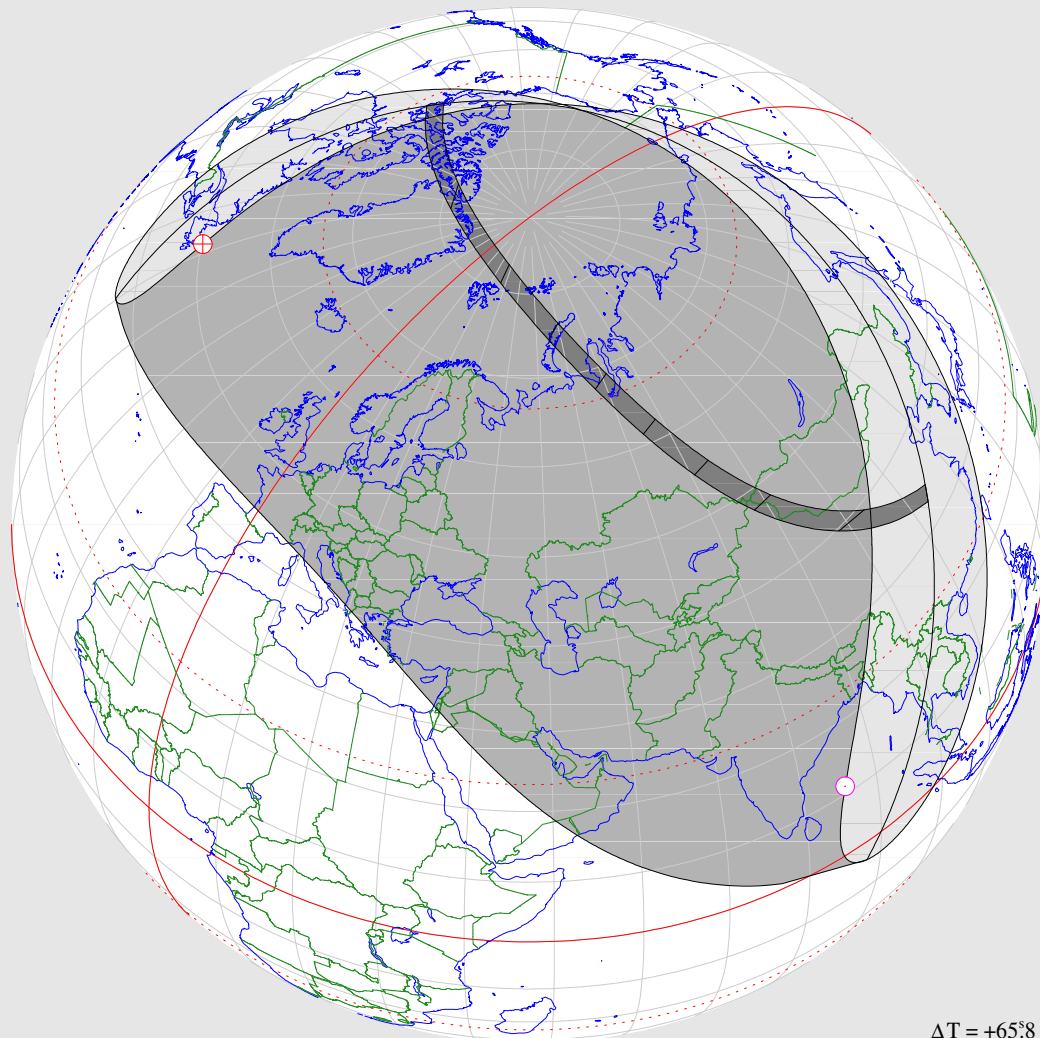


III. - Total Eclipse of the Sun

2008 August 01



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$\Delta T = +65^s.8$
Globe centred on E 47°3' and N 53°6'

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	8 04.1	W 52 14.2	N 50 12.4
Beginning of southern limit of penumbra	8 32.5	W 50 14.5	N 36 15.7
Beginning of southern limit of umbra	9 21.3	W 100 57.0	N 67 48.1
Beginning of centre line; central eclipse begins	9 22.6	W 103 07.1	N 68 16.7
Beginning of northern limit of umbra	9 24.0	W 105 24.8	N 68 44.6
Central eclipse at local apparent noon	9 47.3	E 34 44.5	N 81 06.8
End of northern limit of umbra	11 18.6	E 114 35.8	N 34 15.6
End of centre line; central eclipse ends	11 20.0	E 113 53.3	N 33 29.1
End of southern limit of umbra	11 21.3	E 113 12.2	N 32 43.5
End of southern limit of penumbra	12 09.9	E 87 57.0	S 3 34.7
⊙ Eclipse ends; last contact with Earth	12 38.4	E 85 36.4	N 11 09.9