20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	158209 2001 SG_{59}								
	h m	° ′			°	m	°	°	°
12 27	22 23.95	−11 2.9	2.007	1.710	29.3	21.3	58 E	32*	41*
1 6	22 48.50	− 8 51.6	2.098	1.726	27.7	21.3	55 E	33*	36*
1 16	23 12.73	− 6 33.9	2.190	1.743	25.9	21.4	51 E	33*	32*
1 26	23 36.65	− 4 12.2	2.280	1.763	24.1	21.4	47 E	32*	28*
2 5	0 0.26	− 1 48.7	2.369	1.784	22.3	21.5	43 E	31*	24*
	491770 2012 WP_9								
12 27	22 24.03	−15 27.0	2.022	1.698	29.0	21.3	57 E	28*	43*
1 6	22 47.96	−12 45.7	2.078	1.683	27.9	21.3	53 E	29*	38*
1 16	23 12.18	− 9 54.8	2.134	1.672	26.6	21.3	50 E	30*	33*
1 26	23 36.62	− 6 56.5	2.189	1.664	25.2	21.3	46 E	30*	29*
2 5	0 1.24	− 3 53.5	2.243	1.660	23.8	21.3	43 E	29*	26*
2 15	0 26.06	− 0 48.4	2.298	1.661	22.3	21.3	40 E	28*	22*
2 25	0 51.08	+ 2 15.8	2.354	1.665	20.7	21.3	36 E	26*	20*
3 7	1 16.31	+ 5 16.4	2.410	1.673	19.0	21.3	33 E	24*	17*
3 17	1 41.78	+ 8 10.7	2.467	1.684	17.3	21.3	30 E	21*	15*
3 27	2 7.51	+10 56.0	2.524	1.700	15.6	21.3	27 E	18*	13*
4 6	2 33.49	+13 30.0	2.581	1.719	13.8	21.3	24 E	15*	11*
4 16	2 59.71	+15 50.7	2.639	1.741	12.0	21.3	21 E	12*	9*
4 26	3 26.13	+17 56.4	2.695	1.766	10.2	21.3	18 E	9*	7*
5 6	3 52.68	+19 45.8	2.750	1.793	8.3	21.3	15 E	6*	5*
5 16	4 19.28	+21 17.8	2.803	1.823	6.4	21.3	12 E	3*	3*
5 26	4 45.82	+22 32.2	2.853	1.856	4.5	21.3	8 E	—	1*
6 5	5 12.17	+23 28.7	2.899	1.890	2.6	21.3	5 E	—	—
6 15	5 38.22	+24 7.8	2.941	1.926	0.8	21.2	1 E	—	—
6 25	6 3.81	+24 30.2	2.978	1.963	1.4	21.3	3 W	—	—
	68278 2001 FC_7								
12 27	22 24.56	−12 20.8	1.521	1.302	39.8	21.5	58 E	31*	42*
1 1	22 40.23	−10 46.5	1.549	1.308	39.1	21.5	57 E	32*	40*
1 6	22 55.68	− 9 9.8	1.578	1.314	38.4	21.5	56 E	33*	38*
1 11	23 10.93	− 7 31.4	1.607	1.320	37.7	21.5	55 E	34*	36*
1 16	23 26.02	− 5 51.8	1.636	1.326	36.9	21.6	54 E	35*	34*
	213948 2003 WL_{126}								
12 27	22 24.74	− 9 35.9	2.569	2.228	22.2	21.3	59 E	34*	41*
1 6	22 40.31	− 7 54.4	2.629	2.184	21.1	21.2	53 E	33*	34*
1 16	22 56.88	− 6 4.1	2.681	2.140	19.8	21.2	47 E	32*	28*
1 26	23 14.34	− 4 5.5	2.723	2.097	18.3	21.1	42 E	30*	23*
2 5	23 32.62	− 1 59.7	2.756	2.054	16.7	21.1	37 E	27*	18*
2 15	23 51.70	+ 0 12.7	2.781	2.012	15.1	21.0	32 E	23*	14*
2 25	0 11.56	+ 2 30.4	2.796	1.970	13.3	20.9	27 E	20*	11*
3 7	0 32.21	+ 4 52.2	2.805	1.931	11.6	20.8	23 E	16*	8*
3 17	0 53.71	+ 7 16.5	2.806	1.892	9.8	20.7	19 E	12*	5*
3 27	1 16.07	+ 9 41.7	2.801	1.855	8.0	20.5	15 E	8*	3*
4 6	1 39.37	+12 5.7	2.790	1.820	6.2	20.4	11 E	5*	—
4 16	2 3.67	+14 26.4	2.776	1.787	4.5	20.3	8 E	2*	—
4 26	2 29.02	+16 41.2	2.758	1.757	2.8	20.1	5 E	—	—
5 6	2 55.45	+18 47.4	2.737	1.730	1.5	20.0	3 E	—	—
5 16	3 22.98	+20 42.2	2.715	1.706	1.5	19.9	2 W	—	—
5 26	3 51.56	+22 22.6	2.693	1.685	2.8	20.0	5 W	—	—
6 5	4 21.11	+23 45.6	2.670	1.668	4.3	20.0	7 W	—	—
6 15	4 51.48	+24 48.8	2.647	1.655	5.9	20.1	10 W	1*	2*
6 25	5 22.44	+25 30.0	2.626	1.646	7.4	20.1	12 W	3*	3*
7 5	5 53.71	+25 47.8	2.605	1.641	8.9	20.2	15 W	5*	5*
7 15	6 25.01	+25 41.7	2.585	1.640	10.4	20.2	17 W	8*	6*
7 25	6 55.99	+25 12.0	2.566	1.643	11.9	20.2	19 W	10*	8*
8 4	7 26.39	+24 20.0	2.547	1.651	13.3	20.3	22 W	13*	9*
8 14	7 55.95	+23 7.7	2.528	1.663	14.8	20.3	25 W	16*	10*
8 24	8 24.47	+21 37.9	2.508	1.679	16.2	20.4	28 W	19*	11*
9 3	8 51.85	+19 53.3	2.487	1.698	17.6	20.5	31 W	23*	13*
9 13	9 18.00	+17 57.1	2.464	1.721	19.0	20.5	34 W	26*	14*
9 23	9 42.89	+15 52.5	2.437	1.748	20.3	20.6	37 W	29*	16*
10 3	10 6.52	+13 42.3	2.407	1.777	21.7	20.6	41 W	33*	18*
10 13	10 28.90	+11 29.3	2.372	1.809	22.9	20.7	45 W	36*	21*
10 23	10 50.04	+ 9 16.2	2.332	1.843	24.1	20.7	49 W	39*	24*
11 2	11 9.94	+ 7 5.0	2.287	1.879	25.2	20.7	54 W	42*	27*
11 12	11 28.57	+ 4 58.1	2.235	1.917	26.2	20.7	59 W	44*	32*
11 22	11 45.87	+ 2 57.1	2.176	1.957	27.0	20.8	64 W	45*	36*
12 2	12 1.78	+ 1 3.8	2.112	1.998	27.6	20.8	70 W	45*	42*
12 12	12 16.12	− 0 40.1	2.042	2.039	27.9	20.7	76 W	44	48*
12 22	12 28.74	− 2 13.2	1.967	2.082	27.9	20.7	83 W	43	55*
1 1	12 39.39	− 3 34.1	1.888	2.125	27.6	20.6	90 W	41	62*
1 11	12 47.78	− 4 41.2	1.808	2.169	26.7	20.6	98 W	40	67*
1 21	12 53.61	− 5 33.0	1.728	2.213	25.3	20.5	106 W	39	70
	250706 2005 RR_6								
12 27	22 25.11	−10 57.3	1.384	1.210	43.9	21.3	59 E	33*	41*
1 6	22 49.11	− 7 34.2	1.340	1.122	46.0	21.1	55 E	34*	36*
1 16	23 15.91	− 3 41.4	1.284	1.041	48.7	21.0	53 E	36*	31*
1 26	23 45.81	+ 0 42.5	1.218	0.973	52.0	20.8	51 E	38*	28*
2 5	0 19.29	+ 5 36.5	1.144	0.922	55.8	20.6	51 E	40*	25*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	250706 2005 RR_6 *(continuation)*								
	h m	° ′			°	m	°	°	°
2 15	0 57.18	+10 55.7	1.068	0.893	59.7	20.5	51 E	42*	23*
2 25	1 40.63	+16 28.4	0.997	0.889	63.0	20.5	53 E	45*	22*
3 2	2 4.86	+19 13.2	0.965	0.897	64.2	20.5	55 E	46*	22*
3 7	2 30.97	+21 51.9	0.938	0.911	64.9	20.5	56 E	48*	23*
3 12	2 59.06	+24 19.7	0.915	0.932	65.1	20.5	58 E	50*	23*
3 17	3 29.10	+26 30.8	0.899	0.957	64.7	20.5	60 E	52*	24*
3 22	4 0.87	+28 19.3	0.890	0.987	63.9	20.5	63 E	54*	25*
3 27	4 33.91	+29 40.1	0.889	1.021	62.5	20.5	65 E	56*	26*
4 1	5 7.57	+30 29.4	0.896	1.058	60.8	20.6	68 E	58*	28*
4 6	5 41.08	+30 46.2	0.911	1.099	58.8	20.6	70 E	59*	29*
4 11	6 13.69	+30 31.9	0.935	1.141	56.7	20.7	72 E	60*	31*
4 16	6 44.74	+29 50.5	0.967	1.185	54.4	20.8	74 E	61*	32*
4 21	7 13.80	+28 47.0	1.007	1.231	52.2	20.9	75 E	60*	34*
4 26	7 40.66	+27 27.0	1.054	1.278	50.0	21.0	77 E	60*	36*
5 1	8 5.28	+25 55.8	1.107	1.326	47.9	21.1	78 E	58*	38*
5 6	8 27.77	+24 17.6	1.166	1.374	45.9	21.3	78 E	56*	40*
5 11	8 48.33	+22 35.8	1.231	1.423	44.0	21.4	78 E	54*	41*
	168870 2000 WN_6								
12 27	22 25.48	−34 5.9	3.102	2.636	17.4	21.0	53 E	10*	47*
1 6	22 40.29	−32 3.5	3.163	2.605	16.2	21.0	48 E	10*	41*
1 16	22 55.73	−29 57.8	3.214	2.573	14.9	20.9	42 E	10*	36*
1 26	23 11.65	−27 49.1	3.253	2.541	13.6	20.9	37 E	9*	31*
2 5	23 27.98	−25 37.8	3.281	2.507	12.2	20.8	33 E	6*	26*
2 15	23 44.65	−23 24.2	3.298	2.473	10.9	20.7	28 E	4*	22*
2 25	0 1.62	−21 9.0	3.302	2.438	9.7	20.7	25 E	—	19*
3 7	0 18.85	−18 52.5	3.296	2.401	8.7	20.6	22 E	—	15*
3 17	0 36.35	−16 35.4	3.279	2.365	8.1	20.5	19 E	—	12*
3 27	0 54.11	−14 18.2	3.252	2.327	7.8	20.4	18 E	—	8*
4 6	1 12.12	−12 1.6	3.215	2.289	8.0	20.4	19 E	—	5*
4 16	1 30.41	− 9 46.1	3.168	2.250	8.7	20.4	20 W	—	4*
4 26	1 49.00	− 7 32.5	3.113	2.211	9.7	20.3	22 W	—	9*
5 6	2 7.90	− 5 21.2	3.050	2.171	11.0	20.3	24 W	—	13*
5 16	2 27.15	− 3 12.9	2.979	2.131	12.5	20.3	27 W	—	18*
5 26	2 46.76	− 1 8.2	2.902	2.091	14.1	20.2	30 W	—	23*
6 5	3 6.77	+ 0 52.4	2.819	2.050	15.8	20.2	33 W	—	27*
6 15	3 27.20	+ 2 48.5	2.730	2.010	17.6	20.1	37 W	—	31*
6 25	3 48.06	+ 4 39.5	2.636	1.969	19.4	20.1	40 W	3*	34*
7 5	4 9.39	+ 6 25.4	2.538	1.929	21.2	20.0	43 W	9*	37*
7 15	4 31.21	+ 8 5.8	2.436	1.889	23.0	19.9	47 W	15*	39*
7 25	4 53.53	+ 9 40.7	2.331	1.850	24.9	19.8	50 W	21*	40*
8 4	5 16.38	+11 10.3	2.224	1.812	26.7	19.7	53 W	27*	41*
8 14	5 39.78	+12 35.0	2.114	1.776	28.5	19.6	57 W	33*	41*
8 24	6 3.74	+13 55.5	2.003	1.740	30.3	19.5	60 W	39*	41*
9 3	6 28.30	+15 12.6	1.892	1.706	32.0	19.4	64 W	44*	41*
9 13	6 53.50	+16 27.7	1.780	1.675	33.7	19.3	67 W	49*	40*
9 23	7 19.36	+17 42.4	1.670	1.645	35.2	19.1	71 W	54*	39*
10 3	7 45.96	+18 58.7	1.562	1.619	36.6	19.0	75 W	58*	38*
10 13	8 13.31	+20 19.1	1.458	1.595	37.8	18.9	79 W	62*	37*
10 23	8 41.46	+21 46.2	1.358	1.574	38.8	18.7	82 W	65*	36*
11 2	9 10.44	+23 22.9	1.264	1.558	39.5	18.5	86 W	68*	35*
11 12	9 40.19	+25 12.0	1.177	1.545	39.9	18.4	91 W	70	34*
11 22	10 10.59	+27 16.0	1.099	1.536	39.9	18.2	95 W	72	32*
11 27	10 25.97	+28 24.0	1.063	1.533	39.8	18.1	97 W	73	32*
12 2	10 41.41	+29 36.3	1.031	1.531	39.5	18.1	99 W	75	31*
12 7	10 56.84	+30 52.8	1.001	1.530	39.2	18.0	101 W	76	30*
12 12	11 12.18	+32 13.4	0.973	1.530	38.9	17.9	103 W	77	29*
12 17	11 27.37	+33 37.9	0.949	1.531	38.4	17.8	105 W	79	28*
12 22	11 42.29	+35 5.7	0.928	1.534	37.9	17.8	107 W	80	27*
12 27	11 56.84	+36 36.6	0.909	1.537	37.3	17.7	109 W	82	26*
1 1	12 10.88	+38 10.1	0.894	1.542	36.7	17.7	110 W	83	25*
1 6	12 24.26	+39 45.6	0.881	1.547	36.1	17.6	112 W	85	24*
1 11	12 36.81	+41 22.2	0.871	1.554	35.4	17.6	114 W	86	22*
1 16	12 48.41	+42 59.1	0.864	1.561	34.8	17.6	115 W	88	21*
1 21	12 58.88	+44 35.5	0.859	1.569	34.1	17.6	117 W	90	19
	206335 2003 OV_{22}								
12 27	22 25.48	− 7 41.6	1.931	1.671	30.6	19.3	60 E	36*	40*
1 6	22 49.84	− 4 37.3	2.021	1.690	29.0	19.3	57 E	37*	35*
1 16	23 13.96	− 1 32.3	2.112	1.713	27.3	19.4	53 E	38*	30*
1 26	23 37.85	+ 1 31.3	2.206	1.739	25.6	19.5	50 E	38*	25*
2 5	0 1.54	+ 4 31.6	2.301	1.768	23.7	19.6	46 E	36*	22*
2 15	0 25.08	+ 7 26.7	2.396	1.799	21.8	19.6	43 E	34*	18*
2 25	0 48.52	+10 15.1	2.492	1.833	19.9	19.7	39 E	32*	15*
3 7	1 11.88	+12 55.2	2.586	1.869	17.9	19.8	35 E	28*	13*
3 17	1 35.21	+15 26.0	2.679	1.906	15.9	19.8	32 E	25*	10*
3 27	1 58.52	+17 46.2	2.769	1.945	13.9	19.9	28 E	21*	8*
4 6	2 21.83	+19 55.1	2.856	1.986	11.9	19.9	24 E	18*	6*
4 16	2 45.14	+21 52.0	2.938	2.027	9.9	19.9	20 E	14*	3*
4 26	3 8.42	+23 36.3	3.015	2.070	7.9	19.9	16 E	10*	1*
5 6	3 31.64	+25 7.7	3.085	2.113	6.0	19.9	13 E	7*	—

206335 2003 OV_{22} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	3 54.74	+26 26.2	3.148	2.156	4.3	19.9	9 E	3*	—
5 26	4 17.67	+27 31.7	3.203	2.200	3.1	19.9	7 E	—	—
6 5	4 40.33	+28 24.5	3.249	2.244	2.9	20.0	6 W	—	—
6 15	5 2.66	+29 5.2	3.286	2.288	4.0	20.1	9 W	3*	—
6 25	5 24.56	+29 34.2	3.312	2.332	5.5	20.3	13 W	6*	1*
7 5	5 45.93	+29 52.4	3.327	2.375	7.3	20.4	17 W	9*	4*
7 15	6 6.69	+30 0.7	3.331	2.419	9.0	20.5	22 W	14*	7*
7 25	6 26.74	+30 0.3	3.324	2.462	10.8	20.6	27 W	18*	10*
8 4	6 46.00	+29 52.3	3.304	2.505	12.5	20.7	32 W	24*	13*
8 14	7 4.38	+29 38.1	3.273	2.547	14.1	20.8	38 W	29*	15*
8 24	7 21.79	+29 19.2	3.229	2.589	15.6	20.9	43 W	35*	17*
9 3	7 38.14	+28 57.0	3.174	2.630	16.9	20.9	49 W	41*	20*
9 13	7 53.33	+28 33.2	3.107	2.671	18.1	20.9	56 W	48*	22*
9 23	8 7.23	+28 9.5	3.029	2.711	19.1	20.9	62 W	54*	24*
10 3	8 19.74	+27 47.7	2.942	2.750	19.9	20.9	69 W	60*	27*
10 13	8 30.67	+27 29.5	2.847	2.789	20.4	20.9	77 W	66*	29*
10 23	8 39.85	+27 16.8	2.746	2.827	20.5	20.9	84 W	71*	32*
11 2	8 47.05	+27 11.3	2.642	2.864	20.3	20.8	93 W	72	34*
11 12	8 52.03	+27 14.4	2.537	2.900	19.5	20.7	101 W	72	36*
11 22	8 54.52	+27 27.0	2.435	2.936	18.3	20.6	111 W	72	36*
12 2	8 54.31	+27 49.3	2.341	2.971	16.5	20.5	121 W	73	36
12 12	8 51.23	+28 19.8	2.260	3.005	14.2	20.4	132 W	73	36
12 22	8 45.31	+28 55.7	2.196	3.038	11.3	20.2	143 W	74	35
12 27	8 41.37	+29 14.3	2.173	3.055	9.7	20.1	148 W	74	35
1 1	8 36.86	+29 32.5	2.156	3.071	8.1	20.1	154 W	75	34
1 6	8 31.86	+29 49.6	2.146	3.087	6.4	20.0	160 W	75	34
1 11	8 26.50	+30 4.9	2.143	3.102	4.8	19.9	165 W	75	34
1 16	8 20.91	+30 17.8	2.148	3.118	3.6	19.9	168 W	75	34
1 21	8 15.24	+30 27.8	2.160	3.133	3.3	19.9	170 W	75	34

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12 27	22 25.81	−17 34.2	3.256	2.837	16.8	19.5	57 E	26*	44*
1 6	22 39.03	−16 11.5	3.408	2.877	15.2	19.6	50 E	26*	37*
1 16	22 52.42	−14 46.7	3.551	2.916	13.4	19.7	43 E	24*	31*
1 26	23 5.91	−13 20.4	3.681	2.955	11.6	19.7	37 E	21*	25*
2 5	23 19.42	−11 53.5	3.799	2.992	9.7	19.7	31 E	17*	20*
2 15	23 32.92	−10 26.5	3.901	3.029	7.7	19.7	24 E	12*	15*
2 25	23 46.34	− 9 0.1	3.989	3.065	5.8	19.7	18 E	7*	10*
3 7	23 59.65	− 7 35.1	4.061	3.100	4.0	19.7	13 E	1*	6*
3 17	0 12.83	− 6 12.1	4.115	3.133	2.6	19.6	8 E	—	2*
3 27	0 25.82	− 4 51.7	4.153	3.166	2.3	19.7	7 E	—	—
4 6	0 38.60	− 3 34.6	4.174	3.198	3.5	19.8	11 W	—	3*
4 16	0 51.13	− 2 21.2	4.178	3.229	5.1	19.9	17 W	—	10*
4 26	1 3.37	− 1 12.4	4.164	3.259	6.9	20.0	23 W	—	16*
5 6	1 15.26	− 0 8.5	4.134	3.288	8.6	20.1	29 W	—	23*
5 16	1 26.76	+ 0 49.9	4.088	3.317	10.2	20.1	35 W	1*	29*
5 26	1 37.79	+ 1 42.1	4.027	3.344	11.7	20.2	42 W	5*	36*
6 5	1 48.27	+ 2 27.8	3.951	3.370	13.1	20.2	49 W	9*	42*
6 15	1 58.11	+ 3 6.2	3.862	3.395	14.3	20.2	56 W	15*	48*
6 25	2 7.19	+ 3 37.0	3.762	3.420	15.3	20.2	63 W	20*	53*
7 5	2 15.39	+ 3 59.5	3.652	3.443	16.1	20.2	70 W	27*	57*
7 15	2 22.55	+ 4 13.4	3.534	3.466	16.7	20.1	78 W	33*	59*
7 25	2 28.51	+ 4 18.0	3.410	3.487	16.9	20.1	86 W	40*	60
8 4	2 33.09	+ 4 13.3	3.284	3.508	16.8	20.0	94 W	45*	60
8 14	2 36.10	+ 3 58.7	3.159	3.528	16.3	19.9	103 W	48*	60
8 24	2 37.35	+ 3 34.5	3.038	3.546	15.3	19.8	112 W	49	60
9 3	2 36.72	+ 3 1.2	2.927	3.564	13.9	19.7	122 W	48	61
9 13	2 34.13	+ 2 19.8	2.828	3.581	12.0	19.6	132 W	47	62
9 23	2 29.61	+ 1 32.4	2.749	3.597	9.8	19.4	142 W	47	62
10 3	2 23.39	+ 0 41.6	2.692	3.612	7.2	19.3	153 W	46	63
10 13	2 15.85	− 0 8.7	2.663	3.626	4.8	19.1	162 W	45	64
10 23	2 7.54	− 0 54.4	2.663	3.639	3.5	19.1	167 W	44	65
11 2	1 59.14	− 1 31.7	2.694	3.652	4.7	19.2	162 E	43	66
11 12	1 51.32	− 1 57.5	2.755	3.663	7.1	19.3	153 E	43	66
11 22	1 44.66	− 2 9.8	2.843	3.673	9.5	19.5	142 E	43	66
12 2	1 39.56	− 2 8.4	2.955	3.683	11.6	19.7	131 E	43	66
12 12	1 36.27	− 1 53.9	3.086	3.692	13.2	19.9	121 E	43	66
12 22	1 34.87	− 1 27.5	3.231	3.699	14.4	20.0	111 E	44	65
1 1	1 35.28	− 0 51.2	3.386	3.706	15.1	20.1	101 E	44	64*
1 11	1 37.40	− 0 6.6	3.544	3.712	15.4	20.2	92 E	45	60*
1 21	1 41.06	+ 0 44.6	3.704	3.717	15.2	20.3	83 E	46	54*

66251 1999 GJ_2

12 27	22 26.33	− 9 47.2	1.456	1.275	41.5	19.9	59 E	34*	41*
1 1	22 43.57	− 8 45.2	1.485	1.284	40.8	19.9	59 E	35*	40*
1 6	23 0.56	− 7 39.8	1.515	1.294	40.0	19.9	58 E	35*	38*
1 11	23 17.30	− 6 31.6	1.546	1.304	39.2	20.0	57 E	36*	37*
1 16	23 33.78	− 5 21.1	1.579	1.315	38.4	20.0	56 E	36*	36*
1 21	23 50.03	− 4 9.0	1.612	1.326	37.6	20.1	55 E	36*	35*
1 26	0 6.03	− 2 55.8	1.647	1.338	36.7	20.1	54 E	37*	34*

66251 1999 GJ_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	0 37.38	− 0 28.5	1.718	1.363	35.0	20.2	52 E	37*	32*
2 15	1 7.97	+ 1 57.3	1.792	1.389	33.2	20.3	50 E	36*	30*
2 25	1 37.92	+ 4 18.1	1.868	1.416	31.4	20.4	48 E	35*	29*
3 7	2 7.34	+ 6 30.9	1.946	1.443	29.6	20.4	46 E	33*	28*
3 17	2 36.35	+ 8 33.4	2.024	1.471	27.7	20.5	43 E	31*	26*
3 27	3 5.01	+10 23.7	2.102	1.499	25.9	20.6	41 E	28*	25*
4 6	3 33.38	+12 0.1	2.179	1.527	24.0	20.6	38 E	25*	24*
4 16	4 1.50	+13 21.5	2.255	1.554	22.1	20.7	36 E	22*	23*
4 26	4 29.36	+14 27.1	2.328	1.581	20.2	20.7	33 E	18*	22*
5 6	4 56.93	+15 16.1	2.398	1.607	18.3	20.8	30 E	14*	21*
5 16	5 24.21	+15 48.6	2.465	1.632	16.4	20.8	27 E	10*	19*
5 26	5 51.13	+16 4.5	2.527	1.656	14.5	20.8	24 E	6*	17*
6 5	6 17.65	+16 4.3	2.584	1.679	12.6	20.8	21 E	2*	15*
6 15	6 43.74	+15 48.6	2.635	1.700	10.8	20.8	18 E	—	12*
6 25	7 9.33	+15 18.0	2.681	1.721	8.9	20.8	15 E	—	9*
7 5	7 34.42	+14 33.7	2.719	1.739	7.1	20.8	12 E	—	6*
7 15	7 58.98	+13 36.5	2.751	1.757	5.5	20.8	10 E	—	2*
7 25	8 23.01	+12 27.9	2.775	1.772	4.2	20.7	7 E	—	—
8 4	8 46.52	+11 8.8	2.791	1.786	3.7	20.7	7 W	—	—
8 14	9 9.55	+ 9 40.6	2.798	1.799	4.3	20.8	8 W	—	1*
8 24	9 32.11	+ 8 4.5	2.796	1.810	5.6	20.9	10 W	—	4*
9 3	9 54.25	+ 6 21.9	2.786	1.819	7.3	21.0	13 W	2*	6*
9 13	10 16.03	+ 4 33.7	2.766	1.827	9.2	21.0	17 W	6*	9*
9 23	10 37.49	+ 2 41.5	2.737	1.832	11.2	21.1	21 W	10*	11*
10 3	10 58.69	+ 0 46.4	2.698	1.837	13.1	21.1	25 W	14*	14*
10 13	11 19.70	− 1 10.4	2.650	1.839	15.1	21.2	29 W	18*	16*
10 23	11 40.55	− 3 7.5	2.592	1.840	17.1	21.2	33 W	22*	19*
11 2	12 1.32	− 5 3.7	2.525	1.839	19.1	21.2	37 W	25*	22*
11 12	12 22.04	− 6 57.5	2.450	1.836	21.1	21.2	42 W	27*	26*
11 22	12 42.75	− 8 47.6	2.366	1.831	23.0	21.2	46 W	29*	30*
12 2	13 3.49	−10 32.6	2.274	1.825	24.9	21.1	51 W	30*	35*
12 12	13 24.28	−12 10.8	2.176	1.817	26.7	21.1	56 W	31*	40*
12 22	13 45.09	−13 40.7	2.071	1.807	28.4	21.0	61 W	31*	45*
1 1	14 5.94	−15 0.6	1.960	1.796	29.9	20.9	66 W	30*	51*
1 11	14 26.74	−16 8.6	1.845	1.783	31.4	20.8	71 W	29*	57*
1 21	14 47.43	−17 3.0	1.727	1.769	32.7	20.7	76 W	28	64*

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12 27	22 26.90	−17 35.0	4.667	4.212	11.3	21.3	57 E	26*	44*
1 6	22 34.11	−16 40.1	4.749	4.167	10.2	21.2	49 E	25*	36*
1 16	22 42.11	−15 41.5	4.816	4.122	9.0	21.2	41 E	22*	29*
1 26	22 50.77	−14 39.7	4.865	4.076	7.6	21.1	33 E	18*	22*
2 5	22 59.97	−13 35.3	4.895	4.029	6.1	21.0	26 E	13*	16*
2 15	23 9.64	−12 28.7	4.905	3.981	4.5	20.9	18 E	7*	10*
2 25	23 19.67	−11 20.4	4.896	3.932	3.0	20.8	12 E	1*	5*
3 7	23 29.98	−10 10.9	4.866	3.883	1.8	20.7	7 E	—	1*
3 17	23 40.52	− 9 0.8	4.817	3.833	2.0	20.7	8 W	—	—
3 27	23 51.21	− 7 50.6	4.747	3.782	3.4	20.7	13 W	—	6*
4 6	0 2.00	− 6 40.8	4.660	3.730	5.1	20.7	19 W	—	13*
4 16	0 12.84	− 5 31.9	4.554	3.678	6.9	20.7	26 W	—	19*
4 26	0 23.66	− 4 24.6	4.431	3.624	8.6	20.7	33 W	—	26*
5 6	0 34.43	− 3 19.4	4.294	3.570	10.3	20.7	39 W	3*	33*
5 16	0 45.08	− 2 17.0	4.142	3.515	11.9	20.6	46 W	6*	40*
5 26	0 55.53	− 1 17.9	3.978	3.459	13.5	20.6	53 W	10*	46*
6 5	1 5.72	− 0 22.8	3.803	3.402	14.9	20.5	60 W	15*	52*
6 15	1 15.56	+ 0 27.5	3.619	3.345	16.2	20.4	66 W	20*	57*
6 25	1 24.93	+ 1 12.3	3.428	3.286	17.2	20.3	73 W	26*	60*
7 5	1 33.71	+ 1 50.9	3.233	3.227	18.1	20.1	81 W	32*	62*
7 15	1 41.72	+ 2 22.2	3.035	3.167	18.7	20.0	88 W	38*	62
7 25	1 48.78	+ 2 45.5	2.836	3.106	19.0	19.8	96 W	43*	61
8 4	1 54.66	+ 2 59.9	2.640	3.045	18.9	19.6	104 W	47*	61
8 14	1 59.09	+ 3 4.4	2.449	2.982	18.3	19.4	112 W	48*	61
8 24	2 1.76	+ 2 58.2	2.267	2.919	17.3	19.1	121 W	48	61
9 3	2 2.38	+ 2 41.0	2.096	2.855	15.6	18.8	130 W	48	61
9 13	2 0.66	+ 2 12.8	1.941	2.790	13.3	18.5	140 W	47	62
9 23	1 56.43	+ 1 34.8	1.805	2.725	10.4	18.2	151 W	47	62
10 3	1 49.75	+ 0 49.8	1.692	2.659	6.9	17.9	161 W	46	63
10 8	1 45.59	+ 0 26.0	1.645	2.625	5.3	17.7	166 W	45	64
10 13	1 40.97	+ 0 2.3	1.604	2.592	4.0	17.6	170 W	45	64
10 18	1 36.02	− 0 20.5	1.571	2.559	3.9	17.5	170 W	45	64
10 23	1 30.85	− 0 41.4	1.545	2.525	5.0	17.5	167 E	44	65
10 28	1 25.62	− 0 59.7	1.526	2.491	6.9	17.5	162 E	44	65
11 2	1 20.46	− 1 14.5	1.514	2.457	9.1	17.6	157 E	44	65
11 12	1 11.01	− 1 30.9	1.508	2.389	13.6	17.7	145 E	43	66
11 22	1 3.60	− 1 26.5	1.524	2.321	17.8	17.8	134 E	44	65
12 2	0 58.96	− 1 0.0	1.557	2.253	21.5	17.9	123 E	44	65
12 12	0 57.52	− 0 12.0	1.601	2.185	24.5	18.0	113 E	45	64
12 22	0 59.36	+ 0 55.9	1.653	2.117	26.8	18.0	104 E	46	63*
1 1	1 4.34	+ 2 21.3	1.707	2.050	28.5	18.1	95 E	47	58*
1 11	1 12.28	+ 4 1.9	1.761	1.983	29.7	18.1	88 E	49	53*
1 21	1 22.95	+ 5 55.5	1.812	1.918	30.4	18.1	81 E	51*	47*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		212748 2007 TB_2							
	h m	° ′			°	m	°	°	°
12 27	22 27.34	− 9 47.0	1.948	1.680	30.3	21.4	60 E	34*	41*
1 6	22 51.68	− 7 7.1	2.038	1.696	28.7	21.5	56 E	35*	36*
1 16	23 15.74	− 4 23.6	2.129	1.715	27.0	21.5	52 E	35*	31*
1 26	23 39.53	− 1 38.8	2.220	1.735	25.2	21.6	49 E	35*	27*
2 5	0 3.09	+ 1 5.2	2.310	1.758	23.4	21.6	45 E	34*	24*
		162900 2001 HG_{31}							
12 27	22 27.58	−13 22.1	2.558	2.207	22.3	20.6	58 E	30*	43*
1 6	22 41.87	−11 35.8	2.601	2.142	21.2	20.6	52 E	30*	36*
1 16	22 57.38	− 9 40.1	2.633	2.077	20.0	20.5	46 E	29*	30*
1 26	23 14.02	− 7 35.3	2.653	2.010	18.6	20.4	41 E	27*	24*
2 5	23 31.75	− 5 21.5	2.661	1.943	17.1	20.3	35 E	24*	20*
2 15	23 50.55	− 2 59.0	2.658	1.875	15.5	20.1	30 E	21*	16*
2 25	0 10.45	− 0 28.5	2.645	1.807	13.9	20.0	26 E	17*	12*
3 7	0 31.52	+ 2 9.3	2.622	1.740	12.2	19.8	22 E	14*	9*
3 17	0 53.87	+ 4 53.5	2.591	1.673	10.6	19.7	18 E	10*	6*
3 27	1 17.64	+ 7 42.5	2.553	1.607	9.0	19.5	15 E	7*	4*
4 6	1 43.00	+10 34.3	2.510	1.542	7.5	19.3	12 E	5*	2*
4 16	2 10.18	+13 26.2	2.464	1.481	6.1	19.1	9 E	2*	—
4 26	2 39.38	+16 14.4	2.416	1.422	4.8	18.9	7 E	—	—
5 6	3 10.81	+18 54.1	2.370	1.368	3.8	18.7	5 E	—	—
5 11	3 27.41	+20 8.9	2.347	1.343	3.4	18.6	4 E	—	—
5 16	3 44.63	+21 19.3	2.326	1.319	3.0	18.5	4 E	—	—
5 21	4 2.44	+22 24.4	2.306	1.297	2.8	18.5	4 E	—	—
5 26	4 20.85	+23 23.1	2.287	1.277	2.6	18.4	3 E	—	—
5 31	4 39.82	+24 14.6	2.270	1.259	2.5	18.4	3 E	—	—
6 5	4 59.32	+24 57.9	2.255	1.243	2.5	18.3	3 E	—	—
6 10	5 19.28	+25 32.1	2.242	1.229	2.5	18.3	3 E	—	—
6 15	5 39.63	+25 56.6	2.231	1.218	2.5	18.2	3 E	—	—
6 20	6 0.28	+26 10.5	2.223	1.209	2.6	18.2	3 E	—	—
6 25	6 21.11	+26 13.6	2.217	1.203	2.7	18.2	3 E	—	—
6 30	6 42.03	+26 5.7	2.214	1.200	2.8	18.2	3 E	—	—
7 5	7 2.91	+25 46.6	2.213	1.200	2.8	18.2	3 E	—	—
7 10	7 23.65	+25 16.6	2.215	1.202	2.9	18.2	3 E	—	—
7 15	7 44.14	+24 36.2	2.220	1.207	2.9	18.2	3 E	—	—
7 20	8 4.28	+23 46.1	2.227	1.214	2.9	18.3	3 E	—	—
7 25	8 24.00	+22 47.1	2.237	1.224	2.9	18.3	3 E	—	—
7 30	8 43.24	+21 40.1	2.249	1.237	2.8	18.3	3 E	—	—
8 4	9 1.95	+20 26.1	2.263	1.252	2.8	18.4	3 E	—	—
8 9	9 20.12	+19 6.1	2.280	1.269	2.7	18.4	3 E	—	—
8 14	9 37.72	+17 41.2	2.298	1.288	2.6	18.4	3 E	—	—
8 19	9 54.75	+16 12.4	2.319	1.310	2.6	18.5	3 E	—	—
8 24	10 11.23	+14 40.7	2.340	1.333	2.6	18.6	3 W	—	—
8 29	10 27.16	+13 6.9	2.363	1.357	2.8	18.6	4 W	—	—
9 3	10 42.58	+11 31.8	2.387	1.383	3.0	18.7	4 W	—	—
9 13	11 11.98	+ 8 20.6	2.438	1.439	3.7	18.9	5 W	—	—
9 23	11 39.62	+ 5 11.7	2.489	1.498	4.8	19.1	7 W	1*	—
10 3	12 5.73	+ 2 8.7	2.539	1.561	6.1	19.3	10 W	4*	—
10 13	12 30.51	− 0 46.1	2.586	1.626	7.6	19.5	12 W	6*	—
10 23	12 54.11	− 3 30.8	2.628	1.692	9.2	19.7	16 W	9*	3*
11 2	13 16.67	− 6 4.5	2.663	1.759	10.9	19.8	20 W	12*	6*
11 12	13 38.28	− 8 26.5	2.689	1.827	12.6	20.0	24 W	15*	9*
11 22	13 58.99	−10 36.5	2.707	1.895	14.3	20.2	28 W	18*	14*
12 2	14 18.81	−12 34.5	2.713	1.962	15.9	20.3	33 W	21*	18*
12 12	14 37.73	−14 20.6	2.708	2.030	17.5	20.4	38 W	23*	24*
12 22	14 55.68	−15 55.2	2.691	2.096	19.0	20.5	44 W	24*	30*
1 1	15 12.59	−17 18.9	2.662	2.162	20.3	20.6	50 W	25*	37*
1 11	15 28.33	−18 32.2	2.620	2.226	21.5	20.7	56 W	25*	45*
1 21	15 42.72	−19 35.8	2.568	2.290	22.4	20.7	63 W	25*	52*
		434187 2003 AN_2							
12 27	22 27.63	−29 10.0	1.957	1.600	30.0	21.4	54 E	15*	47*
1 1	22 41.48	−28 6.6	1.989	1.601	29.3	21.4	53 E	15*	45*
1 6	22 55.21	−26 58.9	2.020	1.603	28.7	21.4	51 E	16*	44*
1 11	23 8.83	−25 47.2	2.050	1.605	28.0	21.4	50 E	17*	42*
1 16	23 22.34	−24 31.9	2.080	1.608	27.3	21.4	49 E	17*	40*
1 21	23 35.72	−23 13.4	2.109	1.610	26.6	21.5	47 E	17*	39*
1 26	23 48.98	−21 52.2	2.137	1.613	25.9	21.5	46 E	18*	37*
1 31	0 2.12	−20 28.6	2.165	1.616	25.3	21.5	44 E	18*	36*
2 5	0 15.15	−19 2.9	2.192	1.620	24.6	21.5	43 E	18*	35*
		259601 2003 UF_{274}							
12 27	22 28.13	− 6 31.0	1.846	1.617	32.1	21.2	61 E	37*	40*
1 6	22 53.30	− 4 9.4	1.914	1.615	30.9	21.3	57 E	38*	35*
1 16	23 18.73	− 1 40.5	1.982	1.616	29.6	21.3	54 E	38*	31*
1 26	23 44.35	+ 0 53.3	2.051	1.620	28.1	21.4	51 E	38*	27*
2 5	0 10.11	+ 3 29.1	2.120	1.628	26.6	21.4	48 E	37*	24*
2 15	0 36.04	+ 6 4.2	2.190	1.639	25.0	21.4	44 E	35*	21*
2 25	1 2.13	+ 8 35.8	2.261	1.652	23.3	21.5	41 E	33*	19*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		488267 2016 SM_6							
	h m	° ′			°	m	°	°	°
12 27	22 28.48	+15 2.2	1.661	1.633	34.7	21.0	71 E	58*	28*
1 6	22 50.00	+17 36.5	1.712	1.616	34.2	21.0	68 E	58*	22*
1 16	23 13.41	+20 16.8	1.761	1.604	33.6	21.1	64 E	57*	17*
1 26	23 38.71	+23 0.6	1.808	1.595	32.9	21.1	62 E	55*	14*
2 5	0 5.90	+25 44.0	1.855	1.591	32.1	21.1	59 E	53*	11*
2 15	0 35.00	+28 22.5	1.904	1.592	31.2	21.1	57 E	51*	9*
2 25	1 5.97	+30 51.1	1.955	1.597	30.3	21.2	54 E	48*	7*
3 7	1 38.71	+33 4.3	2.010	1.606	29.2	21.2	52 E	46*	6*
3 17	2 13.00	+34 57.0	2.069	1.620	28.1	21.3	50 E	44*	6*
3 27	2 48.49	+36 24.6	2.133	1.637	26.8	21.3	48 E	42*	6*
4 6	3 24.67	+37 23.7	2.202	1.659	25.4	21.4	45 E	39*	7*
4 16	4 0.99	+37 52.8	2.276	1.683	23.9	21.4	43 E	37*	8*
4 26	4 36.84	+37 51.8	2.354	1.712	22.2	21.5	40 E	34*	8*
		358551 2007 TC_{157}							
12 27	22 28.91	− 8 0.0	1.889	1.646	31.4	20.9	61 E	36*	41*
1 6	22 53.96	− 5 11.7	1.988	1.674	29.6	21.0	57 E	37*	36*
1 16	23 18.48	− 2 22.7	2.090	1.704	27.7	21.1	54 E	38*	31*
1 26	23 42.51	+ 0 25.1	2.192	1.736	25.8	21.2	50 E	37*	27*
2 5	0 6.13	+ 3 9.6	2.296	1.770	23.9	21.3	47 E	36*	23*
2 15	0 29.42	+ 5 49.5	2.398	1.804	21.9	21.3	43 E	34*	20*
2 25	0 52.44	+ 8 23.2	2.500	1.840	19.8	21.4	39 E	31*	17*
3 7	1 15.25	+10 49.7	2.599	1.877	17.7	21.5	35 E	28*	14*
		257803 2000 EC_{75}							
12 27	22 29.49	− 3 12.8	2.125	1.887	27.6	20.0	63 E	40*	39*
1 6	22 46.04	− 0 36.8	2.185	1.850	26.6	20.0	57 E	41*	32*
1 16	23 3.75	+ 2 6.5	2.238	1.815	25.5	20.0	52 E	40*	26*
1 26	23 22.56	+ 4 56.8	2.283	1.781	24.2	20.0	48 E	39*	20*
2 5	23 42.46	+ 7 53.0	2.322	1.748	23.0	19.9	44 E	36*	16*
2 15	0 3.48	+10 54.1	2.354	1.718	21.7	19.9	40 E	33*	12*
2 25	0 25.68	+13 58.4	2.380	1.690	20.4	19.8	36 E	30*	9*
3 7	0 49.16	+17 3.6	2.402	1.664	19.1	19.8	33 E	27*	6*
3 17	1 14.04	+20 7.1	2.419	1.641	17.9	19.7	30 E	24*	3*
3 27	1 40.44	+23 5.6	2.434	1.621	16.7	19.7	28 E	22*	2*
4 6	2 8.48	+25 55.2	2.447	1.604	15.6	19.6	26 E	19*	—
4 16	2 38.26	+28 31.6	2.459	1.591	14.6	19.6	24 E	17*	—
4 26	3 9.77	+30 49.9	2.472	1.581	13.6	19.5	22 E	16*	—
5 6	3 42.90	+32 45.3	2.486	1.576	12.6	19.5	20 E	14*	—
5 16	4 17.44	+34 13.4	2.501	1.574	11.7	19.5	18 E	12*	—
5 26	4 52.97	+35 10.4	2.518	1.576	10.7	19.5	17 E	11*	—
5 31	5 10.95	+35 26.5	2.528	1.579	10.3	19.5	16 E	10*	—
6 5	5 28.97	+35 34.1	2.538	1.582	9.8	19.5	15 E	9*	—
6 10	5 46.95	+35 33.3	2.548	1.587	9.3	19.5	15 E	9*	—
6 15	6 4.83	+35 24.0	2.560	1.593	8.8	19.5	14 E	8*	—
6 20	6 22.53	+35 6.5	2.571	1.599	8.4	19.4	13 E	7*	—
6 25	6 39.97	+34 41.1	2.583	1.606	7.9	19.4	13 E	6*	—
6 30	6 57.11	+34 8.2	2.595	1.614	7.5	19.5	12 E	6*	—
7 5	7 13.89	+33 28.3	2.608	1.623	7.1	19.5	11 E	5*	—
7 15	7 46.25	+31 49.2	2.633	1.644	6.4	19.5	10 E	3*	—
7 25	8 16.84	+29 48.2	2.658	1.667	6.1	19.5	10 W	2*	—
8 4	8 45.60	+27 29.8	2.681	1.693	6.2	19.6	10 W	3*	—
8 14	9 12.58	+24 58.0	2.702	1.722	6.8	19.6	12 W	5*	—
8 24	9 37.89	+22 16.6	2.719	1.753	7.8	19.7	14 W	8*	—
9 3	10 1.65	+19 28.8	2.732	1.786	9.1	19.9	16 W	10*	—
9 13	10 24.04	+16 37.1	2.738	1.820	10.6	20.0	19 W	13*	2*
9 23	10 45.16	+13 43.8	2.738	1.856	12.2	20.1	23 W	17*	4*
10 3	11 5.16	+10 50.5	2.730	1.892	13.8	20.2	27 W	20*	8*
10 13	11 24.12	+ 7 58.6	2.714	1.930	15.5	20.2	31 W	24*	11*
10 23	11 42.13	+ 5 9.4	2.688	1.968	17.2	20.3	36 W	28*	15*
11 2	11 59.22	+ 2 23.5	2.653	2.007	18.8	20.4	41 W	31*	19*
11 12	12 15.40	− 0 18.3	2.608	2.046	20.3	20.4	46 W	34*	24*
11 22	12 30.64	− 2 55.6	2.554	2.086	21.7	20.5	51 W	36*	30*
12 2	12 44.89	− 5 28.0	2.490	2.125	23.0	20.5	57 W	37*	36*
12 12	12 58.04	− 7 55.3	2.417	2.164	24.0	20.5	63 W	36*	44*
12 22	13 9.93	−10 17.2	2.336	2.204	24.8	20.5	70 W	35*	52*
1 1	13 20.36	−12 33.8	2.249	2.242	25.3	20.5	77 W	32	60*
1 11	13 29.07	−14 44.7	2.156	2.281	25.4	20.4	84 W	30	69*
1 21	13 35.72	−16 49.7	2.061	2.319	25.1	20.4	92 W	28	78*
		339072 2004 QK_{13}							
12 27	22 32.45	+ 2 57.5	2.299	2.101	25.3	20.4	66 E	47*	36*
1 6	22 46.12	+ 5 1.1	2.364	2.057	24.5	20.4	60 E	46*	29*
1 16	23 1.16	+ 7 14.0	2.419	2.014	23.4	20.3	55 E	44*	22*
1 26	23 17.49	+ 9 35.8	2.465	1.972	22.3	20.3	49 E	42*	17*
2 5	23 35.07	+12 5.9	2.501	1.930	21.1	20.3	45 E	38*	12*
2 15	23 53.91	+14 43.3	2.529	1.889	19.8	20.2	40 E	34*	8*
2 25	0 14.06	+17 26.8	2.548	1.850	18.6	20.1	37 E	31*	4*
3 7	0 35.60	+20 14.6	2.560	1.813	17.4	20.0	33 E	27*	1*
3 17	0 58.70	+23 4.4	2.566	1.777	16.3	20.0	30 E	24*	—

