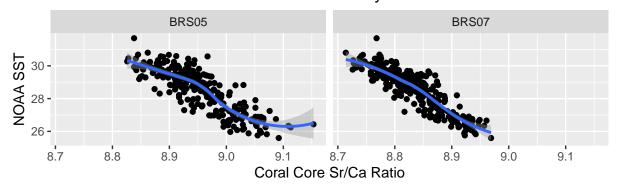
# Coral Core Calibration and Frequency Analysis

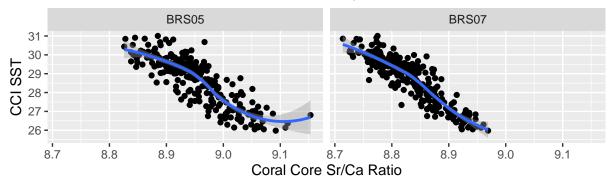
Vanessa Hui Fen Neo

2022-02-22

#### Browse Island NOAA SST and Sr/Ca Proxy



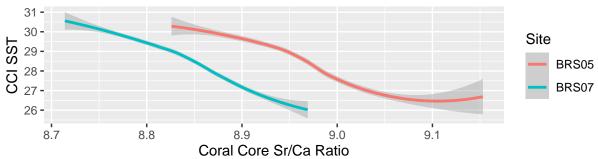
## Browse Island CCI SST and Sr/Ca Proxy



## Browse Island NOAA SST and Sr/Ca Proxy

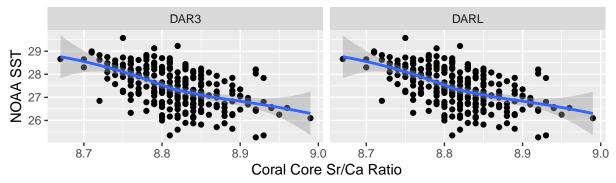


## Browse Island CCI SST and Sr/Ca Proxy

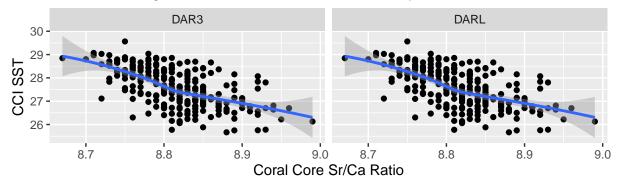


[Range of R Square values is from 0.568 to 0.622]

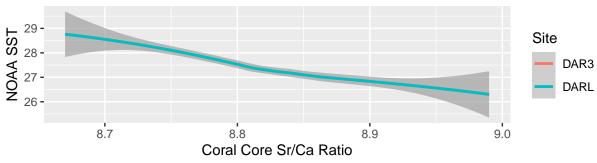
## Cocos Keeling Island NOAA SST and Sr/Ca Proxy



# Cocos Keeling Island CCI SST and Sr/Ca Proxy

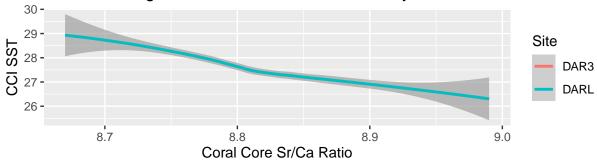


## Cocos Keeling Island NOAA SST and Sr/Ca Proxy



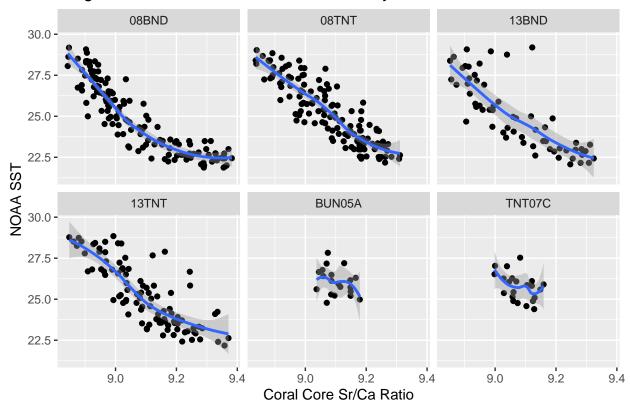
[R Square values for both sites are 0.188]

## Cocos Keeling Island CCI SST and Sr/Ca Proxy

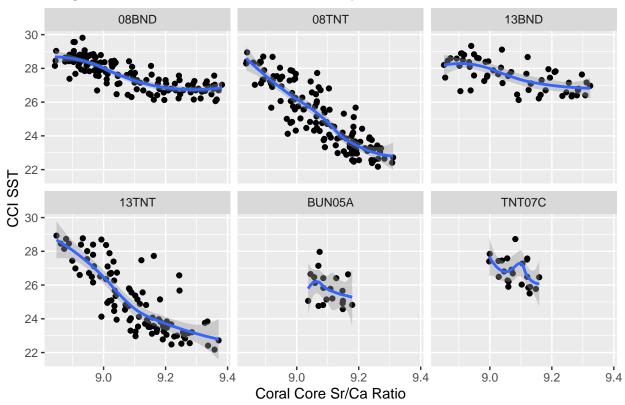


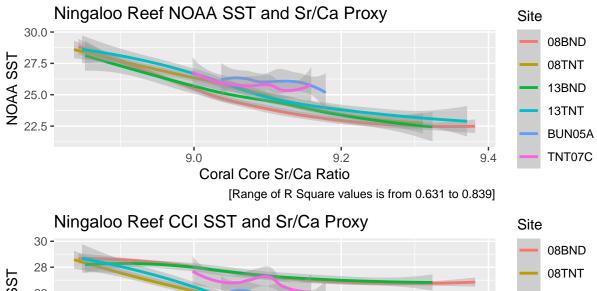
[R Square values for both sites are 0.244]

# Ningaloo Reef NOAA SST and Sr/Ca Proxy



# Ningaloo Reef CCI SST and Sr/Ca Proxy



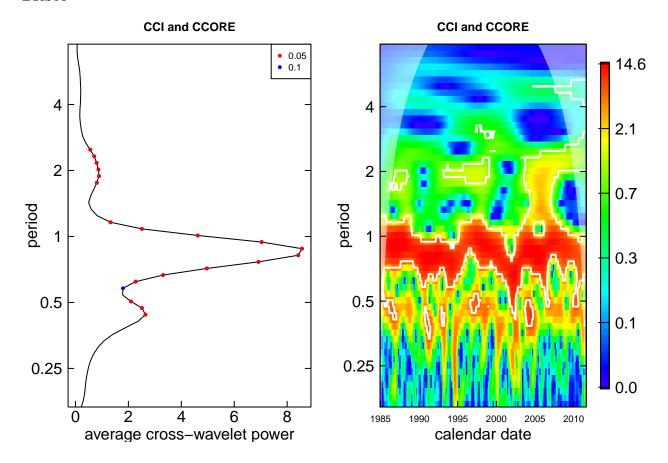


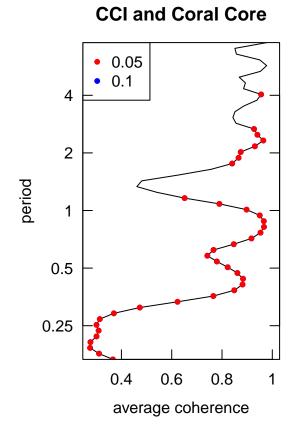
30 - 08BND 08TNT 13BND 13TNT BUN05A TNT07C Coral Core Sr/Ca Ratio

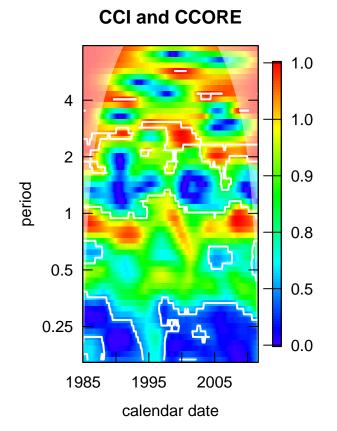
Frequency Analysis - Spectral Analysis of Time Series for  $\mathrm{Sr/Ca}$  Coral Proxy sites

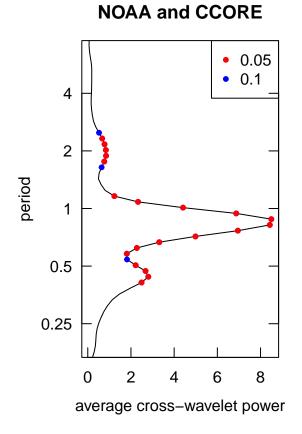
Monthly Coral Core Proxy Sites - Period of 1 represents 1 year

