

V. - Annular Eclipse of the Sun

1879 July 19



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$\Delta T = -5^s 3$
Globe centred on E 42°5' and N 12°3'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	6 10.8	W 5 16.5	N 10 30.8
Beginning of centre line; central eclipse begins	7 13.4	W 19 49.5	N 7 45.2
Beginning of northern limit of umbra	7 13.4	W 19 57.5	N 8 04.7
Beginning of southern limit of umbra	7 13.4	W 19 41.6	N 7 25.8
Beginning of northern limit of penumbra	7 31.0	W 38 11.1	N 37 19.2
Beginning of southern limit of penumbra	7 34.4	W 11 39.0	S 25 22.4
Central eclipse at local apparent noon	9 09.4	E 44 08.8	N 12 20.9
End of southern limit of penumbra	10 34.5	E 80 38.4	S 54 24.5
End of northern limit of penumbra	10 38.4	E 114 28.1	N 6 41.8
End of southern limit of umbra	10 55.8	E 97 58.3	S 23 33.2
End of northern limit of umbra	10 55.8	E 98 15.3	S 22 57.4
End of centre line; central eclipse ends	10 55.8	E 98 06.8	S 23 15.3
⊙ Eclipse ends; last contact with Earth	11 58.2	E 83 43.4	S 20 31.6