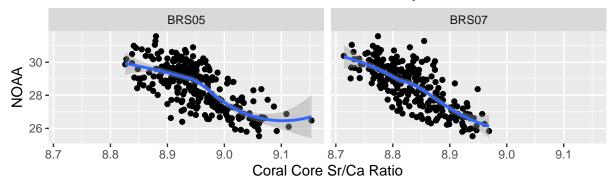
# Coral Core Calibration and Frequency Analysis

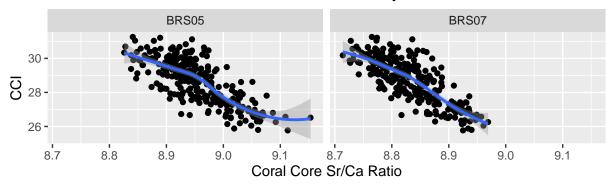
Vanessa Hui Fen Neo

2021-12-15

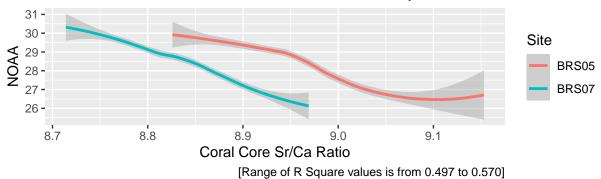
#### Browse Island NOAA SST and Coral Core Proxy



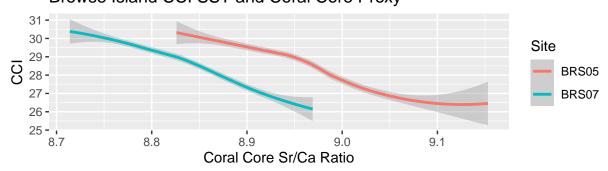
## Browse Island CCI SST and Coral Core Proxy



## Browse Island NOAA SST and Coral Core Proxy

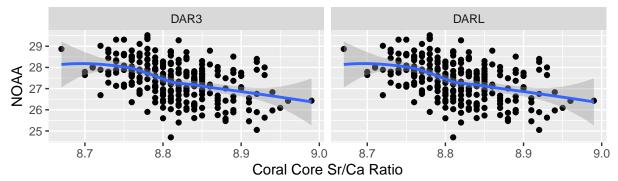


# Browse Island CCI SST and Coral Core Proxy

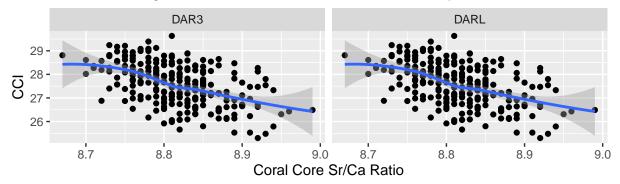


[Range of R Square values is from 0.568 to 0.622]

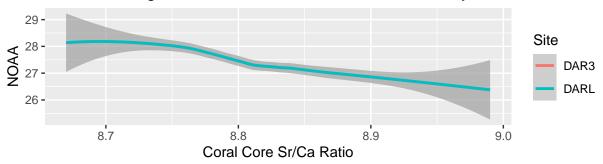
## Cocos Keeling Island NOAA SST and Coral Core Proxy



## Cocos Keeling Island CCI SST and Coral Core Proxy

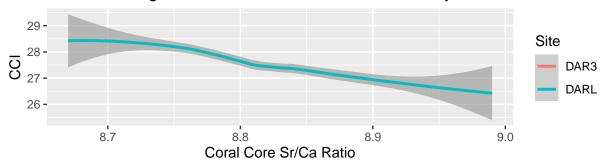


#### Cocos Keeling Island NOAA SST and Coral Core Proxy



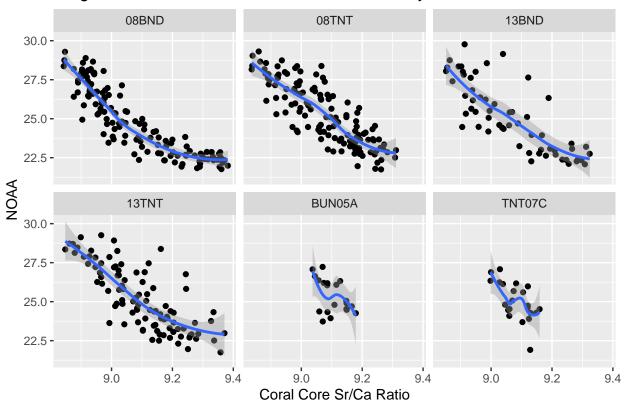
[R Square values for both sites are 0.188]

## Cocos Keeling Island CCI SST and Coral Core Proxy

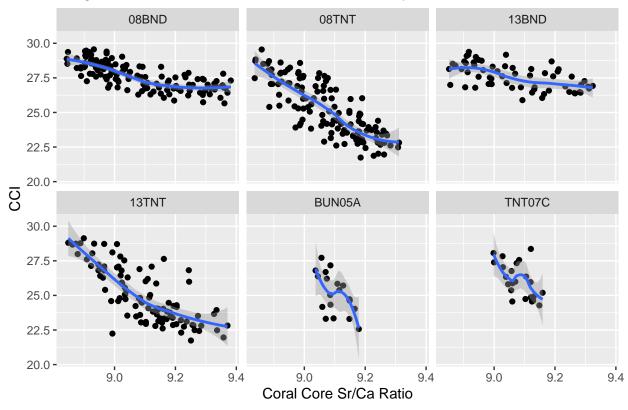


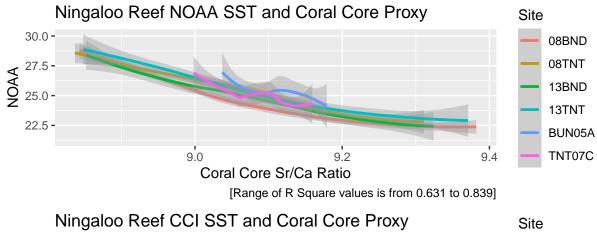
[R Square values for both sites are 0.244]

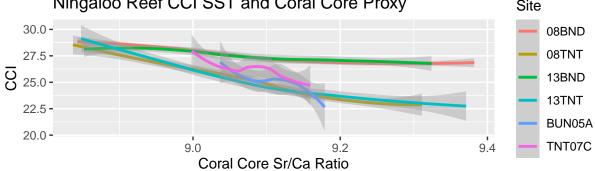
# Ningaloo Reef NOAA SST and Coral Core Proxy



# Ningaloo Reef CCI SST and Coral Core Proxy





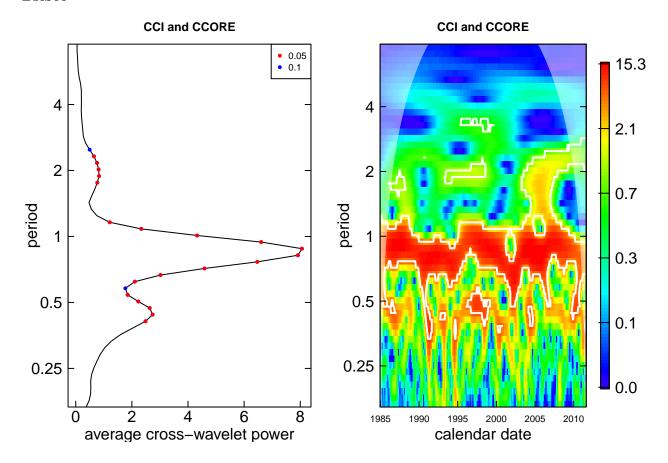


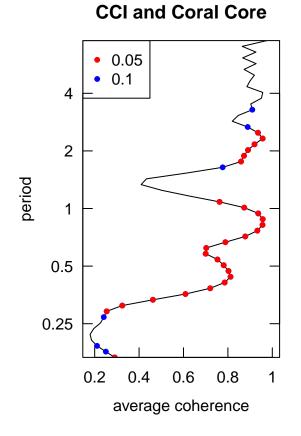
[Range of R Square values is from 0.320 to 0.668]

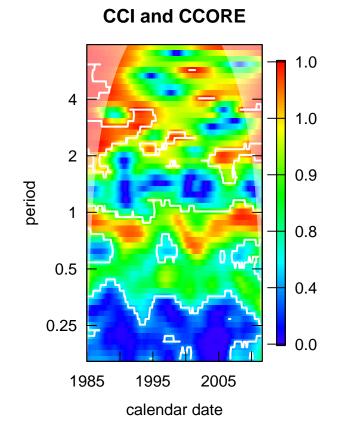
Frequency Analysis - Spectral Analysis of Time Series for  $\mathrm{Sr/Ca}$  Coral Proxy sites

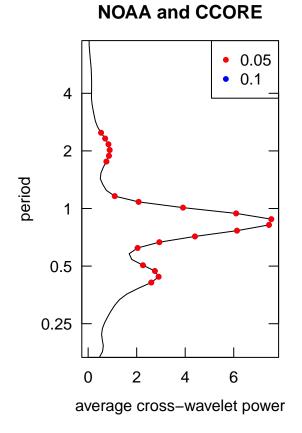
Monthly Coral Core Proxy Sites - Period of 1 represents 1 year

