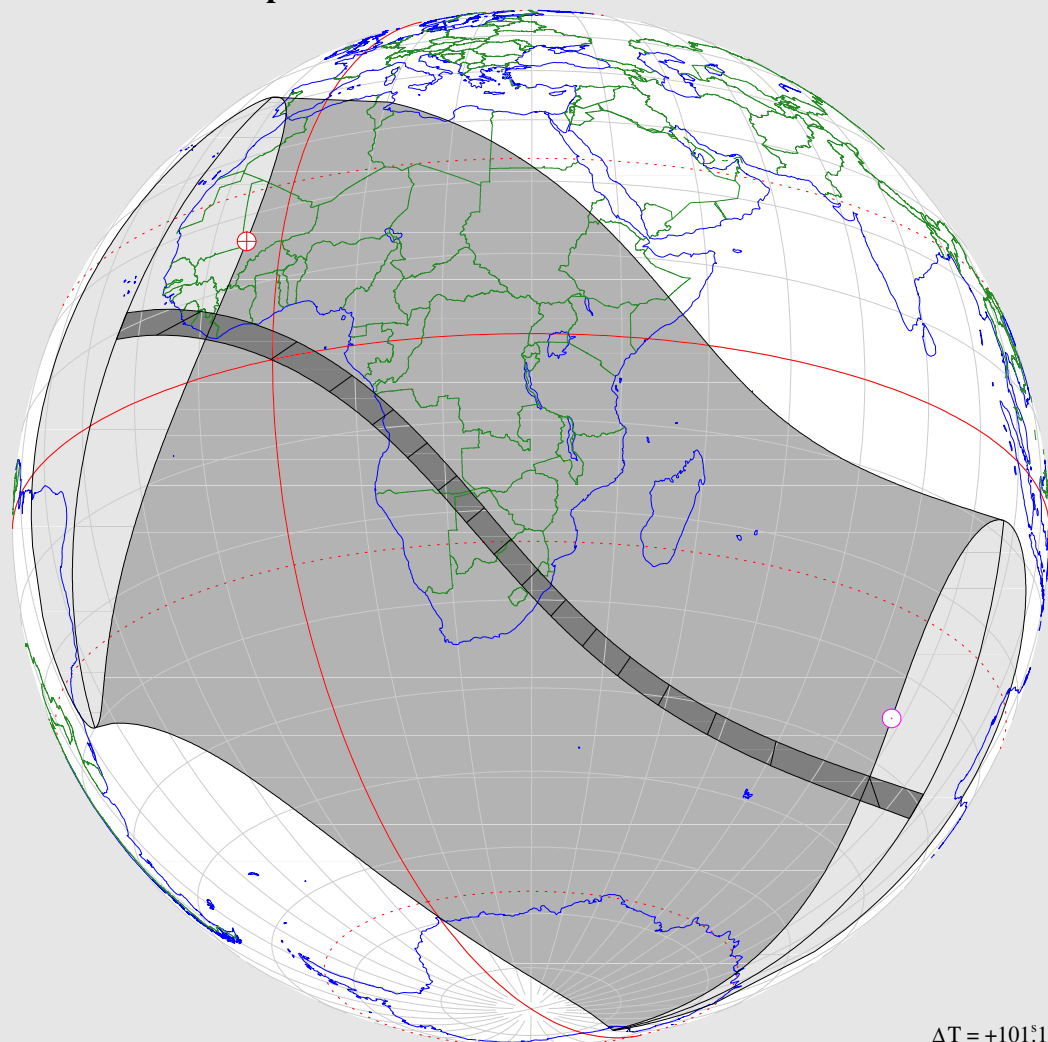


# IV. - Annular Eclipse of the Sun

2060 October 24



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$\Delta T = +101^s.1$   
Globe centred on E 29°9' and S 22°1'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	6 18.0	W 4 55.4	N 16 09.1
Beginning of northern limit of penumbra	7 22.0	W 13 02.6	N 42 51.6
Beginning of northern limit of umbra	7 26.5	W 22 58.6	N 12 06.5
Beginning of centre line; central eclipse begins	7 27.6	W 23 34.7	N 10 37.9
Beginning of southern limit of umbra	7 28.8	W 24 11.7	N 9 08.6
Beginning of southern limit of penumbra	8 20.5	W 46 10.9	S 29 57.4
Central eclipse at local apparent noon	9 37.7	E 31 35.6	S 29 14.5
End of southern limit of penumbra	10 23.8	E 169 01.4	S 75 57.9
End of southern limit of umbra	11 16.0	E 108 03.6	S 41 46.1
End of centre line; central eclipse ends	11 17.2	E 107 12.2	S 40 18.4
End of northern limit of umbra	11 18.3	E 106 23.5	S 38 51.2
End of northern limit of penumbra	11 23.3	E 96 56.5	S 8 02.1
⊙ Eclipse ends; last contact with Earth	12 26.9	E 87 53.8	S 34 51.8