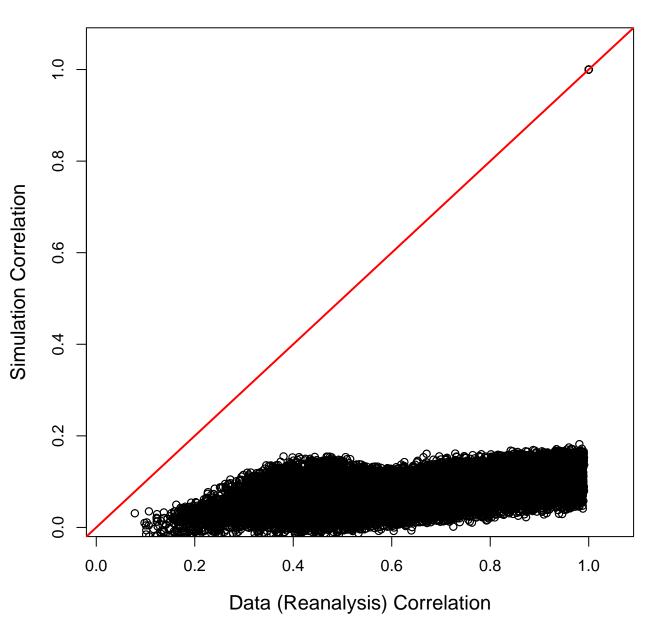
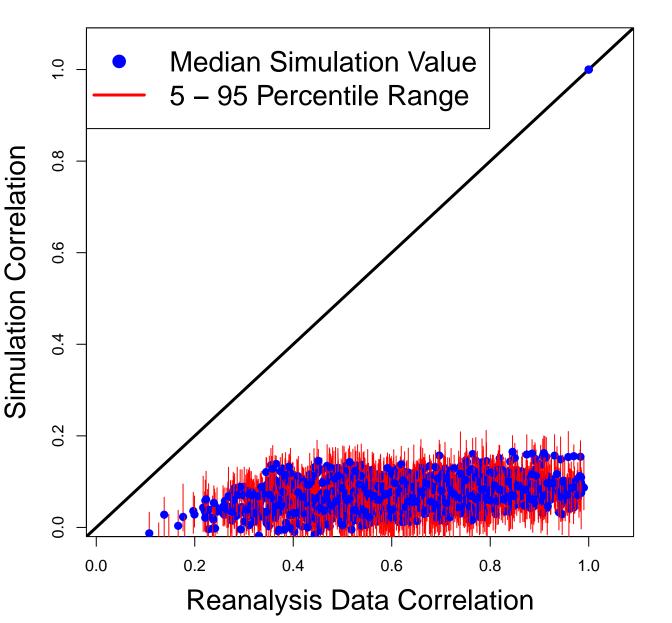
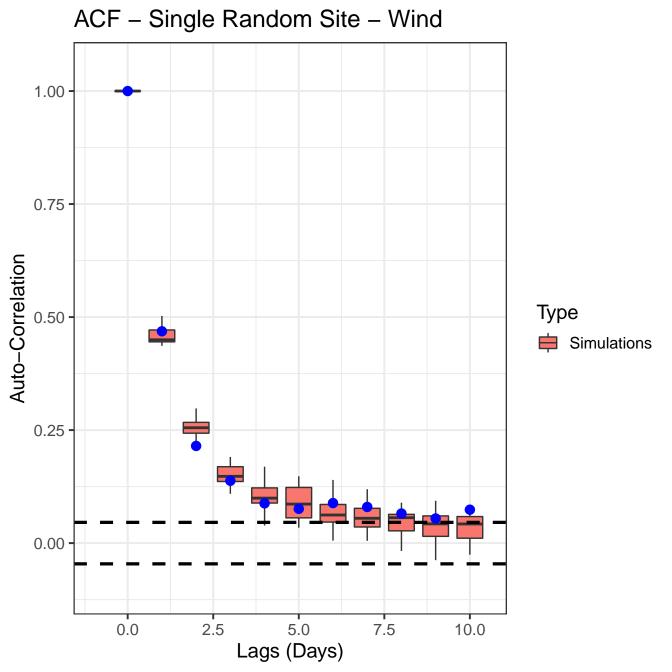


