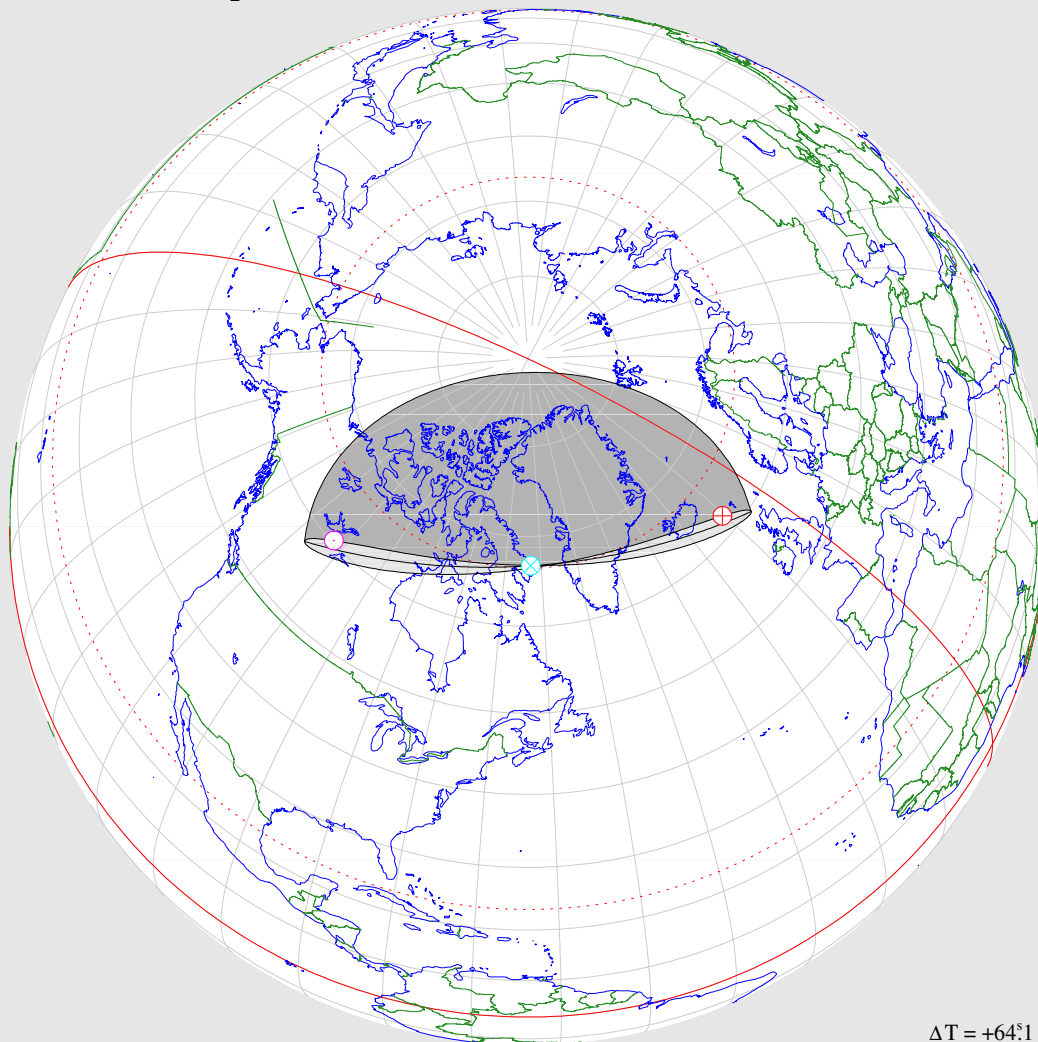


II. - Partial Eclipse of the Sun

1638 June 12



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$\Delta T = +64^s.1$
Globe centred on W 63°7' and N 71°1'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	3 05.5	W 10 29.2	N62 04.1
Beginning of southern limit of penumbra	3 12.2	W 5 15.1	N59 38.0
⊗ Greatest eclipse (magnitude = 0.1372)	3 54.6	W 62 55.0	N66 46.4
End of southern limit of penumbra	4 37.1	W117 09.8	N57 34.3
○ Eclipse ends; last contact with Earth	4 43.7	W112 40.8	N60 15.2