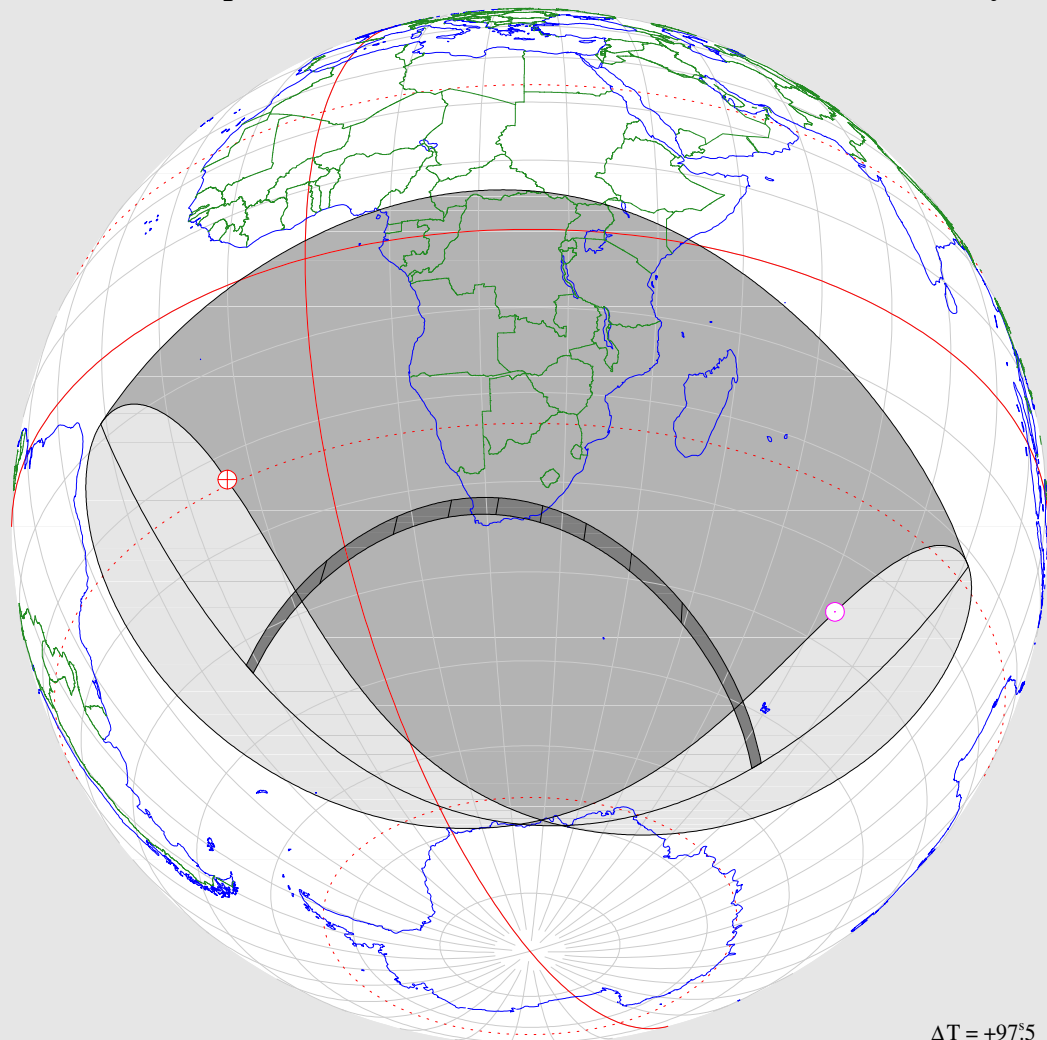


### III. - Total Eclipse of the Sun

2055 July 24



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$\Delta T = +97^s.5$   
Globe centred on E 25°7' and S 35°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	7	36.1	W 13	37.2	S 22	51.0
Beginning of northern limit of penumbra	8	22.4	W 31	02.9	S 7	58.7
Beginning of northern limit of umbra	8	51.8	W 22	05.7	S 42	22.3
Beginning of centre line; central eclipse begins	8	52.7	W 21	54.5	S 42	57.1
Beginning of southern limit of umbra	8	53.6	W 21	42.9	S 43	32.3
Central eclipse at local apparent noon	10	06.9	E 29	55.6	S 34	18.4
End of southern limit of umbra	10	58.6	E 75	07.6	S 55	42.0
End of centre line; central eclipse ends	10	59.6	E 75	36.5	S 55	09.1
End of northern limit of umbra	11	00.5	E 76	04.0	S 54	36.5
End of northern limit of penumbra	11	29.9	E 91	02.2	S 21	26.7
⊙ Eclipse ends; last contact with Earth	12	16.2	E 72	24.8	S 36	03.8