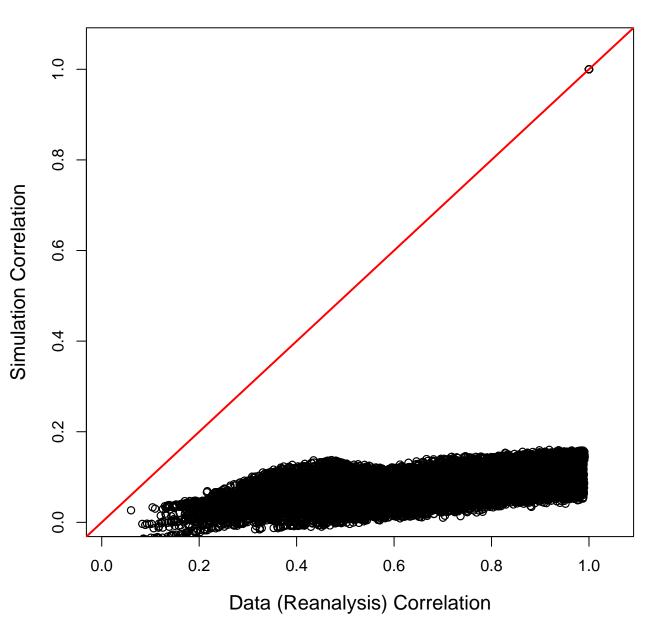
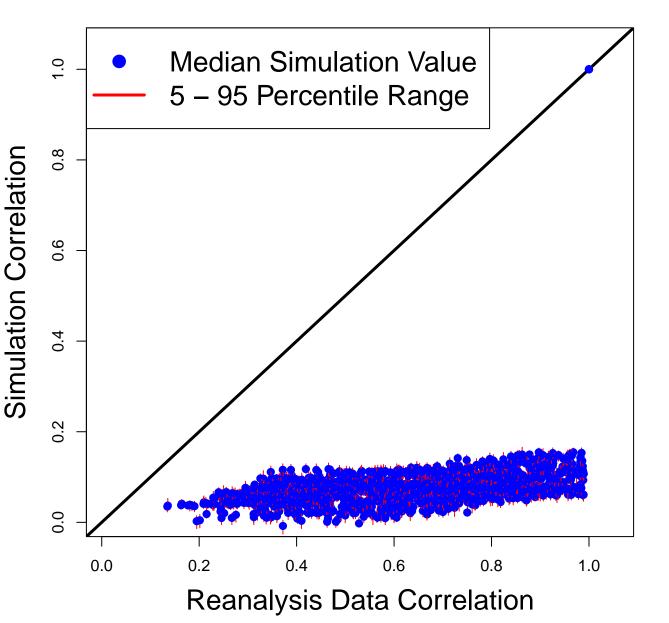
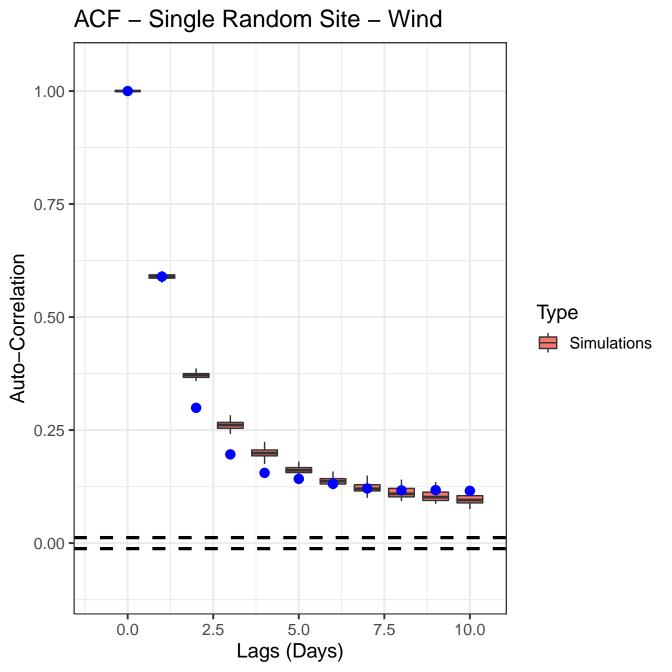


