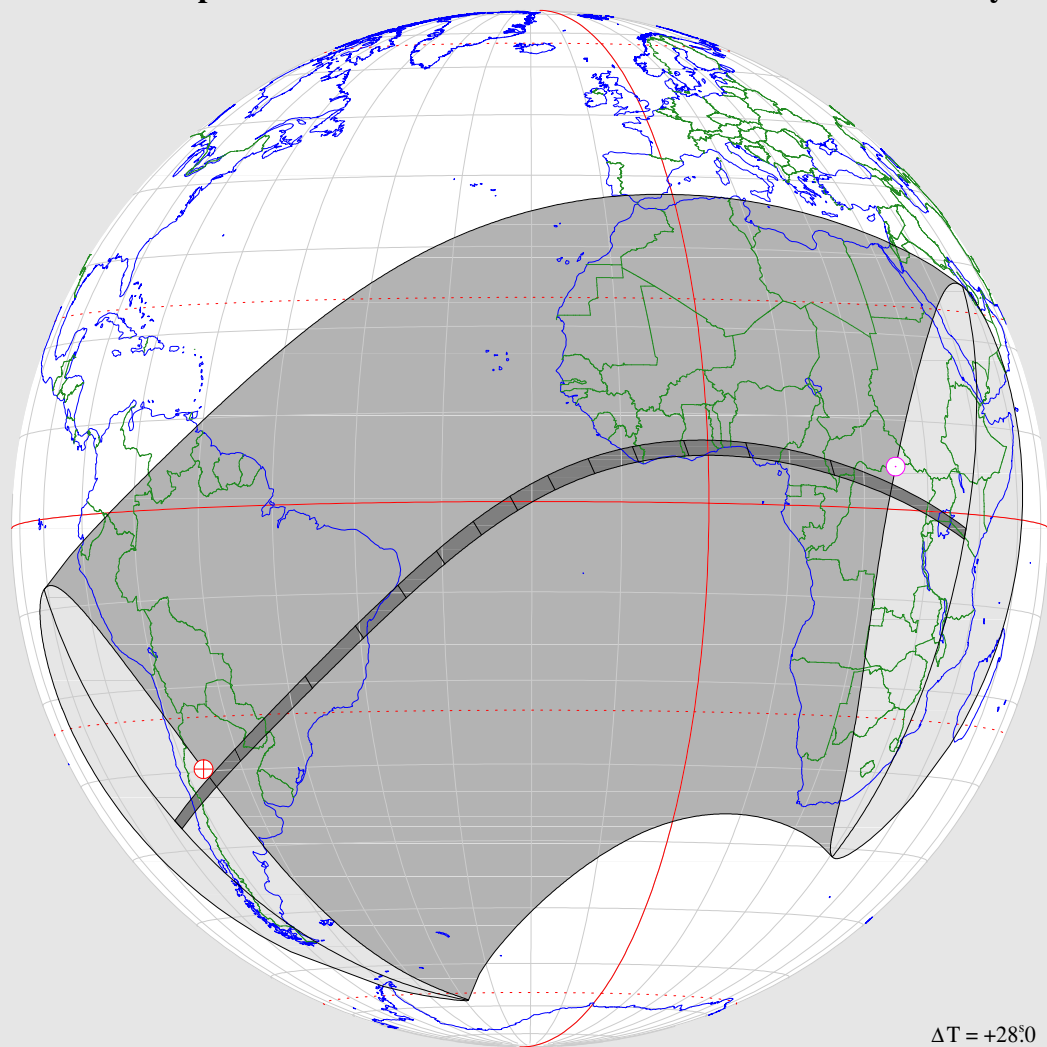


# I. - Total Eclipse of the Sun

1947 May 20



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$\Delta T = +28^s$   
Globe centred on W 20°2' and S 3°0'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	11 10.8	W 66 41.5	S 29 43.9
Beginning of northern limit of umbra	12 09.2	W 78 01.3	S 35 56.0
Beginning of centre line; central eclipse begins	12 09.4	W 77 45.3	S 36 29.7
Beginning of southern limit of umbra	12 09.7	W 77 29.3	S 37 03.5
Beginning of northern limit of penumbra	12 12.4	W 91 12.1	S 7 42.0
Beginning of southern limit of penumbra	12 55.0	W 39 01.0	S 68 21.6
Central eclipse at local apparent noon	13 35.0	W 24 39.9	S 1 57.8
End of southern limit of penumbra	14 40.1	E 30 36.4	S 41 12.6
End of northern limit of penumbra	15 22.1	E 49 06.7	N 26 50.2
End of southern limit of umbra	15 25.1	E 36 48.7	S 2 48.4
End of centre line; central eclipse ends	15 25.3	E 36 58.0	S 2 12.3
End of northern limit of umbra	15 25.5	E 37 07.6	S 1 36.3
⊙ Eclipse ends; last contact with Earth	16 23.9	E 24 51.3	N 4 45.8