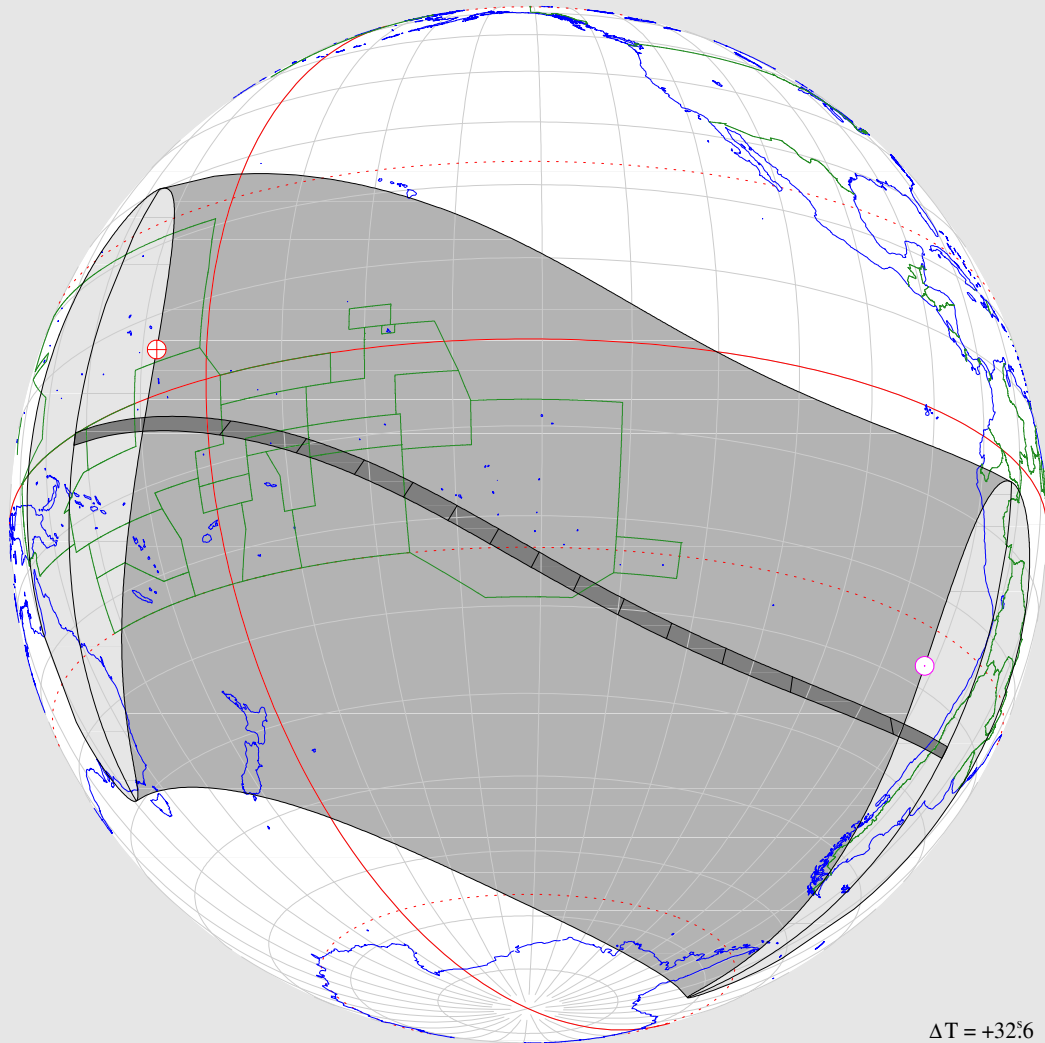


IV. - Total Eclipse of the Sun

1958 October 12



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$\Delta T = +32^s.6$
Globe centred on W 141°6 and S 21°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	18	20.0	E 172	22.4	N 5	33.0
Beginning of northern limit of penumbra	19	11.9	E 163	02.7	N 30	21.0
Beginning of northern limit of umbra	19	16.2	E 157	36.3	N 0	09.5
Beginning of centre line; central eclipse begins	19	16.6	E 157	24.7	S 0	31.5
Beginning of southern limit of umbra	19	17.1	E 157	12.8	S 1	12.6
Beginning of southern limit of penumbra	19	59.4	E 140	39.0	S 39	20.7
Central eclipse at local apparent noon	21	04.0	W 139	21.8	S 25	33.2
End of southern limit of penumbra	21	50.1	W 37	47.6	S 71	32.2
End of southern limit of umbra	22	32.6	W 66	23.6	S 34	20.1
End of centre line; central eclipse ends	22	33.1	W 66	38.1	S 33	39.1
End of northern limit of umbra	22	33.5	W 66	52.2	S 32	58.2
End of northern limit of penumbra	22	38.1	W 72	31.6	S 2	48.0
⊙ Eclipse ends; last contact with Earth	23	29.8	W 81	52.8	S 27	36.2