

II. - Total Eclipse of the Sun

2060 April 30



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$\Delta T = +100^s.7$
Globe centred on E 22°9' and N 23°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	7	31.9	W 19	45.1	S 14	19.5
Beginning of southern limit of penumbra	8	23.1	W 23	52.0	S 39	05.1
Beginning of southern limit of umbra	8	27.6	W 34	49.7	S 10	15.8
Beginning of centre line; central eclipse begins	8	28.1	W 35	08.7	S 9	32.2
Beginning of northern limit of umbra	8	28.6	W 35	28.0	S 8	48.6
Beginning of northern limit of penumbra	9	06.7	W 54	58.5	N 26	07.6
Central eclipse at local apparent noon	10	19.3	E 24	27.3	N 30	35.9
End of northern limit of penumbra	11	09.4	E 145	48.7	N 68	45.4
End of northern limit of umbra	11	47.9	E 104	06.3	N 37	10.1
End of centre line; central eclipse ends	11	48.4	E 103	40.9	N 36	27.9
End of southern limit of umbra	11	48.8	E 103	16.3	N 35	45.8
End of southern limit of penumbra	11	53.7	E 92	42.9	N 6	51.4
⊙ Eclipse ends; last contact with Earth	12	44.6	E 87	44.3	N 31	45.3