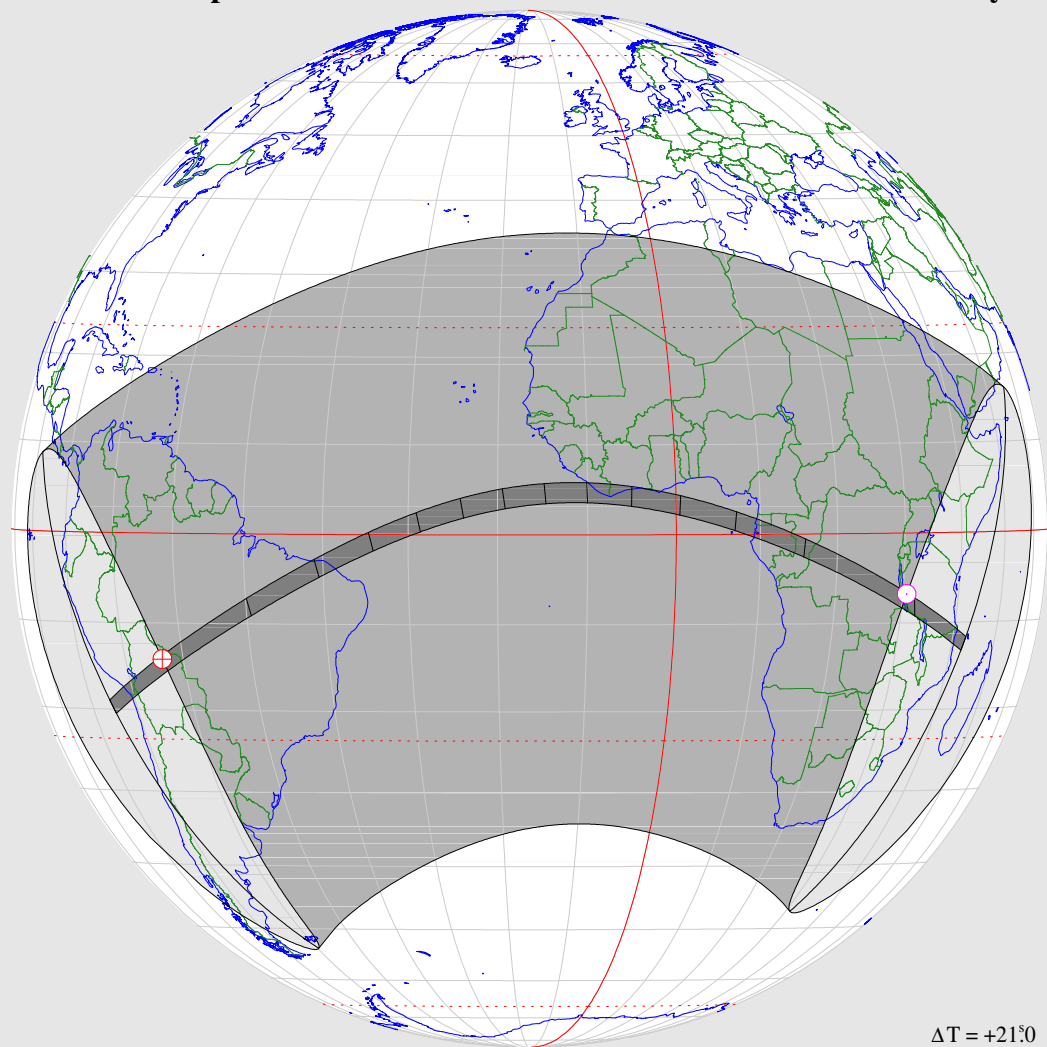


II. - Total Eclipse of the Sun

1919 May 29



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$\Delta T = +21^s 0$
Globe centred on W 16°4' and N 0°7'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	10	33.3	W 63	23.5	S 14	05.7
Beginning of northern limit of umbra	11	29.7	W 75	24.0	S 18	56.3
Beginning of centre line; central eclipse begins	11	29.9	W 75	06.0	S 19	43.0
Beginning of southern limit of umbra	11	30.2	W 74	48.2	S 20	30.0
Beginning of northern limit of penumbra	11	36.4	W 88	18.6	N 8	45.8
Beginning of southern limit of penumbra	12	04.6	W 59	39.9	S 53	32.2
Central eclipse at local apparent noon	13	06.4	W 17	20.5	N 4	18.1
End of southern limit of penumbra	14	12.6	E 31	01.1	S 47	06.1
End of northern limit of penumbra	14	40.7	E 55	38.0	N 16	05.5
End of southern limit of umbra	14	47.0	E 42	13.7	S 13	11.7
End of centre line; central eclipse ends	14	47.2	E 42	29.8	S 12	24.9
End of northern limit of umbra	14	47.4	E 42	46.2	S 11	38.3
⊙ Eclipse ends; last contact with Earth	15	43.8	E 30	38.4	S 6	45.6