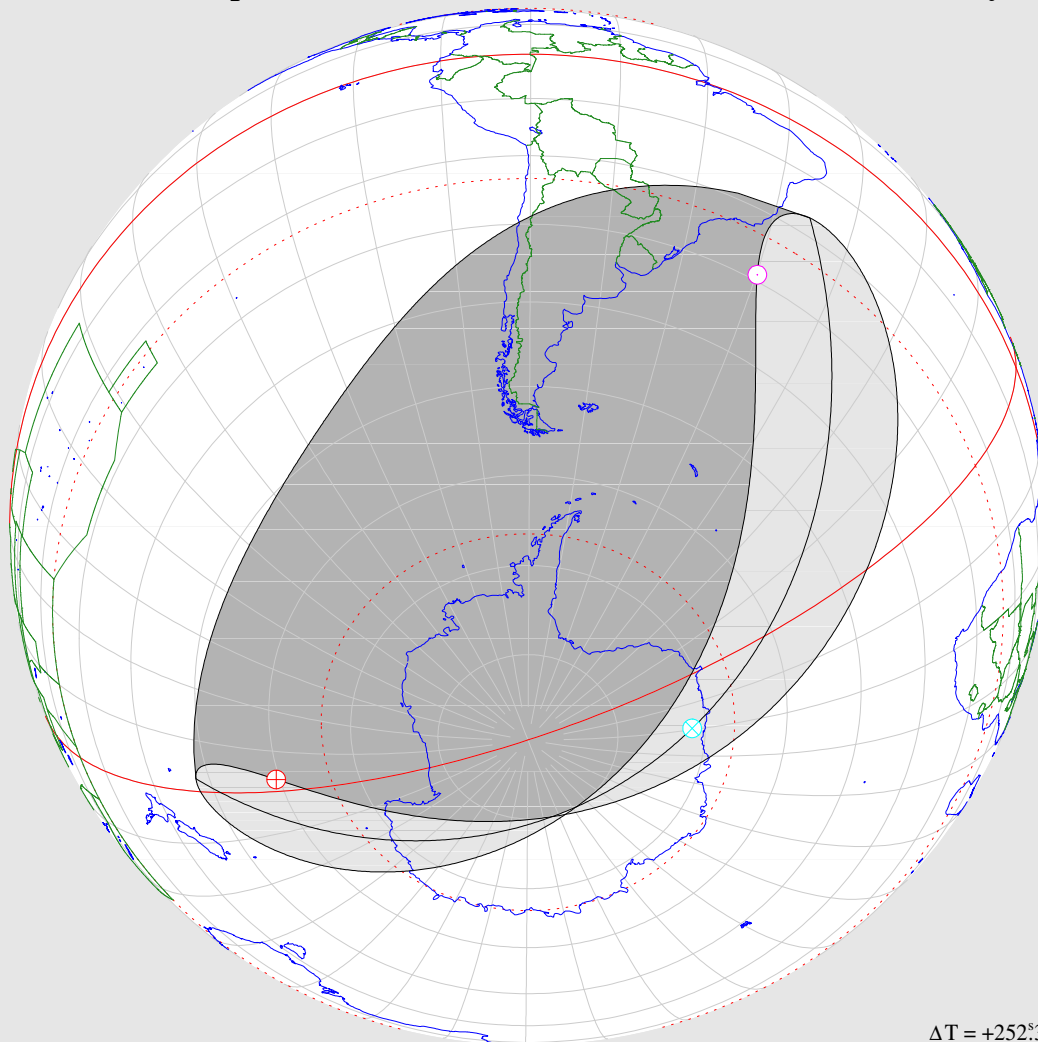


II. - Partial Eclipse of the Sun

1515 February 13



©HM Nautical Almanac Office

$\Delta T = +252^{\text{s}}.3$
Globe centred on W 70°3' and S 65°7'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	16 52.3	W177 01.9	S 59 31.0
Beginning of northern limit of penumbra	17 19.3	W177 33.0	S 47 52.2
⊗ Greatest eclipse (magnitude = 0.7582)	19 04.1	E 19 28.4	S 71 31.9
End of northern limit of penumbra	20 49.1	W 35 37.9	S 17 04.6
○ Eclipse ends; last contact with Earth	21 16.2	W 39 51.6	S 29 08.1