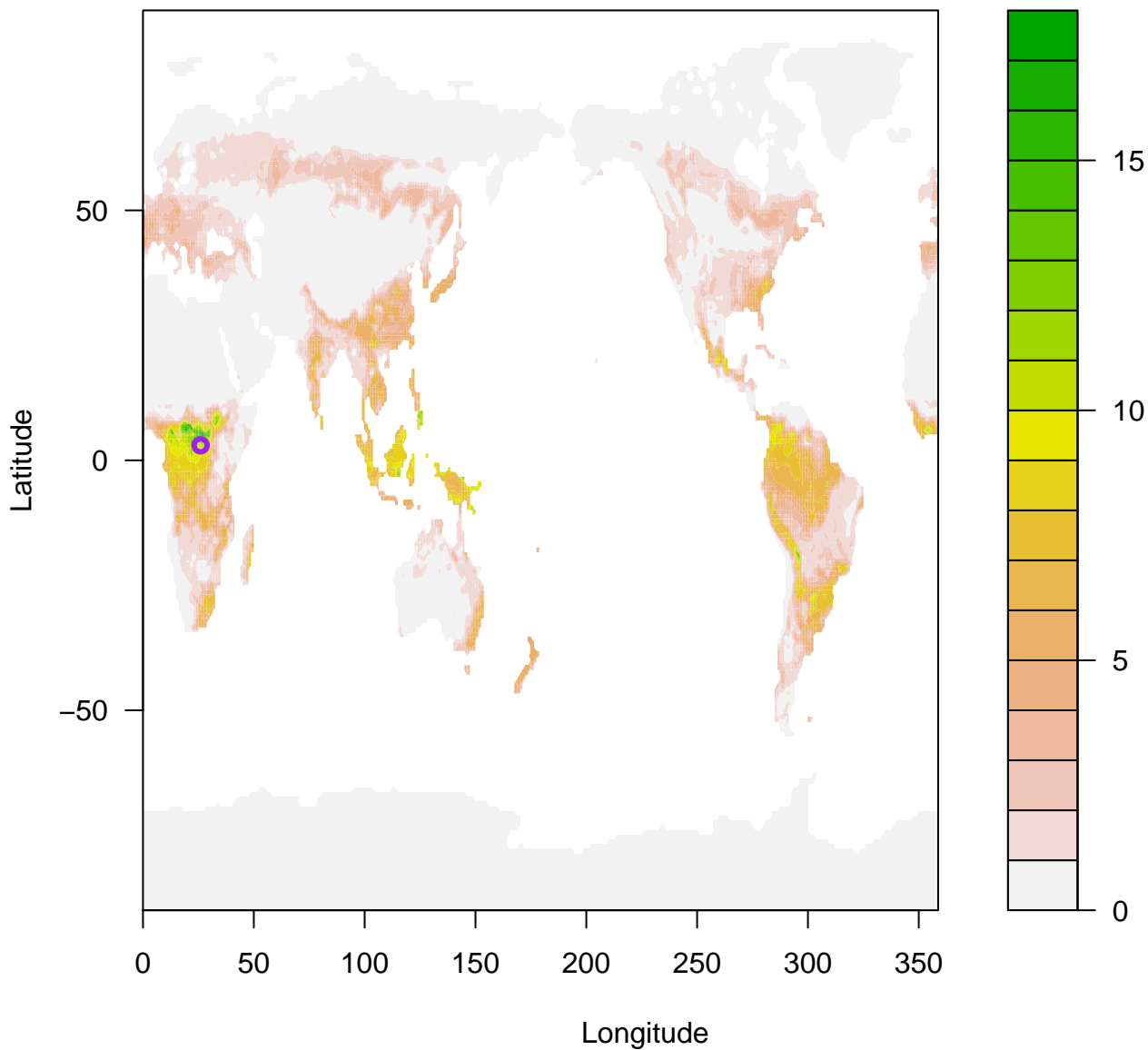
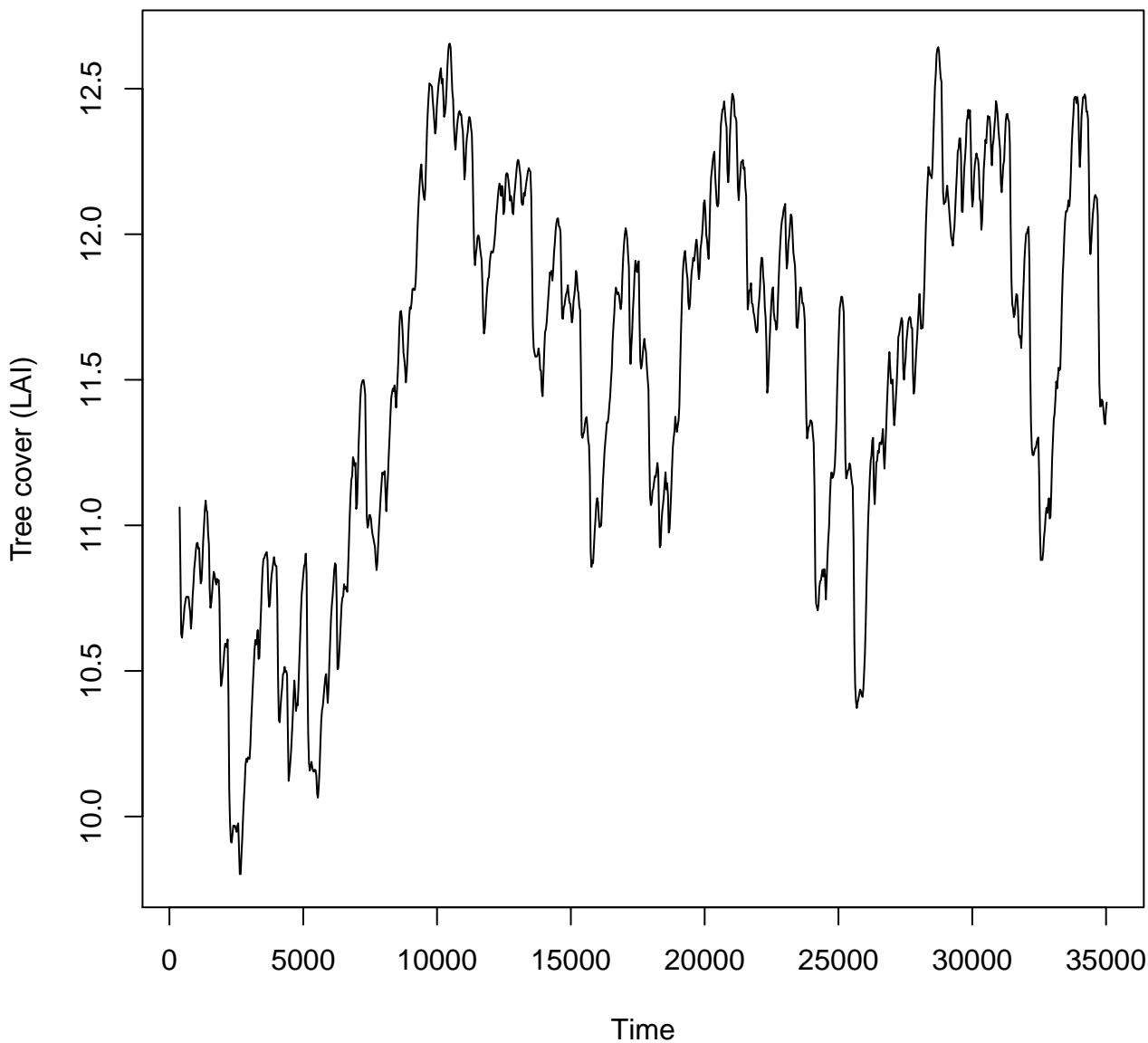


