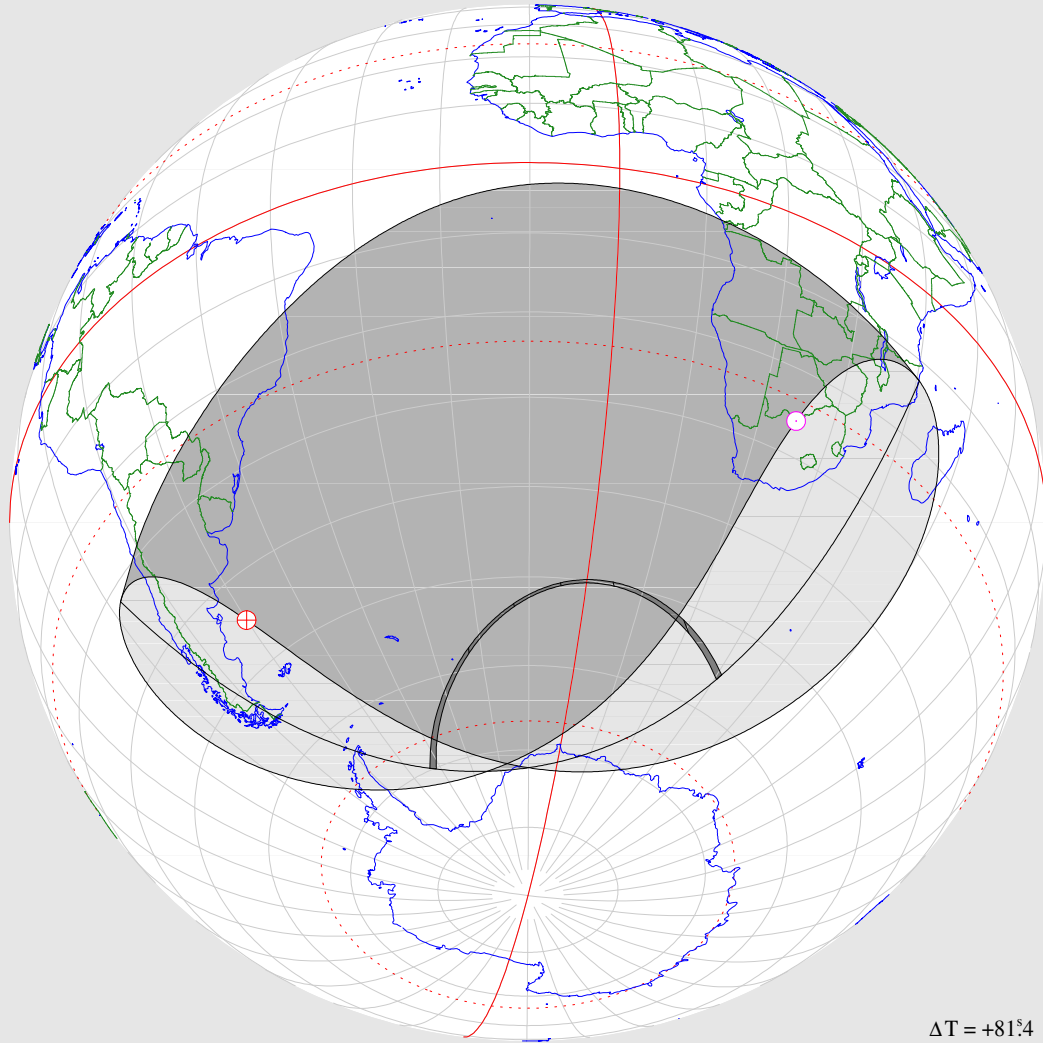


## II. - Annular Eclipse of the Sun

2032 May 09



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$\Delta T = +81^s.4$   
Globe centred on W 10°2' and S 44°0'

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	11	09.7	W 60 02.0	S 44 44.0
Beginning of northern limit of penumbra	11	52.6	W 77 43.4	S 31 44.4
Beginning of northern limit of umbra	12	47.2	W 43 20.4	S 69 46.2
Beginning of centre line; central eclipse begins	12	48.0	W 42 28.7	S 69 58.0
Beginning of southern limit of umbra	12	48.7	W 41 34.8	S 70 09.5
Central eclipse at local apparent noon	13	06.9	W 17 37.6	S 55 13.3
End of southern limit of umbra	14	02.2	E 30 26.0	S 56 04.0
End of centre line; central eclipse ends	14	02.9	E 30 39.8	S 55 41.6
End of northern limit of umbra	14	03.7	E 30 52.8	S 55 19.7
End of northern limit of penumbra	14	58.2	E 40 29.4	S 12 33.9
⊙ Eclipse ends; last contact with Earth	15	41.2	E 24 55.5	S 25 57.1