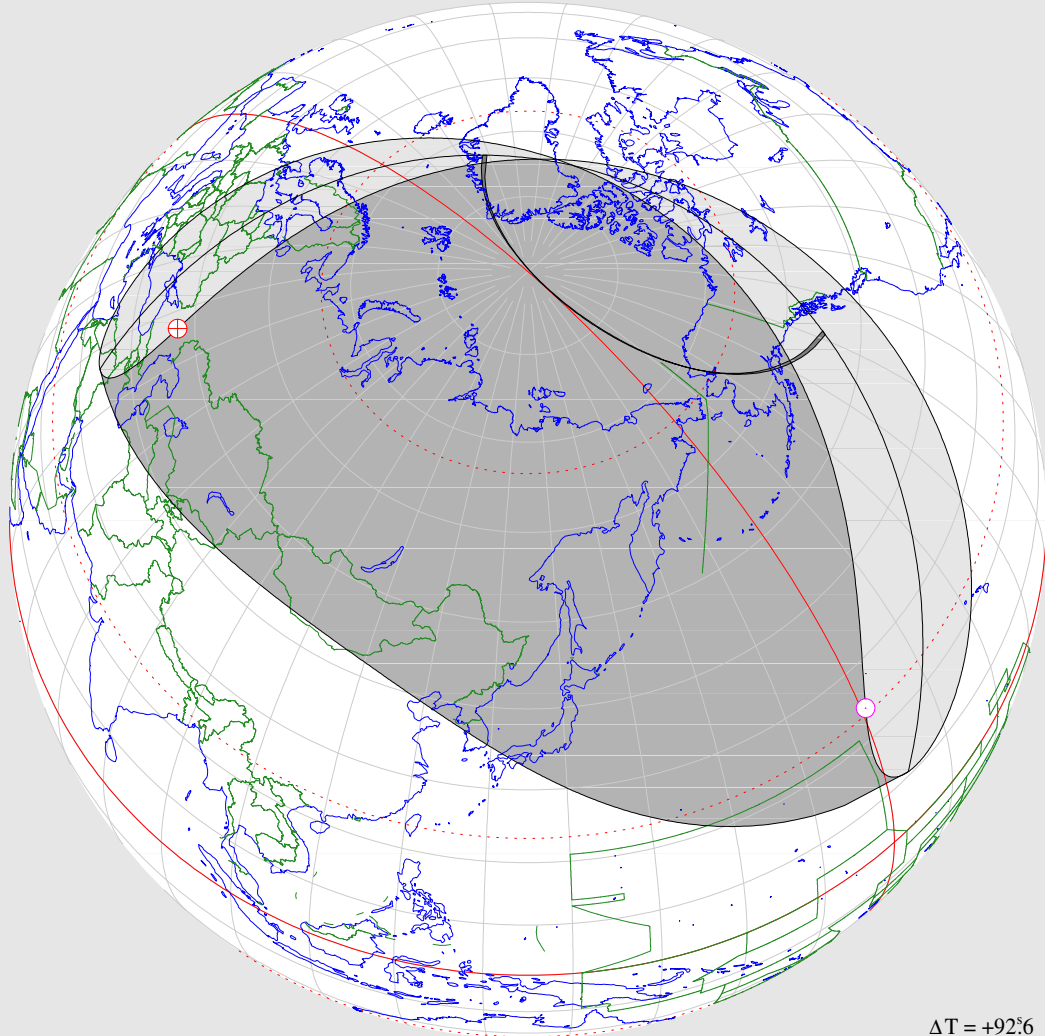


IV. - Annular-Total Eclipse of the Sun

1627 August 11



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$\Delta T = +92^{\text{s}}.6$
Globe centred on E 135°0' and N 61°3'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	2 00.8	E 43 23.4	N47 27.5
Beginning of southern limit of penumbra	2 28.0	E 43 15.9	N34 17.0
Beginning of southern limit of umbra	3 38.8	W 27 42.6	N72 54.5
Beginning of centre line; central eclipse begins	3 39.2	W 28 25.9	N72 59.5
Beginning of northern limit of umbra	3 39.5	W 29 10.1	N73 04.5
Central eclipse at local apperent midnight	3 53.2	W 57 08.4	N89 41.6
End of northern limit of umbra	4 52.0	W138 18.3	N55 18.0
End of centre line; central eclipse ends	4 52.4	W138 36.0	N55 05.7
End of southern limit of umbra	4 52.8	W138 53.3	N54 53.6
End of southern limit of penumbra	6 03.4	W176 43.0	N10 41.3
⊙ Eclipse ends; last contact with Earth	6 30.8	W179 23.1	N24 17.0