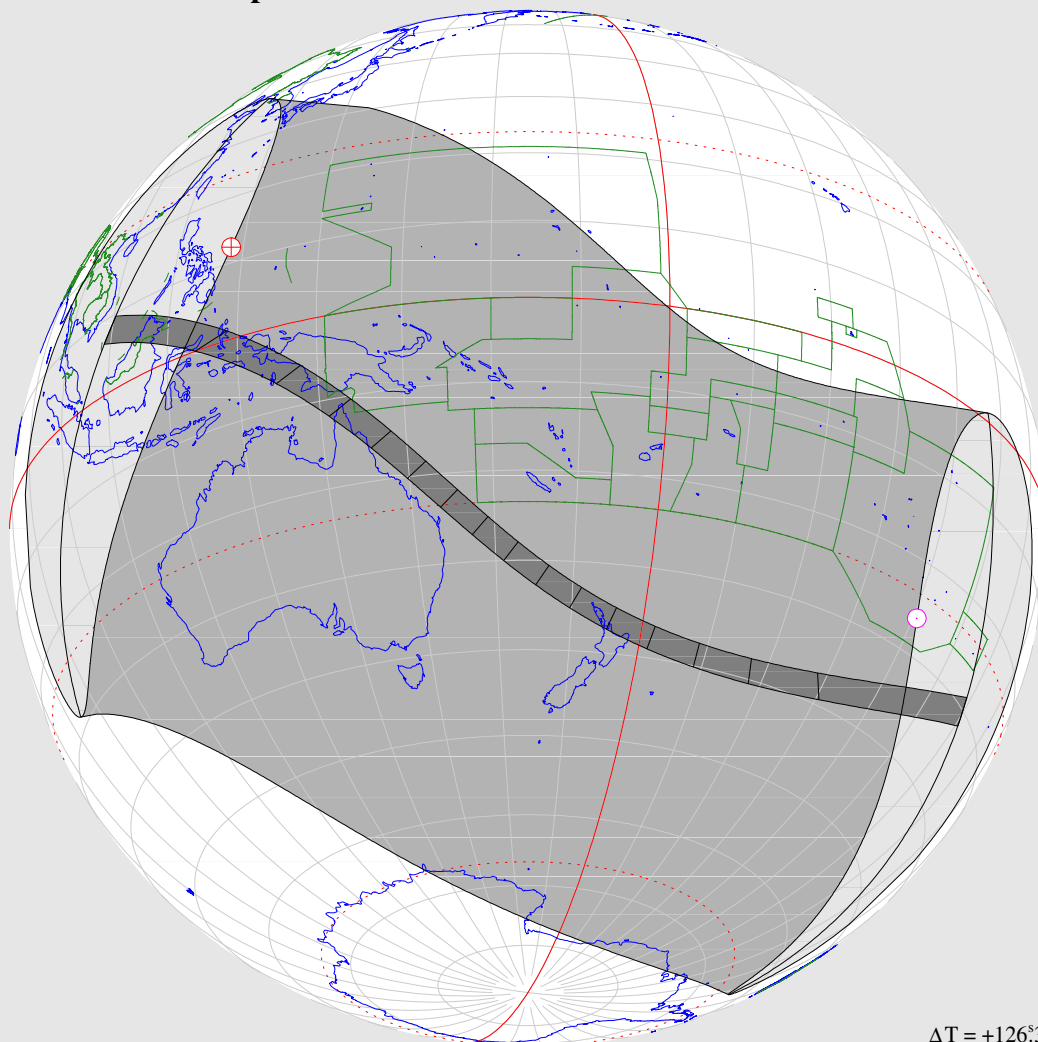


# V. - Annular Eclipse of the Sun

## 2096 November 14-15



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$\Delta T = +126^s.3$   
Globe centred on E 164°1 and S 26°5

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	21 28.4	E 128 14.4	N 12 14.3
Beginning of northern limit of penumbra	22 32.2	E 124 01.9	N 39 06.2
Beginning of northern limit of umbra	22 36.4	E 110 19.2	N 9 37.7
Beginning of centre line; central eclipse begins	22 37.5	E 109 31.9	N 8 09.4
Beginning of southern limit of umbra	22 38.7	E 108 43.6	N 6 40.5
Beginning of southern limit of penumbra	23 25.0	E 84 10.1	S 28 51.2
Central eclipse at local apparent noon	0 43.0	E 165 24.4	S 31 17.2
End of southern limit of penumbra	1 42.8	W 76 29.7	S 63 38.6
End of southern limit of umbra	2 29.4	W 119 12.5	S 31 33.2
End of centre line; central eclipse ends	2 30.6	W 120 11.4	S 30 05.8
End of northern limit of umbra	2 31.7	W 121 07.8	S 28 38.8
End of northern limit of penumbra	2 36.3	W 133 18.9	N 1 07.0
⊙ Eclipse ends; last contact with Earth	3 39.8	W 139 15.7	S 26 04.7