	10 46.53	+36 31.6	1.204	1.664	37.0	21.1	97 E	81*	27
5 16	10 53.85	+34 36.5	1.248	1.672	37.0	21.2	95 E	77*	29
5 21	11 1.42	+32 40.6	1.292	1.681	37.0	21.3	93 E	73*	31
5 26	11 9.19	+30 44.4	1.337	1.689	36.9	21.4	91 E	70*	33
5 31	11 17.14	+28 48.1	1.383	1.697	36.7	21.4	89 E	66*	35
158091 2000 WH_{56}									
12 23	10 24.17	+ 3 1.6	2.109	2.662	19.8	19.4	114 W	48	61
1 2	10 21.07	+ 1 56.6	2.019	2.695	17.6	19.3	124 W	47	62
1 12	10 15.18	+ 1 5.2	1.943	2.727	14.8	19.1	135 W	46	63
1 22	10 6.72	+ 0 29.0	1.887	2.759	11.5	19.0	146 W	45	64
2 1	9 56.26	+ 0 9.1	1.856	2.790	7.9	18.8	157 W	45	64
2 11	9 44.70	+ 0 4.7	1.853	2.819	5.0	18.7	166 W	45	64
2 21	9 33.16	+ 0 13.4	1.881	2.848	5.1	18.8	165 E	45	64
3 2	9 22.72	+ 0 31.4	1.939	2.876	7.8	19.0	157 E	46	63
3 12	9 14.26	+ 0 53.7	2.024	2.903	11.0	19.2	146 E	46	63
3 22	9 8.26	+ 1 16.0	2.133	2.929	13.8	19.5	136 E	46	63
4 1	9 4.92	+ 1 34.8	2.261	2.954	16.0	19.7	125 E	47	62
4 11	9 4.16	+ 1 47.6	2.402	2.978	17.6	19.9	116 E	47	62
4 21	9 5.72	+ 1 53.0	2.554	3.001	18.7	20.1	107 E	47*	62
5 1	9 9.34	+ 1 50.0	2.711	3.023	19.3	20.2	98 E	45*	62
5 11	9 14.68	+ 1 38.5	2.871	3.045	19.4	20.4	90 E	40*	62
5 21	9 21.47	+ 1 18.4	3.029	3.065	19.1	20.5	82 E	34*	62*
5 31	9 29.46	+ 0 49.9	3.185	3.084	18.5	20.6	75 E	28*	61*
6 10	9 38.41	+ 0 13.4	3.334	3.102	17.7	20.7	68 E	21*	58*
6 20	9 48.14	− 0 30.6	3.476	3.120	16.6	20.8	61 E	15*	54*
6 30	9 58.51	− 1 21.9	3.609	3.136	15.4	20.8	55 E	9*	48*
7 10	10 9.38	− 2 19.8	3.731	3.152	14.0	20.8	49 E	4*	43*
7 20	10 20.65	− 3 23.9	3.841	3.166	12.5	20.9	42 E	—	36*
7 30	10 32.23	− 4 33.8	3.938	3.179	10.9	20.9	36 E	—	30*
8 9	10 44.05	− 5 48.8	4.021	3.192	9.3	20.9	31 E	—	23*
8 19	10 56.05	− 7 8.7	4.090	3.203	7.7	20.8	25 E	—	17*
8 29	11 8.18	− 8 32.9	4.143	3.214	6.2	20.8	20 E	—	10*
9 8	11 20.39	−10 0.8	4.179	3.223	5.0	20.8	16 E	—	4*
9 18	11 32.64	−11 32.2	4.200	3.232	4.2	20.7	14 W	—	2*
9 28	11 44.89	−13 6.5	4.204	3.240	4.3	20.8	14 W	—	6*
10 8	11 57.08	−14 43.3	4.190	3.246	5.1	20.8	17 W	—	11*
10 18	12 9.18	−16 22.2	4.161	3.252	6.4	20.8	21 W	3*	15*
10 28	12 21.13	−18 2.8	4.114	3.257	7.9	20.9	27 W	8*	20*
11 7	12 32.85	−19 44.6	4.052	3.260	9.4	20.9	33 W	12*	25*
11 17	12 44.28	−21 27.3	3.974	3.263	10.9	20.9	39 W	15*	30*
11 27	12 55.31	−23 10.4	3.882	3.265	12.4	21.0	45 W	17*	37*
12 7	13 5.83	−24 53.7	3.777	3.266	13.8	20.9	52 W	18*	43*
12 17	13 15.69	−26 36.8	3.659	3.266	15.0	20.9	59 W	18*	51*
12 27	13 24.73	−28 19.1	3.532	3.264	16.0	20.9	66 W	17	59*
1 6	13 32.73	−30 0.3	3.397	3.262	16.8	20.8	74 W	15	67*
1 16	13 39.45	−31 39.7	3.256	3.259	17.4	20.7	82 W	13	76*
100316 1995 MM_2									
12 23	10 24.35	+ 5 46.5	2.040	2.610	20.0	20.8	115 W	51	58
1 2	10 23.86	+ 5 46.1	1.935	2.626	17.9	20.7	125 W	51	58
1 12	10 20.63	+ 6 3.6	1.844	2.642	15.0	20.5	136 W	51	58
1 22	10 14.73	+ 6 39.2	1.772	2.657	11.4	20.3	148 W	52	57
2 1	10 6.55	+ 7 31.1	1.723	2.670	7.3	20.0	160 W	53	56
2 6	10 1.83	+ 8 1.9	1.709	2.677	5.1	19.9	166 W	53	56
2 11	9 56.85	+ 8 34.8	1.702	2.683	2.9	19.8	172 W	54	55
2 16	9 51.75	+ 9 9.0	1.703	2.689	1.3	19.7	176 E	54	55
2 21	9 46.66	+ 9 43.8	1.711	2.695	2.5	19.8	173 E	55	54
2 26	9 41.74	+10 18.1	1.727	2.701	4.6	19.9	167 E	55	54
3 2	9 37.12	+10 51.1	1.749	2.706	6.8	20.1	161 E	56	53
3 7	9 32.93	+11 22.2	1.779	2.711	8.9	20.2	155 E	56	53
3 12	9 29.26	+11 50.8	1.815	2.716	10.8	20.3	149 E	57	52
100316 1995 MM_2 *(continuation)*									
3 22	9 23.72	+12 38.9	1.905	2.725	14.2	20.6	138 E	58	51
4 1	9 20.85	+13 13.5	2.013	2.734	17.0	20.8	127 E	58	51
4 11	9 20.67	+13 34.1	2.136	2.741	19.0	21.0	117 E	59	50
4 21	9 22.98	+13 41.5	2.269	2.747	20.4	21.2	108 E	59	50
5 1	9 27.51	+13 36.5	2.407	2.752	21.2	21.3	99 E	57*	50
5 11	9 33.94	+13 20.3	2.548	2.757	21.5	21.5	91 E	53*	51
17555 Kenkennedy									
12 23	10 24.43	− 6 56.3	1.408	1.966	28.2	18.3	109 W	38	71
12 28	10 26.27	− 6 48.7	1.372	1.984	27.0	18.2	114 W	38	71
1 2	10 27.26	− 6 32.9	1.337	2.003	25.5	18.1	119 W	38	71
1 7	10 27.42	− 6 8.3	1.305	2.022	23.9	18.0	124 W	39	70
1 12	10 26.72	− 5 34.4	1.275	2.041	22.0	17.9	129 W	39	70
1 22	10 22.86	− 3 57.7	1.226	2.080	17.6	17.8	140 W	41	68
2 1	10 16.11	− 1 43.4	1.196	2.118	12.5	17.6	152 W	43	66
2 11	10 7.45	+ 1 0.8	1.190	2.157	7.0	17.4	164 W	46	63
2 16	10 2.81	+ 2 29.8	1.197	2.176	4.7	17.3	170 W	47	62
2 21	9 58.18	+ 4 0.6	1.212	2.195	3.6	17.3	172 E	49	60
2 26	9 53.76	+ 5 31.0	1.234	2.214	4.6	17.4	170 E	51	58
3 2	9 49.72	+ 6 58.9	1.263	2.234	6.8	17.6	165 E	52	57
3 7	9 46.18	+ 8 22.3	1.299	2.253	9.2	17.7	159 E	53	56
3 12	9 43.26	+ 9 40.0	1.341	2.271	11.5	17.9	153 E	55	54
3 17	9 41.02	+10 51.0	1.390	2.290	13.6	18.1	147 E	56	53
3 22	9 39.49	+11 54.6	1.444	2.309	15.5	18.3	142 E	57	52
4 1	9 38.68	+13 39.3	1.566	2.346	18.8	18.6	131 E	59	50
4 11	9 40.70	+14 54.6	1.704	2.383	21.1	18.9	121 E	60	49
4 21	9 45.22	+15 43.6	1.853	2.419	22.6	19.1	112 E	61	48
5 1	9 51.89	+16 9.8	2.010	2.454	23.5	19.4	104 E	61*	48
5 11	10 0.31	+16 16.6	2.172	2.489	23.8	19.6	96 E	58*	48
5 21	10 10.12	+16 7.2	2.335	2.523	23.6	19.8	89 E	53*	48
5 31	10 21.03	+15 44.1	2.498	2.556	23.1	19.9	82 E	47*	48
6 10	10 32.80	+15 9.8	2.658	2.588	22.3	20.1	75 E	41*	48*
6 20	10 45.23	+14 26.0	2.815	2.620	21.2	20.2	69 E	35*	48*
6 30	10 58.18	+13 34.4	2.965	2.651	19.9	20.3	62 E	30*	46*
7 10	11 11.51	+12 36.5	3.108	2.681	18.4	20.4	56 E	26*	43*
7 20	11 25.14	+11 33.6	3.243	2.710	16.8	20.4	50 E	22*	39*
7 30	11 39.01	+10 26.8	3.368	2.738	15.1	20.5	45 E	19*	35*
8 9	11 53.05	+ 9 17.4	3.482	2.765	13.3	20.5	39 E	16*	30*
8 19	12 7.23	+ 8 6.1	3.584	2.792	11.4	20.5	33 E	14*	25*
8 29	12 21.52	+ 6 54.1	3.673	2.817	9.6	20.5	28 E	12*	19*
9 8	12 35.89	+ 5 42.3	3.749	2.842	7.7	20.5	22 E	10*	14*
9 18	12 50.32	+ 4 31.6	3.811	2.865	5.9	20.5	17 E	8*	8*
9 28	13 4.78	+ 3 22.8	3.857	2.888	4.4	20.4	13 E	6*	2*
10 8	13 19.26	+ 2 17.0	3.888	2.910	3.5	20.4	10 E	4*	—
10 18	13 33.72	+ 1 14.9	3.903	2.931	3.7	20.4	11 E	2*	—
10 28	13 48.13	+ 0 17.5	3.902	2.951	4.8	20.5	14 W	7*	—
11 7	14 2.44	− 0 34.4	3.885	2.969	6.4	20.6	19 W	13*	—
11 17	14 16.61	− 1 19.8	3.853	2.987	8.1	20.7	25 W	19*	2*
11 27	14 30.56	− 1 57.9	3.804	3.004	9.8	20.7	31 W	25*	7*
12 7	14 44.22	− 2 27.7	3.741	3.020	11.5	20.8	38 W	29*	13*
12 17	14 57.51	− 2 48.6	3.663	3.035	13.0	20.8	44 W	33*	20*
12 27	15 10.29	− 2 59.6	3.573	3.049	14.5	20.8	51 W	37*	27*
1 6	15 22.45	− 3 0.1	3.470	3.063	15.8	20.8	58 W	39*	34*
1 16	15 33.84	− 2 49.4	3.358	3.075	16.9	20.8	65 W	41*	42*
102232 1999 TX_{18}									
12 23	10 24.59	+ 4 54.0	1.943	2.514	20.9	21.0	114 W	50	59
1 2	10 24.02	+ 4 41.7	1.844	2.534	18.6	20.8	125 W	50	59
1 12	10 20.58	+ 4 47.6	1.758	2.554	15.7	20.6	135 W	50	59
1 22	10 14.37	+ 5 12.1	1.690	2.573	12.0	20.4	147 W	50	59
2 1	10 5.80	+ 5 53.9	1.645	2.590	7.7	20.2	159 W	51	58
2 11	9 55.70	+ 6 49.1	1.628	2.607	3.4	20.0	171 W	52	57
2 16	9 50.42	+ 7 19.8	1.630	2.615	2.1	19.9	175 E	52	57
2 21	9 45.18	+ 7 51.5	1.640	2.623	2.9	20.0	172 E	53	56
2 26	9 40.13	+ 8 23.3	1.657	2.630	4.9	20.1	167 E	53	56
3 2	9 35.42	+ 8 54.4	1.681	2.637	7.0	20.3	161 E	54	55
3 7	9 31.17	+ 9 23.9	1.712	2.645	9.1	20.4	155 E	54	55
3 12	9 27.46	+ 9 51.3	1.749	2.651	11.1	20.5	149 E	55	54
3 17	9 24.38	+10 16.1	1.792	2.658	12.9	20.6	143 E	55	54
3 22	9 21.96	+10 38.0	1.841	2.664	14.6	20.8	138 E	56	53
3 27	9 20.24	+10 56.8	1.894	2.670	16.0	20.9	132 E	56	53
4 1	9 19.23	+11 12.3	1.952	2.676	17.3	21.0	127 E	56	53
4 6	9 18.90	+11 24.4	2.012	2.682	18.4	21.1	122 E	56	53
4 11	9 19.23	+11 33.3	2.076	2.687	19.4	21.2	117 E	57	52
4 16	9 20.20	+11 38.9	2.143	2.692	20.1	21.3	113 E	57	52
4 21	9 21.75	+11 41.4	2.211	2.697	20.8	21.4	108 E	57	52
4 26	9 23.87	+11 40.8	2.281	2.702	21.2	21.5	104 E	56*	52

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
65425 2002 TL_{129}									
	h m	° ′			°	m	°	°	°
12 23	10 25.17	+ 7 18.7	2.110	2.681	19.4	21.3	115 W	52	57
1 2	10 24.52	+ 6 59.7	1.987	2.679	17.4	21.1	125 W	52	57
1 12	10 21.13	+ 6 55.4	1.878	2.677	14.7	20.9	136 W	52	57
1 22	10 15.00	+ 7 6.4	1.788	2.673	11.3	20.7	148 W	52	57
2 1	10 6.45	+ 7 31.7	1.721	2.668	7.3	20.4	160 W	53	56
2 11	9 56.18	+ 8 8.2	1.682	2.663	3.0	20.2	172 W	53	56
2 16	9 50.72	+ 8 29.3	1.674	2.660	1.6	20.0	176 E	53	56
2 21	9 45.23	+ 8 51.2	1.673	2.656	2.8	20.1	173 E	54	55
2 26	9 39.86	+ 9 13.4	1.679	2.653	4.9	20.3	167 E	54	55
3 2	9 34.78	+ 9 35.1	1.693	2.649	7.1	20.4	161 E	55	54
3 7	9 30.11	+ 9 55.5	1.714	2.645	9.2	20.5	155 E	55	54
3 12	9 25.96	+10 14.3	1.741	2.640	11.3	20.6	149 E	55	54
3 17	9 22.42	+10 31.0	1.774	2.636	13.2	20.7	143 E	56	53
3 22	9 19.54	+10 45.3	1.812	2.631	14.9	20.8	137 E	56	53
3 27	9 17.38	+10 56.9	1.855	2.626	16.5	20.9	132 E	56	53
4 1	9 15.94	+11 5.7	1.901	2.621	17.9	21.0	126 E	56	53
4 6	9 15.23	+11 11.6	1.952	2.615	19.1	21.1	121 E	56	53
4 11	9 15.23	+11 14.6	2.005	2.609	20.1	21.2	116 E	56	53
4 16	9 15.90	+11 14.8	2.060	2.603	21.0	21.3	112 E	56	53
4 21	9 17.22	+11 12.1	2.117	2.597	21.7	21.4	107 E	56*	53
4 26	9 19.15	+11 6.5	2.176	2.591	22.3	21.4	103 E	56*	53
5 1	9 21.66	+10 58.3	2.235	2.584	22.7	21.5	99 E	54*	53
217430 2005 SN_{25}									
12 23	10 25.52	−18 43.9	0.509	1.207	52.5	20.5	103 W	26	83
12 28	10 41.92	−20 51.4	0.472	1.185	53.8	20.3	103 W	24	85
1 2	11 0.02	−22 59.7	0.437	1.163	55.4	20.1	103 W	22	87
1 7	11 20.32	−25 6.9	0.404	1.142	57.2	20.0	103 W	20	89
1 12	11 43.41	−27 9.9	0.372	1.120	59.3	19.8	102 W	18	89
1 17	12 9.99	−29 4.2	0.344	1.098	61.8	19.7	100 W	16	87
1 22	12 40.73	−30 42.0	0.318	1.077	64.7	19.6	98 W	14	85
1 24	12 54.31	−31 14.1	0.308	1.068	66.0	19.5	97 W	14	85
1 26	13 8.67	−31 40.8	0.299	1.060	67.4	19.5	96 W	13	84
1 28	13 23.79	−32 1.2	0.291	1.052	68.8	19.4	95 W	13	84
1 30	13 39.65	−32 14.4	0.283	1.043	70.4	19.4	94 W	13	84
2 1	13 56.23	−32 19.2	0.277	1.035	71.9	19.4	93 W	13	84*
2 3	14 13.43	−32 14.8	0.271	1.027	73.6	19.4	91 W	13	83*
2 5	14 31.16	−32 0.3	0.266	1.019	75.3	19.4	90 W	13	82*
2 7	14 49.29	−31 35.2	0.261	1.012	77.0	19.4	88 W	13	81*
2 9	15 7.67	−30 59.1	0.258	1.004	78.7	19.4	86 W	14	80*
2 11	15 26.14	−30 12.1	0.256	0.996	80.4	19.4	85 W	15	79*
2 13	15 44.52	−29 14.5	0.254	0.989	82.2	19.5	83 W	16	77*
2 15	16 2.67	−28 7.3	0.254	0.982	83.8	19.5	81 W	17	75*
2 17	16 20.42	−26 51.4	0.254	0.975	85.4	19.6	80 W	18*	73*
2 19	16 37.65	−25 28.2	0.256	0.968	86.9	19.6	78 W	19*	72*
2 21	16 54.28	−23 59.3	0.258	0.962	88.3	19.7	77 W	21*	70*
2 23	17 10.24	−22 26.2	0.262	0.956	89.6	19.8	75 W	22*	68*
2 25	17 25.48	−20 50.5	0.266	0.950	90.7	19.8	74 W	23*	66*
2 27	17 39.99	−19 13.7	0.272	0.944	91.7	19.9	72 W	24*	64*
2 29	17 53.79	−17 36.9	0.278	0.939	92.5	20.0	71 W	25*	63*
3 2	18 6.88	−16 1.4	0.285	0.933	93.2	20.0	70 W	26*	61*
3 4	18 19.31	−14 27.9	0.292	0.929	93.8	20.1	69 W	27*	60*
3 6	18 31.12	−12 57.1	0.301	0.924	94.1	20.2	68 W	28*	58*
3 8	18 42.34	−11 29.6	0.309	0.920	94.4	20.2	68 W	29*	57*
3 10	18 53.03	−10 5.6	0.319	0.916	94.5	20.3	67 W	30*	56*
3 12	19 3.23	− 8 45.3	0.328	0.912	94.5	20.4	66 W	30*	55*
3 17	19 26.86	− 5 41.1	0.355	0.905	94.0	20.5	65 W	32*	53*
3 22	19 48.29	− 2 59.4	0.383	0.900	93.0	20.6	64 W	33*	52*
3 27	20 7.98	− 0 37.8	0.411	0.898	91.6	20.7	64 W	34*	51*
4 1	20 26.32	+ 1 26.3	0.441	0.898	89.9	20.8	64 W	34*	50*
4 6	20 43.62	+ 3 15.7	0.470	0.900	88.0	20.8	64 W	35*	49*
4 11	21 0.10	+ 4 53.0	0.499	0.905	86.0	20.9	64 W	35*	49*
4 16	21 15.94	+ 6 20.4	0.526	0.912	83.9	20.9	65 W	36*	49*
4 21	21 31.22	+ 7 39.7	0.553	0.921	81.8	21.0	65 W	36*	49*
4 26	21 46.00	+ 8 52.2	0.577	0.933	79.8	21.0	66 W	36*	49*
5 1	22 0.35	+ 9 58.6	0.600	0.946	77.8	21.1	67 W	37*	49*
5 6	22 14.29	+10 59.8	0.620	0.961	75.9	21.1	68 W	37*	49*
5 11	22 27.86	+11 56.4	0.638	0.978	74.0	21.2	69 W	38*	49*
5 16	22 41.08	+12 48.7	0.654	0.996	72.3	21.2	70 W	39*	49*
5 21	22 53.92	+13 37.0	0.666	1.015	70.6	21.2	71 W	39*	49*
5 26	23 6.39	+14 21.2	0.676	1.035	69.0	21.2	72 W	40*	49*
5 31	23 18.46	+15 1.2	0.684	1.055	67.5	21.3	74 W	41*	48*
6 5	23 30.15	+15 36.9	0.689	1.076	66.0	21.3	76 W	43*	48*
6 10	23 41.42	+16 8.1	0.691	1.097	64.6	21.3	78 W	44*	48*
6 15	23 52.27	+16 34.7	0.690	1.119	63.2	21.3	80 W	46*	47
6 20	0 2.65	+16 56.2	0.687	1.141	61.8	21.3	82 W	47*	47
6 25	0 12.51	+17 12.1	0.681	1.163	60.4	21.3	84 W	49*	47
6 30	0 21.81	+17 21.8	0.673	1.184	59.0	21.2	87 W	51*	47
7 5	0 30.51	+17 24.9	0.662	1.206	57.5	21.2	89 W	53*	47
7 10	0 38.55	+17 20.8	0.650	1.227	55.9	21.1	92 W	55*	47

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
217430 2005 SN_{25} *(continuation)*									
	h m	° ′			°	m	°	°	°
7 15	0 45.87	+17 8.7	0.636	1.248	54.2	21.1	95 W	57*	47
7 20	0 52.35	+16 47.5	0.620	1.268	52.4	21.0	99 W	59*	47
7 25	0 57.91	+16 16.2	0.603	1.288	50.4	20.9	102 W	60*	48
7 30	1 2.45	+15 33.7	0.585	1.308	48.1	20.8	106 W	60*	48
8 4	1 5.87	+14 38.7	0.567	1.327	45.6	20.7	111 W	60	49
8 9	1 8.07	+13 30.0	0.548	1.345	42.8	20.6	116 W	58	51
8 14	1 8.90	+12 6.2	0.530	1.363	39.7	20.5	121 W	57	52
8 19	1 8.27	+10 26.3	0.513	1.380	36.2	20.3	126 W	55	54
8 29	1 2.40	+ 6 16.3	0.484	1.412	28.0	20.0	139 W	51	58
9 8	0 50.69	+ 1 8.9	0.468	1.441	18.4	19.7	153 W	46	63
9 18	0 34.57	− 4 24.2	0.471	1.467	9.0	19.4	167 W	41	68
9 23	0 25.75	− 7 4.6	0.480	1.479	6.4	19.3	170 W	38	71
9 28	0 17.02	− 9 32.1	0.495	1.490	7.7	19.5	168 E	35	74
10 3	0 8.80	−11 41.9	0.515	1.501	11.3	19.7	163 E	33	76
10 8	0 1.44	−13 31.2	0.540	1.510	15.3	20.0	157 E	31	78
10 13	23 55.18	−14 59.1	0.570	1.519	19.1	20.3	150 E	30	79
10 18	23 50.21	−16 5.9	0.604	1.527	22.5	20.5	144 E	29	80
10 23	23 46.60	−16 53.2	0.641	1.534	25.6	20.7	138 E	28	81
10 28	23 44.37	−17 23.1	0.681	1.541	28.2	21.0	133 E	28	81
11 2	23 43.43	−17 37.8	0.724	1.546	30.4	21.2	128 E	27	82
11 7	23 43.70	−17 39.4	0.769	1.551	32.4	21.3	123 E	27	82
405587 2005 SY_{14}									
12 23	10 25.52	+ 0 24.1	1.092	1.725	31.8	20.4	112 W	45	64
12 28	10 29.51	− 0 14.9	1.062	1.736	30.6	20.3	116 W	45	64
1 2	10 32.60	− 0 47.8	1.034	1.749	29.1	20.3	120 W	44	65
1 7	10 34.76	− 1 13.9	1.007	1.762	27.4	20.2	125 W	44	65
1 12	10 35.98	− 1 32.6	0.984	1.776	25.4	20.1	129 W	43	66
1 22	10 35.56	− 1 46.0	0.944	1.806	21.0	19.9	139 W	43	66
2 1	10 31.62	− 1 25.4	0.920	1.838	15.7	19.7	150 W	44	65
2 11	10 25.04	− 0 33.2	0.913	1.873	10.0	19.5	161 W	44	65
2 16	10 21.18	+ 0 2.6	0.918	1.891	7.4	19.4	166 W	45	64
2 21	10 17.19	+ 0 43.2	0.929	1.910	5.3	19.4	170 W	46	63
2 26	10 13.29	+ 1 26.8	0.945	1.929	4.7	19.4	171 E	46	63
3 2	10 9.68	+ 2 11.7	0.967	1.948	5.9	19.5	168 E	47	62
3 7	10 6.54	+ 2 56.3	0.995	1.968	8.1	19.7	164 E	48	61
3 12	10 3.98	+ 3 39.1	1.029	1.988	10.4	19.9	159 E	49	60
3 17	10 2.10	+ 4 18.9	1.068	2.008	12.8	20.1	154 E	49	60
3 22	10 0.95	+ 4 54.9	1.112	2.029	14.9	20.3	148 E	50	59
4 1	10 0.95	+ 5 53.0	1.214	2.071	18.7	20.7	138 E	51	58
4 11	10 3.89	+ 6 30.7	1.332	2.114	21.5	21.0	129 E	52	57
4 21	10 9.39	+ 6 48.6	1.464	2.157	23.6	21.3	121 E	52	57
5 1	10 17.06	+ 6 48.0	1.605	2.201	25.0	21.6	113 E	52	57
388798 2008 BU_{2}									
12 23	10 26.62	+20 48.6	1.194	1.882	27.1	21.3	119 W	66	43
12 28	10 22.40	+22 52.2	1.162	1.912	24.7	21.2	126 W	68	41
1 2	10 16.67	+25 5.1	1.136	1.940	22.0	21.1	132 W	70	39
1 7	10 9.34	+27 24.9	1.115	1.966	19.2	21.0	139 W	72	37
1 12	10 0.41	+29 48.0	1.102	1.992	16.2	20.9	146 W	75	34
1 17	9 49.95	+32 10.1	1.096	2.016	13.5	20.8	151 W	77	32
1 22	9 38.12	+34 26.2	1.099	2.038	11.2	20.7	156 W	79	30
1 27	9 25.22	+36 31.3	1.110	2.060	9.9	20.7	159 W	82	27
2 1	9 11.68	+38 21.4	1.131	2.080	9.9	20.8	159 W	83	26
2 6	8 58.00	+39 53.6	1.161	2.100	11.1	20.9	156 E	85	24
2 11	8 44.71	+41 7.1	1.199	2.118	13.0	21.1	151 E	86	23
2 16	8 32.26	+42 2.2	1.245	2.134	15.2	21.3	146 E	87	22
2 21	8 21.02	+42 40.7	1.298	2.150	17.3	21.4	140 E	88	21
2 26	8 11.26	+43 4.7	1.356	2.165	19.2	21.6	134 E	88	21
3 2	8 3.13	+43 17.1	1.419	2.178	20.9	21.8	128 E	88	21
248818 2006 SZ_{217}									
12 23	10 26.94	−34 15.1	1.060	1.505	40.6	20.0	95 W	11	82
12 28	10 28.81	−36 36.1	1.052	1.525	39.8	20.0	97 W	8	79
1 2	10 29.55	−38 48.4	1.045	1.545	38.9	20.0	99 W	6	77
1 7	10 29.10	−40 50.6	1.037	1.564	38.0	20.0	101 W	4	75
1 12	10 27.38	−42 41.6	1.030	1.584	37.1	20.0	104 W	2	73
1 17	10 24.37	−44 19.7	1.024	1.604	36.1	19.9	106 W	1	72
1 22	10 20.07	−45 43.4	1.018	1.623	35.1	19.9	108 W	—	70
1 27	10 14.53	−46 50.9	1.013	1.643	34.1	19.9	111 W	—	69
2 1	10 7.93	−47 40.3	1.009	1.662	33.1	19.9	113 W	—	68
2 6	10 0.52	−48 10.5	1.006	1.681	32.1	19.9	115 W	—	68
2 11	9 52.59	−48 20.6	1.005	1.700	31.1	19.9	117 W	—	68
2 16	9 44.50	−48 10.2	1.005	1.718	30.2	19.9	119 E	—	68
2 21	9 36.62	−47 39.5	1.008	1.736	29.3	19.9	121 E	—	68
2 26	9 29.33	−46 49.3	1.013	1.754	28.5	19.9	122 E	—	69
3 2	9 22.94	−45 41.6	1.021	1.772	27.8	19.9	123 E	—	70
3 7	9 17.67	−44 18.5	1.032	1.789	27.3	20.0	124 E	1	72

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		248818 2006 SZ_{217}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 12	9 13.65	−42 43.0	1.045	1.806	26.9	20.0	125 E	2	73
3 17	9 10.94	−40 57.6	1.062	1.823	26.6	20.0	125 E	4	75
3 22	9 9.53	−39 5.2	1.083	1.840	26.6	20.1	124 E	6	77
3 27	9 9.38	−37 8.5	1.107	1.856	26.6	20.2	124 E	8	79
4 1	9 10.41	−35 10.2	1.134	1.871	26.8	20.2	122 E	10	81
4 6	9 12.53	−33 12.6	1.165	1.886	27.1	20.3	121 E	12	83
4 11	9 15.61	−31 17.6	1.199	1.901	27.4	20.4	119 E	14	85
4 16	9 19.54	−29 26.6	1.237	1.916	27.8	20.5	117 E	16	87
4 21	9 24.24	−27 40.9	1.277	1.930	28.2	20.6	115 E	17	88
4 26	9 29.60	−26 1.4	1.321	1.943	28.6	20.7	113 E	19*	90
5 1	9 35.55	−24 28.8	1.367	1.957	28.9	20.8	110 E	20*	88
5 6	9 41.99	−23 3.6	1.416	1.970	29.3	20.9	107 E	21*	87
5 11	9 48.87	−21 45.9	1.468	1.982	29.5	21.0	105 E	21*	86
5 16	9 56.10	−20 35.6	1.521	1.994	29.7	21.1	102 E	21*	85
5 21	10 3.66	−19 32.8	1.576	2.006	29.9	21.2	99 E	20*	84
5 26	10 11.49	−18 37.1	1.633	2.017	29.9	21.3	96 E	20*	83
5 31	10 19.55	−17 48.5	1.691	2.027	29.9	21.4	94 E	19*	82
6 5	10 27.80	−17 6.5	1.750	2.038	29.9	21.5	91 E	17*	81*
		48621 1995 OC							
12 23	10 27.16	+ 7 28.3	2.167	2.729	19.1	20.7	115 W	52	57
1 2	10 26.50	+ 7 31.0	2.055	2.742	17.1	20.6	125 W	53	56
1 12	10 23.17	+ 7 50.2	1.958	2.753	14.3	20.4	136 W	53	56
1 22	10 17.25	+ 8 25.7	1.880	2.764	10.9	20.2	148 W	53	56
2 1	10 9.08	+ 9 15.3	1.826	2.773	6.9	19.9	160 W	54	55
2 6	10 4.36	+ 9 44.0	1.809	2.777	4.7	19.8	167 W	55	54
2 11	9 59.36	+10 14.4	1.800	2.781	2.5	19.7	173 W	55	54
2 16	9 54.23	+10 45.7	1.798	2.785	0.7	19.5	178 E	56	53
2 21	9 49.08	+11 17.2	1.804	2.789	2.2	19.7	174 E	56	53
2 26	9 44.07	+11 47.9	1.817	2.792	4.4	19.8	168 E	57	52
3 2	9 39.33	+12 17.1	1.838	2.795	6.5	19.9	161 E	57	52
3 7	9 34.99	+12 44.3	1.866	2.798	8.5	20.1	155 E	58	51
3 12	9 31.13	+13 8.9	1.900	2.800	10.5	20.2	149 E	58	51
3 22	9 25.14	+13 49.2	1.986	2.805	13.8	20.4	138 E	59	50
4 1	9 21.75	+14 16.4	2.092	2.808	16.5	20.6	127 E	59	50
4 11	9 21.02	+14 30.4	2.212	2.810	18.6	20.8	117 E	60	49
4 21	9 22.76	+14 32.0	2.342	2.811	19.9	21.0	107 E	60	49
5 1	9 26.75	+14 22.1	2.477	2.811	20.8	21.1	99 E	58*	50
5 11	9 32.67	+14 1.6	2.615	2.811	21.1	21.3	90 E	53*	50
5 21	9 40.22	+13 31.5	2.751	2.809	20.9	21.4	83 E	47*	50
5 31	9 49.13	+12 52.6	2.885	2.806	20.5	21.5	75 E	40*	51*
		83988 2002 LC_{34}							
12 23	10 27.73	+ 9 37.6	1.811	2.404	21.7	20.5	115 W	55	54
1 2	10 28.02	+10 3.6	1.717	2.427	19.2	20.4	126 W	55	54
1 12	10 25.27	+10 49.9	1.637	2.448	15.9	20.2	137 W	56	53
1 22	10 19.54	+11 54.9	1.575	2.469	11.9	20.0	149 W	57	52
1 27	10 15.65	+12 33.3	1.552	2.479	9.7	19.9	155 W	58	51
2 1	10 11.21	+13 14.3	1.536	2.489	7.3	19.7	161 W	58	51
2 6	10 6.33	+13 57.1	1.527	2.499	4.9	19.6	168 W	59	50
2 11	10 1.15	+14 40.4	1.525	2.508	2.5	19.5	174 W	60	49
2 16	9 55.82	+15 23.1	1.531	2.518	1.1	19.4	177 W	60	49
2 21	9 50.51	+16 4.1	1.543	2.527	3.0	19.6	172 E	61	48
2 26	9 45.39	+16 42.4	1.563	2.535	5.4	19.7	166 E	62	47
3 2	9 40.61	+17 17.2	1.591	2.544	7.7	19.9	160 E	62	47
3 7	9 36.30	+17 47.9	1.624	2.552	9.9	20.0	154 E	63	46
3 12	9 32.57	+18 14.2	1.664	2.560	11.9	20.2	148 E	63	46
3 22	9 27.12	+18 52.8	1.760	2.576	15.5	20.4	136 E	64	45
4 1	9 24.57	+19 13.5	1.875	2.590	18.2	20.7	126 E	64	45
4 11	9 24.88	+19 17.8	2.002	2.604	20.2	20.9	116 E	64	45
4 21	9 27.79	+19 7.8	2.138	2.617	21.5	21.1	107 E	64	45
5 1	9 32.99	+18 45.4	2.280	2.628	22.3	21.3	99 E	62*	45
5 11	9 40.09	+18 12.2	2.424	2.639	22.5	21.4	91 E	58*	46
		338523 2003 QR_{89}							
12 23	10 28.96	+ 6 17.5	2.205	2.755	19.1	21.1	114 W	51	58
1 2	10 28.96	+ 5 14.1	2.041	2.712	17.6	20.8	124 W	50	59
1 12	10 26.28	+ 4 18.3	1.891	2.670	15.4	20.6	134 W	49	60
1 22	10 20.75	+ 3 31.4	1.759	2.626	12.4	20.3	145 W	49	60
2 1	10 12.41	+ 2 55.1	1.650	2.582	8.9	19.9	156 W	48	61
2 11	10 1.75	+ 2 29.9	1.567	2.537	5.2	19.6	166 W	47	62
2 21	9 49.63	+ 2 15.3	1.513	2.492	4.2	19.5	169 E	47	62
3 2	9 37.34	+ 2 9.6	1.489	2.446	7.7	19.6	161 E	47	62
3 12	9 26.24	+ 2 9.1	1.491	2.400	12.2	19.7	149 E	47	62
3 22	9 17.49	+ 2 10.1	1.518	2.353	16.5	19.8	138 E	47	62
4 1	9 11.84	+ 2 8.6	1.562	2.307	20.2	20.0	127 E	47	62
4 11	9 9.60	+ 2 1.3	1.620	2.260	23.3	20.1	117 E	47	62
4 21	9 10.70	+ 1 45.7	1.686	2.213	25.6	20.2	108 E	47*	62
5 1	9 14.93	+ 1 20.3	1.756	2.166	27.3	20.3	100 E	44*	63

