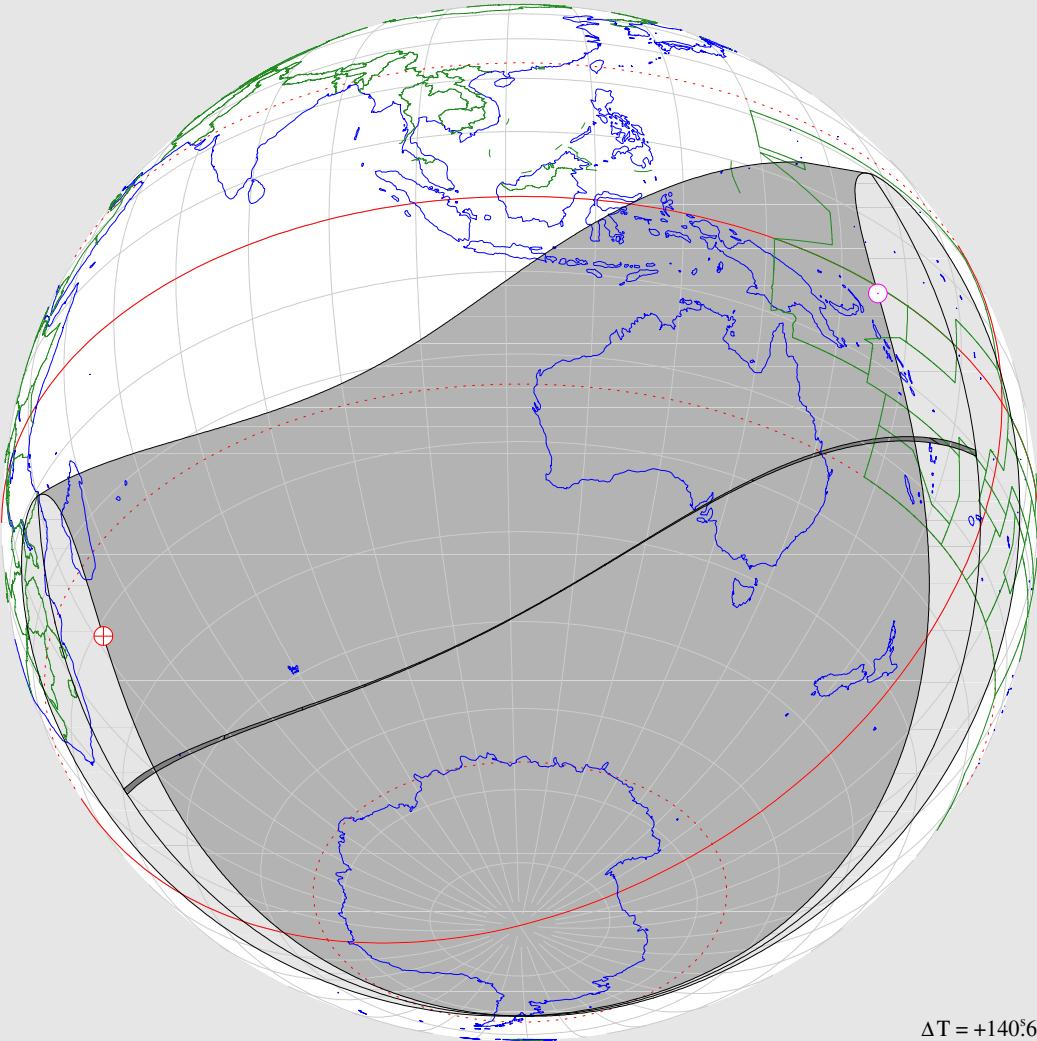


I. - Annular Eclipse of the Sun

1600 January 16



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$\Delta T = +140^{\circ}6$
Globe centred on E 111°6 and S 39°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	2	30.0	E 41	35.4	S 31	12.9
Beginning of northern limit of penumbra	3	12.1	E 40	20.0	S 10	53.8
Beginning of northern limit of umbra	3	34.1	E 20	06.2	S 40	07.7
Beginning of centre line; central eclipse begins	3	34.4	E 19	49.3	S 40	24.3
Beginning of southern limit of umbra	3	34.8	E 19	32.3	S 40	40.9
Central eclipse at local apparent noon	4	55.7	E 108	40.5	S 50	08.1
End of southern limit of umbra	6	46.2	E 175	17.3	S 10	47.5
End of centre line; central eclipse ends	6	46.5	E 175	06.0	S 10	31.3
End of northern limit of umbra	6	46.8	E 174	54.7	S 10	15.1
End of northern limit of penumbra	7	08.6	E 157	34.9	N 19	34.9
⊙ Eclipse ends; last contact with Earth	7	50.8	E 155	16.5	S 0	56.7