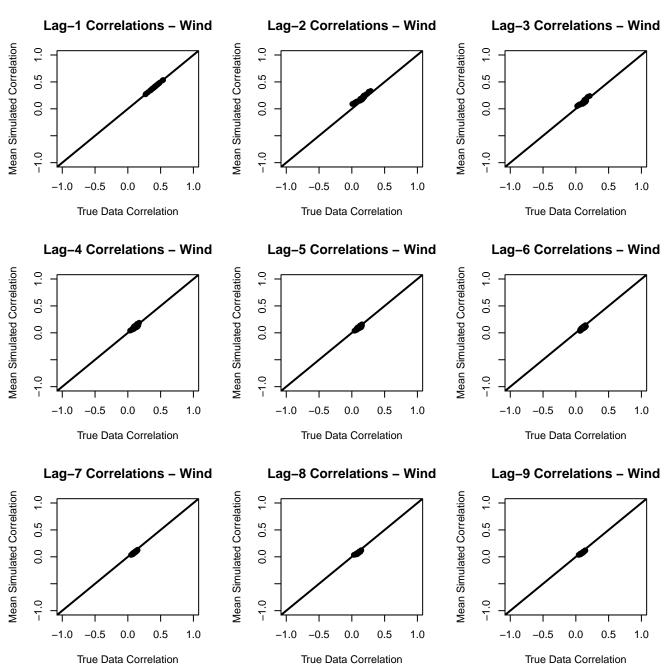
Cross Site Correlations – Wind

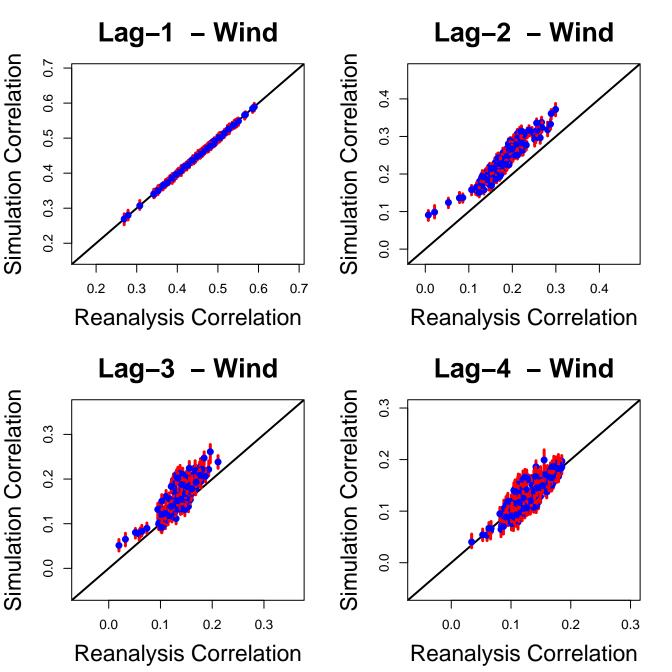


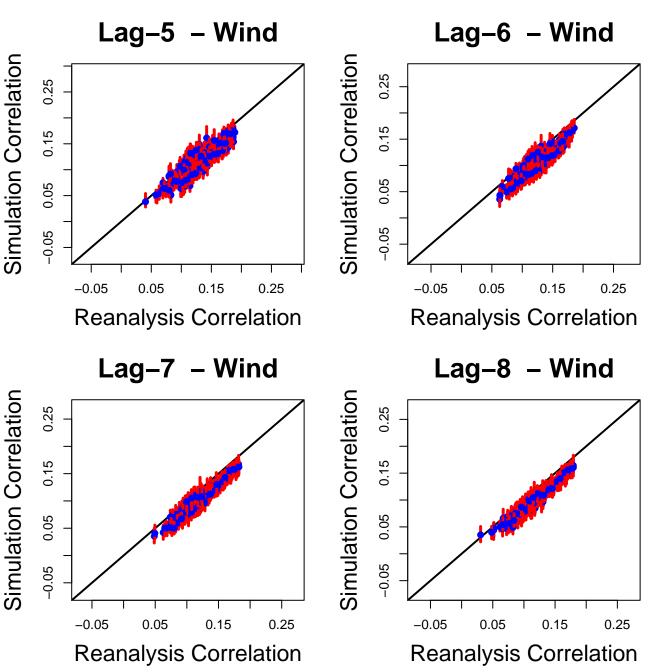
Cross Site Correlations – Wind



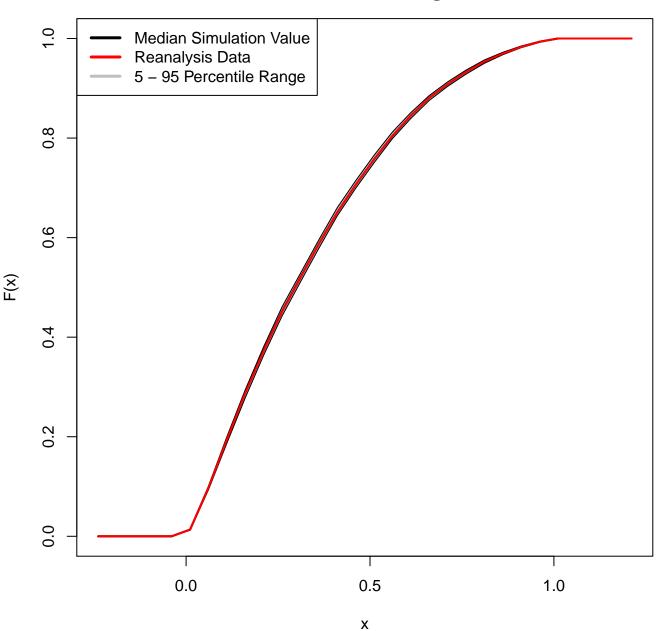




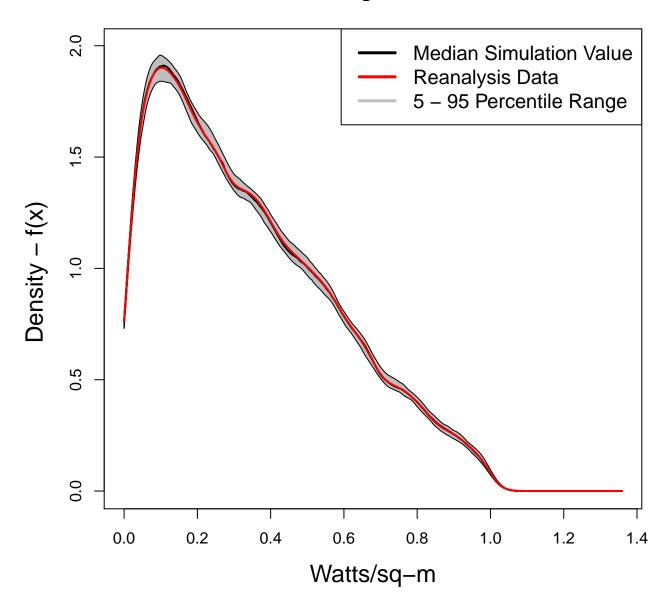


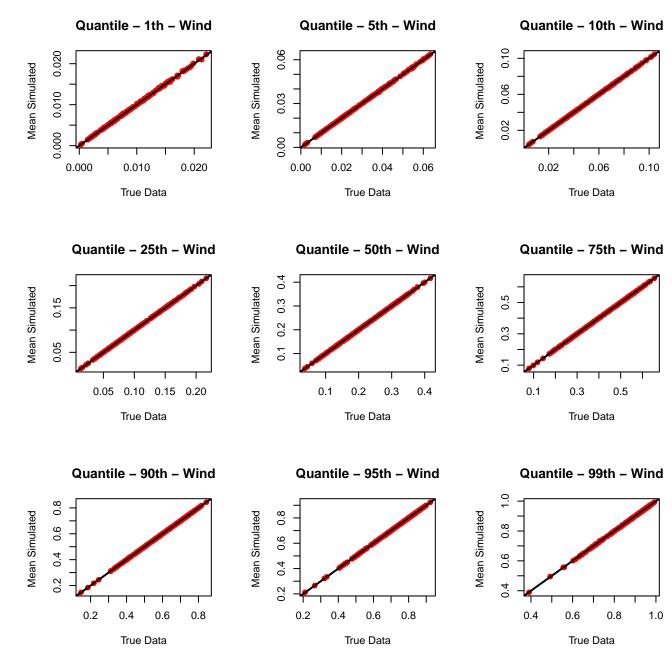


True vs Simulated CDF for Single Site – Wind

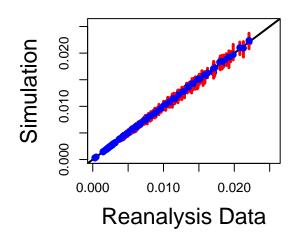


PDF at a single site - Wind

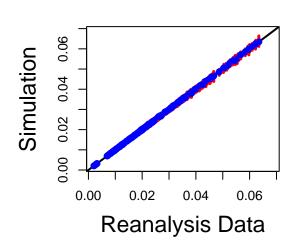




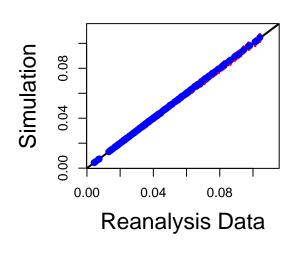
1th Quantile - Wind



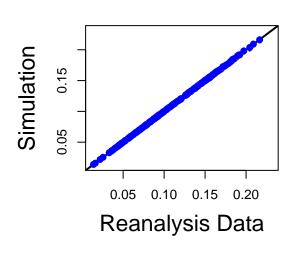
5th Quantile – Wind



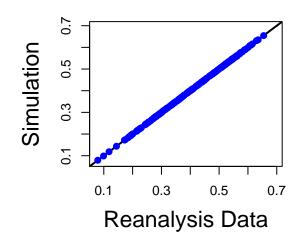
10th Quantile - Wind



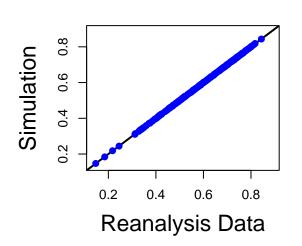
25th Quantile - Wind



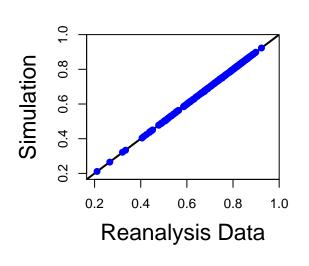
75th Quantile – Wind



