

IV. - Total Eclipse of the Sun

2027 August 02



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ΔT = +78°0'
Globe centred on E 32°2' and N 22°8'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	7 30.0	W 29 38.2	N25 15.6
Beginning of southern limit of penumbra	8 24.3	W 34 04.5	S 1 20.0
Beginning of southern limit of umbra	8 24.5	W 43 59.3	N27 06.3
Beginning of centre line; central eclipse begins	8 24.9	W 44 26.9	N27 57.3
Beginning of northern limit of umbra	8 25.4	W 44 55.3	N28 48.4
Beginning of northern limit of penumbra	8 55.6	W 73 51.1	N58 29.2
Central eclipse at local apparent noon	10 00.9	E 31 21.7	N26 41.1
End of northern limit of penumbra	11 17.7	E 108 50.0	N19 59.2
End of northern limit of umbra	11 47.7	E 90 52.1	S 11 37.6
End of centre line; central eclipse ends	11 48.2	E 90 28.0	S 12 29.3
End of southern limit of penumbra	11 48.5	E 78 03.5	S 41 25.0
End of southern limit of umbra	11 48.6	E 90 04.2	S 13 20.9
⊙ Eclipse ends; last contact with Earth	12 43.0	E 75 49.4	S 15 12.8