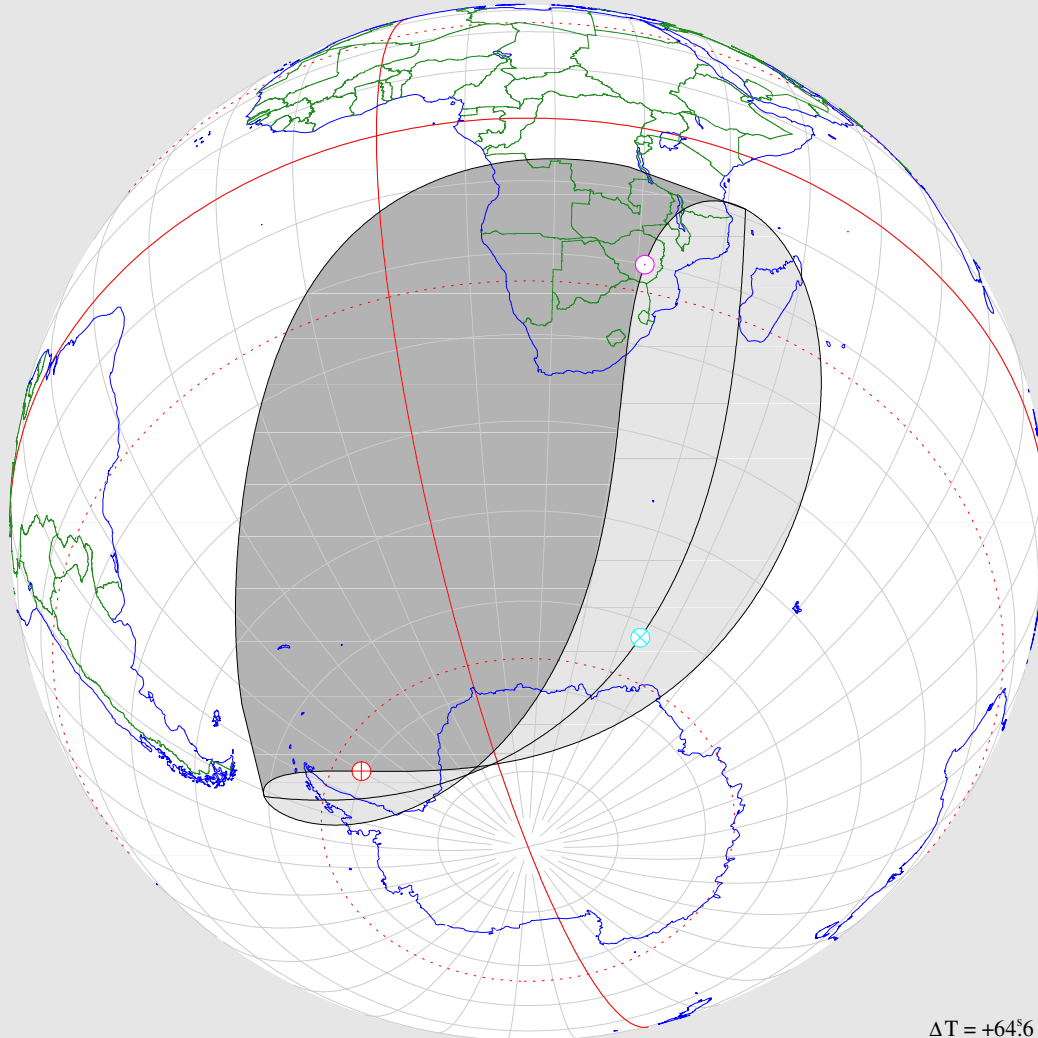


I. - Partial Eclipse of the Sun

2004 April 19



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$\Delta T = +64^s.6$
Globe centred on E 17°0 and S 51°3

Circumstances	Time (UT)	Longitude	Latitude
	^h ^m	^o /	^o /
⊕ Eclipse begins; first contact with Earth	11 29.9	W 49 59.3	S 69 34.3
Beginning of northern limit of penumbra	12 05.0	W 71 33.0	S 59 24.6
⊗ Greatest eclipse (magnitude = 0.7369)	13 34.0	E 44 12.6	S 61 43.5
End of northern limit of penumbra	15 03.5	E 42 07.4	S 8 38.6
⊙ Eclipse ends; last contact with Earth	15 38.6	E 30 52.3	S 20 01.5