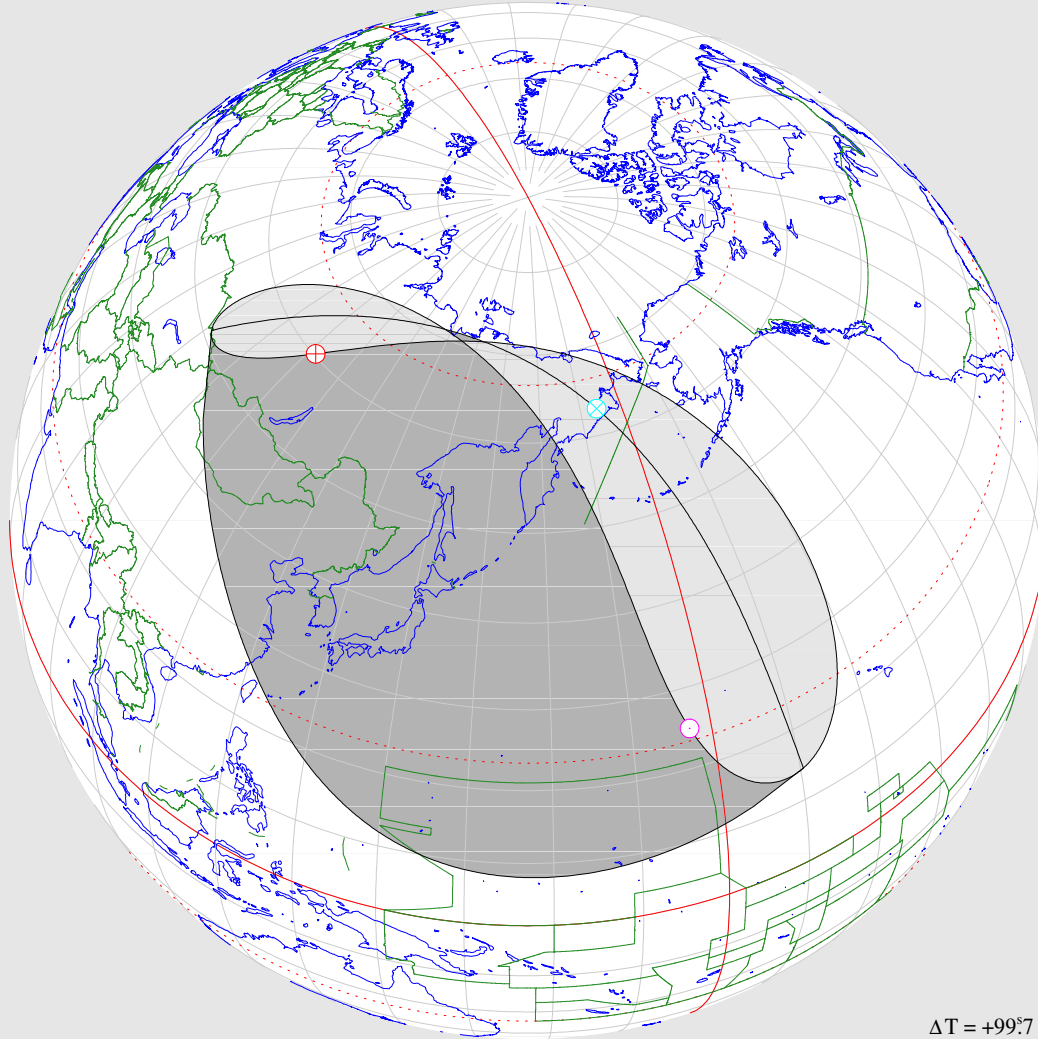


IV. - Partial Eclipse of the Sun

2058 November 16



©HM Nautical Almanac Office

$\Delta T = +99^{\text{s}}.7$
Globe centred on E 157°1 and N 51°4

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	1 23.9	E 101 33.5	N 60 12.4
Beginning of southern limit of penumbra	2 00.0	E 81 00.0	N 51 02.6
⊗ Greatest eclipse (magnitude = 0.7649)	3 21.4	E 174 01.2	N 62 58.7
End of southern limit of penumbra	4 43.1	W 169 36.8	N 14 26.0
○ Eclipse ends; last contact with Earth	5 19.2	E 177 14.2	N 25 02.1