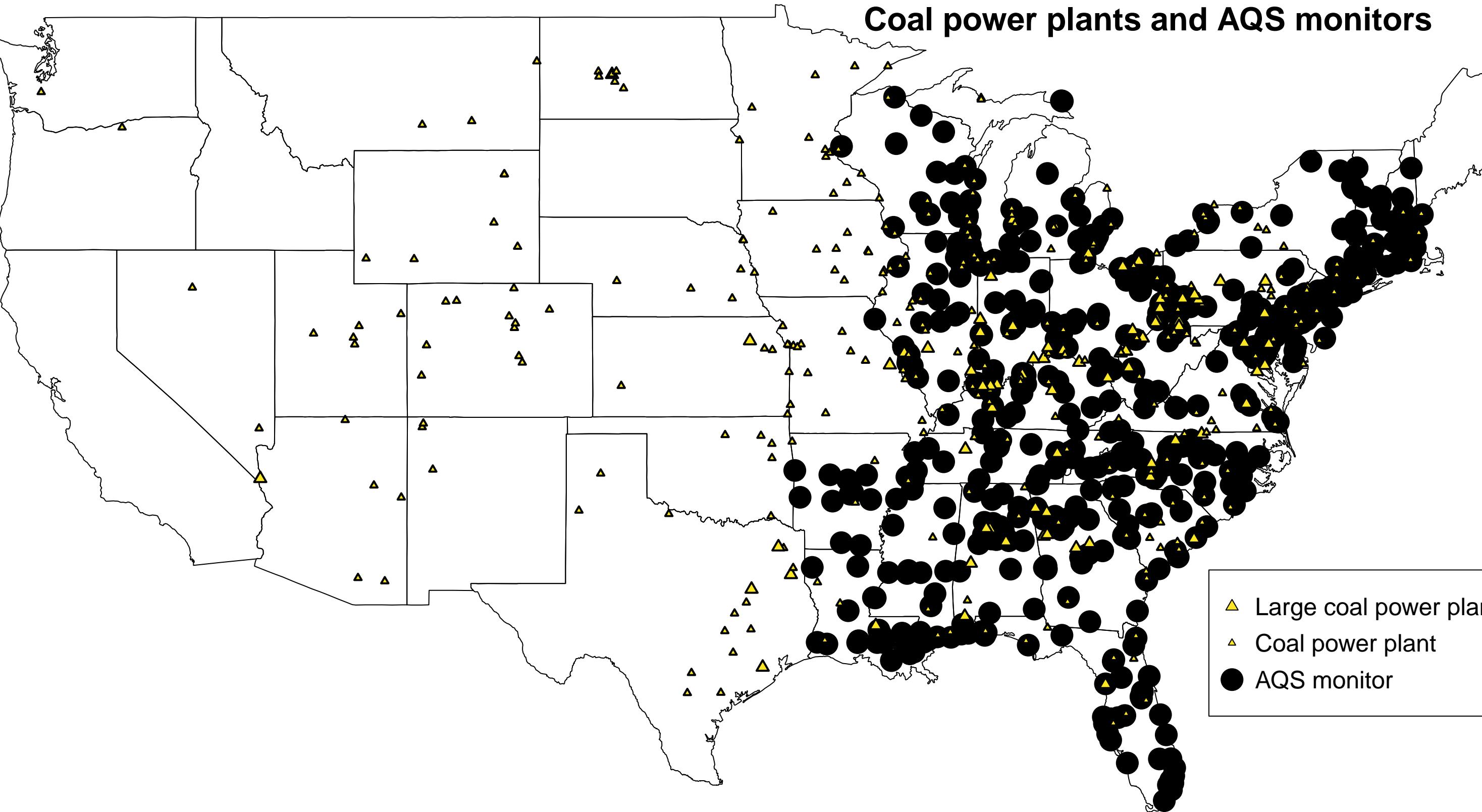
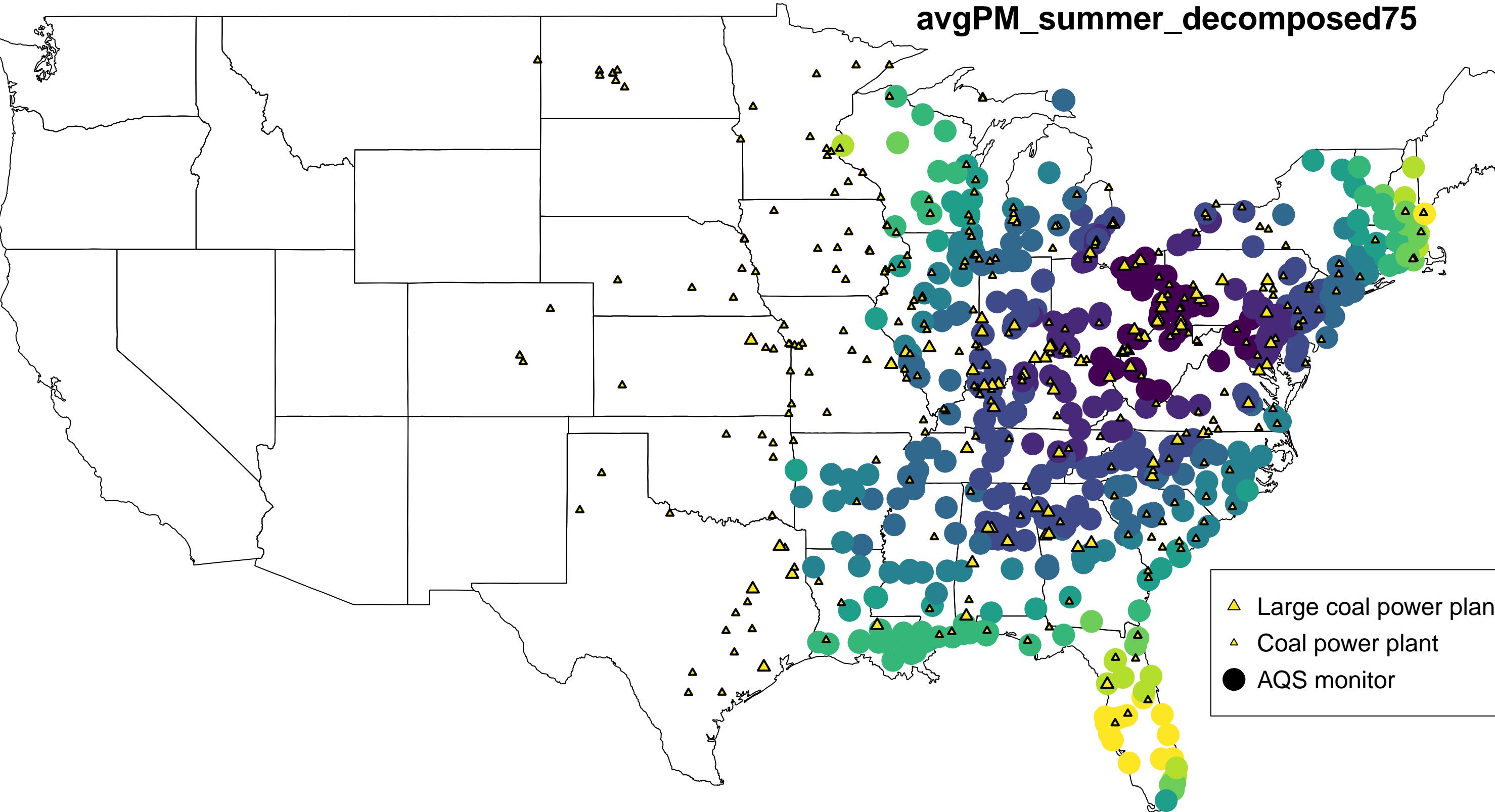


