

III. - Annular Eclipse of the Sun

1730 July 15



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$\Delta T = +11^s 0$
Globe centred on E 111°8' and N 37°9'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	2 00.9	E 48 29.4	N 28 49.0
Beginning of southern limit of penumbra	2 48.5	E 46 11.7	N 7 30.7
Beginning of southern limit of umbra	3 10.9	E 26 33.5	N 36 25.9
Beginning of centre line; central eclipse begins	3 12.3	E 25 31.8	N 37 28.5
Beginning of northern limit of umbra	3 13.7	E 24 28.0	N 38 31.6
Central eclipse at local apparent noon	4 45.1	E 110 01.9	N 48 28.9
End of northern limit of umbra	6 44.3	E 174 37.2	N 10 54.4
End of centre line; central eclipse ends	6 45.7	E 173 48.8	N 9 48.4
End of southern limit of umbra	6 47.1	E 173 01.5	N 8 43.1
End of southern limit of penumbra	7 09.3	E 155 24.5	S 20 37.7
⊙ Eclipse ends; last contact with Earth	7 57.1	E 152 22.3	N 0 50.1