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		338523 2003 QR_{89}				*(continuation)*			
	h m	° ′			°	m	°	°	°
5 11	9 21.95	+ 0 43.7	1.827	2.119	28.4	20.4	92 E	40*	63
5 21	9 31.42	− 0 4.6	1.895	2.073	29.1	20.4	85 E	34*	64*
5 31	9 43.03	− 1 5.1	1.960	2.028	29.4	20.5	79 E	28*	64*
6 10	9 56.53	− 2 17.7	2.020	1.983	29.4	20.5	73 E	22*	62*
6 20	10 11.70	− 3 42.3	2.074	1.939	29.1	20.5	68 E	16*	60*
6 30	10 28.39	− 5 18.7	2.121	1.896	28.6	20.5	63 E	11*	57*
7 10	10 46.49	− 7 6.0	2.163	1.855	28.0	20.5	59 E	7*	53*
7 20	11 5.95	− 9 3.3	2.199	1.816	27.2	20.4	55 E	4*	49*
7 30	11 26.74	−11 9.5	2.230	1.779	26.4	20.4	51 E	1*	45*
8 9	11 48.85	−13 22.6	2.256	1.744	25.5	20.3	48 E	—	41*
8 19	12 12.34	−15 40.6	2.279	1.712	24.5	20.3	45 E	—	37*
8 29	12 37.26	−18 0.9	2.300	1.683	23.5	20.2	42 E	—	34*
9 8	13 3.64	−20 20.2	2.319	1.658	22.4	20.2	39 E	—	31*
9 18	13 31.55	−22 34.7	2.337	1.636	21.2	20.2	36 E	—	28*
9 28	14 1.01	−24 40.4	2.357	1.619	20.0	20.1	34 E	—	26*
10 8	14 31.94	−26 32.6	2.377	1.606	18.7	20.1	31 E	—	24*
10 18	15 4.24	−28 6.9	2.400	1.597	17.3	20.0	29 E	—	21*
10 28	15 37.67	−29 19.3	2.426	1.594	15.9	20.0	26 E	—	19*
11 7	16 11.90	−30 6.1	2.454	1.595	14.3	20.0	23 E	—	17*
11 17	16 46.51	−30 25.2	2.486	1.600	12.7	19.9	21 E	—	15*
11 27	17 21.03	−30 15.4	2.520	1.611	10.9	19.9	18 E	—	12*
12 7	17 54.99	−29 37.3	2.556	1.626	9.1	19.9	15 E	—	9*
12 17	18 28.00	−28 32.5	2.594	1.645	7.2	19.9	12 E	—	6*
12 27	18 59.75	−27 3.8	2.632	1.668	5.3	19.8	9 E	—	3*
1 6	19 30.01	−25 14.3	2.670	1.695	3.4	19.8	6 E	—	—
1 16	19 58.72	−23 7.6	2.707	1.725	1.6	19.8	3 E	—	—
		162038 1996 DH							
12 23	10 29.22	+ 9 30.0	1.393	2.018	26.2	20.0	115 W	54	55
1 2	10 27.93	+ 8 9.1	1.278	2.011	23.6	19.8	125 W	53	56
1 12	10 22.41	+ 6 57.7	1.174	2.002	19.9	19.5	136 W	52	57
1 22	10 12.36	+ 5 57.4	1.088	1.991	15.2	19.1	148 W	51	58
2 1	9 58.02	+ 5 10.2	1.023	1.979	9.6	18.8	160 W	50	59
2 11	9 40.61	+ 4 36.4	0.984	1.964	4.9	18.4	170 W	50	59
2 21	9 22.21	+ 4 14.9	0.974	1.947	7.3	18.5	165 E	49	60
3 2	9 5.28	+ 4 3.0	0.991	1.929	13.4	18.8	153 E	49	60
3 7	8 58.06	+ 3 59.2	1.009	1.919	16.4	18.9	147 E	49	60
3 12	8 51.92	+ 3 56.0	1.032	1.908	19.2	19.0	141 E	49	60
3 17	8 46.93	+ 3 53.0	1.060	1.897	21.8	19.2	135 E	49	60
3 22	8 43.17	+ 3 49.6	1.091	1.886	24.2	19.3	129 E	49	60
4 1	8 39.28	+ 3 39.8	1.162	1.862	28.1	19.5	119 E	49	60
4 11	8 39.89	+ 3 23.4	1.239	1.836	31.0	19.7	110 E	48	61
4 21	8 44.38	+ 2 58.5	1.320	1.808	33.0	19.9	101 E	47*	61
5 1	8 52.16	+ 2 23.5	1.399	1.778	34.4	20.0	94 E	44*	62
5 11	9 2.67	+ 1 37.4	1.475	1.747	35.3	20.1	87 E	39*	62*
5 21	9 15.46	+ 0 39.6	1.547	1.715	35.7	20.2	81 E	33*	63*
5 31	9 30.19	− 0 30.2	1.612	1.680	35.8	20.2	76 E	27*	62*
6 10	9 46.59	− 1 52.1	1.669	1.645	35.7	20.3	71 E	21*	61*
6 20	10 4.50	− 3 25.7	1.719	1.608	35.4	20.3	66 E	15*	59*
6 30	10 23.83	− 5 10.9	1.761	1.570	35.0	20.2	62 E	11*	56*
7 10	10 44.51	− 7 6.8	1.794	1.532	34.5	20.2	59 E	7*	52*
7 20	11 6.56	− 9 12.2	1.820	1.493	33.9	20.2	55 E	4*	49*
7 30	11 30.07	−11 25.8	1.839	1.454	33.4	20.1	52 E	1*	46*
8 9	11 55.12	−13 45.4	1.851	1.414	32.9	20.1	49 E	—	42*
8 19	12 21.88	−16 8.4	1.857	1.376	32.3	20.0	47 E	—	39*
8 29	12 50.52	−18 31.2	1.858	1.338	31.9	19.9	44 E	—	37*
9 8	13 21.20	−20 49.3	1.856	1.302	31.4	19.9	42 E	—	35*
9 18	13 54.09	−22 57.1	1.851	1.268	31.0	19.8	41 E	—	33*
9 28	14 29.26	−24 48.2	1.845	1.237	30.6	19.7	39 E	—	32*
10 3	14 47.69	−25 35.3	1.842	1.223	30.4	19.7	38 E	—	31*
10 8	15 6.65	−26 15.4	1.839	1.210	30.2	19.6	37 E	—	31*
10 13	15 26.12	−26 47.7	1.837	1.198	29.9	19.6	37 E	1*	30*
10 18	15 46.03	−27 11.3	1.835	1.187	29.7	19.6	36 E	2*	30*
10 23	16 6.33	−27 25.6	1.834	1.177	29.5	19.6	36 E	3*	30*
10 28	16 26.93	−27 29.8	1.833	1.168	29.2	19.5	35 E	4*	29*
11 2	16 47.74	−27 23.4	1.833	1.161	29.0	19.5	35 E	5*	29*
11 7	17 8.68	−27 6.0	1.835	1.156	28.7	19.5	34 E	6*	28*
11 12	17 29.64	−26 37.7	1.838	1.152	28.4	19.5	34 E	7*	27*
11 17	17 50.54	−25 58.4	1.842	1.149	28.1	19.5	33 E	8*	26*
11 22	18 11.28	−25 8.4	1.847	1.148	27.7	19.5	33 E	10*	26*
11 27	18 31.77	−24 8.1	1.853	1.148	27.4	19.5	32 E	11*	25*
12 2	18 51.96	−22 58.1	1.861	1.150	27.0	19.5	32 E	12*	23*
12 7	19 11.80	−21 39.2	1.871	1.154	26.6	19.5	32 E	14*	22*
12 12	19 31.24	−20 12.2	1.882	1.159	26.2	19.5	31 E	15*	21*
12 17	19 50.27	−18 37.8	1.894	1.165	25.7	19.5	31 E	16*	19*
12 22	20 8.86	−16 57.2	1.908	1.173	25.2	19.5	31 E	17*	18*
12 27	20 27.02	−15 11.1	1.924	1.182	24.7	19.5	30 E	18*	16*
1 1	20 44.76	−13 20.4	1.941	1.193	24.2	19.6	30 E	19*	15*
1 6	21 2.09	−11 26.2	1.959	1.204	23.7	19.6	29 E	20*	13*
1 11	21 19.04	− 9 29.2	1.979	1.217	23.1	19.6	29 E	20*	12*
1 16	21 35.63	− 7 30.2	2.001	1.231	22.5	19.6	29 E	21*	10*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	350973 2003 *EN*$_{31}$								
	h m	° ′			°	m	°	°	°
12 23	10 30.34	+ 8 21.1	1.294	1.922	27.8	20.3	114 W	53	56
1 2	10 37.61	+ 6 46.6	1.163	1.882	26.2	20.0	122 W	52	57
1 12	10 42.10	+ 5 17.4	1.042	1.842	23.8	19.6	131 W	50	59
1 22	10 43.28	+ 3 55.8	0.933	1.803	20.5	19.2	140 W	49	60
2 1	10 40.74	+ 2 45.0	0.841	1.765	16.1	18.8	150 W	48	61
2 11	10 34.47	+ 1 47.5	0.766	1.728	10.9	18.4	161 W	47	62
2 21	10 25.08	+ 1 5.5	0.711	1.693	5.9	18.0	170 W	46	63
3 2	10 14.06	+ 0 39.0	0.677	1.660	6.9	17.9	168 E	46	63
3 12	10 3.62	+ 0 24.4	0.663	1.629	13.0	18.0	158 E	45	64
3 17	9 59.30	+ 0 19.7	0.664	1.614	16.3	18.1	153 E	45	64
3 22	9 55.90	+ 0 15.7	0.668	1.601	19.5	18.2	148 E	45	64
3 27	9 53.58	+ 0 11.4	0.676	1.587	22.6	18.3	142 E	45	64
4 1	9 52.47	+ 0 5.8	0.687	1.575	25.4	18.4	137 E	45	64
4 6	9 52.62	− 0 1.7	0.701	1.563	28.0	18.5	133 E	45	64
4 11	9 54.02	− 0 12.0	0.717	1.553	30.4	18.6	128 E	45	64
4 21	10 0.43	− 0 41.9	0.755	1.534	34.3	18.8	121 E	44	65
5 1	10 11.24	− 1 26.6	0.799	1.519	37.3	19.0	114 E	44*	65
5 11	10 25.79	− 2 27.2	0.848	1.508	39.5	19.2	108 E	42*	66
5 21	10 43.39	− 3 42.9	0.900	1.502	41.0	19.4	103 E	38*	68
5 31	11 3.50	− 5 12.5	0.955	1.500	41.9	19.5	99 E	35*	69
6 10	11 25.59	− 6 53.7	1.014	1.502	42.3	19.7	95 E	30*	71
6 20	11 49.23	− 8 43.6	1.077	1.508	42.3	19.8	92 E	26*	73
6 30	12 14.13	−10 39.3	1.145	1.519	42.0	19.9	89 E	23*	75*
7 10	12 39.97	−12 37.2	1.217	1.534	41.4	20.1	86 E	20*	76*
7 20	13 6.55	−14 33.9	1.295	1.553	40.6	20.2	83 E	18*	76*
7 30	13 33.71	−16 26.4	1.379	1.575	39.5	20.4	81 E	16*	74*
8 9	14 1.28	−18 11.9	1.468	1.601	38.3	20.5	78 E	15*	72*
8 19	14 29.11	−19 47.6	1.563	1.629	36.9	20.6	75 E	14*	69*
8 29	14 57.12	−21 11.7	1.663	1.660	35.4	20.8	72 E	14*	66*
9 8	15 25.17	−22 22.6	1.767	1.694	33.8	20.9	69 E	13*	63*
9 18	15 53.14	−23 19.0	1.876	1.729	32.0	21.0	66 E	13*	60*
9 28	16 20.96	−24 0.3	1.989	1.766	30.2	21.1	62 E	14*	56*
10 8	16 48.47	−24 26.1	2.104	1.804	28.3	21.2	59 E	14*	53*
10 18	17 15.59	−24 36.4	2.221	1.843	26.3	21.4	55 E	14*	49*
10 28	17 42.24	−24 31.6	2.338	1.882	24.3	21.5	51 E	15*	45*
	110083 2001 *SV*$_{115}$								
12 23	10 30.69	+41 10.4	2.551	3.185	15.2	21.1	122 W	86	23
12 28	10 29.73	+41 43.7	2.490	3.174	14.4	21.0	126 W	87	22
1 2	10 27.94	+42 18.4	2.434	3.163	13.7	20.9	131 W	87	22
1 7	10 25.30	+42 53.9	2.382	3.152	12.8	20.8	135 W	88	21
1 12	10 21.80	+43 29.1	2.335	3.141	12.0	20.7	139 W	88	21
1 17	10 17.45	+44 3.0	2.294	3.129	11.1	20.7	142 W	89	20
1 22	10 12.28	+44 34.3	2.258	3.117	10.4	20.6	145 W	90	19
1 27	10 6.37	+45 1.6	2.230	3.105	9.8	20.5	147 W	90	19
2 1	9 59.82	+45 23.9	2.207	3.093	9.5	20.5	149 W	90	19
2 6	9 52.80	+45 39.8	2.192	3.081	9.4	20.5	149 W	89	18
2 11	9 45.48	+45 48.6	2.183	3.068	9.7	20.5	148 W	89	18
2 16	9 38.05	+45 49.7	2.181	3.055	10.2	20.5	147 E	89	18
2 21	9 30.72	+45 42.7	2.186	3.042	11.0	20.5	144 E	89	18
2 26	9 23.69	+45 27.7	2.197	3.029	12.0	20.5	141 E	90	19
3 2	9 17.15	+45 5.0	2.215	3.015	13.0	20.6	137 E	90	19
3 7	9 11.24	+44 35.3	2.238	3.002	14.0	20.6	133 E	90	19
3 12	9 6.08	+43 59.4	2.266	2.988	15.1	20.7	129 E	89	20
3 17	9 1.73	+43 18.0	2.299	2.974	16.1	20.7	124 E	88	21
3 22	8 58.25	+42 32.2	2.335	2.959	17.0	20.8	120 E	88	21
3 27	8 55.63	+41 42.6	2.376	2.945	17.8	20.9	115 E	87	22
4 1	8 53.89	+40 50.1	2.419	2.930	18.6	20.9	111 E	86	23
4 6	8 52.97	+39 55.4	2.465	2.915	19.2	21.0	107 E	85	24
4 11	8 52.84	+38 58.9	2.513	2.900	19.7	21.0	102 E	84	25
4 16	8 53.44	+38 1.2	2.563	2.885	20.1	21.0	98 E	83*	26
4 21	8 54.72	+37 2.6	2.613	2.869	20.4	21.1	94 E	81*	27
4 26	8 56.63	+36 3.2	2.664	2.853	20.7	21.1	90 E	77*	28
5 1	8 59.11	+35 3.3	2.715	2.838	20.8	21.2	86 E	73*	29
5 6	9 2.11	+34 3.0	2.766	2.821	20.8	21.2	83 E	68*	30
5 11	9 5.57	+33 2.5	2.816	2.805	20.7	21.2	79 E	64*	31
5 16	9 9.46	+32 1.6	2.866	2.789	20.5	21.2	75 E	59*	32*
5 21	9 13.73	+31 0.4	2.914	2.772	20.3	21.2	72 E	55*	33*
5 26	9 18.34	+29 58.9	2.961	2.755	20.0	21.3	68 E	51*	33*
5 31	9 23.27	+28 57.0	3.006	2.738	19.6	21.3	65 E	47*	34*
6 5	9 28.47	+27 54.8	3.050	2.721	19.2	21.3	62 E	43*	34*
6 10	9 33.91	+26 52.1	3.091	2.703	18.7	21.3	59 E	39*	34*
6 15	9 39.58	+25 49.0	3.130	2.686	18.1	21.3	55 E	35*	33*
6 20	9 45.45	+24 45.3	3.167	2.668	17.5	21.3	52 E	32*	33*
6 25	9 51.51	+23 41.0	3.201	2.650	16.9	21.2	49 E	29*	32*
6 30	9 57.73	+22 36.0	3.233	2.632	16.2	21.2	46 E	26*	31*
7 5	10 4.10	+21 30.4	3.262	2.614	15.4	21.2	43 E	23*	29*
7 10	10 10.60	+20 24.1	3.288	2.595	14.6	21.2	40 E	20*	28*
7 15	10 17.23	+19 17.0	3.311	2.577	13.8	21.1	37 E	18*	26*
7 20	10 23.97	+18 9.1	3.331	2.558	13.0	21.1	34 E	16*	24*
7 25	10 30.82	+17 0.3	3.348	2.539	12.1	21.1	32 E	13*	22*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	110083 2001 *SV*$_{115}$ *(continuation)*								
	h m	° ′			°	m	°	°	°
7 30	10 37.77	+15 50.7	3.362	2.520	11.2	21.0	29 E	12*	20*
8 4	10 44.81	+14 40.2	3.373	2.501	10.2	21.0	26 E	10*	18*
8 9	10 51.93	+13 28.9	3.381	2.482	9.3	20.9	23 E	8*	15*
8 14	10 59.14	+12 16.6	3.385	2.462	8.3	20.9	21 E	6*	13*
8 19	11 6.44	+11 3.3	3.386	2.443	7.3	20.8	18 E	5*	11*
8 24	11 13.82	+ 9 49.1	3.385	2.423	6.3	20.8	15 E	3*	8*
8 29	11 21.28	+ 8 34.0	3.379	2.404	5.2	20.7	13 E	2*	6*
9 3	11 28.81	+ 7 17.9	3.371	2.384	4.2	20.6	10 E	1*	3*
9 8	11 36.43	+ 6 0.9	3.360	2.364	3.1	20.5	7 E	—	1*
9 13	11 44.13	+ 4 42.8	3.345	2.344	2.1	20.4	5 E	—	—
9 18	11 51.91	+ 3 23.8	3.327	2.324	1.2	20.3	3 E	—	—
9 28	12 7.75	+ 0 42.9	3.283	2.284	1.7	20.3	4 W	—	—
10 8	12 23.97	− 2 1.9	3.227	2.244	3.8	20.4	9 W	2*	—
10 18	12 40.62	− 4 50.6	3.160	2.204	6.1	20.4	14 W	6*	3*
10 28	12 57.76	− 7 42.9	3.082	2.163	8.4	20.4	19 W	10*	7*
11 7	13 15.45	−10 38.9	2.996	2.123	10.7	20.4	23 W	13*	12*
11 17	13 33.79	−13 38.3	2.901	2.084	13.0	20.4	28 W	16*	17*
11 27	13 52.86	−16 40.9	2.799	2.045	15.3	20.3	33 W	17*	22*
12 7	14 12.79	−19 46.3	2.691	2.006	17.5	20.3	38 W	18*	27*
12 17	14 33.74	−22 54.0	2.579	1.969	19.7	20.2	42 W	17*	33*
12 27	14 55.86	−26 3.2	2.465	1.932	21.8	20.1	47 W	16*	39*
1 6	15 19.35	−29 12.7	2.349	1.897	23.9	20.1	51 W	14*	44*
1 16	15 44.45	−32 21.0	2.234	1.863	25.8	20.0	56 W	11*	49*
	35107 1991 *VH*								
12 23	10 30.88	− 8 43.6	0.479	1.214	50.8	17.4	107 W	36	73
12 28	10 36.54	− 8 7.0	0.456	1.223	48.7	17.3	111 W	37	72
1 2	10 41.16	− 7 13.1	0.433	1.232	46.2	17.1	115 W	38	71
1 7	10 44.63	− 5 58.9	0.410	1.240	43.3	16.9	120 W	39	70
1 12	10 46.80	− 4 21.1	0.388	1.249	40.0	16.7	125 W	41	68
1 17	10 47.52	− 2 16.7	0.367	1.256	36.1	16.5	131 W	43	66
1 22	10 46.61	+ 0 17.2	0.348	1.263	31.6	16.3	138 W	45	64
2 1	10 39.52	+ 6 56.3	0.318	1.275	20.9	15.8	152 W	52	57
2 11	10 25.81	+15 8.0	0.304	1.285	9.4	15.3	168 W	60	49
2 21	10 7.75	+23 26.5	0.310	1.293	9.6	15.3	167 E	68	41
2 23	10 3.98	+24 57.7	0.314	1.294	11.7	15.5	165 E	70	39
2 25	10 0.26	+26 24.4	0.318	1.295	13.9	15.6	162 E	71	38
2 27	9 56.63	+27 46.1	0.323	1.296	16.1	15.7	159 E	73	36
2 29	9 53.12	+29 2.6	0.329	1.297	18.3	15.8	156 E	74	35
3 2	9 49.79	+30 13.5	0.335	1.298	20.5	15.9	153 E	75	34
3 7	9 42.38	+32 46.4	0.354	1.300	25.5	16.2	146 E	78	31
3 12	9 36.59	+34 45.7	0.375	1.301	30.0	16.4	139 E	80	29
3 17	9 32.61	+36 14.6	0.399	1.301	33.9	16.7	133 E	81	28
3 22	9 30.51	+37 17.1	0.425	1.301	37.2	16.9	128 E	82	27
3 27	9 30.27	+37 57.1	0.452	1.300	40.1	17.1	123 E	83	26
4 1	9 31.78	+38 18.4	0.479	1.299	42.5	17.3	119 E	83	26
4 6	9 34.85	+38 24.2	0.507	1.297	44.6	17.5	115 E	83	26
4 11	9 39.28	+38 16.9	0.535	1.294	46.3	17.7	111 E	83	26
4 16	9 44.88	+37 58.3	0.563	1.291	47.8	17.8	108 E	83	26
4 21	9 51.49	+37 29.9	0.590	1.287	49.1	17.9	105 E	83	26
4 26	9 58.96	+36 52.8	0.617	1.282	50.2	18.1	102 E	82	27
5 1	10 7.18	+36 7.8	0.642	1.277	51.2	18.2	99 E	81*	28
5 6	10 16.01	+35 15.7	0.667	1.271	52.0	18.3	97 E	79*	29
5 11	10 25.33	+34 17.2	0.691	1.265	52.8	18.3	94 E	77*	30
5 16	10 35.06	+33 12.5	0.713	1.258	53.4	18.4	92 E	74*	31
5 21	10 45.16	+32 2.0	0.734	1.251	54.0	18.5	90 E	71*	32
5 26	10 55.56	+30 45.9	0.754	1.243	54.6	18.5	88 E	68*	33
5 31	11 6.22	+29 24.5	0.772	1.234	55.1	18.6	86 E	64*	35
6 5	11 17.10	+27 58.2	0.789	1.225	55.5	18.6	85 E	61*	36
6 10	11 28.16	+26 27.0	0.804	1.216	56.0	18.7	83 E	58*	38
6 20	11 50.80	+23 10.6	0.830	1.196	56.8	18.7	80 E	53*	41
6 30	12 14.09	+19 36.3	0.849	1.175	57.6	18.8	77 E	47*	44*
7 10	12 38.01	+15 45.4	0.863	1.153	58.5	18.8	75 E	43*	48*
7 20	13 2.65	+11 38.8	0.870	1.129	59.4	18.8	73 E	38*	51*
7 30	13 28.17	+ 7 17.5	0.873	1.106	60.4	18.8	71 E	35*	54*
8 9	13 54.73	+ 2 43.5	0.870	1.083	61.4	18.8	70 E	31*	56*
8 19	14 22.61	− 2 1.0	0.863	1.060	62.5	18.7	68 E	28*	57*
8 29	14 52.15	− 6 52.7	0.853	1.039	63.6	18.7	67 E	25*	58*
9 8	15 23.67	−11 46.8	0.841	1.019	64.7	18.7	66 E	23*	59*
9 13	15 40.31	−14 12.7	0.834	1.011	65.3	18.6	66 E	21*	59*
9 18	15 57.63	−16 36.7	0.827	1.003	65.8	18.6	66 E	20*	59*
9 23	16 15.69	−18 57.5	0.820	0.996	66.3	18.6	65 E	19*	59*
9 28	16 34.52	−21 13.7	0.813	0.989	66.7	18.6	65 E	17*	59*
10 3	16 54.19	−23 23.8	0.806	0.984	67.1	18.6	65 E	16*	59*
10 8	17 14.72	−25 26.3	0.799	0.980	67.5	18.5	65 E	15*	59*
10 13	17 36.16	−27 19.3	0.793	0.977	67.7	18.5	65 E	14*	59*
10 18	17 58.51	−29 1.2	0.787	0.974	67.9	18.5	65 E	13*	59*
10 23	18 21.76	−30 29.9	0.781	0.973	68.1	18.5	65 E	12*	59*

35107 1991 *VH* *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 28	18 45.82	−31 43.6	0.776	0.974	68.1	18.5	65 E	12*	59*
11 2	19 10.59	−32 40.7	0.772	0.975	68.1	18.5	66 E	11*	60*
11 7	19 35.93	−33 19.7	0.768	0.977	68.0	18.5	66 E	11*	60*
11 12	20 1.66	−33 39.5	0.766	0.980	67.8	18.5	66 E	11*	60*
11 17	20 27.60	−33 39.1	0.764	0.985	67.5	18.5	67 E	11*	61*
11 22	20 53.51	−33 18.5	0.763	0.990	67.1	18.5	68 E	12*	61*
11 27	21 19.18	−32 37.8	0.762	0.997	66.7	18.5	68 E	12*	62*
12 2	21 44.41	−31 37.8	0.763	1.004	66.2	18.5	69 E	13	62*
12 7	22 9.05	−30 19.5	0.766	1.012	65.6	18.5	69 E	15	63*
12 12	22 32.98	−28 44.3	0.769	1.021	65.0	18.5	70 E	16	63*
12 17	22 56.14	−26 53.9	0.774	1.030	64.3	18.5	71 E	18	63*
12 22	23 18.51	−24 50.3	0.780	1.040	63.6	18.5	71 E	20	63*
12 27	23 40.07	−22 35.4	0.787	1.051	62.8	18.5	72 E	22	62*
1 1	0 0.85	−20 11.4	0.796	1.061	62.0	18.5	72 E	25	61*
1 6	0 20.90	−17 40.2	0.807	1.073	61.2	18.6	73 E	27	60*
1 11	0 40.30	−15 3.7	0.820	1.084	60.3	18.6	73 E	30	59*
1 16	0 59.12	−12 23.8	0.834	1.096	59.5	18.6	74 E	33	58*

113681 2002 TL_{110}

12 23	10 31.38	+13 16.9	2.271	2.843	18.1	21.3	116 W	58	51
1 2	10 31.27	+13 51.9	2.141	2.836	16.2	21.1	126 W	59	50
1 12	10 28.53	+14 43.7	2.026	2.829	13.6	20.9	137 W	60	49
1 22	10 23.13	+15 50.9	1.931	2.820	10.4	20.6	149 W	61	48
2 1	10 15.27	+17 9.2	1.861	2.810	6.6	20.4	161 W	62	47
2 6	10 10.59	+17 50.5	1.836	2.805	4.7	20.3	167 W	63	46
2 11	10 5.54	+18 32.0	1.819	2.799	2.9	20.1	172 W	64	45
2 16	10 0.26	+19 12.6	1.810	2.793	2.3	20.1	173 W	64	45
2 21	9 54.87	+19 51.3	1.808	2.787	3.6	20.2	170 E	65	44
2 26	9 49.53	+20 27.2	1.814	2.780	5.5	20.3	165 E	65	44
3 2	9 44.39	+20 59.5	1.827	2.773	7.5	20.4	159 E	66	43
3 7	9 39.59	+21 27.8	1.847	2.766	9.5	20.5	153 E	66	43
3 12	9 35.25	+21 51.6	1.874	2.759	11.4	20.6	147 E	67	42
3 17	9 31.46	+22 10.8	1.906	2.751	13.2	20.7	141 E	67	42
3 22	9 28.29	+22 25.3	1.944	2.743	14.8	20.8	135 E	67	42
3 27	9 25.81	+22 35.4	1.986	2.735	16.3	20.9	130 E	68	41
4 1	9 24.04	+22 41.1	2.033	2.726	17.6	20.9	125 E	68	41
4 6	9 22.98	+22 42.8	2.082	2.717	18.7	21.0	119 E	68	41
4 11	9 22.64	+22 40.7	2.135	2.708	19.7	21.1	114 E	68	41
4 16	9 22.98	+22 35.1	2.189	2.698	20.5	21.2	110 E	68	41
4 21	9 23.98	+22 26.2	2.245	2.689	21.1	21.2	105 E	67	42
4 26	9 25.61	+22 14.3	2.302	2.679	21.7	21.3	101 E	67*	42
5 1	9 27.82	+21 59.5	2.360	2.668	22.0	21.4	96 E	65*	42
5 6	9 30.59	+21 42.2	2.418	2.658	22.3	21.4	92 E	63*	42
5 11	9 33.85	+21 22.3	2.475	2.647	22.4	21.5	88 E	60*	43
5 16	9 37.58	+21 0.2	2.532	2.635	22.5	21.5	85 E	56*	43

307523 2003 AV_{72}

12 23	10 31.59	+61 38.0	0.957	1.691	29.8	17.9	121 W	73	2
12 28	10 45.89	+63 19.8	0.936	1.677	29.9	17.9	122 W	72	1
1 2	10 59.58	+64 56.7	0.919	1.664	30.1	17.8	122 W	70	—
1 7	11 12.36	+66 27.5	0.904	1.651	30.3	17.8	122 W	69	—
1 12	11 23.85	+67 51.4	0.892	1.640	30.6	17.7	122 W	67	—
1 14	11 27.98	+68 22.8	0.888	1.636	30.8	17.7	122 W	67	—
1 16	11 31.81	+68 52.8	0.884	1.631	30.9	17.7	122 W	66	—
1 18	11 35.29	+69 21.6	0.881	1.627	31.0	17.7	121 W	66	—
1 20	11 38.40	+69 48.9	0.878	1.624	31.2	17.7	121 W	65	—
1 22	11 41.11	+70 14.7	0.875	1.620	31.3	17.7	121 W	65	—
1 24	11 43.38	+70 38.9	0.873	1.616	31.5	17.7	121 W	64	—
1 26	11 45.20	+71 1.4	0.871	1.613	31.7	17.7	121 W	64	—
1 28	11 46.53	+71 22.2	0.869	1.610	31.8	17.7	120 W	64	—
1 30	11 47.37	+71 41.1	0.868	1.607	32.0	17.7	120 W	63	—
2 1	11 47.70	+71 58.0	0.866	1.604	32.1	17.7	120 W	63	—
2 6	11 46.25	+72 30.8	0.864	1.598	32.5	17.7	119 W	62	—
2 11	11 41.69	+72 48.6	0.863	1.593	32.9	17.7	119 W	62	—
2 16	11 34.40	+72 49.5	0.863	1.589	33.2	17.7	118 W	62	—
2 21	11 25.14	+72 31.2	0.865	1.586	33.6	17.7	117 W	62	—
2 23	11 21.10	+72 18.2	0.866	1.585	33.7	17.7	117 W	63	—
2 25	11 16.98	+72 1.8	0.867	1.585	33.8	17.7	117 W	63	—
2 27	11 12.85	+71 41.9	0.869	1.584	33.9	17.7	117 W	63	—
2 29	11 8.77	+71 18.6	0.870	1.584	34.0	17.7	117 W	64	—
3 2	11 4.81	+70 51.8	0.872	1.584	34.1	17.7	116 W	64	—
3 4	11 1.02	+70 21.7	0.874	1.584	34.2	17.7	116 W	65	—
3 6	10 57.43	+69 48.2	0.877	1.585	34.3	17.7	116 E	65	—
3 8	10 54.09	+69 11.5	0.879	1.585	34.4	17.7	116 E	66	—
3 10	10 51.01	+68 31.7	0.882	1.586	34.5	17.8	115 E	66	—
3 12	10 48.22	+67 48.8	0.885	1.587	34.5	17.8	115 E	67	—
3 17	10 42.54	+65 48.9	0.894	1.590	34.7	17.8	115 E	69	—
3 22	10 38.70	+63 32.6	0.905	1.594	34.9	17.8	114 E	71	—

