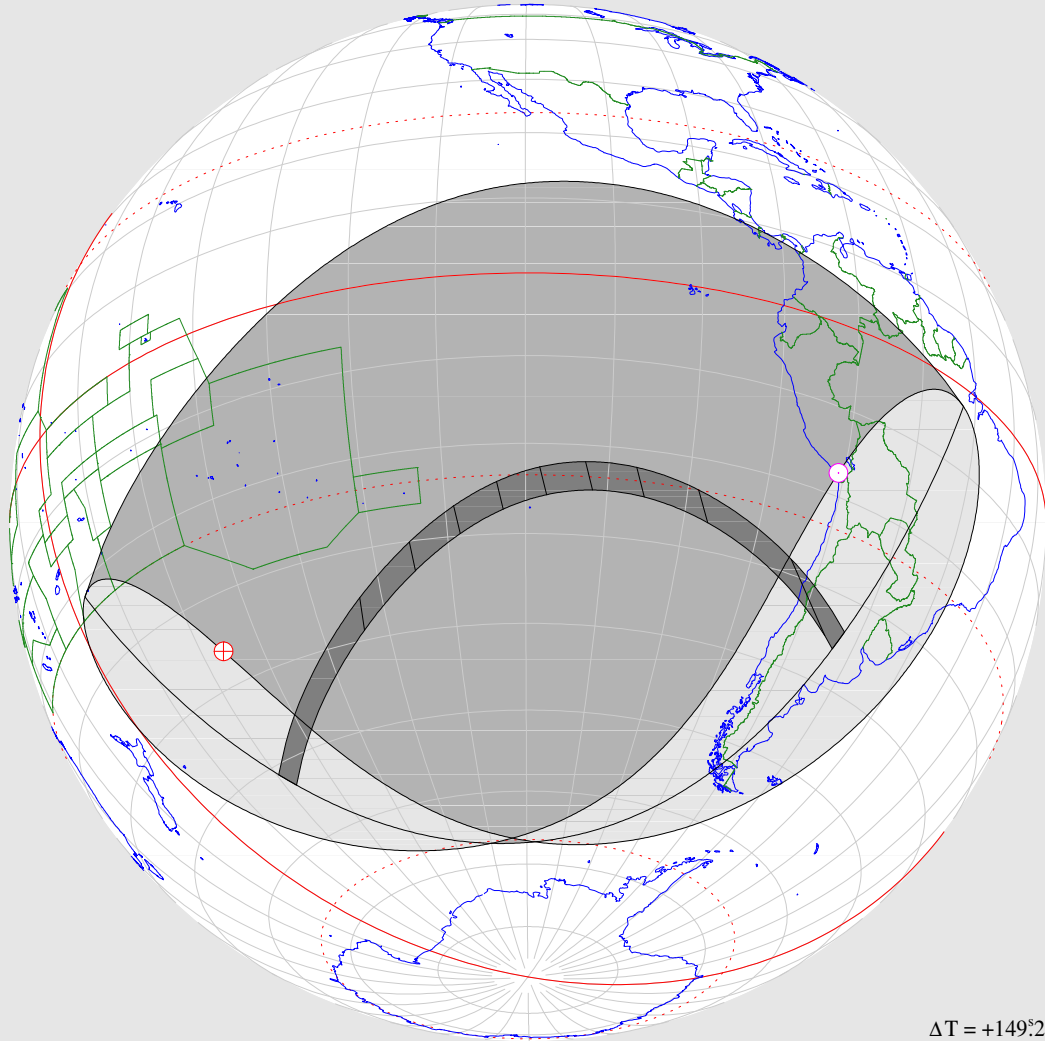


I. - Total Eclipse of the Sun

1592 June 09



©HM Nautical Almanac Office

$\Delta T = +149^s.2$
Globe centred on W 109°7' and S 28°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	17	35.7	W156	17.5	S 36	03.6
Beginning of northern limit of penumbra	18	22.4	W176	23.2	S 21	27.9
Beginning of northern limit of umbra	18	43.5	W159	34.8	S 51	02.5
Beginning of centre line; central eclipse begins	18	45.0	W158	39.2	S 52	02.6
Beginning of southern limit of umbra	18	46.7	W157	39.2	S 53	03.3
Central eclipse at local apparent noon	19	39.2	W115	12.3	S 26	32.7
End of southern limit of umbra	21	00.1	W 63	17.9	S 35	49.4
End of centre line; central eclipse ends	21	01.7	W 62	55.3	S 34	40.0
End of northern limit of umbra	21	03.2	W 62	33.8	S 33	32.1
End of northern limit of penumbra	21	24.2	W 52	28.1	S 2	22.9
⊙ Eclipse ends; last contact with Earth	22	11.1	W 70	49.1	S 17	23.5