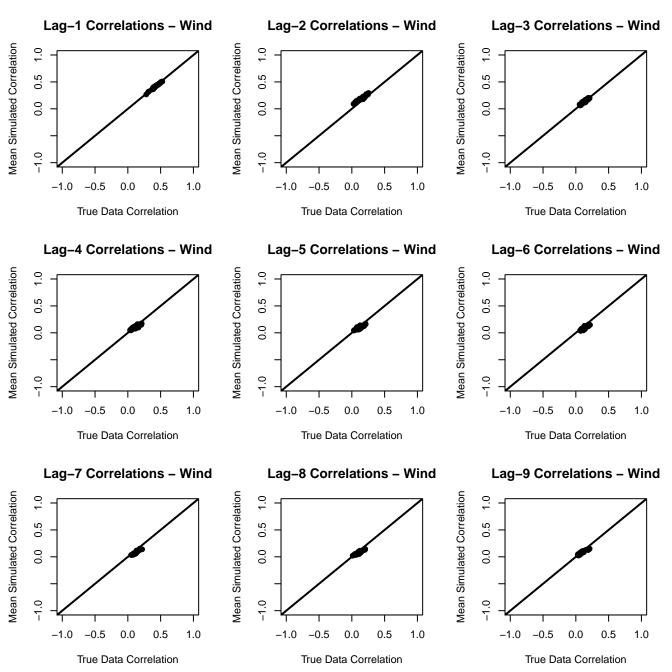
Cross Site Correlations – Wind

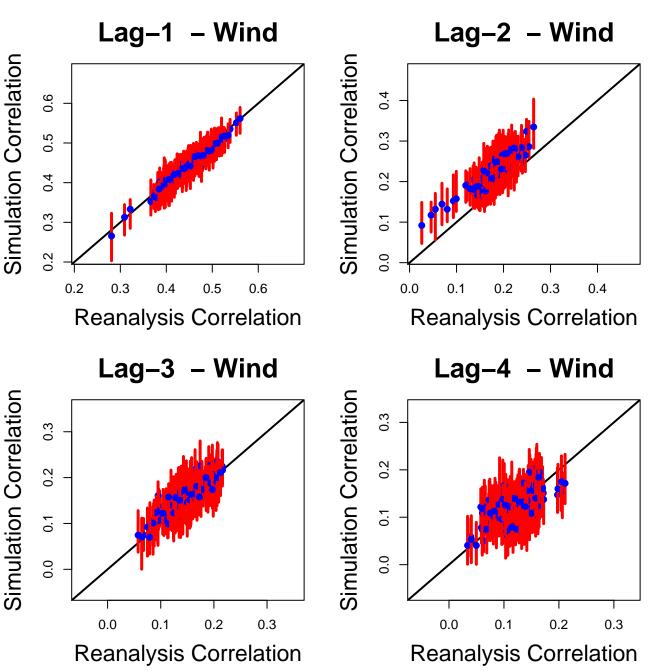


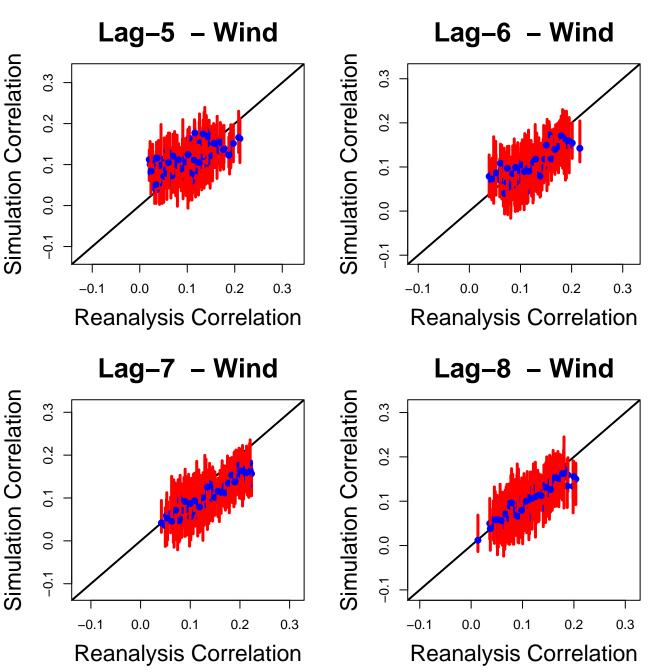
Cross Site Correlations – Wind



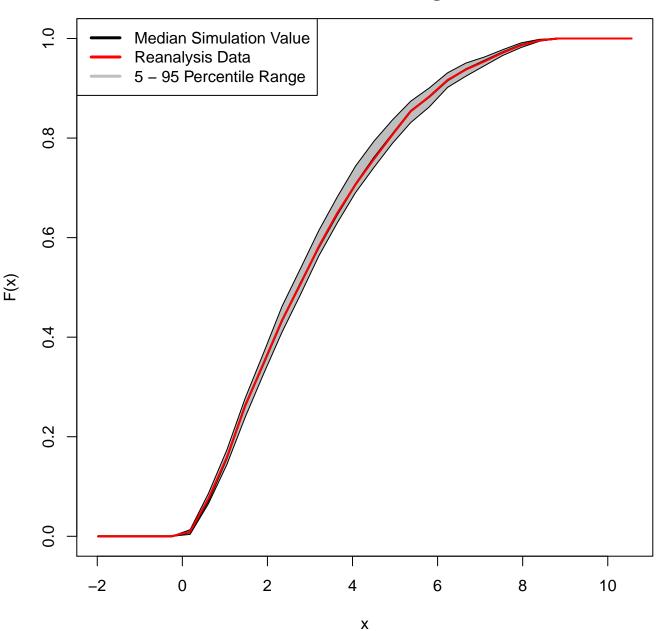




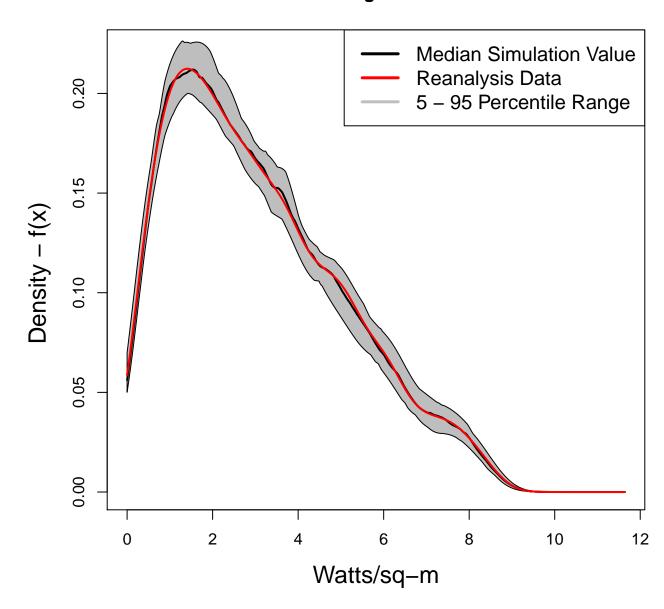


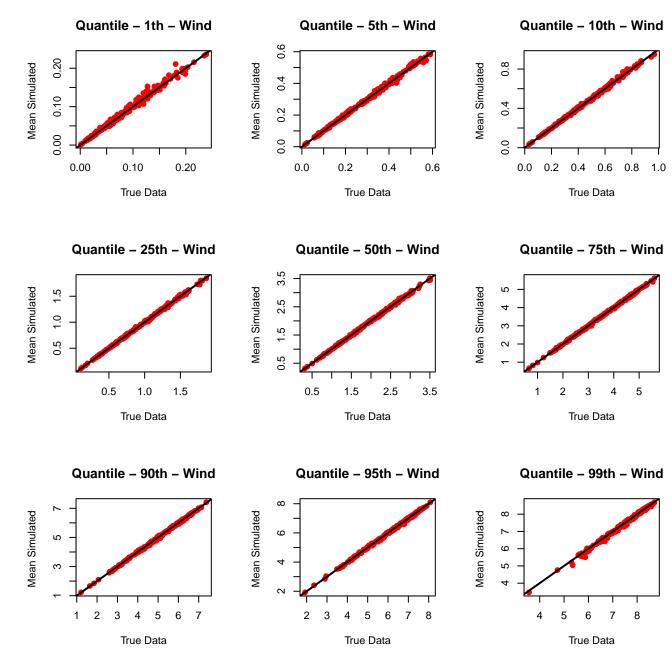


True vs Simulated CDF for Single Site - Wind

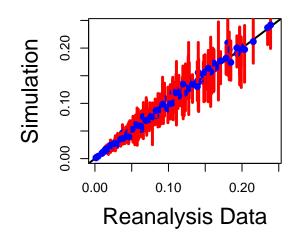


PDF at a single site - Wind

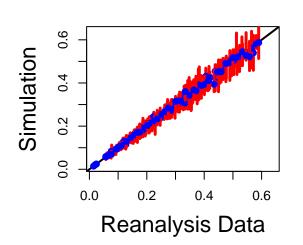




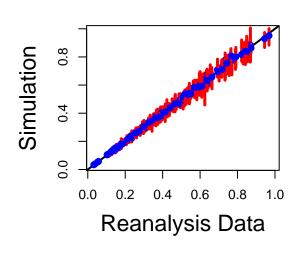
1th Quantile - Wind



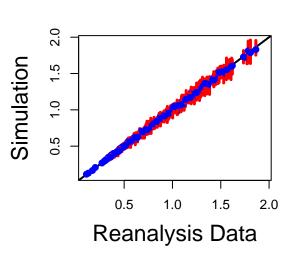
5th Quantile - Wind



10th Quantile - Wind



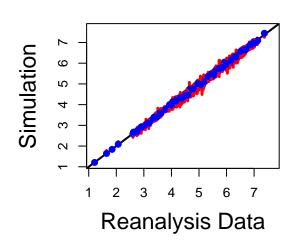
25th Quantile - Wind



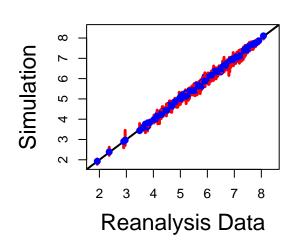
75th Quantile – Wind

Simulation Signal Reanalysis Data

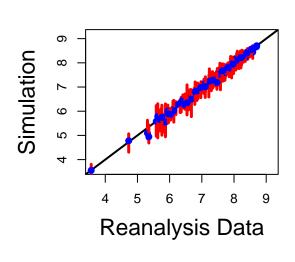
