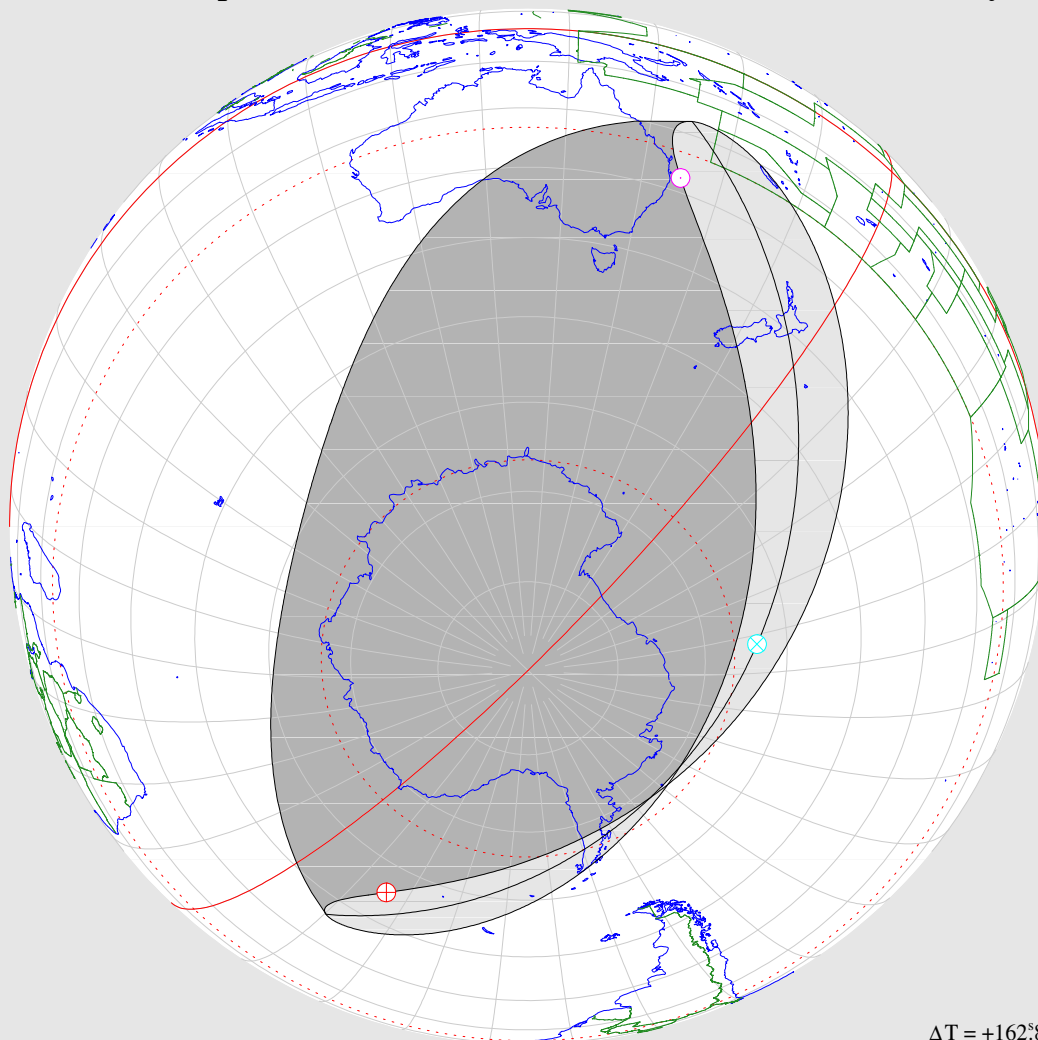


# I. - Partial Eclipse of the Sun

1581 January 05



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$\Delta T = +162^s.8$   
Globe centred on E 135°4 and S 73°9

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	4 56.6	W 15 47.0	S 55 27.7
Beginning of northern limit of penumbra	5 15.5	W 10 14.0	S 46 21.8
⊗ Greatest eclipse (magnitude = 0.8123)	6 47.2	W 137 34.1	S 63 44.4
End of northern limit of penumbra	8 19.1	E 154 47.9	S 17 26.1
⊙ Eclipse ends; last contact with Earth	8 38.0	E 154 49.9	S 27 44.8