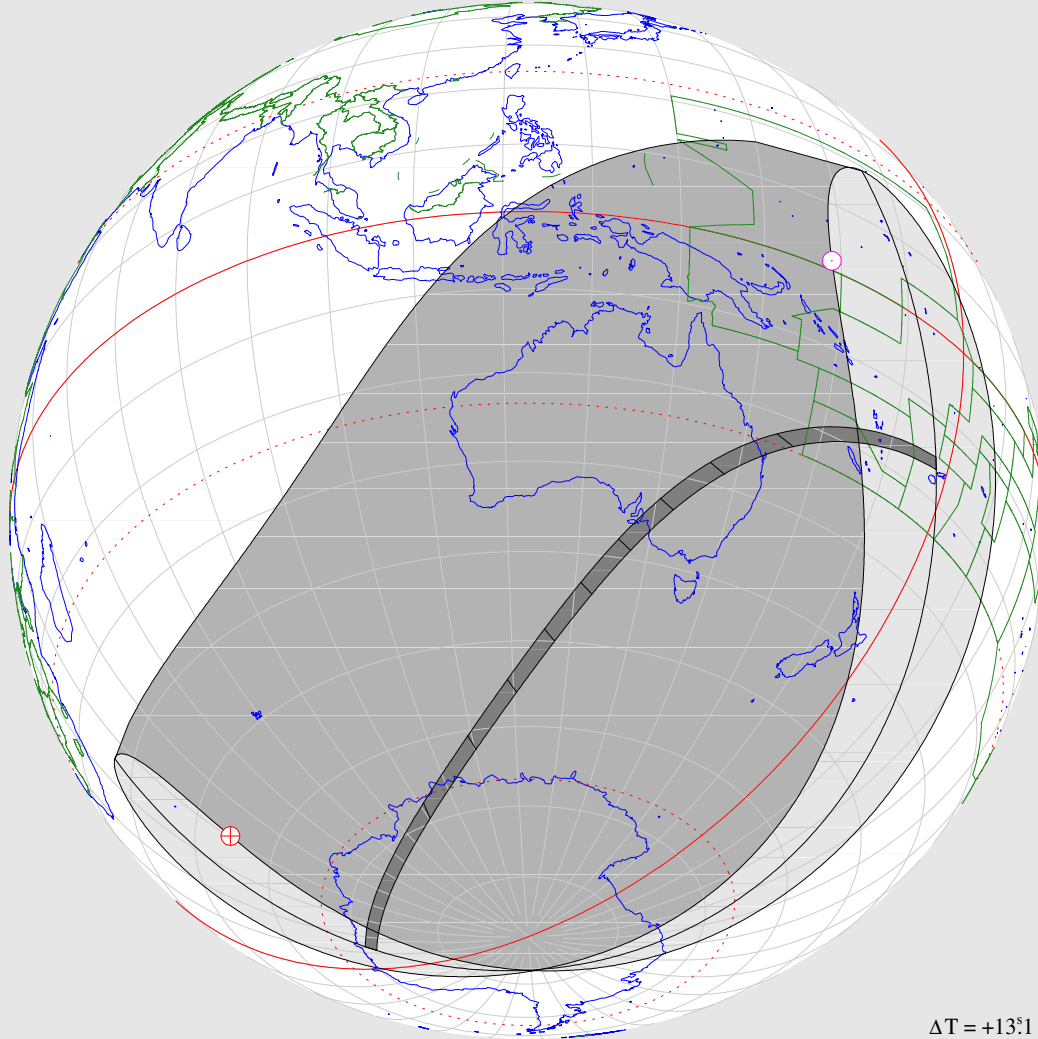


# I. - Total Eclipse of the Sun

1802 March 04



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$\Delta T = +13^s.1$   
Globe centred on E 122°8' and S 36°6'

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	2 52.1	E 40 27.3	S 54 36.6
Beginning of northern limit of penumbra	3 28.9	E 35 42.8	S 37 02.9
Beginning of northern limit of umbra	3 59.2	E 13 44.4	S 70 34.4
Beginning of centre line; central eclipse begins	4 00.0	E 12 49.4	S 71 10.7
Beginning of southern limit of umbra	4 00.9	E 11 50.9	S 71 47.2
Central eclipse at local apparent noon	4 35.7	E 114 06.9	S 59 00.0
End of southern limit of umbra	6 28.0	E 178 00.9	S 16 28.1
End of centre line; central eclipse ends	6 28.9	E 177 43.3	S 15 49.5
End of northern limit of umbra	6 29.7	E 177 26.1	S 15 11.4
End of northern limit of penumbra	6 59.7	E 165 47.5	N 19 06.8
⊙ Eclipse ends; last contact with Earth	7 36.7	E 158 42.5	N 1 19.7