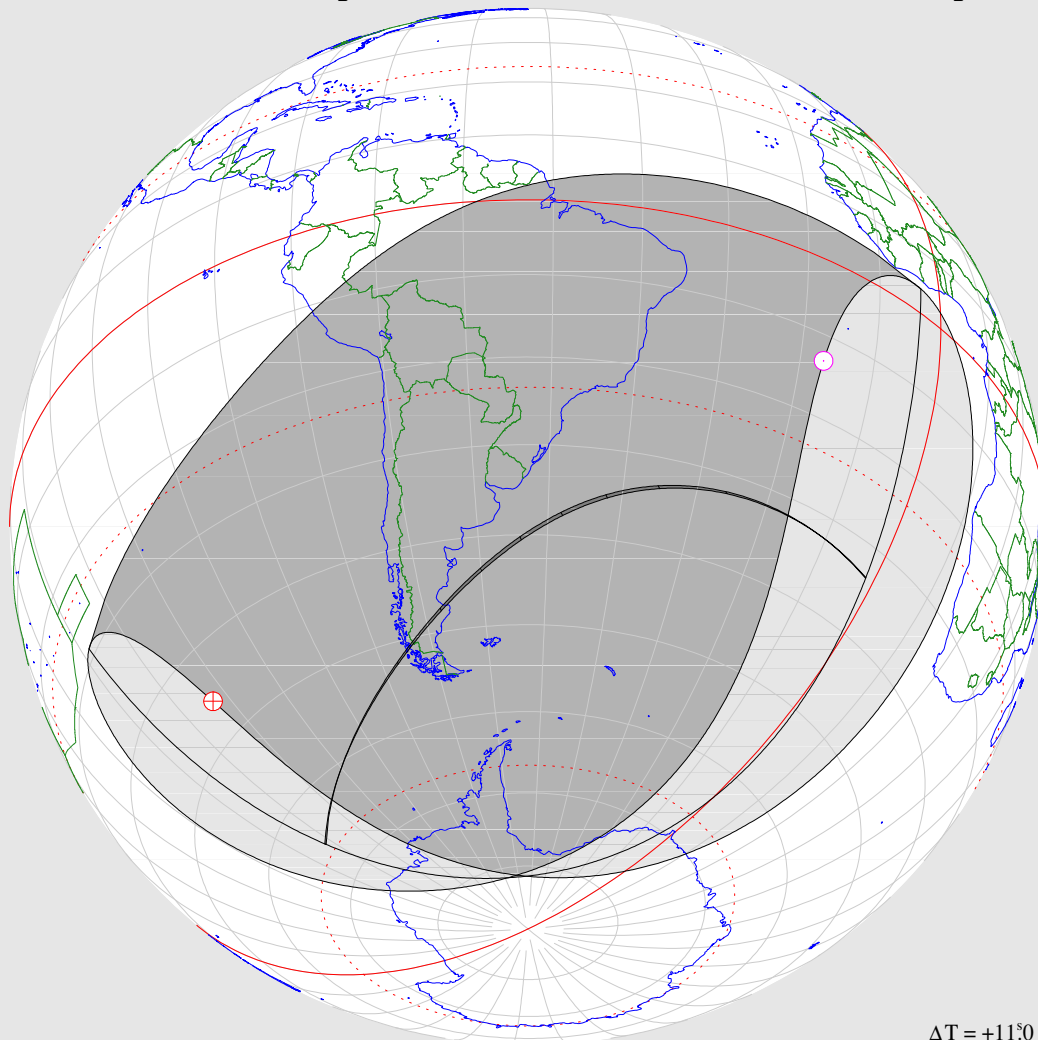


II. - Annular-Total Eclipse of the Sun

1717 April 11



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$\Delta T = +11^m 30^s$
Globe centred on W 52°8' and S 39°1'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	14	08.4	W113	09.5	S 45	39.3
Beginning of northern limit of penumbra	14	52.4	W128	09.9	S 28	55.6
Beginning of northern limit of umbra	15	24.9	W122	14.4	S 65	14.9
Beginning of centre line; central eclipse begins	15	25.0	W122	12.0	S 65	19.5
Beginning of southern limit of umbra	15	25.1	W122	09.6	S 65	24.1
Central eclipse at local apparent noon	16	09.9	W 62	14.9	S 44	52.2
End of southern limit of umbra	17	44.1	W 1	26.9	S 33	29.4
End of centre line; central eclipse ends	17	44.2	W 1	27.3	S 33	26.0
End of northern limit of umbra	17	44.3	W 1	27.8	S 33	22.7
End of northern limit of penumbra	18	16.5	W 3	21.9	N 3	38.8
⊙ Eclipse ends; last contact with Earth	19	00.6	W 16	56.0	S 13	14.0