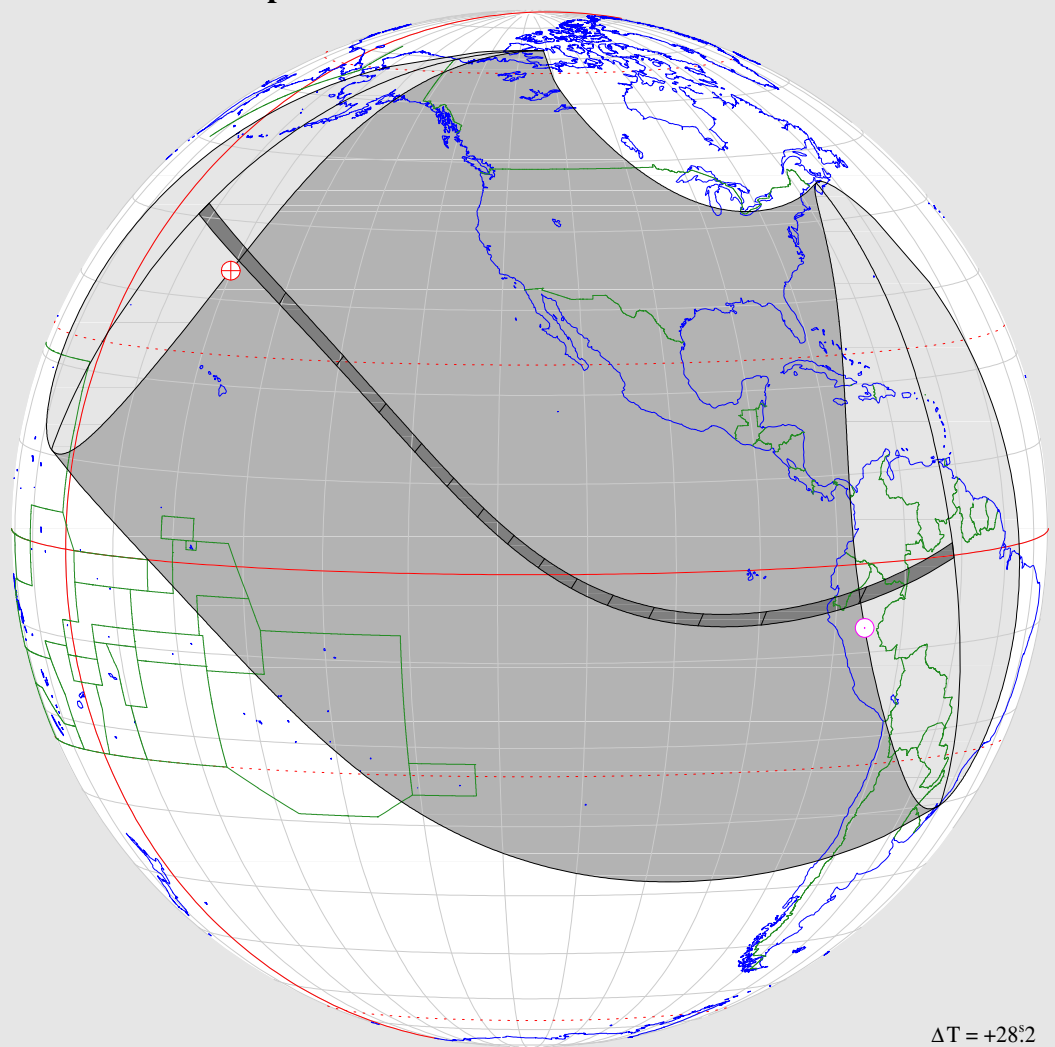


III. - Annular Eclipse of the Sun

1947 November 12



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$\Delta T = +28^s.2$
Globe centred on W 116°4 and N 5°1

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	17	13.9	W160	16.4	N33	35.6
Beginning of southern limit of umbra	18	20.0	W173	19.6	N40	19.4
Beginning of centre line; central eclipse begins	18	20.4	W172	58.8	N41	05.7
Beginning of northern limit of umbra	18	20.8	W172	37.6	N41	52.3
Beginning of southern limit of penumbra	18	22.8	E 173	44.5	N10	33.5
Beginning of northern limit of penumbra	19	21.7	W111	31.8	N72	20.9
Central eclipse at local apparent noon	19	48.5	W121	05.7	N 6	06.4
End of northern limit of penumbra	20	49.1	W 64	52.9	N45	07.9
End of southern limit of penumbra	21	47.4	W 50	05.5	S 30	17.9
End of northern limit of umbra	21	49.6	W 61	48.8	N 1	24.3
End of centre line; central eclipse ends	21	50.0	W 61	39.1	N 0	34.3
End of southern limit of umbra	21	50.4	W 61	29.2	S 0	15.5
⊙ Eclipse ends; last contact with Earth	22	56.5	W 75	47.9	S 7	11.0