307523 2003 AV_{72} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	10 36.61	+61 2.0	0.918	1.600	35.0	17.9	113 E	74	3
4 1	10 36.10	+58 19.3	0.934	1.606	35.2	17.9	112 E	77	6
4 6	10 36.92	+55 26.9	0.953	1.614	35.3	18.0	111 E	80	9
4 11	10 38.87	+52 27.2	0.974	1.622	35.4	18.0	110 E	83	12
4 16	10 41.73	+49 22.2	0.998	1.632	35.5	18.1	109 E	86	15
4 21	10 45.36	+46 13.8	1.026	1.643	35.6	18.2	108 E	89	18
4 26	10 49.64	+43 3.9	1.057	1.654	35.7	18.3	107 E	88	21
5 1	10 54.44	+39 54.2	1.091	1.667	35.7	18.4	105 E	85	24
5 6	10 59.69	+36 46.2	1.129	1.680	35.7	18.5	104 E	82	27
5 11	11 5.28	+33 41.1	1.170	1.695	35.7	18.5	102 E	79*	30
5 16	11 11.17	+30 39.8	1.214	1.710	35.6	18.6	100 E	75*	33
5 21	11 17.32	+27 43.0	1.261	1.726	35.5	18.7	98 E	71*	36
5 26	11 23.69	+24 51.3	1.311	1.742	35.3	18.8	96 E	66*	39
5 31	11 30.25	+22 5.1	1.364	1.759	35.1	18.9	94 E	62*	42
6 10	11 43.84	+16 49.7	1.478	1.796	34.4	19.1	90 E	53*	47
6 20	11 57.93	+11 57.2	1.601	1.834	33.6	19.3	86 E	45*	52
6 30	12 12.46	+ 7 26.4	1.731	1.874	32.4	19.5	82 E	38*	57*
7 10	12 27.37	+ 3 15.8	1.867	1.916	31.1	19.7	77 E	31*	60*
7 20	12 42.63	− 0 36.3	2.006	1.959	29.7	19.9	73 E	26*	61*
7 30	12 58.24	− 4 12.0	2.148	2.003	28.0	20.0	68 E	21*	59*
8 9	13 14.19	− 7 32.5	2.291	2.048	26.3	20.1	63 E	17*	56*
8 19	13 30.48	−10 39.5	2.433	2.094	24.4	20.3	59 E	14*	52*
8 29	13 47.14	−13 33.9	2.573	2.140	22.4	20.4	54 E	11*	48*
9 8	14 4.16	−16 16.8	2.709	2.186	20.4	20.5	49 E	8*	43*
9 18	14 21.56	−18 48.8	2.840	2.232	18.3	20.6	44 E	6*	38*
9 28	14 39.34	−21 10.4	2.964	2.278	16.2	20.6	39 E	4*	33*
10 8	14 57.49	−23 21.9	3.080	2.324	14.0	20.7	34 E	1*	28*
10 18	15 16.02	−25 23.6	3.188	2.370	11.9	20.7	29 E	—	23*
10 28	15 34.89	−27 15.8	3.285	2.416	9.8	20.7	24 E	—	18*
11 7	15 54.08	−28 58.6	3.372	2.461	7.8	20.7	20 E	—	13*
11 17	16 13.55	−30 32.1	3.446	2.505	5.9	20.7	15 E	—	8*
11 27	16 33.24	−31 56.6	3.507	2.549	4.6	20.8	12 E	—	4*
12 7	16 53.07	−33 12.3	3.555	2.593	4.0	20.8	11 W	—	—
12 17	17 12.97	−34 19.6	3.588	2.636	4.6	20.9	12 W	—	4*
12 27	17 32.85	−35 19.2	3.607	2.678	5.9	21.0	16 W	—	9*
1 6	17 52.59	−36 11.6	3.612	2.719	7.5	21.1	21 W	—	15*
1 16	18 12.10	−36 57.9	3.602	2.760	9.2	21.2	27 W	—	20*

80356 1999 XM_{124}

12 23	10 32.31	+ 9 26.5	2.012	2.578	20.3	20.5	114 W	54	55
1 2	10 31.77	+ 9 15.5	1.906	2.594	18.2	20.3	125 W	54	55
1 12	10 28.36	+ 9 19.7	1.814	2.609	15.3	20.1	136 W	54	55
1 22	10 22.10	+ 9 38.8	1.740	2.623	11.7	19.9	147 W	55	54
2 1	10 13.37	+10 10.7	1.690	2.636	7.5	19.7	160 W	55	54
2 6	10 8.30	+10 30.1	1.675	2.642	5.2	19.6	166 W	55	54
2 11	10 2.93	+10 50.9	1.667	2.648	2.8	19.4	172 W	56	53
2 16	9 57.41	+11 12.3	1.666	2.654	0.6	19.2	178 W	56	53
2 21	9 51.87	+11 33.7	1.673	2.659	2.0	19.4	174 E	57	52
2 26	9 46.49	+11 54.3	1.688	2.664	4.4	19.6	168 E	57	52
3 2	9 41.40	+12 13.5	1.709	2.669	6.6	19.7	162 E	57	52
3 12	9 32.63	+12 45.5	1.773	2.678	10.8	20.0	150 E	58	51
3 22	9 26.27	+13 7.0	1.861	2.687	14.3	20.2	138 E	58	51
4 1	9 22.70	+13 16.9	1.967	2.694	17.1	20.4	127 E	58	51
4 11	9 21.93	+13 15.3	2.088	2.700	19.2	20.6	117 E	58	51
4 21	9 23.75	+13 2.8	2.219	2.706	20.7	20.8	108 E	58	51
5 1	9 27.88	+12 40.1	2.356	2.710	21.5	21.0	99 E	56*	51
5 11	9 33.97	+12 7.9	2.494	2.713	21.8	21.1	91 E	52*	52
5 21	9 41.70	+11 27.2	2.633	2.716	21.7	21.2	84 E	46*	53
5 31	9 50.79	+10 38.4	2.768	2.717	21.3	21.3	77 E	39*	53*
6 10	10 1.00	+ 9 42.1	2.899	2.717	20.5	21.4	70 E	32*	52*
6 20	10 12.11	+ 8 39.0	3.022	2.717	19.5	21.5	63 E	26*	50*
6 30	10 23.97	+ 7 29.6	3.138	2.715	18.2	21.5	57 E	20*	47*

203015 1999 YF_3

12 23	10 32.41	+23 30.9	0.480	1.285	42.1	19.0	119 W	69	40
12 28	10 28.36	+19 51.1	0.451	1.290	39.4	18.8	124 W	65	44
1 2	10 22.09	+15 50.3	0.426	1.294	36.2	18.6	129 W	61	48
1 7	10 13.52	+11 28.4	0.404	1.299	32.6	18.4	135 W	56	53
1 12	10 2.69	+ 6 48.6	0.387	1.305	28.7	18.2	140 W	52	57
1 17	9 49.77	+ 1 58.2	0.376	1.311	25.1	18.0	146 W	47	62
1 22	9 35.10	− 2 51.4	0.372	1.318	22.2	17.9	150 W	42	67
1 24	9 28.88	− 4 43.9	0.372	1.321	21.4	17.9	151 W	40	69
1 26	9 22.52	− 6 33.1	0.373	1.324	20.8	17.9	151 W	38	71
1 28	9 16.08	− 8 18.1	0.375	1.327	20.6	17.9	152 W	37	72
1 30	9 9.62	− 9 58.2	0.378	1.330	20.7	17.9	152 W	35	74
2 1	9 3.18	−11 32.8	0.383	1.333	21.0	18.0	151 W	33	76
2 6	8 47.56	−15 2.2	0.398	1.341	22.7	18.1	148 E	30	79
2 11	8 33.18	−17 51.0	0.419	1.349	25.2	18.3	144 E	27	82

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		203015 1999 YF_3				*(continuation)*			
	h m	° ′			°	m	°	°	°
2 16	8 20.59	−20 0.4	0.444	1.358	27.9	18.5	140 E	25	84
2 21	8 10.10	−21 34.8	0.473	1.367	30.5	18.8	135 E	23	86
2 26	8 1.89	−22 40.3	0.505	1.376	32.8	19.0	131 E	22	87
3 2	7 55.93	−23 23.1	0.539	1.386	34.7	19.2	127 E	22	87
3 7	7 52.11	−23 48.8	0.575	1.395	36.4	19.4	124 E	21	88
3 12	7 50.21	−24 2.2	0.612	1.405	37.7	19.6	120 E	21	88
3 17	7 50.03	−24 6.6	0.650	1.415	38.8	19.8	117 E	21	88
3 22	7 51.39	−24 4.8	0.689	1.425	39.6	19.9	114 E	21	88
3 27	7 54.13	−23 59.0	0.727	1.435	40.3	20.1	112 E	21	88
4 1	7 58.09	−23 51.1	0.766	1.445	40.8	20.2	109 E	21	88
4 6	8 3.11	−23 42.2	0.805	1.456	41.1	20.4	107 E	21	88
4 11	8 9.06	−23 33.5	0.844	1.466	41.4	20.5	105 E	21*	88
4 16	8 15.84	−23 25.4	0.883	1.476	41.5	20.6	103 E	21*	87
4 21	8 23.36	−23 18.5	0.921	1.486	41.6	20.7	101 E	20*	87
4 26	8 31.56	−23 13.3	0.959	1.496	41.6	20.8	99 E	20*	87
5 1	8 40.36	−23 10.2	0.997	1.506	41.6	20.9	97 E	19*	87
5 6	8 49.70	−23 9.3	1.035	1.516	41.5	21.0	96 E	17*	87
5 11	8 59.51	−23 10.8	1.073	1.526	41.3	21.1	94 E	16*	87*
5 16	9 9.75	−23 14.7	1.111	1.535	41.1	21.2	93 E	14*	86*
5 21	9 20.40	−23 20.9	1.148	1.545	40.9	21.3	91 E	13*	85*
5 26	9 31.42	−23 29.6	1.186	1.554	40.7	21.3	90 E	11*	84*
5 31	9 42.77	−23 40.6	1.223	1.563	40.4	21.4	88 E	9*	82*
6 5	9 54.41	−23 54.1	1.261	1.572	40.1	21.5	87 E	8*	81*
		1981 Midas							
12 23	10 34.15	+68 39.6	2.013	2.642	18.9	19.8	120 W	66	—
12 25	10 32.34	+69 11.9	1.995	2.635	18.8	19.8	121 W	66	—
12 27	10 30.08	+69 44.3	1.979	2.627	18.7	19.7	121 W	65	—
12 29	10 27.34	+70 16.6	1.963	2.619	18.6	19.7	122 W	65	—
12 31	10 24.07	+70 48.5	1.948	2.612	18.5	19.7	123 W	64	—
1 2	10 20.25	+71 20.0	1.933	2.604	18.4	19.7	123 W	64	—
1 4	10 15.82	+71 50.7	1.919	2.596	18.4	19.6	124 W	63	—
1 6	10 10.77	+72 20.5	1.906	2.587	18.4	19.6	124 W	63	—
1 8	10 5.05	+72 49.2	1.894	2.579	18.4	19.6	124 W	62	—
1 10	9 58.64	+73 16.4	1.882	2.571	18.4	19.6	125 W	62	—
1 12	9 51.52	+73 41.8	1.872	2.562	18.4	19.6	125 W	61	—
1 17	9 30.61	+74 35.9	1.848	2.541	18.5	19.5	125 W	60	—
1 22	9 5.69	+75 12.6	1.829	2.518	18.8	19.5	124 W	60	—
1 27	8 38.07	+75 27.6	1.816	2.495	19.3	19.5	123 W	60	—
2 1	8 9.85	+75 18.8	1.807	2.472	19.8	19.4	122 E	60	—
2 2	8 4.35	+75 14.1	1.806	2.467	19.9	19.4	121 E	60	—
2 3	7 58.93	+75 8.5	1.805	2.462	20.1	19.4	121 E	60	—
2 4	7 53.62	+75 2.0	1.804	2.457	20.2	19.4	121 E	60	—
2 5	7 48.42	+74 54.6	1.803	2.452	20.3	19.4	120 E	60	—
2 6	7 43.36	+74 46.4	1.802	2.447	20.5	19.4	120 E	60	—
2 7	7 38.43	+74 37.3	1.802	2.442	20.6	19.4	119 E	60	—
2 8	7 33.66	+74 27.4	1.802	2.437	20.7	19.4	119 E	61	—
2 9	7 29.05	+74 16.7	1.802	2.432	20.9	19.4	118 E	61	—
2 10	7 24.61	+74 5.3	1.802	2.427	21.0	19.4	118 E	61	—
2 11	7 20.34	+73 53.1	1.803	2.422	21.2	19.4	118 E	61	—
2 13	7 12.33	+73 26.8	1.804	2.412	21.5	19.4	116 E	62	—
2 15	7 5.04	+72 58.1	1.806	2.401	21.8	19.4	115 E	62	—
2 17	6 58.47	+72 27.2	1.808	2.391	22.1	19.4	114 E	63	—
2 19	6 52.61	+71 54.4	1.811	2.380	22.4	19.4	113 E	63	—
2 21	6 47.44	+71 19.9	1.815	2.369	22.8	19.5	112 E	64	—
2 23	6 42.92	+70 44.0	1.819	2.359	23.1	19.5	111 E	64	—
2 25	6 39.03	+70 6.9	1.823	2.348	23.4	19.5	110 E	65	—
2 27	6 35.72	+69 28.8	1.828	2.336	23.7	19.5	108 E	66	—
2 29	6 32.95	+68 49.8	1.834	2.325	24.0	19.5	107 E	66	—
3 2	6 30.68	+68 10.2	1.840	2.314	24.4	19.5	106 E	67	—
3 4	6 28.89	+67 30.1	1.846	2.302	24.7	19.5	104 E	67	—
3 6	6 27.52	+66 49.6	1.853	2.291	25.0	19.5	103 E	68	—
3 8	6 26.55	+66 8.8	1.860	2.279	25.2	19.5	102 E	69	—
3 10	6 25.95	+65 27.8	1.867	2.267	25.5	19.5	100 E	70	—
3 12	6 25.68	+64 46.7	1.875	2.255	25.8	19.5	99 E	70	—
3 14	6 25.73	+64 5.6	1.883	2.243	26.1	19.5	98 E	71	—
3 16	6 26.05	+63 24.4	1.891	2.231	26.3	19.5	96 E	72	1
3 18	6 26.64	+62 43.3	1.899	2.219	26.6	19.5	95 E	72	1
3 20	6 27.48	+62 2.2	1.908	2.206	26.8	19.5	94 E	73*	2
3 22	6 28.53	+61 21.3	1.916	2.194	27.0	19.5	92 E	74*	3*
3 27	6 32.06	+59 39.7	1.938	2.161	27.5	19.5	89 E	74*	4*
4 1	6 36.66	+57 59.3	1.961	2.128	27.9	19.5	85 E	74*	6*
4 6	6 42.13	+56 20.1	1.983	2.095	28.2	19.5	82 E	73*	7*
4 11	6 48.33	+54 42.2	2.004	2.060	28.5	19.5	79 E	71*	9*
4 16	6 55.12	+53 5.2	2.025	2.024	28.7	19.5	76 E	69*	10*
4 21	7 2.43	+51 29.0	2.045	1.988	28.8	19.5	72 E	66*	12*
4 26	7 10.17	+49 53.3	2.063	1.951	28.9	19.5	69 E	63*	13*
5 1	7 18.28	+48 17.7	2.079	1.912	28.9	19.5	66 E	60*	14*
5 6	7 26.68	+46 42.1	2.094	1.873	28.8	19.4	63 E	57*	15*
5 11	7 35.33	+45 5.9	2.107	1.833	28.6	19.4	60 E	53*	16*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		1981 Midas				*(continuation)*			
	h m	° ′			°	m	°	°	°
5 21	7 53.26	+41 50.5	2.125	1.750	28.2	19.3	55 E	46*	18*
5 31	8 11.85	+38 28.6	2.133	1.663	27.6	19.2	49 E	39*	19*
6 10	8 30.92	+34 57.2	2.128	1.571	26.8	19.0	44 E	33*	20*
6 20	8 50.40	+31 13.0	2.112	1.476	26.0	18.9	39 E	26*	21*
6 30	9 10.29	+27 12.6	2.082	1.376	25.0	18.6	35 E	20*	20*
7 10	9 30.58	+22 51.9	2.038	1.273	24.0	18.4	31 E	15*	19*
7 20	9 51.42	+18 6.4	1.979	1.166	23.1	18.1	27 E	10*	18*
7 25	10 2.11	+15 32.8	1.944	1.111	22.8	18.0	25 E	8*	18*
7 30	10 13.01	+12 50.8	1.905	1.056	22.7	17.8	24 E	5*	17*
8 4	10 24.18	+ 9 59.8	1.862	1.001	22.7	17.6	22 E	3*	16*
8 9	10 35.69	+ 6 59.0	1.815	0.946	23.0	17.5	21 E	1*	15*
8 14	10 47.60	+ 3 47.5	1.763	0.891	23.8	17.3	21 E	—	15*
8 19	11 0.05	+ 0 24.5	1.707	0.839	25.1	17.1	21 E	—	14*
8 29	11 27.10	− 6 57.6	1.581	0.741	30.1	16.8	22 E	—	14*
9 8	11 58.64	−15 5.2	1.435	0.665	38.9	16.6	24 E	—	15*
9 18	12 37.98	−23 39.5	1.273	0.624	51.0	16.6	29 E	—	17*
9 20	12 47.24	−25 21.9	1.239	0.622	53.6	16.6	30 E	—	18*
9 22	12 57.10	−27 3.0	1.206	0.621	56.3	16.6	31 E	—	19*
9 24	13 7.60	−28 42.1	1.173	0.623	58.8	16.6	32 E	—	19*
9 26	13 18.83	−30 18.4	1.140	0.626	61.3	16.7	33 E	—	21*
9 28	13 30.84	−31 51.1	1.108	0.631	63.6	16.7	34 E	—	22*
9 30	13 43.71	−33 19.4	1.076	0.639	65.8	16.7	36 E	—	23*
10 2	13 57.48	−34 42.0	1.046	0.647	67.8	16.7	37 E	—	24*
10 4	14 12.22	−35 57.9	1.017	0.658	69.6	16.8	38 E	—	26*
10 6	14 27.94	−37 5.8	0.990	0.670	71.1	16.8	39 E	—	27*
10 8	14 44.65	−38 4.3	0.964	0.684	72.4	16.8	41 E	—	29*
10 10	15 2.31	−38 52.0	0.940	0.698	73.5	16.9	42 E	—	31*
10 12	15 20.85	−39 27.5	0.918	0.714	74.2	16.9	44 E	—	33*
10 14	15 40.14	−39 49.5	0.899	0.731	74.7	16.9	45 E	—	35*
10 16	16 0.02	−39 56.9	0.882	0.749	74.9	16.9	47 E	—	37*
10 18	16 20.27	−39 49.0	0.867	0.768	74.8	16.9	48 E	—	39*
10 20	16 40.65	−39 25.4	0.856	0.787	74.5	16.9	50 E	—	41*
10 22	17 0.91	−38 46.3	0.847	0.807	73.9	17.0	51 E	—	43*
10 24	17 20.82	−37 52.4	0.841	0.827	73.2	17.0	53 E	1*	46*
10 26	17 40.16	−36 44.8	0.838	0.848	72.3	17.0	54 E	3*	48*
10 28	17 58.77	−35 25.2	0.838	0.869	71.2	17.0	56 E	6*	50*
10 30	18 16.52	−33 55.3	0.841	0.890	69.9	17.0	57 E	8*	51*
11 1	18 33.34	−32 17.1	0.846	0.912	68.6	17.0	59 E	10*	53*
11 3	18 49.19	−30 32.6	0.854	0.934	67.2	17.1	60 E	12*	54*
11 5	19 4.08	−28 43.7	0.865	0.956	65.8	17.1	62 E	15*	55*
11 7	19 18.02	−26 52.1	0.878	0.978	64.3	17.1	63 E	17*	56*
11 9	19 31.07	−24 59.4	0.893	1.000	62.8	17.2	64 E	19*	57*
11 11	19 43.27	−23 6.8	0.911	1.022	61.3	17.2	65 E	21*	57*
11 13	19 54.70	−21 15.4	0.930	1.044	59.8	17.3	66 E	23*	57*
11 15	20 5.41	−19 26.0	0.952	1.066	58.4	17.3	67 E	25*	57*
11 17	20 15.46	−17 39.2	0.974	1.088	57.0	17.4	67 E	27*	56*
11 22	20 38.11	−13 26.3	1.038	1.143	53.6	17.5	69 E	31*	54*
11 27	20 57.83	− 9 35.7	1.109	1.197	50.5	17.7	69 E	35*	52*
12 2	21 15.30	− 6 7.3	1.185	1.250	47.7	17.8	70 E	39*	48*
12 7	21 31.01	− 2 59.4	1.266	1.303	45.1	18.0	69 E	42*	45*
12 12	21 45.36	− 0 9.7	1.350	1.355	42.7	18.2	69 E	44*	42*
12 17	21 58.65	+ 2 24.3	1.435	1.406	40.5	18.3	68 E	47*	38*
12 22	22 11.10	+ 4 45.2	1.523	1.455	38.5	18.5	67 E	48*	35*
12 27	22 22.88	+ 6 54.8	1.611	1.504	36.6	18.6	66 E	50*	31*
1 1	22 34.12	+ 8 54.9	1.699	1.552	34.8	18.7	64 E	51*	28*
1 6	22 44.92	+10 47.1	1.788	1.598	33.2	18.9	63 E	51*	25*
1 11	22 55.38	+12 32.5	1.876	1.644	31.6	19.0	61 E	51*	22*
1 16	23 5.57	+14 12.3	1.963	1.688	30.1	19.1	59 E	51*	20*
		18899 2000 JQ_2							
12 23	10 34.61	−17 47.3	2.802	3.154	17.8	20.5	102 W	27	82
1 2	10 34.03	−18 54.7	2.676	3.157	17.0	20.3	110 W	26	83
1 12	10 31.21	−19 47.2	2.559	3.160	15.7	20.2	119 W	25	84
1 22	10 26.17	−20 20.4	2.455	3.161	14.1	20.1	128 W	25	84
2 1	10 19.13	−20 30.0	2.369	3.161	12.3	19.9	137 W	24	85
2 11	10 10.57	−20 12.9	2.305	3.160	10.5	19.8	144 W	25	84
2 21	10 1.21	−19 28.1	2.266	3.157	9.2	19.7	149 E	26	83
2 26	9 56.49	−18 55.9	2.256	3.156	8.9	19.7	151 E	26	83
3 2	9 51.91	−18 17.9	2.253	3.154	8.9	19.7	150 E	27	82
3 7	9 47.57	−17 34.8	2.258	3.152	9.3	19.7	149 E	27	82
3 12	9 43.57	−16 47.7	2.269	3.149	9.9	19.7	147 E	28	81
3 17	9 39.98	−15 57.5	2.286	3.147	10.7	19.8	144 E	29	80
3 22	9 36.88	−15 5.3	2.310	3.144	11.6	19.8	141 E	30	79
3 27	9 34.31	−14 11.9	2.340	3.141	12.6	19.9	137 E	31	78
4 1	9 32.32	−13 18.6	2.375	3.137	13.6	19.9	132 E	32	77
4 6	9 30.92	−12 26.1	2.416	3.133	14.6	20.0	128 E	33	76
4 11	9 30.10	−11 35.2	2.460	3.129	15.5	20.1	124 E	33	76

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		18899 2000 JQ_2				*(continuation)*			
	h m	° ′			°	m	°	°	°
4 21	9 30.21	−10 0.5	2.561	3.120	17.0	20.2	115 E	35	74
5 1	9 32.51	− 8 38.1	2.672	3.110	18.1	20.3	106 E	36*	73
5 11	9 36.78	− 7 30.1	2.791	3.099	18.8	20.4	98 E	34*	72
5 21	9 42.77	− 6 37.0	2.913	3.087	19.1	20.5	90 E	30*	71
5 31	9 50.24	− 5 58.8	3.036	3.073	19.1	20.6	83 E	25*	69*
6 10	9 58.96	− 5 34.9	3.156	3.059	18.7	20.7	75 E	20*	66*
6 20	10 8.75	− 5 24.2	3.270	3.043	18.1	20.7	68 E	15*	61*
6 30	10 19.43	− 5 25.8	3.378	3.027	17.2	20.8	61 E	10*	55*
7 10	10 30.87	− 5 38.5	3.477	3.009	16.0	20.8	55 E	6*	49*
7 20	10 42.94	− 6 1.3	3.565	2.990	14.7	20.8	48 E	2*	42*
7 30	10 55.56	− 6 33.0	3.642	2.970	13.3	20.7	42 E	—	36*
8 9	11 8.65	− 7 12.7	3.706	2.948	11.7	20.7	36 E	—	29*
8 19	11 22.16	− 7 59.2	3.756	2.926	10.0	20.7	30 E	—	23*
8 29	11 36.03	− 8 51.7	3.791	2.902	8.3	20.6	24 E	—	17*
9 8	11 50.24	− 9 49.1	3.812	2.878	6.5	20.5	19 E	—	11*
9 18	12 4.76	−10 50.5	3.818	2.852	4.8	20.4	14 E	—	5*
9 28	12 19.56	−11 54.9	3.807	2.825	3.5	20.3	10 E	—	—
10 8	12 34.64	−13 1.4	3.781	2.797	3.1	20.2	9 W	—	2*
10 18	12 49.97	−14 8.9	3.739	2.768	4.0	20.2	11 W	—	5*
10 28	13 5.55	−15 16.5	3.681	2.738	5.6	20.3	16 W	3*	9*
11 7	13 21.35	−16 23.1	3.608	2.707	7.6	20.3	21 W	8*	13*
11 17	13 37.37	−17 27.7	3.520	2.674	9.6	20.3	27 W	12*	17*
11 27	13 53.56	−18 29.2	3.419	2.641	11.6	20.3	33 W	16*	22*
12 7	14 9.90	−19 26.4	3.304	2.607	13.6	20.3	39 W	19*	28*
12 17	14 26.34	−20 18.1	3.176	2.571	15.6	20.2	45 W	21*	34*
12 27	14 42.80	−21 3.2	3.038	2.534	17.5	20.2	51 W	22*	40*
1 6	14 59.20	−21 40.3	2.890	2.497	19.3	20.1	57 W	22*	47*
1 16	15 15.46	−22 8.1	2.734	2.458	21.0	20.0	63 W	22*	54*
		496897 2001 BZ_{15}							
12 23	10 35.06	− 0 37.9	0.742	1.418	40.8	20.8	110 W	44	65
12 28	10 43.03	+ 0 42.6	0.700	1.417	39.5	20.7	114 W	46	63
1 2	10 50.50	+ 2 23.2	0.661	1.416	38.0	20.5	118 W	47	62
1 7	10 57.42	+ 4 26.7	0.623	1.415	36.1	20.3	122 W	49	60
1 12	11 3.71	+ 6 55.4	0.588	1.415	33.9	20.1	127 W	52	57
1 17	11 9.28	+ 9 51.2	0.556	1.414	31.5	19.9	131 W	55	54
1 22	11 14.00	+13 15.0	0.528	1.413	28.7	19.7	136 W	58	51
1 27	11 17.73	+17 5.8	0.504	1.413	25.9	19.5	141 W	62	47
2 1	11 20.39	+21 19.8	0.486	1.413	23.2	19.4	146 W	66	43
2 6	11 21.87	+25 50.2	0.473	1.412	21.1	19.3	149 W	71	38
2 11	11 22.12	+30 27.5	0.466	1.412	20.0	19.2	151 W	75	34
2 13	11 21.86	+32 18.0	0.466	1.412	20.0	19.2	151 W	77	32
2 15	11 21.40	+34 7.0	0.466	1.412	20.1	19.2	151 W	79	30
2 17	11 20.73	+35 53.9	0.467	1.412	20.4	19.2	150 W	81	28
2 19	11 19.86	+37 38.0	0.469	1.412	21.0	19.2	149 W	83	26
2 21	11 18.81	+39 18.6	0.472	1.412	21.7	19.3	148 W	84	25
2 26	11 15.44	+43 11.5	0.483	1.411	23.9	19.4	145 W	88	21
3 2	11 11.25	+46 32.4	0.498	1.411	26.6	19.5	140 W	88	17
3 7	11 6.64	+49 18.2	0.518	1.411	29.2	19.7	136 E	86	15
3 12	11 2.03	+51 28.7	0.541	1.412	31.8	19.9	132 E	84	13
3 17	10 57.81	+53 5.8	0.566	1.412	34.1	20.0	127 E	82	11
3 22	10 54.39	+54 12.2	0.594	1.412	36.2	20.2	123 E	81	10
3 27	10 52.08	+54 51.5	0.622	1.412	37.9	20.3	120 E	80	9
4 1	10 51.10	+55 7.4	0.652	1.413	39.4	20.5	116 E	80	9
4 6	10 51.52	+55 3.4	0.681	1.413	40.7	20.6	113 E	80	9
4 11	10 53.30	+54 42.5	0.711	1.414	41.8	20.7	110 E	80	9
4 16	10 56.35	+54 7.0	0.741	1.414	42.6	20.9	107 E	81	10
4 21	11 0.56	+53 18.7	0.770	1.415	43.4	21.0	105 E	82	11
4 26	11 5.80	+52 19.2	0.799	1.415	43.9	21.1	103 E	83	12
5 1	11 11.94	+51 9.9	0.827	1.416	44.4	21.1	101 E	84	13
5 6	11 18.83	+49 51.7	0.855	1.417	44.7	21.2	99 E	85	14
5 11	11 26.33	+48 25.7	0.882	1.418	45.0	21.3	97 E	87	16
5 16	11 34.33	+46 52.3	0.908	1.418	45.2	21.4	95 E	88	17
5 21	11 42.75	+45 12.1	0.933	1.419	45.4	21.4	94 E	87*	19
		282654 2005 UF_{156}							
12 23	10 35.10	−18 2.2	1.639	2.075	27.7	19.8	102 W	27	82
12 28	10 35.91	−19 30.9	1.606	2.092	27.0	19.7	105 W	25	84
1 2	10 35.90	−20 55.4	1.574	2.110	26.1	19.7	109 W	24	85
1 7	10 35.04	−22 15.0	1.544	2.128	25.2	19.6	113 W	23	86
1 12	10 33.31	−23 28.7	1.517	2.145	24.2	19.6	117 W	22	87
1 17	10 30.72	−24 35.3	1.492	2.162	23.1	19.5	120 W	20	89
1 22	10 27.28	−25 33.8	1.470	2.180	21.9	19.5	124 W	19	90
1 27	10 23.05	−26 22.8	1.452	2.197	20.7	19.4	128 W	19	90
2 1	10 18.14	−27 1.4	1.437	2.214	19.5	19.4	131 W	18	89
2 6	10 12.67	−27 28.7	1.428	2.232	18.4	19.4	134 W	18	89
2 11	10 6.82	−27 44.1	1.422	2.249	17.3	19.3	137 W	17	88
2 16	10 0.75	−27 47.5	1.422	2.266	16.4	19.3	139 W	17	88
2 21	9 54.67	−27 39.0	1.427	2.282	15.8	19.3	141 E	17	88
2 26	9 48.78	−27 19.2	1.437	2.299	15.4	19.3	142 E	18	89
3 2	9 43.27	−26 49.3	1.452	2.316	15.2	19.4	142 E	18	89

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		282654 2005 UF_{156}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 7	9 38.31	−26 10.7	1.473	2.332	15.4	19.4	141 E	19	90
3 12	9 34.03	−25 25.1	1.499	2.348	15.8	19.5	140 E	20	89
3 17	9 30.50	−24 34.1	1.530	2.365	16.4	19.6	138 E	20	89
3 22	9 27.78	−23 39.5	1.566	2.380	17.1	19.7	135 E	21	88
3 27	9 25.91	−22 43.0	1.607	2.396	17.9	19.8	132 E	22	87
4 1	9 24.89	−21 45.9	1.652	2.412	18.7	19.9	129 E	23	86
4 6	9 24.69	−20 49.8	1.701	2.427	19.5	20.0	126 E	24	85
4 11	9 25.27	−19 55.5	1.753	2.443	20.2	20.1	122 E	25	84
4 16	9 26.57	−19 3.8	1.809	2.458	20.9	20.2	119 E	26	83
4 21	9 28.56	−18 15.5	1.868	2.473	21.5	20.3	115 E	27	82
5 1	9 34.36	−16 50.5	1.992	2.502	22.4	20.5	109 E	28*	81
5 11	9 42.23	−15 42.8	2.124	2.530	23.0	20.6	102 E	26*	80
5 21	9 51.77	−14 52.6	2.262	2.558	23.2	20.8	95 E	24*	79
5 31	10 2.67	−14 19.5	2.402	2.585	23.1	21.0	89 E	20*	78*
6 10	10 14.62	−14 2.5	2.543	2.611	22.7	21.1	82 E	15*	75*
6 20	10 27.42	−13 59.9	2.683	2.636	22.0	21.2	76 E	11*	70*
6 30	10 40.89	−14 10.5	2.822	2.660	21.1	21.3	70 E	7*	64*
7 10	10 54.89	−14 32.8	2.956	2.683	20.0	21.4	65 E	3*	58*
7 20	11 9.30	−15 5.1	3.085	2.705	18.8	21.5	59 E	—	52*
		143303 2003 AF_{40}							
12 23	10 35.28	− 2 30.6	2.619	3.081	17.6	20.4	109 W	42	67
1 2	10 33.80	− 3 21.6	2.512	3.107	16.1	20.2	119 W	42	67
1 12	10 30.04	− 3 59.1	2.419	3.133	14.1	20.1	129 W	41	68
1 22	10 24.11	− 4 21.2	2.342	3.158	11.6	20.0	140 W	41	68
2 1	10 16.32	− 4 26.6	2.289	3.183	8.8	19.8	150 W	41	68
2 11	10 7.27	− 4 15.3	2.262	3.206	6.1	19.7	160 W	41	68
2 21	9 57.72	− 3 49.3	2.264	3.228	4.6	19.6	165 E	41	68
3 2	9 48.53	− 3 12.1	2.297	3.250	5.7	19.7	161 E	42	67
3 12	9 40.50	− 2 28.5	2.359	3.271	8.1	19.9	152 E	43	66
3 22	9 34.20	− 1 43.6	2.447	3.291	10.7	20.1	142 E	43	66
4 1	9 29.99	− 1 1.5	2.558	3.310	13.0	20.3	132 E	44	65
4 11	9 27.98	− 0 25.7	2.687	3.328	14.8	20.5	122 E	45	64
4 21	9 28.09	+ 0 1.9	2.829	3.345	16.1	20.7	113 E	45	64
5 1	9 30.17	+ 0 20.0	2.980	3.362	16.9	20.8	104 E	44*	64
5 11	9 33.98	+ 0 28.1	3.136	3.378	17.3	20.9	95 E	41*	64
5 21	9 39.27	+ 0 26.5	3.293	3.392	17.3	21.1	87 E	36*	64
5 31	9 45.85	+ 0 15.4	3.449	3.406	17.0	21.2	79 E	30*	63*
6 10	9 53.47	− 0 4.8	3.600	3.419	16.4	21.2	72 E	23*	60*
6 20	10 1.97	− 0 33.3	3.744	3.431	15.5	21.3	64 E	17*	56*
6 30	10 11.20	− 1 9.7	3.880	3.443	14.4	21.3	58 E	11*	51*
7 10	10 21.00	− 1 53.2	4.005	3.453	13.2	21.4	51 E	7*	45*
7 20	10 31.28	− 2 43.3	4.118	3.463	11.8	21.4	44 E	2*	38*
7 30	10 41.94	− 3 39.4	4.218	3.471	10.3	21.4	38 E	—	31*
8 9	10 52.88	− 4 40.7	4.303	3.479	8.8	21.4	32 E	—	25*
8 19	11 4.06	− 5 46.9	4.372	3.486	7.2	21.3	25 E	—	18*
8 29	11 15.40	− 6 57.2	4.426	3.492	5.6	21.3	20 E	—	11*
9 8	11 26.85	− 8 11.2	4.462	3.498	4.2	21.2	15 E	—	5*
9 18	11 38.36	− 9 28.3	4.481	3.502	3.3	21.2	11 W	—	—
9 28	11 49.88	−10 47.9	4.482	3.505	3.2	21.2	11 W	—	4*
10 8	12 1.35	−12 9.5	4.466	3.508	4.1	21.2	15 W	—	9*
10 18	12 12.72	−13 32.7	4.431	3.510	5.5	21.3	20 W	5*	13*
10 28	12 23.93	−14 56.9	4.379	3.511	7.1	21.4	26 W	10*	18*
11 7	12 34.90	−16 21.4	4.310	3.511	8.6	21.4	32 W	14*	23*
11 17	12 45.55	−17 46.0	4.224	3.510	10.2	21.4	39 W	18*	29*
11 27	12 55.78	−19 10.0	4.123	3.509	11.6	21.4	46 W	21*	35*
12 7	13 5.47	−20 32.9	4.008	3.506	13.0	21.4	53 W	22*	42*
12 17	13 14.48	−21 54.2	3.881	3.503	14.2	21.4	61 W	23*	50*
12 27	13 22.64	−23 13.2	3.742	3.498	15.1	21.3	68 W	22	59*
1 6	13 29.76	−24 29.3	3.596	3.493	15.9	21.3	76 W	21	68*
1 16	13 35.63	−25 41.6	3.444	3.487	16.3	21.2	84 W	19	77*
		30767 Chriskraft							
12 23	10 35.66	+50 24.2	1.286	1.986	25.0	17.8	122 W	85	14
12 28	10 38.23	+51 54.9	1.274	2.002	23.9	17.8	124 W	83	12
1 2	10 39.35	+53 25.3	1.267	2.019	22.9	17.7	127 W	82	11
1 7	10 38.89	+54 53.6	1.263	2.035	21.9	17.7	130 W	80	9
1 12	10 36.78	+56 17.6	1.263	2.052	21.0	17.7	132 W	79	8
1 17	10 32.98	+57 35.0	1.268	2.069	20.3	17.7	133 W	77	6
1 22	10 27.53	+58 43.5	1.277	2.086	19.7	17.7	134 W	76	5
1 27	10 20.59	+59 40.7	1.290	2.103	19.4	17.7	135 W	75	4
2 1	10 12.43	+60 24.7	1.308	2.120	19.3	17.8	135 W	75	4
2 3	10 8.91	+60 38.2	1.316	2.127	19.3	17.8	135 W	74	3
2 5	10 5.29	+60 49.3	1.325	2.134	19.3	17.8	134 W	74	3
2 7	10 1.60	+60 58.0	1.335	2.141	19.3	17.9	134 W	74	3
2 9	9 57.87	+61 4.2	1.345	2.147	19.4	17.9	134 W	74	3
2 11	9 54.13	+61 8.0	1.356	2.154	19.5	17.9	133 W	74	3
2 13	9 50.41	+61 9.3	1.368	2.161	19.7	17.9	133 W	74	3
2 15	9 46.74	+61 8.3	1.380	2.168	19.8	18.0	132 E	74	3
2 17	9 43.16	+61 4.8	1.393	2.175	20.0	18.0	131 E	74	3
2 19	9 39.68	+60 59.1	1.407	2.182	20.2	18.0	130 E	74	3
2 21	9 36.33	+60 51.2	1.421	2.188	20.4	18.1	130 E	74	3

