

IV. - Total Eclipse of the Sun

1871 December 12



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$\Delta T = -0^s 9$
Globe centred on E 119°9' and S 11°0'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	1 26.1	E 73 43.9	N 15 40.9
Beginning of centre line; central eclipse begins	2 22.3	E 61 17.8	N 19 04.9
Beginning of northern limit of umbra	2 22.3	E 61 29.3	N 19 29.2
Beginning of southern limit of umbra	2 22.3	E 61 06.2	N 18 40.7
Beginning of southern limit of penumbra	2 35.5	E 45 26.9	S 9 31.2
Beginning of northern limit of penumbra	2 44.3	E 77 39.4	N 49 51.3
Central eclipse at local apparent noon	4 00.3	E 118 21.0	S 12 23.7
End of northern limit of penumbra	5 23.2	E 171 46.3	N 32 40.0
End of southern limit of penumbra	5 31.7	W 161 26.4	S 27 58.0
End of southern limit of umbra	5 45.0	W 177 50.8	N 0 03.2
End of northern limit of umbra	5 45.0	W 178 11.8	N 0 52.8
End of centre line; central eclipse ends	5 45.0	W 178 01.4	N 0 28.0
⊙ Eclipse ends; last contact with Earth	6 41.1	E 169 24.4	S 2 57.9