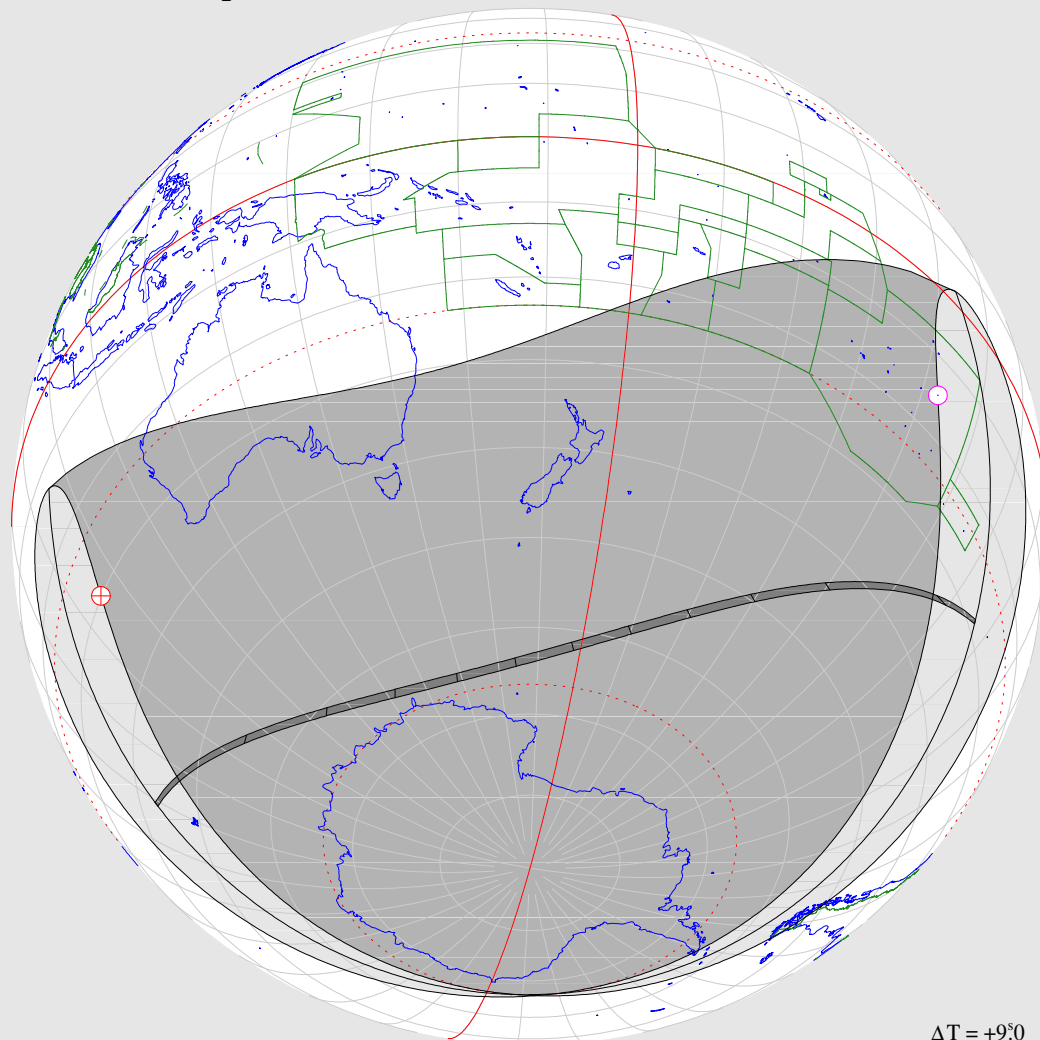


VI. - Total Eclipse of the Sun

1693 December 26-27



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$\Delta T = +9^s 0$
Globe centred on E 168°0 and S 48°8

Circumstances	Time (UT)	Longitude	Latitude
	h m	° /	° /
⊕ Eclipse begins; first contact with Earth	22 43.2	E 95 20.5	S 29 51.6
Beginning of northern limit of penumbra	23 16.1	E 95 41.6	S 13 05.8
Beginning of northern limit of umbra	23 49.8	E 69 19.8	S 42 59.7
Beginning of centre line; central eclipse begins	23 50.1	E 69 05.3	S 43 11.0
Beginning of southern limit of umbra	23 50.4	E 68 50.6	S 43 22.3
Central eclipse at local apparent noon	1 00.9	E 165 16.1	S 63 49.5
End of southern limit of umbra	2 31.1	W113 28.7	S 28 55.7
End of centre line; central eclipse ends	2 31.4	W113 39.4	S 28 44.5
End of northern limit of umbra	2 31.6	W113 50.0	S 28 33.4
End of northern limit of penumbra	3 05.3	W136 44.8	N 2 10.6
⊙ Eclipse ends; last contact with Earth	3 38.3	W137 29.4	S 14 51.1