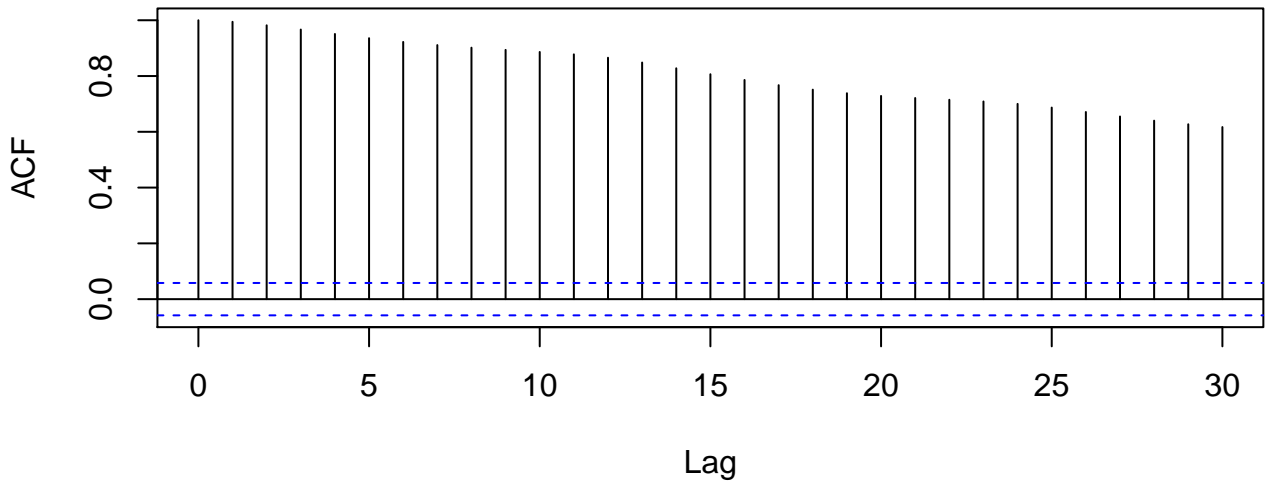
# Leaf area, Jan 2005



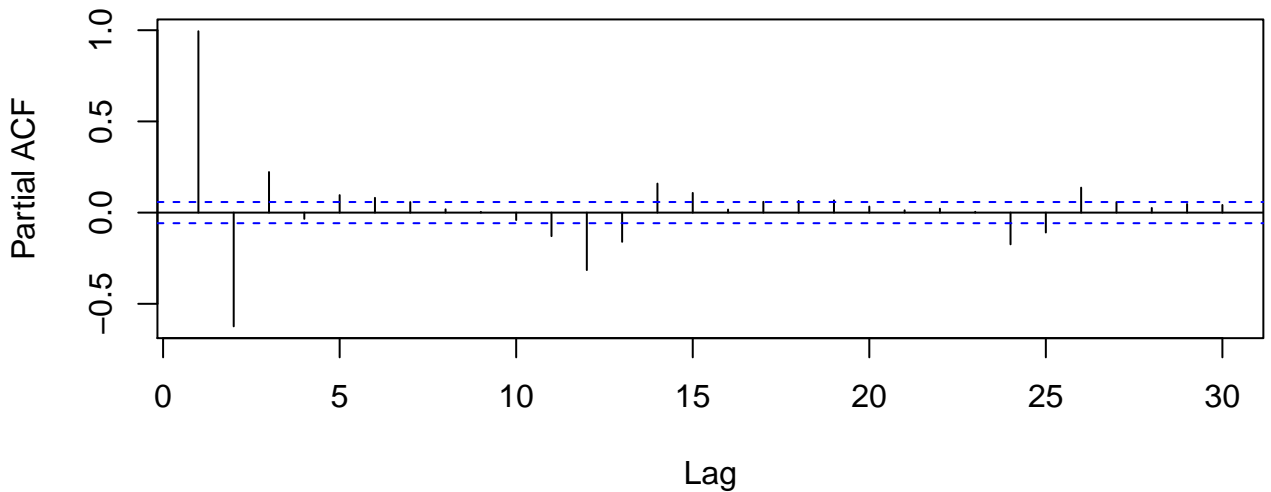
# Single location sub-Saharan African tree cover over a century



