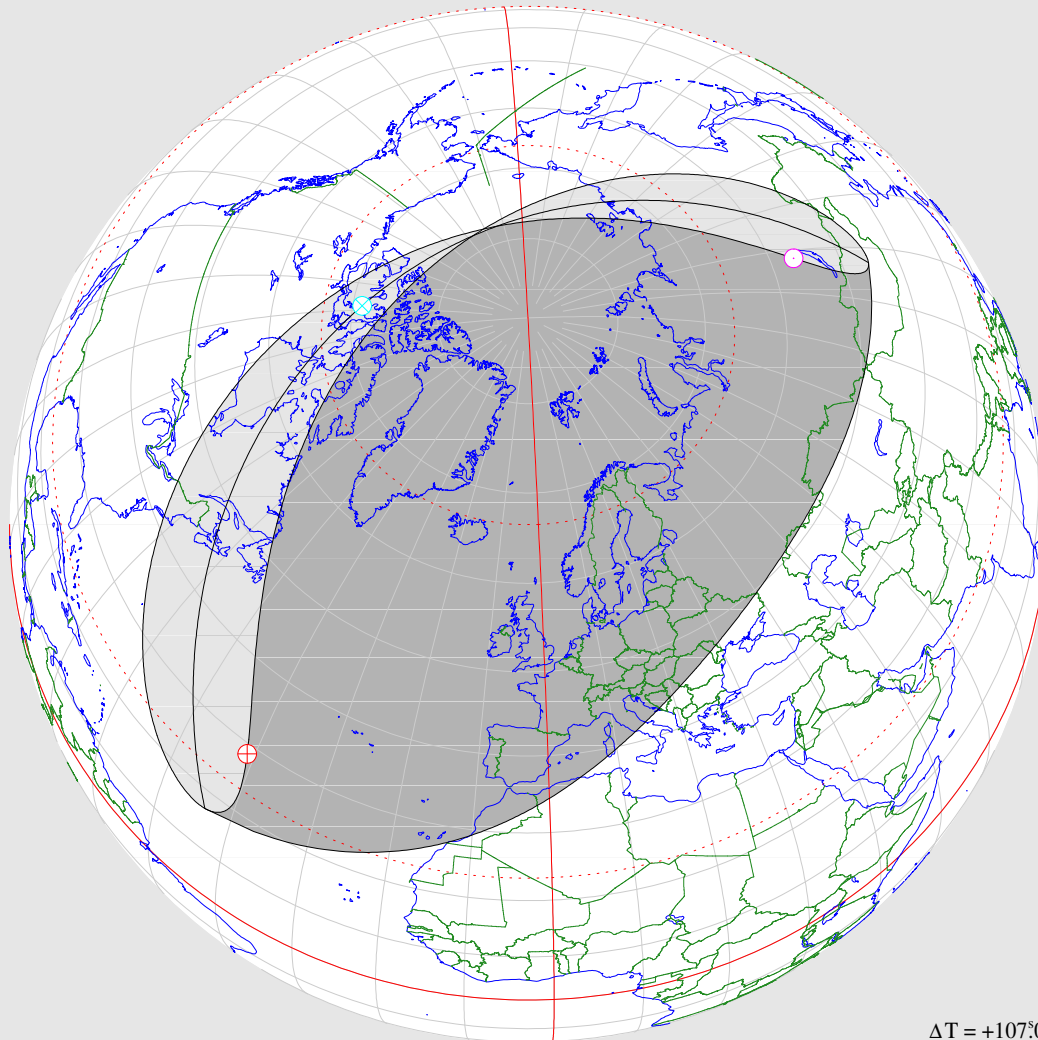


# I. - Partial Eclipse of the Sun

2069 April 21



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$\Delta T = +107^{\circ}0$   
Globe centred on W 2°9' and N 66°5'

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	8	15.8	W 41 00.1	N 28 38.0
Beginning of southern limit of penumbra	8	38.0	W 43 36.3	N 17 04.9
⊗ Greatest eclipse (magnitude = 0.8996)	10	09.4	W 101 35.7	N 71 06.8
End of southern limit of penumbra	11	40.5	E 107 13.1	N 45 36.3
○ Eclipse ends; last contact with Earth	12	02.7	E 108 07.2	N 56 42.3