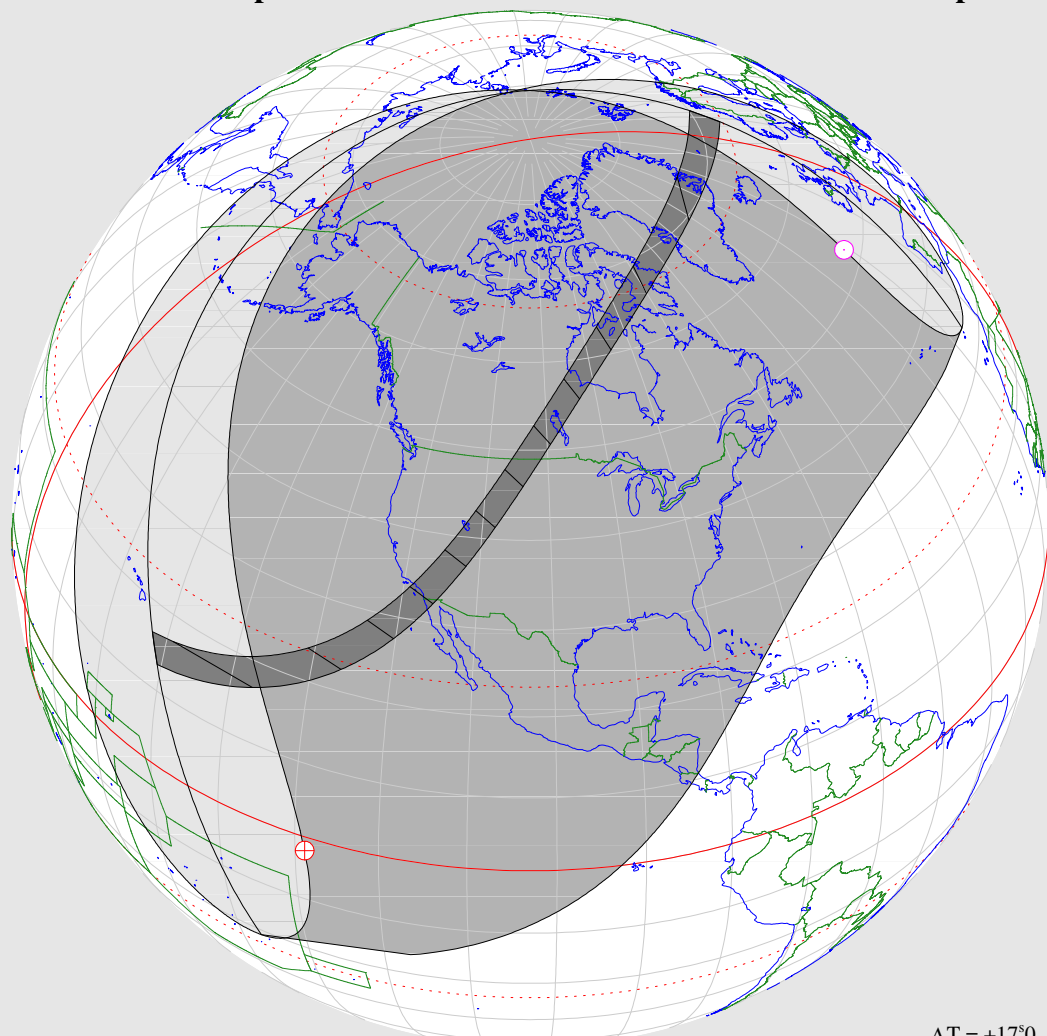


## II. - Annular Eclipse of the Sun

1782 April 12



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$\Delta T = +17^s 0$   
Globe centred on W 103°0 and N 41°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	14	37.1	W128	46.8	S 2	04.1
Beginning of southern limit of penumbra	15	21.5	W136	45.0	S 21	11.2
Beginning of southern limit of umbra	15	54.8	W150	37.7	N 13	09.0
Beginning of centre line; central eclipse begins	15	57.2	W151	30.1	N 14	47.0
Beginning of northern limit of umbra	15	59.7	W152	25.1	N 16	27.7
Central eclipse at local apparent noon	18	06.0	W 91	21.4	N 58	45.8
End of northern limit of umbra	18	48.8	E 13	21.9	N 69	52.9
End of centre line; central eclipse ends	18	51.3	E 10	38.7	N 68	21.1
End of southern limit of umbra	18	53.8	E 8	16.0	N 66	50.4
End of southern limit of penumbra	19	27.4	W 15	43.9	N 33	26.3
⊙ Eclipse ends; last contact with Earth	20	11.6	W 21	00.9	N 52	16.4