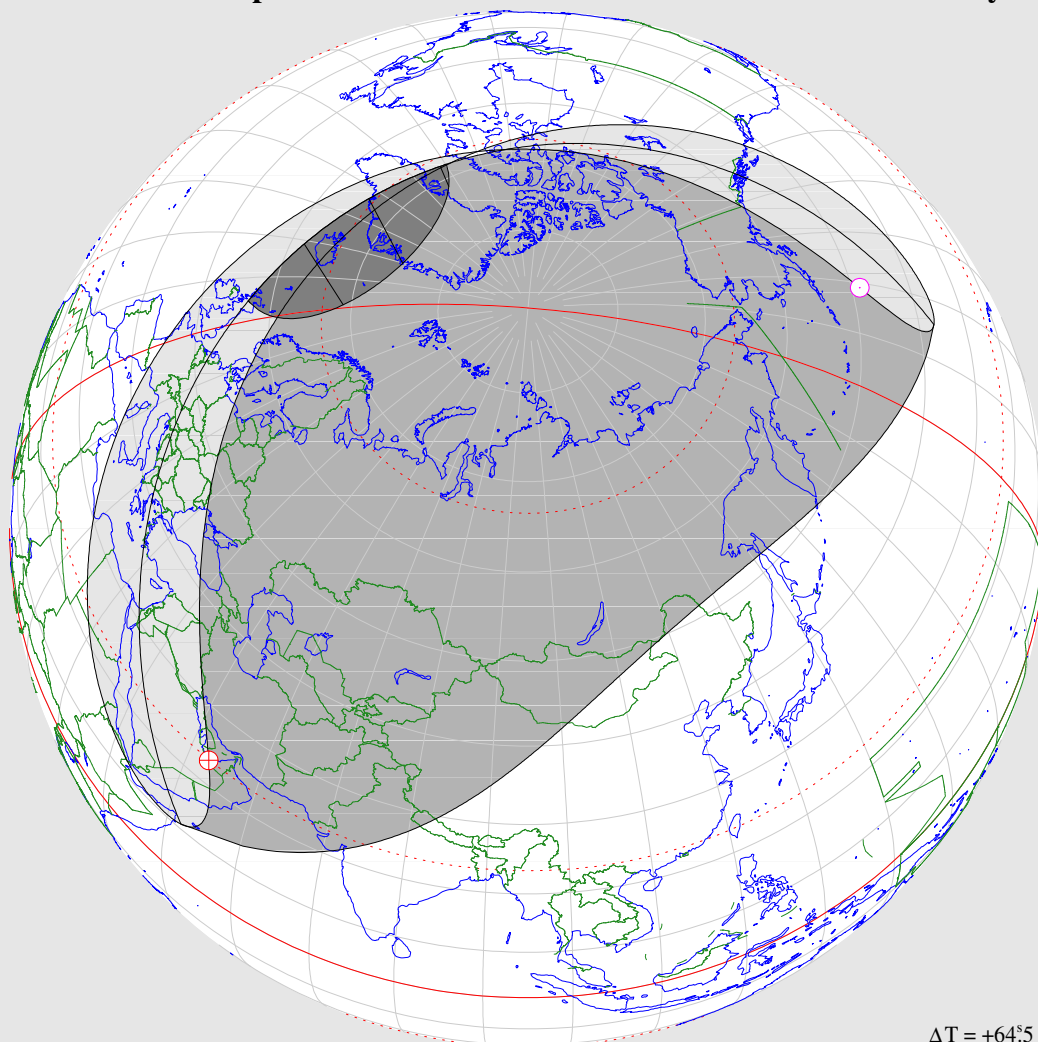


II. - Annular Eclipse of the Sun

2003 May 31



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$\Delta T = +64^s.5$
Globe centred on E 95°0 and N 64°8

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	1	46.3	E 52	51.6	N23	21.9
Beginning of southern limit of penumbra	2	11.9	E 52	00.8	N10	51.2
Beginning of southern limit of umbra	3	45.0	W 4	39.4	N56	48.8
Beginning of centre line; central eclipse begins	4	01.9	W 21	01.2	N62	21.3
End of centre line; central eclipse ends	4	14.4	W 35	57.0	N65	31.6
End of southern limit of umbra	4	31.2	W 60	12.3	N67	56.8
End of southern limit of penumbra	6	04.5	W164	04.5	N37	05.3
⊙ Eclipse ends; last contact with Earth	6	30.1	W160	56.7	N48	42.4