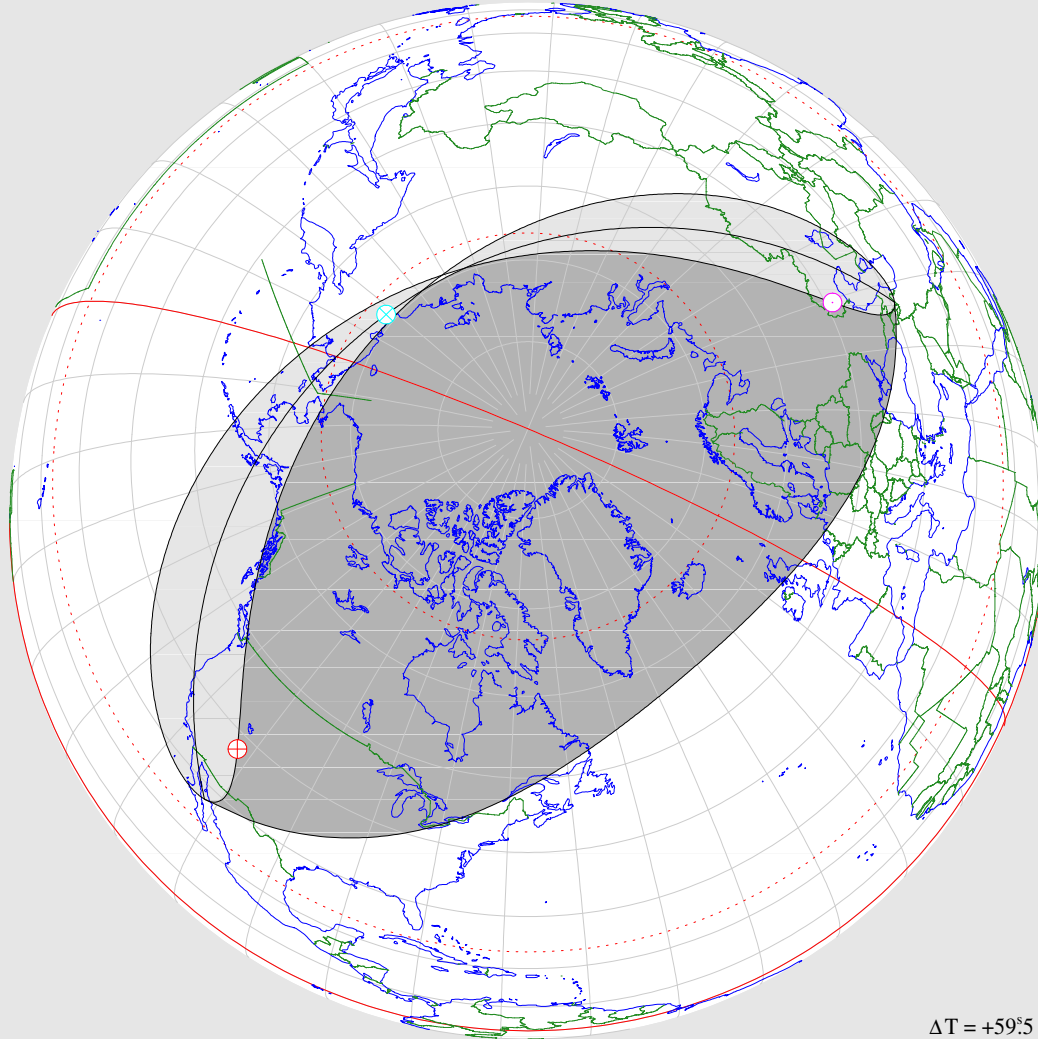


I. - Partial Eclipse of the Sun

1993 May 21



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$\Delta T = +59^s.5$
Globe centred on W 67°0 and N 79°8

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	12 18.8	W112 07.9	N37 44.4
Beginning of southern limit of penumbra	12 39.2	W111 46.1	N27 35.6
⊗ Greatest eclipse (magnitude = 0.7356)	14 19.2	E 162 12.4	N68 48.1
End of southern limit of penumbra	15 59.1	E 46 57.5	N39 18.3
◯ Eclipse ends; last contact with Earth	16 19.5	E 49 24.9	N49 00.6