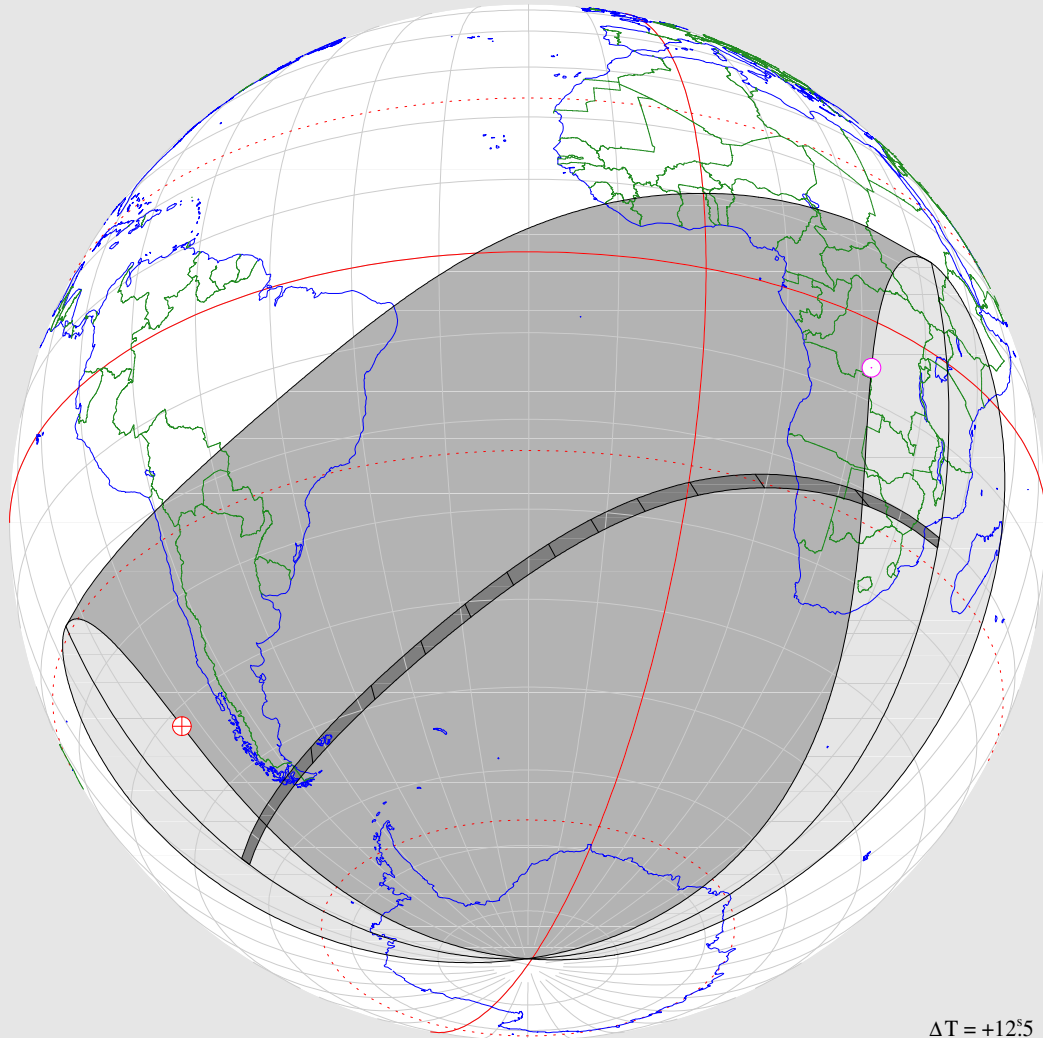


II. - Total Eclipse of the Sun

1811 March 24



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$\Delta T = +12^s 5$
Globe centred on W 20°1' and S 31°5'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	11	44.9	W 83	30.6	S 41	42.3
Beginning of northern limit of penumbra	12	28.3	W 94	54.8	S 22	31.2
Beginning of northern limit of umbra	12	49.6	W 98	58.8	S 55	44.0
Beginning of centre line; central eclipse begins	12	50.2	W 99	05.9	S 56	17.3
Beginning of southern limit of umbra	12	50.8	W 99	13.1	S 56	50.8
Central eclipse at local apparent noon	13	51.2	W 26	09.4	S 39	35.5
End of southern limit of umbra	15	33.4	E 37	48.3	S 21	08.8
End of centre line; central eclipse ends	15	34.1	E 37	39.9	S 20	36.0
End of northern limit of umbra	15	34.7	E 37	31.7	S 20	03.5
End of northern limit of penumbra	15	55.8	E 32	59.7	N 13	16.5
⊙ Eclipse ends; last contact with Earth	16	39.3	E 21	40.6	S 5	58.1