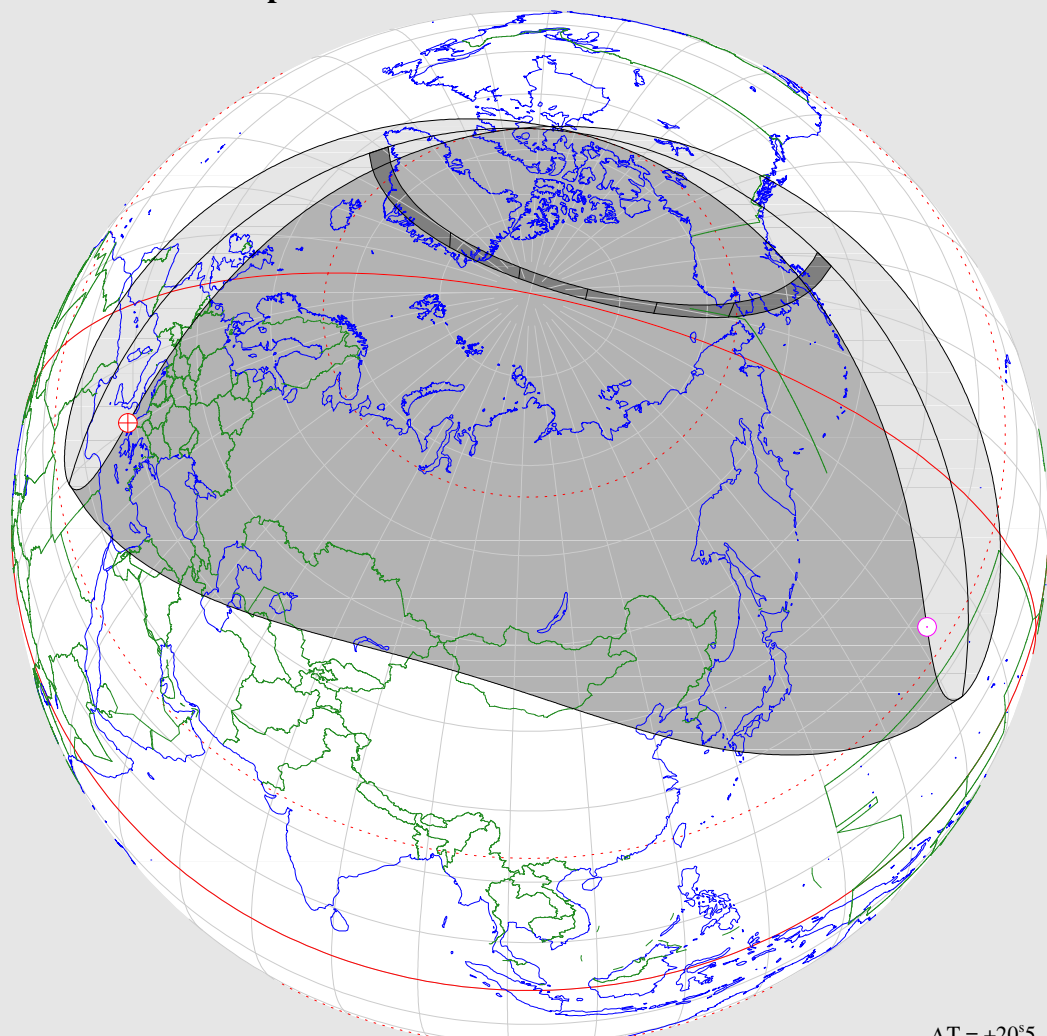


III. - Annular Eclipse of the Sun

1675 June 23



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$\Delta T = +20^s.5$
Globe centred on E 102°5 and N 63°0

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	3 23.8	E 19 04.7	N38 39.6
Beginning of southern limit of penumbra	3 49.6	E 20 41.5	N26 03.8
Beginning of southern limit of umbra	4 59.7	W 37 11.1	N61 20.6
Beginning of centre line; central eclipse begins	5 01.4	W 39 12.6	N61 50.5
Beginning of northern limit of umbra	5 03.2	W 41 22.2	N62 20.3
Central eclipse at local apperent midnight	5 32.7	W 82 50.0	N88 00.8
End of northern limit of umbra	6 25.6	W149 00.8	N54 12.7
End of centre line; central eclipse ends	6 27.3	W150 30.0	N53 32.0
End of southern limit of umbra	6 28.9	W151 53.7	N52 52.3
End of southern limit of penumbra	7 39.0	E 162 03.6	N14 31.3
○ Eclipse ends; last contact with Earth	8 04.8	E 162 11.7	N27 27.8