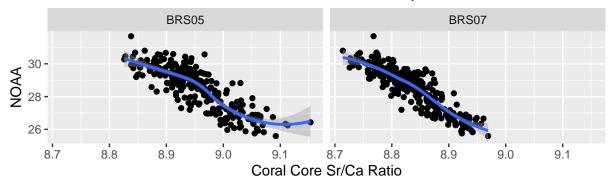
Coral Core Calibration and Frequency Analysis

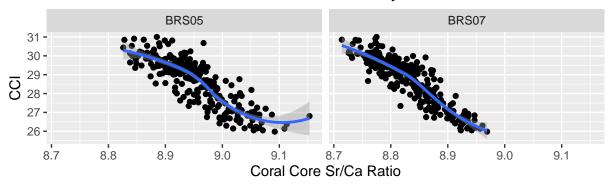
Vanessa Hui Fen Neo

2022-02-09

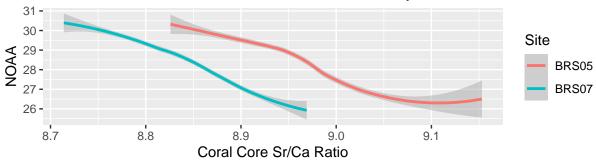
Browse Island NOAA SST and Coral Core Proxy



Browse Island CCI SST and Coral Core Proxy

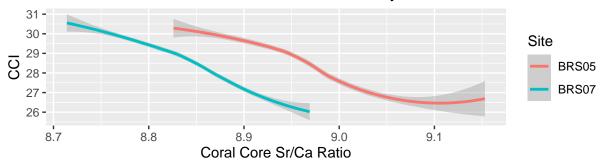


Browse Island NOAA SST and Coral Core Proxy



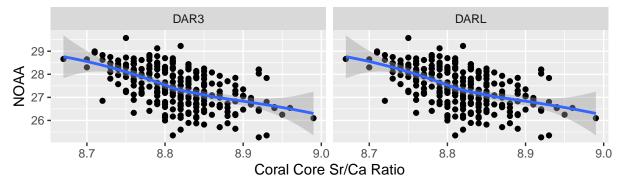
[Range of R Square values is from 0.497 to 0.570]

Browse Island CCI SST and Coral Core Proxy

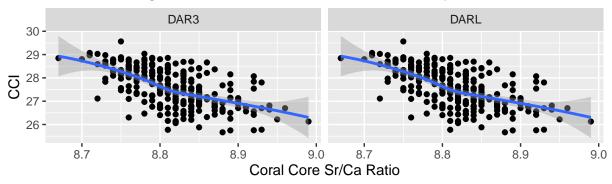


[Range of R Square values is from 0.568 to 0.622]

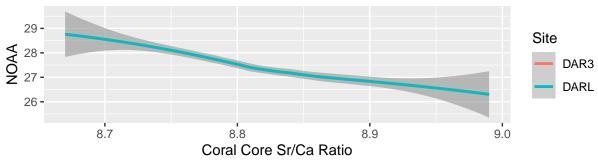
Cocos Keeling Island NOAA SST and Coral Core Proxy



Cocos Keeling Island CCI SST and Coral Core Proxy

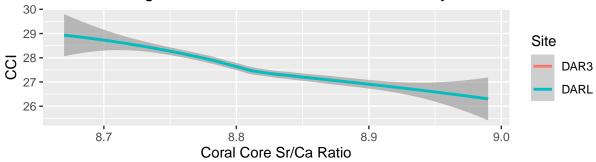


Cocos Keeling Island NOAA SST and Coral Core Proxy



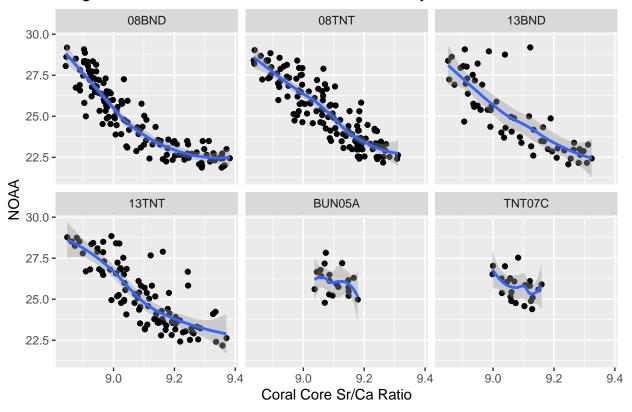
[R Square values for both sites are 0.188]

Cocos Keeling Island CCI SST and Coral Core Proxy

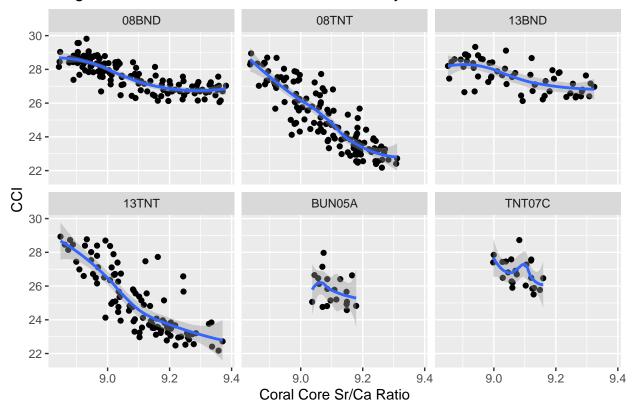


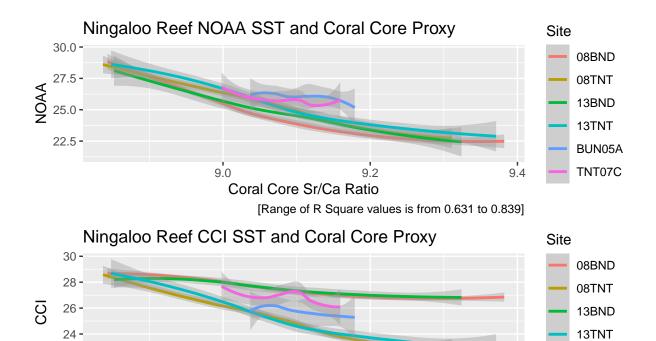
[R Square values for both sites are 0.244]

Ningaloo Reef NOAA SST and Coral Core Proxy



Ningaloo Reef CCI SST and Coral Core Proxy





22 -

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

9.2

Coral Core Sr/Ca Ratio

9.0

BUN05A

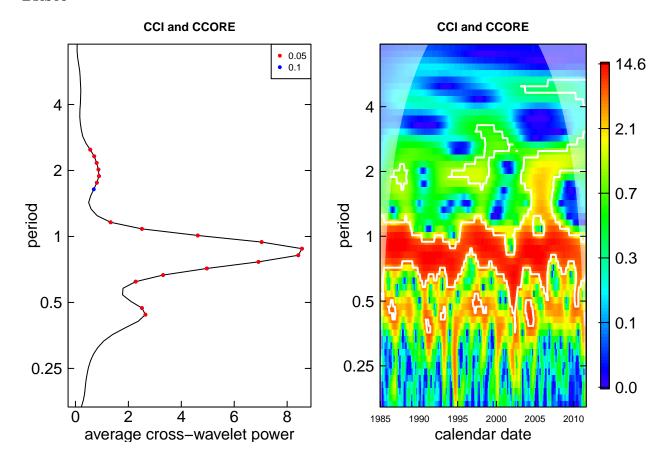
TNT07C

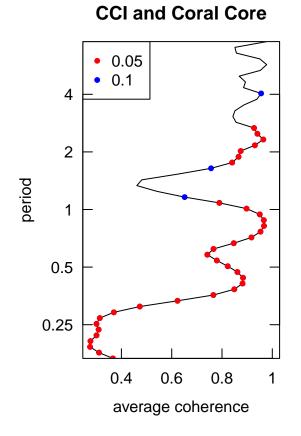
9.4

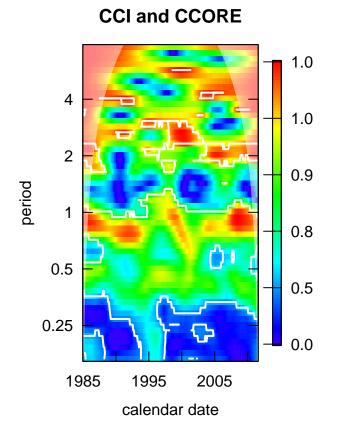
Frequency Analysis - Spectral Analysis of Time Series for $\mathrm{Sr/Ca}$ Coral Proxy sites

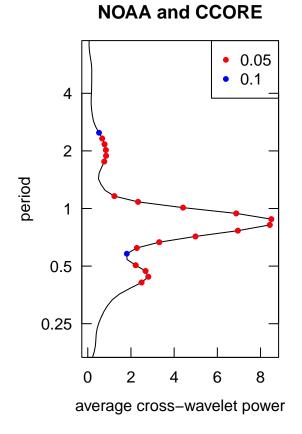
Monthly Coral Core Proxy Sites - Period of 1 represents 1 year