30767 Chriskraft *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 26	9 28.69	+60 22.3	1.460	2.205	20.9	18.2	127 E	75	4
3 2	9 22.29	+59 41.8	1.502	2.222	21.5	18.3	125 E	75	4
3 7	9 17.27	+58 51.6	1.548	2.239	22.0	18.4	122 E	76	5
3 12	9 13.66	+57 53.6	1.596	2.256	22.6	18.5	119 E	77	6
3 17	9 11.42	+56 49.2	1.648	2.273	23.1	18.6	116 E	78	7
3 22	9 10.46	+55 40.0	1.702	2.289	23.5	18.7	113 E	79	8
3 27	9 10.67	+54 27.0	1.759	2.306	23.9	18.8	110 E	81	10
4 1	9 11.94	+53 11.4	1.818	2.322	24.2	18.9	107 E	82	11
4 6	9 14.13	+51 53.8	1.879	2.339	24.5	19.0	104 E	83	12
4 11	9 17.11	+50 35.0	1.941	2.355	24.6	19.0	101 E	84	13
4 16	9 20.77	+49 15.3	2.005	2.371	24.7	19.1	98 E	86	15
4 21	9 25.01	+47 55.1	2.070	2.387	24.8	19.2	96 E	87	16
4 26	9 29.75	+46 34.6	2.136	2.403	24.7	19.3	93 E	87*	17
5 1	9 34.91	+45 14.1	2.204	2.419	24.6	19.4	90 E	83*	19
5 6	9 40.43	+43 53.8	2.271	2.434	24.4	19.4	87 E	79*	20
5 11	9 46.23	+42 33.8	2.339	2.450	24.2	19.5	84 E	75*	21
5 16	9 52.28	+41 14.0	2.407	2.465	23.9	19.6	81 E	71*	23
5 21	9 58.53	+39 54.7	2.476	2.480	23.6	19.7	78 E	67*	24
5 31	10 11.52	+37 17.3	2.612	2.510	22.7	19.8	73 E	60*	27*
6 10	10 24.95	+34 41.9	2.746	2.539	21.7	19.9	68 E	52*	29*
6 20	10 38.68	+32 8.7	2.877	2.567	20.5	20.0	62 E	46*	30*
6 30	10 52.60	+29 37.7	3.004	2.594	19.2	20.0	57 E	40*	31*
7 10	11 6.62	+27 9.3	3.125	2.621	17.7	20.1	52 E	34*	30*
7 20	11 20.69	+24 43.6	3.240	2.647	16.2	20.1	47 E	30*	29*
7 30	11 34.79	+22 20.6	3.346	2.672	14.6	20.2	42 E	26*	26*
8 9	11 48.87	+20 0.8	3.444	2.697	12.9	20.2	36 E	22*	23*
8 19	12 2.93	+17 44.3	3.531	2.720	11.2	20.2	32 E	19*	19*
8 29	12 16.97	+15 31.4	3.607	2.743	9.5	20.2	27 E	17*	14*
9 8	12 30.95	+13 22.3	3.672	2.764	7.9	20.2	22 E	14*	9*
9 18	12 44.90	+11 17.5	3.723	2.785	6.4	20.2	18 E	12*	4*
9 28	12 58.78	+ 9 17.2	3.761	2.805	5.3	20.2	15 E	9*	—
10 8	13 12.58	+ 7 21.8	3.784	2.824	4.9	20.2	14 E	6*	—
10 18	13 26.28	+ 5 31.6	3.792	2.843	5.3	20.2	15 W	6*	—
10 28	13 39.85	+ 3 47.1	3.785	2.860	6.3	20.3	18 W	11*	—
11 7	13 53.26	+ 2 8.5	3.762	2.876	7.7	20.3	23 W	17*	—
11 17	14 6.44	+ 0 36.2	3.724	2.892	9.3	20.4	28 W	22*	3*
11 27	14 19.34	− 0 49.4	3.670	2.906	11.0	20.4	34 W	27*	9*
12 7	14 31.87	− 2 8.1	3.601	2.920	12.6	20.5	40 W	31*	16*
12 17	14 43.93	− 3 19.6	3.517	2.933	14.2	20.5	47 W	35*	23*
12 27	14 55.41	− 4 23.9	3.420	2.944	15.6	20.5	54 W	37*	31*
1 6	15 6.15	− 5 20.8	3.310	2.955	16.9	20.4	61 W	38*	39*
1 16	15 16.00	− 6 10.5	3.190	2.965	17.9	20.4	68 W	38*	48*

10578 1995 *LH*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 36.07	+23 20.1	3.232	3.793	13.3	20.5	118 W	68	41
1 2	10 34.69	+24 4.0	3.104	3.791	11.8	20.4	128 W	69	40
1 12	10 31.23	+24 56.4	2.994	3.788	9.9	20.2	139 W	70	39
1 22	10 25.76	+25 54.0	2.906	3.784	7.7	20.1	149 W	71	38
1 27	10 22.33	+26 23.4	2.872	3.781	6.6	20.0	154 W	71	38
2 1	10 18.50	+26 52.2	2.845	3.779	5.5	19.9	159 W	72	37
2 6	10 14.36	+27 19.9	2.825	3.776	4.6	19.8	162 W	72	37
2 11	10 9.96	+27 45.6	2.814	3.773	4.0	19.8	164 W	73	36
2 16	10 5.41	+28 9.0	2.810	3.770	4.1	19.8	164 W	73	36
2 21	10 0.79	+28 29.3	2.813	3.767	4.6	19.8	162 E	73	36
2 26	9 56.20	+28 46.3	2.825	3.763	5.5	19.9	158 E	74	35
3 2	9 51.76	+28 59.5	2.844	3.760	6.6	19.9	154 E	74	35
3 7	9 47.54	+29 8.8	2.870	3.756	7.8	20.0	149 E	74	35
3 12	9 43.64	+29 14.3	2.902	3.752	9.0	20.1	144 E	74	35
3 22	9 37.02	+29 13.9	2.985	3.743	11.1	20.2	134 E	74	35
4 1	9 32.31	+28 59.7	3.088	3.733	12.9	20.4	123 E	74	35
4 11	9 29.69	+28 33.8	3.205	3.722	14.3	20.5	114 E	74	35
4 21	9 29.15	+27 58.4	3.333	3.711	15.2	20.6	104 E	73	36
5 1	9 30.57	+27 15.2	3.467	3.698	15.7	20.7	95 E	70*	37
5 11	9 33.77	+26 25.9	3.602	3.685	15.9	20.8	87 E	64*	38
5 21	9 38.51	+25 31.4	3.735	3.671	15.7	20.8	79 E	56*	38*
5 31	9 44.60	+24 32.7	3.863	3.656	15.2	20.9	71 E	48*	39*
6 10	9 51.81	+23 30.3	3.983	3.640	14.4	20.9	63 E	40*	38*
6 20	9 59.97	+22 24.6	4.093	3.624	13.4	20.9	56 E	33*	36*
6 30	10 8.92	+21 15.9	4.192	3.606	12.3	20.9	49 E	27*	33*
7 10	10 18.52	+20 4.6	4.277	3.588	10.9	20.9	42 E	21*	29*
7 20	10 28.66	+18 50.9	4.348	3.569	9.5	20.9	35 E	17*	25*
7 30	10 39.24	+17 35.2	4.404	3.549	7.9	20.8	29 E	13*	19*
8 9	10 50.16	+16 17.7	4.442	3.528	6.3	20.8	23 E	10*	14*
8 19	11 1.37	+14 58.8	4.464	3.506	4.7	20.7	17 E	7*	8*
8 29	11 12.80	+13 38.8	4.468	3.483	3.2	20.6	11 E	4*	1*
9 8	11 24.38	+12 18.2	4.455	3.460	2.3	20.5	8 E	2*	—
9 18	11 36.09	+10 57.5	4.424	3.435	2.7	20.5	9 W	2*	—
9 28	11 47.86	+ 9 37.1	4.374	3.410	4.0	20.5	14 W	8*	—
10 8	11 59.64	+ 8 17.7	4.308	3.384	5.7	20.6	20 W	14*	—
10 18	12 11.39	+ 6 59.7	4.224	3.357	7.5	20.6	26 W	20*	5*

10578 1995 *LH* *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 28	12 23.05	+ 5 43.9	4.124	3.329	9.2	20.6	33 W	26*	9*
11 7	12 34.54	+ 4 30.9	4.008	3.300	10.9	20.6	39 W	32*	14*
11 17	12 45.81	+ 3 21.4	3.878	3.271	12.6	20.6	46 W	37*	20*
11 27	12 56.75	+ 2 16.2	3.735	3.240	14.1	20.5	53 W	41*	26*
12 7	13 7.26	+ 1 16.2	3.580	3.209	15.5	20.5	60 W	43*	33*
12 17	13 17.22	+ 0 22.2	3.416	3.177	16.7	20.4	68 W	45*	40*
12 27	13 26.44	− 0 24.9	3.244	3.144	17.6	20.3	75 W	45*	47*
1 6	13 34.78	− 1 4.4	3.067	3.110	18.3	20.1	83 W	44	55*
1 16	13 41.99	− 1 35.2	2.887	3.075	18.7	20.0	92 W	43	61*

108410 2001 KG_{32}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 36.93	+18 54.7	2.050	2.640	19.5	21.1	116 W	64	45
1 2	10 36.62	+19 33.9	1.952	2.659	17.2	20.9	127 W	65	44
1 12	10 33.35	+20 27.5	1.868	2.677	14.4	20.7	138 W	65	44
1 22	10 27.13	+21 31.7	1.804	2.695	10.9	20.5	149 W	67	42
2 1	10 18.32	+22 40.0	1.765	2.711	7.2	20.3	160 W	68	41
2 6	10 13.18	+23 13.1	1.756	2.719	5.5	20.2	165 W	68	41
2 11	10 7.72	+23 44.1	1.754	2.726	4.4	20.2	168 W	69	40
2 16	10 2.09	+24 12.1	1.759	2.734	4.2	20.2	168 W	69	40
2 21	9 56.43	+24 36.3	1.772	2.741	5.1	20.3	166 E	70	39
2 26	9 50.93	+24 56.0	1.792	2.747	6.7	20.4	161 E	70	39
3 2	9 45.72	+25 10.8	1.819	2.754	8.4	20.5	156 E	70	39
3 7	9 40.96	+25 20.7	1.852	2.760	10.2	20.6	151 E	70	39
3 12	9 36.73	+25 25.6	1.892	2.766	11.9	20.7	145 E	70	39
3 17	9 33.12	+25 25.8	1.938	2.772	13.4	20.8	140 E	70	39
3 22	9 30.19	+25 21.7	1.988	2.778	14.9	20.9	134 E	70	39
3 27	9 27.97	+25 13.4	2.044	2.783	16.1	21.0	129 E	70	39
4 1	9 26.47	+25 1.5	2.103	2.788	17.3	21.2	124 E	70	39
4 6	9 25.68	+24 46.3	2.165	2.793	18.2	21.2	119 E	70	39
4 11	9 25.57	+24 28.2	2.230	2.797	19.0	21.3	114 E	69	40
4 16	9 26.12	+24 7.5	2.297	2.802	19.7	21.4	110 E	69	40

488490 2000 AF_{205}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 39.20	− 1 58.2	0.239	1.082	59.7	21.0	108 W	43	66
12 28	10 30.23	− 1 51.4	0.234	1.104	53.7	20.8	115 W	43	66
1 2	10 19.11	− 1 30.2	0.230	1.125	47.3	20.6	123 W	43	66
1 7	10 5.75	− 0 52.4	0.226	1.145	40.4	20.5	131 W	44	65
1 12	9 50.27	+ 0 3.1	0.225	1.164	33.2	20.3	140 W	45	64
1 17	9 33.10	+ 1 15.8	0.225	1.182	25.8	20.1	148 W	46	63
1 22	9 14.93	+ 2 43.0	0.229	1.199	18.6	19.9	157 W	48	61
1 27	8 56.75	+ 4 19.8	0.237	1.215	12.4	19.8	165 W	49	60
2 1	8 39.64	+ 5 59.9	0.249	1.230	9.6	19.9	168 E	51	58
2 6	8 24.45	+ 7 37.3	0.265	1.243	11.8	20.1	165 E	53	56
2 11	8 11.75	+ 9 7.6	0.284	1.256	16.4	20.4	159 E	54	55
2 16	8 1.72	+10 28.6	0.307	1.268	21.3	20.8	152 E	55	54
2 21	7 54.38	+11 39.3	0.333	1.278	25.8	21.1	146 E	57	52
2 26	7 49.59	+12 39.9	0.362	1.287	29.8	21.4	140 E	58	51

124162 2001 OQ_{13}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 39.77	+10 59.8	2.213	2.753	19.2	21.5	113 W	56	53
1 2	10 40.16	+11 25.7	2.102	2.768	17.2	21.3	123 W	56	53
1 12	10 37.92	+12 8.6	2.005	2.783	14.6	21.2	134 W	57	52
1 22	10 33.05	+13 7.2	1.926	2.796	11.4	21.0	146 W	58	51
2 1	10 25.79	+14 17.8	1.870	2.808	7.6	20.7	158 W	59	50
2 11	10 16.75	+15 34.4	1.843	2.819	3.5	20.5	170 W	61	48
2 21	10 6.80	+16 49.7	1.845	2.830	2.2	20.4	174 E	62	47
2 26	10 1.83	+17 24.5	1.857	2.835	3.9	20.6	169 E	62	47
3 2	9 57.03	+17 56.4	1.877	2.839	5.9	20.7	163 E	63	46
3 7	9 52.55	+18 24.8	1.904	2.844	7.9	20.8	157 E	63	46
3 12	9 48.48	+18 49.2	1.938	2.848	9.8	20.9	151 E	64	45
3 17	9 44.92	+19 9.6	1.978	2.852	11.5	21.1	145 E	64	45
3 22	9 41.93	+19 25.7	2.024	2.855	13.1	21.2	139 E	64	45
3 27	9 39.57	+19 37.6	2.074	2.859	14.6	21.3	134 E	65	44
4 1	9 37.85	+19 45.4	2.129	2.862	15.8	21.4	129 E	65	44
4 6	9 36.79	+19 49.4	2.188	2.865	16.9	21.5	123 E	65	44

8566 1996 *EN*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 41.12	−17 23.1	1.596	2.024	28.5	20.1	101 W	28	81
12 28	10 43.18	−17 39.0	1.520	2.010	28.2	20.0	105 W	27	82
1 2	10 44.53	−17 48.6	1.445	1.996	27.8	19.8	109 W	27	82
1 7	10 45.09	−17 50.5	1.371	1.980	27.1	19.7	114 W	27	82
1 12	10 44.78	−17 43.2	1.298	1.964	26.2	19.5	118 W	27	82
1 17	10 43.54	−17 24.9	1.227	1.948	25.0	19.3	123 W	28	81
1 22	10 41.28	−16 53.6	1.159	1.930	23.6	19.2	128 W	28	81
1 27	10 37.93	−16 7.0	1.094	1.912	21.8	19.0	134 W	29	80
2 1	10 33.47	−15 2.6	1.033	1.893	19.8	18.7	139 W	30	79
2 6	10 27.91	−13 38.2	0.976	1.874	17.4	18.5	145 W	31	78
2 11	10 21.31	−11 51.9	0.926	1.853	14.8	18.3	151 W	33	76
2 16	10 13.76	− 9 42.5	0.881	1.832	12.1	18.1	157 W	35	74
2 21	10 5.45	− 7 10.0	0.845	1.810	9.8	17.9	162 E	38	71

8566 1996 *EN* *(continuation)*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 26	9 56.64	− 4 16.2	0.816	1.788	8.9	17.7	164 E	41	68
3 2	9 47.65	− 1 5.0	0.795	1.765	10.0	17.7	162 E	44	65
3 7	9 38.81	+ 2 17.9	0.784	1.741	12.9	17.7	157 E	47	62
3 12	9 30.47	+ 5 46.0	0.781	1.716	16.7	17.8	150 E	51	58
3 17	9 22.90	+ 9 12.5	0.785	1.690	20.6	17.9	143 E	54	55
3 22	9 16.38	+12 31.6	0.797	1.664	24.6	18.1	136 E	58	51
3 27	9 11.09	+15 38.9	0.814	1.638	28.3	18.2	129 E	61	48
4 1	9 7.15	+18 31.4	0.837	1.610	31.7	18.3	122 E	64	45
4 6	9 4.60	+21 8.2	0.863	1.582	34.7	18.4	116 E	66	43
4 11	9 3.44	+23 29.2	0.891	1.553	37.3	18.5	110 E	68	41
4 16	9 3.62	+25 35.0	0.921	1.523	39.6	18.6	105 E	71	38
4 21	9 5.09	+27 26.9	0.952	1.493	41.6	18.7	99 E	72*	37
4 26	9 7.80	+29 6.0	0.982	1.463	43.3	18.8	95 E	72*	35
5 1	9 11.66	+30 33.8	1.011	1.431	44.7	18.8	90 E	71*	33
5 6	9 16.58	+31 51.5	1.039	1.400	46.0	18.9	86 E	69*	32
5 11	9 22.49	+33 0.2	1.064	1.367	47.1	18.9	82 E	67*	31
5 16	9 29.32	+34 0.8	1.086	1.335	48.0	18.9	79 E	64*	30
5 21	9 37.02	+34 54.2	1.106	1.302	48.9	18.9	76 E	61*	29*
5 26	9 45.54	+35 40.9	1.122	1.268	49.7	18.9	73 E	59*	28*
5 31	9 54.82	+36 21.6	1.134	1.235	50.5	18.9	70 E	56*	27*
6 5	10 4.82	+36 56.7	1.142	1.202	51.2	18.9	67 E	54*	27*
6 10	10 15.51	+37 26.4	1.146	1.168	52.0	18.9	65 E	52*	26*
6 20	10 38.83	+38 10.4	1.139	1.103	53.9	18.8	61 E	49*	24*
6 30	11 4.66	+38 33.4	1.112	1.040	56.3	18.7	58 E	46*	23*
7 10	11 32.83	+38 33.4	1.065	0.982	59.4	18.5	56 E	45*	22*
7 15	11 47.77	+38 23.0	1.034	0.956	61.3	18.5	56 E	45*	22*
7 20	12 3.29	+38 4.3	0.997	0.932	63.5	18.4	55 E	45*	22*
7 25	12 19.37	+37 35.9	0.956	0.911	65.9	18.3	55 E	45*	22*
7 30	12 36.03	+36 55.6	0.909	0.893	68.6	18.3	55 E	45*	22*
8 4	12 53.25	+36 1.0	0.859	0.878	71.5	18.2	55 E	45*	22*
8 9	13 11.07	+34 48.2	0.805	0.867	74.5	18.1	56 E	46*	23*
8 14	13 29.55	+33 12.6	0.749	0.860	77.7	18.1	56 E	46*	24*
8 19	13 48.79	+31 7.9	0.690	0.858	80.9	18.0	57 E	47*	25*
8 21	13 56.73	+30 8.0	0.667	0.858	82.1	18.0	57 E	47*	26*
8 23	14 4.82	+29 1.7	0.643	0.859	83.3	17.9	58 E	47*	27*
8 25	14 13.08	+27 48.0	0.619	0.861	84.5	17.9	58 E	47*	28*
8 27	14 21.52	+26 26.4	0.596	0.863	85.6	17.9	58 E	47*	29*
8 29	14 30.15	+24 55.9	0.573	0.866	86.7	17.8	59 E	46*	30*
8 31	14 39.00	+23 15.6	0.550	0.869	87.6	17.8	59 E	46*	32*
9 2	14 48.09	+21 24.6	0.528	0.874	88.5	17.7	60 E	46*	33*
9 4	14 57.43	+19 22.0	0.507	0.879	89.3	17.7	61 E	45*	35*
9 6	15 7.05	+17 6.7	0.486	0.884	89.9	17.6	61 E	44*	37*
9 8	15 16.99	+14 37.9	0.467	0.890	90.3	17.6	62 E	44*	39*
9 10	15 27.26	+11 54.8	0.449	0.897	90.6	17.5	63 E	42*	42*
9 12	15 37.90	+ 8 57.1	0.432	0.904	90.7	17.5	64 E	41*	44*
9 14	15 48.93	+ 5 44.7	0.417	0.912	90.5	17.4	65 E	39*	47*
9 16	16 0.39	+ 2 18.2	0.404	0.920	90.1	17.3	66 E	37*	50*
9 18	16 12.29	− 1 21.1	0.394	0.928	89.5	17.3	67 E	35*	53*
9 20	16 24.67	− 5 11.1	0.385	0.937	88.5	17.2	69 E	33*	57*
9 22	16 37.54	− 9 8.9	0.379	0.947	87.4	17.1	70 E	30*	60*
9 24	16 50.90	−13 10.9	0.375	0.957	86.0	17.1	72 E	27*	63*
9 26	17 4.76	−17 12.7	0.375	0.967	84.4	17.1	74 E	24*	66*
9 28	17 19.11	−21 10.1	0.377	0.978	82.7	17.0	75 E	21*	69*
9 30	17 33.91	−24 58.8	0.381	0.989	80.9	17.0	77 E	18*	71*
10 2	17 49.13	−28 35.2	0.388	1.000	79.0	17.0	79 E	15*	73*
10 4	18 4.72	−31 56.4	0.397	1.011	77.0	17.0	80 E	12*	73*
10 6	18 20.61	−35 0.2	0.409	1.023	75.1	17.0	82 E	9*	74*
10 8	18 36.71	−37 45.5	0.422	1.035	73.3	17.1	83 E	7*	73*
10 10	18 52.93	−40 12.1	0.437	1.047	71.5	17.1	84 E	5*	72*
10 12	19 9.18	−42 20.0	0.454	1.060	69.8	17.2	85 E	3*	72*
10 14	19 25.35	−44 10.3	0.472	1.072	68.1	17.2	86 E	1	71*
10 16	19 41.33	−45 43.8	0.491	1.085	66.6	17.3	87 E	—	70*
10 18	19 57.04	−47 2.0	0.511	1.098	65.1	17.3	87 E	—	69*
10 20	20 12.40	−48 6.1	0.532	1.110	63.6	17.4	88 E	—	68*
10 22	20 27.32	−48 57.8	0.553	1.123	62.3	17.5	88 E	—	67*
10 24	20 41.75	−49 38.2	0.576	1.137	61.0	17.6	89 E	—	66*
10 26	20 55.65	−50 8.8	0.598	1.150	59.8	17.6	89 E	—	66
10 28	21 8.99	−50 30.6	0.622	1.163	58.7	17.7	89 E	—	65
10 30	21 21.76	−50 44.8	0.645	1.176	57.6	17.8	89 E	—	65
11 1	21 33.96	−50 52.2	0.669	1.190	56.5	17.9	89 E	—	65
11 3	21 45.60	−50 53.9	0.693	1.203	55.5	17.9	89 E	—	65
11 5	21 56.69	−50 50.4	0.717	1.216	54.6	18.0	89 E	—	65
11 7	22 7.25	−50 42.5	0.741	1.230	53.7	18.1	89 E	—	65
11 9	22 17.31	−50 30.7	0.766	1.243	52.8	18.1	89 E	—	65
11 11	22 26.90	−50 15.4	0.791	1.256	52.0	18.2	89 E	—	66
11 13	22 36.04	−49 57.2	0.815	1.270	51.2	18.3	89 E	—	66
11 15	22 44.77	−49 36.3	0.840	1.283	50.4	18.3	89 E	—	66
11 17	22 53.11	−49 13.2	0.865	1.296	49.7	18.4	88 E	—	67

8566 1996 *EN* *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 22	23 12.46	−48 6.9	0.927	1.329	47.9	18.6	88 E	—	68
11 27	23 29.96	−46 51.4	0.989	1.362	46.3	18.7	87 E	—	69
12 2	23 45.94	−45 29.0	1.051	1.394	44.9	18.8	86 E	—	71*
12 7	0 0.68	−44 1.4	1.113	1.426	43.5	19.0	85 E	1	72*
12 12	0 14.41	−42 29.8	1.174	1.458	42.2	19.1	84 E	3	73*
12 17	0 27.35	−40 55.3	1.235	1.488	41.1	19.2	83 E	4	74*
12 22	0 39.64	−39 18.6	1.296	1.519	39.9	19.4	82 E	6	74*
12 27	0 51.40	−37 40.5	1.357	1.548	38.9	19.5	81 E	7	74*
1 1	1 2.72	−36 1.5	1.417	1.577	37.9	19.6	80 E	9	74*
1 6	1 13.69	−34 22.1	1.477	1.605	36.9	19.7	79 E	11	73*
1 11	1 24.38	−32 42.5	1.536	1.633	36.0	19.8	77 E	12	71*
1 16	1 34.84	−31 3.3	1.595	1.660	35.1	19.9	76 E	14	70*

363221 2001 VX_{81}

12 23	10 41.29	−23 15.5	1.034	1.521	39.9	19.6	98 W	22	87
12 28	10 50.06	−25 45.8	1.002	1.512	39.9	19.5	99 W	19	90
1 2	10 58.53	−28 13.5	0.972	1.505	40.0	19.4	101 W	17	88
1 7	11 6.67	−30 37.5	0.944	1.498	39.9	19.3	102 W	14	85
1 12	11 14.44	−32 56.5	0.917	1.493	39.8	19.3	104 W	12	83
1 17	11 21.79	−35 9.6	0.891	1.489	39.6	19.2	105 W	10	81
1 22	11 28.64	−37 15.4	0.867	1.487	39.4	19.1	107 W	8	79
1 27	11 34.91	−39 12.5	0.844	1.485	39.0	19.0	108 W	6	77
2 1	11 40.55	−40 59.6	0.822	1.485	38.5	19.0	110 W	4	75
2 6	11 45.49	−42 35.4	0.801	1.485	38.0	18.9	112 W	2	73
2 11	11 49.67	−43 58.6	0.781	1.487	37.3	18.8	114 W	1	72
2 16	11 53.03	−45 7.8	0.761	1.491	36.4	18.8	116 W	—	71
2 21	11 55.52	−46 1.4	0.743	1.495	35.5	18.7	119 W	—	70
2 26	11 57.17	−46 37.8	0.726	1.501	34.3	18.6	121 W	—	69
3 2	11 58.01	−46 55.4	0.710	1.507	33.1	18.5	124 W	—	69
3 7	11 58.19	−46 53.0	0.696	1.515	31.6	18.5	127 W	—	69
3 12	11 57.84	−46 29.6	0.683	1.524	30.1	18.4	130 W	—	70
3 17	11 57.15	−45 44.5	0.673	1.534	28.4	18.3	133 W	—	70
3 22	11 56.34	−44 37.6	0.665	1.545	26.6	18.3	136 E	—	71
3 27	11 55.65	−43 9.4	0.660	1.557	24.9	18.2	139 E	2	73
4 1	11 55.31	−41 21.8	0.658	1.569	23.2	18.2	142 E	4	75
4 6	11 55.50	−39 17.5	0.660	1.583	21.8	18.2	144 E	6	77
4 11	11 56.34	−37 0.3	0.666	1.597	20.7	18.2	146 E	8	79
4 16	11 57.89	−34 34.0	0.677	1.613	20.0	18.2	147 E	10	81
4 21	12 0.18	−32 3.0	0.693	1.629	19.8	18.3	147 E	13	84
4 26	12 3.22	−29 31.8	0.713	1.645	20.2	18.4	146 E	15	86
5 1	12 6.98	−27 4.4	0.739	1.662	20.9	18.5	144 E	18	89
5 6	12 11.40	−24 44.4	0.769	1.680	21.9	18.6	142 E	20	89
5 11	12 16.40	−22 34.1	0.804	1.699	23.1	18.8	139 E	22	87
5 16	12 21.91	−20 35.1	0.843	1.717	24.4	18.9	135 E	24	85
5 21	12 27.87	−18 48.3	0.887	1.737	25.6	19.1	132 E	26	83
5 31	12 40.94	−15 52.5	0.986	1.776	27.8	19.5	125 E	29*	80
6 10	12 55.17	−13 44.2	1.099	1.817	29.4	19.8	118 E	31*	78
6 20	13 10.23	−12 16.7	1.223	1.859	30.5	20.1	112 E	31*	76
6 25	13 18.00	−11 45.9	1.288	1.880	30.8	20.2	109 E	30*	76
6 30	13 25.92	−11 22.6	1.356	1.902	31.0	20.4	106 E	30*	75
7 5	13 33.95	−11 5.8	1.425	1.923	31.1	20.5	103 E	29*	75
7 10	13 42.08	−10 54.7	1.496	1.945	31.0	20.6	100 E	28*	75
7 15	13 50.29	−10 48.6	1.568	1.967	30.9	20.8	97 E	28*	75
7 20	13 58.59	−10 46.8	1.642	1.988	30.7	20.9	94 E	27*	75
7 25	14 6.97	−10 48.7	1.716	2.010	30.3	21.0	91 E	26*	75
7 30	14 15.42	−10 53.7	1.791	2.032	30.0	21.1	88 E	26*	75*
8 4	14 23.93	−11 1.2	1.867	2.054	29.5	21.2	86 E	25*	74*
8 9	14 32.49	−11 10.8	1.943	2.075	29.0	21.3	83 E	25*	72*
8 14	14 41.12	−11 22.1	2.019	2.097	28.4	21.4	80 E	24*	71*
8 19	14 49.79	−11 34.6	2.096	2.119	27.8	21.5	77 E	24*	69*

357153 2002 CO_{23}

12 23	10 43.47	+ 1 38.5	1.825	2.335	23.5	21.3	109 W	47	62*
1 2	10 44.41	+ 1 15.0	1.741	2.373	21.4	21.1	118 W	46	63
1 12	10 42.35	+ 1 11.5	1.667	2.410	18.5	21.0	129 W	46	63
1 22	10 37.34	+ 1 29.4	1.608	2.447	14.9	20.8	140 W	46	63
2 1	10 29.69	+ 2 8.4	1.568	2.483	10.7	20.6	152 W	47	62
2 11	10 20.17	+ 3 5.4	1.554	2.518	6.1	20.4	164 W	48	61
2 16	10 15.03	+ 3 38.8	1.557	2.535	4.0	20.3	170 W	49	60
2 21	10 9.83	+ 4 14.3	1.567	2.552	2.6	20.3	173 E	49	60
2 26	10 4.73	+ 4 50.9	1.585	2.568	3.2	20.4	172 E	50	59
3 2	9 59.88	+ 5 27.5	1.610	2.585	5.0	20.5	167 E	50	59
3 7	9 55.42	+ 6 3.1	1.642	2.601	7.0	20.7	161 E	51	58
3 12	9 51.46	+ 6 37.1	1.680	2.617	9.1	20.8	155 E	52	57
3 17	9 48.06	+ 7 8.6	1.725	2.633	11.0	21.0	150 E	52	57
3 22	9 45.30	+ 7 37.2	1.776	2.648	12.8	21.1	144 E	53	56
3 27	9 43.20	+ 8 2.5	1.833	2.664	14.4	21.3	139 E	53	56
4 1	9 41.79	+ 8 24.3	1.894	2.679	15.8	21.4	133 E	53	56

