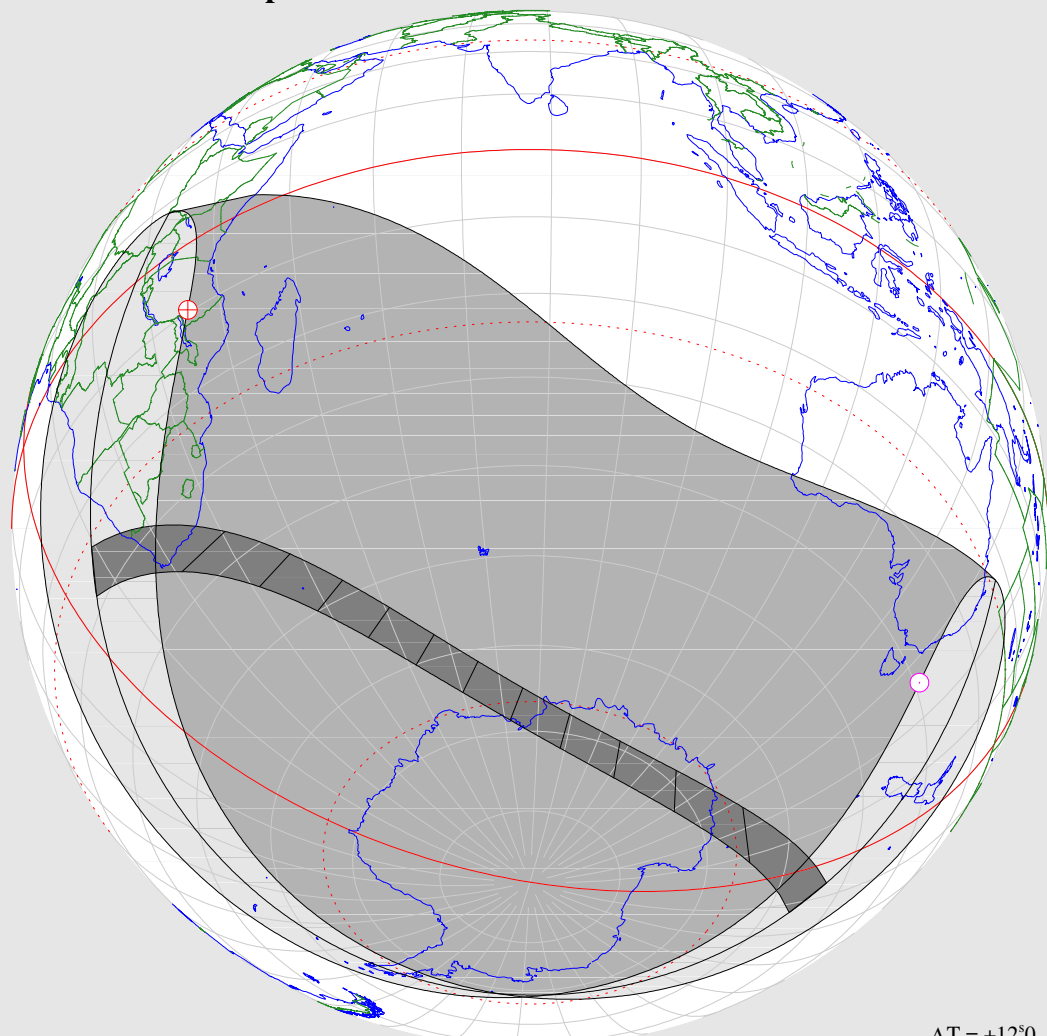


IV. - Annular Eclipse of the Sun

1742 November 27



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$\Delta T = +12^m 0$
Globe centred on E 77°6' and S 47°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	3	10.6	E 35	35.0	S 9	35.8
Beginning of northern limit of penumbra	3	48.2	E 32	59.3	N 7	51.0
Beginning of northern limit of umbra	4	30.3	E 9	18.1	S 24	25.6
Beginning of centre line; central eclipse begins	4	33.9	E 7	24.7	S 26	28.4
Beginning of southern limit of umbra	4	37.8	E 5	23.2	S 28	35.8
Central eclipse at local apparent noon	6	23.0	E 81	14.1	S 68	24.9
End of southern limit of umbra	7	19.5	W167	11.2	S 56	26.7
End of centre line; central eclipse ends	7	23.3	W170	45.8	S 54	39.7
End of northern limit of umbra	7	27.0	W173	58.0	S 52	54.0
End of northern limit of penumbra	8	09.3	E 153	52.1	S 22	24.4
⊙ Eclipse ends; last contact with Earth	8	46.7	E 153	48.3	S 39	18.7