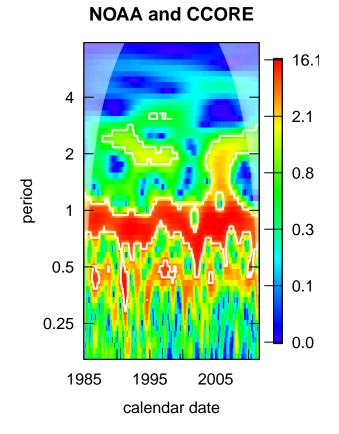
#### BRS05

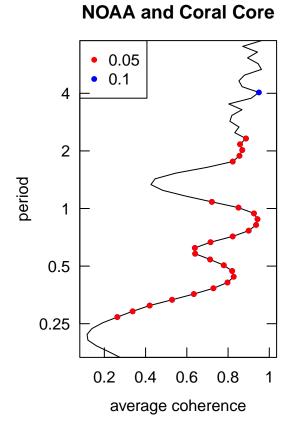


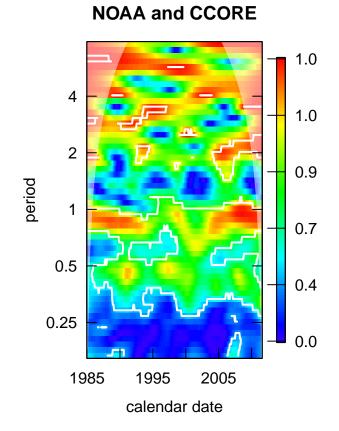


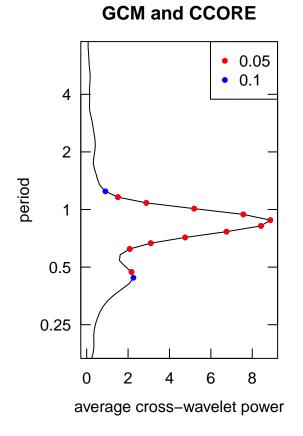


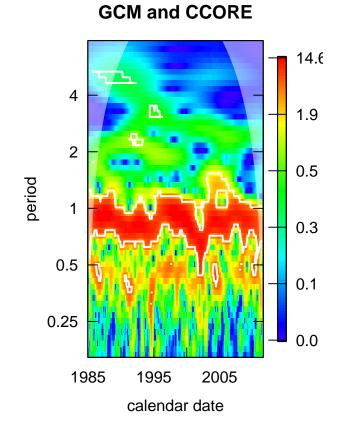


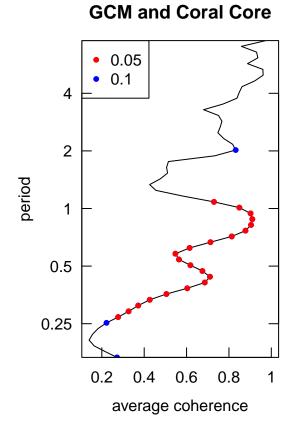


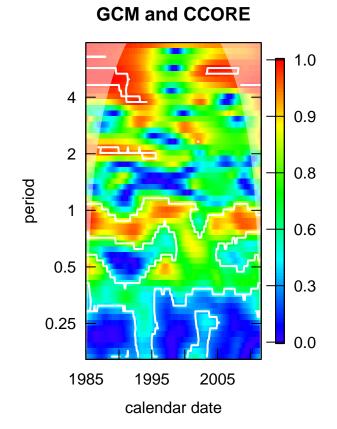


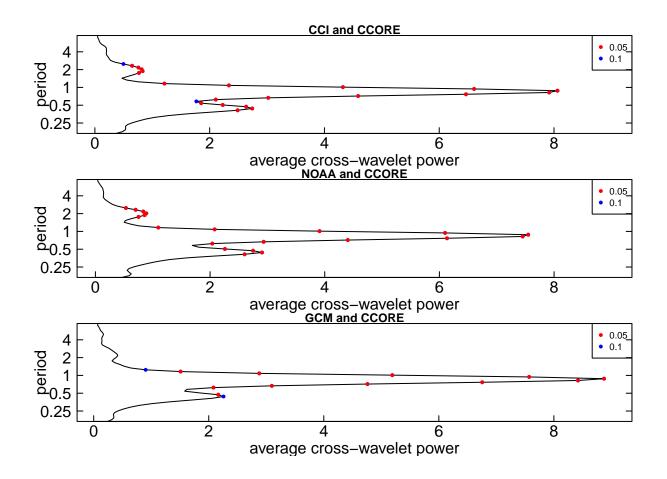


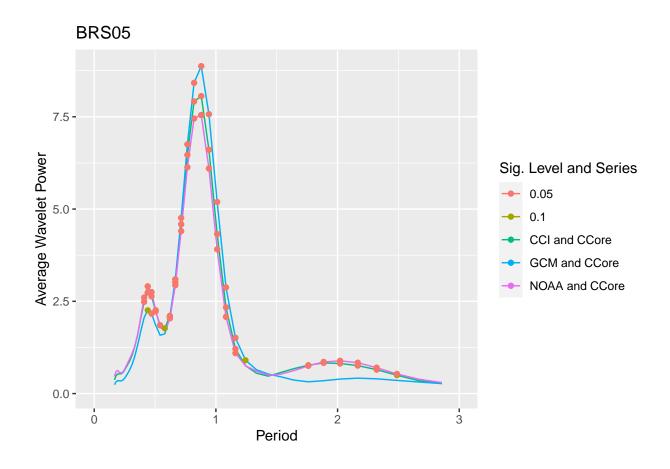




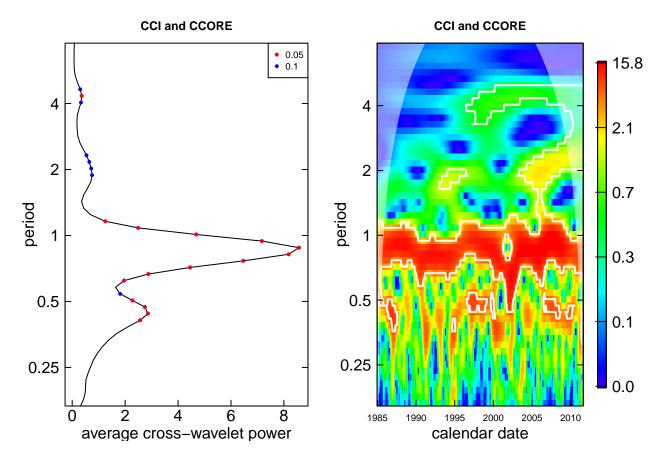


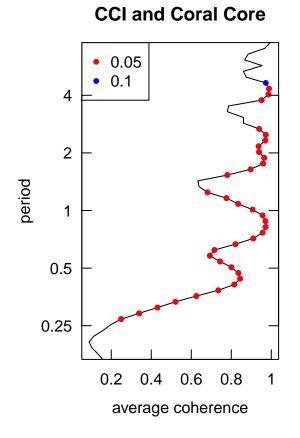


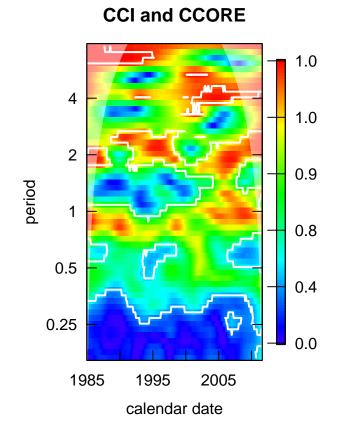


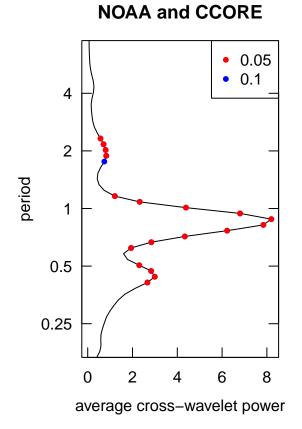


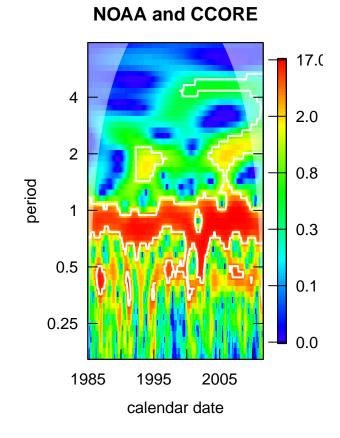
#### BRS07

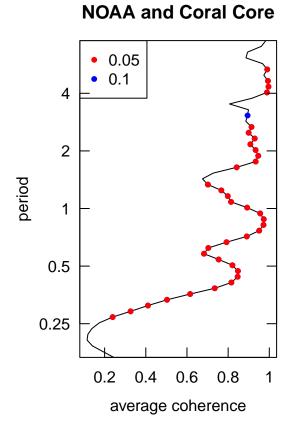


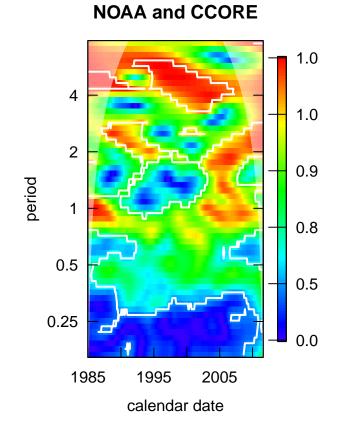


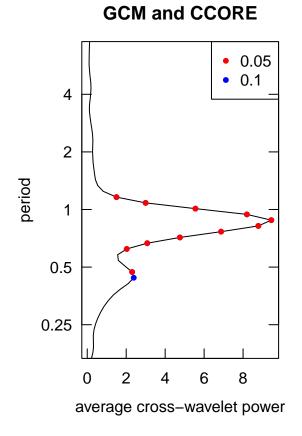


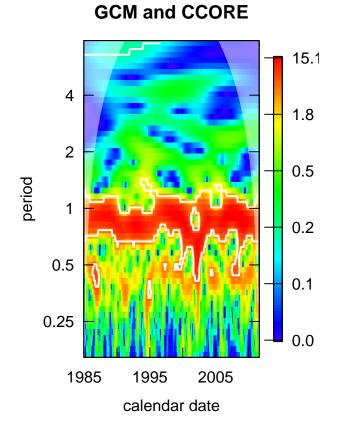


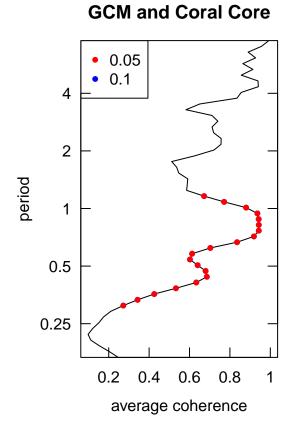


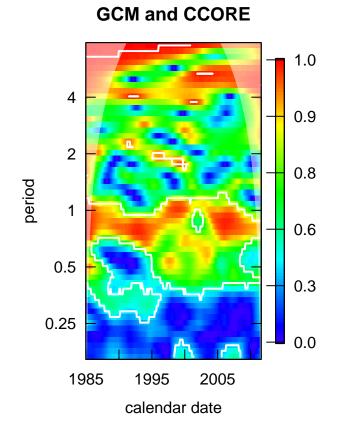


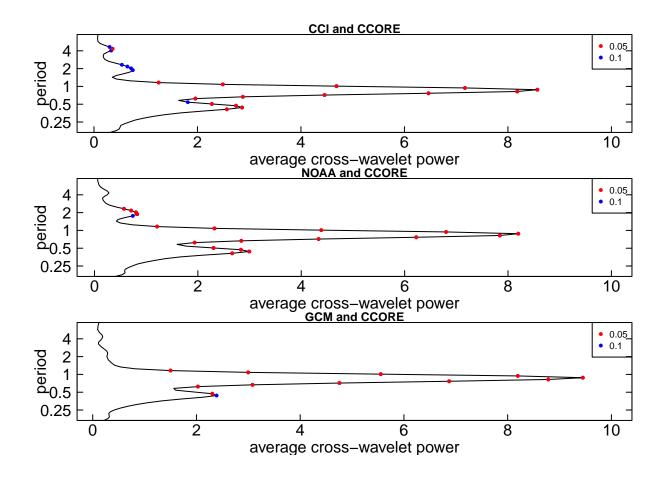


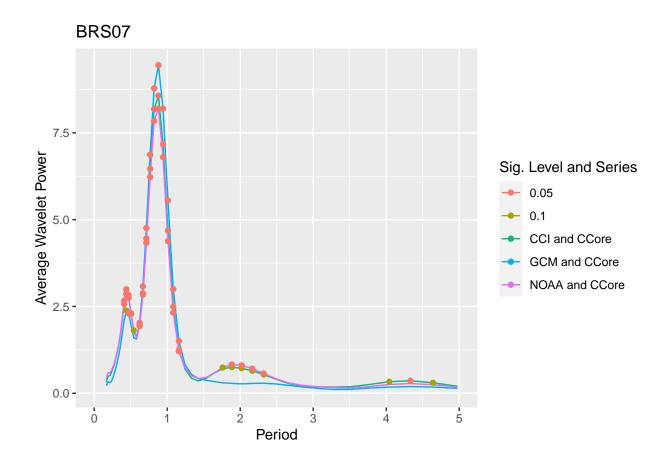




