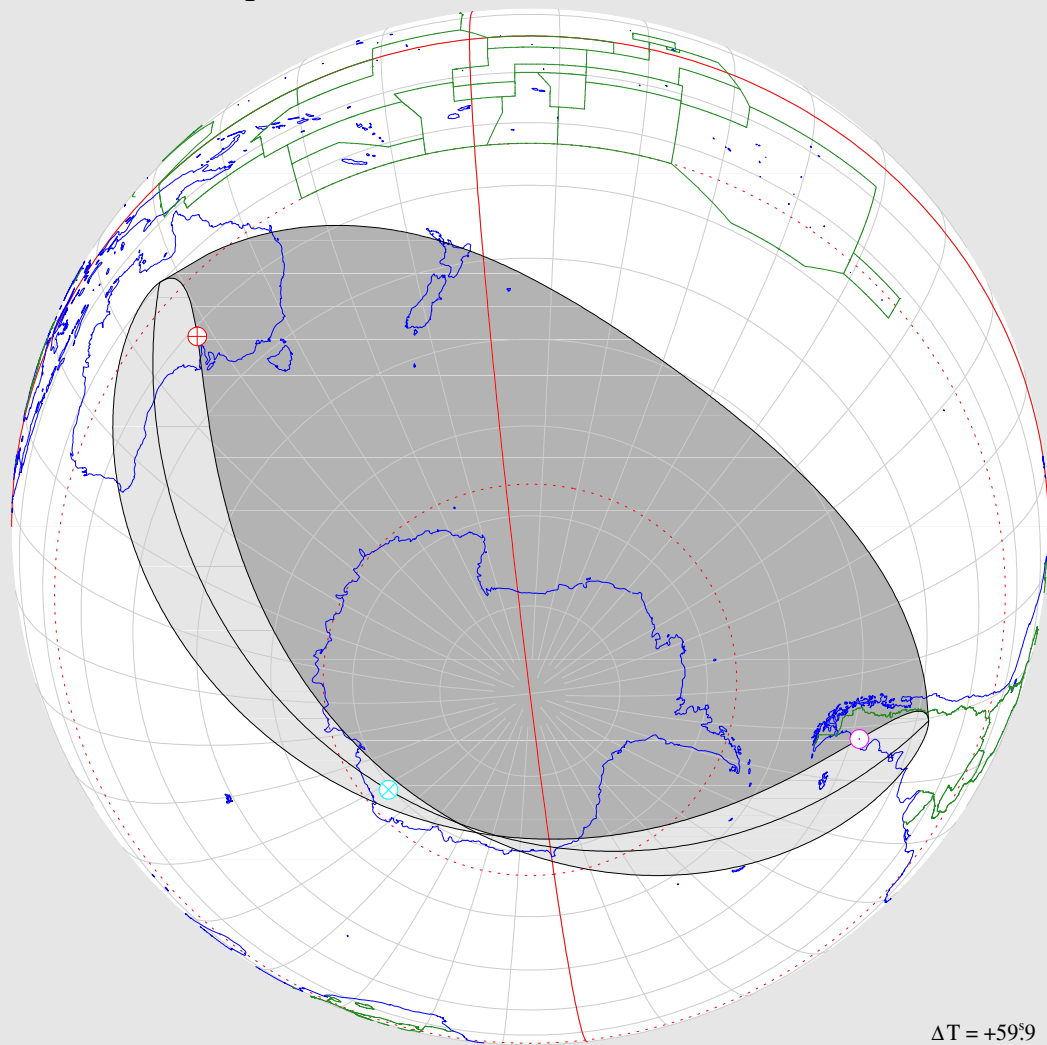


III. - Partial Eclipse of the Sun

1993 November 13



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$\Delta T = +59^s.9$
Globe centred on W 173°3' and S 71°2'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	19 46.4	E 138 01.9	S 31 16.5
Beginning of northern limit of penumbra	20 08.2	E 137 18.4	S 19 44.6
⊗ Greatest eclipse (magnitude = 0.9282)	21 44.8	E 58 10.5	S 69 35.3
End of northern limit of penumbra	23 21.4	W 69 35.2	S 37 40.3
⊙ Eclipse ends; last contact with Earth	23 43.2	W 67 44.8	S 48 43.9