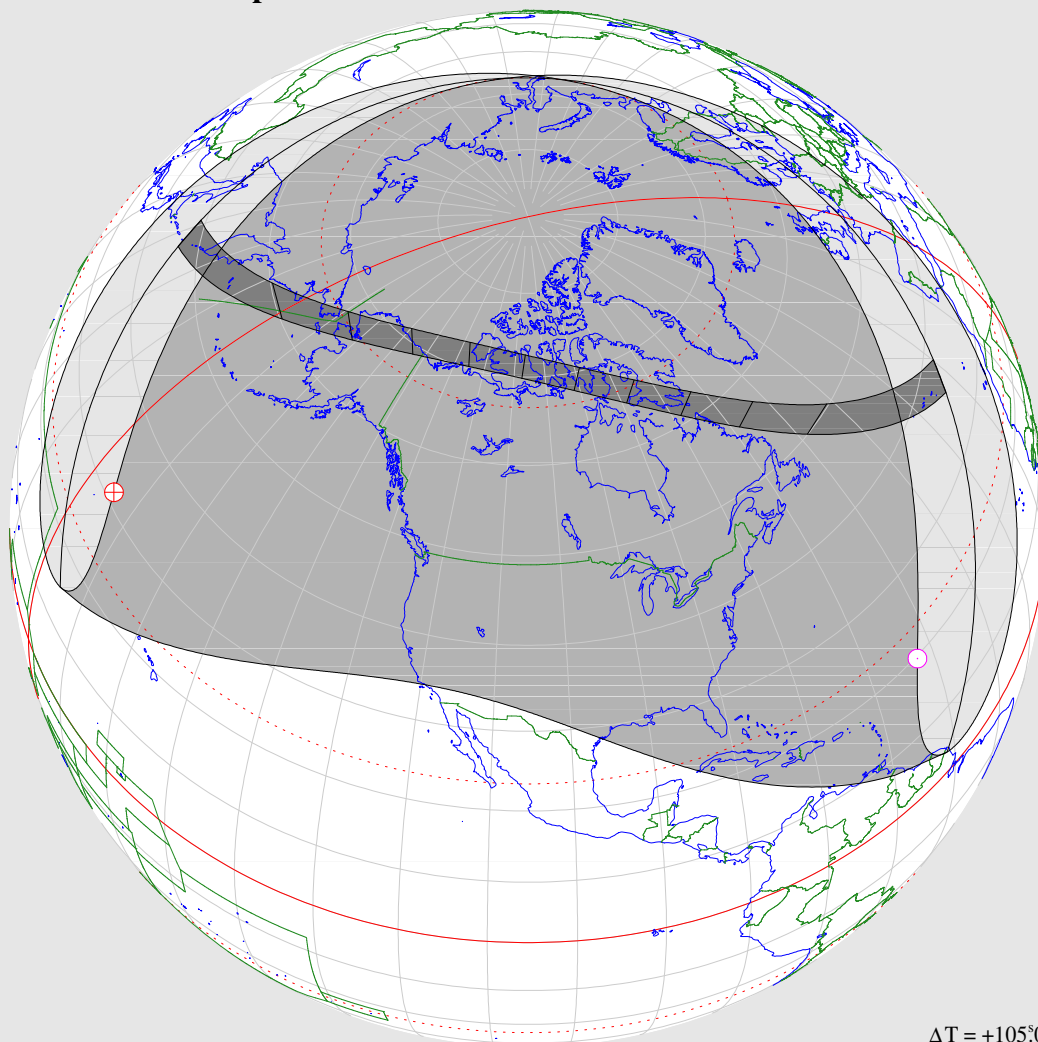


II. - Annular Eclipse of the Sun

2066 June 22



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$\Delta T = +105^{\circ}0$
Globe centred on W 105^o.5 and N 53^o.0

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	o	'	o	'
⊕ Eclipse begins; first contact with Earth	16	39.9	W174	41.3	N31	17.8
Beginning of southern limit of penumbra	17	14.2	W174	48.9	N15	20.3
Beginning of southern limit of umbra	18	00.9	E 153	10.6	N46	30.1
Beginning of centre line; central eclipse begins	18	03.6	E 151	08.3	N47	47.7
Beginning of northern limit of umbra	18	06.4	E 148	57.1	N49	06.6
Central eclipse at local apparent noon	19	14.2	W107	58.8	N71	15.0
End of northern limit of umbra	20	41.8	W 19	50.5	N38	20.2
End of centre line; central eclipse ends	20	44.5	W 21	34.9	N36	54.9
End of southern limit of umbra	20	47.2	W 23	13.4	N35	31.8
End of southern limit of penumbra	21	33.8	W 51	23.3	N 3	28.1
⊙ Eclipse ends; last contact with Earth	22	08.2	W 52	33.8	N19	40.3