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		2329 Orthos							
	h m	° ′			°	m	°	°	°
12 23	10 43.94	− 2 44.0	3.426	3.827	14.2	20.9	107 W	42	67*
1 2	10 42.82	− 2 43.5	3.257	3.807	13.3	20.7	117 W	42	67
1 12	10 39.84	− 2 29.3	3.102	3.785	11.8	20.6	128 W	43	66
1 22	10 34.98	− 1 59.8	2.964	3.762	9.9	20.4	139 W	43	66
2 1	10 28.38	− 1 14.4	2.849	3.737	7.5	20.2	150 W	44	65
2 11	10 20.37	− 0 13.7	2.762	3.712	4.8	20.0	162 W	45	64
2 21	10 11.46	+ 0 59.7	2.707	3.684	2.7	19.8	170 E	46	63
3 2	10 2.31	+ 2 21.7	2.684	3.656	3.6	19.8	167 E	47	62
3 7	9 57.87	+ 3 4.3	2.686	3.641	4.9	19.9	162 E	48	61
3 12	9 53.64	+ 3 47.0	2.695	3.626	6.4	19.9	156 E	49	60
3 17	9 49.69	+ 4 29.2	2.711	3.610	7.8	20.0	150 E	49	60
3 22	9 46.10	+ 5 10.4	2.735	3.595	9.2	20.1	145 E	50	59
4 1	9 40.18	+ 6 27.3	2.802	3.562	11.8	20.2	133 E	51	58
4 11	9 36.21	+ 7 34.5	2.889	3.528	13.9	20.3	122 E	53	56
4 21	9 34.27	+ 8 30.3	2.991	3.492	15.5	20.4	112 E	54	55
5 1	9 34.37	+ 9 13.9	3.102	3.455	16.6	20.5	102 E	53*	55
5 11	9 36.37	+ 9 45.3	3.217	3.417	17.2	20.6	93 E	50*	54
5 21	9 40.10	+10 5.3	3.332	3.376	17.3	20.7	84 E	44*	54
5 31	9 45.37	+10 14.4	3.443	3.335	17.1	20.7	75 E	38*	53*
6 10	9 51.99	+10 13.5	3.546	3.292	16.5	20.7	67 E	31*	51*
6 20	9 59.78	+10 3.5	3.639	3.247	15.7	20.7	60 E	24*	47*
6 30	10 8.59	+ 9 45.2	3.720	3.201	14.6	20.7	52 E	19*	42*
7 10	10 18.29	+ 9 19.2	3.786	3.153	13.2	20.7	45 E	14*	37*
7 20	10 28.75	+ 8 46.4	3.837	3.103	11.7	20.6	38 E	10*	31*
7 30	10 39.91	+ 8 7.4	3.871	3.052	10.0	20.5	31 E	7*	25*
8 9	10 51.66	+ 7 22.9	3.888	2.998	8.2	20.4	25 E	4*	19*
8 19	11 3.97	+ 6 33.4	3.887	2.943	6.2	20.3	18 E	1*	12*
8 29	11 16.79	+ 5 39.7	3.867	2.887	4.2	20.1	12 E	—	6*
9 8	11 30.09	+ 4 42.5	3.828	2.828	2.1	19.9	6 E	—	—
9 18	11 43.86	+ 3 42.3	3.772	2.768	0.7	19.7	2 E	—	—
9 28	11 58.10	+ 2 40.0	3.697	2.705	2.6	19.8	7 W	1*	—
10 8	12 12.81	+ 1 36.4	3.605	2.641	4.8	19.8	13 W	7*	—
10 18	12 28.01	+ 0 32.2	3.497	2.574	7.2	19.8	19 W	12*	4*
10 28	12 43.74	− 0 31.5	3.373	2.506	9.6	19.8	25 W	18*	7*
11 7	13 0.03	− 1 33.6	3.235	2.435	12.0	19.7	31 W	23*	11*
11 17	13 16.96	− 2 33.1	3.084	2.363	14.4	19.6	36 W	27*	16*
11 27	13 34.58	− 3 28.6	2.922	2.288	16.8	19.5	42 W	31*	20*
12 7	13 53.00	− 4 18.3	2.751	2.210	19.2	19.4	48 W	34*	25*
12 17	14 12.34	− 5 0.6	2.572	2.131	21.7	19.2	53 W	36*	31*
12 27	14 32.74	− 5 33.3	2.389	2.049	24.1	19.1	58 W	37*	36*
1 6	14 54.40	− 5 53.7	2.203	1.965	26.5	18.9	63 W	38*	42*
1 16	15 17.57	− 5 58.9	2.016	1.878	29.0	18.7	68 W	38*	47*
		1593 Fagnes							
12 23	10 45.11	+12 19.4	2.291	2.817	18.8	18.0	112 W	57	52*
1 2	10 46.46	+12 51.6	2.155	2.808	17.2	17.8	122 W	58	51
1 12	10 45.29	+13 41.7	2.033	2.799	14.9	17.6	133 W	59	50
1 22	10 41.49	+14 48.7	1.928	2.788	11.9	17.4	144 W	60	49
2 1	10 35.10	+16 9.5	1.847	2.776	8.3	17.1	156 W	61	48
2 6	10 31.06	+16 53.2	1.816	2.770	6.4	17.0	162 W	62	47
2 11	10 26.57	+17 37.9	1.792	2.763	4.5	16.9	167 W	63	46
2 16	10 21.72	+18 22.5	1.776	2.756	3.1	16.8	171 W	63	46
2 21	10 16.64	+19 6.0	1.767	2.749	2.9	16.7	172 W	64	45
2 26	10 11.48	+19 47.1	1.766	2.742	4.3	16.8	168 E	65	44
3 2	10 6.39	+20 25.0	1.772	2.735	6.2	16.9	163 E	65	44
3 7	10 1.51	+20 58.9	1.786	2.727	8.2	17.0	157 E	66	43
3 12	9 56.98	+21 28.2	1.806	2.719	10.1	17.1	151 E	66	43
3 17	9 52.91	+21 52.6	1.832	2.711	12.0	17.2	145 E	67	42
3 22	9 49.39	+22 11.9	1.864	2.702	13.8	17.3	140 E	67	42
4 1	9 44.30	+22 35.5	1.943	2.684	16.9	17.5	129 E	68	41
4 11	9 42.02	+22 40.3	2.036	2.665	19.3	17.6	119 E	68	41
4 21	9 42.53	+22 28.8	2.140	2.646	21.0	17.8	109 E	67	42
5 1	9 45.65	+22 3.1	2.250	2.625	22.2	17.9	100 E	66*	42
5 11	9 51.08	+21 25.2	2.362	2.604	22.8	18.0	92 E	62*	43
5 21	9 58.50	+20 36.9	2.473	2.581	23.0	18.1	84 E	55*	43
5 31	10 7.61	+19 39.2	2.581	2.558	22.8	18.2	77 E	48*	44*
6 10	10 18.14	+18 33.1	2.683	2.533	22.2	18.2	71 E	41*	45*
6 20	10 29.86	+17 19.4	2.779	2.508	21.4	18.3	64 E	35*	44*
6 30	10 42.58	+15 58.7	2.866	2.482	20.3	18.3	58 E	29*	42*
7 10	10 56.15	+14 31.6	2.944	2.455	19.1	18.3	52 E	24*	39*
7 20	11 10.45	+12 58.8	3.012	2.427	17.7	18.2	46 E	20*	36*
7 30	11 25.40	+11 20.6	3.070	2.399	16.1	18.2	41 E	17*	32*
8 9	11 40.93	+ 9 37.8	3.116	2.369	14.5	18.2	36 E	14*	28*
8 19	11 57.01	+ 7 51.0	3.152	2.339	12.8	18.1	31 E	12*	23*
8 29	12 13.61	+ 6 0.9	3.176	2.309	11.0	18.0	26 E	9*	18*
9 8	12 30.73	+ 4 8.2	3.189	2.277	9.1	17.9	21 E	8*	13*
9 18	12 48.36	+ 2 13.6	3.191	2.246	7.3	17.8	16 E	6*	9*
9 28	13 6.54	+ 0 18.1	3.182	2.213	5.5	17.7	12 E	4*	4*
10 8	13 25.26	− 1 37.3	3.163	2.180	4.0	17.6	9 E	2*	—

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		1593 Fagnes *(continuation)*							
	h m	° ′			°	m	°	°	°
10 18	13 44.59	− 3 31.7	3.133	2.147	3.2	17.5	7 E	1*	—
10 28	14 4.53	− 5 24.0	3.094	2.114	3.7	17.4	8 W	—	—
11 7	14 25.13	− 7 12.9	3.045	2.080	5.1	17.4	11 W	5*	—
11 17	14 46.42	− 8 57.1	2.988	2.046	7.0	17.4	15 W	8*	—
11 27	15 8.41	−10 35.3	2.923	2.012	9.0	17.5	19 W	12*	3*
12 7	15 31.14	−12 6.0	2.852	1.979	11.0	17.4	23 W	15*	7*
12 17	15 54.60	−13 27.9	2.774	1.945	13.1	17.4	27 W	17*	12*
12 27	16 18.78	−14 39.4	2.691	1.912	15.2	17.4	31 W	19*	17*
1 6	16 43.65	−15 39.3	2.604	1.880	17.3	17.4	35 W	20*	22*
1 16	17 9.17	−16 26.2	2.513	1.848	19.4	17.3	39 W	20*	27*
		171730 2000 WX_{50}							
12 23	10 46.09	− 1 30.7	0.997	1.591	36.3	19.7	107 W	43	66*
1 2	10 50.51	− 4 37.0	0.937	1.615	33.7	19.5	114 W	40	69
1 12	10 50.59	− 7 28.4	0.882	1.639	30.2	19.3	123 W	38	71
1 22	10 45.96	− 9 56.4	0.837	1.665	26.0	19.1	132 W	35	74
1 27	10 41.88	−10 58.3	0.818	1.677	23.7	19.0	137 W	34	75
2 1	10 36.71	−11 50.2	0.804	1.690	21.3	18.9	141 W	33	76
2 6	10 30.61	−12 30.9	0.794	1.703	18.9	18.8	146 W	32	77
2 11	10 23.81	−12 59.4	0.788	1.716	16.6	18.7	150 W	32	77
2 16	10 16.56	−13 15.4	0.787	1.728	14.8	18.7	154 W	32	77
2 21	10 9.15	−13 18.7	0.792	1.741	13.5	18.7	156 E	32	77
2 26	10 1.90	−13 10.3	0.801	1.754	13.1	18.7	156 E	32	77
3 2	9 55.14	−12 51.6	0.816	1.767	13.5	18.8	155 E	32	77
3 7	9 49.11	−12 24.5	0.837	1.779	14.6	18.9	153 E	33	76
3 12	9 44.01	−11 51.4	0.862	1.792	16.2	19.0	150 E	33	76
3 17	9 39.95	−11 14.3	0.892	1.804	18.0	19.2	146 E	34	75
3 22	9 37.01	−10 35.2	0.926	1.816	19.9	19.3	142 E	34	75
3 27	9 35.21	− 9 55.8	0.964	1.828	21.6	19.5	137 E	35	74
4 1	9 34.53	− 9 17.8	1.006	1.840	23.3	19.6	133 E	36	73
4 6	9 34.92	− 8 42.4	1.050	1.852	24.8	19.8	129 E	36	73
4 11	9 36.28	− 8 10.3	1.098	1.864	26.1	19.9	125 E	37	72
4 21	9 41.61	− 7 18.0	1.201	1.886	28.3	20.2	117 E	38	71
5 1	9 49.91	− 6 43.4	1.310	1.908	29.7	20.5	110 E	38*	71
5 11	10 0.55	− 6 27.0	1.426	1.929	30.6	20.7	103 E	36*	70
5 21	10 13.00	− 6 27.6	1.544	1.949	31.0	20.9	97 E	33*	70
5 31	10 26.90	− 6 43.9	1.665	1.968	31.0	21.1	91 E	29*	71
6 10	10 41.90	− 7 14.5	1.787	1.987	30.6	21.3	86 E	25*	71*
6 20	10 57.78	− 7 57.2	1.908	2.004	30.0	21.4	80 E	20*	70*
		316883 2000 SA_{24}							
12 23	10 47.16	+39 0.2	2.648	3.237	15.5	21.4	119 W	84	25*
12 28	10 46.87	+39 31.2	2.580	3.224	14.8	21.3	123 W	85	24
1 2	10 45.82	+40 4.5	2.517	3.210	14.1	21.2	127 W	85	24
1 7	10 43.97	+40 39.3	2.457	3.195	13.3	21.1	132 W	86	23
1 12	10 41.30	+41 15.0	2.403	3.181	12.5	21.1	136 W	86	23
1 17	10 37.80	+41 50.4	2.353	3.166	11.6	21.0	139 W	87	22
1 22	10 33.47	+42 24.6	2.309	3.151	10.8	20.9	143 W	87	22
1 27	10 28.35	+42 56.3	2.272	3.136	10.1	20.8	146 W	88	21
2 1	10 22.52	+43 24.1	2.241	3.121	9.6	20.8	148 W	88	21
2 6	10 16.09	+43 46.9	2.216	3.105	9.3	20.7	149 W	89	20
2 11	10 9.20	+44 3.6	2.198	3.089	9.4	20.7	149 W	89	20
2 16	10 2.01	+44 13.3	2.188	3.073	9.7	20.7	148 W	89	20
2 21	9 54.70	+44 15.3	2.184	3.057	10.3	20.7	146 E	89	20
2 26	9 47.50	+44 9.2	2.186	3.040	11.2	20.7	144 E	89	20
3 2	9 40.57	+43 55.2	2.195	3.023	12.1	20.7	140 E	89	20
3 7	9 34.12	+43 33.4	2.211	3.006	13.2	20.8	136 E	89	20
3 12	9 28.27	+43 4.6	2.231	2.989	14.3	20.8	132 E	88	21
3 17	9 23.14	+42 29.4	2.257	2.972	15.4	20.9	128 E	87	22
3 22	9 18.79	+41 48.6	2.287	2.954	16.4	20.9	123 E	87	22
3 27	9 15.29	+41 3.1	2.322	2.936	17.3	21.0	119 E	86	23
4 1	9 12.64	+40 13.6	2.360	2.918	18.2	21.0	114 E	85	24
4 6	9 10.84	+39 21.0	2.400	2.900	18.9	21.1	110 E	84	25
4 11	9 9.85	+38 25.9	2.443	2.882	19.6	21.1	106 E	83	26
4 16	9 9.64	+37 28.9	2.488	2.863	20.1	21.2	102 E	82	27
4 21	9 10.15	+36 30.3	2.534	2.844	20.5	21.2	97 E	81*	27
4 26	9 11.34	+35 30.5	2.581	2.825	20.8	21.2	93 E	78*	28
5 1	9 13.16	+34 29.9	2.629	2.806	21.0	21.3	89 E	74*	30
5 6	9 15.55	+33 28.4	2.676	2.786	21.2	21.3	86 E	70*	31
5 11	9 18.45	+32 26.4	2.724	2.766	21.2	21.3	82 E	66*	32
5 16	9 21.83	+31 23.9	2.770	2.746	21.1	21.3	78 E	61*	33
5 21	9 25.64	+30 20.9	2.816	2.726	21.0	21.4	75 E	57*	34*
5 26	9 29.84	+29 17.3	2.860	2.706	20.7	21.4	71 E	52*	34*
5 31	9 34.40	+28 13.3	2.903	2.685	20.4	21.4	68 E	48*	35*
6 5	9 39.26	+27 8.8	2.944	2.665	20.1	21.4	64 E	44*	35*
6 10	9 44.42	+26 3.8	2.983	2.644	19.6	21.4	61 E	40*	35*
6 15	9 49.83	+24 58.1	3.020	2.623	19.1	21.4	58 E	37*	35*
6 20	9 55.48	+23 51.8	3.055	2.602	18.6	21.4	55 E	33*	35*
6 25	10 1.35	+22 44.8	3.087	2.580	18.0	21.3	52 E	30*	34*
6 30	10 7.41	+21 37.0	3.117	2.559	17.3	21.3	48 E	27*	33*
7 5	10 13.65	+20 28.4	3.144	2.537	16.6	21.3	46 E	24*	32*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
316883 2000 SA_{24} *(continuation)*									
	h m	° ′			°	m	°	°	°
7 10	10 20.06	+19 19.1	3.168	2.515	15.9	21.3	43 E	21*	30*
7 15	10 26.61	+18 8.8	3.190	2.493	15.1	21.2	40 E	19*	29*
7 20	10 33.32	+16 57.6	3.208	2.471	14.3	21.2	37 E	16*	27*
7 25	10 40.15	+15 45.4	3.224	2.449	13.4	21.2	34 E	14*	25*
7 30	10 47.11	+14 32.3	3.237	2.426	12.5	21.1	31 E	12*	23*
8 4	10 54.19	+13 18.1	3.246	2.404	11.6	21.1	28 E	10*	20*
8 9	11 1.39	+12 2.9	3.253	2.381	10.7	21.0	26 E	9*	18*
8 14	11 8.70	+10 46.5	3.256	2.358	9.7	21.0	23 E	7*	16*
8 19	11 16.12	+ 9 29.1	3.257	2.336	8.7	20.9	20 E	6*	13*
8 24	11 23.66	+ 8 10.6	3.254	2.313	7.7	20.8	18 E	4*	11*
8 29	11 31.30	+ 6 50.9	3.248	2.290	6.7	20.8	15 E	3*	9*
9 3	11 39.06	+ 5 30.1	3.240	2.267	5.6	20.7	13 E	1*	6*
9 8	11 46.93	+ 4 8.1	3.228	2.243	4.5	20.6	10 E	—	4*
9 13	11 54.92	+ 2 44.9	3.214	2.220	3.4	20.5	8 E	—	1*
9 18	12 3.03	+ 1 20.6	3.196	2.197	2.3	20.4	5 E	—	—
9 28	12 19.66	− 1 31.6	3.153	2.151	0.3	20.1	1 E	—	—
10 8	12 36.86	− 4 28.4	3.099	2.105	2.2	20.2	5 W	—	—
10 18	12 54.72	− 7 29.7	3.036	2.059	4.5	20.3	9 W	2*	1*
10 28	13 13.34	−10 35.3	2.963	2.014	6.9	20.3	14 W	5*	5*
11 7	13 32.83	−13 44.8	2.883	1.969	9.2	20.3	19 W	8*	9*
11 17	13 53.36	−16 57.5	2.796	1.925	11.6	20.3	23 W	10*	14*
11 27	14 15.10	−20 12.7	2.704	1.883	13.9	20.2	27 W	12*	18*
12 7	14 38.27	−23 28.7	2.609	1.841	16.2	20.2	31 W	12*	23*
12 17	15 3.12	−26 43.9	2.512	1.802	18.4	20.1	35 W	11*	28*
12 22	15 16.26	−28 20.4	2.463	1.783	19.5	20.1	37 W	11*	30*
12 27	15 29.93	−29 55.5	2.414	1.764	20.6	20.1	39 W	10*	32*
1 1	15 44.15	−31 28.7	2.366	1.746	21.6	20.0	41 W	9*	34*
1 6	15 58.98	−32 59.7	2.319	1.729	22.7	20.0	43 W	8*	36*
1 11	16 14.45	−34 27.6	2.272	1.712	23.7	20.0	44 W	7*	38*
1 16	16 30.57	−35 51.8	2.226	1.697	24.6	19.9	46 W	6*	40*
450563 2006 FN_{36}									
12 23	10 47.40	−24 20.1	1.125	1.570	38.5	20.0	96 W	21	88*
12 28	10 55.18	−26 14.7	1.095	1.570	38.3	19.9	98 W	19	90
1 2	11 2.45	−28 4.6	1.066	1.571	38.1	19.8	100 W	17	88
1 7	11 9.18	−29 48.7	1.038	1.572	37.7	19.8	102 W	15	86
1 12	11 15.28	−31 26.4	1.011	1.575	37.2	19.7	104 W	14	85
1 17	11 20.71	−32 56.6	0.985	1.579	36.6	19.6	107 W	12	83
1 22	11 25.38	−34 18.2	0.959	1.584	36.0	19.6	109 W	11	82
1 27	11 29.23	−35 30.1	0.934	1.589	35.1	19.5	112 W	9	80
2 1	11 32.19	−36 30.9	0.910	1.595	34.2	19.4	115 W	8	79
2 6	11 34.25	−37 19.3	0.888	1.603	33.1	19.4	118 W	8	79
2 11	11 35.40	−37 54.0	0.866	1.611	31.8	19.3	121 W	7	78
2 16	11 35.64	−38 13.6	0.846	1.620	30.4	19.2	124 W	7	78
2 21	11 35.02	−38 16.7	0.828	1.629	28.9	19.1	127 W	7	78
2 26	11 33.66	−38 1.8	0.812	1.640	27.2	19.0	131 W	7	78
3 2	11 31.72	−37 28.2	0.798	1.651	25.4	19.0	134 W	8	79
3 7	11 29.40	−36 35.5	0.788	1.663	23.6	18.9	138 W	8	79
3 12	11 26.93	−35 24.2	0.780	1.675	21.8	18.8	141 E	10	81
3 17	11 24.52	−33 55.5	0.777	1.688	20.1	18.8	144 E	11	82
3 22	11 22.38	−32 11.2	0.778	1.702	18.7	18.8	147 E	13	84
3 27	11 20.73	−30 14.2	0.784	1.716	17.7	18.8	149 E	15	86
4 1	11 19.71	−28 8.1	0.795	1.731	17.1	18.8	149 E	17	88
4 6	11 19.43	−25 56.7	0.811	1.746	17.2	18.9	149 E	19	90
4 11	11 19.94	−23 44.0	0.832	1.762	17.7	19.0	148 E	21	88
4 16	11 21.24	−21 33.4	0.858	1.778	18.7	19.1	145 E	23	86
4 21	11 23.32	−19 27.9	0.889	1.794	19.9	19.2	143 E	26	83
4 26	11 26.15	−17 30.0	0.925	1.811	21.2	19.4	139 E	27	82
5 1	11 29.68	−15 41.5	0.966	1.828	22.6	19.5	136 E	29	80
5 6	11 33.85	−14 3.4	1.011	1.846	23.9	19.7	132 E	31	78
5 11	11 38.57	−12 36.2	1.060	1.864	25.1	19.8	128 E	32	77
5 21	11 49.45	−10 14.3	1.169	1.900	27.2	20.2	121 E	35*	74
5 31	12 1.88	− 8 33.0	1.289	1.936	28.6	20.4	114 E	35*	73
6 10	12 15.48	− 7 27.1	1.420	1.974	29.4	20.7	107 E	34*	71
6 20	12 29.94	− 6 50.2	1.557	2.011	29.8	21.0	101 E	32*	71
6 30	12 45.06	− 6 37.0	1.701	2.049	29.6	21.2	95 E	30*	71
7 10	13 0.68	− 6 42.3	1.848	2.087	29.1	21.4	89 E	28*	71*
100015 1989 SR_7									
12 23	10 47.62	+ 3 5.8	2.385	2.853	19.1	20.8	108 W	48	61*
1 2	10 47.80	+ 2 42.6	2.272	2.872	17.5	20.7	118 W	48	61
1 12	10 45.52	+ 2 34.2	2.170	2.891	15.3	20.5	129 W	48	61
1 22	10 40.79	+ 2 41.5	2.084	2.909	12.5	20.4	140 W	48	61
2 1	10 33.82	+ 3 4.5	2.020	2.926	9.1	20.2	152 W	48	61
2 11	10 25.14	+ 3 41.2	1.982	2.942	5.4	20.0	164 W	49	60
2 21	10 15.53	+ 4 28.0	1.973	2.957	2.2	19.8	174 W	49	60
2 26	10 10.66	+ 4 53.6	1.980	2.964	2.3	19.8	173 E	50	59
3 2	10 5.92	+ 5 19.7	1.994	2.972	3.9	19.9	168 E	50	59
3 7	10 1.43	+ 5 45.6	2.016	2.978	5.7	20.0	163 E	51	58
3 12	9 57.29	+ 6 10.6	2.045	2.985	7.5	20.2	157 E	51	58

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
100015 1989 SR_7 *(continuation)*									
	h m	° ′			°	m	°	°	°
3 22	9 50.37	+ 6 56.2	2.406	2.919	18.2	21.4	112 W	57	52*
4 1	9 45.64	+ 7 33.0	2.224	3.009	13.7	20.6	134 E	53	56
4 11	9 43.31	+ 7 59.0	2.343	3.019	16.0	20.8	124 E	53	56
4 21	9 43.31	+ 8 13.5	2.476	3.029	17.6	21.0	114 E	53	56
5 1	9 45.50	+ 8 16.6	2.618	3.037	18.7	21.2	105 E	53*	56
5 11	9 49.61	+ 8 8.8	2.764	3.045	19.2	21.3	96 E	50*	56
5 21	9 55.38	+ 7 50.9	2.913	3.052	19.4	21.4	88 E	44*	56
98554 2000 WP_6									
12 23	10 47.74	+12 26.7	2.406	2.919	18.2	21.4	112 W	57	52*
1 2	10 47.70	+12 46.9	2.296	2.940	16.4	21.2	122 W	58	51
1 12	10 45.15	+13 21.8	2.200	2.960	14.0	21.1	133 W	58	51
1 22	10 40.09	+14 9.7	2.122	2.979	11.0	20.9	145 W	59	50
2 1	10 32.77	+15 7.2	2.068	2.997	7.5	20.7	156 W	60	49
2 11	10 23.73	+16 8.9	2.042	3.014	3.8	20.5	168 W	61	48
2 21	10 13.81	+17 8.4	2.045	3.030	2.0	20.4	174 E	62	47
2 26	10 8.81	+17 35.5	2.059	3.038	3.4	20.5	170 E	63	46
3 2	10 3.97	+17 59.9	2.080	3.045	5.1	20.6	164 E	63	46
3 7	9 59.39	+18 21.2	2.109	3.052	6.9	20.8	158 E	63	46
3 12	9 55.18	+18 39.0	2.144	3.059	8.7	20.9	152 E	64	45
3 17	9 51.43	+18 53.1	2.186	3.066	10.3	21.0	147 E	64	45
3 22	9 48.19	+19 3.6	2.234	3.072	11.8	21.1	141 E	64	45
3 27	9 45.53	+19 10.4	2.287	3.078	13.2	21.2	135 E	64	45
4 1	9 43.46	+19 13.7	2.345	3.084	14.4	21.3	130 E	64	45
4 6	9 42.00	+19 13.5	2.407	3.090	15.4	21.4	125 E	64	45
4 11	9 41.15	+19 10.3	2.473	3.095	16.3	21.5	120 E	64	45
27657 Berkhey									
12 23	10 48.06	+ 8 13.9	2.246	2.747	19.6	20.1	110 W	53	56*
1 2	10 49.29	+ 9 10.9	2.132	2.764	17.8	20.0	121 W	54	55
1 12	10 47.98	+10 29.5	2.030	2.781	15.4	19.8	131 W	55	54
1 22	10 44.06	+12 8.4	1.947	2.797	12.2	19.6	143 W	57	52
1 27	10 41.15	+13 4.5	1.914	2.805	10.4	19.5	149 W	58	51
2 1	10 37.68	+14 3.9	1.888	2.812	8.5	19.4	155 W	59	50
2 6	10 33.71	+15 5.6	1.868	2.819	6.5	19.3	161 W	60	49
2 11	10 29.33	+16 8.5	1.856	2.826	4.6	19.2	167 W	61	48
2 16	10 24.65	+17 11.3	1.852	2.832	2.9	19.1	172 W	62	47
2 21	10 19.80	+18 12.6	1.855	2.839	2.6	19.1	173 W	63	46
2 26	10 14.90	+19 11.3	1.867	2.845	3.8	19.2	169 E	64	45
3 2	10 10.11	+20 6.3	1.886	2.851	5.6	19.3	164 E	65	44
3 7	10 5.55	+20 56.7	1.913	2.856	7.6	19.4	158 E	66	43
3 12	10 1.34	+21 41.8	1.947	2.861	9.4	19.6	152 E	67	42
3 22	9 54.34	+22 55.1	2.033	2.871	12.8	19.8	140 E	68	41
4 1	9 49.68	+23 45.6	2.141	2.880	15.6	20.0	129 E	69	40
4 11	9 47.61	+24 14.9	2.265	2.888	17.6	20.2	119 E	69	40
4 21	9 48.07	+24 25.7	2.399	2.895	19.1	20.4	110 E	69	40
5 1	9 50.88	+24 21.0	2.541	2.901	20.0	20.5	101 E	69*	40
5 11	9 55.76	+24 3.2	2.685	2.905	20.3	20.7	92 E	65*	40
5 21	10 2.40	+23 34.6	2.829	2.909	20.3	20.8	84 E	58*	40
5 31	10 10.53	+22 56.7	2.969	2.912	19.8	20.9	77 E	51*	41*
6 10	10 19.89	+22 11.1	3.104	2.914	19.1	21.0	70 E	44*	41*
6 20	10 30.26	+21 18.8	3.231	2.914	18.1	21.0	63 E	38*	40*
6 30	10 41.47	+20 20.7	3.349	2.914	16.9	21.0	57 E	32*	38*
7 10	10 53.36	+19 17.9	3.456	2.913	15.6	21.1	50 E	27*	35*
7 20	11 5.81	+18 11.0	3.552	2.910	14.1	21.1	44 E	23*	31*
7 30	11 18.73	+17 0.8	3.635	2.907	12.5	21.1	38 E	20*	27*
8 9	11 32.05	+15 48.2	3.704	2.903	10.9	21.0	33 E	17*	22*
8 19	11 45.69	+14 33.6	3.760	2.897	9.2	21.0	27 E	14*	17*
8 29	11 59.63	+13 18.1	3.801	2.891	7.6	20.9	22 E	12*	12*
9 8	12 13.82	+12 2.3	3.826	2.883	6.1	20.9	18 E	10*	6*
9 18	12 28.22	+10 47.0	3.837	2.875	5.0	20.8	14 E	8*	—
9 28	12 42.83	+ 9 33.1	3.833	2.865	4.5	20.8	13 E	6*	—
10 8	12 57.59	+ 8 21.5	3.813	2.855	4.9	20.8	14 E	5*	—
10 18	13 12.51	+ 7 13.1	3.778	2.843	6.0	20.8	17 W	9*	—
10 28	13 27.54	+ 6 8.9	3.728	2.831	7.5	20.9	22 W	15*	—
11 7	13 42.66	+ 5 9.9	3.664	2.817	9.2	20.9	27 W	21*	—
11 17	13 57.82	+ 4 17.1	3.586	2.803	10.9	20.9	32 W	26*	4*
11 27	14 12.98	+ 3 31.7	3.496	2.787	12.6	20.9	38 W	32*	9*
12 7	14 28.06	+ 2 54.8	3.394	2.771	14.3	20.9	44 W	36*	14*
12 17	14 43.00	+ 2 27.5	3.280	2.753	15.9	20.8	50 W	40*	21*
12 27	14 57.70	+ 2 11.0	3.157	2.735	17.4	20.8	56 W	43*	27*
1 6	15 12.03	+ 2 6.3	3.027	2.716	18.7	20.7	62 W	45*	34*
1 16	15 25.88	+ 2 14.5	2.889	2.695	19.9	20.7	69 W	46*	41*
440289 2004 RY_{217}									
12 23	10 48.29	+44 42.6	0.774	1.520	34.4	18.7	119 W	90	19*
12 28	10 50.22	+44 17.3	0.752	1.527	32.8	18.6	123 W	89	20
1 2	10 50.17	+43 51.2	0.732	1.535	31.0	18.5	126 W	89	20
1 7	10 48.12	+43 22.6	0.713	1.545	28.9	18.4	131 W	88	21
1 12	10 44.09	+42 49.8	0.697	1.555	26.7	18.3	135 W	88	21

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
440289 2004 RY_{217}									*(continuation)*
	h m	° ′			°	m	°	°	°
1 17	10 38.19	+42 10.6	0.684	1.567	24.2	18.2	139 W	87	22
1 22	10 30.60	+41 22.6	0.674	1.579	21.5	18.1	144 W	86	23
1 27	10 21.64	+40 23.5	0.668	1.593	18.9	18.0	148 W	85	24
2 1	10 11.78	+39 11.8	0.667	1.607	16.4	17.9	153 W	84	25
2 6	10 1.54	+37 46.9	0.671	1.622	14.4	17.9	156 W	83	26
2 11	9 51.44	+36 9.8	0.681	1.638	13.1	17.9	158 W	81	28
2 16	9 41.94	+34 22.4	0.696	1.654	12.9	18.0	158 E	79	30
2 21	9 33.44	+32 27.6	0.717	1.671	13.6	18.1	157 E	77	32
2 26	9 26.18	+30 28.4	0.744	1.689	15.2	18.2	154 E	75	34
3 2	9 20.34	+28 28.1	0.777	1.707	17.1	18.4	150 E	73	36
3 7	9 15.95	+26 29.1	0.815	1.726	19.1	18.6	145 E	71	38
3 12	9 12.96	+24 33.6	0.858	1.745	21.0	18.8	141 E	70	39
3 17	9 11.27	+22 42.7	0.905	1.765	22.8	19.0	137 E	68	41
3 22	9 10.79	+20 57.1	0.957	1.785	24.4	19.2	132 E	66	43
3 27	9 11.38	+19 17.1	1.012	1.806	25.8	19.4	128 E	64	45
4 1	9 12.95	+17 42.5	1.071	1.826	27.0	19.6	124 E	63	46
4 11	9 18.49	+14 48.0	1.197	1.869	28.8	19.9	116 E	60	49
4 21	9 26.56	+12 10.0	1.332	1.912	29.8	20.2	109 E	57	52
5 1	9 36.56	+ 9 44.4	1.474	1.956	30.2	20.5	102 E	54*	54
5 11	9 47.98	+ 7 27.7	1.622	2.000	30.1	20.8	96 E	49*	57
5 21	10 0.44	+ 5 17.2	1.773	2.045	29.7	21.0	90 E	43*	59
5 31	10 13.71	+ 3 10.7	1.927	2.089	28.9	21.2	85 E	36*	61*
6 10	10 27.56	+ 1 6.7	2.081	2.134	27.8	21.4	79 E	30*	62*
297535 2001 HN_{55}									
12 23	10 48.77	+18 5.4	1.791	2.362	22.4	21.2	114 W	63	46*
1 2	10 53.29	+18 42.4	1.656	2.338	20.7	21.0	123 W	64	45
1 12	10 55.00	+19 40.0	1.533	2.313	18.3	20.7	132 W	65	44
1 22	10 53.52	+20 57.2	1.426	2.287	15.2	20.4	143 W	66	43
1 27	10 51.50	+21 41.9	1.380	2.274	13.4	20.3	148 W	67	42
2 1	10 48.63	+22 29.6	1.340	2.261	11.5	20.1	153 W	67	42
2 6	10 44.96	+23 19.0	1.305	2.248	9.6	20.0	158 W	68	41
2 11	10 40.56	+24 8.5	1.276	2.235	7.9	19.8	162 W	69	40
2 16	10 35.55	+24 56.5	1.254	2.221	6.9	19.7	164 W	70	39
2 21	10 30.06	+25 41.4	1.238	2.208	6.8	19.7	165 W	71	38
2 26	10 24.30	+26 21.5	1.229	2.194	7.7	19.7	163 E	71	38
3 2	10 18.47	+26 55.4	1.227	2.180	9.5	19.8	159 E	72	37
3 7	10 12.82	+27 22.0	1.230	2.166	11.6	19.8	154 E	72	37
3 12	10 7.54	+27 40.7	1.240	2.152	13.8	19.9	149 E	73	36
3 17	10 2.82	+27 51.4	1.255	2.138	16.0	20.0	144 E	73	36
3 22	9 58.81	+27 54.1	1.274	2.124	18.2	20.1	138 E	73	36
3 27	9 55.64	+27 49.1	1.298	2.110	20.2	20.2	133 E	73	36
4 1	9 53.39	+27 36.9	1.326	2.096	22.0	20.3	128 E	73	36
4 11	9 51.74	+26 53.9	1.390	2.068	25.1	20.4	119 E	72	37
4 21	9 53.77	+25 50.1	1.462	2.039	27.6	20.6	110 E	71	38
5 1	9 59.16	+24 29.2	1.539	2.011	29.3	20.7	102 E	69*	40
5 11	10 7.44	+22 54.3	1.618	1.983	30.5	20.8	95 E	65*	41
5 21	10 18.11	+21 7.3	1.697	1.955	31.2	20.9	89 E	58*	43
5 31	10 30.78	+19 9.5	1.774	1.927	31.5	21.0	83 E	51*	45
6 10	10 45.07	+17 1.8	1.849	1.900	31.4	21.1	77 E	45*	47*
6 20	11 0.70	+14 45.1	1.920	1.874	31.0	21.1	72 E	38*	48*
6 30	11 17.48	+12 20.0	1.988	1.849	30.5	21.1	67 E	33*	49*
7 10	11 35.22	+ 9 47.7	2.051	1.824	29.7	21.2	63 E	28*	49*
7 20	11 53.83	+ 7 8.9	2.111	1.801	28.7	21.2	58 E	24*	47*
7 30	12 13.25	+ 4 24.9	2.166	1.779	27.7	21.2	54 E	20*	45*
8 9	12 33.45	+ 1 37.0	2.217	1.758	26.5	21.2	51 E	17*	43*
8 19	12 54.42	− 1 13.3	2.265	1.739	25.2	21.1	47 E	15*	40*
8 29	13 16.20	− 4 4.3	2.310	1.722	23.8	21.1	43 E	13*	37*
9 8	13 38.80	− 6 54.0	2.352	1.707	22.3	21.1	40 E	11*	34*
9 18	14 2.28	− 9 40.3	2.391	1.694	20.7	21.1	37 E	10*	30*
9 28	14 26.69	−12 20.9	2.427	1.683	19.1	21.0	33 E	8*	27*
10 8	14 52.05	−14 53.2	2.462	1.675	17.4	21.0	30 E	7*	24*
10 18	15 18.39	−17 14.7	2.495	1.669	15.7	21.0	27 E	6*	21*
10 28	15 45.70	−19 22.8	2.525	1.665	13.9	20.9	24 E	5*	17*
11 7	16 13.93	−21 14.8	2.554	1.664	12.1	20.9	21 E	4*	14*
11 17	16 42.98	−22 48.4	2.582	1.666	10.3	20.8	18 E	2*	11*
11 27	17 12.71	−24 1.7	2.608	1.670	8.4	20.8	14 E	1*	8*
12 7	17 42.90	−24 53.1	2.632	1.676	6.5	20.7	11 E	—	5*
12 17	18 13.35	−25 21.8	2.654	1.685	4.7	20.7	8 E	—	2*
12 27	18 43.78	−25 27.7	2.674	1.696	2.9	20.6	5 E	—	—
1 6	19 13.93	−25 11.5	2.691	1.710	1.7	20.5	3 E	—	—
1 16	19 43.58	−24 34.6	2.705	1.725	2.3	20.6	4 W	—	—
149639 2004 FU_2									
12 23	10 48.87	+ 4 56.3	1.212	1.791	31.3	19.6	109 W	50	59*
1 2	10 54.99	+ 4 32.1	1.146	1.822	28.6	19.5	117 W	50	59
1 12	10 57.40	+ 4 33.9	1.087	1.854	25.0	19.3	127 W	50	59
1 22	10 55.88	+ 5 3.7	1.038	1.887	20.5	19.1	138 W	50	59
2 1	10 50.54	+ 6 0.7	1.005	1.920	15.1	18.9	150 W	51	58

