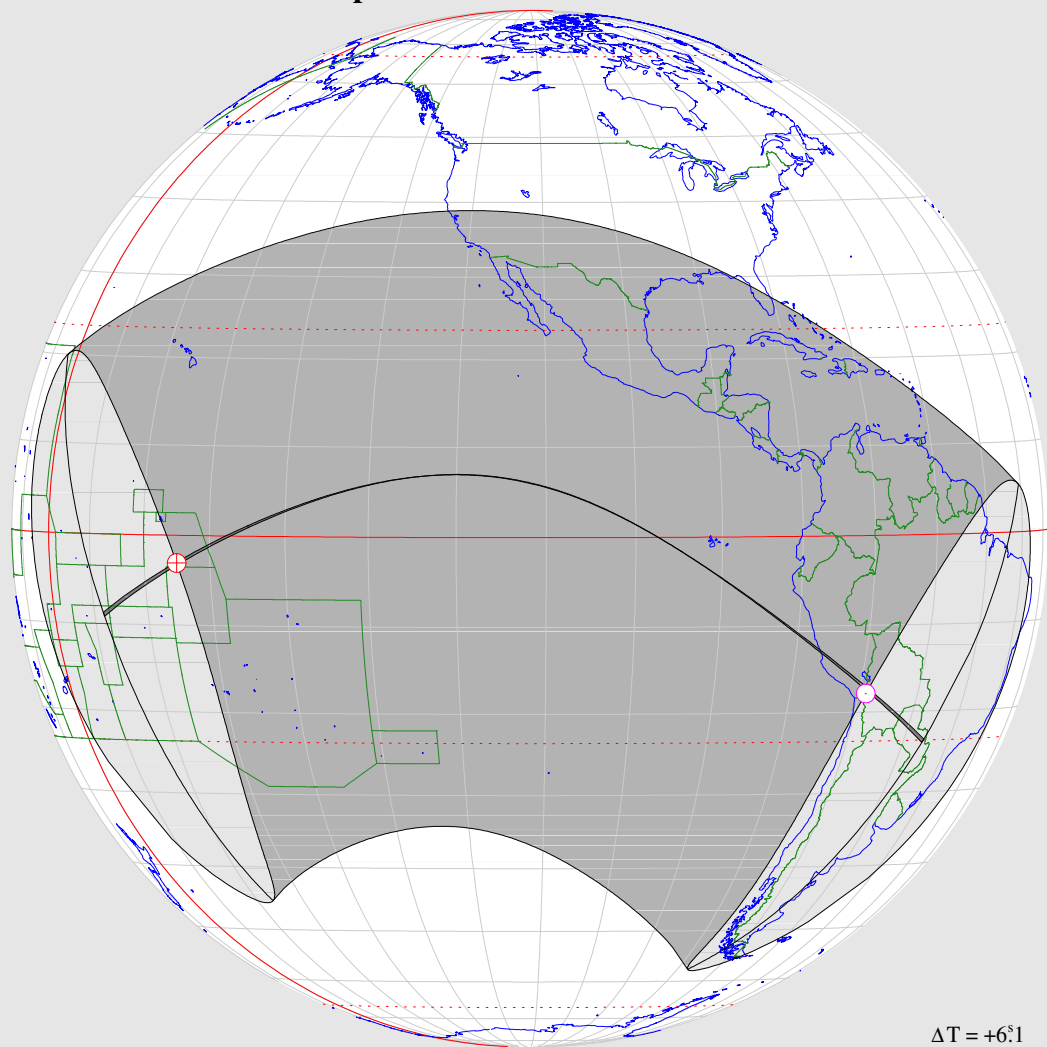


III. - Annular-Total Eclipse of the Sun

1843 June 27



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$\Delta T = +6^s.1$
Globe centred on W 111°8' and N 1°0'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	16	27.3	W154	51.2	S 3	04.4
Beginning of centre line; central eclipse begins	17	30.7	W168	07.2	S 8	56.9
Beginning of northern limit of umbra	17	30.6	W168	12.2	S 8	43.8
Beginning of southern limit of umbra	17	30.7	W168	02.2	S 9	10.0
Beginning of northern limit of penumbra	17	39.4	E 176	45.6	N 20	00.6
Beginning of southern limit of penumbra	18	11.1	W156	24.3	S 45	08.1
Central eclipse at local apparent noon	19	21.7	W109	46.4	N 5	31.2
End of southern limit of penumbra	20	22.6	W 77	26.2	S 57	23.6
End of northern limit of penumbra	20	54.5	W 40	41.5	N 5	16.6
End of southern limit of umbra	21	03.1	W 56	05.5	S 23	48.1
End of northern limit of umbra	21	03.2	W 55	54.9	S 23	24.9
End of centre line; central eclipse ends	21	03.1	W 56	00.2	S 23	36.5
⊙ Eclipse ends; last contact with Earth	22	06.4	W 68	55.0	S 17	48.8