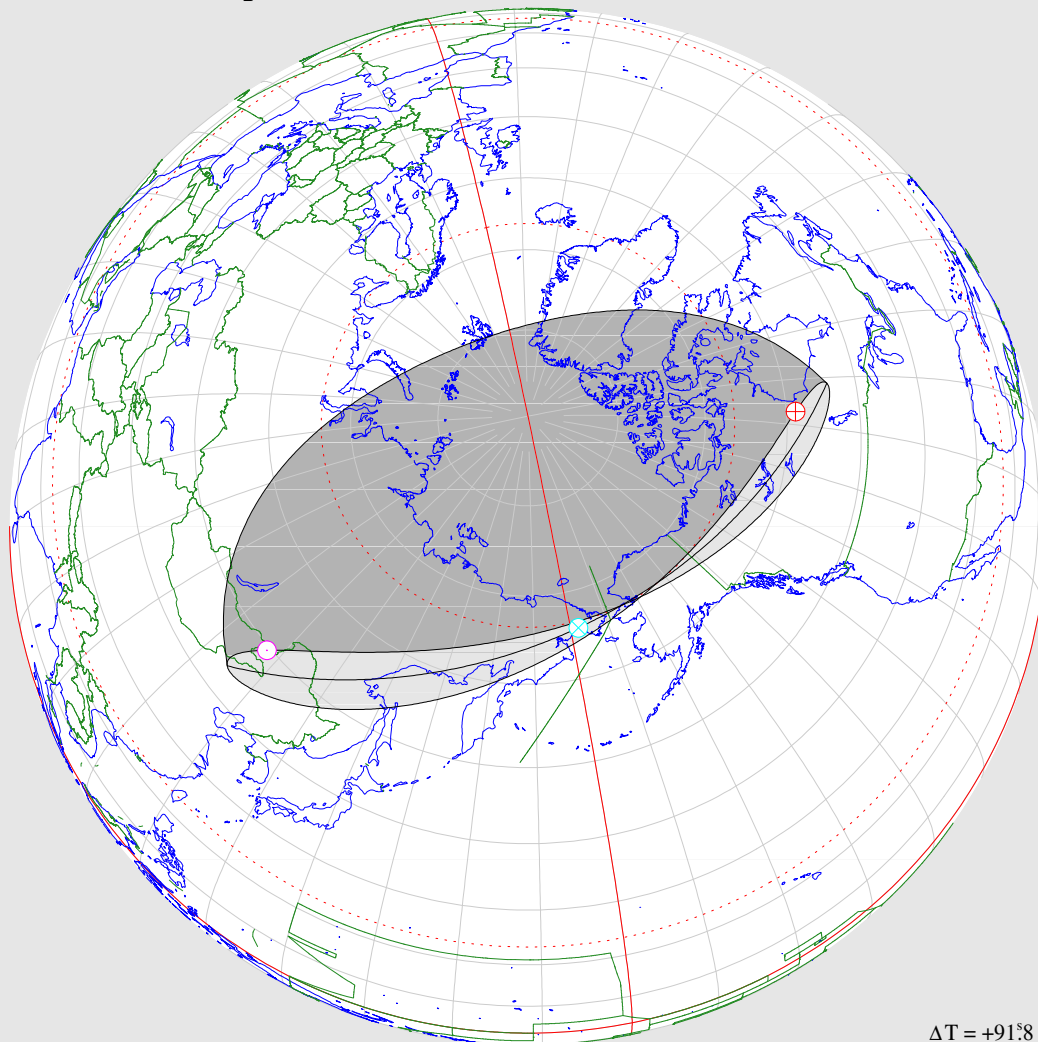


III. - Partial Eclipse of the Sun

2047 June 23



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$\Delta T = +91^s.8$
Globe centred on E 168°4 and N 77°7

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	9 28.0	W 97 05.9	N 58 48.6
Beginning of southern limit of penumbra	9 39.8	W 91 07.8	N 54 06.3
⊗ Greatest eclipse (magnitude = 0.3132)	10 51.0	W 177 53.7	N 65 46.6
End of southern limit of penumbra	12 02.2	E 114 41.7	N 43 57.1
○ Eclipse ends; last contact with Earth	12 14.0	E 117 32.9	N 49 30.4