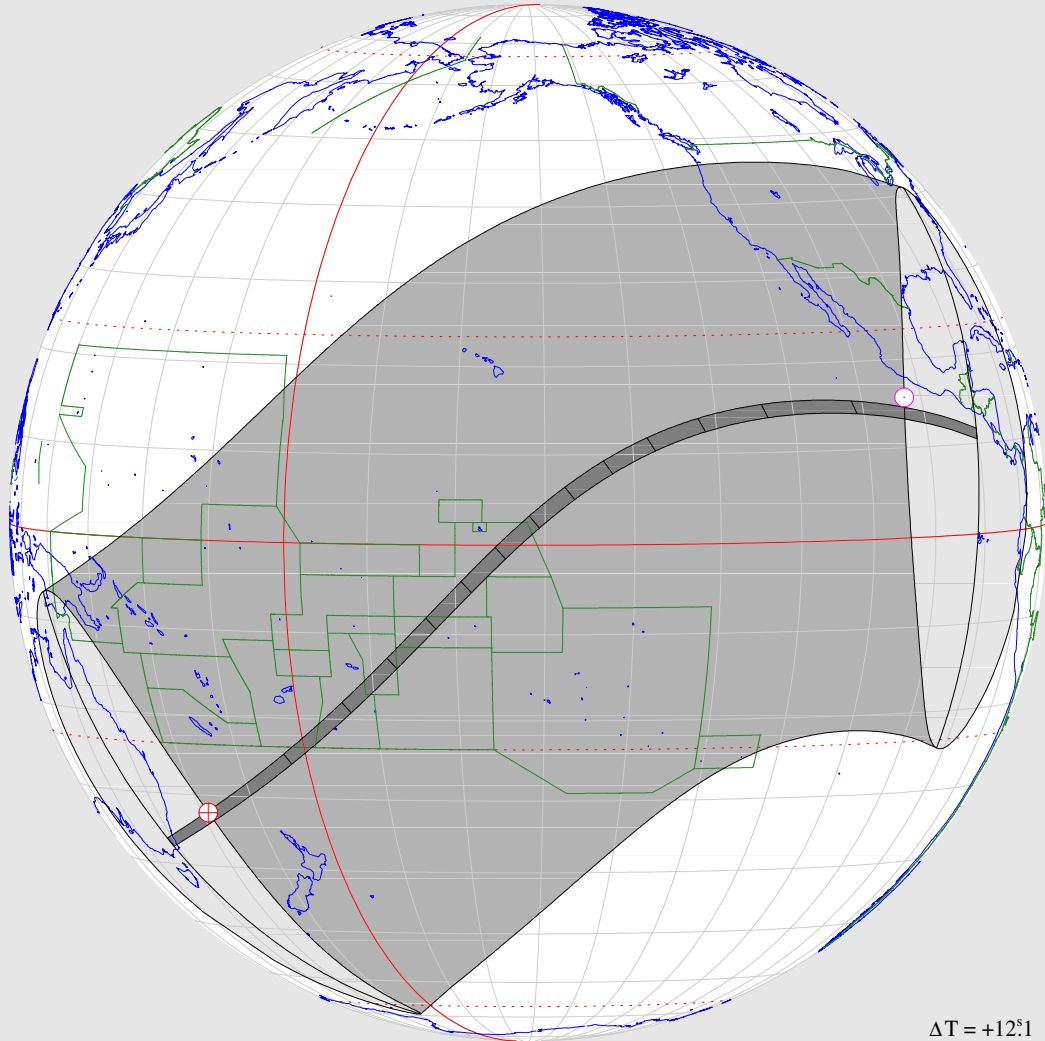


I. - Total Eclipse of the Sun

1911 April 28-29



$\Delta T = +12^s.1$

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Globe centred on W 151°9 and N 2°5

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	19	48.8	E 161	14.8	S 32	19.3
Beginning of northern limit of umbra	20	45.6	E 148	29.9	S 36	13.9
Beginning of centre line; central eclipse begins	20	45.8	E 148	41.3	S 36	48.0
Beginning of southern limit of umbra	20	45.9	E 148	52.8	S 37	22.1
Beginning of northern limit of penumbra	20	53.3	E 137	44.8	S 6	47.8
Beginning of southern limit of penumbra	21	16.0	E 172	01.4	S 69	25.4
Central eclipse at local apparent noon	22	16.2	W 154	40.0	S 0	36.5
End of southern limit of penumbra	23	38.8	W 91	52.9	S 24	31.5
End of northern limit of penumbra	0	00.8	W 78	16.3	N 40	58.8
End of southern limit of umbra	0	08.5	W 90	05.8	N 10	30.0
End of centre line; central eclipse ends	0	08.6	W 89	58.7	N 11	05.7
End of northern limit of umbra	0	08.8	W 89	51.3	N 11	41.3
⊙ Eclipse ends; last contact with Earth	1	05.5	W 102	59.3	N 15	38.2