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
149639 2004 FU_2									*(continuation)*
	h m	° ′			°	m	°	°	°
2 6	10 46.65	+ 6 37.7	0.995	1.937	12.0	18.8	156 W	52	57
2 11	10 42.12	+ 7 19.0	0.991	1.954	8.9	18.6	162 W	52	57
2 16	10 37.14	+ 8 3.1	0.993	1.971	5.7	18.5	169 W	53	56
2 21	10 31.91	+ 8 48.5	1.001	1.988	2.4	18.4	175 W	54	55
2 26	10 26.65	+ 9 33.4	1.016	2.005	0.8	18.3	178 E	55	54
3 2	10 21.60	+10 16.4	1.036	2.022	4.0	18.6	172 E	55	54
3 7	10 16.95	+10 56.0	1.064	2.040	7.0	18.8	166 E	56	53
3 12	10 12.87	+11 31.3	1.097	2.057	9.8	19.0	159 E	57	52
3 17	10 9.47	+12 1.5	1.135	2.074	12.4	19.2	153 E	57	52
3 22	10 6.84	+12 26.4	1.179	2.091	14.7	19.4	148 E	57	52
4 1	10 4.06	+12 59.2	1.281	2.124	18.7	19.7	137 E	58	51
4 11	10 4.55	+13 10.5	1.398	2.158	21.7	20.1	127 E	58	51
4 21	10 7.97	+13 2.7	1.528	2.191	23.8	20.3	118 E	58	51
5 1	10 13.89	+12 38.4	1.666	2.223	25.2	20.6	110 E	58	51
5 11	10 21.85	+12 0.0	1.811	2.255	25.9	20.8	102 E	56*	52
5 21	10 31.43	+11 9.8	1.960	2.286	26.2	21.0	95 E	51*	53
5 31	10 42.30	+10 9.7	2.110	2.317	25.9	21.2	89 E	46*	54
6 10	10 54.15	+ 9 1.2	2.261	2.347	25.4	21.4	82 E	40*	55*
351621 2005 WA_{174}									
12 23	10 48.92	+ 9 20.2	1.864	2.393	22.6	21.4	110 W	54	55*
1 2	10 50.55	+ 9 34.1	1.772	2.423	20.5	21.3	120 W	55	54
1 12	10 49.20	+10 7.3	1.691	2.452	17.6	21.1	131 W	55	54
1 22	10 44.83	+10 59.0	1.626	2.480	14.0	20.9	143 W	56	53
2 1	10 37.67	+12 5.9	1.581	2.508	9.7	20.7	155 W	57	52
2 11	10 28.39	+13 21.6	1.563	2.534	5.0	20.5	167 W	58	51
2 21	10 17.99	+14 37.7	1.573	2.560	1.5	20.3	176 W	60	49
2 26	10 12.76	+15 13.3	1.589	2.573	3.0	20.5	172 E	60	49
3 2	10 7.72	+15 45.9	1.612	2.585	5.3	20.6	166 E	61	48
3 7	10 3.03	+16 15.0	1.642	2.597	7.5	20.8	160 E	61	48
3 12	9 58.79	+16 39.9	1.679	2.609	9.6	20.9	154 E	62	47
3 17	9 55.11	+17 0.5	1.722	2.621	11.5	21.1	148 E	62	47
3 22	9 52.06	+17 16.6	1.771	2.632	13.3	21.2	143 E	62	47
3 27	9 49.68	+17 28.3	1.824	2.644	14.9	21.3	137 E	62	47
4 1	9 48.00	+17 35.6	1.883	2.655	16.3	21.5	132 E	63	46
183548 2003 HU_{42}									
12 23	10 49.20	− 8 39.6	1.110	1.641	35.7	20.2	103 W	36	73*
12 28	10 51.86	− 9 20.5	1.084	1.664	34.4	20.1	107 W	36	73
1 2	10 53.54	− 9 54.5	1.059	1.686	32.9	20.0	111 W	35	74
1 7	10 54.19	−10 20.6	1.034	1.709	31.2	20.0	116 W	35	74
1 12	10 53.78	−10 38.2	1.011	1.732	29.3	19.9	121 W	34	75
1 17	10 52.30	−10 46.4	0.989	1.754	27.1	19.8	126 W	34	75
1 22	10 49.74	−10 44.3	0.970	1.777	24.8	19.7	131 W	34	75
2 1	10 41.68	−10 6.8	0.941	1.821	19.5	19.6	142 W	35	74
2 11	10 30.61	− 8 44.6	0.930	1.864	13.8	19.4	153 W	36	73
2 21	10 18.14	− 6 44.4	0.940	1.906	9.1	19.3	162 W	38	71
2 26	10 12.01	− 5 34.3	0.955	1.927	7.9	19.3	164 E	39	70
3 2	10 6.26	− 4 20.8	0.976	1.947	8.2	19.4	164 E	41	68
3 7	10 1.11	− 3 6.3	1.003	1.967	9.6	19.5	161 E	42	67
3 12	9 56.71	− 1 52.9	1.036	1.987	11.6	19.7	156 E	43	66
3 17	9 53.14	− 0 42.6	1.075	2.006	13.8	19.9	151 E	44	65
3 22	9 50.48	+ 0 23.2	1.120	2.025	15.9	20.0	146 E	45	64
3 27	9 48.76	+ 1 23.4	1.169	2.043	17.9	20.2	141 E	46	63
4 1	9 47.95	+ 2 17.4	1.223	2.062	19.7	20.4	136 E	47	62
4 11	9 48.91	+ 3 45.3	1.342	2.097	22.6	20.7	126 E	49	60
4 21	9 52.91	+ 4 47.1	1.473	2.131	24.8	21.0	117 E	50	59
5 1	9 59.44	+ 5 24.7	1.613	2.164	26.1	21.3	109 E	50*	59
5 11	10 7.99	+ 5 40.9	1.759	2.194	26.8	21.5	101 E	49*	58
34759 2001 QL_{151}									
12 23	10 49.31	+67 11.0	0.895	1.616	32.3	16.0	119 W	68	—
12 28	10 44.48	+67 21.3	0.886	1.628	31.2	15.9	121 W	68	—
1 2	10 36.13	+67 25.8	0.879	1.641	30.0	15.9	123 W	68	—
1 7	10 24.51	+67 20.6	0.875	1.656	28.7	15.9	126 W	68	—
1 12	10 10.17	+67 1.5	0.872	1.671	27.5	15.8	128 W	68	—
1 14	10 3.85	+66 49.1	0.872	1.677	27.0	15.8	129 W	68	—
1 16	9 57.31	+66 33.6	0.872	1.683	26.5	15.8	130 W	68	—
1 18	9 50.59	+66 14.9	0.873	1.690	26.1	15.8	131 W	69	—
1 20	9 43.79	+65 52.8	0.875	1.697	25.7	15.8	132 W	69	—
1 22	9 36.98	+65 27.2	0.877	1.703	25.2	15.8	132 W	70	—
1 24	9 30.23	+64 58.0	0.880	1.710	24.9	15.8	133 W	70	—
1 26	9 23.62	+64 25.4	0.883	1.718	24.5	15.8	134 W	71	—
1 28	9 17.20	+63 49.2	0.887	1.725	24.2	15.9	134 W	71	—
1 30	9 11.04	+63 9.8	0.892	1.732	23.9	15.9	135 W	72	1
2 1	9 5.18	+62 27.1	0.898	1.739	23.7	15.9	135 W	73	2
2 3	8 59.65	+61 41.5	0.904	1.747	23.5	15.9	135 E	73	2

34759 2001 QL_{151} *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	8 54.49	+60 53.1	0.911	1.755	23.3	15.9	135 E	74	3
2 7	8 49.70	+60 2.2	0.919	1.762	23.2	15.9	135 E	75	4
2 9	8 45.31	+59 9.1	0.928	1.770	23.1	16.0	135 E	76	5
2 11	8 41.30	+58 14.0	0.938	1.778	23.1	16.0	135 E	77	6
2 16	8 32.95	+55 49.5	0.966	1.798	23.3	16.1	134 E	79	8
2 21	8 26.86	+53 18.4	0.999	1.819	23.6	16.2	132 E	82	11
2 26	8 22.81	+50 44.5	1.037	1.840	24.2	16.3	130 E	84	13
3 2	8 20.54	+48 10.8	1.080	1.862	24.8	16.5	128 E	87	16
3 7	8 19.79	+45 39.7	1.128	1.884	25.5	16.6	125 E	89	18
3 12	8 20.31	+43 13.1	1.181	1.907	26.1	16.8	122 E	88	21
3 17	8 21.90	+40 51.8	1.238	1.930	26.8	16.9	119 E	86	23
3 22	8 24.38	+38 36.6	1.299	1.953	27.3	17.0	116 E	84	25
3 27	8 27.61	+36 27.6	1.363	1.976	27.8	17.2	113 E	81	28
4 1	8 31.46	+34 24.8	1.431	2.000	28.1	17.3	109 E	79	30
4 6	8 35.84	+32 28.0	1.502	2.024	28.4	17.5	106 E	77	32
4 11	8 40.65	+30 36.9	1.575	2.048	28.5	17.6	103 E	76	33
4 21	8 51.28	+27 10.1	1.727	2.096	28.4	17.8	97 E	71*	37
5 1	9 2.94	+24 0.5	1.887	2.145	28.0	18.1	90 E	65*	40
5 11	9 15.30	+21 5.0	2.050	2.194	27.3	18.3	84 E	57*	43
5 21	9 28.14	+18 20.5	2.215	2.243	26.2	18.5	78 E	49*	46*
5 31	9 41.31	+15 44.5	2.381	2.293	25.0	18.6	73 E	41*	47*
6 10	9 54.68	+13 15.2	2.545	2.341	23.5	18.8	67 E	33*	48*
6 20	10 8.17	+10 51.0	2.705	2.390	21.9	18.9	61 E	27*	47*
6 30	10 21.74	+ 8 30.6	2.861	2.439	20.2	19.0	56 E	20*	45*
7 10	10 35.34	+ 6 13.4	3.011	2.486	18.3	19.1	50 E	15*	42*
7 20	10 48.93	+ 3 58.6	3.153	2.534	16.4	19.2	45 E	10*	38*
7 30	11 2.51	+ 1 45.8	3.286	2.581	14.4	19.3	39 E	6*	33*
8 9	11 16.05	− 0 25.4	3.409	2.627	12.4	19.3	34 E	3*	28*
8 19	11 29.55	− 2 35.2	3.520	2.673	10.3	19.3	28 E	—	22*
8 29	11 42.99	− 4 43.7	3.619	2.717	8.3	19.3	23 E	—	16*
9 8	11 56.36	− 6 50.9	3.705	2.762	6.3	19.3	18 E	—	11*
9 18	12 9.65	− 8 56.9	3.776	2.805	4.5	19.3	13 E	—	5*
9 28	12 22.85	−11 1.6	3.833	2.848	3.2	19.3	9 E	—	—
10 8	12 35.93	−13 5.0	3.873	2.889	3.0	19.3	9 W	—	1*
10 18	12 48.86	−15 7.1	3.898	2.930	4.0	19.5	12 W	—	6*
10 28	13 1.61	−17 7.7	3.907	2.971	5.6	19.6	17 W	2*	11*
11 7	13 14.12	−19 6.7	3.899	3.010	7.3	19.7	23 W	7*	16*
11 17	13 26.32	−21 4.3	3.875	3.048	9.1	19.8	29 W	11*	21*
11 27	13 38.14	−23 0.4	3.835	3.086	10.7	19.8	36 W	14*	27*
12 7	13 49.47	−24 54.9	3.780	3.123	12.3	19.9	42 W	15*	34*
12 17	14 0.18	−26 48.0	3.710	3.159	13.7	19.9	49 W	16*	41*
12 27	14 10.11	−28 39.7	3.628	3.193	14.9	19.9	57 W	16*	49*
1 6	14 19.08	−30 30.1	3.535	3.228	15.9	20.0	64 W	14*	57*
1 16	14 26.87	−32 19.1	3.433	3.261	16.6	19.9	72 W	13	66*

13153 1995 QC_3

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 49.32	+ 9 4.5	2.829	3.302	16.2	21.1	110 W	54	55*
1 2	10 49.00	+ 9 1.3	2.689	3.299	14.9	21.0	121 W	54	55
1 12	10 46.48	+ 9 10.3	2.563	3.296	12.9	20.8	131 W	54	55
1 22	10 41.76	+ 9 31.2	2.455	3.292	10.4	20.6	143 W	55	54
2 1	10 34.98	+10 2.6	2.370	3.287	7.4	20.4	155 W	55	54
2 11	10 26.56	+10 41.5	2.312	3.281	3.9	20.2	167 W	56	53
2 21	10 17.13	+11 23.9	2.286	3.274	0.3	19.8	179 W	56	53
3 2	10 7.53	+12 5.3	2.290	3.266	3.6	20.1	168 E	57	52
3 12	9 58.62	+12 41.2	2.326	3.257	7.2	20.3	156 E	58	51
3 22	9 51.13	+13 8.7	2.388	3.247	10.4	20.5	144 E	58	51
4 1	9 45.60	+13 25.9	2.475	3.236	13.1	20.7	133 E	58	51
4 11	9 42.29	+13 32.3	2.579	3.224	15.3	20.8	122 E	59	50
4 21	9 41.24	+13 28.0	2.696	3.211	16.9	21.0	112 E	58	51
5 1	9 42.36	+13 13.7	2.822	3.197	17.9	21.1	103 E	58*	51
5 11	9 45.46	+12 50.1	2.952	3.182	18.5	21.2	94 E	54*	51
5 21	9 50.28	+12 18.0	3.082	3.166	18.6	21.3	85 E	47*	52
5 31	9 56.61	+11 37.9	3.209	3.149	18.3	21.4	78 E	40*	52*
6 10	10 4.22	+10 50.6	3.330	3.131	17.7	21.4	70 E	33*	51*
6 20	10 12.91	+ 9 56.6	3.444	3.112	16.9	21.4	63 E	27*	49*
6 30	10 22.53	+ 8 56.4	3.547	3.092	15.8	21.5	56 E	21*	45*
7 10	10 32.91	+ 7 50.3	3.640	3.071	14.5	21.5	49 E	16*	41*
7 20	10 43.94	+ 6 38.9	3.720	3.049	13.0	21.4	42 E	11*	35*
7 30	10 55.54	+ 5 22.6	3.787	3.026	11.4	21.4	36 E	7*	30*
8 9	11 7.61	+ 4 1.8	3.839	3.002	9.7	21.3	30 E	4*	24*
8 19	11 20.10	+ 2 36.9	3.876	2.977	7.8	21.3	24 E	1*	18*
8 29	11 32.96	+ 1 8.5	3.898	2.951	5.9	21.2	18 E	—	12*
9 8	11 46.15	− 0 23.0	3.904	2.924	4.0	21.1	12 E	—	6*
9 18	11 59.64	− 1 57.2	3.894	2.896	2.0	20.9	6 E	—	—
9 28	12 13.40	− 3 33.5	3.868	2.867	0.7	20.7	2 W	—	—
10 8	12 27.41	− 5 11.3	3.826	2.837	2.4	20.8	7 W	—	—
10 18	12 41.66	− 6 50.2	3.769	2.806	4.5	20.9	13 W	5*	4*
10 28	12 56.13	− 8 29.6	3.697	2.774	6.6	21.0	19 W	10*	8*
11 7	13 10.80	−10 8.9	3.610	2.741	8.7	21.0	25 W	14*	13*
11 17	13 25.66	−11 47.6	3.510	2.707	10.8	21.0	31 W	18*	18*
11 27	13 40.66	−13 25.0	3.396	2.672	12.8	20.9	37 W	22*	23*

13153 1995 QC_3 *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 7	13 55.77	−15 0.7	3.271	2.637	14.7	20.9	43 W	24*	29*
12 17	14 10.97	−16 34.0	3.135	2.600	16.6	20.8	49 W	25*	36*
12 27	14 26.16	−18 4.5	2.990	2.563	18.4	20.8	55 W	25*	43*
1 6	14 41.28	−19 31.7	2.838	2.525	20.1	20.7	62 W	25*	50*
1 16	14 56.24	−20 55.4	2.679	2.486	21.5	20.6	68 W	24*	58*

434188 2003 AD_{23}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 50.23	+23 39.0	1.072	1.733	31.0	21.5	115 W	69	40*
12 28	10 45.73	+25 38.9	1.061	1.781	28.2	21.4	121 W	71	38
1 2	10 39.67	+27 44.3	1.052	1.827	25.2	21.4	128 W	73	36
1 7	10 32.03	+29 52.3	1.049	1.872	22.1	21.3	134 W	75	34
1 12	10 22.86	+31 59.2	1.052	1.916	19.0	21.3	141 W	77	32
1 17	10 12.28	+34 0.9	1.061	1.958	16.1	21.3	146 W	79	30
1 22	10 0.53	+35 53.2	1.078	1.999	13.5	21.2	152 W	81	28
1 27	9 47.95	+37 32.2	1.102	2.039	11.7	21.3	155 W	83	26
2 1	9 34.99	+38 55.1	1.135	2.077	10.8	21.3	157 W	84	25
2 6	9 22.14	+40 0.5	1.176	2.115	11.0	21.5	156 W	85	24
2 11	9 9.86	+40 48.4	1.225	2.151	12.0	21.6	153 E	86	23
2 16	8 58.52	+41 19.9	1.281	2.186	13.5	21.8	149 E	86	23
2 21	8 48.42	+41 37.1	1.343	2.221	15.2	22.0	144 E	87	22
2 26	8 39.74	+41 42.0	1.412	2.254	16.8	22.2	139 E	87	22
3 2	8 32.56	+41 37.2	1.485	2.286	18.2	22.4	134 E	87	22

89776 2002 AL_{90}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 50.85	− 0 48.8	1.217	1.763	32.4	17.6	106 W	44	65*
12 28	10 55.74	− 0 22.4	1.180	1.778	31.3	17.5	110 W	45	64
1 2	10 59.86	+ 0 13.3	1.145	1.793	29.9	17.5	115 W	45	64
1 7	11 3.14	+ 0 58.8	1.112	1.808	28.3	17.4	119 W	46	63
1 12	11 5.57	+ 1 54.7	1.080	1.824	26.5	17.3	124 W	47	62
1 22	11 7.65	+ 4 18.2	1.026	1.856	22.1	17.1	135 W	49	60
2 1	11 6.01	+ 7 21.3	0.988	1.890	16.7	16.8	147 W	52	57
2 11	11 1.02	+10 52.4	0.971	1.925	10.7	16.6	159 W	56	53
2 16	10 57.54	+12 42.5	0.972	1.942	7.7	16.5	165 W	58	51
2 21	10 53.62	+14 31.8	0.979	1.960	5.2	16.4	170 W	60	49
2 26	10 49.44	+16 17.1	0.993	1.978	4.1	16.4	172 W	61	48
3 2	10 45.23	+17 55.7	1.014	1.996	5.4	16.6	169 E	63	46
3 7	10 41.20	+19 25.3	1.041	2.014	7.7	16.8	164 E	64	45
3 12	10 37.53	+20 44.5	1.075	2.033	10.3	17.0	159 E	66	43
3 17	10 34.36	+21 52.2	1.115	2.051	12.8	17.1	153 E	67	42
3 22	10 31.82	+22 48.4	1.160	2.069	15.1	17.3	147 E	68	41
4 1	10 28.93	+24 7.1	1.264	2.106	19.0	17.7	137 E	69	40
4 11	10 29.13	+24 45.9	1.384	2.143	21.9	18.0	127 E	70	39
4 21	10 32.21	+24 52.0	1.516	2.180	23.9	18.3	118 E	70	39
4 26	10 34.72	+24 45.0	1.586	2.199	24.7	18.5	114 E	70	39
5 1	10 37.82	+24 32.2	1.657	2.217	25.2	18.6	110 E	70	39
5 6	10 41.45	+24 14.4	1.730	2.235	25.7	18.7	106 E	69	40
5 11	10 45.54	+23 52.2	1.804	2.253	25.9	18.8	103 E	68*	40
5 16	10 50.05	+23 26.2	1.879	2.271	26.1	18.9	99 E	67*	41
5 21	10 54.93	+22 56.6	1.954	2.289	26.1	19.0	96 E	64*	41
5 31	11 5.64	+21 48.8	2.107	2.325	25.8	19.2	89 E	59*	42
6 10	11 17.38	+20 31.6	2.259	2.360	25.3	19.4	83 E	52*	43
6 20	11 29.89	+19 7.1	2.409	2.395	24.4	19.5	77 E	46*	45*
6 30	11 43.03	+17 37.1	2.557	2.429	23.3	19.7	71 E	41*	46*
7 10	11 56.64	+16 3.2	2.701	2.462	22.1	19.8	66 E	36*	45*
7 20	12 10.63	+14 26.7	2.840	2.495	20.7	19.9	60 E	32*	44*
7 30	12 24.92	+12 48.6	2.972	2.527	19.2	20.0	55 E	28*	41*
8 9	12 39.45	+11 10.2	3.097	2.558	17.5	20.0	50 E	25*	37*
8 19	12 54.19	+ 9 32.2	3.214	2.589	15.9	20.1	44 E	23*	33*
8 29	13 9.12	+ 7 55.6	3.322	2.618	14.1	20.1	39 E	21*	29*
9 8	13 24.19	+ 6 21.4	3.419	2.647	12.3	20.1	34 E	19*	24*
9 18	13 39.41	+ 4 50.3	3.506	2.675	10.6	20.1	29 E	17*	19*
9 28	13 54.74	+ 3 23.1	3.580	2.702	8.9	20.1	25 E	15*	13*
10 8	14 10.17	+ 2 0.6	3.643	2.728	7.3	20.1	20 E	13*	7*
10 18	14 25.67	+ 0 43.6	3.692	2.754	6.0	20.1	17 E	11*	1*
10 28	14 41.21	− 0 27.2	3.727	2.778	5.3	20.1	15 E	8*	—
11 7	14 56.75	− 1 31.0	3.748	2.802	5.2	20.1	15 E	6*	—
11 17	15 12.25	− 2 27.3	3.754	2.824	5.9	20.2	17 W	9*	—
11 27	15 27.64	− 3 15.4	3.746	2.846	7.1	20.3	21 W	14*	—
12 7	15 42.86	− 3 54.7	3.723	2.866	8.5	20.3	26 W	20*	1*
12 17	15 57.84	− 4 24.9	3.686	2.886	10.1	20.4	31 W	24*	7*
12 27	16 12.47	− 4 45.5	3.634	2.905	11.7	20.4	37 W	28*	14*
1 6	16 26.65	− 4 56.4	3.569	2.923	13.2	20.5	43 W	31*	21*
1 16	16 40.26	− 4 57.3	3.491	2.940	14.6	20.5	49 W	34*	29*

6874 1994 JO_1

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 51.03	+16 8.6	2.299	2.824	18.8	18.8	112 W	61	48*
1 2	10 52.54	+16 40.4	2.163	2.813	17.2	18.6	122 W	62	47
1 12	10 51.48	+17 28.4	2.040	2.802	14.9	18.4	133 W	62	47
1 22	10 47.68	+18 30.9	1.936	2.790	12.1	18.2	144 W	64	45
2 1	10 41.19	+19 44.1	1.853	2.777	8.7	18.0	155 W	65	44

6874 1994 JO_1 *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 6	10 37.04	+20 22.7	1.822	2.770	7.0	17.8	160 W	65	44
2 11	10 32.41	+21 1.2	1.798	2.762	5.4	17.7	165 W	66	43
2 16	10 27.38	+21 38.7	1.781	2.755	4.2	17.6	168 W	67	42
2 21	10 22.09	+22 14.0	1.771	2.747	4.1	17.6	169 W	67	42
2 26	10 16.68	+22 46.1	1.769	2.739	5.1	17.7	166 E	68	41
3 2	10 11.32	+23 14.3	1.774	2.731	6.7	17.7	161 E	68	41
3 7	10 6.16	+23 37.7	1.786	2.722	8.5	17.8	156 E	69	40
3 12	10 1.33	+23 56.1	1.805	2.714	10.4	17.9	150 E	69	40
3 17	9 56.96	+24 9.3	1.830	2.705	12.2	18.0	145 E	69	40
3 22	9 53.15	+24 17.2	1.860	2.696	13.9	18.1	139 E	69	40
4 1	9 47.50	+24 17.9	1.936	2.676	16.9	18.3	129 E	69	40
4 11	9 44.73	+24 0.5	2.026	2.656	19.3	18.4	119 E	69	40
4 21	9 44.81	+23 28.0	2.128	2.635	21.1	18.6	109 E	68	41
5 1	9 47.56	+22 42.8	2.235	2.613	22.3	18.7	101 E	67*	41
5 11	9 52.66	+21 47.0	2.344	2.591	22.9	18.8	92 E	62*	42
5 21	9 59.79	+20 42.1	2.453	2.567	23.1	18.9	85 E	56*	43
5 31	10 8.64	+19 29.2	2.559	2.542	22.9	19.0	78 E	48*	44*
6 10	10 18.93	+18 8.9	2.660	2.517	22.4	19.0	71 E	41*	45*
6 20	10 30.41	+16 42.0	2.754	2.490	21.6	19.0	64 E	34*	44*
6 30	10 42.91	+15 8.8	2.840	2.463	20.6	19.0	58 E	29*	43*
7 10	10 56.27	+13 29.9	2.917	2.435	19.3	19.0	52 E	24*	40*
7 20	11 10.37	+11 45.6	2.985	2.407	17.9	19.0	47 E	19*	37*
7 30	11 25.13	+ 9 56.4	3.042	2.377	16.4	19.0	41 E	16*	33*
8 9	11 40.48	+ 8 2.8	3.089	2.347	14.7	18.9	36 E	13*	28*
8 19	11 56.39	+ 6 5.3	3.125	2.316	13.0	18.9	31 E	10*	24*
8 29	12 12.84	+ 4 4.5	3.150	2.285	11.1	18.8	26 E	8*	19*
9 8	12 29.82	+ 2 1.1	3.164	2.253	9.2	18.7	21 E	6*	14*
9 18	12 47.34	− 0 4.2	3.167	2.221	7.3	18.6	16 E	4*	9*
9 28	13 5.43	− 2 10.7	3.159	2.188	5.3	18.4	12 E	2*	5*
10 8	13 24.11	− 4 17.5	3.141	2.155	3.5	18.3	7 E	—	—
10 18	13 43.43	− 6 23.5	3.113	2.121	2.0	18.1	4 E	—	—
10 28	14 3.43	− 8 27.7	3.076	2.088	2.3	18.1	5 W	—	—
11 7	14 24.13	−10 28.9	3.029	2.054	4.0	18.1	8 W	2*	—
11 17	14 45.61	−12 25.8	2.974	2.020	6.1	18.2	12 W	6*	—
11 27	15 7.90	−14 17.1	2.911	1.986	8.2	18.2	17 W	9*	4*
12 7	15 31.01	−16 1.1	2.842	1.953	10.4	18.2	21 W	12*	9*
12 17	15 54.99	−17 36.4	2.766	1.920	12.5	18.2	25 W	14*	13*
12 27	16 19.82	−19 1.4	2.686	1.888	14.7	18.1	29 W	15*	18*
1 6	16 45.50	−20 14.4	2.601	1.857	16.8	18.1	33 W	15*	23*
1 16	17 11.97	−21 14.1	2.513	1.826	18.9	18.1	37 W	16*	28*

438071 2004 RW_{123}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 51.36	− 1 48.0	1.303	1.831	31.2	20.1	106 W	43	66*
1 2	10 53.67	− 3 29.2	1.250	1.882	28.4	20.0	114 W	42	67
1 12	10 52.13	− 4 47.7	1.203	1.933	24.9	19.9	124 W	40	69
1 22	10 46.75	− 5 39.1	1.167	1.985	20.7	19.7	134 W	39	70
2 1	10 37.94	− 5 59.5	1.146	2.036	15.9	19.6	145 W	39	70
2 11	10 26.73	− 5 48.4	1.146	2.087	11.0	19.5	156 W	39	70
2 16	10 20.68	− 5 32.0	1.155	2.113	8.9	19.4	161 W	39	70
2 21	10 14.61	− 5 9.5	1.170	2.138	7.4	19.4	164 W	40	69
2 26	10 8.73	− 4 41.9	1.192	2.163	6.8	19.5	165 E	40	69
3 2	10 3.24	− 4 10.7	1.220	2.188	7.5	19.6	163 E	41	68
3 7	9 58.29	− 3 37.4	1.255	2.213	8.9	19.7	160 E	41	68
3 12	9 54.02	− 3 3.1	1.296	2.238	10.7	19.9	155 E	42	67
3 17	9 50.49	− 2 29.2	1.342	2.262	12.5	20.1	151 E	43	66
3 22	9 47.76	− 1 56.6	1.394	2.286	14.3	20.2	146 E	43	66
3 27	9 45.85	− 1 26.1	1.452	2.310	15.9	20.4	140 E	44	65
4 1	9 44.75	− 0 58.4	1.513	2.334	17.4	20.6	136 E	44	65
4 6	9 44.44	− 0 34.0	1.579	2.358	18.7	20.7	131 E	44	65
4 11	9 44.86	− 0 13.1	1.649	2.381	19.9	20.9	126 E	45	64
4 16	9 45.96	+ 0 4.1	1.721	2.404	20.8	21.0	122 E	45	64
4 21	9 47.69	+ 0 17.7	1.797	2.427	21.6	21.1	117 E	45	64
4 26	9 50.00	+ 0 27.6	1.874	2.450	22.2	21.3	113 E	45	64
5 1	9 52.84	+ 0 33.8	1.954	2.472	22.7	21.4	109 E	45*	63

436384 2010 TD_{19}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 52.40	+32 5.2	1.681	2.295	22.6	21.3	116 W	77	32*
12 28	10 54.54	+33 34.5	1.644	2.307	21.5	21.2	121 W	79	30
1 2	10 55.80	+35 9.8	1.609	2.319	20.3	21.2	125 W	80	29
1 7	10 56.13	+36 49.9	1.580	2.331	19.0	21.1	129 W	82	27
1 12	10 55.46	+38 33.5	1.555	2.342	17.8	21.0	133 W	84	25
1 17	10 53.74	+40 18.9	1.536	2.353	16.6	21.0	137 W	85	24
1 22	10 50.93	+42 4.0	1.523	2.364	15.5	20.9	140 W	87	22
1 27	10 47.03	+43 46.4	1.515	2.374	14.6	20.9	143 W	89	20
2 1	10 42.09	+45 23.6	1.515	2.384	14.0	20.9	144 W	90	19
2 6	10 36.22	+46 53.1	1.520	2.394	13.7	20.9	145 W	88	17
2 11	10 29.59	+48 12.8	1.532	2.404	13.9	20.9	144 W	87	16
2 16	10 22.40	+49 21.1	1.550	2.413	14.3	21.0	143 W	86	15
2 21	10 14.91	+50 16.7	1.575	2.422	15.0	21.0	141 W	85	14
2 26	10 7.41	+50 59.1	1.605	2.430	15.9	21.1	138 E	84	13
3 2	10 0.20	+51 28.2	1.640	2.439	16.9	21.2	134 E	84	13

436384 2010 TD_{19} *(continuation)*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 7	9 53.55	+51 44.8	1.680	2.447	17.9	21.3	131 E	83	12
3 12	9 47.68	+51 49.9	1.724	2.454	18.8	21.4	127 E	83	12
3 17	9 42.72	+51 44.7	1.771	2.462	19.8	21.5	123 E	83	12
3 22	9 38.79	+51 30.6	1.823	2.469	20.6	21.6	119 E	83	12

