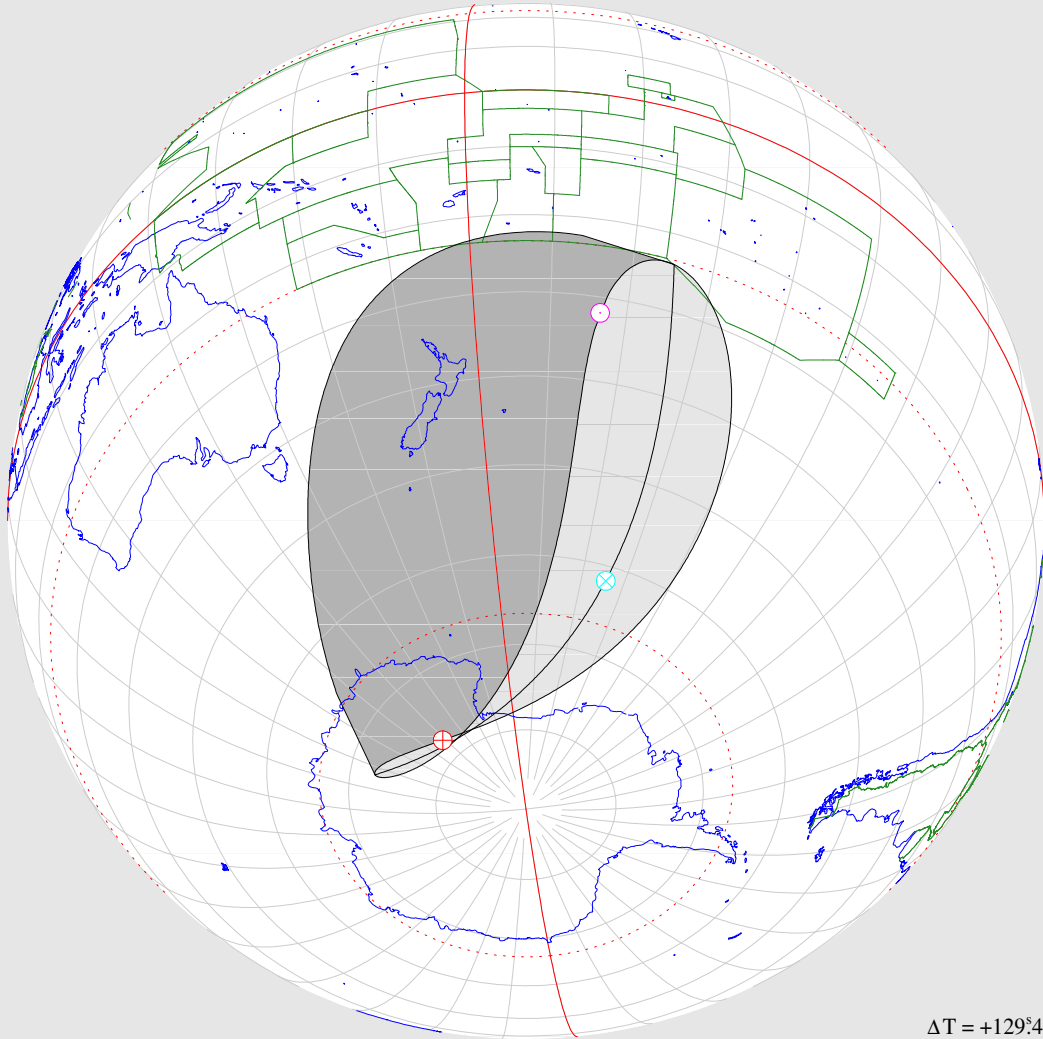


# I. - Partial Eclipse of the Sun

1613 April 20



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$\Delta T = +129^s.4$   
Globe centred on W 173°2 and S 56°2

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	1	11.6	E 138	38.8	S 77	32.5
Beginning of northern limit of penumbra	1	37.5	E 106	26.7	S 72	49.6
⊗ Greatest eclipse (magnitude = 0.3839)	2	47.3	W 154	18.3	S 61	39.1
End of northern limit of penumbra	3	57.6	W 154	56.9	S 24	02.7
○ Eclipse ends; last contact with Earth	4	23.4	W 163	29.3	S 31	56.4