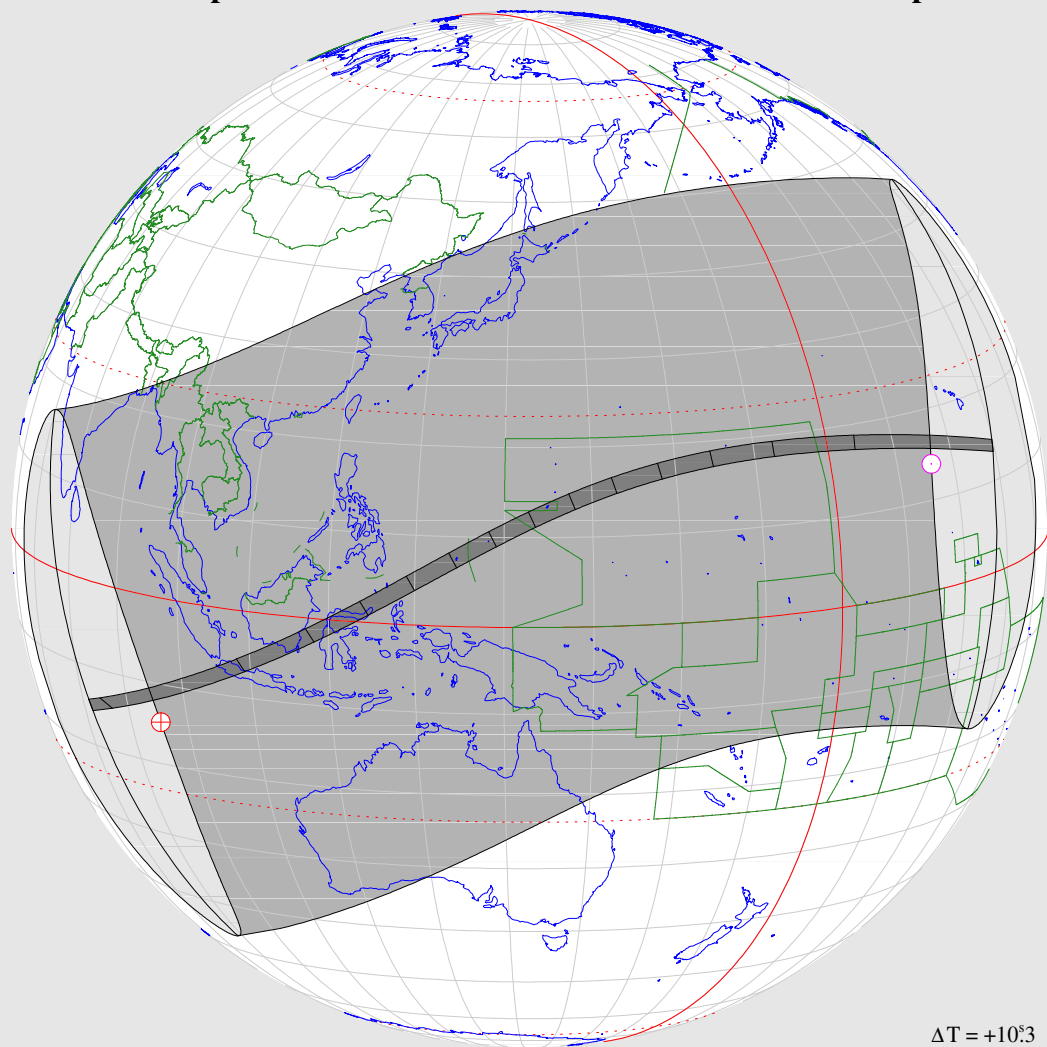


II. - Total Eclipse of the Sun

1716 April 21-22



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ΔT = +10:3
Globe centred on E 142°9' and N 11°0'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	23 49.3	E 95 29.8	S 14 39.8
Beginning of southern limit of umbra	0 44.7	E 81 51.2	S 15 29.1
Beginning of centre line; central eclipse begins	0 44.8	E 81 40.8	S 14 50.2
Beginning of northern limit of umbra	0 44.9	E 81 30.1	S 14 11.2
Beginning of southern limit of penumbra	0 56.7	E 88 25.5	S 46 14.0
Beginning of northern limit of penumbra	1 04.3	E 69 47.6	N 16 45.2
Central eclipse at local apparent noon	2 28.1	E 142 33.7	N 11 43.5
End of northern limit of penumbra	3 52.2	W 135 57.3	N 45 01.6
End of southern limit of penumbra	4 00.2	W 154 29.4	S 17 57.1
End of northern limit of umbra	4 11.8	W 150 10.9	N 14 26.0
End of centre line; central eclipse ends	4 11.9	W 150 21.8	N 13 46.4
End of southern limit of umbra	4 12.0	W 150 32.4	N 13 06.7
⊙ Eclipse ends; last contact with Earth	5 07.3	W 164 10.2	N 13 56.7