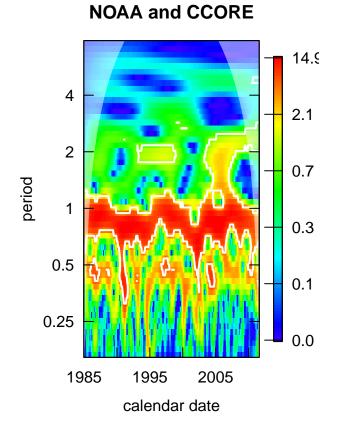
#### BRS05

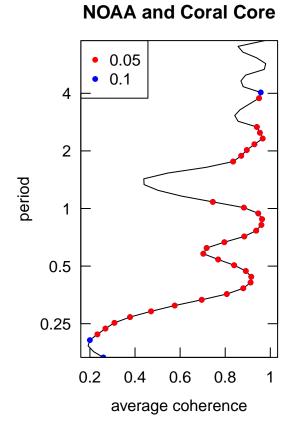


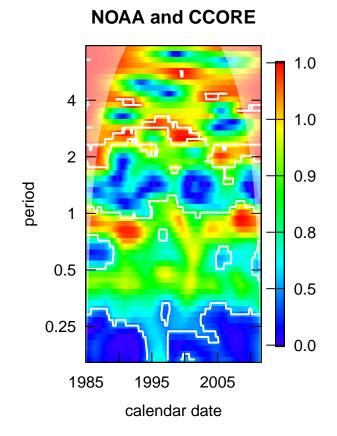


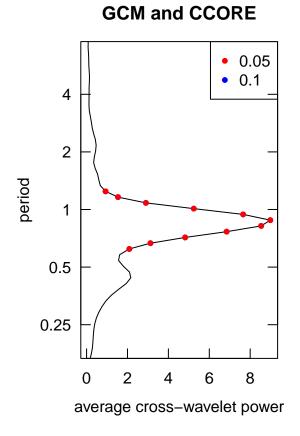


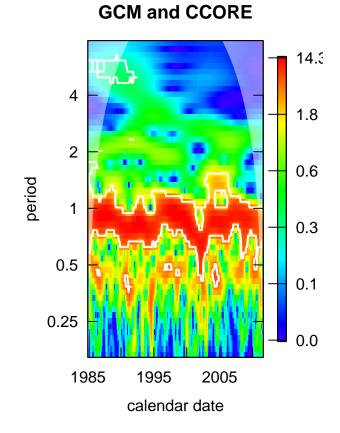


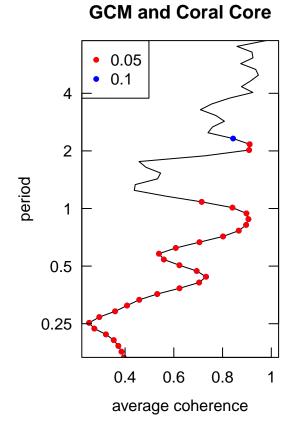


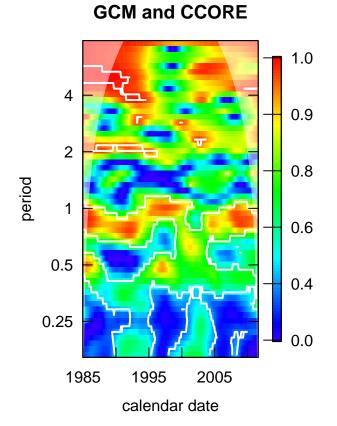


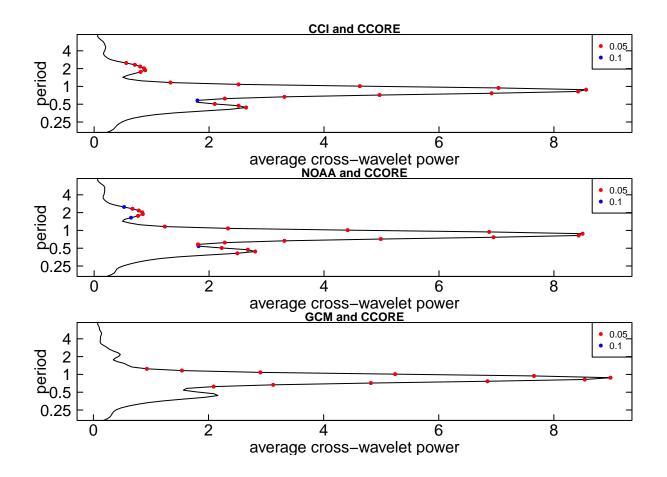




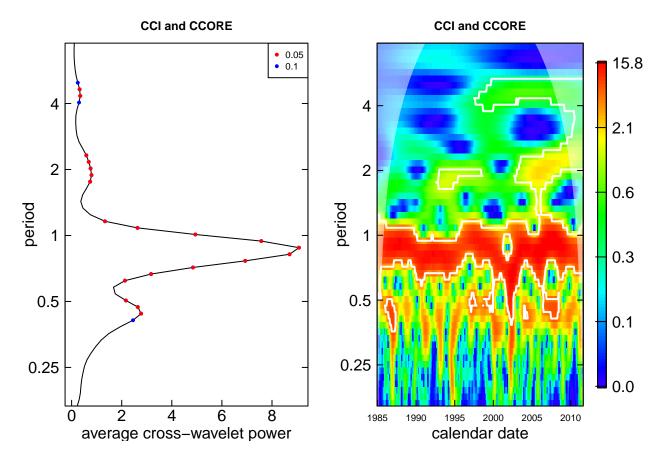


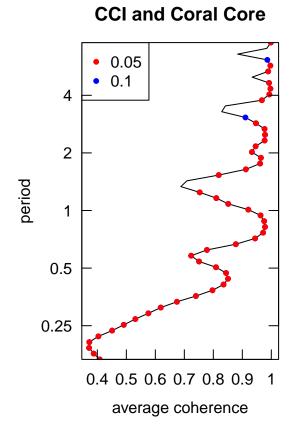


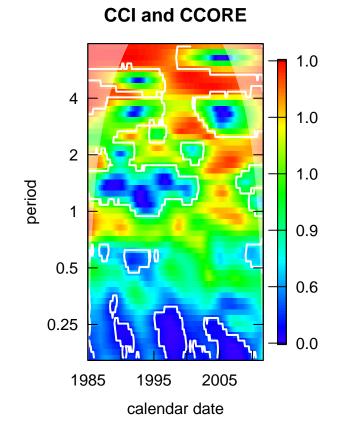


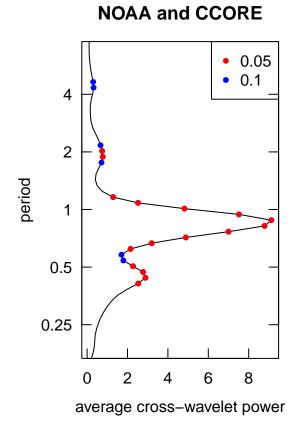


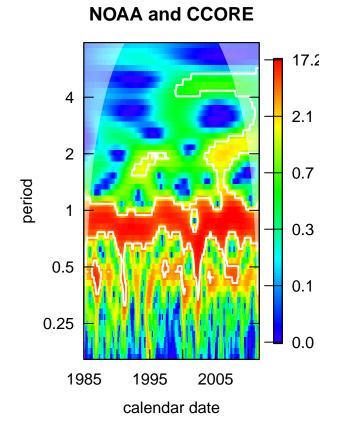
#### BRS07

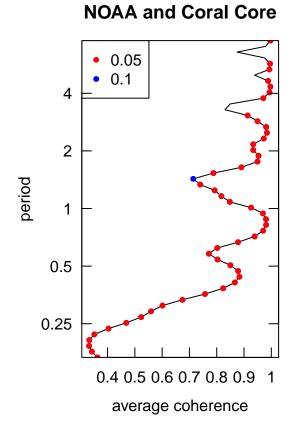


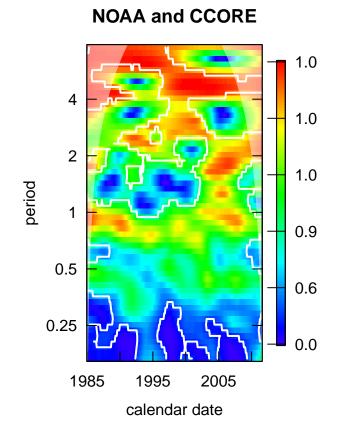


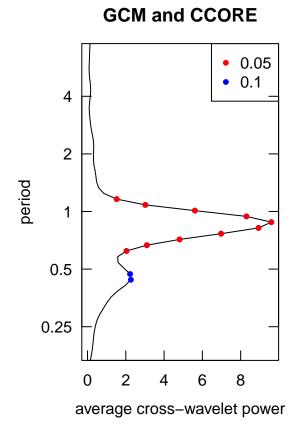


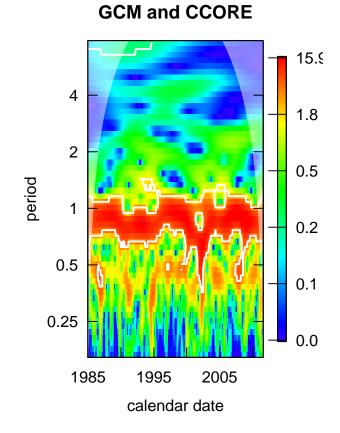


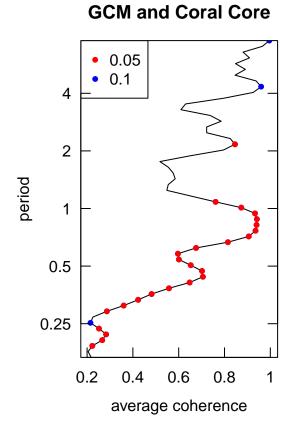


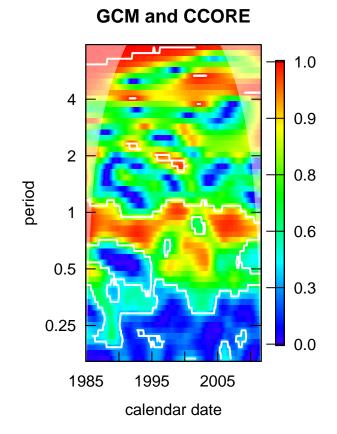


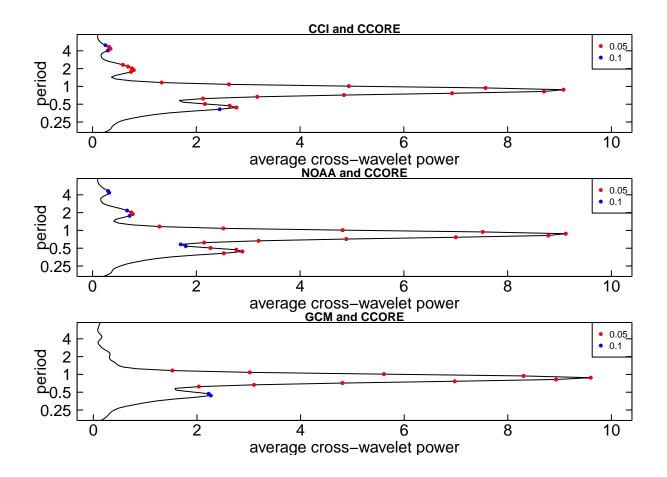