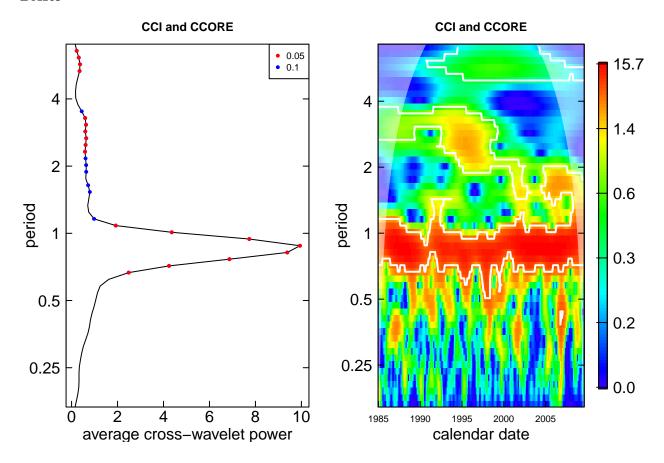


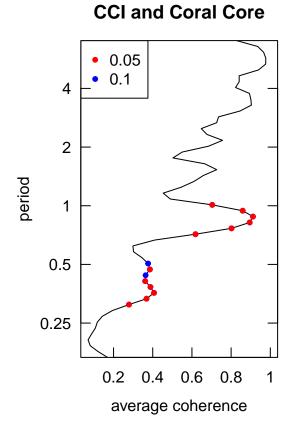


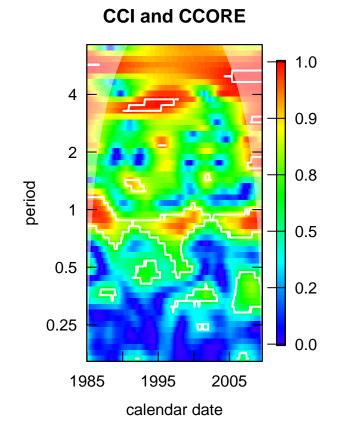


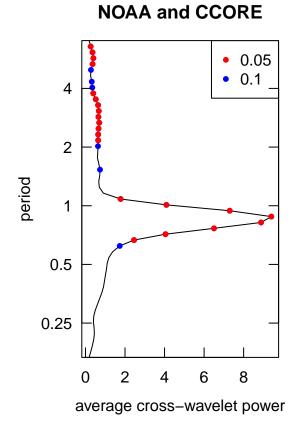


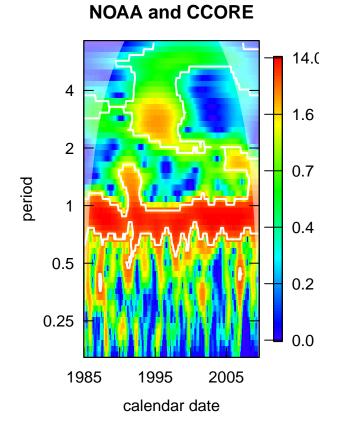
#### DAR3



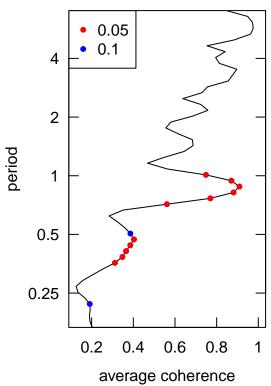




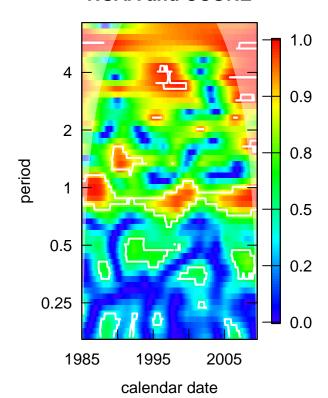


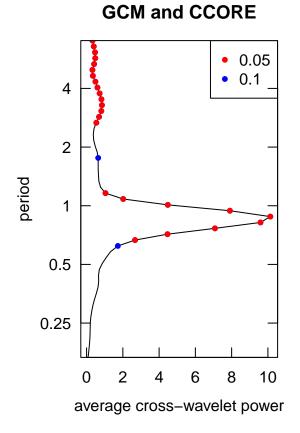


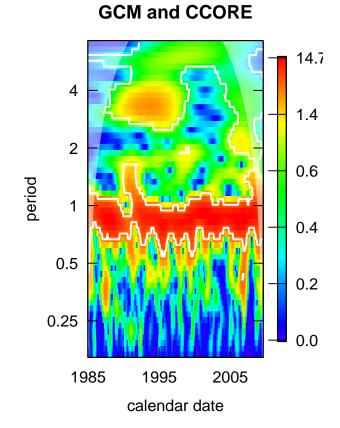


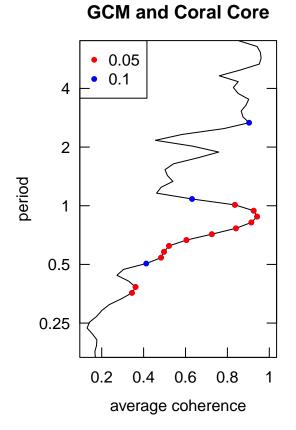


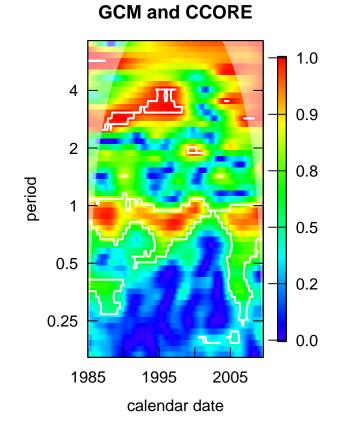
## **NOAA** and **CCORE**

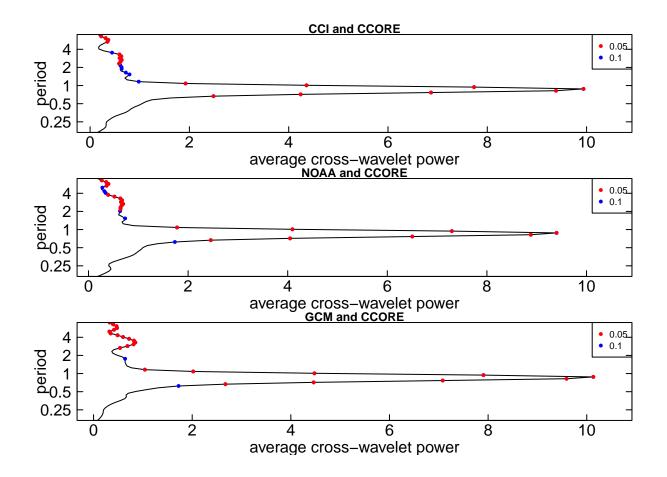


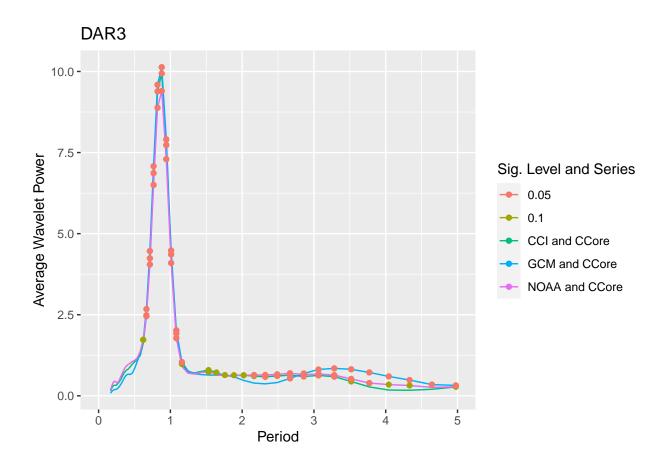




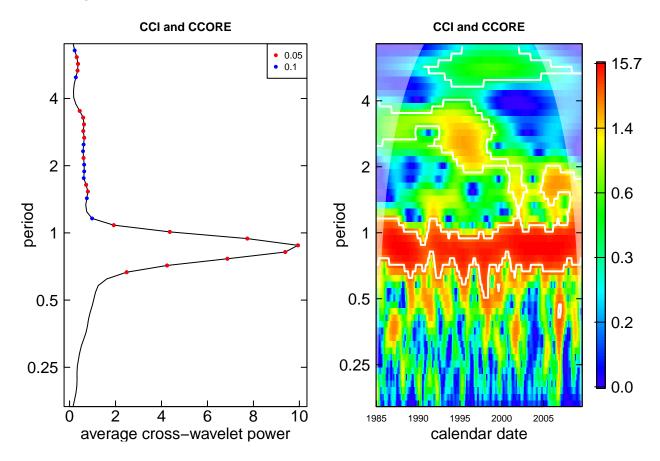


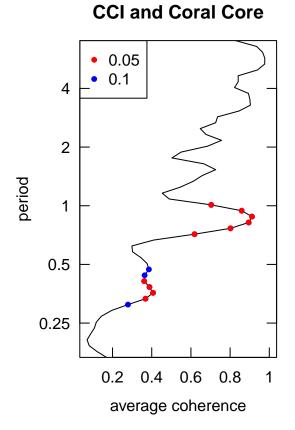


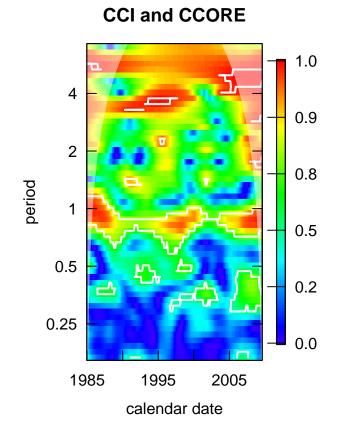


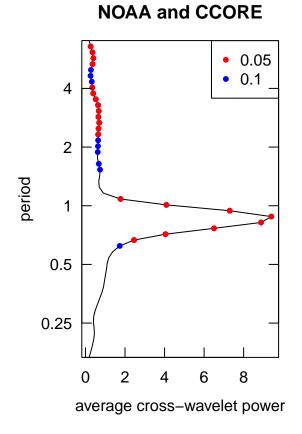


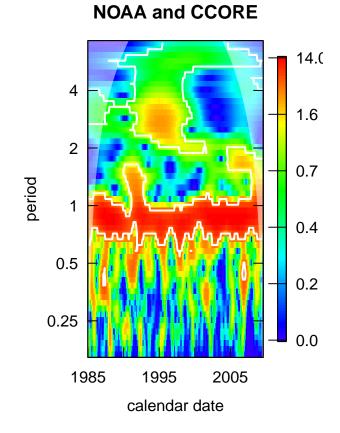
DAR Long

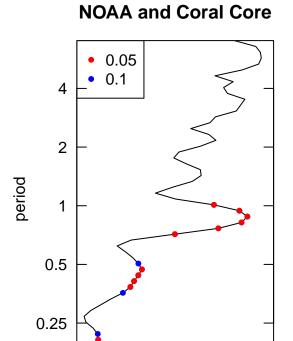












0.2

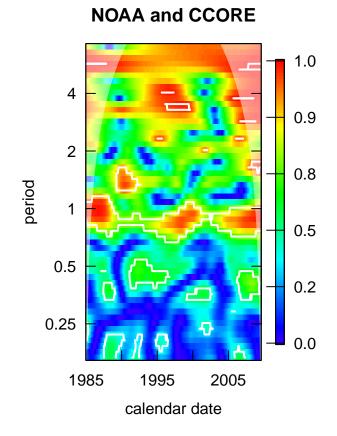
0.4

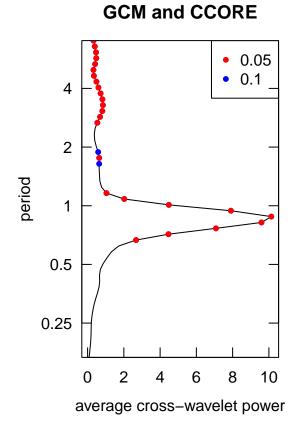
0.6

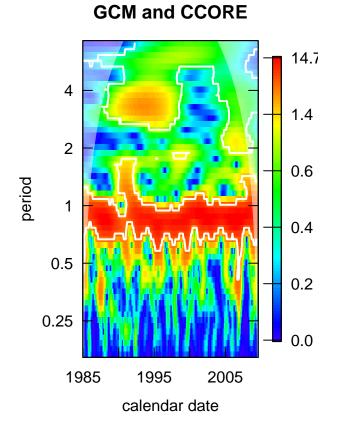