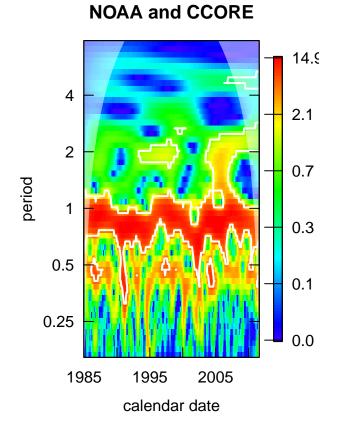
BRS05

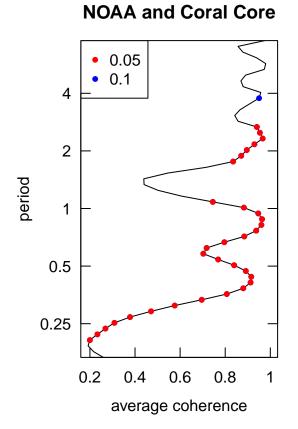


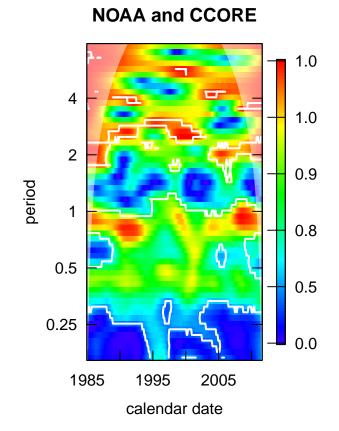


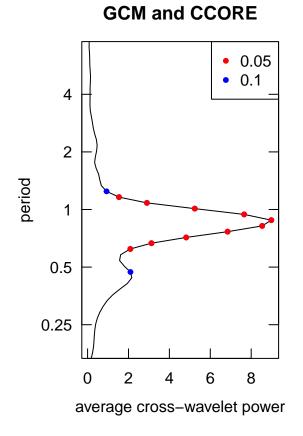


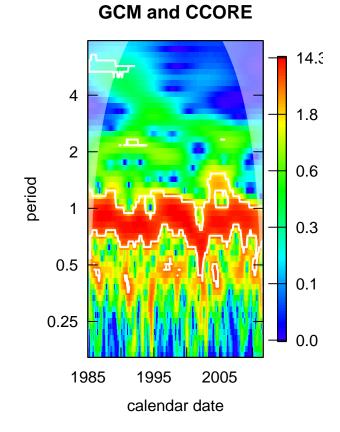


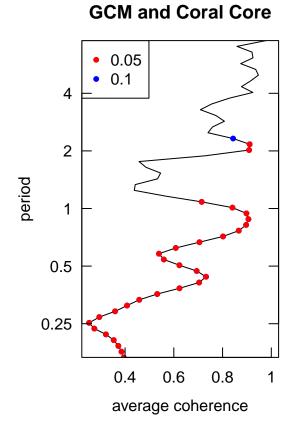


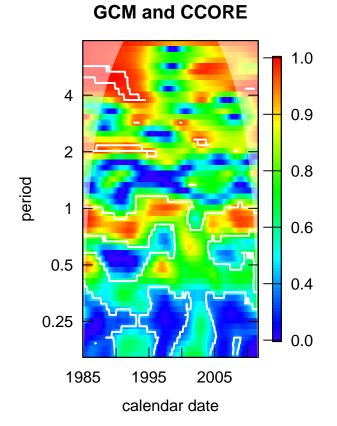


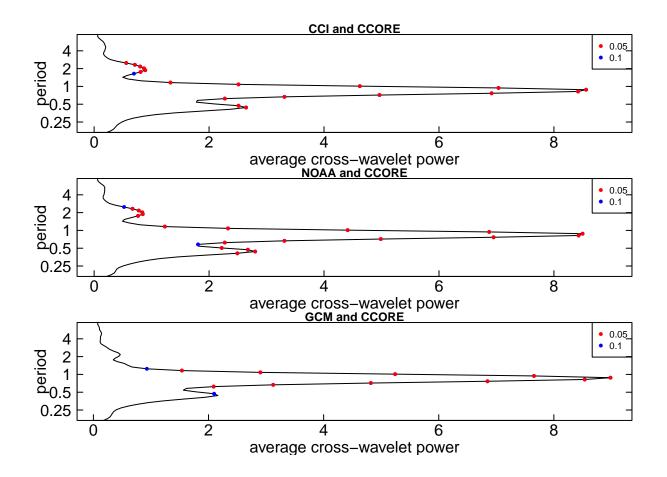




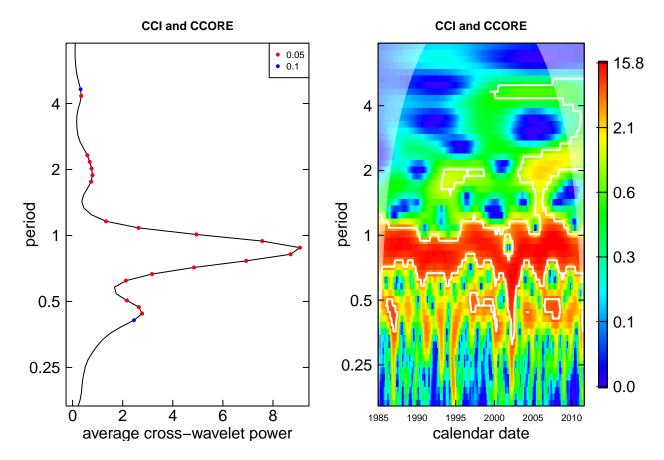


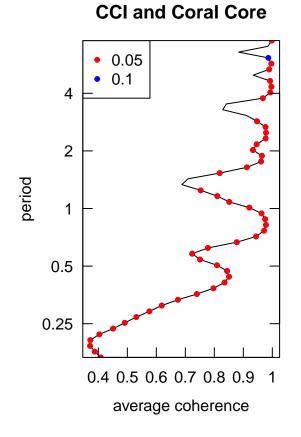


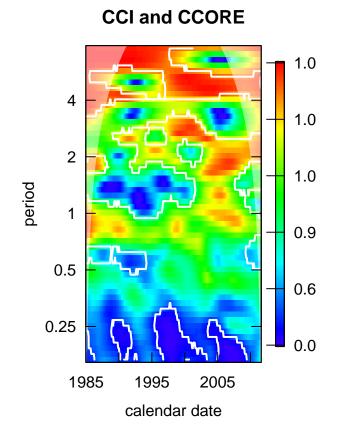


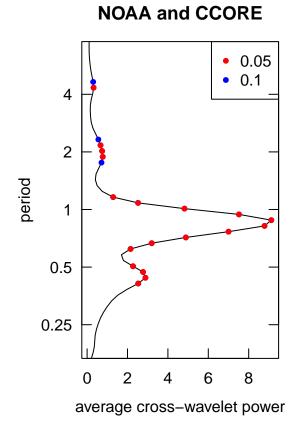


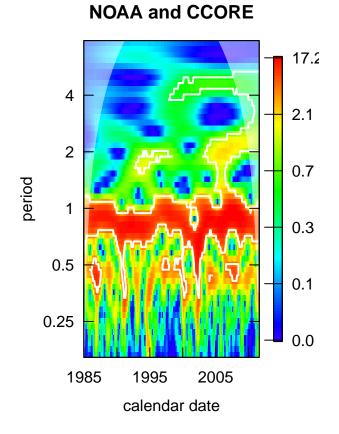
BRS07

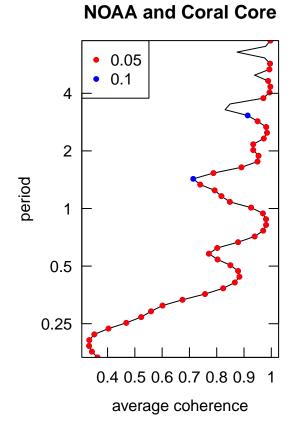


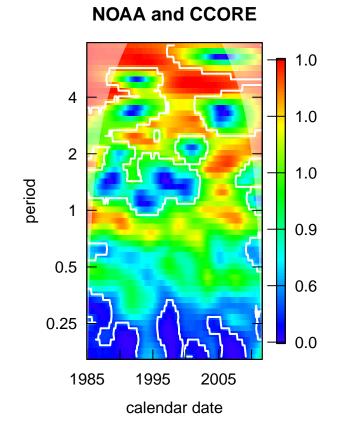


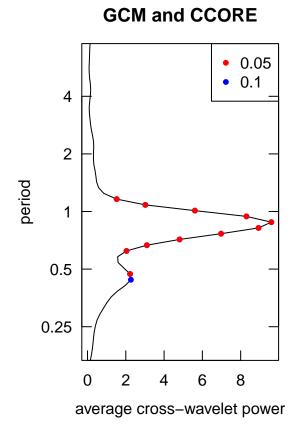


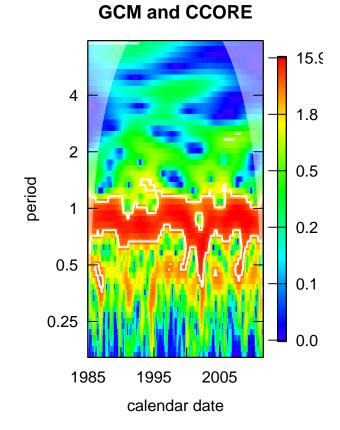


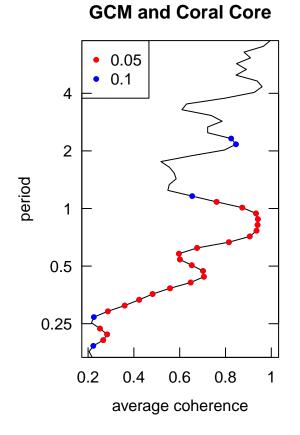


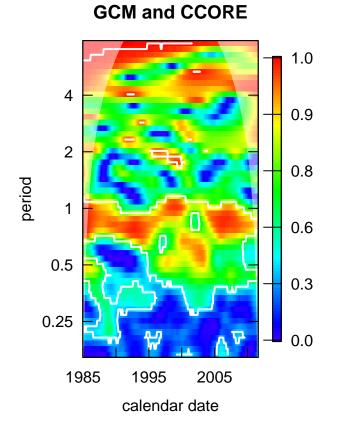


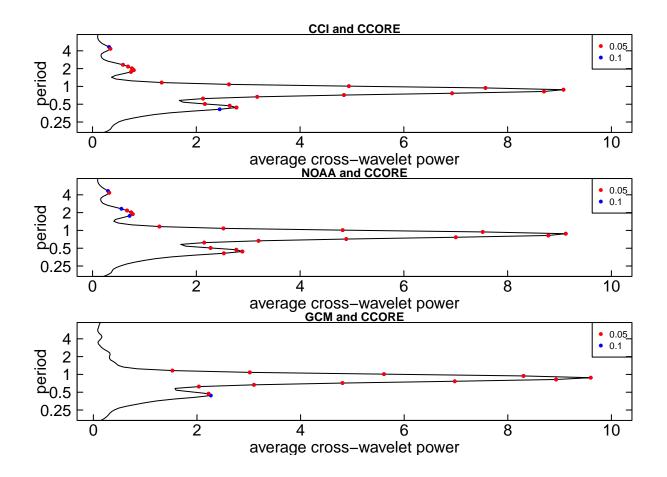




