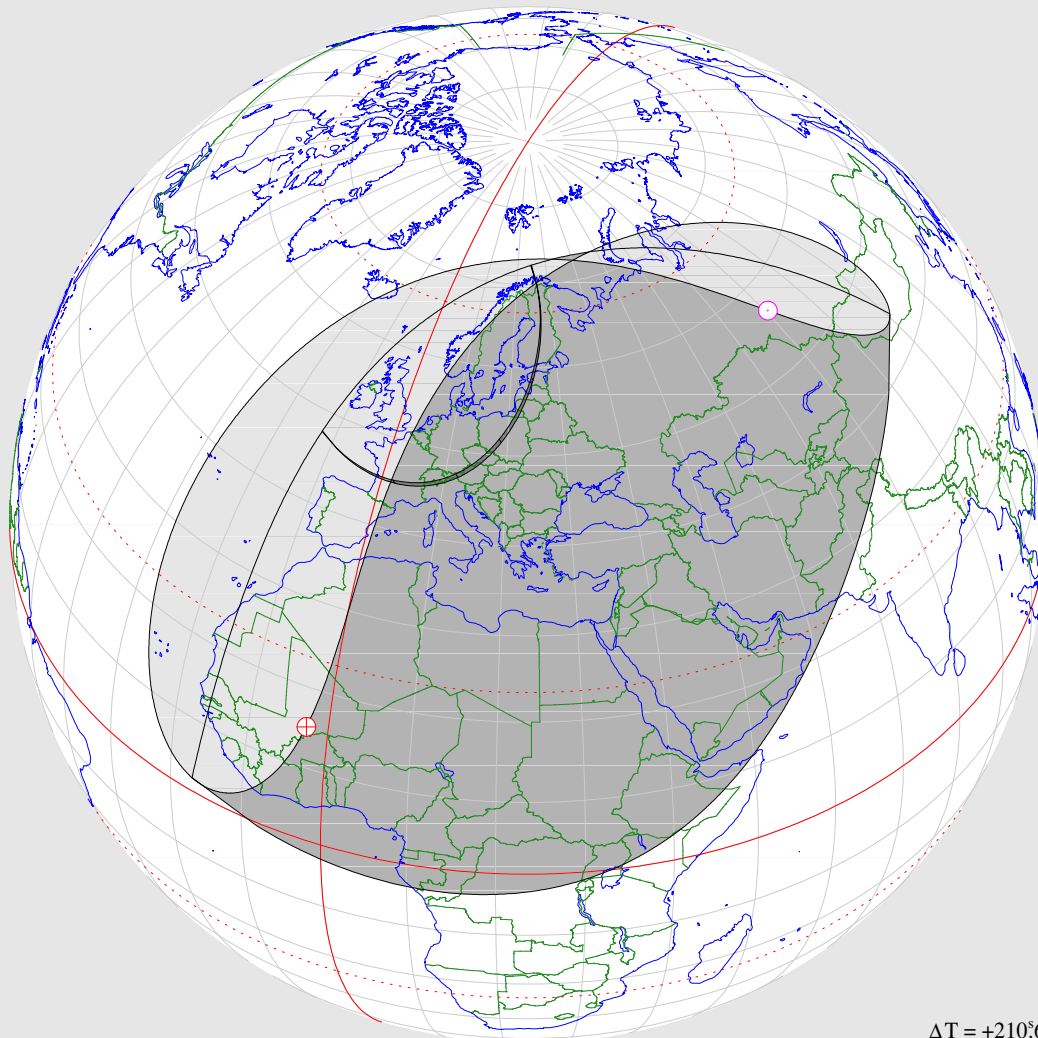


## II. - Annular-Total Eclipse of the Sun

1544 January 24



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$\Delta T = +210^{\circ}6$   
Globe centred on E  $23^{\circ}6$  and N  $42^{\circ}4$

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	6 44.3	W 2 41.1	N 15 10.9
Beginning of southern limit of penumbra	7 24.3	W 16 49.5	N 1 55.7
Beginning of southern limit of umbra	8 22.5	W 12 33.5	N 47 42.3
Beginning of centre line; central eclipse begins	8 22.6	W 12 33.2	N 47 44.0
Beginning of northern limit of umbra	8 22.7	W 12 32.8	N 47 45.6
End of northern limit of umbra	9 25.3	E 24 35.8	N 72 24.3
End of centre line; central eclipse ends	9 25.4	E 24 44.3	N 72 25.2
End of southern limit of umbra	9 25.5	E 24 52.7	N 72 26.1
End of southern limit of penumbra	10 23.9	E 100 36.2	N 44 14.7
⊙ Eclipse ends; last contact with Earth	11 03.9	E 80 35.1	N 56 29.9