

II. - Total Eclipse of the Sun

1521 April 07



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$\Delta T = +243.1$
Globe centred on E 78°9' and N 19°6'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	3 45.8	E 36 44.0	S 17 41.1
Beginning of southern limit of penumbra	4 39.1	E 29 51.6	S 43 09.1
Beginning of southern limit of umbra	4 41.5	E 22 00.1	S 13 33.4
Beginning of centre line; central eclipse begins	4 41.9	E 21 45.5	S 12 49.3
Beginning of northern limit of umbra	4 42.4	E 21 30.6	S 12 05.0
Beginning of northern limit of penumbra	5 19.4	E 5 30.5	N 23 36.6
Central eclipse at local apparent noon	6 34.6	E 81 13.2	N 26 07.8
End of northern limit of penumbra	7 24.2	W 161 18.2	N 74 12.3
End of northern limit of umbra	8 01.5	E 158 34.5	N 41 00.2
End of centre line; central eclipse ends	8 01.9	E 158 13.8	N 40 16.0
End of southern limit of umbra	8 02.4	E 157 53.7	N 39 32.0
End of southern limit of penumbra	8 05.1	E 150 24.5	N 9 54.5
⊙ Eclipse ends; last contact with Earth	8 58.1	E 142 47.1	N 35 27.3