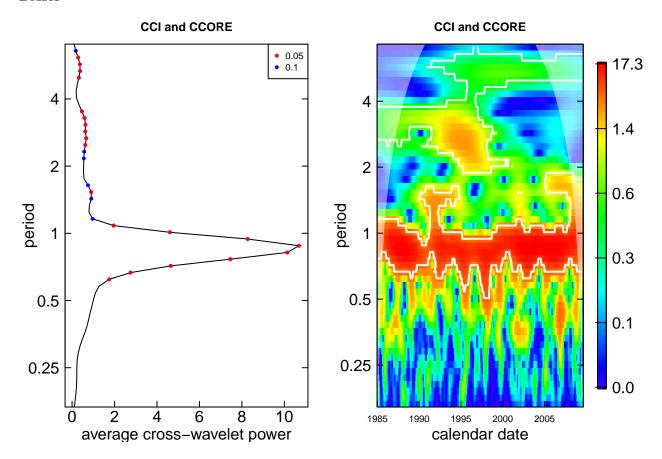


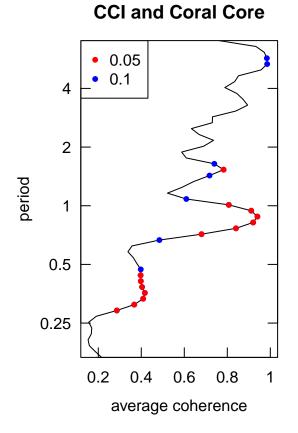


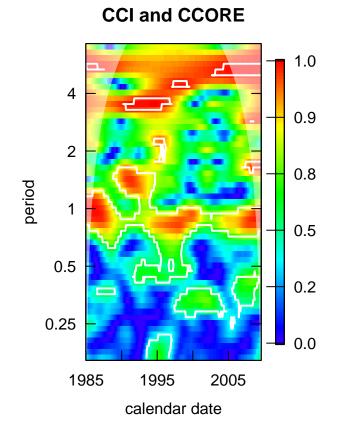


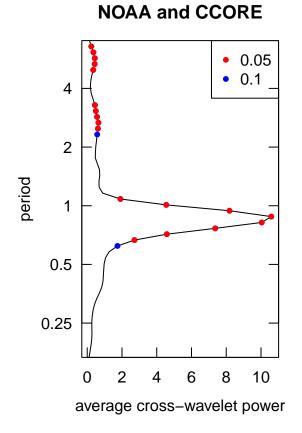


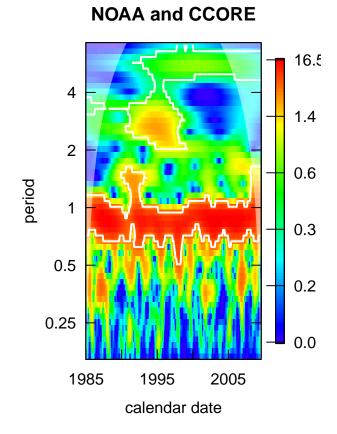
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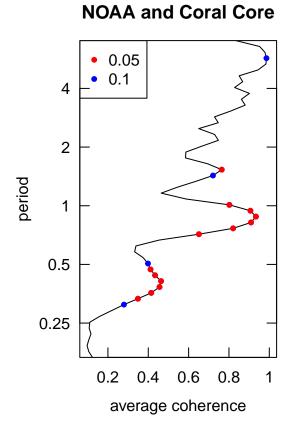


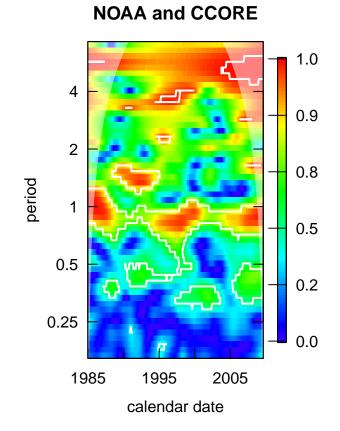


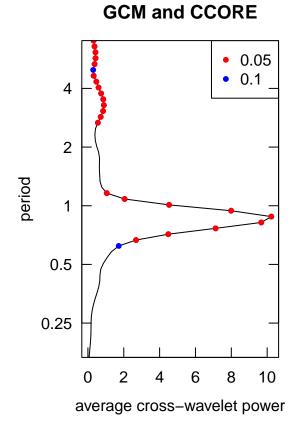


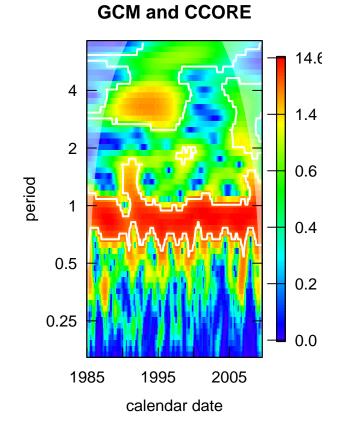


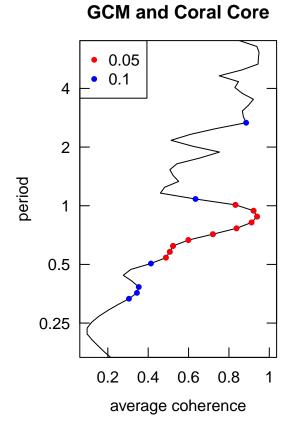


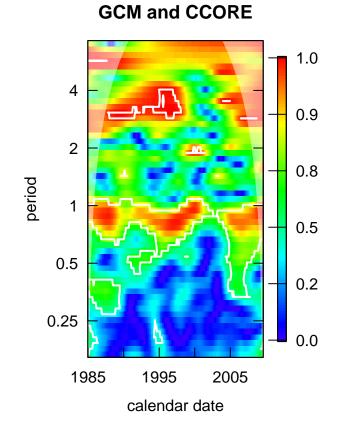


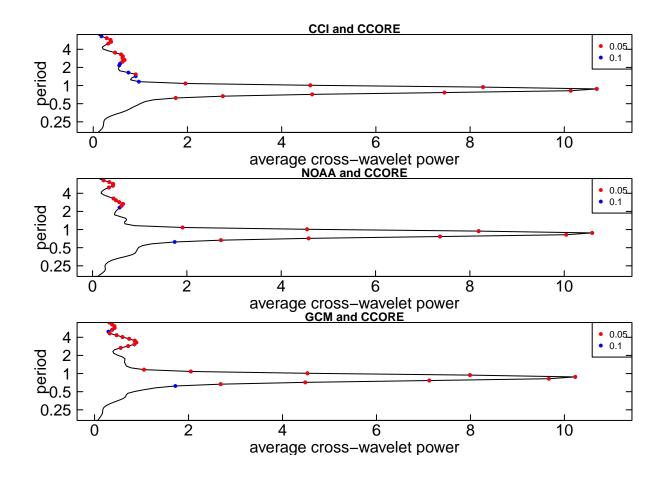




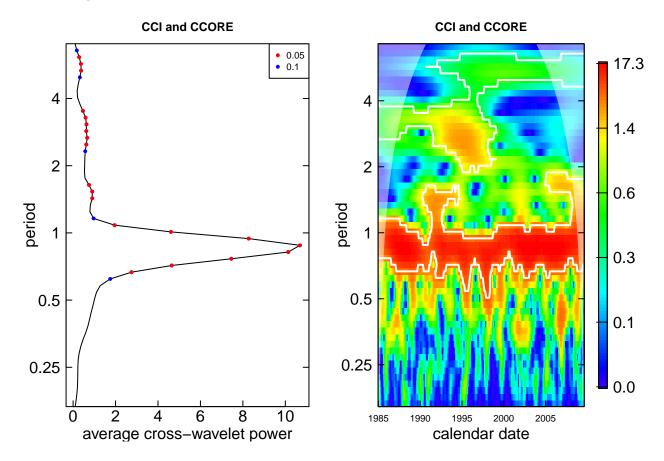


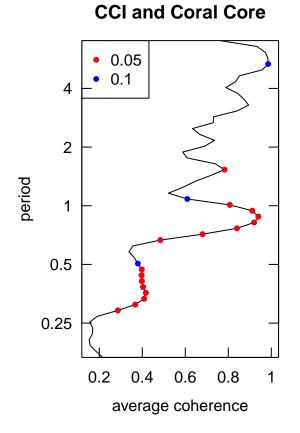


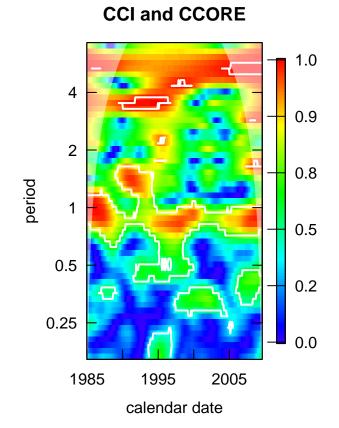


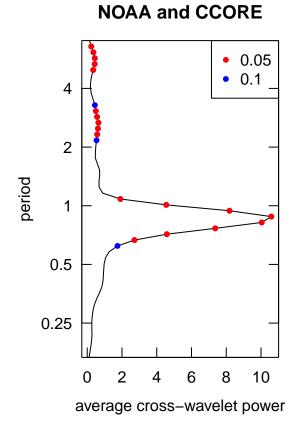


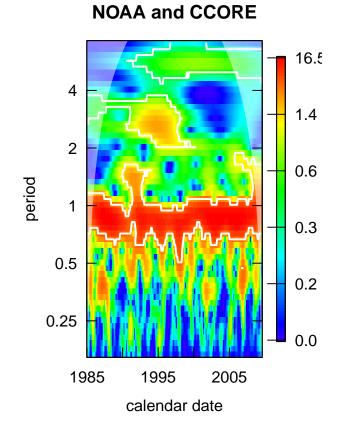
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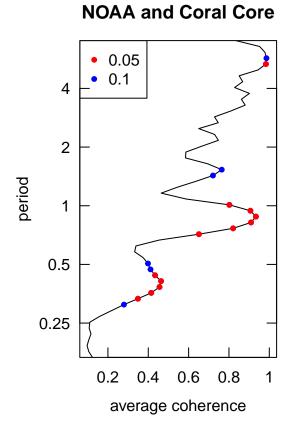


