

I. - Total Eclipse of the Sun

1731 January 08



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$\Delta T = +11^m 30^s$
Globe centred on E 26°3' and S 19°0'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	7 39.0	W 27 36.0	S 11 10.0
Beginning of northern limit of umbra	8 34.4	W 41 02.8	S 10 12.1
Beginning of centre line; central eclipse begins	8 34.5	W 41 14.5	S 10 36.0
Beginning of southern limit of umbra	8 34.7	W 41 26.4	S 10 59.8
Beginning of northern limit of penumbra	8 43.7	W 30 45.6	N 19 33.7
Beginning of southern limit of penumbra	8 56.0	W 62 04.1	S 39 38.1
Central eclipse at local apparent noon	10 18.3	E 27 13.7	S 20 34.8
End of southern limit of penumbra	11 39.2	E 103 37.8	S 15 43.3
End of northern limit of penumbra	11 51.1	E 71 21.3	N 43 14.5
End of southern limit of umbra	12 00.4	E 86 01.6	N 13 34.2
End of centre line; central eclipse ends	12 00.5	E 85 49.4	N 13 58.3
End of northern limit of umbra	12 00.6	E 85 37.2	N 14 22.4
⊙ Eclipse ends; last contact with Earth	12 56.0	E 72 11.4	N 13 24.4