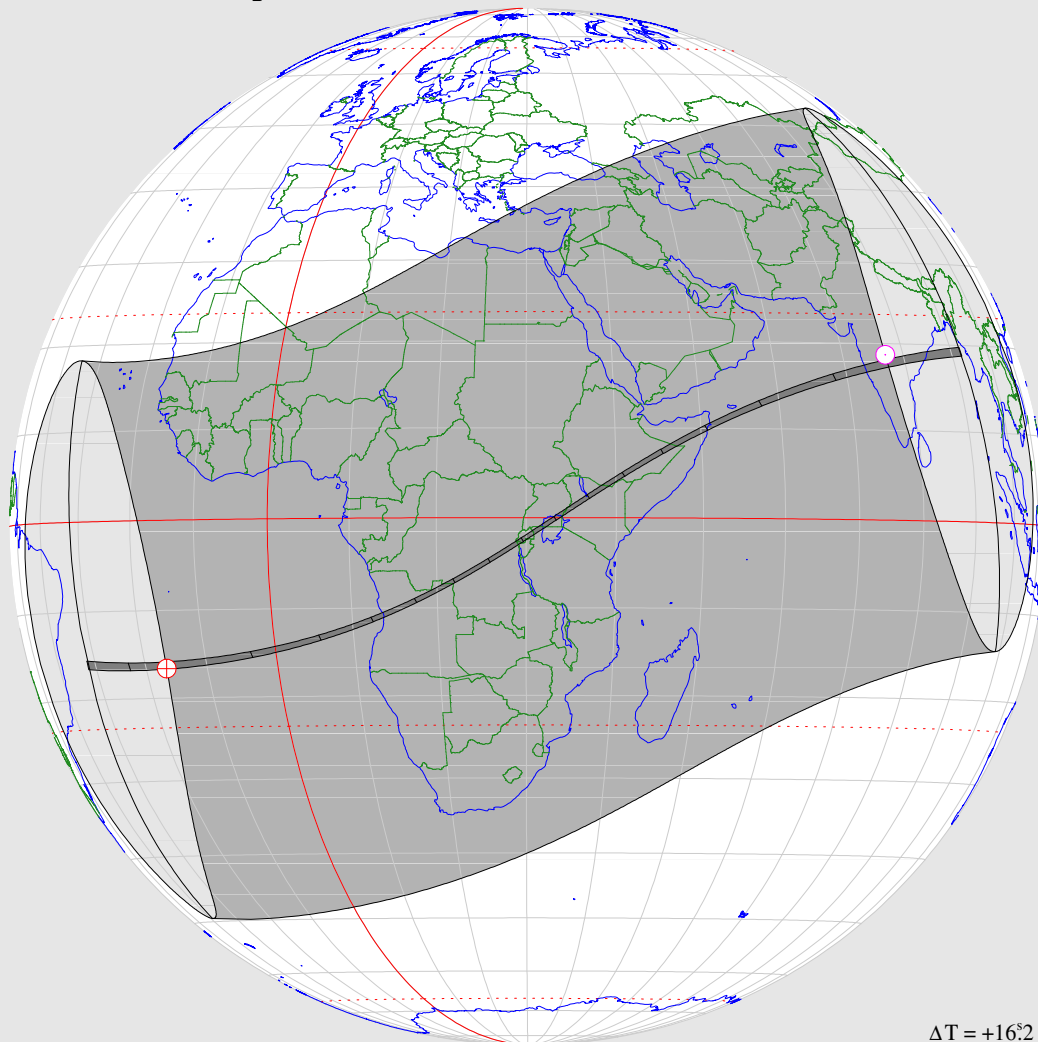


II. - Annular Eclipse of the Sun

1774 March 12



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$\Delta T = +16^s 2$
Globe centred on E 30°2 and S 1°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	7	11.9	W 16	26.8	S 16	34.5
Beginning of centre line; central eclipse begins	8	13.7	W 31	51.3	S 15	59.6
Beginning of northern limit of umbra	8	13.7	W 31	49.5	S 15	30.3
Beginning of southern limit of umbra	8	13.7	W 31	53.1	S 16	29.0
Beginning of southern limit of penumbra	8	31.9	W 39	15.6	S 49	27.9
Beginning of northern limit of penumbra	8	33.0	W 34	42.0	N 18	13.6
Central eclipse at local apparent noon	10	05.9	E 31	00.2	S 1	30.6
End of northern limit of penumbra	11	36.5	E 94	03.6	N 53	24.2
End of southern limit of penumbra	11	38.3	E 98	43.3	S 14	19.2
End of southern limit of umbra	11	56.2	E 92	21.2	N 18	45.1
End of northern limit of umbra	11	56.2	E 92	17.5	N 19	46.7
End of centre line; central eclipse ends	11	56.2	E 92	19.3	N 19	15.9
⊙ Eclipse ends; last contact with Earth	12	58.1	E 76	53.4	N 18	41.1