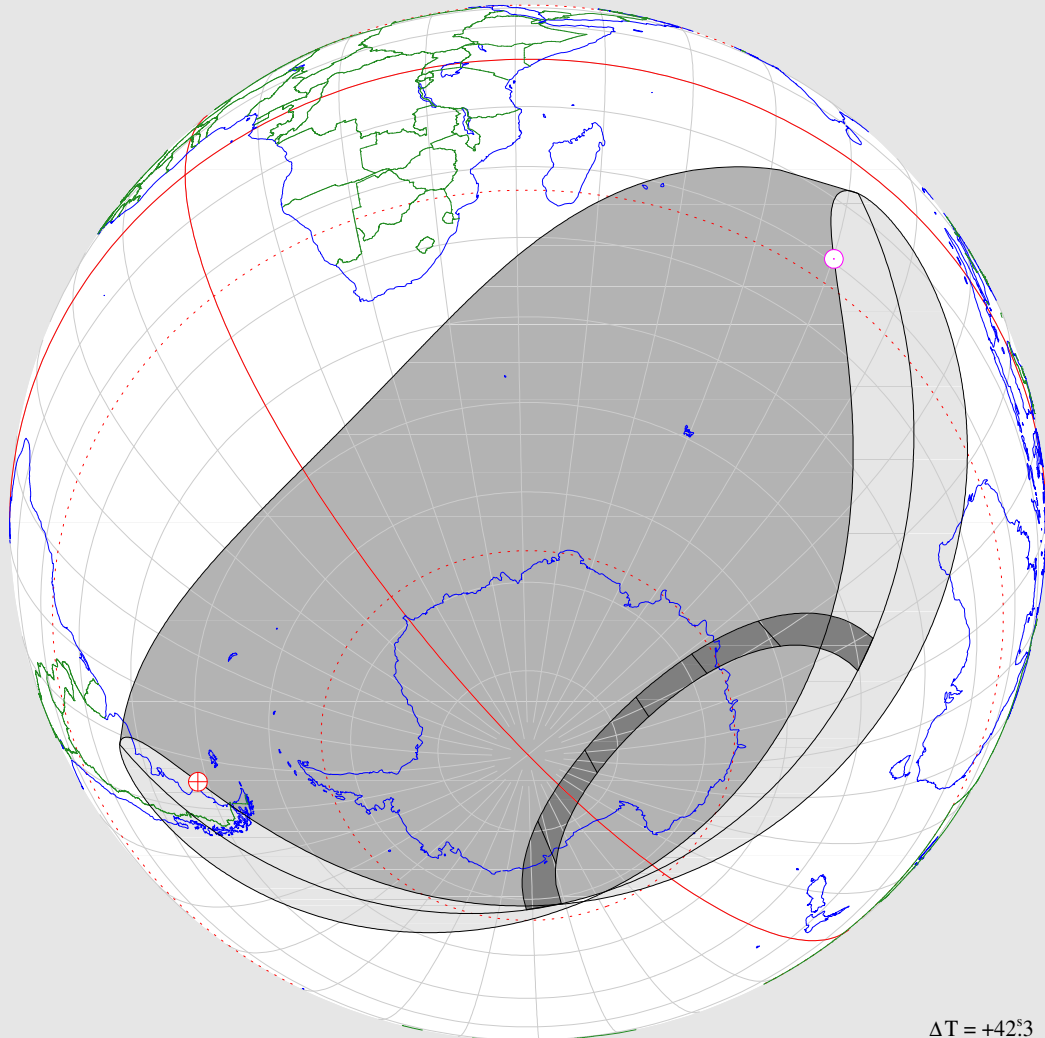


I. - Annular Eclipse of the Sun

1972 January 16



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$\Delta T = +42^s.3$
Globe centred on E 41°4' and S 63°4'

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	8	45.2	W 64 43.9	S 48 29.0
Beginning of northern limit of penumbra	9	11.4	W 61 44.6	S 36 02.3
Beginning of northern limit of umbra	10	21.8	W 138 08.6	S 68 16.2
Beginning of centre line; central eclipse begins	10	24.8	W 143 13.4	S 68 36.4
Beginning of southern limit of umbra	10	28.1	W 148 51.3	S 68 50.4
Central eclipse at local apperent midnight	10	32.5	W 155 44.7	S 80 53.8
End of southern limit of umbra	11	37.6	E 125 32.6	S 50 14.3
End of centre line; central eclipse ends	11	40.8	E 123 15.3	S 48 47.4
End of northern limit of umbra	11	43.8	E 121 13.5	S 47 26.4
End of northern limit of penumbra	12	54.0	E 81 15.1	S 6 06.2
⊙ Eclipse ends; last contact with Earth	13	20.2	E 80 08.7	S 19 25.2