

IV. - Annular Eclipse of the Sun

2006 September 22



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$\Delta T = +65^s 0$
Globe centred on W 6°6' and S 17°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	8	39.9	W 41	51.5	N 14	17.0
Beginning of northern limit of penumbra	9	43.1	W 57	48.3	N 38	47.1
Beginning of northern limit of umbra	9	50.3	W 59	25.4	N 6	41.8
Beginning of centre line; central eclipse begins	9	51.5	W 59	42.5	N 5	15.5
Beginning of southern limit of umbra	9	52.8	W 60	00.7	N 3	48.3
Beginning of southern limit of penumbra	11	15.1	W 80	15.5	S 48	50.7
End of southern limit of penumbra	12	04.5	W 92	05.4	S 72	44.9
Central eclipse at local apparent noon	12	07.2	W 3	36.2	S 27	39.5
End of southern limit of umbra	13	27.3	E 66	01.3	S 54	51.1
End of centre line; central eclipse ends	13	28.5	E 65	43.5	S 53	24.2
End of northern limit of umbra	13	29.7	E 65	26.7	S 51	58.3
End of northern limit of penumbra	13	37.5	E 63	43.9	S 19	55.4
⊙ Eclipse ends; last contact with Earth	14	40.2	E 47	54.2	S 44	24.1