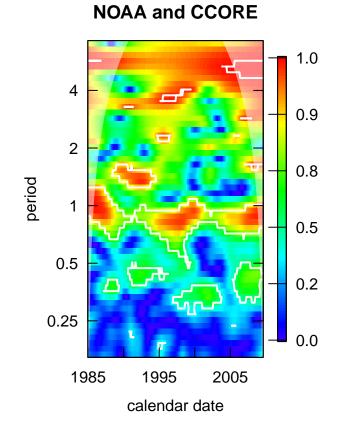


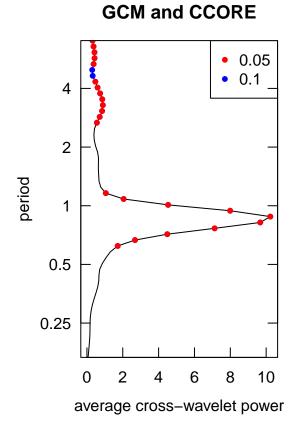


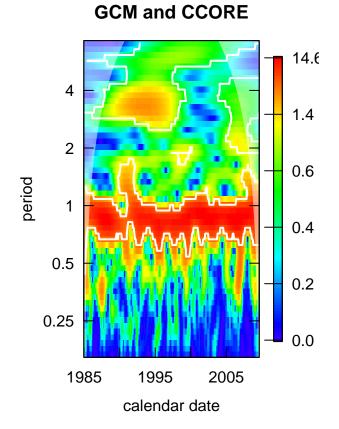


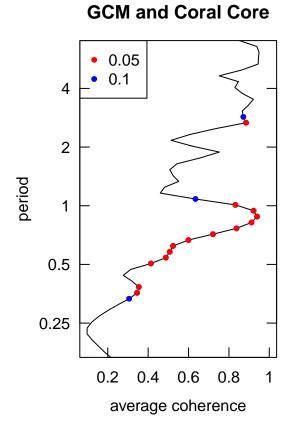


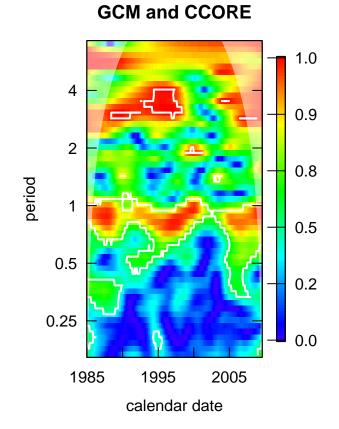


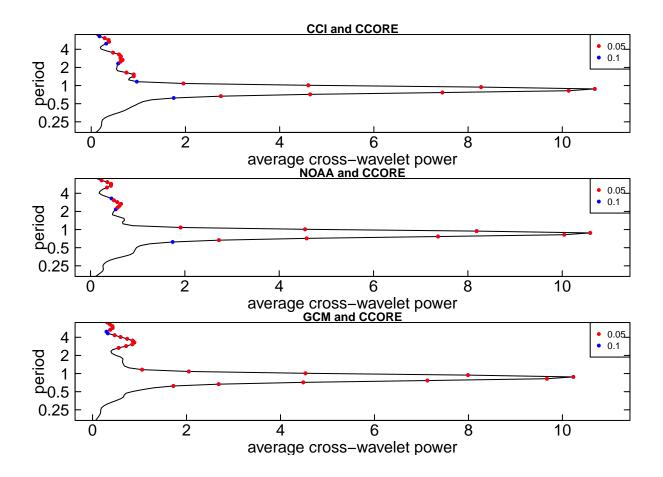




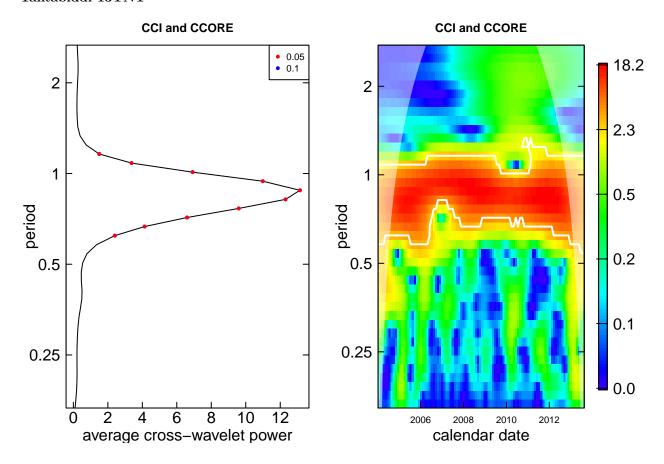


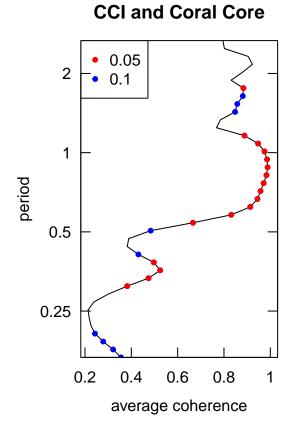


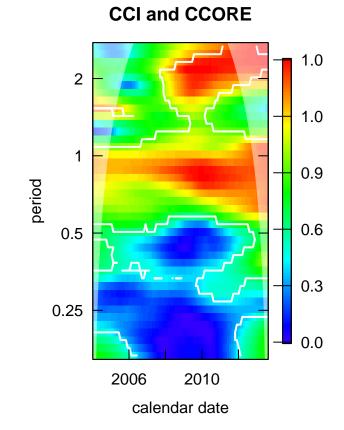


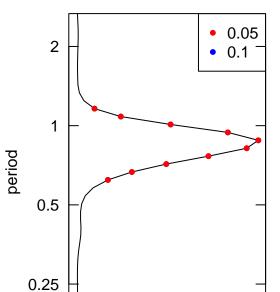


Tantabiddi 13TNT







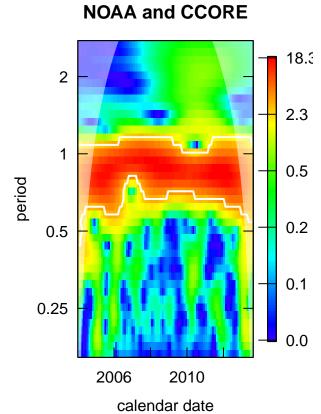


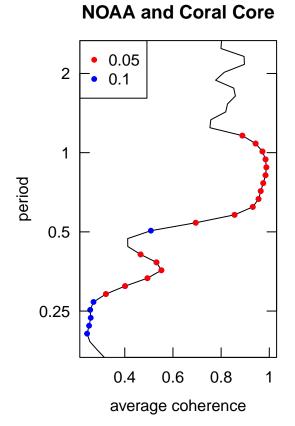
6

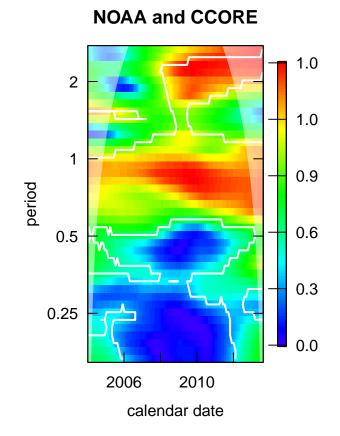
average cross-wavelet power

2

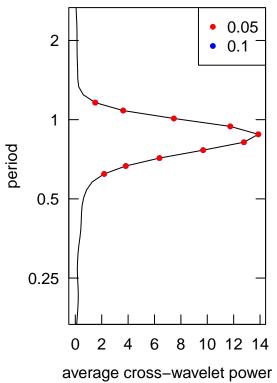
NOAA and **CCORE**



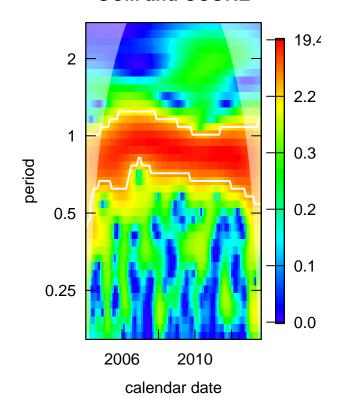


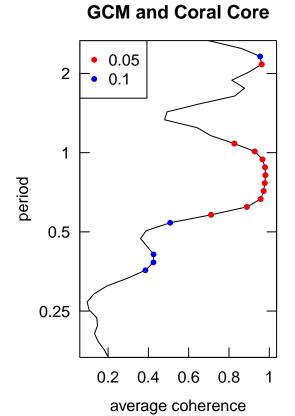


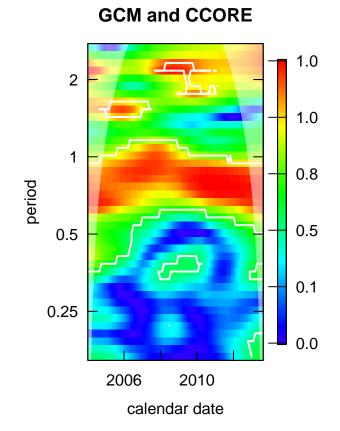


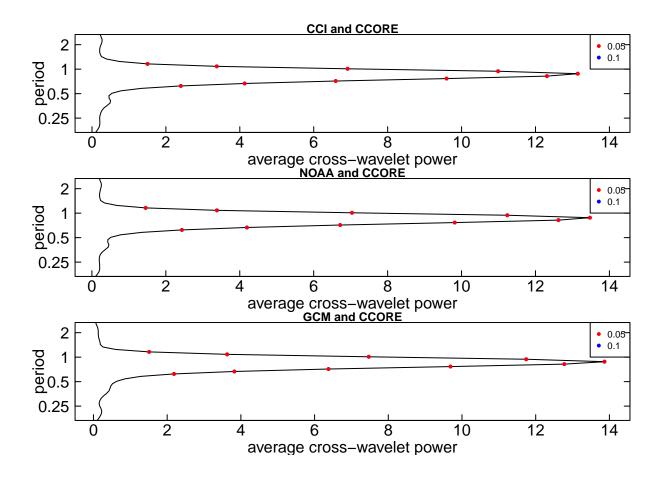


GCM and CCORE

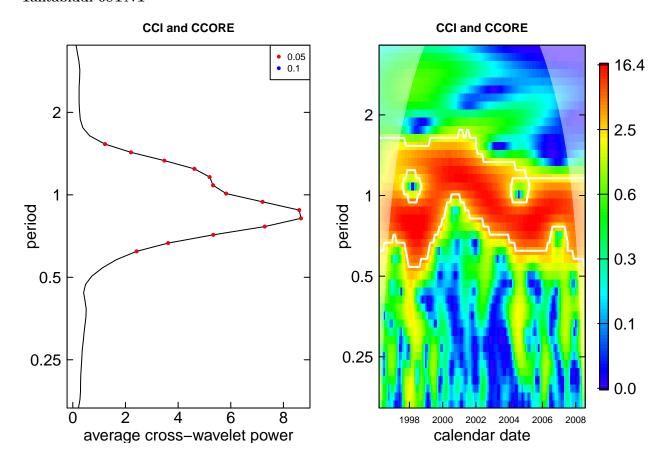


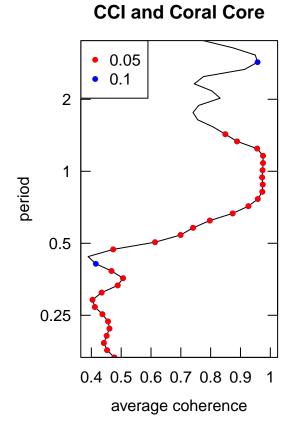


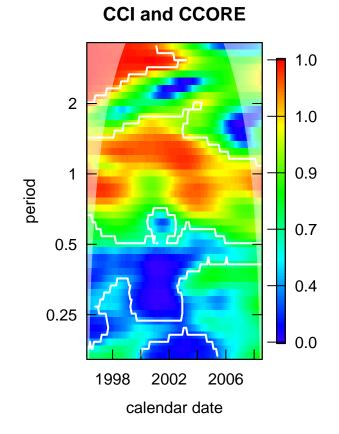


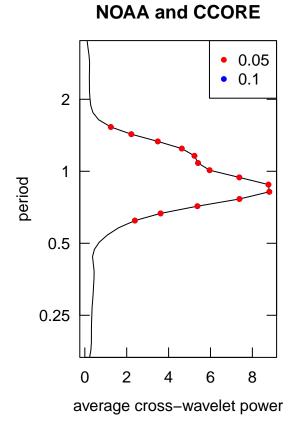


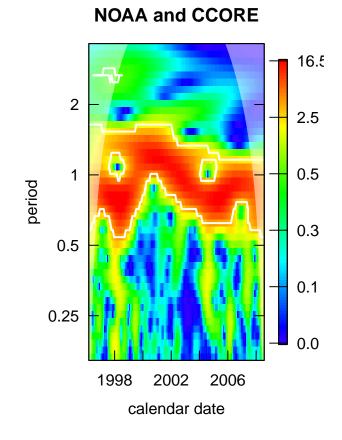
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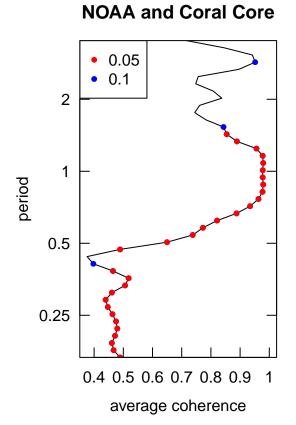