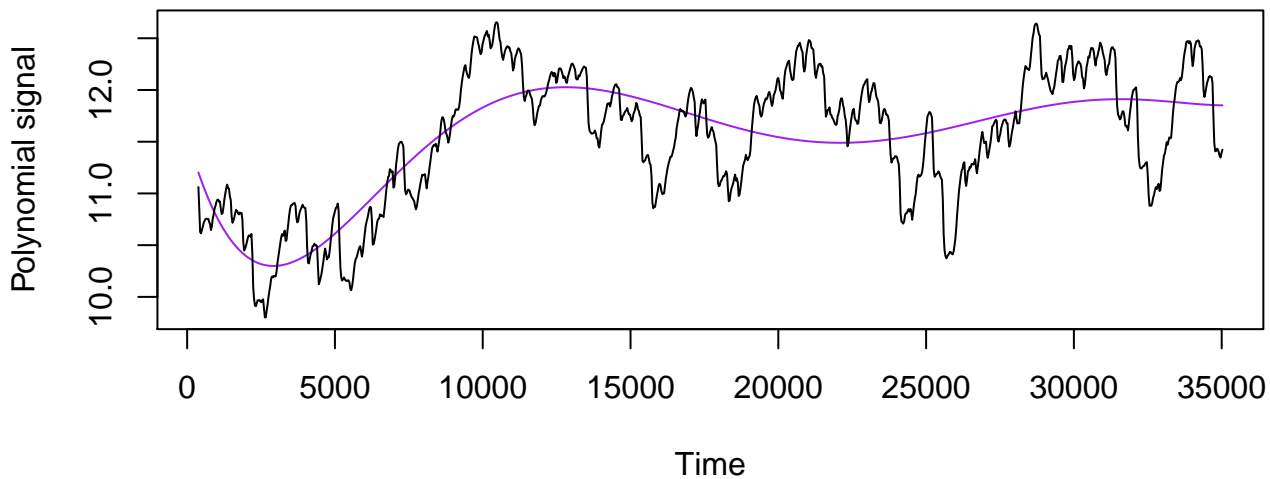
**Raw data (ACF)**



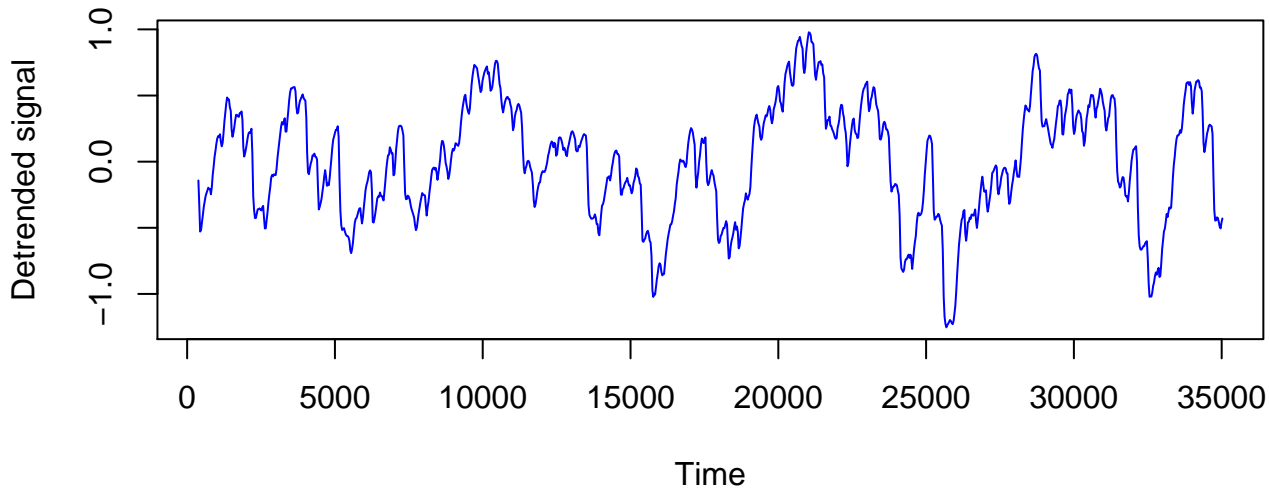
**Raw data (PACF)**



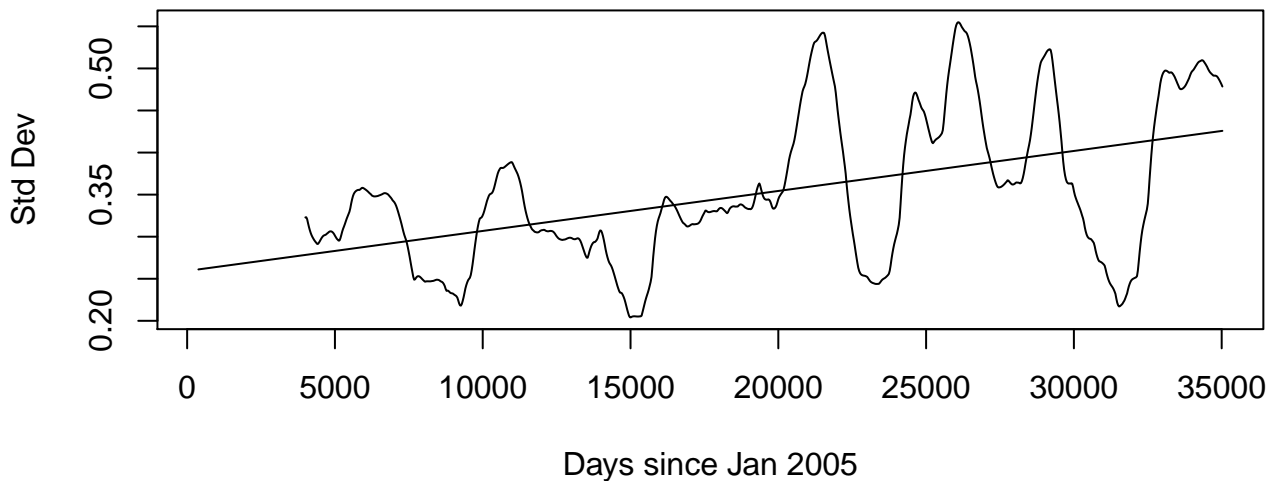
