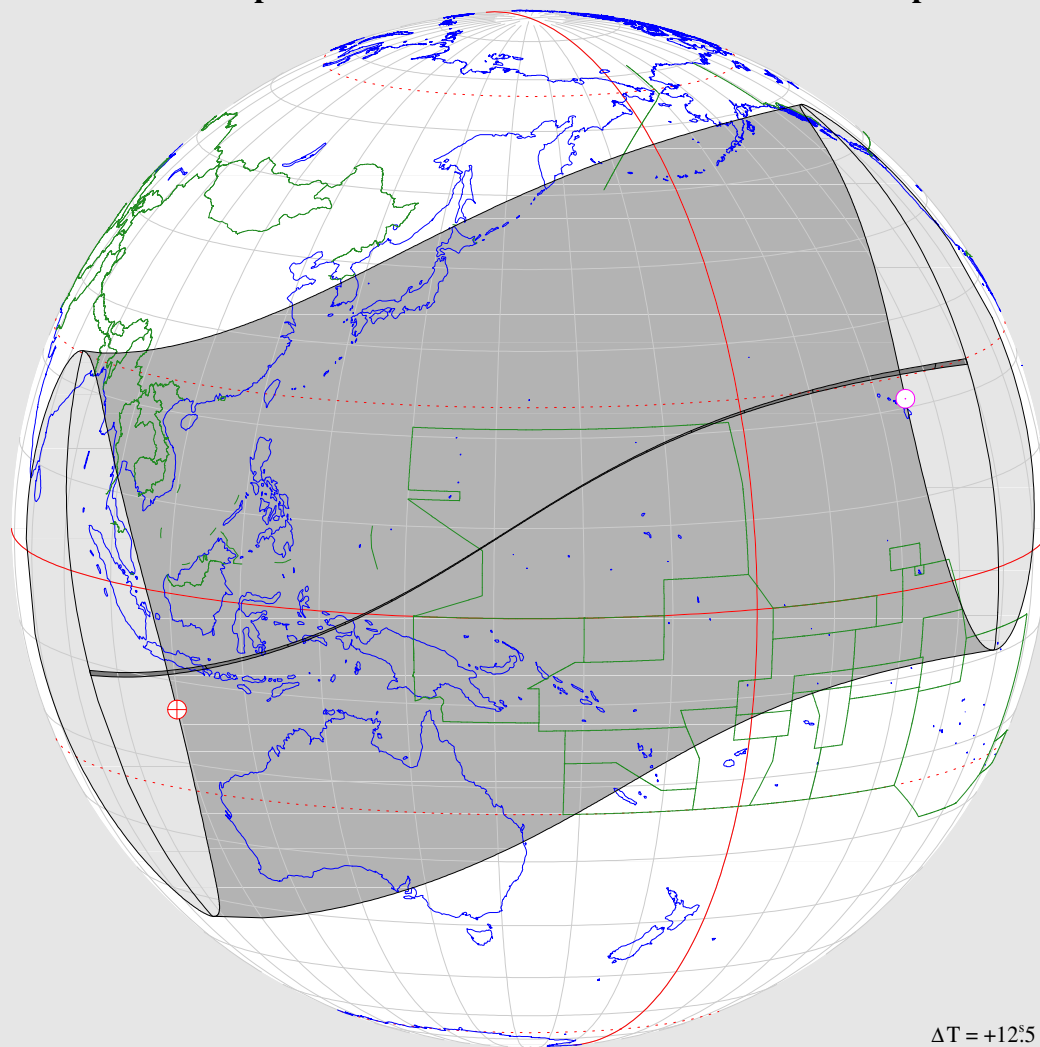


## II. - Annular Eclipse of the Sun

1810 April 03-04



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$\Delta T = +12^s.5$   
Globe centred on E 154°0 and N 10°0

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	22 50.1	E 109 34.8	S 13 24.2
Beginning of southern limit of umbra	23 51.2	E 94 08.7	S 11 34.9
Beginning of centre line; central eclipse begins	23 51.2	E 94 05.8	S 11 17.4
Beginning of northern limit of umbra	23 51.3	E 94 02.8	S 10 59.9
Beginning of southern limit of penumbra	24 00.0	E 96 00.3	S 43 47.3
Beginning of northern limit of penumbra	0 19.6	E 83 34.5	N 23 44.6
Central eclipse at local apparent noon	1 44.6	E 154 40.4	N 11 39.3
End of northern limit of penumbra	3 02.3	W 126 03.8	N 57 56.3
End of southern limit of penumbra	3 22.5	W 140 42.9	S 9 29.3
End of northern limit of umbra	3 30.8	W 139 32.0	N 23 25.7
End of centre line; central eclipse ends	3 30.9	W 139 35.5	N 23 06.8
End of southern limit of umbra	3 31.0	W 139 39.0	N 22 47.9
⊙ Eclipse ends; last contact with Earth	4 32.1	W 155 07.5	N 21 00.0