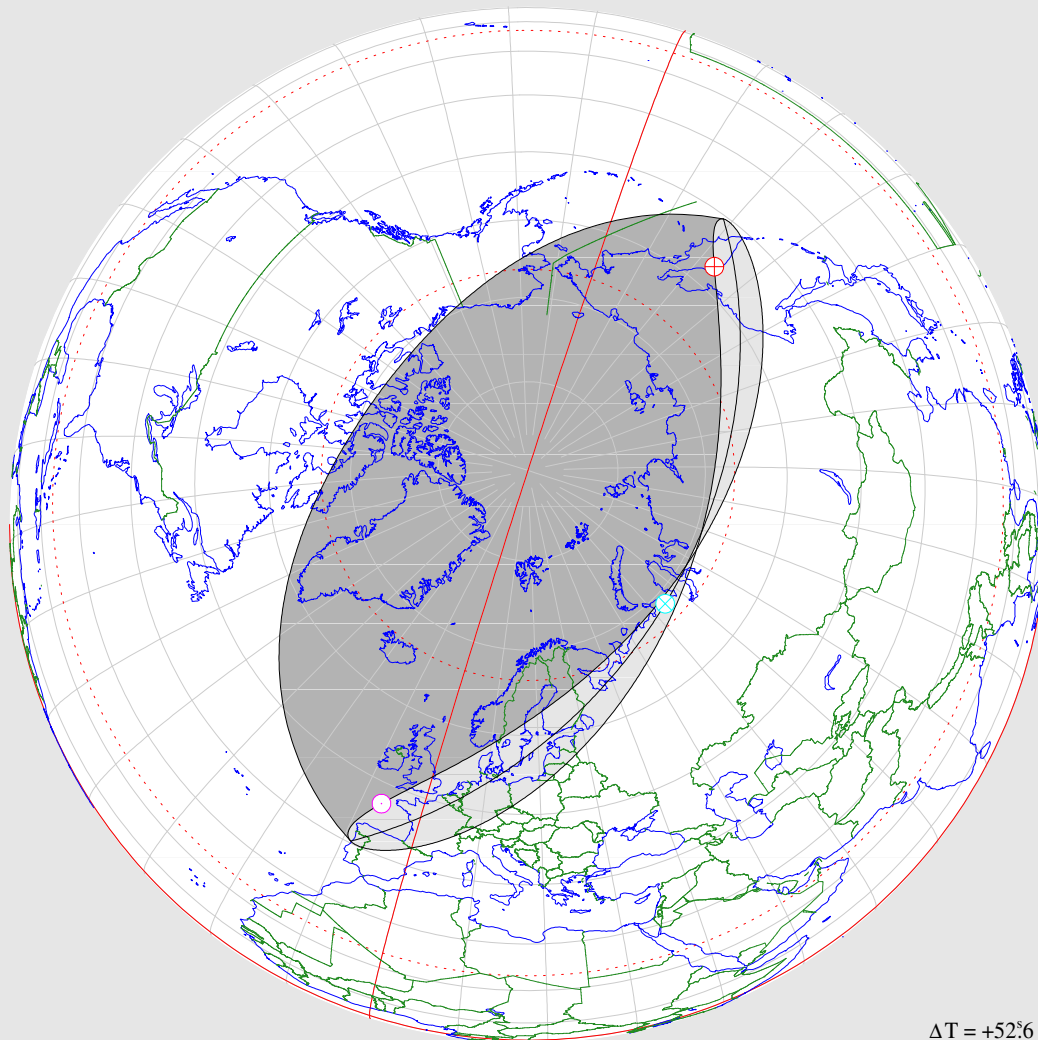


# V. - Partial Eclipse of the Sun

1982 July 20



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$\Delta T = +52^s.6$   
Globe centred on E 17°8' and N 84°0'

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	17 18.7	E 156 43.9	N 56 49.9
Beginning of southern limit of penumbra	17 31.8	E 161 25.6	N 50 31.8
⊗ Greatest eclipse (magnitude = 0.4647)	18 43.8	E 64 18.3	N 68 35.7
End of southern limit of penumbra	19 56.0	W 8 50.5	N 40 17.5
○ Eclipse ends; last contact with Earth	20 09.1	W 6 46.2	N 47 10.5