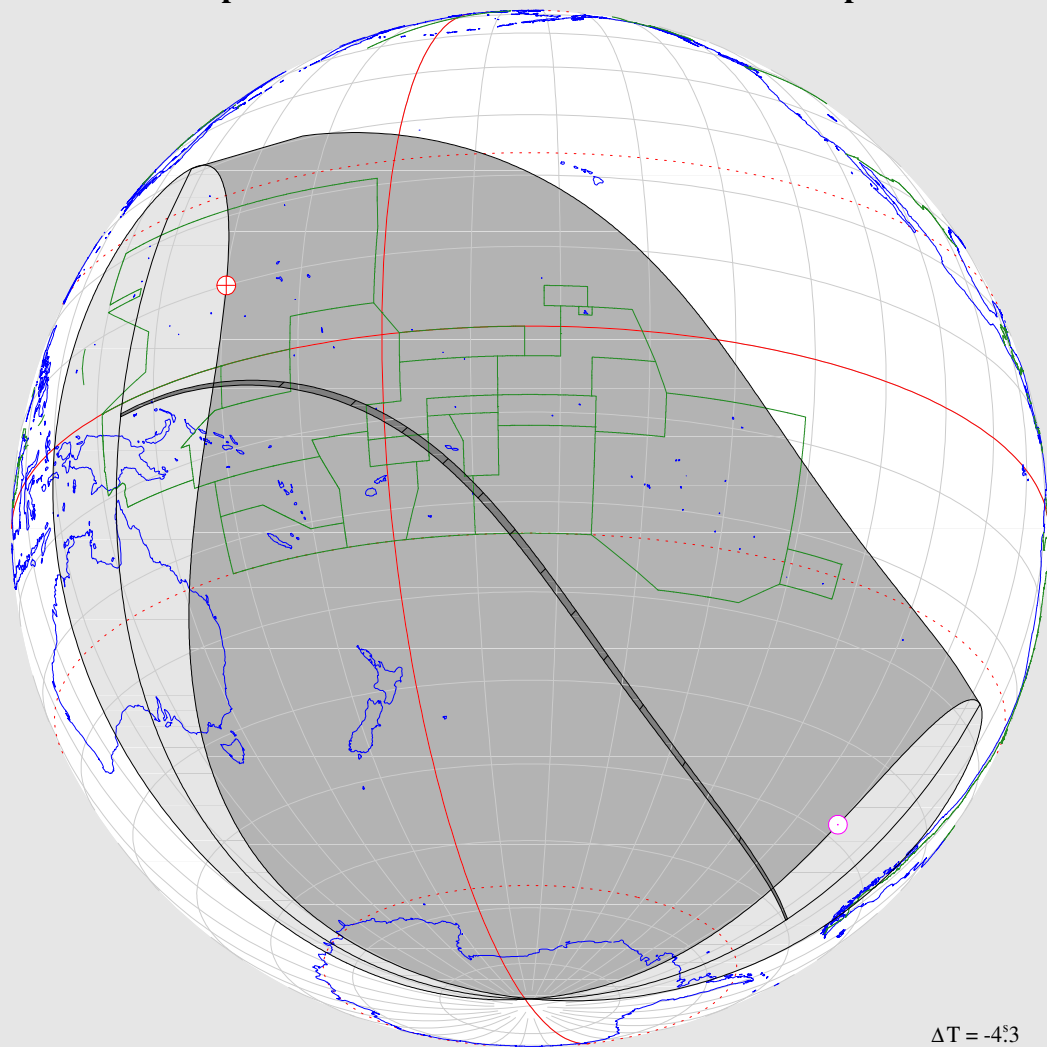


IV. - Total Eclipse of the Sun

1876 September 17-18



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$\Delta T = -4^s 3$
Globe centred on W 163°4 and S 23°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	19	12.4	E 160	05.6	N 10	00.5
Beginning of northern limit of penumbra	20	02.8	E 146	41.2	N 31	25.3
Beginning of northern limit of umbra	20	16.4	E 144	28.7	S 1	09.4
Beginning of centre line; central eclipse begins	20	16.5	E 144	26.9	S 1	18.6
Beginning of southern limit of umbra	20	16.7	E 144	25.1	S 1	27.9
Central eclipse at local apparent noon	22	19.5	W 156	21.2	S 33	40.9
End of southern limit of umbra	23	21.7	W 85	04.0	S 59	44.7
End of centre line; central eclipse ends	23	21.8	W 85	04.8	S 59	36.9
End of northern limit of umbra	23	21.9	W 85	05.6	S 59	29.2
End of northern limit of penumbra	23	35.9	W 86	24.3	S 26	57.6
⊙ Eclipse ends; last contact with Earth	0	26.1	W 100	03.7	S 48	20.2