90th Quantile - Wind



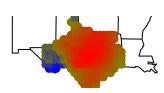
95th Quantile - Wind



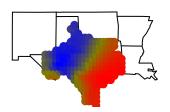
99th Quantile - Wind



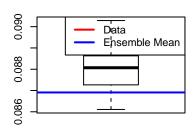
PC-1 - Wind-62%



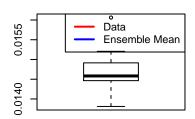
PC-2 - Wind-13%



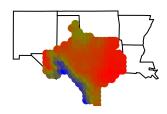
Simulated PC-1 Variance Wind



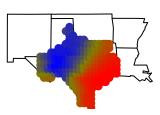
Simulated PC-2 Variance Wind



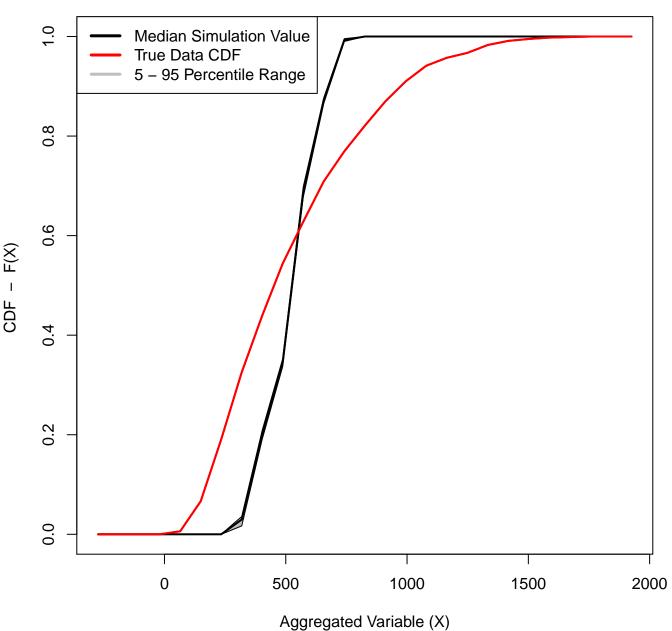
Ensemble Mean PC-1 - Wind-9%



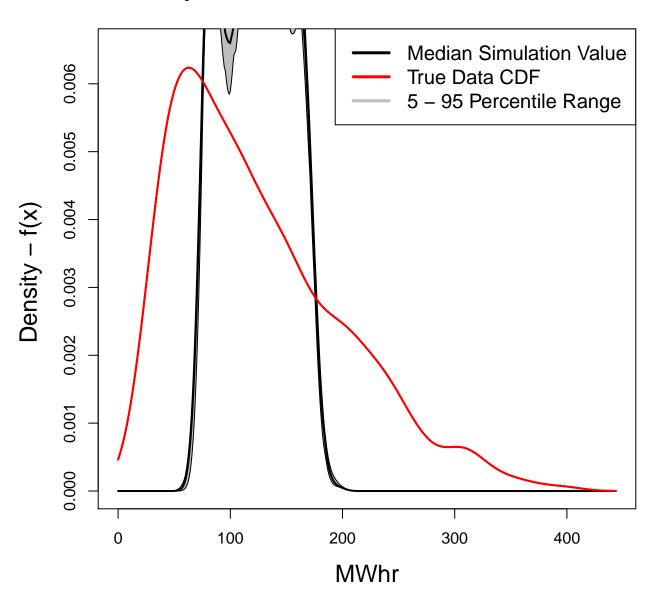
Ensemble Mean PC-2 - Wind-1%

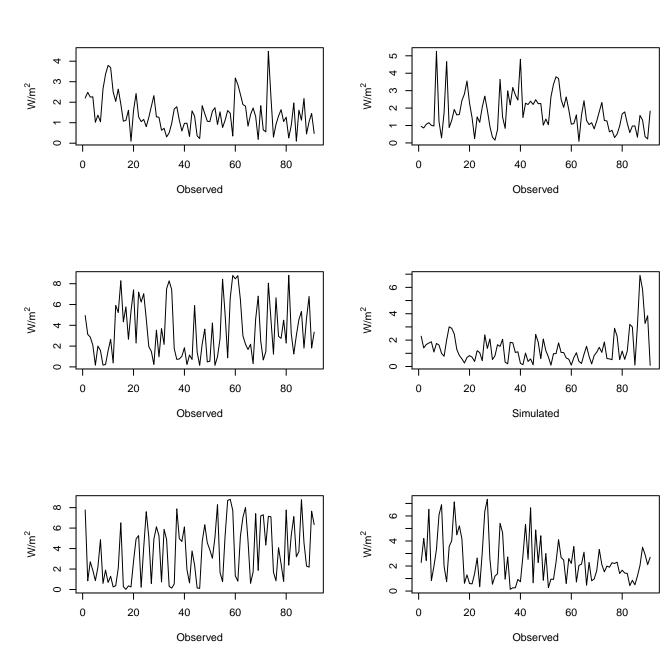


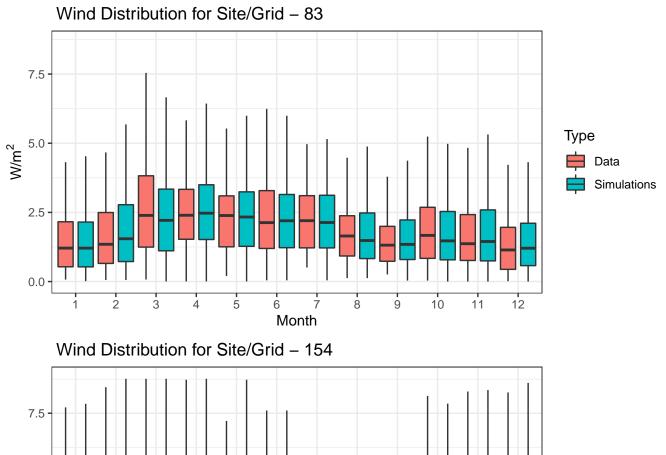
Simulated CDF for Entire Field – Wind

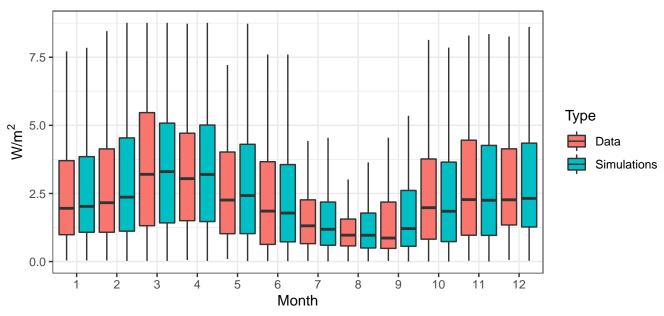


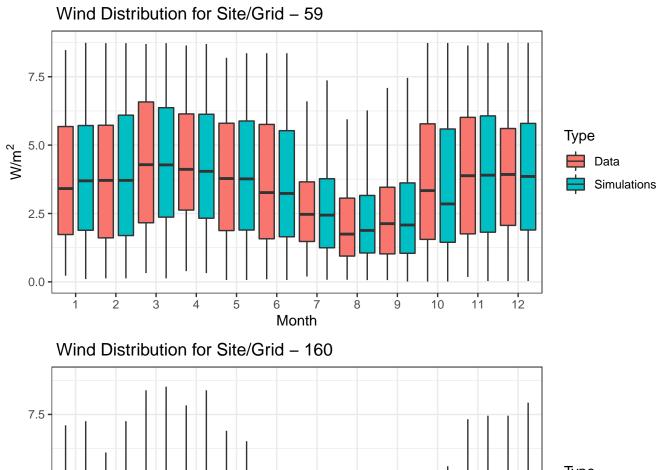
Daily Generation Potential across ERCOT – Wind