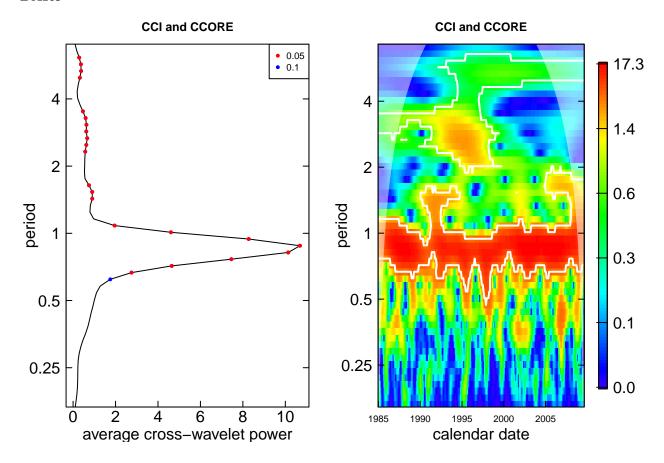


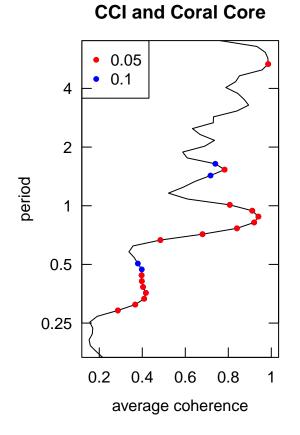


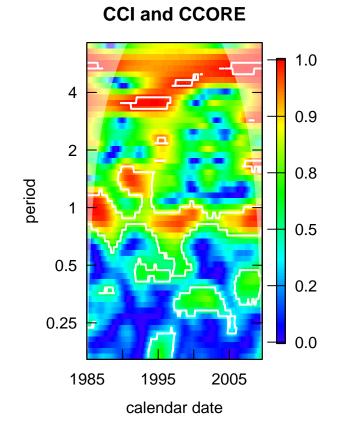


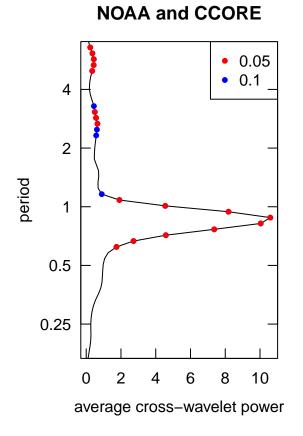


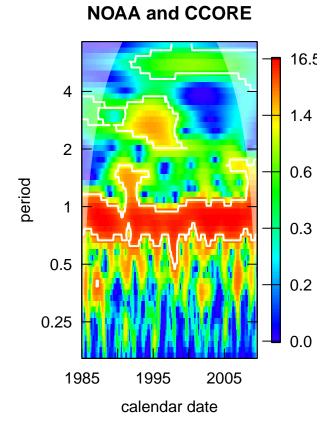
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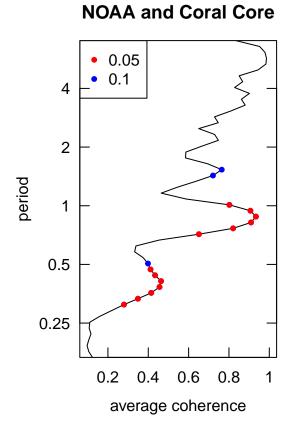


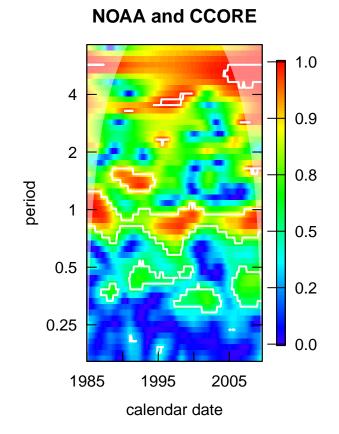


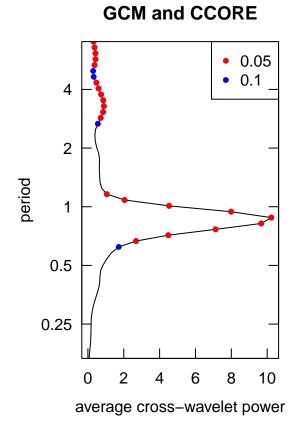


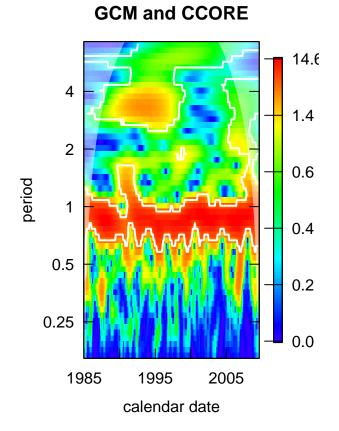


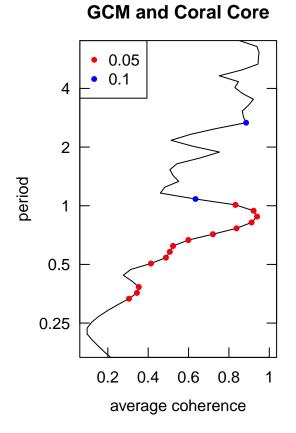


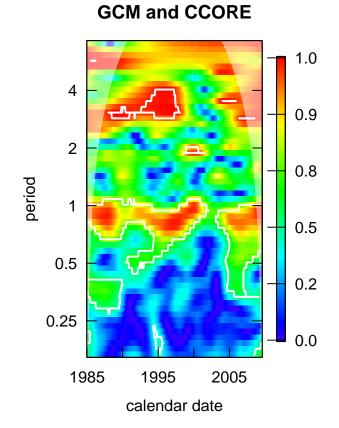


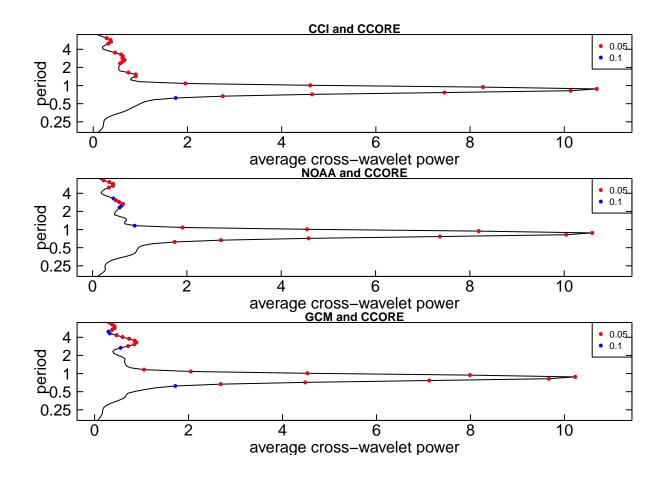




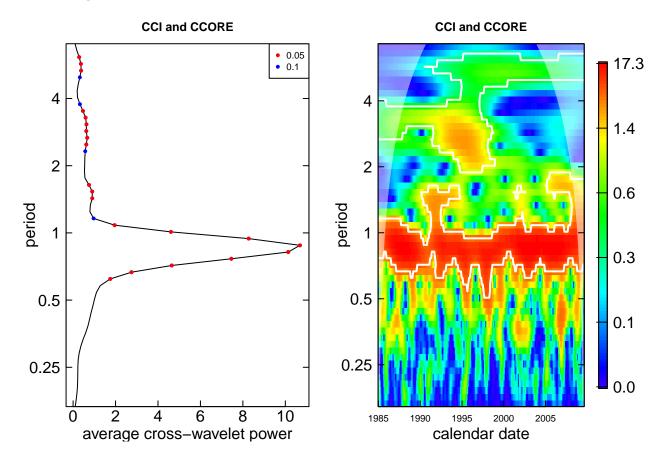


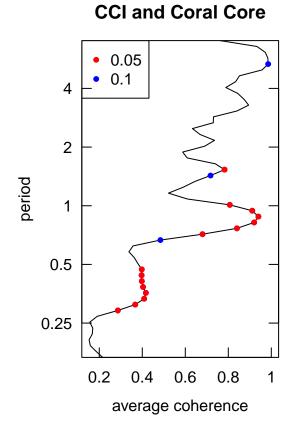


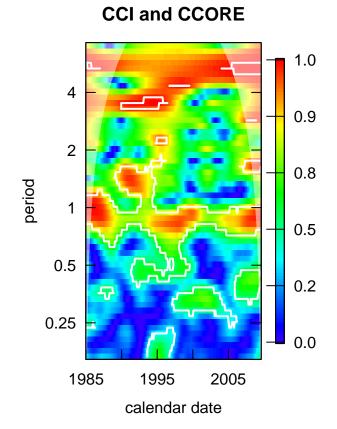


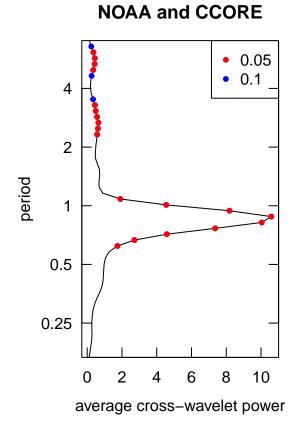


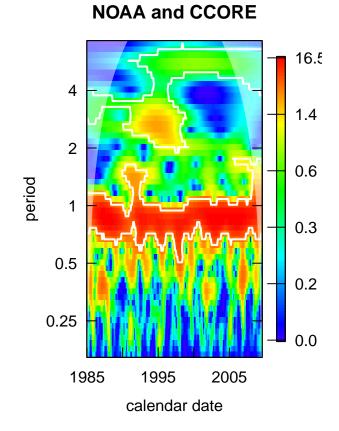
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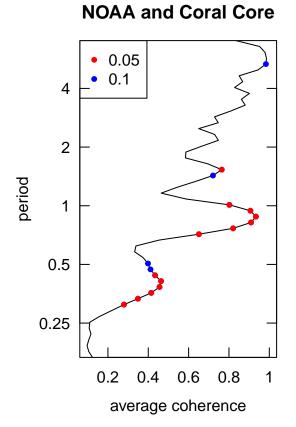


