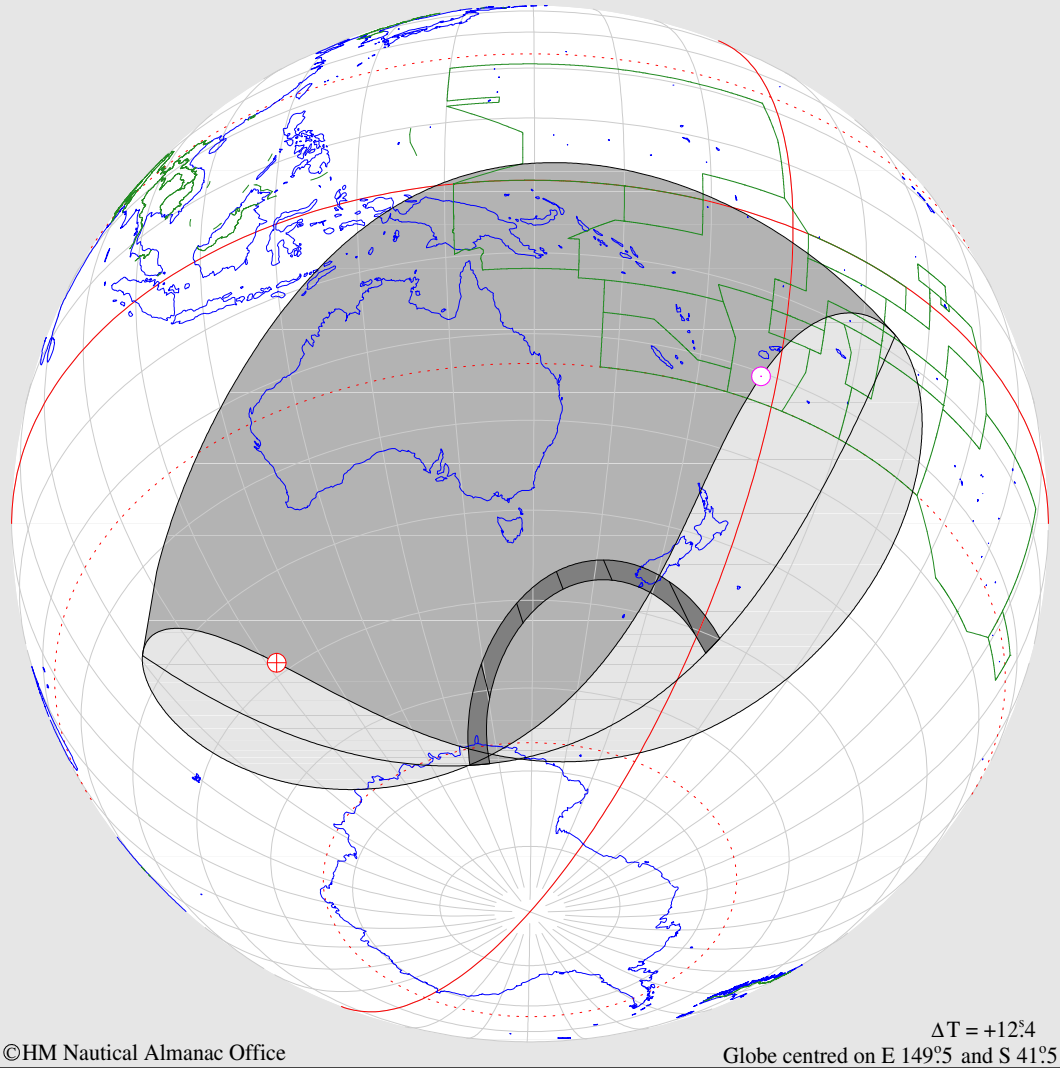
I. - Annular Eclipse of the Sun — 1816 May 27



ΔT = +12ˢ.4

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Globe centred on E 149°.5 and S 41°.5

Circumstances	Time (UT)	Longitude	Latitude
	h m	° ′	° ′
⊕ Eclipse begins; first contact with Earth	0 54.8	E 101 44.6	S 48 41.1
Beginning of northern limit of penumbra	1 40.9	E 80 46.9	S 36 39.0
Beginning of northern limit of umbra	2 36.5	E 131 06.1	S 68 29.7
Beginning of centre line; central eclipse begins	2 38.8	E 133 59.5	S 68 38.6
Beginning of southern limit of umbra	2 41.3	E 137 07.8	S 68 43.5
Central eclipse at local apparent noon	2 42.9	E 138 27.5	S 60 25.6
End of southern limit of umbra	3 45.4	W177 03.4	S 52 00.1
End of centre line; central eclipse ends	3 47.9	W176 25.1	S 50 54.2
End of northern limit of umbra	3 50.2	W175 52.2	S 49 52.2
End of northern limit of penumbra	4 45.5	W165 09.8	S 7 33.3
⊙ Eclipse ends; last contact with Earth	5 31.6	E 177 54.8	S 20 27.5