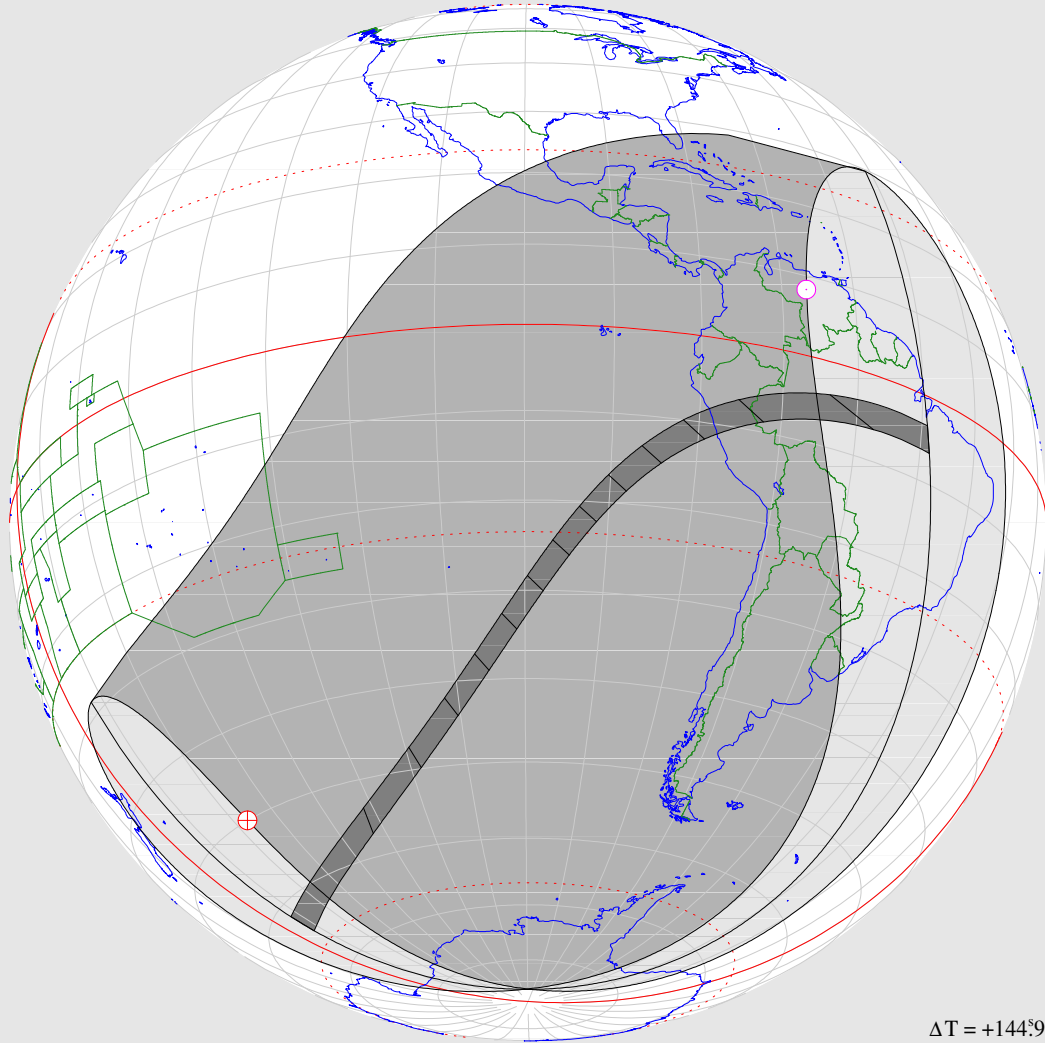


# I. - Annular Eclipse of the Sun

1596 March 28



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$\Delta T = +144^{\text{h}}9$   
Globe centred on W 99°6 and S 22°5

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	16	48.2	W156	53.4	S 49	57.6
Beginning of northern limit of penumbra	17	44.8	W173	09.1	S 28	33.1
Beginning of northern limit of umbra	18	01.7	W173	06.2	S 61	31.7
Beginning of centre line; central eclipse begins	18	03.3	W173	07.0	S 63	00.7
Beginning of southern limit of umbra	18	05.1	W173	06.2	S 64	31.3
Central eclipse at local apparent noon	19	04.3	W104	49.9	S 36	37.0
End of southern limit of umbra	21	17.0	W 48	23.9	S 6	30.4
End of centre line; central eclipse ends	21	18.8	W 48	44.3	S 4	58.1
End of northern limit of umbra	21	20.4	W 49	03.6	S 3	27.4
End of northern limit of penumbra	21	36.9	W 51	05.1	N29	40.6
⊙ Eclipse ends; last contact with Earth	22	33.8	W 66	44.6	N 8	11.1