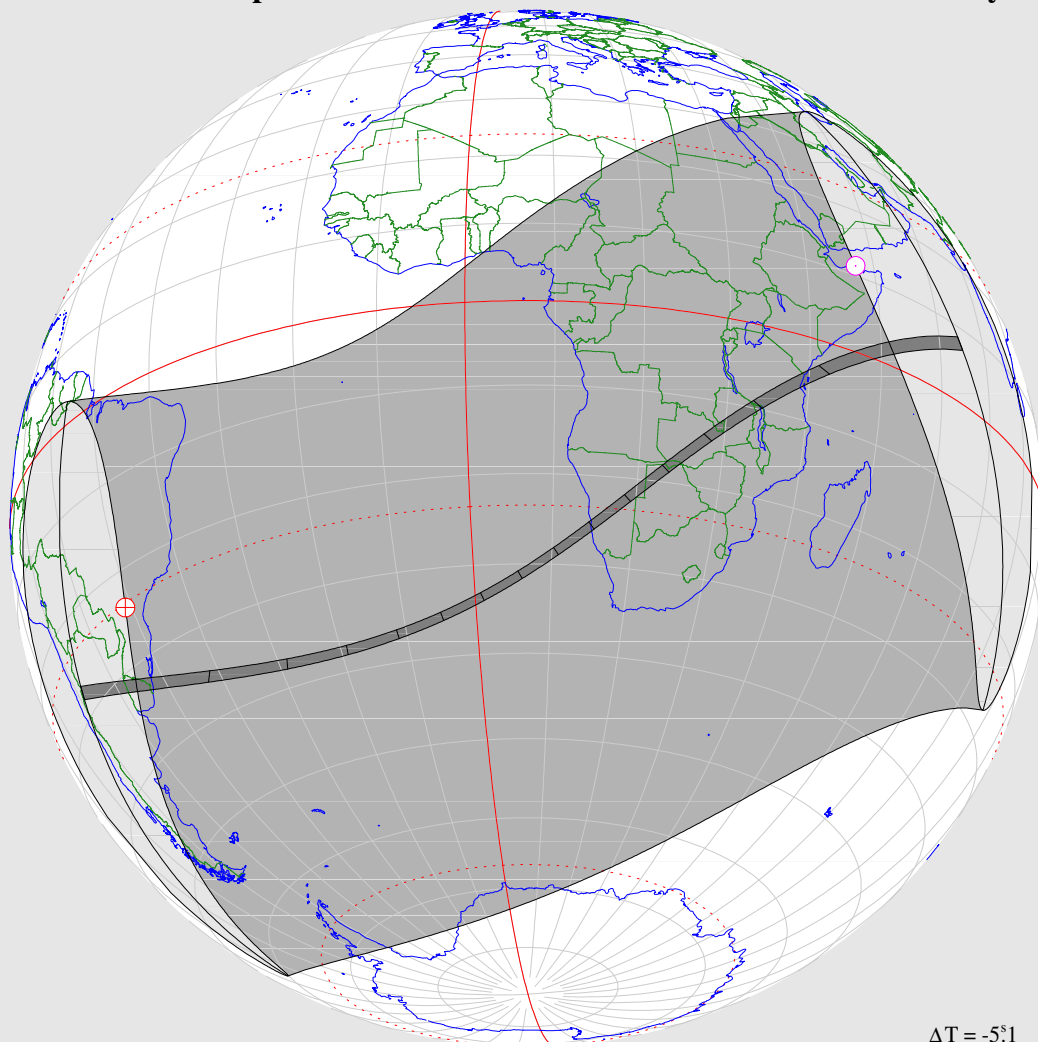


II. - Annular Eclipse of the Sun

1879 January 22



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$\Delta T = -5^s.1$
Globe centred on E 7°0 and S 26°1

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	8 59.9	W 51 10.6	S 23 55.8
Beginning of northern limit of penumbra	9 58.9	W 55 45.8	N 2 48.9
Beginning of northern limit of umbra	10 02.7	W 68 09.4	S 26 48.4
Beginning of centre line; central eclipse begins	10 03.2	W 68 35.1	S 27 28.8
Beginning of southern limit of umbra	10 03.7	W 69 01.4	S 28 09.3
Beginning of southern limit of penumbra	10 44.3	W 106 04.6	S 59 47.1
Central eclipse at local apparent noon	11 46.3	E 6 22.9	S 30 59.1
End of southern limit of penumbra	13 02.5	E 87 58.4	S 27 16.9
End of southern limit of umbra	13 42.8	E 64 42.3	N 7 04.6
End of centre line; central eclipse ends	13 43.3	E 64 19.3	N 7 47.2
End of northern limit of umbra	13 43.8	E 63 56.4	N 8 29.8
End of northern limit of penumbra	13 47.3	E 50 00.4	N 37 48.8
⊙ Eclipse ends; last contact with Earth	14 46.7	E 47 09.3	N 11 23.4