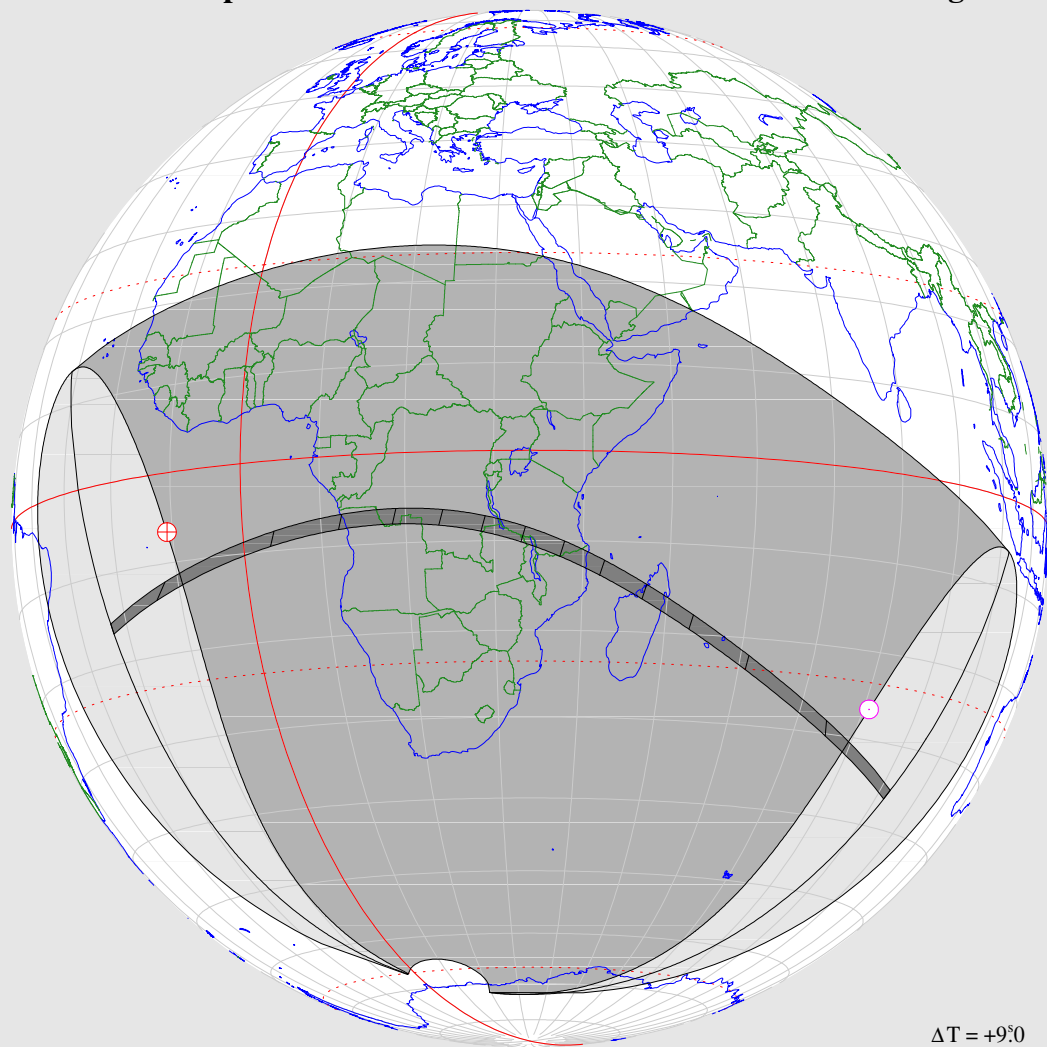


III. - Total Eclipse of the Sun

1701 August 04



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ΔT = +9⁰
Globe centred on E 34°0 and S 8°7

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	6 57.1	W 10 49.5	S 6 34.6
Beginning of northern limit of penumbra	7 54.1	W 31 40.5	N14 10.8
Beginning of northern limit of umbra	7 57.6	W 23 03.2	S 15 26.6
Beginning of centre line; central eclipse begins	7 57.9	W 22 57.0	S 16 01.5
Beginning of southern limit of umbra	7 58.3	W 22 50.9	S 16 36.7
Beginning of southern limit of penumbra	9 20.5	W 2 24.2	S 66 39.9
Central eclipse at local apparent noon	9 40.4	E 36 17.0	S 10 21.5
End of southern limit of penumbra	9 42.3	E 19 29.7	S 71 59.2
End of southern limit of umbra	11 04.7	E 91 56.1	S 36 22.5
End of centre line; central eclipse ends	11 05.1	E 92 07.3	S 35 47.2
End of northern limit of umbra	11 05.5	E 92 18.4	S 35 12.1
End of northern limit of penumbra	11 09.0	E 102 17.6	S 5 51.2
⊙ Eclipse ends; last contact with Earth	12 05.9	E 80 58.1	S 26 30.4