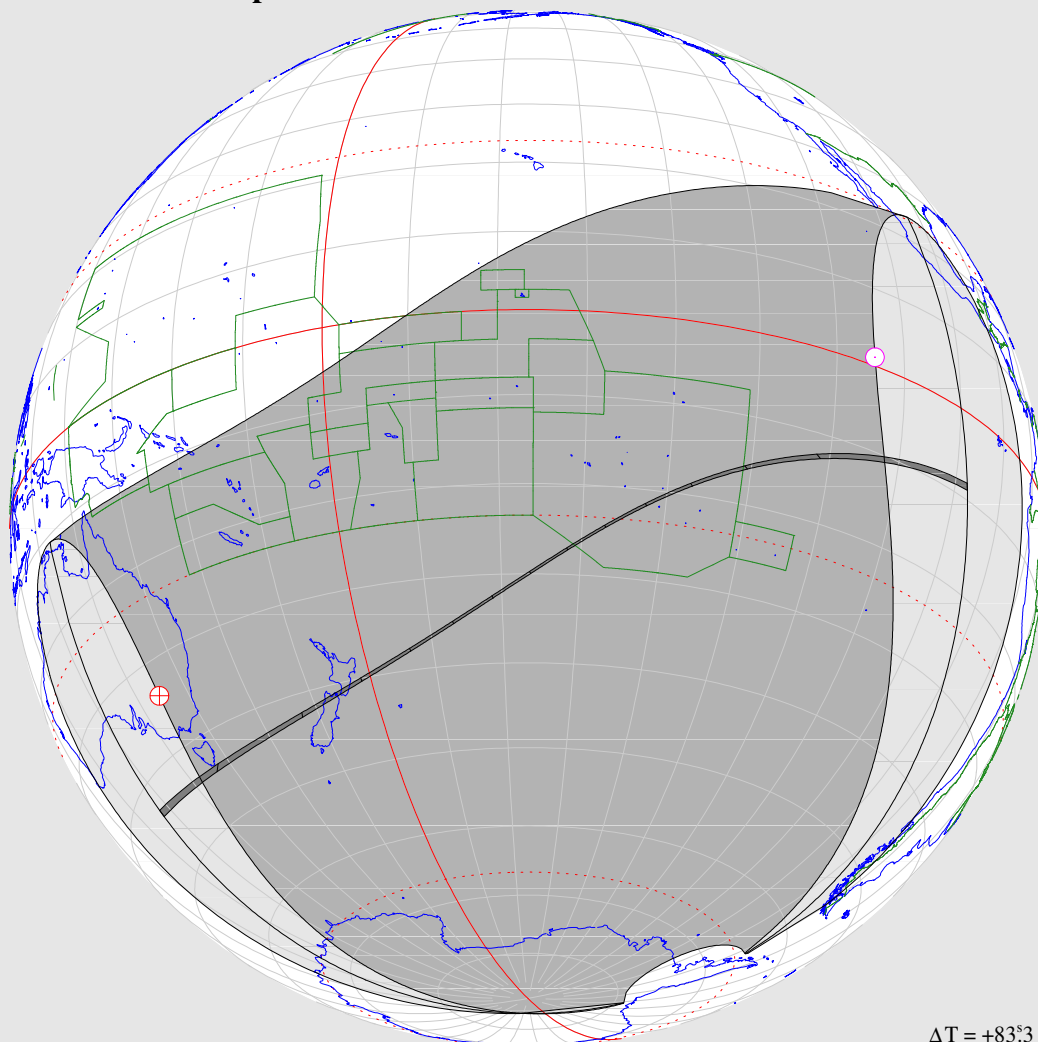


II. - Annular Eclipse of the Sun

2035 March 09-10



$\Delta T = +83^s.3$

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Globe centred on W 156°6 and S 25°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	20	20.7	E 144	33.2	S 33	48.0
Beginning of northern limit of penumbra	21	12.9	E 133	34.0	S 10	47.4
Beginning of northern limit of umbra	21	25.4	E 127	15.3	S 42	58.1
Beginning of centre line; central eclipse begins	21	25.7	E 127	06.4	S 43	22.4
Beginning of southern limit of umbra	21	26.1	E 126	57.4	S 43	46.8
Central eclipse at local apparent noon	22	49.4	W 159	45.2	S 31	43.2
Beginning of southern limit of penumbra	22	51.5	W 48	10.5	S 78	45.8
End of southern limit of penumbra	23	18.0	W 67	34.5	S 65	13.9
End of southern limit of umbra	0	43.1	W 97	30.3	S 8	54.9
End of centre line; central eclipse ends	0	43.4	W 97	37.1	S 8	31.9
End of northern limit of umbra	0	43.8	W 97	44.0	S 8	09.0
End of northern limit of penumbra	0	56.0	W 103	17.5	N 24	05.6
○ Eclipse ends; last contact with Earth	1	48.3	W 114	33.9	N 1	04.2