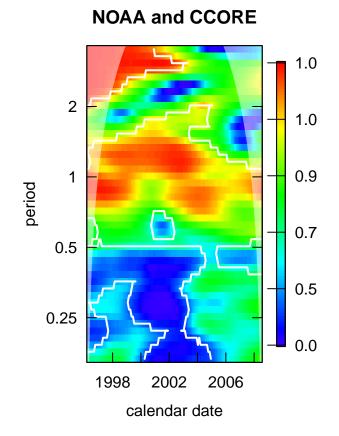


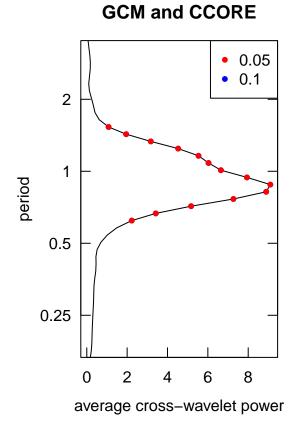


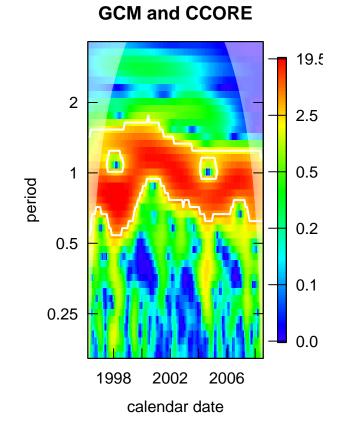


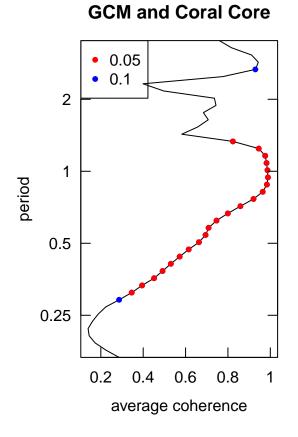


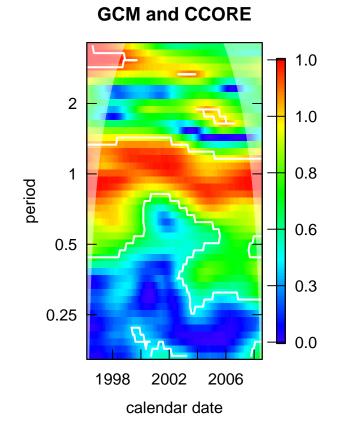


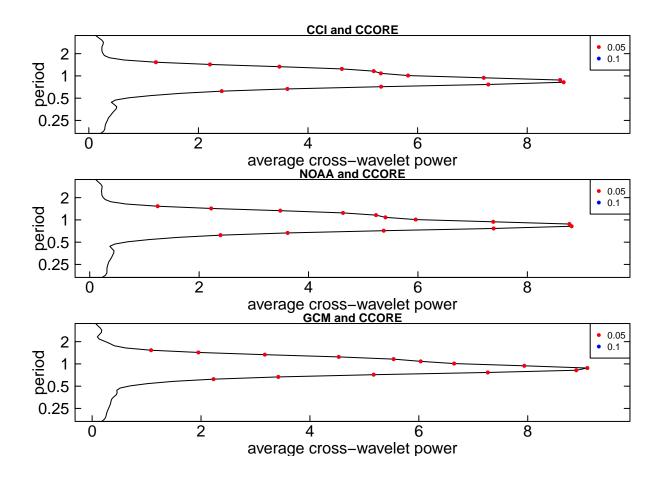




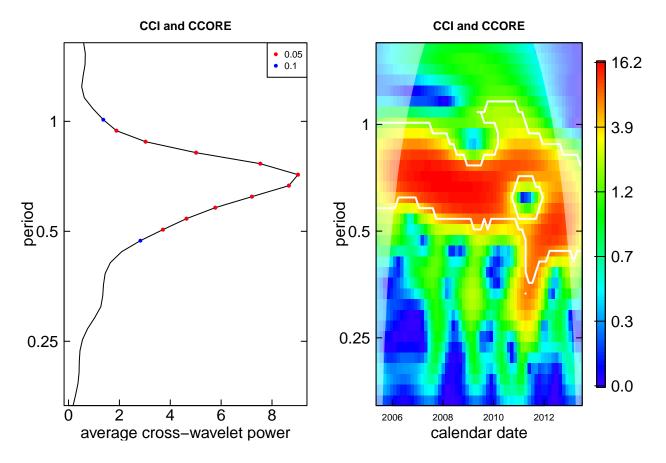


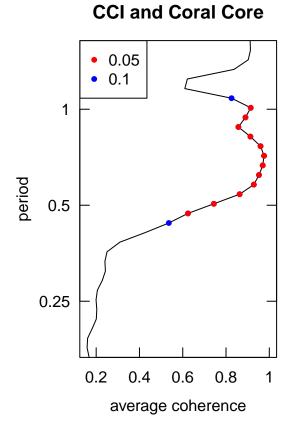


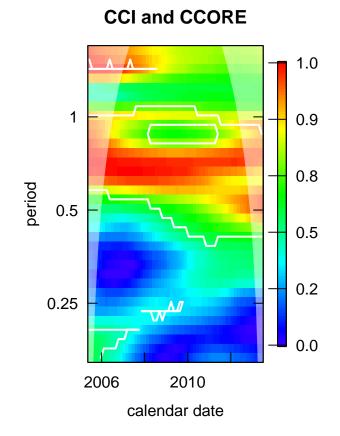


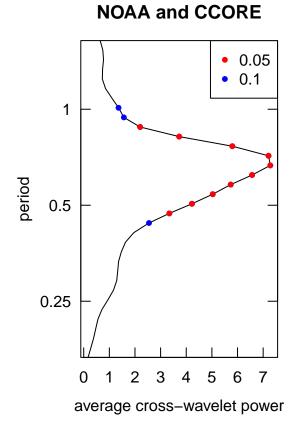


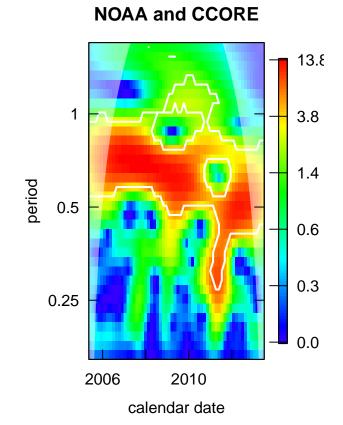
Bundegi 13BND

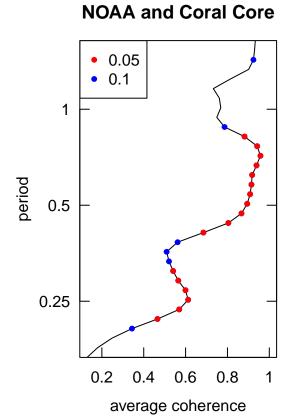


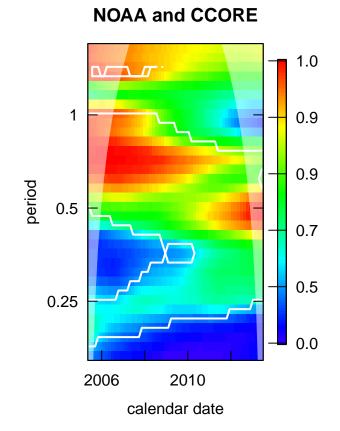


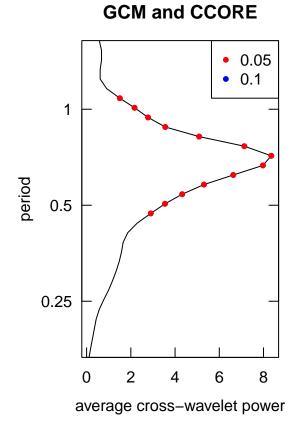


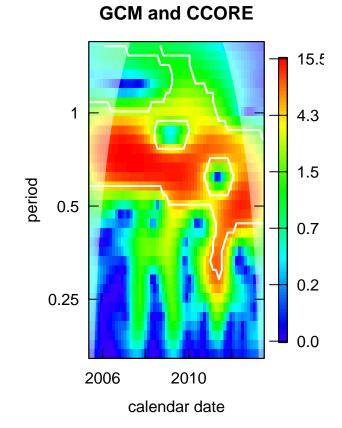


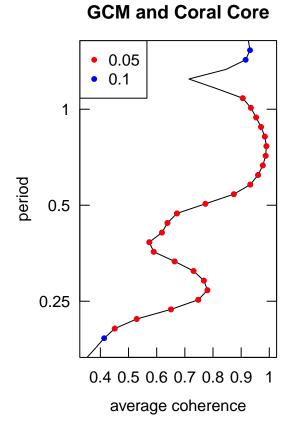


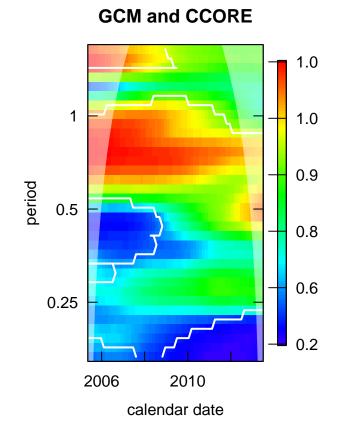


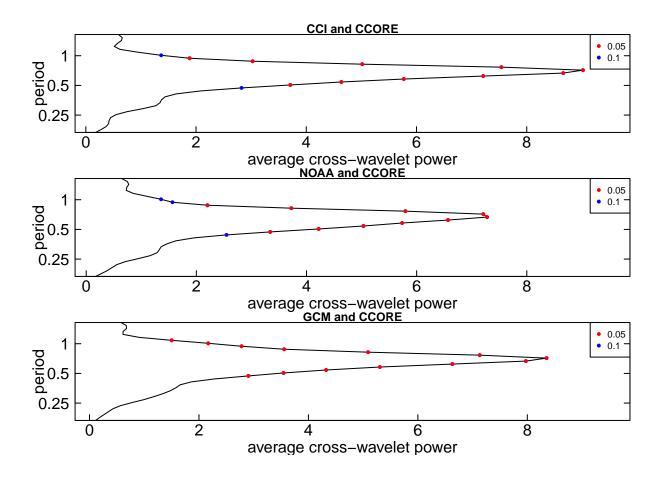




