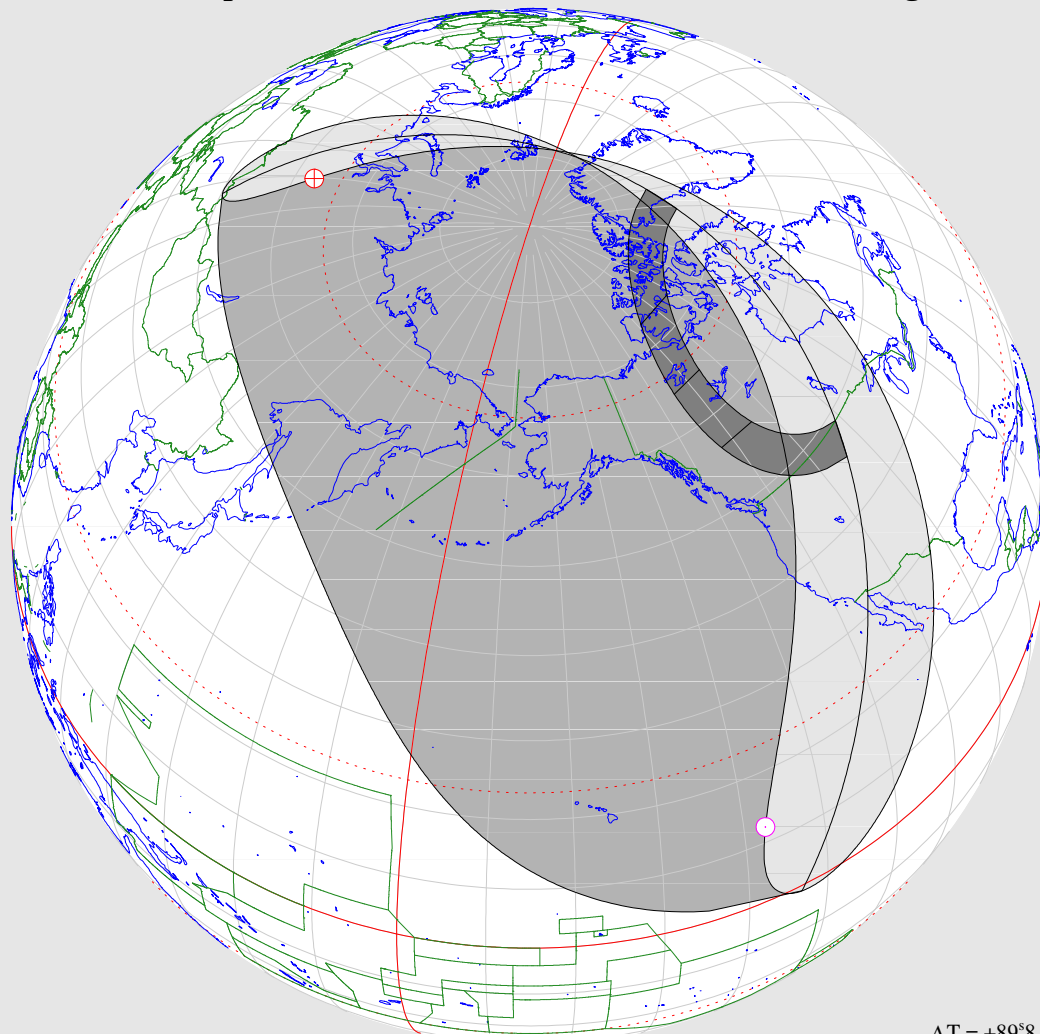


### III. - Total Eclipse of the Sun

2044 August 22-23



$\Delta T = +89^s.8$

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Globe centred on W 165°1 and N 54°4

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	23	09.4	E 80	27.2	N 62	48.2
Beginning of southern limit of penumbra	23	35.8	E 82	50.1	N 50	12.8
Beginning of southern limit of umbra	0	44.5	W 49	30.1	N 75	36.6
Beginning of centre line; central eclipse begins	0	47.7	W 55	27.8	N 74	27.8
Beginning of northern limit of umbra	0	51.2	W 61	18.9	N 73	03.0
End of northern limit of umbra	1	40.4	W 101	12.5	N 48	59.5
End of centre line; central eclipse ends	1	43.9	W 102	56.9	N 47	06.7
End of southern limit of umbra	1	47.0	W 104	26.3	N 45	26.2
End of southern limit of penumbra	2	55.5	W 133	26.8	S 1	03.1
⊙ Eclipse ends; last contact with Earth	3	22.1	W 137	23.9	N 12	17.7