**Polynomial trend**



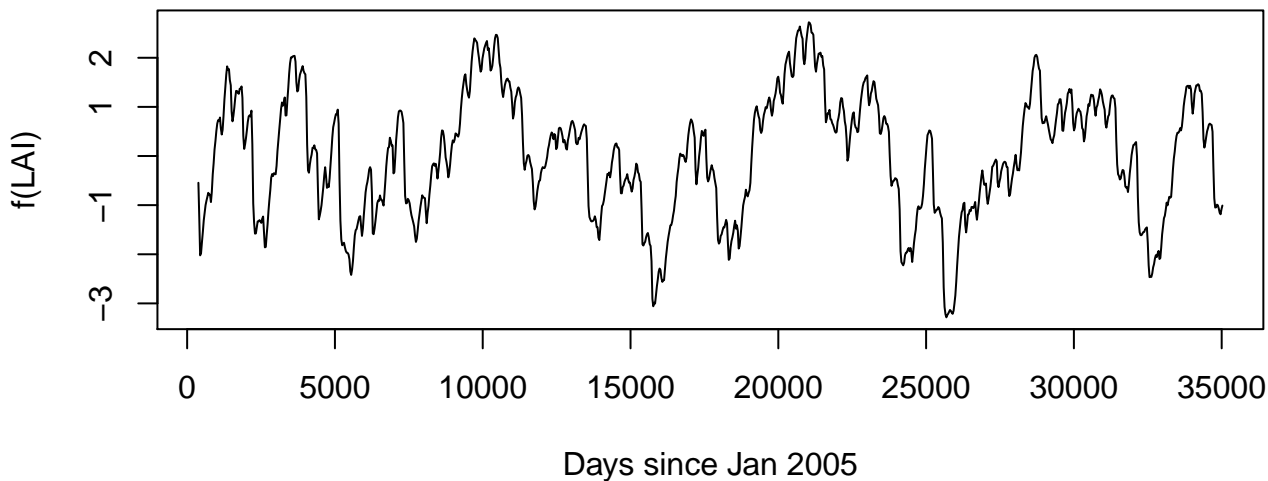
**Detrended**



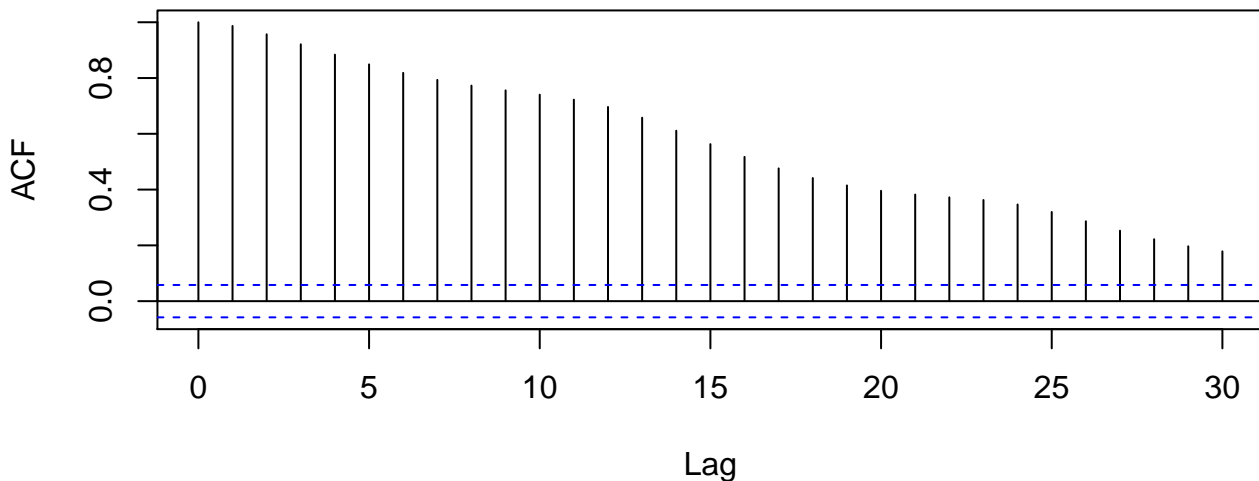
## Running standard deviation 10 year window



