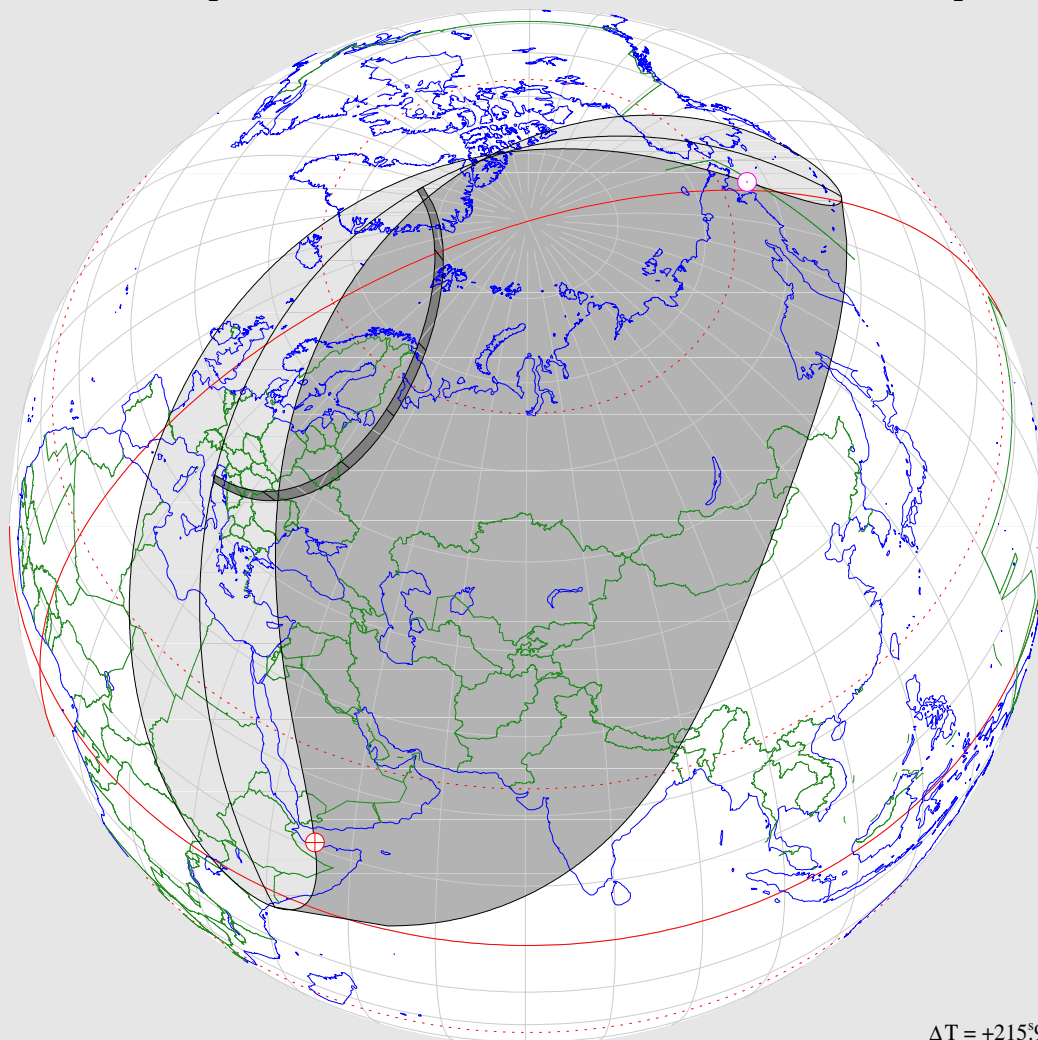


II. - Total Eclipse of the Sun

1540 April 07



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$\Delta T = +215^s.9$
Globe centred on E 70°3' and N 53°9'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	2 49.2	E 45 33.5	N 10 53.9
Beginning of southern limit of penumbra	3 17.6	E 41 00.0	S 2 57.4
Beginning of southern limit of umbra	4 25.9	E 13 21.3	N 43 35.0
Beginning of centre line; central eclipse begins	4 26.5	E 13 05.8	N 43 53.9
Beginning of northern limit of umbra	4 27.1	E 12 49.9	N 44 13.1
End of northern limit of umbra	5 34.1	W 43 24.9	N 76 29.8
End of centre line; central eclipse ends	5 34.7	W 44 45.9	N 76 43.1
End of southern limit of umbra	5 35.3	W 46 07.8	N 76 55.9
End of southern limit of penumbra	6 43.8	W 178 38.5	N 49 36.1
⊙ Eclipse ends; last contact with Earth	7 12.1	W 177 15.2	N 62 47.3