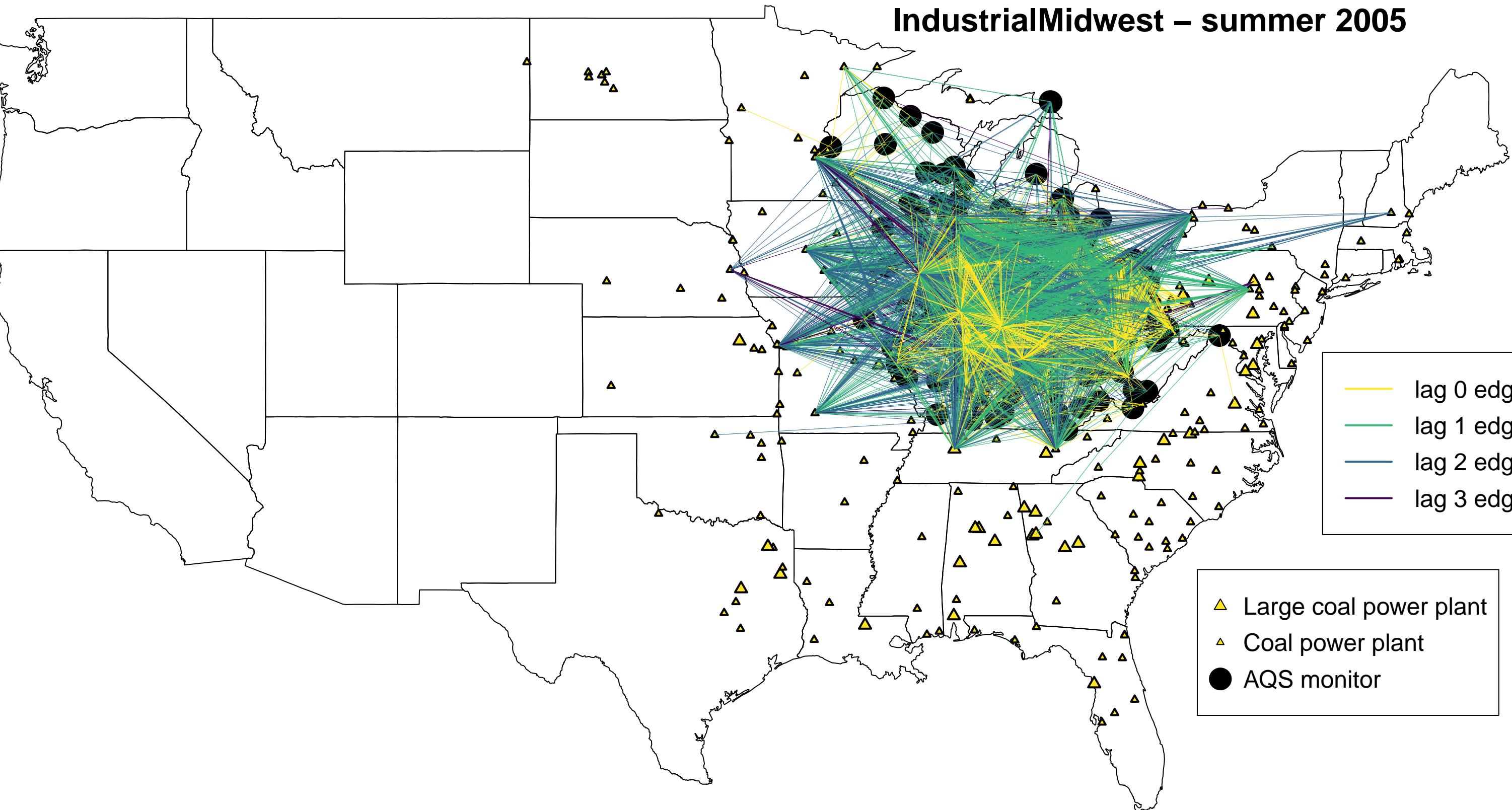
## Coal power plants and AQS monitors



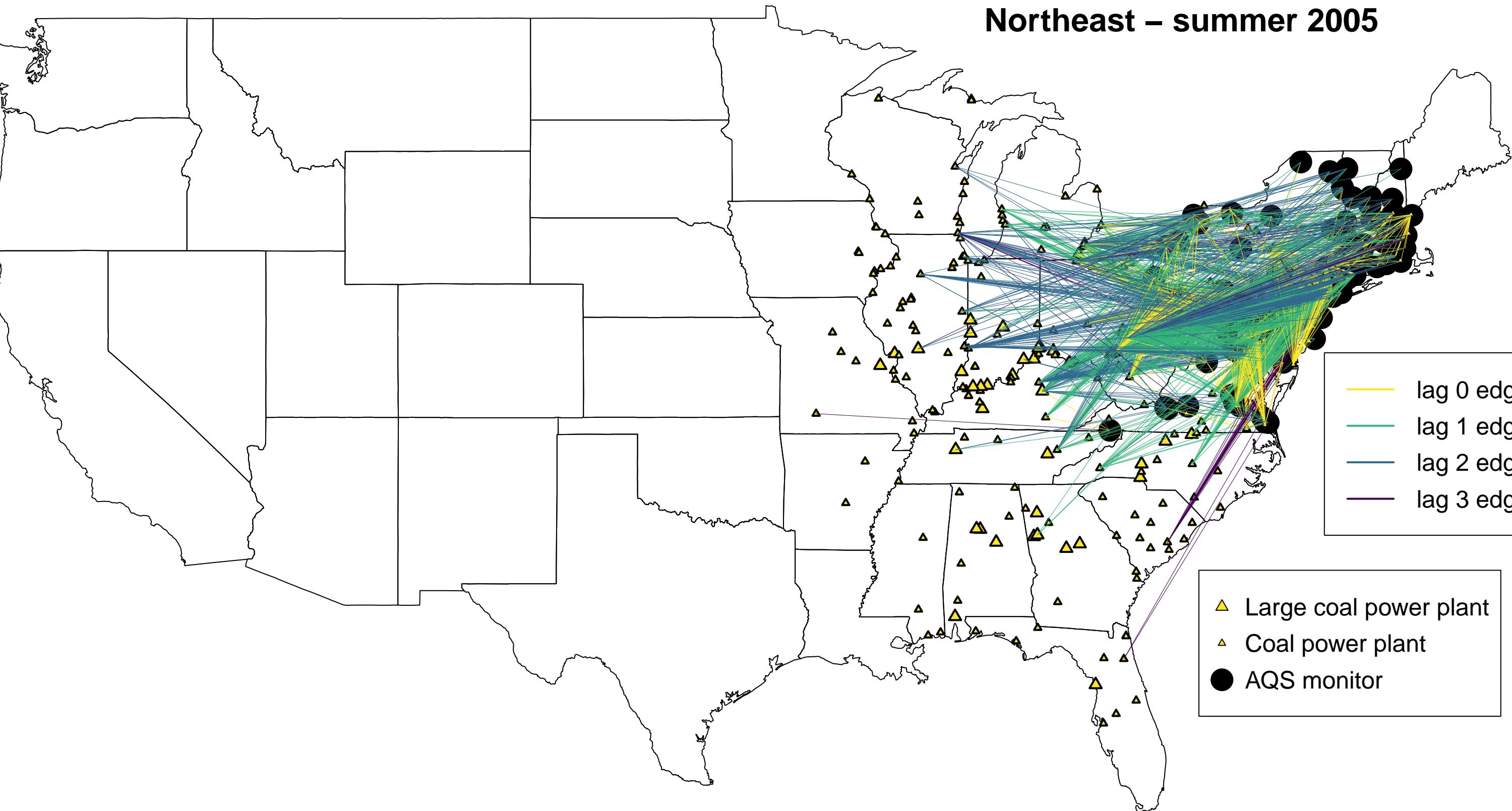
avgPM\_summer\_decomposed75



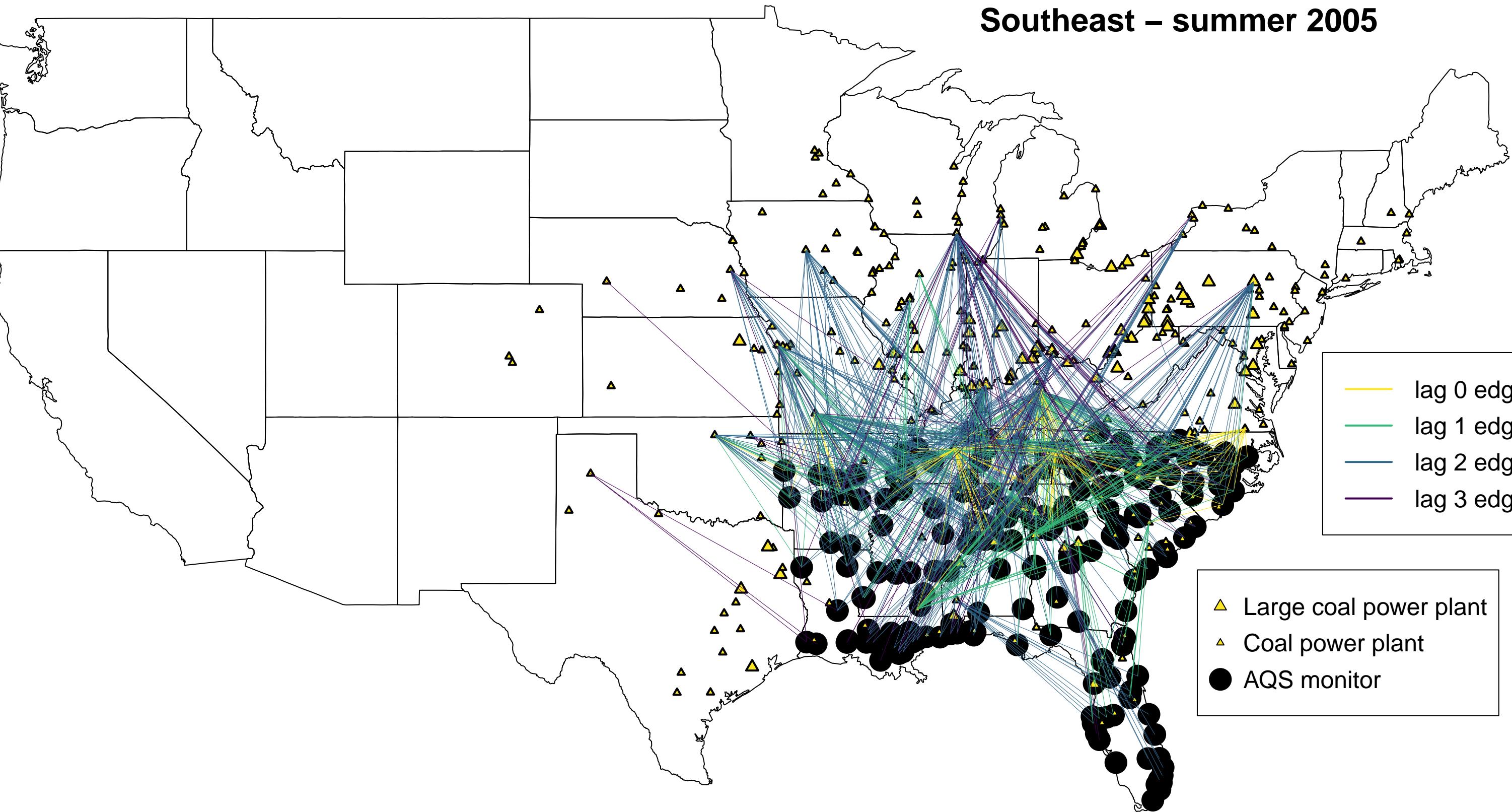
# IndustrialMidwest – summer 2005



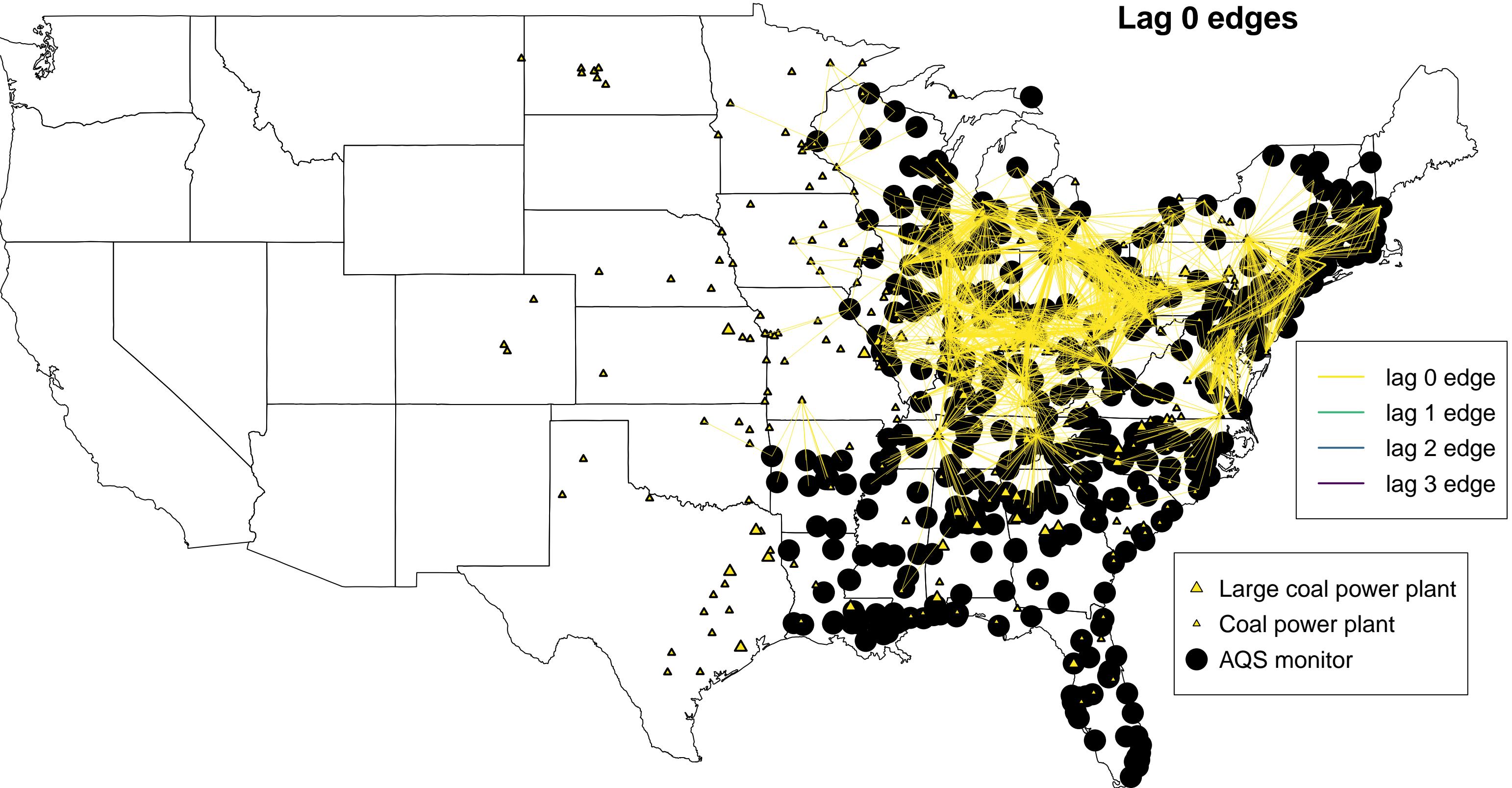
## Northeast – summer 2005



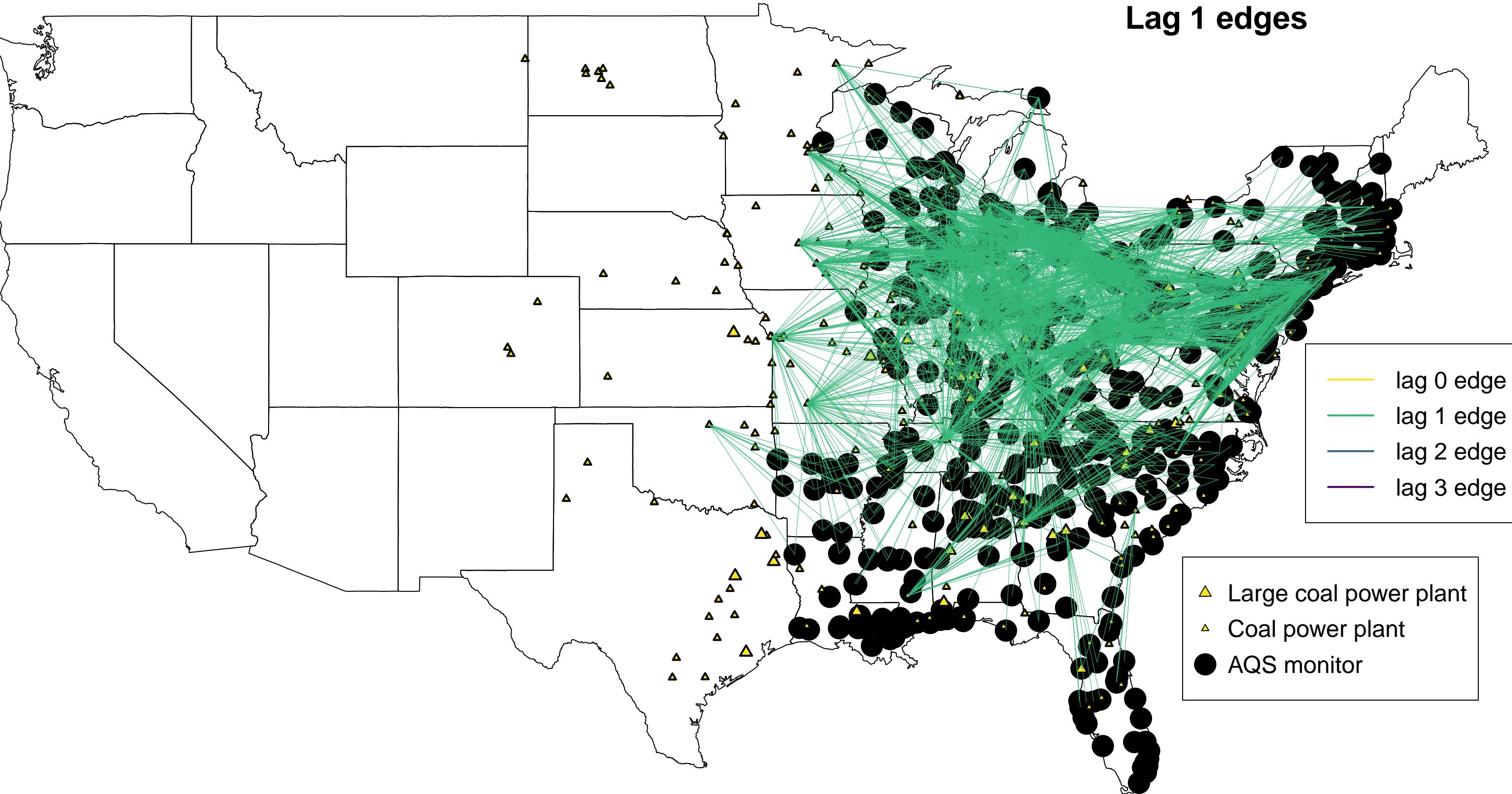
## Southeast – summer 2005



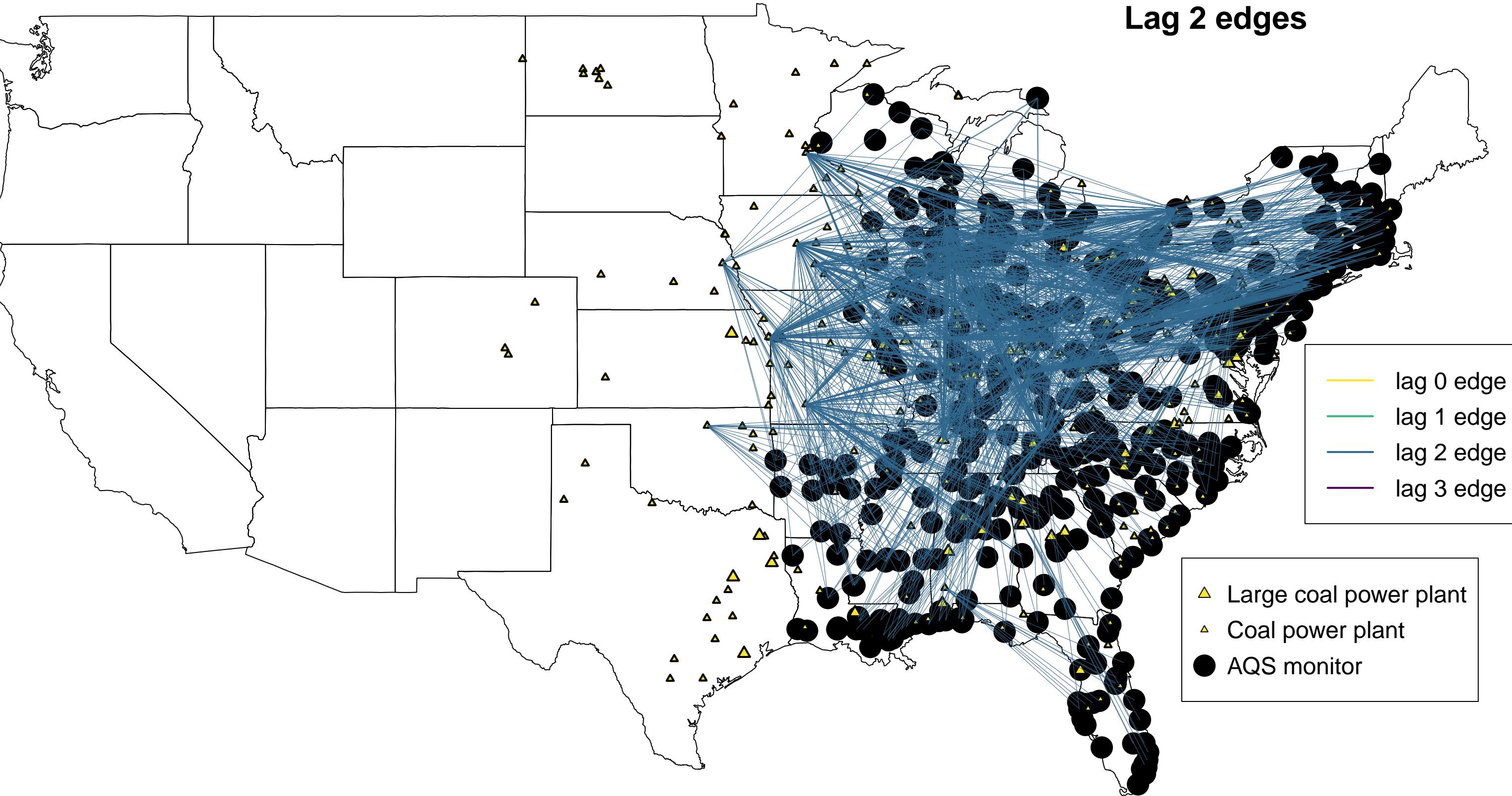
## Lag 0 edges



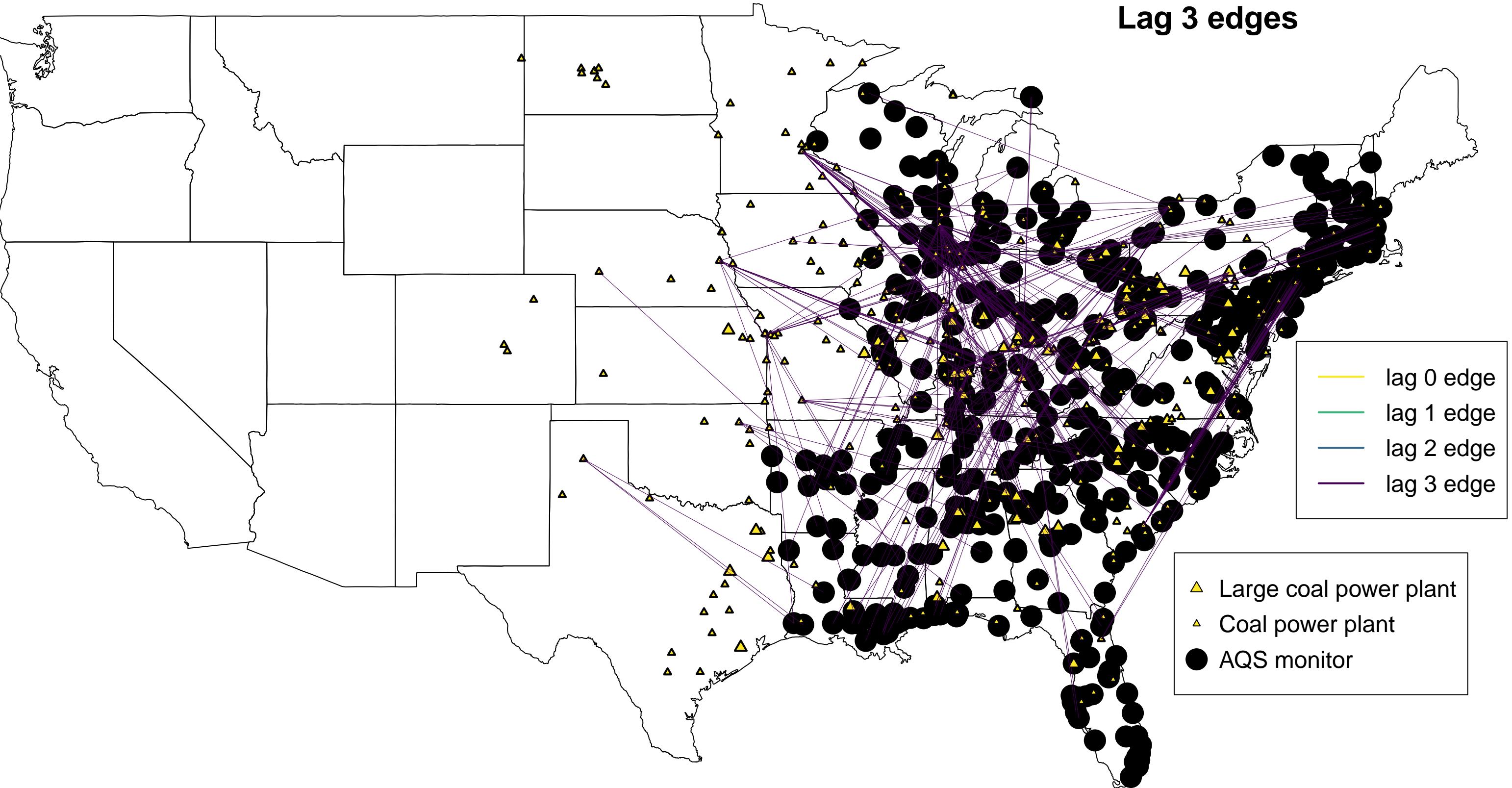
