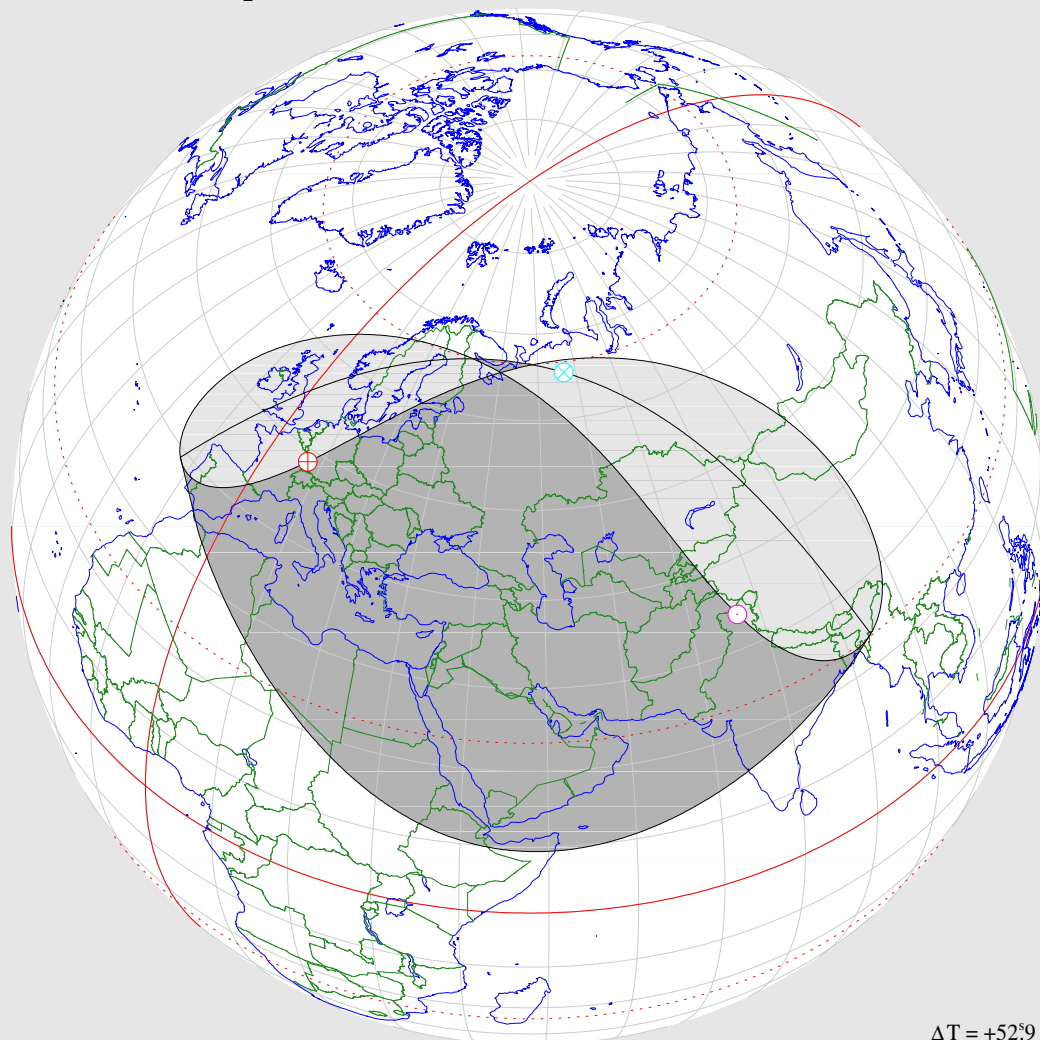


# VI. - Partial Eclipse of the Sun

1982 December 15



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$\Delta T = +52^s.9$   
Globe centred on E 47°9' and N 48°2'

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	7 21.9	E 7 27.7	N48 37.4
Beginning of southern limit of penumbra	8 06.4	W 12 25.5	N39 05.2
⊗ Greatest eclipse (magnitude = 0.7354)	9 31.3	E 56 51.7	N65 17.1
End of southern limit of penumbra	10 56.2	E 93 47.9	N23 44.2
⊙ Eclipse ends; last contact with Earth	11 40.8	E 76 44.0	N33 57.8