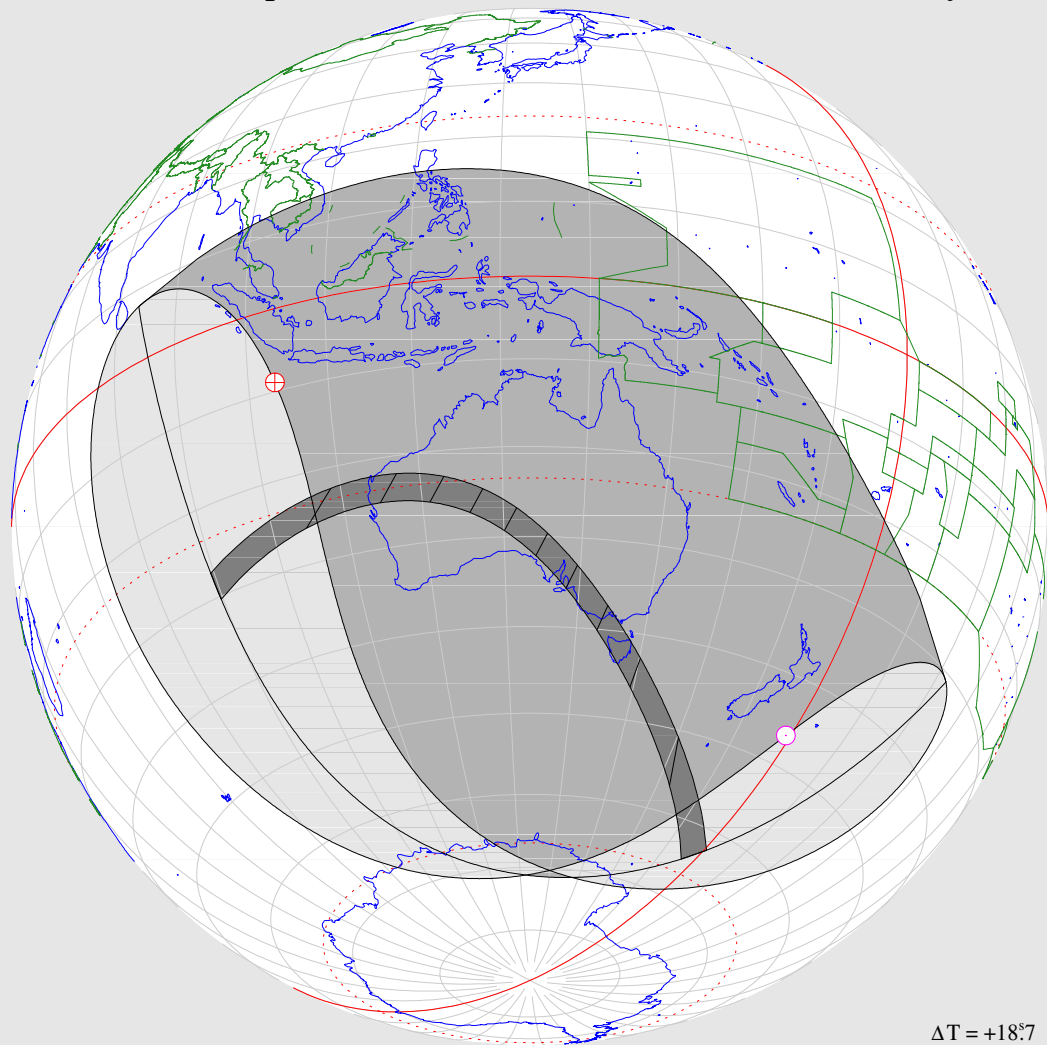


IV. - Annular Eclipse of the Sun

1916 July 29-30



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$\Delta T = +18^m 7^s$
Globe centred on E 133°3' and S 28°9'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	23	24.7	E 103	25.6	S 8	55.0
Beginning of northern limit of penumbra	0	21.2	E 83	44.2	N 7	28.2
Beginning of northern limit of umbra	0	48.3	E 89	28.4	S 27	11.0
Beginning of centre line; central eclipse begins	0	50.7	E 89	34.1	S 28	43.6
Beginning of southern limit of umbra	0	53.2	E 89	40.1	S 30	19.3
Central eclipse at local apparent noon	2	39.4	E 141	43.7	S 36	52.6
End of southern limit of umbra	3	18.1	E 176	25.3	S 64	44.4
End of centre line; central eclipse ends	3	20.7	E 178	39.6	S 63	35.0
End of northern limit of umbra	3	23.0	W 179	22.6	S 62	25.1
End of northern limit of penumbra	3	50.4	W 157	36.8	S 30	47.0
⊙ Eclipse ends; last contact with Earth	4	46.7	E 179	06.8	S 46	28.9