

EPHEMERIDS OF THE GRAZING OCCULTATION DURING THE LUNAR ECLIPSE

Grazing Occultation of		2119 F6		Magnitude 6.6		Nominal site altitude 0m			
Date 2004 mayo 4		(martes)							
E. Longit.	Latitude	U.T.		Sun	Moon	TanZ	PA	WA	CA
o ' "	o ' "	h	m	Alt	Alt Az		o	o	o
- 2 0 0	44 35 21	21	20	44	17 138	3.26	212.2	197.04	
97.00U 12									
- 1 54 0	44 31 47	21	20	48	17 139	3.24	212.2	197.06	
97.00U 12									
- 1 48 0	44 28 13	21	20	53	17 139	3.22	212.2	197.08	
97.00U 12									
- 1 42 0	44 24 38	21	20	57	17 139	3.20	212.3	197.10	
97.00U 12									
- 1 36 0	44 21 3	21	21	2	17 139	3.18	212.3	197.12	
97.00U 12									
- 1 30 0	44 17 27	21	21	6	18 139	3.16	212.3	197.14	
97.00U 12									
- 1 24 0	44 13 51	21	21	11	18 139	3.14	212.3	197.16	
97.00U 13									
- 1 18 0	44 10 14	21	21	15	18 139	3.12	212.3	197.17	
97.00U 13									
- 1 12 0	44 6 36	21	21	20	18 139	3.10	212.4	197.19	
97.00U 13									
- 1 6 0	44 2 58	21	21	25	18 139	3.08	212.4	197.21	
97.00U 13									
- 1 0 0	43 59 20	21	21	29	18 139	3.06	212.4	197.23	
97.00U 13									
- 0 54 0	43 55 41	21	21	34	18 139	3.04	212.4	197.25	
97.00U 13									
- 0 48 0	43 52 2	21	21	39	18 140	3.03	212.4	197.27	
97.00U 13									
- 0 42 0	43 48 22	21	21	44	18 140	3.01	212.5	197.29	
97.00U 13									
- 0 36 0	43 44 41	21	21	48	18 140	2.99	212.5	197.31	
97.00U 14									
- 0 30 0	43 41 0	21	21	53	19 140	2.97	212.5	197.33	
97.00U 14									
- 0 24 0	43 37 19	21	21	58	19 140	2.95	212.5	197.35	
98.00U 14									
- 0 18 0	43 33 36	21	22	3	19 140	2.94	212.5	197.37	
98.00U 14									
- 0 12 0	43 29 54	21	22	8	19 140	2.92	212.6	197.39	
98.00U 14									
- 0 6 0	43 26 11	21	22	13	19 140	2.90	212.6	197.41	
98.00U 14									
0 0 0	43 22 27	21	22	18	19 140	2.88	212.6	197.43	
98.00U 14									
0 6 0	43 18 43	21	22	23	19 140	2.87	212.6	197.45	
98.00U 14									
0 12 0	43 14 58	21	22	28	19 140	2.85	212.6	197.47	
98.00U 15									
0 18 0	43 11 13	21	22	33	19 141	2.83	212.7	197.49	
98.00U 15									
0 24 0	43 7 27	21	22	38	20 141	2.82	212.7	197.51	
98.00U 15									
0 30 0	43 3 41	21	22	44	20 141	2.80	212.7	197.52	

Path coordinates are referred to WGS84 (as used by GPS).

Librations Long -2.22 Lat +1.15
P +198.0 D +2.0
Illumination of moon 19%E
Elongation of Moon 178
Vertical Profile Scale 2.29 km/arcsec at mean distance of moon
Horizontal Scale Factor 1.71 deg/min

Limiting Magnitudes for various telescope apertures (in mm)

CA\Tdia	50	100	150	200	250	300	350
96.0	10.6	11.2	11.9	12.5	13.1	13.8	14.4
98.0	10.6	11.2	11.9	12.5	13.1	13.8	14.4
100.0	10.6	11.2	11.9	12.5	13.1	13.8	14.4
102.0	10.6	11.2	11.9	12.5	13.1	13.8	14.4
104.0	10.6	11.2	11.9	12.5	13.1	13.8	14.4



