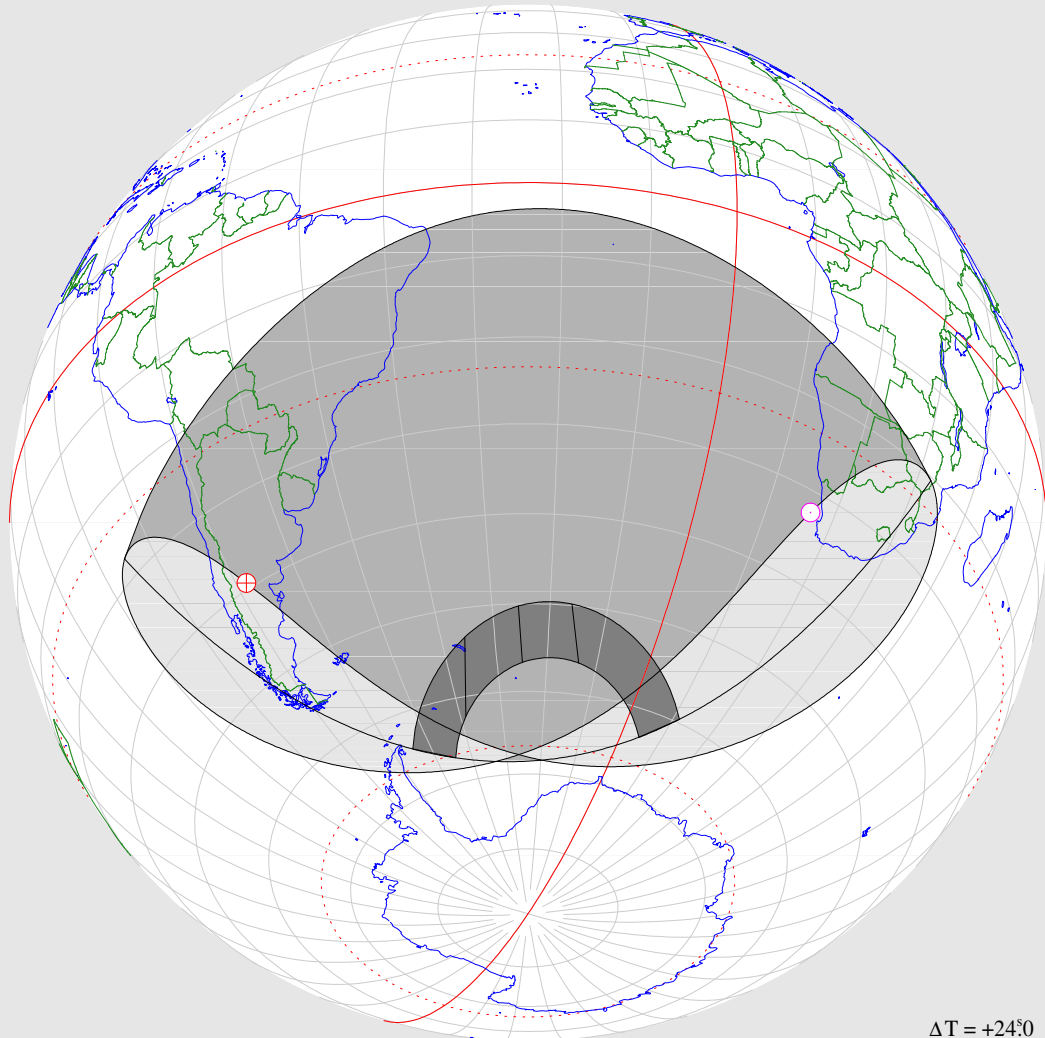


II. - Total Eclipse of the Sun

1938 May 29



©HM Nautical Almanac Office

$\Delta T = +24^{\text{s}}0$
Globe centred on W 23°8' and S 41°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	11	46.2	W 68	23.3	S 39	17.8
Beginning of northern limit of penumbra	12	25.3	W 85	08.4	S 27	32.1
Beginning of northern limit of umbra	13	17.7	W 54	40.6	S 64	21.8
Beginning of centre line; central eclipse begins	13	22.2	W 50	23.7	S 65	38.8
Beginning of southern limit of umbra	13	27.7	W 44	35.5	S 66	54.7
Central eclipse at local apparent noon	13	43.1	W 26	29.0	S 53	25.0
End of southern limit of umbra	14	12.2	E 4	34.5	S 63	15.0
End of centre line; central eclipse ends	14	17.7	E 8	35.1	S 61	19.1
End of northern limit of umbra	14	22.1	E 11	26.6	S 59	34.1
End of northern limit of penumbra	15	14.5	E 32	13.1	S 20	23.4
⊙ Eclipse ends; last contact with Earth	15	53.6	E 16	23.2	S 32	20.7