# Lag 1 edges

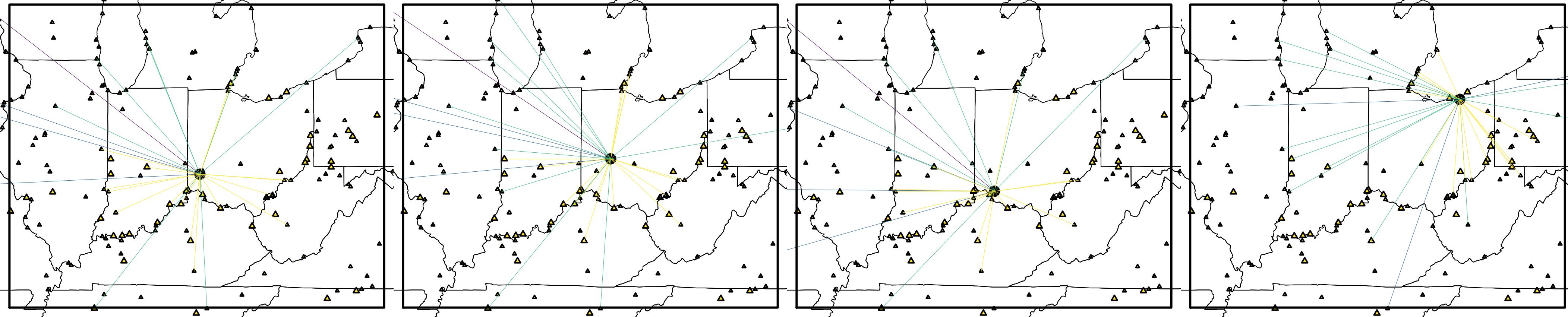


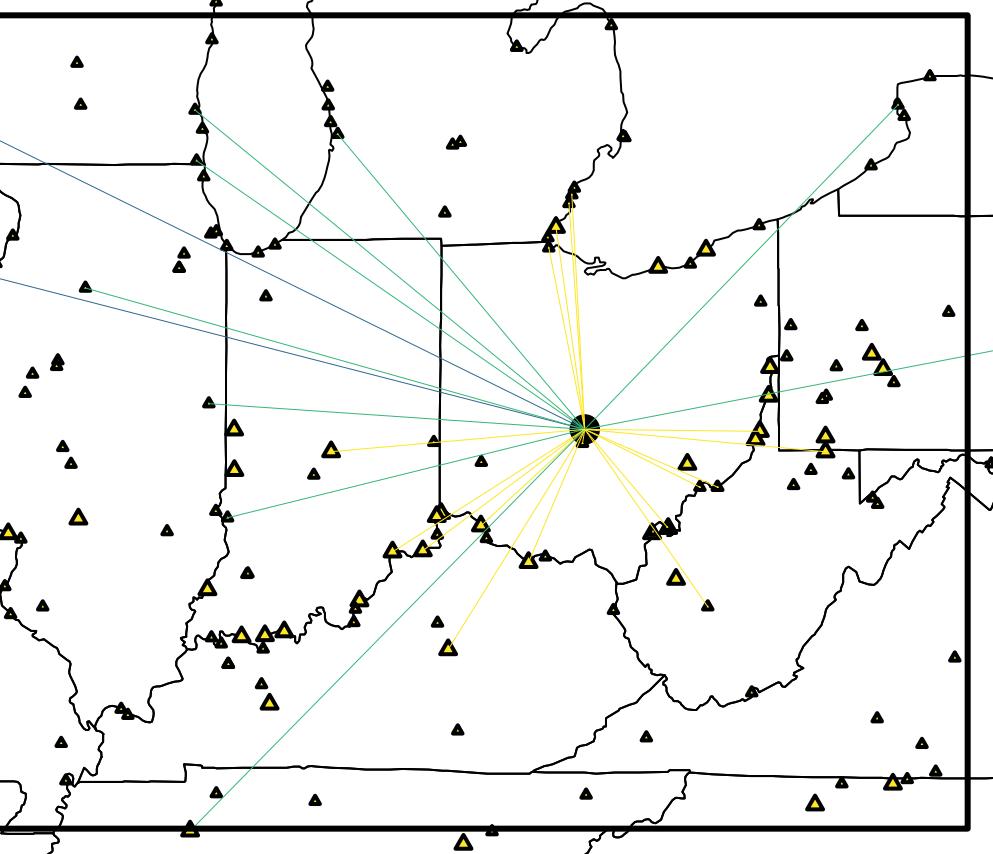
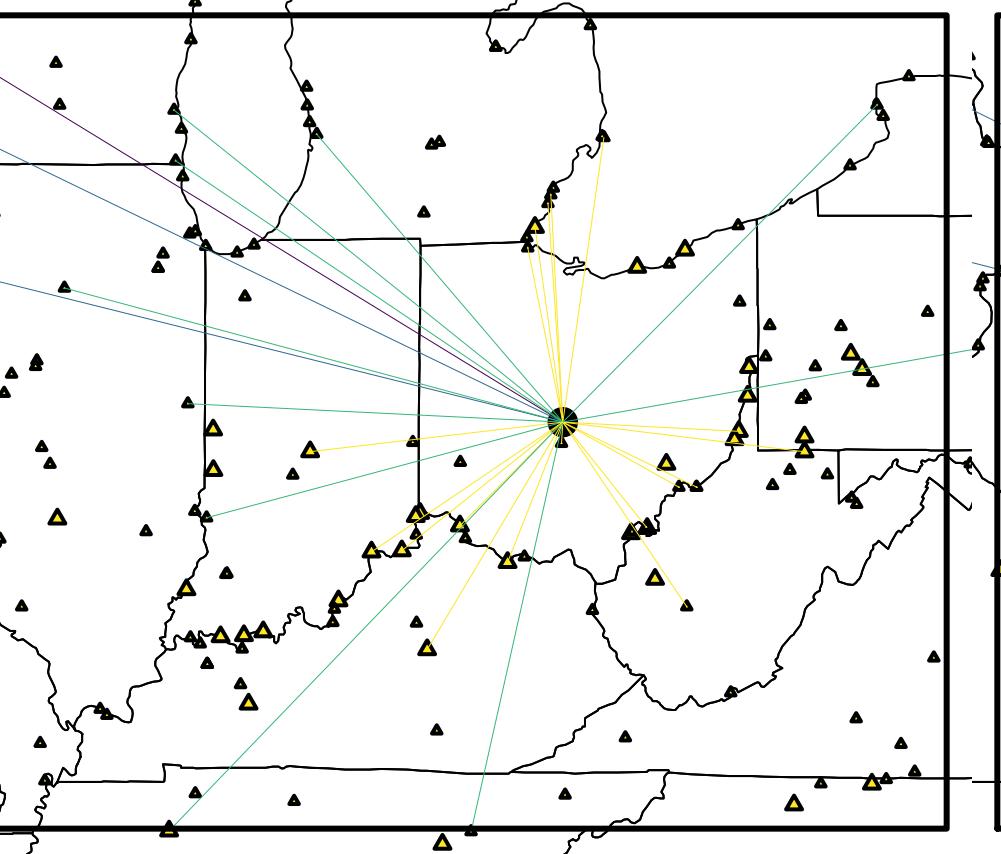
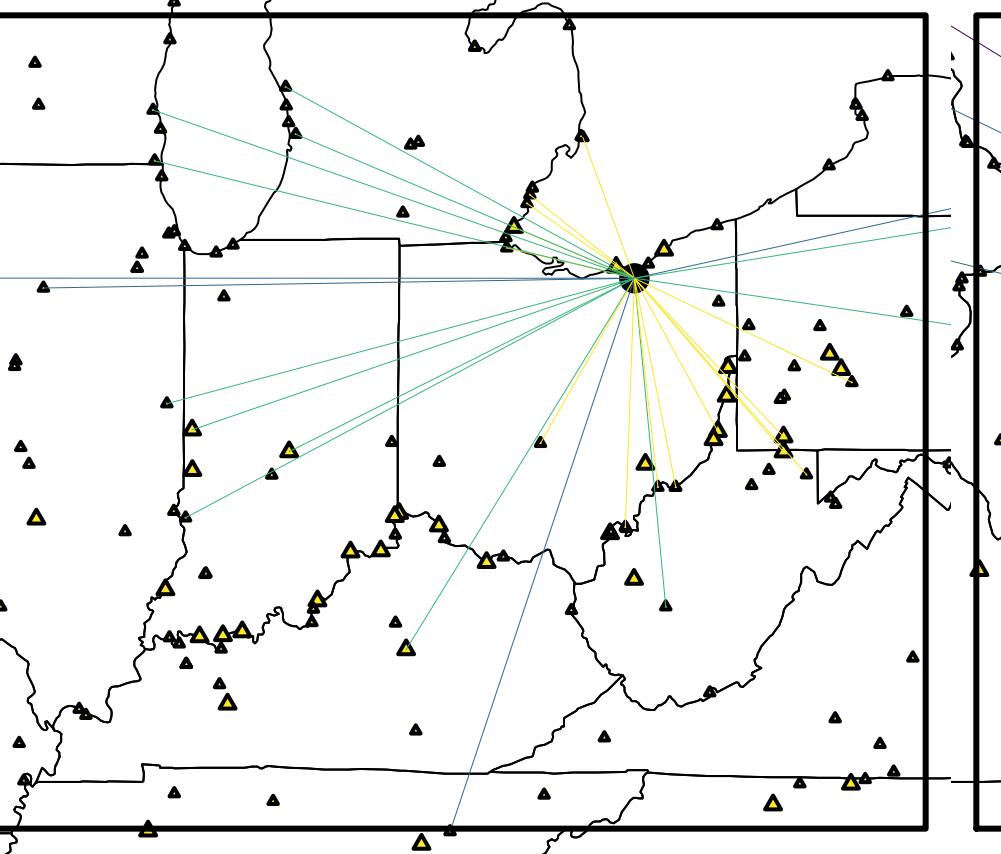
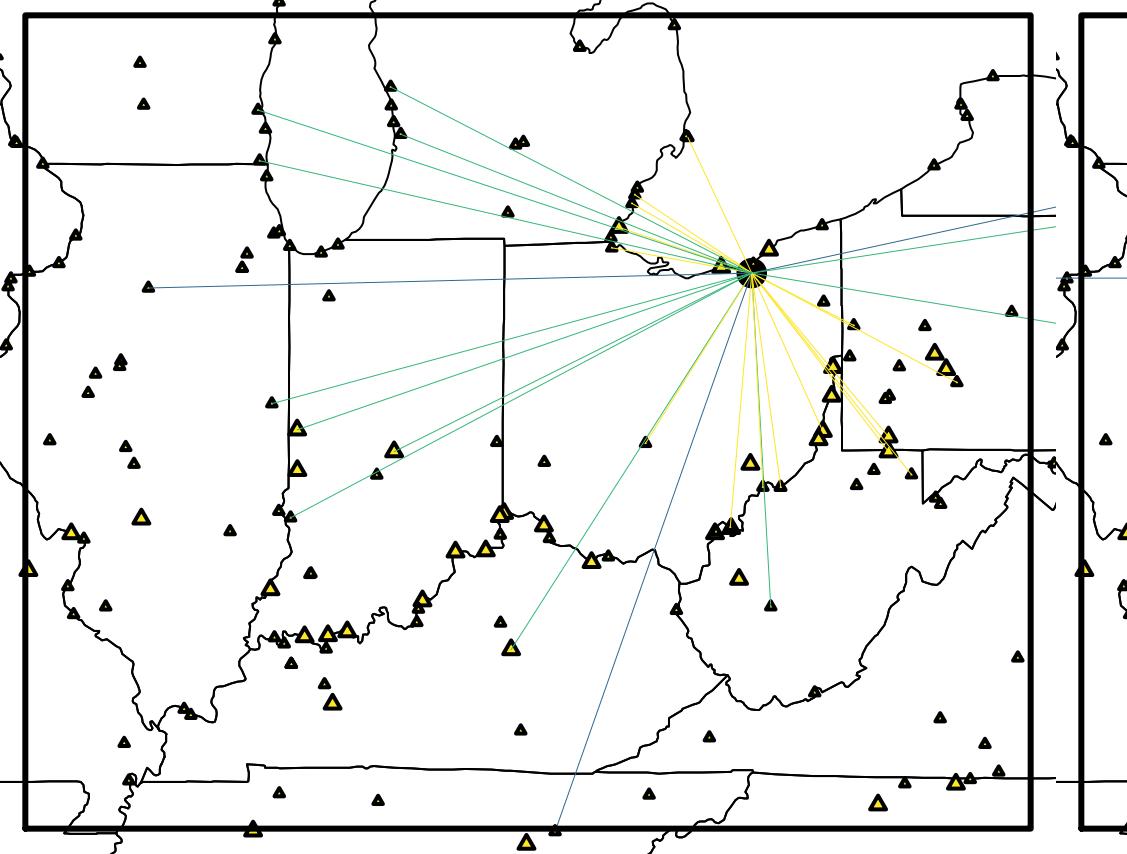
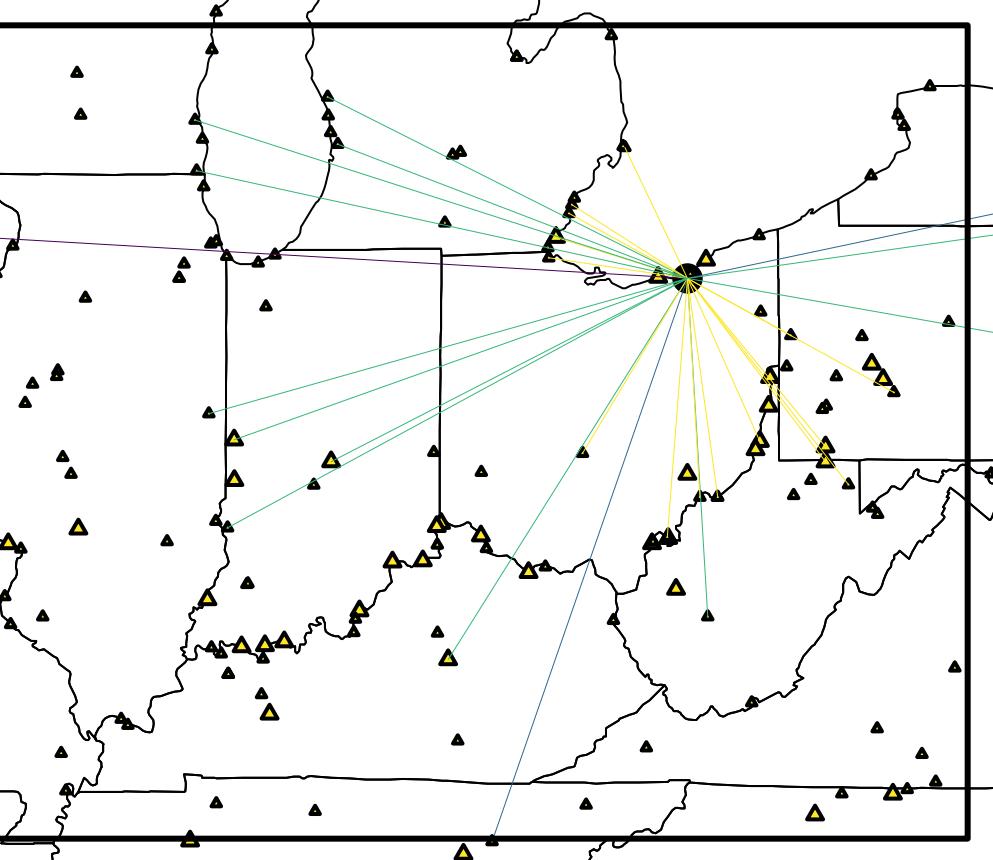
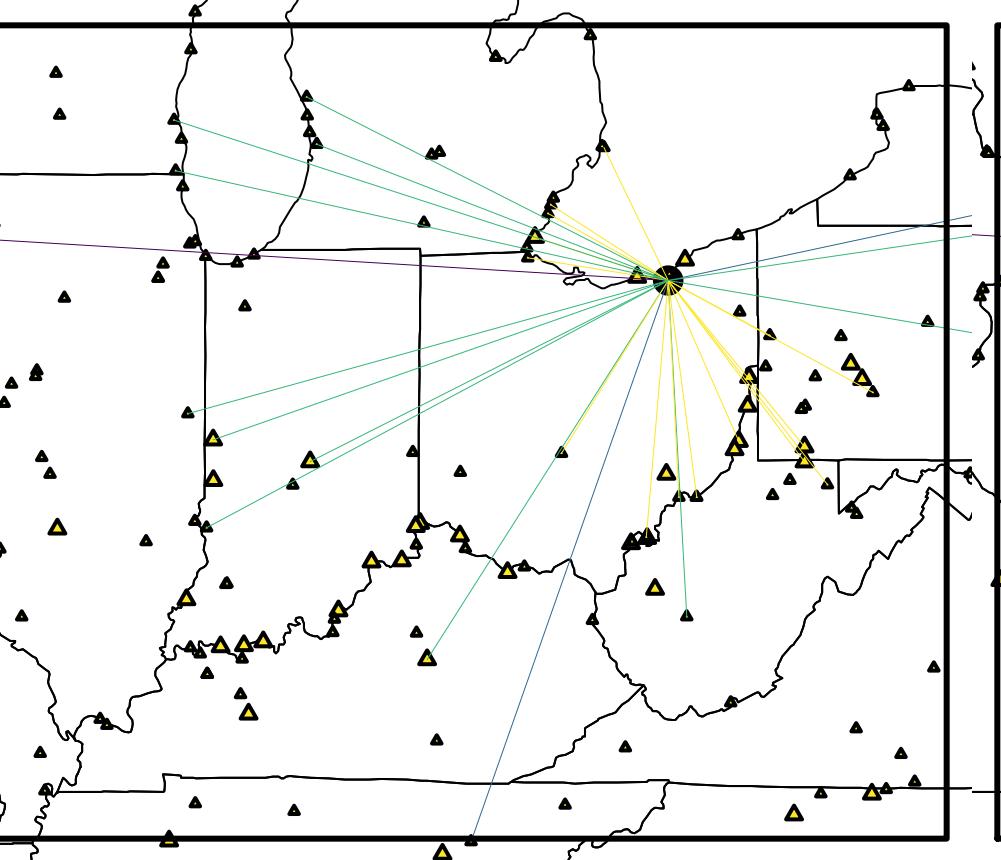
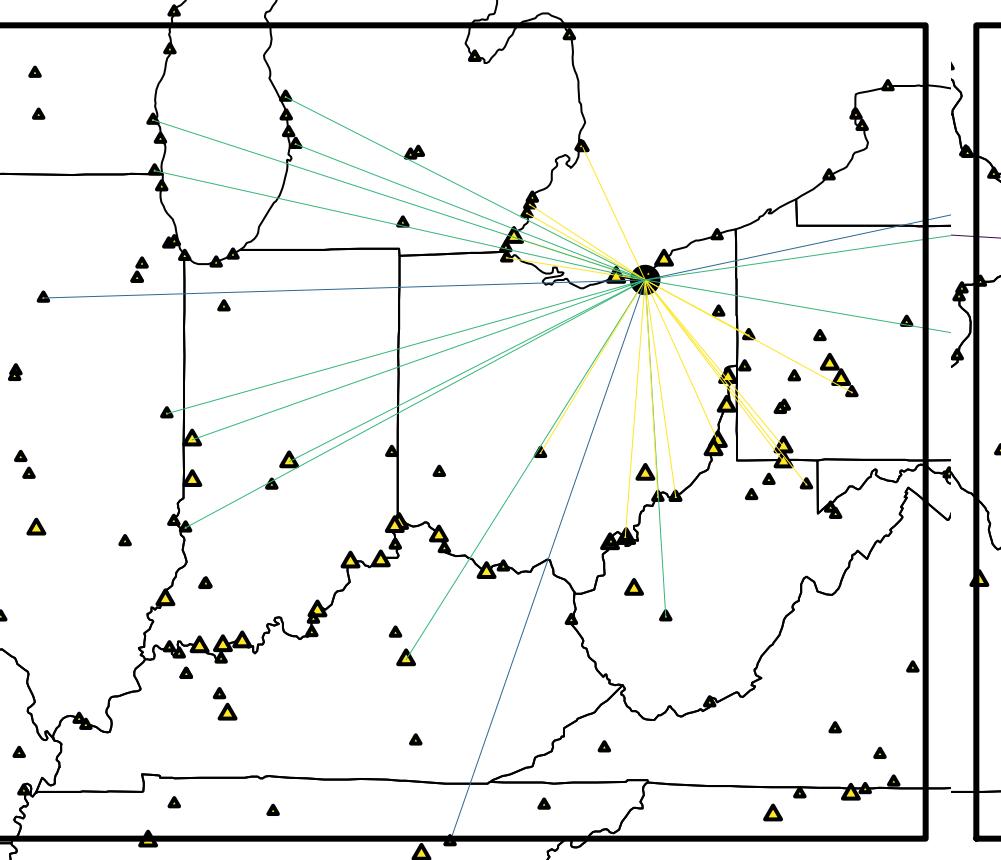
## Lag 2 edges

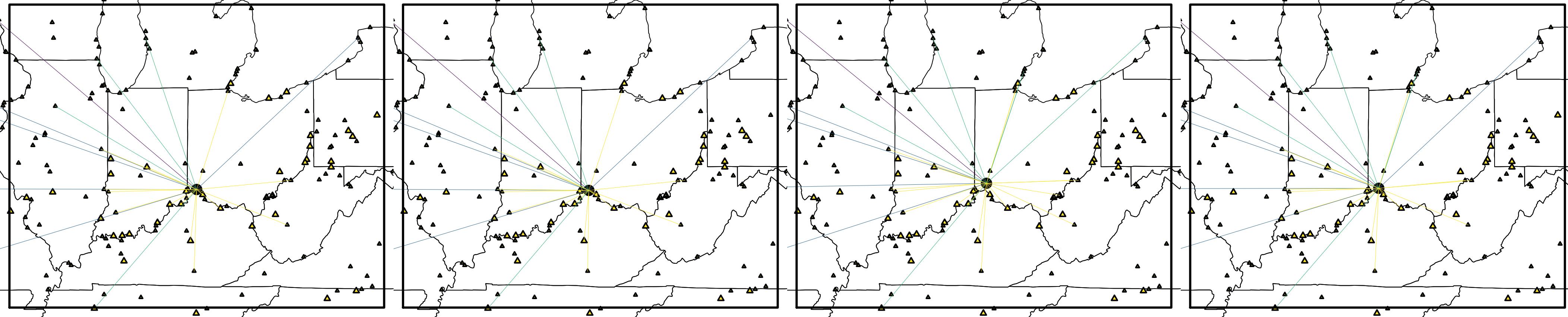
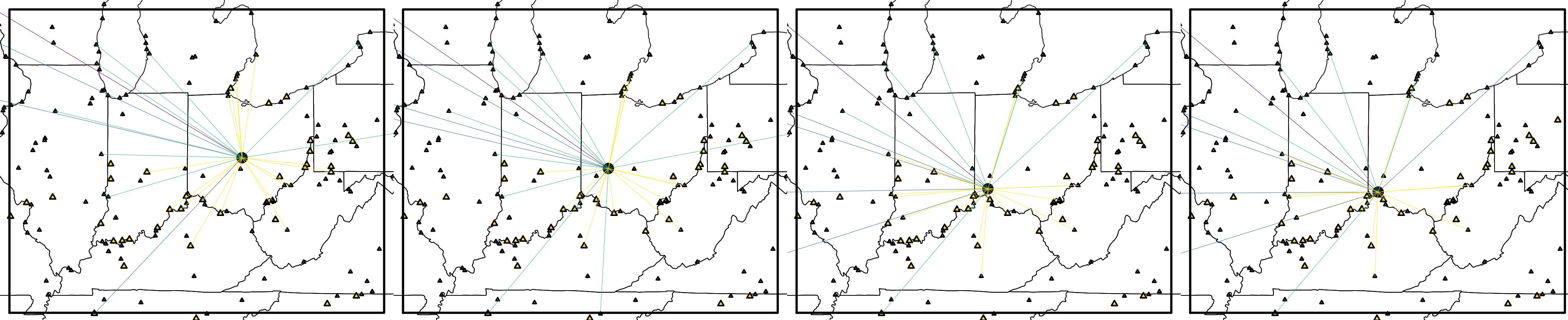


