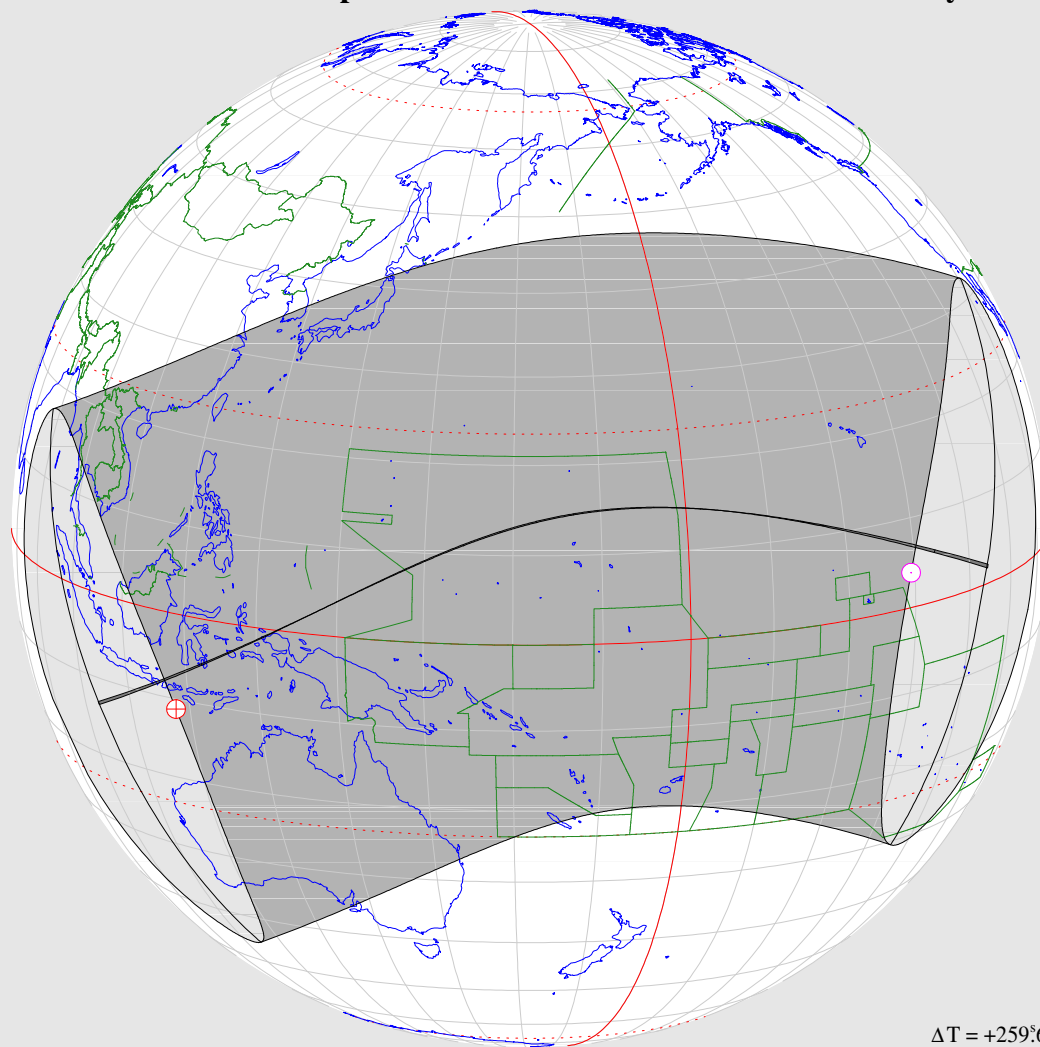


II. - Annular-Total Eclipse of the Sun

1510 May 07-08



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ΔT = +259:6
Globe centred on E 161°9' and N 13°0'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	22 20.4	E 117 46.8	S 11 13.7
Beginning of centre line; central eclipse begins	23 21.5	E 103 12.7	S 13 12.3
Beginning of northern limit of umbra	23 21.6	E 103 08.6	S 13 02.0
Beginning of southern limit of umbra	23 21.5	E 103 16.9	S 13 22.6
Beginning of southern limit of penumbra	23 39.3	E 114 36.6	S 45 05.4
Beginning of northern limit of penumbra	23 40.4	E 87 32.8	N 17 15.8
Central eclipse at local apparent noon	1 10.3	E 161 19.1	N 13 24.5
End of northern limit of penumbra	2 43.3	W 119 10.6	N 32 12.8
End of southern limit of penumbra	2 44.7	W 144 13.5	S 30 34.5
End of southern limit of umbra	3 02.3	W 136 04.3	N 1 44.7
End of northern limit of umbra	3 02.2	W 135 55.4	N 2 08.1
End of centre line; central eclipse ends	3 02.3	W 135 59.8	N 1 56.4
⊙ Eclipse ends; last contact with Earth	4 03.5	W 150 37.0	N 3 55.5