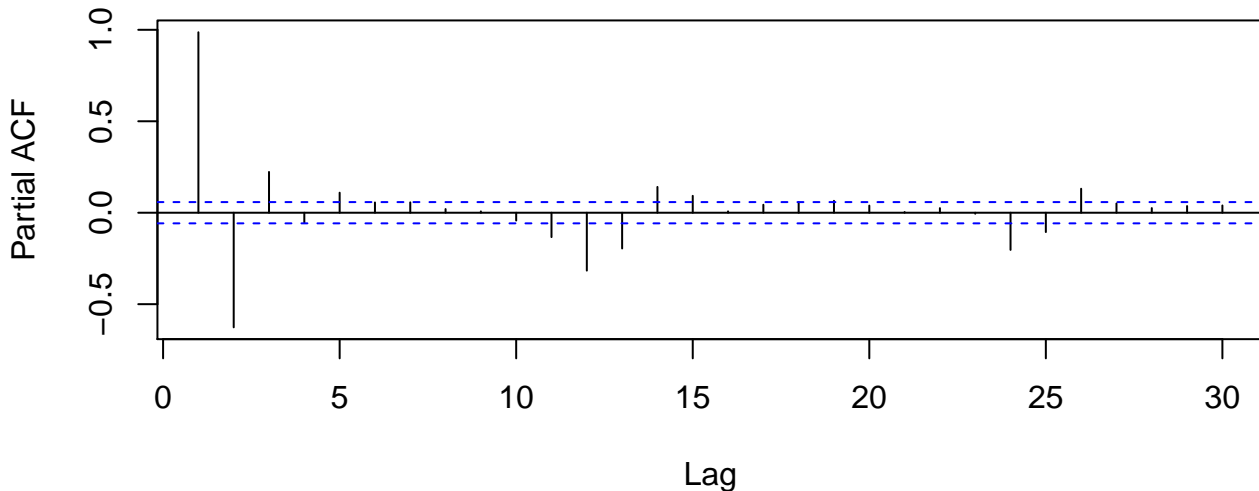
## Detrended obsv with stdzd SD



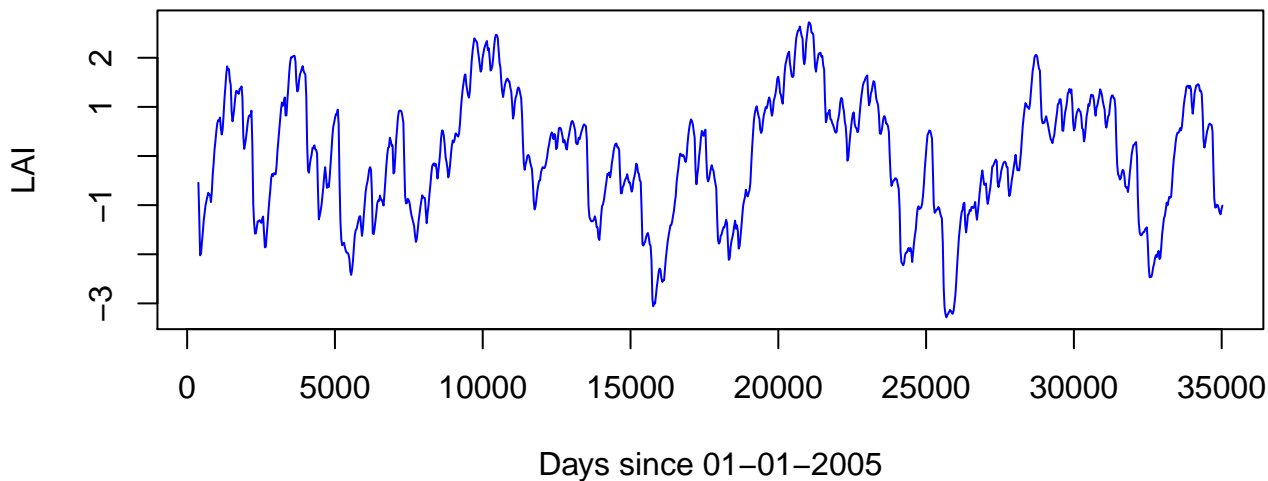
**Detrended data (ACF)**



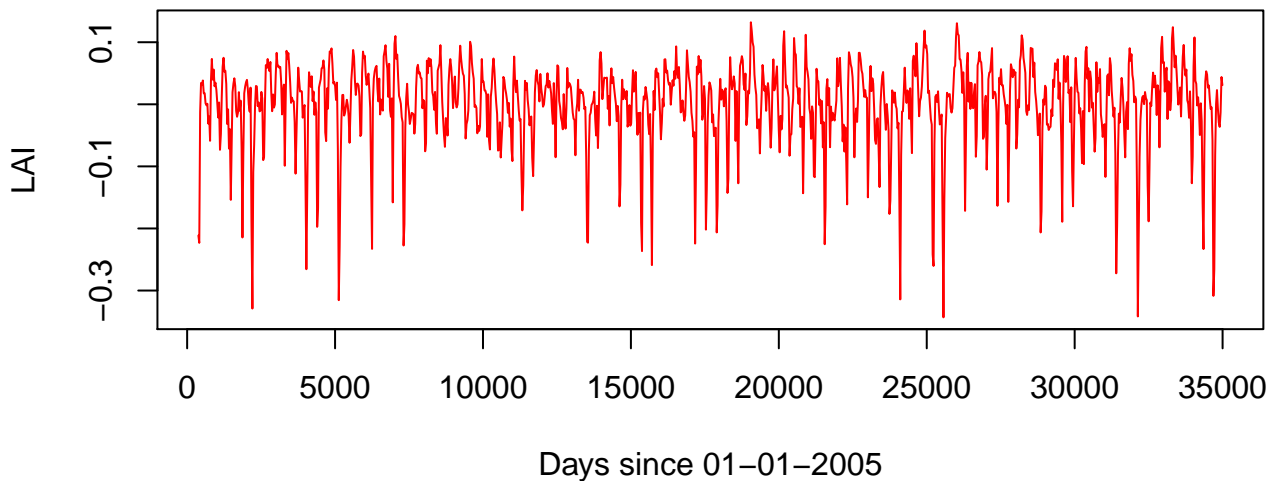