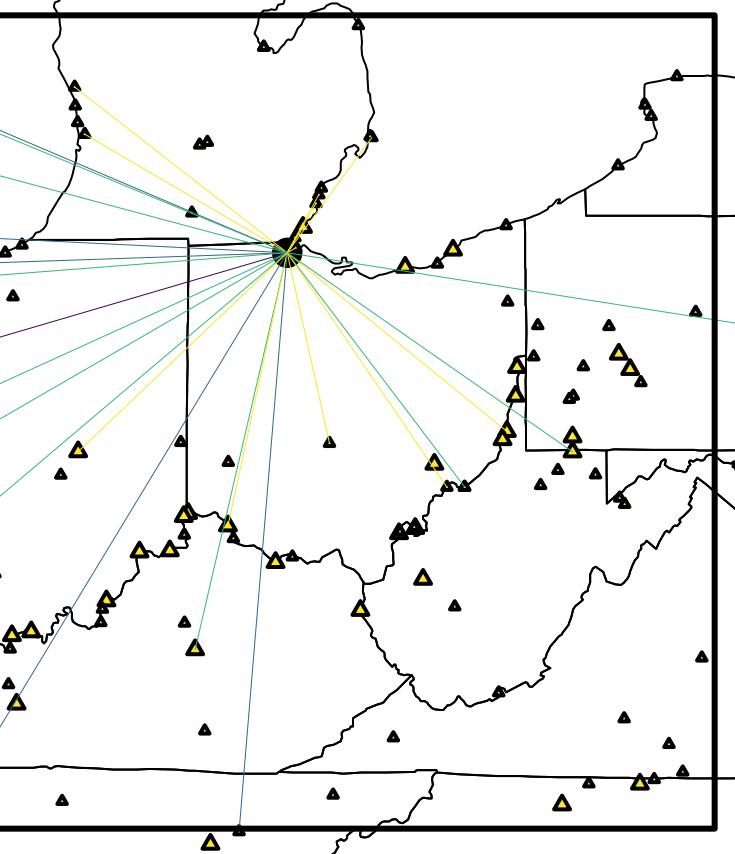
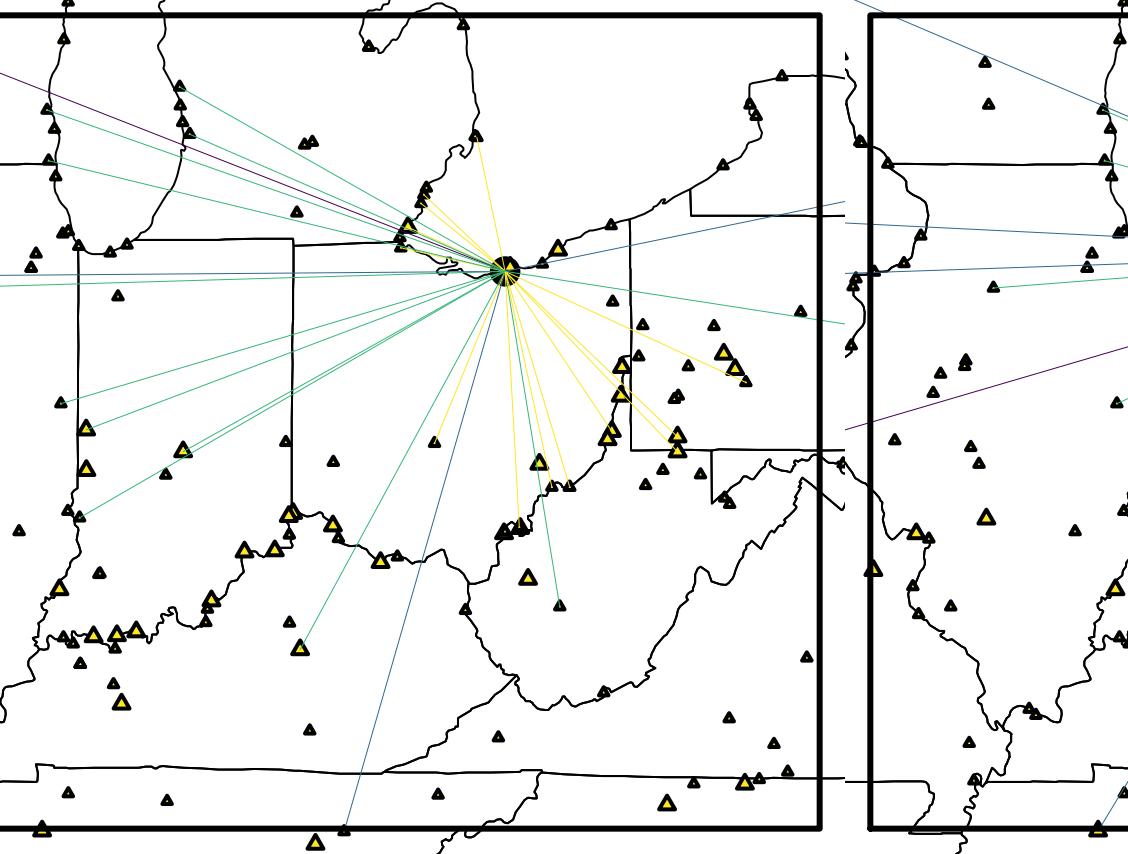
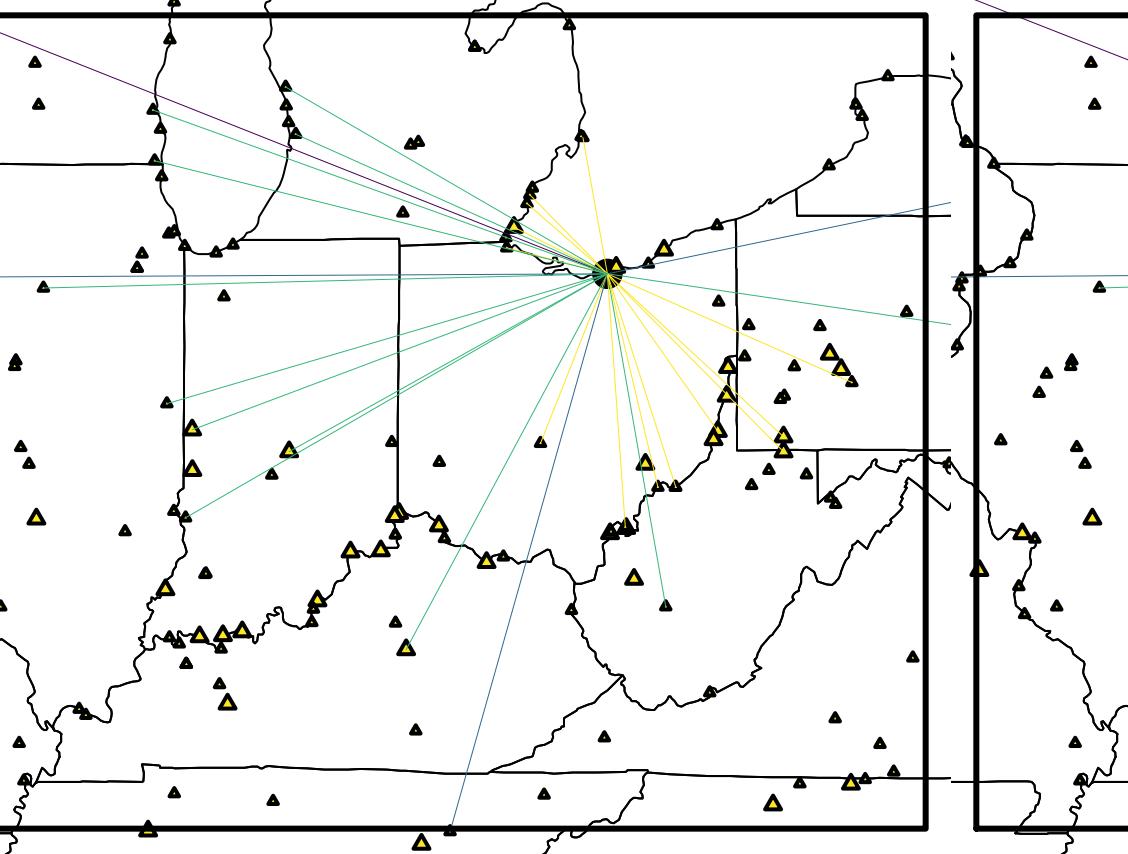
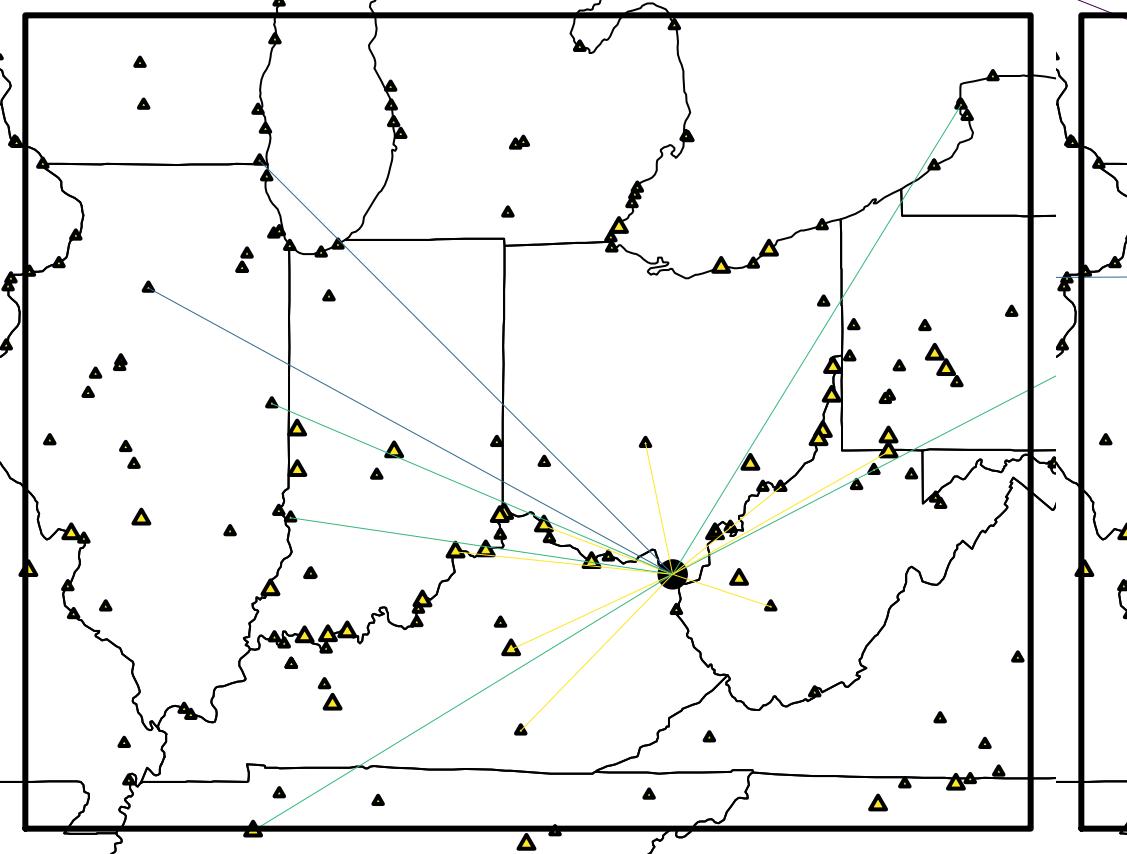
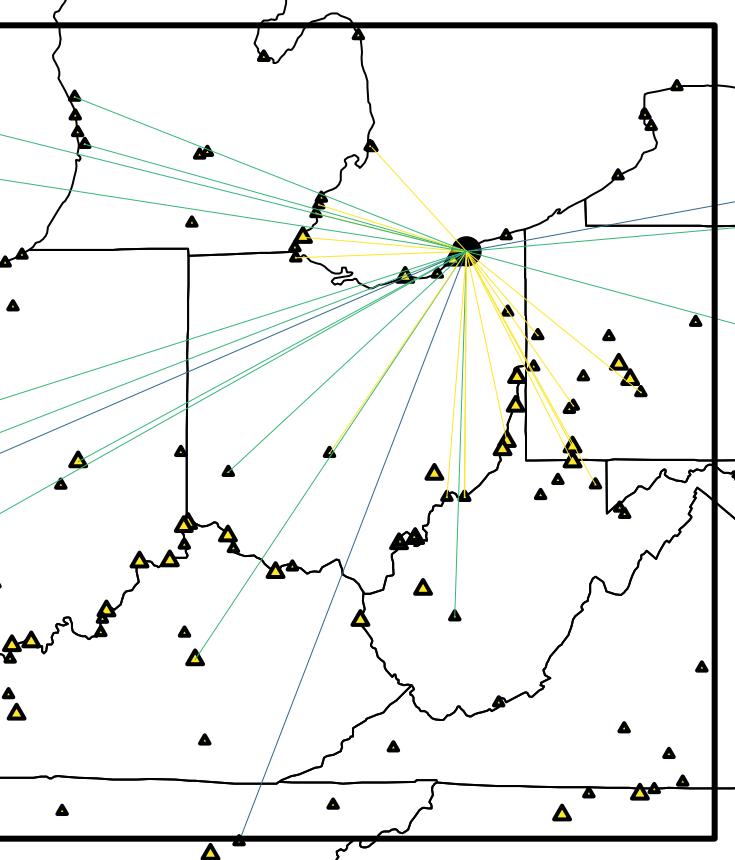
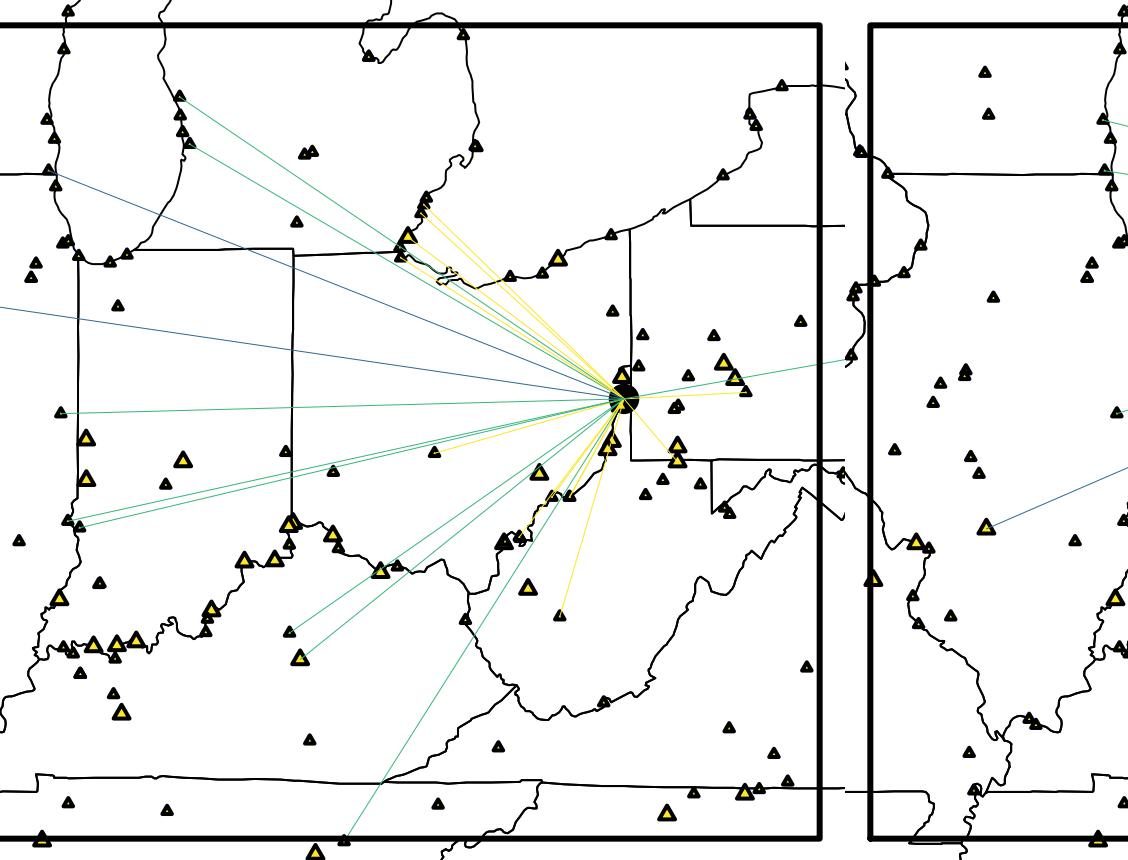
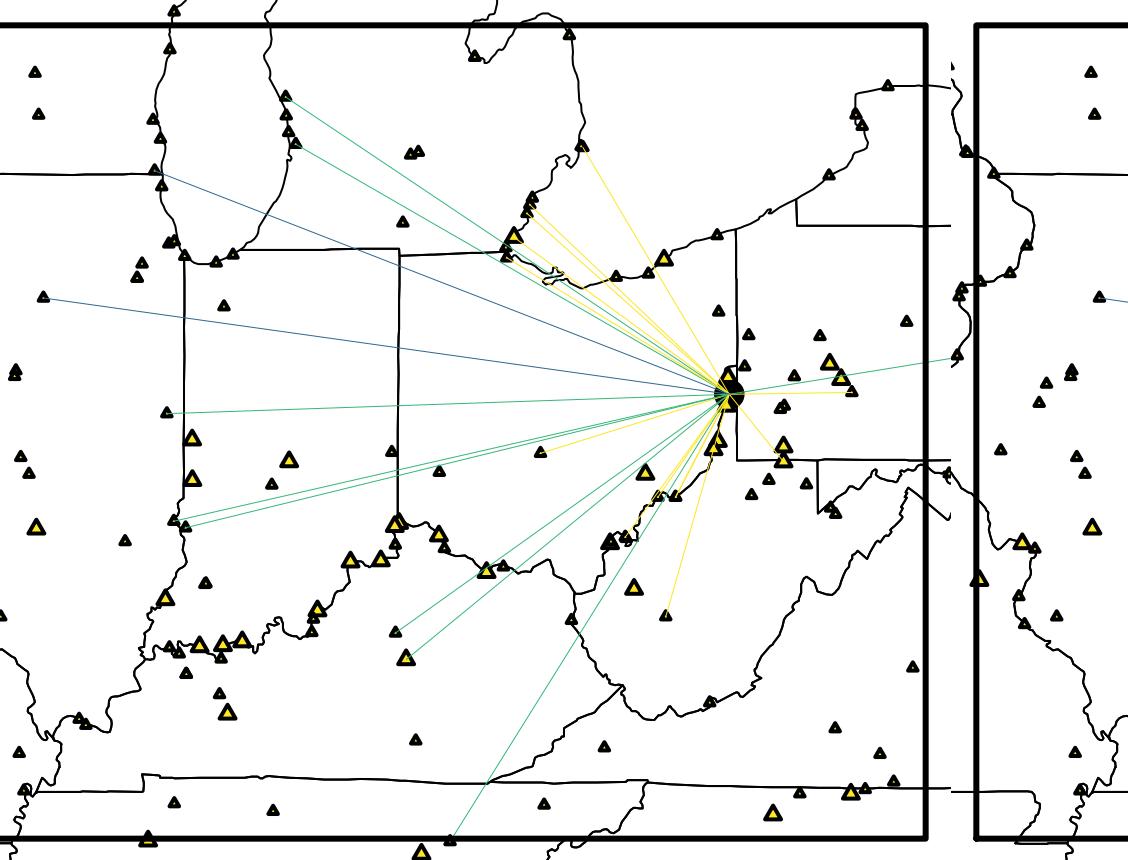
## Lag 3 edges

