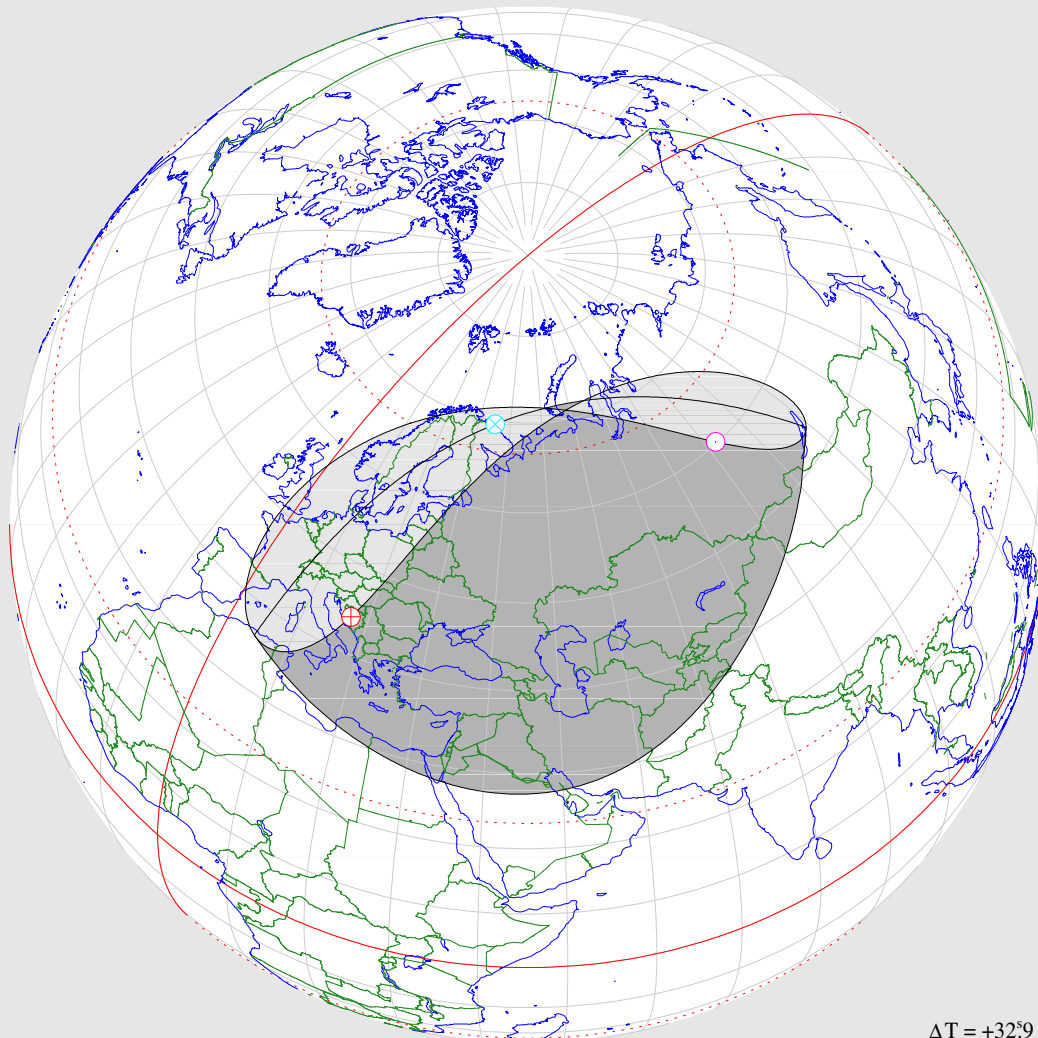


I. - Partial Eclipse of the Sun

1664 January 28



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$\Delta T = +32^s.9$
Globe centred on E 45°6' and N 58°7'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	6	19.5	E 17	11.9	N 44	07.0
Beginning of southern limit of penumbra	6	50.9	E 4	41.5	N 36	16.9
⊗ Greatest eclipse (magnitude = 0.4380)	8	01.9	E 35	09.4	N 69	34.8
End of southern limit of penumbra	9	12.7	E 109	09.4	N 53	10.9
○ Eclipse ends; last contact with Earth	9	44.2	E 92	20.0	N 60	11.4