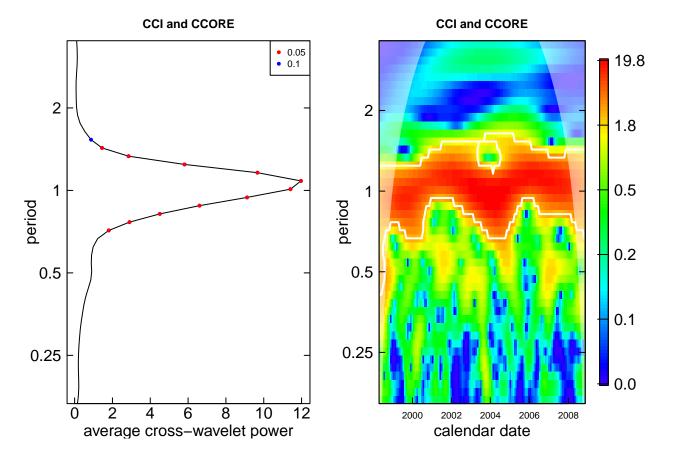


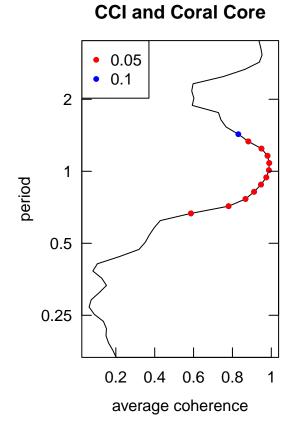


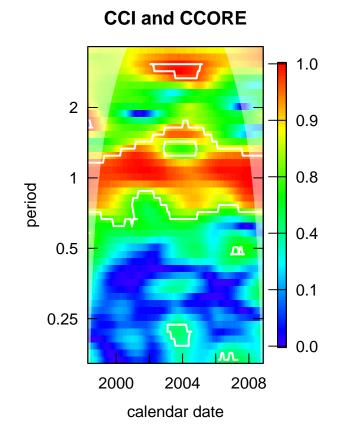


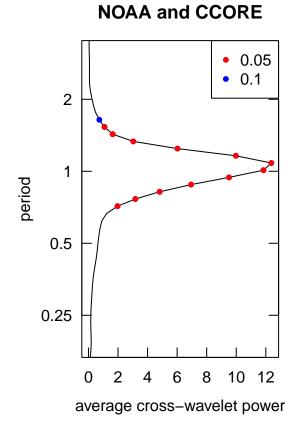


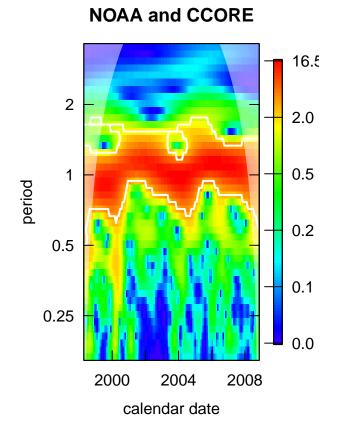
Bundegi 08BND

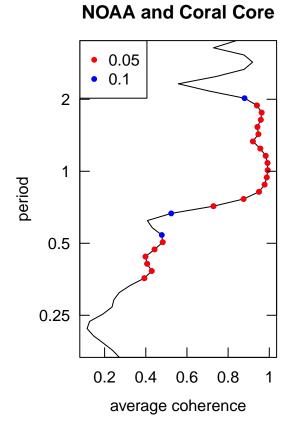


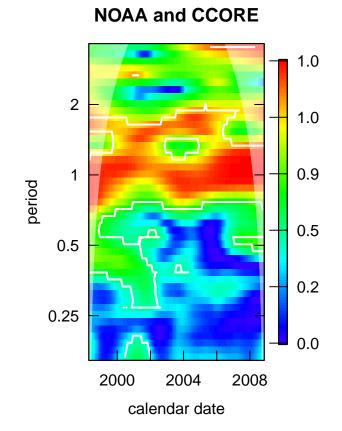


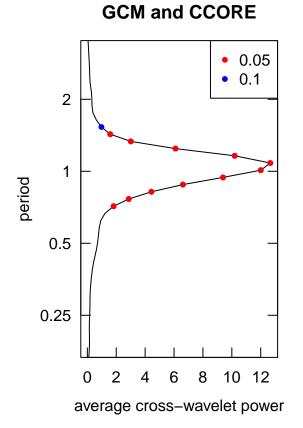


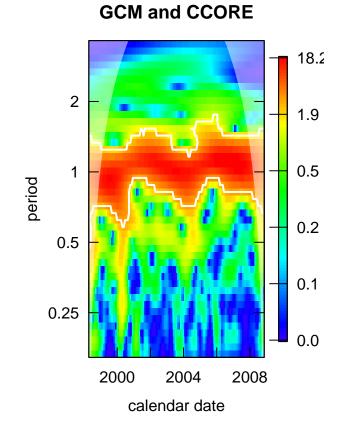


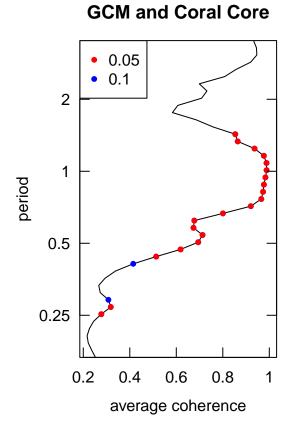


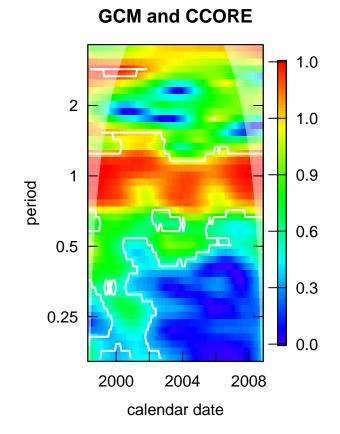


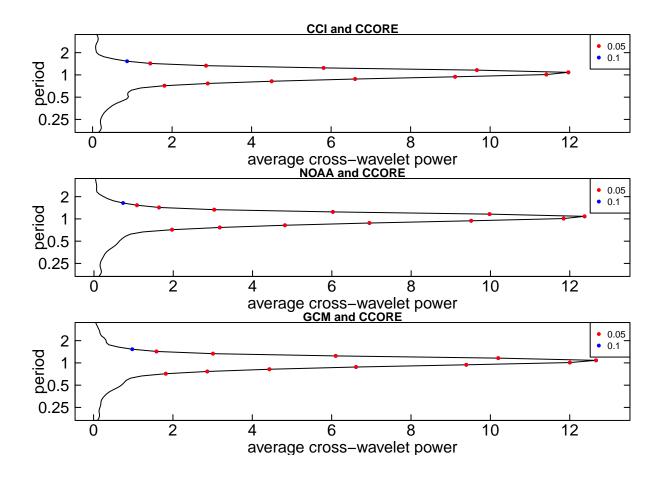






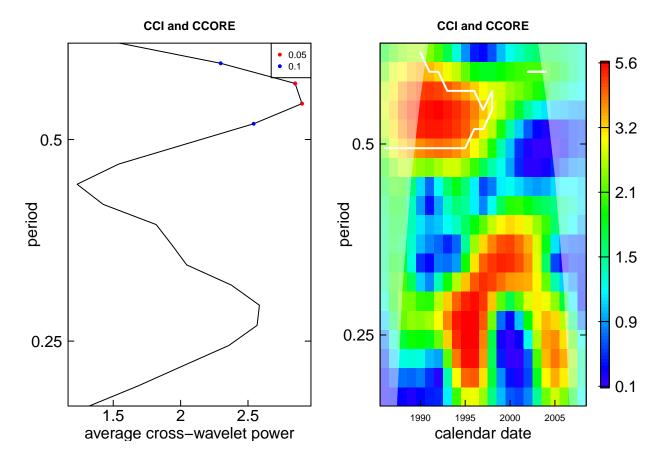


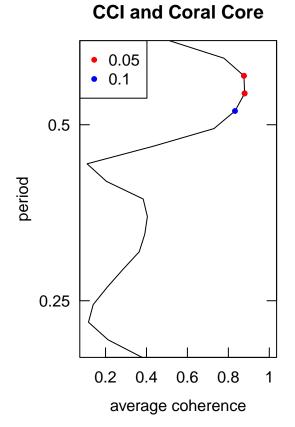


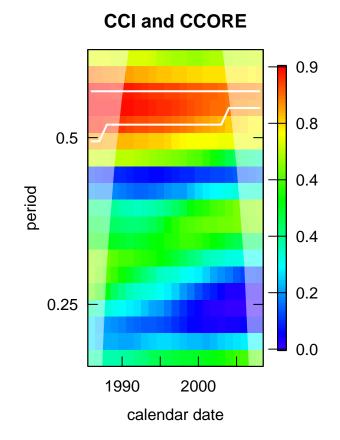


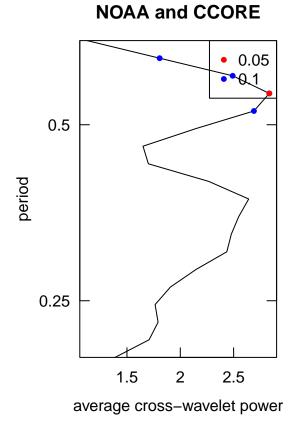
Annual Coral Core Proxy Sites - Period of one represents 10 years

