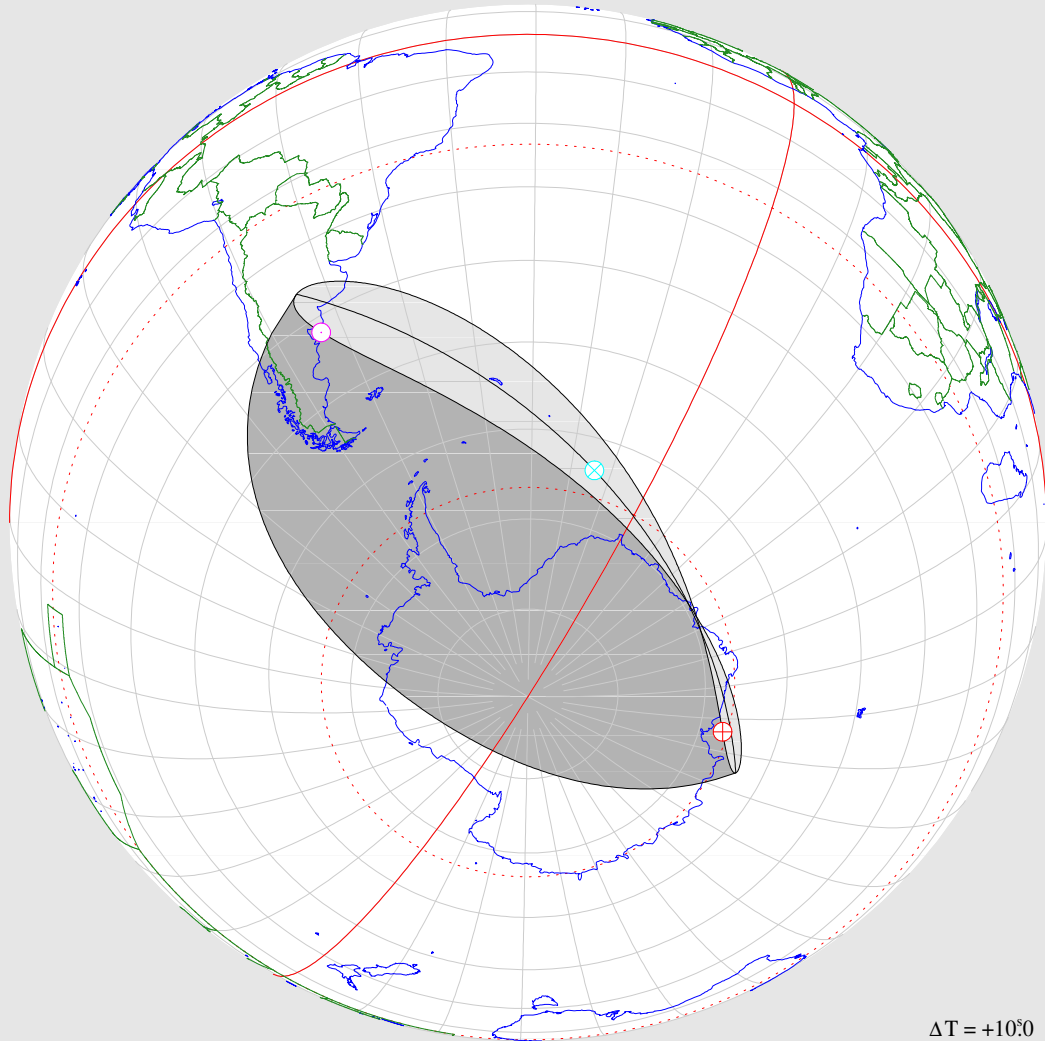


I. - Partial Eclipse of the Sun

1711 January 18



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$\Delta T = +10^s$
Globe centred on W 30°9' and S 70°4'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	21 04.2	E 74 02.0	S 67 08.2
Beginning of northern limit of penumbra	21 16.1	E 84 52.3	S 63 33.5
⊗ Greatest eclipse (magnitude = 0.3075)	22 23.4	W 14 09.2	S 63 35.0
End of northern limit of penumbra	23 31.2	W 64 19.9	S 35 51.3
○ Eclipse ends; last contact with Earth	23 43.1	W 63 20.4	S 41 57.3