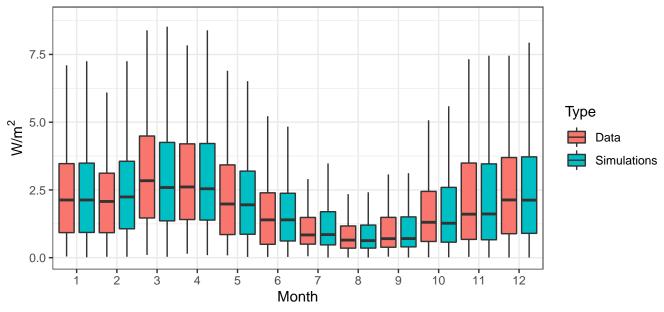


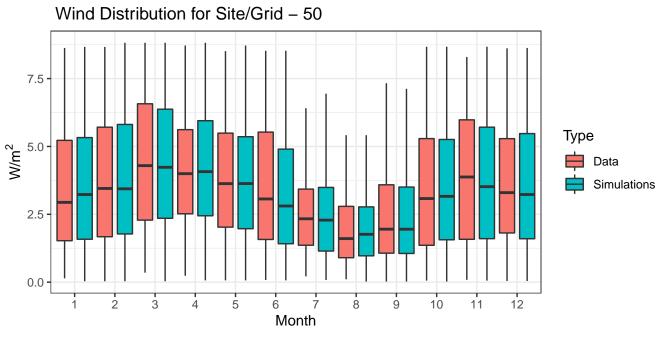


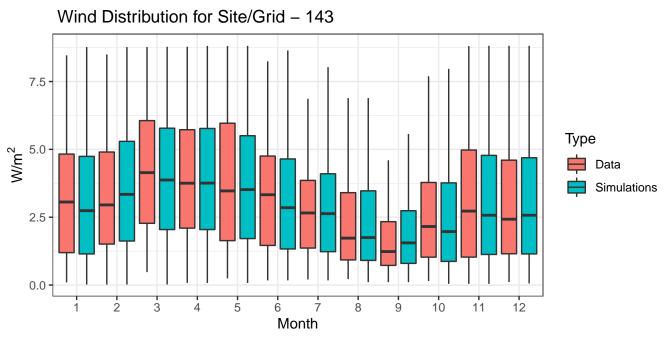


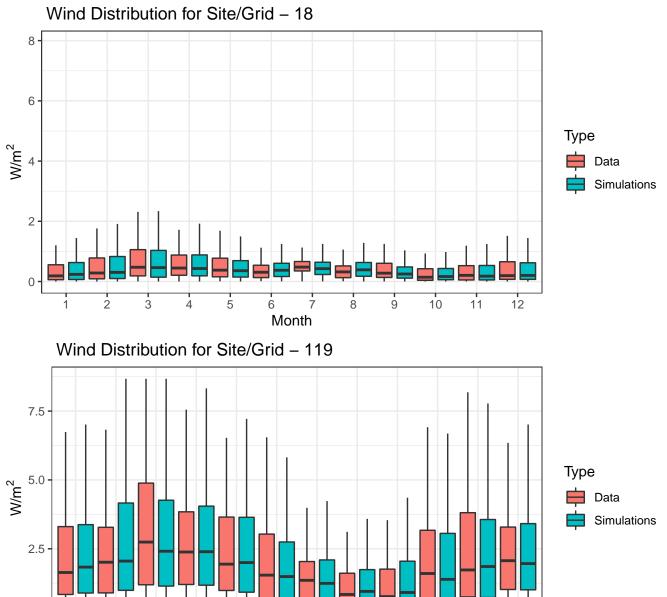


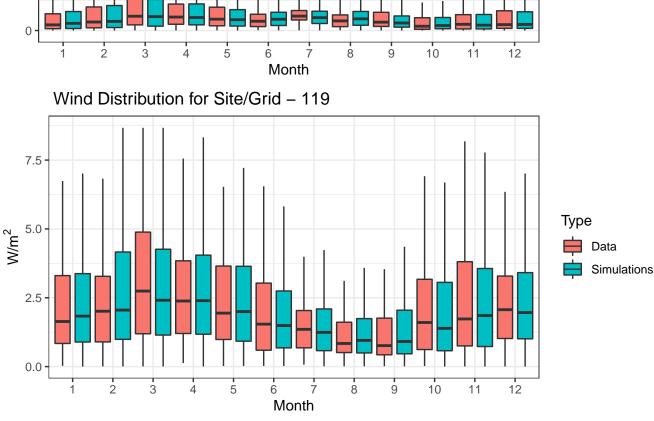


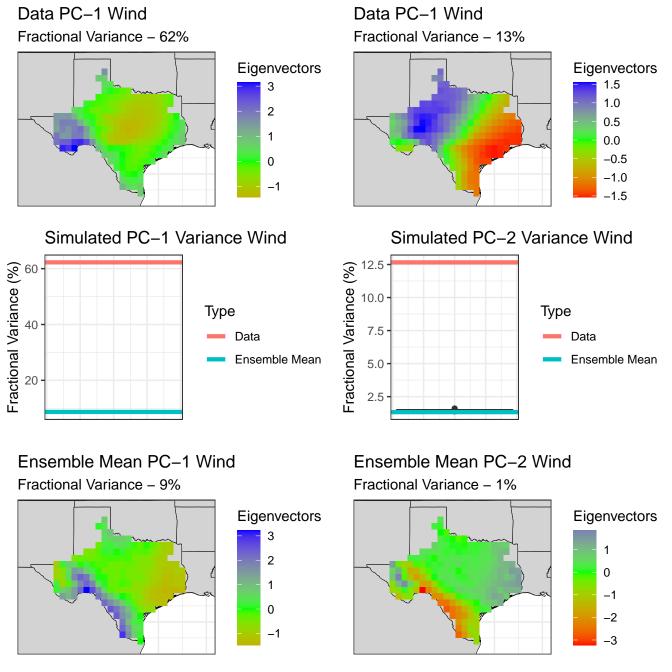




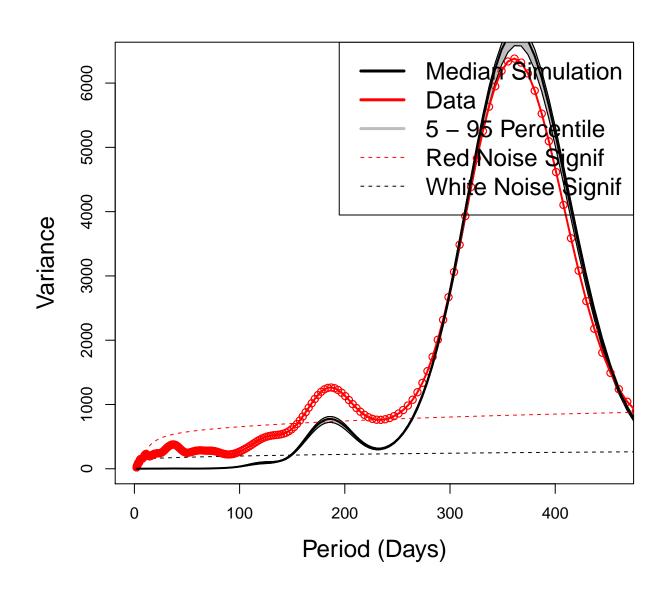




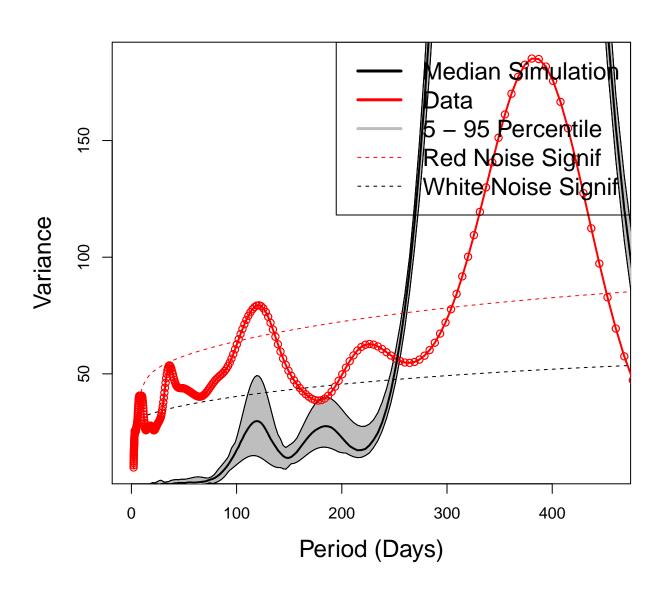


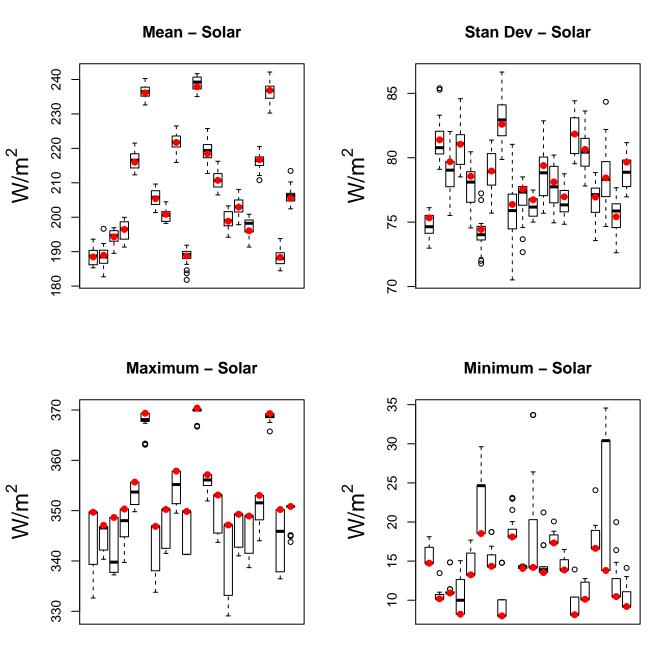


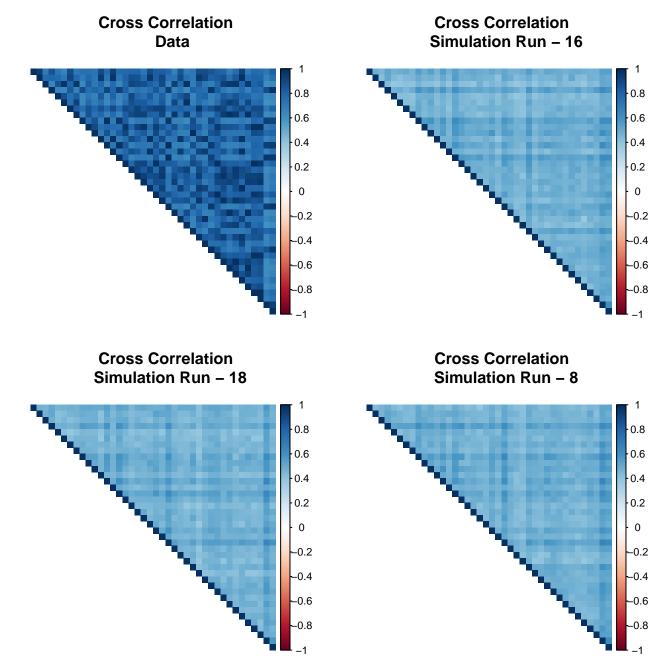
Global Wavelet Spectrum PC - 1 Wind



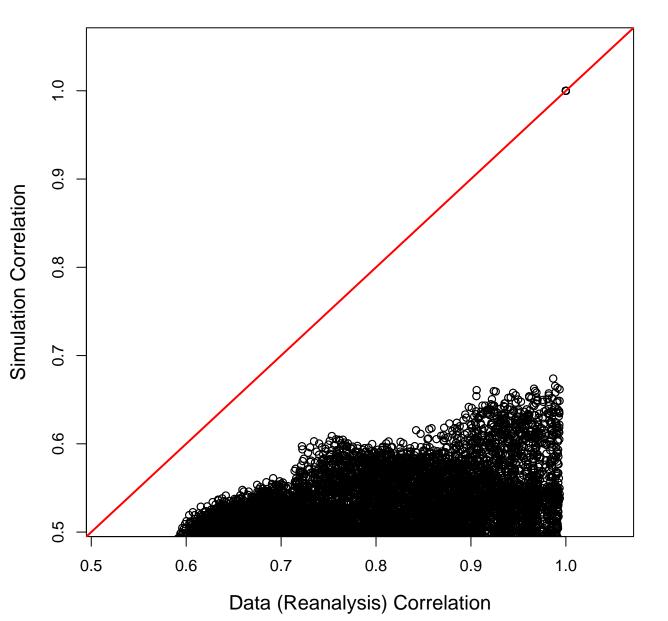
Global Wavelet Spectrum PC - 2 Wind



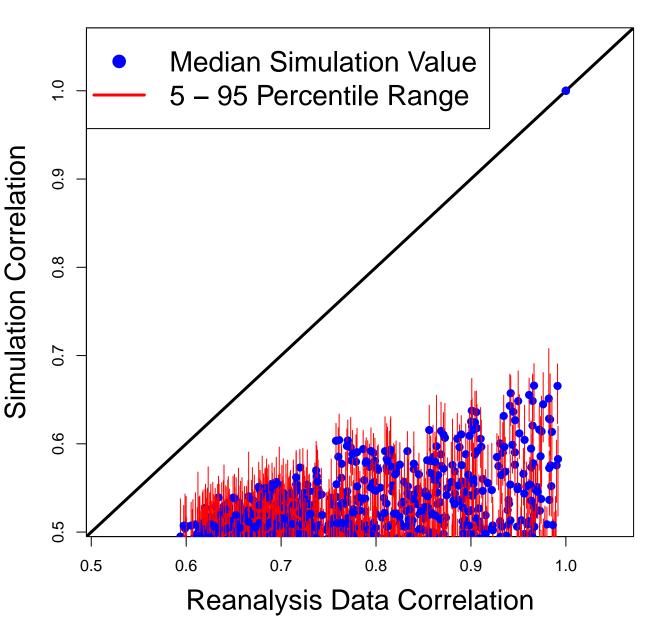


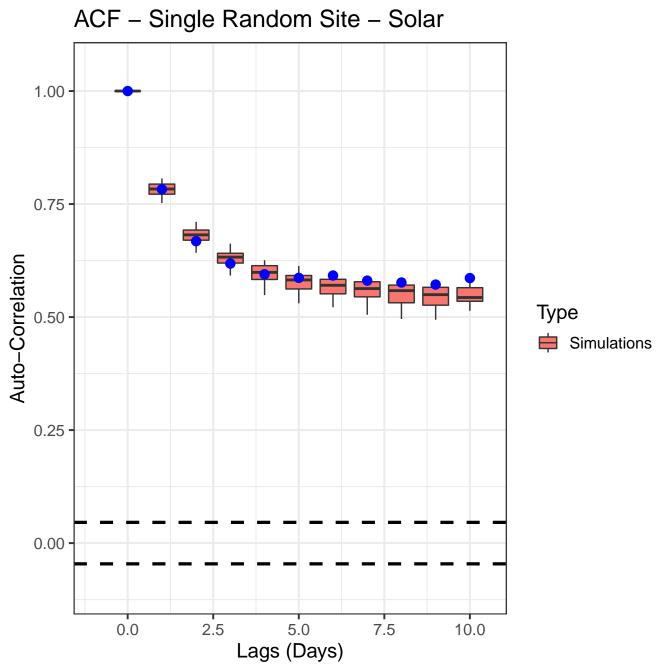