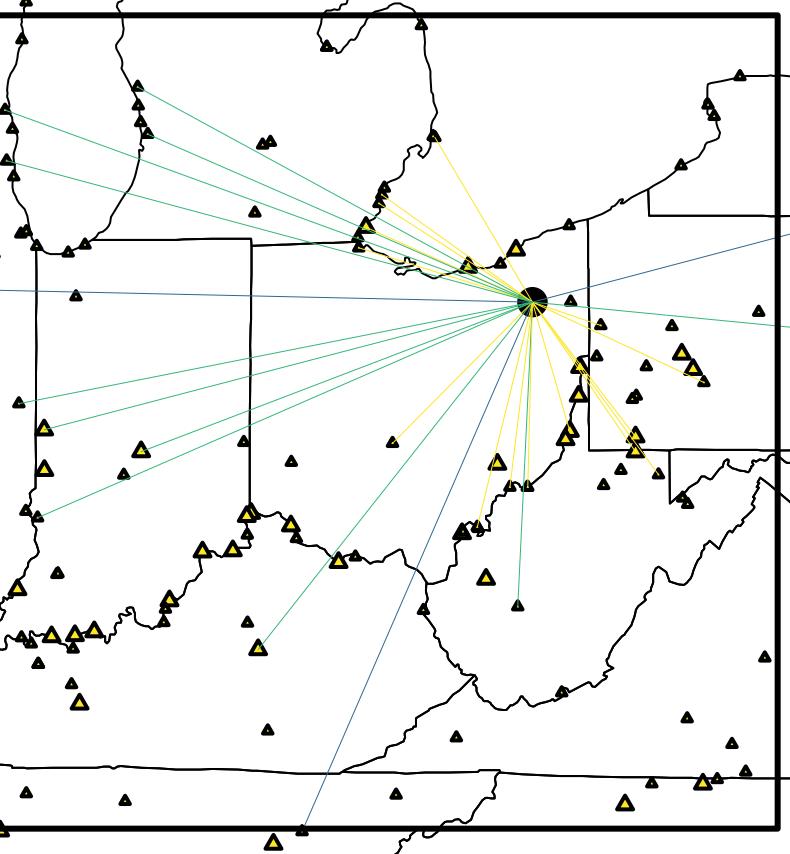
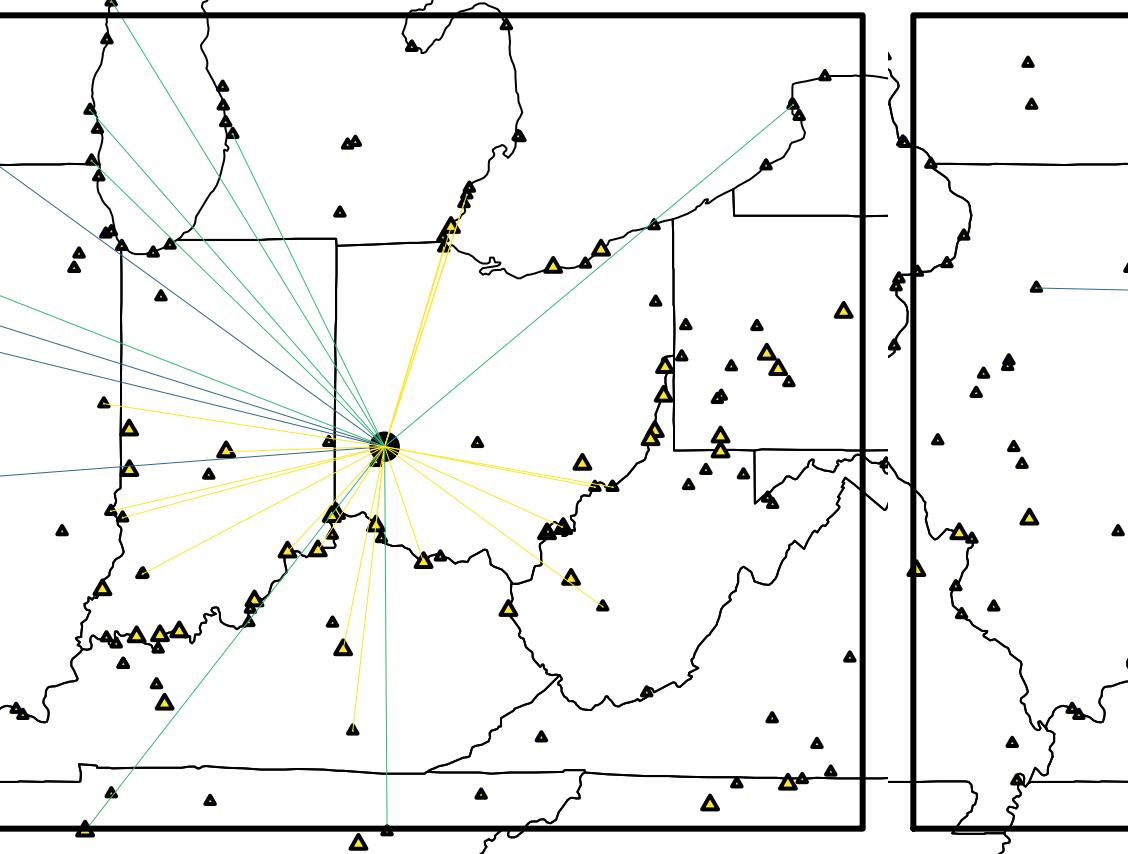
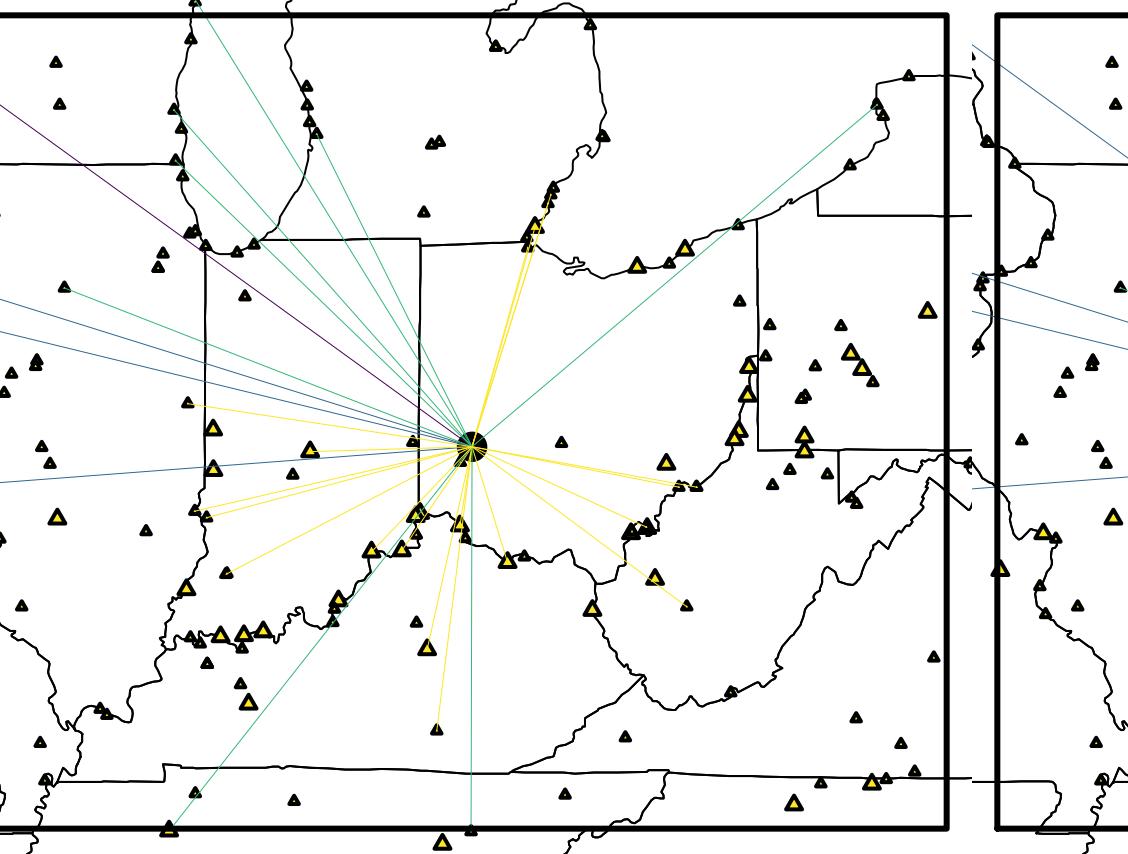
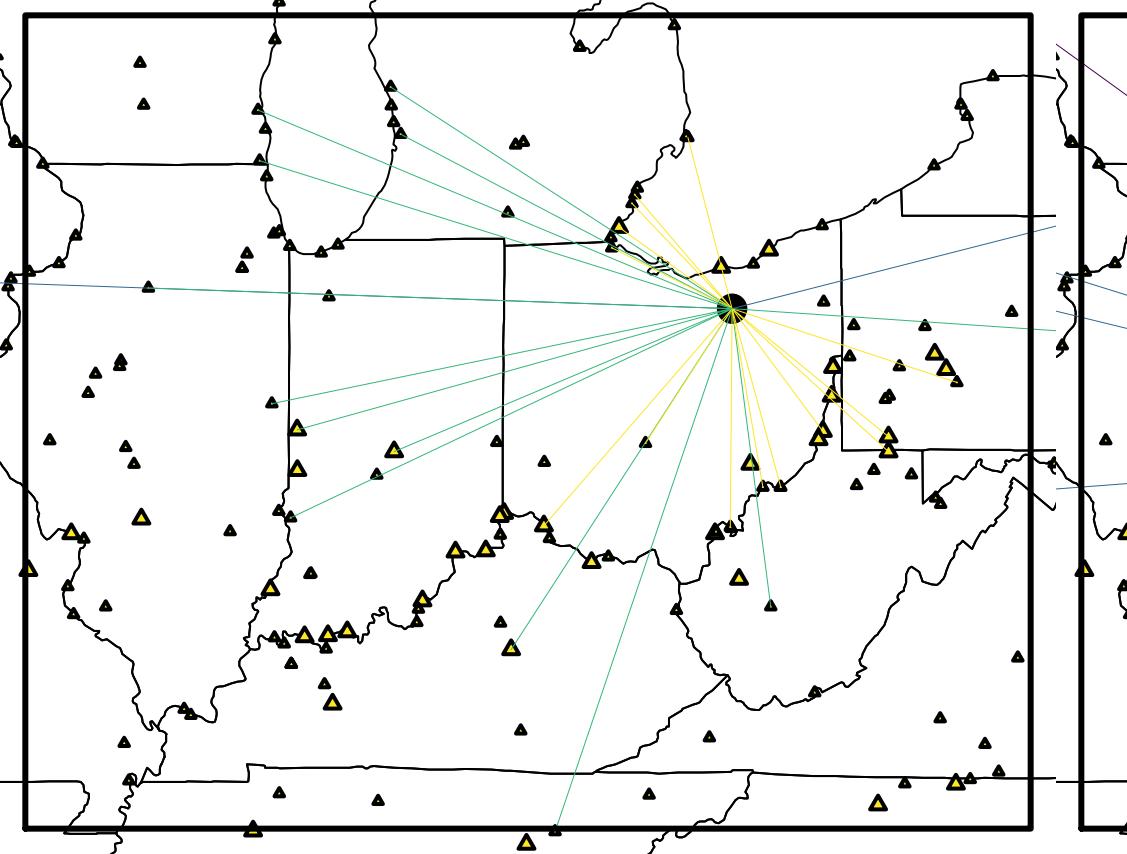
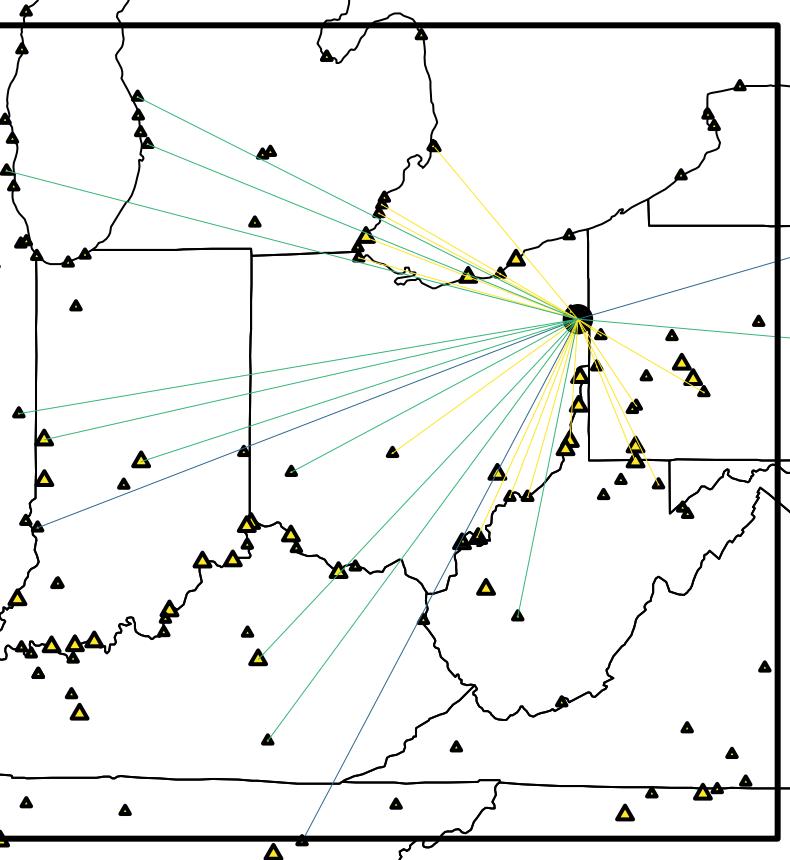
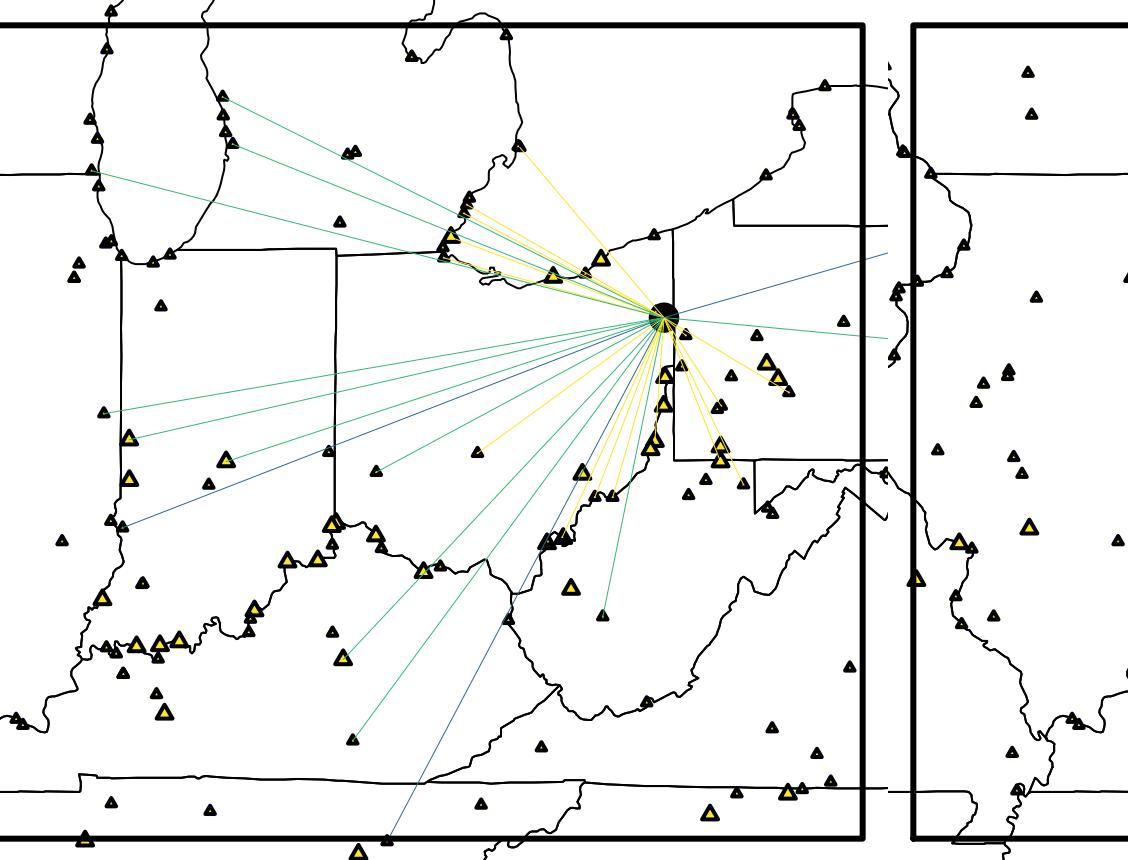
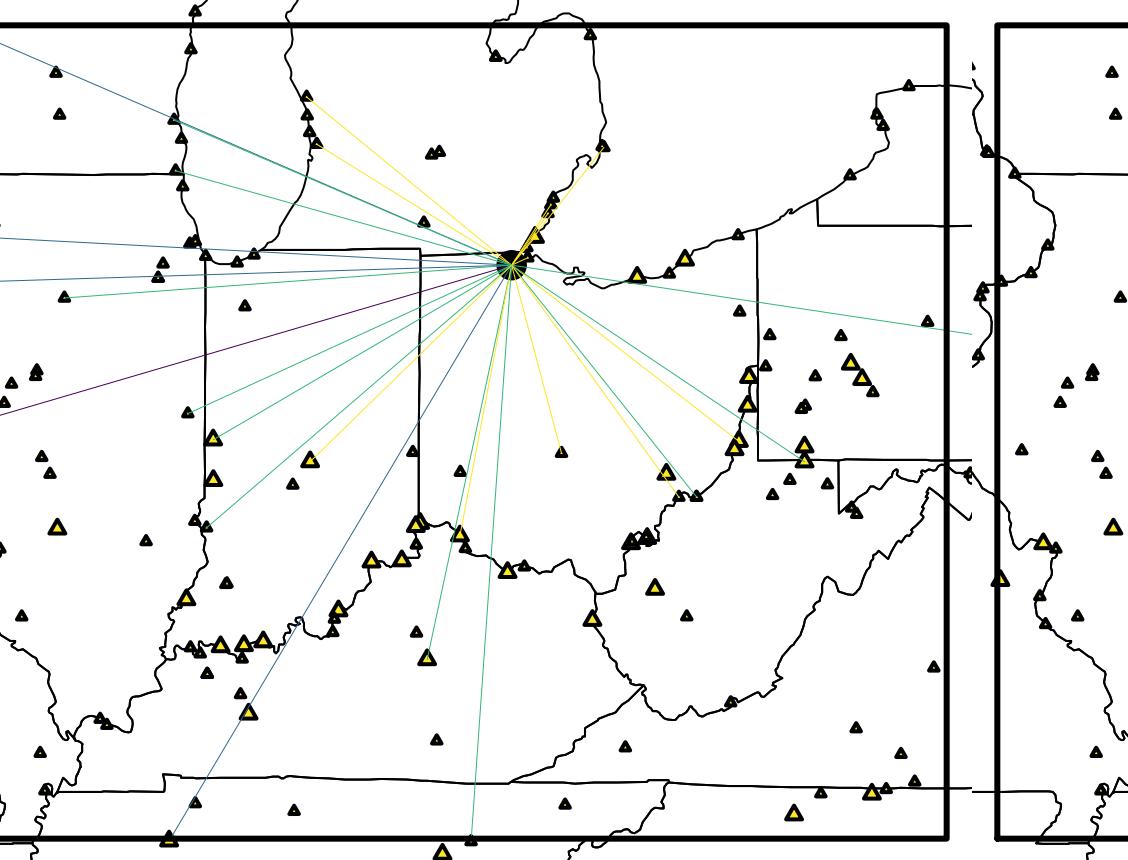


