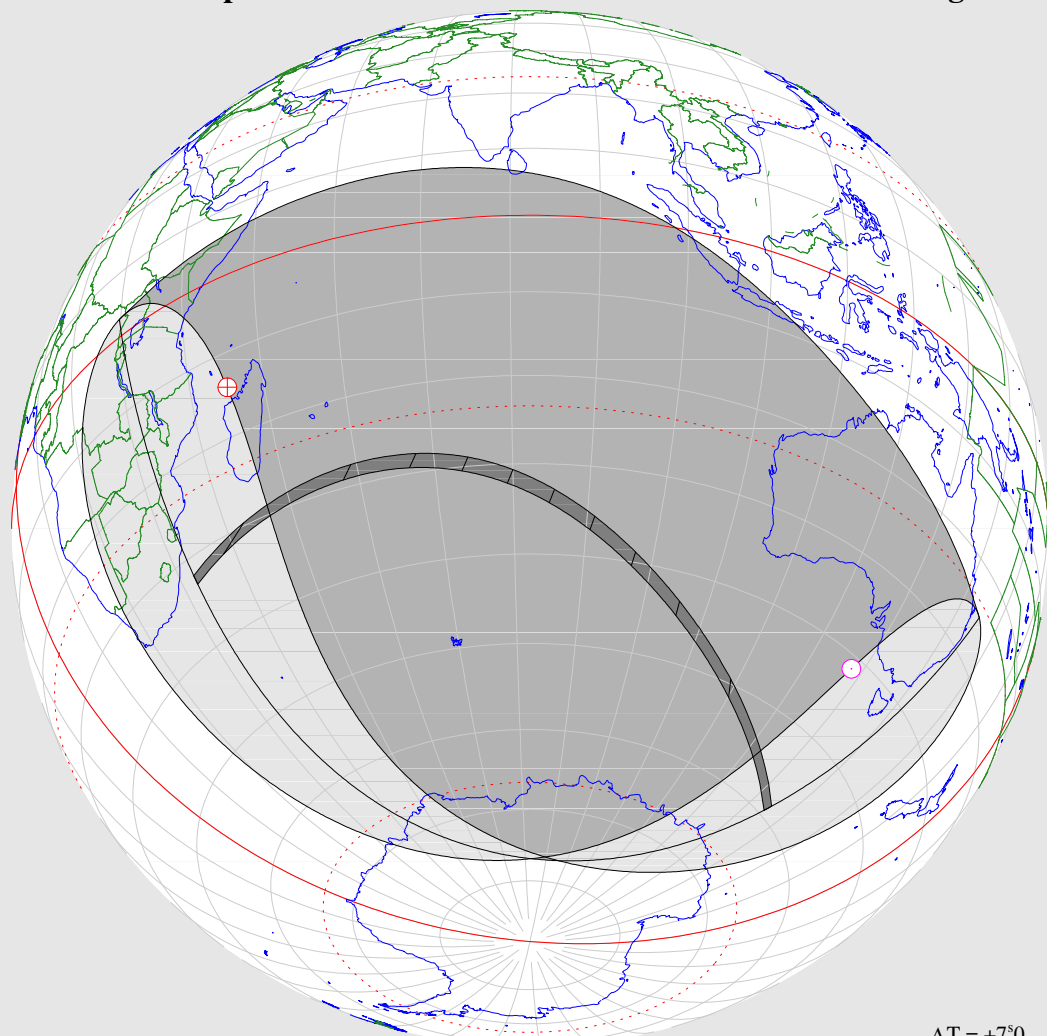


III. - Total Eclipse of the Sun

1849 August 18



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$\Delta T = +7^s 0$
Globe centred on E 82°2' and S 37°2'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	3 16.6	E 45 09.8	S 14 11.0
Beginning of northern limit of penumbra	4 02.3	E 29 45.0	N 2 33.8
Beginning of northern limit of umbra	4 27.9	E 32 20.8	S 31 57.4
Beginning of centre line; central eclipse begins	4 28.6	E 32 20.9	S 32 28.9
Beginning of southern limit of umbra	4 29.3	E 32 21.0	S 33 00.8
Central eclipse at local apparent noon	6 00.2	E 90 51.7	S 36 17.9
End of southern limit of umbra	6 51.9	E 144 40.8	S 59 23.7
End of centre line; central eclipse ends	6 52.6	E 144 58.1	S 58 55.2
End of northern limit of umbra	6 53.2	E 145 14.6	S 58 27.0
End of northern limit of penumbra	7 19.1	E 154 56.4	S 24 49.5
⊙ Eclipse ends; last contact with Earth	8 04.7	E 137 53.4	S 41 20.8