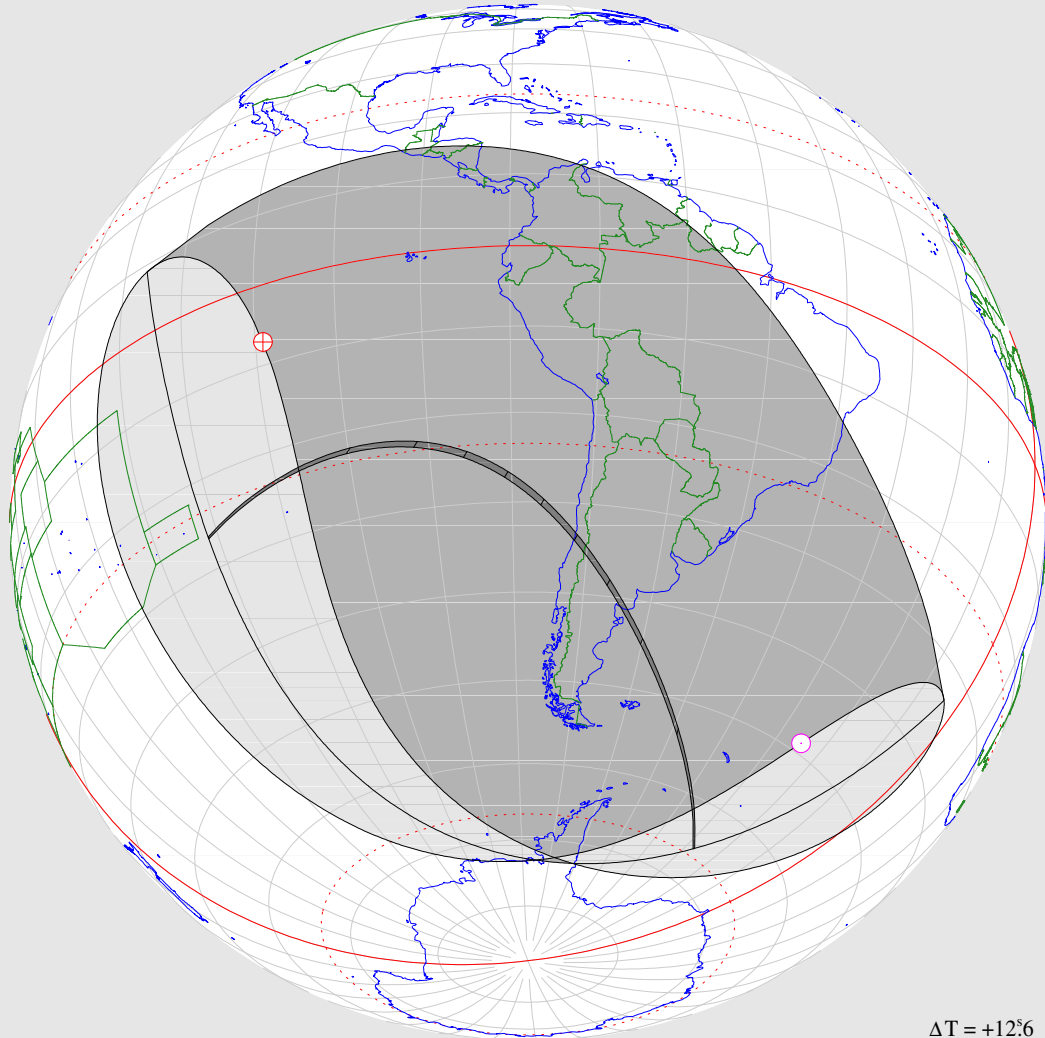


# IV. - Total Eclipse of the Sun

1804 August 05



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$\Delta T = +12^m 6^s$   
Globe centred on W 78°0 and S 32°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	13	30.5	W109	01.3	S 7	11.2
Beginning of northern limit of penumbra	14	18.9	W126	03.0	N 8	53.9
Beginning of northern limit of umbra	14	46.4	W121	30.6	S 26	20.2
Beginning of centre line; central eclipse begins	14	46.6	W121	30.4	S 26	26.7
Beginning of southern limit of umbra	14	46.7	W121	30.2	S 26	33.3
Central eclipse at local apparent noon	16	30.8	W 66	17.5	S 38	43.2
End of southern limit of umbra	17	06.9	W 27	31.7	S 65	35.9
End of centre line; central eclipse ends	17	07.1	W 27	24.2	S 65	32.1
End of northern limit of umbra	17	07.2	W 27	16.9	S 65	28.2
End of northern limit of penumbra	17	35.1	W 3	57.3	S 33	24.2
⊙ Eclipse ends; last contact with Earth	18	23.3	W 24	48.4	S 48	50.2