339072 2004 QK_{13} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	1 23.48	+25 53.4	2.566	1.744	15.3	19.9	28 E	21*	—
4 6	1 50.11	+28 37.8	2.564	1.713	14.5	19.8	25 E	18*	—
4 16	2 18.78	+31 13.3	2.559	1.686	13.7	19.8	23 E	16*	—
4 26	2 49.56	+33 34.9	2.553	1.661	13.0	19.7	22 E	14*	—
5 6	3 22.48	+35 36.7	2.548	1.640	12.4	19.6	20 E	13*	—
5 11	3 39.70	+36 28.4	2.546	1.631	12.1	19.6	20 E	12*	—
5 16	3 57.38	+37 13.0	2.544	1.623	11.8	19.6	19 E	12*	—
5 21	4 15.47	+37 49.8	2.543	1.616	11.5	19.6	18 E	11*	—
5 26	4 33.90	+38 18.3	2.543	1.609	11.2	19.6	18 E	11*	—
5 31	4 52.59	+38 37.9	2.543	1.604	10.9	19.5	17 E	10*	—
6 5	5 11.45	+38 48.4	2.544	1.600	10.6	19.5	17 E	10*	—
6 10	5 30.40	+38 49.4	2.546	1.598	10.3	19.5	16 E	9*	—
6 15	5 49.31	+38 40.9	2.549	1.596	10.0	19.5	16 E	8*	—
6 20	6 8.11	+38 23.0	2.553	1.595	9.7	19.5	15 E	8*	—
6 25	6 26.68	+37 55.9	2.557	1.596	9.3	19.5	15 E	7*	—
6 30	6 44.94	+37 20.0	2.562	1.597	9.0	19.5	14 E	7*	—
7 5	7 2.84	+36 35.5	2.568	1.600	8.8	19.5	14 E	6*	—
7 10	7 20.30	+35 43.3	2.575	1.604	8.5	19.5	13 E	5*	—
7 15	7 37.28	+34 43.8	2.581	1.608	8.3	19.5	13 E	5*	—
7 20	7 53.74	+33 37.7	2.589	1.614	8.1	19.5	13 W	5*	—
7 25	8 9.66	+32 25.6	2.596	1.621	8.0	19.5	13 W	5*	—
8 4	8 39.91	+29 46.4	2.611	1.638	8.0	19.5	13 W	6*	—
8 14	9 8.05	+26 51.1	2.625	1.659	8.4	19.6	14 W	7*	—
8 24	9 34.23	+23 44.4	2.637	1.683	9.1	19.6	15 W	9*	—
9 3	9 58.64	+20 30.1	2.646	1.711	10.2	19.7	17 W	11*	—
9 13	10 21.46	+17 11.2	2.650	1.741	11.5	19.8	20 W	14*	2*
9 23	10 42.88	+13 50.2	2.649	1.774	13.0	19.9	23 W	17*	5*
10 3	11 3.06	+10 29.0	2.641	1.809	14.6	20.0	27 W	20*	8*
10 13	11 22.13	+ 7 9.0	2.626	1.847	16.3	20.1	31 W	24*	12*
10 23	11 40.18	+ 3 51.3	2.603	1.886	17.9	20.2	36 W	27*	16*
11 2	11 57.28	+ 0 36.6	2.572	1.926	19.5	20.3	40 W	30*	21*
11 12	12 13.46	− 2 34.7	2.532	1.968	21.0	20.3	45 W	32*	26*
11 22	12 28.67	− 5 42.2	2.483	2.010	22.4	20.4	51 W	34*	32*
12 2	12 42.90	− 8 45.9	2.426	2.053	23.6	20.4	57 W	34*	38*
12 12	12 56.01	−11 45.7	2.360	2.097	24.6	20.4	63 W	33*	46*
12 22	13 7.85	−14 41.7	2.288	2.141	25.4	20.4	69 W	30*	54*
1 1	13 18.22	−17 34.2	2.209	2.186	25.9	20.4	76 W	27	63*
1 11	13 26.82	−20 23.0	2.127	2.230	26.0	20.4	83 W	25	72*
1 21	13 33.30	−23 7.7	2.042	2.274	25.6	20.3	90 W	22	82*

406803 2008 UX_{64}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 32.84	− 2 18.6	2.171	1.948	26.9	20.7	64 E	42*	39*
1 6	22 52.30	− 1 0.6	2.221	1.904	26.2	20.7	59 E	41*	33*
1 16	23 12.98	+ 0 29.4	2.267	1.863	25.2	20.7	54 E	40*	28*
1 26	23 34.77	+ 2 10.0	2.308	1.825	24.1	20.6	49 E	38*	24*
2 5	23 57.58	+ 3 58.9	2.344	1.790	23.0	20.6	45 E	35*	21*
2 15	0 21.37	+ 5 54.2	2.378	1.758	21.7	20.6	41 E	32*	18*
2 25	0 46.09	+ 7 53.2	2.409	1.731	20.3	20.5	37 E	29*	16*
3 7	1 11.71	+ 9 53.1	2.438	1.708	19.0	20.5	34 E	26*	14*
3 17	1 38.20	+11 50.8	2.466	1.689	17.5	20.4	31 E	23*	13*
3 27	2 5.53	+13 43.2	2.494	1.676	16.1	20.4	28 E	20*	11*
4 6	2 33.60	+15 27.2	2.522	1.667	14.6	20.3	25 E	17*	10*
4 16	3 2.36	+16 59.6	2.551	1.664	13.1	20.3	22 E	14*	9*
4 26	3 31.65	+18 17.8	2.582	1.667	11.6	20.3	19 E	10*	8*
5 6	4 1.30	+19 19.3	2.614	1.674	10.0	20.3	17 E	7*	7*
5 16	4 31.12	+20 2.6	2.648	1.687	8.5	20.2	14 E	4*	6*
5 26	5 0.89	+20 26.4	2.684	1.704	6.9	20.2	12 E	1*	5*
6 5	5 30.36	+20 30.6	2.720	1.727	5.4	20.2	9 E	—	3*
6 15	5 59.33	+20 15.4	2.758	1.753	3.9	20.2	7 E	—	1*
6 25	6 27.58	+19 41.9	2.795	1.784	2.7	20.2	5 E	—	—
7 5	6 54.96	+18 51.6	2.831	1.818	2.2	20.2	4 W	—	—
7 15	7 21.35	+17 46.3	2.866	1.856	2.9	20.3	5 W	—	—
7 25	7 46.66	+16 28.1	2.898	1.897	4.2	20.5	8 W	—	2*
8 4	8 10.86	+14 59.0	2.926	1.940	5.8	20.6	11 W	—	5*
8 14	8 33.92	+13 21.0	2.949	1.985	7.4	20.8	15 W	3*	8*
8 24	8 55.85	+11 36.3	2.966	2.033	9.1	20.9	18 W	7*	10*
9 3	9 16.67	+ 9 46.6	2.977	2.082	10.7	21.0	23 W	11*	13*
9 13	9 36.40	+ 7 53.6	2.980	2.132	12.4	21.2	27 W	16*	16*
9 23	9 55.05	+ 5 58.8	2.974	2.184	13.9	21.3	32 W	20*	19*
10 3	10 12.64	+ 4 3.7	2.958	2.236	15.5	21.4	37 W	24*	22*
10 13	10 29.17	+ 2 9.6	2.933	2.289	16.9	21.4	42 W	29*	26*

149537 2003 GE_{42}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 33.23	−14 25.3	2.615	2.276	21.8	19.5	59 E	30*	44*
1 6	22 51.22	−13 37.0	2.763	2.319	20.0	19.6	54 E	29*	39*
1 16	23 9.03	−12 40.6	2.905	2.361	18.0	19.7	48 E	27*	34*
1 26	23 26.66	−11 38.1	3.039	2.404	16.0	19.8	42 E	25*	29*
2 5	23 44.07	−10 31.6	3.163	2.446	14.0	19.8	37 E	21*	25*
2 15	0 1.29	− 9 22.5	3.277	2.488	11.9	19.9	31 E	17*	21*
2 25	0 18.29	− 8 12.5	3.380	2.530	10.0	19.9	26 E	13*	17*
3 7	0 35.08	− 7 3.0	3.470	2.570	8.1	19.9	21 E	8*	14*

149537 2003 GE_{42} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	0 51.67	− 5 55.0	3.547	2.611	6.3	19.9	17 E	2*	11*
3 27	1 8.05	− 4 50.0	3.611	2.651	5.0	19.9	13 E	—	7*
4 6	1 24.22	− 3 48.8	3.661	2.690	4.4	20.0	12 E	—	4*
4 16	1 40.16	− 2 52.6	3.697	2.728	4.7	20.0	13 E	—	1*
4 26	1 55.85	− 2 2.1	3.719	2.766	5.8	20.1	16 W	—	5*
5 6	2 11.27	− 1 18.3	3.727	2.803	7.2	20.2	20 W	—	11*
5 16	2 26.39	− 0 42.0	3.721	2.840	8.8	20.3	25 W	—	17*
5 26	2 41.16	− 0 13.9	3.701	2.876	10.3	20.4	31 W	—	23*
6 5	2 55.53	+ 0 5.3	3.668	2.911	11.8	20.5	36 W	—	30*
6 15	3 9.44	+ 0 15.0	3.623	2.945	13.3	20.5	42 W	—	36*
6 25	3 22.78	+ 0 14.5	3.566	2.978	14.6	20.6	48 W	5*	42*
7 5	3 35.49	+ 0 3.4	3.497	3.011	15.8	20.6	54 W	10*	47*
7 15	3 47.43	− 0 18.9	3.419	3.042	16.8	20.6	60 W	16*	52*
7 25	3 58.47	− 0 52.9	3.333	3.073	17.6	20.6	67 W	22*	57*
8 4	4 8.48	− 1 38.5	3.240	3.103	18.2	20.6	73 W	28*	61*
8 14	4 17.27	− 2 36.2	3.141	3.133	18.6	20.5	80 W	33*	65*
8 24	4 24.65	− 3 45.4	3.040	3.161	18.6	20.5	87 W	37*	67*
9 3	4 30.43	− 5 5.7	2.939	3.189	18.4	20.4	95 W	39*	69
9 13	4 34.38	− 6 35.8	2.841	3.215	17.8	20.3	103 W	38*	71
9 23	4 36.31	− 8 13.5	2.749	3.241	16.8	20.2	111 W	37	72
10 3	4 36.07	− 9 55.8	2.667	3.266	15.6	20.2	119 W	35	74
10 13	4 33.58	−11 38.2	2.599	3.290	14.1	20.1	126 W	33	76
10 18	4 31.51	−12 27.6	2.572	3.302	13.4	20.0	130 W	33	76
10 23	4 28.91	−13 15.0	2.549	3.314	12.6	20.0	134 W	32	77
10 28	4 25.84	−13 59.4	2.532	3.325	11.8	19.9	137 W	31	78
11 2	4 22.33	−14 40.0	2.520	3.336	11.2	19.9	139 W	30	79
11 7	4 18.46	−15 16.2	2.515	3.347	10.6	19.9	141 W	30	79
11 12	4 14.31	−15 47.0	2.515	3.358	10.3	19.9	143 W	29	80
11 22	4 5.51	−16 30.8	2.535	3.379	10.1	19.9	143 W	28	81
12 2	3 56.71	−16 48.9	2.581	3.399	10.7	20.0	140 E	28	81
12 12	3 48.67	−16 40.9	2.651	3.418	11.8	20.1	135 E	28	81
12 22	3 42.02	−16 9.4	2.742	3.436	13.0	20.2	128 E	29	80
1 1	3 37.17	−15 18.3	2.852	3.453	14.2	20.4	120 E	30	79
1 11	3 34.33	−14 12.1	2.976	3.470	15.2	20.5	112 E	31	78
1 21	3 33.54	−12 55.7	3.111	3.485	15.9	20.6	104 E	32	77

66008 1998 QH_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 33.33	−22 31.0	2.293	1.942	25.1	20.4	57 E	22*	47*
1 6	22 49.25	−22 30.1	2.402	1.937	23.2	20.4	51 E	20*	41*
1 16	23 5.87	−22 17.8	2.495	1.930	21.2	20.4	45 E	18*	36*
1 26	23 23.13	−21 56.5	2.570	1.920	19.2	20.4	40 E	15*	32*
2 5	23 40.99	−21 28.1	2.628	1.907	17.3	20.4	35 E	12*	28*
2 15	23 59.46	−20 54.4	2.668	1.892	15.6	20.4	31 E	8*	25*
2 25	0 18.57	−20 16.8	2.689	1.873	14.3	20.3	28 E	3*	22*
3 7	0 38.36	−19 36.7	2.694	1.852	13.5	20.3	26 E	—	20*
3 17	0 58.92	−18 55.2	2.681	1.827	13.2	20.2	25 E	—	17*
3 27	1 20.31	−18 13.4	2.654	1.800	13.6	20.2	25 E	—	16*
4 6	1 42.66	−17 32.2	2.613	1.770	14.4	20.1	26 E	—	14*
4 16	2 6.08	−16 52.4	2.560	1.738	15.7	20.1	28 E	—	12*
4 26	2 30.71	−16 14.7	2.498	1.702	17.2	20.0	30 E	—	11*
5 6	2 56.67	−15 39.6	2.429	1.663	18.8	20.0	32 E	—	9*
5 16	3 24.11	−15 7.4	2.356	1.622	20.5	19.9	34 W	—	10*
5 26	3 53.11	−14 38.1	2.282	1.579	22.1	19.8	36 W	—	13*
6 5	4 23.74	−14 11.3	2.210	1.532	23.7	19.8	37 W	—	16*
6 15	4 56.00	−13 46.4	2.143	1.483	25.0	19.7	38 W	—	18*
6 25	5 29.78	−13 22.4	2.083	1.432	26.1	19.6	38 W	—	20*
7 5	6 4.90	−12 57.4	2.032	1.379	26.9	19.4	38 W	—	21*
7 15	6 41.10	−12 29.9	1.992	1.325	27.3	19.3	37 W	—	21*
7 25	7 18.00	−11 57.9	1.962	1.269	27.2	19.2	35 W	—	21*
8 4	7 55.29	−11 19.3	1.943	1.213	26.6	19.1	32 W	—	20*
8 14	8 32.65	−10 32.6	1.930	1.158	25.3	18.9	29 W	—	19*
8 24	9 9.87	− 9 36.0	1.922	1.104	23.5	18.7	26 W	—	17*
9 3	9 46.92	− 8 28.3	1.916	1.053	21.2	18.6	22 W	—	15*
9 13	10 23.91	− 7 8.9	1.908	1.006	18.6	18.4	19 W	—	12*
9 23	11 1.08	− 5 37.5	1.894	0.967	16.3	18.2	16 W	—	10*
10 3	11 38.82	− 3 54.9	1.874	0.936	15.2	18.1	14 W	4*	7*
10 13	12 17.59	− 2 3.2	1.846	0.916	16.1	18.0	15 W	8*	4*
10 23	12 57.85	− 0 5.6	1.812	0.909	18.8	18.0	17 W	11*	—
11 2	13 39.96	+ 1 53.3	1.776	0.914	22.3	18.1	20 W	14*	—
11 7	14 1.76	+ 2 51.6	1.760	0.922	24.0	18.2	22 W	16*	—
11 12	14 24.04	+ 3 48.2	1.745	0.932	25.6	18.2	24 W	17*	—
11 17	14 46.75	+ 4 42.5	1.732	0.945	27.1	18.3	26 W	18*	—
11 22	15 9.82	+ 5 33.7	1.724	0.961	28.2	18.3	27 W	19*	—
12 2	15 56.64	+ 7 5.0	1.719	1.000	29.8	18.5	30 W	21*	—
12 12	16 43.46	+ 8 19.6	1.734	1.045	30.3	18.6	32 W	22*	—
12 22	17 29.07	+ 9 17.5	1.770	1.095	29.8	18.7	34 W	23*	—
1 1	18 12.49	+10 0.7	1.824	1.149	28.6	18.9	34 W	24*	—
1 11	18 53.02	+10 33.4	1.894	1.204	26.8	19.0	34 W	24*	—
1 21	19 30.36	+10 59.4	1.972	1.260	24.9	19.1	33 W	23*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		413260 2003 TL_4							
	h m	° ′			°	m	°	°	°
12 27	22 33.40	−13 10.1	0.669	0.867	78.5	21.0	60 E	31*	44*
1 1	22 44.17	−13 33.0	0.659	0.834	81.5	20.9	57 E	30*	42*
1 6	22 53.94	−14 2.2	0.645	0.799	85.1	20.9	54 E	29*	39*
1 11	23 2.36	−14 40.5	0.626	0.762	89.6	21.0	51 E	27*	37*
1 16	23 8.84	−15 31.3	0.604	0.724	95.3	21.0	47 E	25*	35*
1 21	23 12.54	−16 38.4	0.577	0.684	102.2	21.1	43 E	21*	32*
1 26	23 12.24	−18 4.8	0.549	0.644	111.0	21.4	38 E	17*	28*
		459386 2012 KJ_{11}							
12 27	22 33.52	+34 18.2	1.326	1.547	39.1	20.0	83 E	76*	15*
1 1	22 47.70	+35 13.5	1.395	1.587	37.8	20.1	82 E	75*	13*
1 6	23 1.71	+36 5.7	1.465	1.625	36.7	20.3	81 E	75*	12*
1 11	23 15.61	+36 55.1	1.535	1.662	35.5	20.4	79 E	73*	10*
1 16	23 29.41	+37 42.4	1.605	1.699	34.5	20.5	78 E	72*	9*
1 21	23 43.14	+38 27.8	1.676	1.734	33.5	20.6	76 E	70*	8*
1 26	23 56.81	+39 11.4	1.747	1.768	32.5	20.7	75 E	68*	7*
1 31	0 10.43	+39 53.3	1.817	1.802	31.6	20.8	73 E	66*	5*
2 5	0 24.02	+40 33.7	1.888	1.834	30.7	20.9	72 E	64*	5*
2 10	0 37.60	+41 12.5	1.958	1.866	29.8	21.0	70 E	62*	4*
2 15	0 51.17	+41 49.8	2.028	1.897	28.9	21.1	68 E	60*	3*
2 20	1 4.73	+42 25.6	2.098	1.926	28.0	21.2	66 E	58*	2*
2 25	1 18.30	+42 59.8	2.167	1.955	27.2	21.3	64 E	56*	2*
3 2	1 31.87	+43 32.4	2.235	1.983	26.3	21.3	63 E	54*	1*
3 7	1 45.45	+44 3.2	2.303	2.010	25.5	21.4	61 E	52*	1*
3 12	1 59.04	+44 32.1	2.369	2.036	24.6	21.5	59 E	50*	—
		30825 1990 TG_1							
12 27	22 33.88	− 5 49.5	2.359	2.096	24.6	19.3	63 E	38*	41*
1 6	22 52.31	− 4 24.4	2.551	2.180	22.3	19.5	57 E	38*	35*
1 16	23 9.93	− 2 57.7	2.738	2.262	19.9	19.7	52 E	36*	30*
1 26	23 26.86	− 1 30.1	2.918	2.341	17.6	19.8	46 E	34*	24*
2 5	23 43.21	− 0 2.5	3.088	2.418	15.2	19.9	40 E	30*	20*
2 15	23 59.06	+ 1 24.5	3.248	2.493	12.8	20.0	34 E	25*	15*
2 25	0 14.47	+ 2 50.2	3.395	2.565	10.5	20.1	28 E	20*	11*
3 7	0 29.47	+ 4 14.0	3.527	2.635	8.2	20.1	22 E	15*	8*
3 17	0 44.11	+ 5 35.4	3.645	2.703	5.8	20.1	16 E	9*	4*
3 27	0 58.39	+ 6 53.8	3.746	2.768	3.5	20.1	10 E	3*	—
4 6	1 12.31	+ 8 8.9	3.830	2.832	1.3	20.1	4 E	—	—
4 16	1 25.88	+ 9 20.2	3.896	2.894	0.9	20.1	3 W	—	—
4 26	1 39.07	+10 27.3	3.943	2.953	3.0	20.3	9 W	—	3*
5 6	1 51.85	+11 29.8	3.972	3.011	5.1	20.5	15 W	—	9*
5 16	2 4.19	+12 27.5	3.983	3.067	7.0	20.7	22 W	3*	15*
5 26	2 16.03	+13 20.0	3.975	3.122	8.9	20.8	28 W	6*	22*
6 5	2 27.31	+14 7.1	3.949	3.174	10.6	20.9	35 W	11*	27*
6 15	2 37.95	+14 48.6	3.906	3.225	12.2	20.9	42 W	16*	33*
6 25	2 47.84	+15 24.1	3.846	3.274	13.6	21.0	49 W	22*	37*
7 5	2 56.87	+15 53.5	3.772	3.321	14.8	21.0	57 W	28*	41*
7 15	3 4.91	+16 16.6	3.685	3.367	15.8	21.0	64 W	36*	44*
7 25	3 11.80	+16 33.0	3.586	3.411	16.4	21.0	72 W	43*	46*
8 4	3 17.36	+16 42.5	3.479	3.454	16.8	21.0	80 W	50*	47*
8 14	3 21.39	+16 44.8	3.365	3.495	16.8	20.9	89 W	57*	47
8 24	3 23.71	+16 39.4	3.250	3.534	16.5	20.9	98 W	61*	47
9 3	3 24.14	+16 26.1	3.136	3.572	15.6	20.8	108 W	61	48
9 13	3 22.53	+16 4.5	3.029	3.609	14.3	20.7	118 W	61	48
9 23	3 18.82	+15 34.4	2.934	3.644	12.5	20.6	128 W	61	48
10 3	3 13.10	+14 56.1	2.857	3.678	10.1	20.5	140 W	60	49
10 13	3 5.59	+14 10.4	2.803	3.710	7.4	20.3	151 W	59	50
10 23	2 56.77	+13 19.4	2.776	3.741	4.3	20.2	164 W	58	51
11 2	2 47.24	+12 25.8	2.781	3.770	1.3	20.0	175 W	57	52
11 12	2 37.73	+11 33.1	2.819	3.798	2.5	20.1	170 E	57	52
11 22	2 28.93	+10 45.2	2.889	3.825	5.4	20.4	158 E	56	53
12 2	2 21.43	+10 5.2	2.990	3.851	8.1	20.6	147 E	55	54
12 12	2 15.61	+ 9 35.1	3.116	3.875	10.4	20.8	135 E	55	54
12 22	2 11.69	+ 9 16.1	3.264	3.898	12.1	21.0	124 E	54	55
1 1	2 9.69	+ 9 8.2	3.428	3.919	13.3	21.1	113 E	54	55
1 11	2 9.54	+ 9 10.5	3.602	3.939	14.1	21.3	103 E	54	54*
1 21	2 11.09	+ 9 21.9	3.780	3.958	14.4	21.4	93 E	54	51*
		54401 2000 LM							
12 27	22 34.87	+ 3 51.5	1.542	1.469	38.0	20.4	67 E	48*	36*
1 6	23 5.66	+ 5 8.8	1.639	1.503	36.1	20.5	64 E	48*	33*
1 16	23 35.36	+ 6 30.5	1.742	1.538	34.2	20.7	62 E	47*	30*
1 26	0 4.04	+ 7 54.6	1.848	1.574	32.2	20.8	58 E	46*	27*
2 5	0 31.78	+ 9 18.7	1.957	1.610	30.1	20.9	55 E	44*	25*
2 15	0 58.72	+10 41.0	2.067	1.645	28.0	21.0	52 E	42*	24*
2 25	1 24.96	+12 0.0	2.176	1.681	25.9	21.1	48 E	39*	22*
3 7	1 50.60	+13 13.9	2.284	1.715	23.7	21.2	44 E	35*	20*
3 17	2 15.74	+14 21.6	2.388	1.749	21.5	21.3	40 E	31*	19*
3 27	2 40.46	+15 21.8	2.487	1.783	19.3	21.3	36 E	27*	18*
4 6	3 4.80	+16 13.6	2.581	1.815	17.1	21.4	32 E	23*	16*
4 16	3 28.81	+16 56.1	2.668	1.846	14.9	21.4	28 E	18*	15*
4 26	3 52.52	+17 28.7	2.748	1.876	12.7	21.4	24 E	13*	13*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		54401 2000 LM *(continuation)*							
	h m	° ′			°	m	°	°	°
5 6	4 15.91	+17 50.7	2.820	1.904	10.5	21.4	20 E	9*	11*
5 16	4 39.01	+18 1.7	2.882	1.932	8.4	21.4	16 E	4*	9*
5 26	5 1.78	+18 1.6	2.935	1.958	6.4	21.4	12 E	—	6*
6 5	5 24.20	+17 50.0	2.978	1.982	4.6	21.4	9 E	—	3*
6 15	5 46.26	+17 27.0	3.011	2.005	3.3	21.3	7 E	—	—
6 25	6 7.90	+16 52.7	3.032	2.026	3.4	21.4	7 W	—	—
7 5	6 29.10	+16 7.2	3.043	2.046	4.6	21.5	9 W	—	3*
		213084 1999 TN_{169}							
12 27	22 34.91	− 6 23.4	2.120	1.882	27.6	21.4	63 E	38*	41*
1 6	22 56.86	− 4 34.9	2.240	1.912	25.9	21.5	58 E	38*	36*
1 16	23 18.49	− 2 41.8	2.358	1.944	24.1	21.6	54 E	37*	31*
1 26	23 39.82	− 0 45.8	2.475	1.976	22.1	21.7	49 E	36*	27*
2 5	0 0.85	+ 1 11.2	2.589	2.009	20.1	21.8	45 E	33*	23*
		377172 2003 US_5							
12 27	22 35.71	− 5 40.8	1.891	1.690	31.2	21.5	63 E	38*	41*
1 6	22 58.14	− 3 13.8	1.955	1.676	30.2	21.5	59 E	39*	36*
1 16	23 21.22	− 0 39.6	2.018	1.664	29.0	21.5	55 E	39*	31*
1 26	23 44.89	+ 1 59.9	2.079	1.656	27.7	21.5	51 E	39*	27*
2 5	0 9.10	+ 4 42.3	2.139	1.650	26.3	21.5	48 E	37*	23*
		48468 1991 SS_1							
12 27	22 35.72	−11 20.2	1.742	1.528	34.2	20.0	61 E	33*	44*
1 6	23 1.21	− 8 10.1	1.791	1.515	33.3	20.1	58 E	35*	39*
1 16	23 27.13	− 4 51.5	1.841	1.505	32.3	20.1	55 E	36*	34*
1 26	23 53.45	− 1 27.4	1.892	1.501	31.1	20.1	52 E	37*	30*
2 5	0 20.14	+ 1 58.6	1.945	1.501	29.9	20.1	49 E	37*	27*
2 15	0 47.25	+ 5 23.0	2.001	1.507	28.5	20.2	47 E	36*	24*
2 25	1 14.77	+ 8 42.1	2.059	1.516	27.1	20.2	44 E	35*	22*
3 7	1 42.73	+11 52.1	2.121	1.531	25.6	20.2	42 E	33*	20*
3 17	2 11.14	+14 49.8	2.185	1.549	24.0	20.3	39 E	31*	18*
3 27	2 39.98	+17 31.9	2.253	1.572	22.4	20.3	37 E	29*	16*
4 6	3 9.18	+19 55.8	2.323	1.599	20.7	20.4	34 E	26*	15*
4 16	3 38.67	+21 59.5	2.394	1.628	18.9	20.4	32 E	23*	14*
4 26	4 8.32	+23 41.6	2.468	1.661	17.1	20.5	29 E	20*	13*
5 6	4 37.95	+25 1.2	2.541	1.696	15.2	20.5	26 E	17*	11*
5 16	5 7.40	+25 58.2	2.615	1.733	13.3	20.6	23 E	14*	10*
5 26	5 36.47	+26 33.3	2.687	1.772	11.4	20.6	20 E	11*	8*
6 5	6 4.97	+26 47.3	2.757	1.813	9.5	20.6	17 E	8*	6*
6 15	6 32.75	+26 41.9	2.824	1.854	7.6	20.6	14 E	5*	4*
6 25	6 59.67	+26 18.8	2.887	1.897	5.7	20.6	11 E	3*	2*
7 5	7 25.63	+25 40.0	2.944	1.940	3.8	20.6	7 E	—	—
7 15	7 50.58	+24 47.8	2.996	1.984	2.3	20.6	4 E	—	—
7 25	8 14.47	+23 44.1	3.040	2.028	2.0	20.7	4 W	—	—
8 4	8 37.31	+22 31.0	3.076	2.072	3.3	20.8	7 W	1*	—
8 14	8 59.13	+21 10.6	3.103	2.116	5.1	21.0	11 W	5*	—
8 24	9 19.93	+19 44.5	3.120	2.160	7.0	21.2	15 W	9*	1*
9 3	9 39.76	+18 14.6	3.127	2.203	8.8	21.3	20 W	13*	4*
9 13	9 58.64	+16 42.3	3.123	2.247	10.7	21.4	24 W	18*	7*
		344065 1995 UB_4							
12 27	22 36.36	−12 30.9	1.941	1.692	30.4	20.9	61 E	32*	44*
1 6	22 57.84	− 9 31.7	1.987	1.660	29.6	20.9	56 E	33*	39*
1 16	23 20.15	− 6 23.2	2.030	1.632	28.6	20.9	53 E	34*	33*
1 26	23 43.25	− 3 7.2	2.072	1.607	27.5	20.8	49 E	34*	29*
2 5	0 7.10	+ 0 14.1	2.111	1.587	26.4	20.8	46 E	33*	25*
2 15	0 31.73	+ 3 38.3	2.150	1.570	25.1	20.8	42 E	32*	22*
2 25	0 57.16	+ 7 2.3	2.188	1.559	23.9	20.8	40 E	31*	19*
3 7	1 23.43	+10 22.8	2.228	1.552	22.5	20.8	37 E	29*	16*
3 17	1 50.59	+13 36.3	2.268	1.550	21.2	20.8	34 E	26*	14*
3 27	2 18.65	+16 39.0	2.310	1.553	19.8	20.8	32 E	24*	13*
4 6	2 47.60	+19 27.4	2.354	1.561	18.3	20.8	29 E	22*	11*
4 16	3 17.41	+21 58.0	2.401	1.574	16.8	20.8	27 E	20*	10*
4 26	3 47.95	+24 7.7	2.449	1.592	15.3	20.8	25 E	17*	8*
5 6	4 19.06	+25 54.0	2.500	1.614	13.8	20.8	22 E	15*	7*
5 16	4 50.50	+27 15.4	2.553	1.640	12.2	20.8	20 E	12*	6*
5 26	5 22.00	+28 11.1	2.606	1.669	10.6	20.9	18 E	10*	5*
6 5	5 53.24	+28 41.1	2.660	1.702	9.0	20.9	15 E	7*	3*
6 15	6 23.95	+28 46.7	2.714	1.738	7.4	20.9	13 E	5*	1*
6 25	6 53.85	+28 29.6	2.767	1.776	5.8	20.9	10 E	3*	—
7 5	7 22.73	+27 52.3	2.818	1.816	4.4	20.9	8 E	2*	—
7 15	7 50.46	+26 57.2	2.865	1.858	3.4	21.0	6 E	—	—
7 25	8 16.94	+25 47.5	2.908	1.901	3.2	21.0	6 W	—	—
8 4	8 42.15	+24 25.8	2.947	1.946	4.1	21.2	8 W	2*	—
8 14	9 6.09	+22 54.7	2.978	1.992	5.4	21.3	11 W	5*	—
8 24	9 28.80	+21 16.9	3.003	2.038	7.0	21.5	14 W	8*	—
		65776 1995 SW_3							
12 27	22 36.47	− 4 55.7	1.747	1.577	33.9	19.1	64 E	39*	41*
1 6	23 2.21	− 1 56.5	1.828	1.592	32.5	19.2	60 E	41*	36*
1 16	23 27.85	+ 1 3.9	1.913	1.612	30.9	19.3	57 E	42*	31*
1 26	23 53.38	+ 4 3.0	2.001	1.634	29.3	19.4	54 E	42*	27*

65776 1995 SW_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	0 18.81	+ 6 58.2	2.091	1.660	27.5	19.4	51 E	41*	24*
2 15	0 44.19	+ 9 47.3	2.183	1.688	25.7	19.5	48 E	39*	21*
2 25	1 9.54	+12 28.4	2.276	1.719	23.9	19.6	45 E	37*	18*
3 7	1 34.89	+14 59.6	2.370	1.752	22.0	19.7	41 E	34*	16*
3 17	2 0.25	+17 19.4	2.463	1.786	20.0	19.7	38 E	31*	14*
3 27	2 25.64	+19 26.5	2.556	1.823	18.0	19.8	34 E	27*	12*
4 6	2 51.03	+21 20.0	2.647	1.860	16.0	19.8	31 E	24*	11*
4 16	3 16.40	+22 59.0	2.734	1.898	14.0	19.9	27 E	20*	9*
4 26	3 41.70	+24 23.1	2.818	1.938	12.0	19.9	24 E	16*	7*
5 6	4 6.86	+25 32.0	2.898	1.977	9.9	19.9	20 E	13*	5*
5 16	4 31.81	+26 25.8	2.971	2.017	7.9	19.9	16 E	9*	3*
5 26	4 56.45	+27 4.6	3.038	2.058	5.9	19.9	12 E	5*	—
6 5	5 20.70	+27 29.1	3.097	2.098	4.0	19.9	8 E	2*	—
6 15	5 44.47	+27 39.9	3.149	2.139	2.4	19.9	5 E	—	—
6 25	6 7.66	+27 37.8	3.191	2.179	2.1	20.0	5 W	—	—
7 5	6 30.20	+27 23.9	3.223	2.219	3.4	20.1	7 W	1*	—
7 15	6 52.02	+26 59.2	3.245	2.258	5.2	20.3	12 W	5*	1*
7 25	7 13.07	+26 25.1	3.256	2.297	7.1	20.4	16 W	9*	4*
8 4	7 33.28	+25 42.8	3.255	2.336	8.9	20.5	21 W	13*	7*
8 14	7 52.63	+24 53.6	3.242	2.374	10.8	20.6	26 W	18*	10*
8 24	8 11.07	+23 58.9	3.218	2.411	12.6	20.7	31 W	23*	13*
9 3	8 28.56	+23 0.1	3.181	2.448	14.3	20.8	37 W	29*	15*
9 13	8 45.06	+21 58.5	3.131	2.484	15.9	20.8	42 W	34*	18*
9 23	9 0.52	+20 55.6	3.070	2.519	17.3	20.9	48 W	40*	21*
10 3	9 14.87	+19 52.9	2.997	2.553	18.7	20.9	55 W	46*	24*
10 13	9 28.03	+18 51.9	2.913	2.587	19.8	20.9	61 W	51*	28*
10 23	9 39.89	+17 54.2	2.820	2.619	20.7	20.9	68 W	56*	31*
11 2	9 50.31	+17 1.5	2.718	2.651	21.3	20.8	76 W	60*	35*
11 12	9 59.10	+16 15.6	2.610	2.682	21.5	20.8	83 W	61*	39*
11 22	10 6.07	+15 38.2	2.498	2.711	21.4	20.7	92 W	61	43*
12 2	10 10.98	+15 11.0	2.385	2.740	20.7	20.6	100 W	60	47*
12 12	10 13.55	+14 55.6	2.274	2.768	19.5	20.5	110 W	60	49*
12 22	10 13.57	+14 53.2	2.170	2.795	17.7	20.3	120 W	60	49
1 1	10 10.86	+15 3.9	2.078	2.821	15.3	20.2	131 W	60	49
1 11	10 5.40	+15 26.7	2.004	2.846	12.2	20.0	142 W	60	49
1 21	9 57.48	+15 58.9	1.951	2.870	8.5	19.8	154 W	61	48

450154 2000 AM_{49}

12 27	22 36.53	+11 42.8	1.238	1.307	45.4	20.7	71 E	55*	31*
1 6	23 10.46	+13 38.5	1.270	1.307	44.8	20.7	70 E	56*	28*
1 16	23 45.66	+15 32.5	1.309	1.313	44.1	20.8	68 E	57*	26*
1 26	0 21.78	+17 20.0	1.355	1.323	43.1	20.8	67 E	57*	25*
2 5	0 58.42	+18 56.3	1.409	1.339	42.0	20.9	65 E	56*	24*
2 15	1 35.21	+20 17.5	1.471	1.360	40.6	21.0	64 E	55*	24*
2 25	2 11.77	+21 21.1	1.541	1.385	39.1	21.1	62 E	53*	25*
3 7	2 47.73	+22 5.5	1.619	1.414	37.4	21.2	60 E	51*	25*
3 17	3 22.84	+22 30.3	1.704	1.446	35.6	21.3	58 E	48*	26*
3 27	3 56.89	+22 36.0	1.795	1.480	33.8	21.4	56 E	45*	27*

276274 2002 SS_{41}

12 27	22 36.87	− 7 51.0	1.862	1.656	31.8	21.0	62 E	36*	42*
1 1	22 48.83	− 8 39.8	1.943	1.680	30.4	21.1	60 E	35*	41*
1 6	23 0.43	− 9 20.0	2.024	1.704	29.0	21.2	57 E	34*	39*
1 11	23 11.72	− 9 52.8	2.103	1.728	27.6	21.2	54 E	32*	37*
1 16	23 22.75	−10 19.3	2.181	1.753	26.2	21.3	52 E	31*	36*
1 21	23 33.54	−10 40.1	2.256	1.777	24.8	21.4	49 E	29*	34*
1 26	23 44.12	−10 56.3	2.330	1.802	23.4	21.4	47 E	27*	32*
1 31	23 54.51	−11 8.4	2.400	1.826	22.0	21.5	44 E	25*	31*

114575 2003 BH_{71}

12 27	22 37.85	− 9 7.4	1.864	1.653	31.8	18.9	62 E	35*	43*
1 6	23 1.13	− 6 1.3	1.936	1.651	30.5	18.9	59 E	37*	38*
1 16	23 24.66	− 2 51.4	2.008	1.653	29.2	19.0	55 E	38*	33*
1 26	23 48.42	+ 0 20.2	2.081	1.659	27.7	19.0	52 E	38*	28*
2 5	0 12.40	+ 3 31.0	2.155	1.668	26.1	19.1	48 E	37*	24*
2 15	0 36.64	+ 6 38.8	2.229	1.680	24.5	19.1	45 E	35*	21*
2 25	1 1.15	+ 9 41.1	2.303	1.695	22.8	19.1	42 E	33*	18*
3 7	1 25.96	+12 35.7	2.377	1.713	21.1	19.2	38 E	31*	16*
3 17	1 51.11	+15 20.6	2.451	1.734	19.3	19.2	35 E	28*	13*
3 27	2 16.58	+17 53.8	2.525	1.757	17.4	19.3	32 E	25*	11*
4 6	2 42.38	+20 13.4	2.597	1.783	15.6	19.3	29 E	22*	10*
4 16	3 8.48	+22 18.2	2.667	1.811	13.7	19.3	25 E	18*	8*
4 26	3 34.82	+24 6.9	2.735	1.841	11.8	19.3	22 E	15*	6*
5 6	4 1.32	+25 38.5	2.800	1.872	9.9	19.3	19 E	12*	4*
5 16	4 27.87	+26 52.8	2.861	1.905	8.0	19.3	15 E	8*	2*
5 26	4 54.35	+27 49.4	2.918	1.939	6.2	19.3	12 E	5*	—
6 5	5 20.61	+28 28.6	2.970	1.973	4.5	19.3	9 E	3*	—
6 15	5 46.53	+28 51.0	3.016	2.009	3.2	19.3	6 E	—	—
6 25	6 11.96	+28 57.5	3.054	2.045	2.8	19.4	6 W	—	—
7 5	6 36.77	+28 49.3	3.086	2.082	3.6	19.5	7 W	1*	—
7 15	7 0.86	+28 27.7	3.109	2.119	5.1	19.6	11 W	4*	—
7 25	7 24.14	+27 54.3	3.124	2.156	6.8	19.8	15 W	8*	1*

114575 2003 BH_{71} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 4	7 46.55	+27 10.7	3.129	2.194	8.6	19.9	19 W	12*	4*
8 14	8 8.03	+26 18.6	3.125	2.231	10.4	20.0	23 W	16*	6*
8 24	8 28.54	+25 19.7	3.109	2.268	12.1	20.1	28 W	21*	9*
9 3	8 48.06	+24 15.8	3.084	2.305	13.8	20.2	33 W	26*	11*
9 13	9 6.58	+23 8.6	3.047	2.342	15.4	20.2	38 W	31*	14*
9 23	9 24.04	+21 59.7	2.999	2.378	17.0	20.3	44 W	37*	16*
10 3	9 40.43	+20 50.9	2.940	2.414	18.4	20.3	50 W	42*	19*
10 13	9 55.68	+19 43.9	2.871	2.449	19.6	20.3	56 W	47*	22*
10 23	10 9.73	+18 40.5	2.791	2.484	20.7	20.3	62 W	52*	26*
11 2	10 22.48	+17 42.4	2.703	2.518	21.5	20.3	69 W	57*	30*
11 12	10 33.79	+16 51.5	2.607	2.552	22.1	20.3	76 W	60*	34*
11 22	10 43.50	+16 9.7	2.505	2.585	22.3	20.2	83 W	61*	38*
12 2	10 51.40	+15 38.7	2.399	2.617	22.1	20.2	91 W	61	42*
12 12	10 57.24	+15 20.4	2.292	2.649	21.5	20.1	100 W	60	46*
12 22	11 0.75	+15 16.1	2.187	2.679	20.3	19.9	109 W	60	48*
1 1	11 1.69	+15 26.7	2.089	2.709	18.5	19.8	119 W	60	49
1 11	10 59.84	+15 51.7	2.002	2.739	16.0	19.7	130 W	61	48
1 21	10 55.18	+16 29.2	1.932	2.767	12.9	19.5	141 W	61	48

376786 2000 QO_{194}

12 27	22 38.06	−16 20.1	2.048	1.771	28.7	20.7	60 E	28*	46*
1 6	22 59.23	−14 21.0	2.081	1.721	28.0	20.6	55 E	29*	41*
1 16	23 21.59	−12 7.8	2.108	1.674	27.2	20.6	51 E	29*	36*
1 26	23 45.03	− 9 41.7	2.130	1.630	26.3	20.5	47 E	28*	32*
2 5	0 9.49	− 7 4.1	2.148	1.590	25.4	20.4	44 E	28*	29*
2 15	0 34.94	− 4 17.1	2.164	1.554	24.5	20.4	41 E	26*	26*
2 25	1 1.35	− 1 23.2	2.178	1.523	23.5	20.3	38 E	25*	24*
3 7	1 28.73	+ 1 34.3	2.192	1.498	22.6	20.3	35 E	23*	22*
3 17	1 57.07	+ 4 32.0	2.208	1.479	21.6	20.2	33 E	21*	20*
3 27	2 26.37	+ 7 25.5	2.227	1.466	20.6	20.2	31 E	19*	19*
4 6	2 56.58	+10 10.5	2.250	1.460	19.5	20.2	29 E	17*	18*
4 16	3 27.62	+12 42.8	2.277	1.462	18.4	20.2	27 E	15*	17*
4 26	3 59.35	+14 58.0	2.310	1.470	17.3	20.2	26 E	13*	16*
5 6	4 31.58	+16 52.6	2.349	1.484	16.0	20.2	24 E	11*	15*
5 16	5 4.09	+18 24.0	2.394	1.505	14.6	20.2	22 E	8*	14*
5 26	5 36.56	+19 30.7	2.444	1.533	13.1	20.2	20 E	6*	12*
6 5	6 8.70	+20 12.1	2.498	1.565	11.6	20.3	18 E	4*	11*
6 15	6 40.24	+20 29.0	2.556	1.602	9.9	20.3	16 E	2*	9*
6 25	7 10.91	+20 23.2	2.616	1.644	8.2	20.3	13 E	—	7*
7 5	7 40.53	+19 57.0	2.677	1.689	6.4	20.4	11 E	—	4*
7 15	8 8.96	+19 13.0	2.739	1.737	4.6	20.4	8 E	—	2*
7 25	8 36.13	+18 14.4	2.798	1.788	2.7	20.4	5 E	—	—
8 4	9 2.02	+17 4.1	2.855	1.841	0.8	20.3	1 E	—	—
8 14	9 26.66	+15 44.7	2.908	1.896	1.2	20.5	2 W	—	—
8 24	9 50.08	+14 19.0	2.954	1.952	3.1	20.7	6 W	—	—
9 3	10 12.36	+12 49.1	2.994	2.008	5.1	20.9	10 W	4*	—
9 13	10 33.56	+11 17.3	3.025	2.066	7.0	21.1	14 W	8*	2*
9 23	10 53.72	+ 9 45.4	3.047	2.124	8.9	21.3	19 W	12*	4*
10 3	11 12.93	+ 8 15.1	3.059	2.182	10.7	21.4	24 W	17*	7*

