

II. - Annular-Total Eclipse of the Sun

1846 April 25



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$\Delta T = +6^s.5$
Globe centred on W 75°3 and N 21°5

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	14 02.2	W119 37.7	S 6 12.9
Beginning of southern limit of penumbra	15 01.0	W127 01.4	S 33 01.0
Beginning of southern limit of umbra	15 03.0	W135 46.7	S 2 11.6
Beginning of centre line; central eclipse begins	15 03.1	W135 48.9	S 2 05.9
Beginning of northern limit of umbra	15 03.2	W135 51.1	S 2 00.2
Beginning of northern limit of penumbra	15 42.1	W155 08.4	N33 56.8
Central eclipse at local apparent noon	16 55.9	W 74 30.6	N25 29.5
End of northern limit of penumbra	17 58.4	E 23 55.3	N60 01.2
End of northern limit of umbra	18 37.5	W 3 34.8	N25 08.9
End of southern limit of umbra	18 37.7	W 3 41.0	N24 54.8
End of centre line; central eclipse ends	18 37.6	W 3 37.9	N25 01.8
End of southern limit of penumbra	18 39.9	W 11 56.3	S 5 59.0
⊙ Eclipse ends; last contact with Earth	19 38.6	W 20 01.0	N20 56.0