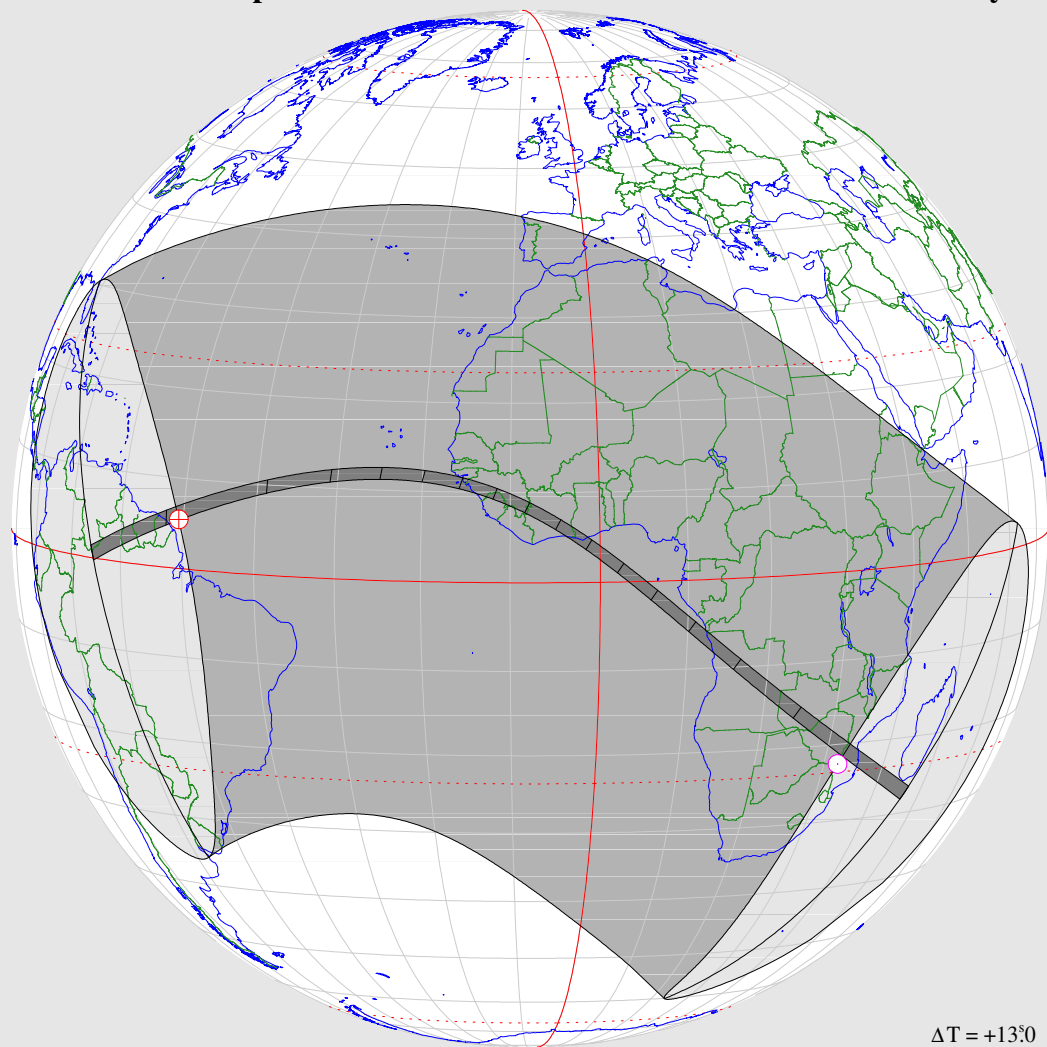


V. - Annular Eclipse of the Sun

1749 July 14



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$\Delta T = +13^s$
Globe centred on W 7°8' and N 6°0'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	9 19.4	W 50 41.0	N 5 26.0
Beginning of northern limit of umbra	10 26.0	W 65 43.7	N 1 22.7
Beginning of centre line; central eclipse begins	10 26.1	W 65 26.2	N 0 34.8
Beginning of southern limit of umbra	10 26.2	W 65 08.8	S 0 13.2
Beginning of northern limit of penumbra	10 39.0	W 81 53.4	N 30 20.9
Beginning of southern limit of penumbra	11 01.3	W 57 28.1	S 35 36.3
Central eclipse at local apparent noon	12 26.8	W 5 23.0	N 6 51.6
End of southern limit of penumbra	13 36.5	E 23 32.9	S 60 05.1
End of northern limit of penumbra	13 59.3	E 62 32.5	N 2 38.1
End of southern limit of umbra	14 11.9	E 46 08.7	S 28 02.1
End of centre line; central eclipse ends	14 12.0	E 46 31.6	S 27 14.2
End of northern limit of umbra	14 12.1	E 46 54.3	S 26 26.4
⊙ Eclipse ends; last contact with Earth	15 18.9	E 32 09.5	S 22 28.1