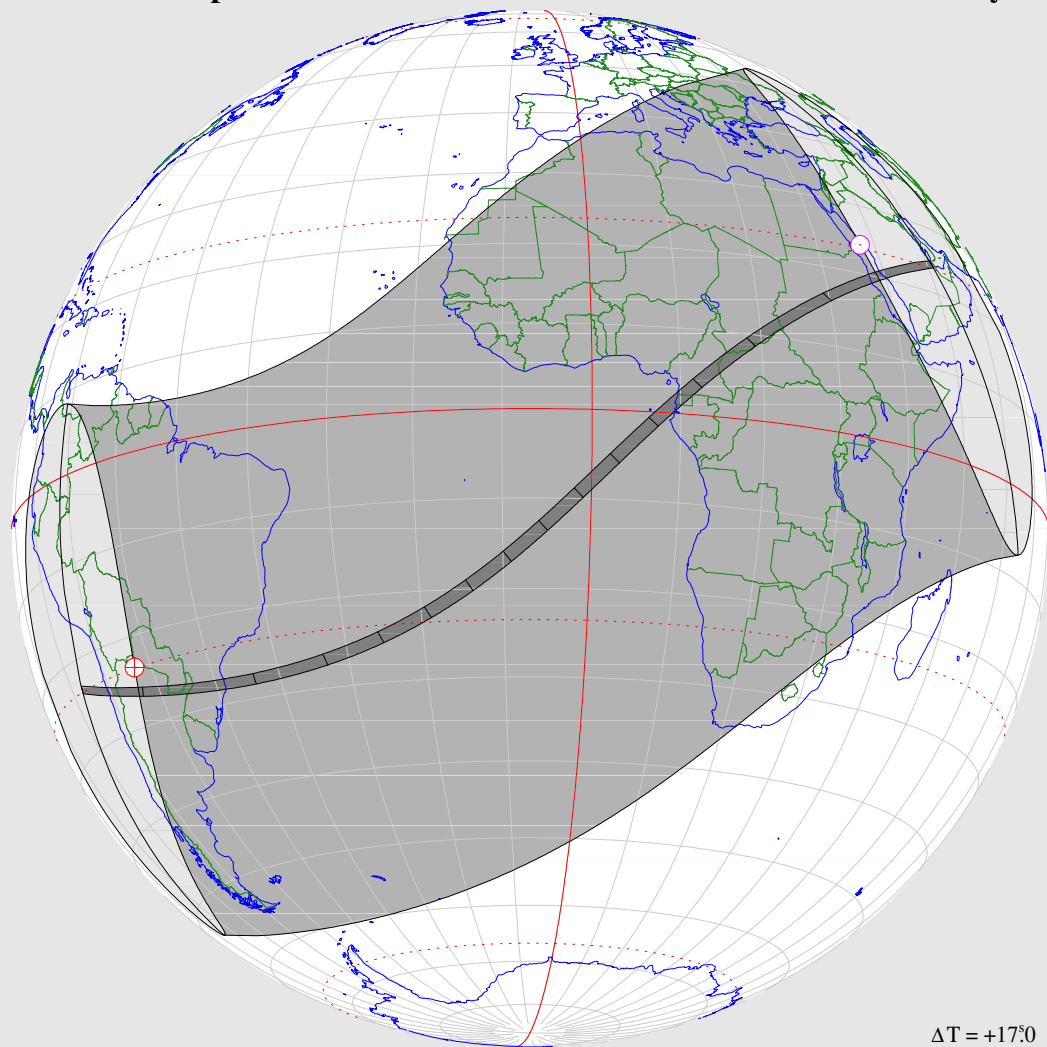


II. - Total Eclipse of the Sun

1785 February 09



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$\Delta T = +17^{\text{s}}0$
Globe centred on W 6°9' and S 13°4'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	10	01.5	W 63	07.6	S 23	23.0
Beginning of northern limit of umbra	10	57.1	W 76	49.5	S 22	48.1
Beginning of centre line; central eclipse begins	10	57.2	W 76	58.8	S 23	14.4
Beginning of southern limit of umbra	10	57.3	W 77	08.4	S 23	40.8
Beginning of northern limit of penumbra	11	08.0	W 71	10.4	N 8	19.9
Beginning of southern limit of penumbra	11	17.9	W 96	28.1	S 53	51.6
Central eclipse at local apparent noon	12	40.8	W 6	31.6	S 14	01.4
End of southern limit of penumbra	14	03.2	E 64	45.2	S 7	18.0
End of northern limit of penumbra	14	12.4	E 39	10.4	N 54	49.7
End of southern limit of umbra	14	23.5	E 51	18.3	N 23	42.5
End of northern limit of umbra	14	23.7	E 50	59.1	N 24	36.2
End of centre line; central eclipse ends	14	23.6	E 51	08.6	N 24	09.4
⊙ Eclipse ends; last contact with Earth	15	19.2	E 37	17.8	N 24	00.8