average coherence

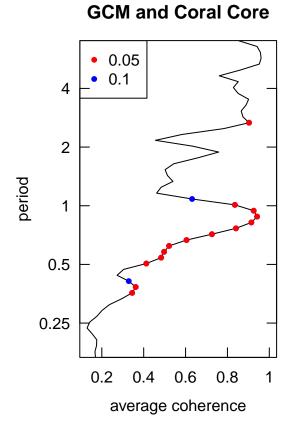
8.0

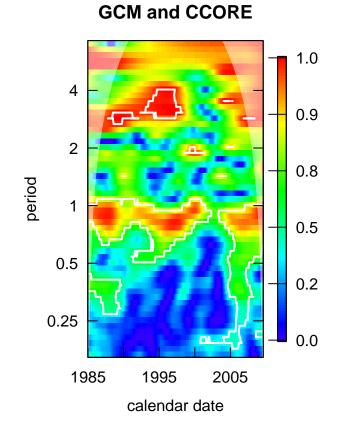
1

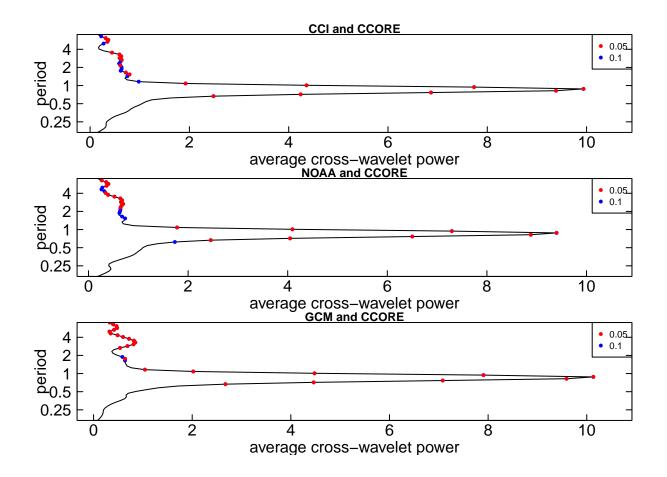


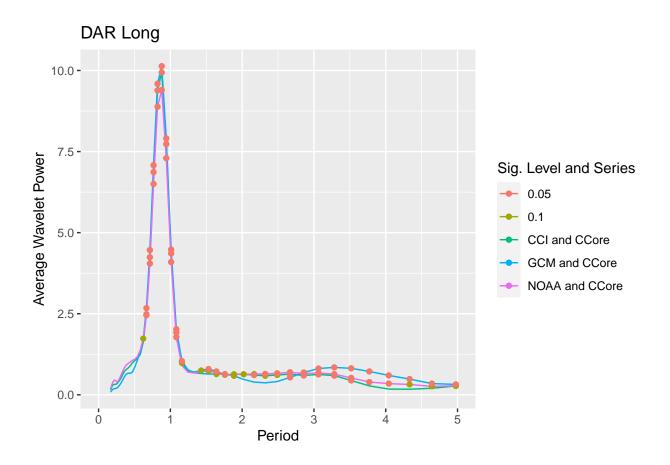




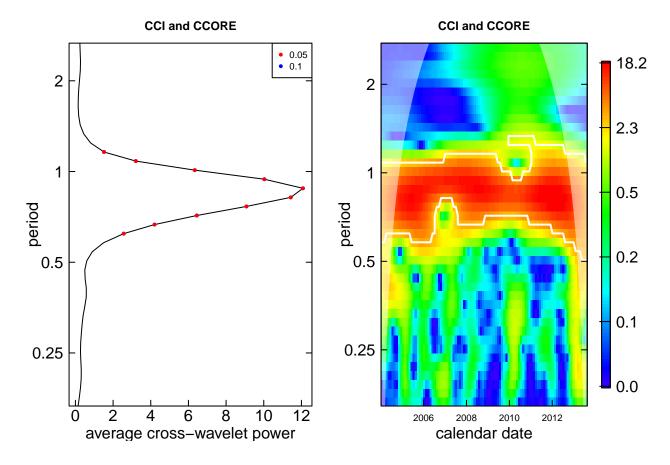


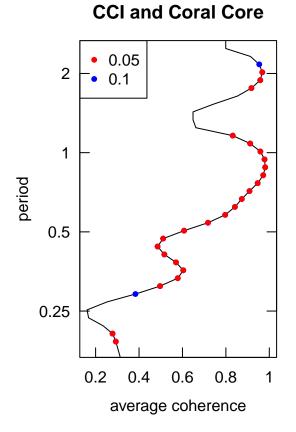


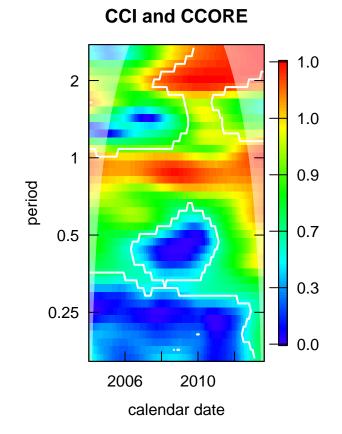




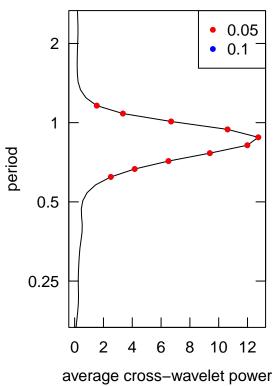
#### Tantabiddi 13TNT



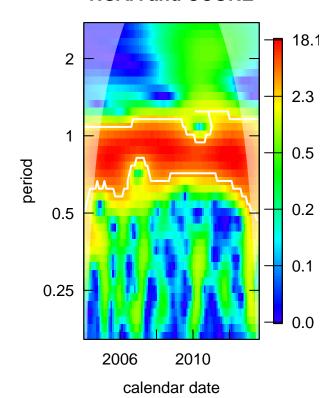




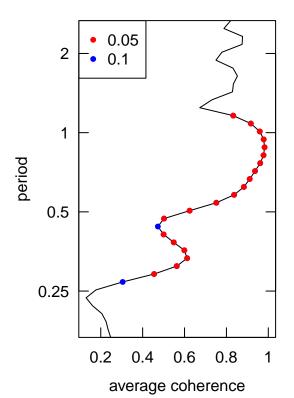




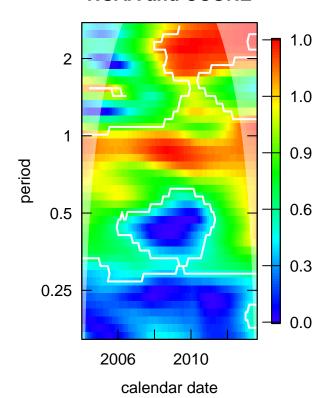
# **NOAA** and **CCORE**

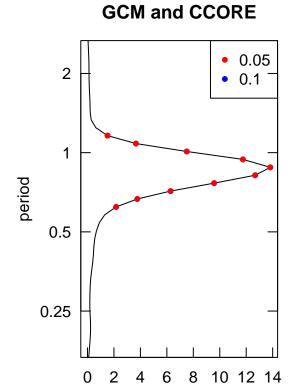




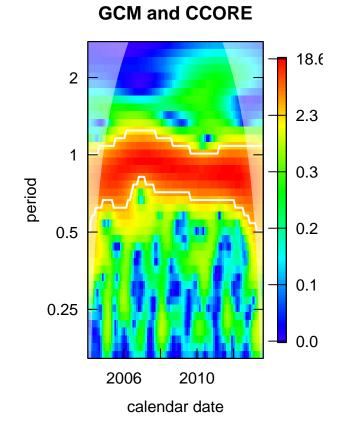


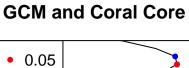
# **NOAA** and **CCORE**

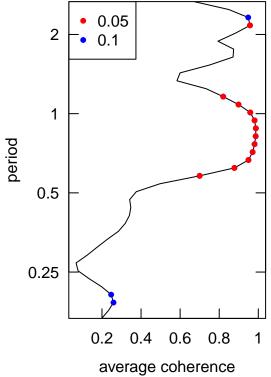




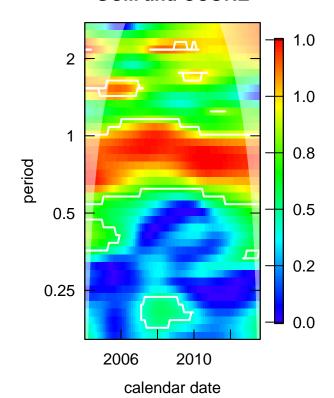
average cross-wavelet power

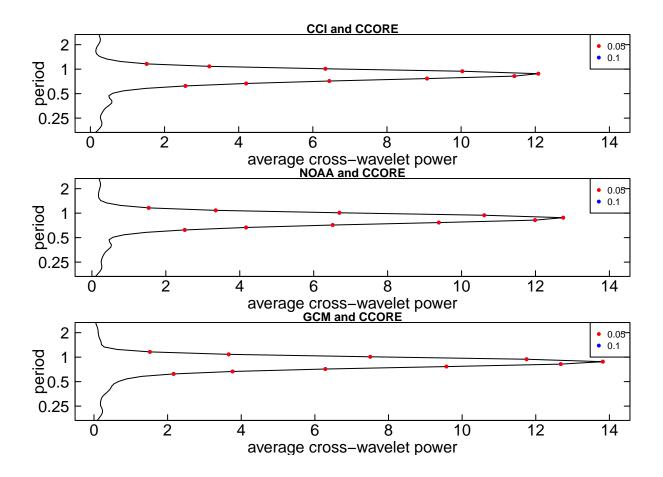


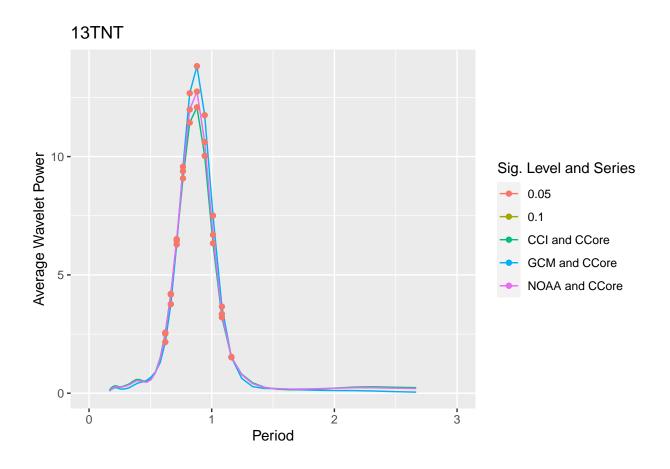




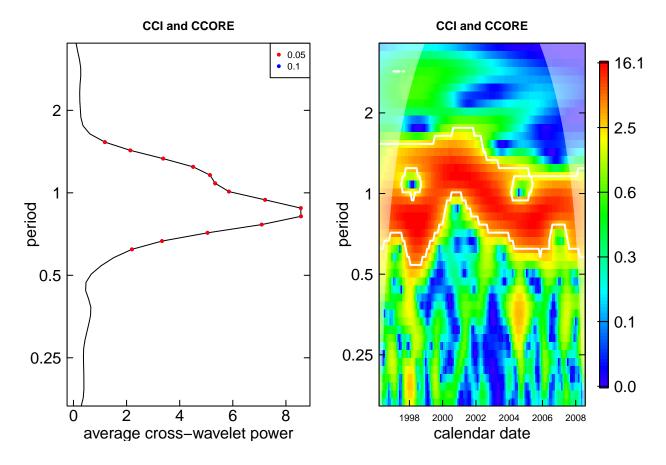
