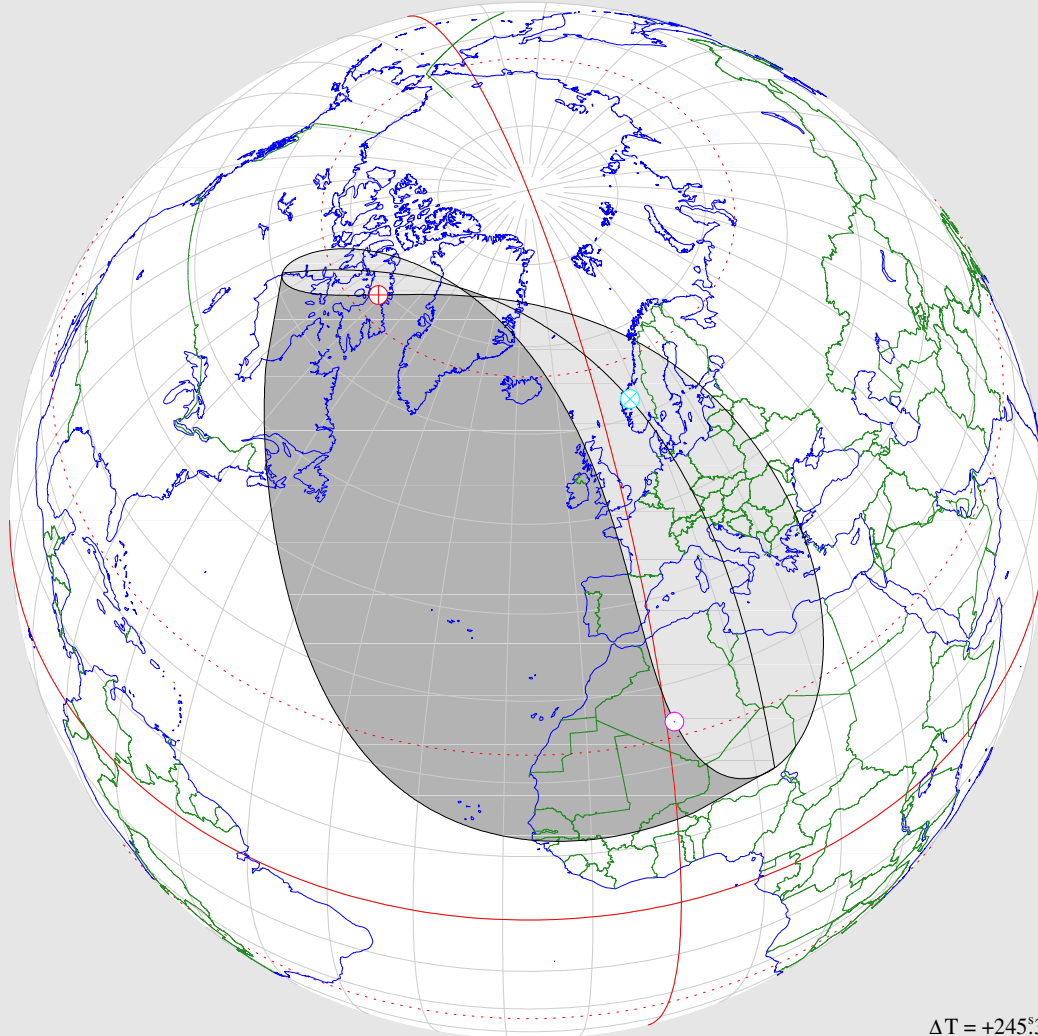


IV. - Partial Eclipse of the Sun

1519 October 23



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$\Delta T = +245^s.3$
Globe centred on W 17°2 and N 50°4

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	13 21.7	W 71 24.2	N 69 09.3
Beginning of southern limit of penumbra	13 55.2	W 94 50.7	N 60 59.4
⊗ Greatest eclipse (magnitude = 0.6100)	15 16.4	E 7 35.4	N 62 00.9
End of southern limit of penumbra	16 38.0	E 12 23.6	N 15 23.5
◯ Eclipse ends; last contact with Earth	17 11.5	E 1 01.3	N 25 23.8