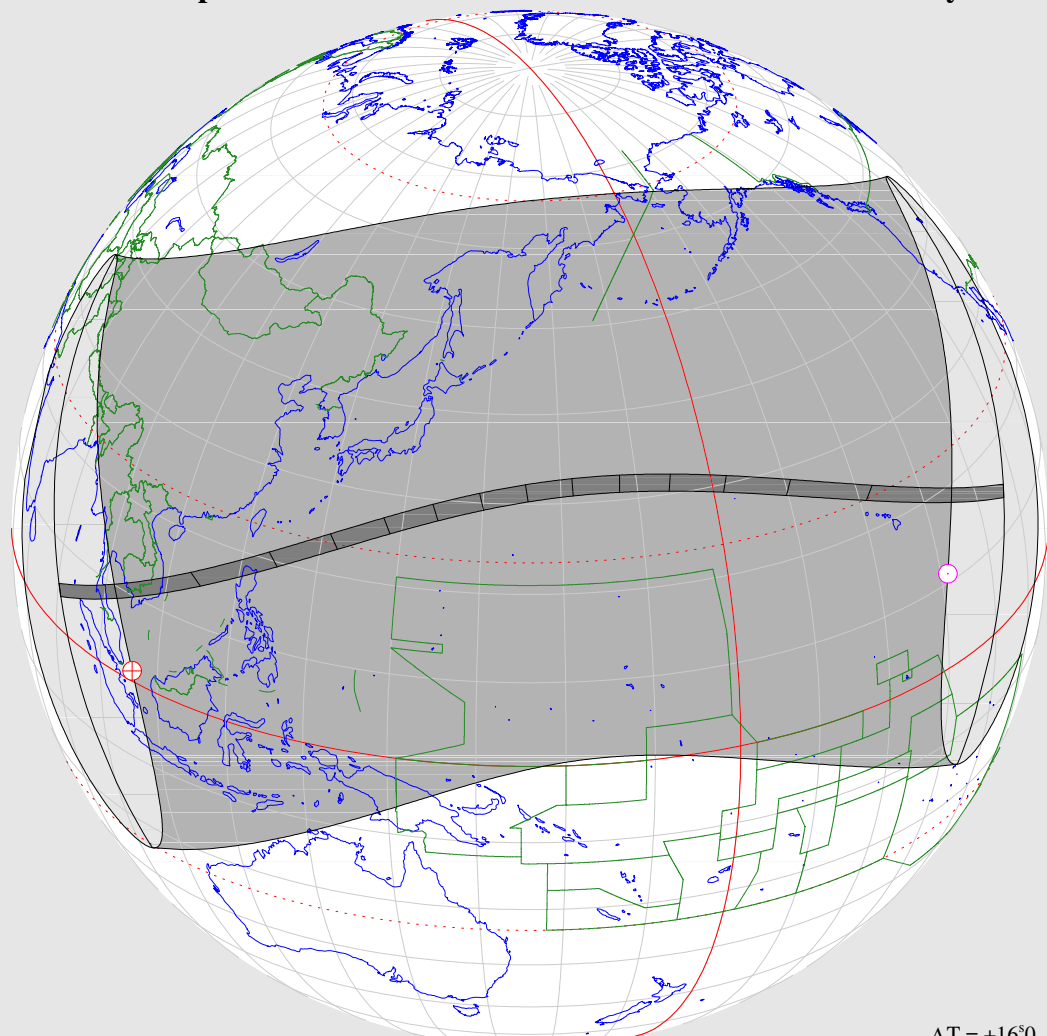


I. - Total Eclipse of the Sun

1770 May 24-25



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$\Delta T = +16^{\circ}0$
Globe centred on E 156°0 and N 27°3

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	22 51.1	E 105 51.5	N 1 15.8
Beginning of southern limit of penumbra	23 43.4	E 103 06.3	S 24 07.5
Beginning of southern limit of umbra	23 47.0	E 90 51.2	N 3 58.1
Beginning of centre line; central eclipse begins	23 47.3	E 90 30.4	N 4 36.6
Beginning of northern limit of umbra	23 47.8	E 90 09.2	N 5 15.2
Beginning of northern limit of penumbra	0 22.1	E 66 52.3	N 36 57.1
Central eclipse at local apparent noon	1 31.6	E 156 12.8	N 31 17.3
End of northern limit of penumbra	2 37.6	W 106 53.0	N 46 05.2
End of northern limit of umbra	3 12.0	W 133 00.4	N 15 00.5
End of centre line; central eclipse ends	3 12.4	W 133 22.9	N 14 21.3
End of southern limit of umbra	3 12.9	W 133 45.1	N 13 42.1
End of southern limit of penumbra	3 16.4	W 145 39.1	S 14 26.0
⊙ Eclipse ends; last contact with Earth	4 08.7	W 148 47.0	N 11 01.3