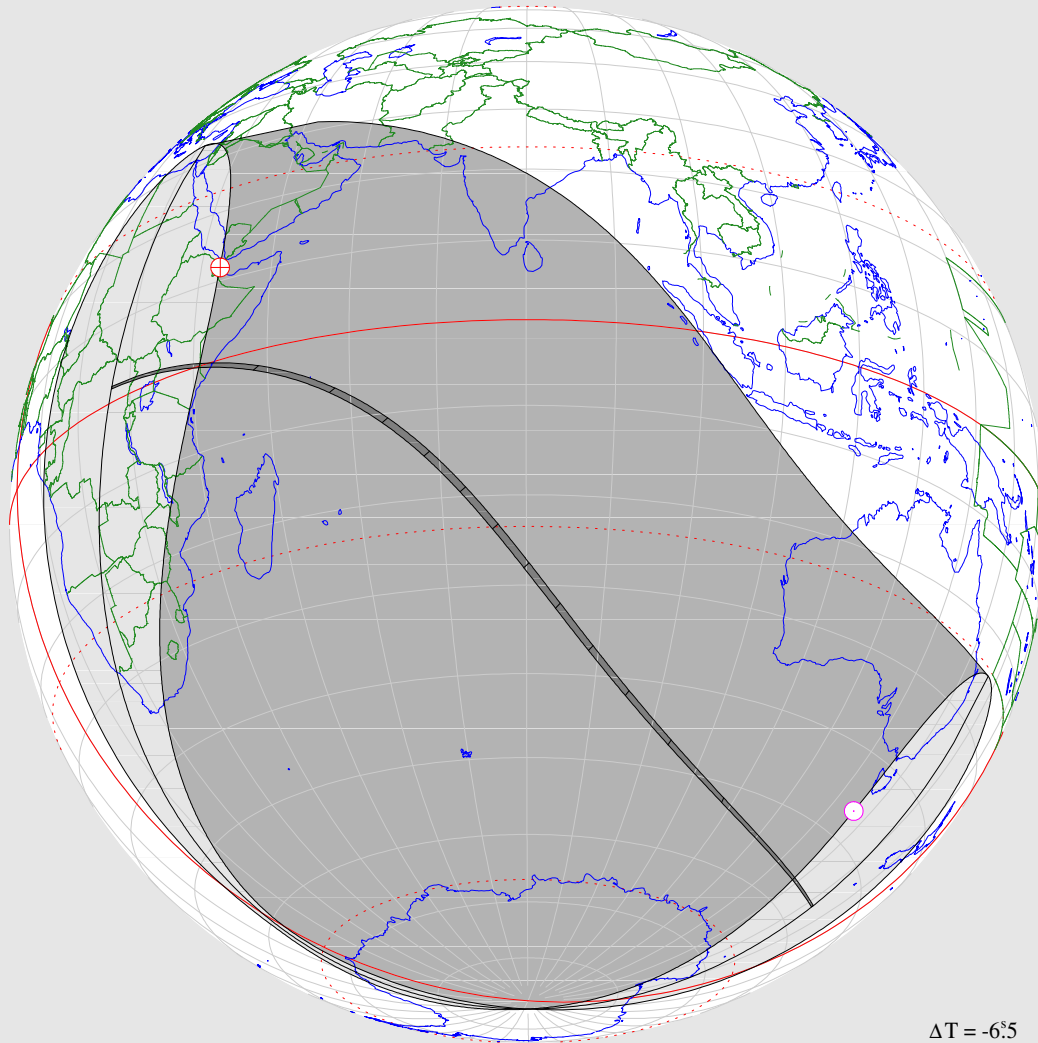


IV. - Total Eclipse of the Sun

1894 September 29



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$\Delta T = -6^s 5$
Globe centred on E 80°2' and S 23°3'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	3 01.0	E 42 50.4	N 11 51.1
Beginning of northern limit of penumbra	3 51.2	E 31 24.8	N 34 07.7
Beginning of northern limit of umbra	4 03.7	E 26 46.0	N 1 57.5
Beginning of centre line; central eclipse begins	4 03.8	E 26 43.6	N 1 48.4
Beginning of southern limit of umbra	4 03.9	E 26 41.3	N 1 39.4
Central eclipse at local apparent noon	6 06.3	E 86 00.5	S 34 10.0
End of southern limit of umbra	7 14.1	E 162 44.7	S 56 31.2
End of centre line; central eclipse ends	7 14.2	E 162 41.9	S 56 23.6
End of northern limit of umbra	7 14.3	E 162 39.2	S 56 16.0
End of northern limit of penumbra	7 27.2	E 156 52.8	S 24 08.2
⊙ Eclipse ends; last contact with Earth	8 17.1	E 145 52.2	S 46 23.1