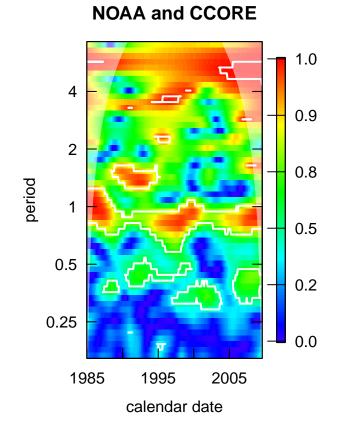


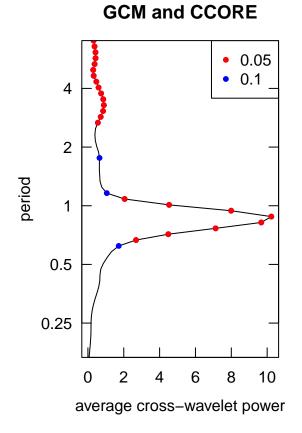


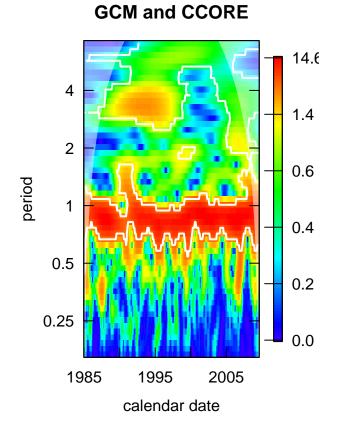


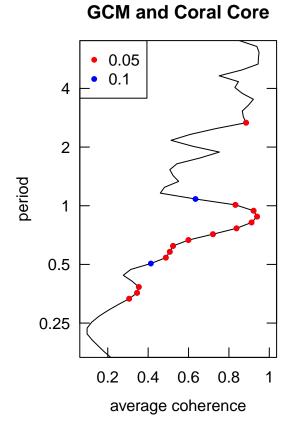


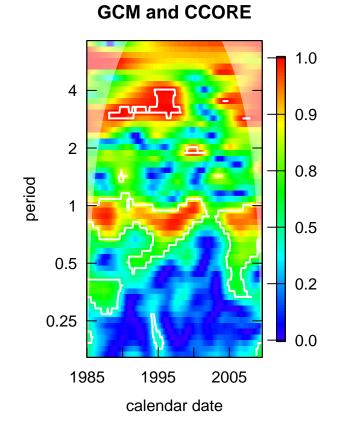


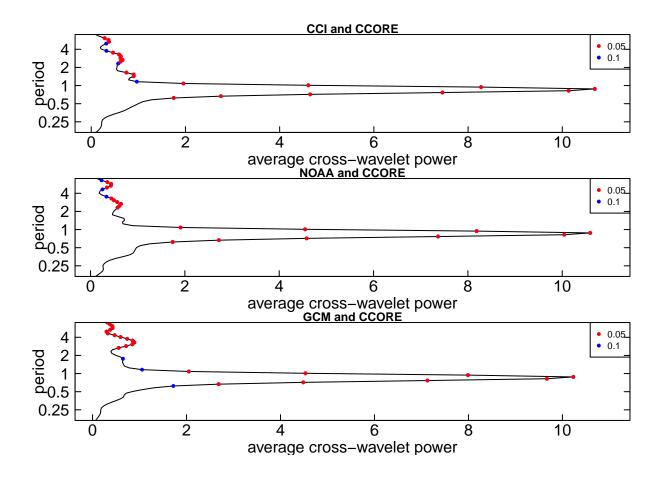




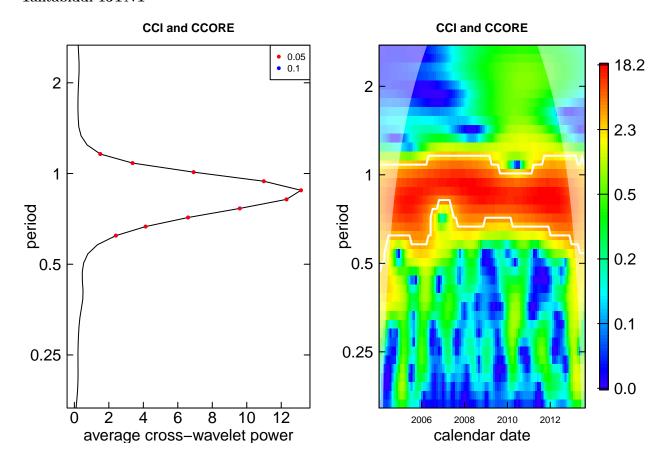


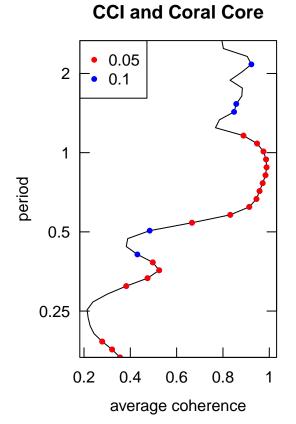


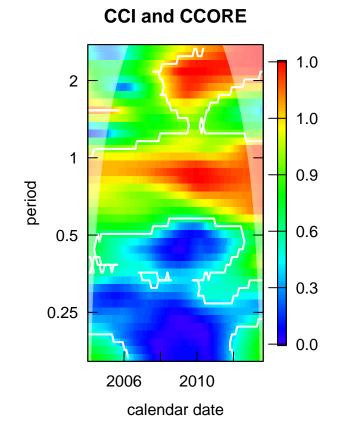


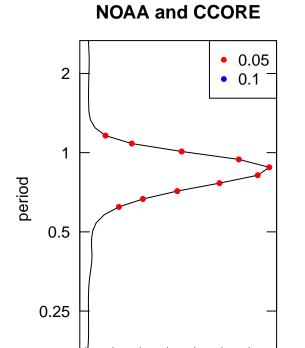


### Tantabiddi 13TNT







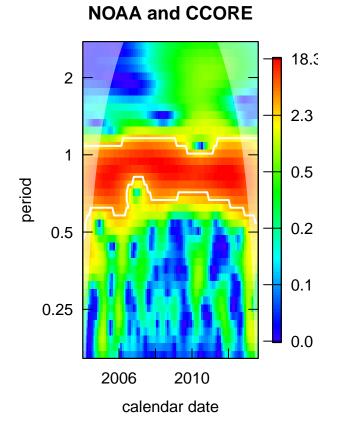


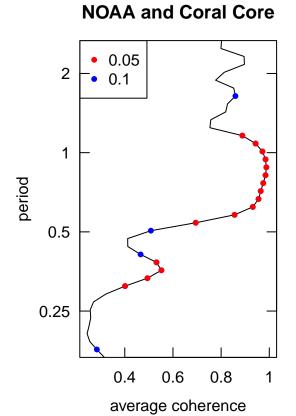
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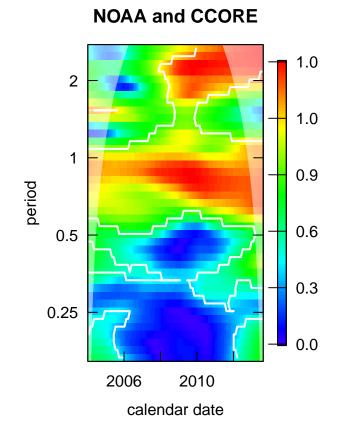
average cross-wavelet power

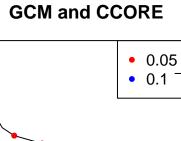
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8 10 12 14

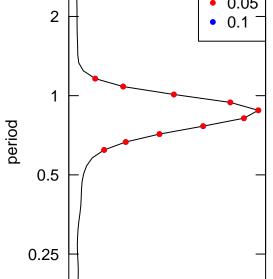








8 10 12 14



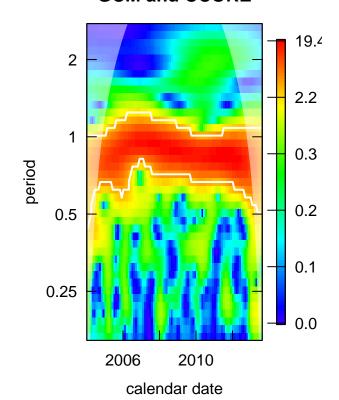
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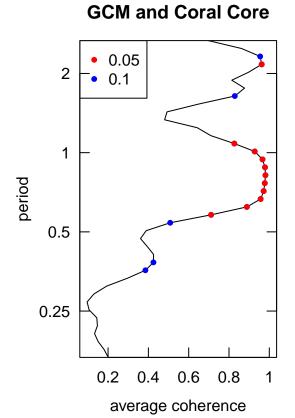
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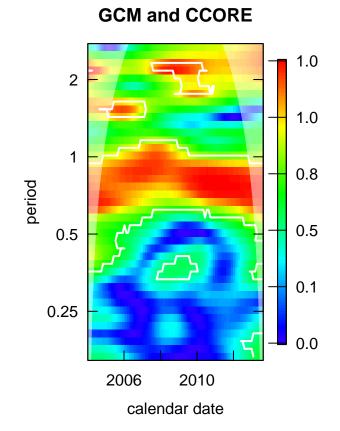
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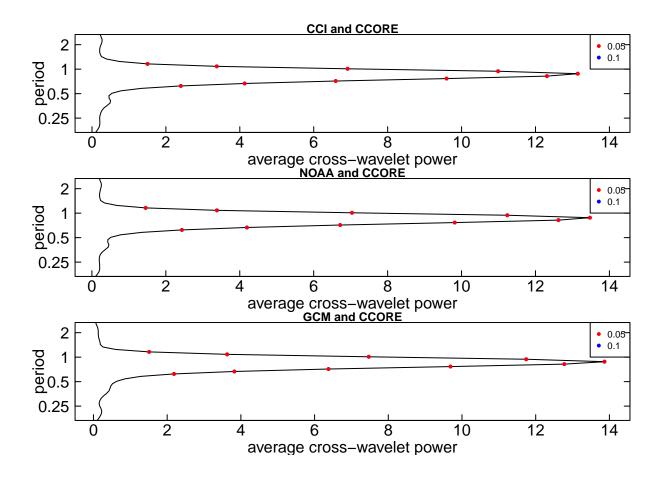
average cross-wavelet power

