215442 2002 MQ_3

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 22.33	−26 24.9	2.051	1.120	12.0	21.0	14 E	—	7*
1 6	19 58.54	−27 15.3	2.034	1.094	11.2	20.9	12 E	—	6*
1 16	20 36.21	−27 30.9	2.004	1.063	11.3	20.8	12 E	—	6*
1 26	21 15.34	−27 8.1	1.963	1.026	12.2	20.8	13 E	—	6*
2 5	21 55.89	−26 1.8	1.912	0.984	14.0	20.7	14 E	—	7*
2 15	22 37.77	−24 6.3	1.854	0.939	16.2	20.6	15 E	—	8*
2 25	23 20.77	−21 15.6	1.790	0.889	18.8	20.5	17 E	—	10*
3 2	23 42.61	−19 27.8	1.757	0.864	20.1	20.4	17 E	—	11*
3 7	0 4.65	−17 24.2	1.724	0.838	21.5	20.3	18 E	—	11*
3 12	0 26.84	−15 4.4	1.691	0.813	22.9	20.3	19 E	—	12*
3 17	0 49.17	−12 28.4	1.658	0.788	24.3	20.2	19 E	—	13*
3 27	1 34.10	− 6 28.6	1.596	0.740	27.3	20.1	20 E	—	14*
4 6	2 19.32	+ 0 28.3	1.540	0.701	30.4	20.0	21 E	4*	14*
4 16	3 4.98	+ 8 6.7	1.490	0.674	33.9	19.9	22 E	8*	14*
4 21	3 28.08	+12 4.1	1.467	0.666	35.8	19.9	23 E	10*	14*
4 26	3 51.47	+16 1.9	1.445	0.663	37.8	19.9	24 E	12*	14*
5 1	4 15.28	+19 56.1	1.424	0.665	39.8	20.0	25 E	15*	13*
5 6	4 39.65	+23 42.5	1.404	0.671	41.8	20.0	26 E	17*	12*
5 11	5 4.77	+27 16.7	1.385	0.681	43.8	20.1	28 E	19*	12*
5 16	5 30.78	+30 34.6	1.366	0.695	45.6	20.1	29 E	21*	11*
5 21	5 57.82	+33 32.3	1.348	0.712	47.4	20.2	31 E	23*	11*
5 26	6 25.99	+36 6.1	1.331	0.732	48.9	20.3	33 E	25*	11*
5 31	6 55.27	+38 12.7	1.315	0.755	50.2	20.3	35 E	27*	11*
6 5	7 25.56	+39 49.2	1.299	0.778	51.3	20.4	37 E	29*	11*
6 10	7 56.61	+40 53.3	1.285	0.803	52.2	20.5	39 E	31*	11*
6 15	8 28.04	+41 23.7	1.271	0.829	52.9	20.6	41 E	32*	12*
6 20	8 59.37	+41 19.9	1.260	0.854	53.4	20.6	42 E	34*	14*
6 25	9 30.11	+40 43.0	1.250	0.880	53.7	20.7	44 E	35*	15*
6 30	9 59.83	+39 34.6	1.242	0.905	53.8	20.7	46 E	36*	17*
7 5	10 28.20	+37 57.7	1.237	0.930	53.7	20.8	47 E	37*	19*
7 10	10 55.01	+35 55.5	1.234	0.953	53.6	20.8	49 E	38*	21*
7 15	11 20.18	+33 32.0	1.234	0.976	53.2	20.9	50 E	38*	24*
7 20	11 43.71	+30 51.0	1.236	0.998	52.8	20.9	51 E	38*	26*
7 25	12 5.69	+27 56.3	1.242	1.019	52.3	20.9	52 E	37*	29*
7 30	12 26.24	+24 51.5	1.251	1.038	51.6	21.0	53 E	37*	31*
8 4	12 45.54	+21 39.7	1.262	1.056	51.0	21.0	54 E	36*	34*
8 9	13 3.74	+18 23.7	1.277	1.073	50.2	21.1	54 E	35*	36*
8 14	13 20.99	+15 6.3	1.294	1.089	49.4	21.1	55 E	33*	38*
8 19	13 37.45	+11 49.5	1.314	1.103	48.5	21.1	55 E	32*	40*
8 24	13 53.24	+ 8 35.1	1.336	1.116	47.7	21.2	55 E	30*	41*
8 29	14 8.48	+ 5 24.5	1.360	1.127	46.8	21.2	54 E	29*	42*
9 3	14 23.29	+ 2 18.9	1.386	1.137	45.8	21.2	54 E	27*	43*
9 8	14 37.78	− 0 41.0	1.413	1.145	44.9	21.3	53 E	26*	43*
9 13	14 52.02	− 3 34.4	1.441	1.152	43.9	21.3	53 E	24*	43*
9 18	15 6.10	− 6 21.0	1.470	1.157	43.0	21.3	52 E	22*	43*
9 23	15 20.08	− 9 0.3	1.498	1.161	42.0	21.3	51 E	21*	43*
9 28	15 34.03	−11 32.4	1.527	1.163	41.0	21.4	50 E	19*	42*
10 3	15 48.03	−13 57.1	1.555	1.164	40.1	21.4	48 E	18*	41*
10 8	16 2.12	−16 14.4	1.582	1.164	39.1	21.4	47 E	16*	40*
10 13	16 16.37	−18 24.3	1.607	1.162	38.1	21.4	46 E	15*	39*
10 18	16 30.81	−20 26.7	1.631	1.158	37.2	21.4	45 E	13*	38*
10 23	16 45.49	−22 21.8	1.653	1.153	36.3	21.4	43 E	12*	37*
10 28	17 0.47	−24 9.5	1.673	1.146	35.4	21.4	42 E	11*	36*
11 2	17 15.79	−25 49.8	1.690	1.138	34.6	21.4	41 E	10*	34*
11 7	17 31.49	−27 22.5	1.704	1.129	33.8	21.3	39 E	8*	33*
11 12	17 47.61	−28 47.6	1.715	1.118	33.1	21.3	38 E	7*	32*
11 17	18 4.18	−30 4.8	1.723	1.105	32.5	21.3	37 E	6*	31*
11 22	18 21.23	−31 13.8	1.728	1.091	31.9	21.2	36 E	6*	30*
11 27	18 38.79	−32 14.3	1.729	1.076	31.5	21.2	35 E	5*	29*
12 2	18 56.90	−33 5.7	1.726	1.059	31.2	21.1	34 E	4*	28*
12 7	19 15.56	−33 47.5	1.719	1.041	31.0	21.1	33 E	3*	27*
12 12	19 34.79	−34 19.1	1.709	1.022	31.0	21.0	32 E	3*	26*
12 17	19 54.56	−34 39.6	1.694	1.002	31.1	21.0	32 E	2*	26*
12 22	20 14.88	−34 48.2	1.676	0.980	31.5	20.9	31 E	2*	25*
12 27	20 35.71	−34 43.8	1.653	0.957	32.1	20.9	31 E	2*	25*
1 1	20 57.01	−34 25.3	1.627	0.934	32.9	20.8	31 E	2*	25*
1 6	21 18.74	−33 51.5	1.597	0.909	33.9	20.7	31 E	2*	25*
1 11	21 40.82	−33 0.9	1.563	0.884	35.3	20.7	31 E	3*	25*
1 16	22 3.14	−31 52.1	1.525	0.859	36.9	20.6	32 E	4*	25*
1 21	22 25.63	−30 23.7	1.485	0.833	38.7	20.5	32 E	4*	26*

242196 2003 PT_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 22.45	−12 50.5	3.055	2.138	7.9	20.5	17 E	11*	1*
1 6	19 44.11	−12 53.1	3.046	2.099	6.0	20.4	13 E	7*	—
1 16	20 6.29	−12 43.5	3.026	2.061	4.3	20.3	9 E	3*	—
1 26	20 28.92	−12 22.2	2.997	2.022	3.2	20.1	6 W	—	—
2 5	20 51.93	−11 49.7	2.959	1.984	3.4	20.1	7 W	1*	—
2 15	21 15.31	−11 6.7	2.913	1.946	4.8	20.1	10 W	2*	2*
2 25	21 39.03	−10 14.3	2.859	1.909	6.8	20.1	13 W	2*	6*
3 7	22 3.08	− 9 13.5	2.799	1.872	8.9	20.1	17 W	3*	11*

242196 2003 PT_9 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	22 27.48	− 8 5.6	2.733	1.837	11.1	20.1	21 W	3*	15*
3 27	22 52.24	− 6 52.1	2.662	1.802	13.3	20.1	24 W	3*	18*
4 6	23 17.41	− 5 34.5	2.588	1.769	15.5	20.1	28 W	3*	22*
4 16	23 43.02	− 4 14.5	2.512	1.738	17.6	20.0	32 W	3*	26*
4 26	0 9.12	− 2 54.1	2.434	1.709	19.7	20.0	35 W	4*	29*
5 6	0 35.74	− 1 35.2	2.356	1.682	21.7	19.9	38 W	4*	32*
5 16	1 2.91	− 0 20.1	2.279	1.657	23.7	19.9	41 W	5*	35*
5 26	1 30.61	+ 0 48.9	2.205	1.635	25.5	19.9	44 W	6*	38*
6 5	1 58.82	+ 1 49.5	2.133	1.617	27.2	19.8	47 W	7*	41*
6 15	2 27.45	+ 2 39.6	2.064	1.601	28.8	19.8	49 W	9*	43*
6 25	2 56.38	+ 3 17.0	2.000	1.589	30.2	19.7	52 W	12*	45*
7 5	3 25.45	+ 3 40.0	1.940	1.581	31.5	19.7	54 W	15*	47*
7 15	3 54.44	+ 3 47.4	1.885	1.576	32.6	19.6	57 W	18*	48*
7 25	4 23.10	+ 3 38.5	1.833	1.576	33.6	19.6	59 W	22*	49*
8 4	4 51.17	+ 3 13.4	1.785	1.579	34.4	19.6	62 W	25*	51*
8 14	5 18.40	+ 2 32.7	1.739	1.586	35.1	19.5	64 W	29*	52*
8 24	5 44.49	+ 1 37.8	1.696	1.596	35.6	19.5	67 W	32*	54*
9 3	6 9.25	+ 0 30.7	1.653	1.611	36.0	19.5	70 W	35*	55*
9 13	6 32.42	− 0 46.6	1.609	1.628	36.2	19.5	73 W	37*	57*
9 23	6 53.79	− 2 11.2	1.564	1.649	36.3	19.4	76 W	39*	59*
10 3	7 13.17	− 3 40.4	1.517	1.672	36.2	19.4	80 W	40*	62*
10 13	7 30.31	− 5 11.1	1.467	1.699	35.8	19.3	85 W	40*	65*
10 23	7 44.96	− 6 39.4	1.414	1.727	35.2	19.3	90 W	38	68*
11 2	7 56.86	− 8 1.4	1.359	1.758	34.2	19.2	96 W	37	71*
11 7	8 1.66	− 8 38.5	1.330	1.774	33.5	19.2	99 W	36	72*
11 12	8 5.64	− 9 12.0	1.302	1.790	32.8	19.1	102 W	36	73*
11 17	8 8.77	− 9 41.1	1.273	1.807	31.9	19.1	105 W	35	74
11 22	8 11.00	−10 4.9	1.245	1.824	30.8	19.0	109 W	35	74
11 27	8 12.30	−10 22.4	1.217	1.841	29.6	18.9	113 W	35	74
12 2	8 12.64	−10 32.7	1.191	1.859	28.2	18.9	117 W	34	75
12 7	8 12.00	−10 34.6	1.166	1.877	26.7	18.8	121 W	34	75
12 12	8 10.40	−10 27.0	1.143	1.895	24.9	18.7	126 W	35	74
12 17	8 7.89	−10 8.8	1.123	1.914	23.1	18.7	130 W	35	74
12 22	8 4.53	− 9 39.3	1.107	1.932	21.1	18.6	135 W	35	74
12 27	8 0.42	− 8 58.1	1.094	1.951	19.0	18.5	140 W	36	73
1 1	7 55.71	− 8 4.8	1.086	1.970	16.9	18.4	144 W	37	72
1 6	7 50.56	− 6 59.9	1.083	1.989	15.0	18.4	149 W	38	71
1 11	7 45.19	− 5 44.2	1.086	2.008	13.3	18.4	152 W	39	70
1 16	7 39.82	− 4 19.3	1.094	2.027	12.0	18.4	155 E	41	68
1 21	7 34.64	− 2 47.3	1.110	2.046	11.5	18.4	155 E	42	67

414032 2007 PJ_{34}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 22.52	−22 52.4	2.618	1.678	7.9	21.3	14 E	3*	6*
1 6	19 52.31	−22 7.9	2.625	1.667	6.1	21.2	10 E	1*	3*
1 16	20 22.00	−21 3.0	2.630	1.658	4.3	21.1	7 E	—	—
1 26	20 51.40	−19 39.1	2.632	1.652	2.6	21.0	4 E	—	—
2 5	21 20.36	−17 58.2	2.634	1.650	1.5	20.9	2 E	—	—
2 15	21 48.77	−16 2.6	2.634	1.650	2.1	20.9	3 W	—	—
2 25	22 16.57	−13 55.0	2.633	1.652	3.6	21.0	6 W	—	—
3 7	22 43.73	−11 38.3	2.631	1.658	5.3	21.1	9 W	—	3*
3 17	23 10.28	− 9 15.2	2.627	1.667	7.1	21.2	12 W	—	6*
3 27	23 36.21	− 6 48.6	2.622	1.678	8.8	21.3	15 W	—	9*
4 6	0 1.59	− 4 21.2	2.615	1.692	10.5	21.4	18 W	—	12*
4 16	0 26.46	− 1 55.2	2.606	1.708	12.2	21.5	21 W	—	15*

1620 Geographos

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 22.68	−25 51.1	1.828	0.903	14.9	17.2	14 E	1*	7*
1 1	19 47.43	−24 22.5	1.846	0.925	15.1	17.3	14 E	2*	7*
1 6	20 11.03	−22 41.4	1.866	0.948	15.2	17.4	15 E	3*	7*
1 11	20 33.48	−20 50.5	1.889	0.972	15.1	17.5	15 E	5*	7*
1 16	20 54.81	−18 52.0	1.914	0.998	14.9	17.5	15 E	5*	6*
1 21	21 15.09	−16 48.0	1.941	1.024	14.6	17.6	15 E	6*	6*
1 26	21 34.39	−14 40.5	1.969	1.051	14.2	17.7	15 E	7*	5*
1 31	21 52.80	−12 30.9	1.999	1.078	13.7	17.8	15 E	7*	4*
2 5	22 10.42	−10 20.5	2.030	1.106	13.2	17.8	15 E	7*	4*
2 10	22 27.32	− 8 10.3	2.062	1.133	12.5	17.9	14 E	8*	3*
2 15	22 43.59	− 6 1.0	2.094	1.160	11.9	17.9	14 E	7*	2*
2 25	23 14.54	− 1 48.0	2.159	1.214	10.4	18.1	13 E	7*	—
3 7	23 43.80	+ 2 14.8	2.223	1.266	8.9	18.2	11 E	5*	—
3 17	0 11.82	+ 6 5.4	2.285	1.316	7.4	18.2	10 E	4*	—
3 27	0 38.97	+ 9 42.4	2.342	1.362	6.0	18.3	8 E	2*	—
4 6	1 5.54	+13 5.0	2.395	1.406	4.9	18.4	7 E	—	—
4 16	1 31.77	+16 12.9	2.440	1.447	4.4	18.4	6 W	—	—
4 26	1 57.86	+19 5.4	2.479	1.484	4.6	18.5	7 W	1*	—
5 6	2 23.94	+21 42.4	2.509	1.518	5.6	18.7	8 W	2*	—
5 16	2 50.16	+24 3.5	2.531	1.549	7.0	18.8	11 W	4*	—
5 26	3 16.57	+26 8.2	2.543	1.575	8.6	18.9	13 W	6*	3*
6 5	3 43.24	+27 56.1	2.546	1.599	10.3	19.0	16 W	8*	5*
6 15	4 10.17	+29 26.9	2.540	1.618	12.1	19.1	20 W	11*	7*
6 25	4 37.33	+30 40.2	2.523	1.635	14.0	19.2	23 W	14*	9*
7 5	5 4.69	+31 35.8	2.497	1.647	15.8	19.2	26 W	17*	10*

1620 Geographos *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 15	5 32.18	+32 13.5	2.461	1.656	17.7	19.3	30 W	21*	12*
7 25	5 59.70	+32 33.2	2.416	1.662	19.6	19.3	33 W	25*	13*
8 4	6 27.15	+32 35.2	2.361	1.663	21.4	19.3	37 W	29*	14*
8 14	6 54.43	+32 19.8	2.297	1.662	23.3	19.3	40 W	33*	15*
8 24	7 21.45	+31 47.3	2.224	1.656	25.2	19.3	44 W	37*	16*
9 3	7 48.13	+30 58.3	2.144	1.647	27.0	19.3	48 W	41*	17*
9 13	8 14.43	+29 53.4	2.056	1.635	28.9	19.2	52 W	45*	18*
9 23	8 40.30	+28 33.2	1.961	1.619	30.7	19.1	55 W	48*	19*
10 3	9 5.76	+26 58.2	1.860	1.599	32.5	19.0	59 W	52*	21*
10 13	9 30.85	+25 8.6	1.753	1.576	34.4	18.9	63 W	55*	23*
10 23	9 55.61	+23 4.6	1.642	1.549	36.2	18.8	67 W	58*	25*
11 2	10 20.18	+20 45.6	1.528	1.519	38.0	18.7	70 W	60*	28*
11 12	10 44.69	+18 10.9	1.412	1.485	39.9	18.5	74 W	60*	31*
11 22	11 9.32	+15 18.5	1.295	1.447	41.8	18.3	77 W	60*	35*
11 27	11 21.78	+13 44.9	1.237	1.428	42.7	18.2	79 W	58*	37*
12 2	11 34.38	+12 5.7	1.179	1.407	43.7	18.1	81 W	57*	39*
12 7	11 47.18	+10 20.5	1.122	1.385	44.8	18.0	82 W	55	42*
12 12	12 0.22	+ 8 28.5	1.065	1.363	45.8	17.9	83 W	53	44*
12 17	12 13.60	+ 6 29.0	1.009	1.340	47.0	17.7	84 W	51	47*
12 22	12 27.39	+ 4 21.0	0.955	1.316	48.2	17.6	86 W	49	50*
12 27	12 41.72	+ 2 3.5	0.902	1.292	49.4	17.5	86 W	47	53*
1 1	12 56.69	− 0 24.3	0.851	1.267	50.8	17.3	87 W	45	56*
1 6	13 12.47	− 3 3.7	0.802	1.241	52.3	17.2	87 W	42	60*
1 11	13 29.24	− 5 55.3	0.756	1.215	54.0	17.1	88 W	39	63*
1 16	13 47.25	− 9 0.0	0.713	1.188	55.8	17.0	87 W	36	66*
1 21	14 6.77	−12 17.7	0.673	1.161	57.8	16.8	87 W	33	69*

24495 Degroff

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 23.07	−35 14.3	2.796	1.882	9.1	19.1	18 E	—	11*
1 6	19 52.17	−35 11.8	2.853	1.927	8.1	19.2	16 E	—	9*
1 16	20 20.52	−34 51.0	2.904	1.972	7.6	19.2	15 E	—	6*
1 26	20 47.96	−34 14.7	2.946	2.017	7.6	19.3	16 E	—	4*
2 5	21 14.39	−33 25.8	2.980	2.061	8.2	19.4	17 E	—	3*
2 15	21 39.78	−32 27.1	3.006	2.104	9.2	19.5	20 W	—	6*
2 25	22 4.09	−31 21.4	3.022	2.147	10.4	19.6	23 W	—	10*
3 7	22 27.34	−30 11.4	3.030	2.189	11.8	19.7	27 W	—	14*
3 17	22 49.57	−28 59.5	3.028	2.231	13.2	19.8	31 W	—	18*
3 27	23 10.80	−27 48.0	3.016	2.271	14.6	19.9	35 W	—	22*
4 6	23 31.08	−26 39.1	2.996	2.311	15.9	20.0	39 W	—	27*
4 16	23 50.45	−25 34.6	2.966	2.349	17.2	20.0	44 W	—	32*
4 26	0 8.89	−24 36.6	2.928	2.386	18.5	20.1	49 W	—	37*
5 6	0 26.44	−23 46.5	2.881	2.423	19.6	20.1	54 W	—	43*
5 16	0 43.06	−23 6.2	2.825	2.458	20.6	20.1	59 W	—	49*
5 26	0 58.70	−22 37.1	2.763	2.492	21.4	20.1	64 W	—	55*
6 5	1 13.31	−22 20.7	2.693	2.525	22.1	20.1	70 W	—	62*
6 15	1 26.78	−22 18.4	2.618	2.557	22.6	20.1	75 W	1*	68*
6 25	1 38.96	−22 31.3	2.539	2.587	22.8	20.1	81 W	5*	75*
7 5	1 49.68	−23 0.4	2.457	2.617	22.8	20.0	87 W	9*	81*
7 15	1 58.71	−23 46.3	2.374	2.645	22.5	20.0	94 W	13*	87*
7 25	2 5.76	−24 48.9	2.292	2.672	21.9	19.9	101 W	16*	89
8 4	2 10.56	−26 7.1	2.213	2.697	21.0	19.8	107 W	17*	90
8 14	2 12.74	−27 38.5	2.141	2.722	19.8	19.7	114 W	17*	88
8 19	2 12.74	−28 27.8	2.109	2.734	19.1	19.7	118 W	17	88
8 24	2 11.99	−29 18.5	2.080	2.745	18.3	19.6	121 W	16	87
8 29	2 10.45	−30 9.8	2.054	2.756	17.5	19.6	125 W	15	86
9 3	2 8.11	−31 0.5	2.031	2.767	16.7	19.5	128 W	14	85
9 8	2 4.98	−31 49.6	2.013	2.778	15.9	19.5	131 W	13	84
9 13	2 1.07	−32 35.7	1.999	2.788	15.2	19.5	133 W	12	83
9 18	1 56.46	−33 17.3	1.991	2.798	14.6	19.4	136 W	12	83
9 23	1 51.21	−33 53.3	1.987	2.808	14.0	19.4	137 W	11	82
9 28	1 45.43	−34 22.6	1.989	2.817	13.7	19.4	138 W	11	82
10 3	1 39.25	−34 43.9	1.997	2.826	13.5	19.4	139 W	10	81
10 8	1 32.83	−34 56.5	2.010	2.835	13.6	19.5	138 W	10	81
10 13	1 26.32	−34 59.9	2.029	2.843	13.8	19.5	137 W	10	81
10 18	1 19.89	−34 53.9	2.054	2.851	14.2	19.5	136 E	10	81
10 23	1 13.72	−34 38.6	2.084	2.859	14.7	19.6	133 E	10	81
10 28	1 7.92	−34 14.5	2.119	2.867	15.3	19.7	131 E	11	82
11 2	1 2.62	−33 42.2	2.160	2.874	15.9	19.7	128 E	11	82
11 7	0 57.90	−33 2.4	2.205	2.881	16.5	19.8	124 E	12	83
11 12	0 53.85	−32 16.0	2.254	2.887	17.2	19.9	121 E	13	84
11 17	0 50.50	−31 23.9	2.308	2.894	17.7	19.9	117 E	14	85
11 22	0 47.85	−30 27.1	2.364	2.900	18.2	20.0	113 E	15	86
11 27	0 45.91	−29 26.3	2.424	2.905	18.7	20.1	109 E	16	87
12 2	0 44.65	−28 22.5	2.486	2.911	19.0	20.2	106 E	17	88
12 12	0 44.10	−26 7.9	2.617	2.920	19.5	20.3	98 E	19	90
12 22	0 45.88	−23 47.9	2.753	2.929	19.6	20.4	90 E	21	82*
1 1	0 49.69	−21 25.8	2.891	2.936	19.4	20.5	83 E	24	73*
1 11	0 55.20	−19 3.6	3.028	2.942	18.9	20.6	76 E	26	64*
1 21	1 2.15	−16 42.9	3.161	2.947	18.1	20.7	69 E	28*	56*

417204 2005 XS_{39}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 23.47	−19 45.4	3.816	2.873	4.9	21.4	14 E	6*	5*
1 6	19 39.57	−18 51.0	3.882	2.913	2.8	21.4	8 E	2*	—
1 16	19 55.24	−17 51.6	3.933	2.951	1.1	21.3	3 E	—	—
1 26	20 10.44	−16 47.5	3.967	2.989	1.9	21.4	6 W	—	—
2 5	20 25.09	−15 39.3	3.984	3.026	3.8	21.6	12 W	2*	4*

316876 2000 RF_{43}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 23.50	−14 39.6	3.575	2.648	6.1	20.9	17 E	10*	2*
1 6	19 41.17	−14 4.6	3.555	2.599	4.4	20.7	12 E	6*	—
1 16	19 59.28	−13 19.9	3.520	2.550	3.0	20.6	8 E	1*	—
1 26	20 17.75	−12 25.3	3.473	2.500	2.9	20.5	7 W	1*	—
2 5	20 36.52	−11 21.1	3.414	2.451	4.1	20.5	10 W	4*	—
2 15	20 55.56	−10 7.3	3.344	2.401	5.9	20.5	15 W	6*	6*
2 25	21 14.81	− 8 44.3	3.264	2.351	7.9	20.5	19 W	8*	11*
3 7	21 34.28	− 7 12.7	3.175	2.302	10.0	20.5	24 W	9*	16*
3 17	21 53.95	− 5 32.9	3.078	2.253	12.1	20.4	28 W	11*	21*
3 27	22 13.83	− 3 45.7	2.974	2.204	14.2	20.4	33 W	12*	26*
4 6	22 33.95	− 1 52.0	2.866	2.155	16.3	20.3	37 W	14*	30*
4 16	22 54.34	+ 0 7.2	2.753	2.108	18.4	20.3	41 W	15*	34*
4 26	23 15.04	+ 2 10.8	2.637	2.061	20.4	20.2	46 W	17*	38*
5 6	23 36.11	+ 4 17.5	2.520	2.016	22.4	20.1	49 W	19*	41*
5 16	23 57.61	+ 6 25.7	2.402	1.972	24.3	20.0	53 W	21*	44*
5 26	0 19.60	+ 8 33.7	2.285	1.930	26.1	19.9	57 W	24*	46*
6 5	0 42.13	+10 39.4	2.169	1.890	27.9	19.8	61 W	27*	47*
6 15	1 5.25	+12 40.7	2.055	1.852	29.6	19.7	64 W	30*	47*
6 25	1 28.98	+14 34.8	1.944	1.817	31.1	19.6	67 W	35*	47*
7 5	1 53.31	+16 19.1	1.836	1.784	32.6	19.5	71 W	40*	47*
7 10	2 5.69	+17 6.7	1.784	1.769	33.2	19.4	73 W	42*	46*
7 15	2 18.18	+17 50.6	1.733	1.755	33.9	19.3	74 W	45*	46*
7 20	2 30.77	+18 30.6	1.682	1.742	34.5	19.3	76 W	47*	45*
7 25	2 43.44	+19 6.2	1.633	1.730	35.0	19.2	78 W	50*	45*
7 30	2 56.16	+19 37.2	1.585	1.719	35.5	19.1	79 W	52*	44*
8 4	3 8.91	+20 3.2	1.537	1.708	35.9	19.1	81 W	54*	44*
8 9	3 21.62	+20 23.9	1.491	1.699	36.3	19.0	83 W	56*	44*
8 14	3 34.26	+20 39.0	1.446	1.691	36.6	18.9	85 W	58*	43
8 19	3 46.78	+20 48.2	1.403	1.684	36.9	18.9	87 W	60*	43
8 24	3 59.12	+20 51.5	1.360	1.678	37.0	18.8	89 W	62*	43
8 29	4 11.23	+20 48.7	1.318	1.673	37.1	18.7	91 W	63*	43
9 3	4 23.03	+20 39.8	1.278	1.669	37.1	18.6	93 W	64*	43
9 13	4 45.41	+20 3.5	1.201	1.666	36.8	18.5	98 W	65*	44
9 23	5 5.69	+19 3.8	1.128	1.667	36.0	18.3	103 W	64	45
10 3	5 23.28	+17 42.7	1.061	1.673	34.6	18.2	108 W	63	46
10 13	5 37.52	+16 3.5	1.000	1.683	32.6	18.0	115 W	61	48
10 23	5 47.90	+14 11.0	0.947	1.698	29.8	17.8	122 W	59	50
10 28	5 51.50	+13 11.6	0.923	1.707	28.1	17.7	126 W	58	51
11 2	5 53.99	+12 11.2	0.902	1.718	26.3	17.6	130 W	57	52
11 7	5 55.35	+11 10.9	0.884	1.729	24.2	17.6	134 W	56	53
11 12	5 55.60	+10 11.9	0.869	1.741	22.0	17.5	139 W	55	54
11 17	5 54.81	+ 9 15.4	0.858	1.754	19.6	17.4	143 W	54	55
11 22	5 53.06	+ 8 22.6	0.851	1.768	17.2	17.3	148 W	53	56
11 27	5 50.48	+ 7 34.8	0.849	1.783	14.9	17.2	152 W	53	56
12 2	5 47.22	+ 6 53.1	0.851	1.799	12.6	17.2	156 W	52	57
12 7	5 43.50	+ 6 18.5	0.858	1.815	10.8	17.1	160 W	51	58
12 12	5 39.53	+ 5 51.8	0.871	1.833	9.6	17.1	162 W	51	58
12 22	5 31.79	+ 5 23.0	0.912	1.869	10.0	17.3	161 E	50	59
1 1	5 25.56	+ 5 25.3	0.975	1.908	13.0	17.6	154 E	50	59
1 11	5 21.96	+ 5 53.7	1.057	1.949	16.6	18.0	146 E	51	58
1 21	5 21.52	+ 6 40.3	1.158	1.992	19.8	18.3	137 E	52	57

467984 2012 RM_{42}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 23.91	−23 23.9	2.504	1.567	8.6	20.6	14 E	3*	6*
1 6	19 56.33	−22 34.1	2.496	1.544	7.1	20.5	11 E	1*	4*
1 16	20 28.89	−21 19.2	2.490	1.526	5.7	20.4	9 E	—	2*
1 26	21 1.28	−19 40.6	2.486	1.513	4.3	20.3	7 E	—	—
2 5	21 33.25	−17 40.8	2.485	1.505	3.2	20.2	5 E	—	—
2 15	22 4.62	−15 22.8	2.488	1.503	2.4	20.1	4 E	—	—
2 25	22 35.27	−12 50.7	2.493	1.507	2.4	20.1	4 E	—	—
3 7	23 5.13	−10 8.4	2.503	1.516	3.2	20.2	5 W	—	—
3 17	23 34.20	− 7 20.0	2.515	1.531	4.3	20.3	7 W	—	—
3 27	0 2.48	− 4 29.8	2.530	1.551	5.6	20.4	9 W	—	2*
4 6	0 30.02	− 1 41.3	2.546	1.575	6.9	20.5	11 W	—	4*
4 16	0 56.86	+ 1 2.4	2.564	1.604	8.3	20.6	13 W	—	7*
4 26	1 23.05	+ 3 38.3	2.581	1.636	9.7	20.8	16 W	—	10*
5 6	1 48.61	+ 6 4.5	2.597	1.673	11.1	20.9	19 W	—	12*
5 16	2 13.58	+ 8 19.1	2.611	1.712	12.5	21.0	22 W	—	16*
5 26	2 37.94	+10 21.0	2.621	1.754	14.0	21.1	25 W	1*	19*
6 5	3 1.69	+12 9.4	2.627	1.797	15.5	21.2	28 W	3*	22*
6 15	3 24.79	+13 44.1	2.627	1.843	16.9	21.3	32 W	7*	25*
6 25	3 47.16	+15 4.9	2.620	1.890	18.3	21.4	36 W	11*	28*

237486 2000 KM_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 23.97	−10 17.4	2.484	1.591	11.9	19.8	19 E	13*	—
1 6	19 53.91	−10 18.6	2.501	1.583	10.2	19.7	16 E	10*	—
1 16	20 23.82	−10 2.7	2.519	1.579	8.4	19.7	13 E	7*	—
1 26	20 53.52	− 9 31.1	2.536	1.578	6.5	19.6	10 E	4*	—
2 5	21 22.88	− 8 45.7	2.553	1.581	4.7	19.5	8 E	1*	—
2 15	21 51.82	− 7 48.7	2.569	1.587	3.1	19.5	5 W	—	—
2 25	22 20.25	− 6 42.6	2.583	1.597	2.4	19.4	4 W	—	—
3 7	22 48.14	− 5 29.8	2.596	1.610	3.3	19.5	5 W	—	—
3 17	23 15.51	− 4 12.9	2.605	1.627	5.0	19.7	8 W	—	2*
3 27	23 42.34	− 2 54.4	2.611	1.646	6.9	19.8	11 W	—	5*
4 6	0 8.65	− 1 36.6	2.614	1.668	8.9	19.9	15 W	—	9*
4 16	0 34.48	− 0 21.8	2.613	1.692	10.9	20.0	19 W	—	12*
4 26	0 59.82	+ 0 47.9	2.607	1.718	12.8	20.1	22 W	—	16*
5 6	1 24.69	+ 1 50.7	2.597	1.747	14.6	20.2	26 W	—	20*
5 16	1 49.10	+ 2 44.9	2.583	1.777	16.4	20.3	30 W	—	24*
5 26	2 13.00	+ 3 29.0	2.563	1.808	18.1	20.4	34 W	—	28*
6 5	2 36.36	+ 4 1.7	2.538	1.841	19.6	20.4	38 W	2*	32*
6 15	2 59.15	+ 4 21.9	2.508	1.875	21.1	20.5	42 W	5*	36*
6 25	3 21.25	+ 4 28.7	2.472	1.910	22.5	20.5	46 W	8*	39*
7 5	3 42.61	+ 4 21.6	2.432	1.945	23.7	20.6	50 W	12*	43*
7 15	4 3.10	+ 4 0.0	2.386	1.980	24.8	20.6	55 W	17*	46*
7 25	4 22.59	+ 3 23.6	2.334	2.016	25.7	20.6	59 W	22*	50*
8 4	4 40.96	+ 2 32.7	2.279	2.052	26.4	20.6	64 W	27*	53*
8 14	4 58.02	+ 1 27.1	2.218	2.088	27.0	20.6	69 W	31*	56*
8 24	5 13.59	+ 0 7.5	2.154	2.124	27.3	20.6	75 W	35*	59*
9 3	5 27.47	− 1 25.3	2.086	2.160	27.4	20.6	80 W	38*	62*
9 13	5 39.42	− 3 10.3	2.016	2.195	27.2	20.5	86 W	40*	66*
9 23	5 49.17	− 5 5.7	1.946	2.230	26.7	20.5	93 W	40*	69*
10 3	5 56.45	− 7 9.1	1.877	2.264	25.9	20.4	99 W	38	71
10 13	6 0.93	− 9 16.9	1.811	2.298	24.6	20.3	106 W	36	73
10 18	6 2.04	−10 20.9	1.780	2.315	23.9	20.3	110 W	35	74
10 23	6 2.37	−11 24.0	1.751	2.331	23.1	20.3	113 W	34	75
10 28	6 1.89	−12 25.4	1.725	2.348	22.2	20.2	117 W	33	76
11 2	6 0.60	−13 23.9	1.701	2.364	21.2	20.2	120 W	32	77
11 7	5 58.51	−14 18.6	1.680	2.380	20.2	20.1	124 W	31	78
11 12	5 55.63	−15 8.1	1.663	2.396	19.2	20.1	127 W	30	79
11 17	5 52.05	−15 51.4	1.649	2.412	18.2	20.0	130 W	29	80
11 22	5 47.83	−16 27.3	1.640	2.427	17.2	20.0	133 W	29	80
11 27	5 43.07	−16 54.9	1.636	2.442	16.4	20.0	136 W	28	81
12 2	5 37.90	−17 13.3	1.637	2.458	15.7	20.0	138 W	28	81
12 7	5 32.46	−17 21.8	1.643	2.472	15.2	20.0	139 W	28	81
12 12	5 26.92	−17 20.2	1.655	2.487	14.9	20.0	140 W	28	81
12 17	5 21.43	−17 8.5	1.672	2.502	14.9	20.0	139 E	28	81
12 22	5 16.17	−16 47.1	1.694	2.516	15.1	20.1	138 E	28	81
12 27	5 11.25	−16 16.8	1.722	2.530	15.5	20.1	137 E	29	80
1 1	5 6.80	−15 38.3	1.756	2.544	16.0	20.2	135 E	29	80
1 6	5 2.92	−14 52.7	1.794	2.557	16.6	20.3	132 E	30	79
1 11	4 59.68	−14 1.2	1.837	2.571	17.3	20.4	129 E	31	78
1 16	4 57.13	−13 4.9	1.885	2.584	18.0	20.5	126 E	32	77
1 21	4 55.29	−12 5.0	1.937	2.597	18.7	20.6	122 E	33	76

378532 2008 AP_{28}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 24.28	−12 16.0	2.673	1.766	10.0	20.5	18 E	12*	1*
1 6	19 50.49	−12 31.1	2.654	1.718	8.1	20.4	14 E	8*	—
1 16	20 17.56	−12 30.9	2.629	1.672	6.2	20.2	11 E	5*	—
1 26	20 45.39	−12 15.3	2.600	1.628	4.3	20.0	7 E	1*	—
2 5	21 13.92	−11 44.8	2.567	1.586	2.6	19.8	4 W	—	—
2 15	21 43.10	−11 0.2	2.531	1.546	2.0	19.7	3 W	—	—
2 25	22 12.87	−10 2.5	2.494	1.510	3.2	19.7	5 W	—	—
3 7	22 43.18	− 8 53.2	2.456	1.478	5.0	19.7	7 W	—	1*
3 17	23 14.01	− 7 34.0	2.418	1.450	6.9	19.7	10 W	—	4*
3 27	23 45.30	− 6 7.1	2.383	1.427	8.9	19.8	13 W	—	6*
4 6	0 17.02	− 4 34.9	2.350	1.409	10.7	19.8	15 W	—	8*
4 16	0 49.12	− 3 0.0	2.320	1.397	12.5	19.8	18 W	—	10*
4 26	1 21.50	− 1 25.7	2.296	1.391	14.1	19.8	20 W	—	12*
5 6	1 54.04	+ 0 5.3	2.277	1.391	15.5	19.9	22 W	—	14*
5 16	2 26.63	+ 1 29.8	2.264	1.397	16.8	19.9	24 W	—	16*
5 26	2 59.06	+ 2 44.9	2.256	1.409	17.9	19.9	25 W	—	18*
6 5	3 31.16	+ 3 48.4	2.254	1.427	18.8	20.0	27 W	—	20*
6 15	4 2.73	+ 4 38.5	2.257	1.450	19.7	20.1	29 W	—	22*
6 25	4 33.56	+ 5 13.9	2.263	1.478	20.4	20.1	30 W	—	24*
7 5	5 3.47	+ 5 34.3	2.271	1.511	21.0	20.2	32 W	—	26*
7 15	5 32.30	+ 5 40.0	2.280	1.547	21.6	20.3	34 W	2*	28*
7 25	5 59.90	+ 5 31.6	2.288	1.587	22.2	20.4	36 W	6*	30*
8 4	6 26.20	+ 5 10.6	2.294	1.629	22.9	20.5	39 W	10*	32*
8 14	6 51.11	+ 4 38.3	2.295	1.673	23.6	20.5	41 W	15*	34*
8 24	7 14.58	+ 3 56.6	2.290	1.719	24.3	20.6	44 W	19*	35*
9 3	7 36.59	+ 3 7.2	2.279	1.767	25.0	20.7	48 W	24*	37*
9 13	7 57.10	+ 2 12.0	2.260	1.815	25.8	20.7	52 W	28*	40*
9 23	8 16.06	+ 1 13.1	2.231	1.864	26.5	20.8	56 W	32*	42*
10 3	8 33.44	+ 0 12.3	2.194	1.914	27.1	20.8	61 W	36*	45*

378532 2008 AP_{28} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 13	8 49.15	− 0 48.1	2.147	1.963	27.6	20.9	66 W	39*	48*
10 23	9 3.08	− 1 45.9	2.091	2.013	28.0	20.9	72 W	41*	52*
11 2	9 15.11	− 2 38.5	2.026	2.063	28.1	20.8	78 W	42*	56*
11 12	9 25.02	− 3 23.1	1.954	2.112	27.8	20.8	85 W	42	60*
11 22	9 32.59	− 3 56.0	1.876	2.160	27.2	20.8	93 W	41	65*
12 2	9 37.56	− 4 13.5	1.796	2.208	26.0	20.7	101 W	41	68*
12 12	9 39.65	− 4 11.1	1.717	2.255	24.2	20.6	110 W	41	68
12 22	9 38.66	− 3 44.0	1.643	2.302	21.7	20.4	120 W	41	68
1 1	9 34.54	− 2 48.2	1.580	2.347	18.4	20.3	131 W	42	67
1 11	9 27.49	− 1 21.3	1.534	2.392	14.4	20.1	143 W	44	65
1 21	9 18.14	+ 0 35.0	1.510	2.436	10.0	20.0	155 W	46	63

11066 Sigurd

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 24.36	−38 26.7	1.984	1.111	17.5	17.7	20 E	—	13*
1 1	19 46.56	−36 30.2	1.966	1.083	17.0	17.6	19 E	—	12*
1 6	20 8.06	−34 17.2	1.948	1.055	16.5	17.5	18 E	—	11*
1 11	20 28.80	−31 48.6	1.931	1.027	15.8	17.4	17 E	—	10*
1 16	20 48.78	−29 5.4	1.916	1.001	15.1	17.4	15 E	—	9*
1 21	21 8.01	−26 9.0	1.901	0.977	14.3	17.3	14 E	—	8*
1 26	21 26.53	−23 0.6	1.886	0.954	13.5	17.2	13 E	—	7*
1 31	21 44.42	−19 41.5	1.873	0.933	12.8	17.1	12 E	1*	6*
2 5	22 1.78	−16 13.0	1.860	0.915	12.3	17.0	11 E	2*	4*
2 10	22 18.70	−12 36.5	1.848	0.899	12.0	16.9	11 E	3*	3*
2 15	22 35.30	− 8 53.5	1.837	0.887	12.1	16.9	11 E	4*	1*
2 20	22 51.70	− 5 5.4	1.826	0.877	12.7	16.9	11 E	5*	—
2 25	23 8.03	− 1 13.7	1.816	0.872	13.6	16.9	12 E	6*	—
3 2	23 24.42	+ 2 39.9	1.806	0.869	14.8	16.9	13 E	7*	—
3 7	23 41.02	+ 6 34.0	1.797	0.871	16.3	17.0	14 E	8*	—
3 12	23 57.97	+10 26.7	1.790	0.876	17.9	17.0	16 E	9*	—
3 17	0 15.43	+14 16.1	1.783	0.884	19.5	17.1	17 E	10*	—
3 22	0 33.54	+18 0.4	1.779	0.896	21.1	17.1	19 E	11*	—
3 27	0 52.44	+21 37.2	1.777	0.911	22.5	17.2	20 E	13*	—
4 1	1 12.26	+25 4.5	1.777	0.929	23.7	17.3	22 E	14*	—
4 6	1 33.12	+28 19.7	1.780	0.949	24.8	17.4	23 E	15*	—
4 11	1 55.11	+31 20.5	1.787	0.971	25.6	17.5	25 E	17*	—
4 16	2 18.26	+34 4.5	1.796	0.995	26.1	17.5	26 E	18*	—
4 21	2 42.54	+36 29.3	1.809	1.021	26.5	17.6	27 E	19*	—
4 26	3 7.85	+38 32.9	1.826	1.048	26.7	17.7	28 E	20*	—
5 1	3 33.99	+40 13.7	1.846	1.076	26.6	17.8	29 E	22*	—
5 6	4 0.71	+41 30.7	1.870	1.104	26.4	17.9	29 E	22*	—
5 11	4 27.68	+42 23.8	1.898	1.133	26.0	17.9	29 E	23*	—
5 16	4 54.53	+42 53.5	1.928	1.163	25.5	18.0	30 E	23*	—
5 21	5 20.91	+43 1.0	1.961	1.192	24.9	18.1	30 E	24*	—
5 26	5 46.49	+42 48.2	1.997	1.222	24.1	18.2	30 E	24*	—
5 31	6 11.03	+42 17.4	2.034	1.251	23.3	18.2	29 E	23*	2*
6 5	6 34.37	+41 31.0	2.074	1.280	22.4	18.3	29 E	22*	3*
6 10	6 56.43	+40 31.5	2.115	1.309	21.4	18.4	28 E	22*	4*
6 15	7 17.18	+39 21.2	2.157	1.338	20.3	18.4	27 E	21*	4*
6 20	7 36.64	+38 2.4	2.200	1.366	19.3	18.5	26 E	19*	5*
6 25	7 54.87	+36 36.7	2.243	1.393	18.1	18.5	25 E	18*	6*
6 30	8 11.97	+35 5.9	2.286	1.420	17.0	18.6	24 E	17*	6*
7 5	8 28.03	+33 31.2	2.329	1.447	15.8	18.6	23 E	15*	6*
7 10	8 43.14	+31 53.6	2.371	1.473	14.6	18.6	21 E	14*	6*
7 15	8 57.40	+30 14.1	2.412	1.498	13.4	18.7	20 E	12*	5*
7 20	9 10.89	+28 33.4	2.452	1.522	12.2	18.7	18 E	11*	5*
7 25	9 23.71	+26 51.9	2.490	1.546	11.0	18.7	17 E	9*	4*
7 30	9 35.91	+25 10.1	2.526	1.569	9.8	18.7	15 E	8*	3*
8 4	9 47.58	+23 28.3	2.560	1.592	8.6	18.7	14 E	7*	2*
8 14	10 9.53	+20 5.4	2.622	1.635	6.3	18.7	10 E	4*	—
8 24	10 29.96	+16 44.5	2.673	1.674	4.3	18.7	7 E	1*	—
9 3	10 49.19	+13 26.0	2.712	1.711	3.4	18.8	6 E	—	—
9 13	11 7.47	+10 9.9	2.738	1.745	4.3	18.9	7 W	1*	—
9 23	11 24.98	+ 6 56.2	2.750	1.775	6.2	19.0	11 W	5*	—
10 3	11 41.89	+ 3 44.5	2.748	1.803	8.5	19.2	15 W	9*	3*
10 13	11 58.32	+ 0 34.2	2.731	1.827	10.9	19.3	20 W	13*	7*
10 23	12 14.34	− 2 35.1	2.700	1.849	13.2	19.4	25 W	17*	11*
11 2	12 30.06	− 5 44.0	2.654	1.867	15.6	19.4	30 W	20*	16*
11 12	12 45.50	− 8 53.4	2.595	1.883	17.9	19.5	36 W	23*	21*
11 22	13 0.70	−12 3.9	2.522	1.895	20.1	19.5	41 W	24*	27*
12 2	13 15.68	−15 16.7	2.437	1.904	22.2	19.5	47 W	25*	34*
12 12	13 30.43	−18 32.9	2.341	1.910	24.2	19.5	53 W	24*	41*
12 22	13 44.91	−21 53.9	2.236	1.913	26.0	19.4	58 W	22*	48*
1 1	13 59.10	−25 21.5	2.122	1.914	27.6	19.4	64 W	20*	56*
1 11	14 12.87	−28 57.7	2.003	1.911	29.0	19.3	70 W	16	63*
1 21	14 26.09	−32 44.7	1.880	1.905	30.1	19.2	76 W	12	70*

