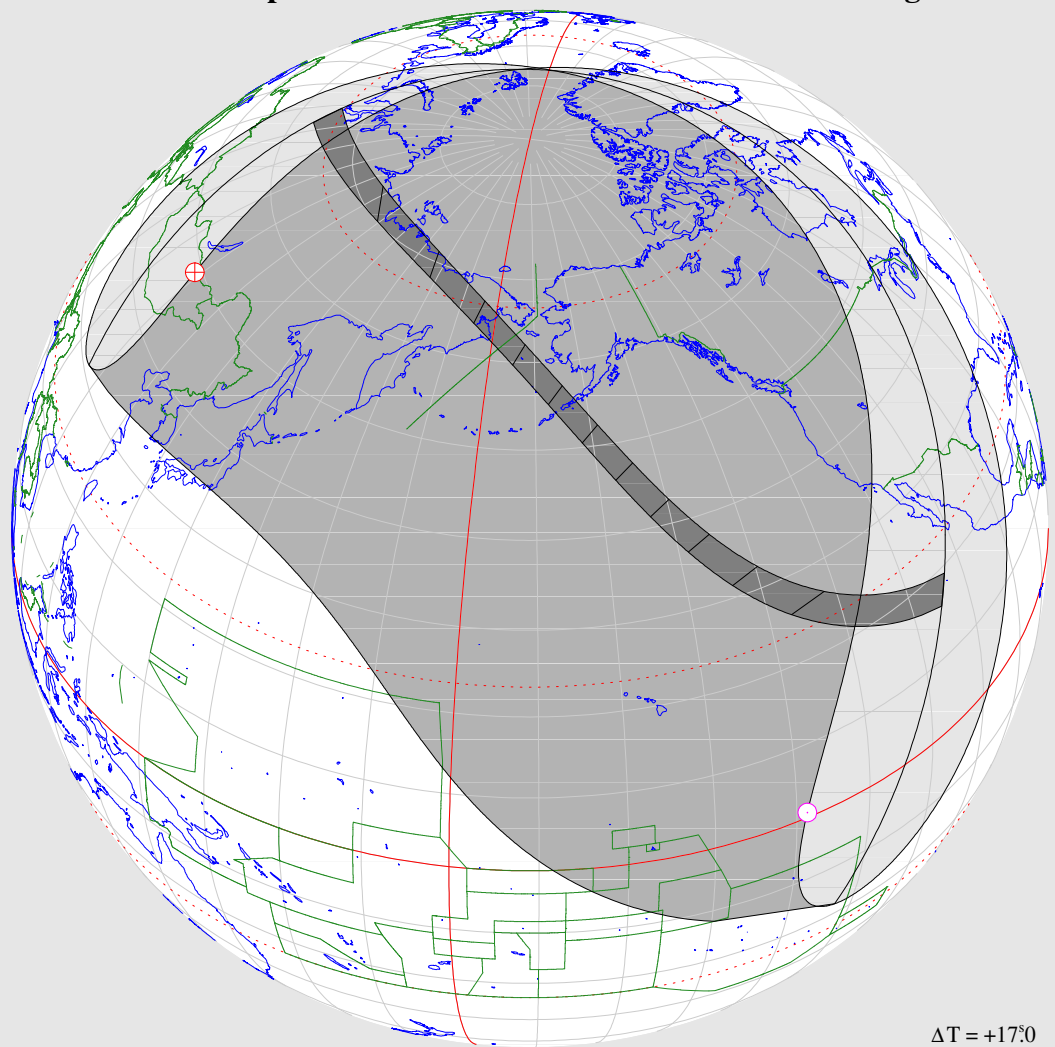


III. - Annular Eclipse of the Sun

1784 August 15-16



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$\Delta T = +17^s.0$
Globe centred on W 171°0 and N 41°3

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	21 44.3	E 108 38.4	N 49 00.4
Beginning of southern limit of penumbra	22 25.6	E 106 10.5	N 30 58.3
Beginning of southern limit of umbra	23 02.7	E 76 35.8	N 63 08.7
Beginning of centre line; central eclipse begins	23 05.2	E 74 04.1	N 64 29.0
Beginning of northern limit of umbra	23 07.7	E 71 15.4	N 65 49.7
Central eclipse at local apparent noon	23 53.8	W 177 29.3	N 62 46.2
End of northern limit of umbra	1 55.9	W 113 10.5	N 19 08.8
End of centre line; central eclipse ends	1 58.4	W 114 14.0	N 17 33.9
End of southern limit of umbra	2 00.8	W 115 14.8	N 16 01.5
End of southern limit of penumbra	2 37.6	W 132 53.2	S 17 45.7
⊙ Eclipse ends; last contact with Earth	3 19.1	W 138 38.3	N 0 44.7