**Detrended data (PACF)**



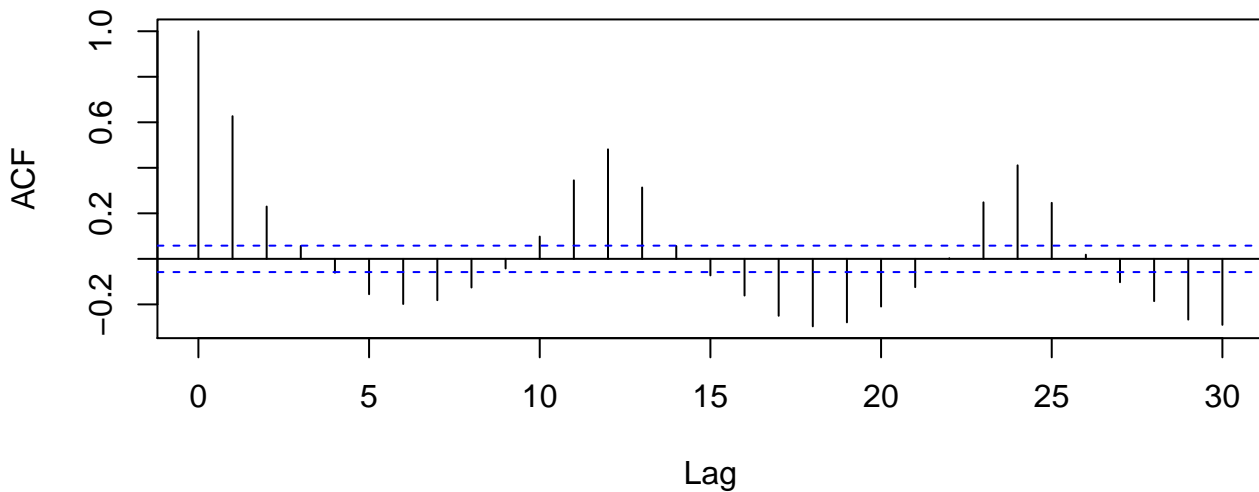
## Detrended



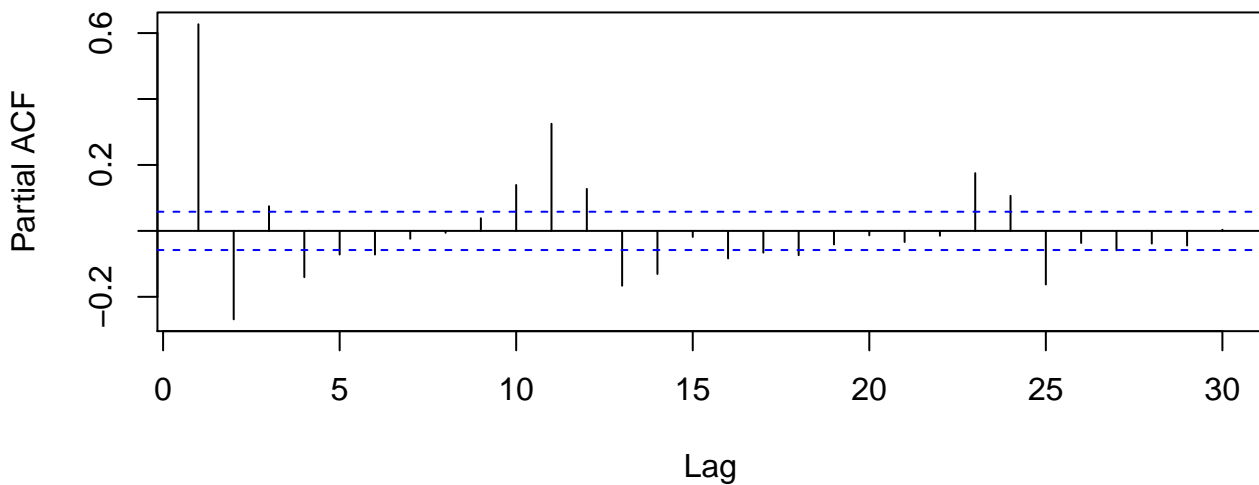
## Differenced



**Differenced data (ACF)**

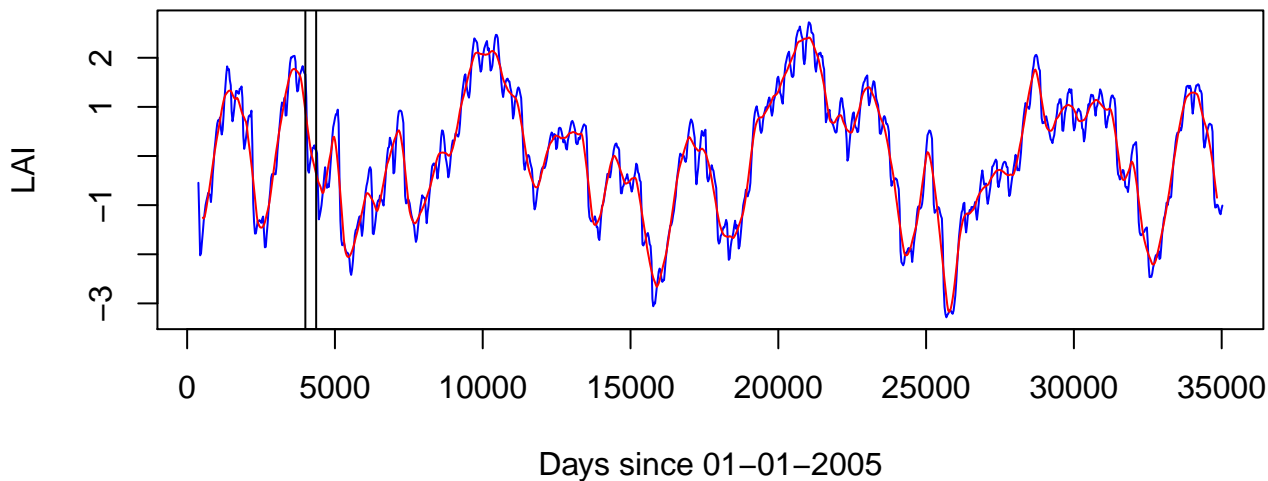


