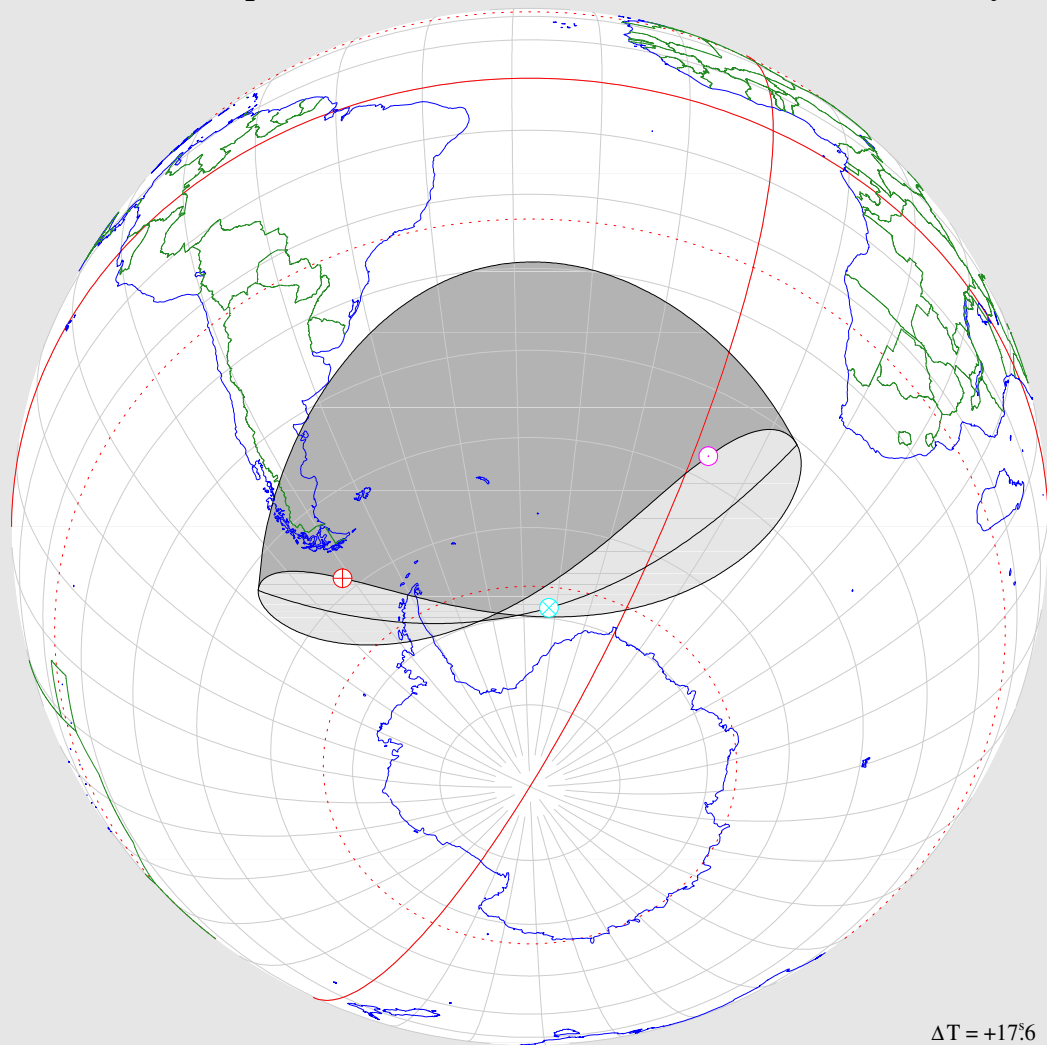


### III. - Partial Eclipse of the Sun

1678 May 20



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$\Delta T = +17^m 6$   
Globe centred on W 28°0 and S 59°9

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	13 09.0	W 71 40.2	S 58 25.3
Beginning of northern limit of penumbra	13 36.7	W 86 55.4	S 52 15.4
⊗ Greatest eclipse (magnitude = 0.4158)	14 40.4	W 22 11.4	S 68 49.1
End of northern limit of penumbra	15 44.3	E 14 39.4	S 40 30.7
○ Eclipse ends; last contact with Earth	16 12.0	E 2 31.2	S 47 21.2