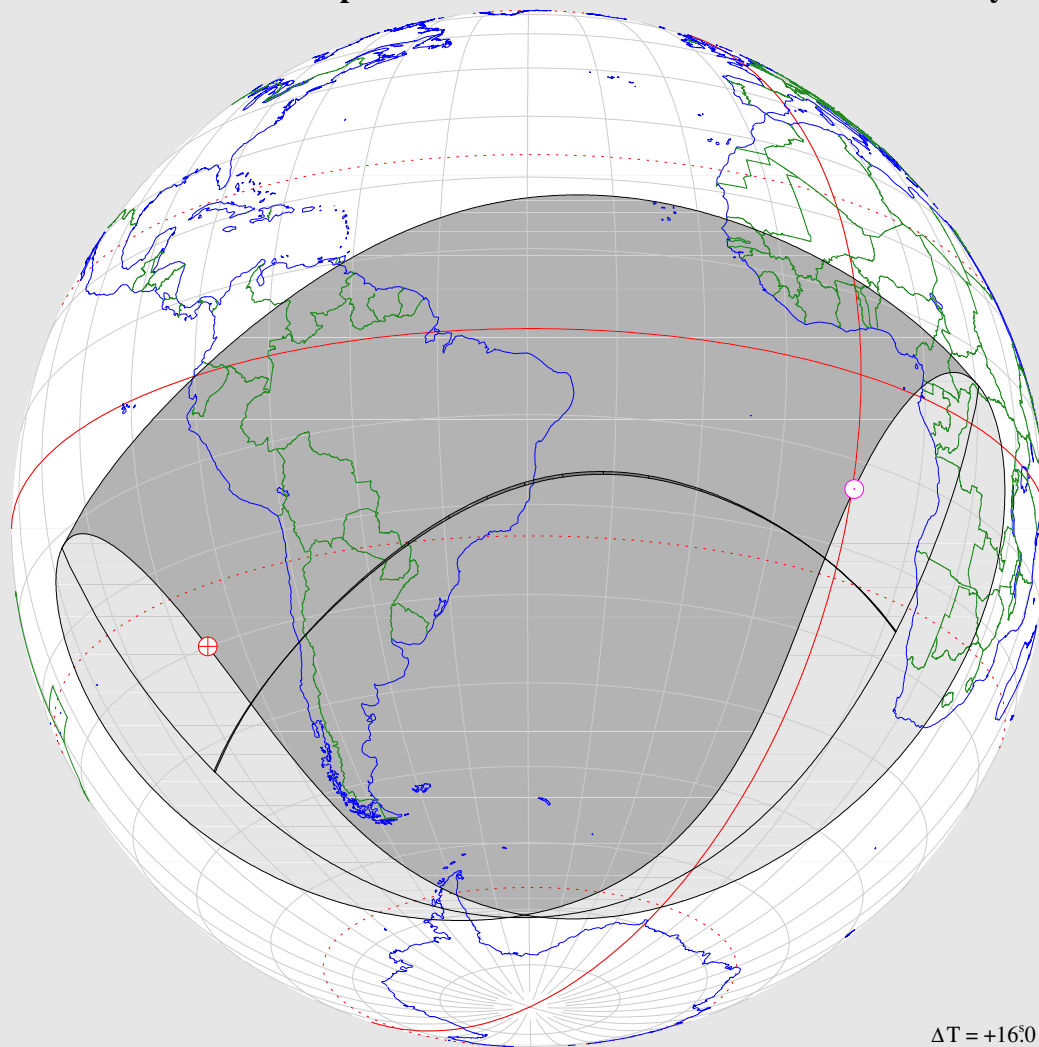


## II. - Annular-Total Eclipse of the Sun

1771 May 14



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$\Delta T = +16^s$   
Globe centred on W 39°7' and S 22°7'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	12	22.9	W 85	31.6	S 29	55.6
Beginning of northern limit of penumbra	13	19.1	W106	50.1	S 11	31.5
Beginning of northern limit of umbra	13	31.8	W 95	46.6	S 42	43.1
Beginning of centre line; central eclipse begins	13	31.9	W 95	44.2	S 42	49.1
Beginning of southern limit of umbra	13	32.0	W 95	41.8	S 42	55.1
Central eclipse at local apparent noon	14	49.5	W 43	22.9	S 18	42.6
End of southern limit of umbra	16	27.6	E 12	21.2	S 26	33.0
End of centre line; central eclipse ends	16	27.7	E 12	22.0	S 26	28.2
End of northern limit of umbra	16	27.8	E 12	22.9	S 26	23.4
End of northern limit of penumbra	16	40.3	E 20	42.8	N 5	18.7
⊙ Eclipse ends; last contact with Earth	17	36.5	E 0	17.2	S 13	14.6