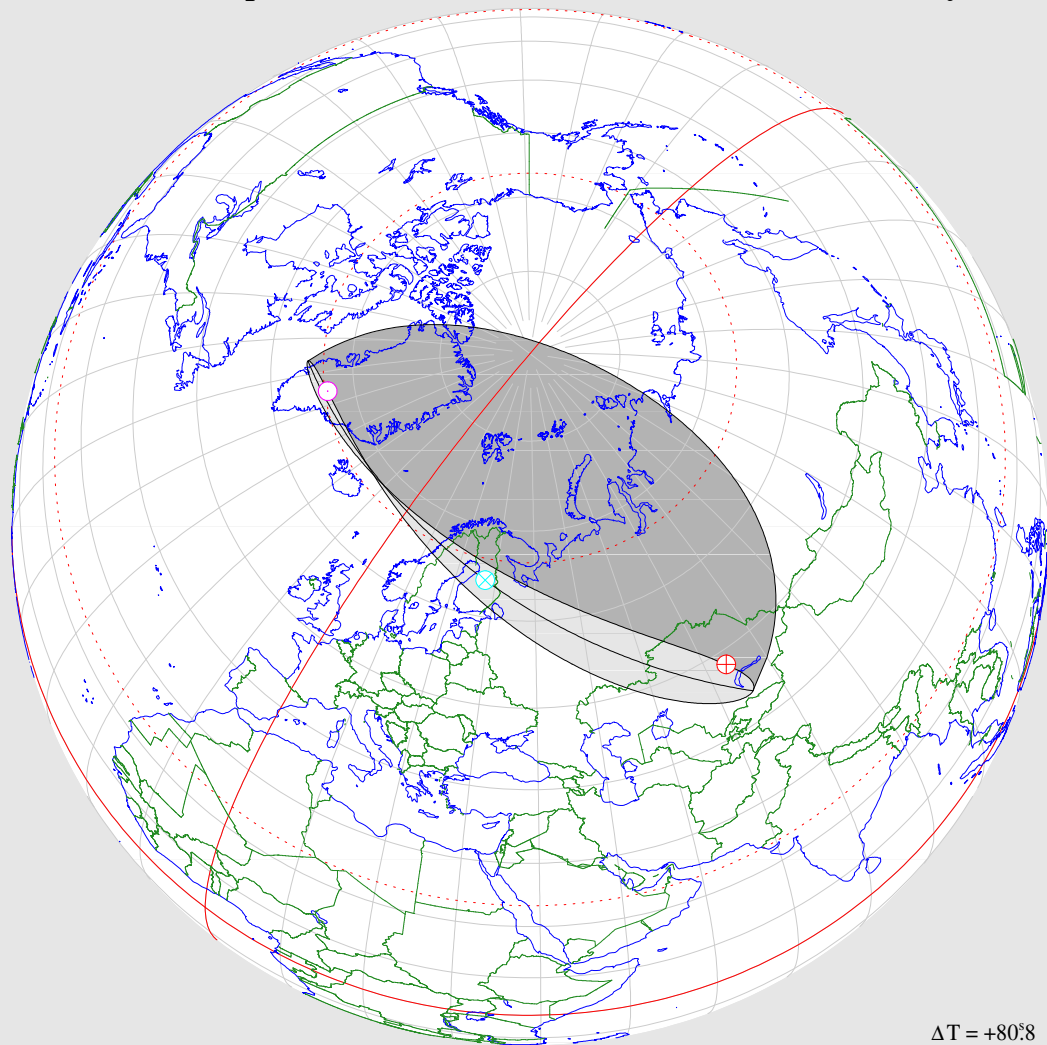


III. - Partial Eclipse of the Sun

1631 May 30-31



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$\Delta T = +80^s.8$
Globe centred on E 38°8' and N 70°5'

Circumstances	Time (UT)		Longitude	Latitude
	^h	^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	23	15.6	E 73 30.9	N 48 20.0
Beginning of southern limit of penumbra	23	25.2	E 75 20.6	N 43 43.0
⊗ Greatest eclipse (magnitude = 0.1998)	0	24.3	E 27 23.1	N 64 06.9
End of southern limit of penumbra	1	22.9	W 53 46.2	N 64 37.1
⊙ Eclipse ends; last contact with Earth	1	32.5	W 44 09.0	N 66 51.0