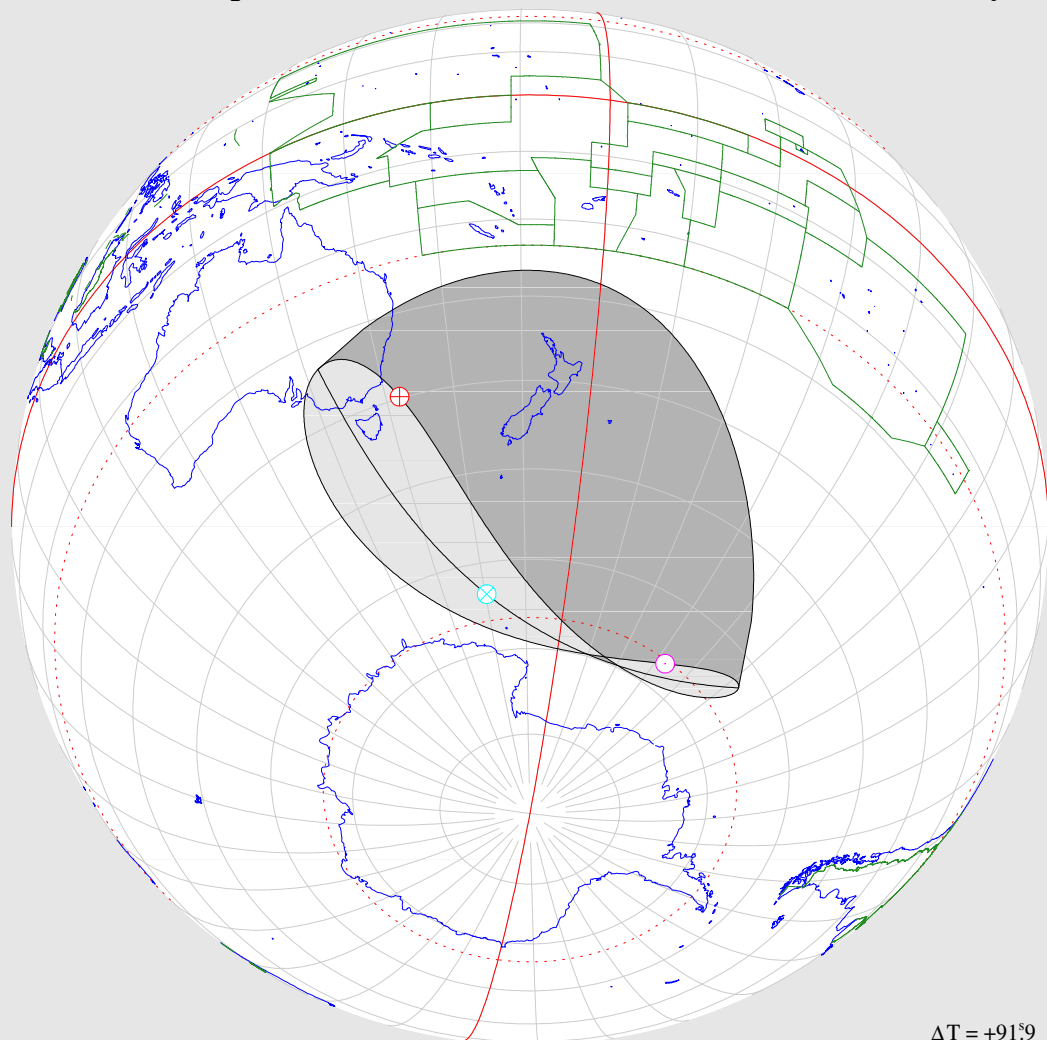


V. - Partial Eclipse of the Sun

2047 July 22



©HM Nautical Almanac Office

$\Delta T = +91^s.9$
Globe centred on E 171°1 and S 56°4

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	21 09.8	E 151 59.5	S 39 47.1
Beginning of northern limit of penumbra	21 35.2	E 141 47.6	S 33 18.3
⊗ Greatest eclipse (magnitude = 0.3605)	22 34.7	E 160 18.1	S 63 30.2
End of northern limit of penumbra	23 33.9	W 127 16.2	S 62 46.8
○ Eclipse ends; last contact with Earth	23 59.3	W 147 18.2	S 66 52.8