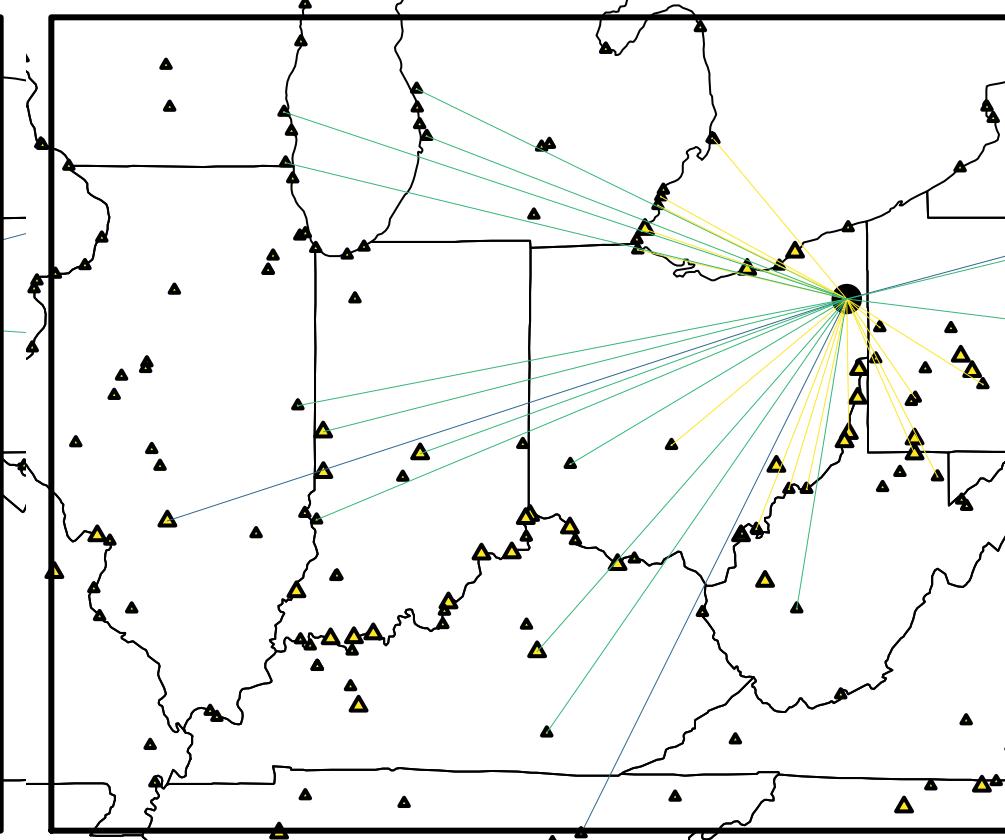
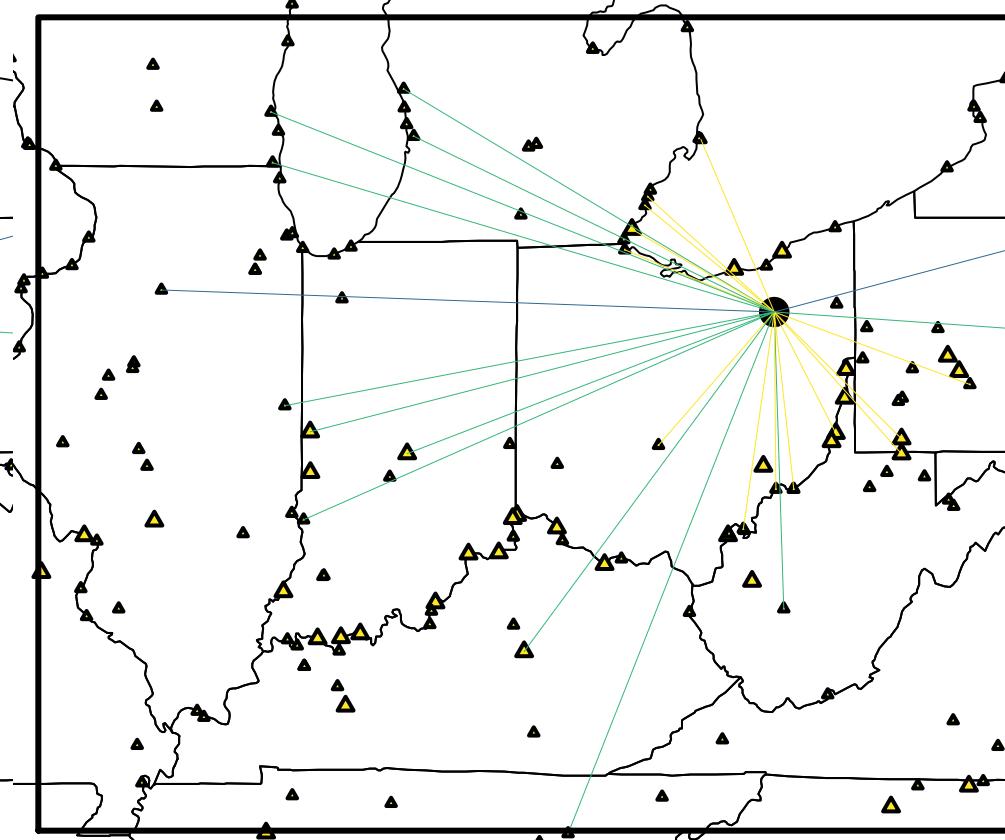
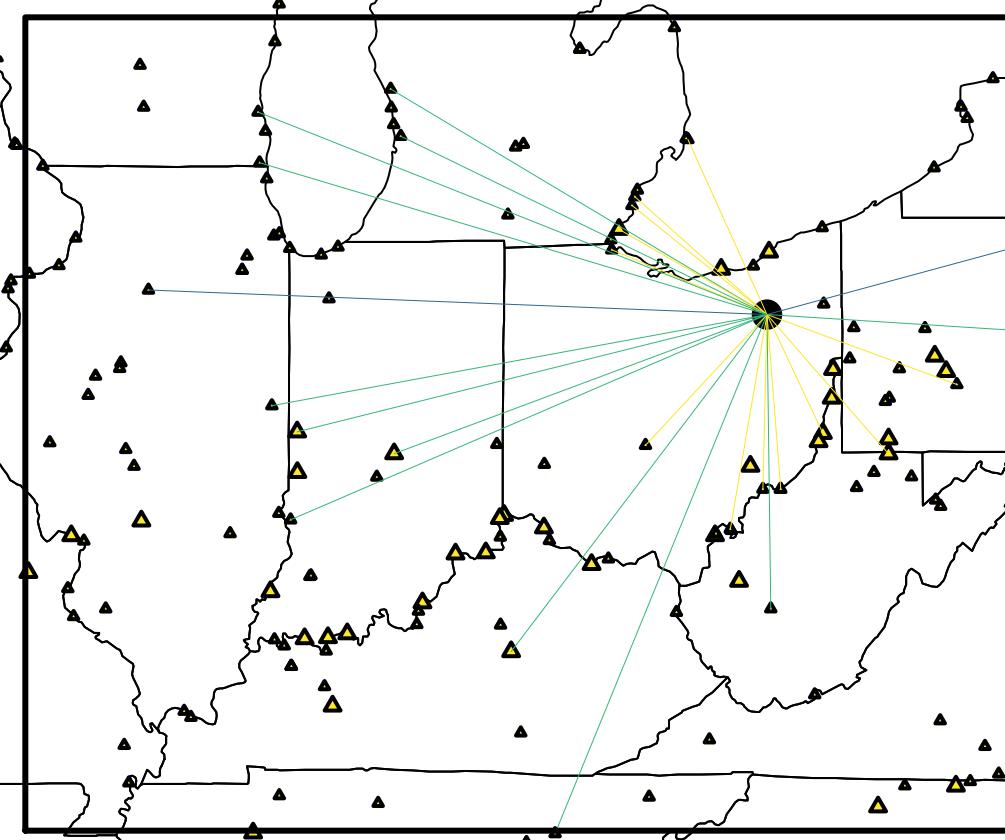
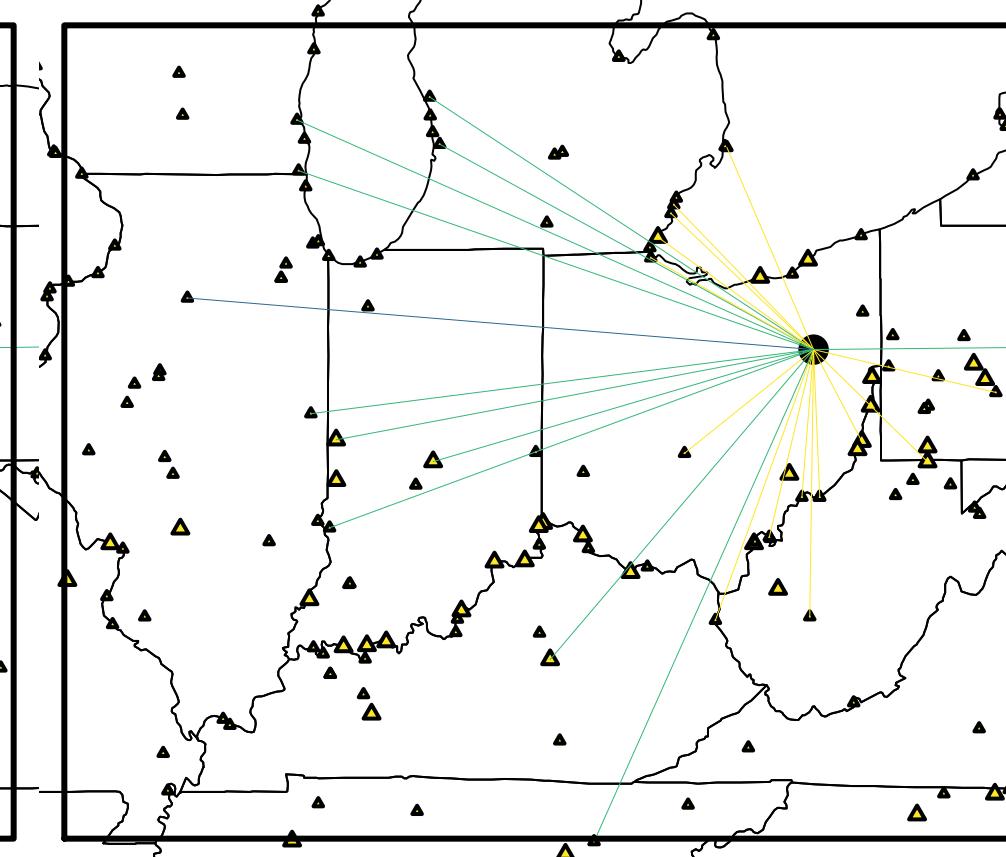
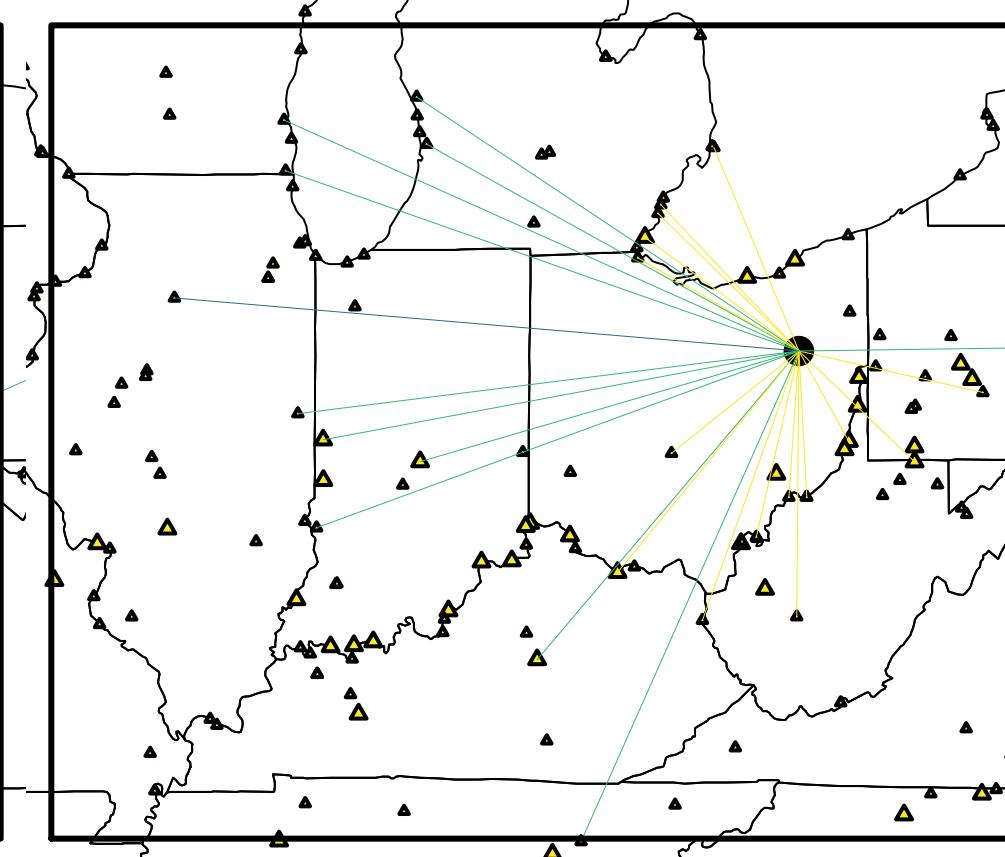
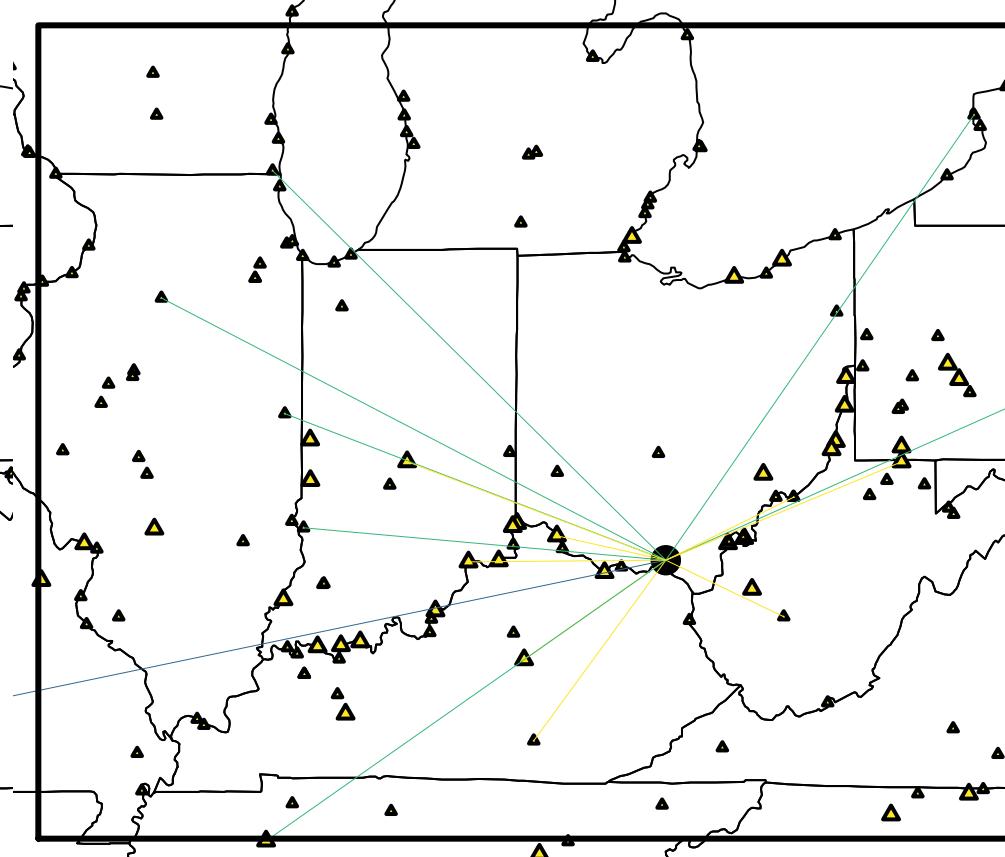
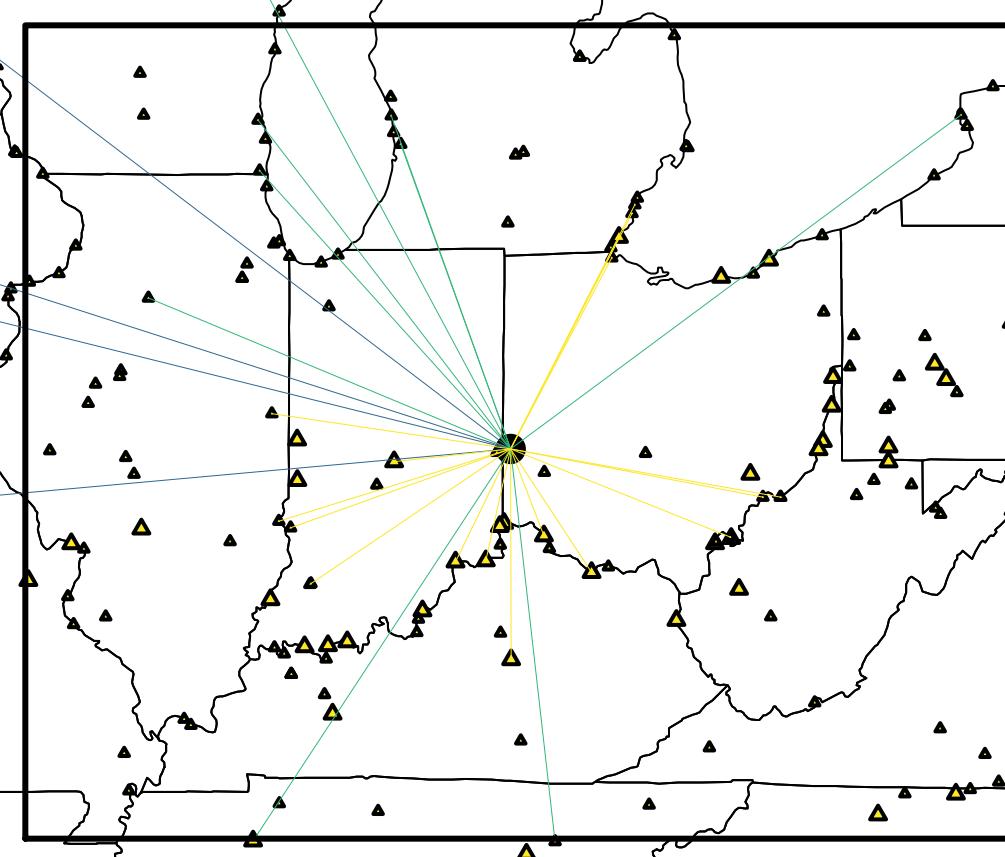


