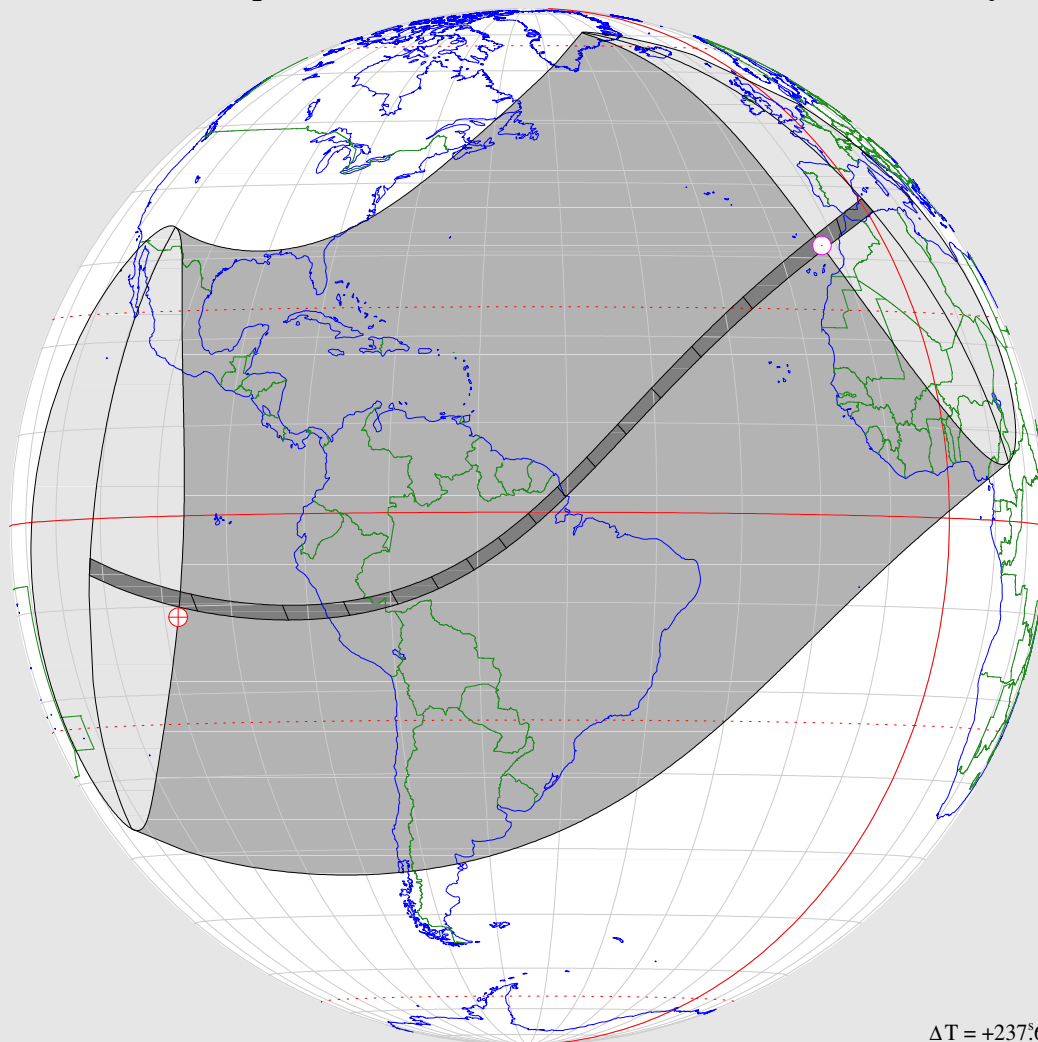


II. - Annular Eclipse of the Sun

1525 January 23



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$\Delta T = +237^{\text{s}}.6$
Globe centred on W $54^{\circ}4$ and S $1^{\circ}6$

Circumstances	Time (UT)		Longitude		Latitude	
	h	m	°	'	°	'
⊕ Eclipse begins; first contact with Earth	12	32.4	W 97	52.1	S 11	13.0
Beginning of southern limit of umbra	13	38.0	W112	43.5	S 6	14.4
Beginning of centre line; central eclipse begins	13	38.3	W112	30.5	S 5	18.6
Beginning of northern limit of umbra	13	38.6	W112	18.0	S 4	22.5
Beginning of southern limit of penumbra	13	46.1	W125	40.6	S 36	12.0
Beginning of northern limit of penumbra	14	22.0	W109	51.2	N 34	23.1
Central eclipse at local apparent noon	15	40.9	W 51	33.3	N 1	25.4
End of northern limit of penumbra	16	32.1	W 35	42.9	N 70	58.9
End of southern limit of penumbra	17	08.7	E 14	30.3	N 6	33.0
End of northern limit of umbra	17	15.9	E 0	50.5	N 38	22.1
End of centre line; central eclipse ends	17	16.3	E 1	13.5	N 37	26.3
End of southern limit of umbra	17	16.5	E 1	36.2	N 36	30.7
⊙ Eclipse ends; last contact with Earth	18	22.3	W 12	38.3	N 31	39.7