

I. - Total Eclipse of the Sun

2041 April 30



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$\Delta T = +87^s.6$
Globe centred on E 12°7' and S 10°9'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	9	11.0	W 35	48.9	S 39	19.9
Beginning of northern limit of penumbra	10	10.0	W 58	12.8	S 18	03.8
Beginning of centre line; central eclipse begins	10	14.4	W 46	43.8	S 48	29.4
Beginning of northern limit of umbra	10	14.3	W 46	46.0	S 48	24.6
Beginning of southern limit of umbra	10	14.4	W 46	41.5	S 48	34.3
Central eclipse at local apparent noon	11	29.3	E 6	57.6	S 14	33.5
Beginning of southern limit of penumbra	11	42.3	E 57	35.8	S 65	36.2
End of southern limit of penumbra	12	00.1	E 63	34.7	S 58	19.1
End of southern limit of umbra	13	27.6	E 66	38.5	S 2	49.1
End of northern limit of umbra	13	27.7	E 66	39.2	S 2	41.6
End of centre line; central eclipse ends	13	27.6	E 66	38.9	S 2	45.4
End of northern limit of penumbra	13	31.7	E 74	38.4	N 28	13.5
⊙ Eclipse ends; last contact with Earth	14	31.0	E 53	21.4	N 6	45.4