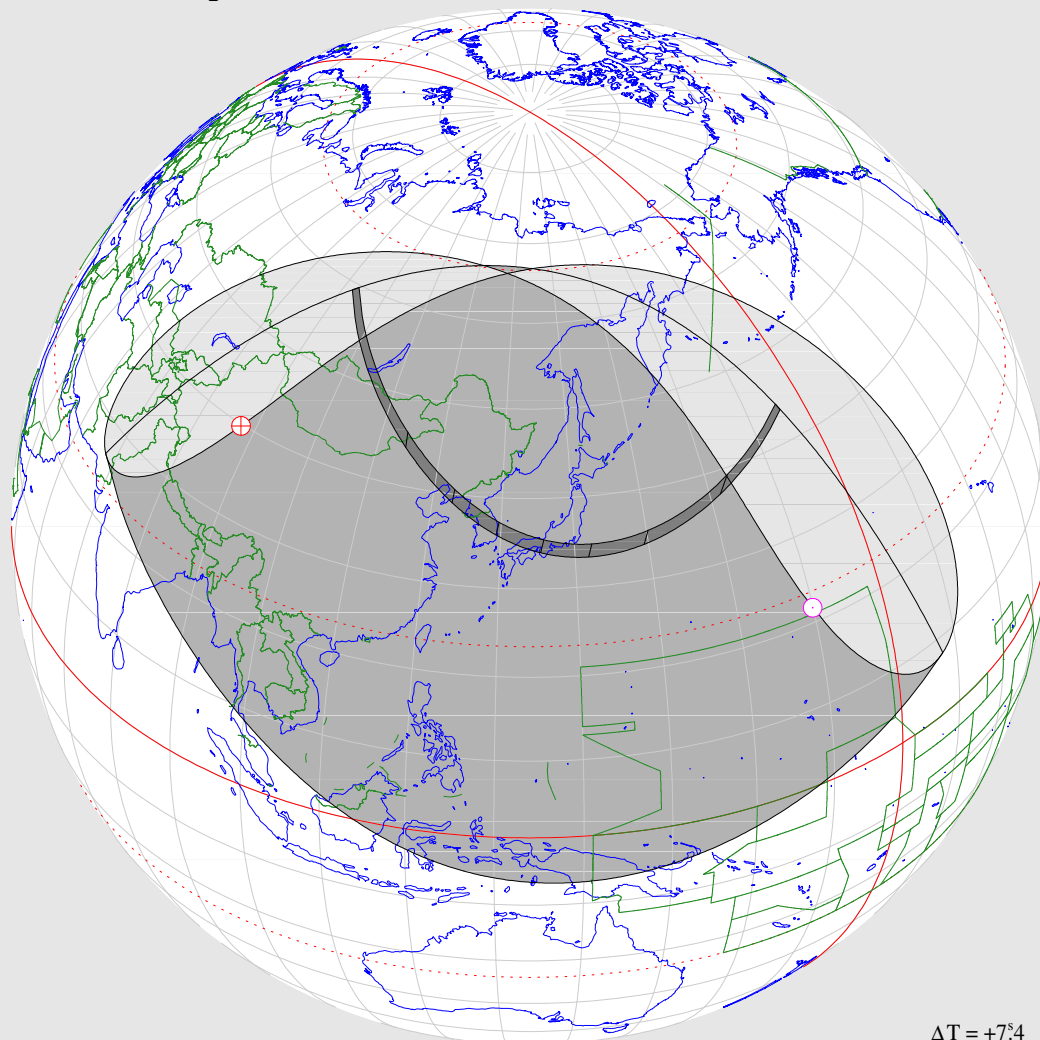


V. - Total Eclipse of the Sun

1852 December 11



$\Delta T = +7^s.4$

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Globe centred on E 134°0 and N 36°9

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	1	26.5	E 87 29.1	N 39 47.8
Beginning of southern limit of penumbra	2	11.5	E 67 46.0	N 26 34.1
Beginning of southern limit of umbra	2	46.2	E 92 06.7	N 59 06.5
Beginning of centre line; central eclipse begins	2	46.8	E 92 38.0	N 59 24.4
Beginning of northern limit of umbra	2	47.5	E 93 10.4	N 59 42.2
Central eclipse at local apparent noon	3	24.5	E 127 14.6	N 37 35.0
End of northern limit of umbra	4	33.9	E 175 24.0	N 44 18.2
End of centre line; central eclipse ends	4	34.5	E 175 34.7	N 43 55.4
End of southern limit of umbra	4	35.2	E 175 45.0	N 43 32.9
End of southern limit of penumbra	5	09.8	W 172 27.1	N 7 56.1
⊙ Eclipse ends; last contact with Earth	5	54.9	E 169 56.5	N 21 40.3