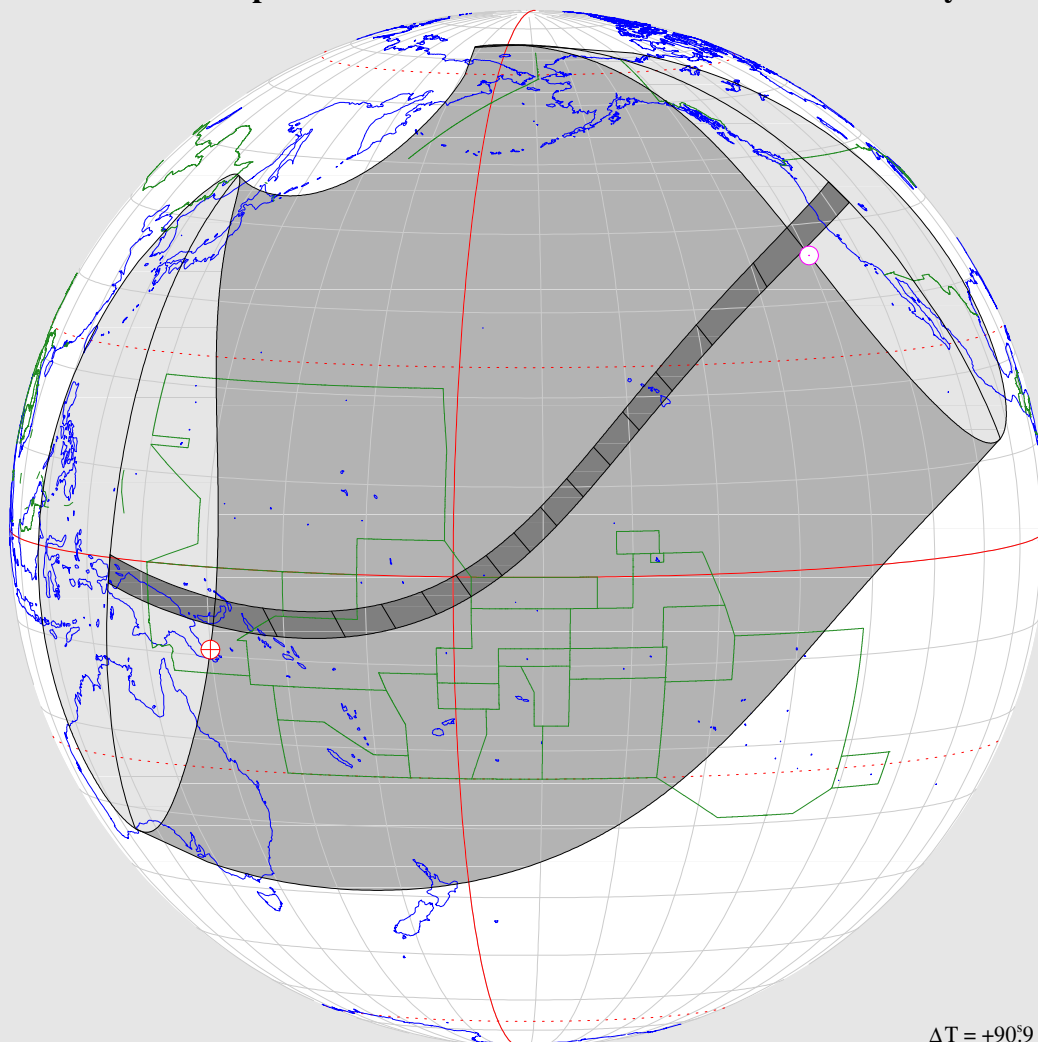


II. - Annular Eclipse of the Sun

2046 February 05-06



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$\Delta T = +90^s.9$
Globe centred on W 171°7' and N 5°4'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	20	03.8	E 149	55.4	S 9	16.4
Beginning of southern limit of umbra	21	14.2	E 134	07.7	S 2	51.5
Beginning of centre line; central eclipse begins	21	15.0	E 134	22.4	S 1	16.7
Beginning of northern limit of umbra	21	15.9	E 134	35.8	N 0	19.1
Beginning of southern limit of penumbra	21	17.5	E 123	31.5	S 33	12.9
Beginning of northern limit of penumbra	22	24.7	E 134	22.4	N 46	18.3
Central eclipse at local apparent noon	23	24.3	W 167	34.7	N 8	38.6
End of northern limit of penumbra	23	44.4	E 167	20.8	N 73	24.4
End of southern limit of penumbra	0	52.4	W 103	01.5	N 11	59.8
End of northern limit of umbra	0	53.7	W 116	16.9	N 45	12.1
End of centre line; central eclipse ends	0	54.6	W 115	38.0	N 43	39.7
End of southern limit of umbra	0	55.4	W 115	00.7	N 42	07.9
⊙ Eclipse ends; last contact with Earth	2	06.0	W 129	40.2	N 35	54.0