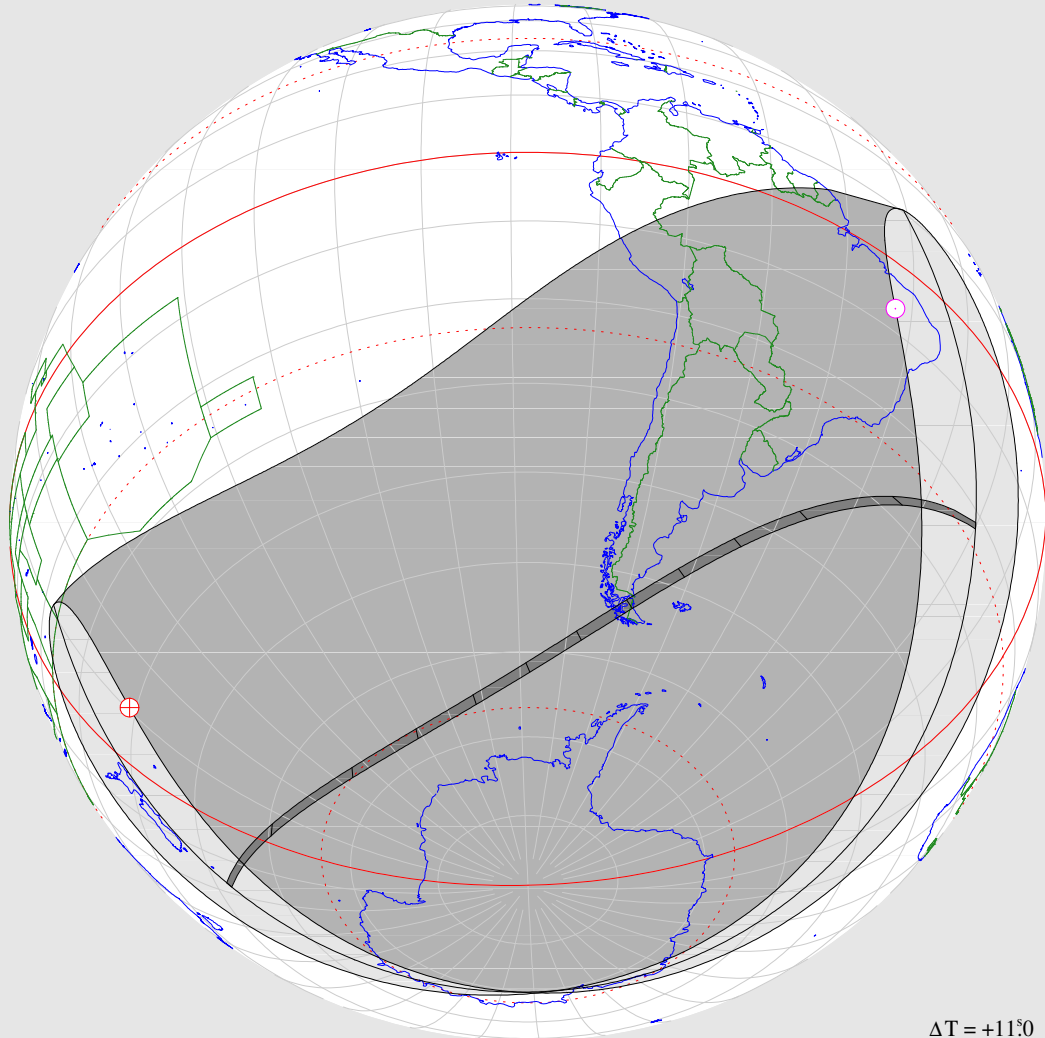


# I. - Total Eclipse of the Sun

1730 January 18



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$\Delta T = +11^{\text{m}}30^{\text{s}}$   
Globe centred on W 88°1' and S 45°6'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	16	18.7	W169	29.6	S 38	57.8
Beginning of northern limit of penumbra	16	52.3	W169	00.9	S 22	05.3
Beginning of northern limit of umbra	17	24.9	E 162	55.1	S 52	03.2
Beginning of centre line; central eclipse begins	17	25.3	E 162	30.6	S 52	19.1
Beginning of southern limit of umbra	17	25.8	E 162	05.8	S 52	35.0
Central eclipse at local apparent noon	18	24.0	W 93	13.5	S 63	12.4
End of southern limit of umbra	20	04.6	W 19	50.5	S 21	38.4
End of centre line; central eclipse ends	20	05.0	W 20	04.2	S 21	21.2
End of northern limit of umbra	20	05.4	W 20	17.8	S 21	04.0
End of northern limit of penumbra	20	37.9	W 40	38.9	N 10	29.7
⊙ Eclipse ends; last contact with Earth	21	11.6	W 42	32.2	S 6	52.6