

V. - Total Eclipse of the Sun

1568 September 21



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$\Delta T = +178^{\text{s}}0$
Globe centred on E 114°6' and N 4°7'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	1 44.9	E 62 34.5	N23 47.4
Beginning of southern limit of umbra	2 40.3	E 48 53.9	N26 23.4
Beginning of centre line; central eclipse begins	2 40.5	E 48 54.3	N27 03.7
Beginning of northern limit of umbra	2 40.7	E 48 54.4	N27 44.0
Beginning of southern limit of penumbra	2 47.6	E 45 17.4	S 4 17.1
Beginning of northern limit of penumbra	3 07.5	E 46 26.2	N61 55.5
Central eclipse at local apparent noon	4 16.7	E 113 14.2	N 6 40.5
End of northern limit of penumbra	5 36.9	W178 24.6	N26 40.9
End of southern limit of penumbra	5 56.3	W179 01.0	S39 40.0
End of northern limit of umbra	6 03.5	E 176 58.3	S 7 41.0
End of centre line; central eclipse ends	6 03.6	E 176 58.0	S 8 21.0
End of southern limit of umbra	6 03.8	E 176 58.0	S 9 01.0
⊙ Eclipse ends; last contact with Earth	6 59.2	E 163 15.7	S 11 37.6