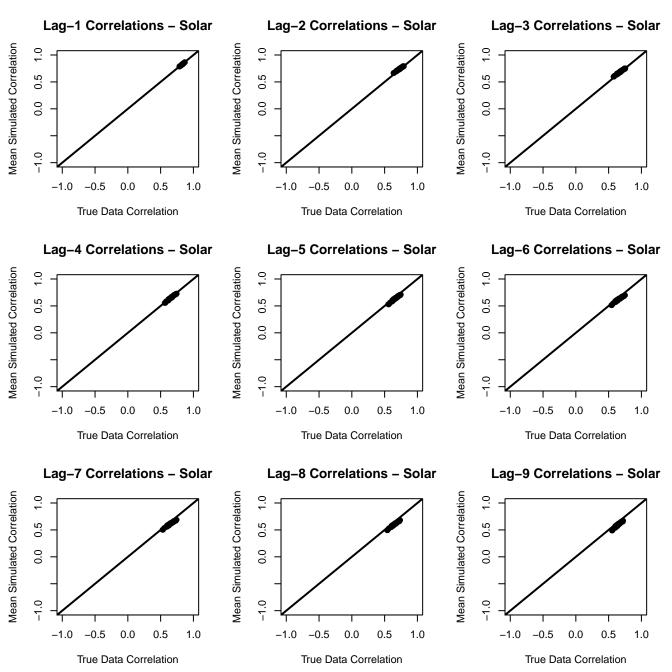
Cross Site Correlations – Solar

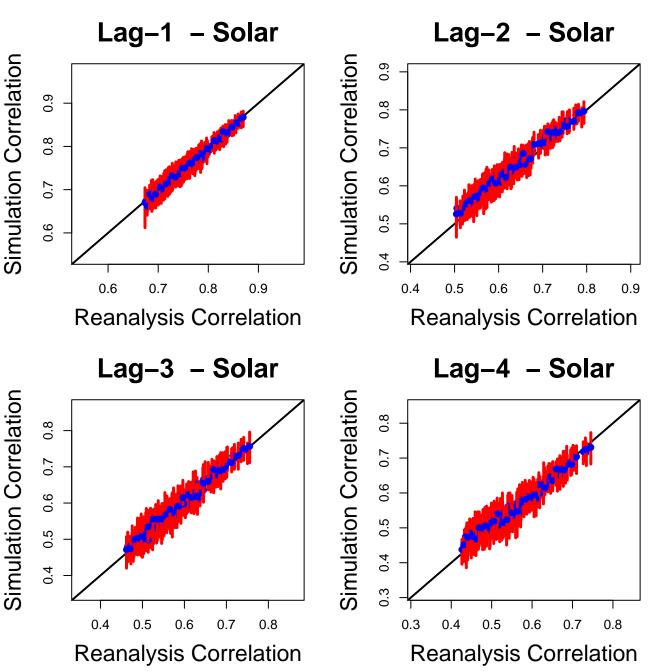


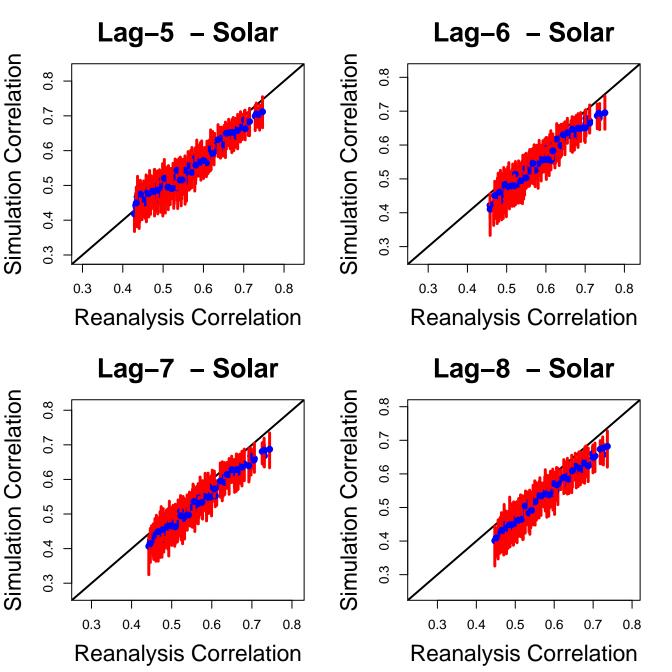
Cross Site Correlations – Solar



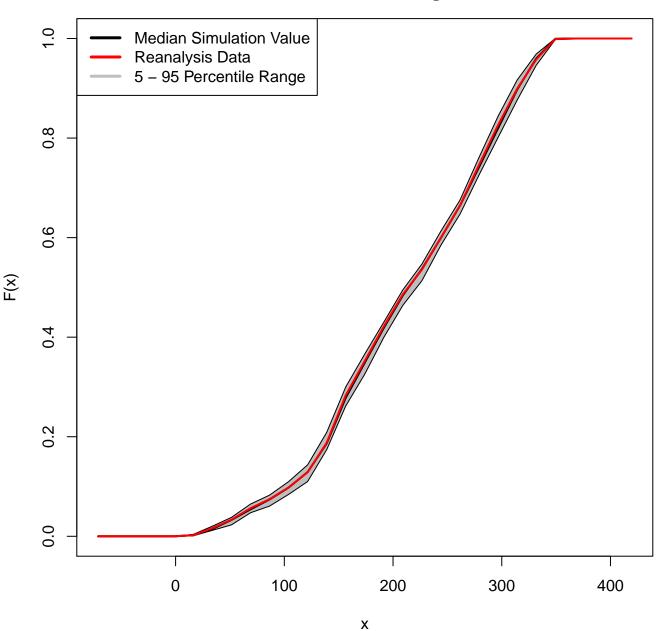




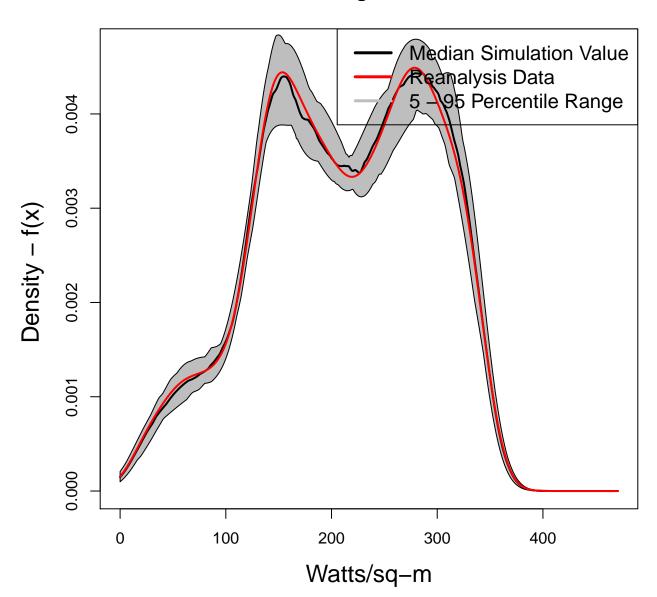


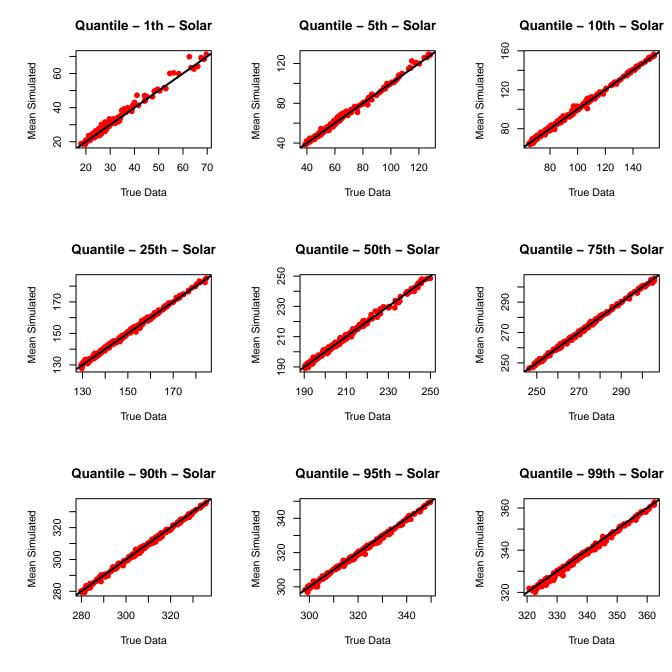


True vs Simulated CDF for Single Site – Solar

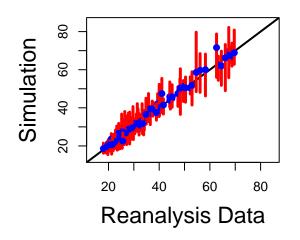


PDF at a single site – Solar

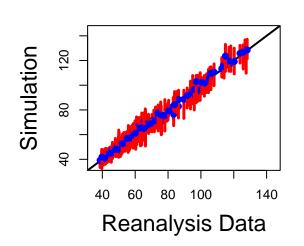




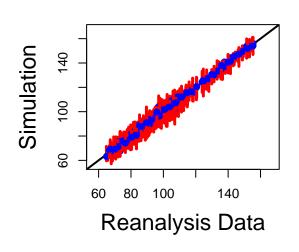
1th Quantile - Solar



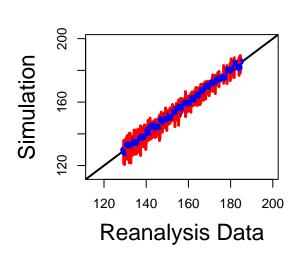
5th Quantile - Solar



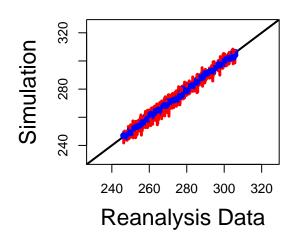
