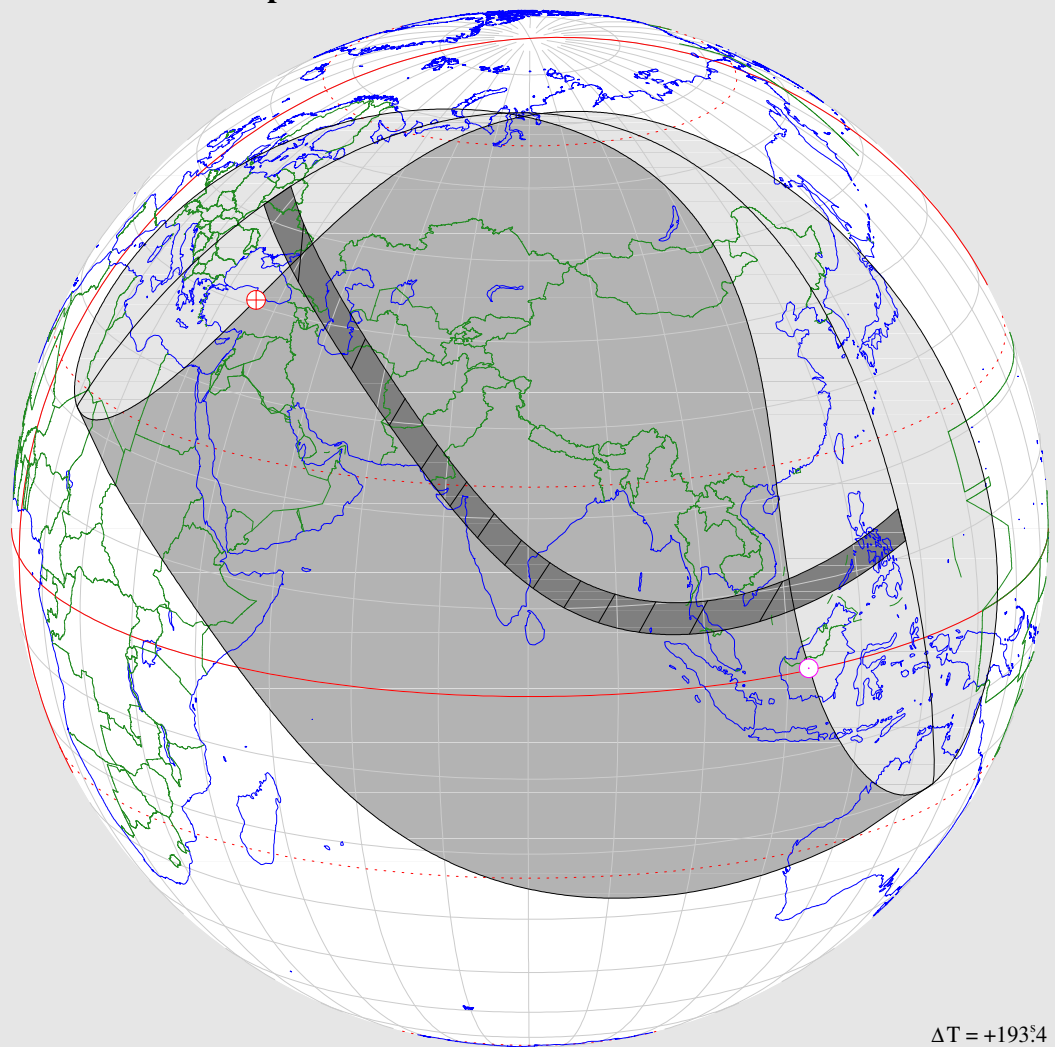


III. - Annular Eclipse of the Sun

1556 November 02



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$\Delta T = +193^s.4$
Globe centred on E 80°2 and N 18°9

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	4 24.6	E 35 59.5	N 40 43.6
Beginning of southern limit of penumbra	5 30.4	E 10 40.9	N 21 08.8
Beginning of southern limit of umbra	5 40.3	E 24 45.6	N 51 26.5
Beginning of centre line; central eclipse begins	5 42.1	E 25 51.9	N 53 05.7
Beginning of northern limit of umbra	5 44.1	E 27 05.5	N 54 46.0
Central eclipse at local apparent noon	6 51.9	E 73 12.6	N 20 54.1
End of northern limit of umbra	8 54.1	E 127 36.5	N 15 18.6
End of centre line; central eclipse ends	8 56.1	E 127 45.5	N 13 26.8
End of southern limit of umbra	8 57.9	E 127 55.6	N 11 37.6
End of southern limit of penumbra	9 07.5	E 135 54.8	S 19 44.8
⊙ Eclipse ends; last contact with Earth	10 13.5	E 112 44.3	N 0 13.6