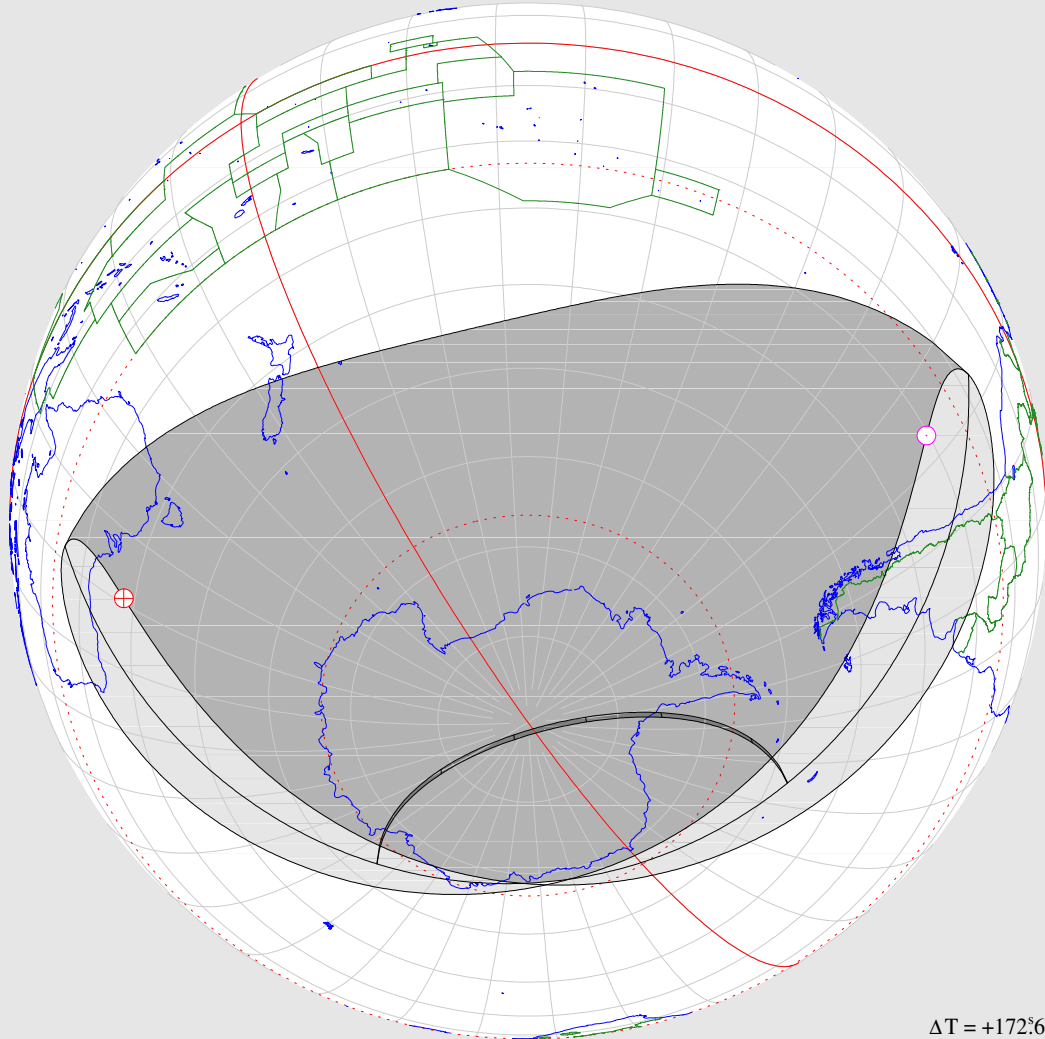


# I. - Annular-Total Eclipse of the Sun

1573 January 03-04



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$\Delta T = +172^s.6$   
Globe centred on W 146°4 and S 67°1

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	20 14.7	E 130 48.5	S 38 11.8
Beginning of northern limit of penumbra	20 39.4	E 131 48.5	S 25 32.1
Beginning of centre line; central eclipse begins	21 48.2	E 74 04.3	S 63 20.7
Beginning of southern limit of umbra	21 48.2	E 74 06.1	S 63 20.3
Beginning of northern limit of umbra	21 48.2	E 74 02.5	S 63 21.2
Central eclipse at local apperent midnight	22 18.1	E 27 56.8	S 88 45.9
End of northern limit of umbra	23 03.2	W 35 14.9	S 57 34.0
End of centre line; central eclipse ends	23 03.3	W 35 18.3	S 57 32.5
End of southern limit of umbra	23 03.3	W 35 21.8	S 57 31.0
End of northern limit of penumbra	0 11.9	W 83 24.3	S 17 29.4
○ Eclipse ends; last contact with Earth	0 36.6	W 83 24.4	S 30 21.9