# **GCM and CCORE**

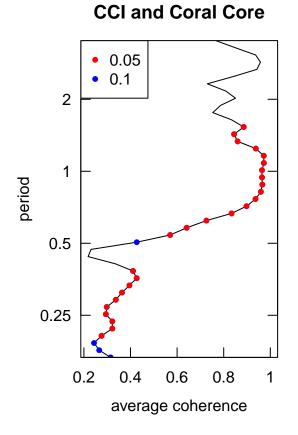


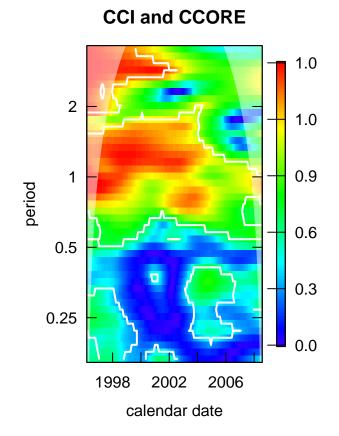


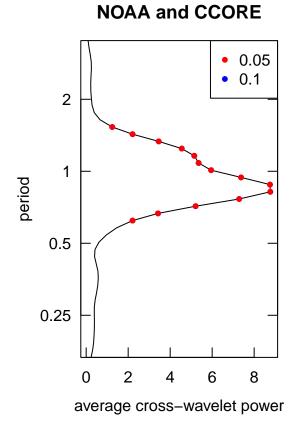


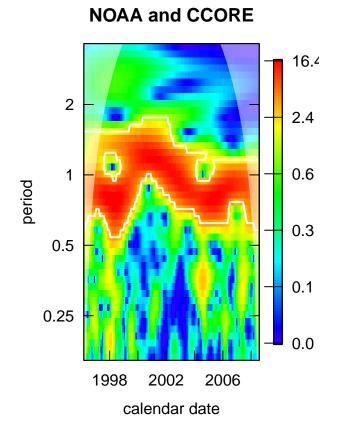
#### Tantabiddi 08TNT

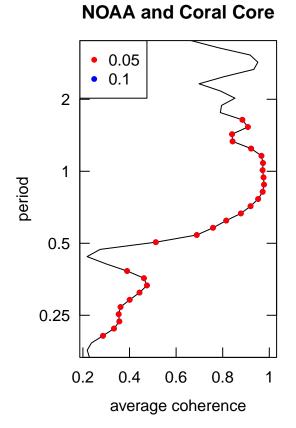


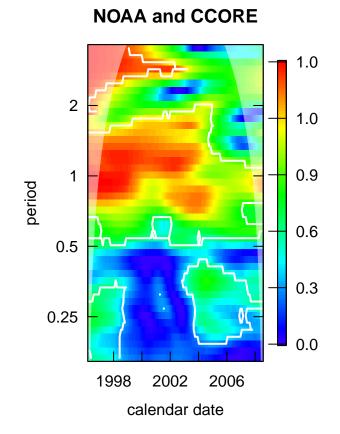


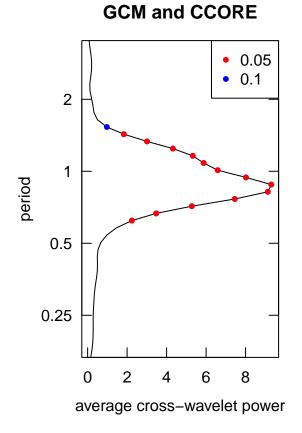


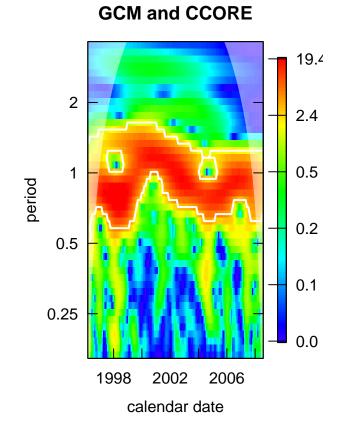


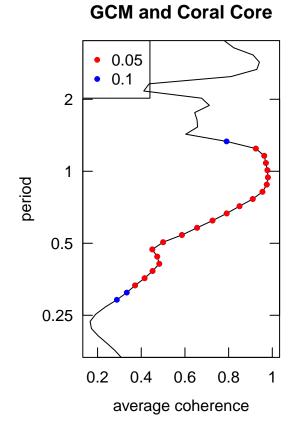


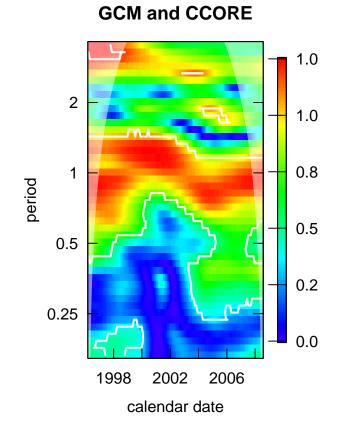


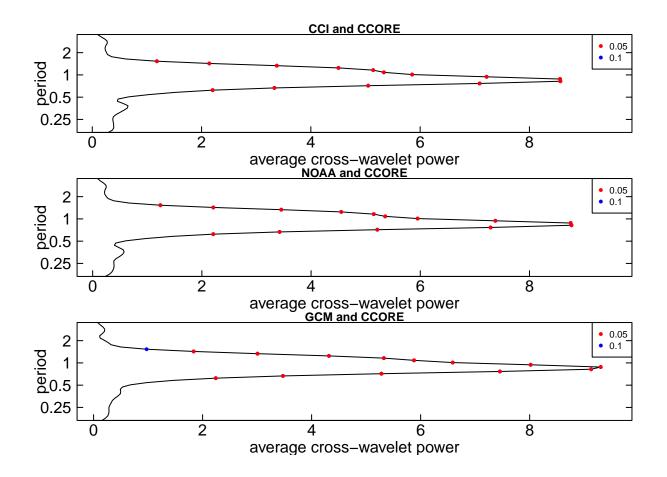


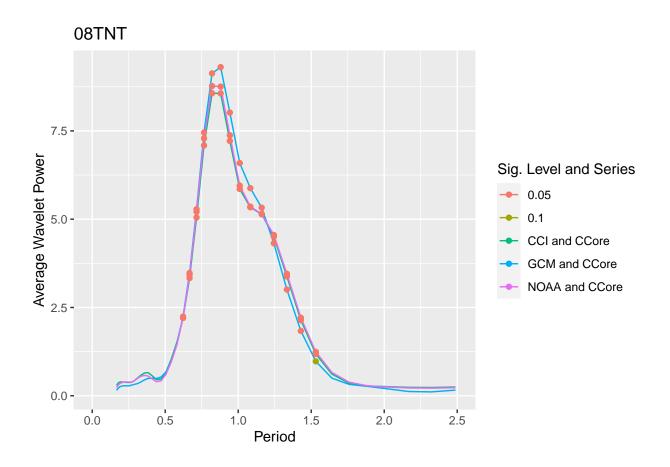




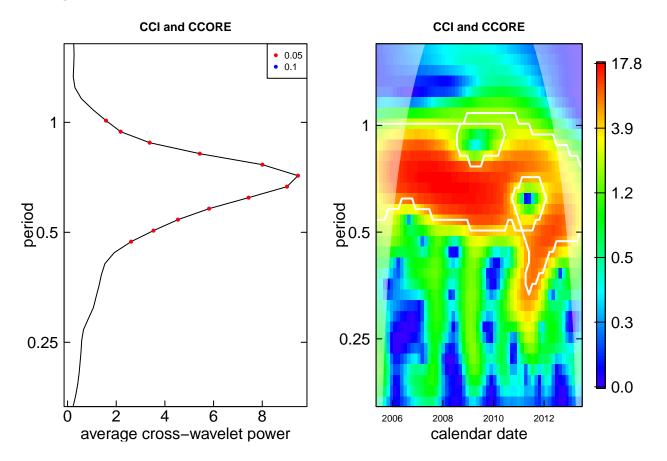




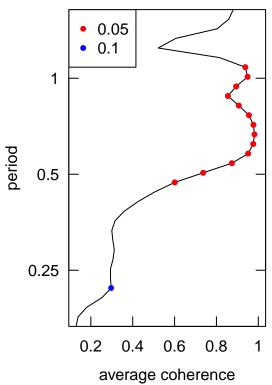




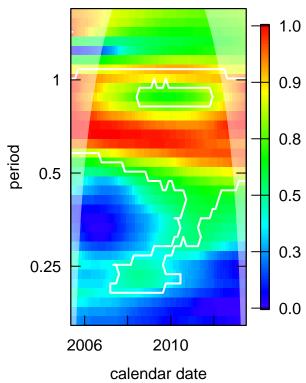
## Bundegi 13BND

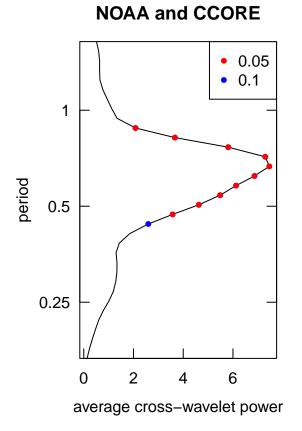


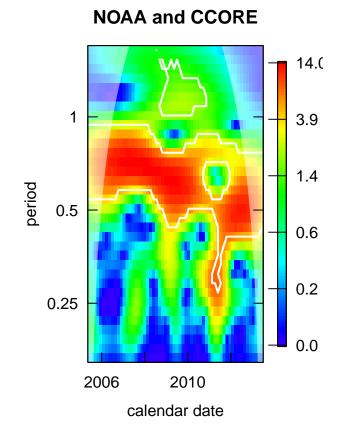


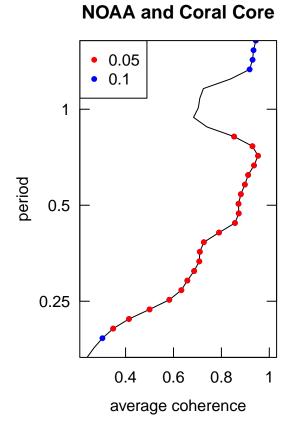


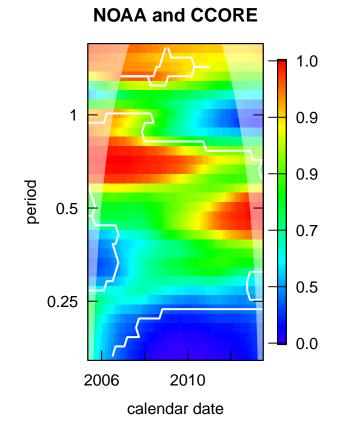
# CCI and CCORE

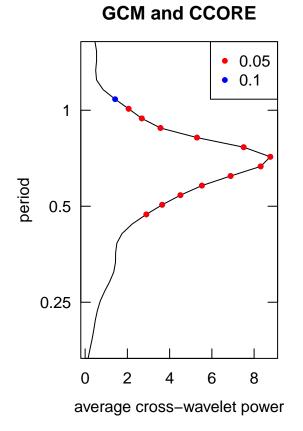


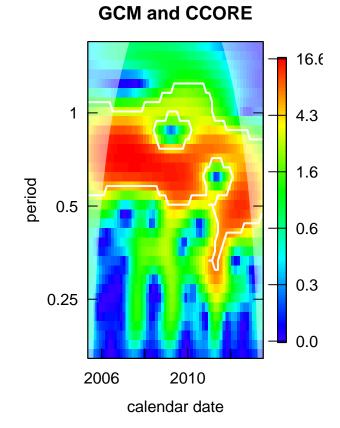


