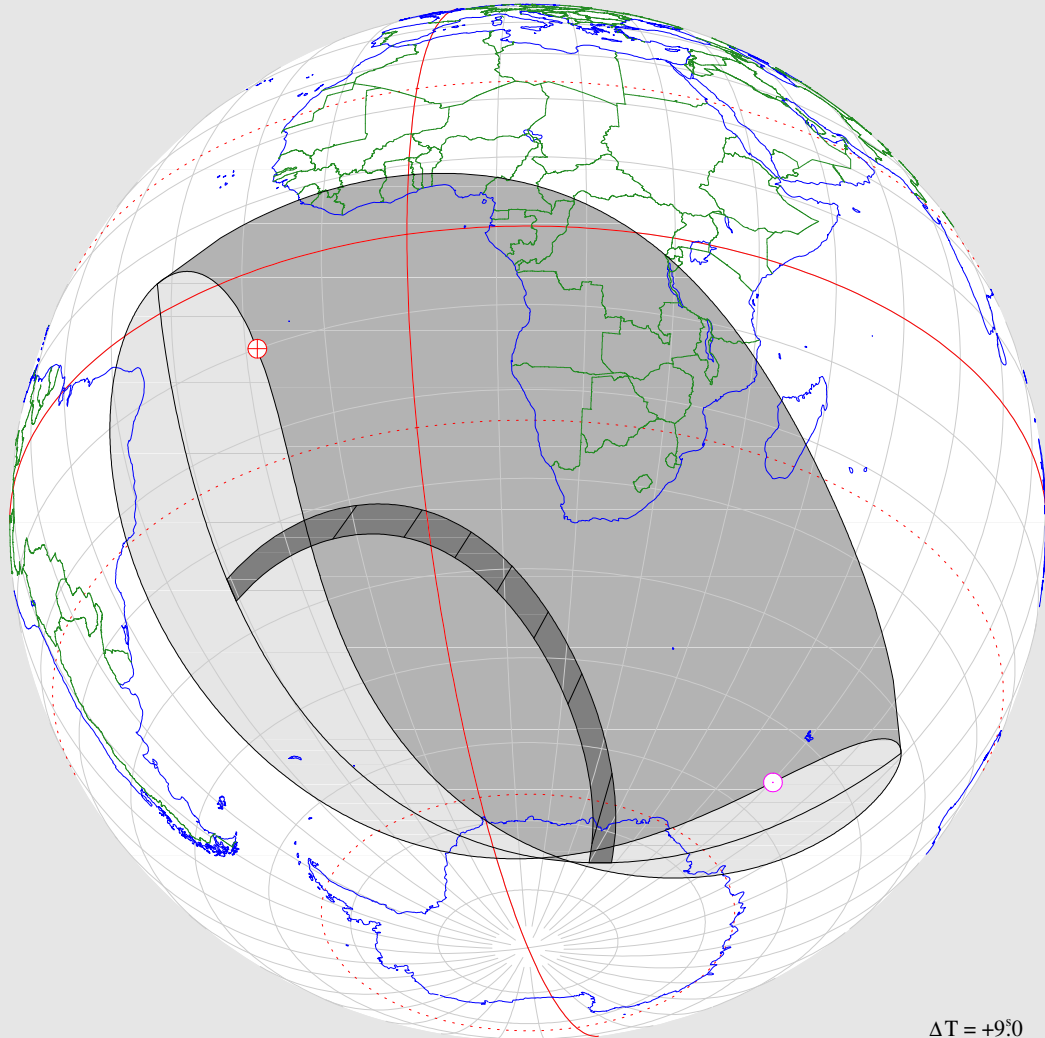


IV. - Total Eclipse of the Sun

1692 August 12



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$\Delta T = +9^s 0$
Globe centred on E 13°5' and S 34°9'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	7 29.1	W 18 30.9	S 9 59.6
Beginning of northern limit of penumbra	8 09.0	W 32 18.9	N 4 25.1
Beginning of northern limit of umbra	8 46.9	W 30 38.2	S 33 27.4
Beginning of centre line; central eclipse begins	8 48.9	W 30 38.5	S 34 45.0
Beginning of southern limit of umbra	8 51.1	W 30 38.5	S 36 05.8
Central eclipse at local apparent noon	10 21.1	E 25 49.1	S 57 11.7
End of southern limit of umbra	10 30.3	E 39 59.4	S 74 42.2
End of centre line; central eclipse ends	10 32.5	E 44 29.8	S 74 15.3
End of northern limit of umbra	10 34.5	E 48 32.5	S 73 43.3
End of northern limit of penumbra	11 12.6	E 89 15.7	S 42 01.5
⊙ Eclipse ends; last contact with Earth	11 52.4	E 70 25.5	S 55 39.9