

# IV. - Total Eclipse of the Sun

1800 October 18



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$\Delta T = +13^s 5$   
Globe centred on E 29°9' and S 33°0'

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	6 20.5	W 7 56.0	N 5 04.5
Beginning of northern limit of penumbra	7 01.5	W 14 36.4	N 24 43.8
Beginning of northern limit of umbra	7 25.1	W 26 17.2	S 7 52.7
Beginning of centre line; central eclipse begins	7 25.4	W 26 25.0	S 8 09.7
Beginning of southern limit of umbra	7 25.8	W 26 33.0	S 8 26.8
Central eclipse at local apparent noon	9 23.0	E 35 34.5	S 50 27.5
End of southern limit of umbra	10 17.1	E 130 13.0	S 61 30.3
End of centre line; central eclipse ends	10 17.5	E 129 54.2	S 61 13.1
End of northern limit of umbra	10 17.9	E 129 35.9	S 60 55.9
End of northern limit of penumbra	10 41.7	E 111 17.5	S 29 01.7
⊙ Eclipse ends; last contact with Earth	11 22.5	E 106 43.2	S 48 26.2