

II. - Annular Eclipse of the Sun

1615 March 29



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$\Delta T = +127^s.8$
Globe centred on E 71°0 and N 10°1

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	4	08.2	E 30	37.7	S 23	42.3
Beginning of southern limit of umbra	5	10.5	E 14	53.7	S 21	09.8
Beginning of centre line; central eclipse begins	5	10.7	E 14	49.5	S 20	41.0
Beginning of northern limit of umbra	5	10.8	E 14	45.2	S 20	12.2
Beginning of southern limit of penumbra	5	17.8	E 16	08.8	S 53	13.1
Beginning of northern limit of penumbra	5	42.6	E 4	43.2	N 15	34.9
Central eclipse at local apparent noon	7	10.3	E 73	41.3	N 12	57.1
End of northern limit of penumbra	8	19.4	E 157	30.9	N 73	27.2
End of southern limit of penumbra	8	45.1	E 140	16.1	N 4	52.5
End of northern limit of umbra	8	51.6	E 140	55.8	N 38	00.5
End of centre line; central eclipse ends	8	51.8	E 140	50.3	N 37	30.3
End of southern limit of umbra	8	51.9	E 140	45.0	N 37	00.1
⊙ Eclipse ends; last contact with Earth	9	54.3	E 124	56.4	N 34	29.2