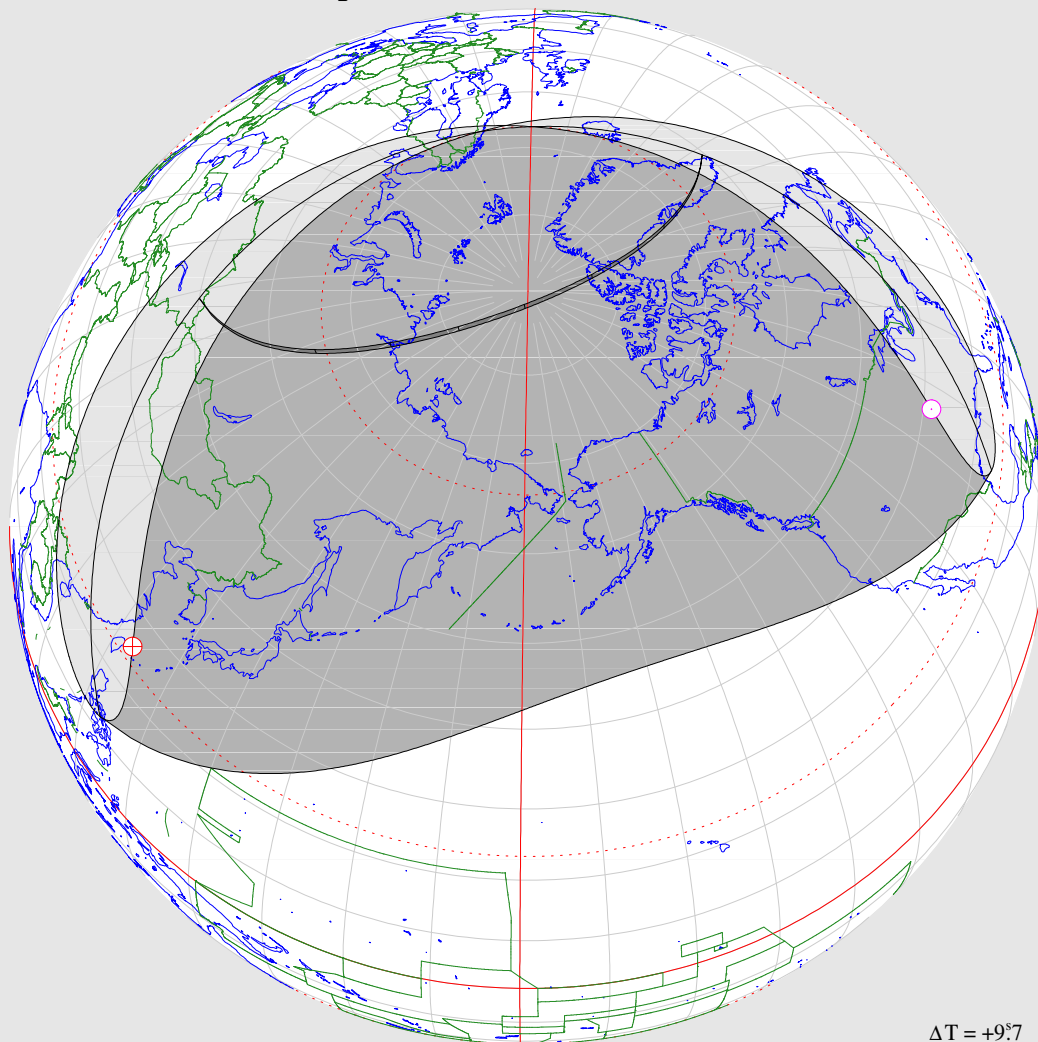


II. - Annular-Total Eclipse of the Sun

1909 June 17-18



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$\Delta T = +9^s.7$
Globe centred on E 180°9' and N 63°0'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	21 00.2	E 123 06.1	N 25 40.3
Beginning of southern limit of penumbra	21 26.0	E 123 09.7	N 12 28.9
Beginning of centre line; central eclipse begins	22 30.1	E 81 34.1	N 50 01.4
Beginning of southern limit of umbra	22 30.1	E 81 33.2	N 50 01.9
Beginning of northern limit of umbra	22 30.1	E 81 35.0	N 50 00.9
Central eclipse at local apparent noon	23 31.1	W 172 37.2	N 88 21.7
End of centre line; central eclipse ends	0 06.7	W 41 57.7	N 60 23.0
End of southern limit of umbra	0 06.7	W 41 59.5	N 60 22.5
End of northern limit of umbra	0 06.6	W 41 55.9	N 60 23.5
End of southern limit of penumbra	1 10.9	W 95 29.1	N 25 49.7
⊙ Eclipse ends; last contact with Earth	1 36.7	W 93 47.2	N 38 38.3