10th Quantile - Solar



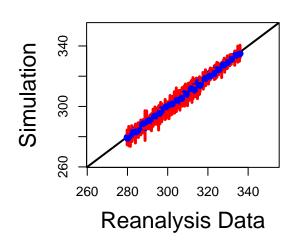
25th Quantile - Solar



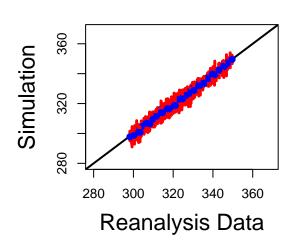
75th Quantile - Solar



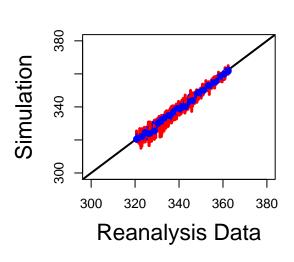
90th Quantile - Solar



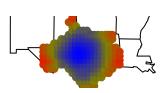
95th Quantile - Solar



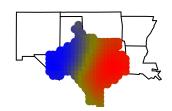
99th Quantile - Solar



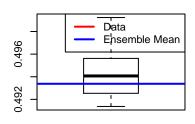
PC-1 - Solar-79%



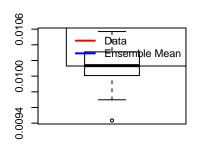
PC-2 - Solar-7%



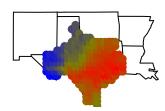
Simulated PC-1 Variance Solar



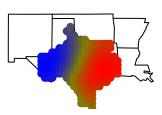
Simulated PC-2 Variance Solar



