

### III. - Total Eclipse of the Sun

1932 August 31



$\Delta T = +23^s.9$

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Globe centred on W 93°0 and N 47°4

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	17	44.6	E 169	17.1	N 59	15.3
Beginning of southern limit of penumbra	18	17.2	E 167	25.6	N 43	59.2
Beginning of southern limit of umbra	19	03.6	E 111	21.8	N 79	20.6
Beginning of centre line; central eclipse begins	19	04.3	E 109	09.6	N 79	36.6
Beginning of northern limit of umbra	19	05.1	E 106	49.5	N 79	51.9
Central eclipse at local apparent noon	19	16.9	W 109	10.9	N 78	37.9
End of northern limit of umbra	21	01.9	W 40	42.5	N 28	56.9
End of centre line; central eclipse ends	21	02.7	W 40	59.7	N 28	28.2
End of southern limit of umbra	21	03.5	W 41	16.5	N 27	59.9
End of southern limit of penumbra	21	49.5	W 58	57.0	S 10	39.4
○ Eclipse ends; last contact with Earth	22	22.2	W 64	46.5	N 4	59.9