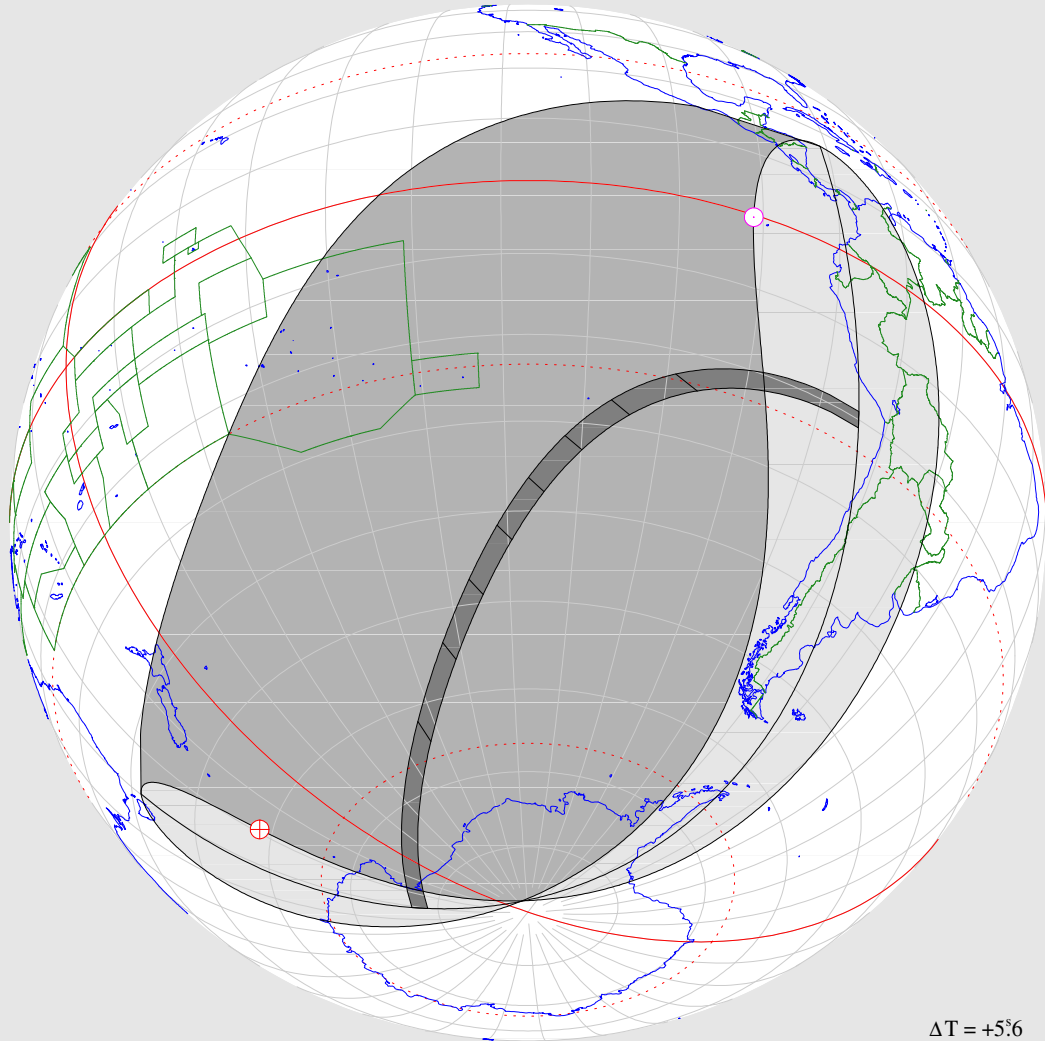


I. - Total Eclipse of the Sun

1838 March 25-26



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$\Delta T = +5^s.6$
Globe centred on W 117°0 and S 41°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	19	34.0	E 161	05.4	S 58	28.5
Beginning of northern limit of penumbra	20	12.1	E 150	10.7	S 41	39.6
Beginning of northern limit of umbra	20	43.4	E 148	57.0	S 77	02.0
Beginning of centre line; central eclipse begins	20	44.6	E 149	16.9	S 77	55.1
Beginning of southern limit of umbra	20	45.8	E 149	43.0	S 78	49.1
Central eclipse at local apparent noon	21	09.1	W 135	45.4	S 57	50.1
End of southern limit of umbra	22	59.0	W 73	58.4	S 20	52.7
End of centre line; central eclipse ends	23	00.2	W 74	14.8	S 19	58.3
End of northern limit of umbra	23	01.4	W 74	30.6	S 19	04.8
End of northern limit of penumbra	23	32.4	W 81	00.7	N 16	33.9
⊙ Eclipse ends; last contact with Earth	0	10.6	W 91	10.4	S 0	21.5