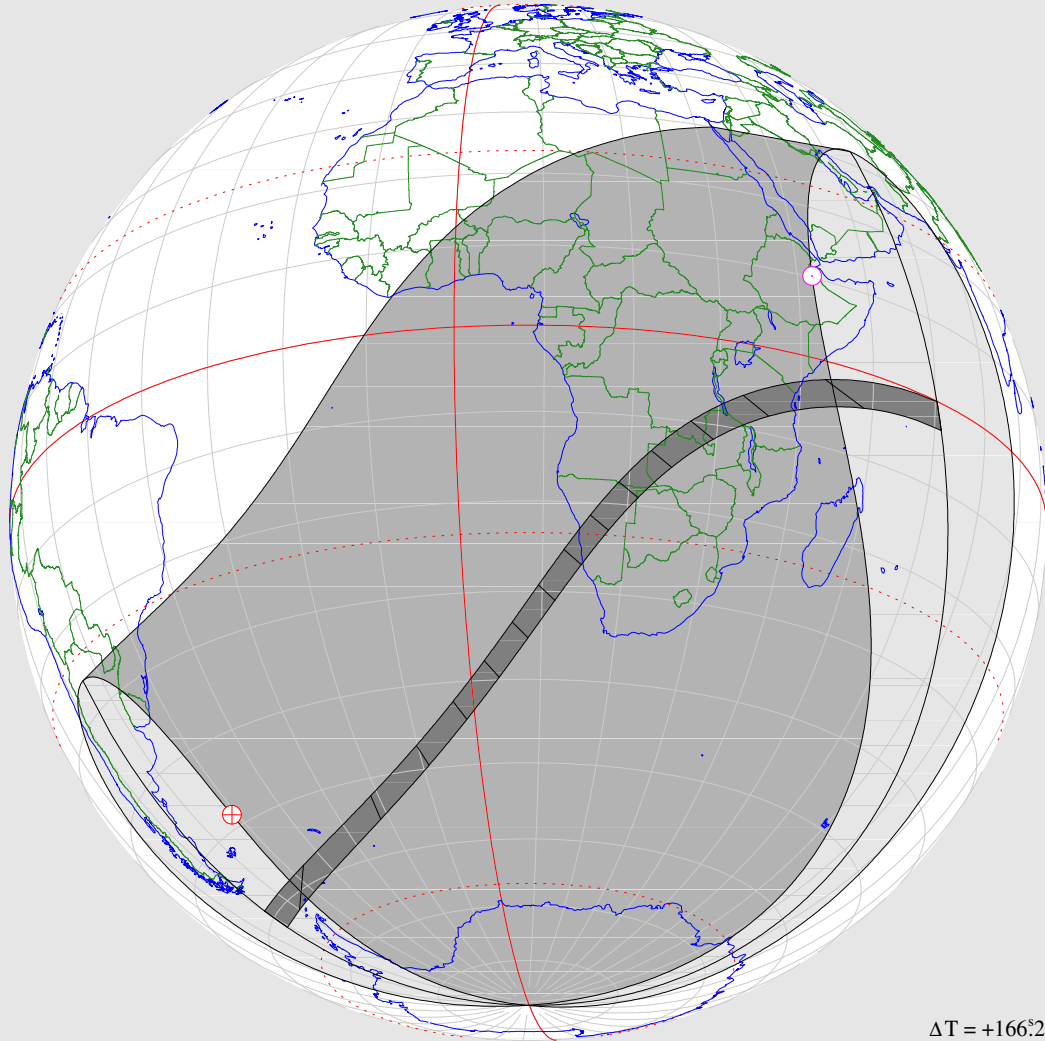


I. - Annular Eclipse of the Sun

1578 March 08



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$\Delta T = +166^s.2$
Globe centred on E $8^{\circ}2'$ and S $22^{\circ}4'$

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	9	28.8	W 51	14.5	S 48	27.1
Beginning of northern limit of penumbra	10	25.3	W 64	41.6	S 26	03.5
Beginning of northern limit of umbra	10	41.2	W 69	50.9	S 58	43.0
Beginning of centre line; central eclipse begins	10	42.8	W 70	21.5	S 60	14.9
Beginning of southern limit of umbra	10	44.5	W 70	54.3	S 61	48.3
Central eclipse at local apparent noon	11	50.2	E 4	34.6	S 37	09.6
End of southern limit of umbra	14	03.9	E 61	11.1	S 3	10.2
End of centre line; central eclipse ends	14	05.6	E 60	43.9	S 1	35.7
End of northern limit of umbra	14	07.3	E 60	18.1	S 0	02.7
End of northern limit of penumbra	14	22.7	E 55	48.7	N 32	41.8
⊙ Eclipse ends; last contact with Earth	15	19.5	E 42	03.0	N 10	14.8