

# I. - Total Eclipse of the Sun

1502 April 07



©HM Nautical Almanac Office

$\Delta T = +272^s.1$   
Globe centred on E 105°5 and S 13°2

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	3 12.2	E 51 13.9	S 42 30.8
Beginning of northern limit of penumbra	4 06.3	E 32 10.4	S 20 38.7
Beginning of northern limit of umbra	4 11.2	E 39 40.4	S 50 43.1
Beginning of centre line; central eclipse begins	4 11.6	E 39 52.0	S 51 22.5
Beginning of southern limit of umbra	4 12.1	E 40 03.9	S 52 02.1
Beginning of southern limit of penumbra	5 17.5	E 150 49.1	S 74 25.0
Central eclipse at local apparent noon	5 22.8	E 99 12.3	S 18 41.4
End of southern limit of penumbra	6 14.0	E 165 21.0	S 47 00.9
End of southern limit of umbra	7 19.0	E 160 19.4	N 0 57.1
End of centre line; central eclipse ends	7 19.4	E 160 19.8	N 1 37.2
End of northern limit of umbra	7 19.8	E 160 20.5	N 2 17.0
End of northern limit of penumbra	7 24.4	E 165 22.0	N 32 39.5
⊙ Eclipse ends; last contact with Earth	8 18.8	E 147 07.5	N 10 40.5