

# I. - Total Eclipse of the Sun

1766 February 09



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$\Delta T = +16^{\circ}0$   
Globe centred on E 16°0 and S 41°0

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	9 44.7	W 69 05.2	S 47 37.4
Beginning of northern limit of penumbra	10 19.8	W 70 01.7	S 30 18.4
Beginning of northern limit of umbra	10 51.0	W 97 44.7	S 61 32.6
Beginning of centre line; central eclipse begins	10 51.5	W 98 25.0	S 61 56.1
Beginning of southern limit of umbra	10 52.2	W 99 06.3	S 62 19.6
Central eclipse at local apparent noon	11 38.5	E 9 02.0	S 61 13.7
End of southern limit of umbra	13 27.1	E 76 27.6	S 17 02.3
End of centre line; central eclipse ends	13 27.7	E 76 11.2	S 16 36.0
End of northern limit of umbra	13 28.3	E 75 55.1	S 16 09.9
End of northern limit of penumbra	13 59.2	E 59 24.5	N 16 43.0
⊙ Eclipse ends; last contact with Earth	14 34.5	E 55 20.3	S 1 04.9