66358 1999 JW_{87}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 24.71	−19 16.6	2.533	1.602	9.0	19.2	15 E	6*	5*
1 6	19 55.34	−18 27.3	2.543	1.594	7.3	19.2	12 E	4*	2*
1 16	20 25.80	−17 17.7	2.554	1.590	5.6	19.1	9 E	2*	—
1 26	20 55.88	−15 49.7	2.565	1.589	3.8	19.0	6 E	—	—

66358 1999 JW_{87} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	21 25.43	−14 5.6	2.576	1.593	2.0	18.9	3 E	—	—
2 15	21 54.36	−12 8.1	2.587	1.599	0.4	18.8	1 E	—	—
2 25	22 22.60	−10 0.5	2.598	1.610	1.5	18.9	3 W	—	—
3 7	22 50.15	− 7 45.6	2.609	1.624	3.3	19.1	5 W	—	—
3 17	23 17.03	− 5 26.6	2.618	1.641	5.1	19.2	8 W	—	2*
3 27	23 43.24	− 3 6.2	2.627	1.660	6.8	19.3	11 W	—	5*
4 6	0 8.84	− 0 47.3	2.633	1.683	8.6	19.4	14 W	—	8*
4 16	0 33.88	+ 1 28.0	2.637	1.708	10.3	19.5	18 W	—	12*
4 26	0 58.38	+ 3 37.5	2.637	1.736	12.0	19.6	21 W	—	15*
5 6	1 22.37	+ 5 39.4	2.634	1.765	13.7	19.7	24 W	1*	18*
5 16	1 45.88	+ 7 32.2	2.626	1.796	15.3	19.8	28 W	3*	22*
5 26	2 8.88	+ 9 14.6	2.612	1.829	16.9	19.9	32 W	5*	25*
6 5	2 31.37	+10 45.9	2.593	1.863	18.4	20.0	36 W	8*	29*
6 15	2 53.30	+12 5.2	2.568	1.898	19.9	20.0	40 W	11*	32*
6 25	3 14.59	+13 12.0	2.535	1.934	21.3	20.1	44 W	15*	35*
7 5	3 35.18	+14 6.4	2.496	1.970	22.6	20.1	48 W	20*	37*
7 15	3 54.96	+14 48.2	2.449	2.007	23.8	20.2	53 W	26*	39*
7 25	4 13.78	+15 17.7	2.395	2.044	24.9	20.2	58 W	32*	41*
8 4	4 31.51	+15 35.4	2.333	2.081	25.8	20.2	63 W	38*	43*
8 14	4 47.96	+15 42.0	2.264	2.119	26.5	20.2	69 W	44*	45*
8 24	5 2.93	+15 38.3	2.189	2.156	26.9	20.2	75 W	49*	46*
9 3	5 16.20	+15 25.4	2.109	2.193	27.0	20.1	81 W	54*	47*
9 13	5 27.49	+15 4.6	2.024	2.230	26.8	20.1	88 W	58*	49*
9 23	5 36.50	+14 37.2	1.937	2.266	26.2	20.0	96 W	60*	49*
10 3	5 42.92	+14 4.8	1.849	2.302	25.0	19.9	104 W	59	50
10 13	5 46.41	+13 29.4	1.765	2.337	23.2	19.8	113 W	58	51
10 23	5 46.71	+12 53.1	1.688	2.372	20.8	19.6	122 W	58	51
11 2	5 43.67	+12 18.0	1.622	2.406	17.7	19.5	133 W	57	52
11 12	5 37.39	+11 46.8	1.572	2.440	14.0	19.3	144 W	57	52
11 22	5 28.36	+11 22.2	1.543	2.473	9.8	19.1	155 W	56	53
12 2	5 17.49	+11 6.3	1.540	2.505	6.0	19.0	165 W	56	53
12 12	5 5.99	+11 1.0	1.565	2.536	4.7	19.0	168 E	56	53
12 22	4 55.23	+11 7.3	1.619	2.566	7.4	19.2	160 E	56	53
1 1	4 46.32	+11 24.7	1.700	2.596	11.1	19.5	150 E	56	53
1 11	4 40.01	+11 52.0	1.805	2.624	14.3	19.8	139 E	57	52
1 21	4 36.62	+12 27.3	1.929	2.652	17.0	20.0	128 E	57	52

136568 1980 XB

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 24.86	−34 41.0	4.266	3.342	5.1	20.6	18 E	—	11*
1 6	19 40.67	−34 23.2	4.286	3.340	4.1	20.5	14 E	—	6*
1 16	19 56.54	−34 2.7	4.287	3.337	3.8	20.5	13 E	—	2*
1 26	20 12.37	−33 39.9	4.271	3.333	4.6	20.6	16 W	—	5*
2 5	20 28.08	−33 15.3	4.236	3.328	5.9	20.6	20 W	—	11*
2 15	20 43.60	−32 49.8	4.184	3.322	7.4	20.7	26 W	—	17*
2 25	20 58.83	−32 24.3	4.116	3.315	9.0	20.7	32 W	—	23*
3 7	21 13.73	−31 59.7	4.033	3.307	10.6	20.7	38 W	—	29*
3 17	21 28.22	−31 37.1	3.935	3.299	12.2	20.7	44 W	—	35*
3 27	21 42.22	−31 18.0	3.824	3.289	13.6	20.7	51 W	—	42*
4 6	21 55.68	−31 3.6	3.703	3.278	14.9	20.7	58 W	—	48*
4 16	22 8.50	−30 55.4	3.571	3.266	16.1	20.6	64 W	—	55*
4 26	22 20.58	−30 55.1	3.433	3.254	17.0	20.5	71 W	—	62*
5 6	22 31.83	−31 4.3	3.289	3.240	17.8	20.5	78 W	1*	69*
5 16	22 42.09	−31 24.7	3.141	3.225	18.2	20.4	86 W	2*	76*
5 26	22 51.19	−31 58.1	2.993	3.210	18.4	20.3	93 W	4*	82*
6 5	22 58.93	−32 45.8	2.848	3.193	18.2	20.1	101 W	5*	83
6 15	23 5.06	−33 49.0	2.707	3.175	17.7	20.0	108 W	7*	82
6 25	23 9.27	−35 7.7	2.575	3.157	16.8	19.8	116 W	8*	81
7 5	23 11.27	−36 41.0	2.454	3.137	15.6	19.7	124 W	8*	79
7 10	23 11.32	−37 32.3	2.399	3.127	14.9	19.6	128 W	7*	78
7 15	23 10.70	−38 26.0	2.349	3.116	14.1	19.5	131 W	7	78
7 20	23 9.37	−39 21.3	2.303	3.106	13.4	19.4	135 W	6	77
7 25	23 7.32	−40 17.3	2.262	3.095	12.6	19.4	138 W	5	76
7 30	23 4.53	−41 13.0	2.226	3.084	11.9	19.3	141 W	4	75
8 4	23 1.03	−42 7.3	2.196	3.072	11.3	19.2	144 W	3	74
8 9	22 56.84	−42 58.9	2.172	3.061	10.9	19.2	145 W	2	73
8 14	22 52.02	−43 46.4	2.154	3.049	10.6	19.2	146 W	1	72
8 19	22 46.68	−44 28.8	2.142	3.037	10.6	19.1	146 W	1	72
8 24	22 40.95	−45 4.7	2.136	3.024	10.9	19.1	146 W	—	71
8 29	22 34.95	−45 33.6	2.136	3.012	11.4	19.1	144 W	—	70
9 3	22 28.85	−45 54.5	2.142	2.999	12.1	19.2	142 E	—	70
9 8	22 22.82	−46 7.2	2.154	2.986	12.9	19.2	139 E	—	70
9 13	22 17.04	−46 11.5	2.172	2.972	13.8	19.2	135 E	—	70
9 18	22 11.68	−46 7.7	2.194	2.959	14.7	19.3	132 E	—	70
9 23	22 6.86	−45 56.1	2.220	2.945	15.6	19.3	128 E	—	70
9 28	22 2.69	−45 37.4	2.251	2.931	16.5	19.4	124 E	—	70
10 3	21 59.24	−45 12.2	2.286	2.916	17.3	19.4	120 E	—	71
10 8	21 56.57	−44 41.2	2.324	2.902	18.1	19.5	116 E	—	71
10 13	21 54.71	−44 5.1	2.364	2.887	18.7	19.5	112 E	1	72
10 23	21 53.40	−42 40.5	2.452	2.857	19.8	19.6	104 E	2	73
11 2	21 55.09	−41 3.2	2.544	2.825	20.4	19.7	96 E	4	75
11 12	21 59.48	−39 16.4	2.640	2.793	20.8	19.8	88 E	6	76*

136568 1980 XB *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 17	22 2.57	−38 20.4	2.687	2.777	20.8	19.8	85 E	7	76*
11 22	22 6.18	−37 22.8	2.734	2.760	20.7	19.8	81 E	8	74*
11 27	22 10.28	−36 23.9	2.780	2.743	20.6	19.8	78 E	9	71*
12 2	22 14.82	−35 23.8	2.825	2.726	20.4	19.8	74 E	10	68*
12 12	22 25.06	−33 20.2	2.911	2.691	19.7	19.9	67 E	12	61*
12 22	22 36.61	−31 12.8	2.990	2.655	18.9	19.9	61 E	14*	54*
1 1	22 49.23	−29 1.9	3.060	2.618	17.9	19.8	55 E	15*	47*
1 11	23 2.74	−26 47.8	3.121	2.580	16.6	19.8	49 E	15*	41*
1 21	23 16.97	−24 30.8	3.171	2.542	15.3	19.8	43 E	15*	35*

269927 2000 OM_{22}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 24.88	−28 14.1	2.848	1.913	7.5	20.4	15 E	—	8*
1 6	19 51.42	−26 43.1	2.829	1.873	5.6	20.3	11 E	—	5*
1 16	20 18.01	−24 54.1	2.805	1.834	3.9	20.1	7 E	—	1*
1 26	20 44.52	−22 47.4	2.776	1.797	2.6	20.0	5 E	—	—
2 5	21 10.85	−20 23.5	2.743	1.762	2.5	19.9	4 W	—	—
2 15	21 36.97	−17 43.4	2.707	1.729	3.7	19.9	6 W	—	—
2 25	22 2.82	−14 48.7	2.669	1.699	5.3	19.9	9 W	—	3*
3 7	22 28.43	−11 41.0	2.630	1.672	7.1	19.9	12 W	—	6*
3 17	22 53.84	− 8 22.3	2.590	1.648	8.9	20.0	15 W	—	9*
3 27	23 19.11	− 4 55.1	2.551	1.628	10.7	20.0	18 W	—	12*
4 6	23 44.30	− 1 21.8	2.513	1.612	12.4	20.0	20 W	2*	14*
4 16	0 9.53	+ 2 14.8	2.476	1.600	14.1	20.0	23 W	3*	17*
4 26	0 34.86	+ 5 51.9	2.441	1.592	15.8	20.0	25 W	5*	19*
5 6	1 0.41	+ 9 26.4	2.407	1.589	17.3	20.0	28 W	7*	21*
5 16	1 26.24	+12 55.4	2.376	1.590	18.8	20.0	31 W	10*	23*
5 26	1 52.41	+16 15.8	2.345	1.596	20.3	20.1	33 W	13*	24*
6 5	2 18.96	+19 24.9	2.316	1.605	21.6	20.1	36 W	16*	25*
6 15	2 45.90	+22 20.1	2.287	1.620	22.9	20.1	38 W	19*	26*
6 25	3 13.14	+24 59.1	2.259	1.638	24.2	20.2	41 W	23*	26*
7 5	3 40.62	+27 20.4	2.229	1.660	25.3	20.2	44 W	28*	26*
7 15	4 8.16	+29 22.8	2.198	1.685	26.4	20.2	47 W	33*	26*
7 25	4 35.54	+31 6.0	2.165	1.714	27.3	20.3	51 W	38*	25*
8 4	5 2.52	+32 30.3	2.128	1.745	28.2	20.3	54 W	43*	25*
8 14	5 28.80	+33 37.0	2.088	1.779	29.0	20.3	58 W	48*	25*
8 24	5 54.07	+34 27.9	2.044	1.815	29.6	20.3	63 W	54*	24*
9 3	6 18.03	+35 5.4	1.994	1.853	30.1	20.3	67 W	59*	24*
9 13	6 40.36	+35 32.8	1.940	1.893	30.4	20.3	72 W	64*	24*
9 23	7 0.74	+35 53.2	1.882	1.934	30.5	20.3	78 W	70*	25*
10 3	7 18.86	+36 10.3	1.818	1.976	30.2	20.3	84 W	75*	25*
10 13	7 34.36	+36 27.7	1.752	2.018	29.6	20.2	90 W	80*	26*
10 23	7 46.86	+36 48.7	1.684	2.062	28.6	20.2	97 W	82	26*
11 2	7 55.95	+37 15.9	1.616	2.106	27.1	20.1	105 W	82	26*
11 7	7 59.06	+37 32.3	1.583	2.128	26.1	20.0	109 W	83	26*
11 12	8 1.12	+37 50.7	1.551	2.150	24.9	20.0	114 W	83	26
11 17	8 2.11	+38 10.7	1.521	2.172	23.6	19.9	118 W	83	26
11 22	8 1.96	+38 32.2	1.493	2.194	22.1	19.8	123 W	84	25
11 27	8 0.66	+38 54.4	1.468	2.217	20.5	19.8	128 W	84	25
12 2	7 58.18	+39 16.7	1.446	2.239	18.8	19.7	133 W	84	25
12 7	7 54.54	+39 38.0	1.428	2.261	16.9	19.6	138 W	85	24
12 12	7 49.82	+39 57.1	1.415	2.283	14.9	19.6	143 W	85	24
12 17	7 44.14	+40 12.8	1.407	2.305	12.9	19.5	149 W	85	24
12 22	7 37.67	+40 24.0	1.405	2.327	10.9	19.5	153 W	85	24
12 27	7 30.61	+40 29.5	1.409	2.349	9.2	19.4	158 W	85	24
1 1	7 23.19	+40 28.7	1.420	2.371	7.9	19.4	161 W	85	24
1 6	7 15.71	+40 21.2	1.438	2.392	7.3	19.4	162 W	85	24
1 11	7 8.42	+40 7.1	1.462	2.414	7.5	19.5	161 E	85	24
1 16	7 1.59	+39 46.8	1.493	2.436	8.5	19.6	159 E	85	24
1 21	6 55.41	+39 21.2	1.531	2.457	9.8	19.7	155 E	84	25

347505 1999 CM_4

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 25.16	−19 21.2	2.900	1.966	7.4	20.7	15 E	6*	5*
1 6	19 49.51	−19 21.3	2.963	2.003	5.0	20.7	10 E	3*	1*
1 16	20 13.25	−19 8.0	3.017	2.040	2.7	20.6	6 E	—	—
1 26	20 36.32	−18 43.2	3.062	2.078	0.3	20.5	1 E	—	—
2 5	20 58.69	−18 8.8	3.097	2.115	2.0	20.7	4 W	—	—
2 15	21 20.35	−17 26.9	3.121	2.152	4.3	20.9	9 W	—	3*
2 25	21 41.27	−16 39.4	3.134	2.190	6.5	21.1	14 W	—	8*
3 7	22 1.47	−15 48.2	3.135	2.226	8.6	21.2	20 W	—	14*
3 17	22 20.95	−14 55.2	3.125	2.263	10.7	21.3	25 W	—	19*
3 27	22 39.70	−14 2.2	3.103	2.299	12.7	21.4	30 W	—	24*
4 6	22 57.75	−13 10.8	3.069	2.335	14.6	21.5	36 W	1*	30*

189165 2002 TQ_{96}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 25.17	−17 55.0	2.492	1.566	9.6	20.5	15 E	7*	4*
1 6	19 55.83	−16 46.3	2.514	1.570	7.9	20.4	13 E	6*	1*
1 16	20 25.99	−15 18.8	2.536	1.577	6.3	20.4	10 E	4*	—
1 26	20 55.48	−13 35.0	2.558	1.587	4.6	20.3	7 E	1*	—
2 5	21 24.22	−11 37.5	2.579	1.599	3.1	20.3	5 E	—	—
2 15	21 52.17	− 9 29.4	2.600	1.615	2.0	20.3	3 W	—	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
			189165 2002 TQ_{96}			*(continuation)*			
	h m	° ′			°	m	°	°	°
2 25	22 19.31	− 7 13.4	2.620	1.633	2.3	20.3	4 W	—	—
3 7	22 45.68	− 4 52.6	2.638	1.654	3.6	20.4	6 W	—	—
3 17	23 11.33	− 2 29.5	2.653	1.677	5.2	20.6	9 W	—	2*
3 27	23 36.30	− 0 6.6	2.665	1.702	7.0	20.7	12 W	—	6*
4 6	0 0.67	+ 2 13.9	2.674	1.728	8.7	20.8	15 W	1*	9*
4 16	0 24.48	+ 4 30.1	2.678	1.756	10.5	20.9	19 W	2*	12*
4 26	0 47.79	+ 6 40.2	2.676	1.785	12.3	21.0	22 W	4*	16*
5 6	1 10.62	+ 8 42.9	2.670	1.816	14.0	21.1	26 W	5*	19*
5 16	1 33.01	+10 36.8	2.656	1.847	15.7	21.2	30 W	7*	23*
5 26	1 54.94	+12 21.0	2.636	1.878	17.4	21.3	34 W	9*	26*
6 5	2 16.41	+13 54.6	2.609	1.911	19.0	21.4	38 W	12*	29*
6 15	2 37.38	+15 17.2	2.574	1.943	20.5	21.4	42 W	16*	32*
6 25	2 57.77	+16 28.0	2.531	1.976	21.9	21.5	47 W	21*	35*
7 5	3 17.50	+17 27.1	2.480	2.009	23.3	21.5	51 W	26*	37*
			69466 1996 VZ_5						
12 27	19 25.19	−32 45.5	4.007	3.077	5.2	20.9	17 E	—	10*
1 6	19 42.14	−32 28.2	4.043	3.091	4.0	20.8	13 E	—	6*
1 16	19 59.01	−32 6.9	4.063	3.104	3.6	20.8	11 E	—	1*
1 26	20 15.72	−31 42.2	4.065	3.116	4.2	20.9	14 W	—	4*
2 5	20 32.18	−31 15.0	4.050	3.127	5.6	21.0	18 W	—	10*
2 15	20 48.32	−30 46.0	4.018	3.137	7.2	21.0	24 W	—	15*
2 25	21 4.08	−30 16.5	3.971	3.147	8.9	21.1	29 W	—	21*
3 7	21 19.40	−29 47.4	3.908	3.155	10.6	21.1	36 W	—	27*
3 17	21 34.21	−29 20.0	3.830	3.162	12.2	21.1	42 W	—	34*
3 27	21 48.44	−28 55.7	3.740	3.169	13.6	21.2	49 W	—	40*
4 6	22 2.04	−28 35.8	3.638	3.174	15.0	21.1	55 W	—	46*
4 16	22 14.92	−28 22.0	3.525	3.179	16.2	21.1	62 W	—	53*
4 26	22 26.99	−28 15.7	3.404	3.182	17.1	21.1	69 W	1*	60*
5 6	22 38.15	−28 18.6	3.277	3.185	17.9	21.0	76 W	2*	67*
5 16	22 48.27	−28 32.5	3.145	3.187	18.4	21.0	83 W	4*	75*
5 26	22 57.17	−28 58.9	3.011	3.187	18.5	20.9	91 W	6*	82*
6 5	23 4.67	−29 39.2	2.879	3.187	18.4	20.8	98 W	8*	86
6 15	23 10.54	−30 34.5	2.750	3.186	17.8	20.6	106 W	9*	85
6 25	23 14.50	−31 44.9	2.628	3.184	16.9	20.5	114 W	11*	84
7 5	23 16.30	−33 9.5	2.517	3.181	15.6	20.4	123 W	11*	83
7 15	23 15.66	−34 45.8	2.420	3.177	14.0	20.2	131 W	10	81
7 20	23 14.35	−35 36.9	2.378	3.174	13.2	20.2	135 W	9	80
7 25	23 12.38	−36 28.9	2.341	3.172	12.3	20.1	138 W	9	80
7 30	23 9.74	−37 21.0	2.309	3.169	11.5	20.0	142 W	8	79
8 4	23 6.46	−38 12.0	2.283	3.166	10.7	20.0	145 W	7	78
8 9	23 2.55	−39 0.8	2.263	3.163	10.0	19.9	147 W	6	77
8 14	22 58.10	−39 46.4	2.249	3.159	9.6	19.9	149 W	5	76
8 19	22 53.19	−40 27.5	2.242	3.155	9.4	19.9	149 W	5	76
8 24	22 47.92	−41 3.2	2.241	3.151	9.5	19.9	149 W	4	75
8 29	22 42.44	−41 32.6	2.246	3.147	9.8	19.9	148 W	3	74
9 3	22 36.86	−41 55.3	2.258	3.143	10.4	19.9	146 E	3	74
9 8	22 31.34	−42 10.6	2.275	3.138	11.2	20.0	143 E	3	74
9 13	22 26.03	−42 18.6	2.299	3.133	12.0	20.0	139 E	3	74
9 18	22 21.06	−42 19.2	2.328	3.128	12.9	20.1	136 E	3	74
9 23	22 16.56	−42 12.9	2.362	3.122	13.8	20.1	132 E	3	74
9 28	22 12.60	−42 0.0	2.400	3.116	14.7	20.2	128 E	3	74
10 3	22 9.27	−41 41.2	2.443	3.111	15.5	20.3	124 E	3	74
10 8	22 6.62	−41 17.0	2.489	3.104	16.3	20.3	119 E	4	75
10 13	22 4.67	−40 48.1	2.539	3.098	16.9	20.4	115 E	4	75
10 23	22 2.88	−39 38.5	2.646	3.084	18.0	20.5	107 E	5	76
11 2	22 3.79	−38 16.6	2.760	3.070	18.6	20.6	99 E	7	78
11 12	22 7.14	−36 45.9	2.877	3.055	18.9	20.7	91 E	8	79*
11 22	22 12.63	−35 8.7	2.995	3.038	18.8	20.8	83 E	10	76*
12 2	22 19.90	−33 26.7	3.110	3.021	18.4	20.8	76 E	12	70*
12 12	22 28.68	−31 41.0	3.220	3.003	17.8	20.9	69 E	13	62*
12 22	22 38.68	−29 52.5	3.323	2.984	16.9	20.9	62 E	15*	55*
1 1	22 49.70	−28 1.7	3.417	2.964	15.8	20.9	55 E	16*	47*
1 11	23 1.53	−26 9.1	3.500	2.943	14.5	20.9	49 E	16*	41*
1 21	23 14.03	−24 15.0	3.572	2.921	13.1	20.9	42 E	15*	35*
			151888 2003 YV_{117}						
12 27	19 25.36	− 8 52.9	3.605	2.707	7.4	21.1	21 E	15*	—
1 6	19 41.73	− 8 50.7	3.660	2.728	5.7	21.1	16 E	10*	—
1 16	19 57.93	− 8 39.5	3.700	2.748	4.4	21.0	12 E	4*	—
1 26	20 13.87	− 8 20.3	3.724	2.766	4.1	21.0	11 W	5*	—
2 5	20 29.50	− 7 54.1	3.732	2.783	4.8	21.1	14 W	7*	—
2 15	20 44.77	− 7 21.8	3.723	2.800	6.2	21.2	18 W	10*	7*
2 25	20 59.61	− 6 44.8	3.698	2.815	7.9	21.2	23 W	12*	14*
3 7	21 13.97	− 6 4.0	3.657	2.828	9.7	21.3	29 W	13*	20*
3 17	21 27.81	− 5 20.6	3.600	2.841	11.5	21.4	35 W	15*	27*
3 27	21 41.05	− 4 36.0	3.528	2.852	13.3	21.4	41 W	17*	33*
4 6	21 53.64	− 3 51.3	3.442	2.863	14.9	21.4	47 W	19*	40*
4 16	22 5.52	− 3 8.1	3.343	2.872	16.4	21.4	54 W	21*	46*
4 26	22 16.58	− 2 27.7	3.232	2.879	17.8	21.4	61 W	23*	52*
5 6	22 26.75	− 1 51.8	3.111	2.886	18.9	21.3	68 W	25*	58*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
			151888 2003 YV_{117}			*(continuation)*			
	h m	° ′			°	m	°	°	°
5 16	22 35.88	− 1 22.1	2.981	2.892	19.8	21.3	75 W	28*	62*
5 26	22 43.84	− 1 0.6	2.845	2.896	20.3	21.2	83 W	31*	65*
6 5	22 50.46	− 0 49.6	2.705	2.899	20.5	21.1	91 W	35*	65
6 15	22 55.53	− 0 51.3	2.564	2.901	20.2	21.0	99 W	38*	65
6 25	22 58.84	− 1 8.6	2.424	2.902	19.5	20.8	108 W	41*	65
7 5	23 0.18	− 1 43.9	2.291	2.901	18.1	20.7	117 W	43*	66
7 15	22 59.34	− 2 39.6	2.168	2.900	16.2	20.5	127 W	42	67
7 25	22 56.21	− 3 57.0	2.060	2.897	13.5	20.3	138 W	41	68
8 4	22 50.84	− 5 35.7	1.972	2.893	10.2	20.0	150 W	39	70
8 14	22 43.47	− 7 32.7	1.909	2.888	6.3	19.8	162 W	37	72
8 19	22 39.21	− 8 36.1	1.888	2.885	4.2	19.7	168 W	36	73
8 24	22 34.67	− 9 41.4	1.874	2.882	2.1	19.5	174 W	35	74
8 29	22 29.97	−10 47.6	1.868	2.878	0.5	19.3	179 W	34	75
9 3	22 25.22	−11 53.3	1.870	2.874	2.4	19.5	173 E	33	76
9 8	22 20.54	−12 57.5	1.880	2.870	4.6	19.7	167 E	32	77
9 13	22 16.06	−13 58.9	1.897	2.866	6.7	19.8	161 E	31	78
9 18	22 11.90	−14 56.6	1.922	2.861	8.7	19.9	154 E	30	79
9 23	22 8.15	−15 49.8	1.953	2.856	10.6	20.0	148 E	29	80
10 3	22 2.18	−17 21.2	2.033	2.845	14.0	20.2	137 E	28	81
10 13	21 58.61	−18 30.9	2.134	2.833	16.7	20.4	126 E	26	83
10 23	21 57.63	−19 19.3	2.249	2.819	18.6	20.6	115 E	26	83
11 2	21 59.16	−19 48.0	2.373	2.805	19.9	20.7	105 E	25	84
11 12	22 3.04	−19 59.3	2.502	2.789	20.7	20.8	96 E	25	84*
11 22	22 9.01	−19 55.4	2.632	2.772	20.9	20.9	88 E	25	77*
12 2	22 16.79	−19 38.3	2.760	2.754	20.6	21.0	79 E	25	68*
12 12	22 26.13	−19 9.8	2.881	2.735	20.0	21.1	72 E	26	60*
12 22	22 36.78	−18 31.4	2.995	2.714	19.0	21.1	64 E	26*	52*
1 1	22 48.54	−17 44.5	3.098	2.693	17.8	21.1	57 E	26*	44*
1 11	23 1.23	−16 50.2	3.190	2.670	16.4	21.1	50 E	25*	38*
1 21	23 14.71	−15 49.8	3.268	2.646	14.9	21.1	44 E	23*	32*
			66400 1999 LT_7						
12 27	19 25.51	−25 2.8	1.651	0.738	19.1	20.5	14 E	2*	7*
1 1	19 48.75	−24 20.9	1.583	0.677	21.3	20.3	15 E	2*	7*
1 6	20 13.20	−23 20.1	1.507	0.614	24.7	20.1	15 E	3*	8*
1 11	20 38.85	−21 56.7	1.421	0.549	29.8	19.9	16 E	4*	8*
1 16	21 5.48	−20 6.6	1.324	0.485	37.4	19.6	17 E	6*	9*
1 21	21 32.48	−17 46.5	1.213	0.428	48.7	19.5	19 E	8*	10*
1 26	21 58.42	−14 56.2	1.085	0.385	64.8	19.5	21 E	10*	10*
1 28	22 7.95	−13 40.9	1.030	0.374	72.6	19.6	21 E	11*	10*
1 30	22 16.69	−12 22.7	0.973	0.367	81.0	19.7	22 E	12*	10*
2 1	22 24.42	−11 2.8	0.916	0.366	89.9	19.9	22 E	13*	10*
2 3	22 30.97	− 9 42.3	0.859	0.369	98.9	20.2	22 E	13*	9*
2 5	22 36.20	− 8 22.3	0.803	0.378	107.8	20.5	21 E	13*	8*
2 10	22 43.22	− 5 8.8	0.674	0.416	128.2	21.9	19 E	12*	5*
2 15	22 42.10	− 2 7.1	0.565	0.471	144.7	23.8	16 E	10*	—
2 20	22 34.19	+ 0 45.2	0.478	0.534	155.6	25.8	13 E	6*	—
2 25	22 21.00	+ 3 32.4	0.409	0.598	158.1	26.4	13 W	5*	—
			497676 2006 SR_2						
12 27	19 25.57	− 9 8.2	2.435	1.552	12.8	21.2	21 E	14*	—
1 6	19 56.37	− 8 11.8	2.453	1.553	11.6	21.2	19 E	12*	—
1 16	20 26.92	− 6 59.8	2.475	1.557	10.3	21.2	16 E	10*	—
1 26	20 57.05	− 5 34.3	2.500	1.565	9.0	21.2	14 E	8*	—
2 5	21 26.61	− 3 57.8	2.526	1.578	7.7	21.2	12 E	5*	—
2 15	21 55.52	− 2 13.2	2.555	1.594	6.5	21.1	11 E	2*	—
2 25	22 23.74	− 0 23.2	2.584	1.614	5.5	21.1	9 W	2*	—
3 7	22 51.24	+ 1 29.3	2.613	1.637	5.0	21.2	8 W	2*	—
3 17	23 18.03	+ 3 21.9	2.640	1.663	5.1	21.2	9 W	2*	—
3 27	23 44.14	+ 5 12.1	2.666	1.692	5.9	21.3	10 W	3*	2*
4 6	0 9.59	+ 6 57.8	2.687	1.724	7.2	21.5	12 W	3*	5*
			96487 1998 JU_1						
12 27	19 25.67	− 5 31.0	4.139	3.259	6.8	20.3	23 E	17*	—
1 6	19 39.10	− 5 5.8	4.176	3.263	5.6	20.2	19 E	12*	—
1 16	19 52.53	− 4 32.6	4.197	3.265	4.9	20.2	16 E	6*	—
1 26	20 5.87	− 3 51.7	4.200	3.267	4.9	20.2	16 W	9*	—
2 5	20 19.04	− 3 3.8	4.186	3.268	5.6	20.2	19 W	13*	—
2 15	20 31.96	− 2 9.2	4.155	3.267	6.8	20.3	23 W	16*	7*
2 25	20 44.55	− 1 8.5	4.107	3.266	8.2	20.3	28 W	18*	14*
3 7	20 56.74	− 0 2.5	4.043	3.263	9.7	20.3	34 W	21*	21*
3 17	21 8.45	+ 1 8.4	3.964	3.259	11.2	20.4	40 W	23*	28*
3 27	21 19.59	+ 2 23.2	3.870	3.255	12.7	20.4	46 W	26*	34*
4 6	21 30.09	+ 3 41.3	3.765	3.249	14.1	20.3	52 W	28*	40*
4 16	21 39.84	+ 5 1.8	3.647	3.242	15.3	20.3	59 W	31*	46*
4 26	21 48.74	+ 6 23.8	3.520	3.234	16.4	20.3	65 W	34*	50*
5 6	21 56.67	+ 7 46.3	3.384	3.224	17.3	20.2	72 W	37*	53*
5 16	22 3.47	+ 9 8.1	3.243	3.214	18.0	20.1	79 W	41*	54*
5 26	22 8.98	+10 27.6	3.097	3.203	18.4	20.0	87 W	46*	54

96487 1998 JU_1 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 5	22 13.04	+11 43.2	2.950	3.190	18.5	19.9	94 W	50*	52
6 15	22 15.43	+12 52.8	2.805	3.177	18.2	19.8	102 W	55*	51
6 25	22 15.98	+13 53.5	2.663	3.162	17.6	19.6	110 W	58*	50
7 5	22 14.54	+14 42.3	2.530	3.146	16.5	19.5	119 W	60	49
7 15	22 11.01	+15 15.3	2.408	3.130	15.0	19.3	127 W	60	49
7 25	22 5.47	+15 28.7	2.301	3.112	13.1	19.1	136 W	60	49
8 4	21 58.18	+15 19.2	2.214	3.093	11.1	19.0	144 W	60	49
8 14	21 49.61	+14 44.3	2.150	3.073	9.3	18.8	151 W	60	49
8 24	21 40.49	+13 44.4	2.111	3.051	8.4	18.7	154 E	59	50
8 29	21 35.98	+13 6.0	2.101	3.040	8.4	18.7	154 E	58	51
9 3	21 31.64	+12 22.7	2.098	3.029	8.9	18.7	152 E	57	52
9 8	21 27.59	+11 35.4	2.102	3.017	9.6	18.7	150 E	57	52
9 13	21 23.90	+10 45.1	2.113	3.005	10.6	18.8	147 E	56	53
9 18	21 20.67	+ 9 52.6	2.129	2.993	11.7	18.8	143 E	55	54
9 23	21 17.95	+ 8 59.1	2.152	2.981	12.8	18.9	139 E	54	55
9 28	21 15.80	+ 8 5.4	2.180	2.968	14.0	19.0	134 E	53	56
10 3	21 14.23	+ 7 12.5	2.213	2.955	15.1	19.0	130 E	52	57
10 8	21 13.28	+ 6 21.0	2.251	2.942	16.1	19.1	125 E	51	58
10 13	21 12.95	+ 5 31.7	2.292	2.928	17.1	19.1	121 E	51	58
10 23	21 14.13	+ 4 1.7	2.385	2.901	18.6	19.3	111 E	49	60
11 2	21 17.62	+ 2 45.4	2.487	2.872	19.7	19.4	103 E	48	61*
11 12	21 23.22	+ 1 44.4	2.594	2.841	20.3	19.4	94 E	47	60*
11 22	21 30.70	+ 0 59.3	2.702	2.810	20.5	19.5	86 E	46	55*
12 2	21 39.81	+ 0 29.7	2.809	2.778	20.3	19.6	78 E	45	49*
12 12	21 50.34	+ 0 15.1	2.912	2.745	19.8	19.6	70 E	45*	43*
12 22	22 2.06	+ 0 14.4	3.007	2.710	18.9	19.6	63 E	44*	36*
1 1	22 14.82	+ 0 26.6	3.093	2.674	17.8	19.6	56 E	41*	29*
1 11	22 28.46	+ 0 50.5	3.169	2.638	16.5	19.6	49 E	38*	23*
1 21	22 42.86	+ 1 25.0	3.233	2.600	14.9	19.6	43 E	34*	18*

506348 2017 OK_{52}

12 27	19 25.82	−24 1.2	2.630	1.695	8.2	21.0	14 E	3*	7*
1 6	19 55.06	−22 37.5	2.630	1.675	6.4	20.9	11 E	1*	4*
1 16	20 24.12	−20 53.8	2.628	1.658	4.6	20.8	8 E	—	1*
1 26	20 52.84	−18 51.4	2.623	1.644	2.8	20.7	5 E	—	—
2 5	21 21.09	−16 32.4	2.618	1.633	1.0	20.5	2 E	—	—
2 15	21 48.84	−13 58.9	2.612	1.625	1.0	20.5	2 W	—	—
2 25	22 16.04	−11 13.7	2.605	1.620	2.7	20.6	4 W	—	—
3 7	22 42.71	− 8 19.7	2.598	1.618	4.5	20.7	7 W	—	1*
3 17	23 8.90	− 5 19.6	2.590	1.620	6.2	20.8	10 W	—	4*
3 27	23 34.64	− 2 16.4	2.582	1.625	7.9	20.9	13 W	—	7*
4 6	0 0.02	+ 0 47.2	2.573	1.634	9.6	20.9	16 W	—	10*
4 16	0 25.11	+ 3 48.7	2.564	1.645	11.3	21.0	19 W	2*	13*
4 26	0 49.94	+ 6 45.4	2.553	1.659	12.9	21.1	22 W	3*	15*
5 6	1 14.59	+ 9 35.3	2.540	1.677	14.5	21.2	25 W	5*	18*
5 16	1 39.08	+12 16.5	2.525	1.697	16.1	21.2	28 W	7*	21*
5 26	2 3.43	+14 47.2	2.507	1.719	17.6	21.3	31 W	10*	23*
6 5	2 27.63	+17 6.1	2.486	1.743	19.1	21.4	34 W	13*	25*
6 15	2 51.65	+19 12.1	2.460	1.770	20.6	21.4	38 W	16*	27*
6 25	3 15.41	+21 4.7	2.430	1.798	22.0	21.5	41 W	21*	29*

344074 1997 UH_9

12 27	19 25.98	−32 27.2	1.509	0.632	26.3	19.9	17 E	—	10*
1 1	20 1.42	−31 40.2	1.534	0.682	27.8	20.1	19 E	—	13*
1 6	20 34.08	−30 17.3	1.563	0.732	28.5	20.3	21 E	—	15*
1 11	21 3.88	−28 27.8	1.595	0.781	28.6	20.5	22 E	2*	16*
1 16	21 30.94	−26 19.9	1.631	0.827	28.3	20.7	23 E	4*	17*
1 21	21 55.52	−24 0.1	1.669	0.871	27.6	20.8	24 E	6*	17*
1 26	22 17.92	−21 33.3	1.709	0.912	26.8	21.0	25 E	8*	17*
1 31	22 38.44	−19 3.2	1.750	0.950	25.8	21.1	25 E	9*	17*
2 5	22 57.38	−16 32.4	1.791	0.986	24.7	21.2	25 E	10*	17*
2 10	23 14.99	−14 2.6	1.833	1.020	23.6	21.3	24 E	11*	16*
2 15	23 31.51	−11 35.0	1.874	1.050	22.4	21.3	24 E	11*	15*
2 20	23 47.10	− 9 10.4	1.915	1.078	21.1	21.4	23 E	11*	14*
2 25	0 1.94	− 6 49.2	1.954	1.104	19.9	21.5	22 E	11*	13*

469510 2003 MJ_9

12 27	19 26.35	−15 17.3	2.699	1.780	9.2	20.5	17 E	10*	3*
1 6	19 53.08	−13 56.6	2.690	1.751	7.7	20.4	14 E	8*	—
1 16	20 20.09	−12 19.2	2.679	1.724	6.3	20.3	11 E	5*	—
1 26	20 47.23	−10 26.0	2.666	1.700	5.2	20.2	9 E	2*	—
2 5	21 14.41	− 8 18.4	2.652	1.680	4.5	20.1	8 E	—	—
2 15	21 41.58	− 5 58.3	2.639	1.664	4.4	20.1	7 W	1*	—
2 25	22 8.67	− 3 28.1	2.625	1.652	4.9	20.1	8 W	2*	—
3 7	22 35.67	− 0 50.4	2.613	1.643	5.8	20.1	10 W	3*	—
3 17	23 2.57	+ 1 51.8	2.602	1.639	6.9	20.2	11 W	4*	2*
3 27	23 29.37	+ 4 35.6	2.593	1.640	8.2	20.2	14 W	5*	5*
4 6	23 56.08	+ 7 17.8	2.585	1.644	9.5	20.3	16 W	6*	8*
4 16	0 22.73	+ 9 55.5	2.577	1.653	10.9	20.3	18 W	7*	10*
4 26	0 49.29	+12 25.8	2.570	1.666	12.2	20.4	21 W	7*	13*

469510 2003 MJ_9 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 6	1 15.78	+14 46.4	2.562	1.682	13.6	20.5	23 W	9*	15*
5 16	1 42.16	+16 55.1	2.554	1.703	15.0	20.5	26 W	10*	17*
5 26	2 8.36	+18 50.0	2.543	1.727	16.4	20.6	29 W	12*	20*
6 5	2 34.32	+20 29.8	2.530	1.753	17.8	20.7	32 W	14*	22*
6 15	2 59.93	+21 53.5	2.513	1.783	19.2	20.7	35 W	17*	24*
6 25	3 25.05	+23 0.7	2.492	1.816	20.6	20.8	39 W	20*	26*
7 5	3 49.55	+23 51.2	2.465	1.850	21.9	20.9	43 W	24*	28*
7 15	4 13.27	+24 25.4	2.433	1.887	23.1	20.9	47 W	29*	29*
7 25	4 36.00	+24 43.9	2.394	1.926	24.2	20.9	51 W	34*	31*
8 4	4 57.59	+24 47.6	2.349	1.965	25.2	21.0	56 W	39*	32*
8 14	5 17.84	+24 37.9	2.297	2.007	26.1	21.0	61 W	45*	34*
8 24	5 36.54	+24 16.0	2.238	2.049	26.8	21.0	66 W	51*	35*
9 3	5 53.51	+23 43.6	2.172	2.092	27.3	21.0	72 W	56*	37*
9 13	6 8.50	+23 2.3	2.100	2.135	27.5	21.0	78 W	61*	39*
9 23	6 21.28	+22 13.7	2.024	2.179	27.3	20.9	85 W	65*	40*
10 3	6 31.59	+21 19.7	1.945	2.223	26.7	20.9	92 W	66*	42*
10 13	6 39.13	+20 22.0	1.864	2.267	25.6	20.8	100 W	65	44*
10 23	6 43.62	+19 22.1	1.786	2.312	24.0	20.7	109 W	64	45
11 2	6 44.83	+18 21.8	1.713	2.356	21.7	20.6	119 W	63	46
11 12	6 42.59	+17 22.6	1.650	2.400	18.7	20.4	129 W	62	47
11 22	6 37.02	+16 26.2	1.602	2.444	15.0	20.3	140 W	61	48
12 2	6 28.58	+15 34.2	1.575	2.487	10.8	20.1	152 W	61	48
12 12	6 18.08	+14 48.6	1.572	2.531	6.5	20.0	163 W	60	49
12 17	6 12.45	+14 28.7	1.581	2.552	4.6	19.9	168 W	59	50
12 22	6 6.78	+14 11.0	1.598	2.573	3.6	19.9	171 W	59	50
12 27	6 1.23	+13 55.8	1.621	2.594	4.0	20.0	169 E	59	50
1 1	5 55.96	+13 43.1	1.652	2.615	5.5	20.1	165 E	59	50
1 6	5 51.11	+13 33.0	1.691	2.636	7.3	20.3	160 E	59	50
1 11	5 46.80	+13 25.5	1.736	2.657	9.2	20.4	154 E	58	51
1 16	5 43.10	+13 20.5	1.787	2.677	11.0	20.6	149 E	58	51
1 21	5 40.08	+13 17.9	1.844	2.698	12.6	20.7	143 E	58	51