**GCM and CCORE** 

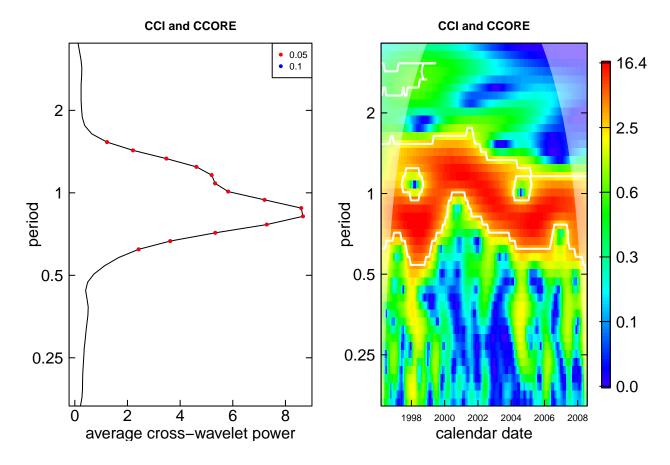


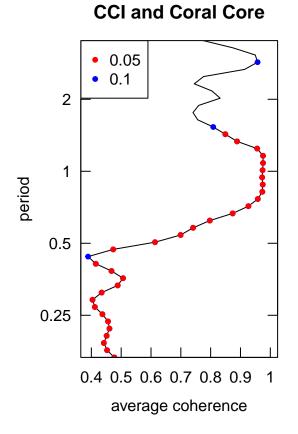


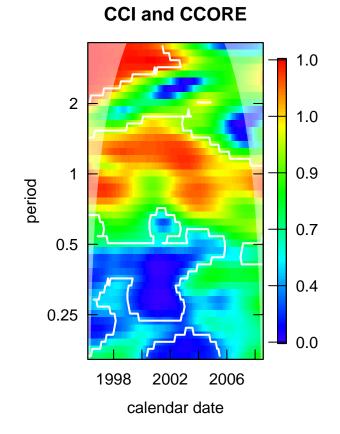


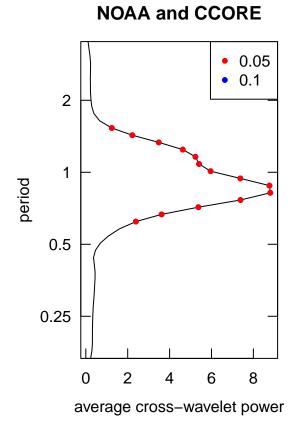


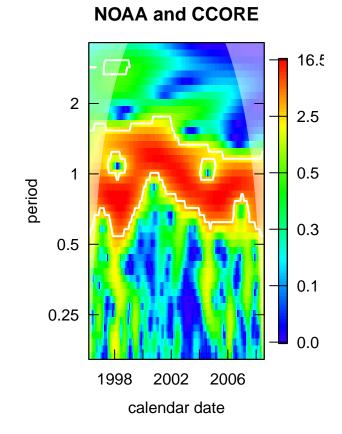
### Tantabiddi 08TNT

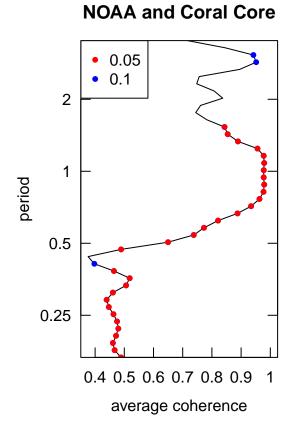


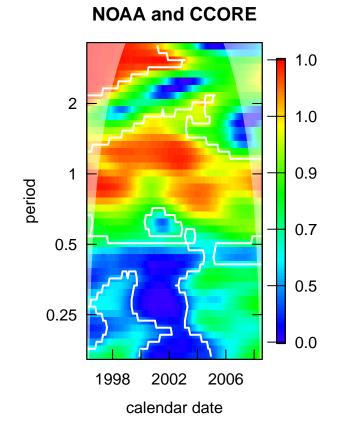


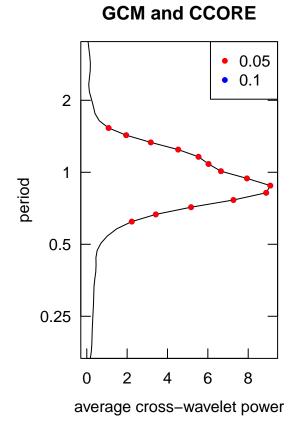


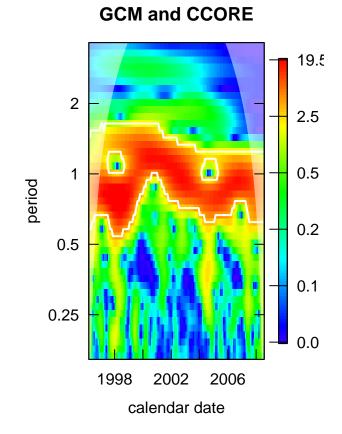


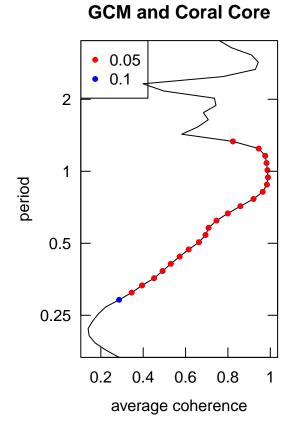


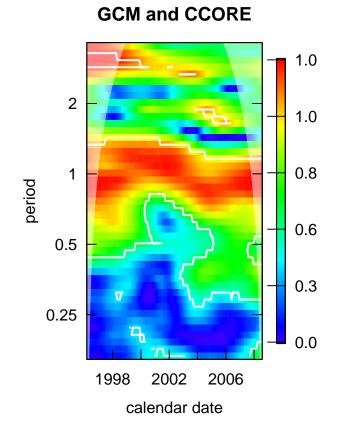


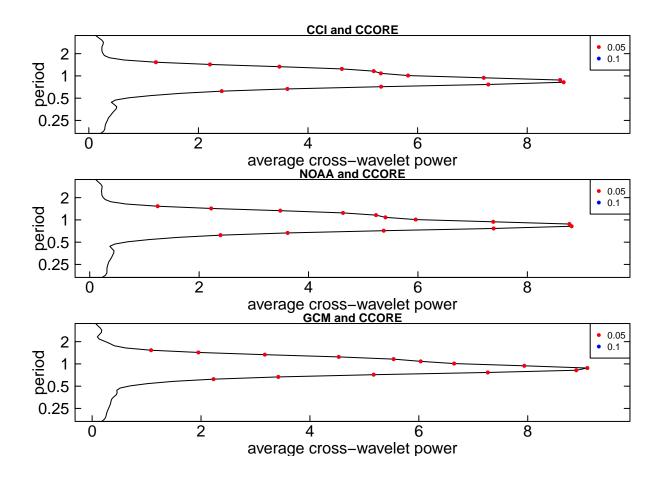




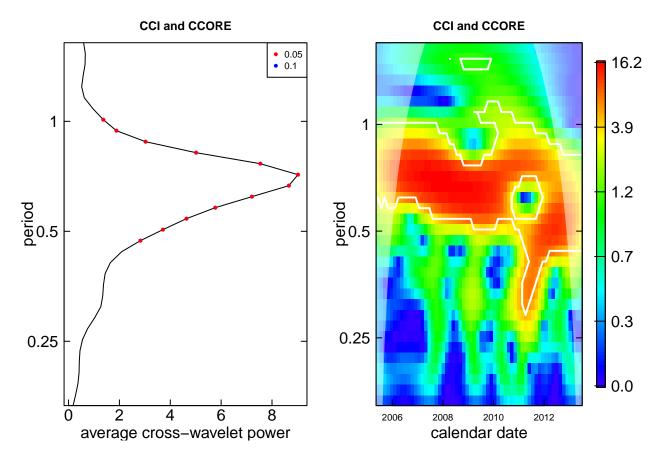


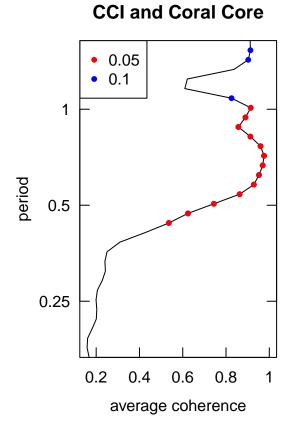


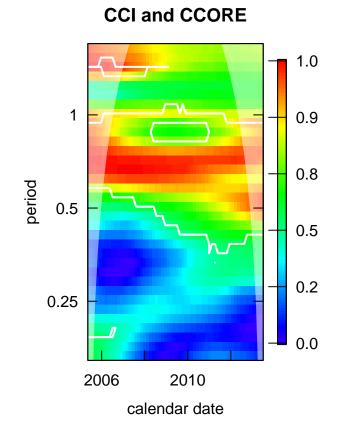