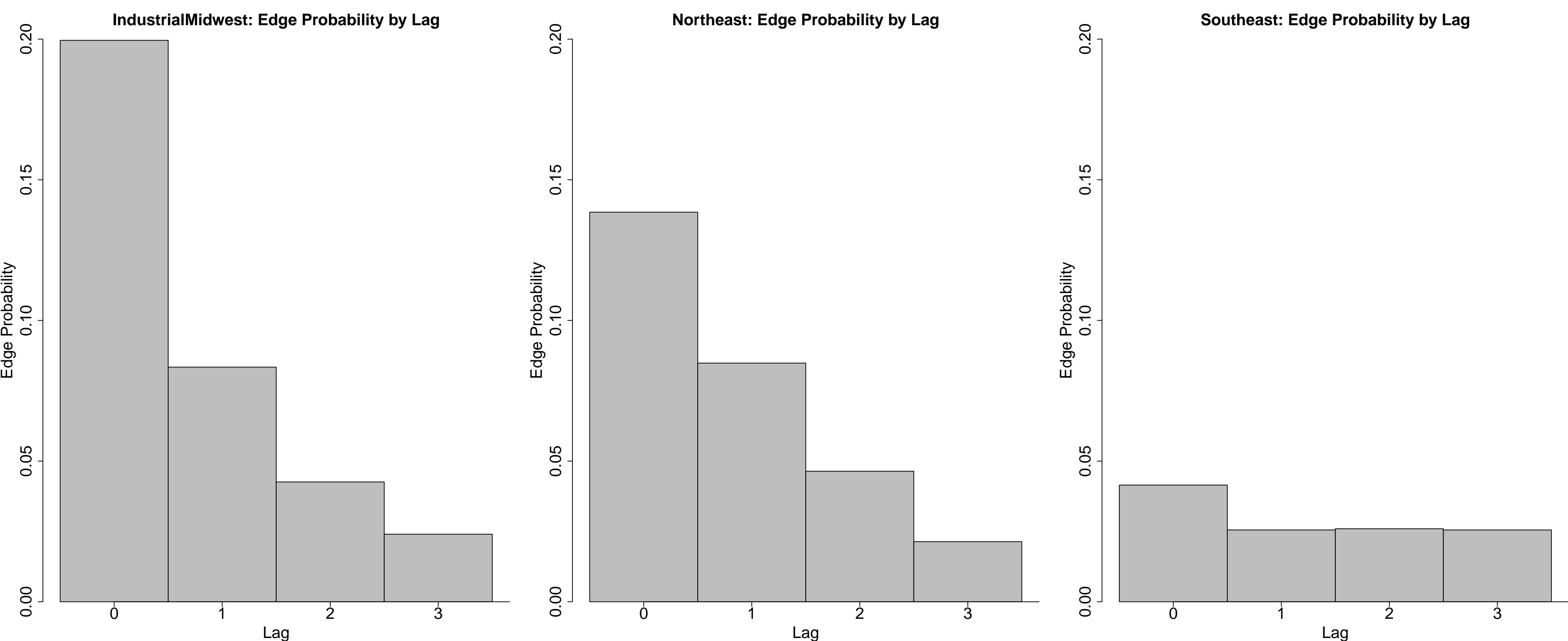




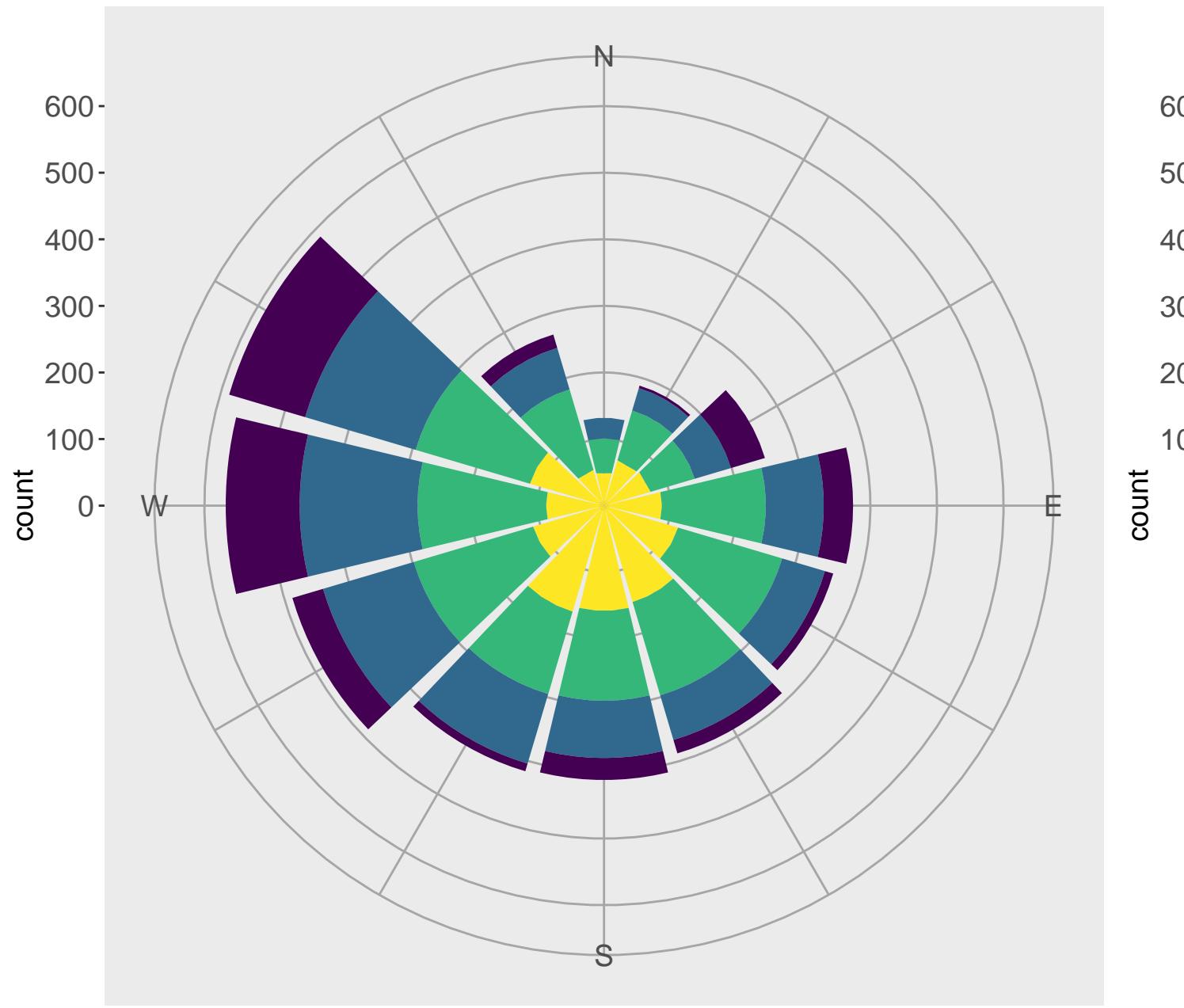




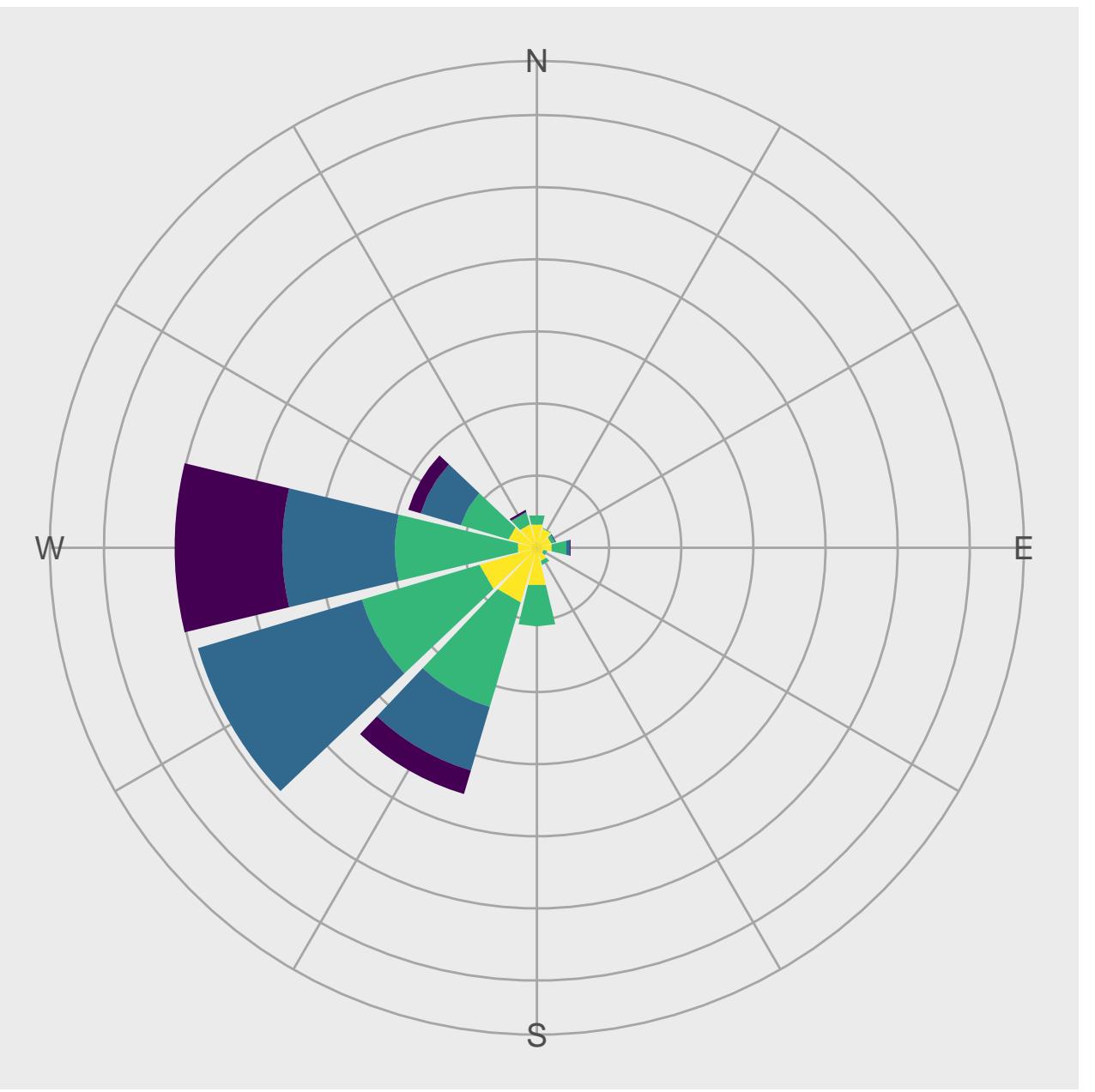




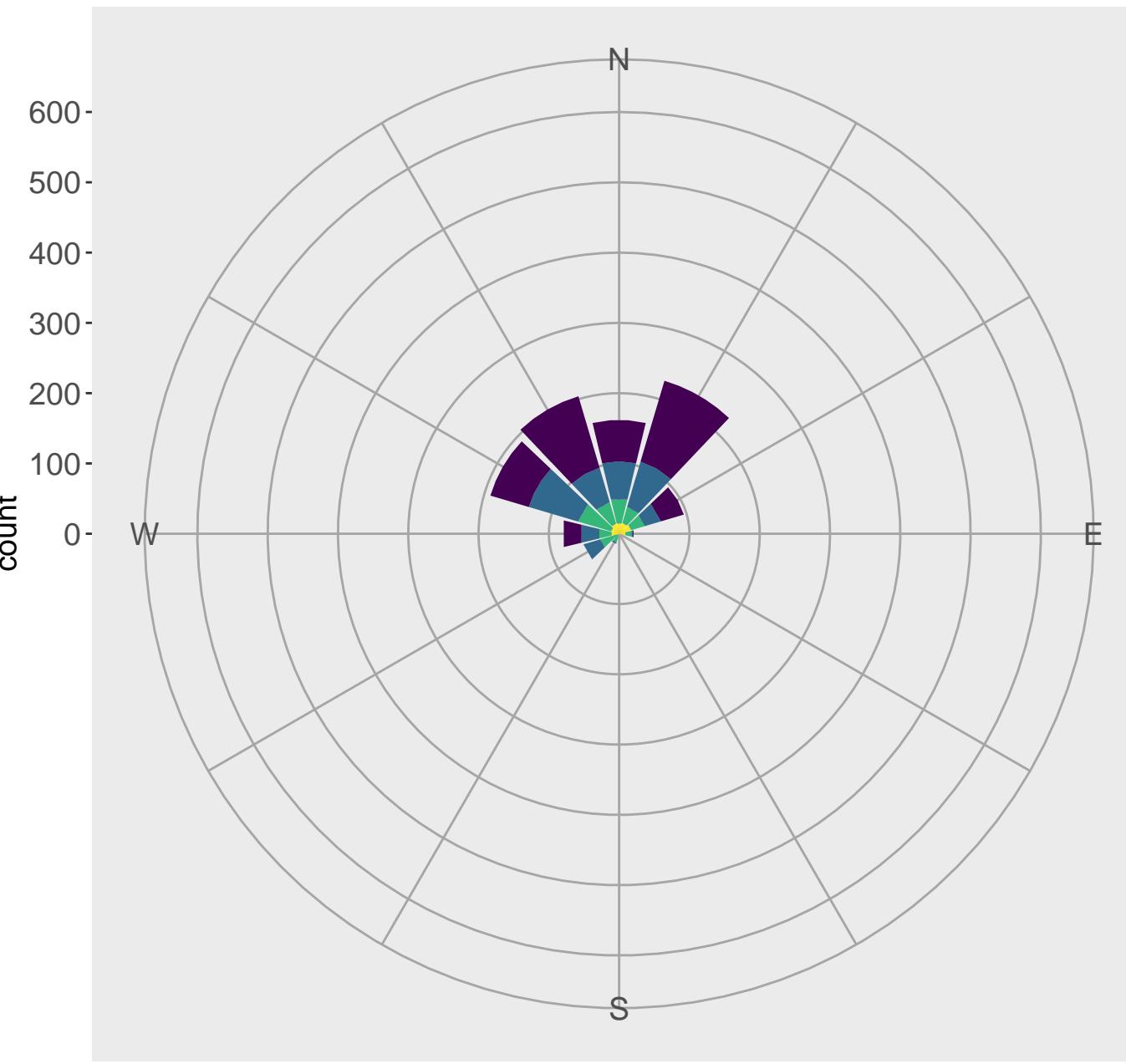
**Edge counts by distance/direction to source  
IndustrialMidwest receptors**



**Edge counts by distance/direction to source  
Northeast receptors**



**Edge counts by distance/direction to source  
Southeast receptors**



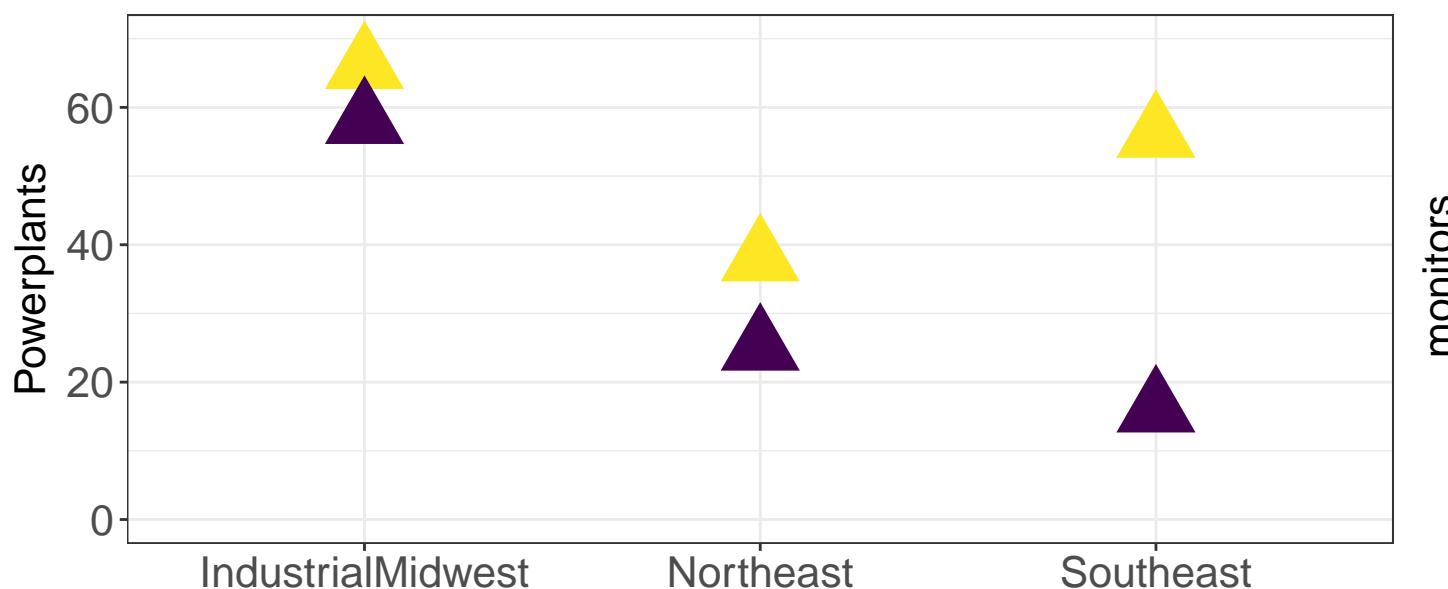
Distance to Source (km)    750–1000    500–750    250–500    0–250

Distance to Source (km)    750–1000    500–750    250–500    0–250

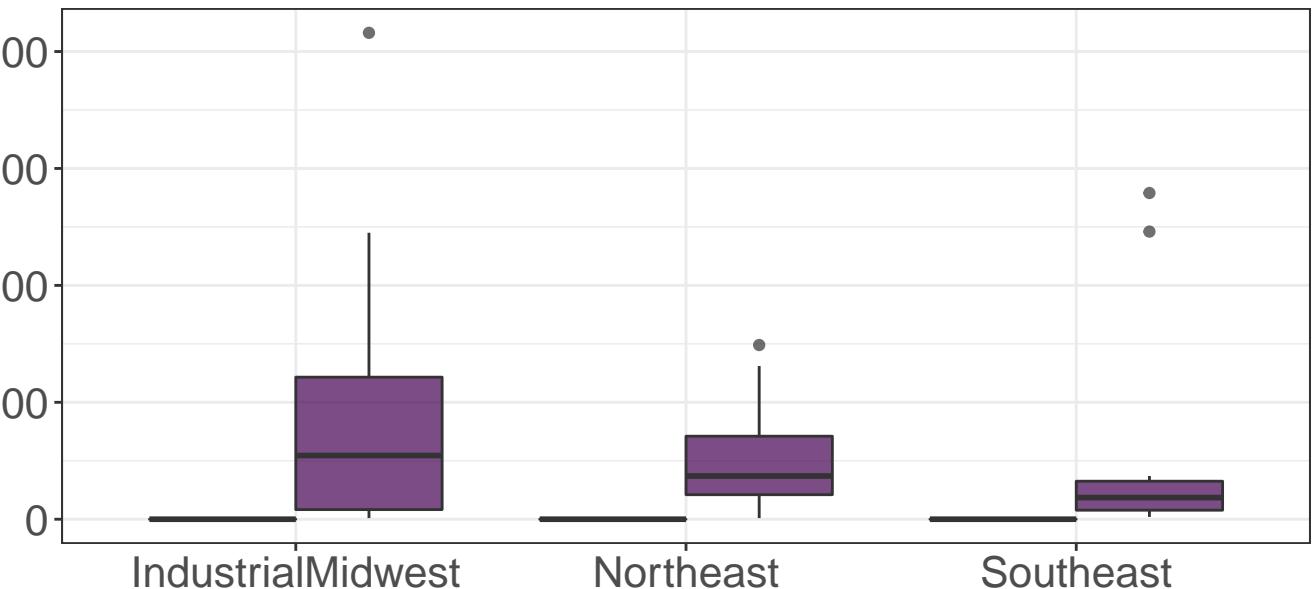
Distance to Source (km)    750–1000    500–750    250–500    0–250

