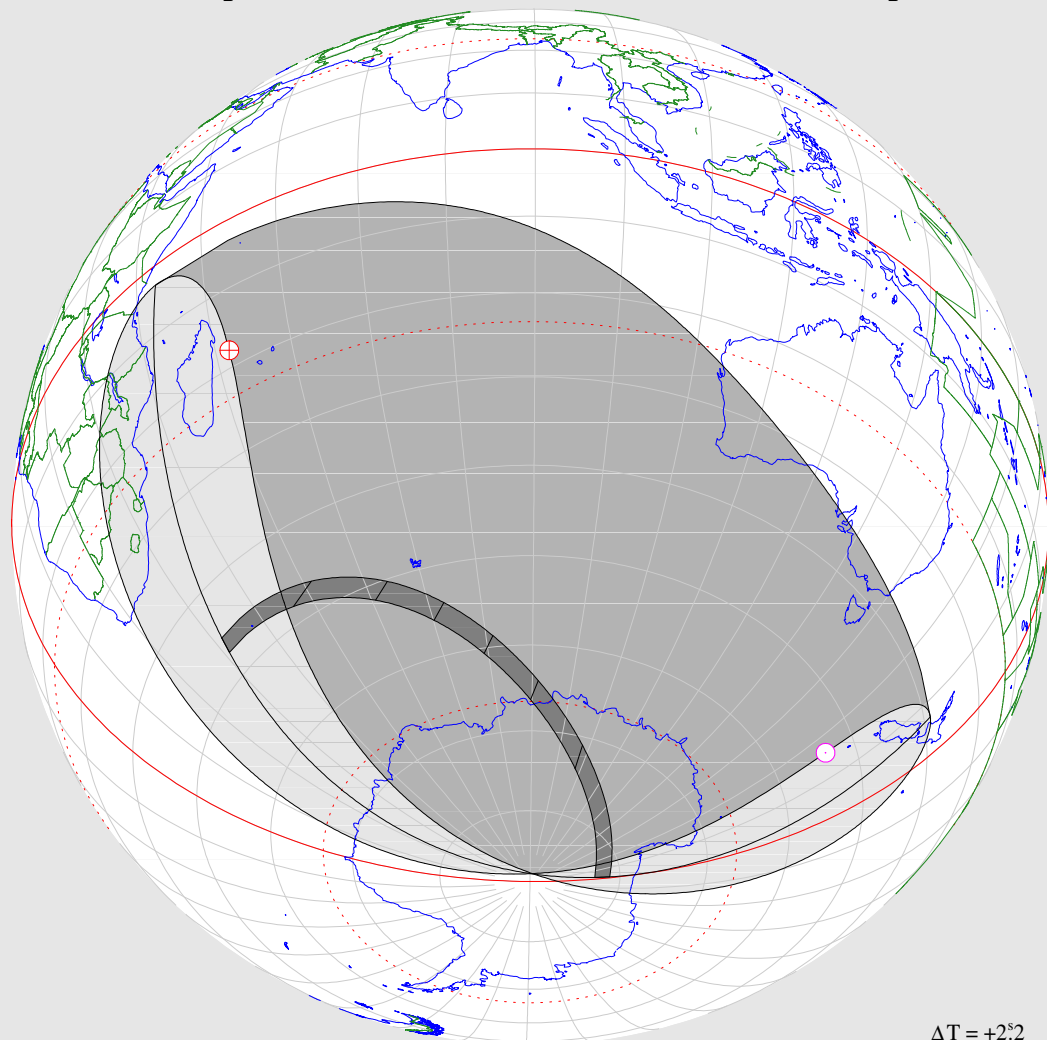


III. - Total Eclipse of the Sun

1903 September 21



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$\Delta T = +2^s.2$
Globe centred on E 89°4 and S 46°8

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	2 27.7	E 51 51.2	S 17 51.6
Beginning of northern limit of penumbra	3 01.6	E 43 03.2	S 3 04.1
Beginning of northern limit of umbra	3 52.1	E 31 34.5	S 45 23.3
Beginning of centre line; central eclipse begins	3 53.5	E 31 15.5	S 46 14.9
Beginning of southern limit of umbra	3 55.0	E 30 55.7	S 47 08.1
Central eclipse at local apparent noon	5 10.4	E 100 47.5	S 69 52.2
End of southern limit of umbra	5 24.3	E 177 55.3	S 82 49.3
End of centre line; central eclipse ends	5 25.7	E 178 34.8	S 81 58.1
End of northern limit of umbra	5 27.1	E 179 02.1	S 81 08.4
End of northern limit of penumbra	6 17.9	E 172 57.3	S 38 59.2
⊙ Eclipse ends; last contact with Earth	6 51.7	E 163 52.1	S 53 42.6