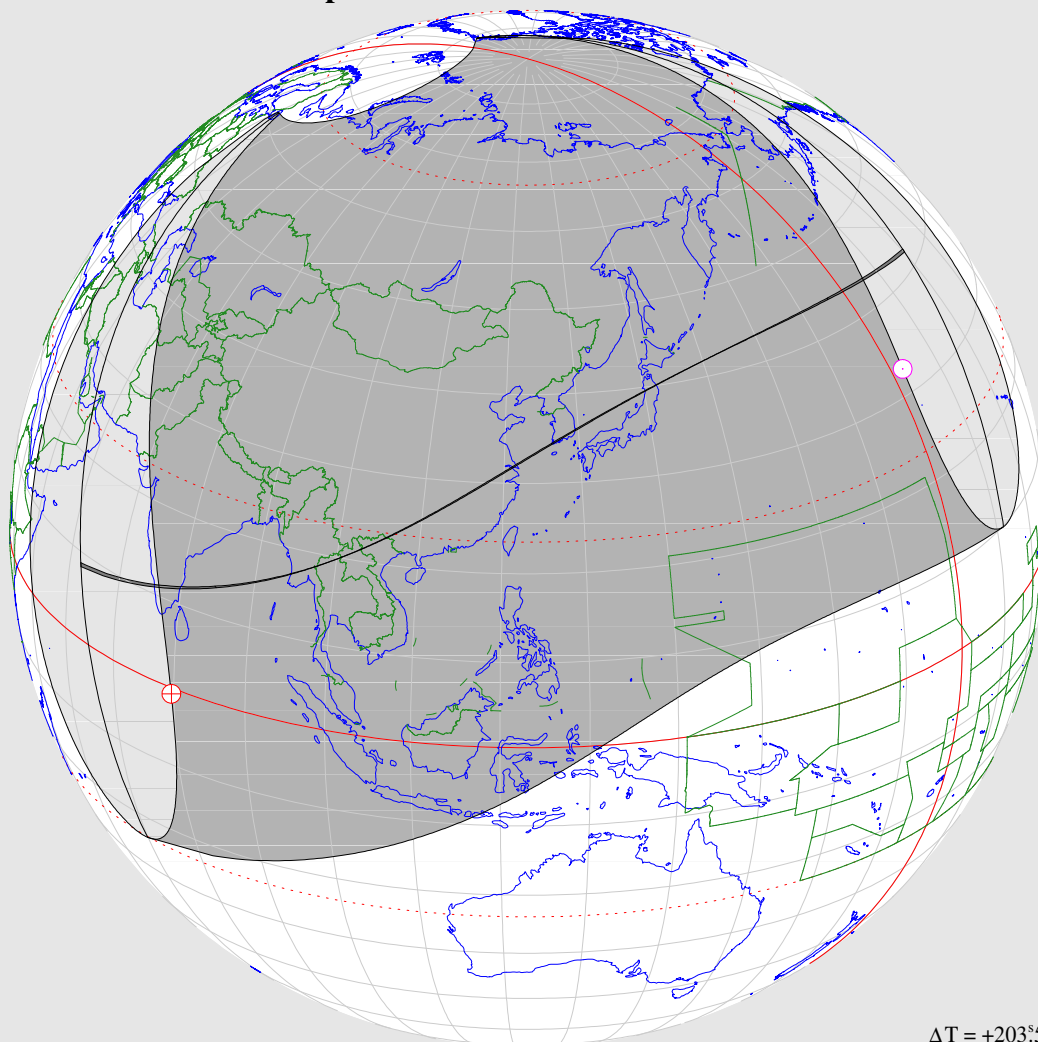


I. - Annular-Total Eclipse of the Sun

1549 March 29



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$\Delta T = +203^s.5$
Globe centred on E 123°1 and N 25°0

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° /	° /
⊕ Eclipse begins; first contact with Earth	0	43.9	E 79 37.4	S 0 45.3
Beginning of southern limit of penumbra	1	34.9	E 69 52.1	S 23 39.9
Beginning of southern limit of umbra	1	48.1	E 62 27.3	N 8 21.2
Beginning of centre line; central eclipse begins	1	48.3	E 62 22.8	N 8 33.9
Beginning of northern limit of umbra	1	48.5	E 62 18.3	N 8 46.6
Beginning of northern limit of penumbra	3	06.6	E 30 54.0	N 61 15.3
Central eclipse at local apparent noon	3	41.7	E 125 05.0	N 33 48.7
End of northern limit of penumbra	3	48.0	W 17 44.0	N 81 01.4
End of northern limit of umbra	5	06.3	W 159 39.8	N 42 09.9
End of centre line; central eclipse ends	5	06.5	W 159 44.9	N 41 58.8
End of southern limit of umbra	5	06.7	W 159 50.0	N 41 47.7
End of southern limit of penumbra	5	20.1	W 168 18.3	N 9 52.7
⊙ Eclipse ends; last contact with Earth	6	10.8	W 177 39.0	N 32 43.5