131702 2001 YZ_3

12 27	22 38.26	+24 1.6	2.923	2.881	19.5	20.3	78 E	67*	23*
1 6	22 50.11	+23 51.5	3.006	2.846	19.1	20.3	71 E	64*	18*
1 16	23 3.16	+23 56.6	3.083	2.809	18.5	20.3	65 E	58*	13*
1 26	23 17.26	+24 15.5	3.152	2.772	17.7	20.3	59 E	53*	9*
2 5	23 32.30	+24 46.8	3.213	2.733	16.7	20.3	53 E	47*	5*
2 15	23 48.19	+25 29.0	3.264	2.694	15.6	20.3	47 E	41*	1*
2 25	0 4.89	+26 20.3	3.305	2.654	14.5	20.2	42 E	35*	—
3 7	0 22.35	+27 19.1	3.335	2.613	13.2	20.2	37 E	29*	—
3 17	0 40.58	+28 23.6	3.353	2.571	12.0	20.1	33 E	24*	—
3 27	0 59.56	+29 32.2	3.361	2.528	10.8	20.0	28 E	19*	—
4 6	1 19.31	+30 42.9	3.357	2.484	9.7	19.9	25 E	15*	—
4 16	1 39.86	+31 54.0	3.342	2.440	8.8	19.9	22 E	11*	—
4 26	2 1.23	+33 3.5	3.317	2.395	8.2	19.8	20 W	11*	—
5 6	2 23.44	+34 9.4	3.282	2.349	8.0	19.7	19 W	12*	—
5 16	2 46.52	+35 9.8	3.236	2.303	8.2	19.6	19 W	13*	—
5 26	3 10.44	+36 2.4	3.182	2.256	8.8	19.6	20 W	14*	—
6 5	3 35.19	+36 45.0	3.119	2.209	9.8	19.5	22 W	16*	1*
6 15	4 0.71	+37 15.7	3.047	2.162	11.1	19.5	24 W	17*	4*
6 25	4 26.90	+37 32.1	2.968	2.114	12.6	19.4	27 W	20*	6*
7 5	4 53.64	+37 32.2	2.882	2.066	14.3	19.4	30 W	23*	8*
7 15	5 20.76	+37 14.1	2.789	2.018	16.0	19.3	33 W	26*	10*
7 25	5 48.06	+36 36.1	2.691	1.971	17.9	19.3	37 W	29*	12*
8 4	6 15.34	+35 36.6	2.588	1.924	19.8	19.2	40 W	32*	13*
8 14	6 42.41	+34 14.4	2.480	1.878	21.8	19.1	43 W	36*	15*
8 24	7 9.05	+32 28.4	2.369	1.833	23.7	19.0	47 W	39*	17*
9 3	7 35.12	+30 17.6	2.255	1.789	25.7	18.9	50 W	43*	19*
9 13	8 0.50	+27 41.3	2.139	1.746	27.7	18.8	54 W	46*	22*
9 23	8 25.08	+24 38.6	2.023	1.706	29.7	18.7	57 W	49*	24*
10 3	8 48.84	+21 8.7	1.907	1.667	31.6	18.6	61 W	51*	28*
10 13	9 11.76	+17 10.5	1.793	1.632	33.5	18.4	64 W	52*	32*
10 23	9 33.84	+12 43.3	1.682	1.600	35.2	18.3	68 W	52*	36*

131702 2001 YZ_3 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 2	9 55.13	+ 7 46.5	1.576	1.571	36.8	18.2	71 W	50*	41*
11 12	10 15.65	+ 2 19.9	1.477	1.546	38.1	18.0	75 W	47*	47*
11 22	10 35.45	− 3 35.4	1.386	1.526	39.3	17.9	78 W	41	54*
12 2	10 54.58	− 9 56.7	1.305	1.510	40.2	17.8	81 W	35	62*
12 7	11 3.88	−13 15.7	1.269	1.504	40.5	17.7	83 W	32	66*
12 12	11 13.01	−16 39.2	1.235	1.500	40.8	17.6	84 W	28	70*
12 17	11 21.95	−20 6.1	1.204	1.496	41.0	17.6	86 W	25	74*
12 22	11 30.71	−23 35.3	1.176	1.494	41.1	17.5	87 W	21	78*
12 27	11 39.26	−27 5.6	1.152	1.494	41.2	17.5	88 W	18	82*
1 1	11 47.59	−30 35.7	1.129	1.494	41.2	17.5	90 W	14	83*
1 6	11 55.65	−34 3.9	1.110	1.496	41.1	17.4	91 W	11	82*
1 11	12 3.40	−37 28.8	1.093	1.499	40.9	17.4	92 W	8	79
1 16	12 10.80	−40 49.0	1.079	1.504	40.8	17.4	94 W	4	75
1 21	12 17.79	−44 3.2	1.067	1.510	40.5	17.3	95 W	1	72

137802 1999 YT

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 38.30	−36 39.1	1.376	1.156	44.7	19.7	56 E	8*	50*
1 1	22 59.12	−34 57.5	1.370	1.153	44.9	19.7	56 E	9*	50*
1 6	23 19.66	−33 1.2	1.365	1.152	45.0	19.7	56 E	11*	50*
1 11	23 39.87	−30 51.0	1.361	1.152	45.1	19.7	56 E	13*	49*
1 16	23 59.70	−28 27.9	1.359	1.155	45.2	19.7	56 E	15*	49*
1 21	0 19.10	−25 53.2	1.359	1.159	45.1	19.7	57 E	18*	49*
1 26	0 38.07	−23 8.5	1.361	1.166	45.0	19.7	57 E	20*	49*
1 31	0 56.60	−20 15.6	1.367	1.174	44.8	19.7	57 E	22*	48*
2 5	1 14.71	−17 16.4	1.375	1.184	44.5	19.8	57 E	25*	47*
2 10	1 32.43	−14 13.0	1.388	1.195	44.1	19.8	58 E	27*	47*
2 15	1 49.78	−11 7.6	1.404	1.209	43.6	19.8	58 E	29*	46*
2 20	2 6.81	− 8 2.4	1.424	1.223	43.0	19.9	58 E	31*	45*
2 25	2 23.55	− 4 59.3	1.448	1.239	42.3	19.9	57 E	33*	43*
3 2	2 40.01	− 2 0.2	1.476	1.256	41.6	20.0	57 E	34*	42*
3 7	2 56.25	+ 0 53.4	1.508	1.275	40.7	20.0	57 E	35*	41*
3 12	3 12.30	+ 3 40.0	1.544	1.294	39.8	20.1	56 E	36*	39*
3 17	3 28.18	+ 6 18.6	1.583	1.314	38.8	20.1	56 E	37*	38*
3 27	3 59.52	+11 8.7	1.669	1.357	36.7	20.3	54 E	38*	35*
4 6	4 30.42	+15 19.7	1.766	1.402	34.5	20.4	52 E	37*	33*
4 16	5 0.96	+18 50.8	1.869	1.449	32.1	20.5	50 E	36*	30*
4 26	5 31.15	+21 43.1	1.977	1.497	29.8	20.6	48 E	34*	28*
5 6	6 0.95	+23 58.8	2.087	1.545	27.4	20.8	45 E	31*	26*
5 16	6 30.31	+25 40.9	2.197	1.594	25.0	20.9	42 E	28*	24*
5 26	6 59.15	+26 52.7	2.305	1.642	22.7	21.0	39 E	25*	22*
6 5	7 27.36	+27 37.4	2.410	1.689	20.4	21.1	35 E	22*	20*
6 15	7 54.89	+27 58.2	2.510	1.736	18.2	21.1	32 E	19*	18*
6 25	8 21.68	+27 58.3	2.603	1.782	16.0	21.2	29 E	16*	16*
7 5	8 47.67	+27 40.6	2.690	1.827	13.9	21.3	26 E	14*	13*
7 15	9 12.89	+27 7.9	2.768	1.870	12.0	21.3	23 E	13*	10*
7 25	9 37.32	+26 22.8	2.838	1.912	10.3	21.3	20 E	11*	7*
8 4	10 1.01	+25 27.5	2.899	1.952	8.8	21.4	17 E	10*	4*
8 14	10 23.99	+24 24.4	2.950	1.991	7.8	21.4	15 E	9*	—
8 24	10 46.32	+23 15.5	2.990	2.029	7.2	21.4	15 E	9*	—

24806 1994 RH_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 39.05	− 5 28.1	1.835	1.657	32.2	18.6	64 E	39*	42*
1 6	23 3.03	− 2 20.7	1.935	1.683	30.5	18.7	60 E	40*	36*
1 16	23 26.71	+ 0 44.6	2.037	1.712	28.8	18.8	57 E	41*	31*
1 26	23 50.14	+ 3 46.2	2.141	1.744	27.0	18.9	53 E	41*	27*
2 5	0 13.37	+ 6 42.4	2.246	1.777	25.1	19.0	50 E	40*	23*
2 15	0 36.46	+ 9 31.9	2.352	1.813	23.1	19.0	46 E	38*	20*
2 25	0 59.46	+12 13.7	2.456	1.850	21.1	19.1	42 E	35*	17*
3 7	1 22.41	+14 46.5	2.559	1.888	19.1	19.2	39 E	32*	14*
3 17	1 45.36	+17 9.6	2.659	1.927	17.1	19.3	35 E	28*	11*
3 27	2 8.33	+19 22.1	2.756	1.967	15.1	19.3	31 E	24*	9*
4 6	2 31.31	+21 23.3	2.848	2.007	13.0	19.3	27 E	20*	7*
4 16	2 54.33	+23 12.7	2.935	2.048	11.0	19.4	23 E	16*	4*
4 26	3 17.35	+24 50.0	3.016	2.089	9.0	19.4	19 E	13*	2*
5 6	3 40.33	+26 14.7	3.089	2.130	7.0	19.4	15 E	9*	—
5 16	4 3.24	+27 26.9	3.154	2.171	5.2	19.4	11 E	5*	—
5 26	4 26.00	+28 26.7	3.210	2.212	3.7	19.4	8 E	2*	—
6 5	4 48.54	+29 14.2	3.257	2.253	3.0	19.4	7 W	—	—
6 15	5 10.78	+29 49.9	3.294	2.293	3.6	19.5	8 W	2*	—
6 25	5 32.63	+30 14.3	3.320	2.333	5.0	19.7	12 W	5*	—
7 5	5 54.00	+30 28.2	3.335	2.373	6.7	19.8	16 W	9*	2*
7 15	6 14.82	+30 32.5	3.338	2.412	8.5	19.9	20 W	13*	6*
7 25	6 34.97	+30 28.2	3.328	2.450	10.2	20.0	25 W	17*	8*
8 4	6 54.39	+30 16.5	3.307	2.488	12.0	20.1	31 W	23*	11*
8 14	7 12.99	+29 58.7	3.273	2.524	13.6	20.2	36 W	28*	14*
8 24	7 30.68	+29 36.0	3.227	2.561	15.2	20.2	42 W	34*	16*
9 3	7 47.39	+29 10.1	3.169	2.596	16.6	20.3	47 W	40*	18*
9 13	8 3.03	+28 42.5	3.099	2.630	17.9	20.3	54 W	46*	21*
9 23	8 17.47	+28 14.8	3.019	2.664	19.1	20.3	60 W	52*	23*
10 3	8 30.60	+27 48.8	2.928	2.697	19.9	20.3	67 W	58*	25*
10 13	8 42.27	+27 26.5	2.829	2.729	20.6	20.3	74 W	64*	28*

24806 1994 RH_9 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 23	8 52.30	+27 9.5	2.724	2.760	20.9	20.2	82 W	69*	30*
11 2	9 0.48	+26 59.8	2.614	2.790	20.8	20.1	90 W	72*	33*
11 12	9 6.54	+26 59.2	2.502	2.820	20.3	20.1	98 W	72	35*
11 22	9 10.22	+27 8.7	2.392	2.848	19.3	19.9	107 W	72	36*
12 2	9 11.24	+27 29.1	2.288	2.875	17.8	19.8	117 W	72	37
12 12	9 9.35	+27 59.5	2.194	2.902	15.6	19.7	128 W	73	36
12 22	9 4.46	+28 37.7	2.117	2.927	12.9	19.5	139 W	74	35
1 1	8 56.72	+29 19.4	2.060	2.952	9.7	19.4	150 W	74	35
1 6	8 51.91	+29 39.7	2.042	2.964	8.0	19.3	155 W	75	34
1 11	8 46.61	+29 58.7	2.030	2.976	6.3	19.2	161 W	75	34
1 16	8 40.93	+30 15.6	2.025	2.987	4.8	19.1	165 W	75	34
1 21	8 35.02	+30 29.6	2.028	2.998	3.8	19.1	168 W	75	34

74839 1999 TZ_{34}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 39.10	− 9 8.6	1.986	1.762	29.7	19.4	62 E	35*	43*
1 6	23 0.71	− 5 59.2	2.092	1.786	28.0	19.5	58 E	37*	38*
1 16	23 22.09	− 2 52.0	2.199	1.812	26.2	19.6	54 E	37*	32*
1 26	23 43.29	+ 0 11.9	2.305	1.840	24.3	19.7	50 E	37*	27*
2 5	0 4.34	+ 3 11.4	2.410	1.869	22.4	19.7	46 E	36*	23*
2 15	0 25.31	+ 6 5.8	2.513	1.899	20.4	19.8	42 E	33*	19*
2 25	0 46.26	+ 8 54.1	2.612	1.930	18.4	19.9	38 E	30*	15*
3 7	1 7.21	+11 35.5	2.707	1.962	16.3	19.9	34 E	27*	12*
3 17	1 28.23	+14 9.3	2.798	1.995	14.3	19.9	30 E	23*	9*
3 27	1 49.33	+16 34.7	2.882	2.028	12.2	20.0	25 E	19*	7*
4 6	2 10.55	+18 51.1	2.961	2.061	10.2	20.0	21 E	15*	4*
4 16	2 31.90	+20 57.9	3.032	2.095	8.2	20.0	17 E	11*	1*
4 26	2 53.39	+22 54.6	3.095	2.129	6.3	20.0	13 E	7*	—
5 6	3 14.99	+24 40.7	3.150	2.163	4.6	20.0	10 E	4*	—
5 16	3 36.68	+26 16.1	3.196	2.197	3.4	20.0	7 E	1*	—
5 26	3 58.42	+27 40.4	3.232	2.231	3.3	20.0	7 W	1*	—
6 5	4 20.16	+28 53.6	3.258	2.264	4.3	20.1	10 W	3*	—
6 15	4 41.82	+29 55.9	3.274	2.297	5.8	20.2	13 W	6*	1*
6 25	5 3.32	+30 47.4	3.279	2.330	7.5	20.4	18 W	10*	4*
7 5	5 24.57	+31 28.8	3.273	2.362	9.3	20.5	22 W	14*	7*
7 15	5 45.47	+32 0.6	3.256	2.394	11.1	20.5	27 W	18*	10*
7 25	6 5.90	+32 23.7	3.227	2.425	12.8	20.6	32 W	23*	12*
8 4	6 25.76	+32 39.1	3.188	2.456	14.4	20.7	37 W	29*	14*
8 14	6 44.95	+32 48.0	3.137	2.486	16.0	20.7	43 W	35*	16*
8 24	7 3.32	+32 51.9	3.075	2.515	17.4	20.8	48 W	41*	18*
9 3	7 20.78	+32 52.3	3.002	2.544	18.7	20.8	54 W	47*	19*
9 13	7 37.18	+32 51.1	2.920	2.572	19.8	20.8	60 W	53*	21*
9 23	7 52.36	+32 50.1	2.829	2.599	20.8	20.8	67 W	59*	22*
10 3	8 6.17	+32 51.3	2.730	2.625	21.4	20.7	73 W	66*	24*
10 13	8 18.40	+32 57.1	2.625	2.650	21.8	20.7	81 W	72*	26*
10 23	8 28.81	+33 9.4	2.515	2.675	21.8	20.6	88 W	77*	27*
11 2	8 37.13	+33 30.4	2.404	2.699	21.4	20.5	96 W	79	28*
11 12	8 43.02	+34 1.6	2.295	2.722	20.6	20.4	105 W	79	29*
11 22	8 46.11	+34 43.8	2.190	2.744	19.2	20.3	114 W	80	29*
12 2	8 46.08	+35 36.2	2.094	2.766	17.3	20.1	124 W	81	28
12 12	8 42.61	+36 36.2	2.013	2.786	14.8	20.0	134 W	82	27
12 17	8 39.56	+37 7.4	1.979	2.796	13.4	19.9	139 W	82	27
12 22	8 35.67	+37 38.3	1.950	2.805	11.9	19.8	144 W	83	26
12 27	8 30.99	+38 7.8	1.927	2.815	10.4	19.7	149 W	83	26
1 1	8 25.59	+38 35.0	1.910	2.824	9.0	19.7	153 W	84	25
1 6	8 19.60	+38 58.6	1.900	2.833	7.7	19.6	157 W	84	25
1 11	8 13.18	+39 17.8	1.897	2.842	6.8	19.6	160 W	84	25
1 16	8 6.51	+39 31.8	1.902	2.850	6.4	19.6	161 W	85	24
1 21	7 59.79	+39 40.1	1.913	2.859	6.7	19.6	160 E	85	24

351340 2004 YC_5

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 39.40	+17 35.0	0.469	0.971	77.6	19.1	75 E	61*	28*
12 29	22 54.59	+19 37.0	0.469	0.989	75.6	19.1	77 E	64*	27*
12 31	23 10.11	+21 33.6	0.471	1.008	73.5	19.0	79 E	66*	27*
1 2	23 25.87	+23 23.7	0.475	1.026	71.3	19.0	81 E	68*	27*
1 4	23 41.80	+25 6.2	0.480	1.045	69.2	19.0	84 E	70*	27*
1 6	23 57.82	+26 40.2	0.488	1.064	67.1	19.0	86 E	72*	27*
1 8	0 13.83	+28 5.3	0.497	1.083	65.1	19.1	88 E	73*	26*
1 10	0 29.75	+29 21.1	0.508	1.102	63.1	19.1	89 E	74	26*
1 12	0 45.46	+30 27.7	0.520	1.122	61.2	19.1	91 E	75	26*
1 14	1 0.91	+31 25.4	0.534	1.141	59.4	19.2	93 E	76	26*
1 16	1 16.00	+32 14.4	0.550	1.160	57.7	19.2	94 E	77	26*
1 18	1 30.69	+32 55.4	0.567	1.180	56.1	19.3	95 E	78	26*
1 20	1 44.92	+33 29.1	0.585	1.199	54.6	19.3	96 E	78	26*
1 22	1 58.65	+33 56.0	0.604	1.219	53.2	19.4	97 E	79	27*
1 24	2 11.87	+34 16.9	0.625	1.238	51.9	19.5	98 E	79	27*
1 26	2 24.56	+34 32.4	0.646	1.257	50.7	19.5	99 E	80	27*
1 28	2 36.72	+34 43.4	0.669	1.277	49.6	19.6	99 E	80	27*
1 30	2 48.37	+34 50.2	0.692	1.296	48.5	19.7	100 E	80	27*
2 1	2 59.51	+34 53.6	0.717	1.315	47.5	19.8	100 E	80	27*
2 3	3 10.17	+34 54.0	0.742	1.334	46.6	19.8	100 E	80	28*
2 5	3 20.36	+34 51.9	0.768	1.354	45.8	19.9	100 E	80	28*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		351340 2004 YC_5				*(continuation)*			
	h m	° ′			°	m	°	°	°
2 10	3 43.98	+34 38.0	0.836	1.401	43.9	20.1	100 E	80	28*
2 15	4 5.26	+34 15.5	0.909	1.448	42.3	20.3	99 E	79	29*
2 20	4 24.57	+33 47.7	0.985	1.494	40.9	20.5	98 E	79	30*
2 25	4 42.24	+33 16.7	1.064	1.540	39.6	20.7	97 E	78	30*
3 2	4 58.54	+32 43.9	1.145	1.585	38.5	20.9	96 E	78	31*
3 7	5 13.70	+32 10.1	1.229	1.629	37.4	21.1	94 E	77*	31*
3 12	5 27.92	+31 35.8	1.315	1.672	36.4	21.3	92 E	76*	32*
3 17	5 41.36	+31 1.2	1.403	1.715	35.5	21.5	90 E	75*	32*
		474189 1999 XW_8							
12 27	22 39.58	−32 24.1	1.857	1.549	32.0	19.9	57 E	12*	50*
1 1	22 54.48	−30 9.8	1.882	1.552	31.4	19.9	55 E	14*	48*
1 6	23 8.95	−27 51.9	1.909	1.556	30.9	19.9	54 E	16*	47*
1 11	23 23.01	−25 31.2	1.938	1.561	30.3	19.9	53 E	18*	45*
1 16	23 36.71	−23 8.6	1.968	1.568	29.6	19.9	52 E	19*	43*
1 21	23 50.06	−20 45.1	2.001	1.575	28.9	20.0	51 E	21*	41*
1 26	0 3.09	−18 21.3	2.035	1.584	28.2	20.0	50 E	22*	39*
1 31	0 15.84	−15 58.0	2.071	1.594	27.4	20.0	48 E	23*	38*
2 5	0 28.32	−13 35.9	2.109	1.605	26.6	20.0	47 E	24*	36*
2 10	0 40.58	−11 15.5	2.148	1.617	25.8	20.1	45 E	24*	34*
2 15	0 52.64	− 8 57.4	2.189	1.630	24.9	20.1	44 E	25*	32*
2 25	1 16.26	− 4 29.7	2.274	1.659	23.0	20.2	41 E	24*	29*
3 7	1 39.35	− 0 15.7	2.364	1.691	21.0	20.2	38 E	23*	25*
3 17	2 2.09	+ 3 42.9	2.455	1.726	18.9	20.3	34 E	21*	22*
3 27	2 24.58	+ 7 24.7	2.547	1.764	16.8	20.4	31 E	19*	19*
4 6	2 46.92	+10 49.2	2.639	1.804	14.6	20.4	27 E	16*	15*
4 16	3 9.20	+13 56.1	2.727	1.846	12.3	20.4	23 E	13*	12*
4 26	3 31.46	+16 45.7	2.812	1.890	10.0	20.5	19 E	9*	9*
5 6	3 53.72	+19 18.1	2.892	1.935	7.8	20.5	15 E	6*	6*
5 16	4 16.00	+21 34.0	2.965	1.981	5.5	20.5	11 E	3*	2*
5 26	4 38.26	+23 33.8	3.030	2.028	3.4	20.5	7 E	—	—
6 5	5 0.49	+25 18.5	3.087	2.075	1.7	20.4	3 E	—	—
6 15	5 22.64	+26 48.7	3.135	2.123	2.0	20.6	4 W	—	—
6 25	5 44.64	+28 5.6	3.172	2.171	3.8	20.7	8 W	2*	—
7 5	6 6.42	+29 10.1	3.199	2.219	5.8	20.9	13 W	6*	1*
7 15	6 27.92	+30 3.7	3.214	2.267	7.8	21.1	18 W	10*	4*
7 25	6 49.03	+30 47.6	3.218	2.315	9.8	21.2	23 W	15*	6*
8 4	7 9.69	+31 23.4	3.210	2.362	11.6	21.3	28 W	21*	8*
8 14	7 29.81	+31 52.7	3.191	2.409	13.3	21.4	33 W	26*	10*
8 24	7 49.30	+32 17.5	3.160	2.455	15.0	21.5	39 W	32*	11*
		346763 2009 BZ_{73}							
12 27	22 40.54	−10 38.8	2.090	1.850	28.1	21.2	62 E	34*	44*
1 6	22 59.41	− 8 7.1	2.144	1.814	27.2	21.2	57 E	35*	38*
1 16	23 19.27	− 5 26.8	2.194	1.780	26.1	21.1	53 E	35*	33*
1 26	23 40.05	− 2 39.0	2.239	1.748	24.9	21.1	48 E	34*	28*
2 5	0 1.68	+ 0 14.8	2.279	1.719	23.7	21.1	44 E	33*	24*
2 15	0 24.18	+ 3 13.0	2.316	1.693	22.3	21.0	41 E	31*	20*
2 25	0 47.56	+ 6 13.3	2.349	1.670	20.9	21.0	37 E	28*	17*
3 7	1 11.84	+ 9 13.2	2.380	1.650	19.5	21.0	34 E	26*	14*
3 17	1 37.08	+12 10.1	2.410	1.635	18.1	20.9	31 E	23*	12*
3 27	2 3.32	+15 0.9	2.438	1.623	16.6	20.9	28 E	20*	10*
4 6	2 30.56	+17 42.3	2.466	1.615	15.2	20.8	25 E	18*	9*
4 16	2 58.83	+20 11.1	2.494	1.612	13.7	20.8	22 E	15*	7*
4 26	3 28.07	+22 23.9	2.523	1.613	12.2	20.8	20 E	13*	6*
5 6	3 58.17	+24 17.6	2.552	1.618	10.8	20.8	17 E	10*	4*
5 16	4 28.99	+25 49.8	2.583	1.627	9.3	20.7	15 E	8*	3*
5 26	5 0.26	+26 58.3	2.614	1.641	7.8	20.7	13 E	6*	1*
6 5	5 31.73	+27 42.1	2.646	1.658	6.4	20.7	10 E	4*	—
6 15	6 3.08	+28 1.0	2.678	1.679	5.0	20.7	8 E	2*	—
6 25	6 34.00	+27 55.7	2.711	1.704	3.7	20.7	6 E	—	—
7 5	7 4.21	+27 27.7	2.742	1.731	2.9	20.7	5 E	—	—
7 15	7 33.48	+26 39.1	2.772	1.762	3.0	20.7	5 W	—	—
7 25	8 1.65	+25 32.7	2.799	1.795	3.9	20.9	7 W	1*	—
8 4	8 28.60	+24 11.1	2.823	1.830	5.2	21.0	9 W	3*	—
8 14	8 54.30	+22 37.4	2.843	1.867	6.7	21.1	12 W	6*	—
8 24	9 18.74	+20 54.2	2.857	1.905	8.4	21.3	16 W	10*	1*
9 3	9 41.96	+19 4.2	2.865	1.945	10.0	21.4	20 W	13*	3*
9 13	10 4.00	+17 9.8	2.866	1.986	11.7	21.5	24 W	17*	5*
		115916 2003 WB_8							
12 27	22 40.58	−22 3.2	3.755	3.352	14.5	20.4	59 E	22*	49*
1 6	22 50.03	−20 58.7	3.824	3.301	13.5	20.4	51 E	22*	41*
1 16	23 0.46	−19 49.6	3.880	3.248	12.2	20.3	44 E	20*	34*
1 26	23 11.75	−18 36.6	3.920	3.194	10.8	20.3	37 E	17*	28*
2 5	23 23.78	−17 20.3	3.944	3.140	9.3	20.2	31 E	13*	23*
2 15	23 36.46	−16 1.1	3.951	3.085	7.8	20.1	25 E	8*	18*
2 25	23 49.72	−14 39.8	3.942	3.029	6.3	20.0	20 E	3*	13*
3 7	0 3.50	−13 16.9	3.917	2.972	5.1	19.9	15 E	—	9*
3 17	0 17.77	−11 53.0	3.875	2.914	4.4	19.8	13 E	—	6*
3 27	0 32.50	−10 28.7	3.818	2.855	4.6	19.7	13 E	—	2*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		115916 2003 WB_8				*(continuation)*			
	h m	° ′			°	m	°	°	°
4 6	0 47.66	− 9 4.7	3.746	2.796	5.6	19.6	16 W	—	3*
4 16	1 3.27	− 7 41.7	3.661	2.736	7.0	19.6	20 W	—	9*
4 26	1 19.32	− 6 20.3	3.563	2.675	8.8	19.6	24 W	—	15*
5 6	1 35.81	− 5 1.4	3.455	2.613	10.6	19.5	29 W	—	20*
5 16	1 52.78	− 3 45.5	3.336	2.551	12.5	19.5	33 W	—	26*
5 26	2 10.23	− 2 33.7	3.210	2.488	14.5	19.4	38 W	—	31*
6 5	2 28.18	− 1 26.6	3.076	2.425	16.4	19.3	42 W	—	36*
6 15	2 46.67	− 0 25.2	2.936	2.361	18.3	19.2	47 W	3*	41*
6 25	3 5.70	+ 0 29.5	2.793	2.297	20.2	19.1	51 W	8*	45*
7 5	3 25.30	+ 1 16.8	2.647	2.233	22.0	19.0	55 W	13*	48*
7 15	3 45.47	+ 1 55.7	2.499	2.169	23.8	18.9	60 W	18*	51*
7 25	4 6.22	+ 2 25.3	2.351	2.105	25.6	18.7	64 W	24*	53*
8 4	4 27.55	+ 2 45.0	2.204	2.041	27.3	18.6	67 W	29*	55*
8 14	4 49.43	+ 2 54.2	2.060	1.978	29.0	18.4	71 W	33*	56*
8 24	5 11.84	+ 2 52.5	1.918	1.916	30.6	18.2	75 W	38*	57*
9 3	5 34.75	+ 2 40.3	1.781	1.856	32.1	18.1	78 W	41*	58*
9 13	5 58.09	+ 2 17.9	1.649	1.797	33.6	17.9	81 W	43*	59*
9 23	6 21.82	+ 1 46.8	1.522	1.740	35.0	17.7	84 W	45*	60*
10 3	6 45.89	+ 1 9.1	1.401	1.686	36.4	17.4	88 W	46*	61*
10 13	7 10.20	+ 0 27.7	1.286	1.635	37.6	17.2	91 W	45*	62*
10 23	7 34.69	− 0 12.8	1.177	1.589	38.7	17.0	94 W	45	63*
10 28	7 47.00	− 0 31.2	1.125	1.567	39.2	16.9	95 W	44	63*
11 2	7 59.32	− 0 47.2	1.075	1.547	39.6	16.8	97 W	44	64*
11 7	8 11.64	− 0 59.9	1.026	1.528	39.9	16.7	98 W	44	64*
11 12	8 23.94	− 1 8.1	0.979	1.511	40.2	16.5	100 W	44	65*
11 17	8 36.22	− 1 10.9	0.934	1.495	40.3	16.4	102 W	44	65*
11 22	8 48.46	− 1 6.9	0.890	1.480	40.4	16.3	104 W	44	65*
11 27	9 0.63	− 0 54.9	0.848	1.468	40.3	16.2	106 W	44	65*
12 2	9 12.69	− 0 33.4	0.808	1.457	40.0	16.0	108 W	44	65
12 7	9 24.61	− 0 0.7	0.770	1.448	39.6	15.9	111 W	45	64
12 12	9 36.32	+ 0 44.7	0.734	1.441	38.9	15.8	113 W	46	63
12 17	9 47.80	+ 1 44.4	0.700	1.436	38.1	15.6	116 W	47	62
12 22	9 58.96	+ 2 59.7	0.669	1.432	37.0	15.5	119 W	48	61
12 27	10 9.73	+ 4 31.8	0.641	1.431	35.6	15.4	122 W	50	59
1 1	10 20.01	+ 6 21.6	0.616	1.432	33.9	15.2	126 W	51	58
1 6	10 29.67	+ 8 29.4	0.594	1.435	32.0	15.1	129 W	53	56
1 11	10 38.64	+10 54.5	0.575	1.440	29.8	15.0	133 W	56	53
1 16	10 46.80	+13 34.9	0.561	1.447	27.5	14.9	137 W	59	50
1 21	10 54.05	+16 27.6	0.551	1.455	25.0	14.8	141 W	61	48
		159882 2004 RQ_{289}							
12 27	22 40.74	−15 40.4	1.947	1.697	30.3	20.5	61 E	29*	47*
1 6	23 5.64	−13 17.8	2.042	1.718	28.7	20.6	57 E	30*	42*
1 16	23 30.01	−10 49.0	2.138	1.741	27.0	20.7	53 E	31*	37*
1 26	23 53.90	− 8 16.6	2.234	1.765	25.2	20.7	50 E	31*	34*
2 5	0 17.35	− 5 43.1	2.330	1.791	23.3	20.8	46 E	30*	30*
2 15	0 40.42	− 3 10.9	2.424	1.819	21.4	20.9	42 E	28*	27*
2 25	1 3.18	− 0 41.8	2.517	1.847	19.5	20.9	38 E	26*	24*
3 7	1 25.67	+ 1 42.2	2.606	1.877	17.5	21.0	35 E	23*	21*
3 17	1 47.97	+ 3 59.8	2.692	1.907	15.5	21.0	31 E	19*	19*
3 27	2 10.11	+ 6 9.6	2.774	1.938	13.5	21.0	27 E	15*	16*
4 6	2 32.11	+ 8 10.5	2.851	1.970	11.5	21.1	23 E	11*	14*
4 16	2 54.00	+10 1.6	2.922	2.001	9.5	21.1	19 E	7*	11*
4 26	3 15.78	+11 42.1	2.986	2.033	7.5	21.1	15 E	3*	8*
5 6	3 37.45	+13 11.5	3.044	2.065	5.6	21.0	12 E	—	5*
5 16	3 58.99	+14 29.5	3.093	2.097	3.9	21.0	8 E	—	2*
5 26	4 20.35	+15 35.7	3.134	2.129	2.8	21.0	6 E	—	—
6 5	4 41.51	+16 30.2	3.165	2.160	3.0	21.1	6 W	—	—
6 15	5 2.41	+17 13.1	3.187	2.191	4.4	21.2	9 W	—	3*
6 25	5 22.99	+17 44.6	3.198	2.222	6.1	21.3	13 W	—	7*
7 5	5 43.19	+18 5.1	3.199	2.252	7.9	21.4	18 W	1*	11*
		85804 1998 WQ_5							
12 27	22 40.89	+21 27.7	2.345	2.330	24.3	20.2	77 E	65*	25*
1 6	22 55.94	+21 32.5	2.454	2.327	23.5	20.3	71 E	62*	21*
1 16	23 11.90	+21 52.2	2.558	2.322	22.6	20.3	65 E	58*	16*
1 26	23 28.63	+22 24.9	2.655	2.315	21.5	20.4	59 E	53*	12*
2 5	23 46.03	+23 8.4	2.745	2.306	20.2	20.4	54 E	48*	9*
2 15	0 4.06	+24 0.9	2.825	2.295	18.8	20.4	49 E	42*	5*
2 25	0 22.68	+25 0.5	2.897	2.283	17.4	20.4	44 E	37*	2*
3 7	0 41.85	+26 5.2	2.958	2.268	15.8	20.4	39 E	32*	—
3 17	1 1.59	+27 13.2	3.008	2.252	14.3	20.4	34 E	27*	—
3 27	1 21.89	+28 22.7	3.047	2.233	12.7	20.3	29 E	22*	—
4 6	1 42.78	+29 31.8	3.075	2.213	11.2	20.3	25 E	18*	—
4 16	2 4.27	+30 39.0	3.092	2.190	9.7	20.2	22 E	13*	—
4 26	2 26.38	+31 42.4	3.097	2.166	8.5	20.1	19 E	10*	—
5 6	2 49.12	+32 40.1	3.090	2.140	7.6	20.0	16 W	7*	—
5 16	3 12.49	+33 30.7	3.072	2.112	7.1	20.0	15 W	8*	—
5 26	3 36.46	+34 12.2	3.042	2.082	7.3	19.9	15 W	9*	—
6 5	4 1.01	+34 43.0	3.002	2.050	8.1	19.9	16 W	10*	—
6 15	4 26.09	+35 1.5	2.952	2.016	9.3	19.9	19 W	12*	1*

85804 1998 WQ_5 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 25	4 51.62	+35 5.9	2.891	1.980	10.8	19.9	22 W	15*	4*
7 5	5 17.50	+34 54.8	2.820	1.943	12.6	19.8	25 W	17*	6*
7 15	5 43.64	+34 26.7	2.740	1.904	14.5	19.8	28 W	20*	8*
7 25	6 9.90	+33 40.3	2.652	1.863	16.5	19.8	31 W	24*	11*
8 4	6 36.19	+32 34.1	2.556	1.820	18.6	19.7	35 W	27*	13*
8 14	7 2.40	+31 6.9	2.454	1.776	20.8	19.6	38 W	31*	14*
8 24	7 28.43	+29 17.4	2.345	1.731	23.0	19.5	42 W	34*	16*
9 3	7 54.25	+27 4.2	2.231	1.684	25.3	19.4	45 W	37*	19*
9 13	8 19.83	+24 25.8	2.114	1.636	27.5	19.3	49 W	40*	21*
9 23	8 45.20	+21 20.3	1.995	1.587	29.9	19.2	52 W	43*	24*
10 3	9 10.44	+17 45.6	1.875	1.538	32.2	19.1	55 W	45*	27*
10 13	9 35.68	+13 39.5	1.756	1.488	34.6	18.9	58 W	46*	30*
10 23	10 1.11	+ 8 59.8	1.642	1.438	37.0	18.8	60 W	46*	34*
11 2	10 27.02	+ 3 44.4	1.533	1.390	39.3	18.6	63 W	44*	38*
11 12	10 53.80	− 2 7.2	1.433	1.342	41.6	18.4	64 W	40*	43*
11 22	11 21.94	− 8 32.8	1.345	1.296	43.9	18.3	65 W	36*	48*
11 27	11 36.73	−11 56.6	1.306	1.275	44.9	18.2	66 W	33*	50*
12 2	11 52.13	−15 26.3	1.270	1.254	46.0	18.2	66 W	29*	52*
12 7	12 8.26	−18 59.9	1.239	1.234	47.0	18.1	66 W	26*	55*
12 12	12 25.23	−22 35.3	1.212	1.215	47.9	18.0	66 W	22*	56*
12 17	12 43.18	−26 9.8	1.189	1.197	48.7	18.0	66 W	19*	58*
12 22	13 2.25	−29 40.4	1.171	1.181	49.4	17.9	66 W	15	59*
12 27	13 22.59	−33 3.7	1.157	1.166	50.1	17.9	65 W	12	59*
1 1	13 44.32	−36 16.3	1.147	1.152	50.6	17.9	65 W	9	59*
1 6	14 7.49	−39 14.3	1.140	1.141	51.1	17.9	64 W	6*	58*
1 11	14 32.14	−41 54.1	1.137	1.131	51.4	17.8	64 W	3*	57*
1 16	14 58.20	−44 12.6	1.137	1.123	51.6	17.8	63 W	1*	56*
1 21	15 25.50	−46 7.0	1.139	1.117	51.7	17.8	63 W	—	55*

199003 2005 WJ_{56}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 41.71	+18 53.3	0.797	1.104	59.8	20.0	76 E	63*	27*
1 6	23 20.24	+19 19.8	0.819	1.099	59.6	20.0	75 E	62*	26*
1 16	23 59.00	+19 32.8	0.841	1.090	59.6	20.0	73 E	62*	26*
1 26	0 37.74	+19 30.7	0.862	1.079	59.7	20.1	71 E	60*	26*
2 5	1 16.17	+19 11.6	0.883	1.063	60.0	20.1	69 E	58*	27*
2 15	1 54.10	+18 34.0	0.902	1.045	60.4	20.1	67 E	56*	29*
2 25	2 31.32	+17 37.1	0.917	1.024	61.0	20.1	65 E	53*	31*
3 7	3 7.64	+16 19.8	0.928	1.000	61.8	20.1	63 E	50*	33*
3 17	3 43.00	+14 42.0	0.932	0.975	62.8	20.1	61 E	46*	35*
3 27	4 17.33	+12 43.8	0.929	0.948	64.2	20.1	59 E	42*	37*
4 6	4 50.56	+10 26.2	0.917	0.921	66.0	20.1	57 E	37*	40*
4 16	5 22.78	+ 7 51.1	0.894	0.895	68.3	20.0	56 E	32*	42*
4 26	5 54.04	+ 5 1.4	0.860	0.870	71.1	20.0	55 E	26*	44*
5 6	6 24.48	+ 2 1.6	0.814	0.849	74.7	19.9	54 E	20*	46*
5 11	6 39.48	+ 0 30.1	0.786	0.839	76.7	19.9	54 E	17*	46*
5 16	6 54.40	− 1 1.1	0.756	0.831	79.0	19.8	54 E	14*	47*
5 21	7 9.28	− 2 30.9	0.724	0.825	81.4	19.8	54 E	11*	47*
5 26	7 24.19	− 3 57.5	0.689	0.819	83.9	19.8	54 E	8*	47*
5 31	7 39.22	− 5 18.9	0.652	0.816	86.7	19.8	53 E	5*	47*
6 5	7 54.51	− 6 33.0	0.613	0.814	89.6	19.7	53 E	3*	47*
6 10	8 10.20	− 7 37.1	0.572	0.813	92.6	19.7	53 E	1*	47*
6 15	8 26.48	− 8 28.0	0.531	0.815	95.7	19.7	53 E	—	47*
6 20	8 43.58	− 9 1.7	0.490	0.818	98.9	19.7	53 E	—	46*
6 25	9 1.76	− 9 13.0	0.448	0.822	102.2	19.7	52 E	—	46*
6 30	9 21.37	− 8 55.5	0.408	0.828	105.5	19.7	52 E	—	45*
7 5	9 42.82	− 8 1.6	0.369	0.836	108.8	19.6	51 E	—	45*
7 7	9 52.01	− 7 27.8	0.354	0.839	110.0	19.6	51 E	—	45*
7 9	10 1.60	− 6 46.1	0.340	0.843	111.3	19.6	51 E	—	44*
7 11	10 11.60	− 5 55.9	0.326	0.847	112.4	19.6	50 E	2*	44*
7 13	10 22.05	− 4 56.6	0.313	0.851	113.5	19.6	50 E	3*	44*
7 15	10 32.96	− 3 47.6	0.300	0.855	114.4	19.6	50 E	5*	44*
7 20	11 2.38	− 0 9.9	0.272	0.866	116.3	19.5	50 E	10*	43*
7 25	11 34.84	+ 4 32.5	0.251	0.878	116.8	19.4	50 E	16*	42*
7 30	12 10.02	+10 8.2	0.237	0.890	115.7	19.3	52 E	24*	41*
8 4	12 47.09	+16 9.7	0.230	0.903	112.8	19.0	55 E	32*	38*
8 6	13 2.16	+18 33.5	0.230	0.908	111.3	18.9	57 E	36*	37*
8 8	13 17.23	+20 53.2	0.231	0.913	109.5	18.9	58 E	39*	36*
8 10	13 32.22	+23 7.1	0.233	0.919	107.6	18.8	60 E	42*	35*
8 12	13 47.01	+25 13.4	0.236	0.924	105.7	18.7	61 E	46*	34*
8 14	14 1.53	+27 11.3	0.239	0.930	103.6	18.6	63 E	49*	32*
8 16	14 15.71	+29 0.0	0.244	0.935	101.6	18.6	65 E	51*	31*
8 18	14 29.49	+30 39.2	0.249	0.940	99.6	18.6	66 E	54*	30*
8 20	14 42.81	+32 9.2	0.255	0.946	97.7	18.5	68 E	56*	29*
8 22	14 55.65	+33 30.0	0.262	0.951	95.8	18.5	69 E	59*	28*
8 24	15 7.99	+34 42.4	0.268	0.956	93.9	18.5	71 E	61*	27*
8 29	15 36.63	+37 9.5	0.287	0.970	89.7	18.5	74 E	65*	25*
9 3	16 2.33	+38 56.5	0.306	0.983	86.0	18.5	76 E	69*	24*
9 8	16 25.46	+40 12.6	0.325	0.995	82.8	18.5	79 E	71*	23*

199003 2005 WJ_{56} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 13	16 46.49	+41 5.4	0.344	1.008	79.9	18.6	80 E	74*	22*
9 18	17 5.85	+41 40.8	0.361	1.019	77.5	18.6	82 E	75*	21*
9 23	17 23.94	+42 2.6	0.378	1.031	75.3	18.7	83 E	77*	20*
9 28	17 41.11	+42 13.3	0.393	1.041	73.4	18.7	85 E	78*	20*
10 3	17 57.72	+42 14.9	0.407	1.051	71.7	18.8	86 E	79*	20*
10 8	18 14.04	+42 9.0	0.419	1.060	70.2	18.8	87 E	80*	19*
10 13	18 30.28	+41 57.0	0.430	1.068	68.9	18.8	87 E	81*	19*
10 18	18 46.60	+41 39.8	0.439	1.076	67.8	18.9	88 E	82*	19*
10 23	19 3.14	+41 17.7	0.447	1.083	66.8	18.9	89 E	83*	19*
10 28	19 20.00	+40 50.7	0.453	1.088	65.9	18.9	90 E	83*	19*
11 2	19 37.31	+40 19.0	0.458	1.093	65.2	18.9	90 E	83*	19*
11 7	19 55.14	+39 42.7	0.463	1.098	64.6	18.9	91 E	83*	19*
11 12	20 13.54	+39 1.9	0.467	1.101	64.0	18.9	91 E	83*	19*
11 17	20 32.49	+38 16.5	0.470	1.103	63.7	18.9	91 E	83*	19*
11 22	20 51.97	+37 26.0	0.472	1.104	63.4	18.9	91 E	82*	20*
11 27	21 11.97	+36 30.1	0.474	1.105	63.2	18.9	91 E	81*	20*
12 2	21 32.45	+35 28.6	0.477	1.104	63.2	19.0	91 E	80*	21*
12 7	21 53.36	+34 21.4	0.479	1.103	63.3	19.0	91 E	79*	21*
12 12	22 14.58	+33 8.9	0.482	1.101	63.4	19.0	91 E	78	22*
12 17	22 36.00	+31 51.0	0.486	1.098	63.7	19.0	90 E	77	23*
12 22	22 57.50	+30 27.7	0.490	1.094	64.1	19.0	89 E	75	24*
12 27	23 18.98	+28 59.4	0.494	1.089	64.6	19.0	88 E	74*	25*
1 1	23 40.33	+27 26.7	0.500	1.083	65.1	19.1	87 E	72*	27*
1 6	0 1.48	+25 50.3	0.506	1.076	65.8	19.1	86 E	71*	28*
1 11	0 22.31	+24 10.9	0.513	1.068	66.5	19.1	85 E	69*	29*
1 16	0 42.74	+22 29.1	0.521	1.060	67.2	19.2	84 E	67*	31*
1 21	1 2.70	+20 45.3	0.529	1.051	68.0	19.2	82 E	65*	32*