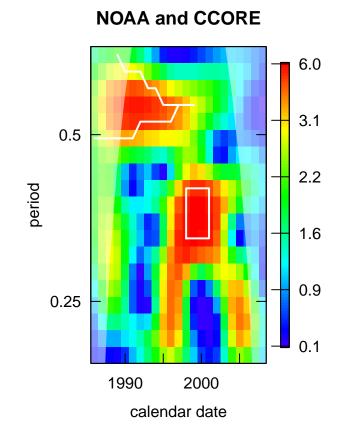
TNT07C



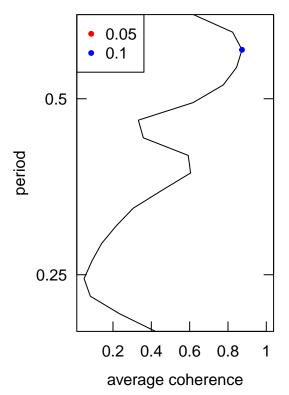




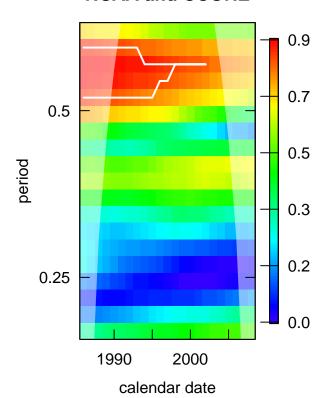


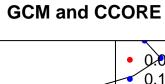


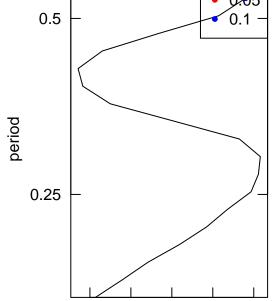




NOAA and **CCORE**







1.5

1

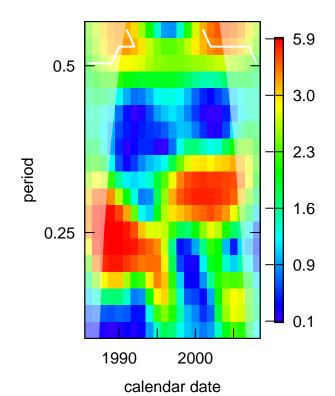
2

average cross-wavelet power

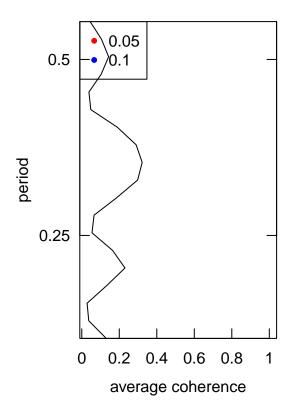
2.5

3

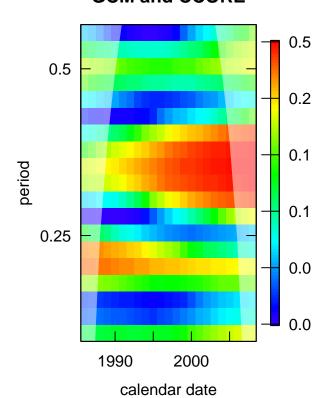
GCM and CCORE

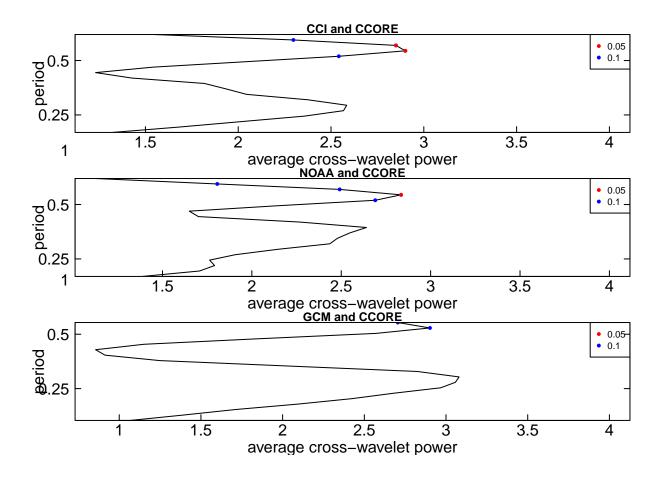




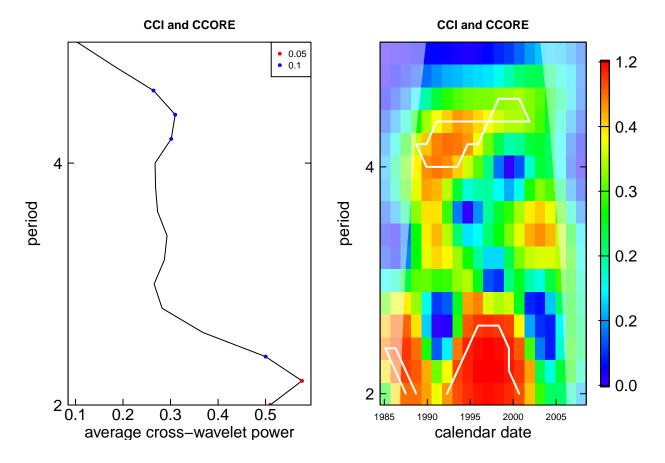


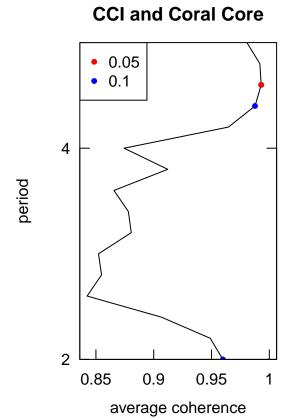
GCM and CCORE

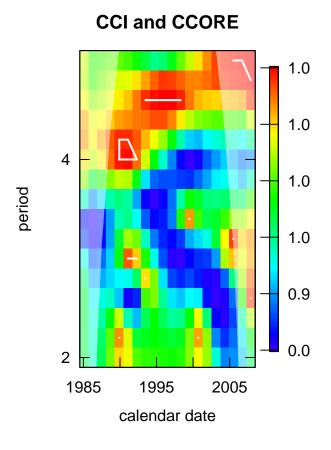


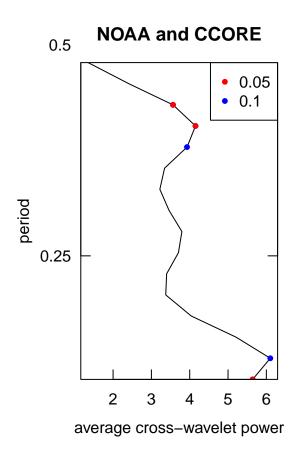


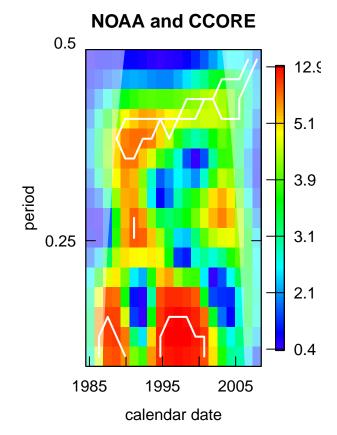
BUN05A

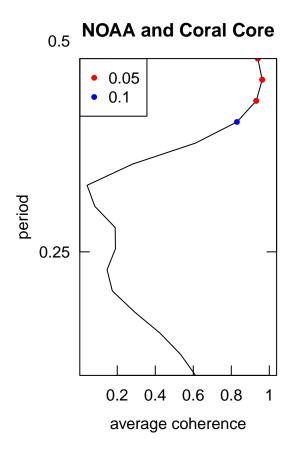


