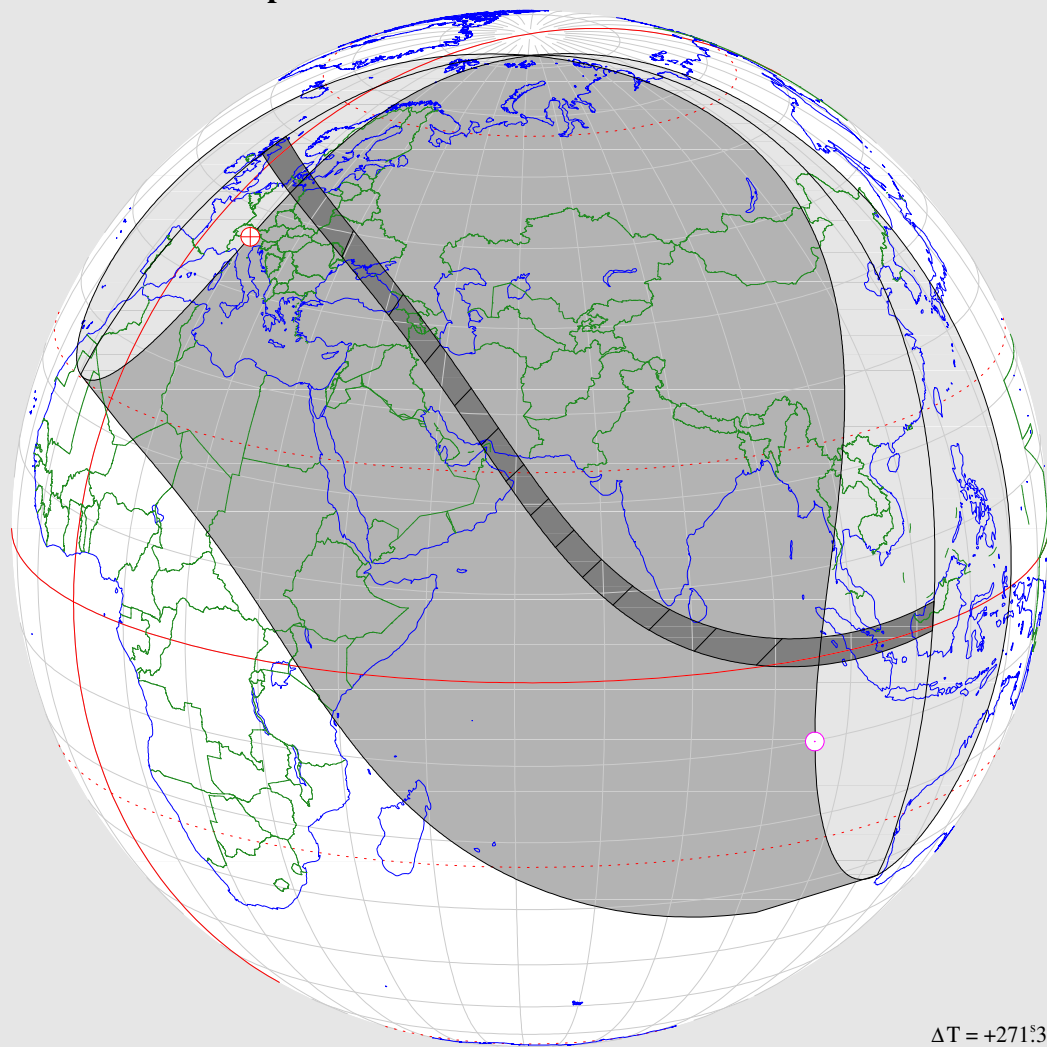


### III. - Annular Eclipse of the Sun

1502 October 01



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$\Delta T = +271.3$   
Globe centred on E 61°7' and N 17°3'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	5 34.2	E 10 15.2	N 46 22.0
Beginning of southern limit of penumbra	6 37.0	W 9 31.8	N 23 45.4
Beginning of southern limit of umbra	6 46.9	W 5 01.8	N 55 47.8
Beginning of centre line; central eclipse begins	6 48.4	W 4 46.3	N 57 24.0
Beginning of northern limit of umbra	6 50.0	W 4 28.3	N 59 01.6
Central eclipse at local apparent noon	8 00.2	E 56 44.2	N 27 25.3
End of northern limit of umbra	10 13.8	E 112 59.8	N 2 44.4
End of centre line; central eclipse ends	10 15.4	E 112 48.0	N 1 04.7
End of southern limit of umbra	10 16.9	E 112 37.5	S 0 33.4
End of southern limit of penumbra	10 26.3	E 114 33.9	S 32 49.0
⊙ Eclipse ends; last contact with Earth	11 29.4	E 95 37.8	S 10 07.1