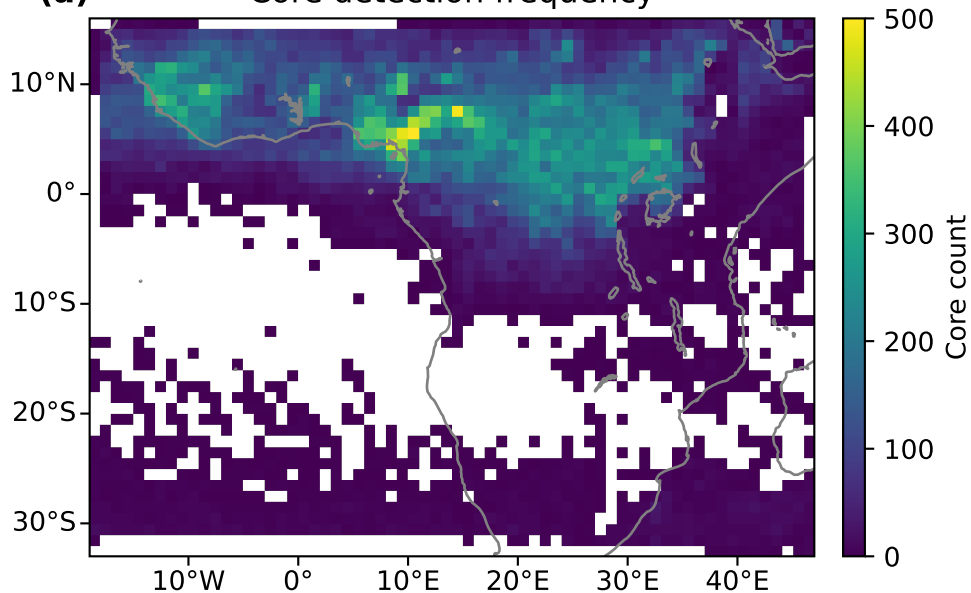


**(a)** Core detection frequency



**(b)** Core detection time

