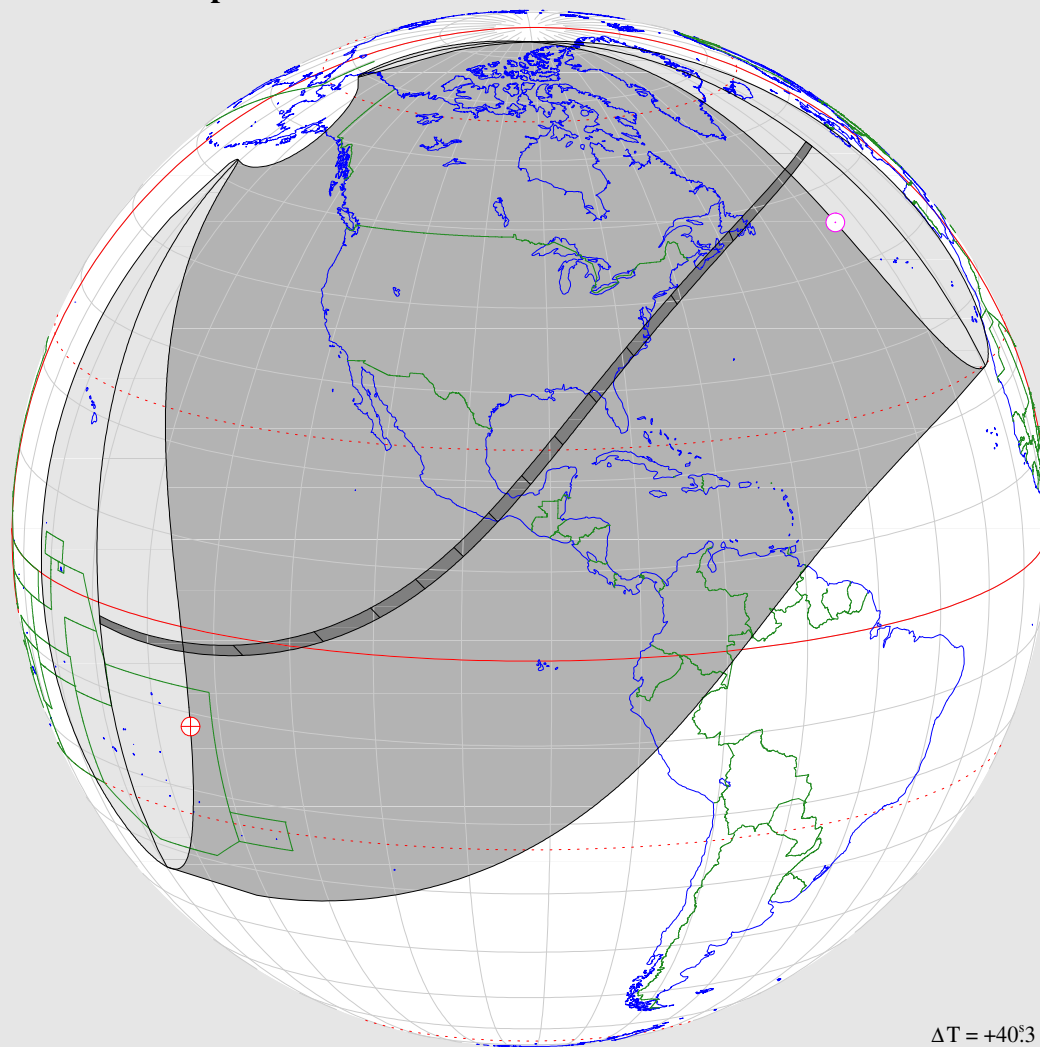


II. - Total Eclipse of the Sun

1970 March 07



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$\Delta T = +40^s.3$
Globe centred on W 92°4 and N 14°8

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	15	04.3	W134	22.2	S 11	40.7
Beginning of southern limit of penumbra	15	56.3	W149	50.3	S 33	49.5
Beginning of southern limit of umbra	16	04.2	W148	29.7	S 2	26.3
Beginning of centre line; central eclipse begins	16	04.6	W148	32.3	S 1	59.2
Beginning of northern limit of umbra	16	04.9	W148	34.9	S 1	32.1
Beginning of northern limit of penumbra	17	21.8	W160	45.0	N52	42.0
End of northern limit of penumbra	17	53.1	W161	31.8	N69	13.3
Central eclipse at local apparent noon	18	03.2	W 88	01.2	N25	32.6
End of northern limit of umbra	19	10.5	W 22	27.8	N55	26.9
End of centre line; central eclipse ends	19	10.8	W 22	25.5	N55	00.9
End of southern limit of umbra	19	11.1	W 22	23.3	N54	35.0
End of southern limit of penumbra	19	19.4	W 19	19.9	N23	18.5
⊙ Eclipse ends; last contact with Earth	20	11.3	W 35	20.5	N45	24.4