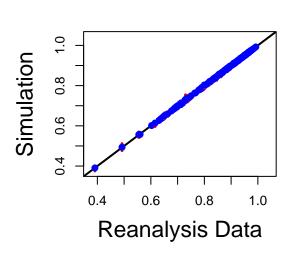
90th Quantile - Wind



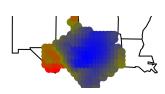
95th Quantile - Wind



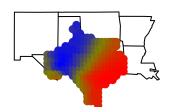
99th Quantile - Wind



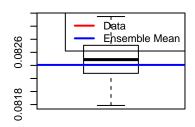
PC-1 - Wind-63%



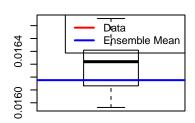
PC-2 - Wind-13%



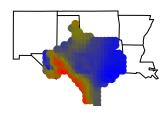
Simulated PC-1 Variance Wind



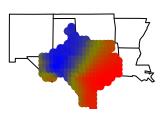
Simulated PC-2 Variance Wind



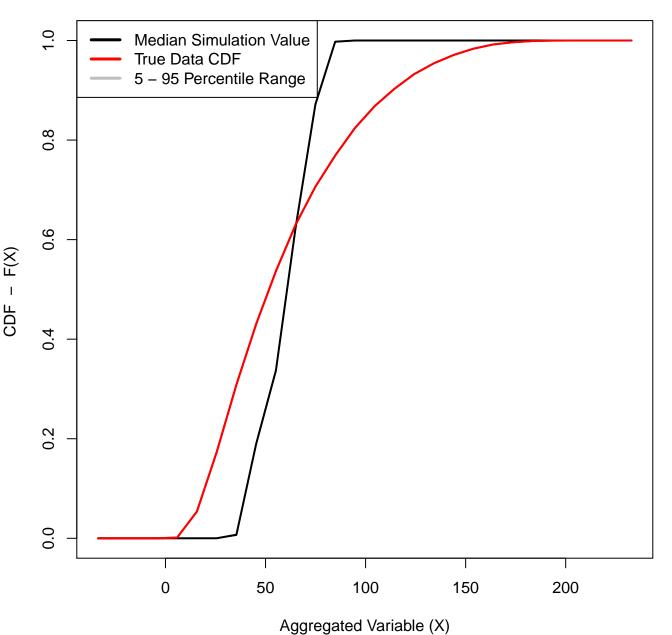
Ensemble Mean PC-1 - Wind-8%



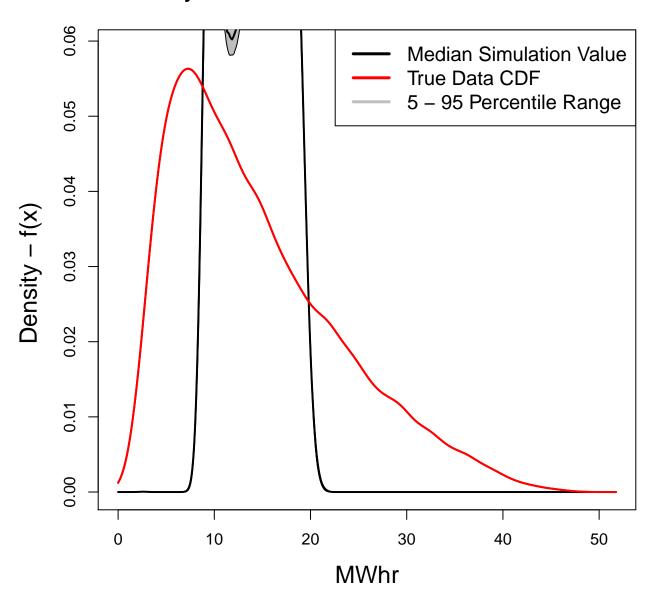
Ensemble Mean PC-2 - Wind-2%

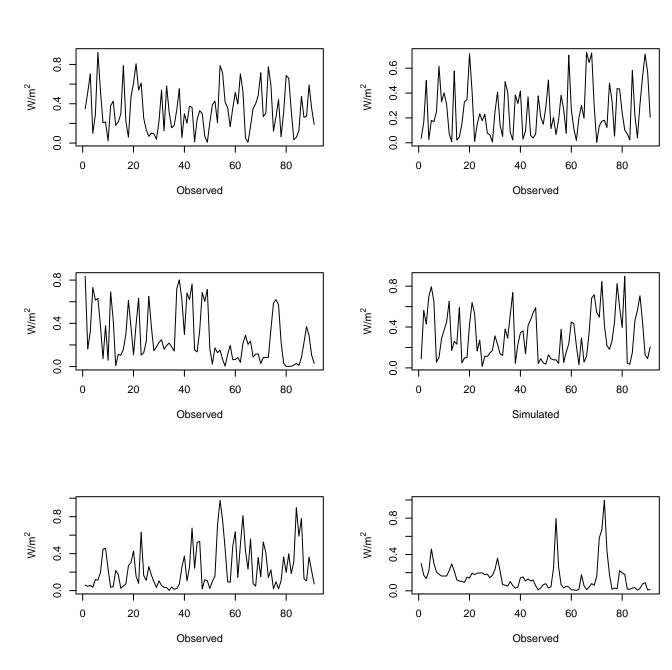


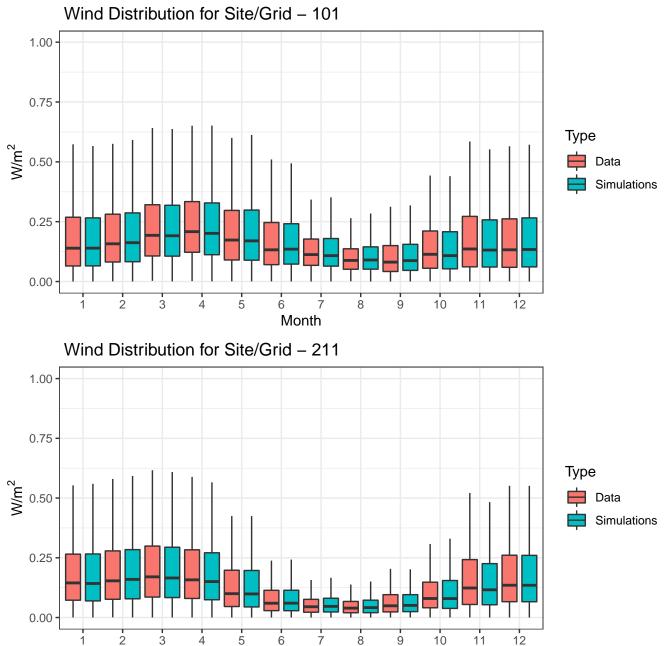
Simulated CDF for Entire Field - Wind



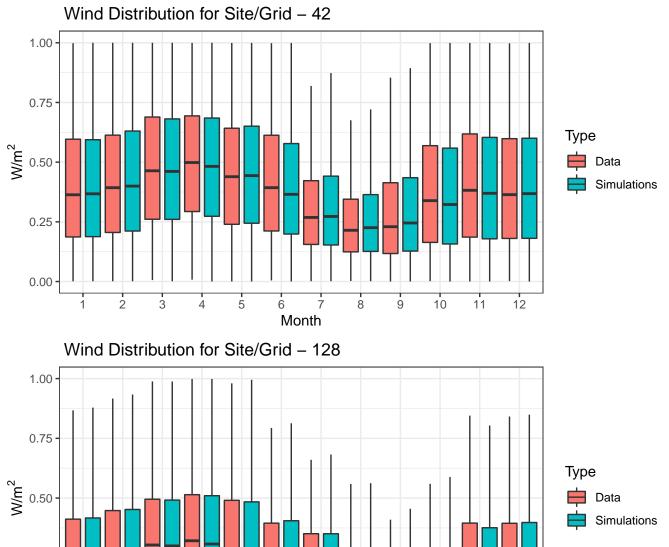
Daily Generation Potential across ERCOT – Wind

