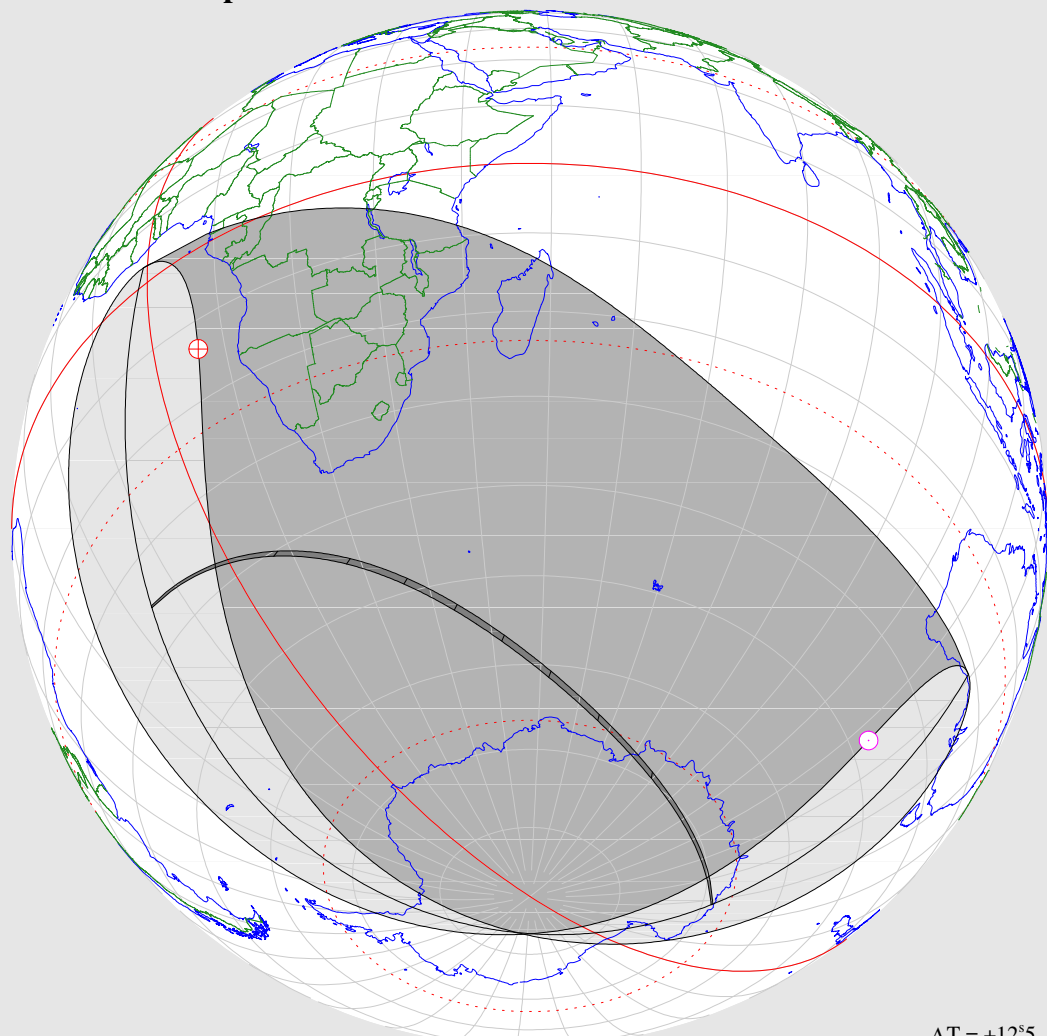


III. - Total Eclipse of the Sun

1809 October 09



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$\Delta T = +12^s 5$
Globe centred on E 47°6' and S 44°8'

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	5 15.9	E 6 23.3	S 13 43.3
Beginning of northern limit of penumbra	5 51.5	W 0 42.1	N 2 49.5
Beginning of northern limit of umbra	6 32.8	W 15 40.0	S 35 07.7
Beginning of centre line; central eclipse begins	6 32.9	W 15 42.9	S 35 13.2
Beginning of southern limit of umbra	6 33.1	W 15 46.0	S 35 18.7
Central eclipse at local apparent noon	8 04.5	E 55 44.2	S 62 18.1
End of southern limit of umbra	8 43.5	E 152 09.5	S 68 50.5
End of centre line; central eclipse ends	8 43.7	E 152 01.3	S 68 44.0
End of northern limit of umbra	8 43.9	E 151 53.1	S 68 37.4
End of northern limit of penumbra	9 25.3	E 129 16.6	S 31 15.1
⊙ Eclipse ends; last contact with Earth	10 00.7	E 123 29.0	S 47 39.3