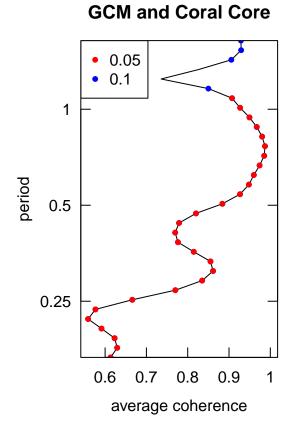


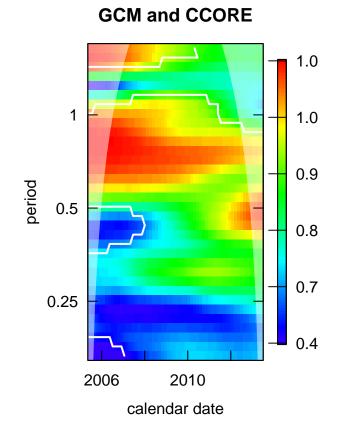


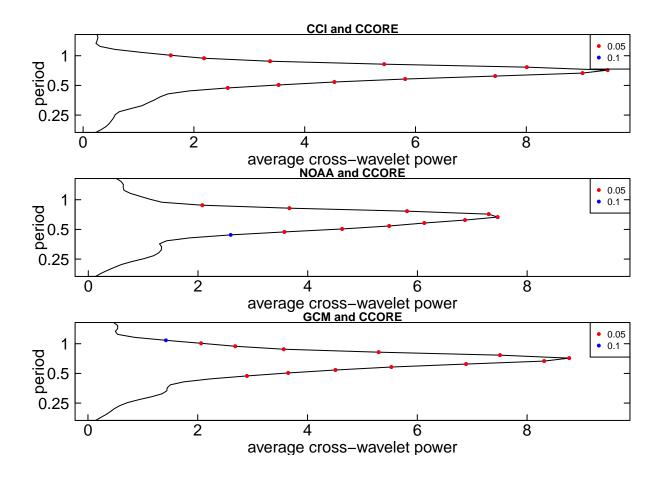


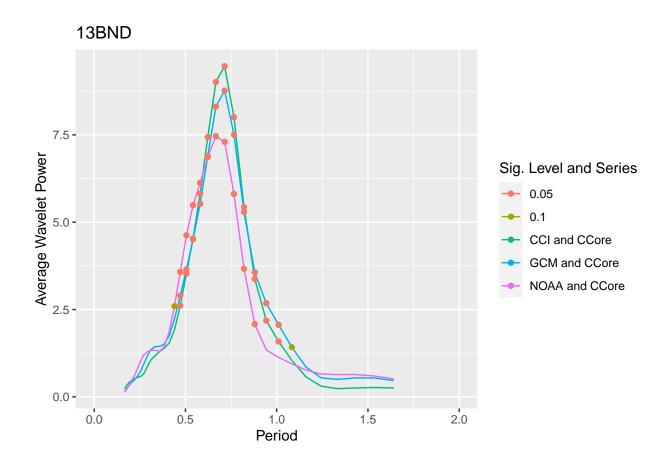




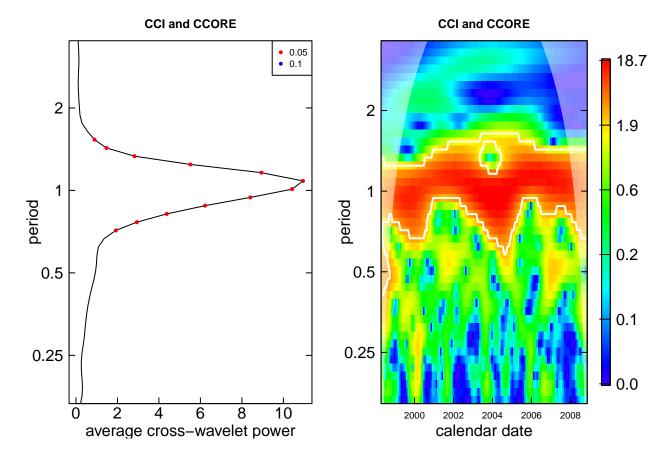


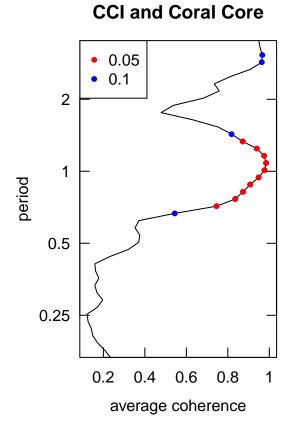


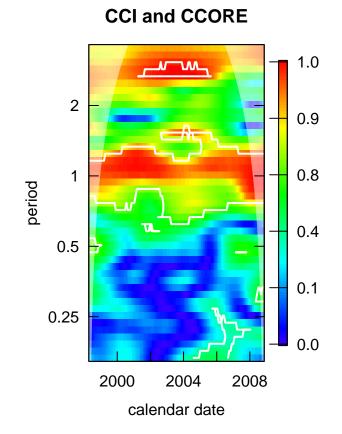


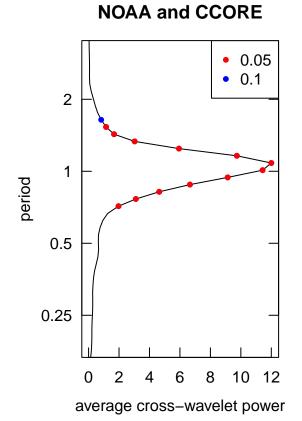


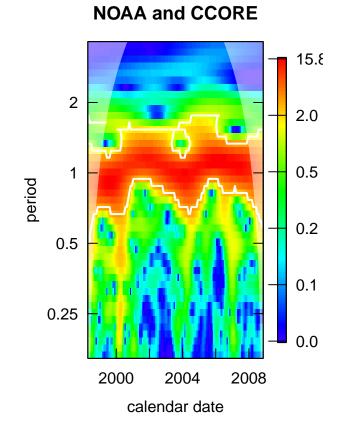
## Bundegi 08BND

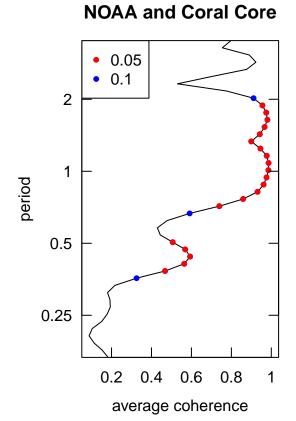


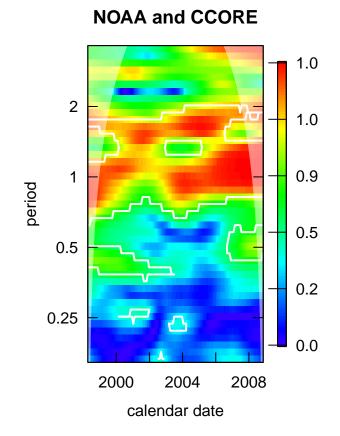


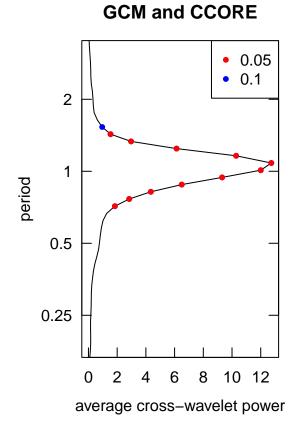


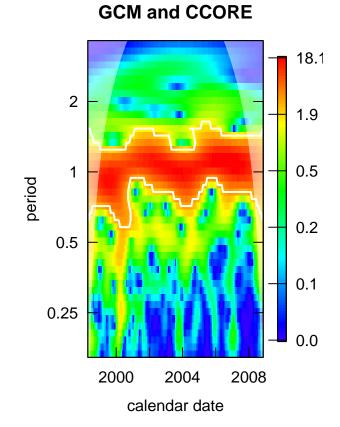


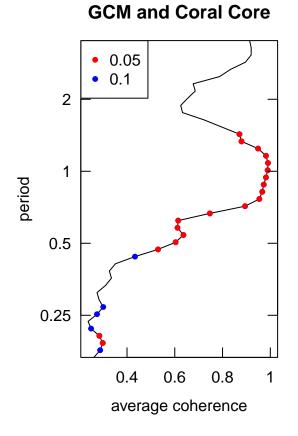


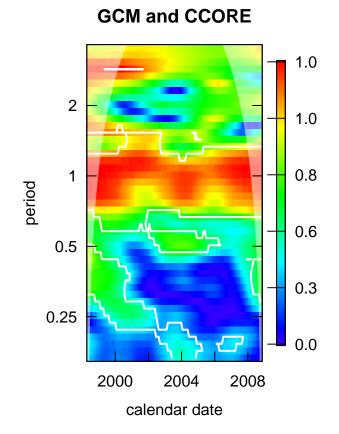


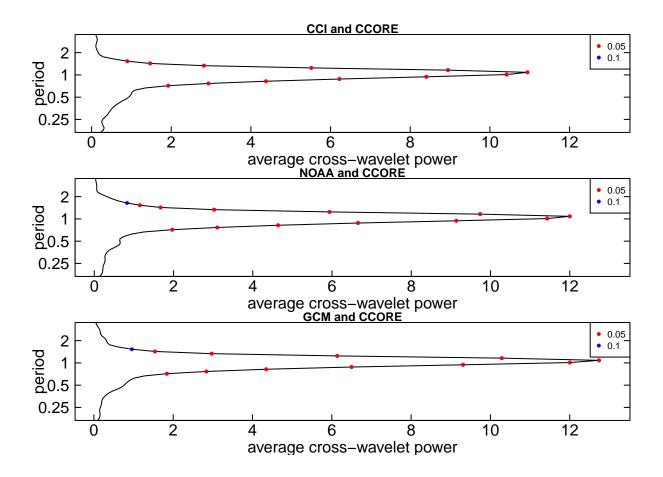


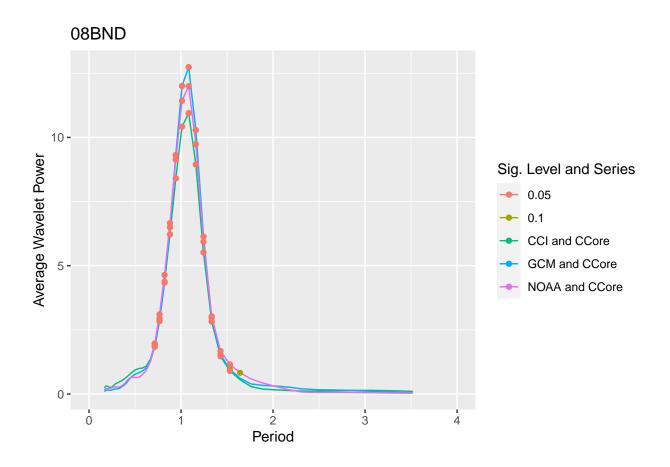






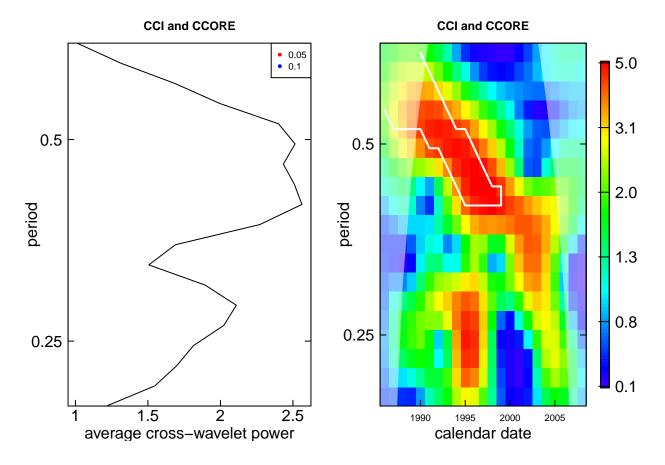


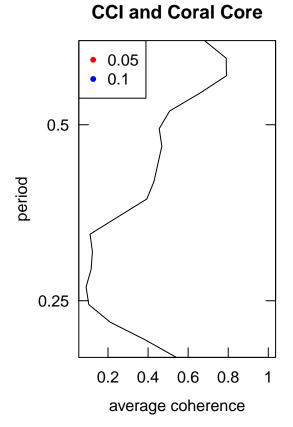


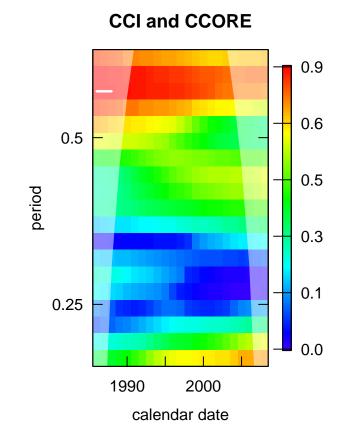


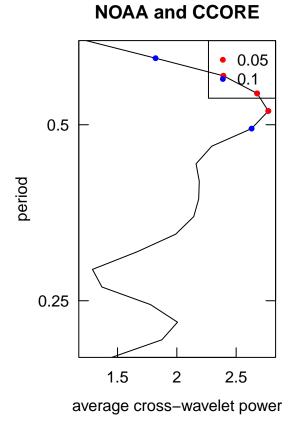
Annual Coral Core Proxy Sites - Period of one represents  $10~{\rm years}$ 

