

V. - Total Eclipse of the Sun

1814 July 17



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$\Delta T = +12^s.5$
Globe centred on E 84°2 and N 26°6

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	3 53.5	E 29 09.9	N 9 47.4
Beginning of southern limit of penumbra	4 45.3	E 26 22.5	S 15 40.6
Beginning of southern limit of umbra	4 48.2	E 14 34.6	N 12 03.0
Beginning of centre line; central eclipse begins	4 48.7	E 14 06.8	N 12 52.5
Beginning of northern limit of umbra	4 49.2	E 13 38.4	N 13 42.1
Beginning of northern limit of penumbra	5 21.9	W 11 19.8	N 44 07.8
Central eclipse at local apparent noon	6 29.0	E 84 09.8	N 30 58.8
End of northern limit of penumbra	7 38.7	E 173 30.0	N 36 28.7
End of northern limit of umbra	8 11.4	E 150 45.0	N 5 34.0
End of centre line; central eclipse ends	8 11.9	E 150 17.8	N 4 44.6
End of southern limit of umbra	8 12.4	E 149 51.0	N 3 55.3
End of southern limit of penumbra	8 15.2	E 137 43.5	S 23 45.1
⊙ Eclipse ends; last contact with Earth	9 07.1	E 135 17.1	N 1 38.9