4587 Rees

12 27	19 27.98	− 9 9.6	2.279	1.405	14.5	18.6	21 E	15*	1*
1 6	20 2.24	− 8 37.8	2.339	1.446	12.9	18.7	19 E	13*	—
1 16	20 35.03	− 7 49.8	2.406	1.493	11.1	18.8	17 E	11*	—
1 26	21 6.20	− 6 48.8	2.477	1.543	9.1	18.8	14 E	8*	—
2 5	21 35.74	− 5 38.0	2.550	1.597	7.2	18.9	12 E	5*	—
2 15	22 3.70	− 4 20.6	2.623	1.654	5.2	18.9	9 E	2*	—
2 25	22 30.17	− 2 59.2	2.693	1.713	3.6	19.0	6 W	—	—
3 7	22 55.25	− 1 36.4	2.759	1.773	2.9	19.0	5 W	—	—
3 17	23 19.06	− 0 14.1	2.818	1.834	3.8	19.2	7 W	—	—
3 27	23 41.70	+ 1 5.8	2.869	1.896	5.5	19.4	10 W	—	4*
4 6	0 3.28	+ 2 21.7	2.911	1.959	7.4	19.6	15 W	1*	8*
4 16	0 23.88	+ 3 32.5	2.942	2.021	9.3	19.8	19 W	2*	13*
4 26	0 43.55	+ 4 37.0	2.963	2.083	11.3	19.9	24 W	3*	18*
5 6	1 2.33	+ 5 34.1	2.972	2.145	13.1	20.1	29 W	4*	23*
5 16	1 20.25	+ 6 23.1	2.968	2.206	14.9	20.2	34 W	6*	28*
5 26	1 37.28	+ 7 2.9	2.952	2.267	16.6	20.3	40 W	9*	33*
6 5	1 53.42	+ 7 33.0	2.925	2.327	18.1	20.4	45 W	12*	38*
6 15	2 8.59	+ 7 52.4	2.885	2.386	19.4	20.5	51 W	16*	43*
6 25	2 22.71	+ 8 0.5	2.834	2.444	20.5	20.5	58 W	21*	47*
7 5	2 35.69	+ 7 56.5	2.773	2.501	21.4	20.6	64 W	26*	51*
7 15	2 47.38	+ 7 39.8	2.703	2.557	22.1	20.6	71 W	32*	54*
7 25	2 57.60	+ 7 9.5	2.626	2.612	22.4	20.6	78 W	38*	56*
8 4	3 6.19	+ 6 25.2	2.543	2.667	22.3	20.5	86 W	43*	58*
8 14	3 12.90	+ 5 26.4	2.458	2.720	21.8	20.5	94 W	47*	59
8 24	3 17.51	+ 4 13.0	2.374	2.771	20.9	20.4	102 W	49*	60
9 3	3 19.83	+ 2 45.7	2.294	2.822	19.4	20.3	111 W	48	61
9 13	3 19.66	+ 1 5.8	2.223	2.872	17.5	20.2	121 W	46	63
9 23	3 16.97	− 0 43.3	2.165	2.920	15.1	20.1	131 W	44	65
9 28	3 14.70	− 1 39.9	2.144	2.944	13.8	20.1	136 W	43	66
10 3	3 11.85	− 2 37.0	2.127	2.968	12.4	20.0	140 W	42	67
10 8	3 8.47	− 3 33.6	2.116	2.991	11.0	20.0	145 W	41	68
10 13	3 4.64	− 4 28.8	2.112	3.014	9.7	20.0	149 W	41	68
10 18	3 0.43	− 5 21.6	2.114	3.037	8.5	19.9	153 W	40	69
10 23	2 55.94	− 6 11.1	2.123	3.059	7.6	19.9	156 W	39	70
10 28	2 51.28	− 6 56.4	2.140	3.081	7.1	19.9	157 W	38	71
11 2	2 46.54	− 7 36.9	2.164	3.103	7.1	20.0	157 W	37	72
11 12	2 37.32	− 8 40.8	2.234	3.146	8.3	20.1	153 E	36	73
11 22	2 29.11	− 9 20.3	2.331	3.188	10.4	20.3	145 E	36	73
12 2	2 22.50	− 9 36.0	2.453	3.228	12.4	20.5	135 E	35	74
12 12	2 17.88	− 9 30.3	2.595	3.268	14.2	20.7	126 E	35	74
12 22	2 15.38	− 9 6.8	2.752	3.306	15.5	20.9	116 E	36	73
1 1	2 14.96	− 8 29.3	2.921	3.343	16.3	21.1	107 E	37	72
1 11	2 16.47	− 7 41.5	3.097	3.380	16.7	21.3	98 E	37	71*
1 21	2 19.73	− 6 46.5	3.276	3.415	16.7	21.4	90 E	38	66*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
95696 2002 JU_{75}									
12 27	19 28.00	−39 23.4	3.666	2.771	7.3	20.0	21 E	—	14*
1 6	19 48.37	−38 26.3	3.665	2.747	6.4	19.9	18 E	—	9*
1 16	20 8.66	−37 22.9	3.649	2.723	6.0	19.9	17 E	—	6*
1 26	20 28.76	−36 13.6	3.620	2.697	6.3	19.8	17 W	—	4*
2 5	20 48.60	−34 58.7	3.577	2.670	7.2	19.8	20 W	—	8*
2 15	21 8.13	−33 38.5	3.521	2.643	8.5	19.8	23 W	—	13*
2 25	21 27.30	−32 13.9	3.452	2.614	10.1	19.8	28 W	—	17*
3 7	21 46.06	−30 45.4	3.371	2.585	11.8	19.8	32 W	—	22*
3 17	22 4.41	−29 13.8	3.279	2.554	13.5	19.8	37 W	—	27*
3 27	22 22.31	−27 39.9	3.177	2.523	15.3	19.8	42 W	—	32*
4 6	22 39.75	−26 4.4	3.065	2.491	17.1	19.7	47 W	—	38*
4 16	22 56.71	−24 28.1	2.945	2.458	18.8	19.7	52 W	—	43*
4 26	23 13.17	−22 52.0	2.818	2.424	20.4	19.6	57 W	—	49*
5 6	23 29.11	−21 16.7	2.684	2.390	22.0	19.5	62 W	1*	55*
5 16	23 44.48	−19 43.0	2.545	2.354	23.4	19.4	68 W	3*	61*
5 26	23 59.21	−18 11.7	2.401	2.319	24.7	19.3	73 W	7*	67*
6 5	0 13.23	−16 43.4	2.254	2.282	25.8	19.1	79 W	10*	72*
6 15	0 26.42	−15 18.7	2.106	2.245	26.8	19.0	84 W	15*	77*
6 25	0 38.61	−13 58.2	1.956	2.207	27.4	18.8	90 W	20*	78*
7 5	0 49.61	−12 42.0	1.807	2.169	27.8	18.6	96 W	25*	77
7 15	0 59.11	−11 30.5	1.660	2.131	27.7	18.4	103 W	29*	76
7 25	1 6.74	−10 23.3	1.516	2.092	27.2	18.1	110 W	33*	74
8 4	1 12.05	− 9 19.4	1.378	2.054	26.0	17.8	117 W	36*	73
8 14	1 14.43	− 8 17.3	1.248	2.015	24.1	17.5	126 W	37	72
8 24	1 13.25	− 7 14.2	1.128	1.977	21.2	17.2	135 W	38	71
9 3	1 7.88	− 6 5.9	1.022	1.938	17.3	16.8	145 W	39	70
9 13	0 57.91	− 4 47.5	0.935	1.901	12.2	16.4	157 W	40	69
9 23	0 43.64	− 3 13.4	0.869	1.863	6.1	15.9	169 W	42	67
10 3	0 26.28	− 1 20.7	0.829	1.827	3.1	15.6	174 E	44	65
10 13	0 8.06	+ 0 49.2	0.815	1.792	9.6	15.9	163 E	46	63
10 18	23 59.48	+ 1 59.3	0.818	1.775	13.2	16.0	156 E	47	62
10 23	23 51.66	+ 3 11.7	0.827	1.759	16.6	16.1	150 E	48	61
10 28	23 44.84	+ 4 25.5	0.841	1.742	19.9	16.2	143 E	49	60
11 2	23 39.18	+ 5 40.3	0.859	1.726	22.9	16.3	137 E	51	58
11 12	23 31.76	+ 8 11.5	0.909	1.696	27.9	16.6	127 E	53	56
11 22	23 29.59	+10 44.3	0.969	1.668	31.8	16.8	117 E	56	53
12 2	23 32.28	+13 19.0	1.036	1.643	34.7	17.0	109 E	58	51*
12 12	23 39.29	+15 56.9	1.106	1.620	36.6	17.2	101 E	61	46*
12 22	23 50.06	+18 38.6	1.178	1.600	37.8	17.3	95 E	64	40*
1 1	0 4.13	+21 23.9	1.249	1.584	38.4	17.4	90 E	66	35*
1 11	0 21.23	+24 12.2	1.318	1.571	38.6	17.5	85 E	69*	29*
1 21	0 41.12	+27 1.5	1.386	1.561	38.4	17.6	80 E	70*	24*
508808 2000 UK_{19}									
12 27	19 28.02	−29 25.9	2.718	1.791	8.5	21.3	16 E	—	10*
1 6	19 57.74	−28 32.1	2.707	1.762	7.1	21.2	13 E	—	7*
1 16	20 27.61	−27 16.3	2.694	1.735	5.9	21.1	10 E	—	4*
1 26	20 57.39	−25 39.1	2.678	1.712	5.1	21.0	9 E	—	2*
2 5	21 26.87	−23 42.0	2.661	1.691	4.8	21.0	8 E	—	—
2 15	21 55.91	−21 26.8	2.644	1.674	5.1	21.0	9 E	—	—
2 25	22 24.40	−18 56.1	2.627	1.661	5.9	21.0	10 W	—	—
3 7	22 52.29	−16 12.7	2.611	1.651	7.0	21.0	12 W	—	3*
3 17	23 19.58	−13 19.7	2.595	1.645	8.2	21.0	14 W	—	5*
3 27	23 46.26	−10 20.2	2.581	1.643	9.5	21.1	16 W	—	8*
4 6	0 12.39	− 7 17.6	2.568	1.645	10.8	21.1	18 W	—	10*
4 16	0 38.02	− 4 14.6	2.555	1.651	12.2	21.2	20 W	—	13*
4 26	1 3.18	− 1 14.2	2.542	1.661	13.6	21.2	23 W	—	16*
5 6	1 27.94	+ 1 41.1	2.529	1.675	15.0	21.3	25 W	—	19*
5 16	1 52.32	+ 4 29.3	2.515	1.692	16.3	21.3	28 W	—	22*
5 26	2 16.35	+ 7 8.3	2.499	1.712	17.7	21.4	31 W	2*	25*
6 5	2 40.03	+ 9 37.0	2.480	1.736	19.1	21.4	34 W	5*	28*
6 15	3 3.34	+11 54.1	2.458	1.762	20.5	21.5	37 W	9*	30*
165144 2000 QO_7									
12 27	19 28.03	− 9 57.0	2.531	1.645	12.0	20.1	20 E	14*	1*
1 6	19 57.10	− 9 40.7	2.560	1.649	10.3	20.1	17 E	11*	—
1 16	20 25.87	− 9 8.5	2.589	1.655	8.6	20.0	15 E	8*	—
1 26	20 54.21	− 8 22.2	2.617	1.665	6.8	20.0	12 E	5*	—
2 5	21 22.00	− 7 23.9	2.645	1.677	5.2	20.0	9 E	1*	—
2 15	21 49.20	− 6 15.8	2.669	1.692	3.9	19.9	7 W	—	—
2 25	22 15.76	− 5 0.2	2.691	1.710	3.4	19.9	6 W	—	—
3 7	22 41.67	− 3 39.7	2.709	1.729	4.1	20.0	7 W	—	—
3 17	23 6.96	− 2 16.4	2.723	1.751	5.6	20.1	10 W	—	3*
3 27	23 31.64	− 0 52.6	2.731	1.775	7.4	20.3	13 W	1*	7*
4 6	23 55.74	+ 0 29.6	2.734	1.801	9.3	20.4	17 W	1*	11*
4 16	0 19.30	+ 1 48.4	2.731	1.828	11.2	20.5	21 W	1*	15*
4 26	0 42.33	+ 3 2.0	2.721	1.856	13.2	20.6	25 W	2*	19*
5 6	1 4.85	+ 4 8.8	2.704	1.886	15.0	20.7	29 W	3*	23*
5 16	1 26.88	+ 5 7.4	2.680	1.916	16.8	20.7	33 W	4*	27*
5 26	1 48.37	+ 5 56.2	2.648	1.948	18.5	20.8	38 W	6*	31*
6 5	2 9.31	+ 6 34.3	2.610	1.979	20.1	20.9	42 W	9*	36*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
165144 2000 QO_7 *(continuation)*									
6 15	2 29.65	+ 7 0.4	2.564	2.012	21.6	20.9	47 W	12*	40*
6 25	2 49.29	+ 7 13.6	2.511	2.044	23.0	20.9	52 W	16*	43*
7 5	3 8.16	+ 7 12.9	2.451	2.077	24.2	21.0	57 W	20*	47*
7 15	3 26.12	+ 6 57.7	2.385	2.110	25.2	21.0	62 W	25*	50*
7 25	3 43.01	+ 6 27.3	2.313	2.143	26.0	21.0	68 W	30*	53*
8 4	3 58.68	+ 5 41.3	2.237	2.176	26.5	20.9	73 W	36*	56*
8 14	4 12.91	+ 4 39.2	2.156	2.209	26.8	20.9	79 W	40*	58*
8 24	4 25.45	+ 3 21.2	2.074	2.241	26.7	20.8	86 W	43*	60*
9 3	4 36.04	+ 1 47.5	1.990	2.273	26.3	20.8	93 W	45*	62*
9 13	4 44.38	− 0 1.0	1.908	2.304	25.5	20.7	100 W	45*	64
9 23	4 50.16	− 2 2.3	1.830	2.335	24.2	20.6	107 W	43	66
10 3	4 53.09	− 4 13.3	1.759	2.366	22.5	20.5	115 W	41	68
10 8	4 53.40	− 5 21.1	1.727	2.381	21.5	20.4	119 W	40	69
10 13	4 52.93	− 6 29.1	1.699	2.395	20.4	20.4	123 W	39	70
10 18	4 51.66	− 7 36.6	1.674	2.410	19.2	20.3	127 W	37	72
10 23	4 49.62	− 8 42.3	1.652	2.425	18.0	20.3	131 W	36	73
10 28	4 46.84	− 9 45.1	1.636	2.439	16.8	20.2	135 W	35	74
11 2	4 43.36	−10 43.9	1.624	2.453	15.7	20.2	138 W	34	75
11 7	4 39.28	−11 37.2	1.617	2.467	14.7	20.1	141 W	33	76
11 12	4 34.69	−12 23.7	1.616	2.481	13.8	20.1	143 W	33	76
11 17	4 29.74	−13 2.6	1.621	2.495	13.2	20.1	145 W	32	77
11 22	4 24.56	−13 33.0	1.632	2.508	13.0	20.1	145 W	31	78
11 27	4 19.29	−13 54.3	1.649	2.521	13.0	20.2	145 W	31	78
12 2	4 14.11	−14 6.3	1.671	2.534	13.3	20.2	144 E	31	78
12 12	4 4.53	−14 2.8	1.734	2.560	14.6	20.4	139 E	31	78
12 22	3 56.81	−13 26.3	1.817	2.585	16.3	20.5	132 E	32	77
1 1	3 51.53	−12 23.4	1.919	2.608	18.0	20.7	125 E	33	76
1 11	3 48.96	−11 1.3	2.036	2.631	19.5	20.9	117 E	34	75
1 21	3 49.05	− 9 26.9	2.163	2.654	20.5	21.1	109 E	36	73
170176 2003 MU_1									
12 27	19 28.41	−23 32.1	2.549	1.618	9.0	20.4	15 E	3*	7*
1 6	19 59.41	−22 23.6	2.579	1.629	7.2	20.3	12 E	2*	4*
1 16	20 29.61	−20 54.9	2.608	1.644	5.4	20.3	9 E	—	2*
1 26	20 58.85	−19 9.0	2.637	1.661	3.6	20.2	6 E	—	—
2 5	21 27.06	−17 8.9	2.665	1.681	1.9	20.2	3 E	—	—
2 15	21 54.21	−14 57.8	2.690	1.704	1.3	20.2	2 E	—	—
2 25	22 20.31	−12 38.8	2.714	1.729	2.6	20.3	5 W	—	—
3 7	22 45.41	−10 14.8	2.734	1.756	4.4	20.5	8 W	—	2*
3 17	23 9.59	− 7 48.3	2.750	1.785	6.2	20.6	11 W	—	5*
3 27	23 32.91	− 5 21.8	2.762	1.815	8.0	20.8	15 W	—	9*
4 6	23 55.45	− 2 57.1	2.768	1.847	9.9	20.9	18 W	—	12*
4 16	0 17.27	− 0 36.0	2.769	1.880	11.7	21.0	22 W	—	16*
4 26	0 38.43	+ 1 39.9	2.763	1.914	13.5	21.1	26 W	2*	20*
5 6	0 58.96	+ 3 49.6	2.750	1.948	15.2	21.2	30 W	4*	24*
5 16	1 18.89	+ 5 52.0	2.729	1.983	16.9	21.3	35 W	6*	28*
5 26	1 38.21	+ 7 46.2	2.700	2.019	18.5	21.3	39 W	9*	32*
6 5	1 56.92	+ 9 31.7	2.664	2.055	20.0	21.4	44 W	13*	36*
6 15	2 14.97	+11 8.0	2.618	2.091	21.4	21.4	49 W	17*	39*
6 25	2 32.27	+12 34.8	2.565	2.127	22.6	21.5	54 W	22*	42*
7 5	2 48.76	+13 51.9	2.503	2.163	23.8	21.5	59 W	28*	44*
7 15	3 4.28	+14 59.4	2.433	2.198	24.7	21.5	65 W	35*	45*
7 25	3 18.67	+15 57.2	2.357	2.234	25.4	21.5	71 W	42*	46*
8 4	3 31.74	+16 45.8	2.273	2.269	25.8	21.4	77 W	48*	47*
8 14	3 43.24	+17 25.3	2.184	2.303	25.9	21.4	84 W	55*	47*
8 24	3 52.87	+17 56.2	2.092	2.337	25.6	21.3	91 W	60*	46
9 3	4 0.33	+18 19.1	1.998	2.371	24.9	21.2	99 W	63*	46
9 13	4 5.24	+18 34.0	1.905	2.403	23.6	21.1	107 W	64	45
9 23	4 7.28	+18 41.5	1.817	2.436	21.6	21.0	116 W	64	45
10 3	4 6.17	+18 41.4	1.737	2.467	19.0	20.8	127 W	64	45
10 13	4 1.80	+18 33.7	1.670	2.498	15.7	20.7	137 W	64	45
10 23	3 54.38	+18 18.5	1.622	2.528	11.7	20.5	149 W	63	46
11 2	3 44.50	+17 56.4	1.596	2.557	7.1	20.3	161 W	63	46
11 7	3 38.94	+17 43.2	1.594	2.571	4.7	20.2	168 W	63	46
11 12	3 33.18	+17 29.2	1.598	2.585	2.3	20.0	174 W	62	47
11 17	3 27.38	+17 14.8	1.610	2.599	0.6	19.9	178 E	62	47
11 22	3 21.72	+17 0.5	1.630	2.612	2.7	20.1	173 E	62	47
11 27	3 16.35	+16 46.8	1.656	2.626	5.1	20.3	166 E	62	47
12 2	3 11.39	+16 34.4	1.690	2.639	7.3	20.5	160 E	62	47
12 12	3 3.20	+16 15.0	1.777	2.665	11.3	20.8	148 E	61	48
12 22	2 57.74	+16 5.4	1.888	2.689	14.5	21.0	137 E	61	48
1 1	2 55.17	+16 6.7	2.018	2.713	17.1	21.3	126 E	61	48
1 11	2 55.41	+16 18.9	2.161	2.736	18.9	21.5	116 E	61	48
450649 2006 UY_{64}									
12 27	19 28.66	−34 31.4	1.727	0.849	21.1	21.4	18 E	—	12*
1 1	19 57.03	−33 26.0	1.732	0.862	21.6	21.4	19 E	—	13*
1 6	20 24.20	−31 56.7	1.740	0.875	21.9	21.5	19 E	—	13*
1 11	20 50.02	−30 6.8	1.749	0.889	22.1	21.5	20 E	—	14*
1 16	21 14.41	−27 59.9	1.761	0.904	22.1	21.6	20 E	1*	14*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
410186 2007 RH_{103}									
	h m	° ′			°	m	°	°	°
12 27	19 29.28	−19 34.5	2.483	1.560	9.8	21.3	16 E	7*	6*
1 6	20 0.43	−18 22.2	2.494	1.552	8.2	21.2	13 E	5*	3*
1 16	20 31.29	−16 49.4	2.506	1.548	6.6	21.1	10 E	3*	—
1 26	21 1.66	−14 58.2	2.518	1.548	4.9	21.1	8 E	1*	—
2 5	21 31.41	−12 51.3	2.532	1.552	3.3	21.0	5 E	—	—
2 15	22 0.49	−10 31.9	2.546	1.560	1.7	20.9	3 E	—	—
2 25	22 28.83	− 8 3.3	2.561	1.572	0.9	20.9	1 W	—	—
3 7	22 56.47	− 5 28.8	2.576	1.586	2.1	21.0	3 W	—	—
3 17	23 23.43	− 2 51.5	2.591	1.605	3.7	21.1	6 W	—	—
3 27	23 49.77	− 0 14.4	2.605	1.626	5.3	21.3	9 W	—	3*
4 6	0 15.53	+ 2 19.9	2.618	1.650	7.0	21.4	12 W	—	6*
372369 2009 LC									
12 27	19 29.49	−13 11.5	2.842	1.936	9.3	20.3	19 E	12*	3*
1 6	19 52.73	−11 35.2	2.833	1.903	7.9	20.2	15 E	9*	—
1 16	20 16.29	− 9 44.8	2.818	1.871	6.7	20.1	13 E	6*	—
1 26	20 40.10	− 7 40.5	2.796	1.841	6.0	20.0	11 E	3*	—
2 5	21 4.13	− 5 22.9	2.771	1.812	5.9	20.0	11 W	3*	—
2 15	21 28.38	− 2 53.1	2.741	1.785	6.5	19.9	12 W	5*	—
2 25	21 52.83	− 0 12.4	2.709	1.761	7.4	19.9	13 W	7*	—
3 7	22 17.50	+ 2 37.3	2.676	1.739	8.7	19.9	15 W	9*	2*
3 17	22 42.46	+ 5 33.8	2.642	1.719	10.0	19.9	17 W	10*	5*
3 27	23 7.73	+ 8 34.7	2.608	1.702	11.4	19.9	20 W	12*	8*
4 6	23 33.37	+11 37.0	2.575	1.689	12.8	19.9	22 W	13*	11*
4 16	23 59.47	+14 37.8	2.544	1.678	14.1	20.0	24 W	14*	13*
4 26	0 26.05	+17 33.6	2.513	1.670	15.4	20.0	26 W	15*	15*
5 6	0 53.15	+20 21.2	2.484	1.666	16.7	20.0	28 W	16*	16*
5 16	1 20.80	+22 57.4	2.455	1.666	18.0	20.0	31 W	18*	18*
5 26	1 48.95	+25 19.1	2.427	1.668	19.2	20.0	33 W	19*	19*
6 5	2 17.53	+27 23.5	2.399	1.674	20.4	20.0	35 W	21*	20*
6 15	2 46.41	+29 8.4	2.369	1.684	21.6	20.1	38 W	24*	21*
6 25	3 15.38	+30 32.0	2.338	1.696	22.8	20.1	40 W	27*	22*
7 5	3 44.21	+31 33.3	2.305	1.712	24.0	20.1	43 W	30*	22*
7 15	4 12.63	+32 11.9	2.268	1.730	25.2	20.1	46 W	34*	23*
7 25	4 40.31	+32 28.2	2.227	1.752	26.3	20.1	50 W	38*	24*
8 4	5 6.96	+32 23.2	2.181	1.775	27.3	20.2	53 W	42*	25*
8 14	5 32.29	+31 58.5	2.130	1.801	28.3	20.2	58 W	47*	26*
8 24	5 56.03	+31 15.8	2.073	1.829	29.2	20.2	62 W	51*	27*
9 3	6 17.95	+30 17.4	2.010	1.858	29.9	20.2	67 W	56*	29*
9 13	6 37.81	+29 5.4	1.941	1.890	30.4	20.1	72 W	61*	31*
9 23	6 55.39	+27 42.0	1.868	1.922	30.7	20.1	78 W	65*	33*
10 3	7 10.49	+26 9.4	1.790	1.956	30.6	20.0	84 W	68*	35*
10 13	7 22.82	+24 29.4	1.709	1.990	30.1	20.0	91 W	69*	38*
10 23	7 32.11	+22 44.0	1.626	2.026	29.1	19.9	98 W	68	41*
11 2	7 38.05	+20 54.7	1.545	2.062	27.5	19.7	107 W	66	43*
11 12	7 40.30	+19 3.2	1.468	2.098	25.1	19.6	116 W	64	45
11 22	7 38.65	+17 11.3	1.400	2.135	22.0	19.4	126 W	62	47
12 2	7 33.10	+15 21.3	1.346	2.172	18.1	19.3	137 W	60	49
12 12	7 23.99	+13 36.3	1.310	2.209	13.6	19.1	148 W	59	50
12 17	7 18.37	+12 46.9	1.301	2.228	11.2	19.0	154 W	58	51
12 22	7 12.25	+12 0.3	1.299	2.246	8.9	18.9	159 W	57	52
12 27	7 5.82	+11 17.0	1.303	2.265	6.8	18.9	164 W	56	53
1 1	6 59.27	+10 37.6	1.314	2.283	5.5	18.8	167 W	56	53
1 6	6 52.81	+10 2.5	1.333	2.302	5.5	18.9	167 E	55	54
1 11	6 46.66	+ 9 32.0	1.358	2.320	6.7	19.0	164 E	55	54
1 16	6 40.99	+ 9 6.2	1.391	2.338	8.5	19.1	160 E	54	55
1 21	6 35.93	+ 8 45.0	1.430	2.356	10.4	19.3	154 E	54	55
185702 1998 HK_3									
12 27	19 29.67	−36 17.8	2.167	1.281	14.7	20.9	19 E	—	13*
1 1	19 51.52	−35 25.6	2.173	1.283	14.4	20.9	19 E	—	12*
1 6	20 12.87	−34 20.7	2.180	1.286	14.1	20.9	19 E	—	12*
1 11	20 33.60	−33 4.1	2.190	1.291	13.7	20.9	18 E	—	12*
1 16	20 53.65	−31 36.9	2.201	1.298	13.2	20.9	18 E	—	11*
1 21	21 12.96	−30 0.6	2.214	1.305	12.7	21.0	17 E	—	11*
1 26	21 31.53	−28 16.4	2.229	1.314	12.2	21.0	16 E	—	10*
1 31	21 49.34	−26 25.8	2.245	1.323	11.6	21.0	16 E	—	10*
2 5	22 6.44	−24 29.9	2.263	1.334	10.9	21.0	15 E	—	9*
2 10	22 22.86	−22 29.9	2.282	1.346	10.3	21.0	14 E	—	8*
2 15	22 38.63	−20 26.9	2.302	1.359	9.5	21.0	13 E	—	7*
2 20	22 53.81	−18 21.9	2.323	1.373	8.8	21.0	12 E	—	6*
2 25	23 8.43	−16 15.7	2.344	1.387	8.0	21.0	11 E	—	5*
3 2	23 22.55	−14 9.1	2.366	1.403	7.3	21.0	10 E	—	4*
3 7	23 36.22	−12 2.6	2.389	1.419	6.5	21.0	9 E	—	3*
3 12	23 49.49	− 9 56.9	2.411	1.435	5.8	21.1	8 E	—	2*
3 17	0 2.39	− 7 52.4	2.433	1.452	5.2	21.1	8 E	—	—
3 22	0 14.97	− 5 49.5	2.455	1.470	4.6	21.1	7 E	—	—
3 27	0 27.25	− 3 48.5	2.476	1.488	4.3	21.1	6 E	—	—
4 1	0 39.29	− 1 49.7	2.496	1.507	4.2	21.2	6 W	—	—
4 6	0 51.11	+ 0 6.8	2.516	1.526	4.3	21.2	7 W	—	—
4 11	1 2.73	+ 2 0.7	2.534	1.545	4.7	21.3	7 W	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
185702 1998 HK_3 *(continuation)*									
	h m	° ′			°	m	°	°	°
4 16	1 14.19	+ 3 52.0	2.551	1.565	5.3	21.3	8 W	—	2*
4 21	1 25.51	+ 5 40.5	2.567	1.584	6.0	21.4	9 W	—	3*
4 26	1 36.70	+ 7 26.2	2.581	1.604	6.8	21.5	11 W	—	5*
511600 2015 AZ_{245}									
12 27	19 29.84	+21 11.8	1.398	1.029	44.7	19.3	47 E	37*	—
1 1	19 55.41	+24 6.7	1.425	1.095	43.5	19.4	50 E	40*	—
1 6	20 21.07	+26 42.1	1.460	1.159	42.2	19.6	52 E	42*	—
1 11	20 46.59	+28 57.6	1.503	1.222	40.7	19.7	54 E	43*	—
1 16	21 11.73	+30 53.7	1.555	1.283	39.1	19.9	55 E	44*	—
1 21	21 36.27	+32 31.5	1.613	1.343	37.5	20.0	56 E	45*	—
1 26	22 0.01	+33 52.7	1.678	1.402	35.9	20.1	57 E	45*	—
1 31	22 22.83	+34 59.1	1.749	1.459	34.3	20.3	57 E	45*	—
2 5	22 44.64	+35 53.1	1.824	1.514	32.7	20.4	56 E	45*	—
2 10	23 5.41	+36 36.5	1.902	1.569	31.2	20.5	55 E	44*	—
2 15	23 25.14	+37 11.4	1.984	1.621	29.7	20.6	54 E	43*	—
2 20	23 43.85	+37 39.4	2.068	1.673	28.2	20.7	53 E	42*	—
2 25	0 1.59	+38 1.9	2.153	1.723	26.8	20.9	52 E	41*	—
3 2	0 18.42	+38 20.0	2.239	1.772	25.3	21.0	50 E	39*	—
3 7	0 34.41	+38 34.6	2.325	1.820	24.0	21.1	48 E	38*	—
3 12	0 49.63	+38 46.5	2.411	1.866	22.6	21.1	46 E	36*	—
3 17	1 4.15	+38 56.4	2.496	1.912	21.3	21.2	44 E	34*	—
3 22	1 18.02	+39 4.7	2.579	1.956	19.9	21.3	42 E	32*	—
3 27	1 31.30	+39 11.7	2.660	1.999	18.7	21.4	40 E	30*	—
4 1	1 44.04	+39 17.6	2.739	2.042	17.4	21.5	38 E	28*	—
508871 2003 CN_{17}									
12 27	19 30.19	−30 48.6	1.993	1.087	15.0	21.4	17 E	—	11*
1 1	19 51.61	−28 52.6	2.034	1.122	13.9	21.5	16 E	—	10*
1 6	20 11.46	−26 50.2	2.078	1.158	12.8	21.6	15 E	—	9*
1 11	20 29.88	−24 43.7	2.123	1.194	11.6	21.6	14 E	1*	8*
1 16	20 47.02	−22 35.1	2.170	1.232	10.4	21.7	13 E	1*	6*
354820 2005 WR_{97}									
12 27	19 30.28	−24 30.3	2.549	1.621	9.2	21.1	15 E	3*	8*
1 6	20 1.16	−23 23.4	2.561	1.614	7.5	21.0	12 E	1*	5*
1 16	20 31.66	−21 54.9	2.572	1.610	5.8	20.9	9 E	—	3*
1 26	21 1.60	−20 6.9	2.582	1.609	4.2	20.9	7 E	—	—
2 5	21 30.83	−18 1.9	2.591	1.610	2.7	20.8	4 E	—	—
2 15	21 59.31	−15 42.9	2.600	1.615	2.0	20.8	3 E	—	—
2 25	22 26.99	−13 12.9	2.608	1.622	2.6	20.8	4 W	—	—
3 7	22 53.89	−10 35.1	2.614	1.632	3.9	20.9	7 W	—	—
3 17	23 20.08	− 7 52.4	2.620	1.645	5.5	21.0	9 W	—	3*
3 27	23 45.59	− 5 7.7	2.623	1.660	7.2	21.1	12 W	—	6*
4 6	0 10.50	− 2 23.7	2.624	1.678	8.9	21.2	15 W	—	9*
4 16	0 34.90	+ 0 17.5	2.623	1.698	10.6	21.3	18 W	—	12*
4 26	0 58.82	+ 2 53.6	2.618	1.720	12.2	21.4	21 W	—	15*
5 6	1 22.33	+ 5 23.0	2.610	1.743	13.9	21.5	25 W	1*	19*
252373 2001 SA_{270}									
12 27	19 30.42	− 6 18.8	1.428	0.655	36.7	19.3	23 E	17*	—
1 1	20 2.19	− 4 37.5	1.478	0.735	36.0	19.7	26 E	20*	2*
1 6	20 31.09	− 3 6.4	1.536	0.813	34.7	19.9	28 E	22*	3*
1 11	20 57.38	− 1 44.2	1.602	0.888	32.9	20.1	29 E	23*	4*
1 16	21 21.34	− 0 29.4	1.674	0.959	30.9	20.4	30 E	24*	4*
1 21	21 43.25	+ 0 38.9	1.749	1.028	28.9	20.5	30 E	24*	4*
1 26	22 3.36	+ 1 41.8	1.827	1.094	26.9	20.7	30 E	24*	4*
1 31	22 21.92	+ 2 40.0	1.906	1.157	24.9	20.9	30 E	23*	4*
2 5	22 39.14	+ 3 34.4	1.986	1.217	22.9	21.0	29 E	23*	4*
2 10	22 55.20	+ 4 25.5	2.066	1.275	21.0	21.1	28 E	22*	3*
2 15	23 10.26	+ 5 13.7	2.144	1.330	19.1	21.2	26 E	20*	3*
2 20	23 24.46	+ 5 59.5	2.220	1.384	17.3	21.3	25 E	19*	2*
2 25	23 37.89	+ 6 43.0	2.295	1.434	15.5	21.4	23 E	17*	2*
105674 2000 SQ_{42}									
12 27	19 30.84	− 6 52.5	3.375	2.500	8.9	20.7	23 E	17*	—
1 6	19 48.86	− 6 35.9	3.376	2.465	7.4	20.6	19 E	12*	—
1 16	20 7.25	− 6 8.7	3.364	2.429	6.2	20.5	15 E	8*	—
1 26	20 25.92	− 5 31.3	3.340	2.393	5.5	20.5	13 W	5*	—
2 5	20 44.82	− 4 44.2	3.304	2.356	5.6	20.4	13 W	7*	—
2 15	21 3.93	− 3 48.1	3.256	2.318	6.4	20.4	15 W	9*	1*
2 25	21 23.20	− 2 43.8	3.198	2.280	7.9	20.4	18 W	11*	7*
3 7	21 42.62	− 1 32.2	3.129	2.240	9.6	20.4	22 W	12*	12*
3 17	22 2.21	− 0 14.4	3.050	2.201	11.5	20.3	26 W	13*	17*
3 27	22 21.96	+ 1 8.7	2.963	2.161	13.5	20.3	30 W	14*	22*
4 6	22 41.91	+ 2 35.6	2.868	2.120	15.5	20.3	34 W	15*	26*
4 16	23 2.10	+ 4 5.1	2.766	2.079	17.5	20.2	39 W	17*	30*
4 26	23 22.58	+ 5 35.6	2.658	2.038	19.6	20.2	43 W	18*	34*
5 6	23 43.41	+ 7 5.6	2.546	1.998	21.6	20.1	47 W	19*	38*
5 16	0 4.67	+ 8 33.2	2.429	1.957	23.7	20.0	51 W	21*	41*
5 26	0 26.41	+ 9 56.3	2.309	1.916	25.6	19.9	55 W	23*	44*

105674 2000 *SQ*42 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 5	0 48.71	+11 12.8	2.188	1.877	27.6	19.8	59 W	26*	46*
6 15	1 11.65	+12 20.0	2.066	1.837	29.4	19.7	63 W	29*	47*
6 25	1 35.25	+13 14.9	1.944	1.799	31.2	19.6	67 W	33*	48*
7 5	1 59.56	+13 54.5	1.823	1.762	32.9	19.4	70 W	37*	49*
7 10	2 11.98	+14 7.4	1.763	1.744	33.7	19.3	72 W	39*	49*
7 15	2 24.56	+14 15.0	1.704	1.727	34.5	19.3	74 W	41*	49*
7 20	2 37.30	+14 16.8	1.646	1.709	35.2	19.2	76 W	43*	49*
7 25	2 50.18	+14 12.5	1.589	1.693	35.9	19.1	78 W	45*	49*
7 30	3 3.19	+14 1.4	1.533	1.677	36.5	19.0	79 W	47*	50*
8 4	3 16.31	+13 43.2	1.479	1.661	37.1	19.0	81 W	48*	50*
8 9	3 29.51	+13 17.2	1.426	1.646	37.7	18.9	83 W	50*	51*
8 14	3 42.74	+12 43.1	1.374	1.632	38.2	18.8	85 W	51*	51*
8 19	3 55.97	+12 0.5	1.324	1.618	38.6	18.7	87 W	52*	52*
8 24	4 9.16	+11 9.0	1.276	1.605	39.0	18.6	88 W	52*	53*
9 3	4 35.25	+ 8 58.8	1.186	1.582	39.6	18.4	92 W	52*	55
9 13	5 0.52	+ 6 11.6	1.105	1.562	39.9	18.3	95 W	51*	58
9 23	5 24.51	+ 2 49.5	1.033	1.546	39.9	18.1	99 W	48	61
10 3	5 46.71	− 1 3.2	0.970	1.533	39.7	17.9	102 W	44	65
10 8	5 56.96	− 3 8.8	0.942	1.528	39.4	17.9	104 W	42	67
10 13	6 6.54	− 5 19.0	0.917	1.525	39.1	17.8	105 W	40	69
10 18	6 15.40	− 7 32.4	0.894	1.522	38.7	17.7	107 W	37	72
10 23	6 23.47	− 9 47.4	0.874	1.521	38.3	17.7	109 W	35	74
10 28	6 30.69	−12 2.5	0.855	1.520	37.8	17.6	110 W	33	76
11 2	6 36.98	−14 15.9	0.839	1.521	37.2	17.5	112 W	31	78
11 7	6 42.28	−16 25.6	0.825	1.523	36.6	17.5	114 W	29	80
11 12	6 46.54	−18 29.7	0.812	1.526	35.9	17.4	115 W	27	82
11 17	6 49.73	−20 26.0	0.802	1.530	35.2	17.4	117 W	25	84
11 22	6 51.84	−22 12.7	0.793	1.535	34.4	17.4	119 W	23	86
11 27	6 52.86	−23 47.9	0.786	1.541	33.6	17.3	120 W	21	88
12 2	6 52.80	−25 9.4	0.781	1.548	32.8	17.3	122 W	20	89
12 7	6 51.74	−26 15.2	0.777	1.556	31.9	17.3	123 W	19	90
12 12	6 49.81	−27 3.7	0.776	1.564	31.0	17.3	125 W	18	89
12 17	6 47.16	−27 33.5	0.776	1.574	30.2	17.2	126 W	17	88
12 22	6 44.00	−27 43.8	0.779	1.585	29.4	17.2	128 W	17	88
12 27	6 40.52	−27 34.1	0.783	1.597	28.6	17.2	129 W	17	88
1 1	6 36.96	−27 4.6	0.791	1.609	28.0	17.3	130 E	18	89
1 6	6 33.57	−26 15.7	0.800	1.622	27.4	17.3	131 E	19	90
1 11	6 30.59	−25 9.1	0.813	1.636	27.0	17.3	131 E	20	89
1 16	6 28.19	−23 46.8	0.829	1.650	26.7	17.4	131 E	21	88
1 21	6 26.51	−22 11.1	0.848	1.665	26.6	17.5	131 E	23	86

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 31.03	−37 8.8	3.726	2.822	6.9	19.5	20 E	—	13*
1 6	19 50.18	−36 8.2	3.724	2.795	5.7	19.4	16 E	—	9*
1 16	20 9.29	−35 1.9	3.707	2.766	5.1	19.4	15 E	—	5*
1 26	20 28.28	−33 50.2	3.676	2.737	5.4	19.4	15 W	—	3*
2 5	20 47.08	−32 33.1	3.630	2.707	6.3	19.3	18 W	—	7*
2 15	21 5.62	−31 11.0	3.570	2.676	7.8	19.4	22 W	—	12*
2 25	21 23.86	−29 44.5	3.497	2.643	9.5	19.4	26 W	—	17*
3 7	21 41.77	−28 13.9	3.411	2.610	11.3	19.3	31 W	—	22*
3 17	21 59.31	−26 40.0	3.314	2.576	13.1	19.3	36 W	—	28*
3 27	22 16.46	−25 3.3	3.205	2.541	15.0	19.3	41 W	—	33*
4 6	22 33.21	−23 24.3	3.087	2.505	16.8	19.2	46 W	—	39*
4 16	22 49.53	−21 43.8	2.961	2.469	18.6	19.2	52 W	—	44*
4 26	23 5.39	−20 2.4	2.826	2.431	20.3	19.1	57 W	2*	50*
5 6	23 20.77	−18 20.6	2.685	2.393	22.0	19.0	62 W	4*	56*
5 16	23 35.63	−16 39.0	2.539	2.354	23.5	18.9	68 W	7*	62*
5 26	23 49.90	−14 58.1	2.389	2.314	24.8	18.8	73 W	11*	67*
6 5	0 3.50	−13 18.2	2.236	2.274	26.0	18.6	79 W	15*	72*
6 15	0 16.32	−11 39.7	2.081	2.233	26.9	18.4	85 W	19*	75*
6 25	0 28.20	−10 2.7	1.925	2.192	27.6	18.3	91 W	24*	74
7 5	0 38.93	− 8 27.1	1.771	2.150	28.0	18.0	97 W	30*	72
7 15	0 48.24	− 6 52.8	1.620	2.108	27.9	17.8	104 W	35*	71
7 25	0 55.74	− 5 18.9	1.473	2.066	27.3	17.5	111 W	39*	69
8 4	1 0.99	− 3 44.3	1.332	2.024	26.1	17.2	119 W	41	68
8 14	1 3.40	− 2 7.4	1.200	1.982	24.1	16.9	127 W	43	66
8 24	1 2.31	− 0 25.8	1.080	1.940	21.1	16.5	136 W	45	64
9 3	0 57.09	+ 1 22.9	0.974	1.899	17.1	16.1	146 W	46	63
9 13	0 47.31	+ 3 20.4	0.887	1.858	11.8	15.7	158 W	48	61
9 23	0 33.25	+ 5 26.6	0.822	1.818	5.5	15.2	170 W	50	59
9 28	0 24.95	+ 6 32.0	0.798	1.799	2.8	15.0	175 W	52	57
10 3	0 16.12	+ 7 38.0	0.782	1.780	3.5	15.0	174 E	53	56
10 8	0 7.07	+ 8 43.8	0.771	1.761	6.8	15.1	168 E	54	55
10 13	23 58.18	+ 9 48.8	0.767	1.743	10.4	15.2	162 E	55	54
10 18	23 49.80	+10 52.3	0.769	1.725	14.1	15.3	155 E	56	53
10 23	23 42.22	+11 54.3	0.777	1.707	17.6	15.4	149 E	57	52
10 28	23 35.70	+12 54.5	0.789	1.690	20.9	15.6	143 E	58	51
11 2	23 30.40	+13 53.2	0.806	1.674	23.9	15.7	137 E	59	50

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 12	23 23.93	+15 48.2	0.849	1.643	29.0	15.9	126 E	61	48
11 22	23 23.01	+17 43.9	0.902	1.615	32.9	16.1	117 E	63	46
12 2	23 27.26	+19 43.6	0.961	1.590	35.8	16.3	109 E	65	44*
12 12	23 36.15	+21 49.7	1.022	1.568	37.8	16.4	103 E	67	40*
12 22	23 49.13	+24 3.2	1.084	1.550	39.0	16.6	97 E	69	35*
1 1	0 5.76	+26 22.8	1.146	1.536	39.8	16.7	92 E	71	31*
1 11	0 25.77	+28 46.7	1.207	1.526	40.1	16.8	88 E	74*	26*
1 21	0 48.94	+31 11.6	1.268	1.521	40.0	16.9	84 E	75*	22*