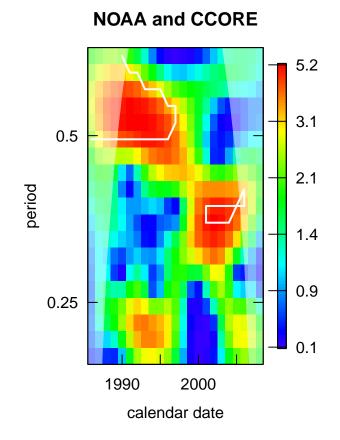
### TNT07C



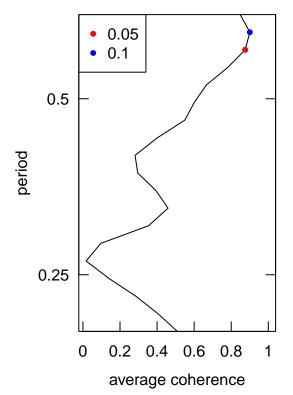




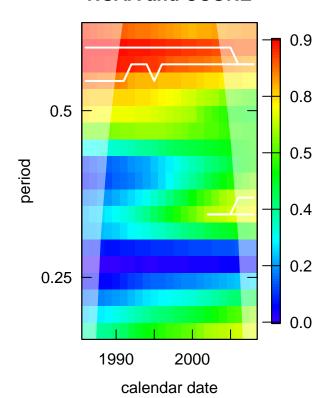


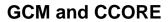


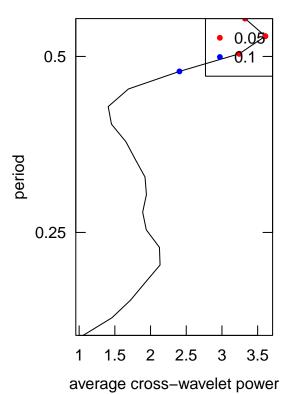




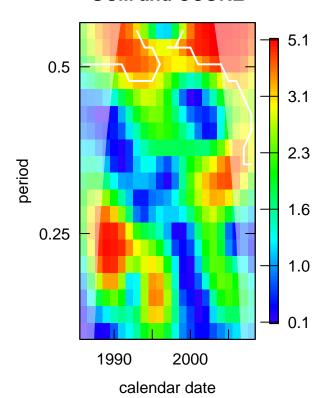
### **NOAA** and **CCORE**



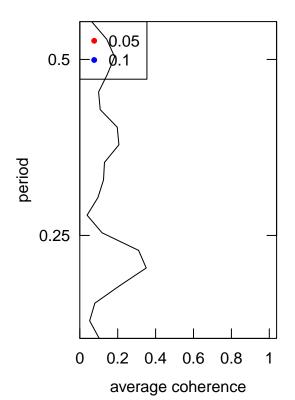




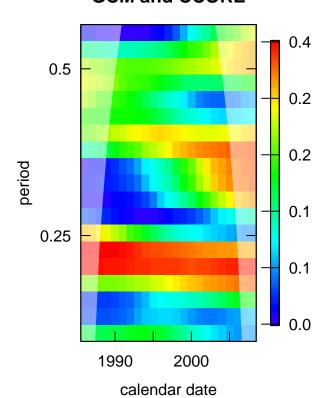
# **GCM and CCORE**

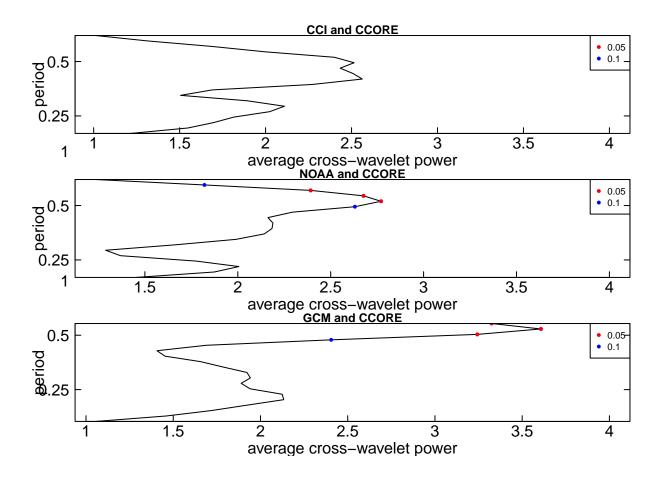


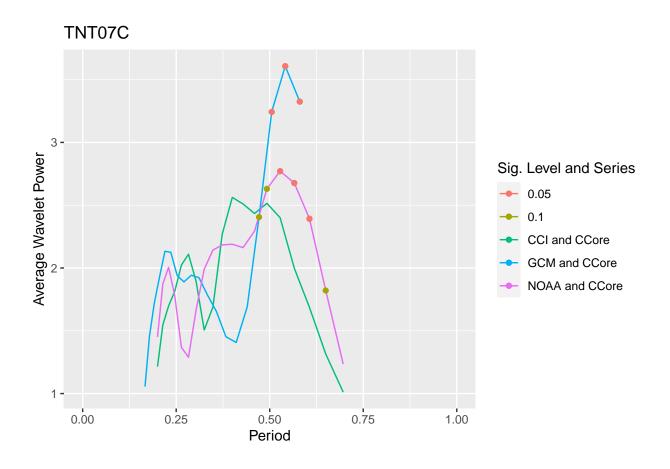




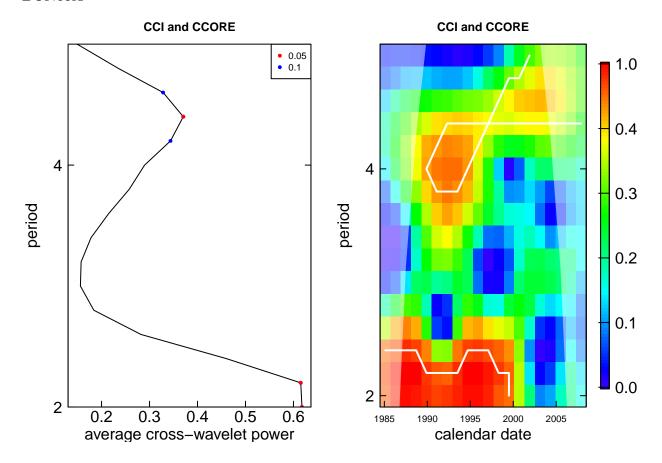
# **GCM and CCORE**

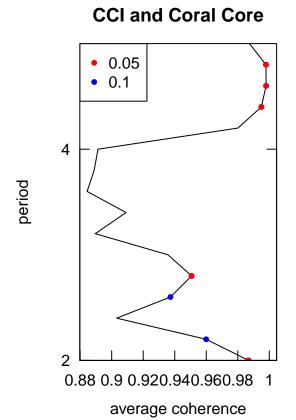


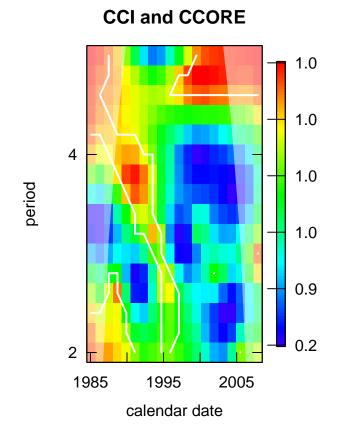


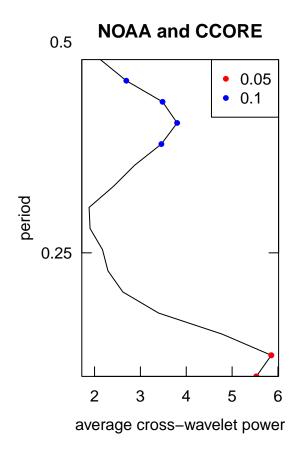


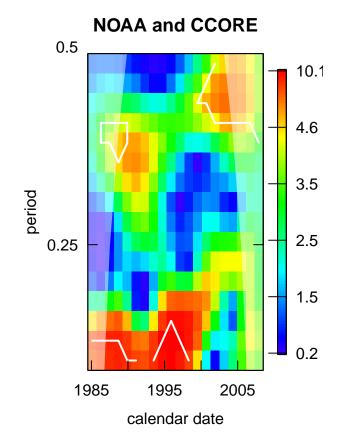
#### BUN05A

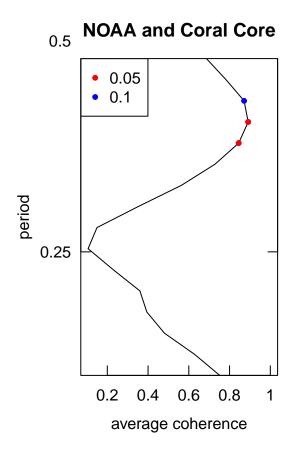


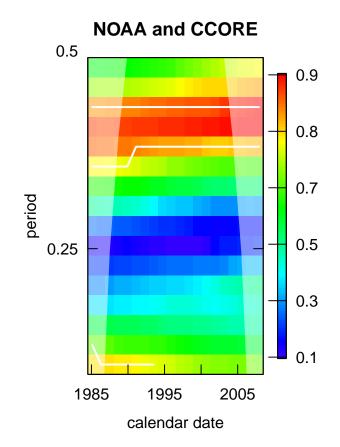