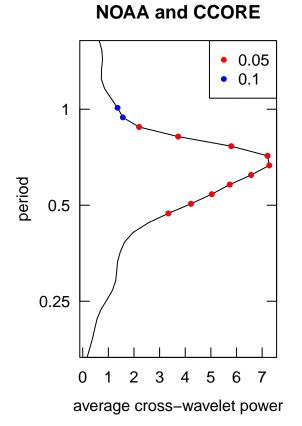


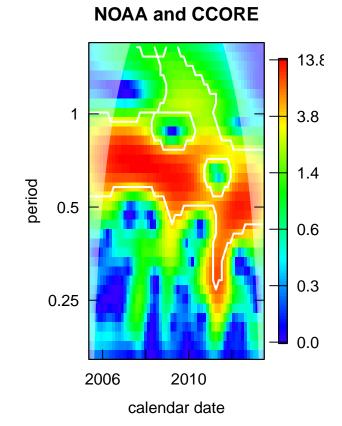
## Bundegi 13BND

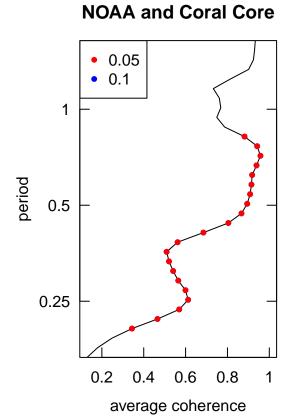


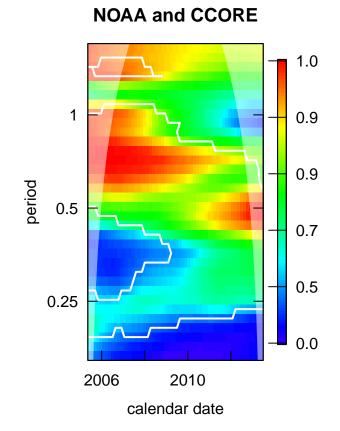


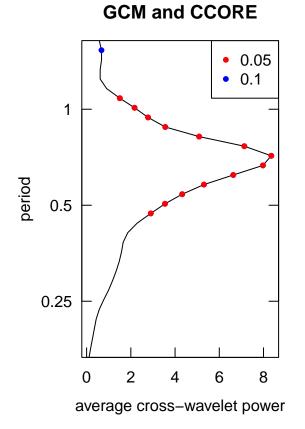


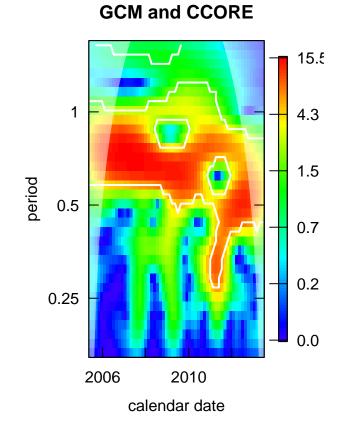


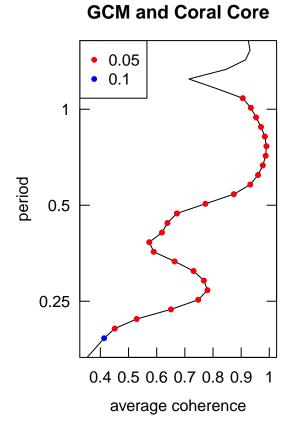


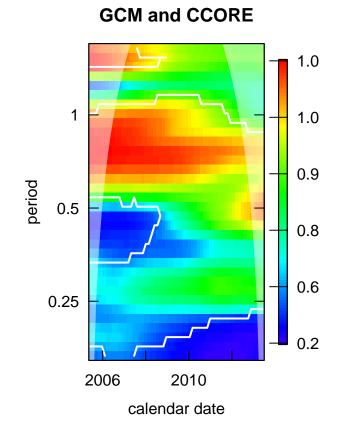


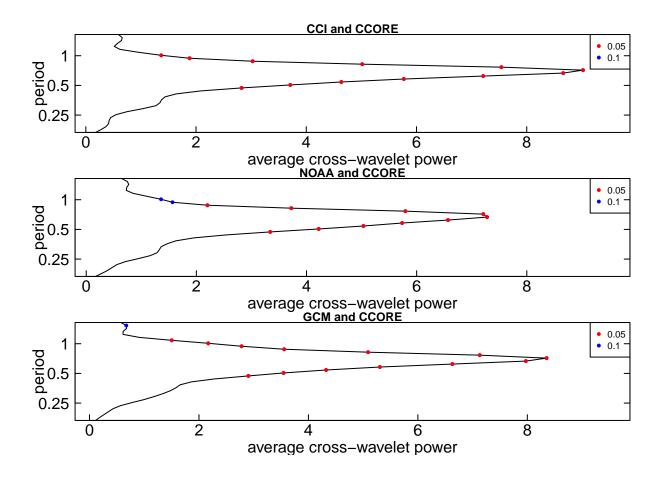




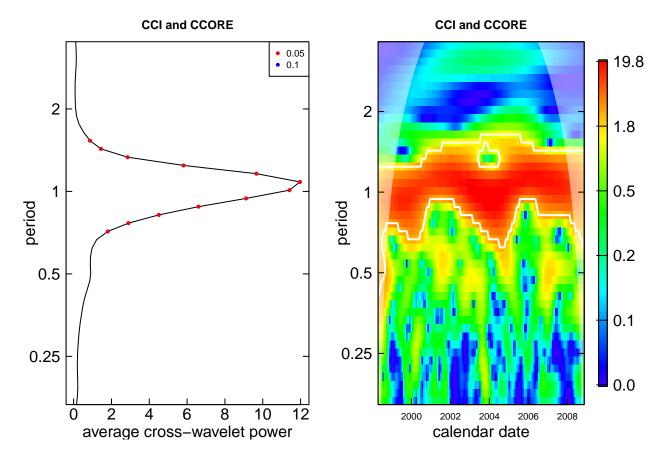


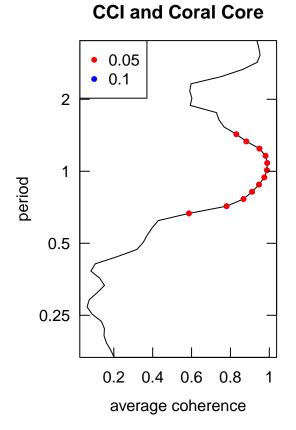


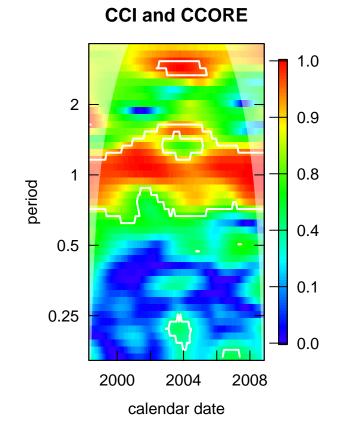


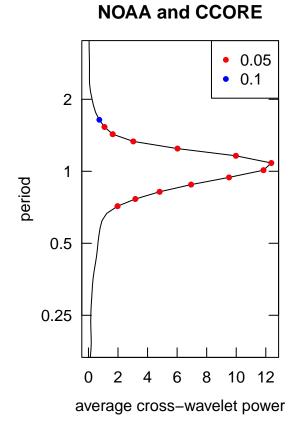


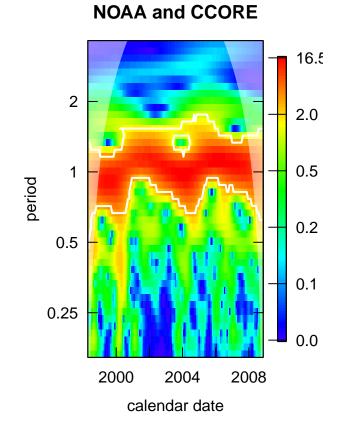
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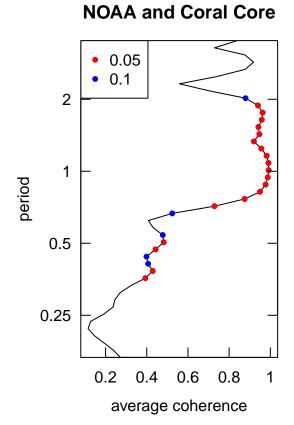