309273 2007 RD_{128}

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 52.57	+ 3 33.3	1.064	1.651	34.6	20.8	107 W	49	60*
1 2	11 1.72	+ 2 47.7	1.010	1.683	31.9	20.6	115 W	48	61
1 12	11 7.03	+ 2 29.4	0.962	1.718	28.3	20.4	124 W	47	62
1 22	11 8.22	+ 2 41.3	0.922	1.755	23.8	20.3	134 W	48	61
2 1	11 5.29	+ 3 23.9	0.895	1.794	18.3	20.1	145 W	48	61
2 6	11 2.45	+ 3 55.6	0.888	1.814	15.2	20.0	151 W	49	60
2 11	10 58.87	+ 4 32.8	0.885	1.835	12.0	19.9	157 W	50	59
2 16	10 54.71	+ 5 14.3	0.887	1.856	8.7	19.8	163 W	50	59
2 21	10 50.15	+ 5 58.6	0.896	1.877	5.3	19.7	170 W	51	58
2 26	10 45.44	+ 6 43.8	0.909	1.898	2.0	19.5	176 W	52	57
3 2	10 40.81	+ 7 28.2	0.929	1.920	1.4	19.6	177 E	52	57
3 7	10 36.46	+ 8 10.1	0.955	1.942	4.6	19.8	171 E	53	56
3 12	10 32.59	+ 8 48.3	0.987	1.964	7.6	20.1	165 E	54	55
3 17	10 29.33	+ 9 21.9	1.025	1.986	10.4	20.3	159 E	54	55
3 22	10 26.76	+ 9 50.1	1.068	2.008	12.9	20.5	153 E	55	54
3 27	10 24.98	+10 12.7	1.115	2.030	15.2	20.7	148 E	55	54
4 1	10 23.99	+10 29.4	1.168	2.053	17.2	20.9	142 E	55	54
4 6	10 23.80	+10 40.5	1.225	2.075	19.0	21.1	137 E	56	53
4 11	10 24.38	+10 46.1	1.285	2.098	20.6	21.3	133 E	56	53
4 16	10 25.66	+10 46.6	1.349	2.120	21.9	21.4	128 E	56	53

96011 2004 PD_6

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 52.95	+ 1 0.2	2.021	2.484	22.3	20.9	106 W	46	63*
1 2	10 54.97	+ 0 53.0	1.922	2.513	20.6	20.7	116 W	46	63
1 12	10 54.28	+ 1 5.7	1.832	2.541	18.2	20.6	126 W	46	63
1 22	10 50.83	+ 1 39.8	1.757	2.569	15.0	20.4	137 W	47	62
2 1	10 44.78	+ 2 35.2	1.700	2.596	11.2	20.2	149 W	48	61
2 11	10 36.67	+ 3 48.8	1.668	2.623	6.8	20.0	162 W	49	60
2 16	10 32.09	+ 4 30.6	1.662	2.635	4.6	19.9	168 W	50	59
2 21	10 27.32	+ 5 14.6	1.663	2.648	2.4	19.8	173 W	50	59
2 26	10 22.52	+ 5 59.7	1.672	2.660	1.5	19.7	176 E	51	58
3 2	10 17.82	+ 6 44.7	1.688	2.673	3.1	19.9	171 E	52	57
3 7	10 13.37	+ 7 28.7	1.712	2.685	5.3	20.0	166 E	52	57
3 12	10 9.27	+ 8 10.6	1.743	2.696	7.4	20.2	160 E	53	56
3 17	10 5.64	+ 8 49.7	1.780	2.708	9.4	20.3	154 E	54	55
3 22	10 2.53	+ 9 25.5	1.824	2.719	11.3	20.5	148 E	54	55
4 1	9 58.15	+10 25.3	1.928	2.741	14.5	20.7	137 E	55	54
4 11	9 56.33	+11 8.2	2.051	2.762	17.1	21.0	126 E	56	53
4 21	9 57.00	+11 34.5	2.188	2.783	18.9	21.2	116 E	57	52
5 1	9 59.95	+11 45.2	2.334	2.802	20.1	21.4	107 E	57*	52

159482 2000 SF_{166}

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 23	10 53.41	− 1 14.7	2.563	2.977	18.6	21.0	105 W	44	65*
1 2	10 54.45	− 1 49.6	2.423	2.974	17.5	20.8	115 W	43	66
1 12	10 53.23	− 2 10.8	2.294	2.970	15.7	20.6	125 W	43	66
1 22	10 49.65	− 2 16.2	2.180	2.965	13.4	20.4	136 W	43	66
2 1	10 43.79	− 2 4.1	2.085	2.959	10.5	20.2	147 W	43	66
2 11	10 36.00	− 1 34.4	2.014	2.952	7.2	20.0	158 W	43	66
2 21	10 26.91	− 0 49.0	1.971	2.945	4.1	19.8	168 W	44	65
3 2	10 17.36	+ 0 8.2	1.957	2.936	3.8	19.7	169 E	45	64
3 7	10 12.73	+ 0 39.5	1.962	2.931	5.1	19.8	165 E	46	63
3 12	10 8.34	+ 1 11.5	1.974	2.926	6.8	19.9	160 E	46	63
3 17	10 4.30	+ 1 43.5	1.993	2.921	8.5	20.0	154 E	47	62
3 22	10 0.70	+ 2 14.7	2.018	2.916	10.2	20.1	149 E	47	62
4 1	9 55.10	+ 3 12.3	2.087	2.904	13.4	20.3	138 E	48	61
4 11	9 51.89	+ 4 0.2	2.176	2.892	16.1	20.5	127 E	49	60
4 21	9 51.14	+ 4 36.2	2.279	2.878	18.1	20.6	117 E	50	59
5 1	9 52.77	+ 4 59.1	2.393	2.864	19.6	20.8	108 E	50*	59
5 11	9 56.56	+ 5 8.9	2.512	2.849	20.5	20.9	99 E	47*	59
5 21	10 2.26	+ 5 6.1	2.634	2.832	20.9	21.0	91 E	43*	59
5 31	10 9.62	+ 4 51.4	2.754	2.815	20.9	21.1	83 E	37*	59*
6 10	10 18.38	+ 4 25.6	2.871	2.797	20.6	21.1	76 E	31*	58*
6 20	10 28.33	+ 3 49.6	2.983	2.779	19.9	21.2	69 E	25*	56*
6 30	10 39.31	+ 3 4.4	3.087	2.759	19.0	21.2	62 E	19*	52*
7 10	10 51.14	+ 2 10.7	3.183	2.738	17.8	21.2	56 E	15*	48*
7 20	11 3.72	+ 1 9.5	3.268	2.716	16.5	21.2	49 E	11*	43*
7 30	11 16.96	+ 0 1.5	3.342	2.694	15.0	21.2	43 E	7*	37*
8 9	11 30.76	− 1 12.5	3.405	2.671	13.3	21.2	37 E	5*	31*
8 19	11 45.09	− 2 31.6	3.455	2.647	11.6	21.1	32 E	2*	26*
8 29	11 59.92	− 3 55.0	3.493	2.622	9.7	21.0	26 E	—	20*
9 8	12 15.19	− 5 22.0	3.517	2.596	7.8	21.0	20 E	—	14*
9 18	12 30.92	− 6 51.7	3.528	2.570	5.8	20.8	15 E	—	9*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		159482 2000 SF_{166}				*(continuation)*			
	h m	° ′			°	m	°	°	°
9 28	12 47.09	− 8 23.2	3.525	2.542	3.8	20.7	10 E	—	3*
10 8	13 3.70	− 9 55.6	3.509	2.514	1.8	20.6	5 E	—	—
10 18	13 20.76	−11 28.0	3.479	2.485	1.3	20.5	3 W	—	—
10 28	13 38.28	−12 59.3	3.437	2.456	3.1	20.5	8 W	—	1*
11 7	13 56.25	−14 28.6	3.382	2.426	5.2	20.6	13 W	4*	4*
11 17	14 14.70	−15 54.8	3.315	2.395	7.4	20.6	18 W	8*	9*
11 27	14 33.62	−17 16.7	3.236	2.364	9.6	20.6	23 W	12*	13*
12 7	14 52.99	−18 33.1	3.146	2.332	11.7	20.6	29 W	15*	18*
12 17	15 12.81	−19 43.0	3.047	2.300	13.9	20.6	34 W	17*	23*
12 27	15 33.04	−20 45.1	2.939	2.267	16.0	20.6	39 W	18*	29*
1 6	15 53.63	−21 38.3	2.822	2.234	18.1	20.5	45 W	19*	35*
1 16	16 14.54	−22 21.5	2.699	2.201	20.0	20.5	50 W	19*	41*
		306461 1999 LY_5							
12 23	10 54.15	−30 25.2	1.438	1.767	33.8	18.2	92 W	15	85*
12 28	11 2.93	−31 48.7	1.388	1.751	34.1	18.1	94 W	13	84
1 2	11 11.53	−33 7.8	1.339	1.737	34.3	18.1	96 W	12	83
1 7	11 19.92	−34 21.8	1.290	1.723	34.5	18.0	98 W	11	82
1 12	11 28.07	−35 29.9	1.242	1.710	34.5	17.9	100 W	10	81
1 17	11 35.94	−36 31.1	1.195	1.698	34.5	17.8	102 W	8	79
1 22	11 43.46	−37 24.3	1.148	1.687	34.4	17.7	104 W	8	79
1 27	11 50.57	−38 8.5	1.102	1.677	34.2	17.6	107 W	7	78
2 1	11 57.22	−38 42.2	1.057	1.669	33.8	17.4	110 W	6	77
2 6	12 3.35	−39 4.2	1.013	1.662	33.3	17.3	112 W	6	77
2 11	12 8.91	−39 12.8	0.970	1.655	32.5	17.2	116 W	6	77
2 16	12 13.84	−39 6.5	0.928	1.650	31.6	17.1	119 W	6	77
2 21	12 18.09	−38 43.3	0.888	1.647	30.4	16.9	123 W	6	77
2 26	12 21.62	−38 1.3	0.850	1.644	28.9	16.8	127 W	7	78
3 2	12 24.45	−36 58.4	0.814	1.643	27.2	16.6	131 W	8	79
3 7	12 26.61	−35 32.9	0.781	1.643	25.1	16.5	135 W	9	80
3 12	12 28.18	−33 43.8	0.752	1.644	22.7	16.3	140 W	11	82
3 17	12 29.23	−31 30.3	0.727	1.647	19.9	16.2	146 W	13	84
3 22	12 29.89	−28 53.0	0.706	1.651	16.9	16.0	151 W	16	87
3 27	12 30.32	−25 54.1	0.692	1.656	13.8	15.9	157 W	19	90
4 1	12 30.68	−22 37.5	0.683	1.662	10.9	15.8	162 E	22	87
4 6	12 31.15	−19 9.1	0.682	1.670	8.7	15.7	165 E	26	83
4 11	12 31.85	−15 35.8	0.687	1.678	8.1	15.7	166 E	29	80
4 16	12 32.89	−12 4.5	0.700	1.688	9.4	15.8	164 E	33	76
4 21	12 34.36	− 8 41.9	0.720	1.699	11.8	16.0	160 E	36	73
4 26	12 36.32	− 5 33.6	0.747	1.711	14.6	16.2	155 E	39	70
5 1	12 38.82	− 2 43.5	0.779	1.724	17.4	16.4	149 E	42	67
5 6	12 41.84	− 0 13.6	0.818	1.738	20.0	16.6	144 E	45	64
5 11	12 45.39	+ 1 55.4	0.862	1.753	22.3	16.8	139 E	47	62
5 16	12 49.41	+ 3 44.1	0.910	1.768	24.3	17.0	134 E	49	60
5 21	12 53.89	+ 5 13.6	0.962	1.785	26.0	17.2	129 E	50	59
5 26	12 58.80	+ 6 25.4	1.017	1.802	27.3	17.3	125 E	51	58
5 31	13 4.10	+ 7 21.3	1.076	1.821	28.4	17.5	121 E	52	57
6 5	13 9.75	+ 8 3.1	1.137	1.840	29.3	17.7	117 E	53*	56
6 10	13 15.71	+ 8 32.5	1.200	1.859	30.0	17.8	114 E	53*	55
6 15	13 21.94	+ 8 51.2	1.265	1.879	30.4	18.0	110 E	53*	55
6 20	13 28.42	+ 9 0.6	1.332	1.900	30.7	18.1	107 E	52*	55
6 25	13 35.12	+ 9 1.9	1.400	1.921	30.9	18.3	104 E	51*	55
6 30	13 42.04	+ 8 56.4	1.470	1.943	30.9	18.4	101 E	50*	55
7 5	13 49.13	+ 8 45.0	1.541	1.966	30.8	18.5	98 E	49*	55
7 10	13 56.38	+ 8 28.8	1.612	1.988	30.6	18.6	96 E	48*	56
7 15	14 3.77	+ 8 8.4	1.684	2.011	30.3	18.8	93 E	46*	56
7 20	14 11.30	+ 7 44.6	1.757	2.035	30.0	18.9	90 E	45*	56
7 25	14 18.96	+ 7 18.0	1.831	2.059	29.5	19.0	88 E	44*	57
7 30	14 26.73	+ 6 49.1	1.904	2.083	29.1	19.1	85 E	43*	57*
8 9	14 42.58	+ 5 46.8	2.053	2.132	28.0	19.2	80 E	41*	57*
8 19	14 58.79	+ 4 41.0	2.201	2.181	26.7	19.4	76 E	39*	56*
8 29	15 15.33	+ 3 34.4	2.348	2.232	25.3	19.6	71 E	37*	54*
9 8	15 32.14	+ 2 29.5	2.494	2.283	23.8	19.7	66 E	36*	51*
9 18	15 49.19	+ 1 28.1	2.638	2.334	22.3	19.8	62 E	35*	47*
9 28	16 6.45	+ 0 31.8	2.778	2.385	20.6	19.9	57 E	34*	43*
10 8	16 23.86	− 0 18.1	2.913	2.437	19.0	20.0	52 E	32*	38*
10 18	16 41.38	− 1 0.4	3.044	2.488	17.3	20.1	48 E	31*	32*
10 28	16 58.97	− 1 34.3	3.168	2.539	15.6	20.2	43 E	30*	26*
11 7	17 16.56	− 1 59.1	3.284	2.590	13.9	20.2	39 E	28*	20*
11 17	17 34.09	− 2 14.3	3.393	2.641	12.3	20.3	35 E	26*	14*
11 27	17 51.51	− 2 19.6	3.492	2.691	10.8	20.3	31 E	24*	7*
12 7	18 8.73	− 2 14.8	3.581	2.741	9.4	20.4	27 E	21*	—
12 17	18 25.70	− 2 0.0	3.659	2.790	8.3	20.4	24 E	17*	—
12 27	18 42.34	− 1 35.3	3.725	2.839	7.5	20.5	22 E	13*	—
1 6	18 58.57	− 1 1.1	3.778	2.887	7.2	20.5	22 W	11*	—
1 16	19 14.34	− 0 17.7	3.819	2.934	7.4	20.6	23 W	15*	—
		494880 2008 SQ_7							
12 23	10 54.53	−67 7.4	0.304	0.950	87.2	20.3	75 W	—	49*
12 25	11 5.52	−66 37.5	0.307	0.951	87.0	20.3	75 W	—	49*
12 27	11 16.10	−66 5.8	0.309	0.951	86.8	20.3	75 W	—	50*
12 29	11 26.29	−65 32.5	0.311	0.952	86.5	20.3	75 W	—	50*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		494880 2008 SQ_7				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 31	11 36.11	−64 57.6	0.313	0.954	86.1	20.3	75 W	—	51*
1 2	11 45.59	−64 21.1	0.314	0.955	85.7	20.3	76 W	—	52*
1 7	12 7.86	−62 43.5	0.317	0.962	84.5	20.3	77 W	—	53*
1 12	12 28.24	−60 57.0	0.318	0.970	83.0	20.2	78 W	—	55*
1 17	12 46.83	−59 1.5	0.317	0.980	81.3	20.2	80 W	—	57*
1 22	13 3.63	−56 56.4	0.314	0.993	79.3	20.1	82 W	—	59*
1 27	13 18.60	−54 40.1	0.310	1.007	76.9	20.1	85 W	—	61
2 1	13 31.75	−52 10.8	0.305	1.023	74.3	20.0	88 W	—	64
2 6	13 43.04	−49 26.1	0.299	1.041	71.2	19.9	92 W	—	67
2 11	13 52.45	−46 23.9	0.291	1.059	67.8	19.7	96 W	—	70
2 16	13 59.89	−43 1.5	0.284	1.079	63.9	19.6	101 W	2	73
2 21	14 5.27	−39 15.5	0.276	1.100	59.5	19.4	107 W	6	77
2 26	14 8.53	−35 2.8	0.268	1.121	54.5	19.3	113 W	10	81
3 2	14 9.70	−30 21.8	0.262	1.143	48.9	19.1	120 W	15	86
3 7	14 8.87	−25 13.6	0.257	1.166	42.8	18.9	127 W	20	89
3 12	14 6.22	−19 43.1	0.255	1.188	36.2	18.8	135 W	25	84
3 14	14 4.70	−17 26.6	0.256	1.197	33.5	18.7	138 W	28	81
3 16	14 2.93	−15 8.8	0.257	1.207	30.8	18.7	142 W	30	79
3 18	14 0.94	−12 50.5	0.258	1.216	28.0	18.6	145 W	32	77
3 20	13 58.75	−10 32.8	0.261	1.225	25.3	18.6	148 W	34	75
3 22	13 56.39	− 8 16.5	0.264	1.234	22.7	18.5	151 W	37	72
3 24	13 53.89	− 6 2.8	0.267	1.244	20.3	18.5	154 W	39	70
3 26	13 51.27	− 3 52.7	0.272	1.253	18.0	18.5	157 W	41	68
3 28	13 48.57	− 1 47.0	0.277	1.262	15.9	18.5	160 W	43	66
3 30	13 45.82	+ 0 13.4	0.284	1.271	14.2	18.5	162 W	45	64
4 1	13 43.05	+ 2 7.8	0.290	1.280	12.9	18.5	163 W	47	62
4 6	13 36.23	+ 6 24.5	0.311	1.303	12.0	18.7	164 W	51	58
4 11	13 29.84	+ 9 56.5	0.337	1.326	13.8	18.9	162 W	55	54
4 16	13 24.16	+12 44.2	0.366	1.348	17.0	19.3	157 E	58	51
4 21	13 19.40	+14 51.0	0.399	1.370	20.3	19.6	152 E	60	49
4 26	13 15.72	+16 21.5	0.436	1.391	23.3	19.9	147 E	61	48
5 1	13 13.16	+17 21.3	0.475	1.413	26.0	20.2	142 E	62	47
5 6	13 11.71	+17 55.5	0.517	1.433	28.4	20.5	138 E	63	46
5 11	13 11.32	+18 9.0	0.561	1.453	30.4	20.8	133 E	63	46
5 16	13 11.88	+18 5.6	0.607	1.473	32.1	21.0	129 E	63	46
5 21	13 13.33	+17 48.6	0.655	1.492	33.5	21.2	126 E	63	46
5 26	13 15.60	+17 20.4	0.704	1.511	34.6	21.5	122 E	62	47
		65808 1996 LO_1							
12 23	10 54.65	−17 43.4	2.777	3.067	18.5	21.1	98 W	27	81*
1 2	10 55.51	−19 14.9	2.640	3.062	18.0	21.0	106 W	26	83
1 12	10 54.13	−20 35.4	2.511	3.056	17.0	20.8	115 W	24	85
1 22	10 50.41	−21 40.6	2.393	3.048	15.6	20.7	123 W	23	86
2 1	10 44.37	−22 25.7	2.291	3.040	13.9	20.5	132 W	23	86
2 11	10 36.32	−22 45.8	2.208	3.031	12.1	20.4	140 W	22	87
2 21	10 26.86	−22 37.9	2.147	3.020	10.5	20.2	146 W	22	87
2 26	10 21.86	−22 23.0	2.127	3.015	9.9	20.2	148 E	23	86
3 2	10 16.84	−22 1.1	2.112	3.009	9.6	20.1	150 E	23	86
3 7	10 11.92	−21 32.7	2.105	3.003	9.6	20.1	150 E	23	86
3 12	10 7.24	−20 58.5	2.104	2.996	10.0	20.1	148 E	24	85
3 17	10 2.90	−20 19.3	2.109	2.990	10.6	20.2	146 E	25	84
3 22	9 58.99	−19 36.2	2.121	2.983	11.4	20.2	144 E	25	84
3 27	9 55.60	−18 50.2	2.139	2.976	12.4	20.3	140 E	26	83
4 1	9 52.78	−18 2.5	2.163	2.968	13.4	20.3	136 E	27	82
4 6	9 50.59	−17 14.1	2.192	2.961	14.4	20.4	132 E	28	81
4 11	9 49.03	−16 26.0	2.225	2.953	15.4	20.4	128 E	29	80
4 16	9 48.11	−15 39.1	2.263	2.945	16.4	20.5	124 E	29	80
4 21	9 47.83	−14 54.0	2.305	2.936	17.3	20.6	120 E	30	79
4 26	9 48.17	−14 11.3	2.349	2.928	18.1	20.6	116 E	31	78
5 1	9 49.12	−13 31.6	2.397	2.919	18.7	20.7	111 E	31*	78
5 6	9 50.64	−12 55.3	2.446	2.910	19.3	20.7	107 E	31*	77
5 11	9 52.69	−12 22.5	2.497	2.901	19.8	20.8	103 E	30*	76
5 16	9 55.25	−11 53.5	2.550	2.891	20.2	20.8	99 E	29*	76
5 21	9 58.28	−11 28.2	2.603	2.881	20.5	20.9	95 E	27*	75
5 26	10 1.75	−11 6.8	2.657	2.871	20.7	20.9	92 E	25*	75
5 31	10 5.63	−10 49.3	2.711	2.861	20.7	21.0	88 E	23*	75*
6 5	10 9.89	−10 35.6	2.765	2.850	20.7	21.0	84 E	21*	73*
6 10	10 14.49	−10 25.5	2.819	2.839	20.7	21.0	81 E	18*	72*
6 15	10 19.41	−10 19.1	2.871	2.828	20.5	21.1	77 E	16*	70*
6 20	10 24.63	−10 16.2	2.922	2.817	20.3	21.1	74 E	13*	67*
6 25	10 30.12	−10 16.6	2.973	2.805	20.0	21.1	71 E	11*	64*
6 30	10 35.87	−10 20.2	3.021	2.793	19.6	21.1	67 E	9*	61*
7 5	10 41.86	−10 27.0	3.068	2.781	19.2	21.1	64 E	7*	58*
7 10	10 48.06	−10 36.6	3.113	2.769	18.8	21.1	61 E	5*	55*
7 15	10 54.46	−10 49.1	3.156	2.756	18.2	21.1	58 E	3*	52*
7 20	11 1.06	−11 4.1	3.197	2.744	17.7	21.1	55 E	1*	49*
7 25	11 7.84	−11 21.7	3.235	2.731	17.1	21.1	52 E	—	46*
7 30	11 14.78	−11 41.7	3.271	2.717	16.4	21.1	49 E	—	42*
8 4	11 21.89	−12 3.8	3.304	2.704	15.7	21.1	46 E	—	39*

65808 1996 LO_1 *(continuation)*

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 9	11 29.15	−12 28.0	3.335	2.690	15.0	21.1	43 E	—	36*
8 14	11 36.56	−12 54.1	3.363	2.676	14.3	21.1	41 E	—	33*
8 19	11 44.11	−13 21.9	3.388	2.662	13.5	21.1	38 E	—	30*
8 24	11 51.81	−13 51.4	3.410	2.647	12.7	21.0	35 E	—	27*
8 29	11 59.64	−14 22.4	3.429	2.633	11.9	21.0	32 E	—	24*
9 3	12 7.59	−14 54.7	3.445	2.618	11.0	21.0	30 E	—	21*
9 8	12 15.68	−15 28.1	3.458	2.603	10.2	20.9	27 E	—	18*
9 13	12 23.91	−16 2.6	3.467	2.587	9.3	20.9	25 E	—	16*
9 18	12 32.26	−16 38.1	3.474	2.572	8.5	20.8	22 E	—	13*
9 23	12 40.75	−17 14.2	3.477	2.556	7.7	20.8	20 E	—	10*
9 28	12 49.36	−17 51.0	3.477	2.540	6.8	20.7	18 E	—	8*
10 3	12 58.11	−18 28.2	3.474	2.524	6.1	20.7	15 E	—	5*
10 8	13 6.98	−19 5.6	3.468	2.508	5.4	20.6	14 E	—	3*
10 13	13 16.00	−19 43.2	3.458	2.491	4.8	20.6	12 E	—	—
10 18	13 25.15	−20 20.8	3.445	2.474	4.4	20.5	11 W	—	—
10 23	13 34.44	−20 58.2	3.429	2.457	4.2	20.5	10 W	—	2*
10 28	13 43.86	−21 35.2	3.410	2.440	4.3	20.5	11 W	—	3*
11 7	14 3.14	−22 47.3	3.362	2.405	5.2	20.5	13 W	—	7*
11 17	14 22.99	−23 55.8	3.302	2.369	6.7	20.5	16 W	1*	10*
11 27	14 43.40	−24 59.2	3.230	2.333	8.6	20.5	21 W	4*	14*
12 7	15 4.38	−25 55.9	3.147	2.296	10.6	20.5	25 W	7*	18*
12 17	15 25.89	−26 44.3	3.054	2.259	12.7	20.4	30 W	9*	23*
12 27	15 47.89	−27 22.8	2.950	2.221	14.8	20.4	35 W	11*	28*
1 6	16 10.33	−27 49.8	2.839	2.183	16.9	20.4	40 W	12*	33*
1 16	16 33.11	−28 3.5	2.720	2.144	19.0	20.3	45 W	13*	38*

101430 1998 VE_{32}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 54.66	−26 40.3	2.111	2.383	24.3	20.0	93 W	18	87*
12 28	10 56.25	−27 51.9	2.058	2.386	24.2	20.0	97 W	17	88
1 2	10 57.17	−29 0.9	2.006	2.388	23.9	19.9	100 W	16	87
1 7	10 57.38	−30 6.7	1.954	2.390	23.5	19.9	104 W	15	86
1 12	10 56.83	−31 8.5	1.904	2.392	23.1	19.8	108 W	14	85
1 17	10 55.48	−32 5.5	1.855	2.393	22.5	19.7	111 W	13	84
1 22	10 53.32	−32 56.7	1.808	2.394	21.9	19.6	115 W	12	83
1 27	10 50.33	−33 40.9	1.764	2.395	21.2	19.6	118 W	11	82
2 1	10 46.53	−34 17.0	1.723	2.395	20.4	19.5	122 W	11	82
2 6	10 41.99	−34 43.7	1.686	2.395	19.6	19.4	125 W	10	81
2 11	10 36.79	−35 0.0	1.652	2.394	18.8	19.3	129 W	10	81
2 16	10 31.05	−35 5.1	1.622	2.394	18.0	19.3	131 W	10	81
2 21	10 24.92	−34 58.1	1.597	2.392	17.3	19.2	134 W	10	81
2 26	10 18.59	−34 38.6	1.577	2.391	16.7	19.2	136 E	10	81
3 2	10 12.25	−34 6.8	1.561	2.389	16.2	19.1	138 E	11	82
3 7	10 6.13	−33 23.1	1.551	2.386	16.0	19.1	138 E	12	83
3 12	10 0.41	−32 28.8	1.547	2.384	16.0	19.1	138 E	13	84
3 17	9 55.24	−31 25.0	1.548	2.380	16.3	19.1	138 E	14	85
3 22	9 50.78	−30 13.4	1.554	2.377	16.8	19.1	136 E	15	86
3 27	9 47.11	−28 55.9	1.566	2.373	17.5	19.2	134 E	16	87
4 1	9 44.31	−27 34.5	1.582	2.369	18.3	19.2	132 E	17	88
4 6	9 42.42	−26 11.1	1.603	2.364	19.2	19.3	129 E	19	90
4 11	9 41.41	−24 47.5	1.629	2.359	20.2	19.3	126 E	20	89
4 16	9 41.28	−23 25.0	1.659	2.354	21.1	19.4	122 E	22	87
4 21	9 41.99	−22 5.0	1.692	2.348	22.0	19.5	119 E	23	86
4 26	9 43.50	−20 48.5	1.728	2.342	22.9	19.5	115 E	24*	85
5 1	9 45.76	−19 36.4	1.768	2.336	23.6	19.6	112 E	25*	84
5 11	9 52.29	−17 27.4	1.853	2.322	24.9	19.7	104 E	25*	81
5 21	10 1.13	−15 40.4	1.945	2.306	25.8	19.8	97 E	24*	80
5 31	10 11.91	−14 16.0	2.040	2.289	26.3	19.9	91 E	21*	78*
6 10	10 24.29	−13 13.2	2.137	2.271	26.4	20.0	84 E	17*	75*
6 20	10 37.98	−12 30.5	2.232	2.251	26.2	20.1	78 E	14*	71*
6 30	10 52.79	−12 6.0	2.325	2.230	25.7	20.1	72 E	10*	66*
7 10	11 8.52	−11 57.6	2.414	2.207	24.9	20.2	66 E	7*	60*
7 20	11 25.07	−12 3.2	2.497	2.183	23.9	20.2	60 E	5*	54*
7 30	11 42.35	−12 20.7	2.573	2.157	22.7	20.2	55 E	3*	49*
8 9	12 0.28	−12 48.2	2.641	2.131	21.3	20.2	50 E	1*	43*
8 19	12 18.84	−13 23.7	2.701	2.102	19.7	20.2	44 E	—	38*
8 29	12 38.04	−14 5.4	2.752	2.073	18.0	20.1	39 E	—	33*
9 8	12 57.84	−14 51.3	2.793	2.042	16.2	20.1	34 E	—	28*
9 18	13 18.30	−15 39.6	2.824	2.011	14.2	20.0	29 E	—	23*
9 28	13 39.42	−16 28.3	2.844	1.978	12.2	19.9	25 E	—	18*
10 8	14 1.23	−17 15.5	2.854	1.944	10.0	19.8	20 E	—	14*
10 18	14 23.77	−17 59.2	2.853	1.909	7.8	19.6	15 E	—	9*
10 28	14 47.08	−18 37.2	2.841	1.873	5.6	19.5	11 E	—	4*
11 7	15 11.17	−19 7.3	2.819	1.836	3.2	19.3	6 E	—	—
11 17	15 36.05	−19 27.3	2.787	1.799	0.9	19.0	2 E	—	—
11 27	16 1.73	−19 34.8	2.746	1.761	1.6	19.0	3 W	—	—
12 7	16 28.18	−19 27.3	2.696	1.723	4.0	19.1	7 W	1*	—
12 17	16 55.36	−19 2.8	2.640	1.685	6.4	19.1	11 W	4*	1*
12 27	17 23.21	−18 18.8	2.577	1.646	8.9	19.1	15 W	7*	4*
1 6	17 51.64	−17 13.4	2.510	1.609	11.3	19.1	19 W	10*	7*
1 16	18 20.60	−15 45.2	2.439	1.572	13.6	19.1	22 W	12*	11*

277530 2005 XM_{66}

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 23	10 55.14	+34 4.6	1.671	2.284	22.7	20.4	116 W	79	30*
12 28	10 57.50	+35 24.7	1.640	2.301	21.6	20.3	120 W	80	29
1 2	10 58.95	+36 49.5	1.613	2.317	20.4	20.3	125 W	82	27
1 7	10 59.45	+38 17.8	1.590	2.334	19.2	20.2	129 W	83	26
1 12	10 58.94	+39 48.4	1.571	2.350	18.0	20.2	133 W	85	24
1 17	10 57.39	+41 19.5	1.557	2.367	16.8	20.1	136 W	86	23
1 22	10 54.76	+42 49.4	1.549	2.383	15.7	20.1	139 W	88	21
1 27	10 51.09	+44 15.8	1.547	2.399	14.7	20.1	142 W	89	20
2 1	10 46.45	+45 36.6	1.550	2.414	14.1	20.1	143 W	89	18
2 6	10 40.95	+46 49.6	1.560	2.430	13.7	20.1	144 W	88	17
2 11	10 34.77	+47 53.1	1.575	2.445	13.6	20.1	144 W	87	16
2 16	10 28.13	+48 45.9	1.597	2.460	13.9	20.2	143 W	86	15
2 21	10 21.25	+49 26.9	1.624	2.475	14.4	20.2	141 W	86	15
2 26	10 14.42	+49 55.7	1.657	2.490	15.1	20.3	139 E	85	14
3 2	10 7.89	+50 12.6	1.695	2.505	15.9	20.4	136 E	85	14
3 7	10 1.90	+50 18.1	1.738	2.519	16.8	20.5	133 E	85	14
3 12	9 56.63	+50 13.2	1.785	2.533	17.7	20.6	129 E	85	14
3 17	9 52.21	+49 59.1	1.836	2.547	18.5	20.7	126 E	85	14
3 22	9 48.71	+49 36.9	1.891	2.561	19.3	20.8	122 E	85	14
3 27	9 46.18	+49 7.7	1.949	2.574	20.0	20.9	118 E	86	15
4 1	9 44.63	+48 32.9	2.010	2.587	20.6	21.0	114 E	86	15
4 6	9 44.00	+47 53.2	2.073	2.600	21.1	21.1	111 E	87	16
4 11	9 44.26	+47 9.8	2.137	2.613	21.5	21.2	107 E	88	17
4 16	9 45.31	+46 23.1	2.204	2.626	21.8	21.3	103 E	89	18
4 21	9 47.11	+45 33.9	2.271	2.638	22.0	21.4	100 E	89	18
4 26	9 49.59	+44 42.6	2.340	2.650	22.2	21.4	97 E	90	19