90791 1994 PG_{32}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 41.78	− 4 3.1	2.304	2.089	25.3	21.1	65 E	40*	42*
1 6	22 59.80	− 2 14.1	2.444	2.126	23.5	21.2	60 E	40*	36*
1 16	23 17.77	− 0 22.8	2.582	2.163	21.7	21.3	54 E	39*	30*
1 26	23 35.66	+ 1 30.1	2.713	2.200	19.8	21.4	49 E	37*	25*
2 5	23 53.46	+ 3 23.6	2.839	2.235	17.8	21.4	44 E	34*	20*
2 15	0 11.20	+ 5 16.8	2.957	2.270	15.7	21.5	39 E	30*	16*

52453 1994 WC

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 42.11	−13 40.3	1.876	1.653	31.6	18.8	62 E	31*	46*
1 6	23 6.17	−10 11.5	1.966	1.671	30.0	18.9	58 E	33*	41*
1 16	23 29.80	− 6 43.0	2.058	1.692	28.3	19.0	55 E	35*	36*
1 26	23 53.09	− 3 17.0	2.152	1.716	26.6	19.0	51 E	35*	31*
2 5	0 16.08	+ 0 4.3	2.247	1.742	24.7	19.1	48 E	34*	27*
2 15	0 38.87	+ 3 19.2	2.343	1.771	22.8	19.2	44 E	33*	23*
2 25	1 1.53	+ 6 26.3	2.438	1.802	20.8	19.2	40 E	31*	20*
3 7	1 24.12	+ 9 24.1	2.533	1.834	18.8	19.3	37 E	28*	17*
3 17	1 46.70	+12 11.7	2.625	1.868	16.8	19.3	33 E	25*	14*
3 27	2 9.32	+14 48.1	2.714	1.904	14.7	19.4	29 E	21*	12*
4 6	2 31.98	+17 12.5	2.799	1.940	12.6	19.4	25 E	18*	9*
4 16	2 54.73	+19 24.4	2.880	1.977	10.6	19.4	21 E	14*	7*
4 26	3 17.55	+21 23.3	2.954	2.015	8.5	19.5	17 E	10*	4*
5 6	3 40.40	+23 8.9	3.022	2.053	6.5	19.5	13 E	7*	1*
5 16	4 3.28	+24 41.1	3.083	2.092	4.5	19.4	9 E	3*	—
5 26	4 26.11	+25 59.8	3.136	2.131	2.9	19.4	6 E	—	—
6 5	4 48.82	+27 5.3	3.180	2.170	2.2	19.4	5 W	—	—
6 15	5 11.36	+27 58.0	3.215	2.209	3.1	19.6	7 W	1*	—
6 25	5 33.61	+28 38.5	3.239	2.248	4.8	19.7	11 W	4*	—
7 5	5 55.50	+29 7.4	3.253	2.286	6.6	19.9	15 W	7*	3*
7 15	6 16.93	+29 25.8	3.256	2.325	8.5	20.0	20 W	12*	6*
7 25	6 37.81	+29 34.7	3.248	2.362	10.3	20.1	25 W	16*	8*
8 4	6 58.05	+29 35.3	3.229	2.400	12.1	20.2	30 W	22*	11*
8 14	7 17.56	+29 29.1	3.198	2.436	13.7	20.2	35 W	27*	13*
8 24	7 36.26	+29 17.5	3.155	2.473	15.3	20.3	40 W	33*	15*
9 3	7 54.06	+29 2.2	3.101	2.508	16.8	20.4	46 W	39*	17*
9 13	8 10.86	+28 44.9	3.036	2.543	18.2	20.4	52 W	45*	19*
9 23	8 26.57	+28 27.6	2.960	2.577	19.3	20.4	58 W	51*	21*
10 3	8 41.08	+28 12.3	2.875	2.611	20.3	20.4	65 W	57*	24*
10 13	8 54.24	+28 1.0	2.781	2.644	21.0	20.4	72 W	63*	26*
10 23	9 5.88	+27 56.0	2.681	2.675	21.4	20.3	79 W	69*	28*
11 2	9 15.82	+27 59.5	2.575	2.707	21.5	20.3	87 W	72*	30*
11 12	9 23.79	+28 13.5	2.468	2.737	21.1	20.2	95 W	73	32*
11 22	9 29.52	+28 39.8	2.361	2.766	20.3	20.1	104 W	74	34*
12 2	9 32.70	+29 19.4	2.258	2.795	19.0	20.0	113 W	74	35*
12 12	9 33.04	+30 12.1	2.165	2.823	17.0	19.8	123 W	75	34
12 22	9 30.30	+31 15.6	2.085	2.849	14.6	19.7	133 W	76	33
1 1	9 24.46	+32 25.4	2.024	2.875	11.7	19.5	144 W	77	32
1 6	9 20.43	+33 0.6	2.002	2.888	10.2	19.5	149 W	78	31
1 11	9 15.75	+33 34.7	1.986	2.900	8.7	19.4	154 W	79	30
1 16	9 10.52	+34 6.5	1.977	2.912	7.3	19.3	158 W	79	30
1 21	9 4.88	+34 35.1	1.976	2.924	6.2	19.3	161 W	80	29

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		424214 2007 RF_{36}							
	h m	° ′			°	m	°	°	°
12 27	22 42.28	− 5 40.7	1.801	1.639	32.8	21.4	65 E	39*	43*
1 6	23 6.17	− 3 1.6	1.879	1.643	31.5	21.5	61 E	40*	37*
1 16	23 30.29	− 0 18.2	1.958	1.649	30.1	21.5	57 E	41*	33*
1 26	23 54.60	+ 2 27.3	2.037	1.658	28.6	21.6	54 E	40*	29*
2 5	0 19.09	+ 5 12.2	2.116	1.670	27.1	21.7	50 E	39*	25*
		357152 2002 CO_{15}							
12 27	22 42.85	−20 40.8	1.651	1.433	36.3	20.6	60 E	24*	49*
1 6	23 11.29	−20 3.9	1.695	1.412	35.4	20.6	56 E	24*	45*
1 16	23 40.41	−19 3.4	1.733	1.396	34.6	20.6	54 E	23*	43*
1 26	0 10.08	−17 41.5	1.767	1.384	33.7	20.6	51 E	23*	41*
2 5	0 40.18	−16 0.9	1.798	1.377	32.9	20.7	49 E	23*	39*
2 15	1 10.66	−14 4.2	1.827	1.374	32.2	20.7	48 E	22*	38*
2 25	1 41.47	−11 54.8	1.855	1.376	31.5	20.7	47 E	22*	37*
3 7	2 12.55	− 9 36.2	1.884	1.383	30.8	20.7	45 E	21*	37*
3 17	2 43.85	− 7 12.5	1.916	1.394	30.0	20.7	45 E	20*	36*
3 27	3 15.32	− 4 48.2	1.952	1.410	29.2	20.8	44 E	18*	36*
4 6	3 46.83	− 2 27.6	1.994	1.430	28.3	20.8	43 E	17*	35*
4 16	4 18.32	− 0 15.1	2.042	1.454	27.3	20.9	42 E	15*	34*
4 26	4 49.62	+ 1 45.4	2.097	1.481	26.1	20.9	40 E	13*	33*
5 6	5 20.59	+ 3 30.8	2.159	1.510	24.7	21.0	39 E	10*	32*
5 16	5 51.09	+ 4 59.2	2.226	1.543	23.2	21.1	37 E	7*	31*
5 26	6 20.98	+ 6 9.1	2.298	1.577	21.5	21.1	35 E	4*	29*
6 5	6 50.13	+ 7 0.4	2.375	1.613	19.7	21.2	32 E	1*	26*
6 15	7 18.46	+ 7 33.7	2.453	1.650	17.8	21.3	30 E	—	24*
6 25	7 45.89	+ 7 50.0	2.532	1.688	15.8	21.3	27 E	—	21*
7 5	8 12.40	+ 7 51.0	2.609	1.727	13.7	21.4	24 E	—	17*
7 15	8 37.97	+ 7 38.4	2.684	1.766	11.5	21.4	20 E	—	14*
7 25	9 2.63	+ 7 14.0	2.755	1.805	9.3	21.4	17 E	—	10*
8 4	9 26.42	+ 6 40.0	2.819	1.845	7.1	21.4	13 E	—	5*
8 14	9 49.38	+ 5 58.0	2.877	1.884	5.0	21.4	9 E	—	1*
8 24	10 11.57	+ 5 9.9	2.925	1.923	3.2	21.4	6 E	—	—
9 3	10 33.05	+ 4 17.5	2.964	1.961	2.5	21.4	5 W	—	—
		328563 Mosplanetarium							
12 27	22 43.06	− 1 20.6	1.978	1.825	29.6	20.9	66 E	43*	40*
1 6	23 5.98	+ 0 23.2	2.096	1.856	28.0	21.0	62 E	43*	35*
1 16	23 28.61	+ 2 11.3	2.215	1.889	26.2	21.1	58 E	43*	31*
1 26	23 50.95	+ 4 1.8	2.334	1.923	24.4	21.2	54 E	41*	27*
2 5	0 13.01	+ 5 53.0	2.451	1.958	22.5	21.3	49 E	39*	23*
2 15	0 34.81	+ 7 43.2	2.567	1.993	20.5	21.4	45 E	36*	20*
2 25	0 56.39	+ 9 31.1	2.679	2.030	18.4	21.4	40 E	32*	17*
3 7	1 17.77	+11 15.2	2.787	2.067	16.4	21.5	36 E	28*	15*
		2335 James							
12 27	22 43.28	−21 35.3	2.345	2.031	24.7	18.1	60 E	23*	49*
1 6	22 56.30	−18 0.4	2.408	1.987	23.4	18.1	54 E	25*	41*
1 16	23 10.21	−14 24.4	2.462	1.942	22.0	18.1	48 E	26*	34*
1 26	23 24.91	−10 46.8	2.508	1.896	20.4	18.0	42 E	25*	28*
2 5	23 40.31	− 7 6.9	2.544	1.851	18.6	17.9	37 E	24*	22*
2 15	23 56.44	− 3 24.0	2.570	1.805	16.7	17.8	32 E	21*	17*
2 25	0 13.30	+ 0 22.0	2.585	1.760	14.7	17.7	27 E	18*	12*
3 7	0 30.96	+ 4 11.5	2.590	1.715	12.8	17.6	22 E	15*	8*
3 17	0 49.55	+ 8 4.7	2.586	1.671	10.8	17.5	18 E	12*	4*
3 27	1 9.22	+12 1.2	2.572	1.628	9.1	17.3	15 E	9*	—
4 6	1 30.19	+16 0.3	2.550	1.587	7.7	17.2	12 E	6*	—
4 16	1 52.75	+20 0.9	2.522	1.547	7.0	17.1	11 E	4*	—
4 26	2 17.25	+24 1.0	2.488	1.510	7.1	17.0	11 E	3*	—
5 6	2 44.11	+27 57.1	2.450	1.476	7.9	17.0	12 W	4*	—
5 11	2 58.58	+29 52.2	2.430	1.460	8.5	16.9	12 W	5*	—
5 16	3 13.83	+31 44.4	2.411	1.445	9.2	16.9	13 W	6*	—
5 21	3 29.92	+33 32.7	2.391	1.431	10.0	16.9	14 W	7*	—
5 26	3 46.91	+35 16.0	2.371	1.418	10.8	16.9	15 W	8*	—
5 31	4 4.85	+36 53.1	2.353	1.407	11.5	16.9	16 W	9*	—
6 5	4 23.77	+38 22.7	2.335	1.396	12.2	16.9	17 W	10*	—
6 10	4 43.68	+39 43.3	2.318	1.387	12.9	16.9	18 W	11*	—
6 15	5 4.54	+40 53.4	2.303	1.379	13.6	16.9	19 W	12*	—
6 20	5 26.30	+41 51.5	2.289	1.372	14.2	16.9	19 W	12*	—
6 25	5 48.83	+42 36.2	2.277	1.366	14.7	16.9	20 W	13*	—
6 30	6 11.98	+43 6.3	2.267	1.362	15.2	16.9	21 W	13*	—
7 5	6 35.54	+43 20.8	2.260	1.360	15.5	16.9	21 W	13*	—
7 10	6 59.28	+43 19.3	2.254	1.359	15.8	16.9	21 W	13*	—
7 15	7 22.95	+43 1.7	2.251	1.359	16.0	16.9	22 W	13*	—
7 20	7 46.30	+42 28.3	2.250	1.361	16.2	16.9	22 W	13*	—
7 25	8 9.11	+41 39.8	2.251	1.364	16.2	16.9	22 W	12*	—
7 30	8 31.21	+40 37.5	2.255	1.368	16.2	16.9	22 W	12*	—
8 4	8 52.47	+39 22.7	2.261	1.374	16.1	16.9	22 W	12*	—
8 9	9 12.80	+37 56.9	2.268	1.382	16.0	16.9	22 W	11*	—
8 14	9 32.17	+36 21.7	2.278	1.390	15.8	17.0	22 W	11*	—
8 19	9 50.55	+34 38.8	2.289	1.400	15.6	17.0	22 W	11*	—
8 24	10 7.99	+32 49.7	2.301	1.411	15.3	17.0	22 W	11*	—

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		2335 James *(continuation)*							
	h m	° ′			°	m	°	°	°
8 29	10 24.51	+30 55.8	2.314	1.423	15.1	17.0	21 W	11*	—
9 3	10 40.19	+28 58.2	2.328	1.437	14.8	17.0	21 W	11*	—
9 8	10 55.08	+26 58.2	2.343	1.451	14.6	17.1	21 W	11*	—
9 13	11 9.24	+24 56.6	2.357	1.466	14.4	17.1	21 W	11*	—
9 18	11 22.74	+22 54.4	2.372	1.483	14.3	17.1	21 W	12*	—
9 23	11 35.63	+20 52.2	2.386	1.500	14.3	17.2	22 W	13*	—
10 3	11 59.85	+16 49.9	2.412	1.536	14.4	17.3	22 W	15*	—
10 13	12 22.29	+12 53.1	2.433	1.575	14.9	17.3	24 W	17*	—
10 23	12 43.27	+ 9 3.8	2.447	1.616	15.8	17.4	26 W	20*	—
11 2	13 3.04	+ 5 23.0	2.453	1.658	16.9	17.5	29 W	23*	4*
11 12	13 21.78	+ 1 51.3	2.449	1.702	18.3	17.6	33 W	26*	9*
11 22	13 39.61	− 1 31.3	2.435	1.747	19.8	17.7	37 W	28*	14*
12 2	13 56.59	− 4 45.6	2.409	1.792	21.3	17.8	41 W	30*	20*
12 12	14 12.75	− 7 52.0	2.372	1.837	22.8	17.9	46 W	31*	27*
12 22	14 28.04	−10 51.6	2.323	1.883	24.3	17.9	52 W	31*	35*
1 1	14 42.38	−13 45.7	2.263	1.928	25.6	18.0	58 W	30*	43*
1 11	14 55.63	−16 35.9	2.194	1.973	26.6	18.0	64 W	28*	51*
1 21	15 7.57	−19 23.6	2.115	2.018	27.4	18.0	71 W	26*	60*
		20460 Robwhiteley							
12 27	22 43.94	+29 8.5	2.602	2.645	21.6	20.4	82 E	73*	20*
1 6	22 57.95	+28 41.7	2.717	2.648	21.1	20.5	75 E	69*	16*
1 16	23 12.85	+28 31.7	2.830	2.650	20.3	20.6	69 E	63*	12*
1 26	23 28.48	+28 36.6	2.938	2.649	19.4	20.6	64 E	57*	9*
2 5	23 44.70	+28 54.3	3.039	2.648	18.4	20.7	58 E	51*	5*
2 15	0 1.47	+29 22.8	3.132	2.644	17.2	20.7	52 E	45*	2*
2 25	0 18.70	+30 0.3	3.216	2.639	15.9	20.7	47 E	39*	—
3 7	0 36.36	+30 44.9	3.289	2.632	14.5	20.7	42 E	34*	—
3 17	0 54.42	+31 34.8	3.351	2.623	13.1	20.7	37 E	28*	—
3 27	1 12.87	+32 28.4	3.402	2.612	11.7	20.7	32 E	23*	—
4 6	1 31.70	+33 24.0	3.440	2.600	10.4	20.6	28 E	19*	—
4 16	1 50.90	+34 20.3	3.465	2.586	9.3	20.6	25 E	14*	—
4 26	2 10.47	+35 15.9	3.476	2.570	8.4	20.5	22 W	11*	—
5 6	2 30.39	+36 9.3	3.475	2.552	7.9	20.5	20 W	12*	—
5 16	2 50.66	+36 59.4	3.459	2.533	7.8	20.5	20 W	13*	—
5 26	3 11.25	+37 45.2	3.430	2.512	8.3	20.5	21 W	15*	—
6 5	3 32.12	+38 25.4	3.388	2.489	9.3	20.4	23 W	17*	1*
6 15	3 53.24	+38 59.2	3.332	2.464	10.6	20.4	26 W	20*	4*
6 25	4 14.52	+39 25.6	3.264	2.438	12.0	20.4	30 W	23*	7*
7 5	4 35.91	+39 44.0	3.183	2.409	13.7	20.4	34 W	27*	9*
7 15	4 57.31	+39 53.7	3.089	2.379	15.4	20.4	38 W	31*	11*
7 25	5 18.60	+39 54.2	2.984	2.347	17.2	20.3	43 W	36*	13*
8 4	5 39.68	+39 45.1	2.868	2.313	19.0	20.3	48 W	40*	15*
8 14	6 0.42	+39 26.2	2.742	2.278	20.8	20.2	53 W	46*	16*
8 24	6 20.66	+38 57.1	2.606	2.241	22.5	20.1	58 W	51*	18*
9 3	6 40.28	+38 17.8	2.462	2.201	24.2	20.0	63 W	56*	19*
9 13	6 59.10	+37 28.2	2.310	2.161	25.7	19.9	69 W	62*	21*
9 23	7 16.92	+36 28.0	2.152	2.118	27.2	19.7	75 W	67*	23*
10 3	7 33.58	+35 16.9	1.988	2.073	28.4	19.5	81 W	73*	25*
10 13	7 48.80	+33 54.1	1.822	2.027	29.4	19.3	87 W	77*	27*
10 18	7 55.77	+33 7.9	1.737	2.004	29.8	19.2	90 W	77*	29*
10 23	8 2.27	+32 18.3	1.653	1.979	30.1	19.1	93 W	77*	30*
10 28	8 8.25	+31 24.8	1.569	1.955	30.3	18.9	97 W	76	31*
11 2	8 13.64	+30 27.2	1.485	1.930	30.4	18.8	100 W	75	33*
11 7	8 18.37	+29 24.9	1.402	1.905	30.3	18.6	104 W	74	34*
11 12	8 22.36	+28 17.3	1.319	1.879	30.1	18.5	108 W	73	36*
11 17	8 25.53	+27 3.6	1.238	1.853	29.6	18.3	112 W	72	37*
11 22	8 27.79	+25 42.7	1.159	1.827	29.0	18.1	116 W	71	38
11 27	8 29.01	+24 13.3	1.082	1.800	28.1	17.9	121 W	69	40
12 2	8 29.05	+22 34.1	1.008	1.773	26.9	17.7	126 W	68	41
12 7	8 27.79	+20 43.2	0.937	1.746	25.4	17.4	131 W	66	43
12 12	8 25.06	+18 38.6	0.869	1.718	23.6	17.2	136 W	64	45
12 17	8 20.75	+16 18.3	0.807	1.690	21.4	16.9	141 W	61	48
12 22	8 14.73	+13 40.2	0.750	1.662	18.9	16.6	147 W	59	50
12 27	8 6.92	+10 43.1	0.699	1.634	16.4	16.4	152 W	56	53
1 1	7 57.29	+ 7 26.8	0.655	1.606	14.1	16.1	157 W	52	57
1 6	7 45.96	+ 3 53.5	0.620	1.578	12.9	15.9	159 W	49	60
1 11	7 33.17	+ 0 7.7	0.593	1.549	13.6	15.8	158 W	45	64
1 16	7 19.35	− 3 43.5	0.574	1.521	16.4	15.8	154 E	41	68
1 21	7 4.98	− 7 31.3	0.564	1.493	20.5	15.8	148 E	37	72
		96155 1973 HA							
12 27	22 44.34	−28 54.4	4.259	3.831	12.6	21.3	58 E	16*	51*
1 6	22 52.67	−27 21.4	4.374	3.829	11.5	21.3	51 E	16*	43*
1 16	23 1.70	−25 48.5	4.475	3.826	10.2	21.3	44 E	14*	36*
1 26	23 11.27	−24 16.2	4.561	3.822	8.9	21.3	37 E	12*	30*
2 5	23 21.26	−22 44.8	4.632	3.817	7.6	21.3	31 E	8*	24*
2 15	23 31.57	−21 14.8	4.685	3.811	6.2	21.2	25 E	3*	19*
2 25	23 42.11	−19 46.6	4.720	3.804	5.1	21.2	20 E	—	14*
3 7	23 52.78	−18 20.7	4.737	3.797	4.3	21.2	17 E	—	9*
3 17	0 3.53	−16 57.4	4.735	3.789	4.2	21.1	16 E	—	5*

96155 1973 *HA* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	0 14.28	−15 37.4	4.715	3.780	4.7	21.2	18 W	—	4*
4 6	0 24.97	−14 21.0	4.676	3.770	5.8	21.2	22 W	—	11*
4 16	0 35.55	−13 8.8	4.620	3.760	7.1	21.2	28 W	—	18*
4 26	0 45.94	−12 1.3	4.547	3.748	8.5	21.2	33 W	—	25*
5 6	0 56.08	−10 59.1	4.457	3.736	9.9	21.3	40 W	—	32*
5 16	1 5.89	−10 2.6	4.353	3.723	11.3	21.2	46 W	—	39*
5 26	1 15.30	− 9 12.7	4.235	3.709	12.5	21.2	53 W	1*	46*
6 5	1 24.20	− 8 29.6	4.105	3.695	13.7	21.2	60 W	6*	54*
6 15	1 32.48	− 7 54.2	3.964	3.679	14.7	21.1	67 W	11*	60*
6 25	1 40.02	− 7 27.1	3.815	3.663	15.5	21.1	74 W	16*	66*
7 5	1 46.66	− 7 8.6	3.659	3.646	16.0	21.0	81 W	22*	70*
7 15	1 52.24	− 6 59.4	3.500	3.628	16.3	20.9	89 W	28*	71
7 25	1 56.54	− 6 59.9	3.339	3.609	16.2	20.8	97 W	33*	71
8 4	1 59.38	− 7 10.1	3.181	3.590	15.8	20.6	106 W	36*	71
8 14	2 0.54	− 7 29.8	3.029	3.570	15.0	20.5	114 W	37*	71
8 24	1 59.80	− 7 58.1	2.887	3.548	13.7	20.3	124 W	37	72
9 3	1 57.05	− 8 33.2	2.759	3.526	12.0	20.2	133 W	36	73
9 13	1 52.23	− 9 12.6	2.649	3.504	10.0	20.0	143 W	36	73
9 23	1 45.46	− 9 52.3	2.563	3.480	7.8	19.8	152 W	35	74
10 3	1 37.08	−10 27.7	2.502	3.456	5.9	19.7	159 W	35	74
10 13	1 27.64	−10 53.8	2.471	3.430	5.4	19.6	161 W	34	75
10 23	1 17.89	−11 6.3	2.470	3.404	6.8	19.6	156 E	34	75
11 2	1 8.59	−11 2.4	2.497	3.377	9.1	19.7	148 E	34	75
11 12	1 0.49	−10 41.1	2.551	3.349	11.5	19.9	138 E	34	75
11 22	0 54.13	−10 3.0	2.627	3.321	13.7	20.0	127 E	35	74
12 2	0 49.82	− 9 10.1	2.721	3.291	15.4	20.1	117 E	36	73
12 12	0 47.69	− 8 4.5	2.827	3.261	16.7	20.2	107 E	37	72
12 22	0 47.71	− 6 48.7	2.942	3.230	17.5	20.3	98 E	38	69*
1 1	0 49.72	− 5 24.8	3.059	3.198	17.9	20.4	89 E	40	63*
1 11	0 53.55	− 3 54.3	3.176	3.166	17.8	20.4	80 E	41	56*
1 21	0 58.99	− 2 18.9	3.289	3.132	17.4	20.5	72 E	42*	48*

5720 Halweaver

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 44.40	−26 52.0	3.113	2.731	17.9	19.3	59 E	18*	50*
1 6	22 56.27	−24 38.0	3.200	2.708	16.6	19.3	52 E	18*	43*
1 16	23 8.86	−22 22.6	3.276	2.684	15.2	19.3	46 E	18*	37*
1 26	23 22.04	−20 6.2	3.341	2.658	13.7	19.2	40 E	17*	31*
2 5	23 35.69	−17 49.1	3.393	2.632	12.0	19.2	34 E	14*	25*
2 15	23 49.75	−15 31.3	3.434	2.605	10.3	19.1	28 E	11*	21*
2 25	0 4.16	−13 13.3	3.460	2.577	8.6	19.0	23 E	7*	16*
3 7	0 18.86	−10 55.3	3.474	2.548	6.9	18.9	18 E	2*	12*
3 17	0 33.85	− 8 37.6	3.474	2.519	5.4	18.9	14 E	—	8*
3 27	0 49.09	− 6 20.5	3.460	2.488	4.4	18.8	11 E	—	4*
4 6	1 4.59	− 4 4.4	3.434	2.457	4.3	18.7	10 E	—	—
4 16	1 20.34	− 1 49.5	3.395	2.425	5.1	18.7	12 W	—	3*
4 26	1 36.35	+ 0 23.8	3.343	2.392	6.6	18.7	16 W	—	8*
5 6	1 52.62	+ 2 35.2	3.280	2.359	8.4	18.7	20 W	—	13*
5 16	2 9.19	+ 4 44.6	3.206	2.324	10.4	18.7	25 W	—	18*
5 26	2 26.06	+ 6 51.7	3.122	2.290	12.4	18.7	29 W	—	23*
6 5	2 43.25	+ 8 56.2	3.028	2.255	14.4	18.7	34 W	4*	27*
6 15	3 0.78	+10 58.2	2.925	2.219	16.5	18.6	38 W	9*	31*
6 25	3 18.67	+12 57.5	2.814	2.183	18.5	18.6	43 W	14*	34*
7 5	3 36.95	+14 54.2	2.697	2.146	20.5	18.5	48 W	21*	36*
7 15	3 55.62	+16 48.4	2.574	2.110	22.4	18.4	52 W	27*	38*
7 25	4 14.70	+18 40.5	2.445	2.073	24.2	18.4	57 W	34*	38*
8 4	4 34.22	+20 31.1	2.313	2.037	26.0	18.2	62 W	41*	38*
8 14	4 54.17	+22 20.7	2.178	2.000	27.6	18.1	66 W	48*	38*
8 24	5 14.56	+24 10.5	2.042	1.964	29.2	18.0	71 W	54*	37*
9 3	5 35.41	+26 1.9	1.906	1.928	30.5	17.8	76 W	60*	36*
9 13	5 56.71	+27 56.6	1.770	1.893	31.7	17.7	81 W	66*	35*
9 23	6 18.45	+29 56.9	1.637	1.858	32.6	17.5	86 W	72*	33*
10 3	6 40.65	+32 5.5	1.509	1.825	33.2	17.3	91 W	76*	31*
10 13	7 3.26	+34 25.5	1.386	1.793	33.6	17.1	96 W	79	29*
10 23	7 26.25	+37 0.2	1.270	1.762	33.6	16.9	101 W	82	27*
11 2	7 49.56	+39 53.0	1.164	1.733	33.3	16.6	107 W	85	24*
11 7	8 1.29	+41 27.0	1.115	1.719	33.0	16.5	109 W	86	22*
11 12	8 13.03	+43 6.3	1.068	1.706	32.6	16.4	112 W	88	21*
11 17	8 24.75	+44 50.8	1.025	1.693	32.1	16.3	114 W	90	19*
11 22	8 36.43	+46 40.4	0.985	1.681	31.6	16.1	117 W	88	17
11 27	8 47.98	+48 34.8	0.949	1.670	31.1	16.0	119 W	86	15
12 2	8 59.33	+50 33.3	0.916	1.659	30.5	15.9	121 W	84	13
12 7	9 10.36	+52 34.8	0.887	1.648	29.9	15.8	123 W	82	11
12 12	9 20.95	+54 38.2	0.861	1.639	29.4	15.7	125 W	80	9
12 17	9 30.93	+56 41.8	0.839	1.630	29.0	15.7	127 W	78	7
12 22	9 40.13	+58 43.9	0.821	1.622	28.6	15.6	128 W	76	5
12 27	9 48.29	+60 42.7	0.806	1.615	28.4	15.5	129 W	74	3
1 1	9 55.12	+62 36.0	0.795	1.609	28.3	15.5	129 W	72	1
1 6	10 0.30	+64 21.6	0.787	1.603	28.3	15.5	129 W	71	—
1 11	10 3.56	+65 56.9	0.782	1.598	28.4	15.4	129 W	69	—
1 16	10 4.67	+67 19.8	0.780	1.594	28.6	15.4	129 W	68	—
1 21	10 3.51	+68 27.9	0.780	1.591	28.9	15.4	129 W	67	—

481542 2007 RF_5

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	22 45.32	− 0 19.8	1.408	1.374	41.4	21.5	67 E	44*	40*
1 1	22 55.70	+ 1 49.2	1.467	1.389	40.2	21.5	66 E	46*	37*
1 6	23 5.91	+ 3 52.7	1.525	1.403	39.0	21.6	64 E	47*	33*
1 11	23 16.02	+ 5 51.4	1.581	1.416	37.8	21.7	62 E	47*	30*
1 16	23 26.07	+ 7 45.9	1.636	1.428	36.7	21.7	60 E	48*	27*

70056 1999 JJ_8

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 45.79	− 1 0.5	2.064	1.913	28.3	19.3	67 E	43*	41*
1 6	23 7.87	− 0 16.2	2.196	1.947	26.6	19.5	62 E	43*	36*
1 16	23 29.56	+ 0 38.2	2.327	1.981	24.8	19.6	58 E	41*	32*
1 26	23 50.88	+ 1 40.3	2.456	2.016	22.8	19.7	53 E	39*	28*
2 5	0 11.82	+ 2 47.5	2.581	2.052	20.8	19.7	48 E	36*	25*
2 15	0 32.45	+ 3 57.9	2.701	2.087	18.7	19.8	43 E	33*	22*
2 25	0 52.80	+ 5 9.7	2.816	2.123	16.6	19.9	38 E	28*	19*
3 7	1 12.87	+ 6 21.0	2.923	2.158	14.5	19.9	33 E	24*	16*
3 17	1 32.73	+ 7 30.6	3.022	2.193	12.3	19.9	28 E	19*	14*
3 27	1 52.37	+ 8 36.9	3.112	2.228	10.1	20.0	23 E	14*	11*
4 6	2 11.83	+ 9 38.9	3.192	2.263	7.9	20.0	18 E	9*	9*
4 16	2 31.10	+10 35.5	3.261	2.297	5.9	19.9	14 E	4*	6*
4 26	2 50.18	+11 25.8	3.319	2.331	3.9	19.9	9 E	—	3*
5 6	3 9.06	+12 9.1	3.365	2.364	2.6	19.9	6 E	—	—
5 16	3 27.73	+12 44.6	3.399	2.396	2.7	19.9	6 W	—	—
5 26	3 46.14	+13 11.7	3.420	2.428	4.1	20.1	10 W	—	3*
6 5	4 4.26	+13 30.1	3.429	2.459	5.9	20.2	14 W	—	8*
6 15	4 22.05	+13 39.4	3.425	2.490	7.8	20.3	19 W	—	13*
6 25	4 39.43	+13 39.3	3.408	2.519	9.7	20.4	25 W	1*	18*
7 5	4 56.34	+13 29.7	3.379	2.548	11.5	20.5	30 W	6*	23*
7 15	5 12.71	+13 10.4	3.338	2.576	13.2	20.5	35 W	11*	28*
7 25	5 28.45	+12 41.6	3.284	2.604	14.8	20.6	41 W	17*	32*
8 4	5 43.45	+12 3.2	3.219	2.630	16.3	20.6	47 W	23*	35*
8 14	5 57.62	+11 15.6	3.143	2.656	17.7	20.6	53 W	29*	39*
8 24	6 10.81	+10 18.9	3.058	2.680	18.9	20.6	59 W	35*	43*
9 3	6 22.89	+ 9 13.6	2.963	2.704	19.8	20.6	65 W	40*	46*
9 13	6 33.70	+ 8 0.2	2.861	2.727	20.6	20.6	72 W	45*	50*
9 23	6 43.05	+ 6 39.3	2.754	2.749	21.0	20.5	79 W	48*	53*
10 3	6 50.74	+ 5 12.0	2.642	2.769	21.1	20.5	87 W	50*	57*
10 13	6 56.52	+ 3 39.3	2.530	2.789	20.9	20.4	94 W	49	60*
10 23	7 0.16	+ 2 3.3	2.419	2.809	20.2	20.3	103 W	47	62*
11 2	7 1.44	+ 0 26.1	2.313	2.827	19.1	20.1	111 W	45	64
11 12	7 0.16	− 1 8.7	2.217	2.844	17.6	20.0	120 W	44	65
11 22	6 56.27	− 2 37.0	2.134	2.860	15.6	19.9	129 W	42	67
11 27	6 53.38	− 3 17.0	2.099	2.868	14.5	19.8	133 W	42	67
12 2	6 49.90	− 3 53.5	2.069	2.875	13.4	19.7	138 W	41	68
12 7	6 45.89	− 4 25.7	2.045	2.882	12.3	19.7	142 W	41	68
12 12	6 41.43	− 4 52.9	2.026	2.889	11.2	19.6	145 W	40	69
12 22	6 31.56	− 5 30.5	2.008	2.903	9.7	19.6	150 W	39	70
1 1	6 21.22	− 5 43.5	2.018	2.915	9.5	19.6	151 E	39	70
1 11	6 11.41	− 5 31.8	2.054	2.926	10.6	19.7	147 E	39	70
1 21	6 3.05	− 4 58.5	2.116	2.937	12.5	19.8	140 E	40	69

306722 2000 WF_{107}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 45.91	−32 8.8	1.842	1.559	32.3	19.6	58 E	12*	51*
1 1	23 0.51	−30 37.8	1.858	1.553	31.9	19.6	57 E	14*	50*
1 6	23 15.06	−29 1.0	1.876	1.547	31.6	19.6	55 E	15*	48*
1 11	23 29.52	−27 18.8	1.893	1.543	31.2	19.6	54 E	16*	47*
1 16	23 43.88	−25 31.9	1.911	1.540	30.8	19.6	53 E	17*	45*
1 21	23 58.14	−23 40.7	1.930	1.538	30.4	19.6	52 E	19*	44*
1 26	0 12.27	−21 45.9	1.949	1.537	29.9	19.6	51 E	20*	43*
1 31	0 26.28	−19 48.1	1.970	1.538	29.5	19.6	50 E	20*	41*
2 5	0 40.16	−17 48.0	1.992	1.539	29.0	19.6	49 E	21*	40*
2 10	0 53.94	−15 46.1	2.015	1.542	28.4	19.6	48 E	22*	39*
2 15	1 7.60	−13 43.3	2.040	1.547	27.9	19.6	47 E	22*	37*
2 20	1 21.17	−11 40.1	2.066	1.552	27.3	19.7	46 E	23*	36*
2 25	1 34.63	− 9 37.4	2.094	1.559	26.6	19.7	45 E	23*	35*
3 2	1 48.00	− 7 35.6	2.123	1.567	26.0	19.7	44 E	23*	34*
3 7	2 1.30	− 5 35.5	2.154	1.575	25.3	19.7	43 E	22*	32*
3 17	2 27.69	− 1 42.2	2.220	1.596	23.8	19.8	40 E	22*	30*
3 27	2 53.85	+ 1 58.4	2.292	1.621	22.1	19.8	38 E	20*	28*
4 6	3 19.83	+ 5 23.2	2.368	1.650	20.3	19.9	35 E	18*	25*
4 16	3 45.67	+ 8 30.0	2.447	1.682	18.4	19.9	32 E	15*	23*
4 26	4 11.36	+11 17.2	2.528	1.717	16.4	20.0	29 E	12*	20*
5 6	4 36.88	+13 44.2	2.610	1.754	14.3	20.0	26 E	9*	17*
5 16	5 2.23	+15 50.7	2.690	1.793	12.2	20.0	22 E	6*	15*
5 26	5 27.34	+17 37.1	2.768	1.835	10.0	20.1	18 E	3*	11*
6 5	5 52.15	+19 4.2	2.842	1.877	7.8	20.1	15 E	—	8*
6 15	6 16.61	+20 13.0	2.911	1.921	5.6	20.1	11 E	—	4*
6 25	6 40.64	+21 5.0	2.973	1.966	3.3	20.1	6 E	—	—
7 5	7 4.19	+21 41.5	3.028	2.012	1.1	20.0	2 E	—	—
7 15	7 27.19	+22 4.4	3.073	2.058	1.2	20.1	2 W	—	—
7 25	7 49.58	+22 15.3	3.109	2.104	3.3	20.3	7 W	—	—

306722 2000 WF_{107} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 4	8 11.34	+22 16.2	3.135	2.151	5.5	20.5	12 W	5*	1*
8 14	8 32.44	+22 8.7	3.150	2.197	7.5	20.6	17 W	10*	3*
8 24	8 52.82	+21 54.9	3.153	2.244	9.5	20.8	22 W	15*	6*
9 3	9 12.50	+21 36.7	3.144	2.290	11.5	20.9	27 W	20*	8*
9 13	9 31.43	+21 16.1	3.123	2.336	13.3	21.0	32 W	26*	10*
9 23	9 49.60	+20 55.1	3.090	2.381	15.0	21.1	38 W	31*	12*
10 3	10 6.97	+20 35.8	3.046	2.426	16.6	21.1	44 W	37*	14*
10 13	10 23.51	+20 20.3	2.989	2.470	18.0	21.2	50 W	43*	17*
10 23	10 39.15	+20 10.9	2.923	2.514	19.3	21.2	56 W	49*	20*
11 2	10 53.82	+20 9.9	2.846	2.557	20.3	21.2	63 W	55*	23*
11 12	11 7.41	+20 19.8	2.762	2.599	21.0	21.2	70 W	60*	26*
11 22	11 19.78	+20 43.0	2.671	2.640	21.4	21.2	78 W	64*	29*
12 2	11 30.77	+21 21.9	2.576	2.681	21.5	21.1	85 W	66*	33*
12 12	11 40.14	+22 18.8	2.479	2.721	21.2	21.1	93 W	67	36*
12 22	11 47.64	+23 35.2	2.385	2.760	20.4	21.0	102 W	69	38*
1 1	11 52.99	+25 11.5	2.296	2.798	19.2	20.9	111 W	70	38*
1 11	11 55.85	+27 6.8	2.217	2.835	17.5	20.8	120 W	72	37
1 21	11 55.99	+29 17.3	2.153	2.872	15.5	20.7	129 W	74	35

4953 1990 *MU*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 45.94	−14 46.2	0.409	0.871	93.4	16.1	62 E	30*	47*
1 1	22 24.68	−10 29.6	0.400	0.812	103.0	16.3	54 E	32*	36*
1 6	22 0.68	− 6 13.1	0.396	0.756	113.6	16.8	45 E	31*	24*
1 11	21 33.55	− 2 15.2	0.398	0.702	124.6	17.4	36 E	28*	12*
1 16	21 3.98	+ 0 58.0	0.410	0.652	134.4	18.3	28 E	22*	—
1 18	20 51.90	+ 1 56.3	0.418	0.634	137.3	18.6	26 E	19*	—
1 20	20 39.97	+ 2 41.4	0.429	0.618	139.3	18.9	24 E	16*	—
1 22	20 28.43	+ 3 12.5	0.442	0.603	140.1	19.0	23 E	13*	—
1 24	20 17.51	+ 3 29.3	0.458	0.590	139.6	19.0	23 W	12*	—
1 26	20 7.42	+ 3 31.9	0.476	0.578	137.9	18.8	23 W	15*	—
1 28	19 58.35	+ 3 21.4	0.496	0.569	135.0	18.5	24 W	17*	—
1 30	19 50.45	+ 2 59.1	0.519	0.562	131.3	18.2	25 W	19*	—
2 1	19 43.78	+ 2 26.6	0.543	0.557	127.0	17.8	27 W	21*	1*
2 3	19 38.39	+ 1 45.8	0.570	0.555	122.4	17.5	28 W	22*	5*
2 5	19 34.26	+ 0 58.6	0.597	0.556	117.6	17.3	30 W	23*	8*
2 7	19 31.34	+ 0 6.7	0.625	0.558	112.7	17.1	31 W	24*	12*
2 9	19 29.53	− 0 48.3	0.655	0.564	107.9	16.9	33 W	24*	15*
2 11	19 28.74	− 1 45.1	0.684	0.571	103.3	16.8	34 W	24*	17*
2 13	19 28.85	− 2 42.5	0.713	0.581	98.9	16.7	36 W	24*	20*
2 15	19 29.76	− 3 39.6	0.743	0.593	94.7	16.6	37 W	24*	22*
2 20	19 34.78	− 5 57.2	0.813	0.631	85.4	16.5	39 W	23*	27*
2 25	19 42.61	− 8 2.9	0.878	0.677	77.9	16.6	42 W	22*	31*
3 2	19 52.12	− 9 54.8	0.937	0.728	71.8	16.7	44 W	21*	35*
3 7	20 2.57	−11 33.5	0.988	0.784	66.9	16.8	47 W	20*	39*
3 12	20 13.45	−13 0.6	1.033	0.842	63.0	16.9	49 W	18*	42*
3 17	20 24.40	−14 17.9	1.071	0.901	59.9	17.1	52 W	17*	45*
3 22	20 35.21	−15 27.6	1.102	0.959	57.3	17.2	54 W	16*	48*
3 27	20 45.75	−16 31.6	1.127	1.018	55.2	17.3	57 W	15*	51*
4 1	20 55.91	−17 31.4	1.146	1.076	53.3	17.4	60 W	14*	54*
4 6	21 5.65	−18 28.7	1.161	1.133	51.7	17.5	63 W	14*	57*
4 11	21 14.89	−19 24.8	1.170	1.189	50.3	17.6	66 W	13*	60*
4 16	21 23.60	−20 21.3	1.175	1.244	48.9	17.7	69 W	12*	63*
4 21	21 31.72	−21 19.2	1.176	1.297	47.6	17.7	73 W	12*	66*
4 26	21 39.22	−22 19.7	1.173	1.350	46.4	17.8	76 W	11*	70*
5 1	21 46.08	−23 23.8	1.167	1.401	45.1	17.8	80 W	11*	74*
5 6	21 52.23	−24 32.5	1.159	1.450	43.7	17.8	84 W	11*	77*
5 11	21 57.62	−25 46.8	1.148	1.499	42.3	17.8	88 W	10*	81*
5 16	22 2.17	−27 7.5	1.135	1.546	40.8	17.8	92 W	10*	85*
5 21	22 5.81	−28 35.2	1.121	1.592	39.2	17.8	96 W	10*	87*
5 26	22 8.44	−30 10.4	1.107	1.636	37.4	17.8	101 W	9*	86
5 31	22 9.99	−31 53.0	1.093	1.680	35.5	17.8	106 W	9*	84
6 5	22 10.31	−33 43.1	1.080	1.722	33.5	17.7	111 W	8*	82
6 10	22 9.28	−35 39.9	1.068	1.763	31.3	17.7	116 W	7*	80
6 15	22 6.76	−37 42.2	1.059	1.803	29.0	17.7	121 W	6*	78
6 20	22 2.64	−39 47.8	1.053	1.842	26.6	17.6	126 W	5*	76
6 25	21 56.81	−41 54.1	1.051	1.879	24.2	17.6	131 W	3*	74
6 30	21 49.23	−43 57.9	1.054	1.916	21.9	17.6	135 W	1	72
7 5	21 39.89	−45 55.3	1.062	1.952	19.7	17.6	140 W	—	70
7 10	21 28.92	−47 42.6	1.076	1.986	17.8	17.6	143 W	—	68
7 15	21 16.58	−49 16.0	1.095	2.020	16.3	17.6	146 W	—	67
7 20	21 3.26	−50 32.6	1.122	2.052	15.4	17.7	147 W	—	65
7 25	20 49.48	−51 30.8	1.154	2.084	15.2	17.7	148 W	—	64
7 27	20 43.96	−51 48.8	1.169	2.096	15.2	17.8	147 W	—	64
7 29	20 38.50	−52 3.8	1.185	2.109	15.3	17.8	147 W	—	64
7 31	20 33.12	−52 15.9	1.201	2.121	15.5	17.9	146 E	—	64
8 2	20 27.85	−52 25.2	1.219	2.133	15.8	17.9	145 E	—	64
8 4	20 22.74	−52 31.7	1.238	2.144	16.1	18.0	144 E	—	63
8 9	20 10.78	−52 37.1	1.288	2.173	17.0	18.1	141 E	—	63
8 14	20 0.26	−52 28.8	1.344	2.201	18.1	18.3	138 E	—	64

