

V. - Annular Eclipse of the Sun

1897 July 29



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ΔT = -5:1
Globe centred on W 60°2 and N 13°6

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	13	01.9	W109	48.7	N16	58.4
Beginning of southern limit of umbra	14	04.4	W124	50.5	N15	21.1
Beginning of centre line; central eclipse begins	14	04.4	W125	00.3	N15	44.7
Beginning of northern limit of umbra	14	04.5	W125	10.1	N16	08.2
Beginning of southern limit of penumbra	14	19.2	W117	26.1	S16	42.0
Beginning of northern limit of penumbra	14	26.4	W145	31.8	N46	05.2
Central eclipse at local apparent noon	15	59.7	W 58	22.2	N14	47.0
End of northern limit of penumbra	17	27.9	E 12	24.4	N 8	20.6
End of southern limit of penumbra	17	34.5	W 19	20.0	S 53	42.8
End of northern limit of umbra	17	49.5	W 3	46.9	S 22	22.2
End of centre line; central eclipse ends	17	49.6	W 3	56.8	S 22	44.3
End of southern limit of umbra	17	49.7	W 4	06.6	S 23	06.3
⊙ Eclipse ends; last contact with Earth	18	52.1	W 19	05.2	S 21	30.9