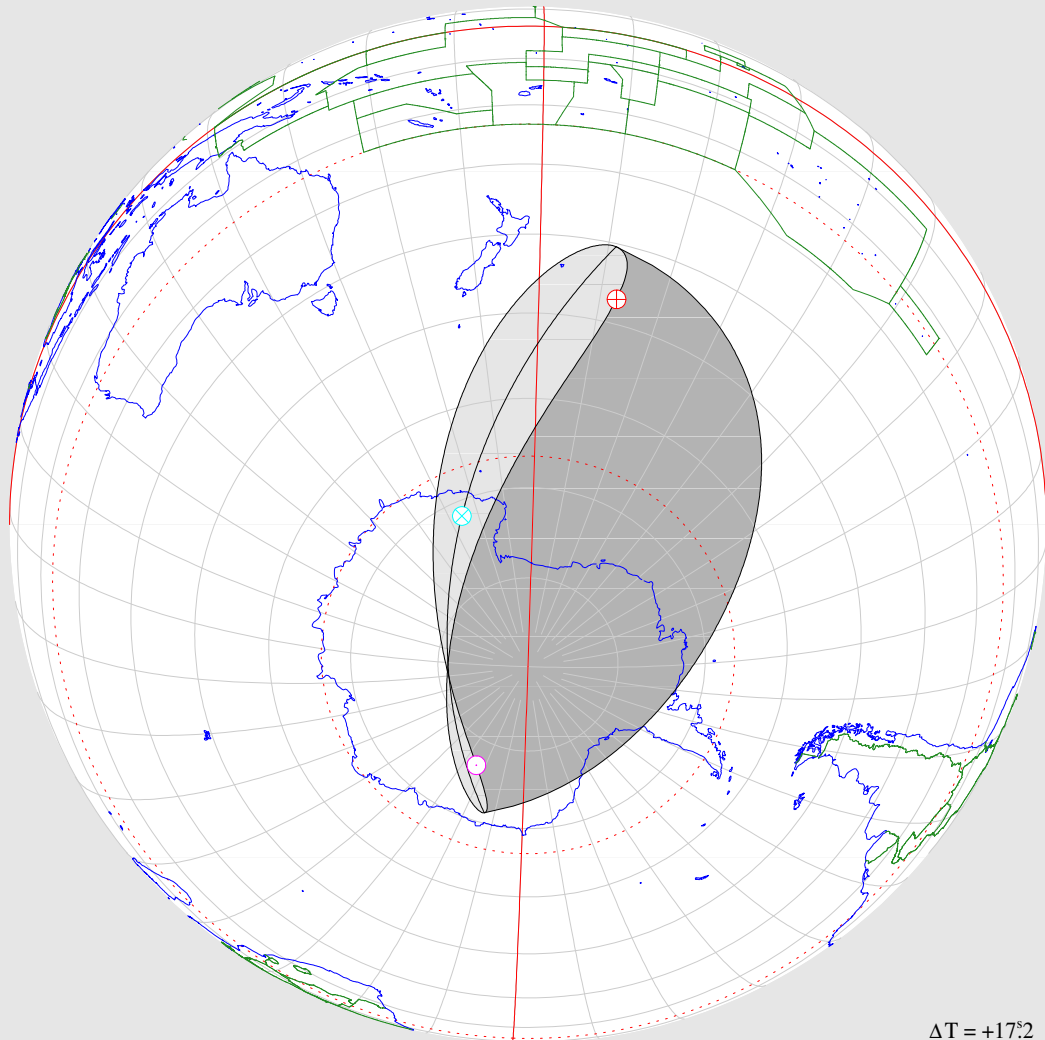


IV. - Partial Eclipse of the Sun

1678 October 15



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$\Delta T = +17^s.2$
Globe centred on E 178°2 and S 74°1

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	16	16.6	W167	17.0	S 46	59.6
Beginning of northern limit of penumbra	16	31.0	W168	53.6	S 40	24.6
⊗ Greatest eclipse (magnitude = 0.2730)	17	36.7	E 154	17.7	S 71	39.7
End of northern limit of penumbra	18	41.9	E 13	29.4	S 71	22.0
○ Eclipse ends; last contact with Earth	18	56.3	E 24	04.9	S 76	49.0