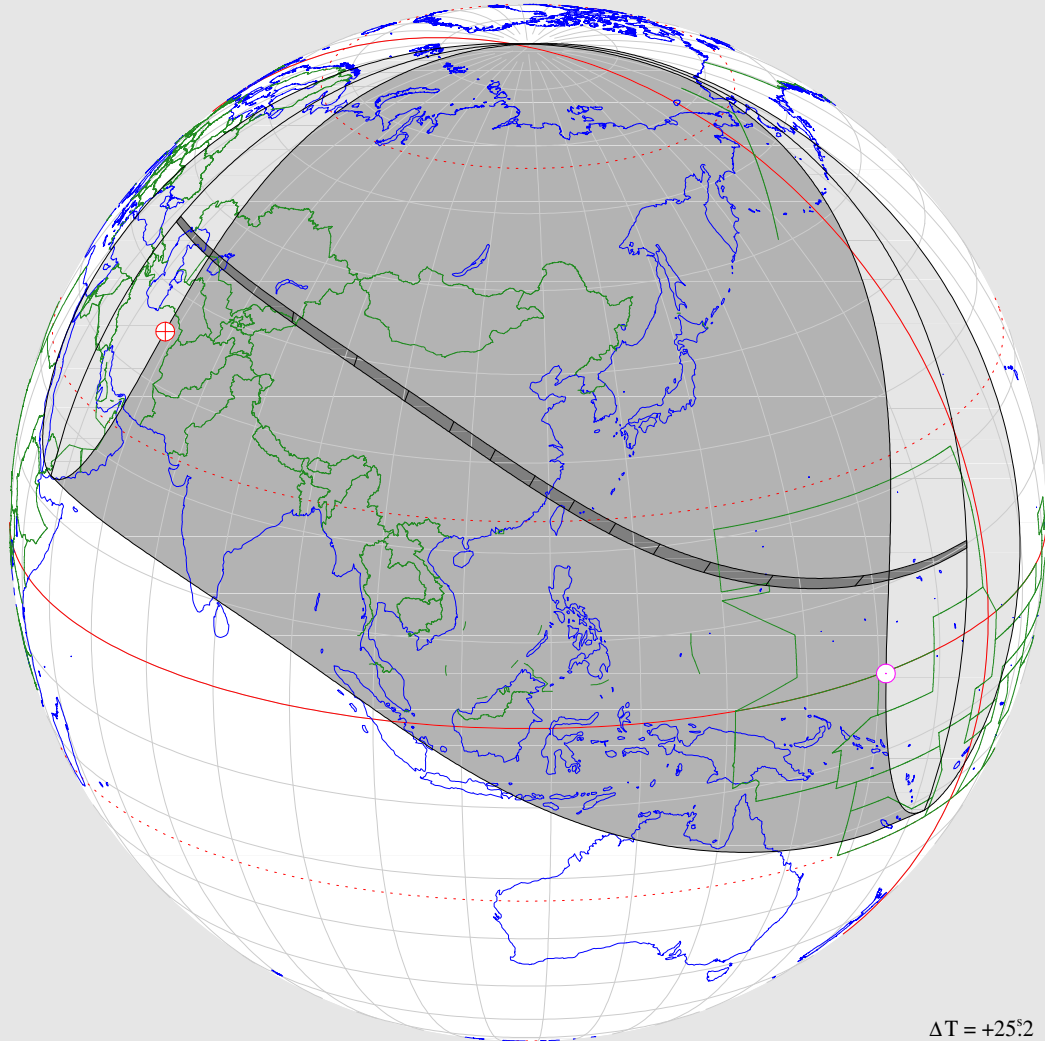


# IV. - Total Eclipse of the Sun

1941 September 21



©HM Nautical Almanac Office

$\Delta T = +25^s.2$   
Globe centred on E 117°4 and N 23°4

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	1 58.4	E 58 04.3	N 35 32.8
Beginning of southern limit of penumbra	2 47.6	E 46 11.9	N 13 33.0
Beginning of southern limit of umbra	2 59.8	E 42 27.0	N 45 20.7
Beginning of centre line; central eclipse begins	3 00.2	E 42 21.3	N 45 44.0
Beginning of northern limit of umbra	3 00.5	E 42 15.4	N 46 07.3
Central eclipse at local apparent noon	4 17.8	E 113 51.5	N 30 17.9
End of northern limit of umbra	6 06.9	E 176 44.5	N 10 22.3
End of centre line; central eclipse ends	6 07.2	E 176 38.8	N 9 57.8
End of southern limit of umbra	6 07.6	E 176 33.2	N 9 33.3
End of southern limit of penumbra	6 19.5	E 173 04.8	S 22 15.1
⊙ Eclipse ends; last contact with Earth	7 08.9	E 161 04.7	S 0 14.4