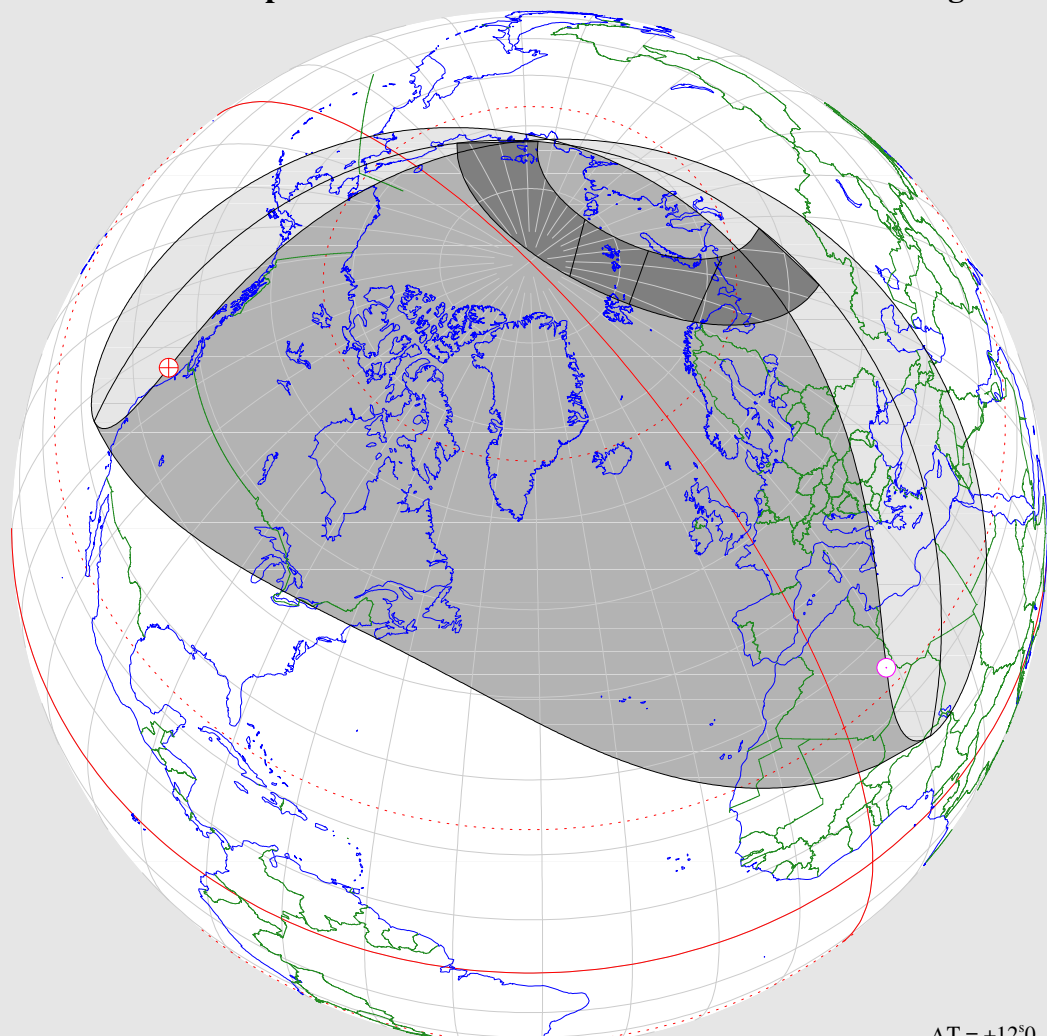


# IV. - Annular Eclipse of the Sun

1739 August 04



©HM Nautical Almanac Office

$\Delta T = +12^m 0$   
Globe centred on W 41°4 and N 59°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	13	15.1	W125	56.1	N45	34.0
Beginning of southern limit of penumbra	13	43.8	W125	57.5	N32	22.7
Beginning of southern limit of umbra	15	01.6	E 163	44.6	N70	35.9
Beginning of centre line; central eclipse begins	15	08.4	E 152	04.6	N71	52.5
Beginning of northern limit of umbra	15	17.3	E 135	37.0	N72	39.5
Central eclipse at local apperent midnight	15	19.9	E 131	26.2	N84	44.3
End of northern limit of umbra	16	04.4	E 66	41.8	N62	17.9
End of centre line; central eclipse ends	16	13.2	E 59	03.4	N58	48.5
End of southern limit of umbra	16	20.1	E 53	49.5	N55	56.7
End of southern limit of penumbra	17	37.7	E 10	56.4	N12	31.3
○ Eclipse ends; last contact with Earth	18	06.4	E 8	34.2	N26	07.5