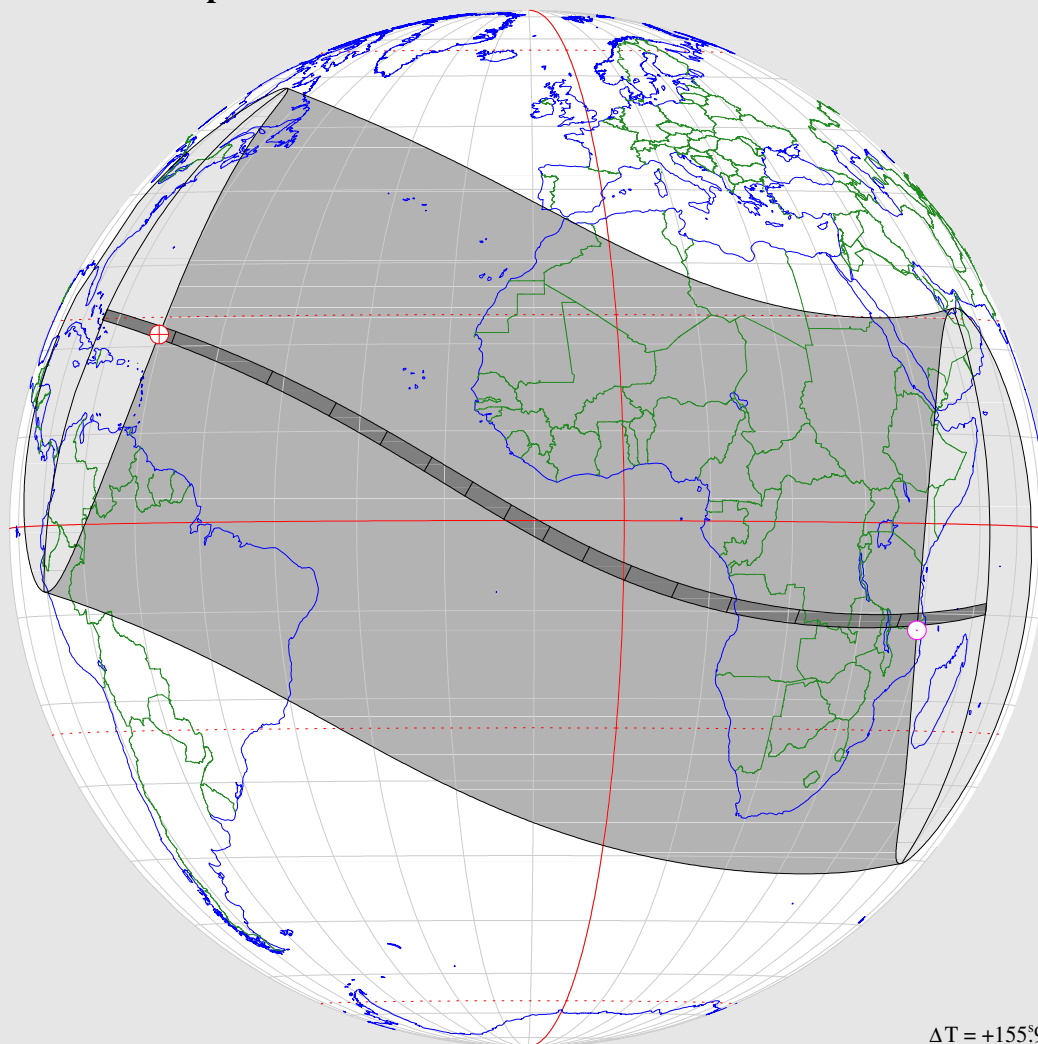


V. - Total Eclipse of the Sun

1586 October 12



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$\Delta T = +155^s 9$
Globe centred on W 10°7' and S 0°9'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	10 00.4	W 60 32.7	N 21 25.3
Beginning of southern limit of umbra	10 55.8	W 74 05.3	N 23 20.8
Beginning of centre line; central eclipse begins	10 55.9	W 74 00.6	N 23 58.3
Beginning of northern limit of umbra	10 56.0	W 73 56.1	N 24 36.0
Beginning of southern limit of penumbra	11 06.6	W 80 56.2	S 7 18.5
Beginning of northern limit of penumbra	11 18.6	W 71 11.2	N 57 43.6
Central eclipse at local apparent noon	12 34.0	W 11 49.8	N 0 17.1
End of northern limit of penumbra	13 57.5	E 53 50.6	N 24 45.9
End of southern limit of penumbra	14 09.0	E 60 46.9	S 40 31.3
End of northern limit of umbra	14 19.9	E 52 49.2	S 8 42.4
End of centre line; central eclipse ends	14 20.0	E 52 52.8	S 9 19.8
End of southern limit of umbra	14 20.0	E 52 56.8	S 9 57.2
⊙ Eclipse ends; last contact with Earth	15 15.4	E 39 22.2	S 11 53.2