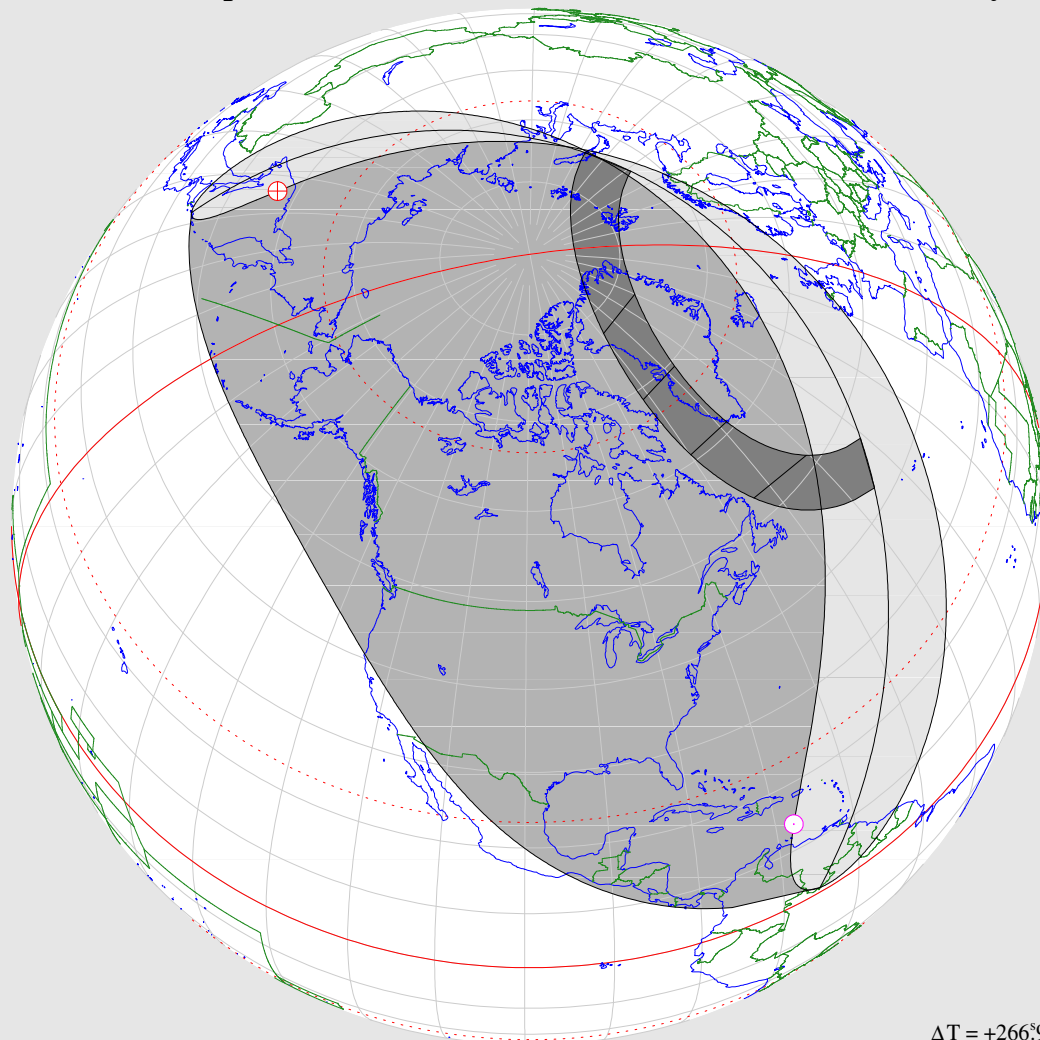


### III. - Total Eclipse of the Sun

1505 July 30



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ΔT = +266.9  
Globe centred on W 99°4 and N 58°3

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	18	43.0	E 144	06.8	N 57	02.5
Beginning of southern limit of penumbra	19	07.8	E 147	38.4	N 44	50.3
Beginning of southern limit of umbra	20	07.9	E 57	56.0	N 73	59.0
Beginning of centre line; central eclipse begins	20	11.9	E 48	34.0	N 73	46.3
Beginning of northern limit of umbra	20	16.4	E 38	27.9	N 73	09.3
End of northern limit of umbra	21	18.9	W 30	46.9	N 46	47.4
End of centre line; central eclipse ends	21	23.4	W 33	23.3	N 44	22.6
End of southern limit of umbra	21	27.4	W 35	35.7	N 42	12.9
End of southern limit of penumbra	22	27.3	W 65	23.5	N 0	58.1
⊙ Eclipse ends; last contact with Earth	22	52.1	W 67	43.9	N 14	07.9