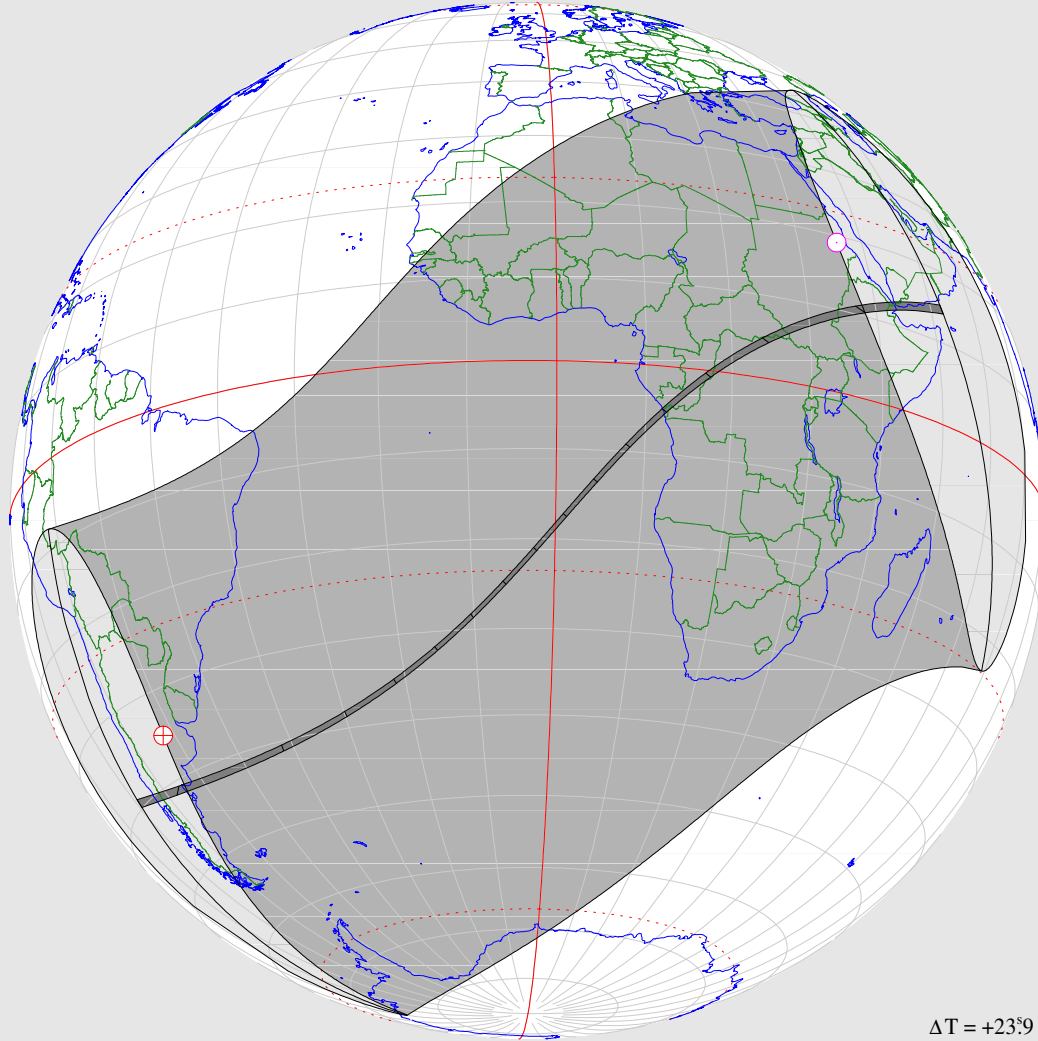


## II. - Annular Eclipse of the Sun

1933 February 24



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$\Delta T = +23^s 9$   
Globe centred on W 3°2' and S 18°0'

Circumstances	Time (UT)	Longitude	Latitude
	<sup>h</sup> <sup>m</sup>	<sup>o</sup> /	<sup>o</sup> /
⊕ Eclipse begins; first contact with Earth	9 55.8	W 62 20.8	S 34 55.8
Beginning of northern limit of penumbra	10 56.9	W 72 10.2	S 7 38.7
Beginning of northern limit of umbra	10 58.0	W 78 56.7	S 38 55.6
Beginning of centre line; central eclipse begins	10 58.3	W 79 09.3	S 39 25.0
Beginning of southern limit of umbra	10 58.6	W 79 22.0	S 39 54.3
Beginning of southern limit of penumbra	11 39.5	W 119 53.3	S 74 52.5
Central eclipse at local apparent noon	12 33.7	W 5 05.3	S 23 55.8
End of southern limit of penumbra	13 53.5	E 69 05.5	S 23 18.0
End of southern limit of umbra	14 34.0	E 52 27.4	N 13 56.8
End of centre line; central eclipse ends	14 34.3	E 52 17.4	N 14 28.0
End of northern limit of umbra	14 34.6	E 52 07.4	N 14 59.1
End of northern limit of penumbra	14 35.3	E 44 29.8	N 46 10.4
⊙ Eclipse ends; last contact with Earth	15 36.8	E 35 50.2	N 18 59.6