163335 2002 *LJ*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 31.23	− 0 47.5	1.031	0.488	70.6	18.0	28 E	22*	—
12 29	19 43.63	− 1 29.8	0.984	0.472	76.1	18.0	28 E	22*	—
12 31	19 56.61	− 2 29.5	0.938	0.459	81.8	18.0	28 E	22*	—
1 2	20 10.11	− 3 49.4	0.893	0.450	87.7	18.1	27 E	21*	2*
1 4	20 24.07	− 5 32.1	0.851	0.444	93.5	18.2	27 E	20*	4*
1 6	20 38.38	− 7 39.0	0.812	0.443	98.9	18.4	26 E	19*	6*
1 8	20 52.91	−10 10.4	0.778	0.445	103.8	18.5	26 E	18*	9*
1 10	21 7.54	−13 4.4	0.748	0.451	107.6	18.7	26 E	16*	12*
1 12	21 22.14	−16 17.6	0.725	0.461	110.1	18.8	26 E	14*	14*
1 14	21 36.58	−19 44.6	0.707	0.474	111.2	18.9	27 E	12*	17*
1 16	21 50.77	−23 19.2	0.695	0.491	110.9	18.9	28 E	9*	20*
1 17	21 57.75	−25 7.4	0.691	0.500	110.3	18.9	28 E	8*	21*
1 18	22 4.64	−26 55.2	0.689	0.509	109.5	18.9	29 E	7*	23*
1 19	22 11.44	−28 41.8	0.688	0.519	108.4	18.8	30 E	5*	24*
1 20	22 18.15	−30 26.6	0.688	0.530	107.1	18.8	31 E	4*	25*
1 21	22 24.76	−32 9.2	0.689	0.541	105.6	18.8	32 E	3*	26*
1 22	22 31.27	−33 49.0	0.691	0.552	104.1	18.7	33 E	1*	27*
1 23	22 37.68	−35 25.7	0.694	0.564	102.4	18.7	34 E	—	28*
1 24	22 43.99	−36 59.0	0.698	0.576	100.7	18.7	35 E	—	29*
1 25	22 50.21	−38 28.8	0.703	0.588	99.0	18.7	36 E	—	30*
1 26	22 56.34	−39 54.9	0.708	0.601	97.2	18.6	37 E	—	30*
1 28	23 8.32	−42 35.7	0.720	0.626	93.7	18.6	39 E	—	32*
1 30	23 19.98	−45 1.6	0.734	0.652	90.3	18.6	41 E	—	33*
2 1	23 31.33	−47 13.2	0.750	0.679	87.1	18.6	43 E	—	34*
2 3	23 42.43	−49 11.4	0.766	0.705	84.0	18.6	45 E	—	35*
2 5	23 53.30	−50 57.3	0.782	0.732	81.2	18.6	47 E	—	35*
2 7	0 3.99	−52 32.1	0.799	0.759	78.5	18.7	49 E	—	36*
2 9	0 14.52	−53 56.9	0.816	0.785	76.1	18.7	51 E	—	36*
2 11	0 24.94	−55 12.9	0.832	0.812	73.8	18.7	52 E	—	37*
2 13	0 35.28	−56 20.9	0.848	0.838	71.7	18.8	54 E	—	37*
2 15	0 45.56	−57 21.8	0.864	0.864	69.7	18.8	55 E	—	38*
2 17	0 55.82	−58 16.3	0.879	0.890	67.9	18.9	57 E	—	38*
2 19	1 6.08	−59 5.2	0.894	0.916	66.2	18.9	58 E	—	38*
2 21	1 16.36	−59 49.0	0.908	0.941	64.6	18.9	59 E	—	39*
2 23	1 26.68	−60 28.1	0.922	0.966	63.1	19.0	61 E	—	39*
2 25	1 37.06	−61 3.0	0.935	0.991	61.8	19.0	62 E	—	39*
3 2	2 3.39	−62 13.8	0.964	1.052	58.7	19.1	65 E	—	40*
3 7	2 30.39	−63 4.0	0.991	1.111	56.0	19.2	68 E	—	41*
3 12	2 58.16	−63 36.2	1.014	1.167	53.6	19.3	71 E	—	42*
3 17	3 26.66	−63 51.6	1.034	1.222	51.5	19.4	74 E	—	43*
3 22	3 55.75	−63 51.2	1.053	1.275	49.6	19.5	77 E	—	45*
3 27	4 25.16	−63 35.0	1.070	1.325	47.8	19.6	80 E	—	46*
3 29	4 36.94	−63 24.1	1.077	1.345	47.1	19.6	81 E	—	47*
3 31	4 48.71	−63 10.8	1.084	1.365	46.4	19.6	82 E	—	47*
4 2	5 0.43	−62 55.0	1.090	1.384	45.8	19.6	83 E	—	48*
4 4	5 12.09	−62 36.7	1.097	1.403	45.1	19.7	84 E	—	49*
4 6	5 23.66	−62 16.0	1.104	1.422	44.5	19.7	85 E	—	49*
4 11	5 52.07	−61 14.3	1.121	1.467	43.0	19.7	87 E	—	51*
4 16	6 19.53	−59 59.2	1.140	1.511	41.6	19.8	89 E	—	53*
4 21	6 45.80	−58 32.3	1.161	1.553	40.3	19.9	91 E	—	55*
4 26	7 10.73	−56 55.5	1.185	1.593	39.1	19.9	93 E	—	57*
5 1	7 34.25	−55 10.9	1.212	1.632	38.0	20.0	94 E	—	59*
5 6	7 56.36	−53 20.8	1.242	1.669	37.0	20.1	95 E	—	61*
5 11	8 17.14	−51 27.5	1.276	1.705	36.1	20.2	96 E	—	63*
5 16	8 36.65	−49 33.4	1.313	1.739	35.3	20.2	96 E	—	65*
5 21	8 55.00	−47 40.4	1.355	1.772	34.6	20.3	96 E	—	67*
5 26	9 12.26	−45 50.3	1.401	1.804	34.0	20.4	95 E	—	68*
5 31	9 28.55	−44 4.5	1.450	1.834	33.4	20.5	95 E	—	70*
6 5	9 43.96	−42 23.9	1.503	1.863	32.9	20.6	93 E	—	71*
6 10	9 58.61	−40 49.4	1.560	1.890	32.5	20.7	92 E	—	71*
6 15	10 12.58	−39 21.6	1.619	1.917	32.0	20.8	90 E	—	71*
6 20	10 25.93	−38 0.8	1.682	1.942	31.5	20.9	89 E	—	71*
6 25	10 38.73	−36 47.0	1.746	1.966	31.1	21.0	86 E	—	70*
6 30	10 51.05	−35 40.1	1.813	1.989	30.6	21.1	84 E	—	69*
7 5	11 2.94	−34 39.8	1.881	2.010	30.1	21.2	82 E	—	68*
7 10	11 14.46	−33 46.0	1.951	2.031	29.5	21.3	80 E	—	66*
7 15	11 25.64	−32 58.3	2.021	2.050	28.9	21.4	77 E	—	64*
7 20	11 36.54	−32 16.4	2.092	2.068	28.3	21.4	75 E	—	62*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
469676 2004 XW_{49}									
	h m	° ′			°	m	°	°	°
12 27	19 31.72	− 9 14.3	2.445	1.573	13.3	19.7	22 E	15*	2*
1 6	19 59.93	− 6 52.9	2.440	1.553	12.6	19.6	20 E	14*	—
1 16	20 28.44	− 4 15.9	2.435	1.538	12.0	19.6	19 E	12*	—
1 26	20 57.16	− 1 25.1	2.432	1.529	11.7	19.6	18 E	11*	—
2 5	21 26.04	+ 1 36.5	2.432	1.524	11.4	19.5	18 E	9*	—
2 15	21 55.07	+ 4 45.7	2.437	1.525	11.3	19.5	18 E	7*	—
2 25	22 24.19	+ 7 58.5	2.447	1.531	11.1	19.6	17 W	8*	—
3 7	22 53.40	+11 10.8	2.463	1.542	10.9	19.6	17 W	9*	—
3 17	23 22.67	+14 18.4	2.483	1.558	10.7	19.6	17 W	9*	—
3 27	23 51.98	+17 17.5	2.508	1.578	10.4	19.7	17 W	10*	—
4 6	0 21.29	+20 4.6	2.537	1.603	10.2	19.7	17 W	10*	—
4 16	0 50.55	+22 36.9	2.568	1.632	10.2	19.8	17 W	11*	—
4 26	1 19.67	+24 52.2	2.600	1.665	10.2	19.8	17 W	11*	—
5 6	1 48.56	+26 49.0	2.632	1.701	10.5	19.9	18 W	12*	2*
5 16	2 17.10	+28 26.6	2.661	1.739	11.1	20.0	19 W	12*	4*
5 26	2 45.15	+29 44.7	2.686	1.780	11.9	20.1	21 W	13*	6*
6 5	3 12.57	+30 43.4	2.707	1.823	12.9	20.2	24 W	15*	9*
6 15	3 39.20	+31 23.5	2.720	1.867	14.0	20.3	26 W	17*	11*
6 25	4 4.88	+31 45.9	2.726	1.913	15.3	20.4	30 W	19*	13*
7 5	4 29.47	+31 52.0	2.723	1.959	16.7	20.5	34 W	23*	16*
7 15	4 52.85	+31 43.0	2.711	2.007	18.1	20.6	38 W	27*	18*
7 25	5 14.87	+31 20.5	2.688	2.055	19.5	20.7	42 W	31*	20*
8 4	5 35.44	+30 46.0	2.654	2.103	20.8	20.8	47 W	36*	23*
8 14	5 54.44	+30 0.9	2.610	2.152	22.0	20.8	53 W	42*	25*
8 24	6 11.73	+29 6.6	2.555	2.201	23.0	20.8	58 W	47*	27*
9 3	6 27.21	+28 4.6	2.491	2.249	23.9	20.9	64 W	53*	30*
9 13	6 40.73	+26 56.1	2.417	2.297	24.5	20.9	71 W	59*	32*
9 23	6 52.09	+25 42.1	2.335	2.345	24.8	20.8	78 W	64*	35*
10 3	7 1.12	+24 23.8	2.247	2.393	24.7	20.8	86 W	68*	38*
10 13	7 7.56	+23 2.1	2.156	2.439	24.1	20.7	94 W	68	40*
10 23	7 11.15	+21 37.8	2.065	2.486	23.0	20.6	103 W	67	42*
11 2	7 11.67	+20 11.5	1.978	2.532	21.2	20.5	113 W	65	44
11 12	7 8.93	+18 44.2	1.899	2.577	18.8	20.4	123 W	64	45
11 22	7 2.97	+17 16.7	1.834	2.621	15.7	20.3	134 W	62	47
12 2	6 54.06	+15 50.6	1.789	2.664	11.9	20.1	146 W	61	48
12 12	6 42.88	+14 28.1	1.770	2.707	7.9	20.0	158 W	59	50
12 17	6 36.75	+13 49.2	1.771	2.728	6.0	19.9	163 W	59	50
12 22	6 30.47	+13 12.3	1.780	2.749	4.4	19.8	168 W	58	51
12 27	6 24.20	+12 37.9	1.797	2.770	3.8	19.8	169 W	58	51
1 1	6 18.08	+12 6.3	1.822	2.790	4.4	19.9	167 E	57	52
1 6	6 12.28	+11 37.8	1.855	2.810	5.8	20.0	163 E	57	52
1 11	6 6.91	+11 12.6	1.895	2.830	7.5	20.2	158 E	56	53
1 16	6 2.09	+10 50.8	1.943	2.850	9.3	20.3	152 E	56	53
1 21	5 57.88	+10 32.3	1.997	2.870	10.9	20.5	147 E	56	53
356453 2011 LT_{26}									
12 27	19 32.03	−18 34.4	2.434	1.518	10.7	20.5	17 E	8*	6*
1 6	20 3.26	−16 59.8	2.438	1.504	9.2	20.4	14 E	7*	3*
1 16	20 34.30	−15 4.5	2.443	1.494	7.8	20.4	12 E	5*	—
1 26	21 4.96	−12 50.9	2.449	1.488	6.4	20.3	10 E	4*	—
2 5	21 35.15	−10 21.9	2.457	1.486	5.0	20.2	8 E	2*	—
2 15	22 4.81	− 7 40.6	2.467	1.488	3.8	20.2	6 E	—	—
2 25	22 33.90	− 4 50.7	2.480	1.495	2.9	20.1	4 E	—	—
3 7	23 2.46	− 1 55.9	2.494	1.505	2.6	20.2	4 W	—	—
3 17	23 30.53	+ 1 0.5	2.509	1.520	3.1	20.2	5 W	—	—
3 27	23 58.15	+ 3 54.9	2.526	1.538	4.1	20.3	6 W	—	—
4 6	0 25.38	+ 6 44.5	2.543	1.560	5.4	20.4	8 W	—	1*
4 16	0 52.28	+ 9 26.5	2.559	1.585	6.8	20.6	11 W	1*	4*
4 26	1 18.87	+11 58.6	2.574	1.612	8.3	20.7	13 W	2*	7*
5 6	1 45.18	+14 18.9	2.587	1.643	9.9	20.8	16 W	3*	9*
5 16	2 11.22	+16 25.9	2.597	1.675	11.4	20.9	19 W	5*	12*
5 26	2 36.96	+18 18.5	2.603	1.709	13.0	21.0	22 W	6*	15*
6 5	3 2.36	+19 55.9	2.603	1.744	14.5	21.1	26 W	9*	17*
6 15	3 27.36	+21 17.6	2.599	1.781	16.1	21.2	29 W	12*	20*
6 25	3 51.86	+22 23.7	2.587	1.819	17.6	21.3	33 W	15*	22*
7 5	4 15.77	+23 14.3	2.569	1.857	19.1	21.4	37 W	19*	24*
7 15	4 38.95	+23 50.0	2.543	1.896	20.6	21.4	41 W	24*	26*
7 25	5 1.28	+24 11.5	2.508	1.935	21.9	21.5	45 W	29*	28*
218609 2005 OZ_3									
12 27	19 32.14	−22 8.6	3.084	2.155	7.2	20.5	16 E	5*	7*
1 6	19 54.66	−21 40.7	3.070	2.112	5.1	20.4	11 E	2*	3*
1 16	20 17.71	−21 0.0	3.045	2.070	3.0	20.2	6 E	—	—
1 26	20 41.20	−20 6.5	3.012	2.028	1.1	20.0	2 E	—	—
2 5	21 5.05	−19 0.3	2.970	1.987	1.8	20.0	4 W	—	—
2 15	21 29.22	−17 42.0	2.920	1.946	3.9	20.0	8 W	—	2*
2 25	21 53.65	−16 12.0	2.865	1.906	6.1	20.1	12 W	—	6*
3 7	22 18.33	−14 31.2	2.804	1.867	8.2	20.1	16 W	—	9*
3 17	22 43.27	−12 40.7	2.739	1.830	10.3	20.1	19 W	—	13*
3 27	23 8.44	−10 41.8	2.672	1.793	12.4	20.0	23 W	—	16*
4 6	23 33.89	− 8 35.8	2.603	1.759	14.5	20.0	26 W	—	20*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
218609 2005 OZ_3 *(continuation)*									
	h m	° ′			°	m	°	°	°
4 16	23 59.63	− 6 24.5	2.533	1.727	16.4	20.0	29 W	—	23*
4 26	0 25.70	− 4 9.9	2.464	1.697	18.3	20.0	32 W	—	26*
5 6	0 52.11	− 1 53.9	2.397	1.671	20.1	19.9	35 W	1*	29*
5 16	1 18.90	+ 0 21.0	2.332	1.647	21.9	19.9	37 W	2*	31*
5 26	1 46.04	+ 2 32.3	2.269	1.626	23.5	19.8	40 W	4*	34*
6 5	2 13.54	+ 4 37.7	2.209	1.609	25.1	19.8	42 W	6*	36*
6 15	2 41.33	+ 6 34.6	2.153	1.596	26.5	19.8	45 W	9*	38*
6 25	3 9.31	+ 8 20.6	2.099	1.587	27.8	19.8	47 W	13*	39*
7 5	3 37.40	+ 9 54.0	2.048	1.582	29.1	19.7	49 W	17*	40*
7 15	4 5.42	+11 13.0	1.999	1.582	30.2	19.7	52 W	21*	41*
7 25	4 33.18	+12 16.6	1.951	1.585	31.3	19.7	54 W	26*	41*
8 4	5 0.51	+13 4.6	1.904	1.593	32.2	19.7	57 W	31*	42*
8 14	5 27.16	+13 37.2	1.857	1.605	33.0	19.7	60 W	36*	42*
8 24	5 52.91	+13 55.5	1.808	1.621	33.7	19.6	63 W	40*	42*
9 3	6 17.55	+14 1.1	1.758	1.640	34.3	19.6	66 W	45*	43*
9 13	6 40.85	+13 56.2	1.705	1.663	34.7	19.6	70 W	49*	44*
9 23	7 2.57	+13 43.7	1.649	1.689	35.0	19.6	75 W	53*	45*
10 3	7 22.53	+13 26.5	1.590	1.718	34.9	19.5	80 W	56*	46*
10 13	7 40.44	+13 8.5	1.528	1.750	34.6	19.5	85 W	57*	47*
10 23	7 56.04	+12 53.5	1.463	1.783	33.9	19.4	91 W	58	49*
11 2	8 9.03	+12 46.0	1.396	1.819	32.7	19.3	98 W	58	50*
11 12	8 19.03	+12 50.5	1.329	1.856	30.9	19.2	105 W	58	51*
11 22	8 25.66	+13 11.8	1.265	1.895	28.5	19.1	114 W	58	51
12 2	8 28.55	+13 53.7	1.206	1.934	25.1	18.9	124 W	59	50
12 12	8 27.43	+14 59.0	1.158	1.975	20.9	18.7	134 W	60	49
12 22	8 22.35	+16 26.5	1.124	2.016	15.9	18.5	146 W	61	48
12 27	8 18.48	+17 17.2	1.115	2.037	13.0	18.4	152 W	62	47
1 1	8 13.86	+18 11.0	1.111	2.058	10.1	18.3	159 W	63	46
1 6	8 8.65	+19 6.8	1.113	2.079	7.0	18.2	165 W	64	45
1 11	8 3.08	+20 2.9	1.122	2.100	3.9	18.1	172 W	65	44
1 16	7 57.36	+20 57.8	1.138	2.121	0.8	17.9	178 W	66	43
1 21	7 51.72	+21 50.3	1.160	2.142	2.3	18.1	175 E	67	42
85165 1988 TV_2									
12 27	19 32.18	−20 27.2	3.088	2.161	7.3	20.0	16 E	6*	7*
1 6	19 54.24	−19 24.6	3.076	2.120	5.2	19.8	11 E	4*	2*
1 16	20 16.66	−18 9.2	3.054	2.080	3.1	19.6	7 E	—	—
1 26	20 39.35	−16 40.9	3.023	2.040	1.2	19.4	3 E	—	—
2 5	21 2.23	−15 0.1	2.984	2.000	1.5	19.4	3 W	—	—
2 15	21 25.28	−13 7.0	2.939	1.962	3.5	19.4	7 W	—	—
2 25	21 48.47	−11 2.3	2.887	1.924	5.6	19.5	11 W	—	4*
3 7	22 11.79	− 8 47.1	2.831	1.888	7.7	19.5	15 W	2*	8*
3 17	22 35.27	− 6 22.4	2.771	1.854	9.8	19.5	18 W	3*	12*
3 27	22 58.91	− 3 49.6	2.708	1.821	11.8	19.5	22 W	4*	16*
4 6	23 22.78	− 1 10.3	2.643	1.790	13.8	19.5	25 W	6*	19*
4 16	23 46.94	+ 1 33.7	2.578	1.761	15.7	19.4	28 W	7*	22*
4 26	0 11.42	+ 4 20.2	2.512	1.735	17.6	19.4	31 W	8*	25*
5 6	0 36.32	+ 7 7.0	2.447	1.712	19.4	19.4	34 W	10*	27*
5 16	1 1.67	+ 9 51.6	2.383	1.692	21.2	19.4	37 W	12*	30*
5 26	1 27.52	+12 31.1	2.321	1.675	22.8	19.3	40 W	14*	31*
6 5	1 53.90	+15 3.0	2.260	1.662	24.4	19.3	43 W	17*	33*
6 15	2 20.79	+17 24.3	2.201	1.652	25.9	19.3	45 W	20*	34*
6 25	2 48.14	+19 32.3	2.143	1.646	27.3	19.3	48 W	24*	34*
7 5	3 15.84	+21 24.7	2.087	1.644	28.6	19.2	51 W	29*	34*
7 15	3 43.75	+22 59.4	2.031	1.646	29.8	19.2	54 W	33*	34*
7 25	4 11.62	+24 15.0	1.976	1.652	30.9	19.2	57 W	38*	34*
8 4	4 39.21	+25 10.7	1.921	1.662	31.9	19.2	60 W	43*	34*
8 14	5 6.21	+25 46.6	1.865	1.675	32.7	19.2	63 W	48*	34*
8 24	5 32.28	+26 3.5	1.807	1.692	33.4	19.1	67 W	52*	34*
9 3	5 57.12	+26 3.1	1.748	1.712	33.9	19.1	71 W	57*	34*
9 13	6 20.36	+25 47.7	1.686	1.735	34.2	19.1	76 W	61*	35*
9 23	6 41.68	+25 19.9	1.623	1.761	34.2	19.0	80 W	65*	36*
10 3	7 0.78	+24 43.1	1.557	1.790	33.9	18.9	86 W	68*	37*
10 13	7 17.29	+24 0.7	1.489	1.821	33.2	18.9	92 W	69*	39*
10 23	7 30.87	+23 16.1	1.420	1.854	32.0	18.8	99 W	68	40*
11 2	7 41.14	+22 32.9	1.353	1.888	30.3	18.6	106 W	68	41*
11 12	7 47.69	+21 54.2	1.288	1.924	27.9	18.5	115 W	67	42
11 22	7 50.18	+21 22.5	1.230	1.962	24.6	18.4	124 W	66	43
12 2	7 48.43	+20 59.2	1.181	2.000	20.6	18.2	135 W	66	43
12 12	7 42.54	+20 44.3	1.148	2.040	15.7	18.0	146 W	66	43
12 17	7 38.25	+20 39.5	1.138	2.060	12.9	17.9	152 W	66	43
12 22	7 33.23	+20 36.0	1.134	2.080	10.1	17.8	158 W	66	43
12 27	7 27.68	+20 33.5	1.135	2.100	7.1	17.7	165 W	66	43
1 1	7 21.79	+20 31.6	1.143	2.120	4.2	17.6	171 W	66	43
1 6	7 15.79	+20 29.9	1.158	2.141	1.4	17.5	177 W	65	44
1 11	7 9.93	+20 28.3	1.179	2.161	2.1	17.6	175 E	65	44
1 16	7 4.42	+20 26.6	1.207	2.182	4.8	17.8	169 E	65	44
1 21	6 59.45	+20 24.7	1.242	2.202	7.4	18.0	163 E	65	44

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		3362 Khufu							
	h m	° ′			°	m	°	°	°
12 27	19 32.56	−19 52.7	1.758	0.861	18.8	20.2	16 E	7*	7*
1 1	19 56.87	−19 16.1	1.798	0.905	18.5	20.3	17 E	8*	7*
1 6	20 19.81	−18 30.2	1.840	0.948	18.0	20.4	17 E	8*	7*
1 11	20 41.50	−17 37.0	1.882	0.989	17.4	20.6	17 E	8*	7*
1 16	21 2.01	−16 37.9	1.925	1.029	16.6	20.7	17 E	8*	7*
1 21	21 21.46	−15 34.2	1.968	1.067	15.7	20.8	17 E	8*	7*
1 26	21 39.93	−14 27.0	2.011	1.103	14.7	20.9	17 E	8*	6*
1 31	21 57.52	−13 17.3	2.052	1.137	13.7	20.9	16 E	7*	6*
2 5	22 14.34	−12 5.7	2.093	1.170	12.7	21.0	15 E	7*	5*
2 10	22 30.46	−10 52.9	2.133	1.200	11.6	21.1	14 E	6*	5*
2 15	22 45.97	− 9 39.2	2.170	1.229	10.5	21.1	13 E	5*	4*
2 20	23 0.94	− 8 25.3	2.206	1.256	9.4	21.1	12 E	4*	3*
2 25	23 15.43	− 7 11.3	2.240	1.281	8.4	21.2	11 E	3*	3*
3 2	23 29.50	− 5 57.7	2.271	1.305	7.3	21.2	10 E	2*	2*
3 7	23 43.21	− 4 44.5	2.300	1.326	6.2	21.2	8 E	—	1*
3 12	23 56.62	− 3 31.9	2.327	1.346	5.2	21.2	7 E	—	—
3 17	0 9.75	− 2 20.2	2.350	1.364	4.3	21.2	6 E	—	—
3 22	0 22.67	− 1 9.5	2.371	1.381	3.4	21.2	5 E	—	—
3 27	0 35.39	− 0 0.0	2.389	1.396	2.8	21.2	4 E	—	—
4 1	0 47.96	+ 1 8.3	2.404	1.409	2.6	21.2	4 E	—	—
4 6	1 0.42	+ 2 15.2	2.416	1.420	2.9	21.3	4 E	—	—
4 11	1 12.79	+ 3 20.7	2.425	1.430	3.5	21.3	5 W	—	—
4 16	1 25.11	+ 4 24.7	2.431	1.438	4.4	21.4	6 W	—	—
4 21	1 37.39	+ 5 27.0	2.434	1.444	5.3	21.5	8 W	—	1*
		68350 2001 MK_3							
12 27	19 32.60	−18 13.2	2.958	2.038	8.1	20.4	17 E	8*	6*
1 6	19 54.21	−18 22.2	2.978	2.024	5.6	20.3	12 E	4*	2*
1 16	20 16.07	−18 19.4	2.984	2.010	3.2	20.1	6 E	—	—
1 26	20 38.11	−18 5.7	2.977	1.993	0.7	19.9	1 E	—	—
2 5	21 0.30	−17 42.1	2.958	1.975	1.9	20.0	4 W	—	—
2 15	21 22.65	−17 9.5	2.926	1.956	4.4	20.1	9 W	—	3*
2 25	21 45.14	−16 28.9	2.883	1.935	6.9	20.1	14 W	—	8*
3 7	22 7.78	−15 41.6	2.828	1.912	9.4	20.2	18 W	—	12*
3 17	22 30.63	−14 48.6	2.764	1.888	11.9	20.2	23 W	—	17*
3 27	22 53.72	−13 51.2	2.690	1.863	14.3	20.2	27 W	—	21*
4 6	23 17.12	−12 50.7	2.609	1.836	16.7	20.2	32 W	—	25*
4 16	23 40.91	−11 48.2	2.521	1.808	19.0	20.2	36 W	—	29*
4 26	0 5.16	−10 45.3	2.428	1.779	21.3	20.1	40 W	—	33*
5 6	0 29.96	− 9 43.1	2.332	1.748	23.5	20.1	44 W	—	37*
5 16	0 55.41	− 8 43.2	2.234	1.717	25.6	20.0	47 W	—	41*
5 26	1 21.58	− 7 47.1	2.135	1.685	27.7	19.9	51 W	1*	44*
6 5	1 48.55	− 6 56.0	2.038	1.652	29.6	19.8	54 W	3*	48*
6 15	2 16.35	− 6 11.7	1.943	1.619	31.5	19.7	56 W	5*	50*
6 25	2 45.00	− 5 35.4	1.852	1.585	33.3	19.6	59 W	7*	53*
7 5	3 14.48	− 5 8.1	1.766	1.551	34.9	19.5	61 W	10*	54*
7 15	3 44.70	− 4 50.9	1.685	1.517	36.5	19.4	63 W	13*	56*
7 25	4 15.53	− 4 44.1	1.611	1.483	38.0	19.3	64 W	17*	57*
8 4	4 46.84	− 4 47.3	1.544	1.451	39.5	19.2	65 W	20*	57*
8 14	5 18.40	− 4 59.9	1.482	1.419	40.8	19.1	66 W	23*	58*
8 24	5 50.02	− 5 20.2	1.425	1.389	42.1	19.0	67 W	26*	58*
9 3	6 21.53	− 5 46.1	1.373	1.361	43.3	18.9	68 W	28*	58*
9 13	6 52.78	− 6 15.2	1.324	1.336	44.5	18.8	68 W	30*	58*
9 23	7 23.65	− 6 44.1	1.276	1.313	45.6	18.8	69 W	32*	57*
10 3	7 54.13	− 7 9.8	1.229	1.294	46.7	18.7	70 W	33*	57*
10 13	8 24.20	− 7 28.8	1.180	1.278	47.7	18.6	71 W	35*	57*
10 18	8 39.10	− 7 34.6	1.155	1.272	48.2	18.5	72 W	35*	57*
10 23	8 53.93	− 7 37.1	1.130	1.267	48.7	18.5	73 W	36*	57*
10 28	9 8.70	− 7 36.0	1.104	1.262	49.1	18.5	74 W	37*	57*
11 2	9 23.42	− 7 30.7	1.077	1.259	49.5	18.4	75 W	37*	57*
11 7	9 38.09	− 7 20.5	1.050	1.257	49.9	18.4	76 W	37*	58*
11 12	9 52.72	− 7 4.5	1.022	1.257	50.2	18.3	77 W	38*	58*
11 17	10 7.32	− 6 42.2	0.993	1.257	50.5	18.3	79 W	38	58*
11 22	10 21.90	− 6 12.7	0.964	1.259	50.7	18.2	80 W	39	59*
11 27	10 36.47	− 5 35.1	0.935	1.261	50.8	18.1	82 W	39	59*
12 2	10 51.01	− 4 48.6	0.905	1.265	50.8	18.1	84 W	40	59*
12 7	11 5.51	− 3 52.0	0.876	1.270	50.7	18.0	86 W	41	59*
12 12	11 19.94	− 2 44.2	0.847	1.276	50.4	17.9	88 W	42	60*
12 17	11 34.30	− 1 24.2	0.819	1.283	50.1	17.9	90 W	44	59*
12 22	11 48.54	+ 0 9.0	0.791	1.291	49.5	17.8	93 W	45	59*
12 27	12 2.63	+ 1 56.3	0.765	1.300	48.9	17.7	95 W	47	59*
1 1	12 16.49	+ 3 58.4	0.740	1.310	48.0	17.6	98 W	49	58*
1 6	12 30.05	+ 6 16.1	0.717	1.321	47.0	17.6	101 W	51	56*
1 11	12 43.23	+ 8 49.2	0.696	1.333	45.8	17.5	104 W	54	54*
1 16	12 55.94	+11 37.2	0.678	1.345	44.5	17.4	107 W	57	52*
1 21	13 8.07	+14 38.9	0.663	1.358	43.1	17.3	110 W	60	49*
		303933 2005 VQ							
12 27	19 32.65	−30 15.1	1.633	0.748	22.4	20.5	17 E	—	11*
1 1	20 3.92	−29 33.2	1.659	0.792	23.4	20.7	19 E	—	13*
1 6	20 33.28	−28 26.1	1.689	0.838	23.9	20.9	20 E	2*	14*
1 11	21 0.62	−26 59.2	1.723	0.883	23.9	21.0	21 E	3*	15*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		303933 2005 VQ *(continuation)*							
	h m	° ′			°	m	°	°	°
1 16	21 25.97	−25 17.5	1.761	0.928	23.6	21.2	22 E	5*	15*
1 21	21 49.43	−23 25.5	1.802	0.973	23.1	21.3	23 E	6*	16*
1 26	22 11.16	−21 26.7	1.845	1.016	22.3	21.4	23 E	7*	16*
		466220 2012 TO_5							
12 27	19 32.77	−29 47.6	2.458	1.543	10.6	20.0	17 E	—	11*
1 6	20 7.82	−28 45.2	2.473	1.544	9.4	19.9	15 E	—	9*
1 16	20 42.14	−27 13.6	2.491	1.550	8.3	19.9	13 E	—	7*
1 26	21 15.35	−25 16.4	2.513	1.561	7.3	19.9	12 E	—	6*
1 31	21 31.47	−24 9.6	2.524	1.569	6.9	19.9	11 E	—	5*
2 5	21 47.23	−22 58.1	2.537	1.577	6.5	19.9	10 E	—	4*
2 10	22 2.63	−21 42.5	2.550	1.587	6.1	19.9	10 E	—	3*
2 15	22 17.67	−20 23.5	2.564	1.598	5.9	19.9	10 E	—	3*
2 25	22 46.65	−17 37.7	2.593	1.623	5.6	20.0	9 E	—	1*
3 7	23 14.23	−14 45.2	2.623	1.652	5.6	20.0	9 E	—	—
3 17	23 40.51	−11 49.9	2.653	1.685	6.2	20.1	10 W	—	—
3 27	0 5.61	− 8 55.5	2.683	1.720	7.0	20.2	12 W	—	3*
4 6	0 29.64	− 6 4.7	2.710	1.759	8.2	20.4	14 W	—	6*
4 16	0 52.72	− 3 19.7	2.734	1.799	9.5	20.5	17 W	—	10*
4 26	1 14.93	− 0 42.5	2.753	1.842	10.9	20.6	20 W	—	13*
5 6	1 36.34	+ 1 46.0	2.767	1.887	12.4	20.7	24 W	—	17*
5 16	1 57.02	+ 4 4.7	2.774	1.932	13.9	20.8	27 W	—	21*
5 26	2 16.99	+ 6 13.0	2.773	1.979	15.4	20.9	31 W	1*	25*
6 5	2 36.24	+ 8 10.7	2.764	2.027	16.9	21.0	36 W	5*	29*
6 15	2 54.77	+ 9 57.8	2.747	2.075	18.4	21.1	40 W	9*	33*
6 25	3 12.51	+11 34.4	2.720	2.124	19.7	21.2	45 W	15*	36*
7 5	3 29.42	+13 0.9	2.683	2.172	21.0	21.3	50 W	21*	39*
7 15	3 45.38	+14 17.9	2.637	2.221	22.1	21.3	55 W	27*	41*
7 25	4 0.26	+15 26.0	2.581	2.270	23.0	21.3	61 W	34*	43*
8 4	4 13.93	+16 26.2	2.517	2.319	23.8	21.3	67 W	41*	44*
8 14	4 26.18	+17 19.4	2.444	2.367	24.2	21.3	74 W	48*	45*
8 24	4 36.78	+18 6.9	2.365	2.415	24.4	21.3	81 W	55*	45*
9 3	4 45.47	+18 49.8	2.280	2.462	24.2	21.3	88 W	61*	45*
9 13	4 51.95	+19 29.4	2.193	2.509	23.5	21.2	96 W	64*	45
9 23	4 55.90	+20 6.7	2.106	2.555	22.3	21.1	105 W	65	44
10 3	4 57.01	+20 42.5	2.023	2.601	20.5	21.0	114 W	66	43
10 13	4 55.03	+21 17.0	1.948	2.646	18.1	20.9	125 W	66	43
10 23	4 49.89	+21 49.6	1.886	2.690	15.0	20.8	136 W	67	42
11 2	4 41.79	+22 19.1	1.844	2.734	11.2	20.6	148 W	67	42
11 12	4 31.29	+22 43.5	1.826	2.776	7.0	20.4	160 W	68	41
11 17	4 25.44	+22 53.4	1.827	2.797	4.8	20.4	166 W	68	41
11 22	4 19.38	+23 1.6	1.836	2.818	2.6	20.3	172 W	68	41
11 27	4 13.27	+23 8.2	1.852	2.839	0.7	20.1	178 W	68	41
12 2	4 7.28	+23 13.3	1.877	2.859	2.0	20.3	174 E	68	41
12 7	4 1.55	+23 17.2	1.909	2.879	4.1	20.5	168 E	68	41
12 12	3 56.22	+23 20.1	1.948	2.899	6.1	20.6	162 E	68	41
12 17	3 51.41	+23 22.6	1.995	2.919	8.0	20.8	156 E	68	41
12 22	3 47.20	+23 25.0	2.048	2.939	9.8	20.9	150 E	68	41
12 27	3 43.65	+23 27.5	2.108	2.958	11.3	21.1	144 E	68	41
1 1	3 40.80	+23 30.7	2.173	2.977	12.8	21.2	138 E	69	40
1 6	3 38.66	+23 34.6	2.243	2.996	14.0	21.3	132 E	69	40
1 11	3 37.23	+23 39.7	2.318	3.015	15.1	21.5	127 E	69	40
		354876 2006 BG_{55}							
12 27	19 33.19	−21 32.6	1.472	0.594	27.5	19.3	16 E	6*	7*
1 1	20 8.76	−21 11.9	1.444	0.610	32.3	19.5	19 E	8*	10*
1 6	20 43.95	−20 25.5	1.422	0.636	36.2	19.7	22 E	10*	13*
1 11	21 18.26	−19 15.0	1.407	0.671	39.2	19.8	26 E	12*	16*
1 16	21 51.32	−17 43.3	1.401	0.713	41.2	20.0	29 E	14*	18*
1 21	22 22.87	−15 54.5	1.404	0.760	42.2	20.2	31 E	16*	20*
1 26	22 52.75	−13 53.1	1.416	0.810	42.5	20.3	34 E	19*	22*
1 31	23 20.90	−11 43.5	1.436	0.861	42.2	20.5	36 E	21*	24*
2 5	23 47.33	− 9 29.9	1.464	0.914	41.4	20.7	38 E	23*	25*
2 10	0 12.13	− 7 15.8	1.500	0.967	40.3	20.8	39 E	24*	26*
2 15	0 35.41	− 5 4.0	1.542	1.020	39.0	20.9	41 E	26*	27*
2 20	0 57.27	− 2 56.6	1.590	1.072	37.6	21.1	41 E	27*	27*
2 25	1 17.86	− 0 55.1	1.643	1.124	36.1	21.2	42 E	28*	27*
3 2	1 37.29	+ 0 59.7	1.700	1.174	34.6	21.3	42 E	28*	27*
3 7	1 55.71	+ 2 47.3	1.760	1.224	33.0	21.5	42 E	28*	27*
		192642 1999 RD_{32}							
12 27	19 33.21	−21 36.2	1.686	0.791	20.3	17.9	16 E	6*	7*
1 1	20 1.88	−19 55.5	1.728	0.849	21.0	18.2	18 E	8*	8*
1 6	20 28.31	−18 5.0	1.777	0.910	21.0	18.4	19 E	10*	9*
1 11	20 52.64	−16 9.0	1.831	0.973	20.7	18.6	20 E	11*	9*
1 16	21 15.04	−14 10.8	1.891	1.036	20.0	18.8	21 E	12*	9*
1 21	21 35.70	−12 12.9	1.955	1.100	19.1	18.9	21 E	13*	8*
1 26	21 54.81	−10 16.9	2.023	1.163	18.0	19.1	21 E	13*	8*
1 31	22 12.56	− 8 24.0	2.093	1.227	16.9	19.2	21 E	14*	7*
2 5	22 29.11	− 6 34.9	2.165	1.289	15.6	19.4	21 E	13*	6*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
192642 1999 RD_{32}									*(continuation)*
	h m	° ′			°	m	°	°	°
2 15	22 59.19	− 3 9.1	2.311	1.412	13.0	19.6	19 E	12*	4*
2 25	23 26.01	− 0 0.4	2.457	1.532	10.4	19.8	16 E	10*	2*
3 7	23 50.29	+ 2 52.1	2.599	1.648	7.8	20.0	13 E	7*	—
3 17	0 12.57	+ 5 29.7	2.733	1.760	5.4	20.2	10 E	4*	—
3 27	0 33.21	+ 7 53.8	2.857	1.868	3.2	20.3	6 E	—	—
4 6	0 52.51	+10 5.8	2.969	1.973	2.1	20.4	4 W	—	—
4 16	1 10.66	+12 6.8	3.068	2.074	3.2	20.6	7 W	—	—
4 26	1 27.80	+13 57.9	3.151	2.172	5.1	20.9	11 W	2*	4*
5 6	1 44.02	+15 39.6	3.217	2.267	7.2	21.1	16 W	4*	9*
5 16	1 59.37	+17 13.0	3.267	2.359	9.2	21.3	22 W	7*	14*
18726 1998 KC_2									
12 27	19 33.46	− 5 39.8	3.804	2.937	8.0	20.9	24 E	18*	1*
1 6	19 48.56	− 5 4.0	3.858	2.954	6.6	20.9	20 E	14*	—
1 16	20 3.56	− 4 19.9	3.897	2.970	5.5	20.9	17 E	8*	—
1 26	20 18.38	− 3 28.0	3.921	2.986	5.1	20.9	16 W	8*	—
2 5	20 32.94	− 2 29.0	3.929	3.000	5.5	20.9	17 W	11*	—
2 15	20 47.18	− 1 23.4	3.922	3.013	6.5	21.0	20 W	14*	4*
2 25	21 1.03	− 0 11.8	3.899	3.026	7.8	21.0	24 W	16*	10*
3 7	21 14.44	+ 1 5.0	3.861	3.037	9.3	21.1	30 W	19*	17*
3 17	21 27.35	+ 2 26.3	3.809	3.048	10.8	21.1	35 W	21*	23*
3 27	21 39.68	+ 3 51.3	3.743	3.058	12.3	21.1	41 W	23*	29*
4 6	21 51.37	+ 5 19.2	3.664	3.066	13.8	21.1	47 W	26*	35*
4 16	22 2.34	+ 6 49.2	3.573	3.074	15.1	21.1	53 W	29*	40*
4 26	22 12.49	+ 8 20.5	3.471	3.081	16.3	21.1	59 W	32*	45*
5 6	22 21.73	+ 9 52.0	3.360	3.086	17.3	21.1	66 W	35*	49*
5 16	22 29.93	+11 22.7	3.241	3.091	18.2	21.0	73 W	39*	51*
5 26	22 36.93	+12 51.4	3.116	3.095	18.8	21.0	79 W	44*	51*
6 5	22 42.59	+14 16.5	2.987	3.098	19.1	20.9	87 W	49*	50
6 15	22 46.70	+15 36.3	2.857	3.100	19.1	20.8	94 W	54*	48
6 25	22 49.07	+16 48.5	2.728	3.101	18.7	20.7	102 W	59*	47
7 5	22 49.54	+17 50.3	2.603	3.101	17.9	20.6	110 W	63*	46
7 15	22 47.94	+18 38.4	2.486	3.100	16.8	20.4	118 W	64	45
7 25	22 44.25	+19 9.0	2.380	3.099	15.2	20.3	127 W	64	45
8 4	22 38.58	+19 18.3	2.289	3.096	13.3	20.1	136 W	64	45
8 14	22 31.23	+19 3.1	2.217	3.092	11.2	20.0	144 W	64	45
8 24	22 22.79	+18 21.8	2.168	3.087	9.3	19.8	150 W	63	46
9 3	22 14.00	+17 15.7	2.144	3.082	8.3	19.8	154 E	62	47
9 8	22 9.73	+16 34.5	2.143	3.078	8.3	19.8	154 E	62	47
9 13	22 5.69	+15 48.8	2.148	3.075	8.7	19.8	152 E	61	48
9 18	22 1.98	+14 59.7	2.159	3.071	9.4	19.8	150 E	60	49
9 23	21 58.67	+14 8.0	2.177	3.067	10.3	19.9	147 E	59	50
9 28	21 55.82	+13 14.9	2.202	3.063	11.3	19.9	143 E	58	51
10 3	21 53.49	+12 21.2	2.232	3.059	12.4	20.0	139 E	57	52
10 8	21 51.73	+11 28.0	2.268	3.054	13.5	20.1	135 E	56	53
10 13	21 50.55	+10 36.1	2.309	3.049	14.5	20.2	130 E	56	53
10 23	21 49.96	+ 8 59.2	2.404	3.039	16.3	20.3	121 E	54	55
11 2	21 51.66	+ 7 34.6	2.513	3.028	17.7	20.4	112 E	53	56
11 12	21 55.50	+ 6 25.0	2.632	3.015	18.6	20.6	103 E	51	57*
11 22	22 1.25	+ 5 31.6	2.756	3.002	19.1	20.7	95 E	51	55*
12 2	22 8.67	+ 4 54.2	2.883	2.988	19.2	20.8	86 E	50	51*
12 12	22 17.52	+ 4 32.4	3.009	2.972	18.9	20.8	78 E	50	45*
12 22	22 27.59	+ 4 24.9	3.130	2.956	18.3	20.9	71 E	49*	39*
1 1	22 38.67	+ 4 30.7	3.245	2.939	17.4	20.9	63 E	47*	32*
1 11	22 50.62	+ 4 48.3	3.352	2.921	16.2	20.9	56 E	44*	26*
1 21	23 3.28	+ 5 16.4	3.447	2.902	14.9	20.9	49 E	40*	20*
196174 2002 WQ_{11}									
12 27	19 33.90	−35 7.4	2.522	1.627	11.5	20.0	19 E	—	13*
1 6	20 8.10	−34 23.5	2.509	1.601	10.8	19.9	18 E	—	11*
1 16	20 42.50	−33 9.1	2.495	1.578	10.3	19.8	17 E	—	10*
1 26	21 16.66	−31 24.7	2.481	1.558	10.0	19.8	16 E	—	9*
2 5	21 50.21	−29 12.3	2.468	1.541	9.9	19.7	16 E	—	7*
2 15	22 22.89	−26 34.8	2.457	1.527	9.9	19.7	15 E	—	6*
2 25	22 54.52	−23 36.2	2.449	1.517	9.9	19.7	15 E	—	5*
3 7	23 25.06	−20 21.1	2.444	1.511	10.1	19.7	15 E	—	4*
3 17	23 54.51	−16 54.0	2.443	1.508	10.2	19.7	16 E	—	3*
3 27	0 22.94	−13 19.8	2.445	1.510	10.4	19.7	16 W	—	1*
4 6	0 50.46	− 9 42.7	2.450	1.515	10.6	19.7	16 W	—	3*
4 16	1 17.19	− 6 6.8	2.457	1.524	11.0	19.8	17 W	—	5*
4 26	1 43.24	− 2 35.6	2.464	1.536	11.5	19.8	18 W	—	8*
5 6	2 8.73	+ 0 48.3	2.472	1.552	12.1	19.9	19 W	—	10*
5 16	2 33.77	+ 4 2.6	2.479	1.572	13.0	19.9	20 W	—	13*
5 26	2 58.42	+ 7 5.5	2.483	1.594	14.0	20.0	22 W	—	16*
6 5	3 22.76	+ 9 55.9	2.483	1.619	15.2	20.1	25 W	—	19*
6 15	3 46.82	+12 33.2	2.480	1.646	16.5	20.1	27 W	2*	21*
6 25	4 10.60	+14 57.0	2.470	1.675	17.9	20.2	30 W	7*	23*
7 5	4 34.12	+17 7.5	2.455	1.706	19.3	20.3	34 W	12*	25*
7 15	4 57.33	+19 5.2	2.433	1.739	20.8	20.4	37 W	18*	26*
7 25	5 20.18	+20 50.8	2.403	1.772	22.2	20.4	41 W	24*	27*
8 4	5 42.60	+22 25.5	2.366	1.807	23.6	20.5	46 W	30*	28*
196174 2002 WQ_{11}									*(continuation)*
	h m	° ′			°	m	°	°	°
8 14	6 4.52	+23 50.9	2.320	1.843	25.0	20.5	50 W	36*	28*
8 24	6 25.79	+25 8.9	2.267	1.879	26.1	20.5	55 W	43*	29*
9 3	6 46.33	+26 21.7	2.207	1.915	27.2	20.5	60 W	49*	29*
9 13	7 5.97	+27 31.9	2.139	1.952	28.0	20.5	66 W	55*	29*
9 23	7 24.52	+28 42.6	2.065	1.988	28.6	20.5	71 W	61*	29*
10 3	7 41.82	+29 57.2	1.986	2.025	28.9	20.5	78 W	68*	29*
10 13	7 57.58	+31 19.3	1.903	2.061	28.8	20.4	84 W	73*	29*
10 23	8 11.50	+32 53.0	1.818	2.097	28.3	20.4	92 W	78*	29*
11 2	8 23.21	+34 41.9	1.734	2.132	27.3	20.3	99 W	80	28*
11 7	8 28.07	+35 43.1	1.693	2.150	26.6	20.2	103 W	81	28*
11 12	8 32.18	+36 49.1	1.653	2.167	25.8	20.1	108 W	82	27*
11 17	8 35.46	+38 0.1	1.615	2.185	24.9	20.1	112 W	83	26*
11 22	8 37.84	+39 15.8	1.580	2.202	23.7	20.0	116 W	84	25
11 27	8 39.21	+40 36.1	1.547	2.219	22.5	20.0	121 W	86	23
12 2	8 39.49	+42 0.2	1.518	2.235	21.1	19.9	125 W	87	22
12 7	8 38.58	+43 27.1	1.492	2.252	19.7	19.8	130 W	88	21
12 12	8 36.42	+44 55.5	1.471	2.268	18.2	19.8	134 W	90	19
12 17	8 32.96	+46 23.4	1.455	2.284	16.7	19.7	138 W	89	18
12 22	8 28.20	+47 49.0	1.445	2.300	15.3	19.7	142 W	87	16
12 27	8 22.18	+49 9.9	1.440	2.316	14.1	19.6	145 W	86	15
1 1	8 15.02	+50 23.7	1.442	2.332	13.1	19.6	147 W	85	14
1 6	8 6.90	+51 28.4	1.450	2.347	12.5	19.6	149 W	84	13
1 11	7 58.12	+52 22.2	1.464	2.362	12.4	19.6	149 W	83	12
1 16	7 49.03	+53 4.0	1.485	2.377	12.7	19.7	148 E	82	11
1 21	7 39.98	+53 33.4	1.512	2.392	13.3	19.8	146 E	81	10
160541 1997 WM_{58}									
12 27	19 34.36	−22 6.3	3.350	2.422	6.6	20.8	16 E	5*	8*
1 6	19 54.07	−21 31.9	3.353	2.394	4.4	20.7	11 E	2*	3*
1 16	20 14.04	−20 47.9	3.343	2.365	2.2	20.5	5 E	—	—
1 26	20 34.19	−19 54.6	3.320	2.336	0.5	20.3	1 E	—	—
2 5	20 54.45	−18 52.3	3.285	2.306	2.4	20.5	6 W	—	—
2 15	21 14.78	−17 41.5	3.239	2.275	4.6	20.5	11 W	—	5*
2 25	21 35.13	−16 22.9	3.181	2.244	6.8	20.6	16 W	—	10*
3 7	21 55.49	−14 57.3	3.114	2.213	9.1	20.6	21 W	—	15*
3 17	22 15.86	−13 25.3	3.038	2.182	11.3	20.6	25 W	1*	19*
3 27	22 36.22	−11 48.0	2.954	2.150	13.5	20.6	30 W	2*	24*
4 6	22 56.60	−10 6.4	2.862	2.118	15.6	20.6	35 W	4*	29*
4 16	23 17.03	− 8 21.4	2.765	2.086	17.7	20.5	39 W	5*	33*
4 26	23 37.51	− 6 34.2	2.662	2.054	19.7	20.5	44 W	6*	38*
5 6	23 58.10	− 4 45.9	2.555	2.022	21.7	20.4	48 W	8*	42*
5 16	0 18.82	− 2 57.8	2.446	1.991	23.6	20.3	52 W	10*	46*
5 26	0 39.70	− 1 11.2	2.334	1.960	25.4	20.3	56 W	13*	49*
6 5	1 0.76	+ 0 32.7	2.221	1.930	27.2	20.2	60 W	16*	52*
6 15	1 22.02	+ 2 12.3	2.107	1.900	28.8	20.1	64 W	20*	54*
6 25	1 43.46	+ 3 46.2	1.994	1.871	30.3	20.0	68 W	24*	56*
7 5	2 5.06	+ 5 12.9	1.881	1.843	31.7	19.8	72 W	29*	56*
7 15	2 26.76	+ 6 30.9	1.770	1.817	32.9	19.7	76 W	35*	56*
7 25	2 48.46	+ 7 38.8	1.661	1.792	33.9	19.6	80 W	40*	56*
8 4	3 10.03	+ 8 35.5	1.555	1.768	34.8	19.4	84 W	45*	55*
8 14	3 31.27	+ 9 19.7	1.452	1.746	35.4	19.3	88 W	49*	55
8 24	3 51.92	+ 9 51.1	1.352	1.727	35.8	19.1	93 W	52*	54
9 3	4 11.68	+10 9.6	1.255	1.709	35.8	18.9	97 W	55*	54
9 13	4 30.14	+10 15.7	1.163	1.694	35.5	18.7	102 W	55	54
9 23	4 46.85	+10 11.0	1.075	1.681	34.6	18.5	108 W	55	54
10 3	5 1.27	+ 9 58.0	0.993	1.671	33.2	18.3	114 W	55	54
10 13	5 12.76	+ 9 40.3	0.917	1.664	31.1	18.0	121 W	55	54
10 23	5 20.73	+ 9 23.1	0.849	1.659	28.1	17.8	128 W	54	55
10 28	5 23.21	+ 9 16.5	0.818	1.658	26.3	17.7	132 W	54	55
11 2	5 24.61	+ 9 12.4	0.790	1.658	24.3	17.5	137 W	54	55
11 7	5 24.89	+ 9 11.7	0.765	1.658	22.0	17.4	141 W	54	55
11 12	5 24.07	+ 9 15.2	0.743	1.659	19.5	17.2	146 W	54	55
11 17	5 22.20	+ 9 23.7	0.725	1.661	16.8	17.1	151 W	54	55
11 22	5 19.38	+ 9 37.9	0.712	1.663	14.0	17.0	156 W	55	54
12 2	5 11.49	+10 24.2	0.698	1.670	8.7	16.7	165 W	55	54
12 12	5 2.18	+11 34.0	0.704	1.680	7.0	16.7	168 E	57	52
12 22	4 53.68	+13 2.4	0.731	1.692	10.8	16.9	161 E	58	51
12 27	4 50.33	+13 51.3	0.752	1.699	13.5	17.1	156 E	59	50
1 1	4 47.82	+14 42.1	0.778	1.707	16.1	17.3	151 E	60	49
1 6	4 46.29	+15 33.8	0.808	1.715	18.6	17.5	146 E	61	48
1 11	4 45.81	+16 25.9	0.843	1.724	20.9	17.6	141 E	61	48
1 16	4 46.39	+17 17.4	0.882	1.734	22.9	17.8	137 E	62	47
1 21	4 48.02	+18 7.9	0.923	1.744	24.7	18.0	132 E	63	46
19388 1998 DQ_3									
12 27	19 34.42	−11 42.8	3.751	2.851	6.9	20.2	20 E	14*	3*
1 6	19 50.07	−11 31.4	3.767	2.828	5.1	20.1	15 E	9*	—
1 16	20 5.95	−11 11.7	3.767	2.805	3.6	20.0	10 E	4*	—
1 26	20 21.96	−10 44.1	3.750	2.780	3.0	19.9	8 W	2*	—