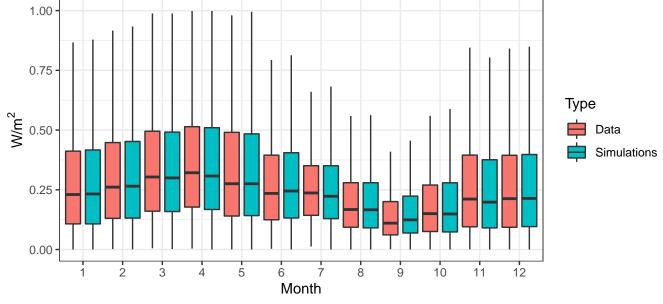


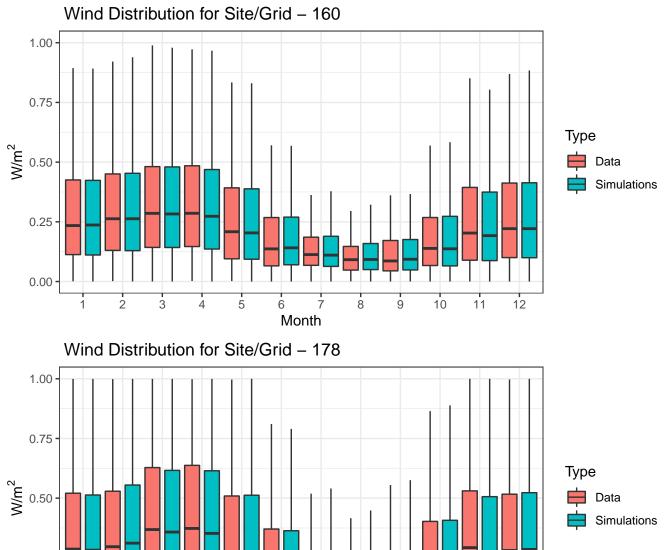


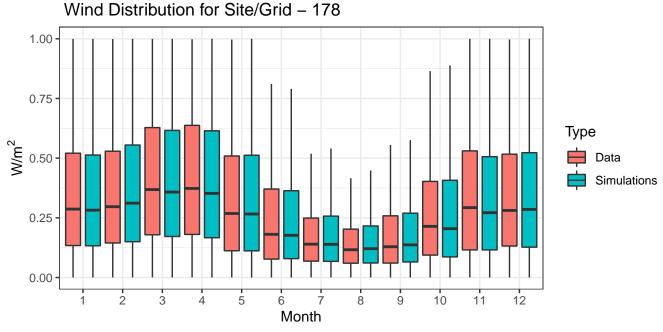


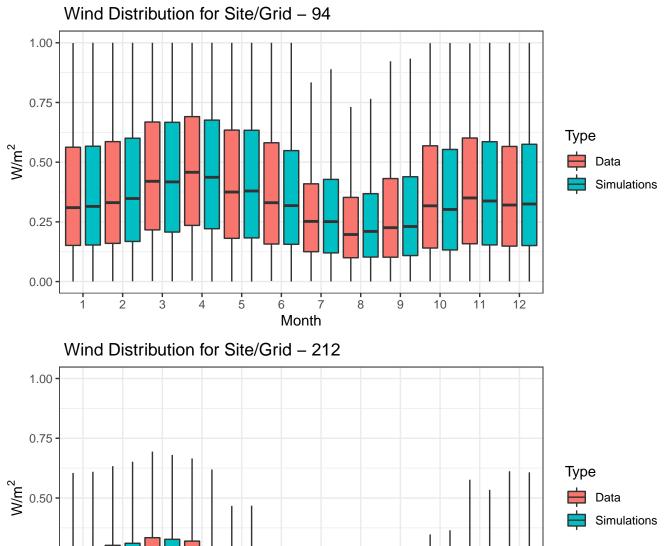
Month

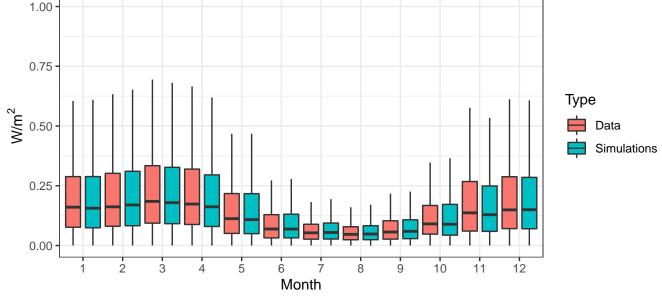


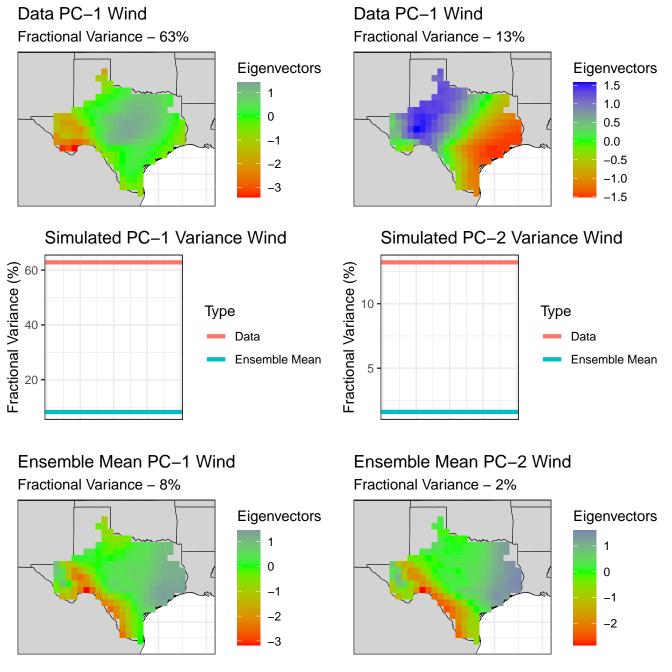




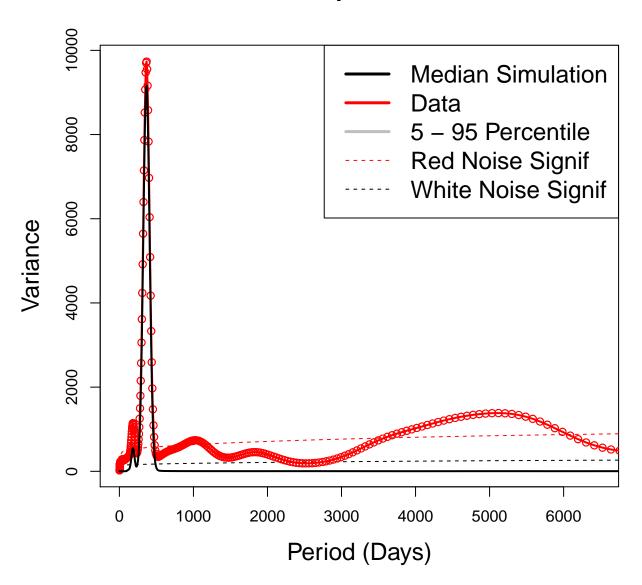




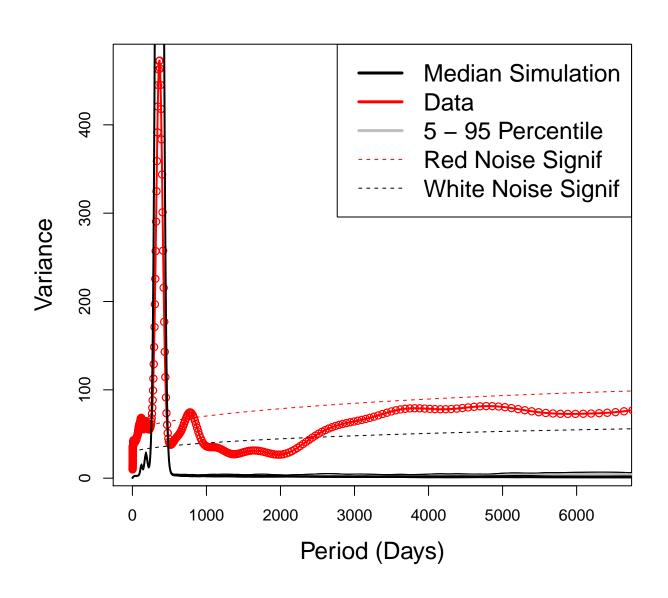


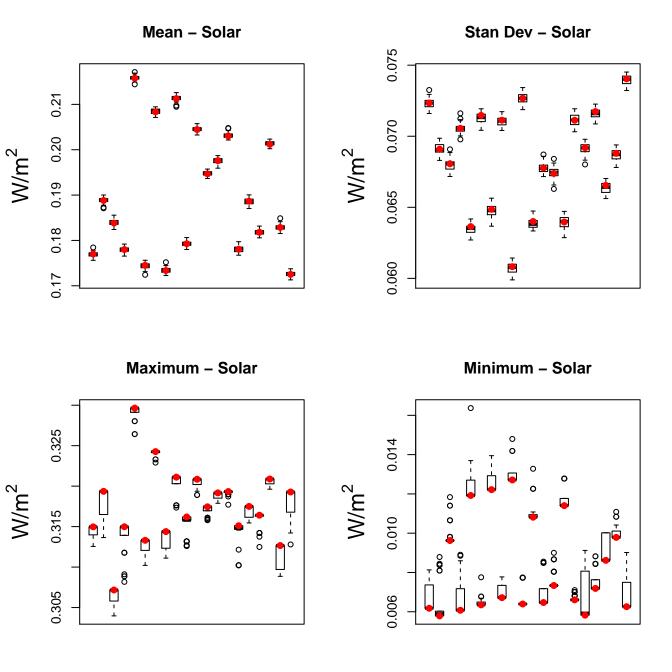


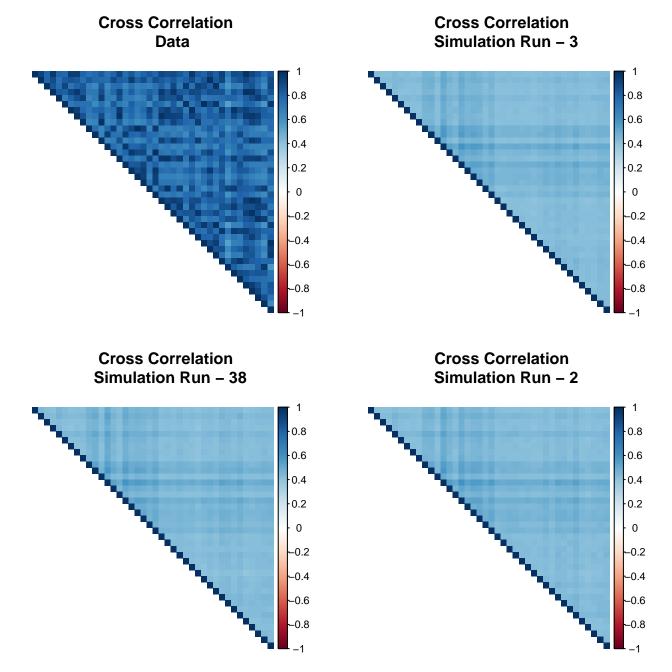
Global Wavelet Spectrum PC - 1 Wind



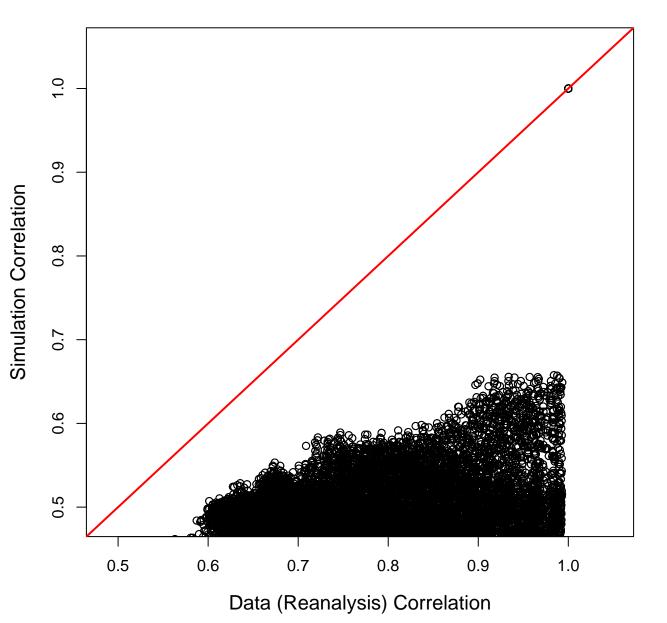
Global Wavelet Spectrum PC - 2 Wind



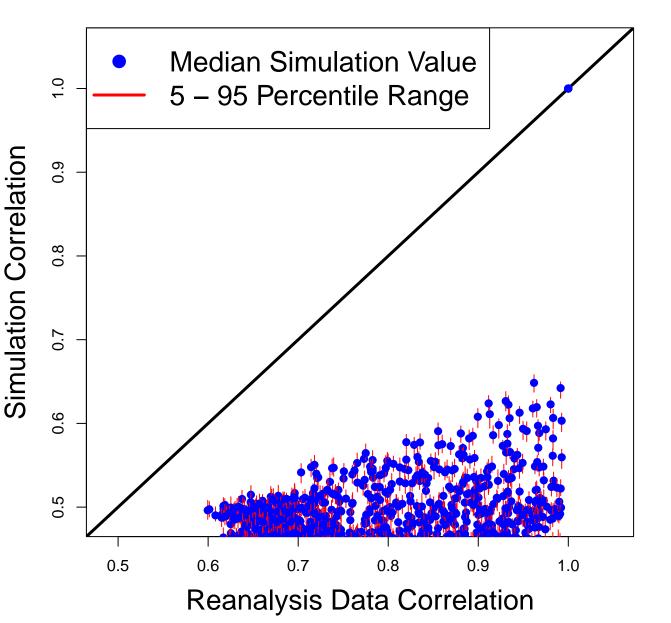


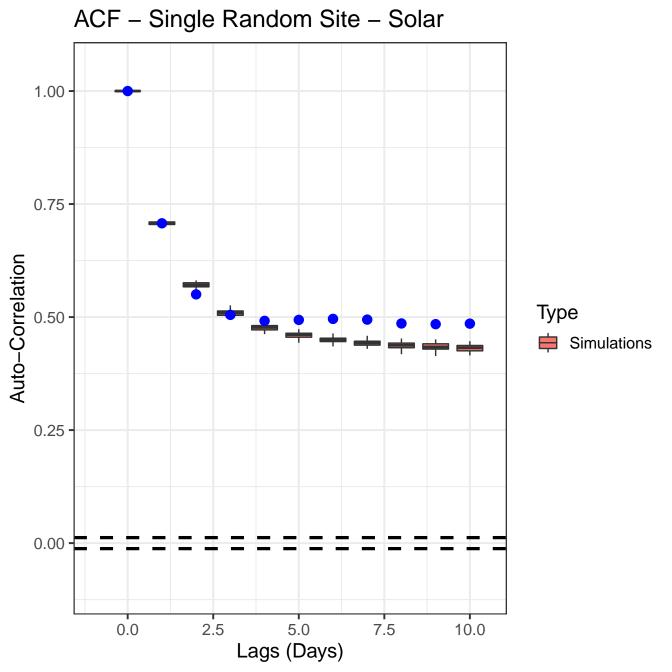


