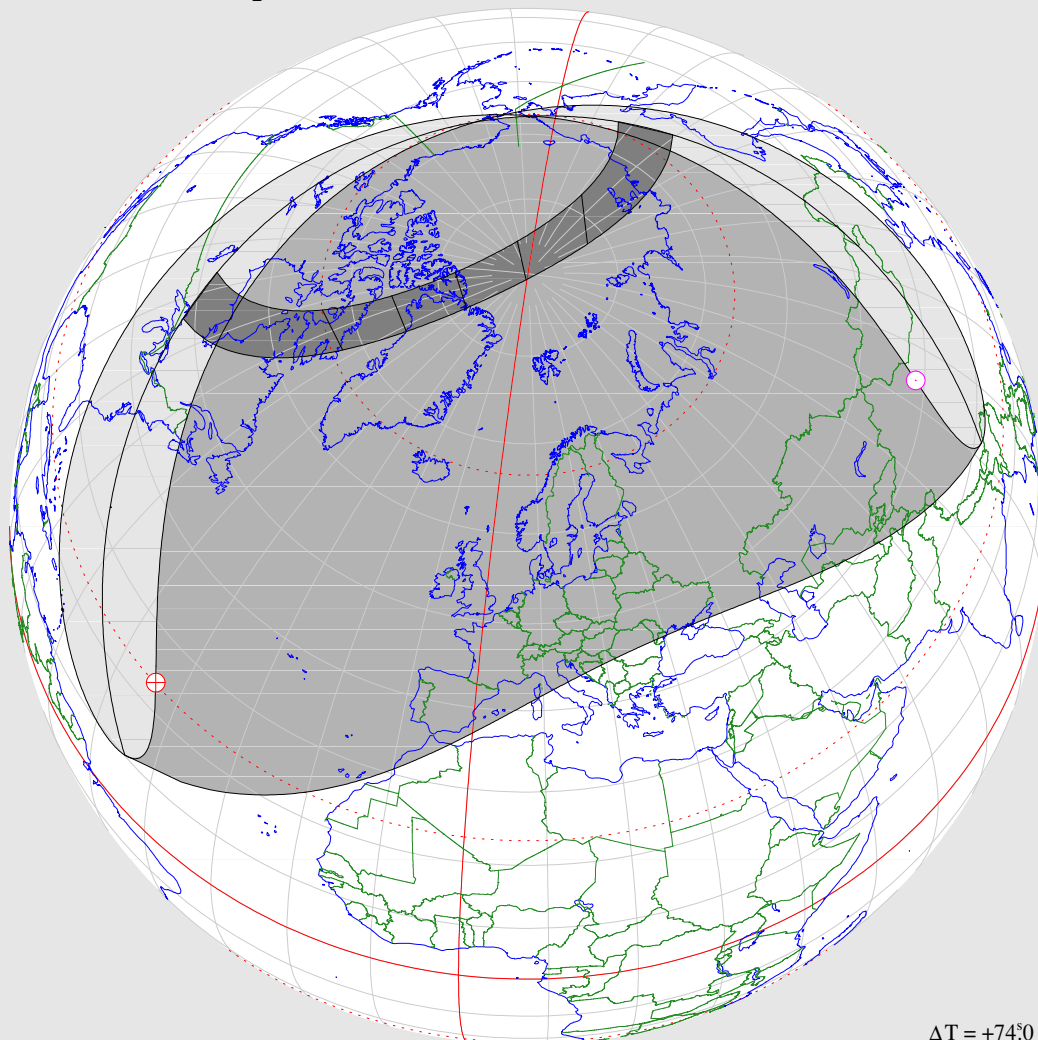


II. - Annular Eclipse of the Sun

2021 June 10



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$\Delta T = +74^{\circ}0$
Globe centred on E 7°7' and N 60°8'

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	8	12.3	W 43	55.0	N 23	38.4
Beginning of southern limit of penumbra	8	40.1	W 44	31.3	N 10	08.1
Beginning of southern limit of umbra	9	50.1	W 86	02.0	N 48	11.0
Beginning of centre line; central eclipse begins	9	54.9	W 89	29.4	N 50	09.6
Beginning of northern limit of umbra	10	00.2	W 93	34.3	N 52	18.1
Central eclipse at local apperent midnight	11	01.0	W 165	22.4	N 88	09.0
End of northern limit of umbra	11	23.3	E 163	31.2	N 64	45.6
End of centre line; central eclipse ends	11	28.6	E 156	32.9	N 63	34.0
End of southern limit of penumbra	11	33.4	E 150	42.7	N 62	19.2
End of southern limit of penumbra	12	43.5	E 92	22.3	N 28	30.4
○ Eclipse ends; last contact with Earth	13	11.3	E 94	07.7	N 41	27.2