19388 1998 DQ_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	20 38.04	−10 9.4	3.718	2.755	3.8	19.9	11 W	4*	—
2 15	20 54.14	− 9 28.1	3.670	2.728	5.4	19.9	15 W	7*	6*
2 25	21 10.18	− 8 41.0	3.607	2.701	7.3	20.0	20 W	8*	12*
3 7	21 26.15	− 7 49.0	3.530	2.672	9.3	20.0	26 W	10*	18*
3 17	21 41.99	− 6 52.9	3.439	2.643	11.3	20.0	32 W	12*	24*
3 27	21 57.67	− 5 53.9	3.336	2.612	13.4	20.0	37 W	13*	30*
4 6	22 13.18	− 4 52.9	3.221	2.581	15.3	19.9	43 W	15*	36*
4 16	22 28.48	− 3 51.1	3.096	2.548	17.2	19.9	49 W	16*	42*
4 26	22 43.54	− 2 49.9	2.961	2.515	19.0	19.8	55 W	18*	47*
5 6	22 58.35	− 1 50.6	2.819	2.481	20.7	19.7	60 W	20*	52*
5 16	23 12.86	− 0 54.8	2.670	2.446	22.2	19.6	66 W	23*	57*
5 26	23 27.01	− 0 4.2	2.515	2.410	23.6	19.5	72 W	26*	60*
6 5	23 40.75	+ 0 39.1	2.358	2.373	24.8	19.4	78 W	29*	62*
6 15	23 53.99	+ 1 12.8	2.198	2.335	25.7	19.2	85 W	33*	63*
6 25	0 6.60	+ 1 34.0	2.038	2.297	26.3	19.0	91 W	37*	62
7 5	0 18.44	+ 1 39.7	1.879	2.258	26.5	18.8	98 W	41*	62
7 15	0 29.28	+ 1 25.8	1.724	2.219	26.2	18.6	105 W	44*	63
7 25	0 38.87	+ 0 47.9	1.575	2.179	25.5	18.3	113 W	45*	63
8 4	0 46.89	− 0 18.9	1.433	2.138	24.1	18.1	121 W	45	64
8 14	0 52.94	− 1 59.5	1.303	2.098	21.9	17.7	129 W	43	66
8 24	0 56.61	− 4 17.8	1.187	2.057	19.0	17.4	139 W	41	68
9 3	0 57.55	− 7 14.3	1.089	2.016	15.5	17.1	148 W	38	71
9 8	0 56.92	− 8 55.6	1.047	1.995	13.6	16.9	152 W	36	73
9 13	0 55.54	−10 43.9	1.012	1.975	11.8	16.7	156 W	34	75
9 18	0 53.48	−12 37.0	0.982	1.954	10.5	16.6	159 W	32	77
9 23	0 50.79	−14 32.4	0.958	1.934	9.8	16.5	161 W	30	79
9 28	0 47.57	−16 27.2	0.940	1.914	10.2	16.4	160 W	29	80
10 3	0 43.97	−18 18.1	0.929	1.893	11.5	16.4	158 W	27	82
10 8	0 40.17	−20 1.9	0.923	1.873	13.5	16.5	154 E	25	84
10 13	0 36.36	−21 35.7	0.924	1.854	15.9	16.5	149 E	23	86
10 18	0 32.77	−22 57.5	0.929	1.834	18.4	16.6	145 E	22	87
10 23	0 29.58	−24 5.6	0.939	1.815	20.8	16.7	140 E	21	88
10 28	0 26.98	−24 59.5	0.953	1.795	23.2	16.8	135 E	20	89
11 2	0 25.10	−25 38.8	0.970	1.777	25.4	16.8	130 E	19	90
11 7	0 24.07	−26 3.9	0.990	1.758	27.5	16.9	125 E	19	90
11 12	0 23.96	−26 15.4	1.012	1.740	29.3	17.0	121 E	19	90
11 17	0 24.82	−26 14.4	1.036	1.722	30.9	17.1	117 E	19	90
11 22	0 26.63	−26 1.9	1.062	1.705	32.3	17.2	113 E	19	90
11 27	0 29.38	−25 38.9	1.088	1.688	33.6	17.2	109 E	19	90
12 2	0 33.04	−25 6.4	1.115	1.672	34.7	17.3	105 E	20	89
12 7	0 37.56	−24 25.1	1.142	1.656	35.6	17.3	102 E	21	88
12 12	0 42.89	−23 36.0	1.169	1.641	36.3	17.4	99 E	21	88
12 17	0 48.98	−22 39.9	1.196	1.627	37.0	17.4	96 E	22	86*
12 22	0 55.76	−21 37.4	1.222	1.613	37.5	17.5	93 E	23	83*
12 27	1 3.19	−20 29.2	1.249	1.600	37.9	17.5	91 E	25	80*
1 1	1 11.21	−19 15.7	1.275	1.588	38.3	17.6	88 E	26	76*
1 6	1 19.79	−17 57.4	1.300	1.576	38.5	17.6	86 E	27	73*
1 11	1 28.88	−16 34.9	1.325	1.566	38.7	17.6	84 E	28	70*
1 16	1 38.45	−15 8.7	1.350	1.556	38.8	17.7	82 E	30	68*
1 21	1 48.46	−13 39.3	1.375	1.547	38.8	17.7	80 E	31	65*

97834 2000 PN_6

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 34.57	−13 9.1	3.509	2.604	7.3	20.5	20 E	13*	4*
1 6	19 51.99	−13 3.2	3.521	2.579	5.4	20.4	14 E	8*	—
1 16	20 9.69	−12 48.2	3.518	2.552	3.6	20.3	9 E	3*	—
1 26	20 27.59	−12 24.5	3.500	2.525	2.5	20.2	7 W	—	—
2 5	20 45.63	−11 52.9	3.469	2.497	3.2	20.2	8 W	2*	—
2 15	21 3.77	−11 14.0	3.424	2.468	4.9	20.2	12 W	4*	4*
2 25	21 21.96	−10 28.9	3.365	2.438	7.0	20.3	17 W	5*	10*
3 7	21 40.18	− 9 38.5	3.294	2.408	9.1	20.3	23 W	6*	16*
3 17	21 58.42	− 8 43.8	3.211	2.377	11.3	20.3	28 W	8*	21*
3 27	22 16.65	− 7 46.0	3.117	2.346	13.4	20.3	33 W	9*	27*
4 6	22 34.90	− 6 46.4	3.014	2.314	15.6	20.3	38 W	10*	32*
4 16	22 53.16	− 5 46.2	2.901	2.282	17.6	20.2	44 W	11*	37*
4 26	23 11.44	− 4 47.0	2.782	2.249	19.7	20.2	49 W	12*	42*
5 6	23 29.76	− 3 50.2	2.656	2.216	21.6	20.1	54 W	14*	47*
5 16	23 48.15	− 2 57.7	2.524	2.182	23.4	20.0	59 W	16*	52*
5 26	0 6.60	− 2 11.4	2.389	2.149	25.1	19.9	64 W	18*	56*
6 5	0 25.12	− 1 33.3	2.251	2.115	26.6	19.8	69 W	21*	59*
6 15	0 43.71	− 1 5.8	2.113	2.082	28.0	19.7	74 W	24*	62*
6 25	1 2.32	− 0 51.8	1.974	2.048	29.2	19.5	79 W	27*	64*
7 5	1 20.92	− 0 54.0	1.837	2.015	30.2	19.3	85 W	31*	65*
7 15	1 39.40	− 1 15.7	1.703	1.982	30.9	19.2	90 W	35*	65
7 25	1 57.63	− 2 0.4	1.574	1.949	31.3	19.0	95 W	38*	66
8 4	2 15.41	− 3 11.5	1.451	1.918	31.3	18.8	101 W	39*	67
8 14	2 32.47	− 4 52.3	1.335	1.887	31.1	18.5	106 W	40*	69
8 24	2 48.45	− 7 4.9	1.229	1.857	30.4	18.3	112 W	38	71
9 3	3 2.93	− 9 50.0	1.134	1.828	29.5	18.1	117 W	35	74
9 8	3 9.44	−11 24.2	1.091	1.814	28.9	18.0	120 W	34	75
9 13	3 15.35	−13 5.4	1.051	1.801	28.2	17.8	122 W	32	77

97834 2000 PN_6 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 18	3 20.62	−14 52.6	1.015	1.788	27.6	17.7	125 W	30	79
9 23	3 25.15	−16 44.3	0.983	1.775	26.9	17.6	127 W	28	81
9 28	3 28.89	−18 39.2	0.954	1.763	26.3	17.5	129 W	26	83
10 3	3 31.77	−20 35.1	0.928	1.751	25.8	17.4	130 W	24	85
10 8	3 33.71	−22 29.7	0.907	1.740	25.4	17.4	132 W	23	86
10 13	3 34.72	−24 20.3	0.889	1.729	25.1	17.3	133 W	21	88
10 18	3 34.78	−26 4.2	0.875	1.719	24.9	17.2	133 W	19	90
10 23	3 33.95	−27 38.6	0.864	1.710	24.9	17.2	134 W	17	88
10 28	3 32.29	−29 1.0	0.857	1.701	25.1	17.2	133 W	16	87
11 2	3 29.91	−30 9.0	0.854	1.692	25.5	17.2	133 W	15	86
11 7	3 26.98	−31 0.5	0.853	1.685	26.0	17.2	132 W	14	85
11 12	3 23.72	−31 34.0	0.855	1.678	26.6	17.2	131 W	13	84
11 17	3 20.34	−31 48.7	0.860	1.671	27.3	17.2	129 E	13	84
11 22	3 17.07	−31 44.6	0.868	1.666	28.0	17.2	128 E	13	84
11 27	3 14.12	−31 22.1	0.878	1.661	28.8	17.3	126 E	14	85
12 2	3 11.68	−30 41.9	0.890	1.657	29.6	17.3	124 E	14	85
12 7	3 9.90	−29 45.2	0.905	1.653	30.4	17.4	122 E	15	86
12 12	3 8.92	−28 33.6	0.921	1.651	31.1	17.4	120 E	16	87
12 17	3 8.81	−27 8.8	0.939	1.649	31.8	17.5	118 E	18	89
12 22	3 9.58	−25 32.9	0.960	1.648	32.5	17.6	116 E	19	90
12 27	3 11.25	−23 47.4	0.982	1.647	33.1	17.6	114 E	21	88
1 1	3 13.79	−21 54.0	1.006	1.648	33.6	17.7	112 E	23	86
1 6	3 17.19	−19 54.4	1.032	1.649	34.1	17.8	110 E	25	84
1 11	3 21.41	−17 50.2	1.060	1.651	34.6	17.8	108 E	27	82
1 16	3 26.38	−15 43.0	1.090	1.654	34.9	17.9	106 E	29	80
1 21	3 32.07	−13 34.0	1.122	1.657	35.3	18.0	104 E	31	78

138883 2000 YL_{29}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 34.87	−12 17.0	1.876	1.012	19.6	19.1	20 E	13*	4*
1 6	20 19.32	−11 36.0	1.891	1.027	19.4	19.1	20 E	13*	4*
1 16	21 2.67	−10 30.1	1.918	1.050	18.8	19.2	20 E	13*	4*
1 26	21 44.43	− 9 3.7	1.956	1.082	17.9	19.3	20 E	13*	5*
1 31	22 4.61	− 8 14.5	1.978	1.100	17.4	19.3	20 E	12*	5*
2 5	22 24.31	− 7 22.2	2.003	1.119	16.8	19.3	19 E	12*	5*
2 10	22 43.51	− 6 27.4	2.029	1.140	16.2	19.4	19 E	11*	6*
2 15	23 2.24	− 5 30.8	2.057	1.162	15.5	19.4	18 E	11*	6*
2 25	23 38.24	− 3 34.7	2.117	1.208	14.1	19.5	17 E	9*	6*
3 7	0 12.47	− 1 38.2	2.180	1.257	12.6	19.6	16 E	8*	6*
3 17	0 45.11	+ 0 15.3	2.244	1.307	11.2	19.7	15 E	6*	6*
3 27	1 16.34	+ 2 3.0	2.309	1.358	9.8	19.8	13 E	3*	6*
4 6	1 46.34	+ 3 42.4	2.372	1.408	8.5	19.9	12 E	—	6*
4 16	2 15.29	+ 5 12.0	2.432	1.459	7.4	20.0	11 E	—	5*
4 26	2 43.31	+ 6 30.5	2.488	1.508	6.7	20.1	10 E	—	4*
5 6	3 10.50	+ 7 36.7	2.539	1.556	6.4	20.2	10 E	—	2*
5 16	3 36.95	+ 8 30.1	2.585	1.602	6.7	20.3	11 E	—	—
5 26	4 2.69	+ 9 10.2	2.623	1.646	7.4	20.4	12 W	—	1*
6 5	4 27.77	+ 9 36.8	2.655	1.689	8.4	20.5	14 W	—	5*
6 15	4 52.20	+ 9 49.9	2.678	1.730	9.7	20.7	17 W	—	9*
6 25	5 15.97	+ 9 49.6	2.693	1.768	11.1	20.8	20 W	—	13*
7 5	5 39.07	+ 9 36.2	2.699	1.804	12.6	20.9	23 W	—	17*
7 15	6 1.49	+ 9 10.2	2.696	1.838	14.1	21.0	26 W	—	20*
7 25	6 23.20	+ 8 32.1	2.683	1.870	15.6	21.1	30 W	4*	23*
8 4	6 44.18	+ 7 42.5	2.660	1.899	17.2	21.1	34 W	9*	27*
8 14	7 4.41	+ 6 42.1	2.627	1.926	18.7	21.2	38 W	14*	30*
8 24	7 23.83	+ 5 31.9	2.584	1.950	20.2	21.2	42 W	19*	33*
9 3	7 42.43	+ 4 12.5	2.532	1.972	21.7	21.2	46 W	24*	36*
9 13	8 0.16	+ 2 44.8	2.469	1.992	23.0	21.3	51 W	28*	39*
9 23	8 16.94	+ 1 9.9	2.397	2.010	24.4	21.2	56 W	32*	42*
10 3	8 32.73	− 0 31.2	2.315	2.025	25.6	21.2	61 W	35*	46*
10 13	8 47.42	− 2 17.5	2.225	2.037	26.6	21.2	66 W	38*	49*
10 23	9 0.87	− 4 7.7	2.128	2.047	27.5	21.1	72 W	39*	54*
11 2	9 12.93	− 6 0.2	2.023	2.055	28.2	21.0	78 W	39*	59*
11 12	9 23.38	− 7 53.5	1.913	2.061	28.5	20.9	84 W	37	64*
11 22	9 31.94	− 9 44.9	1.799	2.064	28.6	20.8	91 W	35	70*
12 2	9 38.28	−11 31.7	1.683	2.065	28.2	20.7	98 W	33	75*
12 12	9 41.97	−13 9.6	1.568	2.063	27.4	20.5	106 W	32	77
12 17	9 42.68	−13 53.4	1.511	2.061	26.7	20.4	110 W	31	78
12 22	9 42.57	−14 32.8	1.456	2.059	25.9	20.3	114 W	30	79
12 27	9 41.58	−15 6.7	1.402	2.056	25.0	20.2	118 W	30	79
1 1	9 39.66	−15 33.9	1.350	2.052	23.9	20.0	122 W	29	80
1 6	9 36.78	−15 53.0	1.302	2.048	22.6	19.9	127 W	29	80
1 11	9 32.96	−16 2.8	1.256	2.043	21.2	19.8	131 W	29	80
1 16	9 28.22	−16 1.8	1.214	2.038	19.7	19.7	136 W	29	80
1 21	9 22.64	−15 48.9	1.177	2.032	18.1	19.5	140 W	29	80

415746 2000 JN_{10}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 36.02	−33 53.7	2.177	1.288	14.4	20.9	19 E	—	13*
1 1	19 57.62	−33 14.3	2.180	1.289	14.2	20.9	19 E	—	13*
1 6	20 18.91	−32 22.4	2.186	1.293	14.0	20.9	19 E	—	13*
1 11	20 39.77	−31 18.6	2.195	1.298	13.8	20.9	18 E	—	12*

415746 2000 JN_{10} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
1 16	21 0.09	−30 4.1	2.205	1.306	13.5	20.9	18 E	—	12*
1 21	21 19.82	−28 40.0	2.218	1.315	13.1	20.9	18 E	—	12*
1 26	21 38.89	−27 7.6	2.233	1.325	12.7	20.9	17 E	—	11*
1 31	21 57.29	−25 28.1	2.251	1.338	12.3	20.9	17 E	—	11*
2 5	22 15.01	−23 42.9	2.270	1.352	11.8	21.0	16 E	—	10*
2 10	22 32.08	−21 53.1	2.292	1.367	11.2	21.0	16 E	—	10*
2 15	22 48.51	−20 0.0	2.315	1.384	10.6	21.0	15 E	—	9*
2 20	23 4.34	−18 4.7	2.339	1.402	10.0	21.0	14 E	—	8*
2 25	23 19.59	−16 8.0	2.365	1.421	9.3	21.1	13 E	—	7*
3 2	23 34.32	−14 10.9	2.392	1.442	8.6	21.1	13 E	—	7*
3 7	23 48.55	−12 14.0	2.420	1.463	8.0	21.1	12 E	—	6*
3 12	0 2.34	−10 18.0	2.449	1.485	7.3	21.1	11 E	—	5*
3 17	0 15.72	− 8 23.5	2.478	1.508	6.6	21.2	10 E	—	4*
3 22	0 28.72	− 6 30.9	2.507	1.532	6.0	21.2	9 E	—	2*
3 27	0 41.37	− 4 40.5	2.536	1.556	5.4	21.2	9 E	—	1*
4 1	0 53.72	− 2 52.8	2.565	1.581	5.0	21.3	8 E	—	—
4 6	1 5.79	− 1 7.9	2.593	1.607	4.7	21.3	8 E	—	—
4 11	1 17.60	+ 0 34.1	2.620	1.632	4.7	21.4	8 W	—	—
4 16	1 29.18	+ 2 13.0	2.646	1.659	4.8	21.4	8 W	—	—
4 21	1 40.54	+ 3 48.6	2.671	1.685	5.2	21.5	9 W	—	1*

52762 1998 MT_{24}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	19 36.22	−24 28.5	2.437	1.521	10.7	18.3	17 E	4*	9*
1 1	19 50.24	−23 4.0	2.498	1.568	9.2	18.4	15 E	4*	7*
1 6	20 3.46	−21 39.1	2.558	1.615	7.8	18.4	13 E	3*	5*
1 11	20 15.97	−20 14.1	2.616	1.661	6.5	18.5	11 E	2*	3*
1 16	20 27.83	−18 49.5	2.672	1.707	5.1	18.5	9 E	1*	1*
1 26	20 49.86	−16 1.6	2.776	1.797	2.6	18.6	5 E	—	—
2 5	21 9.94	−13 16.3	2.869	1.885	1.5	18.7	3 W	—	—
2 15	21 28.39	−10 34.0	2.948	1.971	3.3	18.9	7 W	—	—
2 25	21 45.43	− 7 54.7	3.014	2.054	5.6	19.2	12 W	3*	4*
3 7	22 1.20	− 5 18.4	3.064	2.136	7.8	19.4	17 W	6*	9*
3 17	22 15.84	− 2 44.7	3.099	2.215	10.0	19.6	23 W	9*	15*
3 27	22 29.38	− 0 13.7	3.118	2.292	12.0	19.8	29 W	12*	21*
4 6	22 41.87	+ 2 14.9	3.122	2.366	13.9	19.9	35 W	15*	26*
4 16	22 53.31	+ 4 41.2	3.110	2.439	15.6	20.1	41 W	19*	32*
4 26	23 3.65	+ 7 5.2	3.084	2.509	17.1	20.1	47 W	22*	37*
5 6	23 12.83	+ 9 26.9	3.044	2.577	18.4	20.2	54 W	26*	42*
5 16	23 20.75	+11 46.4	2.992	2.644	19.4	20.3	60 W	31*	45*
5 26	23 27.28	+14 3.1	2.929	2.708	20.2	20.3	67 W	36*	47*
6 5	23 32.24	+16 16.7	2.859	2.770	20.7	20.3	75 W	43*	47*
6 15	23 35.42	+18 26.3	2.781	2.831	20.8	20.3	82 W	50*	46
6 25	23 36.61	+20 30.3	2.701	2.889	20.6	20.3	90 W	57*	43
7 5	23 35.56	+22 26.7	2.621	2.946	20.0	20.2	98 W	64*	42
7 15	23 32.07	+24 12.4	2.545	3.001	18.9	20.2	107 W	69*	40
7 25	23 26.04	+25 43.2	2.477	3.054	17.5	20.1	115 W	71	38
8 4	23 17.55	+26 54.6	2.421	3.105	15.7	20.0	124 W	72	37
8 14	23 6.89	+27 41.5	2.383	3.155	13.8	20.0	132 W	73	36
8 19	23 0.94	+27 54.6	2.372	3.179	12.8	19.9	136 W	73	36
8 24	22 54.72	+28 0.3	2.367	3.203	11.9	19.9	139 W	73	36
8 29	22 48.34	+27 58.7	2.368	3.226	11.0	19.9	142 W	73	36
9 3	22 41.93	+27 49.8	2.375	3.249	10.4	19.9	144 E	73	36
9 8	22 35.61	+27 33.9	2.389	3.272	10.0	19.9	146 E	73	36
9 13	22 29.52	+27 11.7	2.410	3.294	9.8	19.9	146 E	72	37
9 18	22 23.78	+26 44.1	2.437	3.316	9.8	20.0	146 E	72	37
9 23	22 18.47	+26 11.8	2.471	3.337	10.1	20.0	144 E	71	38
9 28	22 13.68	+25 36.0	2.512	3.358	10.6	20.1	142 E	71	38
10 3	22 9.46	+24 57.6	2.559	3.379	11.2	20.2	139 E	70	39
10 8	22 5.86	+24 17.6	2.612	3.399	11.9	20.3	136 E	69	40
10 13	22 2.90	+23 37.0	2.670	3.419	12.5	20.3	132 E	69	40
10 18	22 0.58	+22 56.8	2.734	3.439	13.2	20.4	128 E	68	41
10 23	21 58.89	+22 17.7	2.802	3.458	13.8	20.5	124 E	67	42
10 28	21 57.82	+21 40.2	2.874	3.477	14.4	20.6	120 E	67	42
11 2	21 57.33	+21 5.0	2.949	3.495	14.8	20.7	116 E	66	43
11 7	21 57.41	+20 32.4	3.027	3.513	15.2	20.8	111 E	66	43
11 12	21 58.01	+20 2.8	3.108	3.531	15.5	20.9	107 E	65	44*
11 17	21 59.10	+19 36.4	3.191	3.548	15.8	20.9	103 E	65	44*
11 22	22 0.64	+19 13.4	3.275	3.565	15.9	21.0	99 E	64	43*
11 27	22 2.60	+18 53.8	3.360	3.582	15.9	21.1	95 E	64	41*
12 2	22 4.94	+18 37.7	3.446	3.598	15.9	21.1	91 E	64	39*
12 7	22 7.64	+18 25.0	3.531	3.614	15.8	21.2	87 E	63	36*
12 12	22 10.65	+18 15.8	3.616	3.629	15.6	21.2	83 E	63*	34*
12 17	22 13.95	+18 10.0	3.700	3.644	15.4	21.3	79 E	63*	31*
12 22	22 17.51	+18 7.5	3.783	3.659	15.1	21.3	75 E	62*	28*
12 27	22 21.31	+18 8.1	3.865	3.674	14.7	21.4	72 E	61*	24*
1 1	22 25.31	+18 11.9	3.944	3.688	14.3	21.4	68 E	59*	21*
1 6	22 29.51	+18 18.6	4.021	3.702	13.8	21.5	64 E	56*	18*
1 11	22 33.87	+18 28.1	4.096	3.715	13.3	21.5	61 E	54*	15*

317379 2002 OW_{22}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	19 36.41	− 5 45.4	2.497	1.657	14.4	19.8	25 E	19*	1*
1 6	20 5.01	− 5 26.0	2.497	1.627	13.1	19.7	22 E	16*	—
1 16	20 34.09	− 4 51.6	2.497	1.601	11.7	19.6	19 E	13*	—
1 26	21 3.49	− 4 3.5	2.497	1.577	10.2	19.5	16 E	10*	—
2 5	21 33.07	− 3 3.4	2.498	1.558	8.7	19.4	14 E	7*	—
2 15	22 2.73	− 1 53.3	2.500	1.542	7.1	19.4	11 E	3*	—
2 25	22 32.36	− 0 35.6	2.503	1.531	5.5	19.3	9 E	—	—
3 7	23 1.91	+ 0 46.9	2.506	1.524	4.2	19.2	6 W	—	—
3 17	23 31.32	+ 2 11.6	2.510	1.522	3.4	19.1	5 W	—	—
3 27	0 0.57	+ 3 35.8	2.514	1.524	3.7	19.2	6 W	—	—
4 6	0 29.62	+ 4 56.8	2.518	1.531	4.9	19.2	8 W	—	1*
4 16	0 58.46	+ 6 12.2	2.521	1.543	6.5	19.3	10 W	—	4*
4 26	1 27.05	+ 7 19.7	2.522	1.558	8.3	19.4	13 W	—	7*
5 6	1 55.37	+ 8 17.3	2.523	1.578	10.1	19.6	16 W	—	10*
5 16	2 23.36	+ 9 3.3	2.522	1.601	12.0	19.7	19 W	—	13*
5 26	2 50.94	+ 9 36.1	2.518	1.628	13.7	19.8	22 W	—	16*
6 5	3 18.06	+ 9 54.8	2.512	1.658	15.4	19.8	26 W	—	20*
6 15	3 44.60	+ 9 58.6	2.504	1.690	17.0	19.9	29 W	1*	23*
6 25	4 10.47	+ 9 47.1	2.492	1.725	18.5	20.0	33 W	3*	26*
7 5	4 35.56	+ 9 20.1	2.477	1.762	19.9	20.1	36 W	6*	30*
7 15	4 59.77	+ 8 38.0	2.457	1.801	21.3	20.2	40 W	10*	33*
7 25	5 22.96	+ 7 41.2	2.434	1.841	22.5	20.2	44 W	14*	36*
8 4	5 45.06	+ 6 30.4	2.406	1.882	23.6	20.3	48 W	19*	39*
8 14	6 5.95	+ 5 6.5	2.373	1.923	24.5	20.3	52 W	23*	42*
8 24	6 25.52	+ 3 30.6	2.336	1.966	25.4	20.4	56 W	27*	45*
9 3	6 43.66	+ 1 43.9	2.293	2.009	26.1	20.4	61 W	31*	49*
9 13	7 0.26	− 0 12.4	2.245	2.052	26.6	20.4	66 W	34*	52*
9 23	7 15.16	− 2 16.7	2.192	2.095	26.9	20.4	71 W	37*	56*
10 3	7 28.22	− 4 27.4	2.135	2.138	27.1	20.4	77 W	38*	60*
10 13	7 39.24	− 6 42.7	2.075	2.181	27.0	20.4	82 W	38*	65*
10 23	7 48.00	− 8 59.9	2.012	2.224	26.6	20.4	89 W	36	70*
11 2	7 54.26	−11 16.1	1.949	2.266	25.9	20.3	95 W	34	74*
11 12	7 57.75	−13 27.3	1.887	2.308	24.8	20.2	102 W	32	77
11 17	7 58.39	−14 29.3	1.857	2.328	24.1	20.2	106 W	31	78
11 22	7 58.26	−15 27.9	1.829	2.349	23.4	20.2	109 W	30	79
11 27	7 57.36	−16 22.4	1.802	2.369	22.5	20.1	113 W	29	80
12 2	7 55.68	−17 11.8	1.778	2.389	21.6	20.1	117 W	28	81
12 7	7 53.24	−17 55.0	1.757	2.409	20.7	20.1	120 W	27	82
12 12	7 50.09	−18 31.1	1.738	2.429	19.7	20.0	124 W	26	83
12 17	7 46.28	−18 59.1	1.723	2.449	18.6	20.0	127 W	26	83
12 22	7 41.91	−19 18.2	1.713	2.468	17.6	20.0	131 W	26	83
12 27	7 37.08	−19 27.7	1.706	2.488	16.7	19.9	133 W	26	83
1 1	7 31.92	−19 27.2	1.705	2.507	15.8	19.9	136 W	26	83
1 6	7 26.57	−19 16.4	1.708	2.526	15.1	19.9	138 W	26	83
1 11	7 21.20	−18 55.5	1.718	2.544	14.6	19.9	139 E	26	83
1 16	7 15.97	−18 25.0	1.732	2.563	14.4	19.9	140 E	27	82
1 21	7 11.02	−17 45.7	1.753	2.581	14.4	20.0	139 E	27	82

21028 1989 *TO*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	19 36.88	−33 31.7	3.731	2.820	6.5	19.0	19 E	—	13*
1 6	19 54.85	−32 20.9	3.742	2.799	5.0	18.9	14 E	—	8*
1 16	20 12.71	−31 5.0	3.737	2.778	3.9	18.8	11 E	—	3*
1 26	20 30.40	−29 44.0	3.716	2.756	3.9	18.8	11 W	—	—
2 5	20 47.83	−28 18.3	3.680	2.733	4.9	18.8	14 W	—	5*
2 15	21 4.97	−26 47.9	3.630	2.709	6.5	18.9	18 W	—	11*
2 25	21 21.76	−25 13.5	3.565	2.684	8.4	18.9	23 W	—	16*
3 7	21 38.18	−23 35.2	3.487	2.658	10.3	18.9	29 W	—	22*
3 17	21 54.18	−21 53.7	3.395	2.632	12.2	18.9	34 W	—	27*
3 27	22 9.74	−20 9.3	3.292	2.604	14.2	18.9	40 W	—	33*
4 6	22 24.83	−18 22.6	3.178	2.576	16.1	18.8	45 W	3*	39*
4 16	22 39.42	−16 34.0	3.054	2.547	17.9	18.8	51 W	5*	45*
4 26	22 53.45	−14 43.9	2.921	2.517	19.6	18.7	57 W	8*	51*
5 6	23 6.89	−12 52.8	2.780	2.487	21.2	18.6	63 W	10*	57*
5 16	23 19.65	−11 0.9	2.634	2.456	22.6	18.5	69 W	14*	62*
5 26	23 31.65	− 9 8.6	2.482	2.424	23.8	18.4	75 W	18*	67*
6 5	23 42.77	− 7 16.0	2.328	2.392	24.8	18.3	81 W	22*	70*
6 15	23 52.84	− 5 23.3	2.171	2.359	25.5	18.1	88 W	28*	69*
6 25	0 1.65	− 3 30.6	2.015	2.326	25.8	17.9	94 W	33*	68
7 5	0 8.95	− 1 37.8	1.861	2.292	25.8	17.7	101 W	39*	66
7 15	0 14.36	+ 0 15.1	1.711	2.257	25.2	17.5	109 W	44*	64
7 25	0 17.48	+ 2 8.1	1.567	2.223	24.0	17.2	117 W	47*	62
8 4	0 17.84	+ 4 1.1	1.433	2.188	22.1	16.9	126 W	49	60
8 14	0 14.92	+ 5 53.0	1.312	2.153	19.3	16.6	135 W	51	58
8 24	0 8.35	+ 7 41.9	1.207	2.118	15.8	16.3	145 W	53	56
9 3	23 58.05	+ 9 24.5	1.122	2.082	11.6	16.0	156 W	54	55
9 8	23 51.62	+10 11.8	1.088	2.065	9.4	15.8	160 W	55	54
9 13	23 44.51	+10 55.6	1.061	2.048	7.6	15.6	164 W	56	53
9 18	23 36.90	+11 35.3	1.040	2.030	6.7	15.5	166 E	57	52
9 23	23 29.04	+12 10.7	1.025	2.013	7.1	15.5	166 E	57	52
9 28	23 21.17	+12 41.4	1.017	1.996	8.8	15.5	162 E	58	51
10 3	23 13.54	+13 7.5	1.016	1.979	11.1	15.6	158 E	58	51

21028 1989 *TO* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 8	23 6.44	+13 29.6	1.021	1.962	13.6	15.7	152 E	58	51
10 13	23 0.08	+13 48.4	1.031	1.945	16.2	15.8	147 E	59	50
10 18	22 54.66	+14 4.7	1.046	1.928	18.7	15.9	142 E	59	50
10 23	22 50.28	+14 19.7	1.065	1.912	21.1	16.0	136 E	59	50
10 28	22 47.02	+14 34.2	1.089	1.896	23.3	16.1	131 E	60	49
11 2	22 44.93	+14 49.1	1.115	1.880	25.2	16.2	126 E	60	49
11 7	22 43.99	+15 5.2	1.145	1.864	27.0	16.3	121 E	60	49
11 12	22 44.20	+15 23.3	1.176	1.849	28.5	16.3	117 E	60	49
11 22	22 47.81	+16 7.4	1.243	1.819	30.9	16.5	109 E	61	48*
12 2	22 55.27	+17 3.7	1.312	1.791	32.7	16.6	101 E	62	45*
12 12	23 6.14	+18 13.5	1.383	1.765	33.8	16.7	95 E	63	41*
12 22	23 19.98	+19 36.6	1.453	1.740	34.4	16.8	89 E	65	36*
1 1	23 36.44	+21 11.7	1.521	1.718	34.7	16.9	84 E	66*	31*
1 11	23 55.31	+22 57.0	1.586	1.698	34.6	17.0	79 E	67*	26*
1 21	0 16.40	+24 50.0	1.649	1.681	34.4	17.0	75 E	66*	22*

335052 2004 RA_{110}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 36.88	−23 19.2	2.953	2.032	8.1	20.5	17 E	5*	9*
1 6	19 58.78	−21 13.5	2.937	1.985	5.9	20.3	12 E	3*	4*
1 16	20 20.80	−18 54.2	2.911	1.939	3.7	20.1	7 E	—	—
1 26	20 42.91	−16 21.0	2.877	1.895	1.7	19.9	3 E	—	—
2 5	21 5.09	−13 33.5	2.835	1.851	1.8	19.8	3 W	—	—
2 15	21 27.37	−10 31.6	2.786	1.809	3.7	19.9	7 W	—	—
2 25	21 49.77	− 7 15.7	2.732	1.769	6.0	19.9	11 W	3*	3*
3 7	22 12.37	− 3 46.2	2.674	1.731	8.2	19.9	14 W	5*	6*
3 17	22 35.28	− 0 4.1	2.615	1.696	10.4	19.9	18 W	8*	9*
3 27	22 58.61	+ 3 49.3	2.555	1.663	12.5	19.9	21 W	10*	12*
4 6	23 22.51	+ 7 51.9	2.496	1.634	14.5	19.9	24 W	12*	15*
4 16	23 47.16	+12 1.2	2.439	1.608	16.3	19.8	27 W	14*	17*
4 26	0 12.75	+16 13.8	2.386	1.587	18.1	19.8	29 W	16*	18*
5 1	0 25.97	+18 19.9	2.361	1.578	18.9	19.8	30 W	18*	18*
5 6	0 39.51	+20 25.3	2.338	1.570	19.7	19.8	32 W	19*	19*
5 11	0 53.40	+22 29.2	2.316	1.563	20.4	19.8	33 W	20*	19*
5 16	1 7.65	+24 30.9	2.296	1.558	21.1	19.8	34 W	21*	19*
5 21	1 22.28	+26 29.7	2.277	1.553	21.7	19.8	35 W	22*	19*
5 26	1 37.33	+28 24.8	2.259	1.550	22.3	19.8	35 W	23*	19*
5 31	1 52.79	+30 15.4	2.243	1.548	22.8	19.8	36 W	25*	18*
6 5	2 8.69	+32 0.8	2.229	1.548	23.4	19.8	37 W	26*	18*
6 10	2 25.01	+33 40.3	2.215	1.548	23.8	19.8	38 W	27*	17*
6 15	2 41.74	+35 13.0	2.203	1.550	24.3	19.8	39 W	28*	17*
6 20	2 58.85	+36 38.4	2.192	1.553	24.7	19.8	40 W	30*	16*
6 25	3 16.31	+37 55.8	2.182	1.558	25.1	19.8	41 W	31*	16*
6 30	3 34.06	+39 4.7	2.173	1.563	25.5	19.8	41 W	32*	15*
7 5	3 52.04	+40 4.7	2.165	1.570	25.8	19.8	42 W	34*	14*
7 10	4 10.18	+40 55.6	2.157	1.578	26.2	19.8	43 W	35*	14*
7 15	4 28.37	+41 37.3	2.149	1.587	26.5	19.9	44 W	36*	13*
7 20	4 46.52	+42 9.7	2.141	1.597	26.8	19.9	45 W	38*	13*
7 25	5 4.54	+42 33.0	2.133	1.609	27.2	19.9	46 W	39*	13*
7 30	5 22.33	+42 47.5	2.125	1.621	27.5	19.9	47 W	41*	12*
8 4	5 39.79	+42 53.6	2.116	1.634	27.8	19.9	49 W	42*	12*
8 9	5 56.85	+42 51.9	2.107	1.648	28.1	19.9	50 W	43*	12*
8 14	6 13.41	+42 42.9	2.096	1.663	28.4	20.0	51 W	45*	12*
8 19	6 29.41	+42 27.3	2.085	1.679	28.7	20.0	53 W	47*	12*
8 24	6 44.81	+42 5.7	2.072	1.696	29.0	20.0	54 W	48*	13*
9 3	7 13.64	+41 7.7	2.042	1.731	29.6	20.0	58 W	52*	14*
9 13	7 39.67	+39 54.2	2.005	1.769	30.1	20.1	62 W	56*	15*
9 23	8 2.80	+38 30.6	1.961	1.809	30.5	20.1	66 W	60*	17*
10 3	8 22.99	+37 1.2	1.909	1.851	30.8	20.1	71 W	65*	19*
10 13	8 40.19	+35 30.1	1.850	1.895	30.9	20.0	77 W	70*	21*
10 23	8 54.28	+34 0.5	1.785	1.940	30.6	20.0	83 W	75*	24*
11 2	9 5.15	+32 34.9	1.714	1.985	30.0	20.0	90 W	77*	27*
11 12	9 12.50	+31 15.4	1.639	2.032	28.8	19.9	98 W	76	30*
11 22	9 16.05	+30 3.0	1.565	2.079	27.0	19.8	107 W	75	33*
12 2	9 15.47	+28 57.4	1.494	2.126	24.5	19.6	117 W	74	35
12 12	9 10.49	+27 57.1	1.431	2.174	21.1	19.5	127 W	73	36
12 22	9 1.18	+26 58.7	1.382	2.221	16.8	19.3	139 W	72	37
12 27	8 55.05	+26 28.8	1.365	2.245	14.4	19.2	145 W	71	38
1 1	8 48.10	+25 57.8	1.354	2.269	11.8	19.2	152 W	71	38
1 6	8 40.50	+25 25.2	1.349	2.292	9.1	19.1	158 W	70	39
1 11	8 32.47	+24 50.6	1.352	2.316	6.3	19.0	165 W	70	39
1 16	8 24.27	+24 14.1	1.362	2.339	3.6	18.9	171 W	69	40
1 21	8 16.14	+23 35.8	1.380	2.363	1.6	18.8	176 W	69	40

