

V. - Total Eclipse of the Sun

2084 December 27



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$\Delta T = +118^{\circ}0$
Globe centred on E 45°3 and S 39°0

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	6 38.0	W 19 10.1	S 21 56.4
Beginning of northern limit of penumbra	7 18.9	W 19 59.0	S 1 22.0
Beginning of northern limit of umbra	7 37.0	W 38 01.1	S 29 30.6
Beginning of centre line; central eclipse begins	7 37.4	W 38 19.1	S 29 51.5
Beginning of southern limit of umbra	7 37.8	W 38 37.4	S 30 12.5
Beginning of southern limit of penumbra	8 42.7	W107 42.8	S 65 01.3
Central eclipse at local apparent noon	9 05.5	E 43 57.4	S 47 57.9
End of southern limit of penumbra	9 41.2	E 163 34.6	S 55 23.5
End of southern limit of umbra	10 45.9	E 115 22.2	S 14 47.4
End of centre line; central eclipse ends	10 46.3	E 115 06.0	S 14 25.3
End of northern limit of umbra	10 46.7	E 114 50.0	S 14 03.3
End of northern limit of penumbra	11 04.7	E 97 51.3	N 14 18.5
⊙ Eclipse ends; last contact with Earth	11 45.6	E 96 40.4	S 6 20.6