4953 1990 *MU* *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 19	19 51.40	−52 9.5	1.405	2.228	19.1	18.4	134 E	—	64
8 24	19 44.25	−51 41.9	1.469	2.254	20.2	18.6	130 E	—	64
8 29	19 38.77	−51 8.2	1.538	2.280	21.1	18.8	126 E	—	65
9 3	19 34.88	−50 30.2	1.610	2.304	21.9	18.9	122 E	—	65
9 8	19 32.47	−49 49.5	1.685	2.328	22.6	19.0	117 E	—	66
9 13	19 31.40	−49 7.0	1.762	2.350	23.1	19.2	113 E	—	67
9 18	19 31.51	−48 23.7	1.841	2.372	23.6	19.3	109 E	—	68
9 23	19 32.68	−47 40.1	1.922	2.393	23.8	19.4	105 E	—	68
9 28	19 34.76	−46 56.6	2.004	2.414	24.0	19.5	102 E	—	69
10 3	19 37.65	−46 13.3	2.086	2.433	24.0	19.7	98 E	—	70
10 8	19 41.25	−45 30.3	2.169	2.452	24.0	19.8	94 E	—	70
10 13	19 45.47	−44 47.8	2.252	2.470	23.8	19.8	90 E	—	71*
10 18	19 50.22	−44 5.6	2.335	2.487	23.6	19.9	87 E	1	71*
10 23	19 55.44	−43 23.8	2.417	2.504	23.2	20.0	83 E	2	70*
10 28	20 1.06	−42 42.3	2.498	2.520	22.8	20.1	80 E	2	69*
11 2	20 7.03	−42 0.9	2.578	2.535	22.4	20.2	76 E	3	67*
11 12	20 19.85	−40 38.5	2.734	2.563	21.2	20.3	70 E	4*	62*
11 22	20 33.57	−39 15.9	2.882	2.588	19.9	20.4	63 E	5*	57*
12 2	20 47.95	−37 52.8	3.020	2.610	18.4	20.4	57 E	6*	51*
12 12	21 2.81	−36 28.7	3.147	2.629	16.7	20.5	50 E	7*	44*
12 22	21 17.99	−35 3.6	3.260	2.646	15.0	20.5	44 E	7*	38*
1 1	21 33.36	−33 37.5	3.360	2.659	13.3	20.5	38 E	6*	32*
1 11	21 48.86	−32 10.4	3.444	2.671	11.5	20.5	33 E	4*	27*
1 21	22 4.38	−30 42.7	3.512	2.679	9.8	20.5	28 E	2*	22*

252050 2000 SZ_{10}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 46.06	− 5 59.9	1.754	1.612	33.6	21.4	65 E	38*	43*
1 6	23 13.01	− 5 16.7	1.843	1.624	32.2	21.4	62 E	38*	40*
1 16	23 39.69	− 4 18.9	1.934	1.638	30.6	21.5	58 E	38*	37*
1 26	0 6.03	− 3 10.1	2.025	1.655	28.9	21.6	54 E	36*	34*
2 5	0 32.01	− 1 53.6	2.116	1.675	27.1	21.7	51 E	35*	31*

252089 2000 UQ_{29}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 46.23	+ 5 33.2	2.385	2.251	24.3	21.1	70 E	50*	37*
1 6	23 2.14	+ 5 40.1	2.470	2.220	23.4	21.1	64 E	48*	32*
1 16	23 19.02	+ 6 0.9	2.549	2.188	22.3	21.1	58 E	45*	27*
1 26	23 36.77	+ 6 33.7	2.621	2.156	21.0	21.1	52 E	42*	23*
2 5	23 55.27	+ 7 16.4	2.684	2.123	19.6	21.1	46 E	38*	19*
2 15	0 14.48	+ 8 7.0	2.738	2.091	17.9	21.0	41 E	33*	16*
2 25	0 34.35	+ 9 3.4	2.784	2.059	16.2	21.0	35 E	28*	13*
3 7	0 54.86	+10 3.6	2.819	2.027	14.3	20.9	30 E	23*	10*
3 17	1 16.02	+11 5.6	2.846	1.995	12.4	20.8	26 E	19*	8*
3 27	1 37.82	+12 7.4	2.863	1.963	10.4	20.7	21 E	14*	6*
4 6	2 0.27	+13 6.9	2.871	1.932	8.4	20.6	16 E	9*	4*
4 16	2 23.38	+14 2.1	2.871	1.902	6.4	20.5	12 E	5*	3*
4 26	2 47.15	+14 50.9	2.863	1.873	4.4	20.3	8 E	1*	1*
5 6	3 11.57	+15 31.4	2.848	1.845	2.7	20.2	5 E	—	—
5 16	3 36.63	+16 1.5	2.826	1.817	1.8	20.1	3 E	—	—
5 26	4 2.29	+16 19.3	2.798	1.792	2.9	20.1	5 W	—	—
6 5	4 28.48	+16 23.1	2.766	1.768	4.7	20.2	8 W	—	2*
6 15	4 55.13	+16 11.4	2.729	1.745	6.6	20.2	11 W	—	5*
6 25	5 22.13	+15 42.7	2.689	1.725	8.5	20.2	15 W	—	9*
7 5	5 49.37	+14 56.4	2.648	1.707	10.4	20.2	18 W	—	12*
7 15	6 16.72	+13 51.8	2.604	1.691	12.2	20.3	21 W	—	14*
7 25	6 44.06	+12 29.0	2.560	1.677	13.9	20.3	23 W	3*	17*
8 4	7 11.26	+10 48.5	2.516	1.667	15.6	20.3	26 W	6*	19*
8 14	7 38.22	+ 8 51.3	2.472	1.659	17.2	20.3	29 W	10*	22*
8 24	8 4.84	+ 6 39.1	2.429	1.654	18.6	20.3	32 W	13*	24*
9 3	8 31.05	+ 4 13.7	2.386	1.652	20.0	20.3	34 W	15*	26*
9 13	8 56.80	+ 1 37.3	2.345	1.653	21.4	20.3	37 W	18*	28*
9 23	9 22.05	− 1 7.3	2.304	1.656	22.6	20.3	39 W	20*	30*
10 3	9 46.79	− 3 57.5	2.264	1.663	23.8	20.3	42 W	22*	32*
10 13	10 11.01	− 6 50.7	2.223	1.672	24.9	20.3	45 W	24*	34*
10 23	10 34.69	− 9 44.1	2.181	1.685	26.0	20.3	48 W	25*	37*
11 2	10 57.82	−12 35.2	2.137	1.699	27.0	20.3	51 W	26*	40*
11 12	11 20.38	−15 21.5	2.091	1.717	28.0	20.3	54 W	26*	43*
11 22	11 42.32	−18 0.8	2.041	1.736	28.9	20.3	58 W	25*	47*
12 2	12 3.56	−20 31.1	1.988	1.758	29.7	20.3	62 W	24*	52*
12 12	12 23.99	−22 50.6	1.930	1.781	30.4	20.3	66 W	22*	57*
12 22	12 43.44	−24 57.5	1.867	1.806	31.0	20.3	71 W	20	62*
1 1	13 1.72	−26 50.3	1.799	1.833	31.4	20.2	76 W	18	69*
1 11	13 18.50	−28 27.5	1.726	1.861	31.5	20.2	82 W	17	75*
1 21	13 33.46	−29 47.3	1.649	1.890	31.4	20.1	88 W	15	82*

248107 2004 RA_{109}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 46.62	− 5 9.3	1.899	1.743	31.0	21.3	66 E	39*	43*
1 6	23 9.03	− 2 32.1	2.007	1.768	29.3	21.4	62 E	41*	38*
1 16	23 31.27	+ 0 5.2	2.115	1.794	27.6	21.5	58 E	41*	33*
1 26	23 53.38	+ 2 41.4	2.223	1.821	25.8	21.6	54 E	40*	28*
2 5	0 15.35	+ 5 15.0	2.330	1.849	23.9	21.7	50 E	39*	24*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	75017 1999 UE_5								
	h m	° ′			°	m	°	°	°
12 27	22 46.82	+ 2 38.0	2.077	1.955	28.0	19.7	69 E	47*	39*
1 6	23 1.82	+ 4 57.1	2.150	1.923	27.2	19.7	63 E	47*	32*
1 16	23 18.17	+ 7 23.6	2.215	1.892	26.2	19.7	58 E	47*	26*
1 26	23 35.79	+ 9 56.8	2.273	1.862	25.1	19.7	53 E	45*	21*
2 5	23 54.62	+12 35.8	2.324	1.833	23.9	19.7	49 E	42*	16*
2 15	0 14.69	+15 19.2	2.368	1.805	22.7	19.6	45 E	38*	12*
2 25	0 36.03	+18 5.5	2.405	1.780	21.4	19.6	41 E	35*	9*
3 7	0 58.70	+20 52.4	2.436	1.756	20.1	19.6	37 E	31*	6*
3 17	1 22.83	+23 37.5	2.463	1.734	18.9	19.5	34 E	28*	3*
3 27	1 48.50	+26 17.6	2.485	1.715	17.7	19.5	31 E	25*	2*
4 6	2 15.81	+28 49.1	2.505	1.698	16.5	19.4	29 E	23*	—
4 16	2 44.83	+31 8.1	2.522	1.684	15.4	19.4	26 E	20*	—
4 26	3 15.54	+33 10.2	2.537	1.672	14.3	19.3	24 E	18*	—
5 6	3 47.85	+34 51.0	2.553	1.663	13.3	19.3	22 E	16*	—
5 16	4 21.52	+36 6.4	2.568	1.658	12.3	19.3	20 E	14*	—
5 26	4 56.17	+36 53.1	2.584	1.656	11.3	19.3	19 E	12*	—
5 31	5 13.70	+37 4.9	2.592	1.656	10.8	19.2	18 E	12*	—
6 5	5 31.30	+37 8.8	2.600	1.656	10.3	19.2	17 E	11*	—
6 10	5 48.88	+37 4.7	2.609	1.658	9.8	19.2	16 E	10*	—
6 15	6 6.36	+36 52.7	2.618	1.660	9.3	19.2	15 E	9*	—
6 20	6 23.69	+36 33.0	2.627	1.663	8.9	19.2	15 E	8*	—
6 25	6 40.79	+36 5.8	2.636	1.667	8.4	19.2	14 E	8*	—
6 30	6 57.62	+35 31.3	2.645	1.672	8.0	19.2	13 E	7*	—
7 5	7 14.12	+34 50.1	2.654	1.677	7.6	19.2	13 E	6*	—
7 15	7 46.01	+33 8.9	2.672	1.690	7.0	19.2	12 E	4*	—
7 25	8 16.24	+31 6.1	2.689	1.705	6.8	19.2	11 W	3*	—
8 4	8 44.76	+28 45.6	2.704	1.723	6.9	19.3	12 W	4*	—
8 14	9 11.59	+26 11.2	2.717	1.744	7.4	19.3	13 W	6*	—
8 24	9 36.80	+23 26.4	2.726	1.767	8.4	19.4	15 W	9*	—
9 3	10 0.55	+20 34.3	2.730	1.791	9.6	19.5	17 W	11*	—
9 13	10 22.96	+17 37.3	2.728	1.818	11.0	19.6	20 W	14*	1*
9 23	10 44.16	+14 37.8	2.720	1.846	12.6	19.7	24 W	18*	4*
10 3	11 4.27	+11 37.2	2.705	1.875	14.3	19.7	27 W	21*	7*
10 13	11 23.39	+ 8 37.2	2.682	1.906	15.9	19.8	32 W	25*	11*
10 23	11 41.59	+ 5 38.7	2.651	1.938	17.6	19.9	36 W	28*	15*
11 2	11 58.93	+ 2 42.7	2.610	1.970	19.2	19.9	41 W	31*	19*
11 12	12 15.41	− 0 10.3	2.561	2.003	20.8	20.0	46 W	34*	24*
11 22	12 31.01	− 2 59.7	2.503	2.037	22.2	20.0	51 W	36*	30*
12 2	12 45.69	− 5 45.3	2.436	2.070	23.5	20.0	57 W	36*	36*
12 12	12 59.33	− 8 26.8	2.361	2.105	24.6	20.0	63 W	36*	44*
12 22	13 11.80	−11 4.3	2.278	2.139	25.5	20.0	69 W	34*	51*
1 1	13 22.89	−13 37.8	2.190	2.173	26.0	20.0	76 W	31	60*
1 11	13 32.34	−16 7.3	2.096	2.207	26.3	19.9	83 W	29	69*
1 21	13 39.83	−18 32.6	2.001	2.241	26.0	19.8	91 W	26	78*
	124192 Moletai								
12 27	22 47.03	− 2 28.3	2.420	2.227	24.0	21.3	67 E	42*	42*
1 6	23 3.55	− 1 6.0	2.563	2.258	22.4	21.4	61 E	42*	36*
1 16	23 20.22	+ 0 21.3	2.701	2.289	20.7	21.5	55 E	40*	30*
1 26	23 37.00	+ 1 52.7	2.832	2.319	18.9	21.6	50 E	38*	25*
2 5	23 53.84	+ 3 26.7	2.956	2.349	16.9	21.6	44 E	34*	20*
	310574 2001 SH_{262}								
12 27	22 47.45	− 9 56.9	2.095	1.886	28.0	21.2	64 E	35*	46*
1 6	23 5.22	− 8 12.0	2.133	1.826	27.4	21.2	59 E	35*	40*
1 16	23 24.45	− 6 14.5	2.164	1.768	26.6	21.1	54 E	35*	34*
1 26	23 45.06	− 4 5.4	2.187	1.711	25.8	21.0	49 E	33*	30*
2 5	0 7.00	− 1 45.9	2.203	1.656	24.8	21.0	45 E	32*	26*
2 15	0 30.27	+ 0 42.5	2.213	1.605	23.8	20.9	41 E	30*	23*
2 25	0 54.90	+ 3 17.7	2.217	1.556	22.9	20.8	38 E	27*	20*
3 7	1 20.92	+ 5 57.1	2.219	1.512	21.9	20.7	35 E	25*	18*
3 17	1 48.41	+ 8 37.6	2.218	1.472	21.0	20.6	32 E	23*	16*
3 27	2 17.42	+11 15.5	2.218	1.438	20.1	20.5	30 E	20*	15*
4 6	2 47.96	+13 46.2	2.218	1.411	19.3	20.5	28 E	18*	14*
4 16	3 20.03	+16 4.9	2.221	1.390	18.4	20.4	26 E	16*	13*
4 26	3 53.50	+18 6.5	2.228	1.377	17.6	20.4	24 E	14*	13*
5 6	4 28.17	+19 46.1	2.241	1.372	16.8	20.3	23 E	12*	12*
5 16	5 3.73	+20 59.7	2.261	1.375	15.9	20.3	22 E	10*	12*
5 26	5 39.73	+21 44.2	2.287	1.386	14.9	20.3	21 E	8*	12*
6 5	6 15.71	+21 58.4	2.320	1.405	13.9	20.4	19 E	6*	11*
6 15	6 51.18	+21 42.8	2.361	1.430	12.7	20.4	18 E	4*	10*
6 25	7 25.70	+20 59.5	2.408	1.463	11.4	20.4	17 E	2*	10*
7 5	7 58.94	+19 51.8	2.460	1.501	10.0	20.5	15 E	1*	8*
7 15	8 30.70	+18 23.8	2.517	1.544	8.5	20.5	13 E	—	7*
7 25	9 0.86	+16 39.7	2.577	1.591	6.9	20.6	11 E	—	5*
8 4	9 29.41	+14 43.7	2.639	1.642	5.2	20.6	8 E	—	2*
8 14	9 56.43	+12 39.6	2.701	1.696	3.4	20.6	6 E	—	—
8 24	10 21.99	+10 30.7	2.762	1.752	1.6	20.6	3 E	—	—
9 3	10 46.23	+ 8 19.7	2.819	1.810	0.4	20.6	1 W	—	—
9 13	11 9.27	+ 6 8.8	2.872	1.870	2.3	20.9	4 W	—	—
9 23	11 31.21	+ 4 0.2	2.918	1.930	4.2	21.1	8 W	2*	—
10 3	11 52.17	+ 1 55.1	2.957	1.991	6.1	21.3	12 W	6*	1*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	398577 2011 WK_{45}								
	h m	° ′			°	m	°	°	°
12 27	22 48.24	− 5 19.5	1.685	1.569	34.9	21.4	66 E	39*	44*
1 6	23 14.96	− 2 57.2	1.775	1.590	33.4	21.4	63 E	41*	39*
1 16	23 41.32	− 0 31.0	1.867	1.613	31.8	21.5	60 E	41*	35*
1 26	0 7.32	+ 1 56.2	1.962	1.639	30.1	21.6	57 E	41*	31*
2 5	0 32.99	+ 4 21.8	2.059	1.667	28.3	21.7	53 E	40*	28*
	351815 2006 OF_{15}								
12 27	22 48.34	−28 27.8	1.496	1.300	40.4	21.4	59 E	16*	51*
1 1	23 6.27	−26 53.4	1.512	1.305	40.0	21.5	59 E	18*	51*
1 6	23 23.91	−25 11.2	1.530	1.310	39.6	21.5	58 E	19*	50*
1 11	23 41.24	−23 22.0	1.548	1.317	39.1	21.5	58 E	21*	49*
1 16	23 58.26	−21 26.9	1.569	1.326	38.6	21.5	57 E	22*	48*
	21183 1994 EO_2								
12 27	22 48.45	− 5 36.9	2.125	1.945	27.5	18.5	66 E	39*	44*
1 6	23 3.27	− 2 46.2	2.199	1.913	26.5	18.5	60 E	40*	37*
1 16	23 19.23	+ 0 9.1	2.265	1.882	25.4	18.5	55 E	40*	30*
1 26	23 36.24	+ 3 8.8	2.324	1.853	24.0	18.5	50 E	39*	24*
2 5	23 54.25	+ 6 12.4	2.376	1.824	22.6	18.5	45 E	37*	19*
2 15	0 13.27	+ 9 19.3	2.420	1.797	21.2	18.4	41 E	34*	15*
2 25	0 33.34	+12 28.3	2.457	1.771	19.7	18.4	37 E	31*	11*
3 7	0 54.53	+15 38.0	2.488	1.747	18.2	18.3	33 E	27*	8*
3 17	1 16.95	+18 46.6	2.513	1.725	16.8	18.3	30 E	24*	5*
3 27	1 40.70	+21 51.9	2.533	1.706	15.4	18.2	27 E	21*	2*
4 6	2 5.93	+24 51.1	2.548	1.689	14.2	18.2	24 E	18*	—
4 16	2 32.77	+27 41.0	2.561	1.674	13.0	18.1	22 E	16*	—
4 26	3 1.31	+30 17.8	2.570	1.662	12.0	18.1	20 E	14*	—
5 6	3 31.60	+32 37.3	2.579	1.653	11.2	18.0	19 E	12*	—
5 16	4 3.60	+34 35.4	2.586	1.647	10.4	18.0	17 E	11*	—
5 26	4 37.10	+36 7.8	2.594	1.644	9.8	18.0	16 E	9*	—
6 5	5 11.78	+37 10.9	2.601	1.645	9.4	18.0	15 E	8*	—
6 10	5 29.43	+37 30.6	2.606	1.646	9.2	18.0	15 E	8*	—
6 15	5 47.18	+37 42.3	2.610	1.648	9.0	18.0	15 E	7*	—
6 20	6 4.96	+37 45.6	2.615	1.651	8.9	18.0	15 E	7*	—
6 25	6 22.69	+37 40.8	2.620	1.654	8.8	18.0	14 E	7*	—
6 30	6 40.30	+37 27.9	2.625	1.659	8.7	18.0	14 E	6*	—
7 5	6 57.73	+37 7.1	2.630	1.664	8.7	18.0	14 E	6*	—
7 10	7 14.91	+36 38.8	2.635	1.670	8.7	18.0	14 W	6*	—
7 15	7 31.79	+36 3.3	2.640	1.676	8.8	18.0	15 W	6*	—
7 25	8 4.42	+34 32.7	2.651	1.691	9.0	18.1	15 W	7*	—
8 4	8 35.39	+32 39.3	2.661	1.709	9.4	18.1	16 W	9*	—
8 14	9 4.60	+30 27.5	2.669	1.729	10.1	18.2	17 W	10*	—
8 24	9 32.02	+28 1.6	2.674	1.751	10.9	18.2	19 W	13*	—
9 3	9 57.75	+25 25.3	2.676	1.775	12.0	18.3	21 W	15*	—
9 13	10 21.90	+22 42.2	2.672	1.801	13.1	18.4	24 W	18*	—
9 23	10 44.61	+19 55.2	2.664	1.828	14.5	18.5	27 W	21*	2*
10 3	11 6.01	+17 6.7	2.649	1.857	15.9	18.5	30 W	24*	4*
10 13	11 26.22	+14 18.6	2.626	1.887	17.3	18.6	34 W	28*	8*
10 23	11 45.33	+11 32.6	2.595	1.918	18.8	18.6	38 W	32*	11*
11 2	12 3.40	+ 8 50.0	2.556	1.950	20.3	18.7	43 W	35*	15*
11 12	12 20.47	+ 6 11.7	2.507	1.982	21.7	18.7	48 W	39*	20*
11 22	12 36.51	+ 3 38.6	2.449	2.015	23.0	18.8	53 W	41*	25*
12 2	12 51.51	+ 1 11.1	2.383	2.049	24.2	18.8	59 W	43*	32*
12 12	13 5.35	− 1 10.4	2.307	2.082	25.3	18.8	64 W	43*	39*
12 22	13 17.90	− 3 25.5	2.224	2.116	26.0	18.7	71 W	41*	46*
1 1	13 28.98	− 5 34.4	2.134	2.149	26.5	18.7	78 W	39	54*
1 11	13 38.31	− 7 36.8	2.039	2.183	26.7	18.6	85 W	37	63*
1 21	13 45.59	− 9 33.0	1.940	2.216	26.3	18.6	93 W	35	70*
	475987 2007 PC_{36}								
12 27	22 48.90	−12 53.3	1.882	1.689	31.4	20.5	63 E	32*	47*
1 6	23 13.08	−10 51.3	1.946	1.677	30.4	20.6	60 E	33*	42*
1 16	23 37.70	− 8 37.8	2.009	1.669	29.2	20.6	56 E	33*	38*
1 26	0 2.65	− 6 15.6	2.073	1.666	27.9	20.6	52 E	33*	35*
2 5	0 27.84	− 3 47.6	2.136	1.666	26.6	20.7	49 E	33*	31*
2 15	0 53.24	− 1 16.7	2.201	1.671	25.1	20.7	46 E	31*	29*
2 25	1 18.83	+ 1 14.1	2.265	1.679	23.6	20.7	43 E	29*	26*
3 7	1 44.57	+ 3 41.6	2.331	1.691	22.0	20.7	40 E	27*	24*
3 17	2 10.46	+ 6 3.3	2.398	1.707	20.4	20.8	37 E	25*	22*
3 27	2 36.47	+ 8 16.4	2.465	1.727	18.7	20.8	34 E	22*	21*
4 6	3 2.57	+10 18.7	2.533	1.749	17.0	20.8	31 E	18*	19*
4 16	3 28.71	+12 8.5	2.601	1.775	15.2	20.9	28 E	15*	17*
4 26	3 54.82	+13 44.1	2.669	1.803	13.4	20.9	25 E	11*	15*
5 6	4 20.83	+15 4.4	2.735	1.834	11.6	20.9	21 E	8*	13*
5 16	4 46.66	+16 9.1	2.800	1.867	9.8	20.9	18 E	4*	11*
5 26	5 12.21	+16 57.6	2.862	1.902	7.9	20.9	15 E	—	9*
6 5	5 37.36	+17 30.4	2.921	1.939	6.2	20.9	12 E	—	6*
6 15	6 2.04	+17 47.8	2.975	1.977	4.5	20.9	9 E	—	3*
6 25	6 26.14	+17 50.8	3.024	2.017	3.1	20.9	6 E	—	—
7 5	6 49.59	+17 40.3	3.067	2.057	2.6	21.0	5 W	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		475987 2007 PC_{36}				*(continuation)*			
	h m	° ′			°	m	°	°	°
7 15	7 12.33	+17 17.7	3.103	2.098	3.5	21.1	7 W	—	1*
7 25	7 34.30	+16 44.2	3.130	2.140	5.0	21.3	11 W	—	4*
8 4	7 55.46	+16 1.3	3.149	2.182	6.7	21.4	15 W	3*	7*
		301907 1998 XB_9							
12 27	22 49.02	+ 5 41.7	1.555	1.544	37.0	19.5	71 E	50*	37*
1 6	23 11.84	+ 8 4.7	1.587	1.508	36.9	19.5	67 E	51*	32*
1 16	23 36.63	+10 37.7	1.618	1.476	36.7	19.5	64 E	51*	28*
1 26	0 3.33	+13 17.6	1.647	1.450	36.4	19.5	61 E	51*	24*
2 5	0 31.91	+15 59.9	1.676	1.431	35.9	19.5	58 E	50*	21*
2 15	1 2.37	+18 39.6	1.708	1.417	35.3	19.5	56 E	49*	20*
2 25	1 34.62	+21 11.0	1.742	1.411	34.6	19.5	54 E	47*	18*
3 7	2 8.52	+23 27.5	1.781	1.412	33.8	19.5	52 E	45*	18*
3 17	2 43.82	+25 23.5	1.826	1.420	32.8	19.5	51 E	44*	17*
3 27	3 20.14	+26 53.6	1.878	1.435	31.6	19.6	49 E	42*	18*
4 6	3 56.98	+27 54.1	1.937	1.456	30.3	19.7	47 E	40*	18*
4 11	4 15.43	+28 12.6	1.970	1.469	29.6	19.7	46 E	38*	19*
4 16	4 33.80	+28 23.2	2.004	1.484	28.8	19.7	45 E	37*	19*
4 21	4 52.02	+28 26.1	2.040	1.499	28.0	19.8	45 E	36*	19*
4 26	5 10.02	+28 21.3	2.078	1.516	27.2	19.8	44 E	34*	20*
5 1	5 27.75	+28 9.1	2.118	1.535	26.4	19.9	43 E	32*	20*
5 6	5 45.15	+27 50.1	2.159	1.554	25.5	19.9	42 E	31*	21*
5 11	6 2.19	+27 24.5	2.201	1.575	24.6	19.9	40 E	29*	21*
5 16	6 18.83	+26 52.8	2.245	1.596	23.6	20.0	39 E	27*	21*
5 21	6 35.04	+26 15.6	2.290	1.618	22.7	20.0	38 E	25*	22*
5 26	6 50.82	+25 33.4	2.335	1.641	21.7	20.1	37 E	23*	22*
5 31	7 6.14	+24 46.7	2.382	1.665	20.7	20.1	36 E	20*	22*
6 5	7 21.01	+23 56.0	2.429	1.690	19.7	20.2	34 E	18*	22*
6 10	7 35.44	+23 1.6	2.477	1.715	18.7	20.2	33 E	16*	21*
6 15	7 49.43	+22 4.2	2.525	1.740	17.7	20.2	31 E	14*	21*
6 25	8 16.13	+20 1.5	2.622	1.793	15.6	20.3	28 E	10*	20*
7 5	8 41.25	+17 51.0	2.717	1.847	13.5	20.4	25 E	6*	18*
7 15	9 4.94	+15 34.8	2.810	1.903	11.4	20.4	22 E	3*	15*
7 25	9 27.32	+13 15.0	2.899	1.959	9.2	20.5	18 E	—	12*
8 4	9 48.54	+10 53.1	2.984	2.016	7.1	20.5	14 E	—	8*
8 14	10 8.74	+ 8 30.3	3.061	2.073	5.0	20.5	10 E	—	4*
8 24	10 28.02	+ 6 7.7	3.131	2.130	3.1	20.5	7 E	—	—
9 3	10 46.47	+ 3 46.1	3.192	2.186	1.8	20.5	4 W	—	—
9 13	11 4.19	+ 1 26.0	3.243	2.243	2.5	20.7	5 W	—	—
9 23	11 21.22	− 0 51.8	3.282	2.299	4.2	20.9	10 W	—	3*
10 3	11 37.61	− 3 7.0	3.310	2.355	6.1	21.0	15 W	5*	7*
10 13	11 53.38	− 5 19.2	3.325	2.410	8.0	21.2	20 W	9*	11*
10 23	12 8.54	− 7 27.8	3.327	2.464	9.9	21.3	25 W	14*	15*
11 2	12 23.07	− 9 32.8	3.316	2.518	11.7	21.4	31 W	18*	19*
		100006 1987 DA_7							
12 27	22 49.23	− 4 9.3	2.803	2.578	20.5	21.1	67 E	40*	43*
1 6	23 1.13	− 2 59.3	2.913	2.562	19.4	21.1	60 E	40*	36*
1 16	23 13.90	− 1 42.0	3.014	2.546	18.0	21.2	53 E	38*	30*
1 26	23 27.41	− 0 18.2	3.103	2.528	16.4	21.2	47 E	35*	24*
2 5	23 41.55	+ 1 11.1	3.180	2.509	14.7	21.1	40 E	31*	19*
2 15	23 56.26	+ 2 45.0	3.245	2.489	12.9	21.1	34 E	26*	14*
2 25	0 11.47	+ 4 22.7	3.295	2.468	10.9	21.0	28 E	21*	10*
3 7	0 27.15	+ 6 3.2	3.333	2.445	8.9	21.0	22 E	16*	6*
3 17	0 43.29	+ 7 45.8	3.356	2.421	6.9	20.9	17 E	11*	3*
3 27	0 59.87	+ 9 29.4	3.366	2.396	4.8	20.7	12 E	5*	—
4 6	1 16.90	+11 13.2	3.362	2.370	2.7	20.6	7 E	1*	—
4 16	1 34.39	+12 56.3	3.344	2.343	1.3	20.4	3 W	—	—
4 26	1 52.35	+14 37.8	3.314	2.314	2.3	20.5	5 W	—	—
5 6	2 10.82	+16 16.8	3.272	2.285	4.3	20.6	10 W	—	3*
5 16	2 29.83	+17 52.2	3.219	2.254	6.5	20.6	15 W	3*	7*
5 26	2 49.38	+19 23.1	3.154	2.222	8.6	20.6	19 W	5*	12*
6 5	3 9.52	+20 48.4	3.080	2.190	10.8	20.6	24 W	8*	15*
6 15	3 30.26	+22 7.1	2.996	2.156	12.9	20.6	28 W	12*	19*
6 25	3 51.61	+23 18.1	2.904	2.121	15.0	20.6	33 W	16*	21*
7 5	4 13.58	+24 20.2	2.804	2.086	17.1	20.5	37 W	20*	24*
7 15	4 36.17	+25 12.3	2.698	2.050	19.2	20.5	41 W	25*	25*
7 25	4 59.33	+25 53.2	2.586	2.013	21.2	20.4	46 W	31*	27*
8 4	5 23.03	+26 21.9	2.470	1.976	23.1	20.3	50 W	36*	28*
8 14	5 47.22	+26 37.4	2.350	1.938	25.0	20.2	54 W	41*	29*
8 24	6 11.80	+26 38.7	2.227	1.899	26.9	20.1	58 W	46*	29*
9 3	6 36.70	+26 25.0	2.102	1.861	28.7	20.0	62 W	51*	30*
9 13	7 1.80	+25 55.9	1.977	1.822	30.4	19.9	66 W	55*	31*
9 23	7 26.99	+25 10.7	1.851	1.784	32.0	19.8	70 W	59*	32*
10 3	7 52.16	+24 9.5	1.727	1.746	33.5	19.6	74 W	62*	33*
10 13	8 17.18	+22 52.2	1.604	1.708	34.9	19.4	78 W	64*	35*
10 23	8 41.93	+21 19.3	1.484	1.672	36.1	19.2	82 W	65*	37*
11 2	9 6.32	+19 31.4	1.368	1.636	37.2	19.1	86 W	64*	39*
11 12	9 30.21	+17 29.2	1.255	1.602	38.2	18.8	90 W	62	42*
11 22	9 53.47	+15 14.1	1.148	1.570	38.9	18.6	94 W	60	45*
12 2	10 15.99	+12 47.4	1.047	1.540	39.3	18.4	98 W	58	49*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		100006 1987 DA_7				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 12	10 37.54	+10 11.0	0.951	1.512	39.4	18.2	103 W	55	53*
12 22	10 57.92	+ 7 26.9	0.862	1.487	39.2	17.9	107 W	52	56*
1 1	11 16.81	+ 4 37.7	0.780	1.466	38.5	17.6	112 W	50	59
1 11	11 33.78	+ 1 46.8	0.705	1.448	37.2	17.3	117 W	47	62
1 21	11 48.33	− 1 2.2	0.638	1.434	35.2	17.1	123 W	44	65
		316650 1987 UL							
12 27	22 49.30	−14 4.5	1.693	1.526	35.1	19.4	63 E	30*	48*
1 1	23 2.72	−12 21.8	1.724	1.527	34.5	19.4	62 E	32*	45*
1 6	23 16.09	−10 37.2	1.756	1.530	33.9	19.5	60 E	33*	43*
1 11	23 29.44	− 8 51.1	1.789	1.534	33.3	19.5	59 E	34*	41*
1 16	23 42.74	− 7 4.0	1.823	1.539	32.7	19.5	58 E	35*	39*
1 26	0 9.24	− 3 28.7	1.894	1.553	31.2	19.6	55 E	36*	35*
2 5	0 35.60	+ 0 4.4	1.970	1.572	29.7	19.6	52 E	37*	31*
2 15	1 1.86	+ 3 32.0	2.050	1.595	28.1	19.7	49 E	36*	28*
2 25	1 28.07	+ 6 50.8	2.133	1.622	26.3	19.8	47 E	35*	25*
3 7	1 54.25	+ 9 57.9	2.220	1.653	24.5	19.9	44 E	33*	23*
3 17	2 20.45	+12 51.1	2.310	1.687	22.7	19.9	41 E	31*	21*
3 27	2 46.67	+15 28.6	2.402	1.724	20.7	20.0	38 E	28*	19*
4 6	3 12.88	+17 49.1	2.494	1.763	18.8	20.1	35 E	25*	17*
4 16	3 39.07	+19 51.7	2.587	1.805	16.7	20.1	31 E	22*	15*
4 26	4 5.17	+21 36.0	2.678	1.848	14.7	20.2	28 E	18*	13*
5 6	4 31.11	+23 1.8	2.767	1.893	12.6	20.2	24 E	15*	11*
5 16	4 56.82	+24 9.6	2.852	1.939	10.6	20.3	21 E	11*	9*
5 26	5 22.17	+24 59.9	2.933	1.986	8.5	20.3	17 E	8*	6*
6 5	5 47.08	+25 33.5	3.009	2.033	6.4	20.3	13 E	4*	4*
6 15	6 11.46	+25 51.7	3.078	2.081	4.4	20.3	9 E	1*	1*
6 25	6 35.20	+25 55.6	3.139	2.129	2.5	20.3	5 E	—	—
7 5	6 58.25	+25 46.7	3.191	2.177	1.4	20.3	3 E	—	—
7 15	7 20.55	+25 26.5	3.235	2.225	2.5	20.5	5 W	—	—
7 25	7 42.03	+24 56.6	3.267	2.272	4.3	20.6	10 W	3*	—
8 4	8 2.68	+24 18.5	3.290	2.320	6.2	20.8	14 W	7*	2*
8 14	8 22.47	+23 33.8	3.300	2.367	8.1	20.9	19 W	12*	5*
8 24	8 41.36	+22 44.2	3.298	2.414	9.9	21.0	24 W	17*	8*
9 3	8 59.35	+21 51.2	3.284	2.460	11.7	21.2	30 W	23*	10*
9 13	9 16.42	+20 56.3	3.258	2.505	13.4	21.2	35 W	28*	13*
9 23	9 32.54	+20 1.3	3.218	2.550	15.0	21.3	41 W	34*	16*
10 3	9 47.67	+19 7.5	3.167	2.594	16.5	21.4	47 W	40*	19*
10 13	10 1.75	+18 16.8	3.103	2.637	17.7	21.4	54 W	45*	22*
10 23	10 14.70	+17 30.9	3.028	2.680	18.8	21.4	60 W	51*	26*
11 2	10 26.44	+16 51.4	2.942	2.721	19.7	21.4	67 W	56*	30*
11 12	10 36.82	+16 20.2	2.849	2.762	20.2	21.4	75 W	59*	34*
11 22	10 45.67	+15 59.2	2.748	2.802	20.5	21.3	83 W	61*	38*
12 2	10 52.82	+15 50.1	2.644	2.842	20.3	21.3	91 W	61	42*
12 12	10 58.03	+15 54.6	2.538	2.880	19.7	21.2	100 W	61	46*
12 22	11 1.07	+16 13.8	2.436	2.917	18.5	21.1	110 W	61	47*
1 1	11 1.73	+16 48.2	2.340	2.954	16.8	21.0	120 W	62	47
1 11	10 59.83	+17 36.9	2.257	2.989	14.5	20.9	130 W	63	46
1 21	10 55.40	+18 37.3	2.192	3.024	11.7	20.7	141 W	64	45
		137911 2000 AB_{246}							
12 27	22 49.46	− 7 46.7	1.328	1.281	44.2	20.5	65 E	37*	45*
1 1	23 7.43	− 5 39.6	1.363	1.304	43.2	20.5	65 E	39*	43*
1 6	23 24.92	− 3 33.5	1.402	1.328	42.1	20.6	65 E	40*	42*
1 11	23 41.96	− 1 29.4	1.444	1.354	41.0	20.7	65 E	42*	40*
1 16	23 58.56	+ 0 31.7	1.490	1.381	39.9	20.7	64 E	44*	38*
1 21	0 14.76	+ 2 29.3	1.539	1.409	38.7	20.8	64 E	45*	36*
1 26	0 30.57	+ 4 22.6	1.590	1.437	37.5	20.9	63 E	46*	35*
1 31	0 46.02	+ 6 11.3	1.644	1.467	36.4	21.0	62 E	46*	33*
2 5	1 1.14	+ 7 55.1	1.701	1.497	35.2	21.1	61 E	47*	32*
2 10	1 15.96	+ 9 33.8	1.760	1.528	34.0	21.2	60 E	47*	31*
2 15	1 30.51	+11 7.3	1.821	1.559	32.8	21.2	59 E	47*	30*
2 20	1 44.80	+12 35.6	1.884	1.590	31.7	21.3	58 E	46*	28*
2 25	1 58.86	+13 58.6	1.948	1.622	30.5	21.4	56 E	46*	27*
3 2	2 12.69	+15 16.4	2.013	1.654	29.3	21.5	55 E	45*	26*
		3691 Bede							
12 27	22 50.02	+ 0 7.2	2.293	2.141	25.3	19.3	69 E	45*	41*
1 6	23 4.27	+ 2 5.8	2.429	2.162	23.8	19.4	63 E	45*	34*
1 16	23 19.05	+ 4 6.5	2.558	2.180	22.2	19.5	57 E	44*	28*
1 26	23 34.29	+ 6 9.2	2.678	2.197	20.4	19.6	51 E	41*	22*
2 5	23 49.91	+ 8 13.5	2.789	2.212	18.5	19.6	46 E	38*	17*
2 15	0 5.90	+10 19.0	2.889	2.226	16.6	19.6	40 E	33*	13*
2 25	0 22.23	+12 25.2	2.978	2.238	14.6	19.6	35 E	29*	9*
3 7	0 38.89	+14 31.5	3.056	2.249	12.6	19.6	30 E	24*	5*
3 17	0 55.89	+16 37.4	3.121	2.258	10.7	19.6	25 E	19*	1*
3 27	1 13.24	+18 42.2	3.174	2.265	8.8	19.6	20 E	14*	—
4 6	1 30.95	+20 45.2	3.214	2.271	7.1	19.5	16 E	10*	—
4 16	1 49.05	+22 45.9	3.241	2.275	5.7	19.5	13 E	5*	—
4 26	2 7.57	+24 43.4	3.255	2.278	5.0	19.5	11 W	3*	—
5 6	2 26.52	+26 37.2	3.257	2.278	5.2	19.5	12 W	6*	—

3691 Bede *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	2 45.93	+28 26.6	3.246	2.278	6.1	19.5	14 W	8*	—
5 26	3 5.82	+30 10.8	3.223	2.275	7.6	19.6	17 W	10*	3*
6 5	3 26.19	+31 49.3	3.188	2.271	9.3	19.6	21 W	13*	6*
6 15	3 47.06	+33 21.3	3.142	2.266	11.1	19.7	25 W	17*	9*
6 25	4 8.39	+34 46.4	3.085	2.259	12.9	19.7	30 W	21*	11*
7 5	4 30.18	+36 4.0	3.017	2.250	14.7	19.7	34 W	25*	13*
7 15	4 52.38	+37 13.7	2.940	2.239	16.5	19.7	39 W	30*	14*
7 25	5 14.91	+38 15.2	2.853	2.227	18.3	19.7	43 W	35*	15*
8 4	5 37.70	+39 8.6	2.758	2.214	19.9	19.6	48 W	41*	16*
8 14	6 0.64	+39 53.9	2.656	2.198	21.6	19.6	53 W	46*	16*
8 24	6 23.60	+40 31.6	2.546	2.182	23.1	19.5	58 W	51*	16*
9 3	6 46.46	+41 2.3	2.430	2.163	24.5	19.4	63 W	56*	16*
9 13	7 9.04	+41 27.3	2.309	2.143	25.8	19.3	68 W	62*	17*
9 23	7 31.15	+41 47.8	2.183	2.122	26.9	19.2	73 W	67*	17*
10 3	7 52.64	+42 5.8	2.055	2.099	27.9	19.1	79 W	73*	17*
10 13	8 13.24	+42 23.5	1.924	2.074	28.6	19.0	84 W	78*	18*
10 23	8 32.71	+42 43.4	1.792	2.048	29.1	18.8	90 W	84*	18*
10 28	8 41.92	+42 55.2	1.726	2.035	29.2	18.7	93 W	87*	18*
11 2	8 50.73	+43 8.7	1.660	2.021	29.2	18.6	96 W	88	18*
11 7	8 59.08	+43 24.5	1.595	2.007	29.2	18.5	99 W	88	19*
11 12	9 6.89	+43 42.7	1.531	1.992	29.0	18.4	102 W	89	19*
11 17	9 14.11	+44 4.0	1.467	1.977	28.8	18.3	106 W	89	19*
11 22	9 20.65	+44 28.6	1.405	1.962	28.4	18.2	109 W	89	19*
11 27	9 26.43	+44 56.8	1.343	1.946	28.0	18.0	112 W	90	19*
12 2	9 31.32	+45 29.1	1.284	1.931	27.4	17.9	116 W	90	18*
12 7	9 35.18	+46 5.4	1.226	1.914	26.6	17.8	119 W	89	18
12 12	9 37.88	+46 45.6	1.171	1.898	25.7	17.6	123 W	88	17
12 17	9 39.26	+47 29.2	1.118	1.881	24.8	17.5	127 W	88	17
12 22	9 39.15	+48 15.6	1.069	1.864	23.7	17.3	130 W	87	16
12 27	9 37.35	+49 3.5	1.022	1.847	22.5	17.2	134 W	86	15
1 1	9 33.69	+49 51.0	0.979	1.829	21.3	17.0	138 W	85	14
1 6	9 28.03	+50 35.7	0.940	1.811	20.1	16.9	141 W	84	13
1 11	9 20.33	+51 14.2	0.905	1.793	19.0	16.7	143 W	84	13
1 16	9 10.70	+51 42.8	0.875	1.775	18.3	16.6	146 W	83	12
1 21	8 59.38	+51 57.7	0.849	1.757	17.9	16.5	147 W	83	12