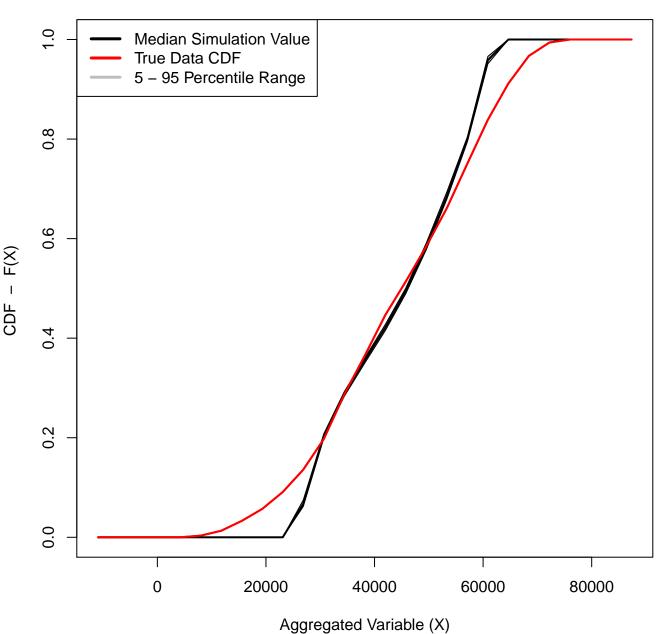
Ensemble Mean PC-1 - Solar-49%



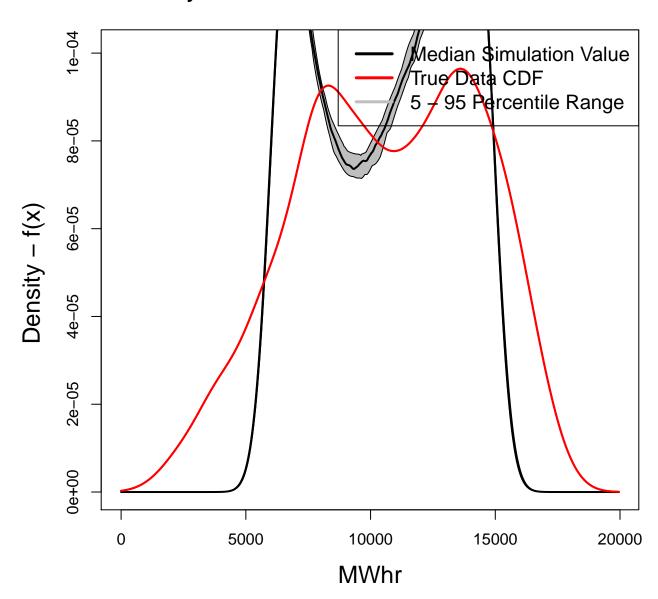
Ensemble Mean PC-2 - Solar-1%

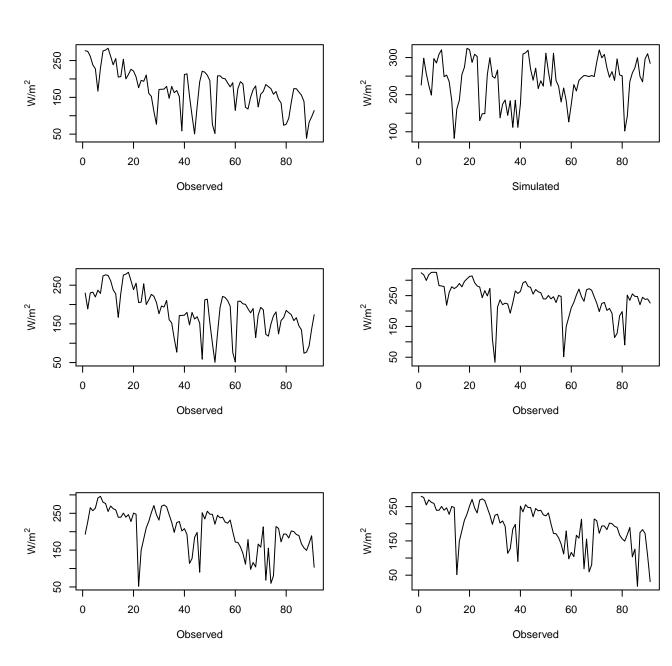


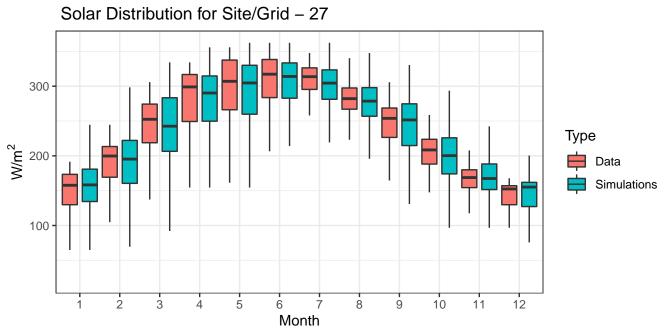
Simulated CDF for Entire Field - Solar

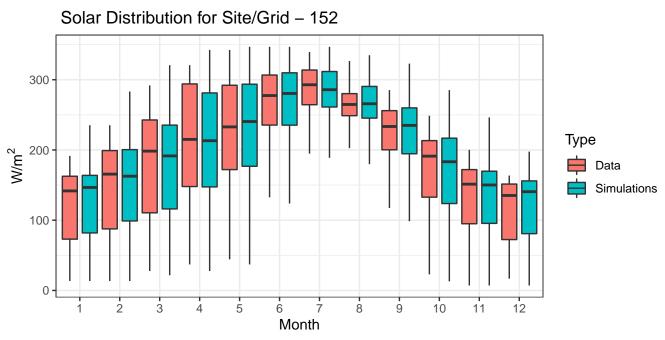


Daily Generation Potential across ERCOT – Solar

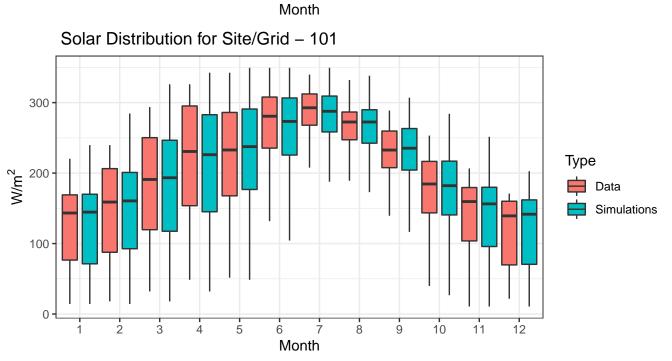


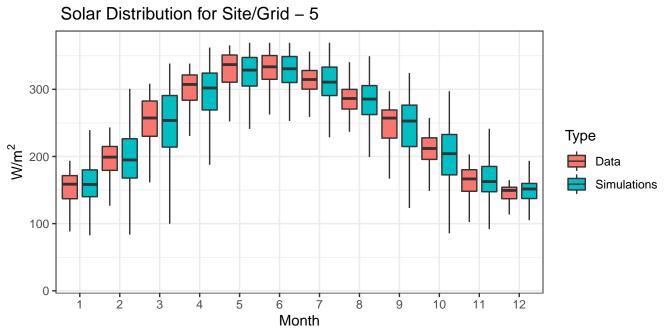


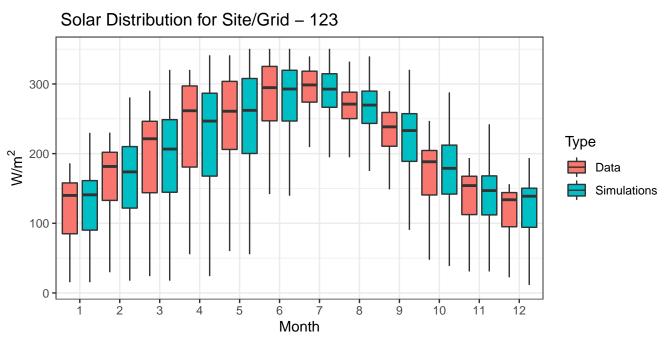


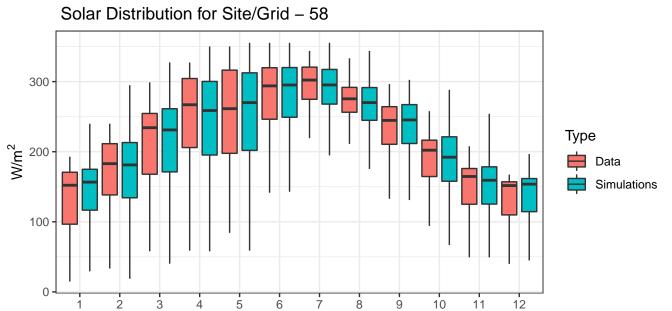


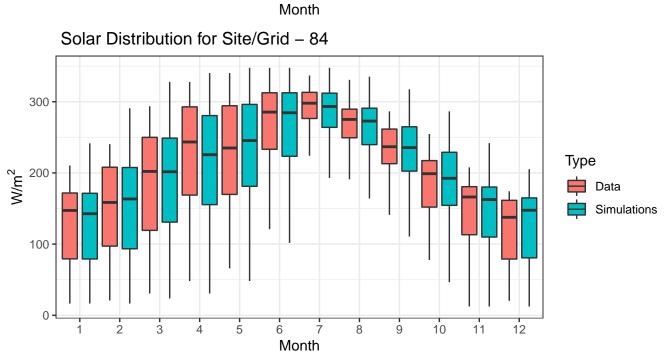
Solar Distribution for Site/Grid - 102 Type W/m^2 Data Simulations ż