403198 2008 RV_{24}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 36.97	−38 39.9	2.392	1.524	13.9	20.4	22 E	—	15*
1 1	19 55.81	−37 25.5	2.408	1.530	13.2	20.4	21 E	—	14*
1 6	20 13.93	−36 3.2	2.426	1.537	12.5	20.4	20 E	—	13*
1 11	20 31.31	−34 34.0	2.444	1.544	11.7	20.4	19 E	—	12*
1 16	20 47.97	−32 59.0	2.463	1.553	10.9	20.4	17 E	—	11*

403198 2008 RV_{24} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 21	21 3.92	−31 19.1	2.483	1.562	10.1	20.4	16 E	—	10*
1 26	21 19.19	−29 35.2	2.502	1.572	9.3	20.4	15 E	—	8*
1 31	21 33.81	−27 48.1	2.522	1.583	8.6	20.4	14 E	—	7*
2 5	21 47.83	−25 58.5	2.542	1.595	7.8	20.4	13 E	—	6*
2 10	22 1.29	−24 7.0	2.561	1.607	7.1	20.4	12 E	—	4*
2 15	22 14.24	−22 14.3	2.580	1.620	6.5	20.4	11 E	—	3*
2 25	22 38.74	−18 26.9	2.616	1.647	5.6	20.4	9 E	—	—
3 7	23 1.64	−14 39.2	2.647	1.676	5.6	20.5	9 W	—	—
3 17	23 23.21	−10 53.6	2.673	1.708	6.4	20.6	11 W	—	3*
3 27	23 43.68	− 7 11.5	2.693	1.740	7.8	20.7	14 W	—	7*
4 6	0 3.22	− 3 33.9	2.705	1.774	9.6	20.8	17 W	—	11*
4 16	0 22.00	− 0 1.3	2.710	1.809	11.5	21.0	21 W	—	15*
4 26	0 40.13	+ 3 25.9	2.705	1.845	13.4	21.1	25 W	3*	19*
5 6	0 57.70	+ 6 47.6	2.692	1.881	15.3	21.2	30 W	6*	23*
5 16	1 14.77	+10 4.0	2.669	1.917	17.2	21.3	34 W	10*	27*
5 26	1 31.38	+13 15.4	2.637	1.954	19.0	21.3	39 W	14*	30*
6 5	1 47.54	+16 22.0	2.597	1.991	20.6	21.4	44 W	19*	33*
6 15	2 3.23	+19 24.4	2.547	2.027	22.1	21.4	49 W	25*	35*
6 25	2 18.39	+22 23.2	2.489	2.063	23.5	21.5	54 W	31*	35*
7 5	2 32.94	+25 19.2	2.424	2.099	24.7	21.5	60 W	39*	35*
7 15	2 46.75	+28 13.3	2.352	2.135	25.6	21.5	65 W	47*	34*
7 25	2 59.62	+31 6.3	2.274	2.170	26.3	21.5	71 W	55*	32*
8 4	3 11.31	+33 59.5	2.192	2.204	26.7	21.4	77 W	63*	30*
8 14	3 21.46	+36 53.6	2.107	2.238	26.7	21.4	84 W	72*	27
8 24	3 29.60	+39 49.2	2.021	2.271	26.4	21.3	91 W	81*	24
9 3	3 35.16	+42 46.3	1.938	2.303	25.7	21.2	98 W	88	21
9 13	3 37.39	+45 43.2	1.858	2.334	24.6	21.1	105 W	89	18
9 23	3 35.43	+48 35.8	1.787	2.365	23.0	21.0	113 W	86	15
10 3	3 28.44	+51 17.1	1.726	2.394	21.1	20.9	120 W	84	13
10 13	3 15.85	+53 35.8	1.680	2.423	19.0	20.8	128 W	81	10
10 23	2 57.99	+55 18.4	1.653	2.451	17.0	20.7	134 W	80	9
11 2	2 36.51	+56 12.9	1.646	2.477	15.4	20.7	138 W	79	8
11 12	2 14.39	+56 14.0	1.662	2.503	14.7	20.7	140 E	79	8
11 22	1 54.91	+55 27.7	1.701	2.527	15.0	20.8	139 E	80	9
12 2	1 40.32	+54 8.5	1.762	2.551	16.0	20.9	134 E	81	10
12 12	1 31.47	+52 33.3	1.842	2.573	17.4	21.1	129 E	82	11
12 22	1 28.13	+50 57.1	1.939	2.595	18.8	21.3	122 E	84	13
1 1	1 29.52	+49 29.6	2.050	2.615	20.0	21.4	114 E	86	14*

488698 2003 XV_{10}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 37.25	−23 44.6	1.303	0.461	38.3	19.7	17 E	4*	9*
1 1	20 16.92	−20 41.4	1.237	0.480	48.1	20.0	21 E	9*	12*
1 6	20 54.74	−16 55.3	1.178	0.518	55.7	20.2	26 E	14*	14*
1 11	21 30.60	−12 38.6	1.130	0.570	60.5	20.5	30 E	19*	16*
1 16	22 4.71	− 8 3.3	1.096	0.630	62.9	20.7	35 E	24*	17*
1 21	22 37.33	− 3 20.9	1.077	0.694	63.2	20.9	39 E	29*	18*
1 26	23 8.61	+ 1 18.1	1.073	0.760	62.2	21.1	43 E	34*	19*
1 31	23 38.65	+ 5 44.3	1.084	0.827	60.3	21.2	47 E	38*	20*
2 5	0 7.48	+ 9 50.4	1.108	0.893	57.9	21.4	50 E	41*	20*

172425 Taliajacobi

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 37.29	−36 1.0	3.770	2.869	6.9	21.1	20 E	—	14*
1 6	19 55.62	−34 56.1	3.773	2.842	5.6	21.0	16 E	—	9*
1 16	20 13.93	−33 46.2	3.760	2.814	4.8	20.9	14 E	—	5*
1 26	20 32.12	−32 31.3	3.732	2.785	4.8	20.9	14 W	—	1*
2 5	20 50.12	−31 11.6	3.689	2.756	5.7	20.9	16 W	—	6*
2 15	21 7.88	−29 47.3	3.631	2.725	7.1	20.9	20 W	—	11*
2 25	21 25.36	−28 19.0	3.559	2.693	8.9	20.9	25 W	—	16*
3 7	21 42.51	−26 47.0	3.475	2.660	10.7	20.9	30 W	—	22*
3 17	21 59.32	−25 11.8	3.377	2.626	12.6	20.9	35 W	—	27*
3 27	22 15.74	−23 34.2	3.269	2.592	14.5	20.9	40 W	—	33*
4 6	22 31.76	−21 54.4	3.150	2.556	16.3	20.8	46 W	—	38*
4 16	22 47.35	−20 13.2	3.021	2.520	18.1	20.7	51 W	1*	44*
4 26	23 2.48	−18 31.0	2.885	2.483	19.8	20.7	57 W	3*	50*
5 6	23 17.11	−16 48.4	2.741	2.444	21.5	20.6	62 W	6*	56*
5 16	23 31.20	−15 5.8	2.592	2.406	23.0	20.5	68 W	9*	62*
5 26	23 44.66	−13 23.7	2.438	2.366	24.3	20.3	74 W	13*	68*
6 5	23 57.42	−11 42.3	2.281	2.326	25.4	20.2	80 W	17*	72*
6 15	0 9.34	−10 2.0	2.123	2.285	26.3	20.0	86 W	22*	74*
6 25	0 20.24	− 8 22.9	1.964	2.244	26.9	19.8	92 W	27*	72
7 5	0 29.92	− 6 44.8	1.807	2.202	27.2	19.6	99 W	32*	71
7 15	0 38.05	− 5 7.5	1.652	2.160	27.0	19.4	106 W	37*	69
7 25	0 44.25	− 3 30.5	1.503	2.117	26.2	19.1	113 W	41*	68
8 4	0 48.05	− 1 52.6	1.361	2.075	24.8	18.8	121 W	43	66
8 14	0 48.86	− 0 12.9	1.228	2.032	22.5	18.5	130 W	45	64
8 24	0 46.06	+ 1 30.2	1.109	1.989	19.3	18.1	139 W	47	62
9 3	0 39.15	+ 3 17.7	1.006	1.947	15.0	17.7	150 W	48	61
9 13	0 27.90	+ 5 9.2	0.924	1.905	9.6	17.3	162 W	50	59
9 23	0 12.93	+ 7 2.8	0.865	1.864	4.2	16.8	172 W	52	57

172425 Taliajacobi *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 28	0 4.49	+ 7 59.1	0.845	1.844	3.7	16.7	173 E	53	56
10 3	23 55.76	+ 8 54.2	0.832	1.824	6.1	16.8	169 E	54	55
10 8	23 47.07	+ 9 47.6	0.825	1.804	9.3	16.9	163 E	55	54
10 13	23 38.75	+10 39.1	0.824	1.785	12.8	17.0	157 E	56	53
10 18	23 31.12	+11 28.7	0.829	1.766	16.1	17.1	151 E	56	53
10 23	23 24.42	+12 16.6	0.839	1.747	19.3	17.2	144 E	57	52
11 2	23 14.53	+13 48.9	0.872	1.711	25.0	17.4	133 E	59	50
11 12	23 9.89	+15 20.6	0.918	1.678	29.6	17.6	123 E	60	49
11 22	23 10.53	+16 56.8	0.972	1.646	33.2	17.8	114 E	62	47
12 2	23 15.99	+18 40.4	1.031	1.618	35.7	18.0	107 E	64	45*
12 12	23 25.77	+20 33.6	1.091	1.592	37.5	18.1	100 E	66	41*
12 22	23 39.37	+22 36.6	1.151	1.570	38.7	18.2	94 E	68	36*
1 1	23 56.39	+24 48.1	1.210	1.552	39.3	18.3	89 E	70	31*
1 11	0 16.60	+27 6.1	1.268	1.538	39.6	18.4	85 E	72*	26*
1 21	0 39.79	+29 27.2	1.325	1.528	39.6	18.5	81 E	72*	22*

66146 1998 TU_3

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 37.32	−22 53.9	1.729	0.839	20.0	16.3	17 E	5*	9*
1 1	20 1.30	−22 6.8	1.768	0.881	19.6	16.4	17 E	6*	9*
1 6	20 23.85	−21 9.9	1.807	0.920	19.0	16.6	18 E	6*	9*
1 11	20 45.09	−20 5.1	1.845	0.956	18.3	16.7	18 E	7*	9*
1 16	21 5.17	−18 54.1	1.882	0.989	17.4	16.8	18 E	7*	8*
1 21	21 24.22	−17 38.3	1.918	1.020	16.5	16.8	17 E	7*	8*
1 26	21 42.34	−16 18.7	1.952	1.047	15.6	16.9	17 E	7*	7*
1 31	21 59.66	−14 56.2	1.984	1.071	14.7	17.0	16 E	6*	7*
2 5	22 16.29	−13 31.4	2.013	1.093	13.7	17.0	15 E	6*	6*
2 15	22 47.85	−10 37.2	2.065	1.128	11.7	17.0	13 E	5*	5*
2 25	23 17.69	− 7 38.9	2.106	1.152	9.7	17.1	11 E	3*	3*
3 7	23 46.38	− 4 38.7	2.134	1.165	7.8	17.0	9 E	1*	2*
3 17	0 14.46	− 1 37.6	2.149	1.168	5.9	17.0	7 E	—	—
3 27	0 42.37	+ 1 23.4	2.151	1.160	4.3	16.9	5 E	—	—
4 6	1 10.57	+ 4 23.7	2.140	1.142	3.0	16.7	3 E	—	—
4 16	1 39.56	+ 7 22.5	2.115	1.113	2.5	16.6	3 E	—	—
4 26	2 9.83	+10 18.6	2.077	1.073	3.0	16.5	3 W	—	—
5 6	2 42.01	+13 10.4	2.026	1.022	4.0	16.4	4 W	—	—
5 16	3 16.82	+15 55.3	1.964	0.960	4.8	16.3	5 W	—	—
5 21	3 35.49	+17 13.7	1.929	0.924	5.1	16.2	5 W	—	—
5 26	3 55.16	+18 28.5	1.891	0.885	5.2	16.0	5 W	—	—
5 31	4 15.98	+19 38.4	1.851	0.843	5.1	15.9	4 W	—	—
6 5	4 38.10	+20 42.2	1.808	0.798	4.6	15.7	4 W	—	—
6 10	5 1.70	+21 38.1	1.763	0.751	3.8	15.5	3 W	—	—
6 15	5 26.93	+22 23.8	1.715	0.701	2.4	15.2	2 W	—	—
6 20	5 53.96	+22 56.4	1.664	0.648	0.8	14.8	0 E	—	—
6 25	6 22.92	+23 12.6	1.610	0.595	3.2	14.7	2 E	—	—
6 30	6 53.88	+23 8.1	1.551	0.542	8.0	14.7	4 E	—	—
7 5	7 26.78	+22 38.3	1.485	0.492	14.8	14.6	7 E	—	—
7 10	8 1.34	+21 38.7	1.410	0.449	24.1	14.6	10 E	—	3*
7 15	8 36.86	+20 6.2	1.324	0.419	36.2	14.7	14 E	2*	7*
7 20	9 12.24	+18 1.1	1.227	0.407	50.3	14.9	18 E	3*	11*
7 25	9 46.34	+15 27.8	1.123	0.416	64.6	15.1	22 E	5*	15*
7 30	10 18.50	+12 32.4	1.018	0.444	77.1	15.5	25 E	6*	18*
8 4	10 48.88	+ 9 19.1	0.918	0.486	86.8	15.8	29 E	7*	22*
8 9	11 18.18	+ 5 49.1	0.829	0.535	93.5	16.1	32 E	7*	25*
8 14	11 47.25	+ 2 2.4	0.752	0.588	97.5	16.2	35 E	8*	29*
8 24	12 47.71	− 6 17.5	0.635	0.694	99.0	16.3	43 E	9*	37*
9 3	13 54.50	−15 3.3	0.568	0.792	94.3	16.1	52 E	9*	46*
9 13	15 7.47	−22 45.7	0.550	0.880	86.2	15.9	61 E	10*	55*
9 15	15 22.40	−24 1.8	0.551	0.896	84.5	15.9	62 E	10*	56*
9 17	15 37.32	−25 11.0	0.554	0.911	82.8	15.9	64 E	10*	58*
9 19	15 52.14	−26 13.2	0.558	0.926	81.1	15.9	66 E	11*	59*
9 21	16 6.82	−27 8.2	0.564	0.941	79.4	15.9	67 E	11*	61*
9 23	16 21.30	−27 56.2	0.571	0.955	77.8	15.9	68 E	11*	62*
9 28	16 56.27	−29 26.1	0.592	0.988	74.0	15.9	71 E	12*	65*
10 3	17 29.06	−30 17.7	0.620	1.019	70.6	16.0	74 E	12*	67*
10 8	17 59.35	−30 37.8	0.652	1.046	67.6	16.0	75 E	13*	69*
10 13	18 27.11	−30 33.1	0.687	1.070	65.0	16.1	76 E	14*	70*
10 18	18 52.45	−30 9.7	0.725	1.092	62.7	16.2	77 E	14*	71*
10 23	19 15.59	−29 32.4	0.764	1.111	60.8	16.3	77 E	15*	71*
10 28	19 36.80	−28 44.7	0.804	1.127	59.1	16.4	77 E	16*	71*
11 2	19 56.37	−27 49.5	0.845	1.141	57.7	16.5	76 E	17*	70*
11 7	20 14.56	−26 48.5	0.885	1.151	56.4	16.6	75 E	18*	69*
11 12	20 31.58	−25 43.1	0.925	1.160	55.3	16.7	74 E	19	67*
11 17	20 47.61	−24 34.3	0.964	1.165	54.4	16.7	73 E	20	65*
11 22	21 2.82	−23 22.7	1.002	1.168	53.5	16.8	72 E	22	63*
11 27	21 17.33	−22 8.8	1.038	1.168	52.7	16.9	70 E	23*	61*
12 2	21 31.29	−20 52.8	1.072	1.166	52.1	16.9	69 E	24*	58*
12 7	21 44.78	−19 35.0	1.104	1.161	51.5	16.9	67 E	25*	56*
12 12	21 57.89	−18 15.4	1.134	1.153	51.0	17.0	66 E	27*	53*

66146 1998 TU_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 22	22 23.23	−15 31.2	1.184	1.130	50.3	17.0	62 E	29*	48*
1 1	22 47.77	−12 40.6	1.221	1.096	49.9	17.0	58 E	31*	42*
1 11	23 11.91	− 9 43.2	1.242	1.050	49.9	16.9	55 E	32*	38*
1 21	23 35.90	− 6 39.0	1.245	0.994	50.6	16.8	51 E	33*	33*

164201 2004 *EC*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 37.49	−28 54.2	1.127	0.351	57.4	15.8	17 E	—	11*
12 28	19 42.66	−27 46.0	1.098	0.335	61.6	15.7	17 E	1*	11*
12 29	19 47.48	−26 31.9	1.067	0.320	66.4	15.7	17 E	2*	11*
12 30	19 51.85	−25 11.8	1.036	0.307	71.7	15.7	17 E	3*	10*
12 31	19 55.67	−23 45.8	1.004	0.296	77.4	15.8	17 E	4*	9*
1 1	19 58.83	−22 14.3	0.973	0.287	83.7	15.9	17 E	5*	9*
1 2	20 1.23	−20 37.8	0.941	0.282	90.2	16.0	17 E	6*	7*
1 3	20 2.80	−18 57.2	0.910	0.280	96.8	16.2	16 E	7*	6*
1 4	20 3.48	−17 13.8	0.881	0.281	103.2	16.5	16 E	8*	5*
1 5	20 3.29	−15 28.8	0.852	0.285	109.3	16.7	16 E	9*	3*
1 6	20 2.24	−13 43.5	0.825	0.292	114.7	17.1	16 E	9*	1*
1 7	20 0.42	−11 59.1	0.800	0.302	119.2	17.4	16 E	9*	—
1 8	19 57.92	−10 16.7	0.777	0.314	122.8	17.7	16 E	10*	—
1 9	19 54.84	− 8 36.9	0.757	0.328	125.3	17.9	16 E	10*	—
1 10	19 51.27	− 7 0.4	0.738	0.344	126.8	18.1	16 E	9*	—
1 11	19 47.33	− 5 27.5	0.721	0.361	127.4	18.2	17 E	9*	—
1 12	19 43.09	− 3 58.4	0.706	0.379	127.3	18.3	18 E	8*	—
1 13	19 38.63	− 2 33.3	0.693	0.398	126.5	18.3	19 E	8*	—
1 14	19 34.01	− 1 12.0	0.682	0.417	125.3	18.2	20 W	10*	—
1 15	19 29.29	+ 0 5.4	0.671	0.437	123.7	18.2	22 W	12*	—
1 16	19 24.51	+ 1 19.2	0.662	0.457	121.9	18.1	23 W	15*	—
1 18	19 14.88	+ 3 36.2	0.647	0.498	117.9	17.9	27 W	19*	—
1 20	19 5.33	+ 5 40.4	0.635	0.539	113.7	17.8	30 W	23*	—
1 22	18 55.95	+ 7 33.6	0.625	0.580	109.5	17.6	34 W	28*	—
1 24	18 46.81	+ 9 17.3	0.617	0.620	105.4	17.5	37 W	31*	3*
1 26	18 37.90	+10 52.9	0.610	0.661	101.5	17.4	41 W	35*	6*
1 28	18 29.22	+12 21.9	0.605	0.700	97.7	17.4	45 W	39*	9*
1 30	18 20.73	+13 45.4	0.600	0.739	94.2	17.3	48 W	42*	12*
2 1	18 12.40	+15 4.6	0.595	0.777	90.8	17.2	52 W	45*	15*
2 3	18 4.16	+16 20.3	0.591	0.815	87.5	17.2	56 W	48*	18*
2 5	17 55.97	+17 33.3	0.587	0.851	84.4	17.2	59 W	51*	21*
2 10	17 35.29	+20 27.9	0.577	0.941	77.0	17.1	68 W	58*	27*
2 15	17 13.58	+23 15.2	0.569	1.027	69.9	17.0	77 W	65*	31*
2 20	16 50.01	+25 56.2	0.562	1.109	62.9	16.9	87 W	70*	34*
2 25	16 23.95	+28 27.0	0.559	1.188	55.9	16.8	96 W	73	35*
3 2	15 55.17	+30 39.7	0.561	1.264	49.0	16.8	106 W	76	33
3 7	15 23.96	+32 24.1	0.570	1.338	42.2	16.8	115 W	77	32
3 9	15 10.99	+32 55.6	0.576	1.366	39.6	16.7	119 W	78	31
3 11	14 57.88	+33 20.5	0.583	1.395	37.0	16.7	122 W	78	31
3 13	14 44.73	+33 38.4	0.592	1.423	34.6	16.8	126 W	79	30
3 15	14 31.65	+33 49.1	0.602	1.450	32.3	16.8	129 W	79	30
3 17	14 18.76	+33 52.7	0.614	1.477	30.1	16.8	132 W	79	30
3 19	14 6.17	+33 49.5	0.627	1.504	28.1	16.8	135 W	79	30
3 21	13 53.98	+33 39.7	0.643	1.531	26.3	16.9	137 W	79	30
3 23	13 42.27	+33 24.0	0.659	1.557	24.7	16.9	139 W	78	31
3 25	13 31.11	+33 3.0	0.678	1.582	23.4	17.0	141 W	78	31
3 27	13 20.55	+32 37.3	0.698	1.608	22.3	17.0	142 W	78	31
3 29	13 10.62	+32 7.7	0.720	1.633	21.4	17.1	143 W	77	32
3 31	13 1.33	+31 34.8	0.743	1.658	20.8	17.2	144 W	77	32
4 2	12 52.70	+30 59.3	0.767	1.683	20.4	17.3	144 W	76	33
4 4	12 44.70	+30 21.8	0.793	1.707	20.1	17.4	144 E	75	34
4 6	12 37.33	+29 42.7	0.821	1.731	20.1	17.5	144 E	75	34
4 11	12 21.47	+28 1.4	0.894	1.790	20.5	17.7	141 E	73	36
4 16	12 8.93	+26 18.8	0.975	1.847	21.3	18.0	138 E	71	38
4 21	11 59.22	+24 38.1	1.062	1.902	22.3	18.3	134 E	70	39
4 26	11 51.88	+23 1.3	1.154	1.957	23.3	18.6	130 E	68	41
5 1	11 46.48	+21 29.3	1.251	2.009	24.1	18.8	125 E	66	43
5 6	11 42.69	+20 2.0	1.351	2.061	24.8	19.1	121 E	65	44
5 11	11 40.25	+18 39.4	1.455	2.111	25.3	19.3	117 E	64	45
5 16	11 38.92	+17 21.1	1.561	2.159	25.6	19.5	112 E	62	47
5 21	11 38.53	+16 6.6	1.670	2.207	25.8	19.7	108 E	61*	48
5 26	11 38.91	+14 55.7	1.780	2.253	25.8	19.9	104 E	59*	49
6 5	11 41.55	+12 42.8	2.003	2.343	25.5	20.2	96 E	52*	51
6 15	11 46.11	+10 39.4	2.228	2.428	24.7	20.5	89 E	46*	53
6 25	11 52.09	+ 8 43.5	2.452	2.510	23.6	20.8	81 E	39*	55*
7 5	11 59.13	+ 6 53.4	2.672	2.587	22.2	21.0	74 E	33*	56*
7 15	12 6.99	+ 5 8.0	2.885	2.661	20.6	21.1	67 E	27*	54*
7 25	12 15.46	+ 3 26.5	3.089	2.732	18.8	21.3	60 E	22*	50*
8 4	12 24.42	+ 1 48.2	3.283	2.800	16.9	21.4	53 E	18*	45*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
				450293 2004 LV_3					
	h m	° ′			°	m	°	°	°
12 27	19 38.08	− 7 23.0	1.876	1.055	22.2	21.4	24 E	18*	2*
1 6	20 12.43	− 3 48.7	1.824	1.014	23.6	21.2	24 E	18*	—
1 16	20 48.65	+ 0 5.5	1.770	0.976	25.6	21.2	25 E	19*	—
1 26	21 27.18	+ 4 13.9	1.715	0.944	27.8	21.1	27 E	20*	—
2 5	22 8.47	+ 8 26.6	1.665	0.918	30.2	21.0	28 E	21*	—
2 15	22 52.86	+12 29.6	1.623	0.900	32.4	21.0	29 E	22*	—
2 25	23 40.29	+16 5.2	1.593	0.892	34.1	21.0	30 E	24*	—
3 7	0 30.18	+18 55.3	1.578	0.895	35.3	21.0	31 E	25*	1*
3 17	1 21.37	+20 46.3	1.579	0.907	35.7	21.0	32 E	26*	5*
3 27	2 12.27	+21 32.8	1.595	0.928	35.5	21.1	33 E	26*	9*
4 6	3 1.39	+21 18.5	1.625	0.957	34.8	21.2	33 E	26*	13*
4 16	3 47.71	+20 13.7	1.665	0.993	33.7	21.3	33 E	24*	16*
4 26	4 30.80	+18 30.6	1.712	1.032	32.4	21.4	33 E	21*	20*
				455184 2000 ED_{14}					
12 27	19 38.31	−23 9.6	1.182	0.378	50.2	20.9	17 E	5*	9*
1 1	20 20.18	−19 22.3	1.101	0.419	62.8	21.4	22 E	11*	12*
1 6	20 58.25	−14 52.0	1.030	0.476	71.0	21.7	27 E	16*	14*
1 11	21 33.42	− 9 55.7	0.972	0.539	75.2	22.0	32 E	22*	15*
1 16	22 6.59	− 4 46.3	0.930	0.604	76.6	22.2	37 E	27*	16*
				393350 1992 RN_1					
12 27	19 39.17	−20 23.8	2.658	1.748	9.9	20.4	18 E	7*	8*
1 6	20 7.67	−19 28.3	2.643	1.708	8.2	20.2	14 E	5*	5*
1 16	20 36.67	−18 12.8	2.627	1.672	6.5	20.1	11 E	3*	2*
1 26	21 5.99	−16 38.1	2.610	1.641	4.8	20.0	8 E	1*	—
2 5	21 35.45	−14 45.3	2.594	1.615	3.2	19.8	5 E	—	—
2 15	22 4.90	−12 36.4	2.580	1.594	1.7	19.7	3 E	—	—
2 25	22 34.24	−10 14.0	2.568	1.578	0.7	19.6	1 E	—	—
3 7	23 3.38	− 7 41.1	2.559	1.568	1.8	19.6	3 W	—	—
3 17	23 32.27	− 5 1.3	2.554	1.565	3.2	19.7	5 W	—	—
3 27	0 0.87	− 2 18.3	2.552	1.568	4.6	19.8	7 W	—	1*
4 6	0 29.16	+ 0 24.4	2.554	1.576	6.1	19.9	10 W	—	3*
4 16	0 57.14	+ 3 3.2	2.559	1.591	7.5	20.0	12 W	—	6*
4 26	1 24.77	+ 5 35.0	2.567	1.612	8.9	20.1	14 W	—	8*
5 6	1 52.04	+ 7 56.9	2.576	1.637	10.3	20.2	17 W	—	11*
5 16	2 18.92	+10 6.8	2.586	1.668	11.7	20.3	20 W	—	14*
5 26	2 45.33	+12 2.8	2.596	1.703	13.1	20.4	22 W	1*	16*
6 5	3 11.22	+13 43.9	2.603	1.742	14.5	20.5	25 W	3*	19*
6 15	3 36.51	+15 9.3	2.608	1.785	15.8	20.6	29 W	6*	22*
6 25	4 1.07	+16 19.1	2.609	1.830	17.2	20.7	32 W	9*	24*
7 5	4 24.83	+17 13.4	2.605	1.878	18.5	20.8	36 W	14*	27*
7 15	4 47.66	+17 53.1	2.595	1.929	19.8	20.9	40 W	19*	29*
7 25	5 9.42	+18 19.0	2.578	1.981	21.0	21.0	44 W	24*	31*
8 4	5 30.02	+18 32.7	2.553	2.034	22.1	21.0	49 W	30*	33*
8 14	5 49.32	+18 35.5	2.520	2.089	23.0	21.1	54 W	35*	35*
8 24	6 7.17	+18 29.1	2.479	2.145	23.9	21.1	59 W	41*	37*
9 3	6 23.46	+18 15.4	2.430	2.201	24.5	21.2	65 W	47*	39*
9 13	6 38.01	+17 56.3	2.372	2.258	24.9	21.2	71 W	53*	41*
9 23	6 50.63	+17 33.9	2.308	2.315	25.1	21.2	78 W	57*	43*
10 3	7 1.15	+17 10.2	2.238	2.372	24.9	21.2	85 W	61*	44*
10 13	7 9.32	+16 47.5	2.165	2.429	24.2	21.1	93 W	62*	46*
10 23	7 14.91	+16 27.8	2.090	2.486	23.1	21.1	101 W	61	47*
11 2	7 17.71	+16 13.2	2.018	2.543	21.4	21.0	111 W	61	48
11 12	7 17.50	+16 5.5	1.952	2.599	19.1	20.9	121 W	61	48
11 22	7 14.27	+16 6.0	1.897	2.655	16.2	20.8	131 W	61	48
12 2	7 8.19	+16 14.8	1.859	2.711	12.7	20.7	143 W	61	48
12 12	6 59.72	+16 31.3	1.843	2.766	8.7	20.5	155 W	62	47
12 22	6 49.69	+16 53.9	1.854	2.821	4.6	20.4	167 W	62	47
12 27	6 44.42	+17 6.8	1.871	2.848	2.8	20.3	172 W	62	47
1 1	6 39.16	+17 20.3	1.895	2.875	2.0	20.3	174 E	62	47
1 6	6 34.06	+17 34.3	1.926	2.901	3.1	20.4	171 E	63	46
1 11	6 29.25	+17 48.5	1.965	2.928	4.8	20.6	166 E	63	46
1 16	6 24.85	+18 2.7	2.012	2.954	6.6	20.8	160 E	63	46
1 21	6 20.93	+18 16.8	2.065	2.981	8.3	20.9	154 E	63	46
				467460 2006 JF_{42}					
12 27	19 40.10	−23 8.5	1.194	0.392	49.2	19.4	18 E	5*	9*
12 29	19 49.97	−22 30.3	1.139	0.364	56.1	19.3	18 E	6*	9*
12 31	19 59.17	−21 48.4	1.080	0.337	64.6	19.3	18 E	6*	9*
1 2	20 7.20	−21 3.7	1.017	0.314	75.0	19.3	18 E	7*	9*
1 4	20 13.40	−20 18.6	0.950	0.296	87.6	19.5	17 E	7*	8*
1 6	20 16.95	−19 36.0	0.883	0.284	102.3	19.9	16 E	7*	7*
1 8	20 17.07	−18 59.7	0.818	0.281	118.5	20.7	15 E	6*	5*
				37367 2001 VC					
12 27	19 41.78	−34 12.7	2.550	1.663	11.8	19.2	20 E	—	14*
1 6	20 14.50	−33 14.4	2.533	1.628	10.9	19.1	18 E	—	12*
1 16	20 47.50	−31 47.9	2.513	1.595	10.2	19.0	17 E	—	10*
1 26	21 20.41	−29 53.4	2.492	1.565	9.6	18.9	15 E	—	9*
2 5	21 52.93	−27 32.4	2.472	1.538	9.3	18.8	15 E	—	7*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
				37367 2001 VC *(continuation)*					
	h m	° ′			°	m	°	°	°
2 15	22 24.85	−24 47.1	2.454	1.515	9.1	18.8	14 E	—	6*
2 25	22 56.03	−21 40.9	2.438	1.495	9.0	18.7	14 E	—	5*
3 7	23 26.40	−18 17.6	2.425	1.479	9.0	18.7	14 E	—	3*
3 17	23 55.98	−14 41.5	2.416	1.467	9.1	18.7	13 E	—	2*
3 27	0 24.82	−10 57.2	2.412	1.460	9.1	18.6	13 E	—	—
4 6	0 53.01	− 7 9.1	2.411	1.457	9.3	18.6	14 W	—	1*
4 16	1 20.68	− 3 21.5	2.413	1.459	9.5	18.7	14 W	—	3*
4 26	1 47.91	+ 0 21.7	2.418	1.466	9.9	18.7	15 W	—	5*
5 6	2 14.82	+ 3 57.2	2.425	1.477	10.5	18.7	15 W	—	8*
5 16	2 41.51	+ 7 22.2	2.433	1.493	11.2	18.8	17 W	—	10*
5 26	3 8.04	+10 34.3	2.440	1.512	12.2	18.9	18 W	—	12*
6 5	3 34.47	+13 31.8	2.445	1.536	13.3	18.9	20 W	—	14*
6 15	4 0.84	+16 13.5	2.448	1.563	14.6	19.0	23 W	2*	16*
6 25	4 27.11	+18 38.7	2.448	1.592	16.0	19.1	26 W	7*	18*
7 5	4 53.27	+20 47.2	2.443	1.624	17.4	19.2	29 W	11*	19*
7 15	5 19.26	+22 39.2	2.433	1.659	18.9	19.3	32 W	16*	20*
7 25	5 44.98	+24 15.3	2.417	1.695	20.3	19.4	35 W	22*	21*
8 4	6 10.34	+25 36.8	2.395	1.733	21.7	19.4	39 W	27*	21*
8 14	6 35.23	+26 45.1	2.366	1.772	23.1	19.5	43 W	33*	22*
8 24	6 59.50	+27 42.2	2.330	1.812	24.4	19.6	48 W	38*	22*
9 3	7 23.03	+28 30.4	2.287	1.853	25.6	19.6	52 W	44*	22*
9 13	7 45.70	+29 12.4	2.236	1.894	26.6	19.6	57 W	49*	23*
9 23	8 7.34	+29 51.2	2.179	1.936	27.4	19.7	63 W	55*	23*
10 3	8 27.83	+30 30.0	2.115	1.977	28.0	19.7	68 W	61*	24*
10 13	8 46.99	+31 12.4	2.046	2.019	28.4	19.6	74 W	66*	24*
10 23	9 4.62	+32 2.2	1.973	2.060	28.5	19.6	81 W	72*	25*
11 2	9 20.49	+33 3.2	1.896	2.100	28.2	19.5	87 W	77*	25*
11 12	9 34.29	+34 19.3	1.819	2.141	27.4	19.5	95 W	79	26*
11 22	9 45.65	+35 53.4	1.744	2.180	26.3	19.4	102 W	81	26*
11 27	9 50.27	+36 48.0	1.707	2.200	25.5	19.3	106 W	82	26*
12 2	9 54.09	+37 47.7	1.673	2.219	24.6	19.3	110 W	83	26*
12 7	9 57.04	+38 52.4	1.640	2.239	23.6	19.2	115 W	84	25*
12 12	9 59.04	+40 1.7	1.610	2.258	22.4	19.2	119 W	85	24*
12 17	10 0.02	+41 14.9	1.584	2.276	21.2	19.1	123 W	86	23
12 22	9 59.91	+42 31.2	1.560	2.295	19.9	19.1	127 W	88	21
12 27	9 58.64	+43 49.4	1.541	2.313	18.6	19.0	132 W	89	20
1 1	9 56.17	+45 7.7	1.527	2.332	17.2	19.0	135 W	90	19
1 6	9 52.47	+46 24.5	1.517	2.350	15.9	18.9	139 W	89	18
1 11	9 47.59	+47 37.4	1.513	2.367	14.8	18.9	142 W	87	16
1 16	9 41.63	+48 44.4	1.515	2.385	13.9	18.9	144 W	86	15
1 21	9 34.73	+49 43.6	1.523	2.402	13.3	18.9	146 W	85	14
				160510 1990 RG_1					
12 27	19 41.86	−25 19.2	2.979	2.066	8.4	20.4	18 E	4*	11*
1 6	20 5.41	−24 4.7	2.978	2.034	6.4	20.3	13 E	2*	6*
1 16	20 29.09	−22 36.7	2.968	2.002	4.4	20.2	9 E	—	3*
1 26	20 52.79	−20 55.6	2.950	1.971	2.5	20.0	5 E	—	—
2 5	21 16.45	−19 1.9	2.925	1.941	1.6	19.9	3 E	—	—
2 15	21 40.04	−16 56.0	2.892	1.911	2.8	19.9	5 W	—	—
2 25	22 3.54	−14 39.1	2.853	1.882	4.7	20.0	9 W	—	3*
3 7	22 26.94	−12 12.2	2.810	1.854	6.7	20.0	13 W	—	6*
3 17	22 50.29	− 9 36.4	2.761	1.827	8.7	20.0	16 W	—	10*
3 27	23 13.61	− 6 53.3	2.709	1.801	10.8	20.0	20 W	—	14*
4 6	23 36.95	− 4 4.3	2.654	1.777	12.7	20.0	23 W	1*	17*
4 16	0 0.39	− 1 10.9	2.596	1.754	14.7	20.0	26 W	3*	20*
4 26	0 23.99	+ 1 44.9	2.537	1.734	16.6	20.0	30 W	4*	23*
5 6	0 47.83	+ 4 41.3	2.477	1.715	18.5	20.0	33 W	6*	26*
5 16	1 11.98	+ 7 36.4	2.416	1.699	20.3	20.0	36 W	9*	29*
5 26	1 36.50	+10 27.9	2.355	1.685	22.0	20.0	39 W	11*	31*
6 5	2 1.46	+13 13.8	2.295	1.674	23.6	19.9	41 W	15*	33*
6 15	2 26.87	+15 51.8	2.234	1.666	25.2	19.9	44 W	18*	34*
6 25	2 52.75	+18 19.7	2.173	1.660	26.7	19.9	47 W	23*	34*
7 5	3 19.06	+20 35.5	2.112	1.657	28.1	19.9	50 W	27*	34*
7 15	3 45.73	+22 37.4	2.052	1.657	29.4	19.8	53 W	33*	34*
7 25	4 12.62	+24 23.9	1.990	1.660	30.6	19.8	56 W	38*	34*
8 4	4 39.58	+25 54.1	1.929	1.665	31.7	19.8	60 W	43*	33*
8 14	5 6.37	+27 7.6	1.866	1.674	32.7	19.8	63 W	49*	33*
8 24	5 32.70	+28 4.8	1.802	1.685	33.5	19.7	67 W	54*	32*
9 3	5 58.31	+28 46.7	1.736	1.699	34.1	19.7	71 W	59*	32*
9 13	6 22.85	+29 15.1	1.669	1.715	34.6	19.6	75 W	63*	32*
9 23	6 45.96	+29 32.7	1.600	1.733	34.7	19.5	80 W	68*	32*
10 3	7 7.32	+29 42.4	1.529	1.754	34.6	19.5	85 W	72*	32*
10 13	7 26.52	+29 48.1	1.457	1.776	34.2	19.4	91 W	74*	33*
10 23	7 43.16	+29 53.5	1.384	1.800	33.3	19.3	97 W	75	33*
11 2	7 56.79	+30 2.7	1.312	1.826	31.8	19.1	104 W	75	34*
11 12	8 6.86	+30 19.1	1.242	1.853	29.8	19.0	112 W	75	34*
11 22	8 12.86	+30 45.3	1.177	1.881	26.9	18.8	120 W	76	33
12 2	8 14.29	+31 21.4	1.120	1.910	23.3	18.7	130 W	76	33
12 12	8 10.82	+32 4.5	1.076	1.940	18.8	18.5	140 W	77	32

