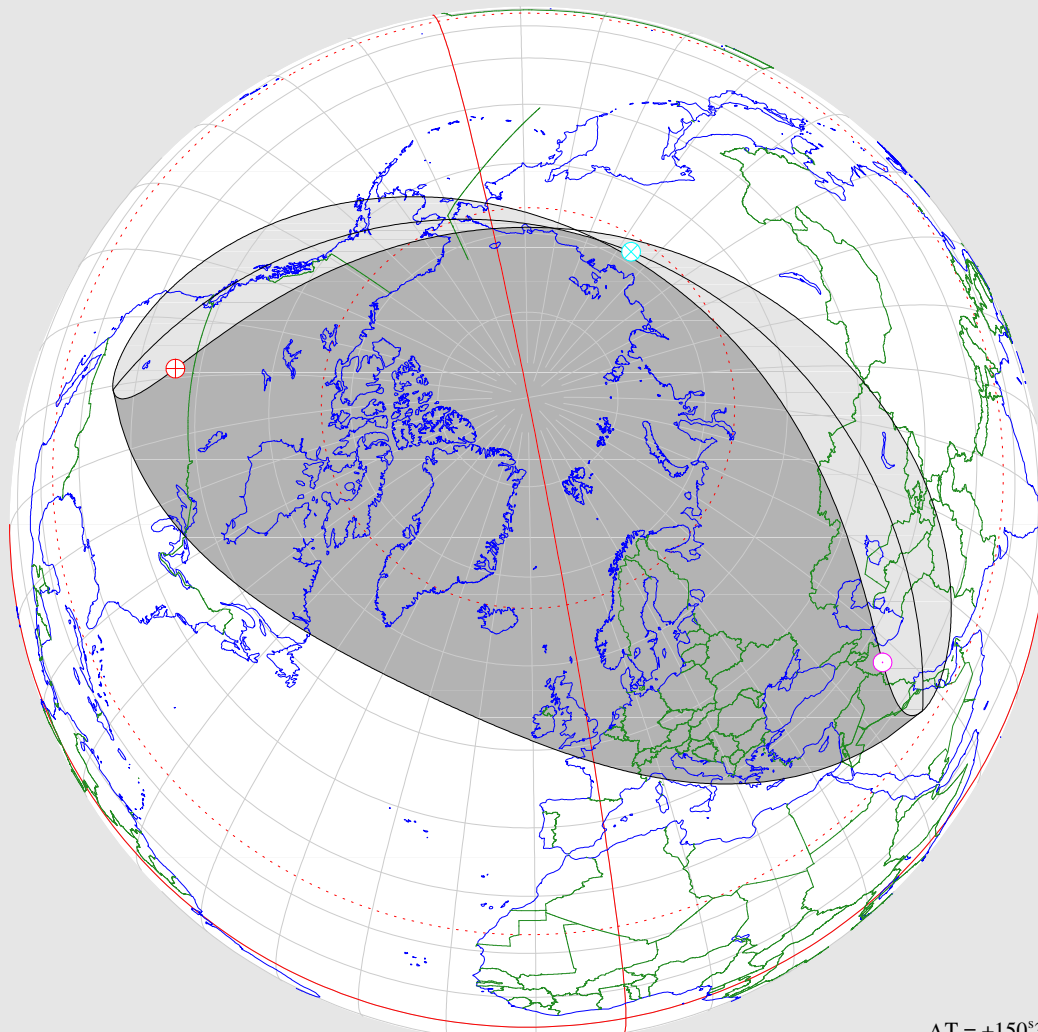


V. - Partial Eclipse of the Sun

1591 July 20



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$\Delta T = +150^s.3$
Globe centred on W 10°9' and N 75°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	11	58.2	W111	32.8	N46	12.0
Beginning of southern limit of penumbra	12	19.0	W109	25.2	N35	57.6
⊗ Greatest eclipse (magnitude = 0.8253)	13	59.6	E 136	12.6	N68	30.8
End of southern limit of penumbra	15	40.3	E 46	50.8	N25	47.3
○ Eclipse ends; last contact with Earth	16	01.2	E 47	17.7	N36	23.6