

II. - Total Eclipse of the Sun

1593 May 30



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$\Delta T = +148^s.1$
Globe centred on W 16°0 and N 19°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	10	26.0	W 61	36.9	S 13	59.5
Beginning of southern limit of umbra	11	21.1	W 75	00.4	S 14	52.5
Beginning of centre line; central eclipse begins	11	21.3	W 75	21.4	S 14	10.5
Beginning of northern limit of umbra	11	21.6	W 75	42.7	S 13	28.6
Beginning of southern limit of penumbra	11	29.1	W 61	10.1	S 43	01.9
Beginning of northern limit of penumbra	11	43.5	W 93	03.5	N 15	27.9
Central eclipse at local apparent noon	13	04.7	W 17	00.4	N 21	19.3
End of northern limit of penumbra	14	26.4	E 73	36.3	N 41	50.7
End of southern limit of penumbra	14	41.1	E 41	59.8	S 16	41.8
End of northern limit of umbra	14	48.5	E 52	39.9	N 13	42.1
End of centre line; central eclipse ends	14	48.7	E 52	18.3	N 12	59.5
End of southern limit of umbra	14	48.9	E 51	57.1	N 12	16.8
⊙ Eclipse ends; last contact with Earth	15	43.9	E 38	34.4	N 13	10.5