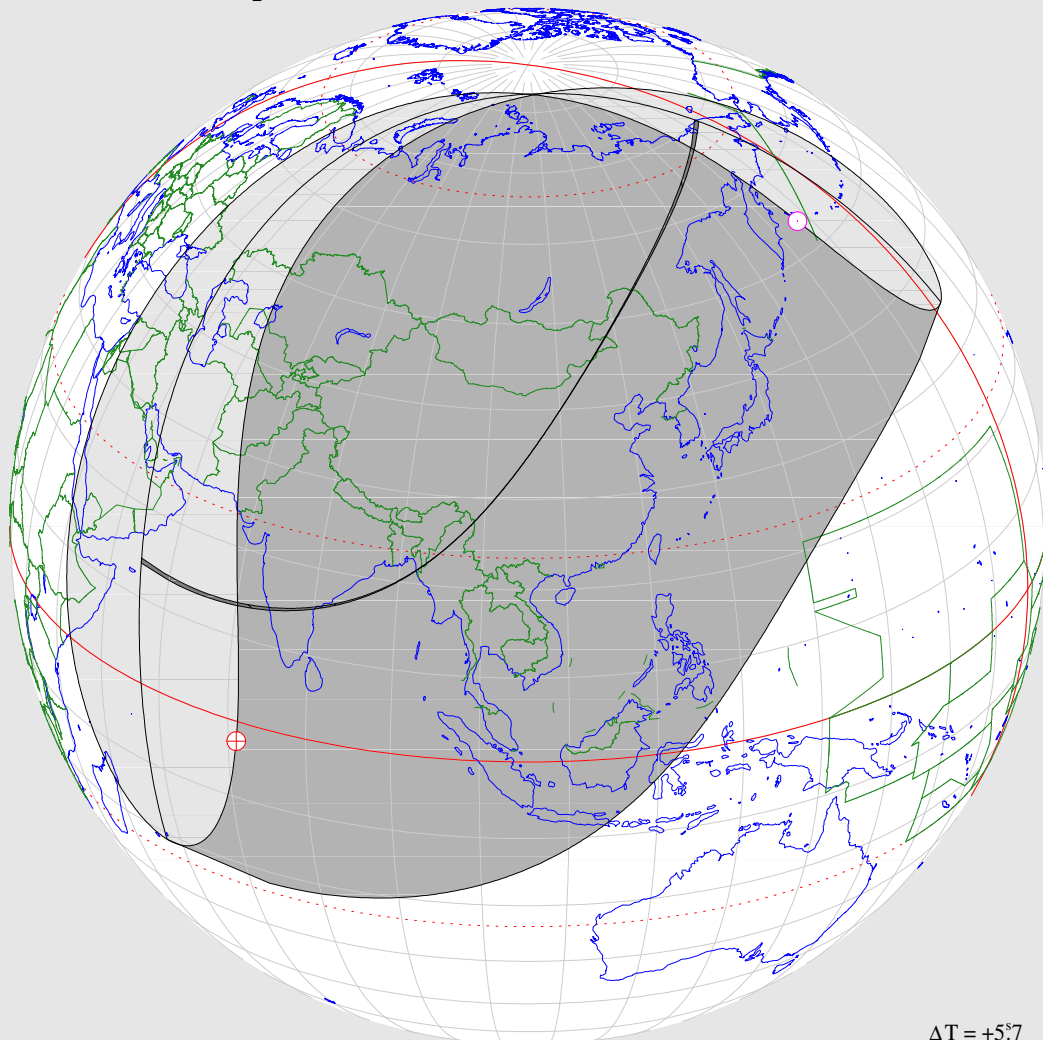


## II. - Annular Eclipse of the Sun

1840 March 04



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$\Delta T = +5^s.7$   
Globe centred on E 105°4 and N 27°0

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	1 26.5	E 71 06.7	S 2 30.4
Beginning of southern limit of penumbra	2 13.5	E 57 08.1	S 21 07.3
Beginning of southern limit of umbra	2 37.5	E 55 12.6	N 13 47.0
Beginning of centre line; central eclipse begins	2 37.8	E 55 09.6	N 14 03.3
Beginning of northern limit of umbra	2 38.2	E 55 06.5	N 14 19.7
Central eclipse at local apparent noon	4 37.5	E 113 37.2	N 43 39.8
End of northern limit of umbra	5 17.9	E 175 33.1	N 70 00.8
End of centre line; central eclipse ends	5 18.2	E 175 42.6	N 69 46.7
End of southern limit of umbra	5 18.5	E 175 51.7	N 69 32.6
End of southern limit of penumbra	5 42.9	W 177 17.2	N 35 16.7
⊙ Eclipse ends; last contact with Earth	6 29.7	E 166 48.7	N 53 41.5