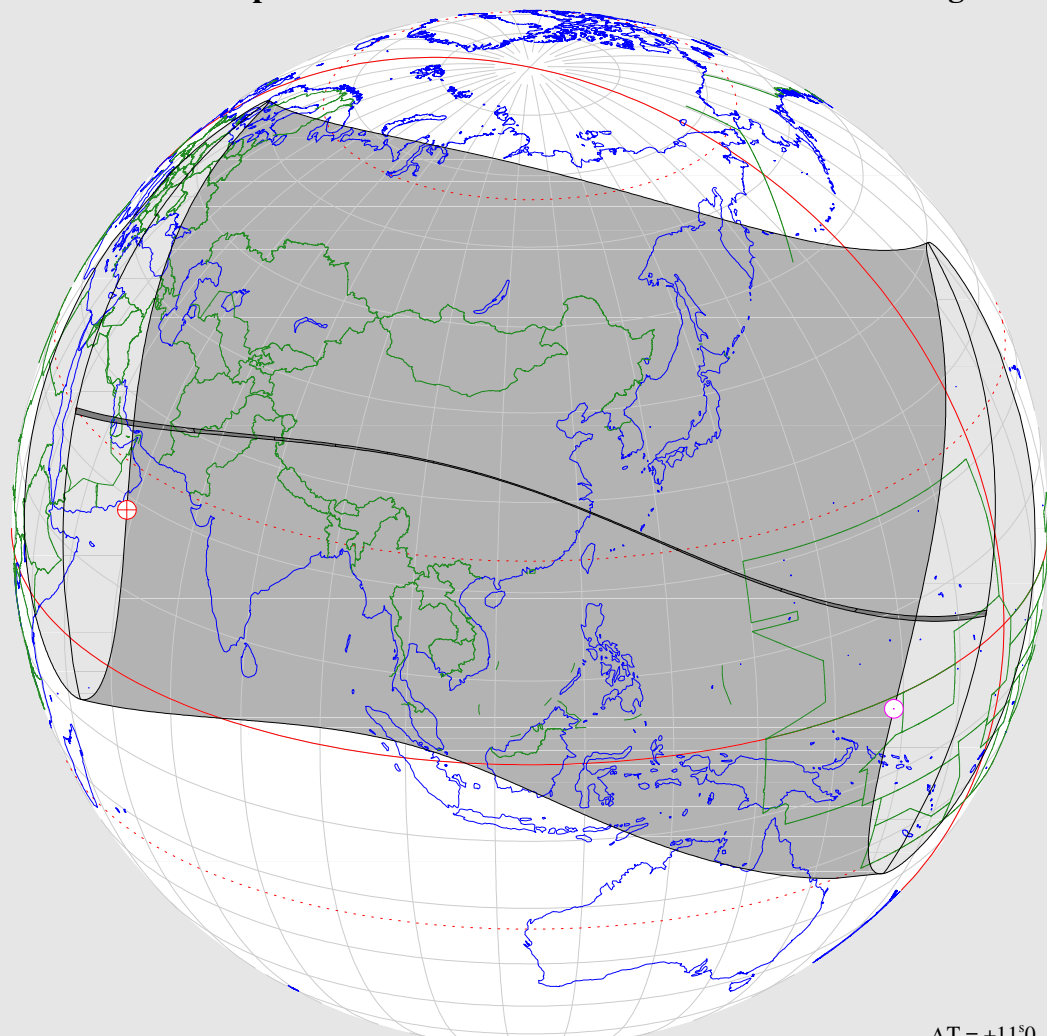


# V. - Annular Eclipse of the Sun

1720 August 04



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$\Delta T = +11^s 0$   
Globe centred on E 113°9' and N 27°1'

Circumstances	Time (UT)		Longitude	Latitude
	h	m	° / ' / "	° / ' / "
⊕ Eclipse begins; first contact with Earth	1	46.4	E 58 47.4	N 18 33.0
Beginning of southern limit of penumbra	2	42.4	E 52 59.7	S 7 02.8
Beginning of southern limit of umbra	2	49.2	E 41 29.1	N 23 01.7
Beginning of centre line; central eclipse begins	2	49.4	E 41 18.6	N 23 20.3
Beginning of northern limit of umbra	2	49.7	E 41 08.0	N 23 39.0
Beginning of northern limit of penumbra	3	34.8	E 7 21.9	N 58 20.6
Central eclipse at local apparent noon	4	33.1	E 113 07.4	N 31 38.4
End of northern limit of penumbra	5	41.5	W 158 59.0	N 39 46.9
End of northern limit of umbra	6	26.5	E 175 53.6	N 3 36.7
End of centre line; central eclipse ends	6	26.7	E 175 44.9	N 3 19.2
End of southern limit of umbra	6	26.9	E 175 36.1	N 3 01.8
End of southern limit of penumbra	6	33.5	E 163 53.8	S 27 00.6
⊙ Eclipse ends; last contact with Earth	7	29.6	E 158 31.0	S 1 30.2