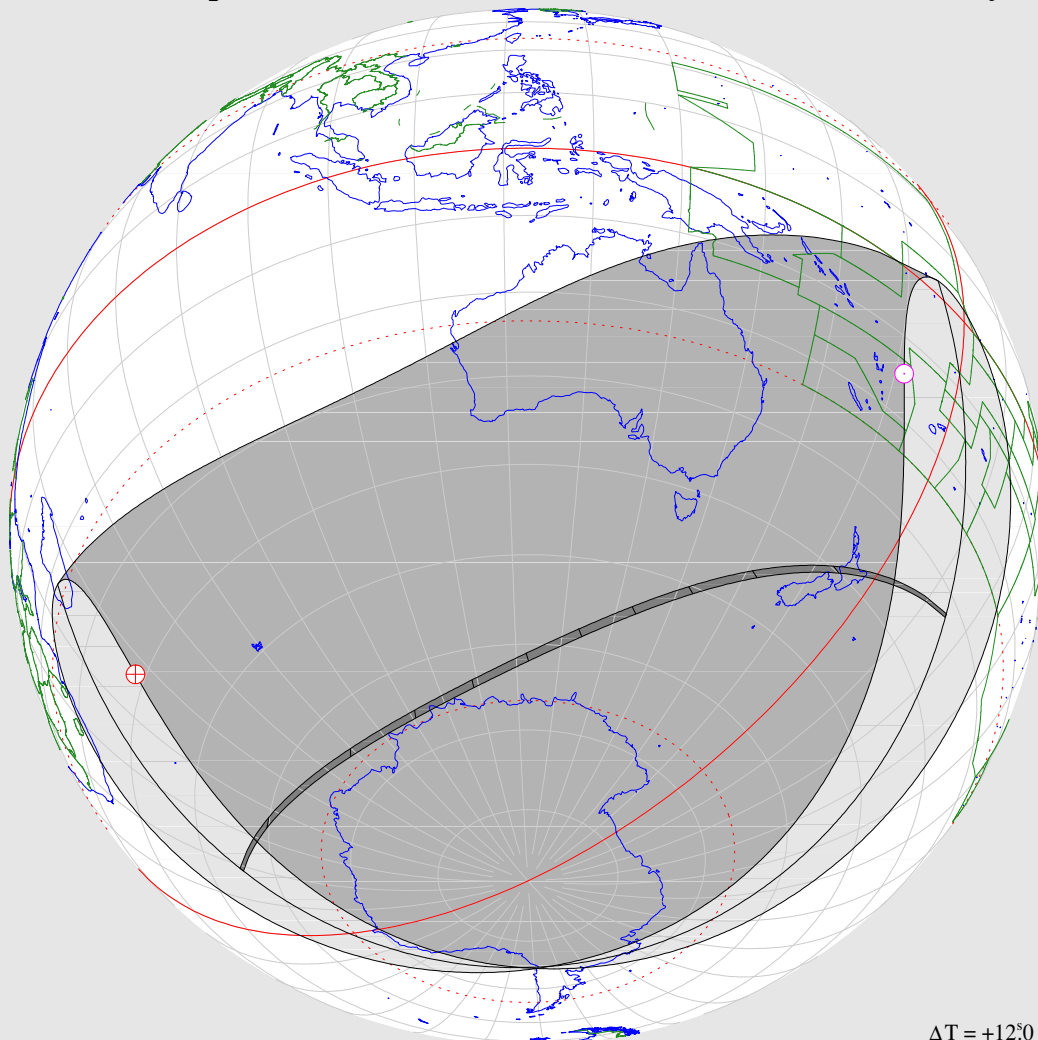


II. - Total Eclipse of the Sun

1739 February 08



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$\Delta T = +12^{\text{m}}0$
Globe centred on E 122°7' and S 46°9'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	2	16.6	E 47	02.0	S 38	35.8
Beginning of northern limit of penumbra	2	50.3	E 44	52.0	S 21	51.5
Beginning of northern limit of umbra	3	27.2	E 19	00.7	S 55	08.4
Beginning of centre line; central eclipse begins	3	27.5	E 18	46.4	S 55	19.4
Beginning of southern limit of umbra	3	27.8	E 18	32.0	S 55	30.3
Central eclipse at local apparent noon	4	24.3	E 117	36.3	S 62	32.2
End of southern limit of umbra	5	54.5	W 165	08.9	S 32	13.6
End of centre line; central eclipse ends	5	54.7	W 165	17.0	S 32	02.8
End of northern limit of umbra	5	55.0	W 165	25.0	S 31	52.2
End of northern limit of penumbra	6	31.8	E 175	03.9	N 2	24.1
⊙ Eclipse ends; last contact with Earth	7	05.6	E 171	17.7	S 14	36.3