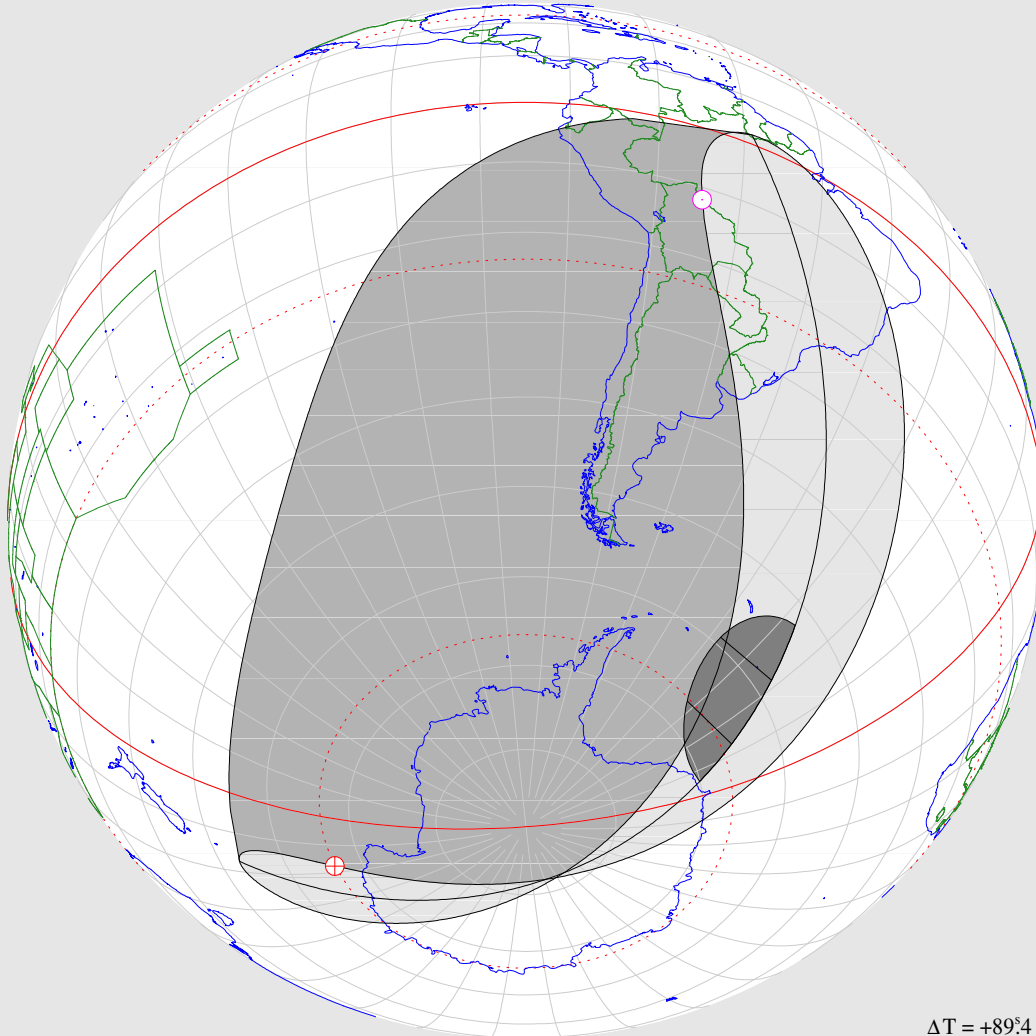


I. - Annular Eclipse of the Sun

2044 February 28



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$\Delta T = +89^s.4$
Globe centred on W 84°9' and S 53°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	18	09.2	E 162	18.8	S 66	25.5
Beginning of northern limit of penumbra	18	38.9	E 162	41.8	S 53	17.6
Beginning of northern limit of umbra	20	05.1	W 5	48.6	S 70	02.4
Beginning of centre line; central eclipse begins	20	16.4	W 14	04.4	S 64	37.0
End of centre line; central eclipse ends	20	30.5	W 21	53.2	S 57	43.5
End of northern limit of umbra	20	41.8	W 27	06.9	S 52	06.2
End of northern limit of penumbra	22	07.6	W 59	02.5	N 1	47.5
⊙ Eclipse ends; last contact with Earth	22	37.4	W 64	35.2	S 11	51.8