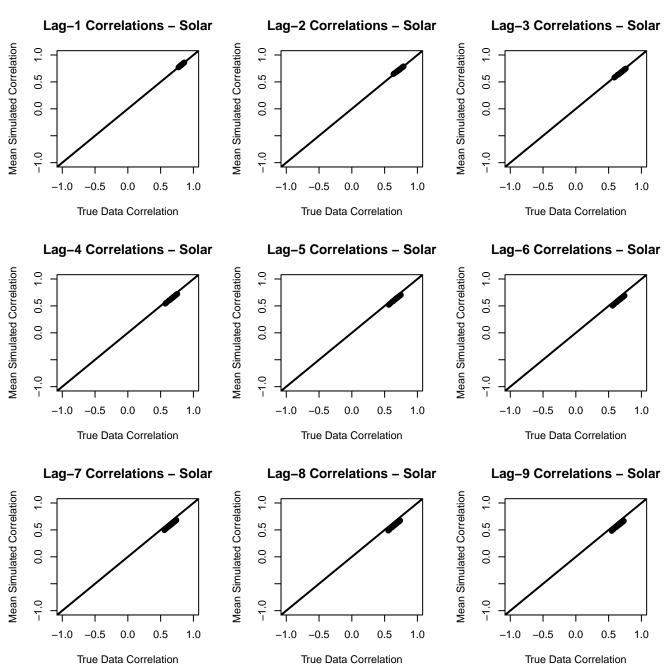
Cross Site Correlations – Solar

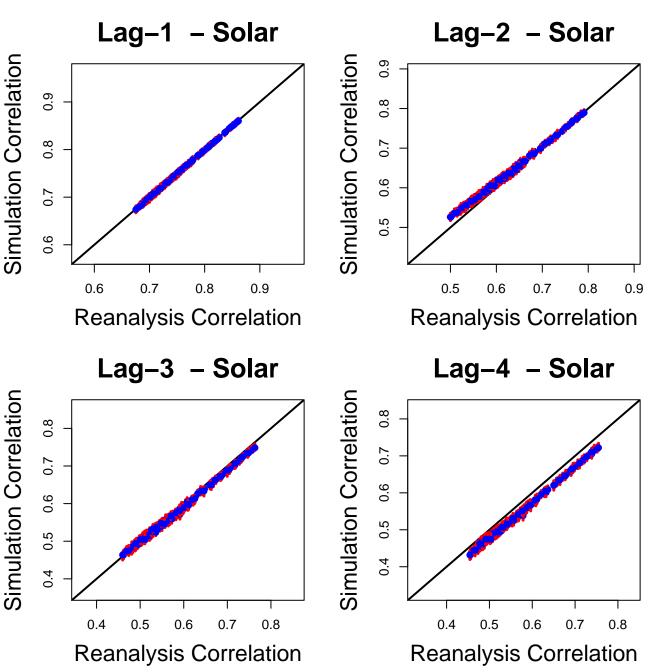


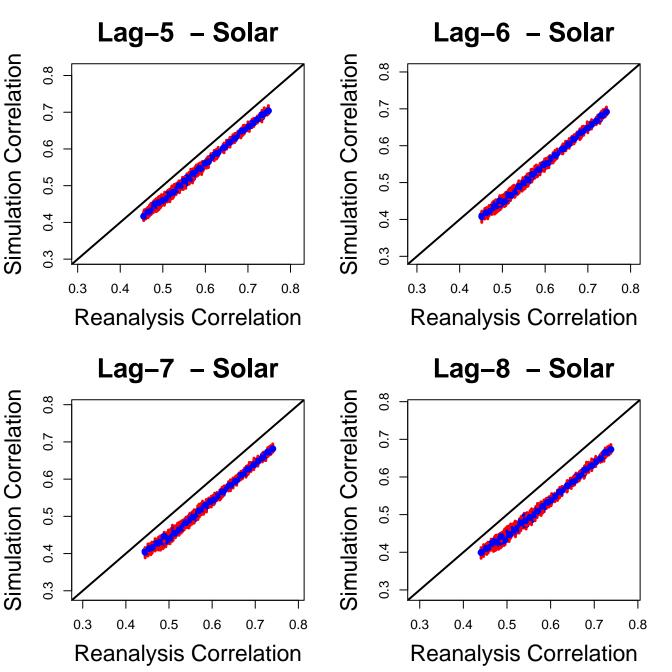
Cross Site Correlations – Solar



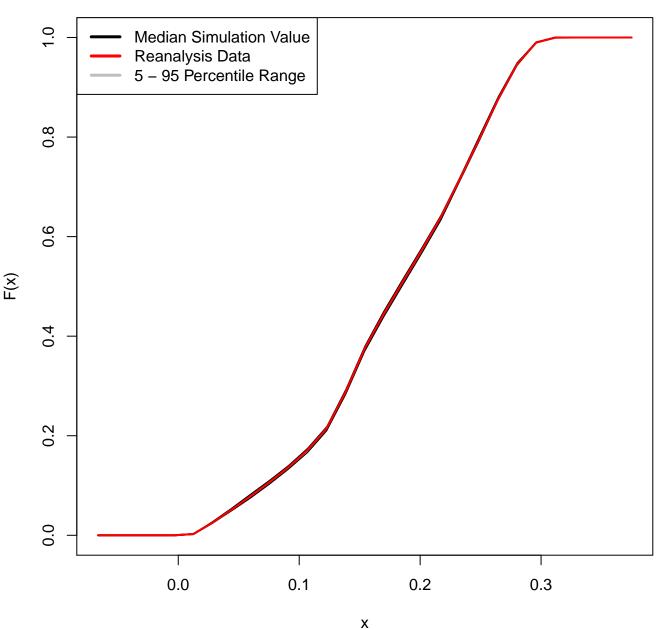




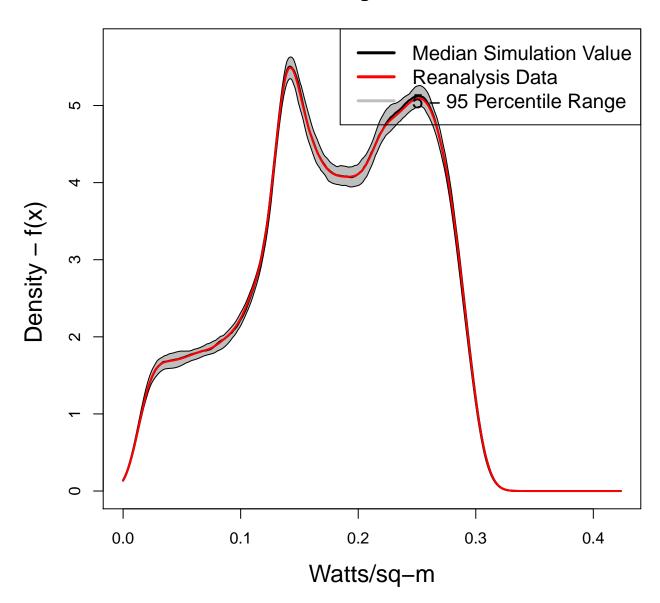


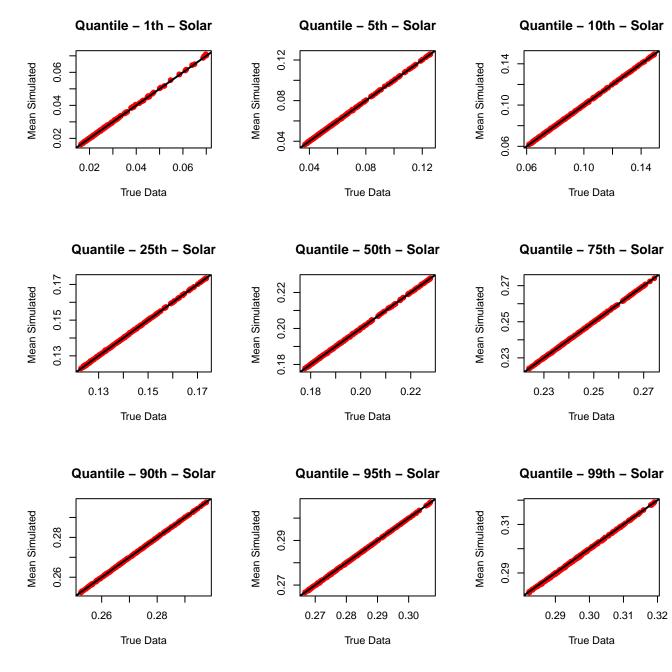


True vs Simulated CDF for Single Site – Solar

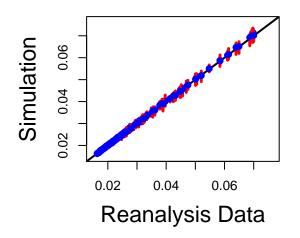


PDF at a single site - Solar

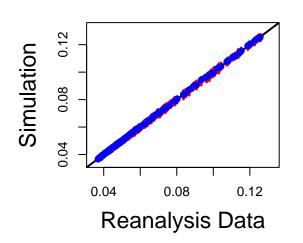




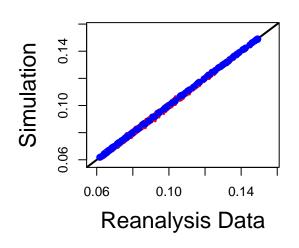
1th Quantile - Solar



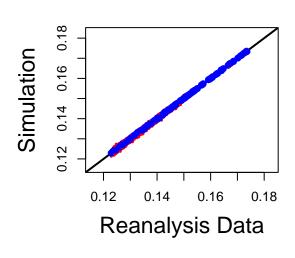
5th Quantile – Solar



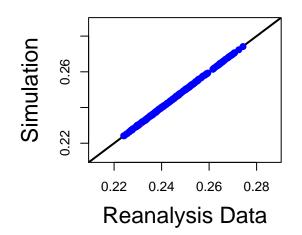
10th Quantile - Solar



