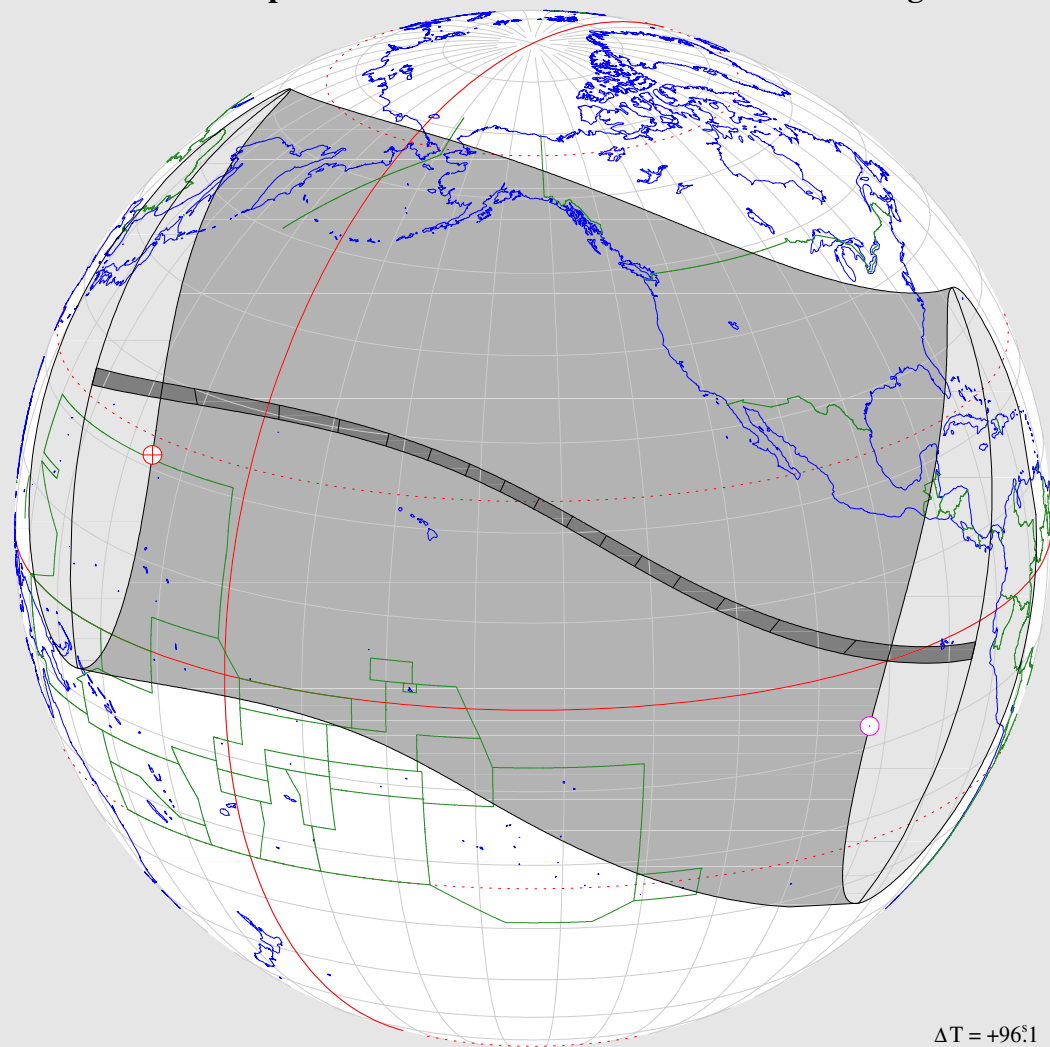


# IV. - Annular Eclipse of the Sun

1626 August 21-22



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$\Delta T = +96^s.1$   
Globe centred on W 143°5 and N 20°5

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	18	45.6	E 164	25.2	N 21	27.4
Beginning of southern limit of penumbra	19	50.7	E 154	21.6	S 6	31.8
Beginning of southern limit of umbra	19	51.4	E 147	10.7	N 24	36.2
Beginning of centre line; central eclipse begins	19	52.0	E 146	48.2	N 25	30.5
Beginning of northern limit of umbra	19	52.5	E 146	25.1	N 26	25.0
Beginning of northern limit of penumbra	20	34.8	E 118	34.3	N 61	46.7
Central eclipse at local apparent noon	21	40.1	W 144	24.0	N 23	55.2
End of northern limit of penumbra	22	57.7	W 65	31.5	N 34	09.0
End of northern limit of umbra	23	39.7	W 84	46.8	S 2	14.5
End of centre line; central eclipse ends	23	40.3	W 85	07.4	S 3	10.5
End of southern limit of umbra	23	40.8	W 85	27.7	S 4	06.2
End of southern limit of penumbra	23	41.3	W 93	17.8	S 35	08.9
⊙ Eclipse ends; last contact with Earth	0	46.7	W 102	35.8	S 7	14.9