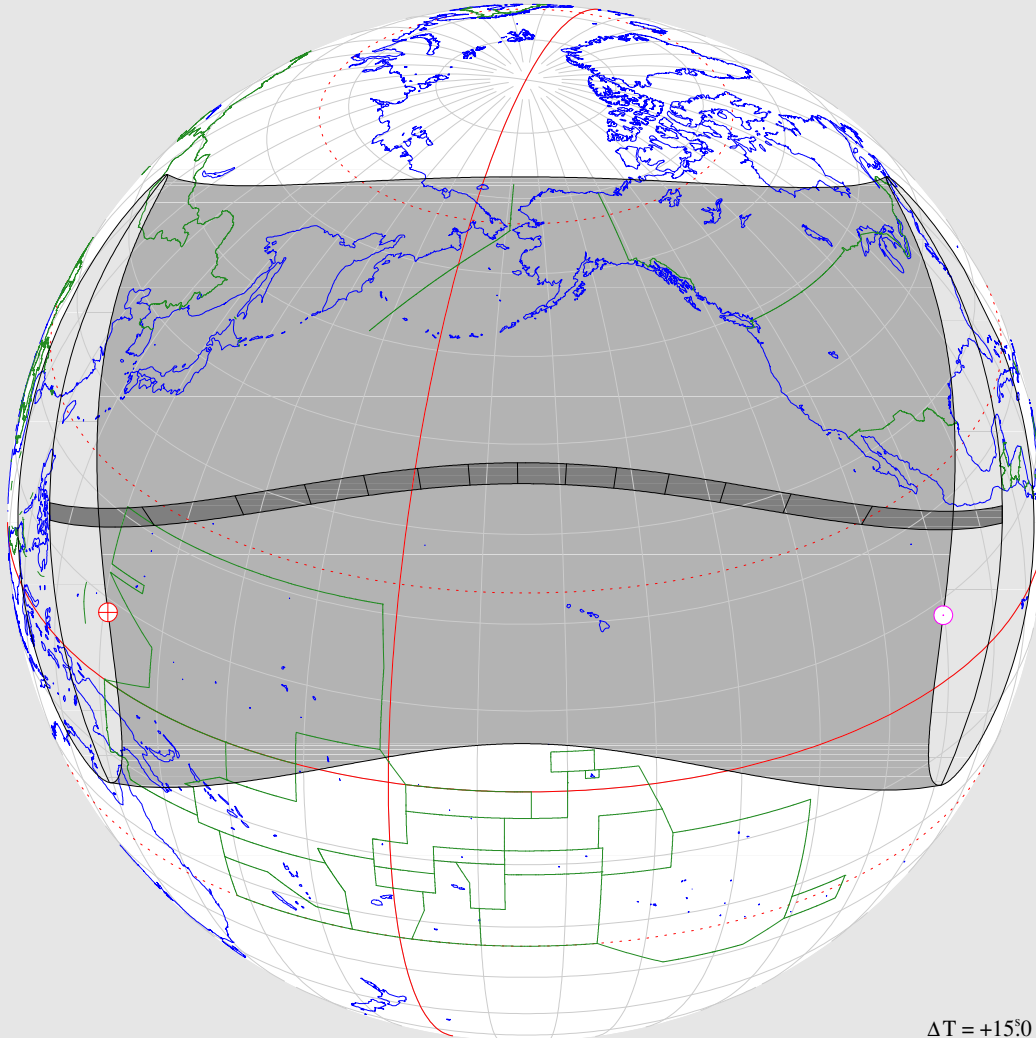


IV. - Total Eclipse of the Sun

1796 July 04-05



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$\Delta T = +15^s$
Globe centred on W 164°6 and N 31°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	20	26.7	E 140	48.0	N 8	23.8
Beginning of southern limit of penumbra	21	14.2	E 139	01.3	S 15	10.7
Beginning of southern limit of umbra	21	21.9	E 125	24.5	N 12	03.5
Beginning of centre line; central eclipse begins	21	22.5	E 124	53.4	N 12	52.7
Beginning of northern limit of umbra	21	23.2	E 124	21.6	N 13	42.1
Beginning of northern limit of penumbra	22	02.1	E 95	21.7	N 45	20.6
Central eclipse at local apparent noon	23	02.6	W 164	36.8	N 36	46.3
End of northern limit of penumbra	0	03.2	W 64	51.1	N 45	06.5
End of northern limit of umbra	0	42.1	W 93	45.0	N 13	25.5
End of centre line; central eclipse ends	0	42.8	W 94	16.4	N 12	36.5
End of southern limit of umbra	0	43.4	W 94	47.2	N 11	47.8
End of southern limit of penumbra	0	51.1	W 108	24.3	S 15	27.5
⊙ Eclipse ends; last contact with Earth	1	38.6	W 110	11.2	N 8	07.5