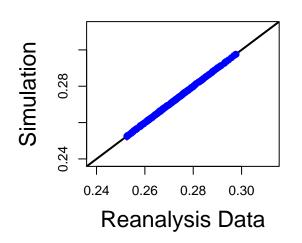
25th Quantile - Solar



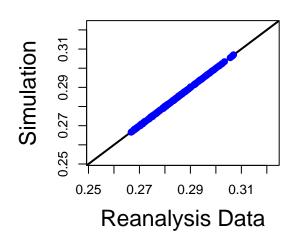
75th Quantile – Solar



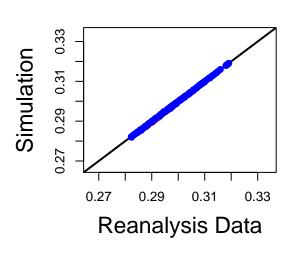
90th Quantile - Solar



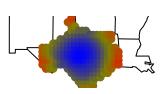
95th Quantile - Solar



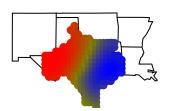
99th Quantile - Solar



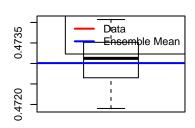
PC-1 - Solar-79%



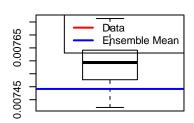
PC-2 - Solar-7%



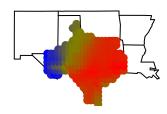
Simulated PC-1 Variance Solar



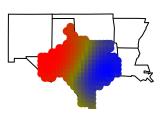
Simulated PC-2 Variance Solar



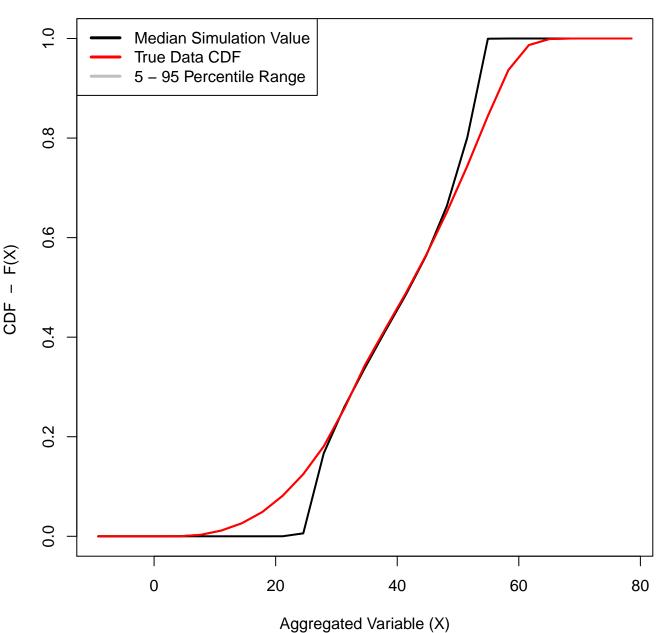
