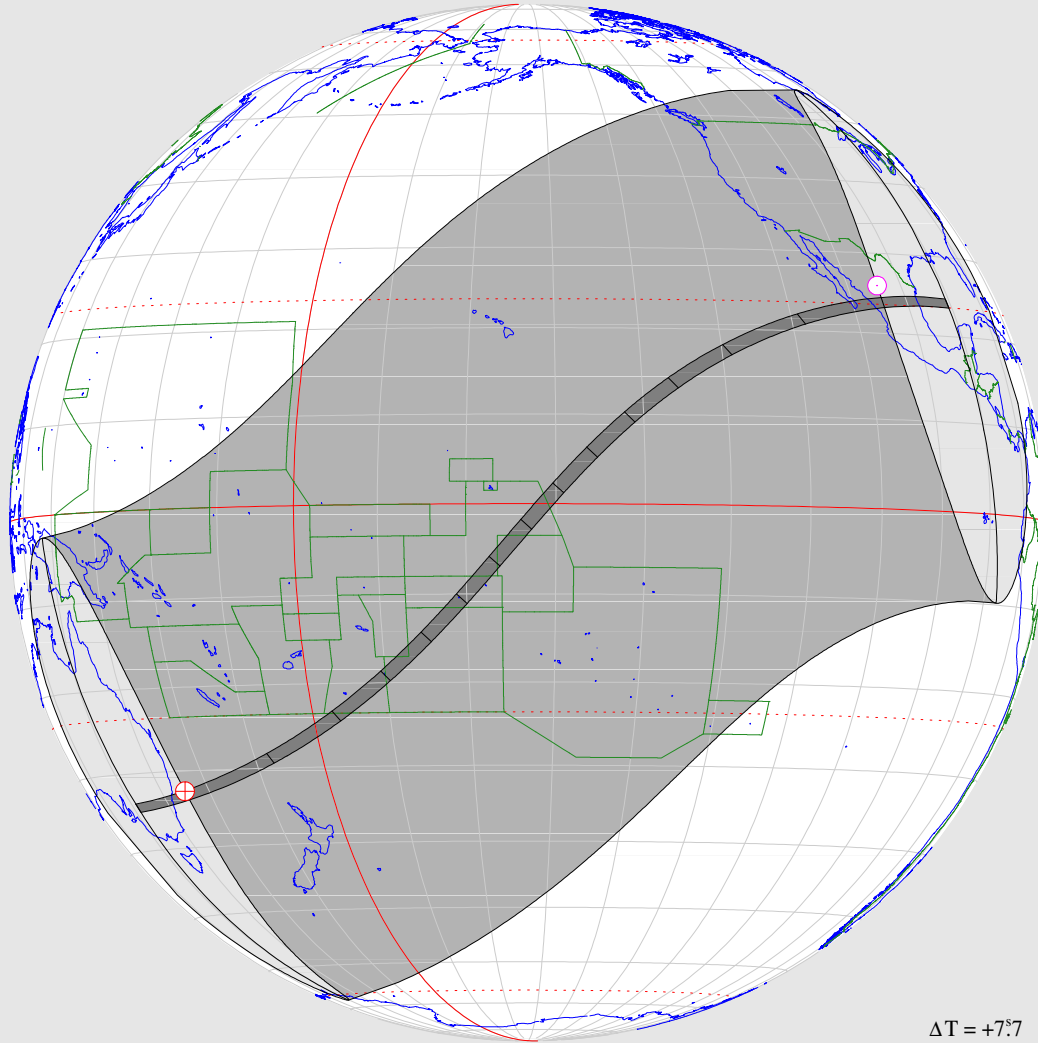


I. - Total Eclipse of the Sun

1857 March 25-26



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$\Delta T = +7^s.7$
Globe centred on W 153°1 and S 2°1

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	19	50.4	E 155	11.9	S 32	31.6
Beginning of northern limit of umbra	20	46.2	E 141	18.9	S 33	47.1
Beginning of centre line; central eclipse begins	20	46.3	E 141	19.5	S 34	19.5
Beginning of southern limit of umbra	20	46.3	E 141	20.0	S 34	51.9
Beginning of northern limit of penumbra	20	57.4	E 137	13.5	S 2	27.9
Beginning of southern limit of penumbra	21	08.2	E 139	32.0	S 67	59.3
Central eclipse at local apparent noon	22	24.3	W 154	36.4	S 3	48.5
End of southern limit of penumbra	23	51.2	W 86	41.6	S 9	47.0
End of northern limit of penumbra	0	01.2	W 85	44.3	N 55	48.3
End of southern limit of umbra	0	12.7	W 90	47.1	N 23	29.0
End of centre line; central eclipse ends	0	12.8	W 90	46.8	N 24	02.2
End of northern limit of umbra	0	12.8	W 90	46.3	N 24	35.3
⊙ Eclipse ends; last contact with Earth	1	08.6	W 104	39.1	N 25	50.1