# Analysis and prediction of altimetric sea level variations during El Niño, La Niña, and normal conditions

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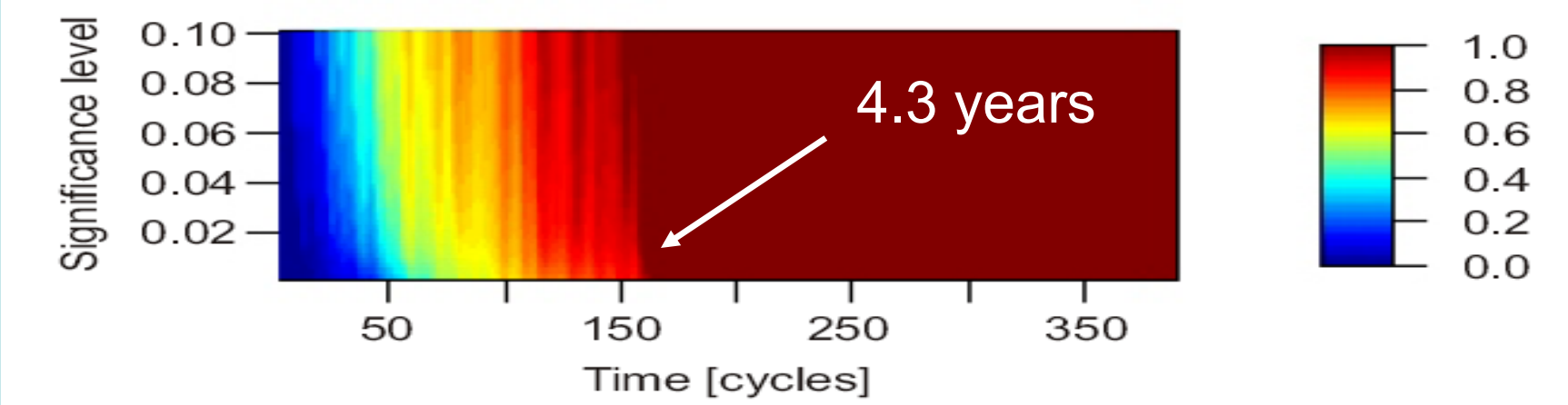
**In this analysis the SLA data from T/P and Jason-1 altimetry were used:**
**- time period: 10.01.1993 - 14.07.2003;**
**- sampling interval: 1 cycle = 9.9140625 days;**

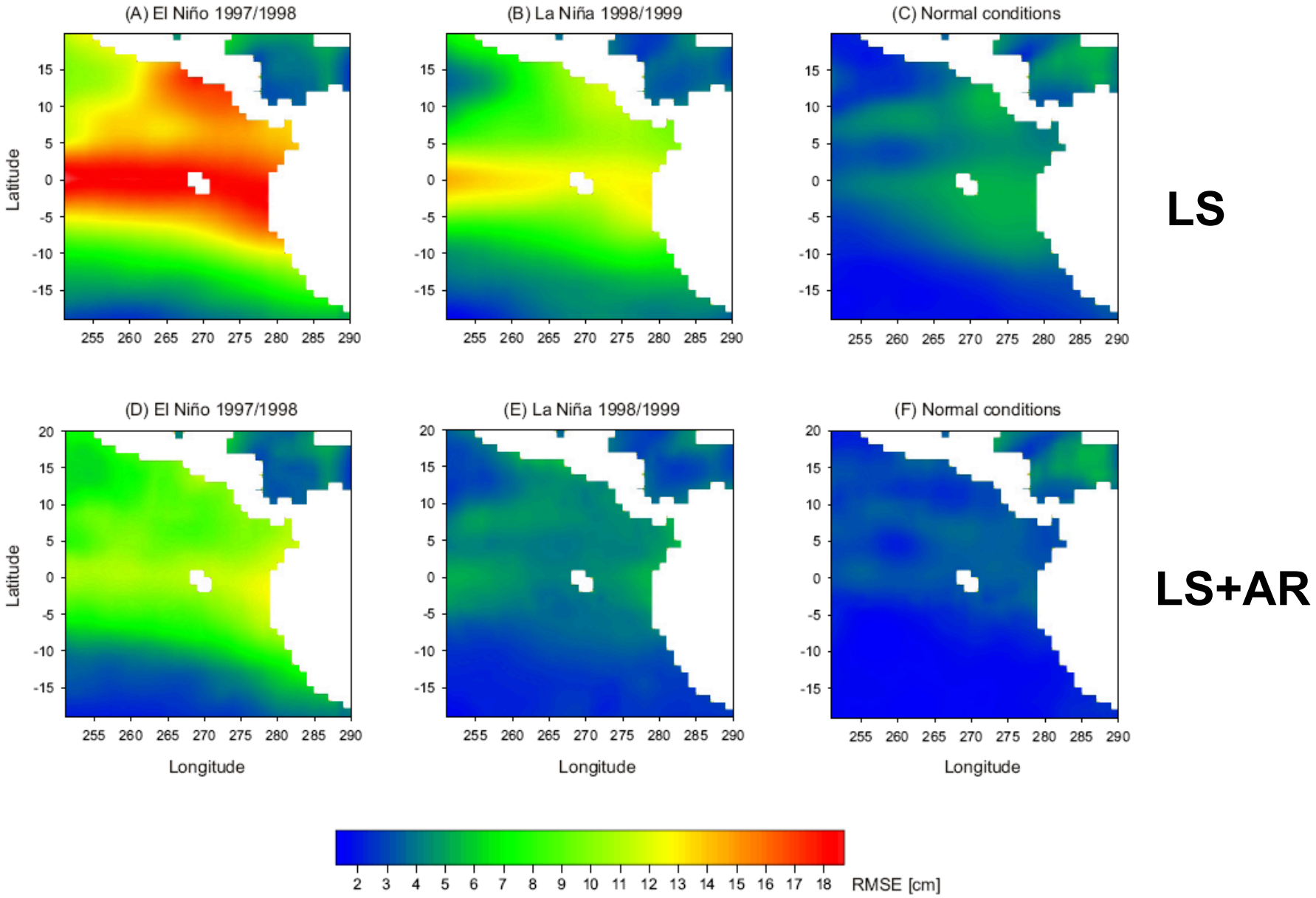
## Sea level rise from altimetry ~ 3.5 mm/year

## What is the minimum time span of the SLA data to estimate a trend in sea level change ?

## Cox-Stuart test for trend detection

Probability of trend detection in the global „SLA data – seasonal terms”






**Mean prediction errors of the SLA data for 1 month in the future**