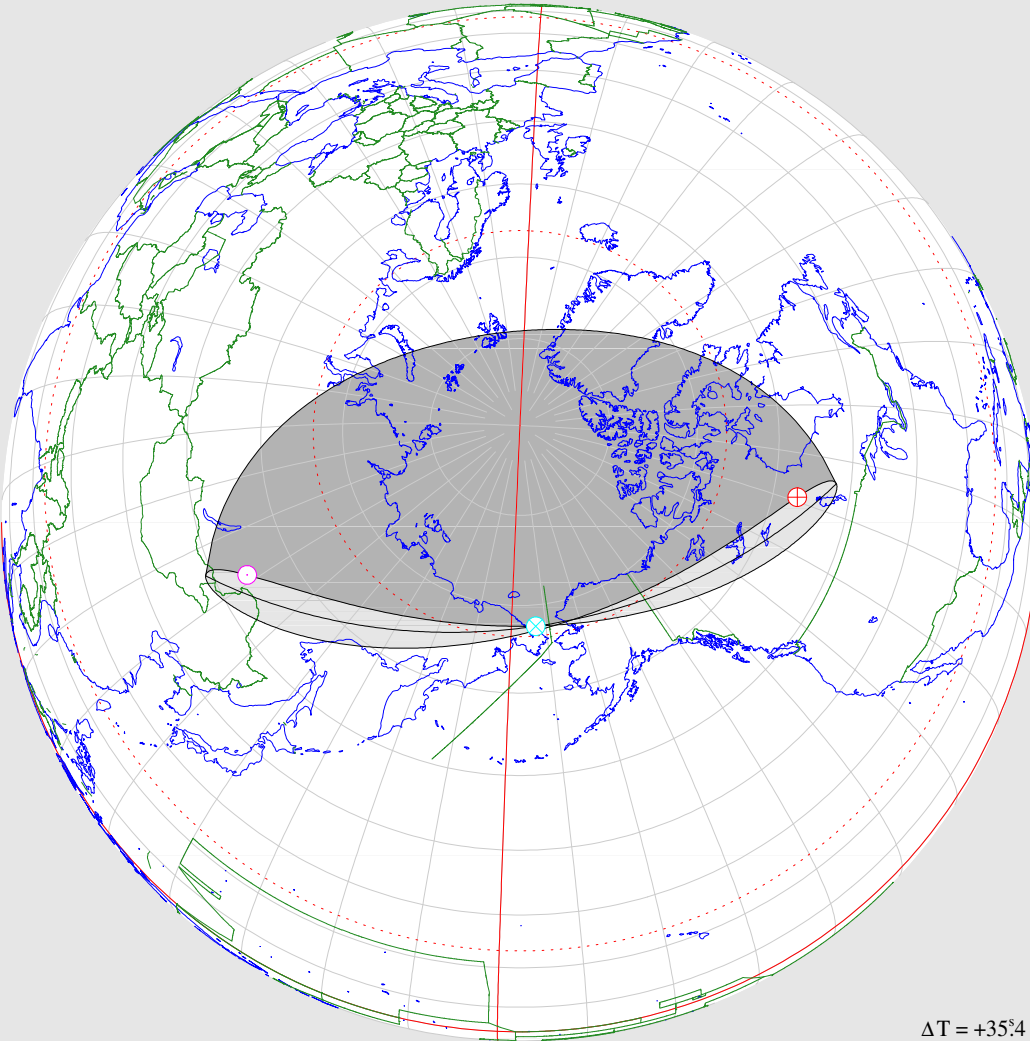


IV. - Partial Eclipse of the Sun

1964 July 09



©HM Nautical Almanac Office

$\Delta T = +35^s.4$
Globe centred on W 177°5 and N 79°2

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	10	05.3	W 99 06.0	N 56 54.1
Beginning of southern limit of penumbra	10	15.7	W 94 25.5	N 52 03.3
⊗ Greatest eclipse (magnitude = 0.3224)	11	17.3	W 172 54.8	N 67 36.0
End of southern limit of penumbra	12	19.0	E 114 47.2	N 49 03.4
○ Eclipse ends; last contact with Earth	12	29.4	E 118 32.9	N 54 08.3