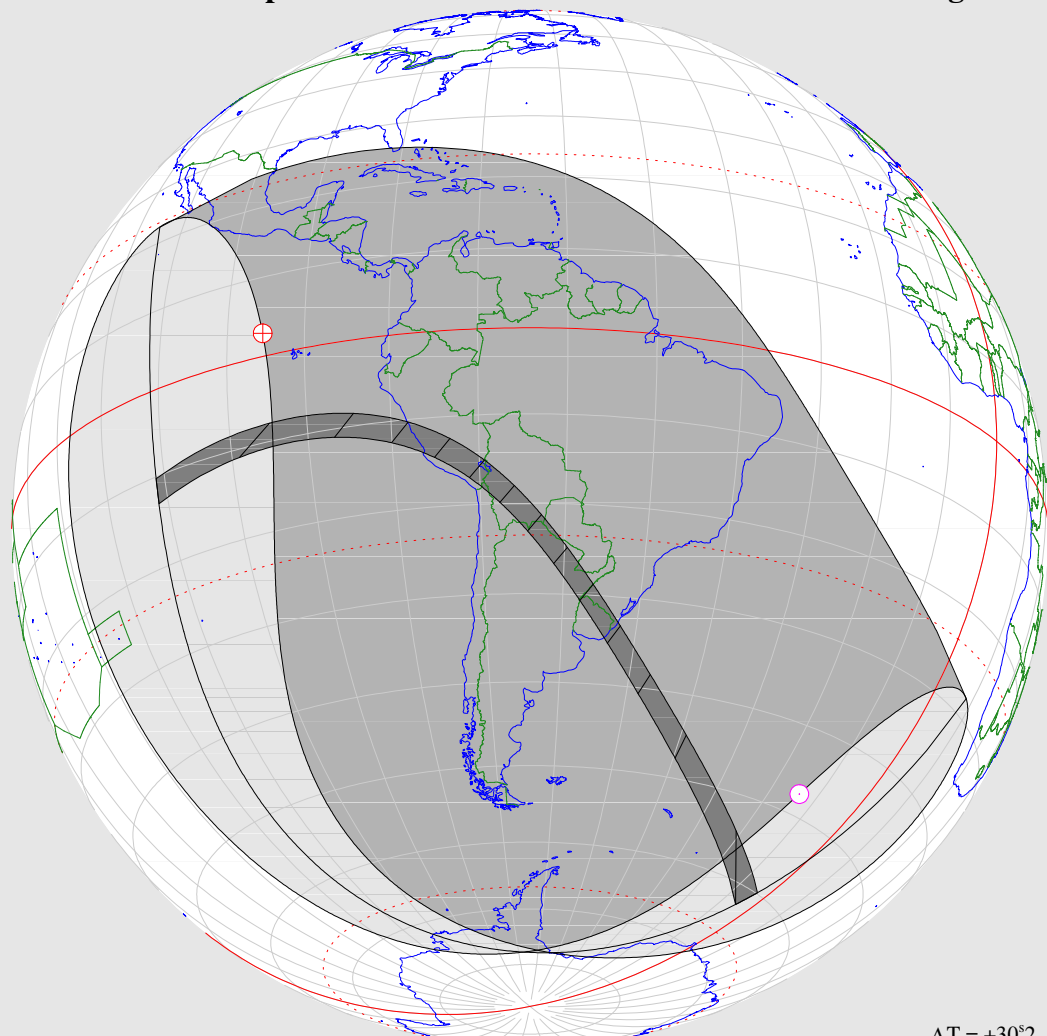


# IV. - Annular Eclipse of the Sun

1952 August 20



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$\Delta T = +30^{\text{s}}.2$   
Globe centred on W 64°2' and S 22°8'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	12 21.9	W 95 16.8	N 2 49.6
Beginning of northern limit of penumbra	13 22.0	W114 55.5	N22 40.7
Beginning of northern limit of umbra	13 37.6	W111 18.9	S 10 11.1
Beginning of centre line; central eclipse begins	13 39.1	W111 23.1	S 11 36.2
Beginning of southern limit of umbra	13 40.8	W111 28.2	S 13 02.9
Central eclipse at local apparent noon	15 48.1	W 56 12.4	S 30 34.0
End of southern limit of umbra	16 44.9	W 5 10.6	S 62 27.2
End of centre line; central eclipse ends	16 46.6	W 4 11.4	S 61 08.5
End of northern limit of umbra	16 48.2	W 3 19.0	S 59 50.5
End of northern limit of penumbra	17 04.2	E 8 07.1	S 27 57.5
⊙ Eclipse ends; last contact with Earth	18 03.9	W 13 56.1	S 47 28.8