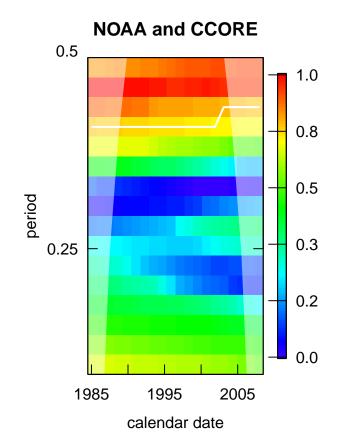


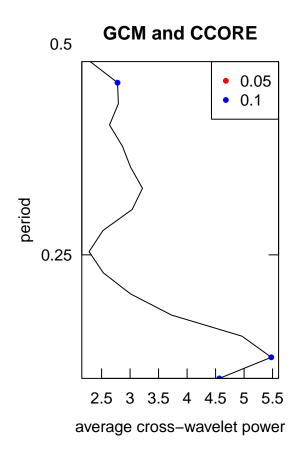


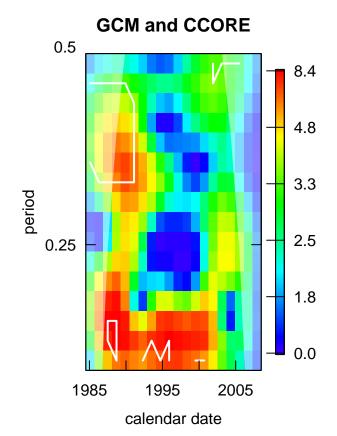


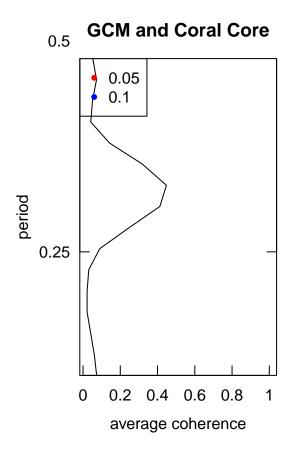


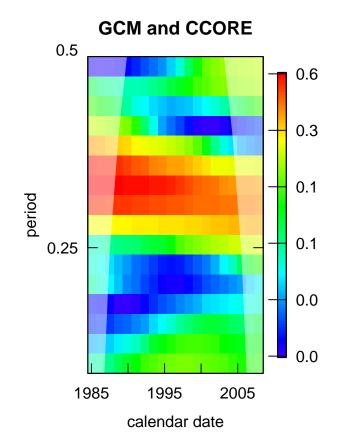


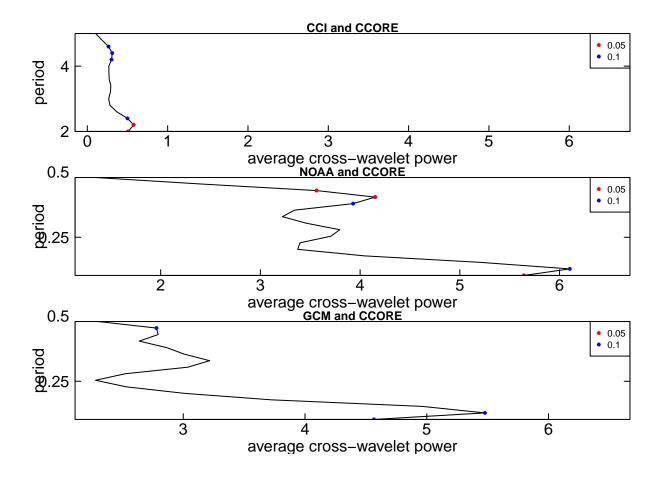




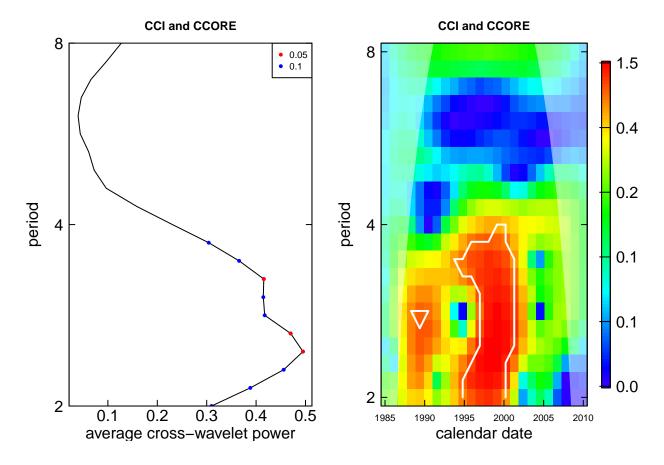


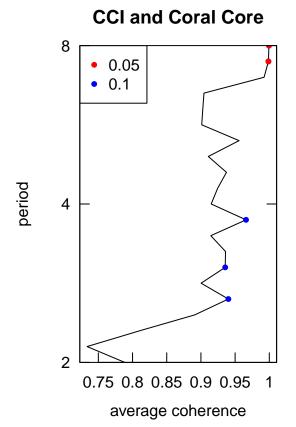


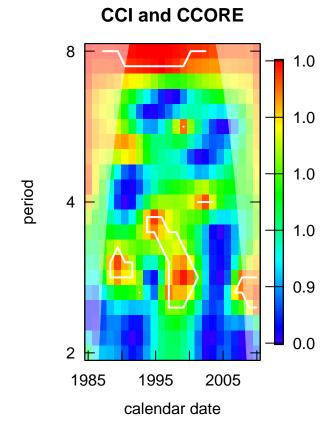


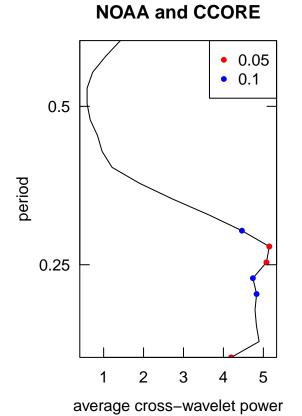


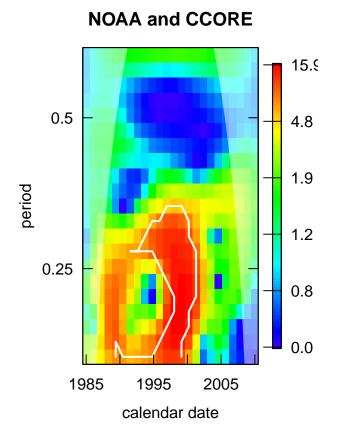
HAB05B



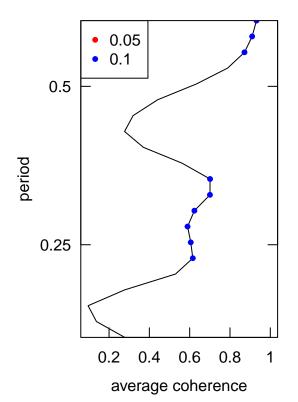




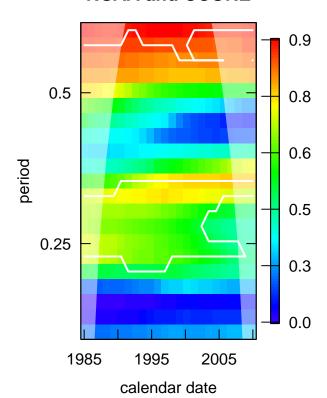


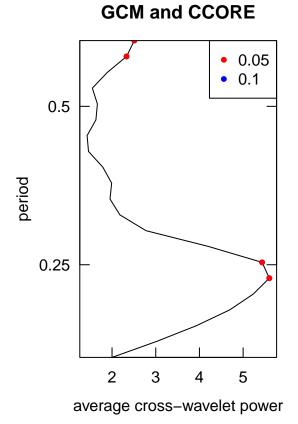


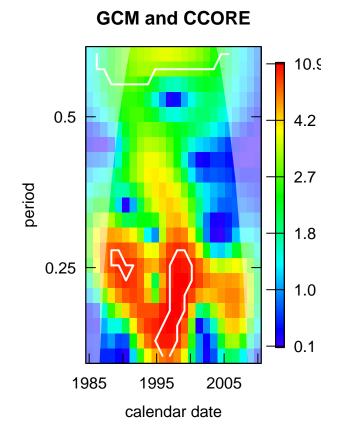


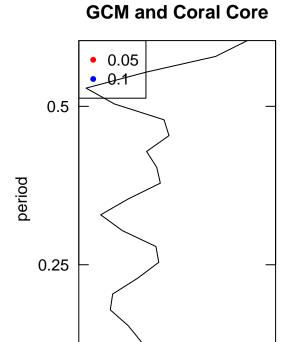


NOAA and **CCORE**









0.2 0.4 0.6 0.8

average coherence

1

