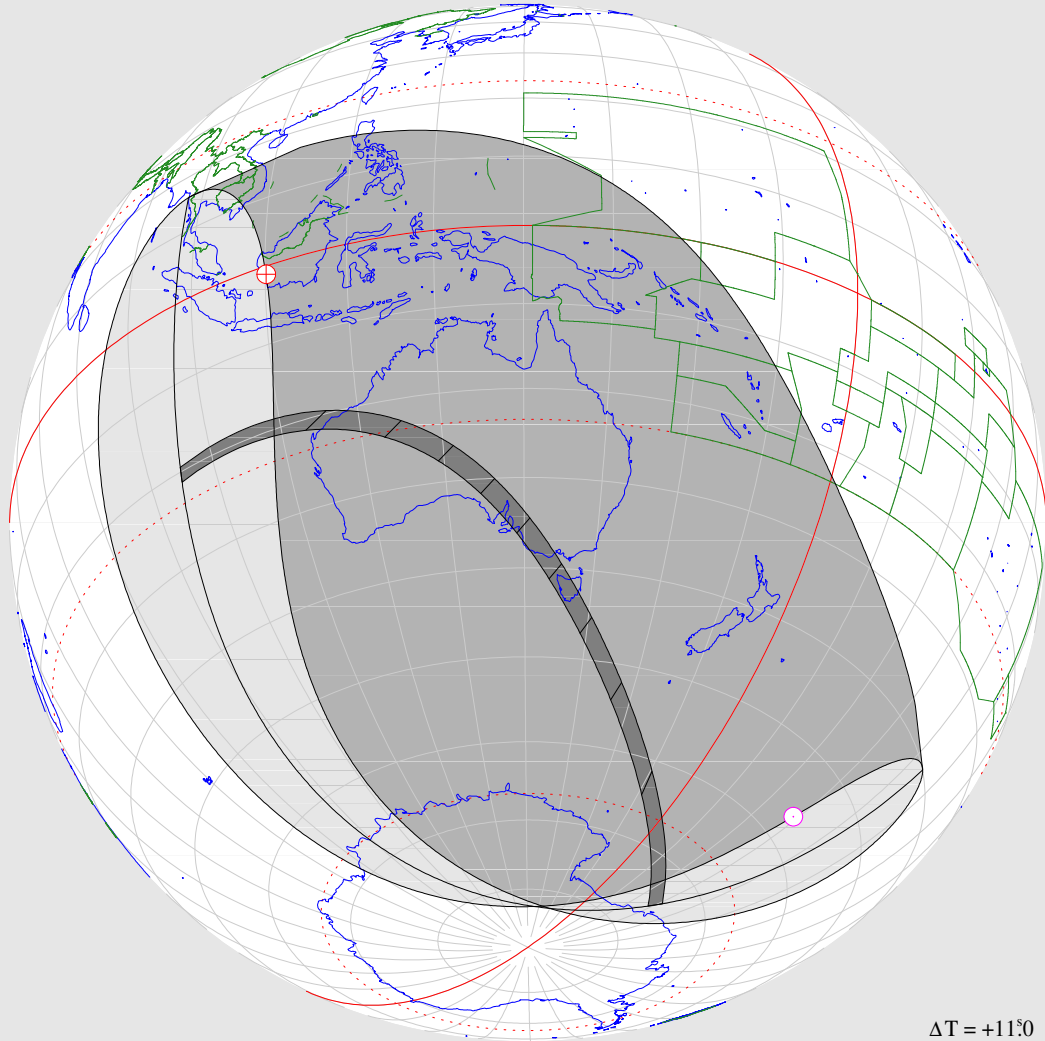


IV. - Total Eclipse of the Sun

1728 September 03-04



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$\Delta T = +11^m 30^s$
Globe centred on E 140°5' and S 35°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	22	38.8	E 110	09.9	S 1	06.1
Beginning of northern limit of penumbra	23	20.1	E 97	38.0	N 15	45.9
Beginning of northern limit of umbra	23	48.6	E 95	07.7	S 19	29.3
Beginning of centre line; central eclipse begins	23	49.7	E 94	58.6	S 20	18.9
Beginning of southern limit of umbra	23	50.8	E 94	49.1	S 21	09.3
Central eclipse at local apparent noon	1	40.6	E 154	32.5	S 50	52.9
End of southern limit of umbra	2	07.1	W 151	24.3	S 75	32.0
End of centre line; central eclipse ends	2	08.2	W 150	02.9	S 74	47.1
End of northern limit of umbra	2	09.3	W 148	51.5	S 74	02.3
End of northern limit of penumbra	2	38.1	W 135	54.8	S 39	58.7
⊙ Eclipse ends; last contact with Earth	3	19.3	W 151	08.2	S 56	34.7