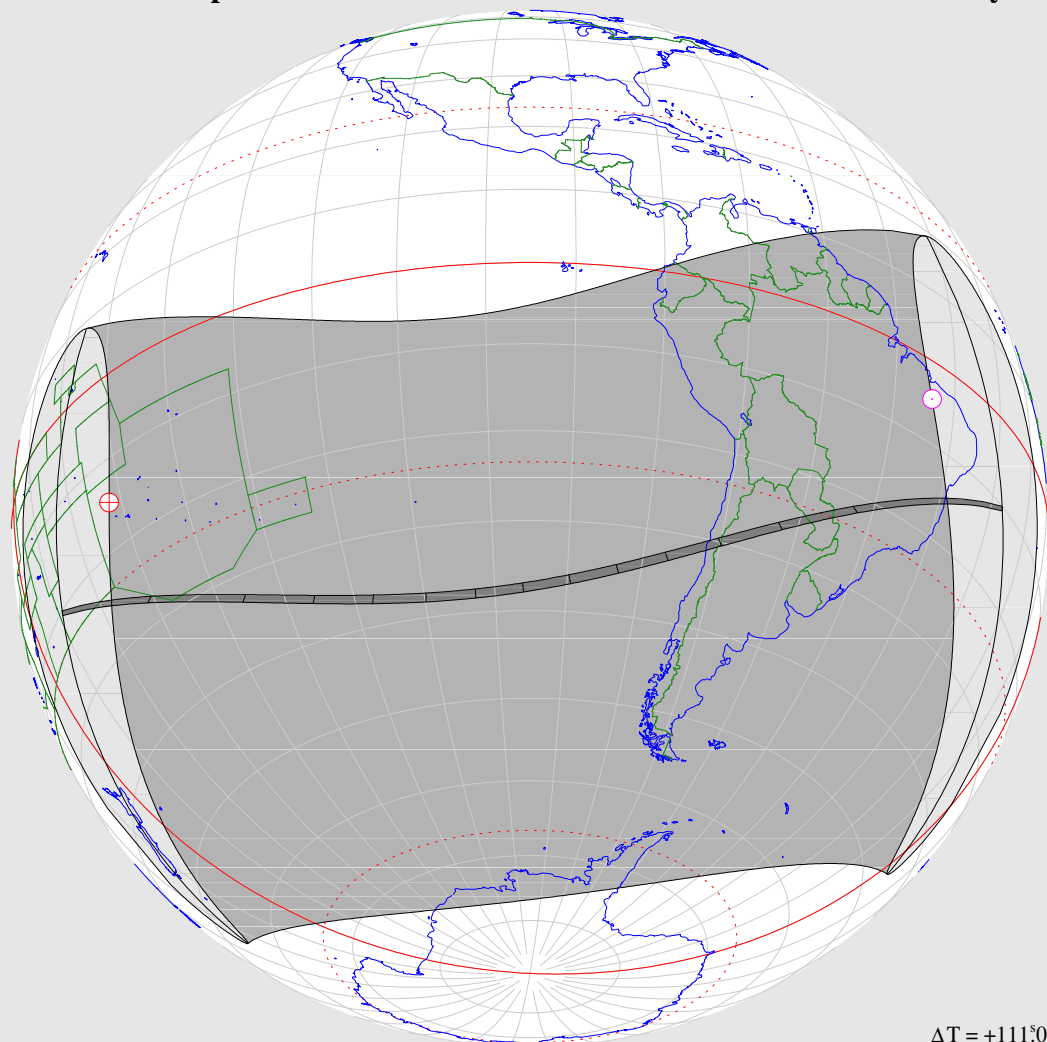


## II. - Total Eclipse of the Sun

2075 January 16



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$\Delta T = +111^s 0$   
Globe centred on W 95°1 and S 30°9

Circumstances	Time (UT)		Longitude		Latitude
	h	m	°	'	°
⊕ Eclipse begins; first contact with Earth	15	55.5	W152	13.0	S 14 47.7
Beginning of northern limit of penumbra	16	43.8	W155	05.8	N 8 53.0
Beginning of northern limit of umbra	16	53.6	W168	55.0	S 19 59.7
Beginning of centre line; central eclipse begins	16	53.8	W169	03.7	S 20 13.2
Beginning of southern limit of umbra	16	54.0	W169	12.5	S 20 26.7
Beginning of southern limit of penumbra	17	39.4	E 155	09.6	S 54 41.2
Central eclipse at local apparent noon	18	31.5	W 95	25.6	S 37 19.9
End of southern limit of penumbra	19	29.1	E 3	09.3	S 45 49.2
End of southern limit of umbra	20	14.5	W 27	10.0	S 10 26.1
End of centre line; central eclipse ends	20	14.6	W 27	17.6	S 10 13.3
End of northern limit of umbra	20	14.8	W 27	25.3	S 10 00.6
End of northern limit of penumbra	20	24.6	W 41	11.1	N 18 54.8
⊙ Eclipse ends; last contact with Earth	21	12.9	W 43	58.8	S 4 45.5