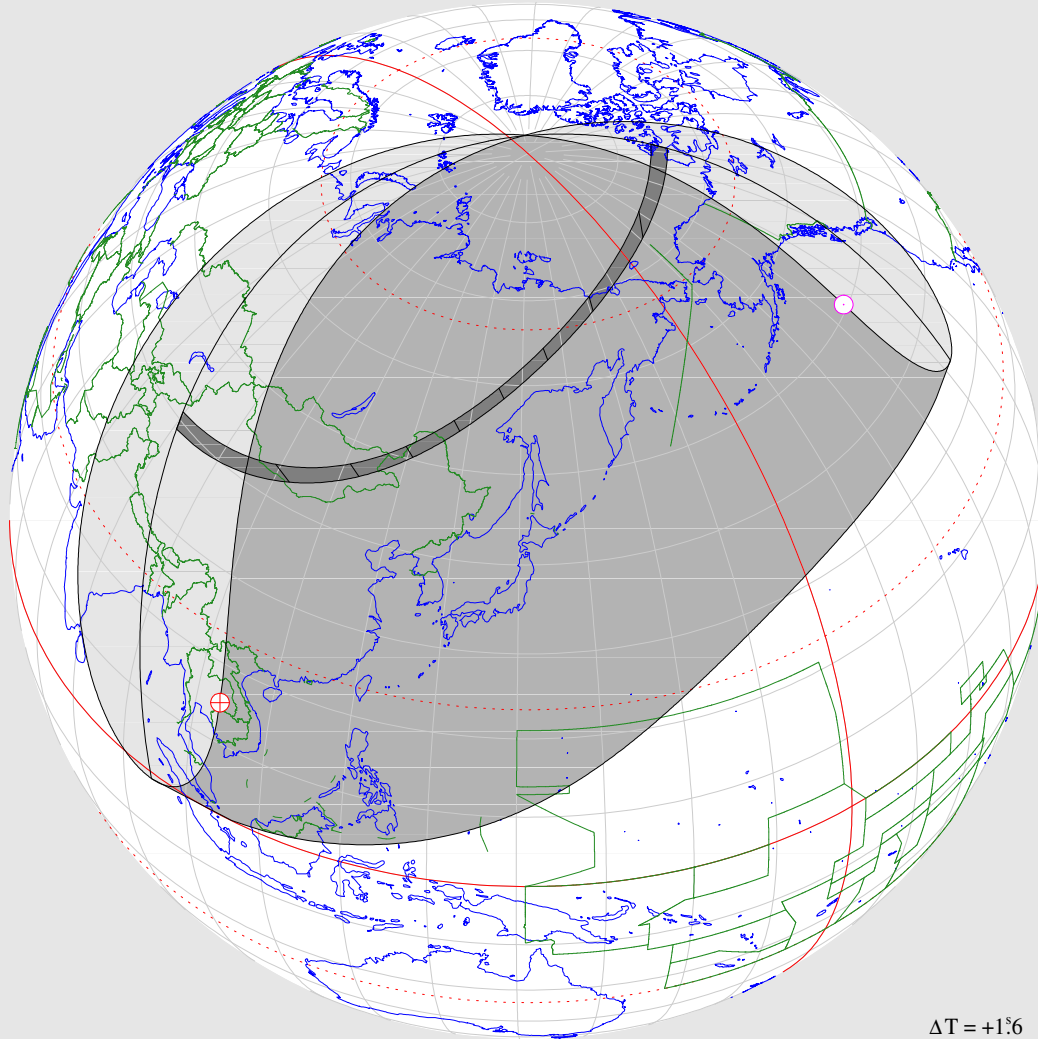


I. - Annular Eclipse of the Sun

1903 March 28-29



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$\Delta T = +1^s.6$
Globe centred on E 141°3 and N 44°9

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	23 09.1	E 103 17.7	N 15 12.0
Beginning of southern limit of penumbra	23 46.6	E 94 43.4	S 1 00.4
Beginning of southern limit of umbra	0 33.6	E 80 37.4	N 38 58.0
Beginning of centre line; central eclipse begins	0 35.2	E 80 09.4	N 39 54.4
Beginning of northern limit of umbra	0 36.8	E 79 40.3	N 40 52.3
Central eclipse at local apparent noon	2 05.2	E 150 01.6	N 65 15.6
End of northern limit of umbra	2 33.6	W 115 33.6	N 75 53.6
End of centre line; central eclipse ends	2 35.1	W 116 41.6	N 74 58.5
End of southern limit of umbra	2 36.7	W 117 42.9	N 74 04.7
End of southern limit of penumbra	3 23.9	W 137 40.5	N 34 23.3
○ Eclipse ends; last contact with Earth	4 01.3	W 145 29.0	N 50 29.6