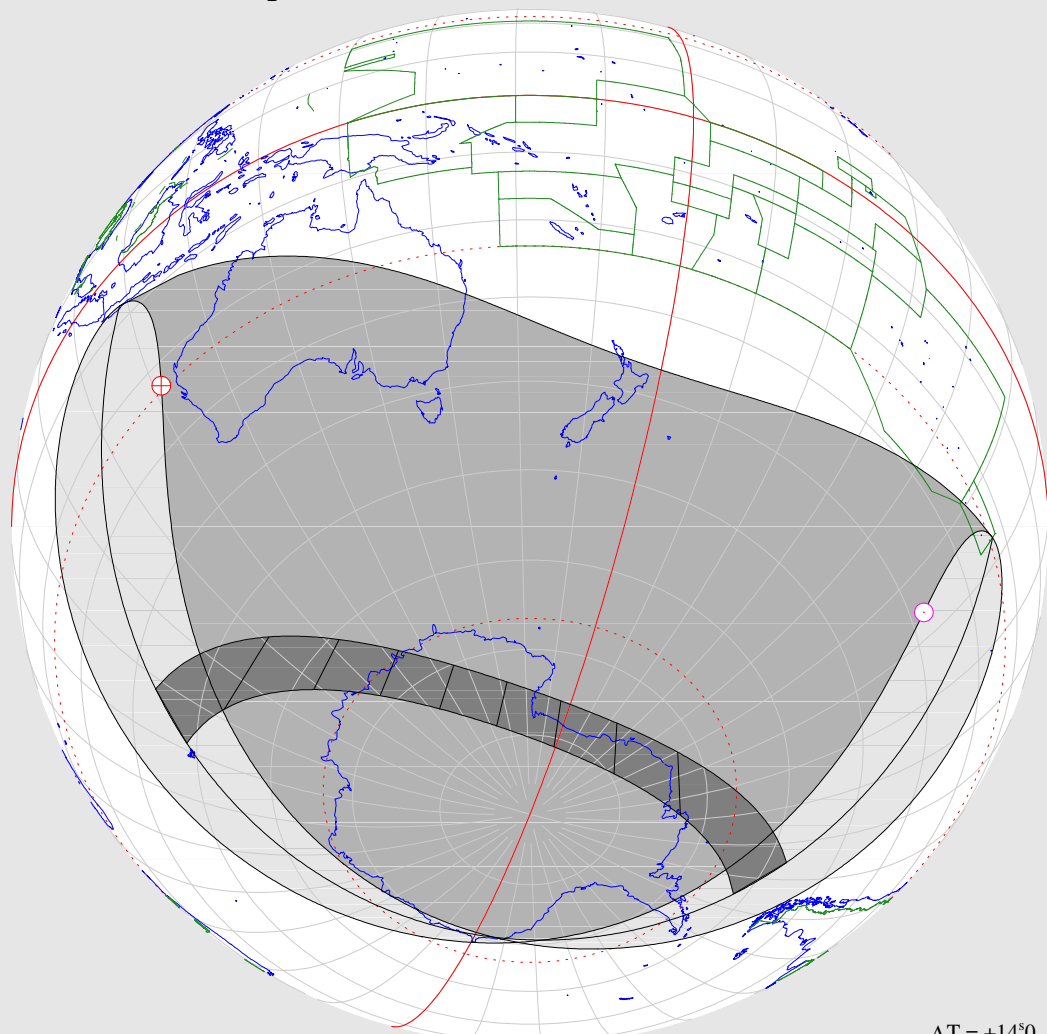


### III. - Annular Eclipse of the Sun

1751 November 17-18



$\Delta T = +14^{\text{s}}0$

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Globe centred on E 161°6' and S 56°3'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	21	47.5	E 111	05.0	S 22	51.1
Beginning of northern limit of penumbra	22	20.5	E 108	38.1	S 7	22.3
Beginning of northern limit of umbra	23	16.6	E 78	04.0	S 43	22.7
Beginning of centre line; central eclipse begins	23	21.8	E 74	58.0	S 45	52.2
Beginning of southern limit of umbra	23	27.4	E 71	23.1	S 48	32.4
Central eclipse at local apparent noon	0	40.1	E 166	19.7	S 77	41.8
End of southern limit of umbra	1	23.9	W 74	26.1	S 61	43.9
End of centre line; central eclipse ends	1	29.6	W 80	00.6	S 59	27.8
End of northern limit of umbra	1	34.7	W 84	39.0	S 57	16.2
End of northern limit of penumbra	2	30.9	W 123	00.5	S 22	45.1
⊙ Eclipse ends; last contact with Earth	3	04.0	W 123	56.0	S 37	56.0