

I. - Annular Eclipse of the Sun

2074 January 27



©HM Nautical Almanac Office

$\Delta T = +110^s.3$
Globe centred on E 78°3' and N 9°0'

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	3	56.8	E 36 05.2	N 6 25.4
Beginning of southern limit of penumbra	5	01.6	E 12 27.5	S 15 33.3
Beginning of southern limit of umbra	5	02.0	E 22 39.8	N 14 42.6
Beginning of centre line; central eclipse begins	5	02.3	E 22 46.9	N 15 16.4
Beginning of northern limit of umbra	5	02.6	E 22 54.0	N 15 50.2
Beginning of northern limit of penumbra	6	20.4	E 39 43.6	N 63 29.4
Central eclipse at local apparent noon	6	50.0	E 80 39.7	N 7 12.6
End of northern limit of penumbra	7	04.1	E 80 42.7	N 71 37.7
End of northern limit of umbra	8	22.1	E 135 09.8	N 33 07.1
End of centre line; central eclipse ends	8	22.4	E 135 21.0	N 32 32.5
End of southern limit of umbra	8	22.8	E 135 32.2	N 31 58.1
End of southern limit of penumbra	8	23.3	E 146 42.8	N 1 52.9
⊙ Eclipse ends; last contact with Earth	9	28.0	E 122 45.4	N 23 49.1