Ensemble Mean PC-1 - Solar-47%



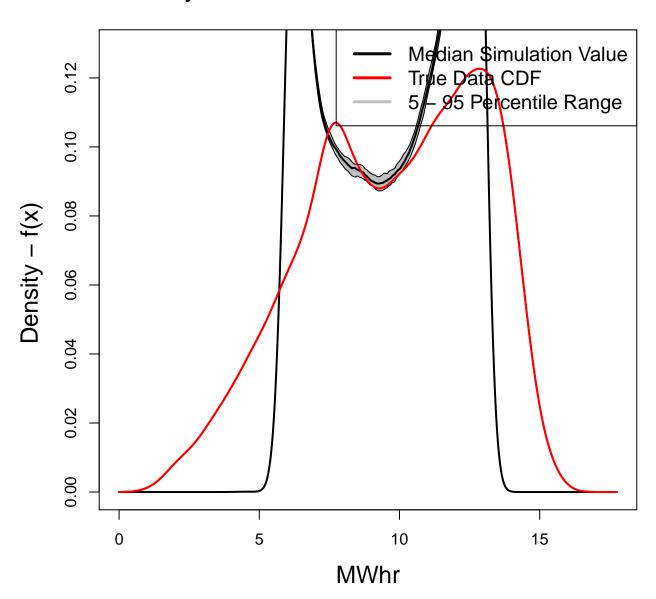
Ensemble Mean PC-2 - Solar-1%

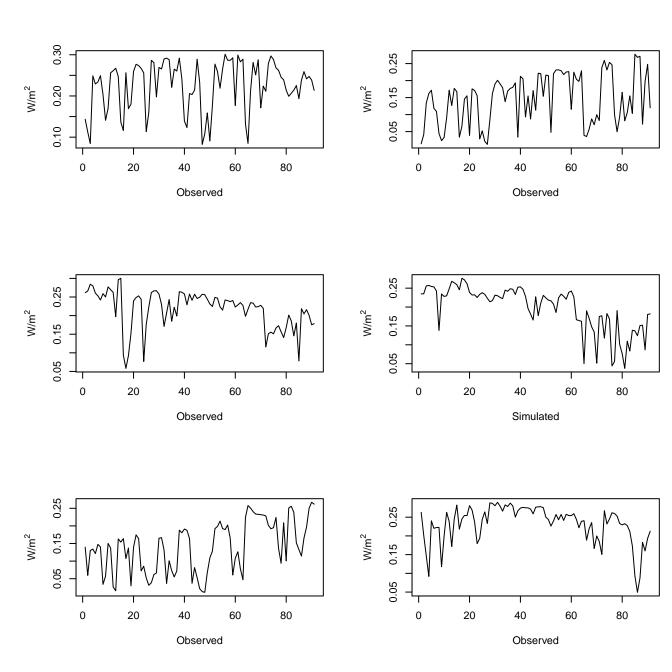


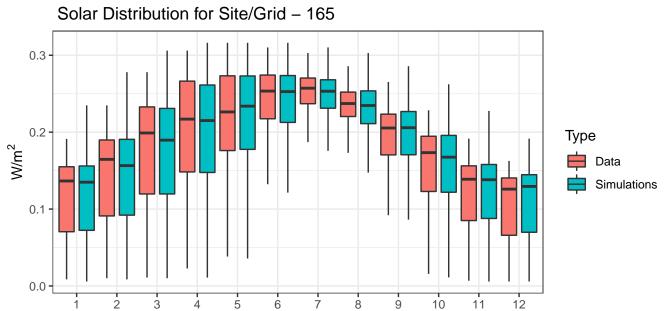
Simulated CDF for Entire Field – Solar

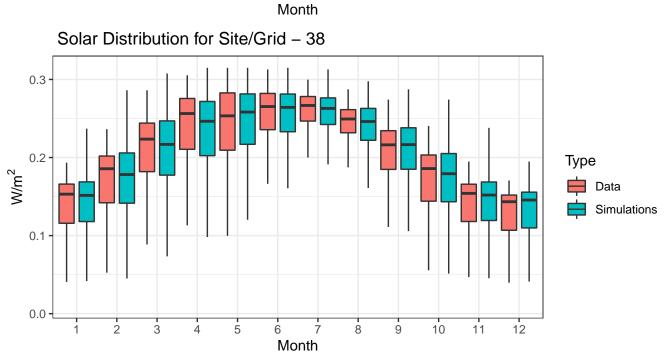


Daily Generation Potential across ERCOT – Solar









Solar Distribution for Site/Grid – 192 0.3 0.2 -Туре W/m^2 Data

9

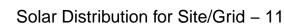
10

11

12

8

Simulations



4

3

2

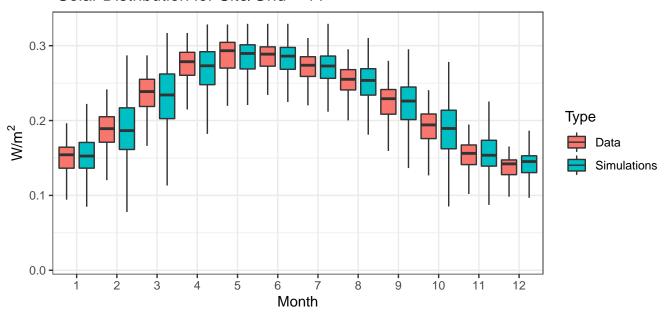
5

6

Month

0.1 -

0.0



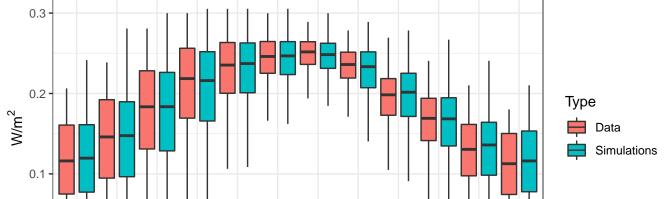
Solar Distribution for Site/Grid - 141 0.3 0.2 -Type W/m^2 Data Simulations 0.1 -0.0 -