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		160510 1990 RG_1				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 17	8 7.30	+32 26.6	1.060	1.955	16.4	18.4	146 W	77	32
12 22	8 2.71	+32 47.5	1.049	1.970	13.8	18.3	152 W	78	31
12 27	7 57.18	+33 6.0	1.043	1.986	11.1	18.2	157 W	78	31
1 1	7 50.92	+33 20.7	1.043	2.001	8.7	18.1	162 W	78	31
1 6	7 44.19	+33 30.5	1.048	2.017	6.6	18.0	166 W	79	30
1 11	7 37.30	+33 34.8	1.060	2.033	5.7	18.0	168 W	79	30
1 16	7 30.54	+33 33.2	1.079	2.049	6.3	18.1	167 E	79	30
1 21	7 24.19	+33 25.9	1.103	2.064	8.0	18.3	163 E	78	31
		385240 2000 SW_{363}							
12 27	19 42.07	−25 20.4	2.724	1.814	9.6	21.1	18 E	4*	11*
1 6	20 9.84	−24 5.7	2.721	1.785	7.9	21.0	14 E	2*	7*
1 16	20 37.71	−22 32.3	2.714	1.758	6.1	20.9	11 E	—	4*
1 26	21 5.50	−20 40.9	2.704	1.733	4.4	20.7	8 E	—	2*
2 5	21 33.09	−18 32.9	2.692	1.712	3.0	20.6	5 E	—	—
2 15	22 0.39	−16 10.1	2.678	1.694	2.2	20.5	4 E	—	—
2 25	22 27.36	−13 34.7	2.663	1.679	2.7	20.5	5 W	—	—
3 7	22 53.98	−10 49.2	2.649	1.667	4.0	20.6	7 W	—	—
3 17	23 20.26	− 7 56.2	2.634	1.659	5.5	20.6	9 W	—	3*
3 27	23 46.22	− 4 58.6	2.619	1.655	7.1	20.7	12 W	—	6*
4 6	0 11.90	− 1 59.2	2.605	1.655	8.7	20.8	14 W	—	8*
4 16	0 37.37	+ 0 59.4	2.590	1.658	10.3	20.8	17 W	—	11*
4 26	1 2.65	+ 3 54.3	2.576	1.666	11.9	20.9	20 W	—	14*
5 6	1 27.78	+ 6 43.3	2.561	1.677	13.4	20.9	23 W	1*	17*
5 16	1 52.79	+ 9 24.2	2.546	1.691	15.0	21.0	26 W	3*	19*
5 26	2 17.67	+11 54.9	2.528	1.709	16.5	21.1	29 W	5*	22*
6 5	2 42.41	+14 13.9	2.509	1.730	18.0	21.1	32 W	8*	24*
6 15	3 6.98	+16 20.0	2.487	1.754	19.4	21.2	35 W	12*	27*
6 25	3 31.29	+18 12.4	2.461	1.781	20.8	21.2	38 W	16*	28*
7 5	3 55.25	+19 50.6	2.431	1.810	22.1	21.3	42 W	21*	30*
7 15	4 18.76	+21 14.7	2.397	1.841	23.4	21.3	46 W	26*	31*
7 25	4 41.65	+22 25.0	2.357	1.874	24.5	21.4	50 W	32*	32*
8 4	5 3.79	+23 22.4	2.311	1.909	25.6	21.4	54 W	37*	33*
8 14	5 24.98	+24 8.2	2.259	1.945	26.6	21.4	59 W	43*	33*
8 24	5 45.02	+24 43.9	2.201	1.982	27.3	21.4	64 W	49*	34*
9 3	6 3.72	+25 11.5	2.137	2.021	27.9	21.4	70 W	55*	35*
9 13	6 20.83	+25 33.2	2.068	2.060	28.2	21.4	75 W	61*	35*
9 23	6 36.09	+25 51.5	1.993	2.099	28.2	21.4	82 W	66*	36*
10 3	6 49.22	+26 9.0	1.914	2.139	27.9	21.3	89 W	70*	37*
10 13	6 59.88	+26 28.4	1.834	2.180	27.1	21.2	96 W	71	37*
10 23	7 7.69	+26 52.1	1.754	2.221	25.7	21.1	104 W	72	37*
11 2	7 12.30	+27 22.2	1.676	2.261	23.8	21.0	113 W	72	37
11 12	7 13.31	+27 59.3	1.606	2.302	21.1	20.9	123 W	73	36
11 22	7 10.52	+28 42.7	1.548	2.342	17.7	20.7	134 W	74	35
12 2	7 3.97	+29 29.0	1.506	2.383	13.7	20.6	145 W	74	35
12 12	6 54.16	+30 12.9	1.486	2.423	9.2	20.4	157 W	75	34
12 17	6 48.35	+30 32.1	1.485	2.442	6.9	20.3	163 W	76	33
12 22	6 42.19	+30 48.4	1.491	2.462	4.7	20.2	168 W	76	33
12 27	6 35.85	+31 1.5	1.504	2.482	3.3	20.2	172 W	76	33
1 1	6 29.56	+31 11.0	1.525	2.501	3.4	20.2	171 E	76	33
1 6	6 23.52	+31 16.9	1.553	2.521	5.0	20.4	167 E	76	33
1 11	6 17.92	+31 19.3	1.587	2.540	7.0	20.5	162 E	76	33
1 16	6 12.92	+31 18.7	1.629	2.559	9.0	20.7	156 E	76	33
1 21	6 8.63	+31 15.5	1.677	2.578	10.9	20.9	150 E	76	33
		409256 2004 HO_1							
12 27	19 42.14	−35 23.6	1.915	1.056	19.4	20.7	21 E	—	15*
1 1	20 8.45	−34 25.2	1.911	1.058	19.8	20.7	21 E	—	15*
1 6	20 34.19	−33 6.4	1.911	1.063	20.1	20.7	22 E	—	16*
1 11	20 59.10	−31 28.9	1.916	1.071	20.3	20.8	22 E	—	16*
1 16	21 23.02	−29 35.3	1.925	1.083	20.3	20.8	22 E	1*	16*
1 21	21 45.83	−27 28.1	1.938	1.097	20.2	20.8	23 E	2*	16*
1 26	22 7.49	−25 10.1	1.956	1.115	19.9	20.9	23 E	3*	16*
1 31	22 28.01	−22 44.3	1.978	1.135	19.6	20.9	23 E	5*	16*
2 5	22 47.45	−20 13.0	2.005	1.157	19.0	21.0	23 E	6*	16*
2 10	23 5.87	−17 38.6	2.035	1.182	18.4	21.1	22 E	6*	15*
2 15	23 23.36	−15 3.1	2.068	1.208	17.7	21.1	22 E	7*	15*
2 20	23 40.00	−12 28.2	2.104	1.236	16.9	21.2	21 E	8*	14*
2 25	23 55.89	− 9 55.3	2.143	1.266	16.0	21.2	21 E	8*	13*
3 2	0 11.10	− 7 25.4	2.185	1.297	15.0	21.3	20 E	8*	12*
3 7	0 25.71	− 4 59.3	2.228	1.329	14.0	21.4	19 E	8*	11*
3 12	0 39.81	− 2 37.5	2.272	1.361	13.0	21.4	18 E	7*	10*
3 17	0 53.44	− 0 20.6	2.318	1.395	11.9	21.5	17 E	7*	9*
		102803 1999 VA_{169}							
12 27	19 42.22	−24 22.7	2.553	1.646	10.6	20.4	18 E	5*	10*
1 6	20 12.30	−23 3.1	2.569	1.639	8.9	20.3	15 E	3*	7*
1 16	20 41.96	−21 23.5	2.584	1.634	7.1	20.3	12 E	2*	5*
1 26	21 11.04	−19 25.8	2.598	1.632	5.4	20.2	9 E	—	2*
2 5	21 39.43	−17 12.7	2.610	1.633	3.7	20.1	6 E	—	—
2 15	22 7.12	−14 46.9	2.621	1.636	2.3	20.0	4 E	—	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		102803 1999 VA_{169}				*(continuation)*			
	h m	° ′			°	m	°	°	°
2 25	22 34.08	−12 11.2	2.630	1.642	1.8	20.0	3 E	—	—
3 7	23 0.35	− 9 28.7	2.638	1.651	2.8	20.1	5 W	—	—
3 17	23 25.99	− 6 41.9	2.643	1.661	4.4	20.2	7 W	—	1*
3 27	23 51.06	− 3 53.7	2.647	1.674	6.1	20.3	10 W	—	4*
4 6	0 15.64	− 1 6.4	2.648	1.690	7.8	20.4	13 W	—	7*
4 16	0 39.80	+ 1 37.8	2.646	1.707	9.5	20.5	16 W	—	10*
4 26	1 3.59	+ 4 16.8	2.641	1.726	11.2	20.6	20 W	—	14*
5 6	1 27.07	+ 6 49.1	2.632	1.747	13.0	20.7	23 W	1*	17*
5 16	1 50.28	+ 9 13.1	2.618	1.769	14.6	20.7	26 W	3*	20*
5 26	2 13.23	+11 27.5	2.600	1.793	16.3	20.8	30 W	6*	23*
6 5	2 35.93	+13 31.5	2.576	1.817	17.9	20.9	33 W	9*	26*
6 15	2 58.36	+15 24.4	2.546	1.843	19.5	20.9	37 W	13*	29*
6 25	3 20.44	+17 5.4	2.510	1.870	21.0	21.0	41 W	17*	31*
7 5	3 42.14	+18 34.7	2.468	1.897	22.4	21.0	45 W	22*	33*
7 15	4 3.35	+19 52.1	2.418	1.924	23.8	21.1	50 W	28*	34*
7 25	4 23.94	+20 58.0	2.362	1.953	25.0	21.1	54 W	34*	35*
8 4	4 43.79	+21 53.2	2.299	1.981	26.1	21.1	59 W	40*	36*
8 14	5 2.70	+22 38.4	2.228	2.009	27.0	21.1	64 W	46*	37*
8 24	5 20.49	+23 15.0	2.152	2.038	27.8	21.0	70 W	52*	38*
9 3	5 36.94	+23 44.5	2.070	2.066	28.2	21.0	76 W	58*	38*
9 13	5 51.76	+24 8.7	1.982	2.095	28.4	20.9	82 W	64*	39*
9 23	6 4.65	+24 29.6	1.891	2.123	28.2	20.9	89 W	68*	39*
10 3	6 15.27	+24 49.4	1.798	2.150	27.6	20.8	96 W	70	39*
10 13	6 23.20	+25 10.4	1.704	2.178	26.4	20.6	104 W	70	39
10 23	6 27.99	+25 34.2	1.614	2.205	24.5	20.5	113 W	71	38
11 2	6 29.23	+26 2.2	1.531	2.231	21.9	20.3	123 W	71	38
11 12	6 26.57	+26 34.2	1.458	2.257	18.6	20.1	133 W	72	37
11 22	6 19.98	+27 8.0	1.401	2.282	14.4	19.9	145 W	72	37
11 27	6 15.31	+27 24.4	1.381	2.294	12.0	19.8	151 W	72	37
12 2	6 9.85	+27 39.8	1.366	2.306	9.6	19.7	157 W	73	36
12 7	6 3.75	+27 53.3	1.357	2.318	7.0	19.6	163 W	73	36
12 12	5 57.21	+28 4.6	1.355	2.330	4.4	19.5	169 W	73	36
12 17	5 50.44	+28 13.2	1.360	2.342	2.4	19.4	174 W	73	36
12 22	5 43.69	+28 19.0	1.373	2.353	2.6	19.4	174 E	73	36
12 27	5 37.17	+28 22.0	1.392	2.364	4.7	19.6	169 E	73	36
1 1	5 31.08	+28 22.5	1.419	2.375	7.1	19.8	163 E	73	36
1 6	5 25.61	+28 20.8	1.452	2.386	9.4	19.9	157 E	73	36
1 11	5 20.91	+28 17.6	1.491	2.397	11.6	20.1	151 E	73	36
1 16	5 17.06	+28 13.4	1.537	2.407	13.7	20.2	145 E	73	36
1 21	5 14.13	+28 8.6	1.587	2.417	15.5	20.4	139 E	73	36
		20898 Fountainhills							
12 27	19 43.45	−16 33.1	5.768	4.855	4.0	19.1	20 E	11*	7*
1 6	19 51.85	−15 45.4	5.844	4.888	2.5	19.1	12 E	6*	—
1 16	20 0.22	−14 55.3	5.897	4.921	1.3	19.0	6 E	—	—
1 26	20 8.45	−14 3.0	5.927	4.953	1.5	19.0	8 W	2*	—
2 5	20 16.45	−13 8.5	5.934	4.984	2.8	19.1	14 W	6*	5*
2 15	20 24.11	−12 12.1	5.919	5.016	4.2	19.2	22 W	9*	13*
2 25	20 31.34	−11 14.0	5.881	5.047	5.6	19.3	30 W	13*	22*
3 7	20 38.05	−10 14.5	5.824	5.077	6.9	19.4	38 W	16*	30*
3 17	20 44.13	− 9 14.0	5.748	5.107	8.1	19.4	46 W	19*	38*
3 27	20 49.50	− 8 12.9	5.655	5.137	9.1	19.4	54 W	22*	46*
4 6	20 54.04	− 7 11.7	5.549	5.166	9.9	19.4	63 W	25*	54*
4 16	20 57.68	− 6 11.0	5.431	5.195	10.5	19.4	71 W	28*	61*
4 26	21 0.29	− 5 11.4	5.305	5.224	10.9	19.4	80 W	31*	66*
5 6	21 1.81	− 4 13.6	5.176	5.252	11.1	19.4	89 W	34*	68*
5 16	21 2.14	− 3 18.4	5.046	5.280	10.9	19.3	98 W	38*	67
5 26	21 1.24	− 2 26.8	4.920	5.307	10.5	19.3	107 W	41*	66
6 5	20 59.08	− 1 39.6	4.803	5.334	9.8	19.2	117 W	43*	66
6 15	20 55.68	− 0 57.9	4.699	5.361	8.8	19.1	126 W	44	65
6 25	20 51.15	− 0 22.7	4.613	5.387	7.6	19.0	136 W	45	64
7 5	20 45.64	+ 0 5.3	4.549	5.413	6.2	18.9	145 W	45	64
7 15	20 39.39	+ 0 25.5	4.511	5.438	4.8	18.9	153 W	45	64
7 25	20 32.72	+ 0 37.8	4.501	5.463	3.8	18.8	159 W	46	63
8 4	20 25.97	+ 0 42.5	4.521	5.488	3.5	18.8	161 E	46	63
8 14	20 19.49	+ 0 40.5	4.570	5.512	4.3	18.9	156 E	46	63
8 24	20 13.64	+ 0 33.0	4.649	5.536	5.5	19.0	148 E	46	63
9 3	20 8.68	+ 0 21.5	4.753	5.559	6.8	19.1	140 E	45	64
9 13	20 4.81	+ 0 7.8	4.881	5.583	7.9	19.2	130 E	45	64
9 23	20 2.16	− 0 6.5	5.027	5.605	8.9	19.3	121 E	45	64
10 3	20 0.77	− 0 20.0	5.188	5.628	9.5	19.5	111 E	45	64
10 13	20 0.64	− 0 31.4	5.359	5.650	10.0	19.6	102 E	44	65
10 23	20 1.70	− 0 39.5	5.535	5.671	10.1	19.6	93 E	44	63*
11 2	20 3.85	− 0 43.7	5.712	5.692	10.0	19.7	84 E	44	58*
11 12	20 7.00	− 0 43.2	5.885	5.713	9.6	19.8	75 E	44*	51*
11 22	20 11.01	− 0 37.6	6.052	5.734	9.1	19.8	67 E	43*	42*
12 2	20 15.76	− 0 26.7	6.208	5.754	8.4	19.8	58 E	41*	33*
12 12	20 21.13	− 0 10.2	6.350	5.773	7.6	19.9	50 E	38*	24*
12 22	20 26.98	+ 0 11.8	6.476	5.793	6.6	19.9	43 E	34*	15*
1 1	20 33.21	+ 0 39.4	6.584	5.811	5.6	19.9	36 E	29*	7*
1 11	20 39.70	+ 1 12.5	6.671	5.830	4.7	19.9	29 E	23*	—
1 21	20 46.34	+ 1 50.8	6.737	5.848	3.8	19.8	23 E	16*	—

39489 1981 EU_6

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	19 43.67	−16 43.9	2.540	1.650	11.7	18.9	20 E	11*	8*
1 6	20 12.36	−15 11.0	2.560	1.645	10.0	18.9	17 E	10*	4*
1 16	20 40.74	−13 21.8	2.580	1.643	8.4	18.8	14 E	8*	1*
1 26	21 8.70	−11 18.2	2.598	1.644	6.8	18.8	11 E	5*	—
2 5	21 36.15	− 9 2.7	2.617	1.649	5.2	18.7	9 E	3*	—
2 15	22 3.08	− 6 37.8	2.634	1.657	3.9	18.7	7 E	—	—
2 25	22 29.47	− 4 6.1	2.651	1.667	3.0	18.6	5 W	—	—
3 7	22 55.34	− 1 30.4	2.667	1.681	3.1	18.7	5 W	—	—
3 17	23 20.75	+ 1 6.8	2.681	1.697	4.1	18.8	7 W	—	—
3 27	23 45.72	+ 3 43.0	2.693	1.716	5.4	18.9	9 W	1*	2*
4 6	0 10.29	+ 6 16.0	2.703	1.738	7.0	19.0	12 W	2*	5*
4 16	0 34.53	+ 8 43.8	2.709	1.761	8.6	19.1	15 W	4*	8*
4 26	0 58.46	+11 4.5	2.712	1.786	10.3	19.2	18 W	5*	11*
5 6	1 22.09	+13 16.7	2.710	1.813	12.0	19.3	22 W	6*	15*
5 16	1 45.45	+15 19.0	2.703	1.842	13.6	19.4	25 W	8*	18*
5 26	2 8.50	+17 10.4	2.691	1.872	15.3	19.5	29 W	10*	21*
6 5	2 31.23	+18 50.0	2.672	1.903	16.9	19.5	33 W	13*	24*
6 15	2 53.57	+20 17.4	2.646	1.935	18.4	19.6	37 W	17*	26*
6 25	3 15.45	+21 32.1	2.614	1.968	19.9	19.7	41 W	21*	28*
7 5	3 36.76	+22 34.0	2.573	2.001	21.3	19.7	46 W	26*	30*
7 15	3 57.38	+23 23.4	2.525	2.035	22.7	19.7	50 W	31*	32*
7 25	4 17.17	+24 0.4	2.469	2.069	23.8	19.8	55 W	37*	34*
8 4	4 35.95	+24 25.9	2.406	2.103	24.9	19.8	61 W	43*	35*
8 14	4 53.54	+24 40.5	2.335	2.138	25.7	19.8	66 W	49*	36*
8 24	5 9.71	+24 45.2	2.257	2.172	26.3	19.7	72 W	55*	37*
9 3	5 24.23	+24 41.2	2.172	2.206	26.6	19.7	79 W	61*	38*
9 13	5 36.82	+24 29.6	2.083	2.240	26.6	19.6	85 W	66*	39*
9 23	5 47.15	+24 11.7	1.991	2.274	26.2	19.6	93 W	69*	40*
10 3	5 54.92	+23 48.8	1.898	2.307	25.2	19.5	101 W	69	40
10 13	5 59.73	+23 22.0	1.807	2.340	23.7	19.3	110 W	68	41
10 23	6 1.29	+22 52.2	1.722	2.372	21.5	19.2	119 W	68	41
11 2	5 59.37	+22 19.7	1.646	2.404	18.5	19.0	130 W	67	42
11 12	5 53.95	+21 44.7	1.585	2.435	14.9	18.9	141 W	67	42
11 22	5 45.41	+21 7.2	1.544	2.465	10.5	18.7	153 W	66	43
11 27	5 40.21	+20 47.7	1.533	2.480	8.2	18.6	159 W	66	43
12 2	5 34.57	+20 27.8	1.528	2.495	5.7	18.5	165 W	65	44
12 7	5 28.65	+20 7.7	1.531	2.510	3.3	18.3	172 W	65	44
12 12	5 22.66	+19 47.8	1.541	2.524	1.4	18.2	176 W	65	44
12 17	5 16.76	+19 28.4	1.558	2.538	2.4	18.4	174 E	64	45
12 22	5 11.14	+19 9.9	1.582	2.552	4.7	18.5	168 E	64	45
12 27	5 5.95	+18 52.7	1.614	2.566	6.9	18.7	162 E	64	45
1 1	5 1.30	+18 37.2	1.652	2.580	9.1	18.9	156 E	64	45
1 6	4 57.30	+18 23.7	1.697	2.593	11.1	19.0	150 E	63	46
1 11	4 54.03	+18 12.3	1.748	2.607	12.9	19.2	144 E	63	46
1 16	4 51.53	+18 3.2	1.805	2.620	14.6	19.3	138 E	63	46
1 21	4 49.79	+17 56.4	1.866	2.632	16.0	19.4	133 E	63	46

162551 2000 QS_{226}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 43.72	− 8 37.4	3.323	2.459	9.4	21.1	24 E	18*	4*
1 6	20 1.94	− 8 25.9	3.333	2.426	7.7	21.0	19 E	13*	—
1 16	20 20.53	− 8 3.9	3.331	2.392	6.0	20.9	15 E	8*	—
1 26	20 39.41	− 7 32.0	3.315	2.358	4.7	20.8	11 E	3*	—
2 5	20 58.53	− 6 50.9	3.287	2.323	4.2	20.7	10 W	3*	—
2 15	21 17.87	− 6 1.3	3.248	2.287	4.8	20.7	11 W	5*	—
2 25	21 37.39	− 5 4.0	3.196	2.250	6.2	20.7	14 W	6*	4*
3 7	21 57.07	− 4 0.3	3.134	2.213	8.0	20.7	18 W	8*	10*
3 17	22 16.94	− 2 51.0	3.062	2.175	10.0	20.7	22 W	9*	15*
3 27	22 37.00	− 1 37.4	2.980	2.137	12.2	20.7	27 W	10*	20*
4 6	22 57.28	− 0 20.9	2.890	2.099	14.3	20.6	31 W	11*	24*
4 16	23 17.83	+ 0 57.2	2.793	2.061	16.5	20.6	36 W	12*	29*
4 26	23 38.69	+ 2 15.3	2.689	2.022	18.6	20.5	40 W	13*	33*
5 6	23 59.93	+ 3 31.7	2.580	1.984	20.7	20.5	44 W	14*	37*
5 16	0 21.61	+ 4 44.8	2.467	1.946	22.8	20.4	48 W	15*	40*
5 26	0 43.79	+ 5 52.4	2.350	1.908	24.9	20.3	52 W	17*	44*
6 5	1 6.55	+ 6 52.3	2.232	1.871	26.8	20.2	56 W	20*	47*
6 15	1 29.92	+ 7 42.1	2.114	1.834	28.7	20.1	60 W	23*	49*
6 25	1 53.93	+ 8 19.0	1.995	1.799	30.5	20.0	64 W	26*	51*
7 5	2 18.61	+ 8 40.2	1.879	1.765	32.2	19.9	68 W	30*	52*
7 15	2 43.90	+ 8 42.7	1.765	1.732	33.8	19.7	71 W	34*	53*
7 25	3 9.73	+ 8 23.4	1.656	1.701	35.2	19.6	75 W	37*	54*
8 4	3 35.96	+ 7 39.6	1.552	1.673	36.4	19.5	78 W	40*	55*
8 14	4 2.37	+ 6 28.9	1.454	1.646	37.5	19.3	82 W	43*	57*
8 24	4 28.68	+ 4 49.9	1.363	1.622	38.4	19.2	85 W	44*	59*
9 3	4 54.58	+ 2 42.5	1.280	1.601	39.0	19.0	88 W	45*	61*
9 13	5 19.66	+ 0 7.9	1.205	1.583	39.4	18.9	91 W	44*	64*
9 23	5 43.50	− 2 50.4	1.138	1.569	39.6	18.7	94 W	42*	67*
9 28	5 54.83	− 4 27.1	1.107	1.563	39.6	18.7	96 W	41*	68*
10 3	6 5.68	− 6 7.7	1.078	1.558	39.6	18.6	97 W	39	70*
10 8	6 16.00	− 7 51.6	1.051	1.554	39.5	18.5	99 W	37	72*
10 13	6 25.72	− 9 37.5	1.026	1.551	39.3	18.5	100 W	35	74
10 18	6 34.78	−11 24.5	1.002	1.549	39.0	18.4	102 W	34	75

162551 2000 QS_{226} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 23	6 43.14	−13 11.5	0.980	1.548	38.7	18.4	103 W	32	77
10 28	6 50.74	−14 57.3	0.959	1.548	38.3	18.3	105 W	30	79
11 2	6 57.50	−16 40.9	0.940	1.549	37.9	18.2	107 W	28	81
11 7	7 3.36	−18 20.7	0.921	1.551	37.3	18.2	108 W	27	82
11 12	7 8.27	−19 55.5	0.904	1.554	36.7	18.1	110 W	25	84
11 17	7 12.19	−21 23.5	0.888	1.558	36.0	18.1	112 W	24	85
11 22	7 15.08	−22 43.6	0.873	1.563	35.2	18.0	114 W	22	87
11 27	7 16.92	−23 53.9	0.859	1.568	34.4	18.0	116 W	21	88
12 2	7 17.68	−24 52.9	0.846	1.575	33.4	17.9	118 W	20	89
12 7	7 17.40	−25 38.6	0.835	1.583	32.4	17.9	121 W	19	90
12 12	7 16.14	−26 9.2	0.825	1.591	31.3	17.8	123 W	19	90
12 17	7 14.02	−26 23.1	0.817	1.600	30.2	17.8	125 W	19	90
12 22	7 11.17	−26 19.2	0.811	1.610	29.0	17.8	127 W	19	90
12 27	7 7.78	−25 56.3	0.807	1.621	27.9	17.7	130 W	19	90
1 1	7 4.04	−25 14.0	0.805	1.633	26.8	17.7	131 W	20	89
1 6	7 0.21	−24 12.3	0.807	1.645	25.8	17.7	133 E	21	88
1 11	6 56.53	−22 52.1	0.812	1.658	25.0	17.7	135 E	22	87
1 16	6 53.23	−21 15.2	0.821	1.671	24.4	17.7	136 E	24	85
1 21	6 50.50	−19 24.1	0.833	1.685	24.0	17.8	136 E	26	83

176102 2001 BB_{61}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 43.89	−12 57.0	3.260	2.374	8.8	20.9	22 E	14*	6*
1 6	20 3.08	−12 48.2	3.270	2.343	6.8	20.8	16 E	10*	1*
1 16	20 22.64	−12 28.9	3.267	2.310	4.8	20.7	11 E	5*	—
1 26	20 42.52	−11 59.6	3.251	2.278	3.1	20.6	7 E	—	—
2 5	21 2.65	−11 21.0	3.224	2.244	2.4	20.5	5 W	—	—
2 15	21 23.00	−10 34.0	3.185	2.211	3.5	20.5	8 W	1*	—
2 25	21 43.54	− 9 39.4	3.136	2.177	5.4	20.5	12 W	2*	5*
3 7	22 4.26	− 8 38.3	3.076	2.143	7.6	20.5	17 W	3*	10*
3 17	22 25.17	− 7 31.9	3.007	2.110	9.8	20.6	21 W	4*	15*
3 27	22 46.27	− 6 21.4	2.929	2.076	12.0	20.5	26 W	5*	20*
4 6	23 7.61	− 5 8.1	2.844	2.042	14.3	20.5	30 W	5*	24*
4 16	23 29.21	− 3 53.4	2.753	2.009	16.5	20.5	35 W	6*	28*
4 26	23 51.12	− 2 39.0	2.657	1.976	18.6	20.5	39 W	7*	33*
5 6	0 13.39	− 1 26.4	2.556	1.944	20.7	20.4	43 W	8*	37*
5 16	0 36.07	− 0 17.5	2.452	1.912	22.8	20.3	47 W	9*	41*
5 26	0 59.18	+ 0 45.9	2.347	1.881	24.7	20.3	51 W	11*	44*
6 5	1 22.77	+ 1 41.7	2.241	1.852	26.6	20.2	55 W	13*	47*
6 15	1 46.84	+ 2 27.7	2.135	1.823	28.4	20.1	59 W	16*	50*
6 25	2 11.36	+ 3 1.8	2.031	1.797	30.0	20.0	62 W	19*	53*
7 5	2 36.30	+ 3 21.9	1.929	1.771	31.5	19.9	66 W	23*	55*
7 15	3 1.55	+ 3 25.7	1.830	1.748	32.9	19.8	69 W	27*	56*
7 25	3 26.96	+ 3 11.5	1.736	1.727	34.1	19.7	72 W	30*	58*
8 4	3 52.36	+ 2 38.0	1.646	1.708	35.2	19.6	76 W	34*	59*
8 14	4 17.48	+ 1 44.4	1.560	1.692	36.0	19.5	79 W	37*	60*
8 24	4 42.04	+ 0 30.7	1.480	1.678	36.7	19.4	82 W	39*	62*
9 3	5 5.73	− 1 2.1	1.405	1.667	37.1	19.2	86 W	40*	64*
9 13	5 28.18	− 2 52.3	1.335	1.659	37.3	19.1	89 W	41*	66*
9 23	5 49.01	− 4 56.8	1.269	1.654	37.3	19.0	93 W	40*	69*
10 3	6 7.86	− 7 11.8	1.208	1.652	37.0	18.9	96 W	38	71*
10 8	6 16.39	− 8 21.9	1.178	1.652	36.8	18.8	98 W	37	72*
10 13	6 24.26	− 9 32.8	1.150	1.653	36.4	18.8	100 W	35	74
10 18	6 31.41	−10 43.5	1.122	1.655	36.0	18.7	103 W	34	75
10 23	6 37.80	−11 53.4	1.095	1.657	35.5	18.6	105 W	33	76
10 28	6 43.36	−13 1.5	1.069	1.661	34.9	18.6	107 W	32	77
11 2	6 48.03	−14 6.7	1.044	1.665	34.2	18.5	110 W	31	78
11 7	6 51.76	−15 8.0	1.020	1.670	33.3	18.5	112 W	30	79
11 12	6 54.51	−16 3.8	0.997	1.675	32.4	18.4	115 W	29	80
11 17	6 56.24	−16 52.9	0.976	1.681	31.4	18.3	118 W	28	81
11 22	6 56.94	−17 33.7	0.956	1.688	30.2	18.2	121 W	27	82
11 27	6 56.61	−18 4.6	0.937	1.696	29.0	18.2	124 W	27	82
12 2	6 55.27	−18 24.0	0.921	1.704	27.7	18.1	127 W	27	82
12 7	6 52.99	−18 30.3	0.907	1.713	26.3	18.0	130 W	26	83
12 12	6 49.88	−18 21.8	0.896	1.722	24.9	18.0	133 W	27	82
12 17	6 46.11	−17 57.5	0.887	1.732	23.5	17.9	135 W	27	82
12 22	6 41.85	−17 16.9	0.883	1.743	22.2	17.9	138 W	28	81
12 27	6 37.32	−16 20.0	0.882	1.754	21.0	17.9	140 W	29	80
1 1	6 32.75	−15 7.3	0.885	1.766	20.2	17.9	142 E	30	79
1 6	6 28.36	−13 40.1	0.893	1.778	19.6	17.9	143 E	31	78
1 11	6 24.39	−12 0.4	0.906	1.790	19.5	17.9	143 E	33	76
1 16	6 21.02	−10 10.9	0.924	1.804	19.7	18.0	142 E	35	74
1 21	6 18.38	− 8 14.3	0.947	1.817	20.2	18.1	140 E	37	72

159399 1998 UL_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 44.13	+ 6 13.8	2.249	1.557	21.5	20.3	36 E	29*	—
1 6	20 14.06	+ 7 8.6	2.305	1.586	20.2	20.3	34 E	27*	—
1 16	20 43.26	+ 8 10.5	2.363	1.614	18.8	20.4	32 E	24*	—
1 26	21 11.69	+ 9 18.2	2.422	1.640	17.3	20.4	30 E	21*	—
2 5	21 39.30	+10 30.1	2.480	1.666	15.7	20.4	27 E	17*	—
2 15	22 6.12	+11 44.9	2.536	1.690	14.1	20.5	25 E	13*	—
2 25	22 32.18	+13 1.0	2.587	1.712	12.6	20.5	22 W	10*	—

159399 1998 UL_1 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 7	22 57.53	+14 16.9	2.633	1.733	11.2	20.5	20 W	10*	—
3 17	23 22.24	+15 31.4	2.672	1.753	10.1	20.5	18 W	10*	—
3 27	23 46.36	+16 43.1	2.702	1.771	9.4	20.5	17 W	10*	—
4 6	0 9.99	+17 50.7	2.723	1.787	9.2	20.6	17 W	11*	—
4 16	0 33.19	+18 53.0	2.732	1.802	9.7	20.6	18 W	11*	4*
4 26	0 56.00	+19 48.9	2.730	1.814	10.7	20.7	20 W	11*	7*
5 6	1 18.50	+20 37.2	2.716	1.825	12.2	20.7	22 W	12*	11*
5 16	1 40.72	+21 16.8	2.690	1.835	13.9	20.8	26 W	13*	15*
5 26	2 2.69	+21 46.4	2.651	1.842	15.9	20.8	30 W	15*	19*
6 5	2 24.41	+22 4.8	2.599	1.848	17.9	20.8	34 W	17*	23*
6 15	2 45.89	+22 10.8	2.536	1.851	19.9	20.9	38 W	19*	26*
6 25	3 7.10	+22 2.6	2.460	1.853	22.0	20.9	43 W	23*	29*
7 5	3 28.02	+21 38.9	2.374	1.853	24.0	20.8	48 W	27*	32*
7 15	3 48.58	+20 57.9	2.278	1.852	26.0	20.8	53 W	31*	35*
7 25	4 8.69	+19 57.4	2.172	1.848	27.8	20.8	58 W	36*	38*
8 4	4 28.28	+18 35.1	2.060	1.842	29.5	20.7	63 W	40*	41*
8 14	4 47.20	+16 48.4	1.941	1.835	31.0	20.6	69 W	45*	44*
8 24	5 5.32	+14 34.0	1.819	1.826	32.2	20.5	74 W	48*	47*
8 29	5 14.03	+13 15.4	1.757	1.821	32.7	20.4	77 W	50*	49*
9 3	5 22.47	+11 48.4	1.694	1.815	33.2	20.3	80 W	50*	51*
9 8	5 30.61	+10 12.6	1.632	1.809	33.6	20.3	83 W	51*	52*
9 13	5 38.41	+ 8 27.5	1.571	1.803	33.8	20.2	86 W	51*	55*
9 23	5 52.88	+ 4 27.1	1.451	1.788	34.1	20.0	92 W	49*	59*
10 3	6 5.57	− 0 16.5	1.338	1.772	34.0	19.8	97 W	45	64*
10 13	6 16.03	− 5 45.3	1.235	1.754	33.6	19.6	103 W	39	70
10 23	6 23.77	−11 57.5	1.145	1.735	33.0	19.4	108 W	33	76
10 28	6 26.44	−15 17.7	1.106	1.724	32.7	19.3	110 W	30	79
11 2	6 28.17	−18 45.2	1.072	1.714	32.4	19.2	112 W	26	83
11 7	6 28.88	−22 17.3	1.043	1.703	32.2	19.1	114 W	23	86
11 12	6 28.47	−25 51.2	1.018	1.691	32.1	19.0	115 W	19	90
11 17	6 26.86	−29 23.2	0.998	1.679	32.1	19.0	115 W	16	87
11 22	6 23.98	−32 49.7	0.983	1.667	32.3	18.9	116 W	12	83
11 27	6 19.76	−36 6.6	0.973	1.655	32.7	18.9	115 W	9	80
12 2	6 14.20	−39 10.1	0.967	1.642	33.1	18.9	114 W	6	77
12 7	6 7.33	−41 56.4	0.965	1.629	33.7	18.9	113 W	3	74
12 12	5 59.31	−44 22.7	0.966	1.616	34.5	18.9	112 W	1	72
12 17	5 50.35	−46 26.7	0.970	1.602	35.2	18.9	110 W	—	70
12 22	5 40.75	−48 7.5	0.975	1.588	36.0	18.9	108 E	—	68
12 27	5 30.87	−49 24.7	0.982	1.574	36.8	18.9	106 E	—	67
1 1	5 21.12	−50 18.8	0.991	1.559	37.7	19.0	104 E	—	66
1 6	5 11.92	−50 51.0	0.999	1.545	38.4	19.0	102 E	—	65
1 11	5 3.65	−51 3.3	1.007	1.530	39.2	19.0	100 E	—	65
1 16	4 56.61	−50 58.1	1.015	1.515	39.9	19.0	99 E	—	65
1 21	4 50.98	−50 37.7	1.022	1.500	40.7	19.0	97 E	—	65

367073 2006 PZ_{19}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 44.74	−19 14.2	2.773	1.873	10.0	21.2	19 E	9*	9*
1 6	20 10.40	−18 30.5	2.774	1.844	8.1	21.1	15 E	7*	5*
1 16	20 36.39	−17 30.9	2.770	1.815	6.1	21.0	11 E	4*	2*
1 26	21 2.60	−16 16.1	2.761	1.789	4.1	20.8	7 E	1*	—
2 5	21 28.93	−14 47.1	2.747	1.764	2.1	20.7	4 E	—	—
2 15	21 55.32	−13 5.0	2.729	1.742	0.3	20.5	0 E	—	—
2 25	22 21.70	−11 11.5	2.709	1.721	1.9	20.6	3 W	—	—
3 7	22 48.05	− 9 8.6	2.686	1.704	3.8	20.7	7 W	—	—
3 17	23 14.38	− 6 58.3	2.661	1.689	5.7	20.7	10 W	—	4*
3 27	23 40.66	− 4 42.9	2.635	1.676	7.6	20.8	13 W	—	7*
4 6	0 6.93	− 2 24.9	2.608	1.667	9.4	20.8	16 W	—	10*
4 16	0 33.20	− 0 6.6	2.580	1.661	11.1	20.9	19 W	—	13*
4 26	0 59.48	+ 2 9.3	2.552	1.658	12.9	20.9	22 W	—	15*
5 6	1 25.79	+ 4 20.4	2.524	1.658	14.5	20.9	24 W	—	18*
5 16	1 52.11	+ 6 24.5	2.496	1.662	16.1	21.0	27 W	1*	21*
5 26	2 18.41	+ 8 19.1	2.467	1.668	17.7	21.0	30 W	2*	24*
6 5	2 44.67	+10 2.6	2.437	1.678	19.1	21.0	33 W	5*	26*
6 15	3 10.80	+11 33.2	2.406	1.690	20.6	21.1	36 W	8*	29*
6 25	3 36.70	+12 49.7	2.373	1.706	22.0	21.1	39 W	11*	31*
7 5	4 2.26	+13 51.3	2.338	1.724	23.3	21.1	42 W	15*	33*
7 15	4 27.36	+14 37.7	2.301	1.745	24.5	21.2	45 W	20*	35*
7 25	4 51.83	+15 8.7	2.259	1.767	25.7	21.2	49 W	25*	36*
8 4	5 15.52	+15 25.1	2.214	1.792	26.8	21.2	53 W	30*	38*
8 14	5 38.26	+15 27.6	2.164	1.819	27.8	21.2	57 W	35*	39*
8 24	5 59.87	+15 17.6	2.110	1.847	28.6	21.2	61 W	40*	40*
9 3	6 20.19	+14 56.8	2.050	1.877	29.3	21.2	66 W	45*	42*
9 13	6 39.03	+14 26.9	1.985	1.908	29.9	21.2	71 W	50*	43*
9 23	6 56.19	+13 50.3	1.916	1.940	30.2	21.2	76 W	53*	45*
10 3	7 11.46	+13 9.3	1.842	1.973	30.2	21.1	82 W	56*	47*
10 13	7 24.57	+12 26.8	1.764	2.007	29.8	21.0	89 W	57*	49*
10 23	7 35.24	+11 45.8	1.685	2.041	29.0	21.0	96 W	57	51*
11 2	7 43.19	+11 9.5	1.605	2.076	27.7	20.8	104 W	56	53*
11 12	7 48.03	+10 41.6	1.527	2.110	25.7	20.7	112 W	56	53
11 22	7 49.50	+10 25.9	1.456	2.145	23.1	20.6	122 W	55	54

367073 2006 PZ_{19} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	7 47.40	+10 25.5	1.394	2.180	19.7	20.4	132 W	55	54
12 12	7 41.79	+10 42.9	1.347	2.215	15.5	20.2	143 W	56	53
12 22	7 33.17	+11 18.5	1.321	2.250	10.7	20.0	155 W	56	53
1 1	7 22.52	+12 10.0	1.318	2.284	6.0	19.9	166 W	57	52
1 6	7 16.84	+12 40.4	1.327	2.301	4.3	19.8	170 W	58	51
1 11	7 11.20	+13 12.9	1.343	2.318	4.0	19.8	170 E	58	51
1 16	7 5.79	+13 46.7	1.366	2.335	5.3	20.0	167 E	59	50
1 21	7 0.77	+14 21.1	1.396	2.352	7.3	20.1	162 E	59	50

3352 McAuliffe

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 45.21	−22 6.3	3.483	2.572	7.1	21.1	19 E	7*	10*
1 6	20 2.77	−21 25.3	3.523	2.573	4.9	21.0	13 E	3*	5*
1 16	20 20.29	−20 37.3	3.547	2.573	2.6	20.9	7 E	—	—
1 26	20 37.69	−19 43.1	3.554	2.570	0.5	20.7	1 E	—	—
2 5	20 54.92	−18 43.0	3.546	2.566	2.1	20.8	5 W	—	—
2 15	21 11.94	−17 37.8	3.522	2.560	4.3	21.0	11 W	—	5*
2 25	21 28.71	−16 28.2	3.482	2.553	6.5	21.0	17 W	—	11*
3 7	21 45.19	−15 15.1	3.428	2.544	8.8	21.1	23 W	1*	17*
3 17	22 1.37	−13 59.1	3.359	2.533	10.9	21.1	29 W	3*	23*
3 27	22 17.22	−12 41.3	3.276	2.521	13.0	21.1	35 W	5*	29*
4 6	22 32.72	−11 22.5	3.181	2.507	15.0	21.1	41 W	7*	35*
4 16	22 47.84	−10 3.6	3.075	2.492	17.0	21.1	46 W	9*	40*
4 26	23 2.55	− 8 45.6	2.957	2.474	18.8	21.1	52 W	11*	46*
5 6	23 16.83	− 7 29.7	2.831	2.455	20.5	21.0	58 W	13*	52*
5 16	23 30.62	− 6 16.8	2.696	2.435	22.0	20.9	64 W	16*	57*
5 26	23 43.83	− 5 8.3	2.554	2.413	23.3	20.9	70 W	19*	62*
6 5	23 56.41	− 4 5.4	2.407	2.389	24.4	20.7	77 W	23*	65*
6 15	0 8.22	− 3 9.5	2.257	2.363	25.3	20.6	83 W	27*	67*
6 25	0 19.09	− 2 22.6	2.104	2.336	25.8	20.4	90 W	32*	66
7 5	0 28.83	− 1 46.2	1.951	2.307	25.9	20.2	97 W	37*	66
7 15	0 37.16	− 1 22.7	1.800	2.277	25.6	20.0	104 W	41*	65
7 25	0 43.75	− 1 14.4	1.652	2.244	24.7	19.8	112 W	43*	65
8 4	0 48.19	− 1 23.9	1.512	2.211	23.2	19.5	121 W	44	65
8 14	0 50.02	− 1 53.8	1.380	2.175	20.9	19.2	130 W	43	66
8 24	0 48.78	− 2 45.5	1.262	2.138	17.7	18.9	140 W	42	67
9 3	0 44.13	− 3 59.0	1.161	2.100	13.5	18.5	151 W	41	68
9 8	0 40.48	− 4 43.1	1.117	2.080	11.2	18.3	156 W	40	69
9 13	0 36.00	− 5 30.9	1.079	2.060	8.7	18.1	162 W	39	70
9 18	0 30.78	− 6 21.2	1.047	2.039	6.4	17.9	167 W	39	70
9 23	0 24.94	− 7 12.5	1.022	2.018	4.7	17.8	170 W	38	71
9 28	0 18.64	− 8 3.0	1.002	1.997	5.0	17.7	170 W	37	72
10 3	0 12.10	− 8 51.1	0.989	1.975	7.0	17.8	166 E	36	73
10 8	0 5.55	− 9 34.7	0.983	1.953	9.8	17.9	160 E	35	74
10 13	23 59.25	−10 12.4	0.982	1.931	12.8	17.9	155 E	35	74
10 18	23 53.43	−10 42.7	0.987	1.908	15.9	18.0	148 E	34	75
10 23	23 48.29	−11 5.1	0.997	1.886	18.8	18.1	142 E	34	75
11 2	23 40.63	−11 24.3	1.029	1.839	24.0	18.3	131 E	34	75
11 12	23 37.08	−11 10.1	1.073	1.791	28.5	18.5	120 E	34	75
11 22	23 37.78	−10 25.8	1.125	1.743	32.0	18.6	111 E	35	74
12 2	23 42.47	− 9 15.6	1.180	1.693	34.6	18.7	102 E	36	73*
12 12	23 50.76	− 7 43.0	1.235	1.644	36.6	18.8	95 E	37	69*
12 22	0 2.19	− 5 51.4	1.286	1.594	38.1	18.9	88 E	39	63*
1 1	0 16.37	− 3 43.2	1.334	1.544	39.1	18.9	82 E	41	56*
1 11	0 33.02	− 1 20.6	1.376	1.495	39.8	18.9	77 E	44	50*
1 21	0 51.93	+ 1 14.1	1.411	1.447	40.2	18.9	72 E	46*	45*

298747 2004 GU_{76}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 45.34	−23 27.6	2.419	1.521	12.0	20.7	19 E	6*	11*
1 6	20 18.00	−22 21.7	2.440	1.521	10.4	20.6	16 E	5*	8*
1 16	20 50.13	−20 52.4	2.463	1.525	8.8	20.6	14 E	3*	6*
1 26	21 21.49	−19 2.6	2.486	1.533	7.3	20.5	11 E	2*	4*
2 5	21 51.95	−16 55.8	2.510	1.545	5.8	20.5	9 E	—	2*
2 15	22 21.46	−14 35.6	2.536	1.560	4.4	20.5	7 E	—	1*
2 25	22 49.99	−12 5.8	2.561	1.578	3.3	20.5	5 E	—	—
3 7	23 17.58	− 9 30.0	2.587	1.599	2.8	20.5	5 E	—	—
3 17	23 44.31	− 6 51.6	2.611	1.624	3.3	20.6	5 W	—	—
3 27	0 10.23	− 4 13.5	2.634	1.650	4.5	20.7	7 W	—	—
4 6	0 35.44	− 1 38.5	2.655	1.679	5.9	20.8	10 W	—	3*
4 16	1 0.02	+ 0 51.4	2.673	1.710	7.5	20.9	13 W	—	6*
4 26	1 24.01	+ 3 14.0	2.687	1.742	9.1	21.1	16 W	—	9*
5 6	1 47.48	+ 5 28.1	2.697	1.775	10.8	21.2	19 W	—	13*
5 16	2 10.47	+ 7 32.3	2.701	1.810	12.4	21.3	23 W	—	17*
5 26	2 32.98	+ 9 25.7	2.698	1.846	14.1	21.4	26 W	1*	20*
6 5	2 55.01	+11 7.8	2.690	1.882	15.7	21.5	30 W	4*	24*

