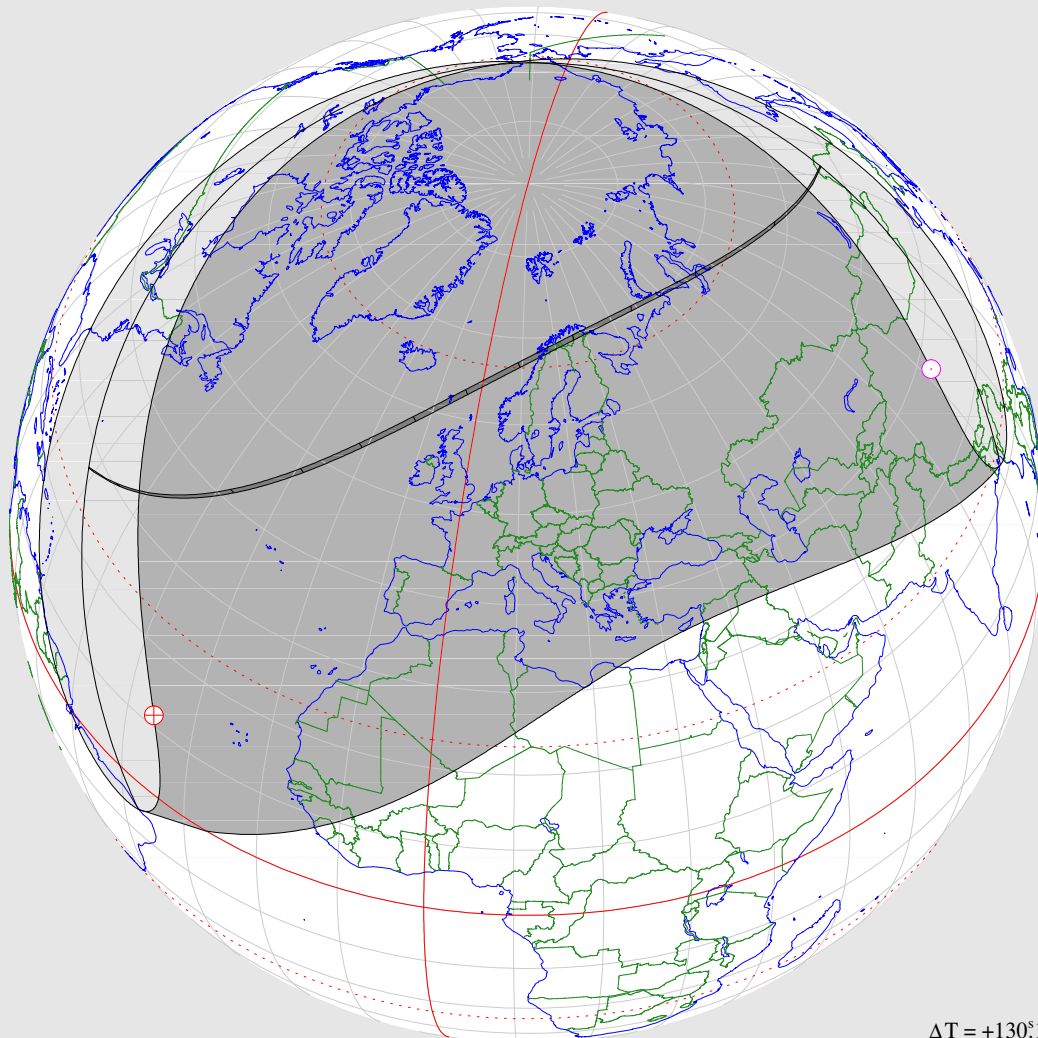


II. - Total Eclipse of the Sun

1612 May 30



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$\Delta T = +130^s.1$
Globe centred on E $11^{\circ}6'$ and N $48^{\circ}9'$

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	8	01.4	W 35	51.3	N 11	32.2
Beginning of southern limit of penumbra	8	34.1	W 37	22.3	S 4	54.4
Beginning of southern limit of umbra	9	14.0	W 61	24.7	N 27	36.3
Beginning of centre line; central eclipse begins	9	14.0	W 61	26.5	N 27	38.3
Beginning of northern limit of umbra	9	14.1	W 61	28.4	N 27	40.2
Central eclipse at local apparent noon	10	51.8	E 16	13.5	N 68	14.1
End of northern limit of umbra	11	50.2	E 123	21.6	N 52	38.8
End of centre line; central eclipse ends	11	50.3	E 123	16.5	N 52	35.9
End of southern limit of umbra	11	50.4	E 123	11.5	N 52	33.0
End of southern limit of penumbra	12	30.3	E 90	53.7	N 21	53.8
⊙ Eclipse ends; last contact with Earth	13	02.9	E 91	37.5	N 37	49.9