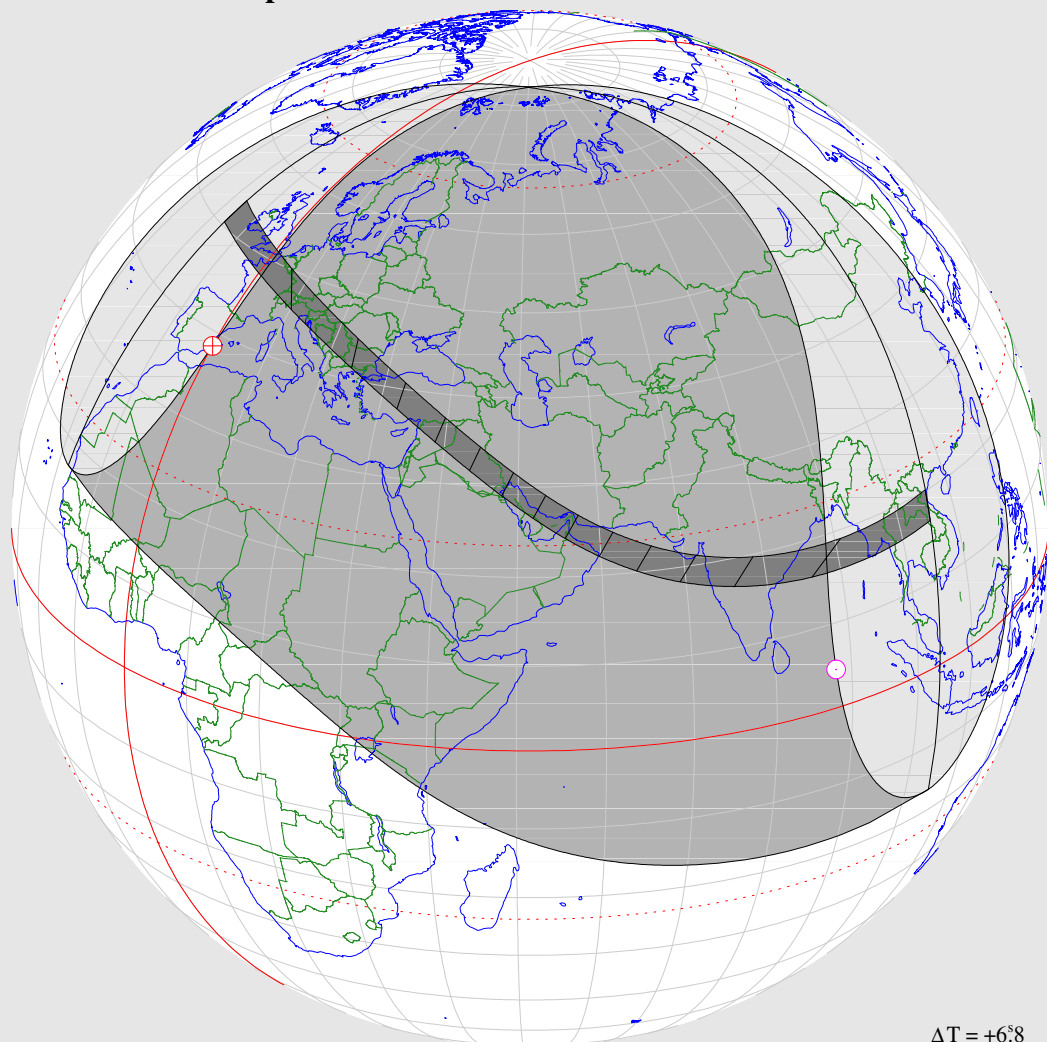


IV. - Annular Eclipse of the Sun

1847 October 09



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$\Delta T = +6^s.8$
Globe centred on E 51°5' and N 25°4'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	[°] /	[°] /
⊕ Eclipse begins; first contact with Earth	6 06.6	E 0 03.3	N 38 27.7
Beginning of southern limit of penumbra	7 04.9	W 17 26.7	N 17 22.0
Beginning of southern limit of umbra	7 21.5	W 16 08.2	N 50 23.1
Beginning of centre line; central eclipse begins	7 23.4	W 16 08.9	N 52 03.8
Beginning of northern limit of umbra	7 25.4	W 16 08.6	N 53 46.4
Central eclipse at local apparent noon	8 39.3	E 47 02.3	N 31 14.8
End of northern limit of umbra	10 35.3	E 105 46.9	N 20 03.8
End of centre line; central eclipse ends	10 37.3	E 105 29.5	N 18 19.9
End of southern limit of umbra	10 39.2	E 105 13.5	N 16 38.2
End of southern limit of penumbra	10 55.6	E 104 47.4	S 16 32.4
⊙ Eclipse ends; last contact with Earth	11 54.0	E 87 50.7	N 4 37.3