19080 Martinfierro

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	22 50.10	+14 1.6	2.993	2.900	19.1	19.6	75 E	58*	32*
1 6	23 1.44	+14 25.1	3.131	2.911	18.3	19.6	68 E	56*	26*
1 16	23 13.57	+14 59.8	3.262	2.921	17.2	19.7	61 E	53*	21*
1 26	23 26.35	+15 44.4	3.385	2.930	15.9	19.7	55 E	48*	15*
2 5	23 39.66	+16 37.4	3.498	2.938	14.5	19.8	48 E	42*	11*
2 15	23 53.42	+17 37.6	3.599	2.945	13.1	19.8	42 E	36*	6*
2 25	0 7.56	+18 43.8	3.688	2.952	11.5	19.8	36 E	30*	2*
3 7	0 22.00	+19 54.8	3.764	2.957	9.9	19.8	31 E	24*	—
3 17	0 36.72	+21 9.6	3.826	2.962	8.4	19.8	26 E	19*	—
3 27	0 51.66	+22 27.0	3.874	2.965	7.0	19.7	21 E	13*	—
4 6	1 6.81	+23 46.1	3.907	2.968	5.8	19.7	18 E	8*	—
4 16	1 22.13	+25 6.1	3.924	2.969	5.2	19.7	15 W	7*	—
4 26	1 37.59	+26 26.2	3.927	2.970	5.2	19.7	16 W	9*	—
5 6	1 53.16	+27 45.5	3.915	2.970	5.9	19.7	18 W	11*	1*
5 16	2 8.83	+29 3.5	3.888	2.968	7.1	19.7	21 W	14*	5*
5 26	2 24.53	+30 19.6	3.847	2.966	8.5	19.8	26 W	17*	10*
6 5	2 40.24	+31 33.3	3.792	2.963	10.0	19.8	31 W	20*	14*
6 15	2 55.88	+32 44.2	3.723	2.959	11.6	19.8	36 W	24*	17*
6 25	3 11.38	+33 52.0	3.641	2.954	13.1	19.8	41 W	29*	19*
7 5	3 26.65	+34 56.5	3.548	2.948	14.6	19.8	47 W	35*	21*
7 15	3 41.58	+35 57.6	3.442	2.941	16.0	19.8	53 W	41*	23*
7 25	3 56.01	+36 55.4	3.327	2.933	17.2	19.8	59 W	48*	24*
8 4	4 9.79	+37 50.1	3.203	2.924	18.3	19.7	65 W	55*	24*
8 14	4 22.69	+38 41.9	3.070	2.914	19.3	19.6	72 W	62*	24*
8 24	4 34.48	+39 31.1	2.932	2.904	19.9	19.5	78 W	70*	24*
9 3	4 44.86	+40 18.2	2.789	2.892	20.4	19.4	86 W	78*	24*
9 13	4 53.46	+41 3.3	2.644	2.879	20.4	19.3	93 W	85*	23
9 18	4 56.96	+41 25.1	2.571	2.873	20.3	19.3	97 W	86	23
9 23	4 59.87	+41 46.3	2.499	2.866	20.1	19.2	101 W	87	22
9 28	5 2.13	+42 6.8	2.428	2.859	19.8	19.1	105 W	87	22
10 3	5 3.67	+42 26.5	2.358	2.851	19.3	19.0	109 W	87	22
10 8	5 4.42	+42 45.1	2.289	2.844	18.7	18.9	114 W	88	21
10 13	5 4.35	+43 2.2	2.223	2.836	18.0	18.8	118 W	88	21
10 18	5 3.40	+43 17.3	2.160	2.828	17.2	18.7	123 W	88	21
10 23	5 1.55	+43 29.9	2.100	2.820	16.2	18.6	128 W	88	21
11 2	4 55.09	+43 44.8	1.991	2.803	13.9	18.4	137 W	89	20
11 12	4 45.16	+43 40.5	1.902	2.785	11.2	18.2	147 W	89	20
11 22	4 32.60	+43 11.1	1.838	2.766	8.6	18.0	155 W	88	21
11 27	4 25.73	+42 45.7	1.816	2.756	7.7	17.9	158 W	88	21
12 2	4 18.76	+42 13.1	1.800	2.746	7.2	17.9	159 E	87	22
12 7	4 11.88	+41 33.6	1.793	2.736	7.4	17.9	159 E	87	22
12 12	4 5.34	+40 48.1	1.792	2.725	8.2	17.9	157 E	86	23

19080 Martinfierro *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 17	3 59.32	+39 57.7	1.799	2.714	9.3	18.0	153 E	85	24
12 22	3 53.96	+39 3.6	1.812	2.703	10.8	18.0	149 E	84	25
12 27	3 49.39	+38 7.2	1.832	2.692	12.3	18.1	144 E	83	26
1 1	3 45.69	+37 9.8	1.858	2.681	13.9	18.2	139 E	82	27
1 6	3 42.89	+36 12.8	1.890	2.669	15.3	18.3	134 E	81	28
1 11	3 41.02	+35 17.1	1.926	2.658	16.7	18.3	129 E	80	29
1 16	3 40.07	+34 23.8	1.967	2.646	18.0	18.4	124 E	79	30
1 21	3 39.98	+33 33.3	2.012	2.634	19.1	18.5	119 E	79	30

506428 2000 SJ_{100}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	22 50.85	− 0 19.3	1.734	1.654	33.6	21.3	69 E	44*	41*
1 6	23 14.97	+ 1 53.9	1.819	1.661	32.4	21.4	65 E	45*	36*
1 16	23 39.38	+ 4 11.3	1.904	1.672	31.1	21.4	61 E	46*	32*
1 26	0 4.04	+ 6 30.8	1.991	1.685	29.6	21.5	58 E	45*	28*
2 5	0 28.87	+ 8 49.7	2.078	1.701	28.0	21.6	54 E	44*	25*

138095 2000 DK_{79}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	22 51.14	+ 0 40.7	0.839	1.041	62.0	17.9	69 E	45*	41*
1 1	22 54.72	+ 6 46.6	0.887	1.045	60.5	18.0	68 E	50*	34*
1 6	22 58.25	+12 15.9	0.937	1.051	58.9	18.1	66 E	54*	27*
1 11	23 1.81	+17 13.0	0.990	1.060	57.2	18.2	65 E	56*	21*
1 16	23 5.46	+21 42.8	1.042	1.072	55.5	18.3	64 E	57*	15*
1 21	23 9.25	+25 49.8	1.093	1.086	53.7	18.3	63 E	57*	10*
1 26	23 13.24	+29 38.1	1.143	1.102	52.0	18.4	62 E	56*	5*
1 31	23 17.47	+33 11.4	1.190	1.120	50.4	18.5	61 E	54*	1*
2 5	23 22.03	+36 32.8	1.234	1.140	48.9	18.6	61 E	52*	—
2 10	23 26.98	+39 45.1	1.276	1.162	47.5	18.6	60 E	49*	—
2 15	23 32.40	+42 50.6	1.314	1.185	46.2	18.7	60 E	47*	—
2 20	23 38.38	+45 51.4	1.349	1.210	45.1	18.8	60 E	45*	—
2 25	23 45.01	+48 49.0	1.380	1.235	44.0	18.9	60 E	43*	—
3 2	23 52.45	+51 44.6	1.409	1.262	43.1	18.9	61 E	41*	—
3 7	0 0.87	+54 39.3	1.435	1.289	42.3	19.0	61 E	40*	—
3 12	0 10.55	+57 33.8	1.458	1.317	41.6	19.0	62 E	39*	—
3 17	0 21.82	+60 28.5	1.479	1.345	40.9	19.1	62 E	39*	—
3 19	0 26.87	+61 38.4	1.487	1.357	40.7	19.1	63 E	39*	—
3 21	0 32.30	+62 48.3	1.495	1.368	40.4	19.1	63 E	39*	—
3 23	0 38.15	+63 58.1	1.502	1.380	40.2	19.2	63 E	39*	—
3 25	0 44.48	+65 7.8	1.510	1.392	39.9	19.2	64 E	39*	—
3 27	0 51.35	+66 17.2	1.517	1.403	39.7	19.2	64 E	39*	—
3 29	0 58.85	+67 26.3	1.524	1.415	39.5	19.2	64 E	39*	—
3 31	1 7.07	+68 34.9	1.531	1.427	39.3	19.3	65 E	39*	—
4 2	1 16.13	+69 42.7	1.538	1.438	39.1	19.3	65 E	40*	—
4 4	1 26.17	+70 49.6	1.544	1.450	38.9	19.3	65 E	40*	—
4 6	1 37.34	+71 55.2	1.551	1.462	38.6	19.3	66 E	41*	—
4 7	1 43.41	+72 27.4	1.555	1.468	38.5	19.3	66 E	41*	—
4 8	1 49.84	+72 59.1	1.558	1.474	38.4	19.3	66 E	41*	—
4 9	1 56.66	+73 30.3	1.562	1.480	38.3	19.4	66 E	41*	—
4 10	2 3.89	+74 0.9	1.565	1.485	38.2	19.4	67 E	42*	—
4 11	2 11.57	+74 30.7	1.569	1.491	38.1	19.4	67 E	42*	—
4 12	2 19.73	+74 59.8	1.572	1.497	38.0	19.4	67 E	42*	—
4 13	2 28.41	+75 28.1	1.576	1.503	37.9	19.4	67 E	43*	—
4 14	2 37.63	+75 55.3	1.579	1.509	37.8	19.4	67 E	43*	—
4 15	2 47.44	+76 21.4	1.583	1.515	37.7	19.4	67 E	43*	—
4 16	2 57.85	+76 46.2	1.587	1.521	37.6	19.4	68 E	44*	—
4 17	3 8.91	+77 9.6	1.590	1.526	37.5	19.4	68 E	44*	—
4 18	3 20.61	+77 31.5	1.594	1.532	37.4	19.4	68 E	45*	—
4 19	3 32.99	+77 51.7	1.598	1.538	37.3	19.5	68 E	45*	—
4 20	3 46.02	+78 9.9	1.602	1.544	37.2	19.5	68 E	45*	—
4 21	3 59.69	+78 26.1	1.606	1.550	37.1	19.5	68 E	46*	—
4 22	4 13.97	+78 40.1	1.610	1.556	37.0	19.5	69 E	46*	—
4 23	4 28.80	+78 51.7	1.614	1.562	36.9	19.5	69 E	47*	—
4 24	4 44.11	+79 0.7	1.618	1.567	36.8	19.5	69 E	47*	—
4 25	4 59.78	+79 7.1	1.622	1.573	36.7	19.5	69 E	48*	—
4 26	5 15.72	+79 10.7	1.627	1.579	36.6	19.5	69 E	48*	—
4 27	5 31.80	+79 11.5	1.631	1.585	36.4	19.5	69 E	49*	—
4 28	5 47.87	+79 9.5	1.635	1.591	36.3	19.6	69 E	49*	—
4 29	6 3.80	+79 4.6	1.640	1.596	36.2	19.6	70 E	50*	—
4 30	6 19.48	+78 56.9	1.645	1.602	36.1	19.6	70 E	50*	—
5 1	6 34.78	+78 46.5	1.649	1.608	36.0	19.6	70 E	51*	—
5 2	6 49.61	+78 33.5	1.654	1.614	35.9	19.6	70 E	51*	—
5 3	7 3.89	+78 18.1	1.659	1.619	35.8	19.6	70 E	52*	—
5 4	7 17.57	+78 0.4	1.664	1.625	35.7	19.6	70 E	52*	—
5 5	7 30.62	+77 40.6	1.669	1.631	35.6	19.6	70 E	53*	—
5 6	7 43.01	+77 18.8	1.675	1.636	35.5	19.6	70 E	53*	—
5 8	8 5.83	+76 29.9	1.685	1.648	35.2	19.7	70 E	54*	—
5 10	8 26.15	+75 35.1	1.697	1.659	35.0	19.7	70 E	55*	—
5 12	8 44.19	+74 35.5	1.708	1.670	34.8	19.7	71 E	56*	—
5 14	9 0.21	+73 31.9	1.721	1.682	34.5	19.7	71 E	57*	—
5 16	9 14.47	+72 25.3	1.733	1.693	34.3	19.8	71 E	58*	—

138095 2000 DK_{79} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 17	9 21.02	+71 51.0	1.740	1.698	34.2	19.8	71 E	59*	—
5 18	9 27.23	+71 16.1	1.747	1.704	34.1	19.8	71 E	59*	—
5 19	9 33.11	+70 40.8	1.753	1.710	33.9	19.8	71 E	60*	—
5 20	9 38.69	+70 5.0	1.760	1.715	33.8	19.8	71 E	60*	—
5 21	9 44.00	+69 28.9	1.767	1.721	33.7	19.8	71 E	60*	—
5 22	9 49.05	+68 52.5	1.775	1.726	33.6	19.8	71 E	61*	—
5 23	9 53.87	+68 15.7	1.782	1.732	33.5	19.8	71 E	61*	—
5 24	9 58.47	+67 38.8	1.789	1.737	33.3	19.9	70 E	61*	—
5 25	10 2.87	+67 1.6	1.797	1.742	33.2	19.9	70 E	62*	—
5 26	10 7.09	+66 24.3	1.805	1.748	33.1	19.9	70 E	62*	—
5 28	10 15.01	+65 9.2	1.820	1.759	32.8	19.9	70 E	62*	—
5 30	10 22.33	+63 53.7	1.837	1.770	32.6	19.9	70 E	63*	—
6 1	10 29.14	+62 38.1	1.854	1.780	32.3	20.0	70 E	63*	1
6 3	10 35.50	+61 22.4	1.871	1.791	32.1	20.0	70 E	63*	3
6 5	10 41.47	+60 6.8	1.889	1.801	31.8	20.0	69 E	63*	4
6 7	10 47.10	+58 51.5	1.907	1.812	31.5	20.0	69 E	63*	5
6 9	10 52.43	+57 36.5	1.926	1.822	31.3	20.1	69 E	63*	6
6 11	10 57.49	+56 21.9	1.945	1.833	31.0	20.1	68 E	62*	8*
6 13	11 2.32	+55 7.7	1.965	1.843	30.7	20.1	68 E	62*	9*
6 15	11 6.95	+53 54.2	1.985	1.853	30.4	20.1	68 E	61*	10*
6 20	11 17.73	+50 53.2	2.037	1.879	29.7	20.2	66 E	59*	13*
6 25	11 27.62	+47 56.8	2.092	1.903	29.0	20.3	65 E	57*	16*
6 30	11 36.81	+45 5.5	2.149	1.928	28.2	20.3	64 E	55*	18*
7 5	11 45.47	+42 19.6	2.208	1.952	27.4	20.4	62 E	52*	21*
7 10	11 53.70	+39 39.2	2.269	1.975	26.6	20.5	60 E	49*	23*
7 15	12 1.59	+37 4.4	2.330	1.998	25.7	20.5	59 E	47*	24*
7 20	12 9.20	+34 35.2	2.393	2.020	24.8	20.6	57 E	44*	25*
7 25	12 16.58	+32 11.6	2.455	2.042	23.9	20.6	55 E	42*	26*
7 30	12 23.77	+29 53.3	2.518	2.064	23.0	20.7	52 E	39*	27*
8 4	12 30.81	+27 40.2	2.581	2.085	22.0	20.7	50 E	37*	27*
8 9	12 37.73	+25 32.1	2.644	2.105	21.0	20.8	48 E	35*	27*
8 14	12 44.54	+23 28.8	2.705	2.125	20.0	20.8	46 E	33*	26*
8 19	12 51.27	+21 30.2	2.765	2.145	18.9	20.8	43 E	31*	25*
8 24	12 57.92	+19 35.9	2.824	2.163	17.8	20.9	41 E	29*	24*
8 29	13 4.51	+17 45.8	2.880	2.182	16.7	20.9	38 E	27*	22*
9 3	13 11.06	+15 59.6	2.935	2.200	15.6	20.9	36 E	25*	20*
9 8	13 17.56	+14 17.2	2.987	2.217	14.5	20.9	33 E	23*	18*
9 13	13 24.04	+12 38.4	3.036	2.234	13.4	20.9	31 E	21*	16*
9 18	13 30.48	+11 3.0	3.082	2.251	12.3	20.9	28 E	20*	14*
9 23	13 36.89	+ 9 30.8	3.125	2.266	11.2	20.9	26 E	18*	11*
9 28	13 43.29	+ 8 1.7	3.165	2.282	10.1	20.9	24 E	16*	9*
10 3	13 49.67	+ 6 35.5	3.201	2.297	9.1	20.9	21 E	14*	6*
10 8	13 56.03	+ 5 12.1	3.233	2.311	8.1	20.9	19 E	13*	3*
10 13	14 2.37	+ 3 51.3	3.261	2.325	7.2	20.9	17 E	11*	—
10 18	14 8.70	+ 2 33.0	3.285	2.338	6.5	20.9	15 E	9*	—
10 23	14 15.01	+ 1 17.2	3.304	2.351	5.9	20.9	14 E	7*	—
10 28	14 21.30	+ 0 3.6	3.319	2.364	5.6	20.9	13 E	5*	—
11 2	14 27.56	− 1 7.9	3.329	2.376	5.6	20.9	14 W	4*	—
11 7	14 33.81	− 2 17.2	3.335	2.387	5.9	21.0	14 W	6*	—
11 12	14 40.02	− 3 24.6	3.335	2.398	6.5	21.0	16 W	9*	—
11 17	14 46.19	− 4 30.2	3.331	2.408	7.2	21.0	18 W	12*	—
11 22	14 52.32	− 5 33.9	3.322	2.418	8.1	21.1	20 W	14*	—
11 27	14 58.40	− 6 36.1	3.308	2.427	9.0	21.1	23 W	16*	3*
12 2	15 4.43	− 7 36.7	3.289	2.436	10.0	21.2	26 W	19*	6*
12 7	15 10.39	− 8 35.9	3.265	2.445	11.1	21.2	29 W	20*	10*
12 12	15 16.27	− 9 33.8	3.236	2.453	12.1	21.2	32 W	22*	13*
12 17	15 22.06	−10 30.4	3.203	2.460	13.2	21.3	35 W	24*	17*
12 22	15 27.74	−11 26.0	3.165	2.467	14.3	21.3	38 W	25*	21*
12 27	15 33.31	−12 20.8	3.122	2.474	15.3	21.3	42 W	26*	26*
1 1	15 38.74	−13 14.7	3.075	2.479	16.3	21.3	45 W	26*	30*
1 6	15 44.01	−14 8.1	3.024	2.485	17.3	21.3	49 W	27*	34*
1 11	15 49.10	−15 1.0	2.968	2.490	18.2	21.3	52 W	27*	39*
1 16	15 54.00	−15 53.8	2.909	2.494	19.1	21.3	56 W	27*	43*
1 21	15 58.66	−16 46.5	2.847	2.498	19.9	21.3	60 W	27*	48*

165394 2000 XC_{15}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 51.68	−28 10.4	3.394	3.022	16.3	21.0	60 E	17*	52*
1 6	23 2.71	−26 15.9	3.504	3.019	15.1	21.1	53 E	17*	45*
1 16	23 14.39	−24 21.1	3.603	3.016	13.7	21.1	47 E	17*	39*
1 26	23 26.59	−22 26.3	3.690	3.011	12.3	21.1	41 E	15*	33*
2 5	23 39.18	−20 32.1	3.764	3.006	10.7	21.0	35 E	12*	27*
2 15	23 52.09	−18 38.8	3.825	2.999	9.2	21.0	29 E	8*	22*
2 25	0 5.24	−16 46.9	3.870	2.992	7.7	21.0	24 E	4*	18*
3 7	0 18.56	−14 56.8	3.901	2.984	6.4	20.9	19 E	—	13*
3 17	0 32.03	−13 9.0	3.917	2.975	5.4	20.9	16 E	—	9*
3 27	0 45.58	−11 24.1	3.917	2.964	5.0	20.8	15 E	—	5*
4 6	0 59.19	− 9 42.3	3.902	2.953	5.4	20.8	16 W	—	1*
4 16	1 12.82	− 8 4.3	3.872	2.941	6.4	20.9	19 W	—	7*
4 26	1 26.43	− 6 30.6	3.827	2.928	7.8	20.9	23 W	—	13*
5 6	1 40.00	− 5 1.5	3.768	2.914	9.3	20.9	28 W	—	19*
5 16	1 53.49	− 3 37.5	3.695	2.899	10.9	20.9	33 W	—	26*

165394 2000 XC_{15} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 26	2 6.83	− 2 19.1	3.609	2.883	12.6	20.9	38 W	—	32*
6 5	2 19.99	− 1 6.6	3.510	2.866	14.2	20.9	44 W	1*	38*
6 15	2 32.89	− 0 0.4	3.401	2.849	15.7	20.9	50 W	6*	43*
6 25	2 45.45	+ 0 59.0	3.281	2.830	17.2	20.8	55 W	12*	48*
7 5	2 57.57	+ 1 51.5	3.151	2.811	18.5	20.8	61 W	18*	53*
7 15	3 9.13	+ 2 36.7	3.013	2.790	19.7	20.7	68 W	25*	56*
7 25	3 19.97	+ 3 14.6	2.869	2.769	20.7	20.6	74 W	32*	58*
8 4	3 29.93	+ 3 45.0	2.719	2.746	21.4	20.5	81 W	38*	60*
8 14	3 38.76	+ 4 8.2	2.566	2.723	21.8	20.4	88 W	43*	60*
8 24	3 46.20	+ 4 24.3	2.412	2.699	21.9	20.2	95 W	48*	60
9 3	3 51.96	+ 4 34.0	2.258	2.674	21.6	20.1	103 W	50*	59
9 13	3 55.65	+ 4 38.2	2.108	2.649	20.7	19.9	112 W	50	59
9 23	3 56.92	+ 4 38.2	1.965	2.622	19.2	19.6	121 W	50	59
10 3	3 55.40	+ 4 36.1	1.834	2.595	17.1	19.4	130 W	50	59
10 13	3 50.81	+ 4 34.3	1.717	2.567	14.3	19.1	140 W	50	59
10 23	3 43.13	+ 4 36.5	1.620	2.538	10.9	18.9	151 W	50	59
11 2	3 32.66	+ 4 46.2	1.548	2.508	7.3	18.6	161 W	50	59
11 12	3 20.19	+ 5 7.2	1.503	2.478	5.1	18.4	167 W	50	59
11 22	3 7.00	+ 5 42.3	1.487	2.447	7.0	18.4	162 E	51	58
12 2	2 54.50	+ 6 32.4	1.500	2.415	11.1	18.6	152 E	52	57
12 12	2 44.01	+ 7 37.1	1.540	2.383	15.3	18.8	140 E	53	56
12 22	2 36.46	+ 8 55.0	1.600	2.350	18.9	18.9	129 E	54	55
1 1	2 32.26	+10 23.5	1.677	2.317	21.9	19.1	119 E	55	54
1 11	2 31.48	+12 0.8	1.766	2.283	24.0	19.3	109 E	57	52*
1 21	2 33.96	+13 44.6	1.860	2.249	25.5	19.4	100 E	59	49*

53430 1999 TY_{16}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 53.63	+22 34.6	0.963	1.252	50.7	19.0	80 E	67*	27*
1 1	23 18.57	+19 19.1	0.989	1.253	50.4	19.0	79 E	64*	30*
1 6	23 41.90	+16 9.9	1.024	1.256	49.9	19.1	77 E	61*	32*
1 11	0 3.65	+13 11.6	1.065	1.260	49.2	19.2	76 E	58*	35*
1 16	0 23.91	+10 27.1	1.113	1.266	48.3	19.3	74 E	55*	37*
1 21	0 42.81	+ 7 57.5	1.166	1.274	47.3	19.3	72 E	52*	38*
1 26	1 0.47	+ 5 43.1	1.223	1.284	46.2	19.4	70 E	49*	40*
1 31	1 17.06	+ 3 42.9	1.283	1.295	44.9	19.5	68 E	47*	41*
2 5	1 32.72	+ 1 56.1	1.344	1.308	43.6	19.6	66 E	44*	42*
2 10	1 47.60	+ 0 21.2	1.406	1.323	42.3	19.7	64 E	42*	43*
2 15	2 1.81	− 1 3.0	1.468	1.338	40.9	19.8	62 E	39*	43*
2 20	2 15.46	− 2 18.0	1.530	1.356	39.5	19.9	61 E	37*	43*
2 25	2 28.65	− 3 25.1	1.591	1.374	38.1	19.9	59 E	35*	44*
3 2	2 41.45	− 4 25.4	1.651	1.393	36.8	20.0	57 E	32*	44*
3 7	2 53.95	− 5 19.9	1.709	1.414	35.5	20.1	56 E	30*	44*
3 12	3 6.20	− 6 9.6	1.765	1.435	34.2	20.1	54 E	27*	44*
3 17	3 18.26	− 6 55.3	1.819	1.457	33.1	20.2	53 E	25*	44*
3 22	3 30.18	− 7 37.7	1.871	1.480	32.0	20.3	52 E	22*	43*
3 27	3 41.99	− 8 17.7	1.921	1.503	30.9	20.3	51 E	20*	43*
4 6	4 5.42	− 9 32.1	2.013	1.552	29.1	20.4	49 E	14*	43*
4 16	4 28.79	−10 42.5	2.096	1.602	27.6	20.6	48 E	9*	42*
4 26	4 52.23	−11 52.2	2.171	1.653	26.3	20.7	47 E	3*	40*
5 6	5 15.82	−13 3.6	2.240	1.705	25.3	20.8	46 E	—	39*
5 16	5 39.63	−14 18.6	2.302	1.758	24.4	20.9	46 E	—	37*
5 26	6 3.67	−15 38.5	2.361	1.810	23.7	21.0	46 E	—	35*
6 5	6 27.92	−17 4.1	2.417	1.862	23.1	21.1	46 E	—	33*
6 15	6 52.35	−18 35.7	2.472	1.913	22.5	21.2	46 E	—	30*
6 25	7 16.89	−20 13.4	2.526	1.964	21.9	21.2	46 E	—	26*
7 5	7 41.48	−21 56.6	2.582	2.014	21.3	21.3	46 E	—	23*
7 15	8 6.05	−23 44.7	2.638	2.064	20.7	21.4	46 E	—	20*
7 25	8 30.52	−25 36.7	2.697	2.112	20.0	21.5	45 E	—	16*

434110 2002 OX_{22}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 53.82	+ 8 49.9	1.714	1.715	33.3	19.6	73 E	53*	36*
1 6	23 21.53	+ 8 45.8	1.824	1.743	31.9	19.8	70 E	52*	34*
1 16	23 48.49	+ 8 54.9	1.940	1.775	30.3	19.9	66 E	51*	31*
1 26	0 14.68	+ 9 14.4	2.061	1.809	28.5	20.0	61 E	49*	29*
2 5	0 40.08	+ 9 41.3	2.185	1.845	26.6	20.1	57 E	46*	27*
2 15	1 4.77	+10 13.3	2.310	1.883	24.6	20.2	53 E	42*	25*
2 25	1 28.80	+10 47.7	2.435	1.923	22.6	20.3	48 E	38*	23*
3 7	1 52.21	+11 22.5	2.558	1.965	20.4	20.4	44 E	34*	22*
3 17	2 15.09	+11 55.7	2.677	2.007	18.3	20.5	39 E	30*	20*
3 27	2 37.47	+12 25.9	2.791	2.051	16.1	20.6	35 E	25*	19*
4 6	2 59.37	+12 51.5	2.899	2.096	13.9	20.6	30 E	20*	17*
4 16	3 20.85	+13 11.4	2.999	2.141	11.8	20.7	26 E	14*	15*
4 26	3 41.90	+13 24.6	3.092	2.187	9.7	20.7	21 E	9*	13*
5 6	4 2.52	+13 30.4	3.175	2.233	7.7	20.7	17 E	3*	10*
5 16	4 22.71	+13 28.2	3.249	2.279	6.0	20.7	14 E	—	8*
5 26	4 42.45	+13 17.4	3.312	2.325	4.7	20.7	11 E	—	4*
6 5	5 1.70	+12 57.9	3.364	2.371	4.2	20.8	10 E	—	—
6 15	5 20.45	+12 29.4	3.405	2.416	4.7	20.9	11 W	—	2*
6 25	5 38.64	+11 51.8	3.434	2.462	5.9	21.0	14 W	—	7*
7 5	5 56.24	+11 5.1	3.451	2.507	7.4	21.1	18 W	—	12*
7 15	6 13.21	+10 9.6	3.455	2.552	9.0	21.2	23 W	—	17*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		434110 2002 OX_{22}				*(continuation)*			
	h m	° ′			°	m	°	°	°
7 25	6 29.47	+ 9 5.2	3.448	2.596	10.6	21.3	28 W	4*	22*
8 4	6 44.99	+ 7 52.4	3.429	2.640	12.2	21.4	33 W	9*	26*
8 14	6 59.69	+ 6 31.4	3.397	2.683	13.7	21.5	39 W	15*	31*
		54071 2000 GQ_{146}							
12 27	22 53.92	−16 21.4	1.716	1.550	34.6	20.9	63 E	28*	50*
1 6	23 12.89	−12 19.6	1.790	1.535	33.3	20.9	59 E	31*	43*
1 16	23 32.16	− 8 19.8	1.858	1.518	31.9	20.9	55 E	33*	37*
1 26	23 51.82	− 4 21.6	1.919	1.499	30.4	20.9	51 E	34*	31*
2 5	0 11.95	− 0 25.1	1.973	1.479	28.9	20.9	46 E	34*	26*
2 15	0 32.70	+ 3 29.7	2.019	1.456	27.4	20.9	43 E	32*	22*
2 25	0 54.23	+ 7 22.4	2.057	1.431	25.8	20.8	39 E	30*	18*
3 7	1 16.71	+11 12.2	2.087	1.406	24.3	20.8	36 E	28*	15*
3 17	1 40.40	+14 58.1	2.108	1.378	22.9	20.7	33 E	26*	11*
3 27	2 5.55	+18 38.4	2.120	1.350	21.6	20.6	30 E	23*	9*
4 6	2 32.47	+22 10.5	2.125	1.320	20.5	20.6	27 E	21*	7*
4 16	3 1.51	+25 31.1	2.122	1.291	19.5	20.5	25 E	19*	5*
4 26	3 33.01	+28 35.5	2.113	1.261	18.9	20.4	24 E	18*	3*
5 1	3 49.78	+29 59.8	2.106	1.246	18.6	20.3	23 E	17*	3*
5 6	4 7.27	+31 17.6	2.098	1.231	18.4	20.3	23 E	17*	2*
5 11	4 25.52	+32 28.0	2.089	1.216	18.3	20.3	22 E	16*	2*
5 16	4 44.51	+33 29.8	2.079	1.202	18.3	20.2	22 E	16*	2*
5 21	5 4.23	+34 22.0	2.069	1.188	18.3	20.2	22 E	15*	1*
5 26	5 24.63	+35 3.4	2.058	1.174	18.3	20.2	21 E	15*	1*
5 31	5 45.67	+35 32.9	2.046	1.161	18.4	20.1	21 E	15*	2*
6 5	6 7.25	+35 49.5	2.035	1.148	18.6	20.1	21 E	15*	2*
6 10	6 29.25	+35 52.1	2.024	1.136	18.7	20.1	21 E	15*	2*
6 15	6 51.55	+35 40.1	2.012	1.125	18.9	20.0	21 E	14*	3*
6 20	7 13.99	+35 12.9	2.002	1.114	19.1	20.0	21 E	14*	3*
6 25	7 36.40	+34 30.4	1.992	1.105	19.2	20.0	21 E	14*	4*
6 30	7 58.65	+33 32.6	1.983	1.096	19.4	20.0	21 E	14*	5*
7 5	8 20.60	+32 19.9	1.975	1.088	19.5	19.9	21 E	13*	5*
7 10	8 42.13	+30 52.9	1.969	1.082	19.6	19.9	21 E	13*	6*
7 15	9 3.16	+29 12.6	1.963	1.076	19.7	19.9	21 E	12*	7*
7 20	9 23.62	+27 19.9	1.959	1.072	19.7	19.9	21 E	12*	8*
7 25	9 43.47	+25 16.2	1.957	1.069	19.6	19.9	21 E	11*	9*
7 30	10 2.71	+23 2.8	1.956	1.067	19.5	19.9	21 E	11*	9*
8 4	10 21.35	+20 41.0	1.957	1.067	19.4	19.9	20 E	10*	10*
8 9	10 39.42	+18 12.2	1.960	1.068	19.2	19.9	20 E	9*	11*
8 14	10 56.96	+15 37.8	1.964	1.070	18.9	19.9	20 E	9*	11*
8 19	11 14.01	+12 59.0	1.969	1.073	18.6	19.9	20 E	8*	11*
8 24	11 30.64	+10 17.3	1.976	1.077	18.3	19.9	20 E	7*	12*
8 29	11 46.91	+ 7 33.7	1.985	1.083	17.9	19.9	19 E	6*	12*
9 3	12 2.88	+ 4 49.2	1.995	1.090	17.4	19.9	19 E	5*	12*
9 8	12 18.61	+ 2 5.0	2.006	1.098	17.0	19.9	19 E	4*	12*
9 13	12 34.17	− 0 38.2	2.018	1.107	16.5	19.9	18 E	3*	12*
9 18	12 49.61	− 3 19.4	2.031	1.117	16.0	19.9	18 E	2*	12*
9 23	13 4.99	− 5 57.8	2.045	1.128	15.4	20.0	17 E	1*	11*
10 3	13 35.80	−11 3.7	2.075	1.151	14.3	20.0	17 E	—	11*
10 13	14 7.03	−15 51.1	2.107	1.177	13.3	20.0	16 E	—	10*
10 23	14 39.01	−20 15.2	2.140	1.205	12.2	20.1	15 E	—	9*
11 2	15 12.03	−24 12.2	2.174	1.235	11.2	20.1	14 E	—	8*
11 12	15 46.27	−27 38.4	2.207	1.264	10.4	20.2	13 E	—	6*
11 22	16 21.74	−30 30.3	2.240	1.294	9.7	20.2	13 E	—	5*
12 2	16 58.33	−32 45.3	2.271	1.324	9.1	20.3	12 E	—	4*
12 12	17 35.75	−34 21.3	2.300	1.353	8.8	20.4	12 E	—	4*
12 22	18 13.54	−35 17.7	2.327	1.382	8.7	20.4	12 E	—	3*
12 27	18 32.42	−35 31.2	2.340	1.396	8.7	20.5	12 E	—	2*
1 1	18 51.20	−35 35.1	2.352	1.409	8.8	20.5	13 E	—	2*
1 6	19 9.81	−35 29.9	2.363	1.422	8.9	20.5	13 E	—	1*
1 11	19 28.18	−35 15.8	2.373	1.435	9.1	20.6	13 W	—	1*
1 16	19 46.26	−34 53.4	2.383	1.447	9.4	20.6	14 W	—	2*
1 21	20 4.01	−34 23.1	2.391	1.459	9.7	20.6	14 W	—	3*
		153305 2001 HV_{62}							
12 27	22 54.20	− 8 48.7	1.887	1.739	31.1	20.7	66 E	36*	47*
1 6	23 16.96	− 6 17.8	1.996	1.764	29.5	20.8	62 E	37*	41*
1 16	23 39.43	− 3 45.3	2.104	1.790	27.8	20.9	58 E	38*	36*
1 26	0 1.65	− 1 12.9	2.213	1.817	26.0	21.0	54 E	38*	32*
2 5	0 23.66	+ 1 17.7	2.320	1.845	24.1	21.1	50 E	37*	28*
2 15	0 45.50	+ 3 45.0	2.425	1.874	22.2	21.2	46 E	34*	24*
2 25	1 7.22	+ 6 7.7	2.528	1.903	20.2	21.2	42 E	31*	21*
3 7	1 28.87	+ 8 24.4	2.626	1.933	18.1	21.3	37 E	28*	19*
3 17	1 50.48	+10 34.2	2.720	1.963	16.1	21.3	33 E	24*	16*
3 27	2 12.07	+12 36.1	2.809	1.994	14.0	21.3	29 E	20*	13*
4 6	2 33.67	+14 29.0	2.891	2.024	11.8	21.4	25 E	16*	11*
4 16	2 55.29	+16 12.4	2.967	2.054	9.7	21.4	20 E	12*	8*
4 26	3 16.92	+17 45.6	3.034	2.085	7.6	21.4	16 E	8*	6*
5 6	3 38.54	+19 8.2	3.094	2.115	5.4	21.3	11 E	3*	3*
5 16	4 0.12	+20 19.7	3.144	2.144	3.3	21.3	7 E	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		153305 2001 HV_{62}				*(continuation)*			
	h m	° ′			°	m	°	°	°
5 26	4 21.62	+21 19.9	3.185	2.173	1.2	21.2	3 E	—	—
6 5	4 42.99	+22 8.9	3.216	2.202	0.9	21.2	2 W	—	—
6 15	5 4.18	+22 46.6	3.236	2.230	3.0	21.4	7 W	—	—
		317207 2002 CH_{10}							
12 27	22 54.20	− 9 40.3	1.931	1.771	30.4	21.1	66 E	35*	47*
1 6	23 13.44	− 6 59.9	1.995	1.745	29.5	21.1	61 E	37*	41*
1 16	23 33.60	− 4 12.5	2.055	1.720	28.5	21.1	57 E	37*	35*
1 26	23 54.59	− 1 19.4	2.110	1.697	27.3	21.1	52 E	37*	30*
2 5	0 16.39	+ 1 37.8	2.162	1.677	26.0	21.1	48 E	36*	26*
2 15	0 39.00	+ 4 37.1	2.210	1.658	24.7	21.1	45 E	34*	23*
2 25	1 2.43	+ 7 36.5	2.255	1.642	23.3	21.0	41 E	32*	20*
3 7	1 26.73	+10 33.4	2.298	1.629	21.8	21.0	38 E	29*	17*
3 17	1 51.94	+13 25.4	2.338	1.618	20.4	21.0	34 E	27*	15*
3 27	2 18.09	+16 9.5	2.376	1.611	18.9	21.0	31 E	24*	13*
4 6	2 45.22	+18 42.8	2.412	1.606	17.3	21.0	29 E	21*	11*
4 16	3 13.31	+21 2.4	2.448	1.605	15.8	20.9	26 E	18*	9*
4 26	3 42.33	+23 5.3	2.482	1.607	14.3	20.9	23 E	16*	8*
5 6	4 12.16	+24 48.9	2.517	1.611	12.7	20.9	21 E	13*	7*
5 16	4 42.67	+26 10.9	2.550	1.619	11.1	20.9	18 E	10*	5*
5 26	5 13.62	+27 9.7	2.583	1.630	9.6	20.9	16 E	8*	4*
6 5	5 44.76	+27 44.2	2.616	1.644	8.0	20.8	13 E	6*	2*
6 15	6 15.82	+27 54.5	2.647	1.660	6.5	20.8	11 E	3*	—
6 25	6 46.51	+27 41.0	2.678	1.678	5.0	20.8	8 E	2*	—
7 5	7 16.57	+27 5.3	2.706	1.699	3.8	20.8	6 E	—	—
7 15	7 45.80	+26 9.3	2.733	1.722	3.0	20.8	5 E	—	—
7 25	8 14.05	+24 55.3	2.756	1.747	3.1	20.8	5 W	—	—
8 4	8 41.21	+23 26.1	2.776	1.773	4.0	20.9	7 W	1*	—
8 14	9 7.27	+21 44.2	2.792	1.801	5.4	21.0	10 W	4*	—
8 24	9 32.21	+19 52.3	2.803	1.830	7.0	21.2	13 W	7*	—
9 3	9 56.06	+17 53.0	2.808	1.860	8.7	21.3	16 W	10*	1*
9 13	10 18.89	+15 48.5	2.806	1.891	10.4	21.4	20 W	14*	3*
9 23	10 40.74	+13 40.9	2.798	1.923	12.2	21.5	24 W	17*	5*
		427494 2002 BK_{26}							
12 27	22 54.52	+23 44.7	1.201	1.426	42.9	20.8	81 E	68*	26*
1 6	23 20.68	+25 55.5	1.254	1.425	42.5	20.9	78 E	69*	22*
1 16	23 49.02	+28 5.6	1.306	1.426	41.9	21.0	76 E	68*	18*
1 26	0 19.49	+30 11.2	1.359	1.429	41.3	21.1	73 E	67*	16*
2 5	0 51.95	+32 7.1	1.412	1.433	40.5	21.1	71 E	65*	14*
2 15	1 26.26	+33 48.2	1.467	1.440	39.7	21.2	69 E	63*	14*
2 25	2 2.12	+35 9.6	1.526	1.449	38.8	21.3	66 E	60*	13*
3 7	2 39.09	+36 6.5	1.587	1.460	37.7	21.3	64 E	58*	14*
3 17	3 16.67	+36 36.0	1.653	1.472	36.6	21.4	62 E	56*	14*
3 27	3 54.26	+36 36.4	1.722	1.485	35.3	21.5	59 E	53*	16*
		415802 2001 JT_{2}							
12 27	22 54.60	−41 31.0	1.973	1.682	29.9	21.2	58 E	3*	52*
1 1	23 8.83	−38 53.3	2.016	1.701	29.1	21.3	57 E	6*	51*
1 6	23 22.17	−36 15.8	2.062	1.720	28.3	21.3	56 E	8*	50*
1 11	23 34.77	−33 39.5	2.111	1.740	27.5	21.4	55 E	10*	49*
1 16	23 46.72	−31 5.3	2.161	1.759	26.6	21.4	53 E	12*	47*
1 21	23 58.12	−28 33.8	2.213	1.779	25.7	21.5	52 E	14*	45*
1 26	0 9.05	−26 5.5	2.266	1.799	24.8	21.5	50 E	15*	43*
		317096 2001 TD_{36}							
12 27	22 54.81	− 5 52.4	1.706	1.607	34.4	21.1	67 E	39*	45*
1 6	23 17.70	− 2 52.0	1.776	1.602	33.3	21.2	64 E	41*	40*
1 16	23 41.15	+ 0 12.1	1.846	1.599	32.2	21.2	60 E	42*	35*
1 26	0 5.11	+ 3 17.8	1.916	1.600	30.9	21.3	57 E	42*	30*
2 5	0 29.56	+ 6 22.6	1.986	1.604	29.5	21.3	53 E	42*	27*
2 15	0 54.53	+ 9 24.0	2.056	1.611	28.0	21.3	50 E	40*	23*
2 25	1 20.04	+12 19.3	2.127	1.620	26.5	21.4	47 E	38*	21*
3 7	1 46.08	+15 5.9	2.197	1.633	24.9	21.4	44 E	36*	18*
3 17	2 12.67	+17 41.4	2.268	1.648	23.2	21.5	41 E	33*	16*
3 27	2 39.80	+20 3.4	2.339	1.666	21.5	21.5	38 E	30*	15*
		248298 2005 LX_{19}							
12 27	22 54.86	+45 15.5	1.555	1.871	31.7	19.9	92 E	85*	9*
1 1	23 10.19	+45 13.0	1.602	1.892	31.3	19.9	91 E	84*	9*
1 6	23 25.70	+45 10.4	1.650	1.914	30.9	20.0	90 E	82*	8*
1 11	23 41.34	+45 7.5	1.701	1.935	30.5	20.1	88 E	81*	8*
1 16	23 57.07	+45 4.3	1.753	1.957	30.1	20.2	87 E	79*	7*
1 21	0 12.82	+45 0.7	1.807	1.979	29.7	20.3	85 E	77*	7*
1 26	0 28.55	+44 56.6	1.864	2.001	29.2	20.3	83 E	75*	7*
1 31	0 44.22	+44 51.7	1.922	2.023	28.8	20.4	81 E	74*	7*
2 5	0 59.79	+44 46.1	1.982	2.045	28.3	20.5	79 E	72*	6*
2 10	1 15.24	+44 39.6	2.043	2.067	27.8	20.6	77 E	70*	6*
2 15	1 30.54	+44 32.3	2.106	2.089	27.2	20.6	75 E	68*	6*
2 20	1 45.68	+44 24.1	2.170	2.111	26.7	20.7	73 E	66*	6*
2 25	2 0.63	+44 14.9	2.236	2.133	26.1	20.8	71 E	64*	7*

248298 2005 *LX*$_{19}$ *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 2	2 15.37	+44 4.6	2.302	2.155	25.4	20.8	69 E	62*	7*
3 7	2 29.91	+43 53.3	2.369	2.177	24.8	20.9	67 E	60*	7*
3 12	2 44.22	+43 40.9	2.437	2.198	24.1	21.0	64 E	57*	7*
3 17	2 58.32	+43 27.4	2.505	2.220	23.3	21.0	62 E	55*	7*
3 22	3 12.18	+43 12.7	2.573	2.242	22.6	21.1	60 E	53*	7*
3 27	3 25.81	+42 56.9	2.641	2.263	21.8	21.1	57 E	51*	7*
4 1	3 39.19	+42 39.9	2.708	2.284	21.0	21.2	55 E	49*	7*
4 6	3 52.34	+42 21.6	2.775	2.306	20.1	21.2	52 E	46*	7*
4 11	4 5.26	+42 2.2	2.841	2.327	19.3	21.3	50 E	44*	7*
4 16	4 17.94	+41 41.5	2.906	2.348	18.4	21.3	48 E	42*	7*
4 21	4 30.38	+41 19.6	2.969	2.368	17.5	21.4	45 E	39*	7*
4 26	4 42.58	+40 56.5	3.032	2.389	16.5	21.4	43 E	37*	7*
5 1	4 54.54	+40 32.1	3.092	2.409	15.6	21.4	40 E	34*	7*
5 6	5 6.27	+40 6.6	3.151	2.430	14.6	21.4	38 E	31*	6*
5 11	5 17.76	+39 39.8	3.208	2.450	13.7	21.5	35 E	29*	6*
5 16	5 29.03	+39 11.9	3.262	2.470	12.7	21.5	32 E	26*	5*
5 21	5 40.07	+38 42.8	3.314	2.489	11.7	21.5	30 E	24*	5*

284152 2005 *XC*$_4$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 54.95	+18 13.9	3.583	3.516	15.9	21.4	78 E	63*	30*
1 6	23 3.32	+18 26.3	3.728	3.526	15.3	21.4	71 E	60*	24*
1 16	23 12.60	+18 50.0	3.865	3.536	14.4	21.5	63 E	56*	18*
1 26	23 22.62	+19 24.0	3.993	3.544	13.4	21.5	56 E	50*	13*
2 5	23 33.24	+20 7.2	4.110	3.552	12.2	21.6	50 E	44*	8*

