

I. - Partial Eclipse of the Sun

1682 February 07



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$\Delta T = +14^s 0$
Globe centred on W 80°9 and N 60°6

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	14 19.5	W106 34.0	N43 06.6
Beginning of southern limit of penumbra	14 48.3	W117 25.6	N35 11.4
⊗ Greatest eclipse (magnitude = 0.4104)	15 59.1	W 96 38.8	N70 31.2
End of southern limit of penumbra	17 09.6	W 9 37.3	N58 27.3
○ Eclipse ends; last contact with Earth	17 38.4	W 26 45.2	N65 23.5