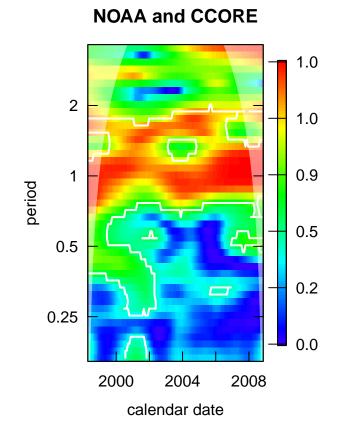


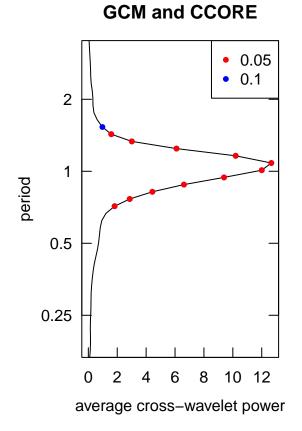


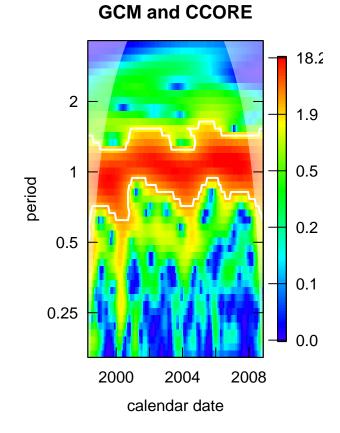


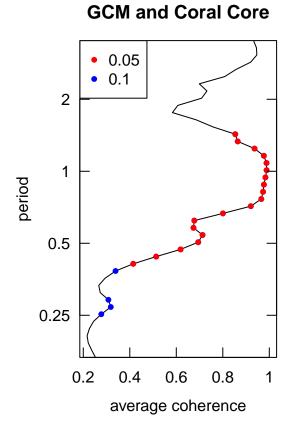


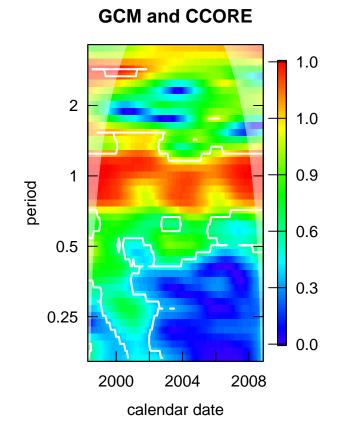


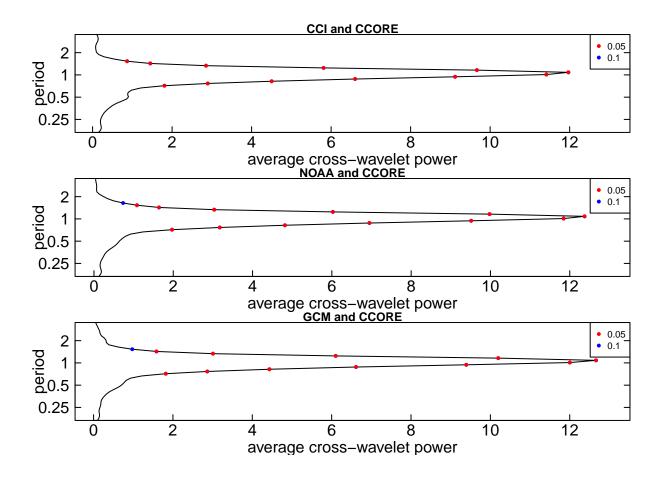






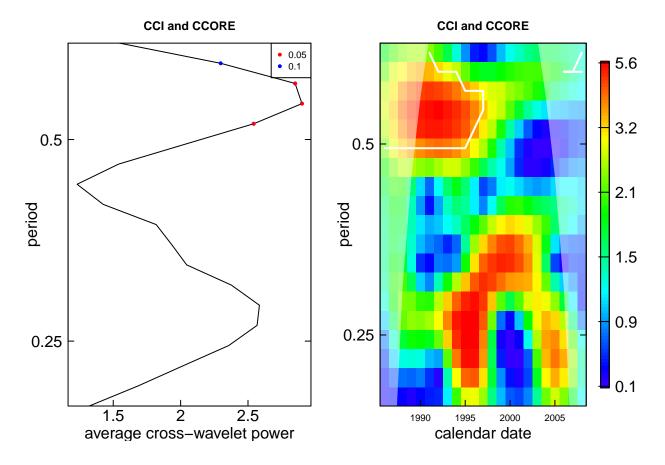


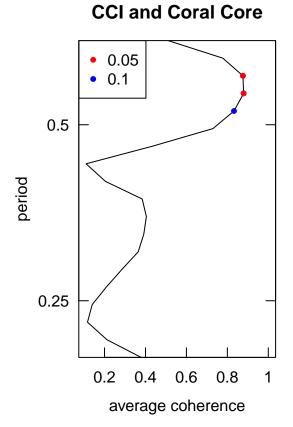


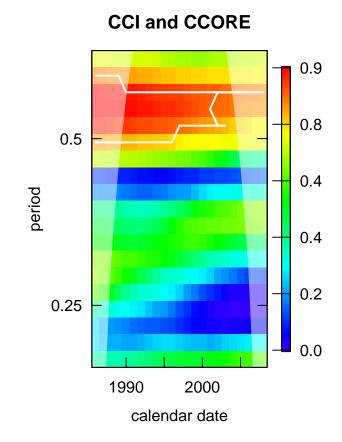


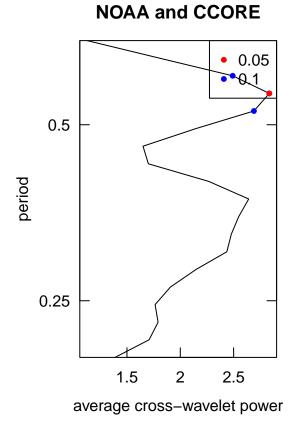
Annual Coral Core Proxy Sites - Period of one represents 10 years