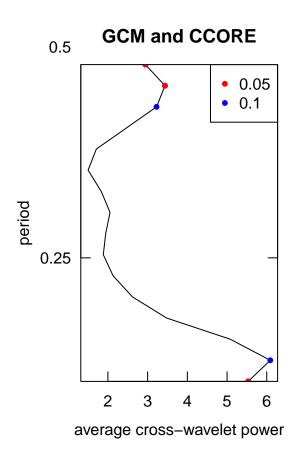


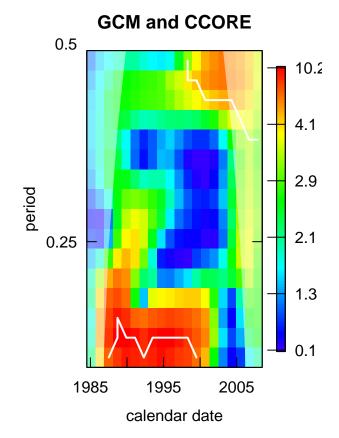


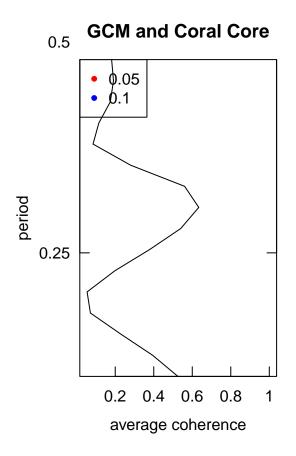


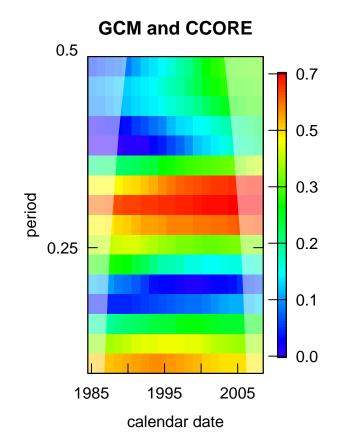


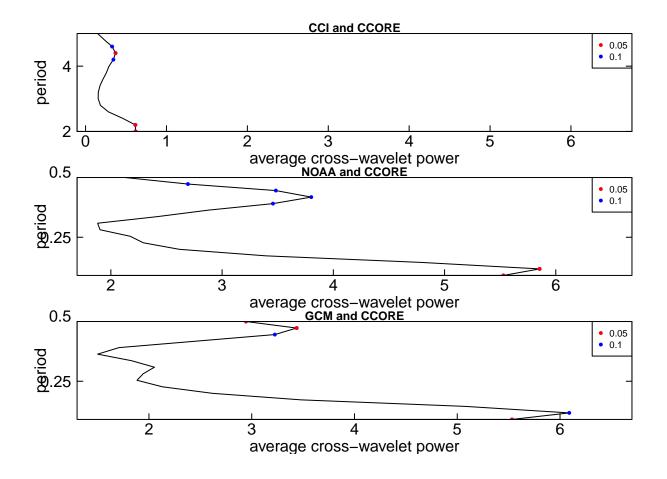


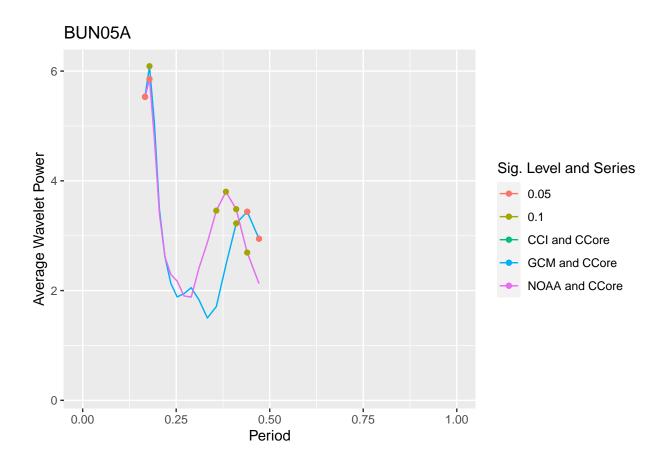




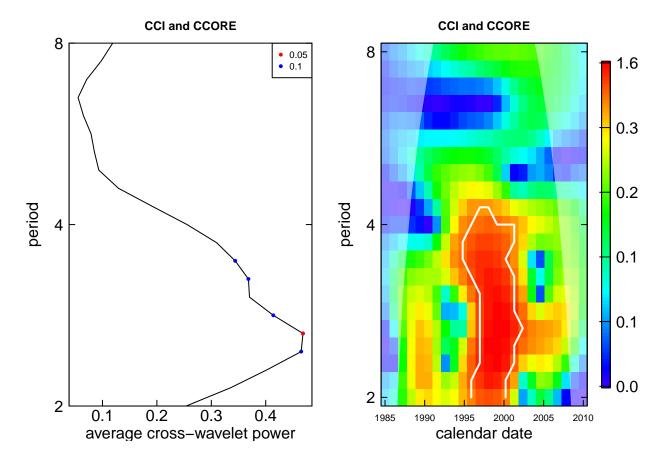


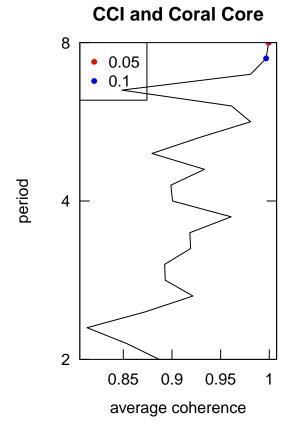


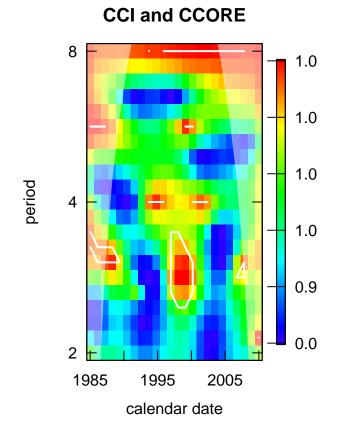




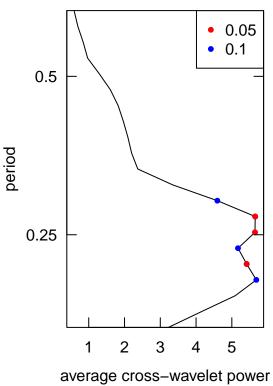
#### HAB05B



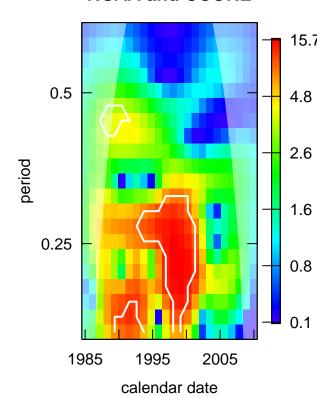




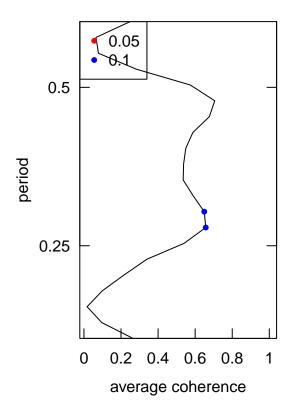




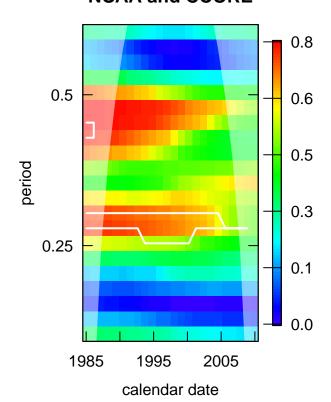
# **NOAA** and **CCORE**

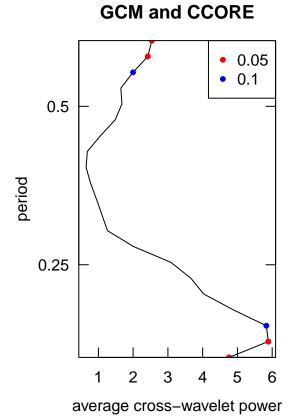


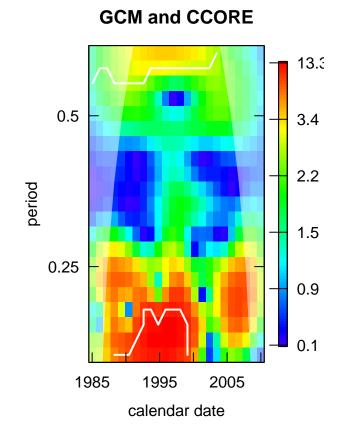


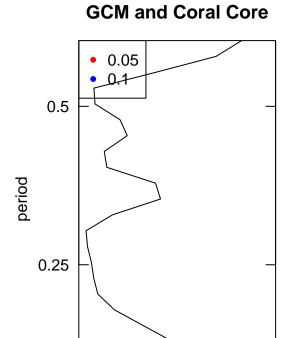


# **NOAA** and **CCORE**









0.2 0.4 0.6 0.8

average coherence

0

1

