

IV. - Total Eclipse of the Sun

2017 August 21



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$\Delta T = +71^s.2$
Globe centred on W 90°3 and N 30°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	15	46.8	W153	04.5	N30	32.5
Beginning of southern limit of penumbra	16	32.9	W159	18.4	N 8	38.7
Beginning of southern limit of umbra	16	48.8	W171	24.4	N39	27.7
Beginning of centre line; central eclipse begins	16	49.0	W171	34.3	N39	43.9
Beginning of northern limit of umbra	16	49.3	W171	44.3	N40	00.2
Beginning of northern limit of penumbra	18	06.2	E 71	40.1	N77	34.4
Central eclipse at local apparent noon	18	13.2	W 92	32.5	N38	55.3
End of northern limit of penumbra	18	45.1	E 12	38.4	N61	55.3
End of northern limit of umbra	20	01.8	W 27	18.7	N11	16.1
End of centre line; central eclipse ends	20	02.1	W 27	25.7	N11	00.9
End of southern limit of umbra	20	02.3	W 27	32.7	N10	45.8
End of southern limit of penumbra	20	18.0	W 38	11.4	S 20	17.2
⊙ Eclipse ends; last contact with Earth	21	04.3	W 44	59.0	N 1	42.2