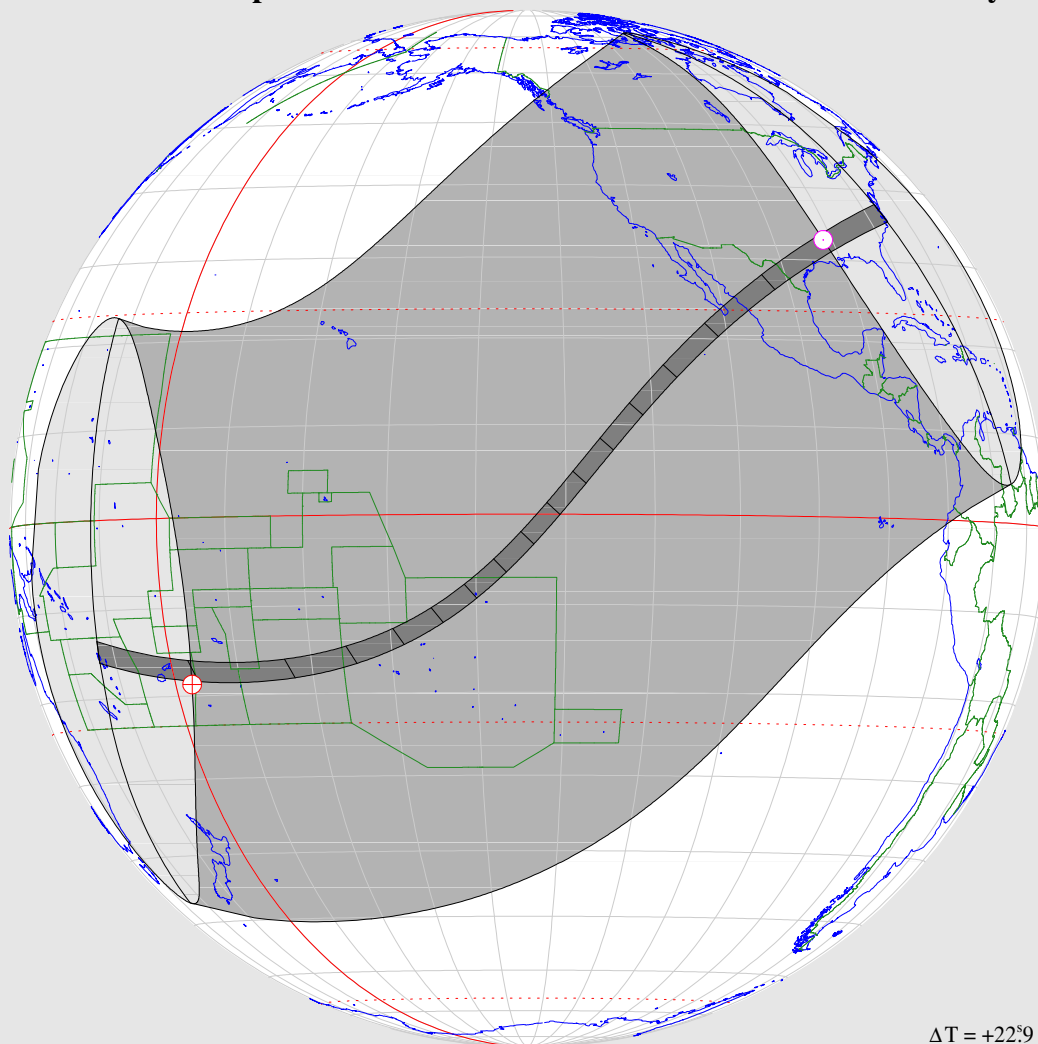


II. - Annular Eclipse of the Sun

1673 February 16



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$\Delta T = +22:9$
Globe centred on W 134°2 and S 1°6

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	17	47.6	W177	20.4	S 18	40.1
Beginning of southern limit of umbra	18	54.4	E 166	36.1	S 15	53.1
Beginning of centre line; central eclipse begins	18	54.6	E 166	49.8	S 14	39.0
Beginning of northern limit of umbra	18	54.9	E 167	02.7	S 13	24.6
Beginning of southern limit of penumbra	19	07.0	E 153	55.8	S 46	45.8
Beginning of northern limit of penumbra	19	28.4	E 166	42.7	N 23	05.1
Central eclipse at local apparent noon	21	00.1	W131	21.9	N 0	39.2
End of northern limit of penumbra	22	08.8	W 98	09.0	N 71	44.3
End of southern limit of penumbra	22	31.1	W 65	02.4	N 4	20.6
End of northern limit of umbra	22	42.8	W 76	27.3	N 37	51.7
End of centre line; central eclipse ends	22	43.0	W 76	07.0	N 36	39.4
End of southern limit of umbra	22	43.3	W 75	46.8	N 35	27.3
⊙ Eclipse ends; last contact with Earth	23	50.0	W 91	36.5	N 32	40.9