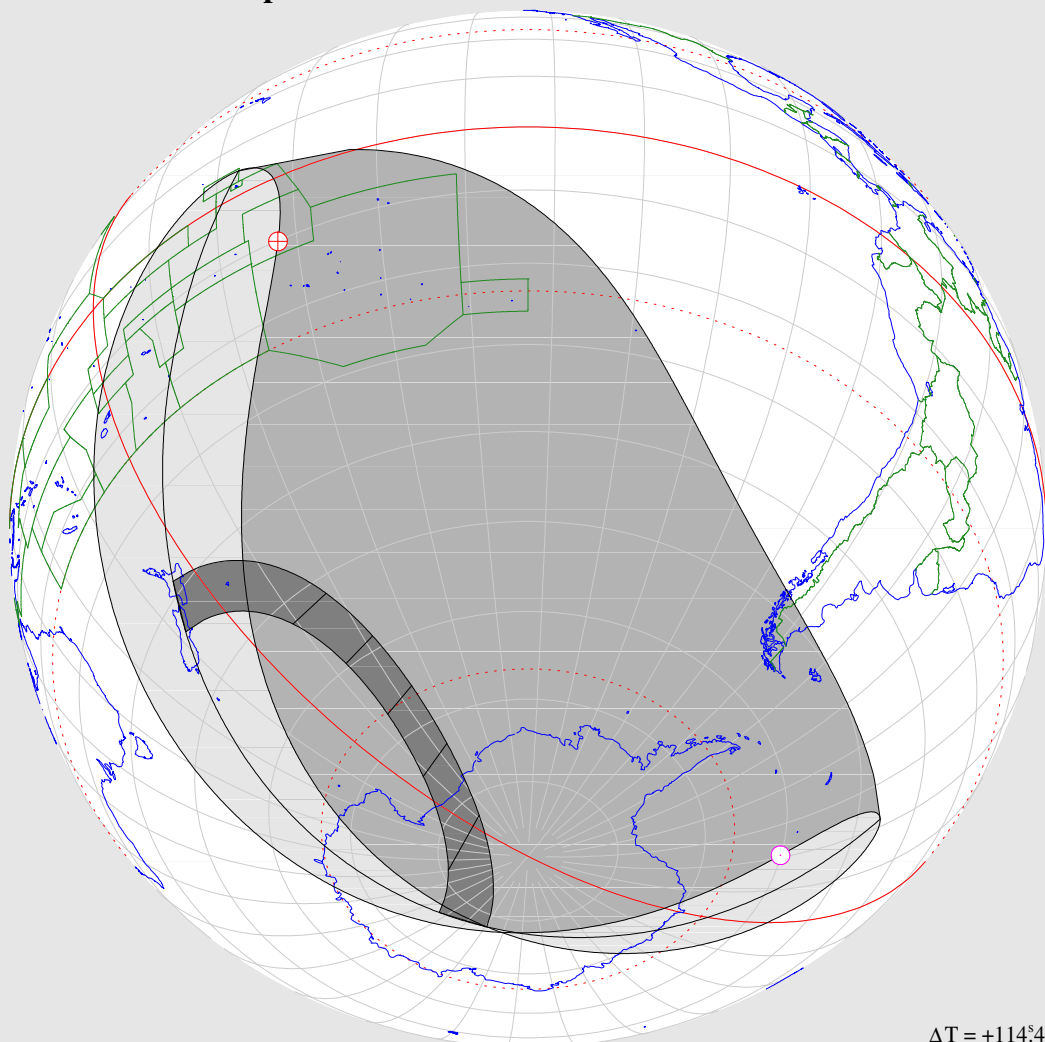


IV. - Annular Eclipse of the Sun

2079 October 24



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$\Delta T = +114^s.4$
Globe centred on W 123°0 and S 50°8

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	15	44.8	W152	20.0	S 10	06.7
Beginning of northern limit of penumbra	16	16.4	W157	05.7	N 4	33.4
Beginning of northern limit of umbra	17	21.6	E 175	52.8	S 38	34.7
Beginning of centre line; central eclipse begins	17	26.0	E 173	56.4	S 40	51.6
Beginning of southern limit of umbra	17	31.0	E 171	41.4	S 43	23.9
End of southern limit of umbra	18	47.2	E 103	21.1	S 76	19.6
End of centre line; central eclipse ends	18	52.3	E 91	19.4	S 77	22.7
End of northern limit of umbra	18	56.8	E 79	18.8	S 77	54.1
End of northern limit of penumbra	20	02.3	W 21	45.5	S 46	09.1
⊙ Eclipse ends; last contact with Earth	20	33.8	W 20	42.2	S 60	05.7