

I. - Total Eclipse of the Sun

1571 January 25



$\Delta T = +175^s.1$

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Globe centred on W 62°3' and N 8°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	13	29.6	W107	14.3	N 4	59.4
Beginning of southern limit of penumbra	14	27.3	W128	03.6	S 16	23.9
Beginning of southern limit of umbra	14	30.4	W119	43.4	N 13	58.0
Beginning of centre line; central eclipse begins	14	30.5	W119	41.0	N 14	13.2
Beginning of northern limit of umbra	14	30.7	W119	38.7	N 14	28.4
Beginning of northern limit of penumbra	15	46.4	W106	15.0	N 63	54.3
Central eclipse at local apparent noon	16	14.1	W 59	49.5	N 10	35.9
End of northern limit of penumbra	16	22.5	W 70	24.0	N 73	32.4
End of northern limit of umbra	17	38.5	W 3	22.0	N 36	25.9
End of centre line; central eclipse ends	17	38.6	W 3	17.9	N 36	12.0
End of southern limit of umbra	17	38.8	W 3	13.8	N 35	58.0
End of southern limit of penumbra	17	42.1	E 6	28.9	N 5	48.0
⊙ Eclipse ends; last contact with Earth	18	39.7	W 14	48.6	N 27	07.1