**Differenced data (PACF)**

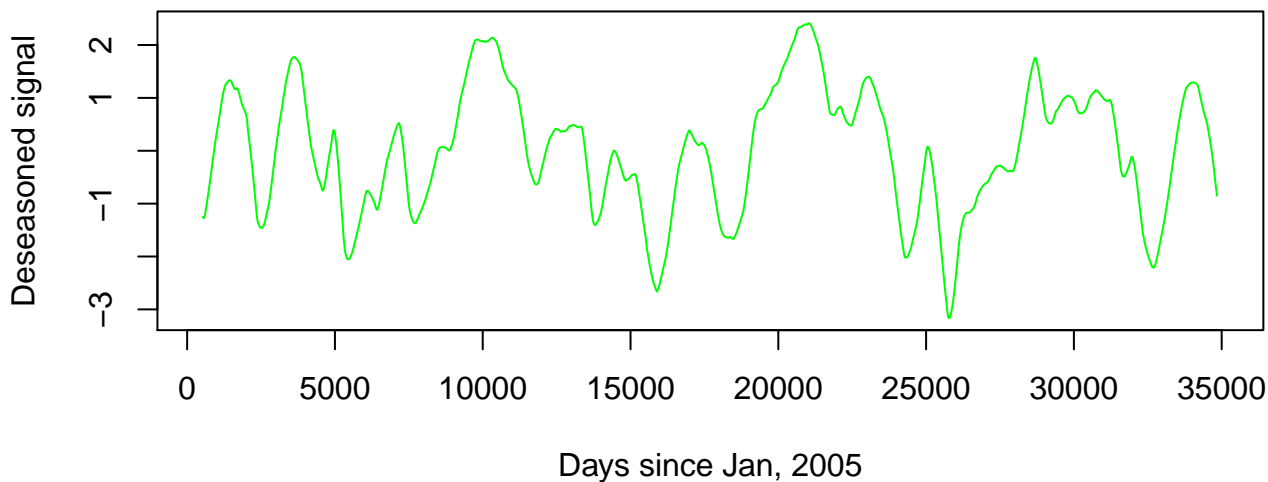




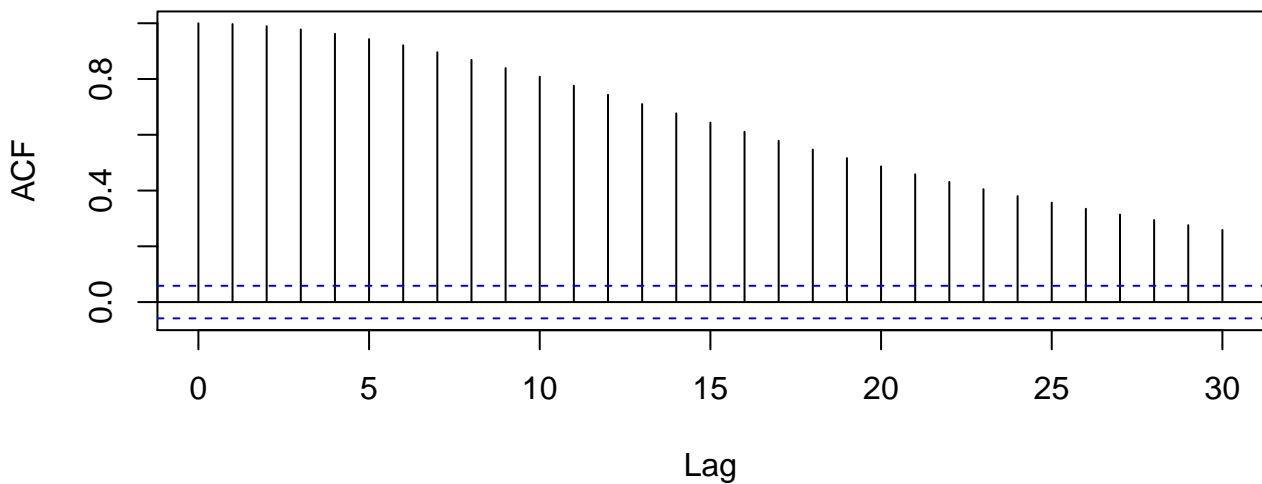
### Moving average seasonality (filter.width=1yr)



