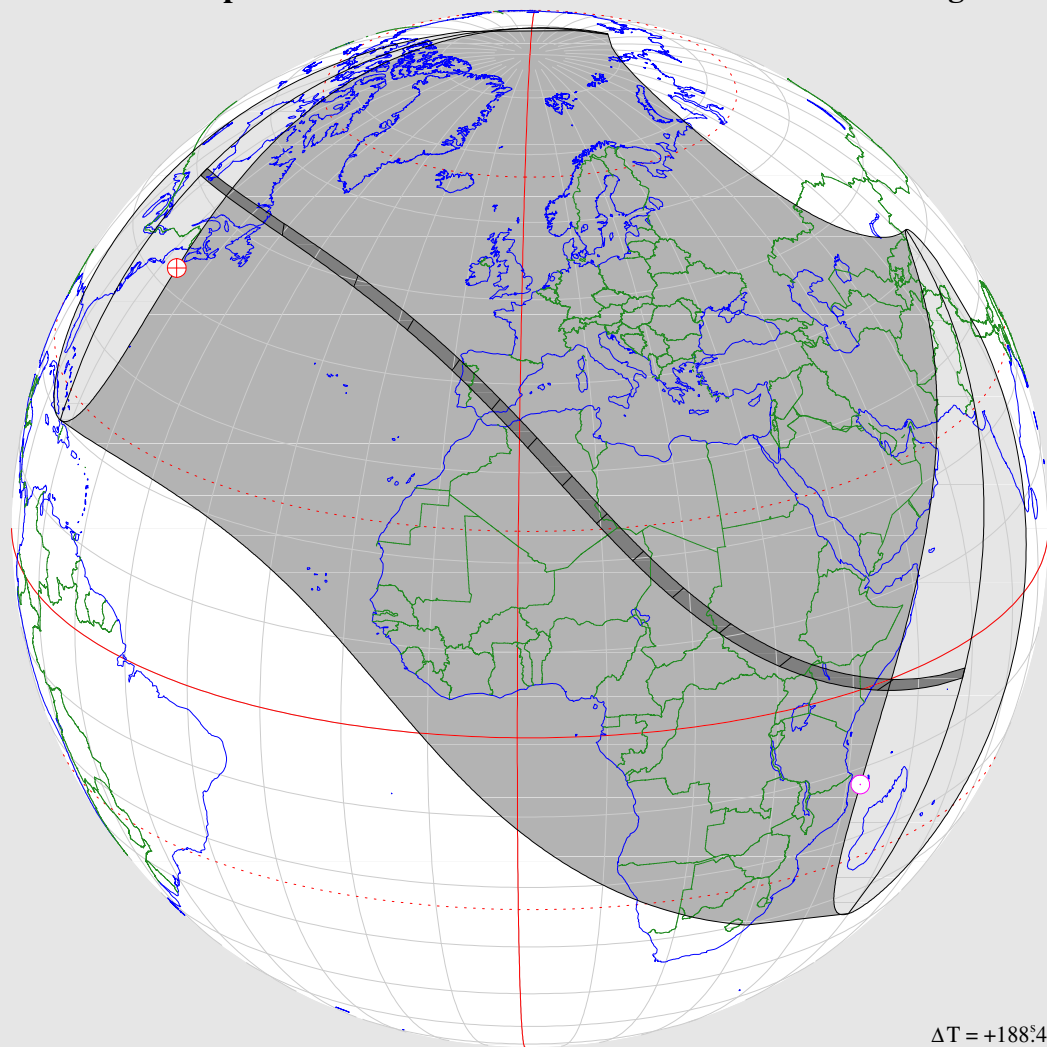


III. - Total Eclipse of the Sun

1560 August 21



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$\Delta T = +188^s.4$
Globe centred on E 1°4' and N 23°8'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	9 51.8	W 65 59.7	N42 25.6
Beginning of southern limit of penumbra	10 39.4	W 73 03.4	N19 52.6
Beginning of southern limit of umbra	10 51.3	W 83 29.3	N50 23.1
Beginning of centre line; central eclipse begins	10 51.8	W 83 47.1	N50 52.8
Beginning of northern limit of umbra	10 52.2	W 84 05.4	N51 22.5
Beginning of northern limit of penumbra	11 54.9	E 136 01.6	N77 48.7
Central eclipse at local apparent noon	12 05.5	W 1 24.7	N36 03.3
End of northern limit of penumbra	13 01.2	E 82 44.5	N42 46.3
End of northern limit of umbra	14 03.5	E 58 35.8	S 3 10.5
End of centre line; central eclipse ends	14 03.9	E 58 24.2	S 3 42.0
End of southern limit of umbra	14 04.4	E 58 12.9	S 4 13.3
End of southern limit of penumbra	14 15.9	E 49 54.2	S34 53.9
⊙ Eclipse ends; last contact with Earth	15 03.8	E 42 06.3	S 12 16.8