1565 Lemaître

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 55.18	−17 57.2	2.473	2.778	20.6	17.8	97 W	27	82*
1 2	10 55.64	−19 42.1	2.375	2.807	19.7	17.7	106 W	25	84
1 12	10 53.59	−21 13.0	2.284	2.835	18.4	17.6	114 W	24	85
1 22	10 48.97	−22 25.3	2.203	2.862	16.7	17.5	123 W	23	86
2 1	10 41.95	−23 13.7	2.138	2.889	14.8	17.4	132 W	22	87
2 11	10 33.00	−23 33.8	2.092	2.914	12.7	17.3	140 W	21	88
2 16	10 28.03	−23 32.4	2.077	2.926	11.8	17.2	143 W	21	88
2 21	10 22.89	−23 23.3	2.069	2.938	11.0	17.2	146 W	22	87
2 26	10 17.70	−23 6.6	2.066	2.950	10.4	17.2	148 E	22	87
3 2	10 12.60	−22 42.9	2.070	2.961	10.1	17.2	149 E	22	87
3 7	10 7.72	−22 12.9	2.081	2.973	10.1	17.2	148 E	23	86
3 12	10 3.18	−21 37.5	2.099	2.984	10.3	17.2	147 E	23	86
3 17	9 59.06	−20 57.8	2.122	2.995	10.9	17.3	145 E	24	85
3 22	9 55.45	−20 14.7	2.152	3.005	11.6	17.4	143 E	25	84
3 27	9 52.41	−19 29.6	2.188	3.015	12.5	17.4	139 E	26	83
4 1	9 49.98	−18 43.4	2.229	3.026	13.3	17.5	136 E	26	83
4 6	9 48.18	−17 57.2	2.275	3.035	14.2	17.6	132 E	27	82
4 11	9 47.02	−17 11.9	2.326	3.045	15.1	17.7	128 E	28	81
4 16	9 46.47	−16 28.2	2.381	3.054	15.9	17.8	124 E	29	80
4 21	9 46.53	−15 46.7	2.440	3.063	16.6	17.9	120 E	29	80
5 1	9 48.35	−14 32.2	2.567	3.081	17.7	18.0	111 E	30*	79
5 11	9 52.22	−13 31.0	2.703	3.097	18.5	18.2	103 E	29*	78
5 21	9 57.84	−12 44.2	2.844	3.113	18.9	18.3	96 E	26*	77
5 31	10 4.96	−12 11.9	2.988	3.127	18.9	18.4	88 E	22*	76*
6 10	10 13.31	−11 53.7	3.132	3.141	18.6	18.5	81 E	17*	73*
6 20	10 22.68	−11 48.5	3.273	3.153	18.1	18.6	74 E	12*	68*
6 30	10 32.90	−11 55.5	3.409	3.165	17.3	18.7	68 E	7*	62*
7 10	10 43.80	−12 13.4	3.538	3.175	16.3	18.7	61 E	3*	55*
7 20	10 55.28	−12 41.3	3.660	3.185	15.1	18.8	55 E	—	48*
7 30	11 7.23	−13 17.9	3.771	3.193	13.8	18.8	49 E	—	41*
8 9	11 19.55	−14 2.4	3.871	3.201	12.4	18.8	43 E	—	35*
8 19	11 32.20	−14 53.6	3.959	3.207	10.9	18.8	37 E	—	28*
8 29	11 45.12	−15 50.7	4.033	3.213	9.4	18.8	31 E	—	21*
9 8	11 58.25	−16 52.7	4.093	3.217	7.9	18.8	26 E	—	15*
9 18	12 11.56	−17 58.8	4.138	3.221	6.5	18.7	21 E	—	9*
9 28	12 25.01	−19 8.3	4.167	3.223	5.3	18.7	17 E	—	3*
10 8	12 38.56	−20 20.3	4.180	3.225	4.6	18.6	15 W	—	4*
10 18	12 52.18	−21 34.1	4.176	3.225	4.7	18.6	15 W	—	8*
10 28	13 5.83	−22 49.0	4.155	3.225	5.5	18.7	18 W	—	12*
11 7	13 19.44	−24 4.3	4.117	3.224	6.7	18.7	22 W	2*	16*
11 17	13 32.98	−25 19.3	4.063	3.221	8.2	18.8	28 W	6*	21*
11 27	13 46.35	−26 33.6	3.993	3.218	9.8	18.8	34 W	9*	27*
12 7	13 59.48	−27 46.5	3.907	3.213	11.3	18.8	40 W	12*	32*
12 17	14 12.26	−28 57.5	3.806	3.208	12.8	18.8	46 W	13*	39*
12 27	14 24.55	−30 6.2	3.692	3.202	14.2	18.8	53 W	14*	46*
1 6	14 36.21	−31 12.1	3.566	3.194	15.5	18.7	60 W	14*	54*
1 16	14 47.05	−32 14.9	3.429	3.186	16.6	18.7	68 W	13*	61*

196256 2003 EH_1

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 23	10 55.86	−65 57.0	1.585	1.638	35.5	19.7	75 W	—	50*
12 25	10 55.93	−67 27.6	1.600	1.652	35.2	19.8	75 W	—	49*
12 27	10 55.67	−68 55.6	1.615	1.667	34.8	19.8	75 W	—	47
12 29	10 55.03	−70 21.0	1.631	1.682	34.5	19.8	76 W	—	46

196256 2003 EH_1 *(continuation)*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 31	10 53.95	−71 43.8	1.647	1.697	34.2	19.9	76 W	—	44
1 2	10 52.34	−73 3.8	1.663	1.712	33.8	19.9	76 W	—	43
1 3	10 51.31	−73 42.9	1.672	1.720	33.7	19.9	76 W	—	42
1 4	10 50.10	−74 21.2	1.680	1.727	33.5	19.9	76 W	—	42
1 5	10 48.71	−74 58.8	1.688	1.735	33.3	19.9	76 W	—	41
1 6	10 47.10	−75 35.7	1.697	1.742	33.2	19.9	76 W	—	40
1 7	10 45.27	−76 12.0	1.705	1.750	33.0	20.0	76 W	—	40
1 8	10 43.19	−76 47.4	1.714	1.757	32.9	20.0	76 W	—	39
1 9	10 40.83	−77 22.2	1.722	1.765	32.7	20.0	76 W	—	39
1 10	10 38.16	−77 56.2	1.731	1.773	32.6	20.0	76 W	—	38
1 11	10 35.15	−78 29.4	1.739	1.780	32.4	20.0	76 W	—	38
1 12	10 31.75	−79 1.8	1.748	1.788	32.3	20.0	76 W	—	37
1 13	10 27.93	−79 33.4	1.757	1.795	32.1	20.1	76 W	—	36
1 14	10 23.63	−80 4.1	1.765	1.803	32.0	20.1	76 W	—	36
1 15	10 18.80	−80 33.9	1.774	1.811	31.8	20.1	76 W	—	35
1 16	10 13.37	−81 2.8	1.782	1.818	31.7	20.1	76 W	—	35
1 17	10 7.28	−81 30.6	1.791	1.826	31.5	20.1	76 W	—	34
1 18	10 0.45	−81 57.4	1.800	1.833	31.4	20.1	76 W	—	34
1 19	9 52.79	−82 23.1	1.808	1.841	31.3	20.1	76 W	—	34
1 20	9 44.20	−82 47.5	1.817	1.849	31.1	20.2	76 W	—	33
1 21	9 34.61	−83 10.6	1.825	1.856	31.0	20.2	76 W	—	33
1 22	9 23.92	−83 32.3	1.834	1.864	30.8	20.2	76 W	—	32
1 23	9 12.04	−83 52.4	1.843	1.872	30.7	20.2	76 W	—	32
1 24	8 58.91	−84 10.7	1.851	1.879	30.6	20.2	76 W	—	32
1 25	8 44.49	−84 27.2	1.860	1.887	30.5	20.2	76 W	—	32
1 26	8 28.78	−84 41.6	1.868	1.895	30.3	20.3	76 E	—	31
1 27	8 11.88	−84 53.8	1.876	1.902	30.2	20.3	76 E	—	31
1 28	7 53.91	−85 3.7	1.885	1.910	30.1	20.3	76 E	—	31
1 29	7 35.10	−85 11.1	1.893	1.918	29.9	20.3	76 E	—	31
1 30	7 15.75	−85 16.1	1.901	1.925	29.8	20.3	76 E	—	31
1 31	6 56.22	−85 18.5	1.910	1.933	29.7	20.3	76 E	—	31
2 1	6 36.86	−85 18.5	1.918	1.941	29.6	20.3	76 E	—	31
2 2	6 18.04	−85 16.2	1.926	1.948	29.5	20.4	77 E	—	31
2 3	6 0.05	−85 11.7	1.934	1.956	29.3	20.4	77 E	—	31
2 4	5 43.12	−85 5.3	1.942	1.964	29.2	20.4	77 E	—	31
2 5	5 27.41	−84 57.1	1.950	1.971	29.1	20.4	77 E	—	31
2 6	5 12.98	−84 47.5	1.958	1.979	29.0	20.4	77 E	—	31
2 7	4 59.86	−84 36.6	1.966	1.987	28.9	20.4	77 E	—	31
2 8	4 48.00	−84 24.6	1.974	1.994	28.8	20.4	77 E	—	32
2 9	4 37.35	−84 11.7	1.982	2.002	28.7	20.5	77 E	—	32
2 10	4 27.82	−83 58.2	1.989	2.010	28.6	20.5	77 E	—	32*
2 11	4 19.32	−83 44.0	1.997	2.017	28.5	20.5	77 E	—	32*
2 12	4 11.76	−83 29.4	2.005	2.025	28.3	20.5	77 E	—	32*
2 13	4 5.05	−83 14.5	2.012	2.033	28.2	20.5	77 E	—	33*
2 14	3 59.10	−82 59.4	2.019	2.040	28.1	20.5	77 E	—	33*
2 15	3 53.84	−82 44.0	2.027	2.048	28.0	20.5	77 E	—	33*
2 16	3 49.20	−82 28.5	2.034	2.056	27.9	20.5	77 E	—	33*
2 17	3 45.11	−82 13.0	2.041	2.063	27.8	20.6	77 E	—	33*
2 18	3 41.52	−81 57.5	2.048	2.071	27.8	20.6	77 E	—	34*
2 19	3 38.38	−81 42.0	2.055	2.078	27.7	20.6	77 E	—	34*
2 20	3 35.65	−81 26.6	2.062	2.086	27.6	20.6	78 E	—	34*
2 21	3 33.28	−81 11.2	2.069	2.094	27.5	20.6	78 E	—	34*
2 22	3 31.24	−80 56.0	2.076	2.101	27.4	20.6	78 E	—	34*
2 23	3 29.51	−80 40.9	2.083	2.109	27.3	20.6	78 E	—	34*
2 24	3 28.04	−80 26.0	2.089	2.116	27.2	20.6	78 E	—	34*
2 25	3 26.83	−80 11.2	2.096	2.124	27.1	20.7	78 E	—	35*
2 26	3 25.84	−79 56.6	2.102	2.132	27.0	20.7	78 E	—	35*
2 27	3 25.06	−79 42.2	2.109	2.139	26.9	20.7	78 E	—	35*
2 28	3 24.47	−79 28.1	2.115	2.147	26.9	20.7	78 E	—	35*
2 29	3 24.06	−79 14.1	2.121	2.154	26.8	20.7	78 E	—	35*
3 1	3 23.81	−79 0.3	2.128	2.162	26.7	20.7	79 E	—	35*
3 2	3 23.71	−78 46.8	2.134	2.169	26.6	20.7	79 E	—	35*
3 3	3 23.76	−78 33.5	2.140	2.177	26.5	20.7	79 E	—	35*
3 4	3 23.93	−78 20.4	2.145	2.185	26.5	20.8	79 E	—	35*
3 5	3 24.22	−78 7.6	2.151	2.192	26.4	20.8	79 E	—	36*
3 6	3 24.62	−77 55.0	2.157	2.200	26.3	20.8	79 E	—	36*
3 7	3 25.13	−77 42.6	2.163	2.207	26.2	20.8	79 E	—	36*
3 8	3 25.74	−77 30.5	2.168	2.215	26.1	20.8	80 E	—	36*
3 9	3 26.44	−77 18.6	2.174	2.222	26.1	20.8	80 E	—	36*
3 10	3 27.24	−77 7.0	2.179	2.230	26.0	20.8	80 E	—	36*
3 11	3 28.11	−76 55.6	2.184	2.237	25.9	20.8	80 E	—	36*
3 12	3 29.06	−76 44.4	2.190	2.244	25.9	20.8	80 E	—	36*
3 14	3 31.20	−76 22.8	2.200	2.259	25.7	20.9	80 E	—	36*
3 16	3 33.61	−76 2.2	2.210	2.274	25.6	20.9	81 E	—	36*
3 18	3 36.27	−75 42.5	2.220	2.289	25.4	20.9	81 E	—	36*
3 20	3 39.18	−75 23.7	2.229	2.304	25.3	20.9	82 E	—	36*
3 22	3 42.30	−75 5.9	2.238	2.319	25.2	20.9	82 E	—	36*
3 24	3 45.64	−74 49.0	2.247	2.333	25.1	21.0	82 E	—	37*
3 26	3 49.17	−74 33.0	2.255	2.348	24.9	21.0	83 E	—	37*
3 28	3 52.88	−74 17.9	2.264	2.363	24.8	21.0	83 E	—	37*
3 30	3 56.78	−74 3.8	2.272	2.377	24.7	21.0	84 E	—	37*
4 1	4 0.85	−73 50.4	2.279	2.392	24.5	21.0	84 E	—	37*

196256 2003 EH_1 *(continuation)*

19/20	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 6	4 11.73	−73 20.9	2.298	2.428	24.2	21.1	85 E	—	37*
4 11	4 23.58	−72 56.3	2.315	2.464	23.9	21.1	86 E	—	37*
4 16	4 36.39	−72 36.3	2.332	2.500	23.6	21.1	88 E	—	37*
4 21	4 50.16	−72 20.5	2.347	2.536	23.3	21.2	89 E	—	37*
4 26	5 4.88	−72 8.4	2.363	2.571	23.0	21.2	90 E	—	37*
5 1	5 20.55	−71 59.7	2.378	2.606	22.7	21.2	91 E	—	37*
5 6	5 37.16	−71 53.7	2.394	2.640	22.4	21.3	93 E	—	37*
5 11	5 54.71	−71 49.7	2.411	2.675	22.1	21.3	94 E	—	37*
5 16	6 13.21	−71 47.0	2.428	2.709	21.8	21.3	95 E	—	37*
5 21	6 32.62	−71 45.0	2.447	2.743	21.5	21.4	96 E	—	38*
5 26	6 52.90	−71 43.0	2.467	2.776	21.2	21.4	97 E	—	38*
5 31	7 13.97	−71 40.3	2.489	2.809	21.0	21.5	98 E	—	38*
6 5	7 35.70	−71 36.1	2.514	2.842	20.7	21.5	98 E	—	38*

137120 1999 BJ_8

12 23	10 55.93	+23 41.6	0.562	1.314	43.3	19.1	114 W	69	40*
12 28	11 15.93	+21 57.3	0.505	1.273	45.1	18.9	114 W	67	42*
1 2	11 38.12	+19 45.0	0.453	1.232	47.4	18.6	113 W	65	44*
1 7	12 3.00	+16 56.0	0.405	1.191	50.3	18.4	111 W	62	47*
1 12	12 31.11	+13 20.1	0.363	1.152	54.1	18.2	109 W	58	50*
1 17	13 2.93	+ 8 47.9	0.328	1.113	58.9	18.0	105 W	54	55*
1 22	13 38.70	+ 3 16.0	0.301	1.075	64.7	17.9	99 W	48	60*
1 24	13 54.10	+ 0 48.1	0.293	1.060	67.2	17.9	97 W	46	61*
1 26	14 10.07	− 1 46.4	0.287	1.045	69.9	17.9	94 W	43	63*
1 28	14 26.54	− 4 25.6	0.282	1.031	72.7	18.0	91 W	41	65*
1 30	14 43.46	− 7 6.9	0.279	1.017	75.5	18.0	89 W	38	66*
2 1	15 0.71	− 9 47.7	0.279	1.004	78.2	18.1	86 W	35	67*
2 3	15 18.20	−12 24.9	0.279	0.991	80.8	18.1	83 W	33	67*
2 5	15 35.80	−14 56.0	0.282	0.978	83.3	18.2	80 W	30	67*
2 7	15 53.38	−17 18.5	0.286	0.966	85.7	18.3	78 W	28*	67*
2 9	16 10.84	−19 30.6	0.292	0.954	87.7	18.4	75 W	25*	66*
2 11	16 28.06	−21 30.9	0.300	0.942	89.6	18.5	73 W	23*	65*
2 16	17 9.41	−25 37.3	0.324	0.916	92.9	18.8	68 W	18*	61*
2 21	17 47.57	−28 29.0	0.356	0.894	94.6	19.0	64 W	14*	58*
2 26	18 22.12	−30 17.7	0.392	0.877	94.8	19.2	62 W	11*	56*
3 2	18 53.16	−31 17.0	0.432	0.864	93.7	19.3	60 W	9*	54*
3 4	19 4.66	−31 29.6	0.449	0.861	93.0	19.3	60 W	8*	54*
3 6	19 15.68	−31 37.0	0.465	0.858	92.2	19.4	60 W	7*	53*
3 8	19 26.26	−31 39.7	0.482	0.856	91.3	19.4	60 W	6*	53*
3 10	19 36.41	−31 38.1	0.500	0.855	90.3	19.4	59 W	6*	53*
3 12	19 46.17	−31 32.9	0.517	0.855	89.3	19.5	59 W	5*	52*
3 17	20 9.00	−31 6.0	0.560	0.859	86.3	19.5	59 W	5*	52*
3 22	20 29.82	−30 23.6	0.603	0.868	83.2	19.6	60 W	4*	53*
3 27	20 48.88	−29 30.0	0.644	0.882	80.0	19.7	61 W	4*	53*
4 1	21 6.39	−28 28.5	0.683	0.901	76.8	19.7	61 W	4*	54*
4 6	21 22.51	−27 21.6	0.720	0.925	73.8	19.8	63 W	4*	55*
4 11	21 37.36	−26 11.6	0.754	0.952	70.9	19.9	64 W	5*	57*
4 16	21 51.06	−25 0.1	0.784	0.982	68.2	19.9	65 W	5*	58*
4 21	22 3.67	−23 48.8	0.811	1.015	65.7	20.0	67 W	6*	60*
4 26	22 15.25	−22 38.7	0.835	1.050	63.3	20.1	69 W	7*	62*
5 1	22 25.84	−21 30.8	0.855	1.087	61.1	20.1	71 W	8*	65*
5 11	22 44.20	−19 24.4	0.883	1.165	57.1	20.2	76 W	10*	70*
5 21	22 58.92	−17 34.3	0.898	1.245	53.4	20.3	81 W	14*	75*
5 31	23 9.91	−16 4.1	0.901	1.327	49.7	20.3	88 W	17*	79*
6 10	23 16.96	−14 56.1	0.893	1.409	45.9	20.3	95 W	21*	79
6 20	23 19.72	−14 12.5	0.878	1.491	41.5	20.3	104 W	26*	78
6 30	23 17.69	−13 54.6	0.860	1.570	36.5	20.2	113 W	29*	78
7 10	23 10.57	−14 1.4	0.844	1.648	30.6	20.1	124 W	31*	78
7 20	22 58.37	−14 29.2	0.837	1.724	23.8	20.0	137 W	31	78
7 25	22 50.56	−14 48.6	0.838	1.761	20.2	19.9	143 W	30	79
7 30	22 41.85	−15 10.0	0.844	1.797	16.3	19.9	150 W	30	79
8 4	22 32.49	−15 31.7	0.855	1.833	12.5	19.8	157 W	29	80
8 9	22 22.79	−15 52.5	0.872	1.868	8.6	19.8	164 W	29	80
8 14	22 13.04	−16 11.0	0.896	1.903	5.0	19.7	171 W	29	80
8 19	22 3.57	−16 26.2	0.926	1.937	2.3	19.6	176 W	29	80
8 24	21 54.67	−16 37.6	0.962	1.970	3.6	19.8	173 E	28	81
8 29	21 46.58	−16 44.7	1.006	2.003	6.5	20.1	167 E	28	81
9 8	21 33.43	−16 46.7	1.110	2.066	12.1	20.6	155 E	28	81
9 18	21 24.69	−16 34.4	1.237	2.127	16.5	21.1	143 E	28	81
9 28	21 20.26	−16 10.5	1.381	2.186	19.8	21.5	132 E	29	80
10 8	21 19.59	−15 37.4	1.540	2.242	22.1	21.9	123 E	29	80

357129 2001 XU_{266}

12 23	10 56.01	− 7 7.4	1.554	2.007	28.6	21.1	102 W	38	71*
1 2	11 0.38	− 6 49.7	1.478	2.051	26.5	21.0	111 W	38	71
1 12	11 1.53	− 6 1.0	1.407	2.095	23.6	20.9	121 W	39	70
1 22	10 59.36	− 4 37.8	1.347	2.138	19.9	20.7	132 W	40	69

19/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
357129 2001 XU_{266} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 1	10 53.99	− 2 38.9	1.303	2.181	15.2	20.5	144 W	42	67
2 11	10 46.03	− 0 8.8	1.281	2.224	9.9	20.3	157 W	45	64
2 16	10 41.39	+ 1 14.9	1.279	2.245	7.1	20.2	164 W	46	63
2 21	10 36.51	+ 2 41.9	1.285	2.266	4.3	20.1	170 W	48	61
2 26	10 31.56	+ 4 10.3	1.298	2.286	2.1	20.0	175 E	49	60
3 2	10 26.74	+ 5 37.8	1.319	2.307	2.8	20.1	174 E	51	58
3 7	10 22.21	+ 7 2.4	1.348	2.327	5.2	20.3	168 E	52	57
3 12	10 18.11	+ 8 22.5	1.383	2.347	7.7	20.5	162 E	53	56
3 17	10 14.54	+ 9 36.7	1.425	2.367	10.1	20.7	155 E	55	54
3 22	10 11.60	+10 44.2	1.474	2.387	12.3	20.9	149 E	56	53
3 27	10 9.34	+11 44.3	1.529	2.406	14.2	21.0	144 E	57	52
4 1	10 7.80	+12 36.9	1.589	2.425	16.0	21.2	138 E	58	51
4 6	10 6.98	+13 21.9	1.653	2.444	17.5	21.4	133 E	58	51
4 11	10 6.86	+13 59.6	1.722	2.463	18.8	21.5	127 E	59	50
402756 2006 YC_{34}									
12 23	10 56.19	+17 43.4	1.549	2.120	25.5	21.2	112 W	63	46*
1 2	10 59.62	+18 35.5	1.486	2.166	22.9	21.0	121 W	64	45
1 12	10 59.52	+19 47.3	1.435	2.211	19.5	20.9	131 W	65	44
1 22	10 55.82	+21 14.2	1.398	2.257	15.5	20.7	142 W	66	43
2 1	10 48.82	+22 47.9	1.382	2.303	11.3	20.6	153 W	68	41
2 11	10 39.31	+24 17.0	1.390	2.348	7.5	20.5	162 W	69	40
2 21	10 28.56	+25 30.5	1.424	2.393	6.1	20.5	165 W	71	38
3 2	10 18.01	+26 20.1	1.485	2.438	8.3	20.8	159 E	71	38
3 12	10 9.05	+26 42.8	1.572	2.482	11.6	21.1	150 E	72	37
3 22	10 2.56	+26 40.3	1.682	2.526	14.8	21.4	140 E	72	37
58980 1998 RG_{47}									
12 23	10 57.26	+ 0 6.7	2.379	2.799	19.8	20.5	105 W	45	64*
1 2	10 59.01	− 0 22.9	2.243	2.797	18.7	20.3	114 W	45	64
1 12	10 58.39	− 0 37.6	2.116	2.794	16.8	20.2	125 W	44	65
1 22	10 55.26	− 0 35.3	2.003	2.790	14.3	19.9	135 W	44	65
2 1	10 49.65	− 0 14.3	1.909	2.785	11.2	19.7	147 W	45	64
2 11	10 41.88	+ 0 25.0	1.838	2.779	7.5	19.5	158 W	45	64
2 21	10 32.58	+ 1 20.1	1.795	2.772	3.8	19.2	169 W	46	63
2 26	10 27.64	+ 1 52.2	1.784	2.768	2.6	19.1	173 E	47	62
3 2	10 22.68	+ 2 26.2	1.781	2.764	3.1	19.2	171 E	47	62
3 7	10 17.84	+ 3 1.3	1.785	2.760	4.8	19.3	167 E	48	61
3 12	10 13.24	+ 3 36.5	1.797	2.755	6.7	19.4	161 E	49	60
3 17	10 9.01	+ 4 11.0	1.815	2.750	8.7	19.5	155 E	49	60
3 22	10 5.24	+ 4 44.1	1.840	2.745	10.6	19.6	149 E	50	59
4 1	9 59.39	+ 5 43.4	1.908	2.734	14.1	19.8	138 E	51	58
4 11	9 56.11	+ 6 30.4	1.995	2.722	17.0	20.0	127 E	52	57
4 21	9 55.45	+ 7 3.4	2.097	2.710	19.2	20.1	117 E	52	57
5 1	9 57.32	+ 7 21.8	2.208	2.696	20.8	20.3	108 E	52*	57
5 11	10 1.48	+ 7 26.0	2.325	2.681	21.8	20.4	99 E	50*	57
5 21	10 7.64	+ 7 16.8	2.445	2.665	22.3	20.5	91 E	45*	57
5 31	10 15.53	+ 6 55.3	2.563	2.648	22.4	20.6	84 E	39*	57*
6 10	10 24.87	+ 6 22.5	2.678	2.630	22.0	20.7	76 E	33*	57*
6 20	10 35.45	+ 5 39.4	2.788	2.612	21.4	20.8	70 E	27*	55*
6 30	10 47.08	+ 4 47.1	2.890	2.592	20.5	20.8	63 E	22*	52*
7 10	10 59.59	+ 3 46.4	2.985	2.572	19.3	20.8	57 E	17*	48*
7 20	11 12.87	+ 2 38.3	3.070	2.550	18.0	20.8	51 E	13*	43*
7 30	11 26.83	+ 1 23.5	3.144	2.528	16.5	20.8	45 E	10*	38*
8 9	11 41.39	+ 0 3.1	3.208	2.505	14.8	20.8	39 E	7*	33*
8 19	11 56.52	− 1 22.2	3.260	2.481	13.0	20.7	34 E	5*	28*
8 29	12 12.17	− 2 51.5	3.300	2.456	11.2	20.6	28 E	3*	22*
9 8	12 28.32	− 4 23.9	3.328	2.431	9.2	20.6	23 E	1*	17*
9 18	12 44.98	− 5 58.5	3.344	2.404	7.2	20.5	17 E	—	11*
9 28	13 2.15	− 7 34.4	3.347	2.377	5.1	20.3	12 E	—	6*
10 8	13 19.84	− 9 10.5	3.338	2.349	3.0	20.2	7 E	—	1*
10 18	13 38.06	−10 45.7	3.316	2.321	0.8	20.0	2 E	—	—
10 28	13 56.83	−12 19.0	3.283	2.292	1.4	20.0	3 W	—	—
11 7	14 16.17	−13 49.0	3.238	2.262	3.6	20.1	8 W	1*	—
11 17	14 36.09	−15 14.7	3.182	2.232	5.9	20.1	13 W	5*	4*
11 27	14 56.61	−16 34.7	3.115	2.201	8.1	20.1	18 W	9*	8*
12 7	15 17.71	−17 47.5	3.039	2.170	10.4	20.2	23 W	12*	12*
12 17	15 39.40	−18 51.9	2.954	2.139	12.6	20.1	28 W	14*	17*
12 27	16 1.63	−19 46.5	2.861	2.107	14.8	20.1	33 W	16*	22*
1 6	16 24.37	−20 29.9	2.761	2.075	16.9	20.1	38 W	17*	28*
1 16	16 47.56	−21 0.9	2.655	2.043	19.0	20.0	43 W	18*	33*
450293 2004 LV_3									
12 23	10 57.41	−26 56.7	0.376	1.070	66.6	19.2	93 W	18	87*
12 25	10 52.99	−29 58.2	0.382	1.079	65.4	19.2	94 W	15	86*
12 27	10 48.24	−32 52.5	0.388	1.088	64.3	19.2	95 W	12	83
12 29	10 43.14	−35 39.0	0.394	1.096	63.1	19.2	96 W	9	80
12 31	10 37.68	−38 17.0	0.402	1.105	62.1	19.2	97 W	7	78
1 2	10 31.82	−40 46.2	0.410	1.114	61.0	19.3	98 W	4	75
450293 2004 LV_3 *(continuation)*									
1 7	10 15.39	−46 18.7	0.433	1.136	58.6	19.4	99 W	—	70
1 12	9 56.35	−50 51.6	0.458	1.159	56.6	19.5	101 W	—	65
1 17	9 34.89	−54 25.2	0.486	1.181	54.7	19.6	101 W	—	62
1 22	9 11.66	−57 1.4	0.515	1.203	53.1	19.7	102 W	—	59
1 24	9 2.10	−57 48.6	0.527	1.211	52.6	19.8	102 W	—	58
1 26	8 52.52	−58 27.5	0.539	1.220	52.0	19.8	102 W	—	58
1 28	8 43.01	−58 58.6	0.551	1.228	51.5	19.9	103 W	—	57
1 30	8 33.67	−59 22.3	0.563	1.237	51.0	19.9	103 E	—	57
2 1	8 24.57	−59 39.0	0.575	1.245	50.5	20.0	103 E	—	56
2 3	8 15.79	−59 49.3	0.588	1.254	50.0	20.0	103 E	—	56
2 5	8 7.41	−59 53.7	0.600	1.262	49.6	20.0	103 E	—	56
2 7	7 59.48	−59 52.8	0.612	1.271	49.2	20.1	103 E	—	56
2 9	7 52.05	−59 47.0	0.624	1.279	48.8	20.1	103 E	—	56
2 11	7 45.13	−59 36.9	0.636	1.287	48.4	20.2	103 E	—	56
2 16	7 30.23	−58 55.3	0.666	1.307	47.5	20.3	103 E	—	57
2 21	7 18.77	−57 55.7	0.696	1.326	46.7	20.4	102 E	—	58
2 26	7 10.60	−56 43.3	0.725	1.345	46.0	20.5	102 E	—	59
3 2	7 5.42	−55 22.3	0.753	1.363	45.4	20.6	102 E	—	61
3 7	7 2.86	−53 56.2	0.781	1.380	44.8	20.7	102 E	—	62
3 12	7 2.56	−52 27.3	0.807	1.397	44.2	20.8	101 E	—	64
3 17	7 4.20	−50 57.0	0.833	1.413	43.7	20.8	101 E	—	65
3 22	7 7.52	−49 26.5	0.859	1.429	43.3	20.9	100 E	—	67
3 27	7 12.31	−47 56.7	0.884	1.443	42.9	21.0	100 E	—	68
4 1	7 18.38	−46 28.6	0.908	1.457	42.6	21.1	100 E	—	70
4 6	7 25.56	−45 2.6	0.932	1.470	42.2	21.1	99 E	—	71
4 11	7 33.70	−43 39.2	0.955	1.482	42.0	21.2	98 E	1*	72
4 16	7 42.68	−42 18.4	0.979	1.494	41.7	21.3	98 E	1*	74*
4 21	7 52.42	−41 0.4	1.002	1.505	41.5	21.3	97 E	2*	75*
4 26	8 2.83	−39 45.6	1.026	1.515	41.3	21.4	96 E	2*	76*
5 1	8 13.83	−38 34.2	1.049	1.524	41.2	21.4	96 E	2*	77*
5 6	8 25.35	−37 26.3	1.073	1.532	41.0	21.5	95 E	2*	78*
39702 1996 TZ_{10}									
12 23	10 57.83	+ 1 42.7	2.635	3.049	18.1	20.8	105 W	47	62*
1 2	10 58.84	+ 1 32.8	2.506	3.059	16.9	20.6	115 W	47	62
1 12	10 57.64	+ 1 37.9	2.388	3.068	15.1	20.5	126 W	47	62
1 22	10 54.16	+ 1 59.3	2.284	3.077	12.6	20.3	137 W	47	62
2 1	10 48.52	+ 2 37.0	2.201	3.084	9.6	20.1	148 W	48	61
2 11	10 41.07	+ 3 29.3	2.143	3.091	6.1	19.9	160 W	48	61
2 21	10 32.42	+ 4 32.6	2.114	3.096	2.5	19.7	172 W	50	59
2 26	10 27.89	+ 5 6.8	2.111	3.099	1.3	19.6	176 E	50	59
3 2	10 23.37	+ 5 41.6	2.115	3.101	2.3	19.6	173 E	51	58
3 7	10 18.98	+ 6 16.4	2.128	3.103	4.1	19.8	167 E	51	58
3 12	10 14.83	+ 6 50.3	2.147	3.105	5.9	19.9	161 E	52	57
3 22	10 7.56	+ 7 53.2	2.208	3.107	9.4	20.1	149 E	53	56
4 1	10 2.16	+ 8 46.2	2.294	3.109	12.4	20.3	138 E	54	55
4 11	9 58.95	+ 9 26.7	2.400	3.110	14.9	20.5	127 E	54	55
4 21	9 58.00	+ 9 54.0	2.521	3.109	16.7	20.7	117 E	55	54
5 1	9 59.23	+10 8.1	2.652	3.108	18.0	20.8	108 E	55*	54
5 11	10 2.44	+10 9.8	2.790	3.106	18.8	20.9	99 E	53*	54
5 21	10 7.41	+10 0.1	2.930	3.103	19.0	21.1	90 E	48*	54
5 31	10 13.90	+ 9 40.0	3.070	3.099	18.9	21.2	82 E	41*	54*
6 10	10 21.67	+ 9 10.4	3.205	3.094	18.4	21.2	75 E	35*	54*
6 20	10 30.52	+ 8 32.5	3.335	3.088	17.7	21.3	67 E	29*	52*
6 30	10 40.29	+ 7 47.1	3.456	3.081	16.7	21.3	60 E	23*	49*
7 10	10 50.81	+ 6 55.1	3.568	3.073	15.4	21.3	53 E	18*	44*
7 20	11 1.97	+ 5 57.1	3.668	3.065	14.0	21.4	47 E	14*	39*
7 30	11 13.67	+ 4 54.1	3.756	3.055	12.4	21.3	40 E	10*	34*
8 9	11 25.82	+ 3 46.7	3.831	3.044	10.8	21.3	34 E	7*	28*
8 19	11 38.37	+ 2 35.6	3.891	3.033	9.0	21.3	28 E	5*	22*
8 29	11 51.25	+ 1 21.6	3.936	3.020	7.1	21.2	22 E	2*	16*
9 8	12 4.42	+ 0 5.3	3.965	3.006	5.1	21.1	15 E	—	9*
9 18	12 17.85	− 1 12.6	3.979	2.992	3.1	21.0	9 E	—	3*
9 28	12 31.51	− 2 31.3	3.976	2.976	1.1	20.8	3 E	—	—
10 8	12 45.35	− 3 50.1	3.957	2.960	1.0	20.8	3 W	—	—
10 18	12 59.37	− 5 8.2	3.922	2.943	3.1	20.9	9 W	3*	—
10 28	13 13.52	− 6 25.0	3.870	2.925	5.2	21.0	15 W	8*	3*
11 7	13 27.77	− 7 39.5	3.803	2.905	7.2	21.0	22 W	14*	8*
11 17	13 42.08	− 8 51.1	3.721	2.885	9.3	21.1	28 W	19*	13*
11 27	13 56.39	− 9 58.8	3.624	2.864	11.2	21.1	34 W	23*	18*
12 7	14 10.64	−11 1.9	3.513	2.842	13.1	21.1	41 W	26*	24*
12 17	14 24.76	−11 59.6	3.390	2.819	14.9	21.0	47 W	28*	31*
12 27	14 38.64	−12 51.0	3.256	2.796	16.6	21.0	54 W	30*	38*
1 6	14 52.17	−13 35.5	3.112	2.771	18.1	20.9	61 W	31*	46*
1 16	15 5.22	−14 12.4	2.959	2.746	19.4	20.8	68 W	31*	54*