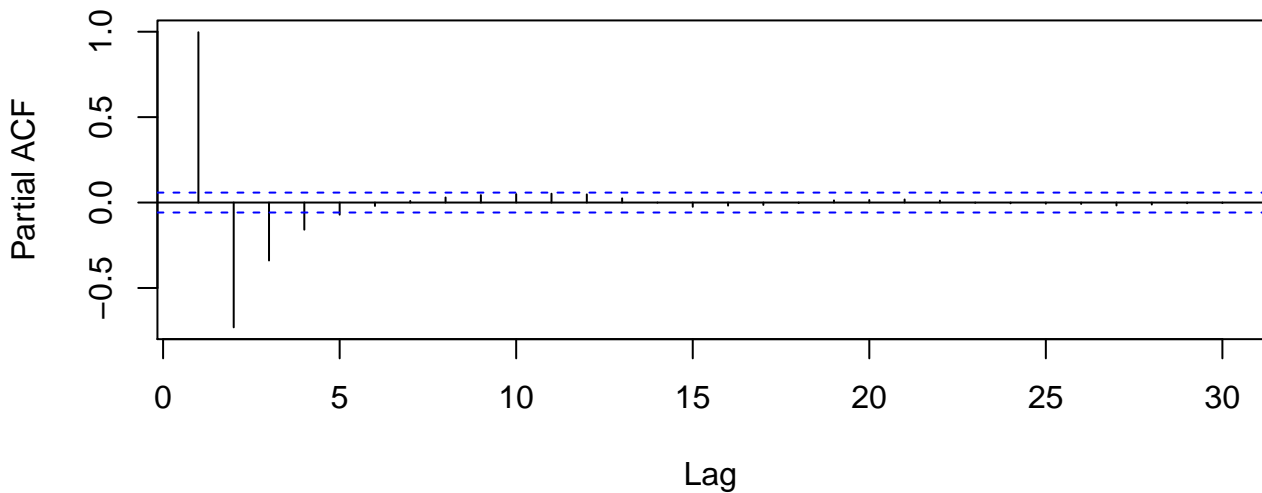
### Deseasoned LAI



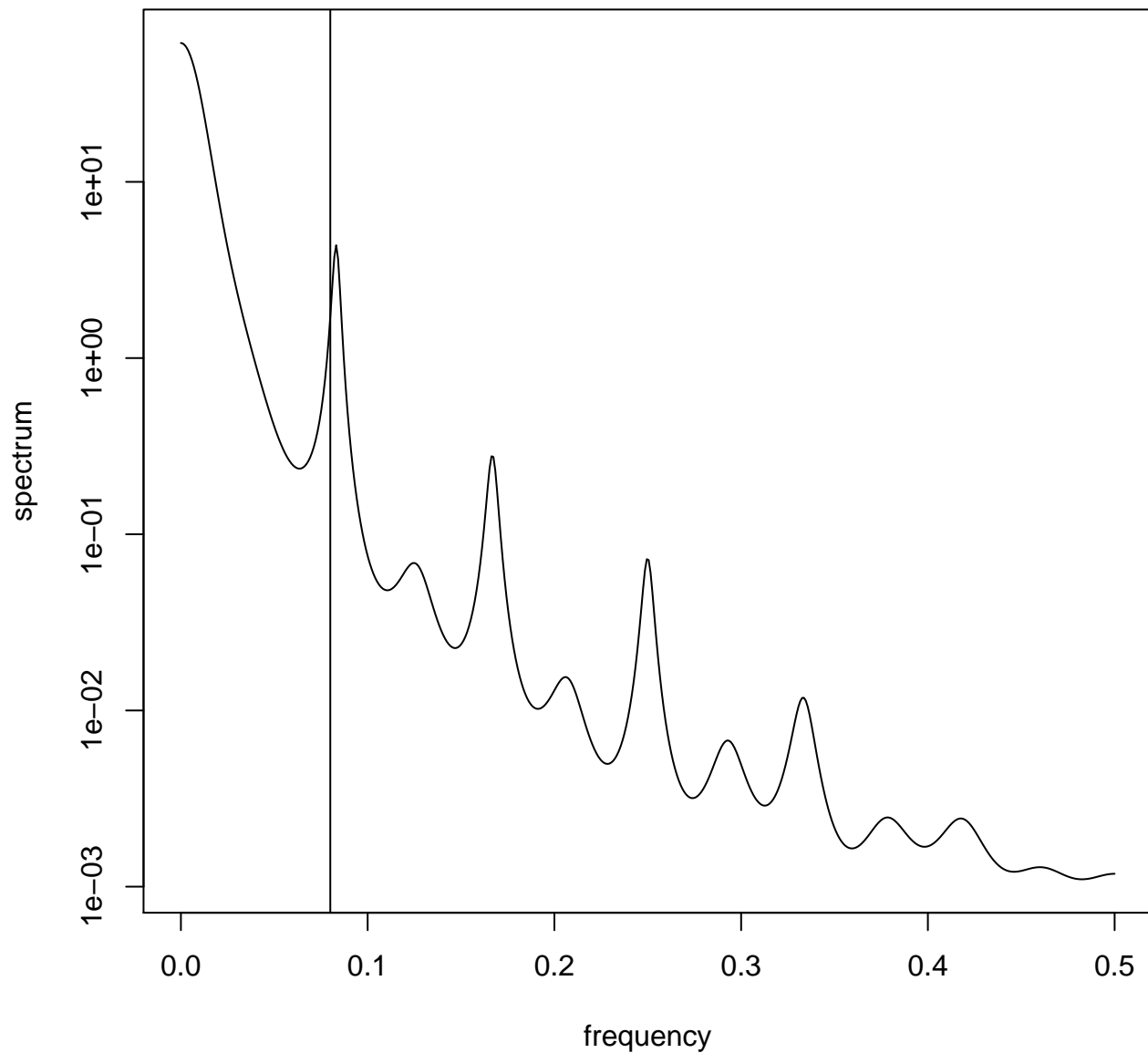
**Series na.omit(d.af.deseas)**



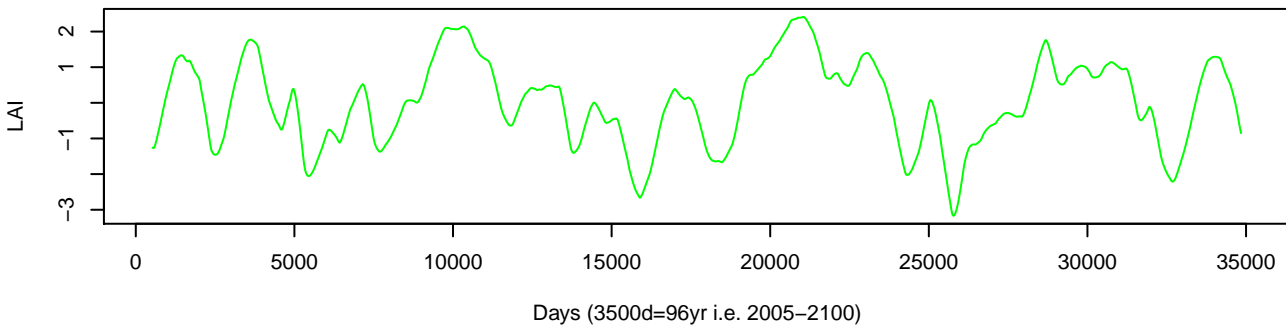
**Series na.omit(d.af.deseas)**



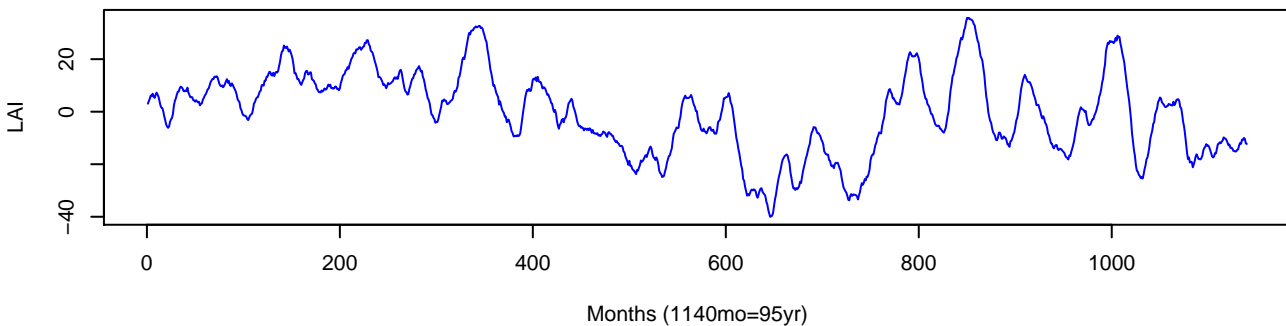
# Spectrum of AR(27) ~ detrended



**Deseasoned data**



**Simulated from AR(4) ~ deseasoned**



**Spectral density of AR(4)**

