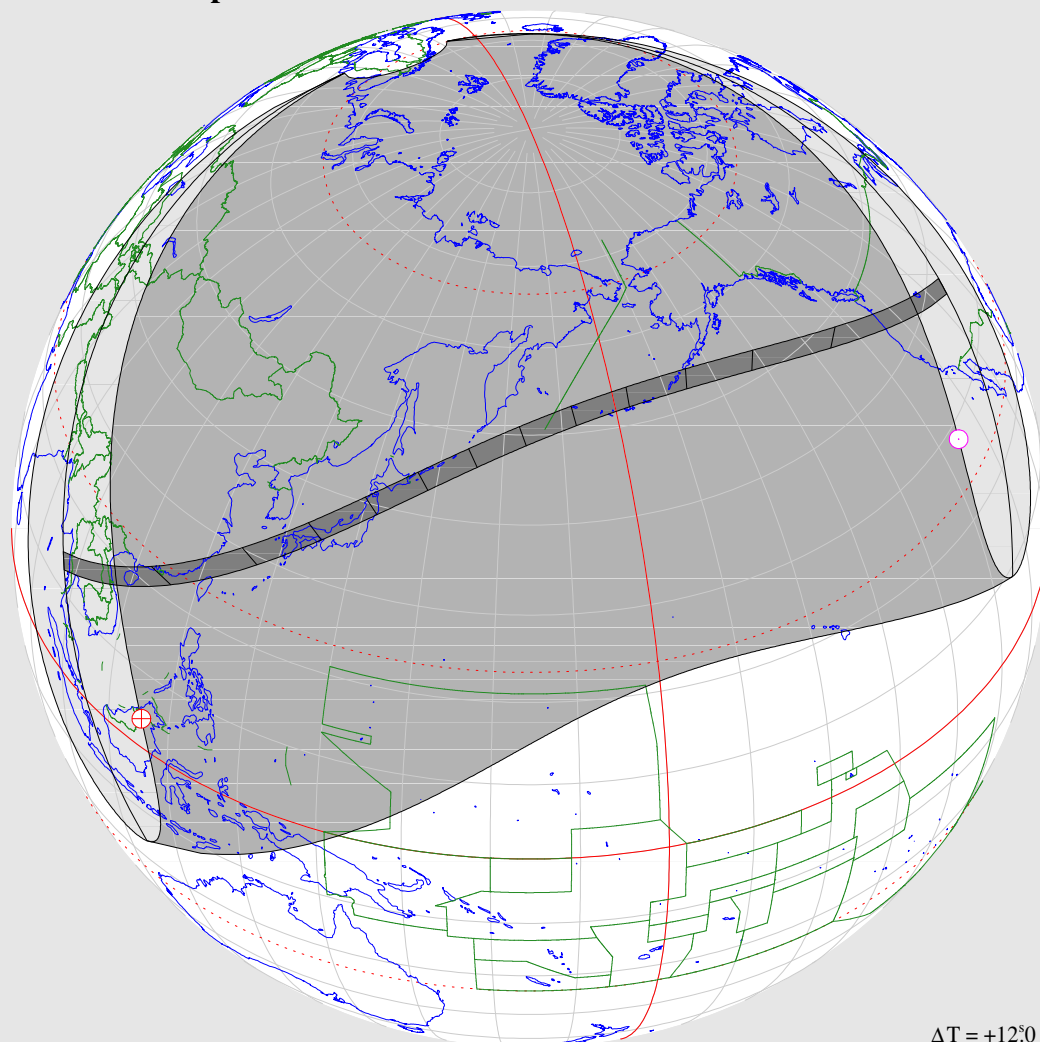


## II. - Total Eclipse of the Sun

1742 June 02-03



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$\Delta T = +12^m 0^s$   
Globe centred on E 164<sup>o</sup>.4 and N 39<sup>o</sup>.6

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	o	'	o	'
⊕ Eclipse begins; first contact with Earth	22	08.3	E 115	41.1	N 3	55.6
Beginning of southern limit of penumbra	22	46.8	E 114	16.4	S 15	43.0
Beginning of southern limit of umbra	23	06.9	E 97	30.0	N 12	21.7
Beginning of centre line; central eclipse begins	23	07.8	E 96	55.2	N 13	10.4
Beginning of northern limit of umbra	23	08.7	E 96	19.6	N 13	59.4
Beginning of northern limit of penumbra	0	31.0	E 32	50.0	N 61	25.6
End of northern limit of penumbra	0	48.2	E 7	53.0	N 66	22.0
Central eclipse at local apparent noon	0	50.9	E 166	37.8	N 50	46.1
End of northern limit of umbra	2	10.6	W 104	37.3	N 37	59.4
End of centre line; central eclipse ends	2	11.6	W 105	23.1	N 37	13.3
End of southern limit of umbra	2	12.5	W 106	07.6	N 36	27.5
End of southern limit of penumbra	2	32.7	W 125	08.7	N 8	50.9
⊙ Eclipse ends; last contact with Earth	3	11.1	W 125	40.1	N 28	18.0