215476 2002 RP_{134}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 45.61	−25 13.1	2.471	1.572	11.6	20.8	19 E	4*	11*
1 6	20 17.80	−23 50.8	2.486	1.566	10.1	20.7	16 E	3*	9*
1 16	20 49.47	−22 5.2	2.503	1.564	8.5	20.6	14 E	2*	7*
1 26	21 20.40	−19 59.1	2.520	1.566	7.0	20.6	11 E	1*	4*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
215476 2002 RP_{134} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 5	21 50.44	−17 36.0	2.539	1.572	5.5	20.6	9 E	—	2*
2 15	22 19.54	−14 59.3	2.560	1.583	4.1	20.5	7 E	—	1*
2 25	22 47.68	−12 13.1	2.581	1.597	3.0	20.5	5 E	—	—
3 7	23 14.90	− 9 21.0	2.603	1.615	2.6	20.5	4 E	—	—
3 17	23 41.28	− 6 26.3	2.625	1.636	3.1	20.6	5 W	—	—
3 27	0 6.88	− 3 32.2	2.646	1.661	4.3	20.7	7 W	—	—
4 6	0 31.79	− 0 41.4	2.666	1.688	5.8	20.8	10 W	—	3*
4 16	0 56.09	+ 2 4.0	2.683	1.718	7.4	21.0	13 W	—	6*
4 26	1 19.84	+ 4 41.9	2.697	1.751	9.0	21.1	16 W	—	10*
5 6	1 43.10	+ 7 10.9	2.707	1.785	10.7	21.2	19 W	—	13*
5 16	2 5.89	+ 9 29.7	2.712	1.821	12.4	21.3	23 W	1*	17*
5 26	2 28.23	+11 37.6	2.711	1.858	14.0	21.4	26 W	3*	20*
41588 2000 SC_{46}									
12 27	19 46.01	− 7 57.2	3.702	2.842	8.4	18.9	25 E	18*	4*
1 6	20 1.29	− 7 5.6	3.767	2.864	6.8	18.9	20 E	14*	—
1 16	20 16.43	− 6 6.6	3.817	2.885	5.4	18.9	16 E	9*	—
1 26	20 31.36	− 5 0.5	3.852	2.905	4.6	18.8	14 W	4*	—
2 5	20 46.02	− 3 48.0	3.870	2.924	4.7	18.9	14 W	8*	—
2 15	21 0.35	− 2 29.5	3.874	2.942	5.6	18.9	17 W	11*	1*
2 25	21 14.29	− 1 5.6	3.861	2.959	6.9	19.0	21 W	13*	8*
3 7	21 27.79	+ 0 23.1	3.834	2.975	8.4	19.1	26 W	16*	14*
3 17	21 40.81	+ 1 56.0	3.791	2.990	10.0	19.1	32 W	18*	21*
3 27	21 53.26	+ 3 32.4	3.735	3.004	11.6	19.2	37 W	21*	27*
4 6	22 5.10	+ 5 11.7	3.665	3.017	13.2	19.2	43 W	24*	32*
4 16	22 16.26	+ 6 53.2	3.583	3.029	14.6	19.2	49 W	26*	38*
4 26	22 26.65	+ 8 36.1	3.490	3.040	15.9	19.2	56 W	30*	43*
5 6	22 36.16	+10 19.8	3.387	3.050	17.0	19.2	62 W	33*	46*
5 16	22 44.69	+12 3.3	3.275	3.059	18.0	19.1	69 W	37*	49*
5 26	22 52.09	+13 45.7	3.157	3.068	18.7	19.1	76 W	42*	50*
6 5	22 58.20	+15 25.8	3.034	3.075	19.1	19.0	83 W	47*	49
6 15	23 2.83	+17 2.0	2.909	3.081	19.3	18.9	90 W	53*	47
6 25	23 5.77	+18 32.5	2.783	3.086	19.1	18.8	98 W	59*	45
7 5	23 6.85	+19 54.9	2.660	3.090	18.5	18.7	105 W	64*	44
7 15	23 5.85	+21 6.1	2.544	3.093	17.5	18.6	114 W	66	43
7 25	23 2.69	+22 2.3	2.437	3.096	16.2	18.5	122 W	67	42
8 4	22 57.41	+22 39.6	2.343	3.097	14.5	18.3	130 W	68	41
8 14	22 50.22	+22 53.9	2.267	3.097	12.6	18.2	138 W	68	41
8 24	22 41.63	+22 42.1	2.211	3.096	10.7	18.1	145 W	68	41
9 3	22 32.33	+22 3.7	2.179	3.095	9.4	18.0	150 E	67	42
9 8	22 27.68	+21 34.9	2.173	3.093	9.1	17.9	151 E	67	42
9 13	22 23.18	+21 0.6	2.173	3.092	9.1	17.9	151 E	66	43
9 18	22 18.95	+20 21.4	2.180	3.090	9.4	18.0	150 E	65	44
9 23	22 15.07	+19 38.3	2.193	3.088	10.0	18.0	148 E	65	44
9 28	22 11.62	+18 52.2	2.212	3.086	10.8	18.0	145 E	64	45
10 3	22 8.66	+18 4.1	2.238	3.083	11.7	18.1	141 E	63	46
10 8	22 6.26	+17 15.1	2.269	3.081	12.7	18.2	137 E	62	47
10 13	22 4.44	+16 26.1	2.306	3.078	13.6	18.2	133 E	61	48
10 18	22 3.23	+15 38.1	2.347	3.074	14.6	18.3	129 E	61	48
10 23	22 2.63	+14 51.8	2.393	3.071	15.4	18.4	125 E	60	49
11 2	22 3.19	+13 26.7	2.496	3.063	16.9	18.5	116 E	58	51
11 12	22 6.02	+12 14.5	2.611	3.054	18.0	18.6	107 E	57	52*
11 22	22 10.87	+11 17.4	2.733	3.045	18.7	18.8	99 E	56	51*
12 2	22 17.50	+10 36.0	2.859	3.034	19.0	18.9	91 E	56	47*
12 12	22 25.67	+10 10.2	2.986	3.022	18.9	18.9	83 E	55	42*
12 22	22 35.14	+ 9 59.4	3.110	3.010	18.4	19.0	75 E	55*	36*
1 1	22 45.70	+10 2.3	3.229	2.996	17.7	19.1	68 E	53*	30*
1 11	22 57.20	+10 17.8	3.341	2.981	16.7	19.1	60 E	50*	24*
1 21	23 9.46	+10 44.5	3.443	2.966	15.5	19.1	54 E	45*	19*
455594 2004 SV_{55}									
12 27	19 46.07	−30 9.8	1.535	0.692	28.5	19.3	20 E	—	13*
12 29	19 58.65	−28 42.0	1.547	0.710	28.5	19.4	20 E	2*	14*
12 31	20 10.56	−27 11.2	1.561	0.728	28.4	19.4	21 E	4*	14*
1 2	20 21.83	−25 38.4	1.576	0.747	28.2	19.5	21 E	5*	14*
1 4	20 32.52	−24 4.3	1.592	0.767	28.0	19.6	22 E	6*	14*
1 6	20 42.65	−22 29.5	1.609	0.788	27.8	19.7	22 E	8*	14*
1 11	21 5.86	−18 33.0	1.656	0.841	27.0	19.8	23 E	11*	13*
1 16	21 26.51	−14 41.6	1.707	0.896	26.0	20.0	24 E	13*	11*
1 21	21 45.11	−10 58.8	1.762	0.952	24.9	20.2	24 E	15*	10*
1 26	22 2.09	− 7 26.5	1.820	1.009	23.7	20.3	24 E	17*	8*
2 5	22 32.41	− 0 54.6	1.942	1.122	21.4	20.6	24 E	18*	4*
2 15	22 59.33	+ 4 55.7	2.067	1.232	19.1	20.9	24 E	18*	1*
2 25	23 24.00	+10 9.8	2.190	1.339	17.0	21.1	23 E	17*	—
3 7	23 47.17	+14 53.5	2.309	1.441	15.1	21.3	22 E	15*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
140039 2001 SO_{73}									
	h m	° ′			°	m	°	°	°
12 27	19 46.28	−18 38.4	2.034	1.158	16.8	20.9	20 E	10*	9*
1 1	20 6.14	−17 45.7	2.083	1.202	15.9	21.0	20 E	10*	8*
1 6	20 25.01	−16 48.0	2.133	1.246	14.9	21.1	19 E	10*	7*
1 11	20 42.93	−15 46.3	2.186	1.290	13.9	21.1	18 E	10*	7*
1 16	20 59.97	−14 41.6	2.239	1.334	12.8	21.2	18 E	10*	6*
1 21	21 16.19	−13 34.7	2.292	1.378	11.7	21.3	17 E	9*	5*
1 26	21 31.64	−12 26.4	2.346	1.421	10.6	21.4	15 E	8*	3*
1 31	21 46.38	−11 17.2	2.399	1.463	9.4	21.5	14 E	7*	2*
133531 2003 TJ_5									
12 27	19 46.30	−35 41.9	2.508	1.636	12.9	20.2	22 E	—	16*
1 1	20 3.69	−34 54.9	2.518	1.635	12.3	20.2	21 E	—	15*
1 6	20 20.79	−34 0.5	2.527	1.636	11.7	20.2	20 E	—	14*
1 11	20 37.58	−32 59.3	2.537	1.637	11.1	20.2	19 E	—	13*
1 16	20 54.00	−31 51.8	2.548	1.639	10.6	20.2	18 E	—	11*
1 21	21 10.04	−30 38.5	2.558	1.641	10.0	20.2	17 E	—	10*
1 26	21 25.67	−29 20.1	2.569	1.645	9.5	20.2	16 E	—	9*
1 31	21 40.89	−27 57.0	2.580	1.649	8.9	20.1	15 E	—	8*
2 5	21 55.71	−26 30.0	2.592	1.654	8.4	20.1	14 E	—	7*
2 15	22 24.15	−23 26.2	2.615	1.666	7.6	20.1	13 E	—	5*
2 25	22 51.08	−20 13.2	2.637	1.681	7.0	20.2	12 E	—	3*
3 7	23 16.64	−16 54.9	2.659	1.699	6.8	20.2	12 E	—	1*
3 17	23 40.99	−13 34.5	2.679	1.720	7.0	20.2	12 W	—	1*
3 27	0 4.28	−10 14.9	2.696	1.742	7.7	20.3	14 W	—	4*
4 6	0 26.66	− 6 58.5	2.710	1.767	8.8	20.4	16 W	—	7*
4 16	0 48.27	− 3 46.7	2.719	1.794	10.1	20.5	18 W	—	11*
4 26	1 9.19	− 0 41.2	2.722	1.822	11.6	20.6	21 W	—	15*
5 6	1 29.53	+ 2 17.1	2.720	1.852	13.2	20.7	25 W	—	18*
5 16	1 49.36	+ 5 7.6	2.710	1.883	14.8	20.8	28 W	—	22*
5 26	2 8.70	+ 7 49.8	2.692	1.915	16.4	20.8	32 W	4*	26*
6 5	2 27.58	+10 23.6	2.667	1.947	18.1	20.9	37 W	8*	30*
6 15	2 46.00	+12 49.1	2.633	1.981	19.6	21.0	41 W	13*	33*
6 25	3 3.93	+15 6.3	2.591	2.015	21.1	21.0	46 W	19*	35*
7 5	3 21.31	+17 15.8	2.540	2.049	22.5	21.1	50 W	25*	37*
7 15	3 38.05	+19 18.4	2.481	2.084	23.8	21.1	56 W	32*	38*
7 25	3 54.03	+21 14.9	2.413	2.119	24.8	21.1	61 W	39*	38*
8 4	4 9.10	+23 6.4	2.338	2.153	25.7	21.1	67 W	47*	38*
8 14	4 23.05	+24 54.4	2.257	2.188	26.3	21.1	73 W	54*	38*
8 24	4 35.62	+26 40.4	2.169	2.222	26.6	21.0	80 W	62*	37*
9 3	4 46.51	+28 26.2	2.079	2.256	26.5	21.0	87 W	69*	36*
9 13	4 55.30	+30 13.5	1.986	2.290	26.0	20.9	94 W	75*	34
9 23	5 1.54	+32 3.6	1.894	2.323	25.0	20.8	102 W	77	32
10 3	5 4.70	+33 57.1	1.805	2.356	23.4	20.6	111 W	79	30
10 13	5 4.22	+35 52.9	1.725	2.389	21.2	20.5	120 W	81	28
10 23	4 59.63	+37 47.2	1.657	2.420	18.3	20.4	130 W	83	26
10 28	4 55.72	+38 42.0	1.629	2.436	16.7	20.3	135 W	84	25
11 2	4 50.74	+39 33.6	1.606	2.451	15.0	20.2	140 W	85	24
11 7	4 44.76	+40 21.0	1.588	2.467	13.3	20.1	145 W	85	24
11 12	4 37.90	+41 2.7	1.576	2.482	11.6	20.1	150 W	86	23
11 17	4 30.33	+41 37.8	1.571	2.497	10.1	20.0	154 W	87	22
11 22	4 22.28	+42 5.4	1.573	2.511	8.9	20.0	157 W	87	22
11 27	4 13.99	+42 25.0	1.581	2.526	8.2	20.0	159 W	87	22
12 2	4 5.73	+42 36.5	1.597	2.540	8.2	20.0	159 E	88	21
12 7	3 57.77	+42 40.2	1.619	2.554	8.8	20.1	157 E	88	21
12 12	3 50.38	+42 37.0	1.649	2.568	9.8	20.2	154 E	88	21
12 17	3 43.75	+42 28.1	1.685	2.582	11.1	20.3	150 E	87	22
12 22	3 38.03	+42 14.8	1.727	2.596	12.5	20.4	145 E	87	22
12 27	3 33.30	+41 58.4	1.775	2.609	13.9	20.5	140 E	87	22
1 1	3 29.62	+41 40.2	1.828	2.622	15.2	20.6	136 E	87	22
1 6	3 27.00	+41 21.2	1.886	2.635	16.4	20.8	131 E	86	23
1 11	3 25.43	+41 2.4	1.948	2.648	17.5	20.9	126 E	86	23
1 16	3 24.85	+40 44.7	2.014	2.661	18.4	21.0	121 E	86	23
1 21	3 25.21	+40 28.3	2.082	2.673	19.2	21.1	117 E	85	24
119044 2001 HV_7									
12 27	19 46.33	−22 27.7	2.499	1.602	11.6	20.4	19 E	7*	10*
1 6	20 16.76	−21 1.1	2.521	1.600	9.8	20.4	16 E	6*	7*
1 16	20 46.67	−19 15.0	2.542	1.600	8.1	20.3	13 E	4*	5*
1 26	21 15.90	−17 11.6	2.563	1.604	6.3	20.3	10 E	2*	2*
2 5	21 44.38	−14 54.0	2.583	1.610	4.5	20.2	7 E	—	—
2 15	22 12.09	−12 24.9	2.602	1.619	2.7	20.1	4 E	—	—
2 25	22 39.04	− 9 47.6	2.620	1.631	1.1	20.0	2 E	—	—
3 7	23 5.26	− 7 5.1	2.636	1.645	1.2	20.1	2 W	—	—
3 17	23 30.84	− 4 19.9	2.651	1.662	2.9	20.2	5 W	—	—
3 27	23 55.82	− 1 34.9	2.664	1.681	4.7	20.4	8 W	—	2*
4 6	0 20.30	+ 1 7.8	2.673	1.702	6.5	20.5	11 W	—	5*
4 16	0 44.33	+ 3 46.0	2.679	1.725	8.3	20.6	14 W	—	8*
4 26	1 7.98	+ 6 18.0	2.682	1.750	10.0	20.7	18 W	—	12*
5 6	1 31.29	+ 8 42.1	2.679	1.776	11.8	20.8	21 W	2*	15*
5 16	1 54.30	+10 57.1	2.672	1.803	13.5	20.9	25 W	4*	18*
5 26	2 17.00	+13 2.0	2.659	1.831	15.2	21.0	28 W	6*	22*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		119044 2001 HV_7				*(continuation)*			
	h m	° ′			°	m	°	°	°
6 5	2 39.40	+14 55.9	2.639	1.860	16.9	21.1	32 W	9*	25*
6 15	3 1.47	+16 38.3	2.613	1.890	18.5	21.1	36 W	13*	27*
6 25	3 23.14	+18 8.9	2.580	1.921	20.0	21.2	40 W	17*	30*
7 5	3 44.35	+19 27.5	2.539	1.951	21.5	21.2	45 W	22*	32*
7 15	4 5.00	+20 34.4	2.491	1.982	22.8	21.3	49 W	28*	33*
7 25	4 24.95	+21 29.8	2.435	2.013	24.1	21.3	54 W	34*	35*
8 4	4 44.06	+22 14.6	2.371	2.045	25.2	21.3	59 W	40*	36*
8 14	5 2.17	+22 49.7	2.300	2.075	26.1	21.3	64 W	46*	37*
8 24	5 19.06	+23 16.1	2.222	2.106	26.8	21.3	70 W	53*	38*
9 3	5 34.53	+23 35.4	2.138	2.137	27.3	21.2	76 W	59*	38*
9 13	5 48.28	+23 49.0	2.049	2.167	27.4	21.2	83 W	64*	39*
9 23	6 0.03	+23 58.9	1.956	2.196	27.2	21.1	90 W	68*	40*
10 3	6 9.42	+24 6.9	1.860	2.225	26.5	21.0	98 W	69	40*
10 13	6 16.05	+24 14.8	1.766	2.254	25.2	20.9	106 W	69	40
10 23	6 19.52	+24 24.0	1.675	2.282	23.3	20.7	115 W	69	40
11 2	6 19.47	+24 35.5	1.591	2.309	20.6	20.5	125 W	70	39
11 12	6 15.66	+24 48.9	1.520	2.335	17.1	20.4	136 W	70	39
11 22	6 8.17	+25 2.6	1.466	2.361	12.9	20.2	148 W	70	39
11 27	6 3.21	+25 8.8	1.448	2.374	10.6	20.0	154 W	70	39
12 2	5 57.58	+25 13.9	1.435	2.386	8.1	19.9	160 W	70	39
12 7	5 51.43	+25 17.7	1.429	2.398	5.5	19.8	167 W	70	39
12 12	5 44.98	+25 19.9	1.430	2.410	2.9	19.7	173 W	70	39
12 17	5 38.42	+25 20.4	1.438	2.422	0.8	19.5	178 W	70	39
12 22	5 31.98	+25 19.3	1.454	2.433	2.7	19.7	173 E	70	39
12 27	5 25.83	+25 16.7	1.476	2.445	5.2	19.9	167 E	70	39
1 1	5 20.17	+25 12.9	1.506	2.456	7.6	20.1	161 E	70	39
1 6	5 15.15	+25 8.5	1.543	2.467	9.9	20.2	154 E	70	39
1 11	5 10.89	+25 3.7	1.585	2.477	12.0	20.4	148 E	70	39
1 16	5 7.45	+24 59.0	1.634	2.488	13.9	20.5	143 E	70	39
1 21	5 4.87	+24 54.8	1.687	2.498	15.6	20.7	137 E	70	39
		13551 Gadsden							
12 27	19 46.44	−22 11.1	3.262	2.355	7.9	21.4	19 E	7*	10*
1 6	20 6.51	−21 5.8	3.348	2.404	5.6	21.4	14 E	4*	5*
1 16	20 25.84	−19 54.1	3.421	2.452	3.3	21.3	8 E	—	1*
1 26	20 44.41	−18 37.2	3.482	2.499	1.0	21.3	3 E	—	—
2 5	21 2.22	−17 16.1	3.529	2.545	1.2	21.3	3 W	—	—
		204627 2005 WK_{54}							
12 27	19 46.66	−19 57.0	2.407	1.517	12.6	20.5	20 E	9*	10*
1 6	20 18.08	−18 15.7	2.425	1.513	11.0	20.4	17 E	8*	7*
1 16	20 48.98	−16 14.4	2.445	1.513	9.4	20.4	15 E	7*	4*
1 26	21 19.21	−13 56.0	2.465	1.516	7.8	20.3	12 E	5*	1*
2 5	21 48.70	−11 23.8	2.487	1.524	6.2	20.3	10 E	3*	—
2 15	22 17.44	− 8 41.1	2.510	1.535	4.6	20.2	7 E	1*	—
2 25	22 45.44	− 5 51.4	2.534	1.549	3.0	20.2	5 E	—	—
3 7	23 12.74	− 2 58.2	2.558	1.567	1.6	20.1	3 E	—	—
3 17	23 39.42	− 0 4.4	2.582	1.588	1.4	20.2	2 W	—	—
3 27	0 5.55	+ 2 47.0	2.605	1.612	2.7	20.3	4 W	—	—
4 6	0 31.21	+ 5 33.5	2.626	1.638	4.3	20.5	7 W	—	1*
4 16	0 56.46	+ 8 13.0	2.645	1.666	6.0	20.6	10 W	—	4*
4 26	1 21.36	+10 43.6	2.661	1.697	7.7	20.7	13 W	1*	7*
5 6	1 45.94	+13 3.8	2.674	1.728	9.4	20.8	16 W	2*	10*
5 16	2 10.23	+15 12.4	2.681	1.762	11.1	21.0	20 W	4*	13*
5 26	2 34.22	+17 8.5	2.683	1.796	12.8	21.1	23 W	6*	16*
6 5	2 57.89	+18 51.4	2.678	1.831	14.5	21.2	27 W	9*	19*
6 15	3 21.20	+20 20.7	2.667	1.867	16.1	21.3	31 W	12*	21*
6 25	3 44.06	+21 36.5	2.648	1.904	17.7	21.3	35 W	16*	24*
7 5	4 6.40	+22 38.7	2.622	1.940	19.3	21.4	39 W	21*	26*
7 15	4 28.12	+23 27.9	2.587	1.977	20.7	21.5	43 W	26*	28*
		315186 Schade							
12 27	19 46.87	−23 10.4	2.593	1.694	11.0	21.1	19 E	6*	11*
1 6	20 15.20	−21 27.7	2.595	1.670	9.2	21.0	16 E	5*	7*
1 16	20 43.41	−19 26.1	2.595	1.648	7.4	20.9	12 E	3*	4*
1 26	21 11.38	−17 7.1	2.592	1.628	5.6	20.8	9 E	1*	1*
2 5	21 39.04	−14 32.5	2.588	1.611	3.8	20.7	6 E	—	—
2 15	22 6.36	−11 44.3	2.583	1.598	2.0	20.5	3 E	—	—
2 25	22 33.34	− 8 45.3	2.577	1.587	0.3	20.3	1 E	—	—
3 7	23 0.01	− 5 38.2	2.571	1.580	1.5	20.4	2 W	—	—
3 17	23 26.43	− 2 25.8	2.565	1.577	3.2	20.6	5 W	—	—
3 27	23 52.66	+ 0 48.9	2.560	1.577	4.9	20.6	8 W	—	2*
4 6	0 18.79	+ 4 2.9	2.554	1.580	6.5	20.7	10 W	—	4*
4 16	0 44.88	+ 7 13.3	2.549	1.588	8.2	20.8	13 W	1*	7*
4 26	1 11.00	+10 17.4	2.544	1.598	9.8	20.9	16 W	2*	9*
5 6	1 37.19	+13 12.6	2.538	1.612	11.3	21.0	18 W	4*	11*
5 16	2 3.51	+15 56.6	2.531	1.629	12.9	21.0	21 W	6*	14*
5 26	2 29.93	+18 27.4	2.523	1.649	14.4	21.1	24 W	8*	16*
6 5	2 56.45	+20 43.3	2.512	1.671	15.9	21.2	27 W	10*	18*
6 15	3 23.00	+22 43.0	2.499	1.696	17.4	21.2	30 W	13*	19*
6 25	3 49.47	+24 25.6	2.482	1.723	18.8	21.3	33 W	17*	21*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		315186 Schade				*(continuation)*			
	h m	° ′			°	m	°	°	°
7 5	4 15.75	+25 50.8	2.460	1.751	20.2	21.4	37 W	21*	22*
7 15	4 41.69	+26 58.6	2.434	1.782	21.6	21.4	40 W	26*	23*
7 25	5 7.09	+27 49.7	2.402	1.813	22.9	21.5	44 W	30*	24*
		266084 2006 SN_6							
12 27	19 47.20	−22 25.1	2.857	1.956	9.6	21.3	19 E	7*	11*
1 6	20 11.87	−21 18.2	2.855	1.922	7.6	21.1	15 E	5*	7*
1 16	20 36.82	−19 56.2	2.846	1.889	5.6	21.0	11 E	2*	3*
1 26	21 1.92	−18 19.5	2.831	1.857	3.6	20.8	7 E	—	—
2 5	21 27.11	−16 28.8	2.810	1.826	1.7	20.7	3 E	—	—
2 15	21 52.34	−14 25.1	2.784	1.797	0.9	20.5	2 W	—	—
2 25	22 17.56	−12 9.7	2.754	1.770	2.6	20.6	5 W	—	—
3 7	22 42.78	− 9 44.2	2.722	1.744	4.5	20.7	8 W	—	2*
3 17	23 8.00	− 7 10.3	2.687	1.722	6.4	20.7	11 W	—	5*
3 27	23 33.26	− 4 30.0	2.650	1.701	8.3	20.7	14 W	—	8*
4 6	23 58.60	− 1 45.7	2.613	1.683	10.1	20.8	17 W	—	11*
4 16	0 24.06	+ 1 0.4	2.575	1.669	11.9	20.8	20 W	—	14*
4 26	0 49.69	+ 3 45.8	2.537	1.657	13.6	20.8	23 W	1*	17*
5 6	1 15.53	+ 6 27.9	2.500	1.648	15.3	20.8	26 W	3*	19*
5 16	1 41.61	+ 9 4.4	2.462	1.643	16.9	20.8	28 W	4*	22*
5 26	2 7.94	+11 32.5	2.425	1.641	18.5	20.9	31 W	7*	24*
6 5	2 34.52	+13 50.0	2.388	1.643	20.0	20.9	34 W	9*	26*
6 15	3 1.29	+15 54.9	2.351	1.648	21.5	20.9	36 W	12*	28*
6 25	3 28.17	+17 45.2	2.313	1.656	22.8	20.9	39 W	16*	29*
7 5	3 55.07	+19 19.7	2.275	1.668	24.2	20.9	42 W	20*	30*
7 15	4 21.82	+20 37.4	2.234	1.683	25.4	20.9	45 W	25*	31*
7 25	4 48.25	+21 38.1	2.191	1.700	26.6	21.0	49 W	30*	32*
8 4	5 14.17	+22 22.0	2.145	1.721	27.7	21.0	52 W	35*	32*
8 14	5 39.36	+22 49.8	2.096	1.743	28.8	21.0	56 W	40*	33*
8 24	6 3.59	+23 3.1	2.043	1.768	29.7	21.0	60 W	45*	33*
9 3	6 26.67	+23 3.5	1.986	1.796	30.4	21.0	64 W	50*	34*
9 13	6 48.35	+22 53.5	1.924	1.825	31.0	21.0	69 W	55*	35*
9 23	7 8.41	+22 35.7	1.858	1.855	31.4	20.9	74 W	59*	36*
10 3	7 26.63	+22 12.9	1.788	1.887	31.5	20.9	80 W	63*	38*
10 13	7 42.75	+21 48.5	1.714	1.920	31.2	20.8	86 W	66*	39*
10 23	7 56.48	+21 25.7	1.638	1.954	30.6	20.7	93 W	66	41*
11 2	8 7.51	+21 8.0	1.561	1.989	29.4	20.6	100 W	66	42*
11 12	8 15.44	+20 58.8	1.484	2.025	27.7	20.5	108 W	66	43*
11 22	8 19.92	+21 0.8	1.412	2.061	25.2	20.4	117 W	66	43
12 2	8 20.61	+21 15.9	1.348	2.097	22.0	20.2	127 W	66	43
12 12	8 17.31	+21 44.2	1.296	2.133	17.9	20.0	138 W	67	42
12 22	8 10.24	+22 23.0	1.261	2.170	13.1	19.9	150 W	67	42
12 27	8 5.49	+22 44.7	1.252	2.188	10.4	19.8	156 W	68	41
1 1	8 0.11	+23 7.0	1.248	2.206	7.6	19.6	163 W	68	41
1 6	7 54.27	+23 28.9	1.251	2.225	4.8	19.5	169 W	68	41
1 11	7 48.20	+23 49.6	1.261	2.243	2.2	19.4	175 W	69	40
1 16	7 42.13	+24 8.3	1.278	2.261	1.6	19.4	176 E	69	40
1 21	7 36.26	+24 24.6	1.302	2.279	4.0	19.6	171 E	69	40
		496868 2000 OA_{51}							
12 27	19 48.90	−17 23.1	2.235	1.362	14.9	21.4	21 E	11*	9*
1 1	20 6.36	−16 23.5	2.256	1.375	14.2	21.5	20 E	11*	8*
1 6	20 23.45	−15 18.8	2.279	1.390	13.5	21.5	19 E	11*	6*
1 11	20 40.17	−14 9.7	2.303	1.405	12.8	21.5	18 E	11*	5*
1 16	20 56.51	−12 56.8	2.329	1.423	12.1	21.5	18 E	10*	4*
		133027 2002 XJ_4							
12 27	19 49.38	−30 11.1	2.294	1.414	14.0	20.7	20 E	1*	14*
1 1	20 7.48	−29 27.7	2.302	1.413	13.4	20.6	19 E	1*	13*
1 6	20 25.37	−28 36.2	2.309	1.412	12.8	20.6	19 E	1*	12*
1 11	20 42.99	−27 37.1	2.318	1.412	12.2	20.6	18 E	—	11*
1 16	21 0.33	−26 30.7	2.327	1.413	11.6	20.6	17 E	—	11*
1 21	21 17.34	−25 17.8	2.336	1.415	11.0	20.6	16 E	—	10*
1 26	21 34.00	−23 58.9	2.345	1.418	10.4	20.6	15 E	—	9*
1 31	21 50.31	−22 34.7	2.356	1.421	9.8	20.6	14 E	—	8*
2 5	22 6.26	−21 5.8	2.366	1.425	9.2	20.6	13 E	—	7*
2 10	22 21.87	−19 32.8	2.377	1.430	8.6	20.5	12 E	—	6*
2 15	22 37.13	−17 56.4	2.389	1.435	8.0	20.5	12 E	—	6*
2 20	22 52.06	−16 17.2	2.400	1.441	7.4	20.5	11 E	—	5*
2 25	23 6.68	−14 35.8	2.412	1.448	6.8	20.5	10 E	—	4*
3 2	23 20.99	−12 52.7	2.425	1.455	6.3	20.5	9 E	—	3*
3 7	23 35.04	−11 8.6	2.437	1.463	5.8	20.5	9 E	—	2*
3 12	23 48.83	− 9 23.8	2.449	1.471	5.3	20.5	8 E	—	1*
3 17	0 2.40	− 7 38.8	2.462	1.480	4.9	20.5	7 E	—	—
3 22	0 15.75	− 5 54.1	2.474	1.490	4.7	20.5	7 E	—	—
3 27	0 28.91	− 4 10.1	2.486	1.500	4.5	20.6	7 E	—	—
4 1	0 41.90	− 2 27.1	2.497	1.510	4.5	20.6	7 E	—	—
4 6	0 54.75	− 0 45.3	2.508	1.521	4.7	20.6	7 W	—	—
4 11	1 7.46	+ 0 54.8	2.519	1.532	5.0	20.7	8 W	—	—
4 16	1 20.07	+ 2 33.0	2.529	1.543	5.5	20.7	8 W	—	1*
4 21	1 32.57	+ 4 9.1	2.538	1.555	6.0	20.8	9 W	—	2*

133027 2002 XJ_4 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	1 45.00	+ 5 42.8	2.546	1.567	6.7	20.8	10 W	—	4*
5 1	1 57.35	+ 7 14.0	2.553	1.579	7.4	20.9	12 W	—	5*
5 6	2 9.66	+ 8 42.5	2.559	1.592	8.1	20.9	13 W	—	7*
5 11	2 21.92	+10 8.1	2.564	1.604	8.9	21.0	14 W	—	8*
5 16	2 34.14	+11 30.8	2.568	1.617	9.7	21.0	16 W	—	10*
5 21	2 46.33	+12 50.4	2.570	1.630	10.5	21.1	17 W	—	11*
5 26	2 58.50	+14 6.7	2.571	1.643	11.3	21.1	19 W	—	12*
5 31	3 10.66	+15 19.7	2.571	1.657	12.2	21.2	20 W	1*	14*
6 5	3 22.80	+16 29.5	2.569	1.670	13.0	21.2	22 W	3*	15*
6 10	3 34.93	+17 35.8	2.565	1.683	13.9	21.3	23 W	5*	16*
6 15	3 47.05	+18 38.7	2.560	1.697	14.7	21.3	25 W	6*	18*
6 20	3 59.15	+19 38.1	2.553	1.710	15.6	21.4	27 W	8*	19*
6 25	4 11.23	+20 34.1	2.544	1.723	16.5	21.4	29 W	11*	20*
6 30	4 23.30	+21 26.6	2.533	1.737	17.3	21.4	31 W	13*	21*
7 5	4 35.33	+22 15.7	2.521	1.750	18.2	21.5	32 W	15*	21*
7 10	4 47.34	+23 1.4	2.506	1.763	19.0	21.5	34 W	18*	22*

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 49.52	−17 40.0	3.553	2.657	7.6	21.0	21 E	11*	9*
1 6	20 6.39	−17 13.8	3.574	2.636	5.5	20.9	15 E	7*	4*
1 16	20 23.49	−16 39.7	3.580	2.613	3.3	20.8	9 E	2*	—
1 26	20 40.75	−15 58.0	3.571	2.589	1.3	20.6	3 E	—	—
2 5	20 58.10	−15 9.4	3.546	2.563	1.5	20.6	4 W	—	—
2 15	21 15.51	−14 14.3	3.506	2.537	3.7	20.7	9 W	—	3*
2 25	21 32.92	−13 13.7	3.452	2.509	5.9	20.8	15 W	1*	9*
3 7	21 50.31	−12 8.1	3.383	2.481	8.1	20.8	21 W	3*	15*
3 17	22 7.66	−10 58.5	3.302	2.451	10.4	20.8	26 W	4*	20*
3 27	22 24.97	− 9 45.7	3.209	2.419	12.6	20.8	32 W	6*	26*
4 6	22 42.23	− 8 30.7	3.105	2.387	14.7	20.8	37 W	7*	31*
4 16	22 59.45	− 7 14.6	2.991	2.354	16.8	20.7	43 W	9*	37*
4 26	23 16.62	− 5 58.4	2.868	2.319	18.8	20.7	48 W	10*	42*
5 6	23 33.77	− 4 43.2	2.738	2.284	20.7	20.6	53 W	12*	47*
5 16	23 50.91	− 3 30.4	2.602	2.247	22.6	20.5	59 W	15*	52*
5 26	0 8.02	− 2 21.3	2.461	2.210	24.3	20.4	64 W	17*	56*
6 5	0 25.13	− 1 17.4	2.316	2.171	25.9	20.3	69 W	21*	59*
6 15	0 42.21	− 0 20.3	2.169	2.132	27.3	20.1	74 W	25*	62*
6 25	0 59.23	+ 0 27.8	2.021	2.092	28.5	20.0	80 W	29*	63*
7 5	1 16.17	+ 1 5.2	1.873	2.051	29.6	19.8	85 W	33*	63*
7 15	1 32.93	+ 1 29.2	1.727	2.010	30.4	19.6	90 W	38*	63
7 25	1 49.40	+ 1 37.1	1.584	1.968	30.9	19.4	96 W	42*	62
8 4	2 5.43	+ 1 26.2	1.445	1.926	31.1	19.2	102 W	44*	63
8 14	2 20.77	+ 0 53.1	1.312	1.883	30.9	18.9	108 W	46*	63
8 24	2 35.14	− 0 5.3	1.187	1.841	30.2	18.6	114 W	45	64
9 3	2 48.14	− 1 31.9	1.070	1.799	29.1	18.3	120 W	43	66
9 13	2 59.28	− 3 28.6	0.963	1.757	27.5	18.0	126 W	42	67
9 23	3 8.00	− 5 54.7	0.869	1.716	25.5	17.6	133 W	39	70
9 28	3 11.27	− 7 17.6	0.827	1.695	24.4	17.5	136 W	38	71
10 3	3 13.72	− 8 45.8	0.788	1.675	23.2	17.3	139 W	36	73
10 8	3 15.28	−10 17.8	0.753	1.656	22.2	17.1	141 W	35	74
10 13	3 15.91	−11 51.4	0.722	1.636	21.2	17.0	144 W	33	76
10 18	3 15.63	−13 24.0	0.695	1.617	20.5	16.9	145 W	32	77
10 23	3 14.46	−14 52.8	0.672	1.599	20.1	16.8	146 W	30	79
10 28	3 12.46	−16 14.8	0.653	1.581	20.1	16.7	147 W	29	80
11 2	3 9.74	−17 26.7	0.638	1.564	20.6	16.6	146 W	28	81
11 7	3 6.49	−18 25.4	0.626	1.547	21.5	16.6	145 W	27	82
11 12	3 2.94	−19 8.0	0.618	1.531	22.8	16.6	143 E	26	83
11 17	2 59.36	−19 32.7	0.614	1.515	24.3	16.6	141 E	25	84
11 22	2 56.00	−19 38.6	0.612	1.500	26.0	16.6	138 E	25	84
11 27	2 53.10	−19 25.2	0.613	1.487	27.8	16.6	135 E	26	83
12 2	2 50.87	−18 52.9	0.617	1.474	29.7	16.7	132 E	26	83
12 7	2 49.51	−18 2.6	0.623	1.462	31.5	16.7	129 E	27	82
12 12	2 49.17	−16 55.8	0.631	1.450	33.2	16.8	126 E	28	81
12 17	2 49.92	−15 34.3	0.641	1.440	34.8	16.9	123 E	29	80
12 22	2 51.79	−14 0.2	0.653	1.431	36.2	16.9	121 E	31	78
12 27	2 54.77	−12 15.2	0.666	1.424	37.6	17.0	118 E	33	76
1 1	2 58.84	−10 21.3	0.681	1.417	38.8	17.1	115 E	35	74
1 6	3 3.99	− 8 20.2	0.698	1.411	39.9	17.1	113 E	37	72
1 11	3 10.17	− 6 13.7	0.715	1.407	40.8	17.2	111 E	39	70
1 16	3 17.30	− 4 3.5	0.735	1.404	41.6	17.3	109 E	41	68
1 21	3 25.34	− 1 51.4	0.755	1.402	42.2	17.4	107 E	43	66

308004 2004 RT_{110}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 51.16	−24 43.9	3.505	2.603	7.4	21.3	20 E	6*	12*
1 6	20 8.32	−23 18.1	3.519	2.575	5.3	21.2	14 E	3*	7*
1 16	20 25.54	−21 45.6	3.517	2.547	3.1	21.1	8 E	—	1*
1 26	20 42.74	−20 6.2	3.501	2.518	1.0	20.9	3 E	—	—
2 5	20 59.87	−18 19.8	3.470	2.488	1.6	20.9	4 W	—	—
2 15	21 16.90	−16 26.4	3.425	2.457	3.9	21.0	10 W	—	4*
2 25	21 33.79	−14 26.2	3.367	2.426	6.2	21.0	15 W	—	9*
3 7	21 50.53	−12 19.0	3.295	2.393	8.4	21.1	21 W	3*	15*
3 17	22 7.11	−10 5.1	3.212	2.360	10.7	21.1	26 W	5*	20*

308004 2004 RT_{110} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	22 23.52	− 7 44.5	3.118	2.327	12.9	21.1	31 W	8*	25*
4 6	22 39.77	− 5 17.2	3.015	2.292	15.1	21.0	37 W	10*	30*
4 16	22 55.88	− 2 43.3	2.902	2.257	17.3	21.0	42 W	13*	35*
4 26	23 11.85	− 0 2.7	2.783	2.222	19.3	20.9	47 W	16*	40*
5 6	23 27.71	+ 2 44.8	2.658	2.186	21.3	20.9	52 W	19*	44*
5 16	23 43.47	+ 5 39.3	2.528	2.150	23.2	20.8	57 W	23*	47*
5 26	23 59.16	+ 8 41.0	2.396	2.113	25.0	20.7	62 W	27*	49*
6 5	0 14.79	+11 50.4	2.261	2.077	26.6	20.6	66 W	32*	49*
6 15	0 30.38	+15 7.8	2.126	2.040	28.1	20.4	71 W	38*	48*
6 25	0 45.94	+18 33.5	1.992	2.003	29.5	20.3	76 W	45*	45*
7 5	1 1.47	+22 8.1	1.861	1.967	30.6	20.1	80 W	52*	42
7 15	1 16.94	+25 51.8	1.732	1.931	31.6	20.0	85 W	60*	38
7 25	1 32.30	+29 44.8	1.609	1.895	32.4	19.8	89 W	68*	34
8 4	1 47.51	+33 47.0	1.492	1.860	33.0	19.6	94 W	76*	30
8 14	2 2.39	+37 57.6	1.381	1.826	33.3	19.4	98 W	83*	26
8 19	2 9.65	+40 5.6	1.328	1.810	33.4	19.3	100 W	85	24
8 24	2 16.74	+42 15.1	1.278	1.794	33.4	19.2	103 W	87	22
8 29	2 23.61	+44 25.7	1.230	1.778	33.3	19.1	105 W	89	20
9 3	2 30.21	+46 37.0	1.184	1.762	33.3	19.0	107 W	88	17
9 8	2 36.44	+48 48.3	1.140	1.747	33.1	18.9	109 W	86	15
9 13	2 42.21	+50 59.0	1.098	1.732	32.9	18.8	111 W	84	13
9 18	2 47.43	+53 8.2	1.059	1.718	32.7	18.7	113 W	82	11
9 23	2 51.97	+55 14.9	1.022	1.704	32.4	18.6	115 W	80	9
9 28	2 55.66	+57 18.1	0.988	1.691	32.1	18.5	116 W	78	7
10 3	2 58.32	+59 16.3	0.956	1.679	31.7	18.4	118 W	76	5
10 8	2 59.74	+61 8.0	0.926	1.667	31.3	18.3	120 W	74	3
10 13	2 59.75	+62 51.1	0.899	1.655	30.9	18.2	121 W	72	1
10 18	2 58.19	+64 23.8	0.874	1.644	30.5	18.1	123 W	71	—
10 23	2 55.00	+65 44.0	0.851	1.634	30.1	18.0	124 W	69	—
10 28	2 50.18	+66 49.5	0.830	1.625	29.8	17.9	126 W	68	—
11 2	2 43.96	+67 38.0	0.812	1.616	29.4	17.9	127 W	67	—
11 4	2 41.18	+67 52.2	0.805	1.613	29.2	17.8	127 W	67	—
11 6	2 38.28	+68 3.3	0.799	1.610	29.1	17.8	128 E	67	—
11 8	2 35.31	+68 11.1	0.793	1.607	29.0	17.8	128 E	67	—
11 10	2 32.33	+68 15.7	0.787	1.604	28.8	17.8	129 E	67	—
11 12	2 29.38	+68 17.0	0.782	1.602	28.7	17.8	129 E	67	—
11 14	2 26.52	+68 15.1	0.777	1.599	28.6	17.7	129 E	67	—
11 16	2 23.79	+68 9.9	0.773	1.597	28.5	17.7	130 E	67	—
11 18	2 21.25	+68 1.5	0.769	1.594	28.4	17.7	130 E	67	—
11 20	2 18.93	+67 50.0	0.765	1.592	28.4	17.7	130 E	67	—
11 22	2 16.86	+67 35.4	0.762	1.590	28.3	17.7	130 E	67	—
11 24	2 15.10	+67 17.8	0.759	1.588	28.2	17.7	130 E	68	—
11 26	2 13.65	+66 57.3	0.756	1.586	28.2	17.6	131 E	68	—
11 28	2 12.54	+66 34.0	0.754	1.585	28.2	17.6	131 E	68	—
11 30	2 11.79	+66 8.1	0.752	1.583	28.2	17.6	131 E	69	—
12 2	2 11.41	+65 39.7	0.751	1.582	28.2	17.6	131 E	69	—
12 7	2 12.08	+64 18.5	0.750	1.579	28.3	17.6	131 E	71	—
12 12	2 15.00	+62 45.0	0.751	1.577	28.5	17.6	130 E	72	1
12 17	2 19.97	+61 1.5	0.756	1.576	28.8	17.6	129 E	74	3
12 22	2 26.70	+59 10.1	0.764	1.576	29.2	17.7	128 E	76	5
12 27	2 34.88	+57 12.9	0.774	1.577	29.8	17.7	127 E	78	7
1 1	2 44.26	+55 11.8	0.789	1.579	30.4	17.8	126 E	80	9
1 6	2 54.59	+53 8.7	0.806	1.582	31.0	17.9	124 E	82	11
1 11	3 5.66	+51 5.2	0.827	1.586	31.7	17.9	122 E	84	13
1 16	3 17.28	+49 2.9	0.852	1.590	32.4	18.0	120 E	86	15
1 21	3 29.28	+47 2.9	0.879	1.595	33.1	18.1	118 E	88	17

425537 2010 PE_{45}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	19 51.44	−21 42.5	2.577	1.690	11.7	20.9	20 E	8*	11*
1 6	20 19.84	−19 57.9	2.591	1.676	9.9	20.8	17 E	7*	8*
1 16	20 47.94	−17 55.7	2.603	1.664	8.1	20.7	14 E	5*	4*
1 26	21 15.64	−15 37.8	2.614	1.656	6.3	20.7	11 E	3*	1*
2 5	21 42.86	−13 6.3	2.623	1.650	4.5	20.6	8 E	1*	—
2 15	22 9.60	−10 23.6	2.631	1.648	2.7	20.5	5 E	—	—
2 25	22 35.84	− 7 32.5	2.638	1.649	1.1	20.4	2 E	—	—
3 7	23 1.63	− 4 35.7	2.645	1.654	1.3	20.4	2 W	—	—
3 17	23 27.03	− 1 35.8	2.650	1.661	2.9	20.5	5 W	—	—
3 27	23 52.08	+ 1 24.5	2.654	1.671	4.6	20.6	8 W	—	1*
4 6	0 16.85	+ 4 22.7	2.657	1.685	6.4	20.7	11 W	—	4*
4 16	0 41.42	+ 7 16.6	2.658	1.701	8.1	20.8	14 W	1*	7*
4 26	1 5.81	+10 4.0	2.657	1.720	9.8	20.9	17 W	3*	10*
5 6	1 30.09	+12 43.1	2.653	1.741	11.5	21.0	20 W	5*	13*
5 16	1 54.26	+15 12.3	2.646	1.764	13.1	21.1	23 W	7*	16*
5 26	2 18.32	+17 30.1	2.635	1.789	14.8	21.2	27 W	9*	19*
6 5	2 42.27	+19 35.5	2.619	1.817	16.4	21.3	30 W	12*	21*
6 15	3 6.04	+21 27.8	2.598	1.845	17.9	21.3	34 W	15*	23*
6 25	3 29.55	+23 6.4	2.572	1.875	19.4	21.4	38 W	19*	25*
7 5	3 52.73	+24 31.2	2.539	1.906	20.8	21.5	42 W	24*	27*
7 15	4 15.43	+25 42.3	2.500	1.938	22.2	21.5	46 W	29*	28*