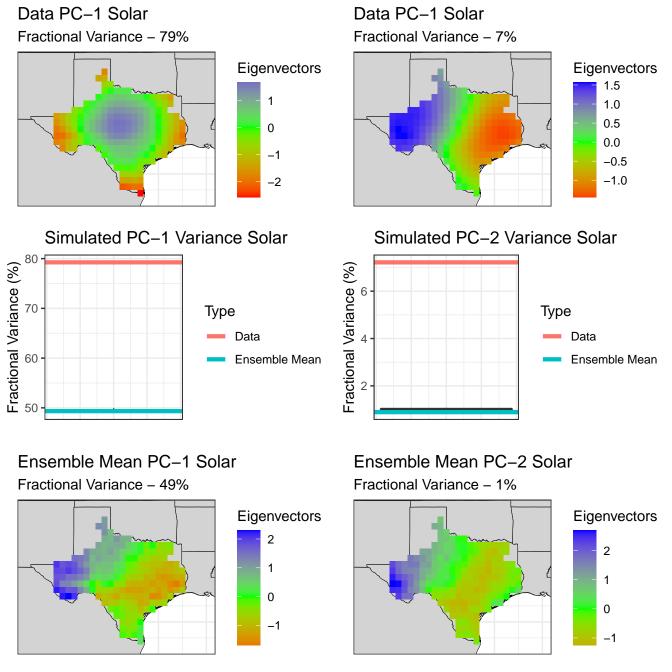




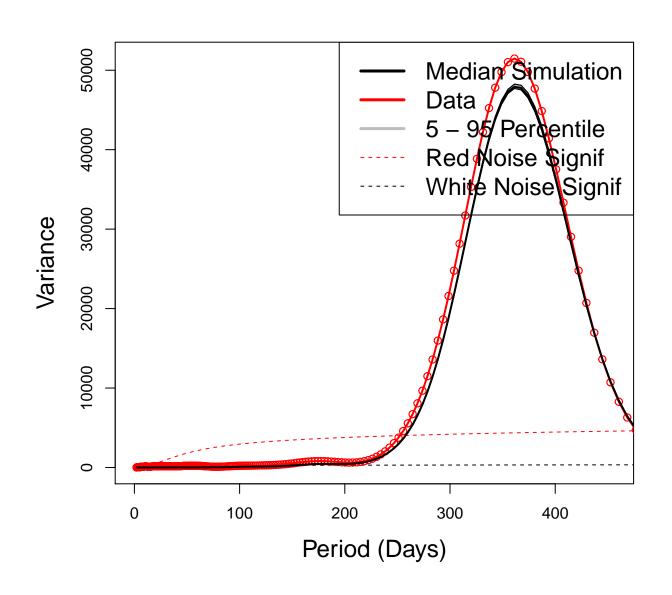




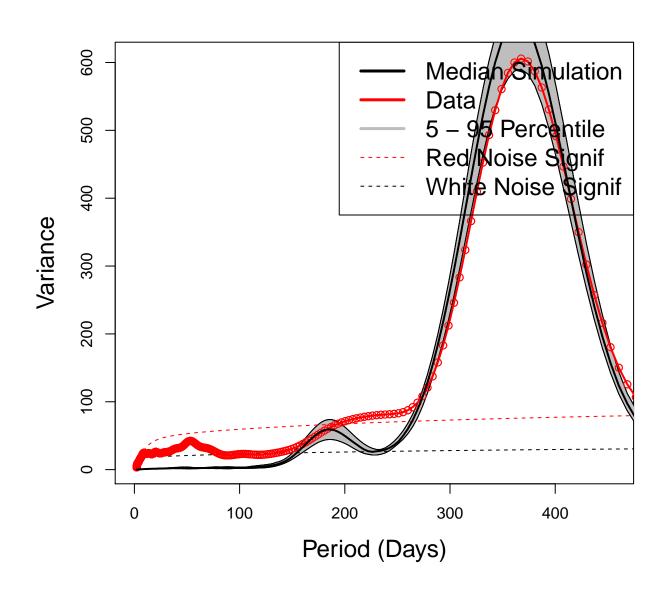




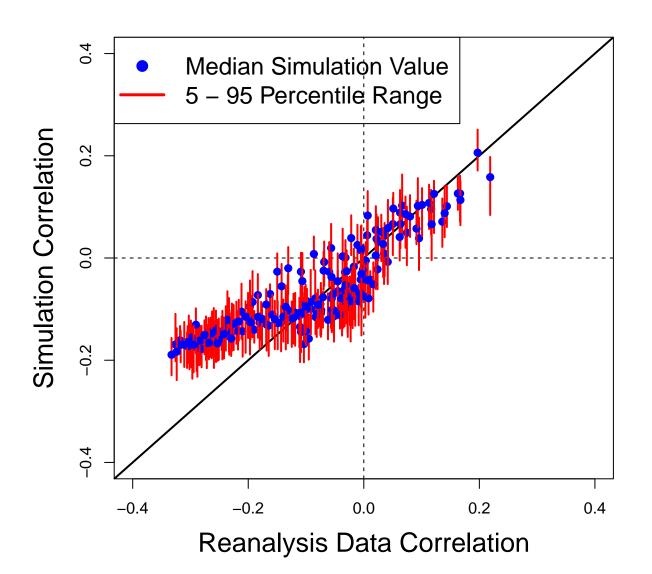
Global Wavelet Spectrum PC – 1 Solar



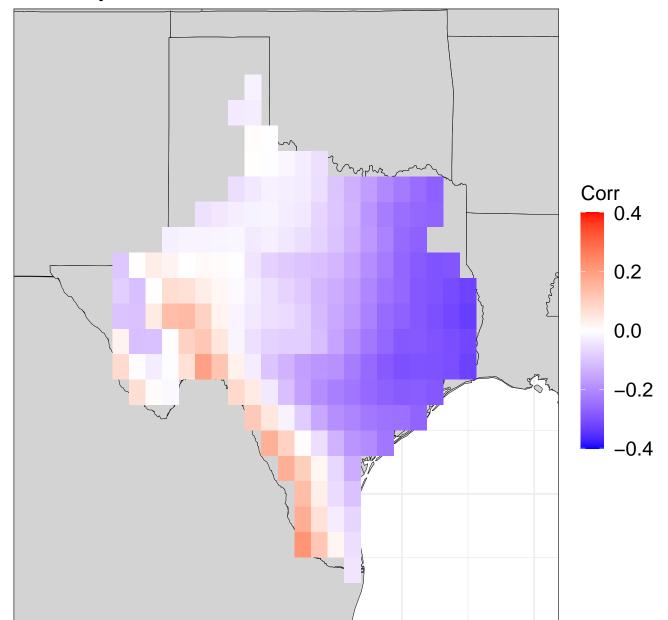
Global Wavelet Spectrum PC – 2 Solar



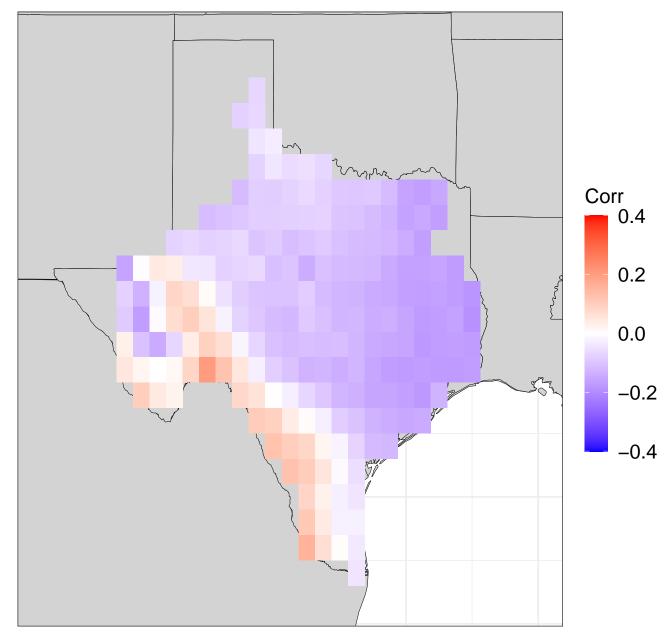
Simulation vs Data Correlation



Reanalysis Data Correlation



Median Simulation Correlation



Difference between Renalysis Data and Simulations

