

III. - Annular-Total Eclipse of the Sun

1825 June 16



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$\Delta T = +9^s 9$
Globe centred on W 6°1 and S 1°0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	9	32.0	W 48	35.5	S 9	58.0
Beginning of centre line; central eclipse begins	10	36.2	W 61	11.6	S 17	27.1
Beginning of northern limit of umbra	10	36.1	W 61	15.6	S 17	16.5
Beginning of southern limit of umbra	10	36.3	W 61	07.6	S 17	37.9
Beginning of northern limit of penumbra	10	40.1	W 75	05.7	N 11	38.3
Beginning of southern limit of penumbra	11	33.1	W 42	32.4	S 56	28.1
Central eclipse at local apparent noon	12	21.4	W 5	18.7	N 0	54.8
End of southern limit of penumbra	13	04.5	E 22	56.5	S 60	55.0
End of northern limit of penumbra	13	57.6	E 62	54.8	N 5	12.5
End of southern limit of umbra	14	01.4	E 48	37.9	S 23	56.1
End of northern limit of umbra	14	01.6	E 48	45.5	S 23	37.6
End of centre line; central eclipse ends	14	01.5	E 48	41.7	S 23	46.9
⊙ Eclipse ends; last contact with Earth	15	05.6	E 36	21.1	S 16	21.4