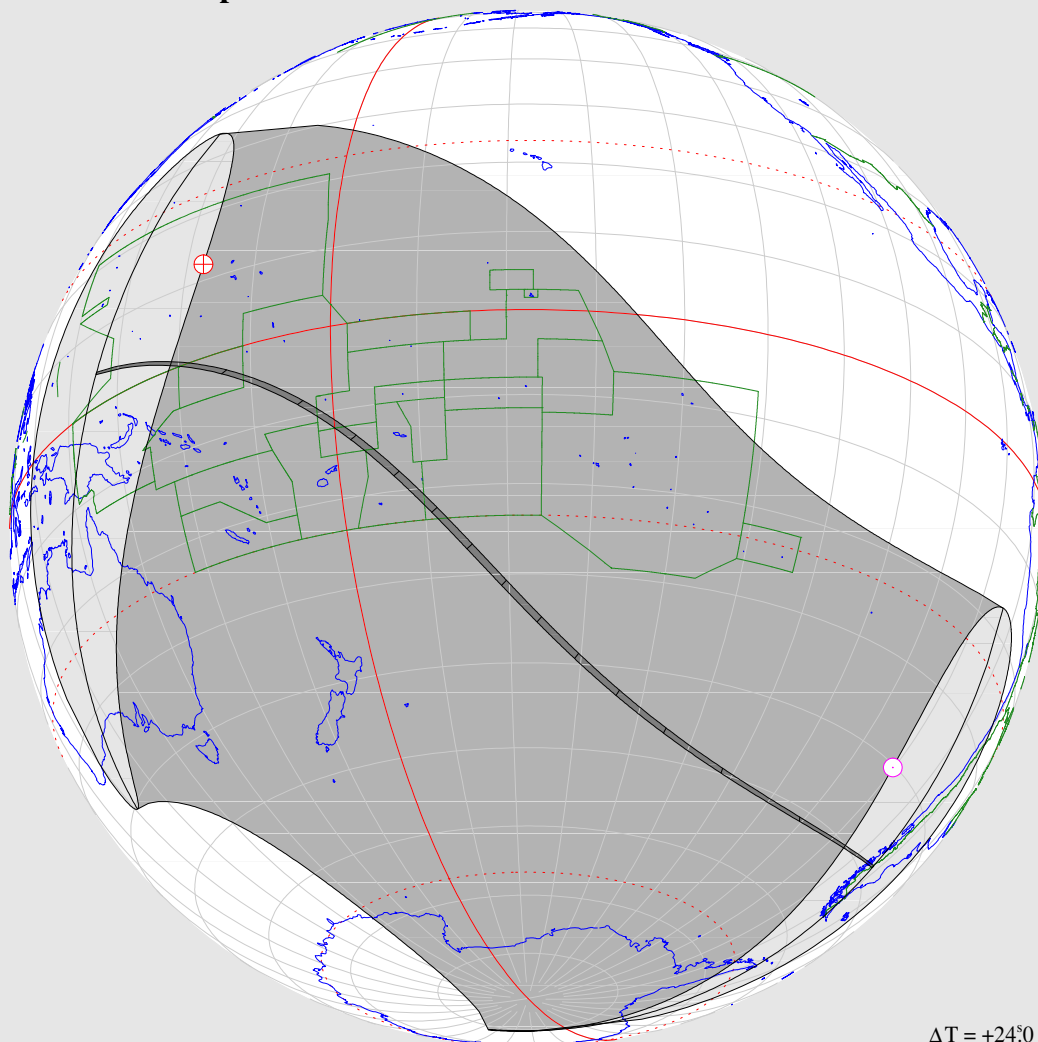


IV. - Total Eclipse of the Sun

1930 October 21-22



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ΔT = +24:0
Globe centred on W 157°6 and S 25°0

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	19 04.0	E 162 32.7	N 12 17.6
Beginning of northern limit of penumbra	19 53.3	E 155 33.5	N 35 27.4
Beginning of northern limit of umbra	20 04.8	E 145 49.5	N 4 25.2
Beginning of centre line; central eclipse begins	20 04.9	E 145 46.2	N 4 16.9
Beginning of southern limit of umbra	20 05.0	E 145 42.9	N 4 08.6
Beginning of southern limit of penumbra	21 04.9	E 120 43.0	S 40 25.2
Central eclipse at local apparent noon	22 03.8	W 154 47.1	S 36 06.1
End of southern limit of penumbra	22 21.5	E 44 42.1	S 78 19.8
End of southern limit of umbra	23 21.8	W 72 02.9	S 48 13.1
End of centre line; central eclipse ends	23 21.9	W 72 07.4	S 48 06.3
End of northern limit of umbra	23 22.0	W 72 11.8	S 47 59.5
End of northern limit of penumbra	23 33.8	W 83 56.2	S 17 07.9
⊙ Eclipse ends; last contact with Earth	0 22.9	W 90 20.5	S 40 14.5