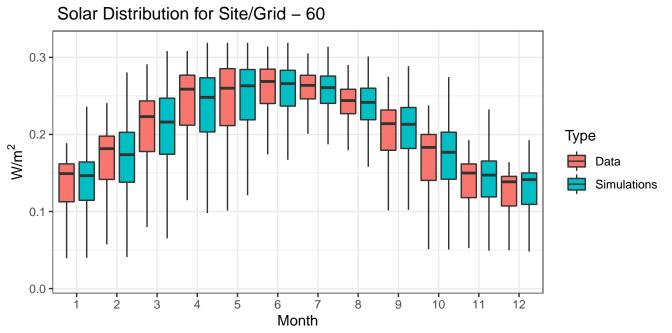
0.0

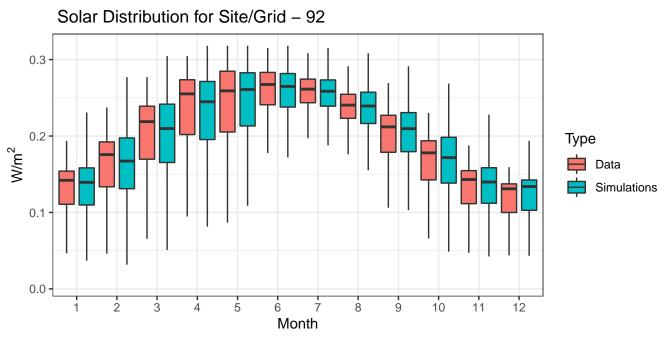
Solar Distribution for Site/Grid - 144

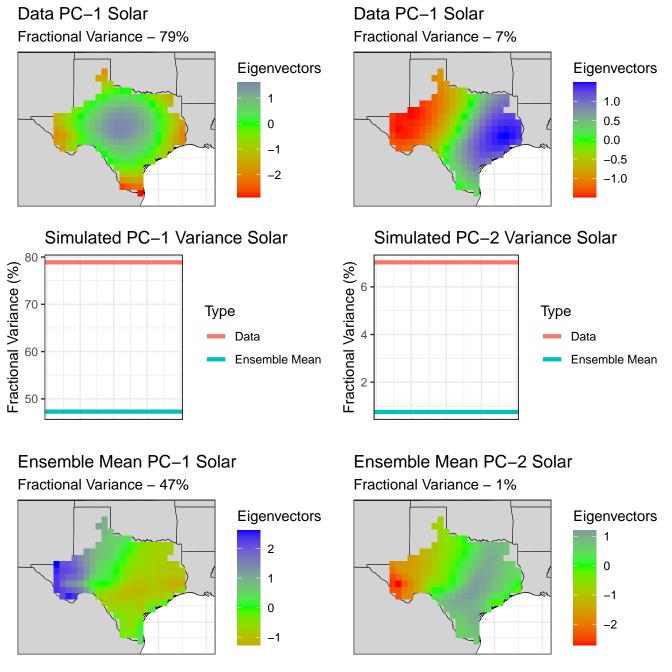
Month

Month

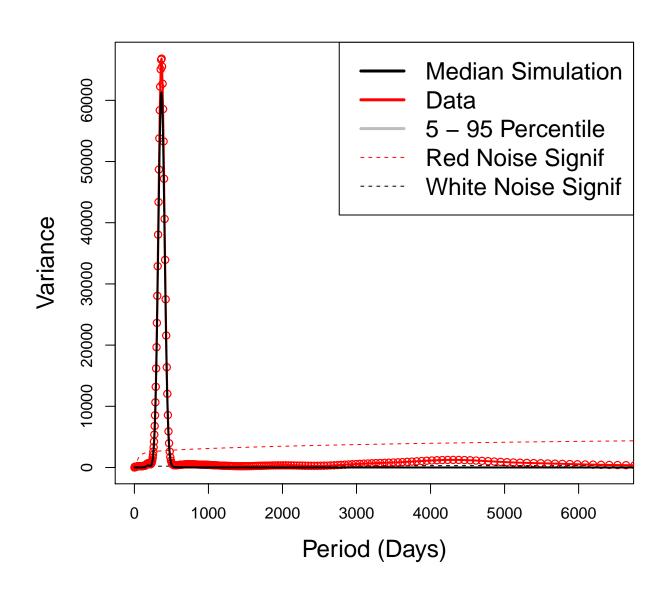




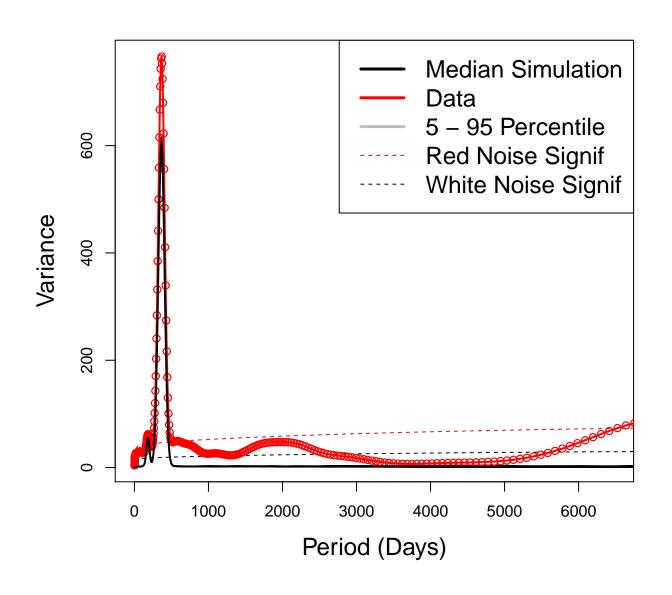




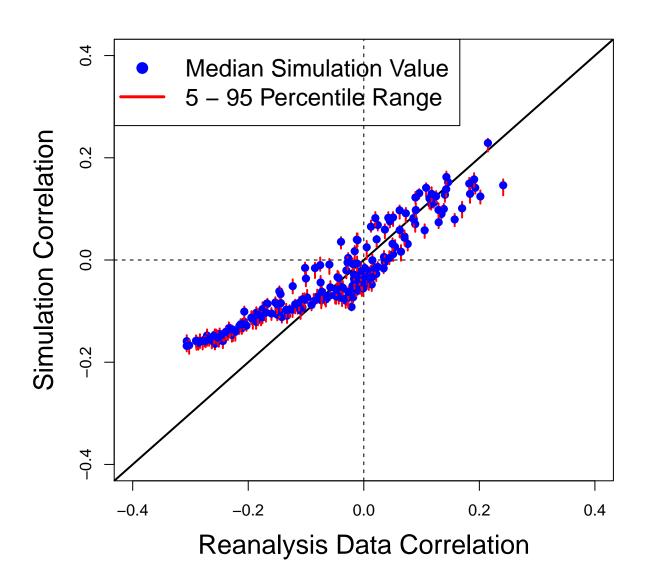
Global Wavelet Spectrum PC – 1 Solar



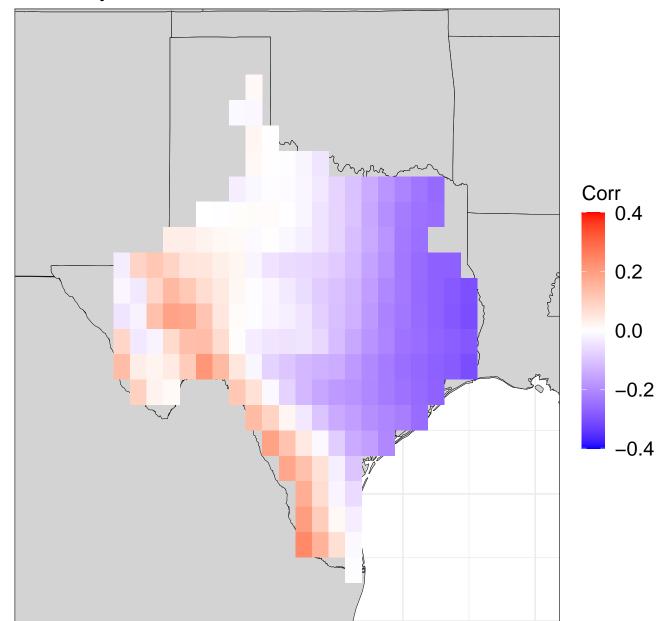
Global Wavelet Spectrum PC – 2 Solar



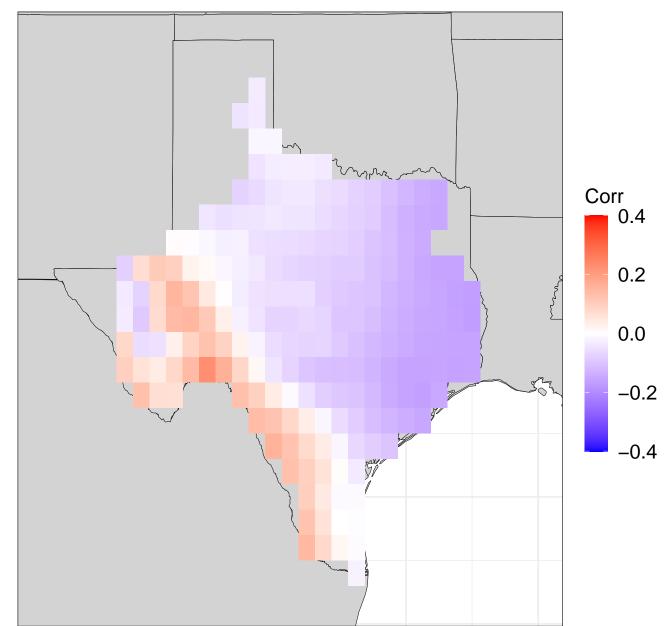
Simulation vs Data Correlation



Reanalysis Data Correlation



Median Simulation Correlation



Difference between Renalysis Data and Simulations