100681 1997 *YD*$_1$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 55.03	+17 18.9	2.950	2.904	19.3	21.0	78 E	62*	31*
1 6	23 5.98	+17 28.2	3.068	2.895	18.7	21.1	71 E	60*	25*
1 16	23 17.93	+17 50.5	3.180	2.885	17.8	21.1	64 E	56*	20*
1 26	23 30.74	+18 24.4	3.284	2.874	16.7	21.2	57 E	51*	15*
2 5	23 44.28	+19 8.4	3.379	2.862	15.5	21.2	51 E	45*	10*
2 15	23 58.45	+20 1.2	3.462	2.849	14.2	21.2	45 E	39*	6*
2 25	0 13.18	+21 1.2	3.534	2.835	12.7	21.2	39 E	33*	3*
3 7	0 28.41	+22 7.2	3.592	2.820	11.2	21.1	34 E	27*	—
3 17	0 44.12	+23 17.8	3.638	2.804	9.7	21.1	28 E	21*	—
3 27	1 0.25	+24 31.9	3.670	2.787	8.3	21.0	24 E	16*	—
4 6	1 16.81	+25 48.0	3.688	2.769	7.1	21.0	20 E	11*	—
4 16	1 33.77	+27 5.3	3.693	2.750	6.2	20.9	17 W	7*	—
4 26	1 51.12	+28 22.5	3.684	2.730	5.8	20.9	16 W	9*	—
5 6	2 8.86	+29 38.5	3.661	2.709	6.1	20.9	16 W	10*	—
5 16	2 26.99	+30 52.4	3.625	2.687	6.9	20.9	19 W	12*	1*
5 26	2 45.47	+32 3.2	3.577	2.664	8.2	20.9	22 W	15*	5*
6 5	3 4.30	+33 9.9	3.516	2.641	9.7	20.9	26 W	18*	9*
6 15	3 23.43	+34 11.8	3.443	2.616	11.3	20.9	30 W	21*	12*
6 25	3 42.82	+35 7.9	3.358	2.591	13.0	20.9	35 W	25*	14*
7 5	4 2.41	+35 57.8	3.264	2.565	14.7	20.8	40 W	30*	16*
7 15	4 22.12	+36 40.7	3.158	2.538	16.3	20.8	45 W	35*	18*
7 25	4 41.83	+37 16.3	3.044	2.510	18.0	20.7	50 W	40*	19*
8 4	5 1.43	+37 44.2	2.921	2.481	19.5	20.7	55 W	46*	20*
8 14	5 20.77	+38 4.3	2.791	2.452	21.0	20.6	60 W	52*	21*
8 24	5 39.66	+38 16.7	2.653	2.421	22.4	20.5	66 W	58*	22*
9 3	5 57.92	+38 21.7	2.510	2.390	23.6	20.4	72 W	64*	23*
9 13	6 15.29	+38 19.7	2.363	2.359	24.6	20.3	77 W	70*	24*
9 23	6 31.51	+38 11.2	2.212	2.327	25.4	20.1	84 W	76*	24*
10 3	6 46.26	+37 57.2	2.059	2.294	25.9	20.0	90 W	81*	25*
10 8	6 52.96	+37 48.2	1.982	2.277	26.0	19.9	94 W	83*	26*
10 13	6 59.14	+37 38.1	1.906	2.260	26.0	19.8	97 W	83	26*
10 18	7 4.74	+37 27.0	1.830	2.244	25.9	19.6	101 W	82	26*
10 23	7 9.71	+37 14.7	1.755	2.227	25.6	19.5	105 W	82	27*
10 28	7 13.96	+37 1.4	1.681	2.210	25.2	19.4	109 W	82	27
11 2	7 17.44	+36 47.0	1.608	2.193	24.7	19.3	113 W	82	27
11 7	7 20.04	+36 31.3	1.537	2.175	23.9	19.1	117 W	82	27
11 12	7 21.69	+36 14.2	1.468	2.158	23.0	19.0	122 W	81	28
11 17	7 22.31	+35 55.1	1.402	2.141	21.9	18.8	126 W	81	28
11 22	7 21.85	+35 33.7	1.338	2.123	20.5	18.7	131 W	81	28
11 27	7 20.22	+35 9.3	1.279	2.106	18.9	18.5	136 W	80	29
12 2	7 17.39	+34 41.1	1.223	2.089	17.0	18.3	142 W	80	29
12 7	7 13.35	+34 8.2	1.172	2.071	14.8	18.2	147 W	79	30
12 12	7 8.14	+33 29.5	1.126	2.054	12.4	18.0	153 W	78	31
12 17	7 1.89	+32 44.0	1.086	2.036	9.8	17.8	159 W	78	31
12 22	6 54.75	+31 51.1	1.052	2.019	7.1	17.6	165 W	77	32
12 27	6 46.95	+30 50.4	1.025	2.002	4.5	17.4	171 W	76	33
1 1	6 38.78	+29 42.0	1.005	1.984	3.4	17.2	173 E	75	34
1 6	6 30.58	+28 26.7	0.992	1.967	5.0	17.3	170 E	73	36
1 11	6 22.68	+27 5.8	0.986	1.950	7.9	17.4	164 E	72	37
1 16	6 15.39	+25 41.3	0.987	1.933	11.1	17.5	158 E	71	38
1 21	6 8.96	+24 15.2	0.994	1.917	14.2	17.6	151 E	69	40

462107 2007 *RH*$_{11}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	22 55.75	− 8 1.6	1.805	1.680	32.5	20.6	67 E	37*	47*
1 6	23 14.94	− 3 42.0	1.922	1.709	30.7	20.7	63 E	40*	40*
1 16	23 34.03	+ 0 24.0	2.040	1.741	28.8	20.8	58 E	42*	33*
1 26	23 53.11	+ 4 17.5	2.157	1.773	26.8	20.9	54 E	42*	27*
2 5	0 12.26	+ 7 59.3	2.273	1.807	24.8	21.0	50 E	41*	22*
2 15	0 31.58	+11 30.3	2.385	1.842	22.7	21.1	46 E	38*	17*
2 25	0 51.12	+14 50.9	2.493	1.878	20.6	21.2	42 E	35*	13*
3 7	1 10.96	+18 1.5	2.596	1.914	18.6	21.2	38 E	32*	10*
3 17	1 31.17	+21 2.2	2.694	1.951	16.6	21.3	34 E	28*	6*
3 27	1 51.79	+23 52.9	2.785	1.988	14.7	21.3	30 E	24*	3*
4 6	2 12.87	+26 33.4	2.868	2.025	12.8	21.4	27 E	21*	1*
4 16	2 34.46	+29 3.4	2.944	2.062	11.1	21.4	23 E	17*	—
4 26	2 56.57	+31 22.5	3.012	2.099	9.7	21.4	20 E	14*	—
5 6	3 19.21	+33 30.3	3.071	2.136	8.5	21.5	18 E	11*	—

301936 2000 *AH*$_{97}$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 55.89	+25 8.7	1.517	1.686	35.3	18.7	82 E	70*	25*
1 6	23 16.90	+26 47.1	1.566	1.664	35.3	18.7	78 E	69*	21*
1 16	23 40.48	+28 34.3	1.613	1.646	35.1	18.8	74 E	67*	17*
1 26	0 6.56	+30 26.8	1.660	1.632	34.8	18.8	71 E	65*	14*
2 5	0 35.07	+32 19.4	1.706	1.622	34.3	18.8	68 E	62*	12*
2 15	1 5.91	+34 6.3	1.754	1.616	33.8	18.9	65 E	59*	10*
2 25	1 38.90	+35 41.8	1.805	1.614	33.1	18.9	63 E	57*	10*
3 7	2 13.73	+36 59.6	1.861	1.617	32.2	19.0	60 E	54*	9*
3 12	2 31.71	+37 30.1	1.890	1.620	31.7	19.0	59 E	53*	10*
3 17	2 49.96	+37 54.3	1.921	1.624	31.2	19.0	58 E	52*	10*
3 22	3 8.42	+38 11.8	1.953	1.630	30.6	19.0	56 E	50*	10*
3 27	3 26.99	+38 22.3	1.986	1.636	30.0	19.1	55 E	49*	11*
4 1	3 45.58	+38 25.4	2.021	1.643	29.4	19.1	54 E	48*	11*
4 6	4 4.11	+38 21.1	2.057	1.652	28.7	19.1	53 E	46*	12*
4 11	4 22.50	+38 9.5	2.094	1.661	28.0	19.2	51 E	45*	12*
4 16	4 40.67	+37 50.8	2.133	1.671	27.3	19.2	50 E	43*	13*
4 21	4 58.55	+37 25.3	2.173	1.682	26.5	19.2	48 E	42*	14*
4 26	5 16.07	+36 53.2	2.215	1.694	25.7	19.2	47 E	40*	14*
5 1	5 33.20	+36 15.0	2.257	1.707	24.8	19.3	45 E	38*	15*
5 6	5 49.88	+35 31.1	2.300	1.721	24.0	19.3	44 E	36*	16*
5 11	6 6.11	+34 42.0	2.344	1.735	23.1	19.3	42 E	34*	16*
5 16	6 21.86	+33 48.3	2.388	1.750	22.1	19.4	41 E	31*	17*
5 21	6 37.13	+32 50.4	2.433	1.766	21.2	19.4	39 E	29*	17*
5 26	6 51.91	+31 48.7	2.478	1.783	20.2	19.4	37 E	27*	17*
5 31	7 6.21	+30 43.7	2.524	1.800	19.2	19.5	36 E	24*	18*
6 5	7 20.04	+29 35.7	2.569	1.817	18.1	19.5	34 E	22*	18*
6 15	7 46.38	+27 12.7	2.659	1.854	16.0	19.5	30 E	17*	17*
6 25	8 11.06	+24 42.2	2.747	1.893	13.9	19.6	27 E	12*	16*
7 5	8 34.24	+22 6.3	2.831	1.933	11.7	19.6	23 E	8*	14*
7 15	8 56.10	+19 26.7	2.910	1.974	9.5	19.6	19 E	4*	11*
7 25	9 16.79	+16 44.6	2.984	2.017	7.2	19.6	14 E	1*	8*
8 4	9 36.44	+14 1.2	3.050	2.060	5.0	19.6	10 E	—	4*
8 14	9 55.18	+11 16.9	3.108	2.104	2.9	19.6	6 E	—	—
8 24	10 13.10	+ 8 32.6	3.157	2.148	1.3	19.5	3 E	—	—
9 3	10 30.30	+ 5 48.6	3.196	2.193	2.2	19.7	5 W	—	—
9 13	10 46.83	+ 3 5.2	3.225	2.237	4.1	19.9	9 W	—	3*
9 23	11 2.75	+ 0 22.8	3.241	2.282	6.2	20.0	14 W	4*	7*
10 3	11 18.08	− 2 18.5	3.246	2.327	8.2	20.2	19 W	9*	11*
10 13	11 32.84	− 4 58.5	3.239	2.371	10.2	20.3	25 W	13*	15*
10 23	11 47.02	− 7 36.9	3.220	2.415	12.1	20.4	30 W	17*	20*
11 2	12 0.60	−10 13.9	3.188	2.459	13.8	20.5	36 W	21*	25*
11 12	12 13.51	−12 49.1	3.144	2.502	15.5	20.5	42 W	23*	30*
11 22	12 25.68	−15 22.6	3.088	2.545	16.9	20.6	49 W	25*	36*
12 2	12 37.00	−17 54.3	3.022	2.588	18.2	20.6	55 W	25*	43*
12 12	12 47.31	−20 24.1	2.946	2.630	19.3	20.6	62 W	24*	51*
12 22	12 56.42	−22 51.7	2.862	2.671	20.1	20.6	69 W	22	59*
1 1	13 4.11	−25 16.9	2.772	2.711	20.6	20.6	76 W	20	68*
1 11	13 10.08	−27 38.9	2.677	2.751	20.8	20.6	84 W	17	77*
1 21	13 14.01	−29 56.4	2.581	2.790	20.6	20.5	92 W	15	85*

7977 1977 *QQ*$_5$

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 56.14	−30 1.1	1.313	1.189	46.0	17.8	60 E	15*	53*
1 1	23 16.28	−28 34.9	1.317	1.192	45.8	17.8	60 E	16*	53*
1 6	23 36.24	−26 56.9	1.323	1.197	45.6	17.8	60 E	18*	53*
1 11	23 55.95	−25 7.8	1.331	1.205	45.3	17.9	61 E	19*	52*
1 16	0 15.38	−23 9.0	1.341	1.215	44.9	17.9	61 E	21*	52*
1 21	0 34.47	−21 1.8	1.353	1.227	44.5	17.9	61 E	23*	51*
1 26	0 53.21	−18 47.6	1.368	1.241	44.0	17.9	61 E	25*	51*
1 31	1 11.57	−16 28.3	1.386	1.257	43.4	18.0	61 E	27*	50*
2 5	1 29.55	−14 5.4	1.407	1.274	42.8	18.0	61 E	29*	50*
2 10	1 47.18	−11 40.7	1.432	1.294	42.1	18.1	61 E	30*	49*
2 15	2 4.46	− 9 15.7	1.460	1.315	41.3	18.1	61 E	32*	48*
2 20	2 21.39	− 6 52.2	1.492	1.337	40.4	18.2	61 E	33*	47*
2 25	2 38.01	− 4 31.6	1.528	1.361	39.5	18.3	61 E	35*	46*
3 2	2 54.31	− 2 15.1	1.567	1.386	38.6	18.3	61 E	36*	45*

7977 1977 QQ_5 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 7	3 10.32	− 0 3.8	1.610	1.412	37.6	18.4	60 E	36*	44*
3 12	3 26.06	+ 2 1.4	1.656	1.438	36.6	18.5	60 E	37*	43*
3 17	3 41.54	+ 3 59.9	1.705	1.466	35.6	18.5	59 E	37*	42*
3 27	4 11.77	+ 7 34.9	1.812	1.522	33.4	18.7	57 E	37*	40*
4 6	4 41.07	+10 38.9	1.927	1.581	31.2	18.9	55 E	35*	38*
4 16	5 9.50	+13 12.1	2.050	1.641	28.9	19.0	52 E	33*	36*
4 26	5 37.08	+15 15.6	2.178	1.701	26.6	19.1	49 E	30*	34*
5 6	6 3.81	+16 51.7	2.308	1.762	24.3	19.3	46 E	27*	32*
5 16	6 29.70	+18 2.8	2.439	1.822	21.9	19.4	42 E	23*	29*
5 26	6 54.75	+18 51.6	2.567	1.882	19.6	19.5	38 E	19*	27*
6 5	7 18.94	+19 20.8	2.692	1.942	17.2	19.6	34 E	15*	24*
6 15	7 42.30	+19 32.9	2.812	2.001	14.8	19.7	30 E	11*	21*
6 25	8 4.84	+19 30.3	2.925	2.059	12.4	19.7	26 E	8*	18*
7 5	8 26.57	+19 15.3	3.030	2.115	10.1	19.8	21 E	5*	14*
7 15	8 47.53	+18 49.9	3.124	2.171	7.8	19.8	17 E	2*	10*
7 25	9 7.75	+18 15.9	3.209	2.225	5.5	19.8	12 E	1*	5*
8 4	9 27.25	+17 35.2	3.281	2.279	3.3	19.8	7 E	—	1*
8 14	9 46.09	+16 49.4	3.340	2.330	1.6	19.8	4 E	—	—
8 24	10 4.27	+16 0.0	3.386	2.381	2.2	19.9	5 W	—	—
9 3	10 21.84	+15 8.5	3.418	2.430	4.1	20.1	10 W	4*	—
9 13	10 38.82	+14 16.3	3.434	2.477	6.1	20.2	15 W	9*	—
9 23	10 55.20	+13 24.8	3.436	2.523	8.1	20.4	21 W	15*	2*
10 3	11 11.01	+12 35.4	3.423	2.568	10.1	20.5	27 W	21*	5*
10 13	11 26.22	+11 49.6	3.394	2.611	11.9	20.6	33 W	26*	9*
10 23	11 40.81	+11 8.8	3.350	2.653	13.7	20.6	39 W	32*	12*
11 2	11 54.75	+10 34.5	3.292	2.694	15.3	20.7	46 W	38*	16*
11 12	12 7.96	+10 8.5	3.220	2.733	16.7	20.7	52 W	44*	21*
11 22	12 20.35	+ 9 52.4	3.137	2.770	17.9	20.7	60 W	49*	25*
12 2	12 31.81	+ 9 47.9	3.042	2.806	18.9	20.7	67 W	52*	31*
12 12	12 42.20	+ 9 56.9	2.939	2.841	19.5	20.7	75 W	55*	36*
12 22	12 51.33	+10 21.3	2.830	2.874	19.8	20.6	83 W	55	42*
1 1	12 58.99	+11 2.5	2.717	2.906	19.8	20.6	91 W	56	47*
1 11	13 4.93	+12 2.1	2.604	2.936	19.3	20.5	100 W	57	50*
1 21	13 8.90	+13 20.5	2.496	2.965	18.3	20.4	109 W	58	51*

370651 2004 BX_{102}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 56.93	+ 4 47.5	1.506	1.527	37.8	19.5	72 E	49*	39*
1 6	23 16.16	+ 7 58.1	1.544	1.488	37.8	19.5	68 E	51*	33*
1 16	23 37.44	+11 17.1	1.578	1.453	37.6	19.5	64 E	52*	28*
1 26	0 0.81	+14 42.6	1.607	1.422	37.3	19.5	61 E	52*	23*
2 5	0 26.35	+18 11.2	1.633	1.396	37.0	19.5	58 E	51*	19*
2 15	0 54.25	+21 38.8	1.657	1.376	36.5	19.5	56 E	49*	16*
2 25	1 24.68	+24 59.9	1.680	1.362	36.1	19.5	54 E	48*	14*
3 7	1 57.76	+28 7.1	1.705	1.354	35.6	19.5	53 E	46*	13*
3 17	2 33.54	+30 52.4	1.733	1.353	35.0	19.5	51 E	45*	12*
3 22	2 52.39	+32 4.3	1.748	1.355	34.6	19.5	51 E	44*	12*
3 27	3 11.82	+33 7.5	1.765	1.358	34.2	19.5	50 E	44*	12*
4 1	3 31.76	+34 1.1	1.784	1.363	33.8	19.5	49 E	43*	12*
4 6	3 52.10	+34 44.3	1.804	1.370	33.3	19.6	49 E	43*	13*
4 11	4 12.76	+35 16.5	1.826	1.379	32.8	19.6	48 E	42*	13*
4 16	4 33.61	+35 37.3	1.850	1.388	32.3	19.6	48 E	41*	14*
4 21	4 54.50	+35 46.6	1.876	1.400	31.7	19.6	47 E	40*	14*
4 26	5 15.30	+35 44.2	1.904	1.412	31.1	19.7	46 E	39*	15*
5 1	5 35.87	+35 30.5	1.934	1.426	30.4	19.7	46 E	38*	16*
5 6	5 56.10	+35 6.1	1.966	1.441	29.7	19.8	45 E	37*	17*
5 11	6 15.90	+34 31.6	2.000	1.458	28.9	19.8	44 E	35*	18*
5 16	6 35.17	+33 47.8	2.036	1.475	28.1	19.8	43 E	34*	18*
5 21	6 53.86	+32 55.7	2.073	1.493	27.3	19.9	43 E	32*	19*
5 26	7 11.91	+31 56.1	2.113	1.513	26.4	19.9	42 E	30*	20*
5 31	7 29.31	+30 49.9	2.153	1.533	25.5	20.0	41 E	28*	21*
6 5	7 46.05	+29 38.3	2.196	1.554	24.6	20.0	40 E	26*	21*
6 10	8 2.16	+28 21.9	2.239	1.576	23.6	20.0	38 E	24*	22*
6 15	8 17.63	+27 1.5	2.284	1.598	22.6	20.1	37 E	22*	22*
6 20	8 32.51	+25 38.0	2.329	1.621	21.6	20.1	36 E	20*	22*
6 25	8 46.80	+24 12.0	2.375	1.644	20.6	20.2	35 E	18*	22*
6 30	9 0.56	+22 44.1	2.421	1.668	19.6	20.2	33 E	16*	22*
7 5	9 13.81	+21 14.7	2.468	1.692	18.5	20.3	32 E	14*	22*
7 15	9 38.96	+18 13.2	2.562	1.741	16.3	20.3	29 E	11*	20*
7 25	10 2.51	+15 10.5	2.654	1.792	14.1	20.4	26 E	7*	18*
8 4	10 24.70	+12 8.4	2.743	1.842	11.9	20.4	22 E	5*	15*
8 14	10 45.77	+ 9 8.4	2.828	1.894	9.7	20.5	18 E	2*	12*
8 24	11 5.88	+ 6 11.6	2.908	1.945	7.4	20.5	14 E	—	8*
9 3	11 25.19	+ 3 18.5	2.980	1.996	5.2	20.5	10 E	—	4*
9 13	11 43.84	+ 0 29.7	3.045	2.047	3.0	20.5	6 E	—	—
9 23	12 1.92	− 2 14.5	3.099	2.097	1.1	20.4	2 E	—	—
10 3	12 19.51	− 4 53.9	3.144	2.147	1.9	20.6	4 W	—	—
10 13	12 36.67	− 7 28.3	3.176	2.196	4.0	20.8	9 W	—	2*
10 23	12 53.44	− 9 57.5	3.197	2.244	6.1	21.0	14 W	5*	6*
11 2	13 9.83	−12 21.6	3.205	2.291	8.2	21.1	19 W	9*	10*
11 12	13 25.85	−14 40.4	3.200	2.338	10.2	21.2	25 W	12*	15*

370651 2004 BX_{102} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 22	13 41.45	−16 53.9	3.181	2.383	12.1	21.3	30 W	15*	20*
12 2	13 56.61	−19 2.3	3.149	2.427	14.0	21.4	36 W	18*	26*
12 12	14 11.23	−21 5.8	3.103	2.471	15.7	21.5	43 W	19*	32*

168889 2000 WM_{95}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 57.30	− 2 57.0	1.717	1.645	33.9	20.0	69 E	42*	44*
1 6	23 21.55	− 0 38.6	1.803	1.655	32.7	20.1	65 E	43*	39*
1 16	23 45.99	+ 1 44.1	1.891	1.667	31.3	20.1	62 E	44*	35*
1 26	0 10.55	+ 4 8.7	1.979	1.682	29.8	20.2	58 E	44*	31*
2 5	0 35.21	+ 6 32.6	2.069	1.700	28.2	20.3	55 E	43*	28*
2 15	0 59.96	+ 8 53.5	2.160	1.720	26.5	20.3	51 E	41*	25*
2 25	1 24.82	+11 9.3	2.251	1.742	24.8	20.4	47 E	38*	22*
3 7	1 49.77	+13 17.7	2.341	1.766	22.9	20.5	44 E	35*	20*
3 17	2 14.81	+15 17.3	2.431	1.792	21.1	20.5	40 E	32*	18*
3 27	2 39.94	+17 6.2	2.519	1.819	19.1	20.6	37 E	28*	17*
4 6	3 5.12	+18 43.2	2.605	1.847	17.2	20.6	33 E	25*	15*
4 16	3 30.32	+20 7.2	2.687	1.877	15.2	20.7	29 E	21*	13*
4 26	3 55.48	+21 17.5	2.766	1.908	13.1	20.7	26 E	17*	11*
5 6	4 20.52	+22 13.4	2.840	1.939	11.1	20.7	22 E	12*	10*
5 16	4 45.39	+22 54.9	2.909	1.971	9.0	20.7	18 E	8*	7*
5 26	5 9.99	+23 21.9	2.972	2.004	7.0	20.7	14 E	4*	5*
6 5	5 34.22	+23 34.8	3.029	2.036	4.9	20.7	10 E	1*	2*
6 15	5 58.02	+23 33.9	3.078	2.069	2.8	20.6	6 E	—	—
6 25	6 21.28	+23 20.0	3.118	2.102	0.7	20.5	2 E	—	—
7 5	6 43.95	+22 54.0	3.150	2.135	1.3	20.6	3 W	—	—
7 15	7 5.96	+22 16.9	3.173	2.168	3.4	20.8	7 W	—	—
7 25	7 27.26	+21 29.8	3.185	2.201	5.4	21.0	12 W	3*	4*
8 4	7 47.80	+20 33.7	3.187	2.233	7.4	21.1	16 W	7*	7*
8 14	8 7.57	+19 30.0	3.179	2.265	9.3	21.2	21 W	12*	10*
8 24	8 26.52	+18 19.8	3.159	2.296	11.2	21.3	26 W	17*	13*
9 3	8 44.64	+17 4.4	3.127	2.327	13.1	21.4	31 W	22*	16*
9 13	9 1.89	+15 44.9	3.085	2.357	14.8	21.4	37 W	27*	19*
9 23	9 18.24	+14 22.8	3.030	2.387	16.5	21.5	42 W	32*	22*

479127 2013 BA_{27}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 57.48	−21 1.5	2.034	1.811	28.9	21.4	63 E	24*	52*
1 6	23 18.70	−19 53.4	2.087	1.777	28.0	21.4	58 E	24*	47*
1 16	23 40.98	−18 29.9	2.134	1.745	27.1	21.4	54 E	24*	43*
1 26	0 4.16	−16 52.5	2.175	1.717	26.1	21.3	50 E	24*	39*
2 5	0 28.15	−15 3.2	2.210	1.691	25.1	21.3	47 E	23*	36*
2 15	0 52.88	−13 3.7	2.240	1.669	24.1	21.3	44 E	21*	34*
2 25	1 18.29	−10 56.1	2.267	1.651	23.1	21.3	41 E	19*	32*
3 7	1 44.31	− 8 42.9	2.292	1.637	22.2	21.2	38 E	17*	30*
3 17	2 10.93	− 6 26.6	2.317	1.626	21.3	21.2	36 E	15*	29*
3 27	2 38.08	− 4 10.3	2.342	1.620	20.4	21.2	34 E	13*	27*
4 6	3 5.71	− 1 56.8	2.369	1.618	19.5	21.2	33 E	10*	26*
4 16	3 33.74	+ 0 10.7	2.399	1.621	18.5	21.2	31 E	7*	24*
4 26	4 2.07	+ 2 9.3	2.432	1.628	17.5	21.2	29 E	4*	23*
5 6	4 30.58	+ 3 56.4	2.469	1.639	16.4	21.2	27 E	1*	21*
5 16	4 59.13	+ 5 29.8	2.510	1.655	15.2	21.2	25 E	—	19*
5 26	5 27.58	+ 6 47.9	2.554	1.674	13.9	21.3	23 E	—	17*
6 5	5 55.76	+ 7 49.7	2.602	1.697	12.5	21.3	21 E	—	14*
6 15	6 23.54	+ 8 35.0	2.651	1.723	11.1	21.3	19 E	—	12*
6 25	6 50.78	+ 9 3.9	2.701	1.752	9.6	21.3	17 E	—	8*
7 5	7 17.35	+ 9 17.5	2.750	1.784	8.2	21.3	14 E	—	5*
7 15	7 43.19	+ 9 16.8	2.798	1.818	6.9	21.3	12 E	—	1*
7 25	8 8.22	+ 9 3.5	2.842	1.855	5.9	21.4	11 W	—	1*
8 4	8 32.40	+ 8 39.2	2.882	1.893	5.6	21.4	10 W	—	3*

109346 2001 QK_{150}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 57.53	−13 41.1	1.700	1.565	34.8	19.4	65 E	31*	50*
1 6	23 23.10	−10 46.4	1.760	1.560	33.8	19.4	62 E	33*	45*
1 16	23 48.90	− 7 42.8	1.822	1.558	32.7	19.4	59 E	35*	40*
1 26	0 14.88	− 4 33.6	1.885	1.562	31.4	19.5	56 E	36*	36*
2 5	0 41.00	− 1 22.5	1.952	1.569	30.1	19.5	53 E	36*	33*
2 15	1 7.27	+ 1 46.9	2.021	1.581	28.6	19.6	50 E	36*	30*
2 25	1 33.68	+ 4 51.4	2.093	1.598	27.1	19.6	47 E	35*	28*
3 7	2 0.24	+ 7 47.5	2.168	1.617	25.5	19.7	45 E	33*	25*
3 17	2 26.97	+10 32.4	2.245	1.641	23.8	19.7	42 E	31*	23*
3 27	2 53.84	+13 3.8	2.324	1.668	22.0	19.8	39 E	28*	22*
4 6	3 20.81	+15 19.6	2.405	1.697	20.2	19.9	36 E	25*	20*
4 16	3 47.84	+17 18.2	2.486	1.730	18.3	19.9	33 E	22*	18*
4 26	4 14.86	+18 58.7	2.568	1.764	16.4	20.0	30 E	18*	17*
5 6	4 41.76	+20 20.5	2.648	1.801	14.4	20.0	26 E	15*	15*
5 16	5 8.45	+21 23.6	2.727	1.839	12.4	20.0	23 E	11*	13*
5 26	5 34.81	+22 8.4	2.803	1.879	10.4	20.1	20 E	8*	10*
6 5	6 0.72	+22 35.5	2.875	1.919	8.3	20.1	16 E	4*	8*
6 15	6 26.09	+22 46.0	2.942	1.961	6.3	20.1	12 E	1*	5*
6 25	6 50.81	+22 41.2	3.004	2.003	4.2	20.1	8 E	—	2*
7 5	7 14.80	+22 22.6	3.058	2.046	2.2	20.0	4 E	—	—
7 15	7 38.03	+21 51.7	3.106	2.089	0.2	19.9	0 E	—	—
7 25	8 0.44	+21 10.2	3.144	2.132	2.0	20.2	4 W	—	—

109346 2001 QK_{150} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 4	8 22.01	+20 19.7	3.173	2.175	4.0	20.4	9 W	2*	—
8 14	8 42.73	+19 21.9	3.192	2.218	6.0	20.5	13 W	6*	3*
8 24	9 2.59	+18 18.3	3.201	2.261	8.0	20.7	18 W	11*	6*
9 3	9 21.60	+17 10.7	3.198	2.304	9.9	20.8	23 W	16*	8*
9 13	9 39.75	+16 0.3	3.183	2.346	11.7	20.9	28 W	21*	11*
9 23	9 57.04	+14 49.0	3.156	2.387	13.5	21.0	34 W	26*	14*
10 3	10 13.45	+13 38.0	3.117	2.428	15.2	21.0	39 W	31*	17*
10 13	10 28.96	+12 28.9	3.066	2.468	16.7	21.1	45 W	37*	20*
10 23	10 43.51	+11 23.3	3.003	2.508	18.1	21.1	52 W	42*	24*
11 2	10 57.06	+10 22.8	2.929	2.547	19.3	21.1	58 W	46*	28*
11 12	11 9.48	+ 9 28.9	2.845	2.585	20.3	21.1	65 W	50*	33*
11 22	11 20.67	+ 8 43.4	2.752	2.623	21.0	21.1	72 W	53*	38*
12 2	11 30.47	+ 8 8.1	2.651	2.659	21.4	21.1	80 W	53*	43*
12 12	11 38.68	+ 7 44.9	2.546	2.695	21.4	21.0	88 W	53	48*
12 22	11 45.08	+ 7 35.4	2.438	2.730	21.0	20.9	96 W	53	53*
1 1	11 49.44	+ 7 41.3	2.332	2.764	20.0	20.8	106 W	53	56*
1 11	11 51.49	+ 8 3.8	2.230	2.797	18.5	20.7	115 W	53	56
1 21	11 51.07	+ 8 43.1	2.139	2.829	16.4	20.6	126 W	54	55

474129 1995 SM_{30}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 57.58	+32 28.0	1.275	1.554	39.1	20.6	86 E	77*	20*
1 6	23 15.59	+34 33.4	1.311	1.524	39.7	20.7	82 E	75*	15*
1 16	23 37.56	+36 52.8	1.341	1.500	40.0	20.7	79 E	73*	11*
1 26	0 3.72	+39 21.4	1.367	1.480	40.2	20.7	76 E	69*	7*
2 5	0 34.40	+41 51.7	1.391	1.466	40.3	20.7	74 E	66*	5*
2 15	1 9.98	+44 13.4	1.414	1.458	40.2	20.8	72 E	64*	4*
2 25	1 50.58	+46 13.9	1.440	1.456	40.0	20.8	71 E	62*	4*
3 7	2 35.74	+47 38.1	1.471	1.460	39.6	20.8	70 E	61*	5*
3 17	3 24.21	+48 12.6	1.509	1.470	39.0	20.9	68 E	61*	6*
3 27	4 13.89	+47 49.2	1.557	1.485	38.2	21.0	67 E	60*	9*
4 6	5 2.36	+46 27.2	1.615	1.507	37.2	21.0	65 E	59*	12*
4 16	5 47.74	+44 13.7	1.685	1.533	35.9	21.1	64 E	58*	15*
4 26	6 28.99	+41 20.8	1.767	1.563	34.5	21.2	62 E	55*	18*
5 6	7 5.91	+38 1.2	1.858	1.598	32.9	21.3	59 E	50*	22*
5 16	7 38.86	+34 26.1	1.959	1.637	31.0	21.5	57 E	45*	25*

102935 1999 XK_{43}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	22 57.69	− 8 35.7	1.935	1.795	30.3	19.3	67 E	36*	47*
1 6	23 19.68	− 5 56.9	2.057	1.830	28.6	19.4	63 E	38*	42*
1 16	23 41.26	− 3 19.2	2.180	1.867	26.7	19.6	59 E	39*	36*
1 26	0 2.47	− 0 43.8	2.303	1.904	24.8	19.7	54 E	38*	32*
2 5	0 23.37	+ 1 47.8	2.424	1.943	22.9	19.8	50 E	37*	28*
2 15	0 44.04	+ 4 14.8	2.544	1.982	20.8	19.8	46 E	35*	24*
2 25	1 4.51	+ 6 36.3	2.660	2.021	18.8	19.9	41 E	31*	21*
3 7	1 24.82	+ 8 51.3	2.771	2.061	16.7	20.0	37 E	28*	17*
3 17	1 45.02	+10 59.2	2.877	2.100	14.5	20.0	32 E	24*	14*
3 27	2 5.14	+12 59.4	2.976	2.140	12.4	20.1	27 E	19*	12*
4 6	2 25.19	+14 51.3	3.068	2.179	10.2	20.1	23 E	15*	9*
4 16	2 45.18	+16 34.5	3.151	2.218	8.0	20.1	18 E	10*	6*
4 26	3 5.11	+18 8.6	3.225	2.257	5.9	20.1	13 E	6*	3*
5 6	3 24.96	+19 33.3	3.288	2.295	3.7	20.0	8 E	2*	—
5 16	3 44.70	+20 48.5	3.341	2.333	1.6	20.0	4 E	—	—
5 26	4 4.31	+21 54.2	3.382	2.370	0.7	19.9	2 W	—	—
6 5	4 23.73	+22 50.3	3.412	2.407	2.7	20.2	6 W	—	—
6 15	4 42.91	+23 37.1	3.429	2.442	4.8	20.3	12 W	1*	4*
6 25	5 1.78	+24 14.9	3.434	2.477	6.8	20.5	17 W	5*	8*
7 5	5 20.27	+24 44.0	3.426	2.512	8.7	20.6	22 W	10*	12*
7 15	5 38.31	+25 5.0	3.404	2.545	10.6	20.7	27 W	15*	15*
7 25	5 55.80	+25 18.7	3.370	2.578	12.4	20.7	33 W	20*	18*
8 4	6 12.66	+25 25.8	3.323	2.610	14.1	20.8	39 W	27*	21*
8 14	6 28.78	+25 27.2	3.263	2.641	15.7	20.8	45 W	33*	24*
8 24	6 44.04	+25 24.2	3.191	2.671	17.1	20.9	51 W	40*	26*
9 3	6 58.32	+25 17.8	3.108	2.700	18.3	20.9	57 W	46*	28*
9 13	7 11.49	+25 9.6	3.014	2.728	19.4	20.9	64 W	53*	30*
9 23	7 23.35	+25 1.0	2.912	2.755	20.2	20.8	71 W	59*	32*
10 3	7 33.75	+24 53.6	2.801	2.781	20.6	20.8	79 W	65*	34*
10 13	7 42.45	+24 49.2	2.686	2.807	20.8	20.7	86 W	69*	36*
10 23	7 49.20	+24 49.4	2.568	2.831	20.5	20.6	95 W	70	38*
11 2	7 53.72	+24 55.8	2.450	2.854	19.7	20.5	104 W	70	39*
11 12	7 55.72	+25 9.6	2.336	2.877	18.4	20.4	113 W	70	39
11 22	7 54.95	+25 31.3	2.231	2.898	16.5	20.2	124 W	71	38
12 2	7 51.26	+26 0.2	2.140	2.918	13.9	20.1	135 W	71	38
12 12	7 44.67	+26 34.1	2.068	2.938	10.8	19.9	146 W	72	37
12 22	7 35.55	+27 9.5	2.020	2.956	7.1	19.7	158 W	72	37
12 27	7 30.25	+27 26.3	2.007	2.965	5.2	19.6	164 W	72	37
1 1	7 24.61	+27 41.9	2.001	2.973	3.4	19.5	170 W	73	36
1 6	7 18.78	+27 55.6	2.002	2.982	2.0	19.4	174 W	73	36
1 11	7 12.92	+28 7.2	2.012	2.990	2.3	19.5	173 E	73	36
1 16	7 7.17	+28 16.3	2.029	2.998	3.9	19.6	168 E	73	36
1 21	7 1.69	+28 23.0	2.054	3.005	5.8	19.7	162 E	73	36

5143 Heracles

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	23 0.24	+ 1 11.7	3.341	3.168	17.1	20.0	71 E	46*	42*
1 6	23 7.22	+ 1 40.8	3.468	3.148	16.2	20.1	63 E	45*	35*
1 16	23 15.26	+ 2 19.2	3.583	3.126	15.0	20.1	55 E	42*	28*
1 26	23 24.17	+ 3 5.6	3.683	3.101	13.5	20.1	47 E	37*	22*
2 5	23 33.82	+ 3 59.2	3.765	3.075	11.9	20.0	40 E	32*	16*
2 15	23 44.09	+ 4 58.9	3.830	3.045	10.1	20.0	33 E	26*	11*
2 25	23 54.88	+ 6 4.1	3.875	3.013	8.2	19.9	26 E	19*	6*
3 7	0 6.12	+ 7 13.7	3.901	2.979	6.2	19.8	19 E	13*	1*
3 17	0 17.75	+ 8 27.2	3.905	2.943	4.2	19.7	13 E	7*	—
3 27	0 29.73	+ 9 44.0	3.890	2.903	2.6	19.5	7 E	—	—
4 6	0 42.01	+11 3.3	3.854	2.861	2.2	19.5	6 W	—	—
4 16	0 54.57	+12 24.7	3.798	2.817	3.7	19.5	10 W	3*	2*
4 26	1 7.40	+13 47.8	3.722	2.769	5.8	19.5	16 W	5*	8*
5 6	1 20.49	+15 12.0	3.628	2.719	8.0	19.5	22 W	8*	14*
5 16	1 33.83	+16 37.1	3.517	2.666	10.2	19.5	28 W	11*	19*
5 26	1 47.43	+18 2.7	3.389	2.610	12.5	19.5	34 W	15*	24*
6 5	2 1.29	+19 28.5	3.247	2.551	14.7	19.4	40 W	19*	28*
6 15	2 15.44	+20 54.5	3.090	2.488	17.0	19.3	46 W	24*	32*
6 25	2 29.87	+22 20.3	2.922	2.423	19.2	19.2	51 W	29*	34*
7 5	2 44.63	+23 46.1	2.742	2.353	21.3	19.1	57 W	36*	36*
7 15	2 59.76	+25 12.0	2.554	2.280	23.4	18.9	63 W	42*	36*
7 25	3 15.30	+26 38.0	2.359	2.204	25.4	18.7	69 W	49*	36*
8 4	3 31.34	+28 4.8	2.158	2.123	27.4	18.5	74 W	56*	35*
8 14	3 47.99	+29 32.9	1.953	2.038	29.3	18.3	80 W	63*	34*
8 24	4 5.43	+31 3.2	1.746	1.948	31.2	18.0	85 W	70*	33
9 3	4 23.99	+32 37.3	1.540	1.853	33.0	17.7	91 W	75*	31
9 8	4 33.82	+33 26.4	1.438	1.804	33.9	17.5	93 W	77*	31
9 13	4 44.15	+34 17.2	1.336	1.754	34.8	17.3	96 W	79*	30
9 18	4 55.09	+35 10.0	1.235	1.702	35.8	17.1	98 W	80	29
9 23	5 6.83	+36 5.3	1.136	1.648	36.8	16.9	101 W	81	28
9 28	5 19.62	+37 3.5	1.038	1.593	37.8	16.6	103 W	82	27
10 3	5 33.80	+38 4.9	0.942	1.537	39.1	16.4	105 W	83	26
10 8	5 49.85	+39 9.7	0.849	1.479	40.5	16.1	106 W	84	25
10 13	6 8.50	+40 17.2	0.758	1.419	42.2	15.8	107 W	85	24
10 15	6 16.92	+40 44.7	0.722	1.395	43.0	15.7	107 W	86	23
10 17	6 26.01	+41 12.2	0.687	1.370	43.9	15.6	107 W	86	23
10 19	6 35.88	+41 39.3	0.653	1.345	44.9	15.4	107 W	87	22
10 21	6 46.65	+42 5.6	0.619	1.320	46.1	15.3	107 W	87	22
10 23	6 58.47	+42 30.4	0.586	1.294	47.3	15.2	107 W	88	21
10 25	7 11.49	+42 52.8	0.554	1.268	48.7	15.1	106 W	88	21*
10 27	7 25.90	+43 11.5	0.523	1.242	50.4	14.9	106 W	88	21*
10 29	7 41.88	+43 24.8	0.493	1.216	52.2	14.8	105 W	88	20*
10 31	7 59.63	+43 30.2	0.464	1.189	54.3	14.7	103 W	89	20*
11 2	8 19.32	+43 24.6	0.437	1.162	56.8	14.6	102 W	88	20*
11 4	8 41.07	+43 4.1	0.411	1.135	59.6	14.5	99 W	88	19*
11 6	9 4.90	+42 23.6	0.387	1.107	62.8	14.4	97 W	87	19*
11 8	9 30.68	+41 17.6	0.365	1.079	66.4	14.3	94 W	86*	19*
11 10	9 58.10	+39 40.5	0.346	1.050	70.6	14.3	90 W	83*	19*
11 12	10 26.62	+37 27.4	0.331	1.022	75.2	14.3	86 W	79*	18*
11 13	10 41.08	+36 6.4	0.324	1.007	77.6	14.3	84 W	77*	18*
11 14	10 55.55	+34 35.8	0.318	0.993	80.2	14.3	81 W	75*	18*
11 15	11 9.93	+32 55.7	0.314	0.978	82.9	14.3	79 W	72*	18*
11 16	11 24.13	+31 6.7	0.310	0.963	85.6	14.4	76 W	69*	18*
11 17	11 38.06	+29 9.7	0.308	0.948	88.4	14.4	74 W	67*	17*
11 18	11 51.66	+27 5.7	0.306	0.934	91.2	14.5	71 W	64*	17*
11 19	12 4.85	+24 55.9	0.306	0.919	94.0	14.6	68 W	61*	17*
11 20	12 17.59	+22 41.8	0.307	0.904	96.8	14.7	65 W	58*	17*
11 21	12 29.85	+20 24.8	0.309	0.889	99.5	14.8	63 W	56*	17*
11 22	12 41.61	+18 6.6	0.313	0.874	102.1	14.9	60 W	53*	16*
11 23	12 52.84	+15 48.4	0.317	0.858	104.7	15.0	57 W	50*	16*
11 24	13 3.56	+13 31.7	0.323	0.843	107.1	15.2	55 W	47*	16*
11 25	13 13.77	+11 17.5	0.329	0.828	109.3	15.3	52 W	45*	16*
11 26	13 23.49	+ 9 6.7	0.337	0.813	111.4	15.4	50 W	42*	16*
11 27	13 32.74	+ 7 0.2	0.346	0.797	113.4	15.6	48 W	40*	16*
11 28	13 41.53	+ 4 58.4	0.356	0.782	115.1	15.7	46 W	38*	16*
11 29	13 49.90	+ 3 1.7	0.366	0.766	116.6	15.8	44 W	36*	16*
11 30	13 57.87	+ 1 10.4	0.378	0.751	118.0	16.0	42 W	34*	15*
12 1	14 5.46	− 0 35.6	0.390	0.735	119.2	16.1	41 W	32*	15*
12 2	14 12.72	− 2 16.1	0.403	0.720	120.1	16.2	39 W	30*	15*
12 4	14 26.32	− 5 21.6	0.431	0.689	121.5	16.3	37 W	27*	16*
12 6	14 38.87	− 8 7.4	0.463	0.659	122.0	16.4	35 W	25*	16*
12 8	14 50.59	−10 35.5	0.497	0.628	121.8	16.5	33 W	22*	16*
12 10	15 1.66	−12 47.8	0.533	0.598	120.9	16.4	31 W	20*	16*
12 12	15 12.26	−14 46.3	0.572	0.569	119.2	16.3	30 W	18*	16*
12 14	15 22.58	−16 32.7	0.614	0.542	116.7	16.2	29 W	17*	17*
12 16	15 32.76	−18 8.4	0.657	0.515	113.6	16.0	29 W	15*	17*
12 18	15 42.96	−19 34.5	0.704	0.491	109.7	15.8	28 W	14*	17*
12 20	15 53.32	−20 52.0	0.752	0.469	105.0	15.6	27 W	13*	17*
12 22	16 3.95	−22 1.4	0.802	0.450	99.7	15.4	27 W	11*	17*

5143 Heracles *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 24	16 14.96	−23 3.1	0.855	0.435	93.7	15.2	26 W	10*	17*
12 26	16 26.39	−23 57.3	0.908	0.424	87.2	15.0	26 W	9*	17*
12 28	16 38.25	−24 44.0	0.962	0.418	80.4	14.8	25 W	8*	17*
12 30	16 50.50	−25 23.1	1.016	0.418	73.5	14.7	24 W	7*	16*
1 1	17 3.05	−25 54.7	1.070	0.422	66.7	14.6	23 W	6*	16*
1 3	17 15.77	−26 18.9	1.123	0.432	60.3	14.6	22 W	5*	15*
1 5	17 28.54	−26 36.0	1.174	0.446	54.3	14.6	22 W	4*	15*
1 7	17 41.21	−26 46.5	1.224	0.464	48.9	14.6	21 W	4*	14*
1 9	17 53.68	−26 50.9	1.272	0.485	44.1	14.6	20 W	3*	14*
1 11	18 5.87	−26 49.9	1.318	0.509	39.9	14.7	19 W	2*	13*
1 13	18 17.71	−26 44.1	1.362	0.535	36.3	14.8	19 W	2*	12*
1 15	18 29.15	−26 34.3	1.404	0.562	33.2	14.9	18 W	1*	12*
1 17	18 40.19	−26 20.9	1.445	0.591	30.6	15.0	18 W	1*	12*
1 19	18 50.82	−26 4.5	1.485	0.621	28.3	15.1	17 W	1*	11*
1 21	19 1.03	−25 45.5	1.523	0.651	26.5	15.2	17 W	—	11*