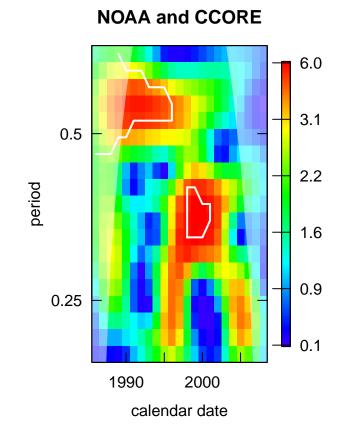
## TNT07C



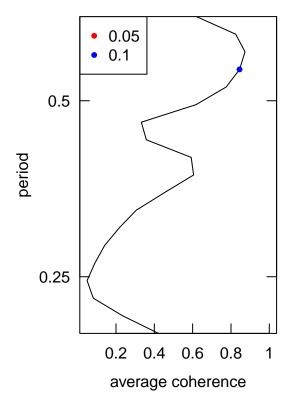




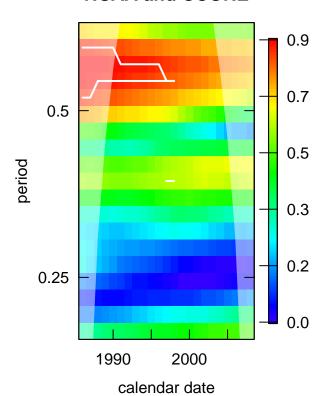


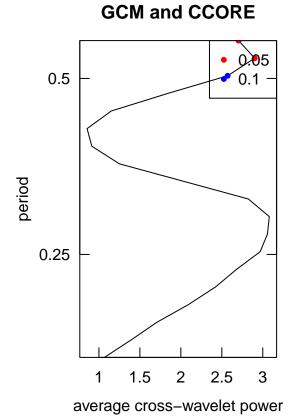


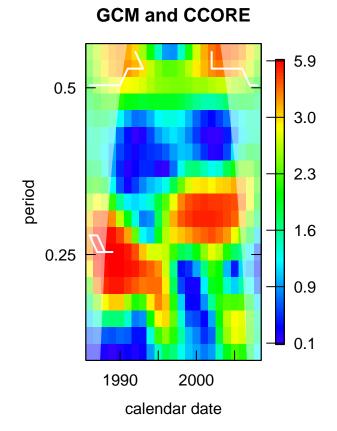




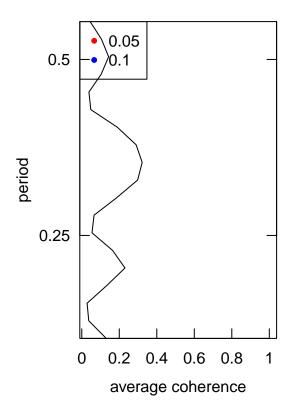
# **NOAA** and **CCORE**



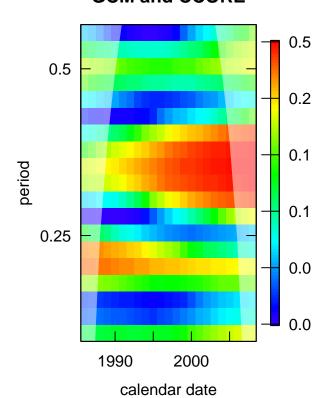


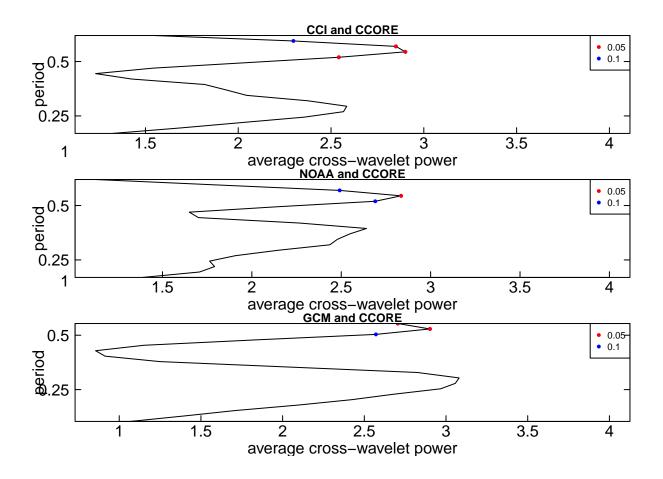




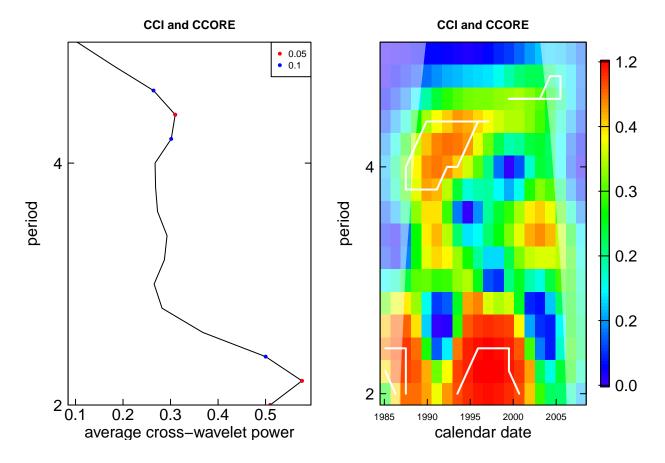


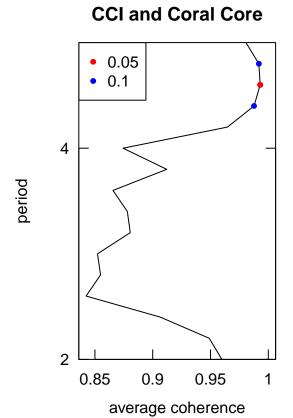
## **GCM and CCORE**

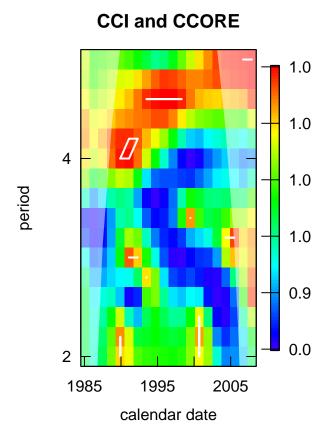


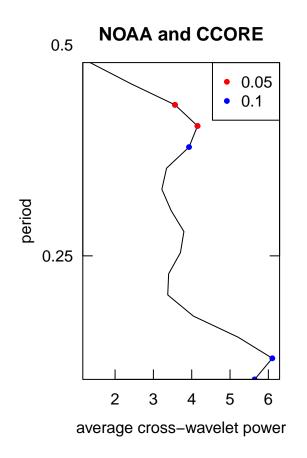


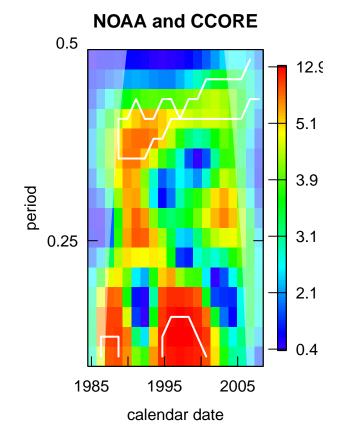
## BUN05A

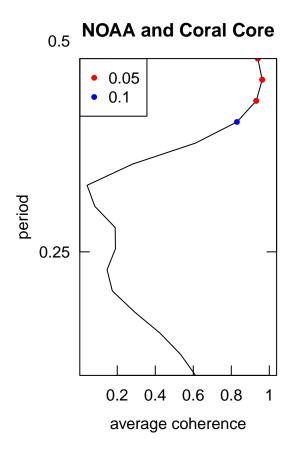


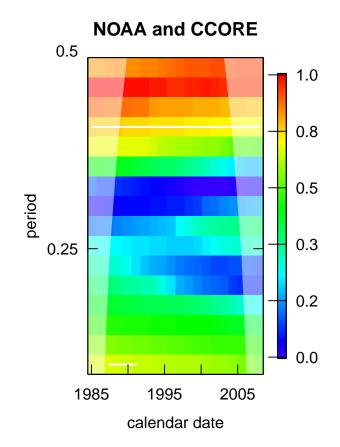


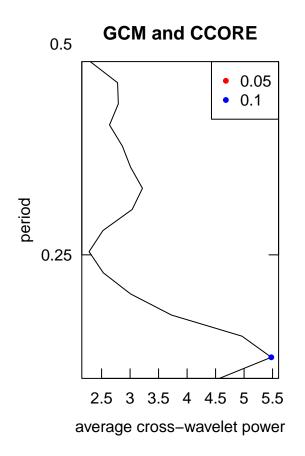


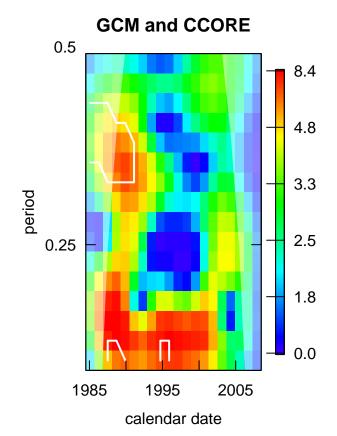


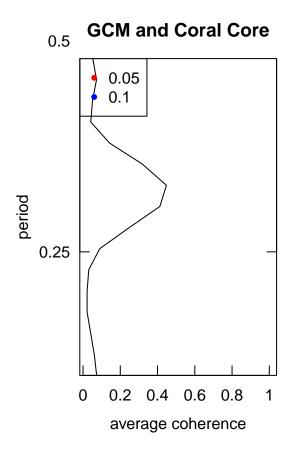


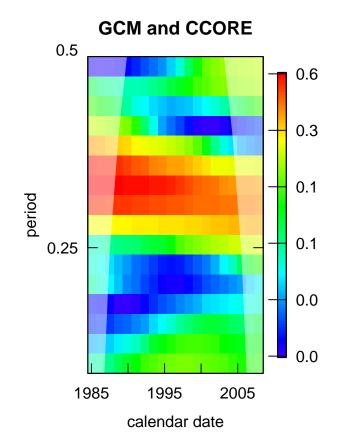


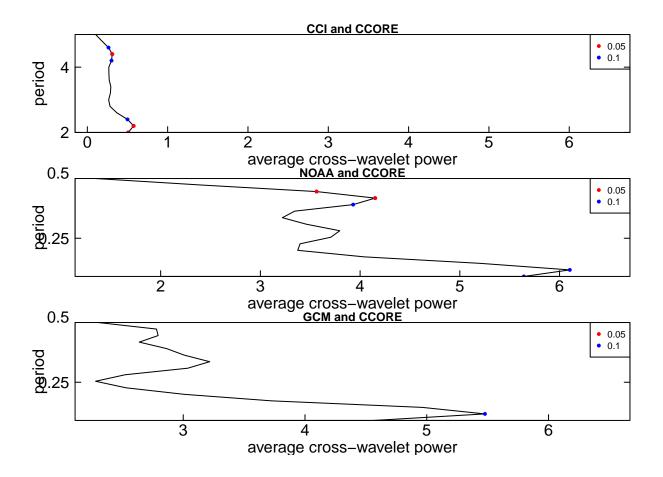




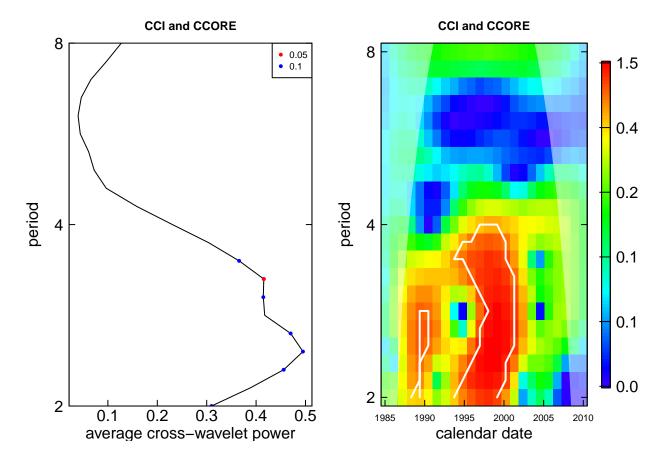


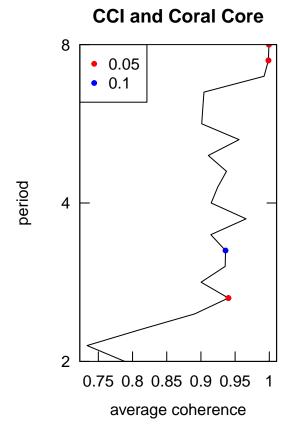


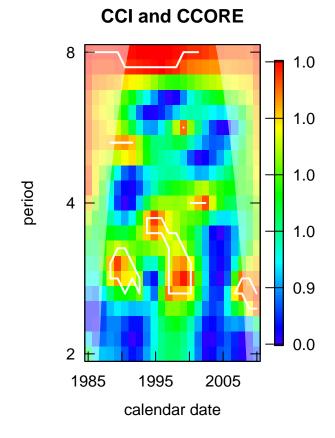


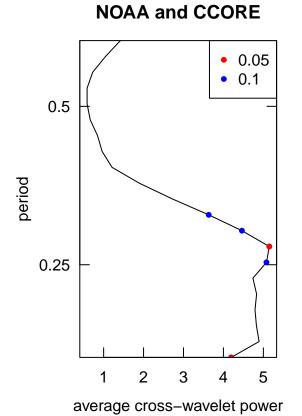


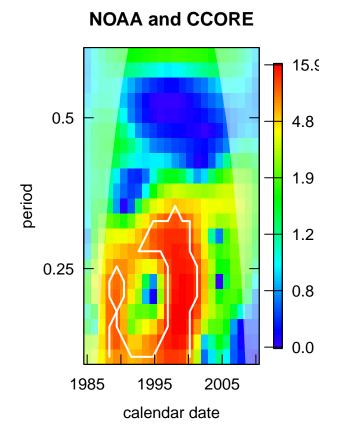
## HAB05B



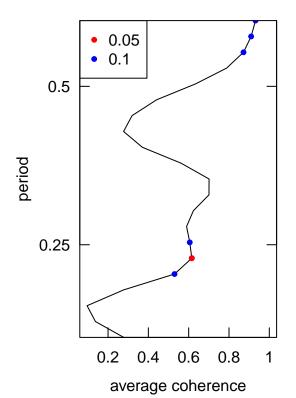




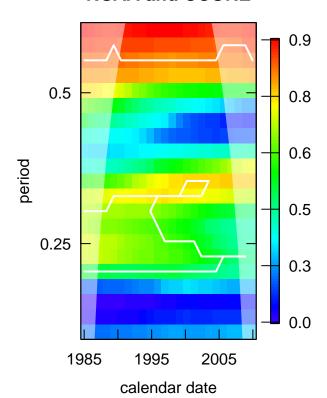


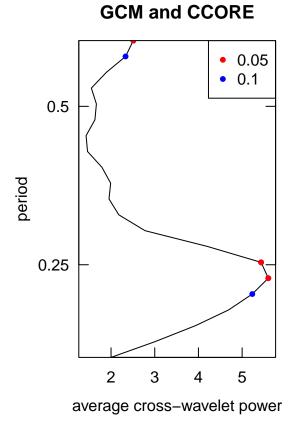


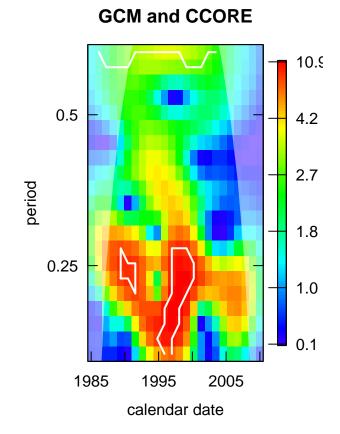


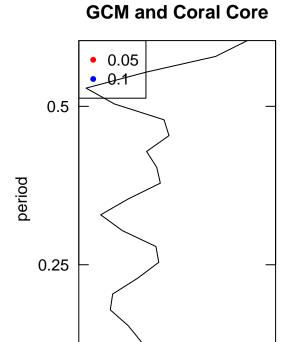


## **NOAA** and **CCORE**









0.2 0.4 0.6 0.8

average coherence

1

