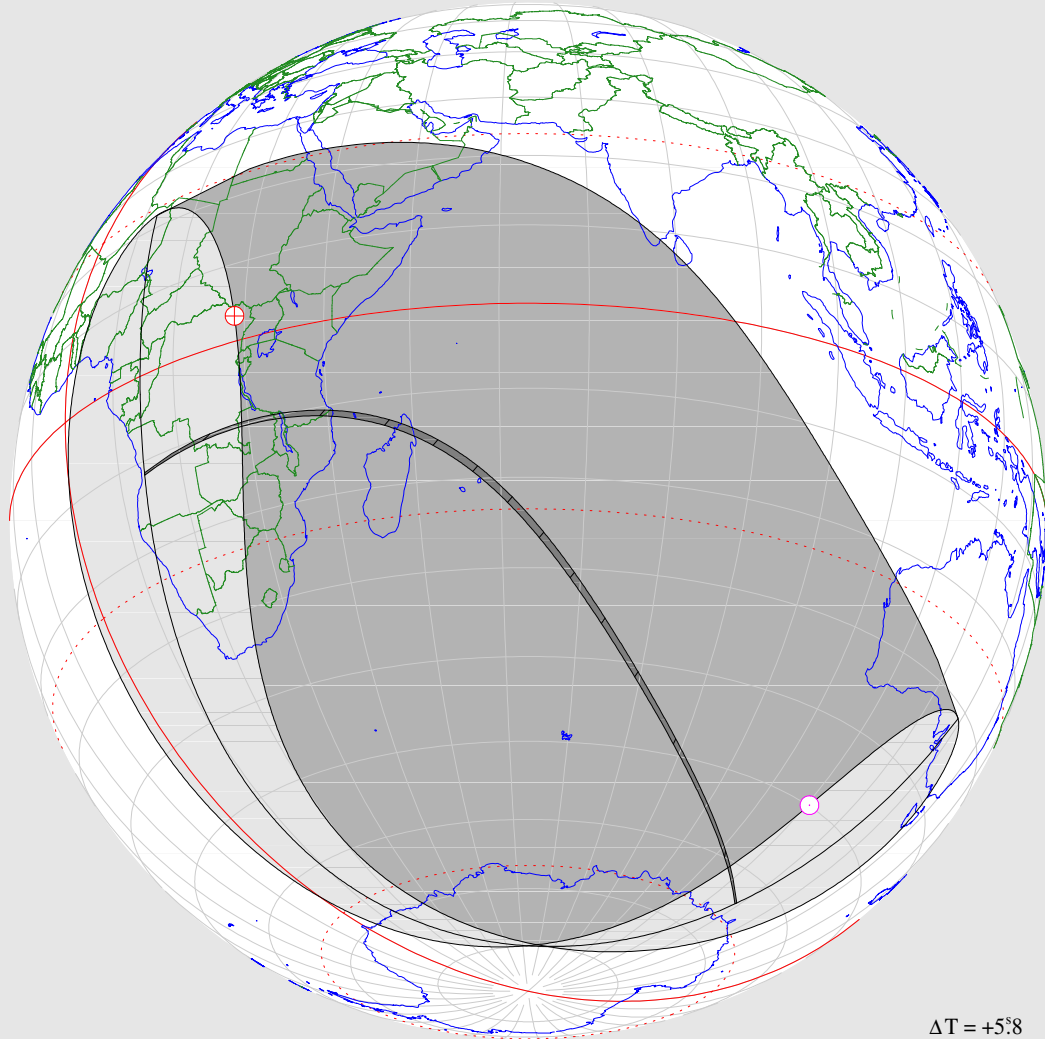


IV. - Total Eclipse of the Sun

1840 August 27



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$\Delta T = +5^s 8$
Globe centred on E 63°2' and S 24°8'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	4 04.5	E 28 39.6	N 3 09.7
Beginning of northern limit of penumbra	4 54.4	E 12 35.9	N 22 08.7
Beginning of northern limit of umbra	5 12.6	E 14 13.4	S 11 16.7
Beginning of centre line; central eclipse begins	5 12.7	E 14 12.6	S 11 25.5
Beginning of southern limit of umbra	5 12.9	E 14 11.9	S 11 34.3
Central eclipse at local apparent noon	7 11.7	E 72 24.0	S 34 29.5
End of southern limit of umbra	8 01.6	E 128 40.5	S 63 58.2
End of centre line; central eclipse ends	8 01.8	E 128 45.1	S 63 51.3
End of northern limit of umbra	8 01.9	E 128 49.8	S 63 44.5
End of northern limit of penumbra	8 20.5	E 139 03.5	S 31 09.9
⊙ Eclipse ends; last contact with Earth	9 10.2	E 120 39.1	S 49 53.4