185493 2007 PO_{42}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	23 1.71	− 5 25.5	1.698	1.630	34.3	20.2	69 E	39*	47*
1 6	23 26.01	− 3 7.7	1.779	1.635	33.1	20.3	65 E	41*	42*
1 16	23 50.54	− 0 44.1	1.862	1.644	31.8	20.4	62 E	42*	37*
1 26	0 15.23	+ 1 42.6	1.946	1.655	30.4	20.5	58 E	42*	33*
2 5	0 40.05	+ 4 9.8	2.030	1.668	28.9	20.5	55 E	41*	30*
2 15	1 5.00	+ 6 34.7	2.116	1.684	27.2	20.6	51 E	39*	27*
2 25	1 30.08	+ 8 55.2	2.201	1.703	25.5	20.6	48 E	37*	25*
3 7	1 55.28	+11 8.6	2.287	1.723	23.8	20.7	44 E	35*	23*
3 17	2 20.61	+13 13.3	2.371	1.746	21.9	20.7	41 E	31*	21*
3 27	2 46.06	+15 7.3	2.455	1.770	20.0	20.8	37 E	28*	19*
4 6	3 11.60	+16 49.0	2.537	1.796	18.1	20.8	34 E	24*	17*
4 16	3 37.18	+18 17.3	2.616	1.823	16.2	20.9	30 E	21*	16*
4 26	4 2.76	+19 31.4	2.693	1.852	14.2	20.9	27 E	17*	14*
5 6	4 28.25	+20 30.4	2.766	1.881	12.2	20.9	23 E	13*	12*
5 16	4 53.58	+21 14.3	2.834	1.911	10.2	20.9	20 E	9*	10*
5 26	5 18.66	+21 42.9	2.897	1.942	8.2	20.9	16 E	5*	8*
6 5	5 43.39	+21 56.6	2.955	1.974	6.1	20.9	12 E	1*	5*
6 15	6 7.69	+21 55.9	3.006	2.005	4.1	20.9	8 E	—	2*
6 25	6 31.46	+21 41.5	3.049	2.037	2.1	20.8	4 E	—	—
7 5	6 54.65	+21 14.5	3.085	2.069	0.8	20.8	2 W	—	—
7 15	7 17.19	+20 35.8	3.112	2.101	2.3	20.9	5 W	—	—
7 25	7 39.03	+19 46.6	3.130	2.133	4.2	21.1	9 W	—	2*
8 4	8 0.13	+18 48.1	3.139	2.165	6.2	21.2	13 W	4*	5*
8 14	8 20.48	+17 41.7	3.137	2.196	8.2	21.4	18 W	8*	8*
8 24	8 40.05	+16 28.6	3.125	2.227	10.1	21.5	23 W	13*	11*

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20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	23 1.76	−10 31.2	1.683	1.586	34.8	21.0	67 E	34*	49*
1 1	23 14.99	−10 15.3	1.749	1.608	33.7	21.1	65 E	34*	47*
1 6	23 27.87	− 9 55.1	1.816	1.630	32.6	21.1	63 E	34*	45*
1 11	23 40.43	− 9 31.2	1.882	1.652	31.5	21.2	61 E	34*	44*
1 16	23 52.72	− 9 4.2	1.947	1.673	30.3	21.3	59 E	34*	42*
1 21	0 4.75	− 8 34.5	2.012	1.694	29.2	21.3	57 E	33*	40*
1 26	0 16.55	− 8 2.6	2.076	1.715	28.1	21.4	55 E	33*	38*
1 31	0 28.15	− 7 29.1	2.138	1.735	27.0	21.5	53 E	32*	37*

4179 Toutatis

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	23 1.91	− 6 51.7	0.664	0.965	71.6	17.0	69 E	38*	47*
1 1	23 26.85	− 4 13.8	0.645	0.977	71.3	16.9	70 E	41*	47*
1 6	23 52.91	− 1 24.4	0.630	0.993	70.6	16.9	72 E	43*	46*
1 11	0 20.02	+ 1 33.2	0.621	1.013	69.3	16.9	75 E	46*	46*
1 16	0 48.02	+ 4 34.8	0.617	1.037	67.5	16.8	77 E	50*	45*
1 21	1 16.67	+ 7 34.8	0.620	1.065	65.4	16.8	80 E	53*	45*
1 26	1 45.63	+10 27.1	0.631	1.096	62.9	16.9	82 E	55*	44*
1 31	2 14.51	+13 6.2	0.648	1.129	60.3	16.9	85 E	58*	44*
2 5	2 42.95	+15 27.9	0.674	1.164	57.7	17.0	87 E	60*	43*
2 10	3 10.61	+17 29.9	0.706	1.202	55.2	17.1	89 E	62	42*
2 15	3 37.20	+19 11.3	0.745	1.240	52.8	17.2	90 E	64	42*
2 20	4 2.55	+20 32.8	0.790	1.280	50.5	17.3	91 E	66*	41*
2 25	4 26.52	+21 36.0	0.841	1.321	48.5	17.5	92 E	67*	41*
3 2	4 49.10	+22 22.9	0.896	1.363	46.6	17.6	92 E	67*	40*
3 7	5 10.30	+22 55.7	0.957	1.405	44.9	17.8	92 E	68*	40*
3 12	5 30.20	+23 16.6	1.022	1.448	43.3	17.9	92 E	68*	40*
3 17	5 48.90	+23 27.5	1.090	1.491	41.9	18.1	91 E	68*	40*
3 22	6 6.50	+23 30.1	1.163	1.534	40.5	18.3	90 E	67*	40*
3 27	6 23.09	+23 25.5	1.238	1.577	39.3	18.4	89 E	67*	40*
4 1	6 38.77	+23 15.1	1.315	1.620	38.1	18.6	88 E	66*	40*
4 6	6 53.63	+22 59.8	1.396	1.663	36.9	18.7	86 E	64*	41*
4 11	7 7.76	+22 40.2	1.478	1.705	35.8	18.9	85 E	63*	41*
4 16	7 21.25	+22 17.0	1.562	1.748	34.7	19.0	83 E	61*	41*
4 21	7 34.15	+21 50.8	1.648	1.790	33.7	19.1	81 E	58*	42*
4 26	7 46.52	+21 21.8	1.735	1.832	32.6	19.3	79 E	56*	42*
5 1	7 58.42	+20 50.6	1.824	1.874	31.6	19.4	77 E	53*	43*
5 6	8 9.88	+20 17.3	1.913	1.915	30.6	19.5	75 E	51*	43*

4179 Toutatis *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	8 31.68	+19 5.6	2.093	1.996	28.5	19.7	70 E	45*	43*
5 26	8 52.18	+17 48.2	2.273	2.076	26.4	19.9	66 E	39*	44*
6 5	9 11.59	+16 26.4	2.453	2.154	24.4	20.1	61 E	33*	43*
6 15	9 30.08	+15 1.2	2.629	2.230	22.2	20.3	56 E	27*	42*
6 25	9 47.77	+13 33.2	2.801	2.304	20.1	20.4	51 E	21*	40*
7 5	10 4.76	+12 3.3	2.967	2.377	17.9	20.5	46 E	17*	37*
7 15	10 21.16	+10 31.9	3.125	2.448	15.8	20.6	41 E	13*	33*
7 25	10 37.02	+ 8 59.7	3.274	2.517	13.5	20.7	35 E	9*	29*
8 4	10 52.40	+ 7 27.3	3.412	2.584	11.3	20.8	30 E	6*	24*
8 14	11 7.35	+ 5 54.9	3.538	2.649	9.1	20.8	24 E	4*	18*
8 24	11 21.90	+ 4 23.1	3.651	2.713	6.9	20.8	19 E	1*	13*
9 3	11 36.07	+ 2 52.5	3.749	2.775	4.7	20.8	13 E	—	7*
9 13	11 49.88	+ 1 23.4	3.831	2.835	2.5	20.8	7 E	—	1*
9 23	12 3.33	− 0 3.6	3.897	2.894	0.3	20.6	1 E	—	—
10 3	12 16.42	− 1 28.2	3.945	2.950	1.8	20.9	5 W	—	—
10 13	12 29.13	− 2 49.8	3.976	3.006	3.9	21.1	12 W	5*	1*
10 23	12 41.43	− 4 8.0	3.988	3.060	5.9	21.2	18 W	11*	6*
11 2	12 53.27	− 5 22.1	3.981	3.112	7.8	21.4	25 W	17*	11*
11 12	13 4.59	− 6 31.8	3.956	3.162	9.6	21.5	32 W	22*	16*

307419 2002 TN_{237}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	23 2.31	+14 32.8	3.259	3.202	17.5	20.9	78 E	59*	34*
1 6	23 12.10	+14 11.2	3.362	3.167	17.0	20.9	70 E	57*	28*
1 16	23 22.95	+14 3.3	3.459	3.132	16.2	20.9	63 E	53*	23*
1 26	23 34.70	+14 7.8	3.546	3.096	15.2	20.9	55 E	48*	18*
2 5	23 47.23	+14 23.2	3.623	3.060	14.0	20.9	48 E	42*	13*
2 15	0 0.45	+14 47.8	3.687	3.022	12.6	20.9	42 E	36*	9*
2 25	0 14.27	+15 20.2	3.738	2.984	11.0	20.8	35 E	29*	6*
3 7	0 28.62	+15 58.8	3.774	2.945	9.4	20.8	29 E	23*	2*
3 17	0 43.47	+16 42.4	3.796	2.905	7.7	20.7	23 E	17*	—
3 27	0 58.77	+17 29.3	3.802	2.865	6.0	20.6	17 E	11*	—
4 6	1 14.50	+18 18.4	3.793	2.824	4.4	20.4	13 E	5*	—
4 16	1 30.64	+19 8.2	3.768	2.782	3.3	20.3	9 W	2*	—
4 26	1 47.18	+19 57.5	3.729	2.740	3.3	20.3	9 W	3*	—
5 6	2 4.11	+20 45.0	3.675	2.697	4.5	20.3	12 W	5*	2*
5 16	2 21.41	+21 29.4	3.608	2.654	6.2	20.3	16 W	7*	7*
5 26	2 39.07	+22 9.5	3.527	2.610	8.1	20.3	21 W	9*	12*
6 5	2 57.09	+22 43.8	3.434	2.565	10.1	20.3	26 W	12*	16*
6 15	3 15.42	+23 11.3	3.329	2.520	12.2	20.3	32 W	15*	20*
6 25	3 34.04	+23 30.3	3.214	2.475	14.2	20.2	37 W	19*	24*
7 5	3 52.90	+23 39.6	3.089	2.429	16.2	20.2	42 W	24*	27*
7 15	4 11.95	+23 37.7	2.956	2.383	18.2	20.1	47 W	29*	30*
7 25	4 31.11	+23 23.0	2.816	2.337	20.1	20.0	52 W	34*	32*
8 4	4 50.28	+22 54.1	2.669	2.291	21.9	19.9	58 W	39*	35*
8 14	5 9.36	+22 9.3	2.519	2.246	23.7	19.8	63 W	45*	37*
8 24	5 28.21	+21 6.7	2.365	2.200	25.3	19.6	68 W	50*	39*
9 3	5 46.70	+19 44.5	2.210	2.154	26.7	19.5	74 W	54*	41*
9 13	6 4.64	+18 0.7	2.054	2.110	27.9	19.3	79 W	57*	44*
9 23	6 21.84	+15 53.2	1.901	2.065	28.9	19.1	85 W	59*	46*
10 3	6 38.09	+13 19.7	1.752	2.022	29.7	18.9	90 W	58*	50*
10 13	6 53.12	+10 17.9	1.608	1.980	30.1	18.7	96 W	55	53*
10 23	7 6.63	+ 6 46.1	1.472	1.939	30.2	18.5	102 W	52	57*
11 2	7 18.30	+ 2 43.2	1.347	1.899	29.9	18.2	108 W	48	61
11 12	7 27.71	− 1 50.2	1.233	1.862	29.2	18.0	113 W	43	66
11 17	7 31.44	− 4 17.1	1.182	1.844	28.8	17.9	116 W	41	68
11 22	7 34.46	− 6 49.9	1.135	1.826	28.4	17.7	119 W	38	71
11 27	7 36.71	− 9 27.1	1.092	1.809	27.9	17.6	121 W	36	73
12 2	7 38.13	−12 7.3	1.053	1.793	27.4	17.5	123 W	33	76
12 7	7 38.68	−14 48.3	1.018	1.778	27.0	17.4	125 W	30	79
12 12	7 38.35	−17 27.6	0.989	1.763	26.6	17.3	127 W	28	81
12 17	7 37.14	−20 2.6	0.963	1.749	26.4	17.2	128 W	25	84
12 22	7 35.09	−22 30.4	0.942	1.735	26.3	17.2	129 W	22	87
12 27	7 32.25	−24 48.2	0.925	1.723	26.3	17.1	129 W	20	89
1 1	7 28.71	−26 53.1	0.913	1.711	26.5	17.1	129 W	18	89
1 6	7 24.65	−28 42.7	0.904	1.701	26.9	17.0	129 W	16	87
1 11	7 20.26	−30 15.0	0.899	1.691	27.3	17.0	128 E	15	86
1 16	7 15.78	−31 28.9	0.897	1.682	27.9	17.0	127 E	14	85
1 21	7 11.45	−32 24.0	0.897	1.674	28.5	17.0	126 E	13	84

227124 2005 OE_2

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
12 27	23 2.54	−11 9.1	1.813	1.694	32.3	20.7	67 E	34*	50*
1 6	23 26.03	− 8 17.4	1.907	1.711	30.9	20.8	63 E	36*	44*
1 16	23 49.35	− 5 23.4	2.004	1.730	29.4	20.9	60 E	37*	39*
1 26	0 12.51	− 2 29.6	2.101	1.752	27.8	21.0	56 E	38*	35*
2 5	0 35.52	+ 0 21.7	2.200	1.777	26.0	21.0	52 E	37*	31*
2 15	0 58.43	+ 3 8.6	2.300	1.804	24.2	21.1	48 E	36*	28*
2 25	1 21.27	+ 5 49.3	2.398	1.832	22.3	21.2	45 E	33*	24*
3 7	1 44.06	+ 8 22.2	2.496	1.862	20.4	21.2	41 E	31*	22*
3 17	2 6.85	+10 45.9	2.592	1.894	18.4	21.3	37 E	27*	19*
3 27	2 29.64	+12 59.3	2.685	1.927	16.4	21.4	33 E	24*	17*
4 6	2 52.45	+15 1.4	2.774	1.961	14.4	21.4	29 E	20*	14*

227124 2005 OE_2 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4 16	3 15.26	+16 51.5	2.859	1.996	12.3	21.4	25 E	16*	12*
4 26	3 38.07	+18 29.1	2.939	2.031	10.2	21.4	21 E	12*	10*
5 6	4 0.82	+19 53.7	3.012	2.067	8.1	21.4	17 E	8*	7*
5 16	4 23.49	+21 5.2	3.079	2.103	6.0	21.4	13 E	4*	4*
5 26	4 46.00	+22 3.7	3.138	2.140	3.9	21.4	8 E	—	1*
6 5	5 8.29	+22 49.3	3.188	2.177	1.8	21.3	4 E	—	—
6 15	5 30.30	+23 22.4	3.229	2.213	0.3	21.2	1 W	—	—
6 25	5 51.94	+23 43.5	3.260	2.250	2.4	21.5	5 W	—	—

129541 1996 PQ_9

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 2.57	+14 2.4	1.560	1.658	35.4	18.3	78 E	59*	34*
1 6	23 23.16	+16 5.8	1.621	1.639	35.1	18.4	73 E	60*	29*
1 16	23 45.56	+18 16.1	1.680	1.623	34.6	18.4	70 E	59*	25*
1 26	0 9.69	+20 30.8	1.736	1.610	34.0	18.4	66 E	58*	21*
2 5	0 35.47	+22 46.3	1.792	1.600	33.2	18.5	63 E	56*	18*
2 15	1 2.89	+24 58.9	1.847	1.594	32.3	18.5	60 E	53*	16*
2 25	1 31.88	+27 4.5	1.903	1.590	31.3	18.5	57 E	51*	14*
3 7	2 2.32	+28 58.5	1.960	1.591	30.2	18.6	54 E	48*	13*
3 17	2 34.07	+30 36.8	2.019	1.595	29.1	18.6	51 E	45*	12*
3 27	3 6.89	+31 55.3	2.079	1.602	27.8	18.6	48 E	42*	12*
4 6	3 40.45	+32 50.9	2.142	1.613	26.4	18.7	46 E	40*	12*
4 16	4 14.38	+33 21.4	2.208	1.627	24.9	18.7	43 E	37*	13*
4 21	4 31.34	+33 27.0	2.242	1.635	24.2	18.7	42 E	35*	13*
4 26	4 48.23	+33 25.9	2.276	1.644	23.4	18.8	40 E	33*	13*
5 1	5 4.99	+33 18.4	2.310	1.654	22.5	18.8	39 E	32*	13*
5 6	5 21.57	+33 4.5	2.345	1.664	21.7	18.8	38 E	30*	13*
5 11	5 37.95	+32 44.4	2.381	1.675	20.8	18.8	36 E	28*	14*
5 16	5 54.07	+32 18.5	2.417	1.686	19.9	18.8	35 E	26*	14*
5 21	6 9.90	+31 47.0	2.452	1.698	19.0	18.9	33 E	24*	14*
5 26	6 25.41	+31 10.2	2.488	1.711	18.1	18.9	32 E	22*	14*
6 5	6 55.40	+29 42.0	2.560	1.738	16.2	18.9	29 E	18*	14*
6 15	7 23.97	+27 57.0	2.630	1.767	14.3	18.9	25 E	14*	13*
6 25	7 51.07	+25 57.9	2.699	1.797	12.2	19.0	22 E	10*	11*
7 5	8 16.75	+23 47.4	2.764	1.829	10.2	19.0	19 E	7*	10*
7 15	8 41.11	+21 27.7	2.826	1.862	8.1	19.0	15 E	3*	7*
7 25	9 4.23	+19 1.1	2.882	1.896	6.0	19.0	11 E	1*	4*
8 4	9 26.22	+16 29.3	2.933	1.930	3.8	18.9	7 E	—	1*
8 14	9 47.22	+13 53.7	2.976	1.966	1.7	18.8	3 E	—	—
8 24	10 7.30	+11 15.5	3.012	2.001	0.5	18.8	1 W	—	—
9 3	10 26.57	+ 8 35.9	3.039	2.037	2.6	19.0	5 W	—	—
9 13	10 45.11	+ 5 55.7	3.057	2.073	4.8	19.2	10 W	2*	2*
9 23	11 2.99	+ 3 15.6	3.065	2.109	6.8	19.4	15 W	6*	5*
10 3	11 20.27	+ 0 36.2	3.063	2.145	8.9	19.5	19 W	10*	9*
10 13	11 36.97	− 2 1.9	3.050	2.180	10.9	19.6	24 W	15*	13*
10 23	11 53.12	− 4 38.1	3.025	2.216	12.8	19.7	30 W	18*	17*
11 2	12 8.71	− 7 12.3	2.990	2.251	14.7	19.8	35 W	22*	22*
11 12	12 23.71	− 9 44.1	2.943	2.285	16.4	19.8	41 W	25*	27*
11 22	12 38.08	−12 13.0	2.885	2.319	18.0	19.9	46 W	27*	32*
12 2	12 51.74	−14 39.1	2.817	2.352	19.4	19.9	53 W	27*	39*
12 12	13 4.57	−17 2.0	2.739	2.385	20.7	19.9	59 W	27*	46*
12 22	13 16.42	−19 21.7	2.653	2.417	21.7	19.9	66 W	26*	54*
1 1	13 27.10	−21 38.0	2.559	2.448	22.5	19.9	72 W	23	62*
1 11	13 36.34	−23 50.6	2.459	2.478	23.0	19.8	80 W	21	71*
1 21	13 43.85	−25 59.2	2.356	2.508	23.1	19.8	87 W	19	80*

103066 1999 XO_{141}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 3.47	− 9 5.1	1.623	1.553	36.0	21.3	68 E	36*	49*
1 6	23 28.46	− 6 19.4	1.721	1.576	34.3	21.4	65 E	38*	44*
1 16	23 52.95	− 3 32.7	1.821	1.599	32.6	21.5	61 E	39*	39*
1 26	0 17.05	− 0 47.2	1.920	1.623	30.8	21.6	58 E	40*	35*
2 5	0 40.86	+ 1 55.2	2.019	1.646	29.0	21.7	54 E	39*	31*

3288 Seleucus

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 3.94	− 2 40.6	2.948	2.782	19.5	20.8	71 E	42*	45*
1 6	23 14.78	− 1 48.8	3.105	2.805	18.3	20.8	63 E	42*	38*
1 16	23 26.27	− 0 50.2	3.253	2.826	16.8	20.9	56 E	40*	32*
1 26	23 38.29	+ 0 13.9	3.390	2.846	15.2	21.0	49 E	36*	26*
2 5	23 50.71	+ 1 22.5	3.515	2.864	13.4	21.0	42 E	32*	21*
2 15	0 3.45	+ 2 34.5	3.625	2.881	11.5	21.0	36 E	27*	16*
2 25	0 16.46	+ 3 49.0	3.721	2.896	9.5	21.0	29 E	21*	11*
3 7	0 29.65	+ 5 5.0	3.800	2.909	7.5	21.0	23 E	15*	7*
3 17	0 43.00	+ 6 21.7	3.863	2.921	5.4	20.9	16 E	10*	3*
3 27	0 56.45	+ 7 38.4	3.909	2.931	3.3	20.8	10 E	4*	—
4 6	1 9.97	+ 8 54.3	3.938	2.940	1.2	20.7	4 E	—	—
4 16	1 23.53	+10 8.7	3.948	2.947	1.1	20.7	3 W	—	—
4 26	1 37.09	+11 21.0	3.941	2.952	3.1	20.8	9 W	—	3*
5 6	1 50.61	+12 30.5	3.917	2.956	5.2	20.9	15 W	1*	9*
5 16	2 4.05	+13 36.9	3.876	2.959	7.2	21.0	22 W	4*	15*
5 26	2 17.36	+14 39.5	3.819	2.960	9.2	21.1	28 W	7*	20*
6 5	2 30.48	+15 37.9	3.746	2.959	11.1	21.1	34 W	11*	26*

3288 Seleucus *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 15	2 43.35	+16 31.6	3.657	2.957	12.8	21.1	40 W	16*	31*
6 25	2 55.87	+17 20.4	3.555	2.954	14.5	21.1	47 W	21*	35*
7 5	3 7.95	+18 3.7	3.440	2.948	16.1	21.1	53 W	28*	38*
7 15	3 19.47	+18 41.4	3.313	2.942	17.4	21.1	60 W	35*	41*
7 25	3 30.26	+19 13.1	3.177	2.933	18.6	21.0	67 W	42*	42*
8 4	3 40.17	+19 38.6	3.032	2.923	19.5	20.9	74 W	49*	43*
8 14	3 48.96	+19 57.6	2.880	2.912	20.1	20.8	82 W	56*	44*
8 24	3 56.38	+20 9.8	2.724	2.899	20.4	20.7	90 W	62*	44
9 3	4 2.16	+20 15.0	2.567	2.884	20.3	20.6	98 W	65*	44
9 13	4 5.95	+20 12.6	2.412	2.868	19.6	20.4	107 W	65	44
9 23	4 7.41	+20 2.2	2.262	2.851	18.4	20.2	116 W	65	44
10 3	4 6.24	+19 42.9	2.121	2.831	16.5	20.0	126 W	65	44
10 13	4 2.19	+19 14.0	1.995	2.810	14.0	19.7	137 W	64	45
10 23	3 55.25	+18 35.0	1.888	2.788	10.6	19.5	149 W	64	45
11 2	3 45.71	+17 46.1	1.806	2.764	6.7	19.2	161 W	63	46
11 7	3 40.17	+17 18.4	1.775	2.751	4.5	19.0	167 W	62	47
11 12	3 34.27	+16 49.0	1.752	2.738	2.3	18.9	174 W	62	47
11 17	3 28.17	+16 18.6	1.737	2.725	0.9	18.7	177 E	61	48
11 22	3 22.03	+15 47.8	1.729	2.711	2.8	18.9	172 E	61	48
11 27	3 16.00	+15 17.3	1.729	2.697	5.2	19.0	166 E	60	49
12 2	3 10.24	+14 47.8	1.737	2.682	7.5	19.1	159 E	60	49
12 7	3 4.89	+14 20.2	1.752	2.667	9.7	19.2	153 E	59	50
12 12	3 0.09	+13 55.2	1.773	2.651	11.8	19.3	147 E	59	50
12 22	2 52.46	+13 14.8	1.834	2.619	15.5	19.5	135 E	58	51
1 1	2 47.79	+12 49.4	1.913	2.585	18.6	19.6	123 E	58	51
1 11	2 46.20	+12 39.8	2.005	2.549	20.9	19.8	113 E	58	51
1 21	2 47.57	+12 44.9	2.105	2.512	22.5	19.9	103 E	58	50*

165117 2000 JB_{61}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 4.35	− 1 37.5	2.153	2.059	26.9	21.2	71 E	43*	45*
1 6	23 22.56	− 0 8.1	2.293	2.092	25.4	21.4	66 E	44*	39*
1 16	23 40.84	+ 1 25.9	2.430	2.124	23.8	21.5	60 E	43*	34*
1 26	23 59.16	+ 3 3.3	2.563	2.157	22.0	21.6	55 E	41*	29*
2 5	0 17.49	+ 4 42.4	2.691	2.189	20.1	21.7	50 E	39*	25*

383006 2005 LE_{19}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 4.48	− 7 40.9	1.706	1.633	34.2	21.3	69 E	37*	48*
1 6	23 30.43	− 5 22.9	1.811	1.664	32.5	21.5	66 E	39*	44*
1 16	23 55.77	− 3 1.5	1.919	1.698	30.8	21.6	62 E	40*	39*
1 26	0 20.55	− 0 39.4	2.030	1.733	29.0	21.7	59 E	40*	36*
2 5	0 44.80	+ 1 40.8	2.144	1.771	27.1	21.8	55 E	39*	32*

37596 Cotahuasi

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
12 27	23 4.71	+ 6 10.5	3.130	3.021	18.3	20.5	75 E	51*	40*
1 6	23 14.88	+ 6 14.0	3.251	3.005	17.5	20.6	67 E	50*	34*
1 16	23 26.01	+ 6 29.4	3.364	2.987	16.5	20.6	59 E	47*	28*
1 26	23 37.93	+ 6 55.0	3.467	2.968	15.2	20.6	52 E	42*	23*
2 5	23 50.52	+ 7 29.4	3.558	2.949	13.7	20.6	45 E	37*	18*
2 15	0 3.69	+ 8 11.1	3.636	2.928	12.1	20.6	38 E	31*	13*
2 25	0 17.36	+ 8 58.6	3.700	2.907	10.4	20.5	32 E	25*	9*
3 7	0 31.46	+ 9 50.6	3.749	2.884	8.5	20.5	25 E	19*	5*
3 17	0 45.96	+10 45.9	3.782	2.861	6.6	20.4	19 E	13*	2*
3 27	1 0.80	+11 43.2	3.799	2.837	4.6	20.3	13 E	7*	—
4 6	1 15.96	+12 41.3	3.801	2.812	2.7	20.1	8 E	1*	—
4 16	1 31.42	+13 39.1	3.787	2.786	1.4	20.0	4 W	—	—
4 26	1 47.14	+14 35.6	3.757	2.759	2.4	20.0	7 W	—	—
5 6	2 3.12	+15 29.6	3.712	2.732	4.3	20.1	12 W	1*	5*
5 16	2 19.33	+16 20.2	3.652	2.704	6.4	20.2	17 W	3*	10*
5 26	2 35.75	+17 6.3	3.579	2.674	8.4	20.2	23 W	6*	15*
6 5	2 52.35	+17 46.9	3.493	2.644	10.5	20.2	28 W	9*	20*
6 15	3 9.10	+18 21.0	3.394	2.613	12.5	20.2	34 W	13*	25*
6 25	3 25.93	+18 47.6	3.284	2.582	14.5	20.2	40 W	17*	29*
7 5	3 42.80	+19 5.6	3.164	2.550	16.4	20.1	45 W	22*	32*
7 15	3 59.64	+19 14.2	3.034	2.517	18.2	20.1	51 W	28*	35*
7 25	4 16.35	+19 12.2	2.896	2.483	19.9	20.0	56 W	34*	38*
8 4	4 32.83	+18 58.6	2.752	2.449	21.5	19.9	62 W	40*	40*
8 14	4 48.94	+18 32.5	2.602	2.414	22.9	19.8	68 W	46*	42*
8 24	5 4.52	+17 52.6	2.448	2.378	24.1	19.7	74 W	51*	44*
9 3	5 19.40	+16 58.0	2.292	2.343	25.1	19.5	80 W	55*	46*
9 13	5 33.34	+15 47.5	2.135	2.306	25.8	19.3	87 W	58*	48*
9 23	5 46.09	+14 20.1	1.979	2.270	26.2	19.2	93 W	59*	50*
10 3	5 57.35	+12 34.7	1.827	2.233	26.2	18.9	100 W	58	51
10 13	6 6.76	+10 30.3	1.680	2.195	25.7	18.7	107 W	56	53
10 23	6 13.91	+ 8 6.9	1.541	2.158	24.7	18.5	115 W	53	56
11 2	6 18.39	+ 5 24.9	1.413	2.121	23.2	18.2	123 W	50	59
11 12	6 19.77	+ 2 27.0	1.299	2.084	21.1	17.9	131 W	47	62
11 17	6 19.20	+ 0 53.9	1.248	2.065	20.0	17.8	135 W	46	63
11 22	6 17.77	− 0 40.8	1.202	2.047	18.8	17.6	138 W	44	65
11 27	6 15.48	− 2 15.7	1.161	2.029	17.6	17.5	142 W	43	66

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		37596 Cotahuasi				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 2	6 12.36	− 3 49.0	1.125	2.010	16.6	17.4	144 W	41	68
12 7	6 8.48	− 5 18.9	1.094	1.992	15.8	17.3	147 W	40	69
12 12	6 3.95	− 6 43.3	1.069	1.974	15.3	17.2	148 W	38	71
12 17	5 58.93	− 8 0.2	1.050	1.957	15.4	17.1	148 W	37	72
12 22	5 53.61	− 9 7.9	1.037	1.939	15.9	17.1	147 E	36	73
12 27	5 48.17	−10 4.8	1.029	1.922	16.8	17.1	146 E	35	74
1 1	5 42.85	−10 49.8	1.026	1.905	18.1	17.1	143 E	34	75
1 6	5 37.86	−11 22.3	1.028	1.888	19.7	17.1	140 E	34	75
1 11	5 33.42	−11 42.3	1.034	1.871	21.3	17.2	136 E	33	76
1 16	5 29.71	−11 50.4	1.044	1.855	23.1	17.2	132 E	33	76
1 21	5 26.85	−11 47.5	1.058	1.839	24.7	17.3	129 E	33	76
		90075 2002 VU_{94}							
12 27	23 5.93	− 0 57.3	2.024	1.956	28.5	19.5	72 E	44*	45*
1 6	23 25.44	+ 0 29.2	2.204	2.028	26.5	19.7	67 E	44*	39*
1 16	23 44.20	+ 1 57.7	2.382	2.098	24.3	19.9	61 E	44*	34*
1 26	0 2.36	+ 3 27.1	2.556	2.166	22.1	20.1	56 E	42*	30*
2 5	0 20.02	+ 4 56.4	2.725	2.231	19.9	20.2	50 E	39*	25*
2 15	0 37.28	+ 6 24.8	2.886	2.295	17.7	20.3	45 E	35*	21*
2 25	0 54.20	+ 7 51.7	3.038	2.357	15.4	20.4	39 E	31*	18*
3 7	1 10.83	+ 9 16.2	3.180	2.416	13.1	20.5	34 E	26*	14*
3 17	1 27.22	+10 37.8	3.309	2.473	10.8	20.5	28 E	20*	11*
3 27	1 43.37	+11 56.0	3.425	2.528	8.5	20.6	22 E	15*	8*
4 6	1 59.30	+13 10.0	3.527	2.582	6.2	20.6	16 E	9*	4*
4 16	2 15.02	+14 19.7	3.614	2.633	4.0	20.6	10 E	4*	1*
4 26	2 30.52	+15 24.5	3.684	2.682	1.7	20.5	5 E	—	—
5 6	2 45.77	+16 24.1	3.738	2.729	0.5	20.4	1 W	—	—
5 16	3 0.77	+17 18.2	3.775	2.775	2.7	20.7	7 W	—	1*
5 26	3 15.46	+18 6.7	3.794	2.818	4.8	20.9	13 W	—	7*
6 5	3 29.80	+18 49.3	3.796	2.860	6.8	21.0	20 W	3*	12*
6 15	3 43.74	+19 26.0	3.781	2.900	8.7	21.1	26 W	8*	18*
6 25	3 57.19	+19 56.7	3.750	2.938	10.6	21.2	32 W	13*	23*
7 5	4 10.07	+20 21.5	3.701	2.975	12.3	21.2	39 W	18*	27*
7 15	4 22.29	+20 40.5	3.637	3.009	13.9	21.3	45 W	25*	31*
7 25	4 33.72	+20 53.7	3.559	3.042	15.3	21.3	52 W	32*	34*
8 4	4 44.22	+21 1.4	3.467	3.073	16.5	21.3	59 W	39*	37*
8 14	4 53.63	+21 3.9	3.362	3.103	17.4	21.3	67 W	47*	39*
8 24	5 1.75	+21 1.4	3.248	3.131	18.1	21.3	74 W	54*	41*
9 3	5 8.38	+20 54.3	3.126	3.157	18.5	21.2	82 W	60*	42*
9 13	5 13.29	+20 42.8	3.000	3.182	18.4	21.1	91 W	64*	43*
9 23	5 16.21	+20 27.2	2.872	3.204	18.0	21.1	100 W	65	44
10 3	5 16.92	+20 7.8	2.746	3.226	17.0	20.9	110 W	65	44
10 13	5 15.19	+19 44.5	2.629	3.246	15.4	20.8	120 W	65	44
10 23	5 10.93	+19 17.4	2.524	3.264	13.3	20.7	131 W	64	45
11 2	5 4.20	+18 46.7	2.437	3.280	10.6	20.5	143 W	64	45
11 12	4 55.28	+18 12.6	2.374	3.296	7.4	20.3	155 W	63	46
11 22	4 44.76	+17 36.1	2.340	3.309	3.9	20.1	167 W	63	46
12 2	4 33.48	+16 59.1	2.338	3.321	1.5	19.9	175 W	62	47
12 12	4 22.38	+16 23.8	2.368	3.332	4.2	20.2	166 E	61	48
12 22	4 12.40	+15 53.2	2.431	3.340	7.5	20.4	154 E	61	48
1 1	4 4.22	+15 29.5	2.521	3.348	10.5	20.6	142 E	60	49
1 11	3 58.30	+15 14.1	2.636	3.354	13.0	20.8	130 E	60	49
1 21	3 54.79	+15 7.6	2.768	3.358	14.8	21.0	119 E	60	49
		45251 1999 *YN*							
12 27	23 6.12	−26 34.7	1.911	1.712	30.9	18.3	63 E	18*	55*
1 6	23 29.01	−23 58.4	1.958	1.687	30.1	18.3	59 E	20*	50*
1 16	23 52.49	−21 8.2	2.002	1.665	29.3	18.3	56 E	22*	46*
1 26	0 16.45	−18 6.2	2.044	1.645	28.4	18.3	53 E	23*	42*
2 5	0 40.79	−14 54.8	2.084	1.629	27.5	18.3	50 E	24*	39*
2 15	1 5.50	−11 36.5	2.123	1.616	26.5	18.3	47 E	24*	36*
2 25	1 30.56	− 8 14.5	2.163	1.606	25.4	18.3	44 E	23*	33*
3 7	1 55.96	− 4 52.0	2.204	1.600	24.2	18.3	41 E	22*	31*
3 17	2 21.73	− 1 32.4	2.246	1.597	23.0	18.3	39 E	21*	29*
3 27	2 47.85	+ 1 40.9	2.291	1.598	21.6	18.3	36 E	19*	27*
4 6	3 14.33	+ 4 44.6	2.338	1.603	20.2	18.3	34 E	17*	24*
4 16	3 41.17	+ 7 35.9	2.387	1.611	18.7	18.3	31 E	14*	22*
4 26	4 8.30	+10 12.1	2.438	1.623	17.1	18.3	28 E	11*	20*
5 6	4 35.69	+12 31.1	2.491	1.638	15.3	18.3	25 E	8*	18*
5 16	5 3.25	+14 31.4	2.544	1.656	13.5	18.3	23 E	5*	15*
5 26	5 30.87	+16 12.0	2.598	1.677	11.7	18.3	20 E	3*	13*
6 5	5 58.44	+17 32.6	2.650	1.701	9.7	18.3	16 E	—	10*
6 15	6 25.85	+18 33.4	2.701	1.727	7.7	18.3	13 E	—	7*
6 25	6 52.95	+19 15.0	2.749	1.756	5.7	18.3	10 E	—	4*
7 5	7 19.63	+19 38.6	2.793	1.786	3.6	18.2	6 E	—	—
7 15	7 45.81	+19 45.6	2.833	1.818	1.5	18.2	3 E	—	—
7 25	8 11.37	+19 37.8	2.866	1.851	0.7	18.2	1 W	—	—
8 4	8 36.26	+19 17.1	2.894	1.886	2.7	18.4	5 W	—	—
8 14	9 0.46	+18 45.5	2.914	1.921	4.8	18.6	9 W	3*	—
8 24	9 23.92	+18 5.1	2.927	1.957	6.9	18.7	13 W	7*	1*
9 3	9 46.64	+17 17.9	2.931	1.994	8.9	18.8	18 W	11*	3*
9 13	10 8.63	+16 26.1	2.926	2.031	10.8	18.9	22 W	16*	5*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		45251 1999 *YN*				*(continuation)*			
	h m	° ′			°	m	°	°	°
9 23	10 29.89	+15 31.8	2.911	2.068	12.7	19.1	27 W	21*	7*
10 3	10 50.43	+14 36.9	2.887	2.106	14.6	19.1	32 W	26*	9*
10 13	11 10.25	+13 43.6	2.853	2.143	16.3	19.2	37 W	31*	11*
10 23	11 29.34	+12 53.8	2.810	2.181	17.9	19.3	42 W	36*	14*
11 2	11 47.69	+12 9.7	2.756	2.218	19.4	19.3	48 W	41*	17*
11 12	12 5.24	+11 33.2	2.694	2.255	20.7	19.3	54 W	45*	20*
11 22	12 21.94	+11 6.6	2.622	2.291	21.9	19.4	60 W	49*	24*
12 2	12 37.70	+10 51.8	2.544	2.327	22.8	19.3	66 W	53*	29*
12 12	12 52.38	+10 51.1	2.458	2.363	23.5	19.3	73 W	55*	34*
12 22	13 5.81	+11 6.5	2.368	2.398	23.8	19.3	80 W	56*	39*
1 1	13 17.81	+11 39.9	2.275	2.432	23.8	19.2	87 W	57	44*
1 11	13 28.09	+12 33.0	2.181	2.465	23.4	19.2	95 W	58	47*
1 21	13 36.39	+13 46.5	2.090	2.498	22.6	19.1	103 W	59	49*
		395143 2010 CN_1							
12 27	23 6.41	−34 18.8	0.432	0.867	92.2	19.8	62 E	11*	56*
12 29	23 20.15	−35 31.7	0.428	0.873	91.7	19.8	63 E	9*	56*
12 31	23 34.25	−36 40.7	0.424	0.880	91.0	19.8	63 E	8*	57*
1 2	23 48.71	−37 45.1	0.421	0.887	90.2	19.7	64 E	7*	58*
1 4	0 3.49	−38 44.0	0.418	0.895	89.3	19.7	66 E	6	59*
1 6	0 18.56	−39 36.8	0.417	0.904	88.2	19.7	67 E	5	60*
1 8	0 33.86	−40 23.1	0.416	0.912	87.1	19.7	68 E	5	62*
1 10	0 49.34	−41 2.2	0.415	0.922	85.9	19.6	69 E	4	63*
1 12	1 4.94	−41 33.9	0.415	0.932	84.6	19.6	71 E	3	64*
1 14	1 20.59	−41 58.0	0.416	0.942	83.2	19.6	72 E	3	65*
1 16	1 36.21	−42 14.3	0.417	0.953	81.8	19.6	73 E	3	66*
1 18	1 51.75	−42 22.8	0.419	0.964	80.3	19.5	75 E	3	67*
1 20	2 7.11	−42 23.6	0.421	0.975	78.8	19.5	76 E	3	68*
1 22	2 22.25	−42 17.1	0.424	0.986	77.3	19.5	78 E	3	69*
1 24	2 37.10	−42 3.3	0.427	0.998	75.7	19.5	79 E	3	70*
1 26	2 51.60	−41 42.8	0.431	1.010	74.2	19.5	81 E	3	71*
1 28	3 5.73	−41 15.9	0.435	1.023	72.6	19.5	82 E	4	72*
1 30	3 19.45	−40 42.9	0.440	1.035	71.1	19.5	84 E	4	74*
2 1	3 32.74	−40 4.5	0.445	1.048	69.5	19.5	85 E	5	75*
2 3	3 45.58	−39 21.0	0.450	1.061	68.0	19.5	87 E	6	76*
2 5	3 57.97	−38 32.9	0.456	1.074	66.5	19.5	88 E	6	77*
2 10	4 27.04	−36 15.8	0.473	1.107	63.0	19.5	92 E	9	80*
2 15	4 53.51	−33 40.5	0.493	1.141	59.6	19.6	95 E	11	82
2 20	5 17.65	−30 53.8	0.515	1.175	56.5	19.7	98 E	14	85
2 25	5 39.75	−28 1.6	0.541	1.210	53.6	19.7	100 E	17	88
3 2	6 0.11	−25 8.9	0.570	1.244	51.1	19.8	102 E	20	89
3 7	6 18.97	−22 19.6	0.603	1.278	48.9	20.0	104 E	23	86
3 12	6 36.60	−19 36.8	0.639	1.312	47.1	20.1	105 E	25	84
3 17	6 53.19	−17 3.1	0.679	1.346	45.5	20.2	105 E	28	81
3 22	7 8.90	−14 40.3	0.722	1.379	44.1	20.4	106 E	30	79
3 27	7 23.86	−12 29.4	0.768	1.411	43.0	20.5	105 E	33	76
4 1	7 38.16	−10 30.8	0.818	1.444	42.0	20.7	105 E	34	75
4 6	7 51.89	− 8 44.6	0.870	1.475	41.2	20.9	104 E	36*	73
4 11	8 5.14	− 7 10.5	0.926	1.506	40.5	21.0	103 E	38*	71
4 16	8 17.96	− 5 48.0	0.984	1.537	39.8	21.2	101 E	39*	70
4 21	8 30.40	− 4 36.8	1.045	1.566	39.2	21.3	100 E	39*	69
4 26	8 42.50	− 3 36.0	1.108	1.595	38.7	21.5	98 E	39*	68
		13651 1997 *BR*							
12 27	23 6.78	−22 40.5	1.613	1.484	36.7	21.2	64 E	22*	55*
1 1	23 20.28	−21 3.2	1.666	1.503	35.7	21.3	63 E	24*	52*
1 6	23 33.35	−19 25.4	1.719	1.521	34.7	21.3	62 E	25*	50*
1 11	23 46.03	−17 47.5	1.772	1.538	33.6	21.4	60 E	26*	48*
1 16	23 58.39	−16 9.9	1.824	1.555	32.6	21.4	58 E	27*	46*
1 21	0 10.46	−14 32.9	1.876	1.571	31.6	21.5	57 E	28*	44*
		279120 2009 ON_{10}							
12 27	23 6.97	− 1 8.5	1.587	1.588	36.1	20.2	72 E	44*	45*
1 6	23 31.32	+ 2 9.6	1.683	1.612	34.6	20.3	69 E	46*	40*
1 16	23 55.66	+ 5 22.5	1.783	1.640	33.1	20.4	65 E	48*	35*
1 26	0 20.01	+ 8 28.6	1.887	1.671	31.4	20.5	62 E	49*	30*
2 5	0 44.38	+11 26.2	1.993	1.705	29.6	20.6	59 E	48*	27*
2 15	1 8.81	+14 13.9	2.101	1.740	27.8	20.8	55 E	46*	23*
2 25	1 33.33	+16 50.6	2.211	1.778	25.9	20.9	52 E	44*	21*
3 7	1 57.94	+19 15.0	2.321	1.817	24.0	20.9	48 E	41*	18*
3 17	2 22.67	+21 26.4	2.431	1.857	22.1	21.0	44 E	37*	16*
3 27	2 47.49	+23 23.9	2.539	1.898	20.1	21.1	41 E	34*	14*
4 6	3 12.36	+25 7.0	2.645	1.940	18.0	21.2	37 E	30*	12*
4 16	3 37.26	+26 35.4	2.747	1.983	16.0	21.2	33 E	26*	11*
4 26	4 2.11	+27 48.9	2.845	2.026	14.0	21.3	29 E	22*	9*
5 6	4 26.83	+28 47.6	2.938	2.069	11.9	21.3	25 E	18*	7*
5 16	4 51.35	+29 31.6	3.024	2.112	9.9	21.4	21 E	14*	5*
5 26	5 15.56	+30 1.4	3.102	2.155	7.9	21.4	17 E	10*	3*
6 5	5 39.37	+30 17.7	3.173	2.197	6.0	21.4	13 E	7*	—
6 15	6 2.69	+30 21.3	3.235	2.240	4.4	21.4	10 E	4*	—
6 25	6 25.43	+30 13.1	3.286	2.281	3.2	21.4	7 E	1*	—
7 5	6 47.52	+29 54.2	3.328	2.323	3.2	21.5	7 W	1*	—