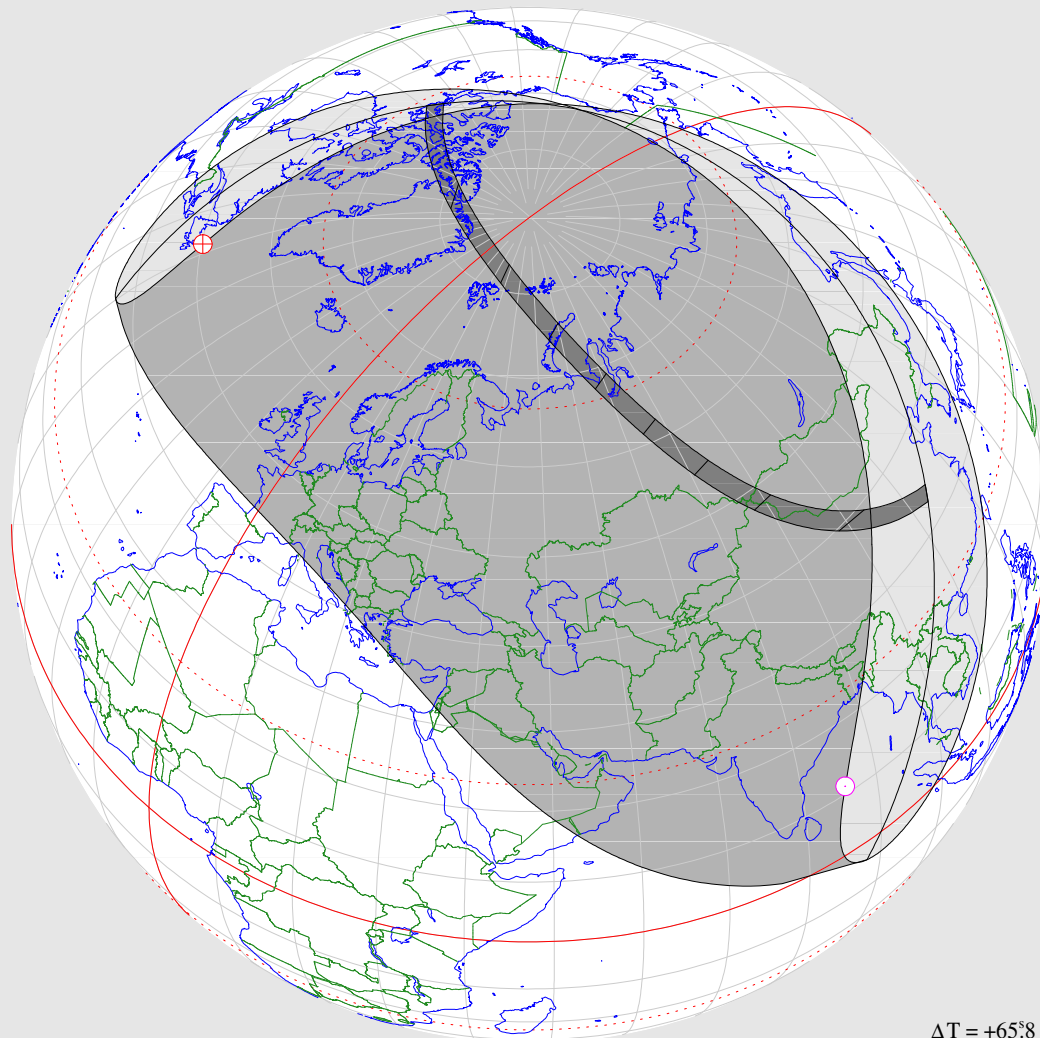


### III. - Total Eclipse of the Sun

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	°	'	°	'
⊕ 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