# Why do some power plants have linked monitors and others do not?

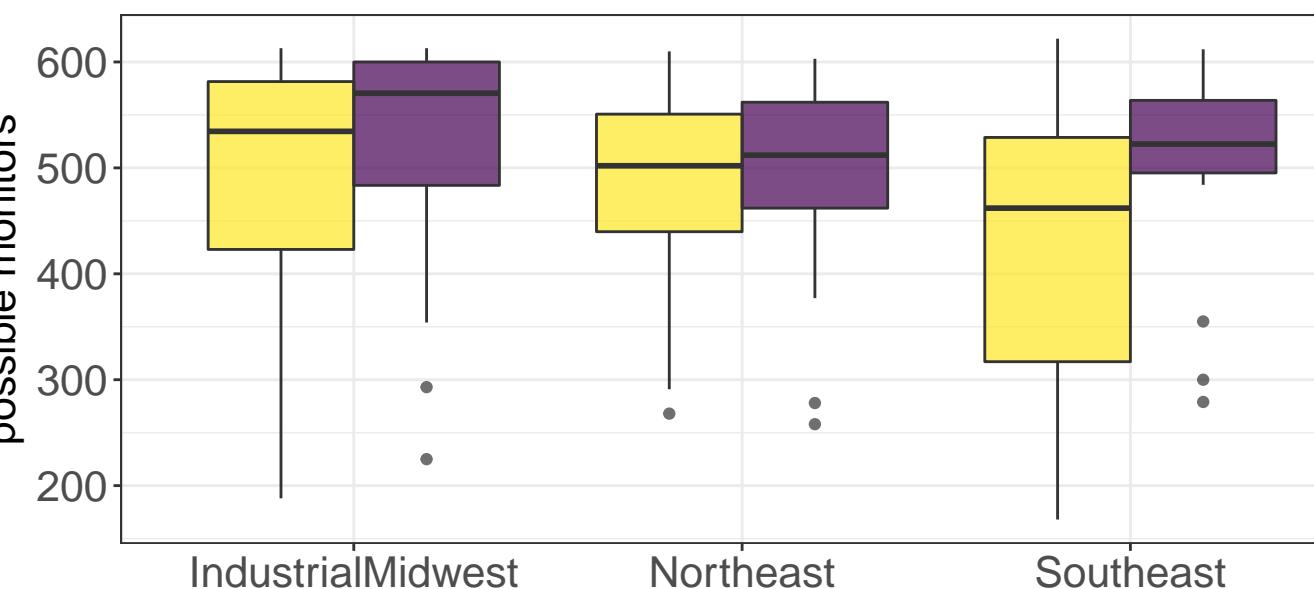
Number of powerplants



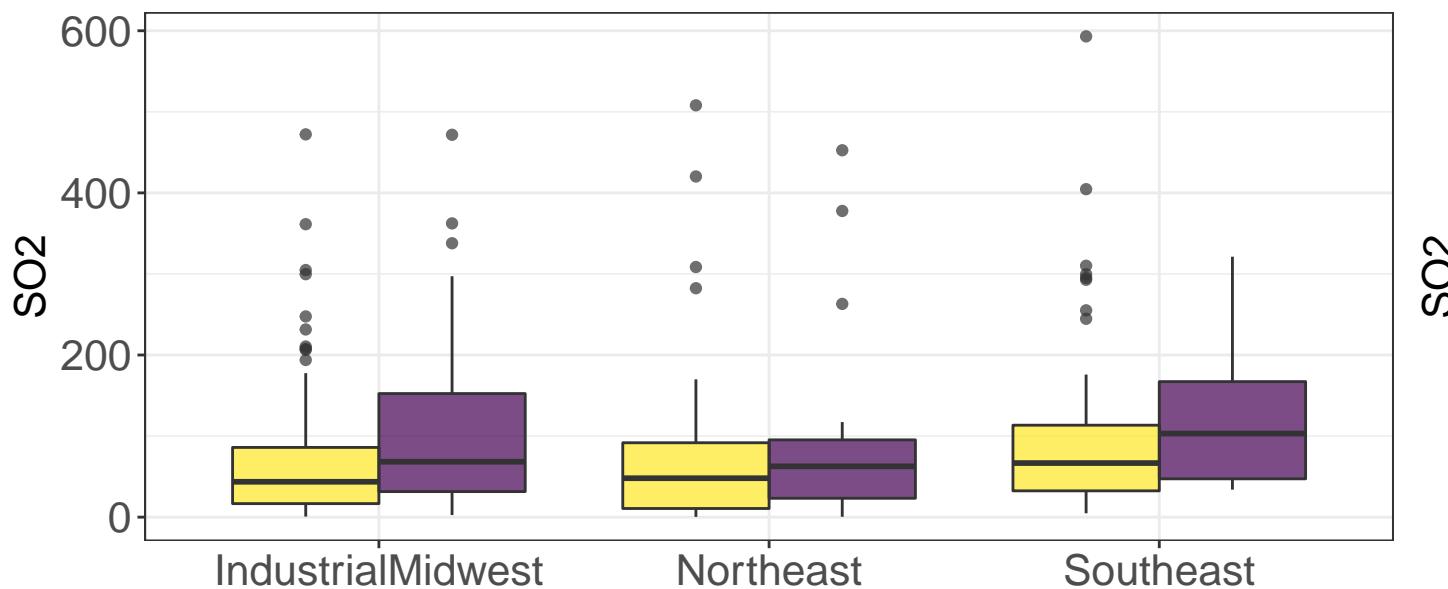
Number of linked monitors



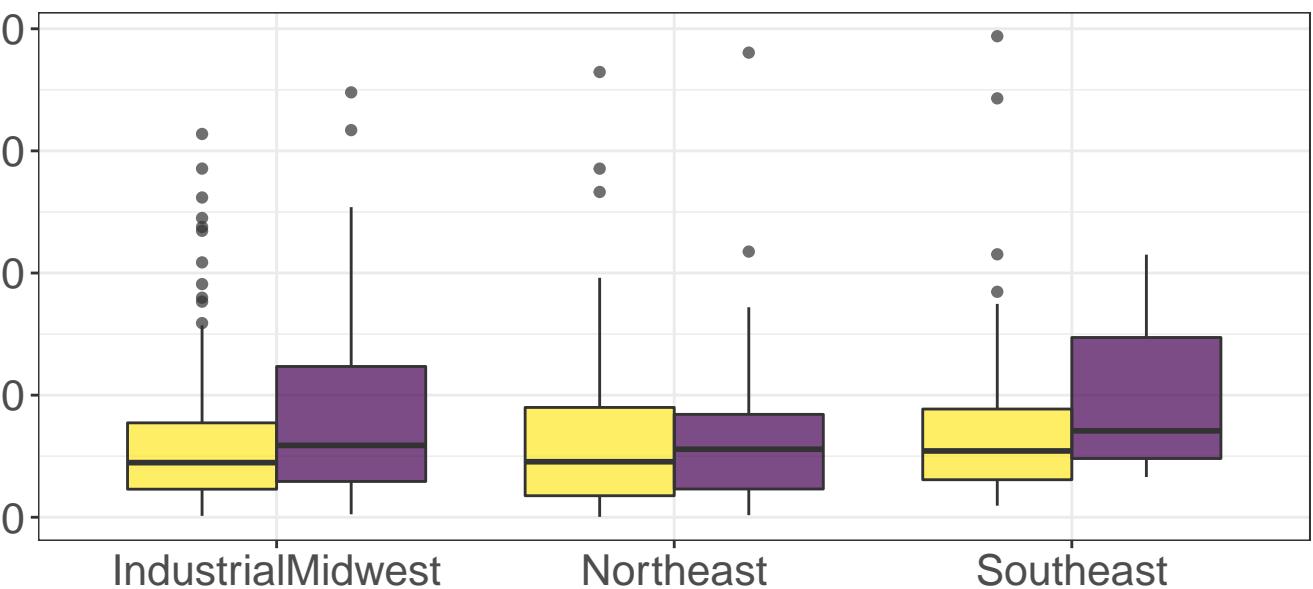
Number of possible linked monitors



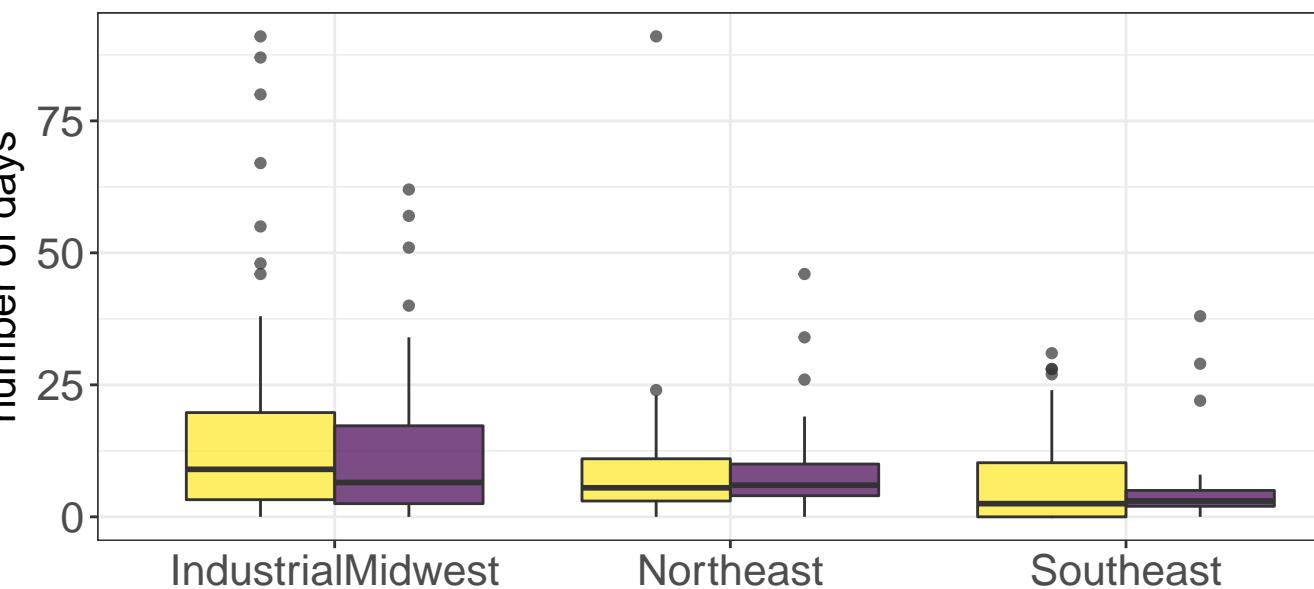
Average daily emissions



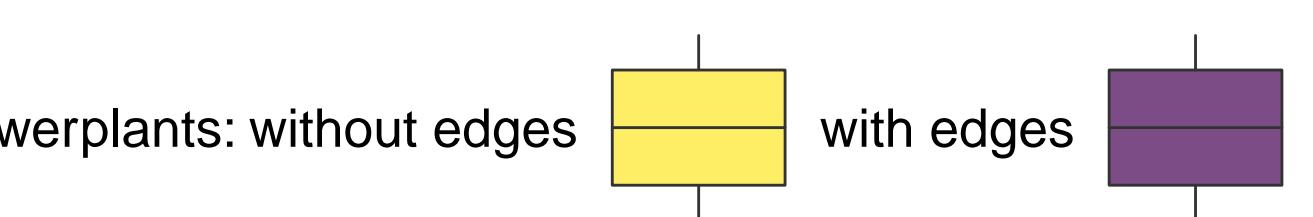
Standard deviation in daily emissions



Number of days (out of 91 total) with missing emissions data



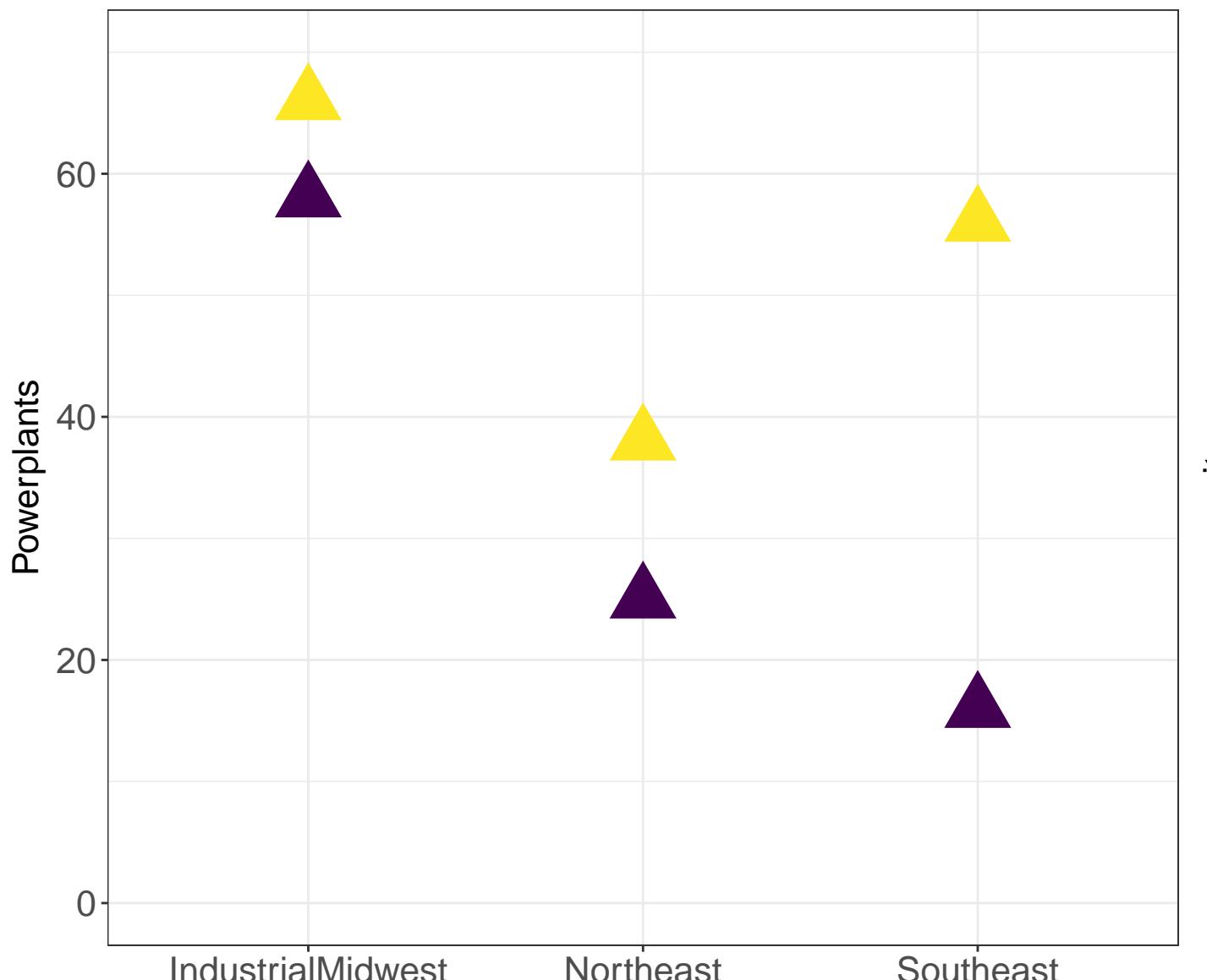
Powerplants: without edges



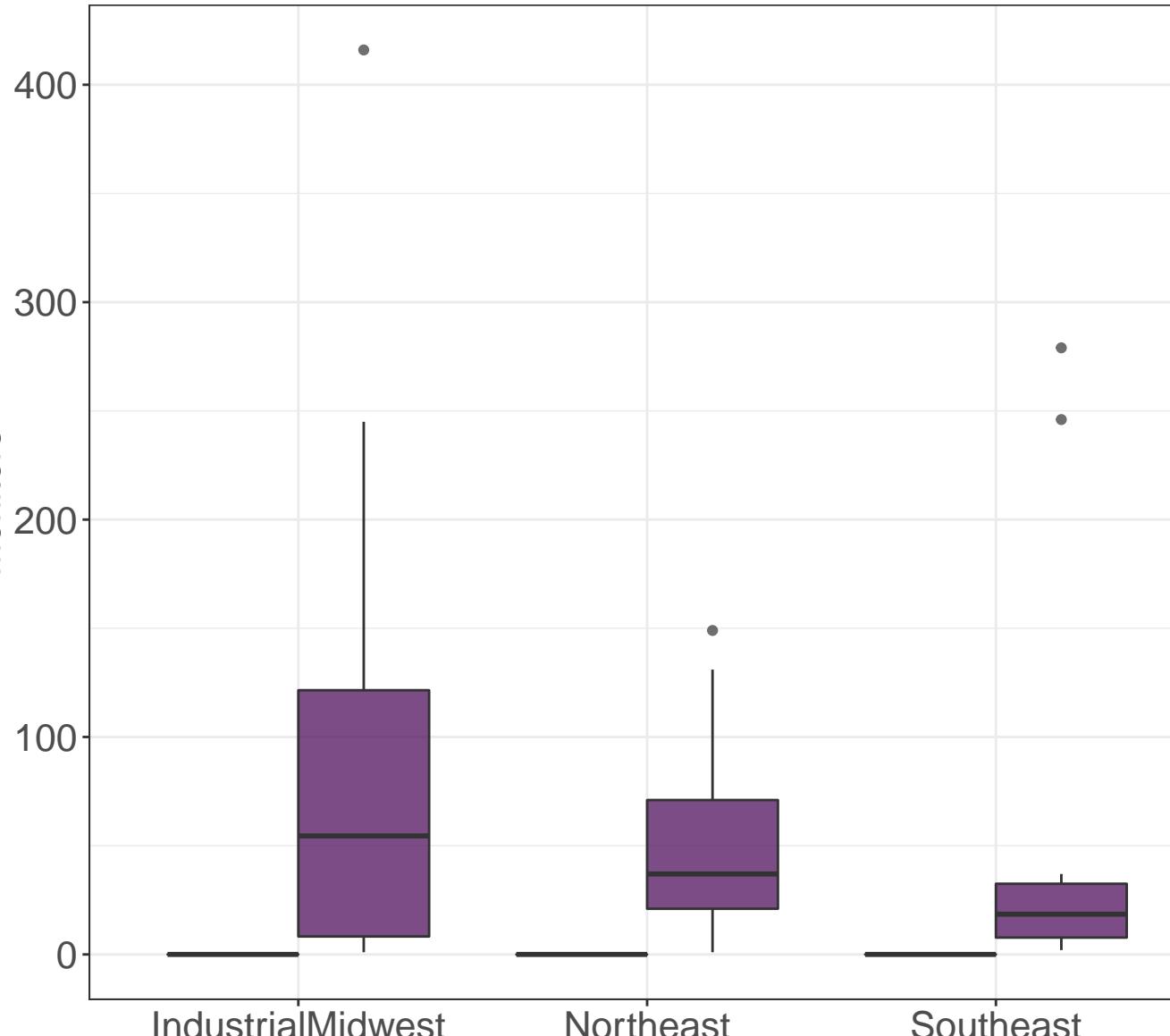
with edges

# Why do some power plants have linked monitors and others do not?

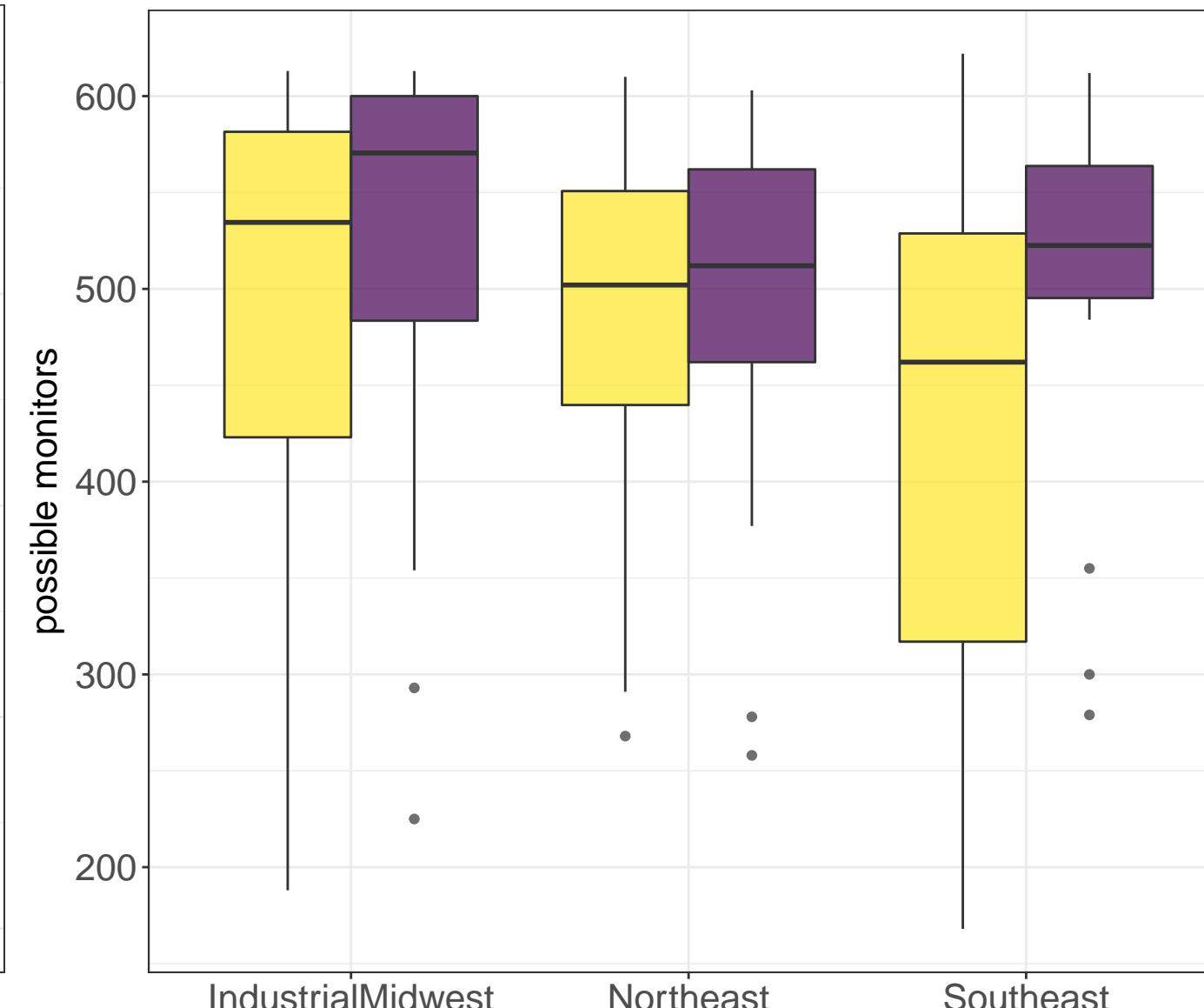
Number of powerplants



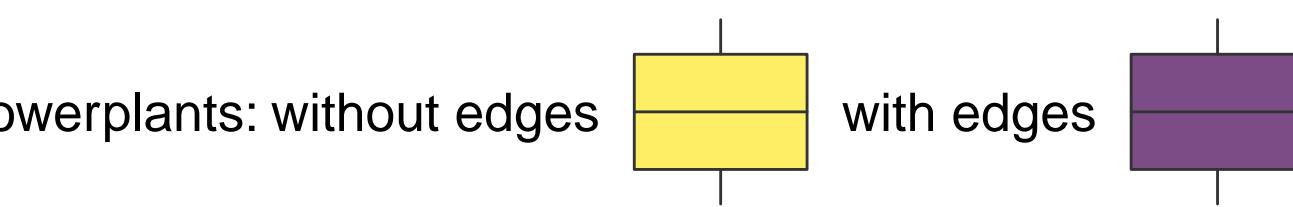
Number of linked monitors



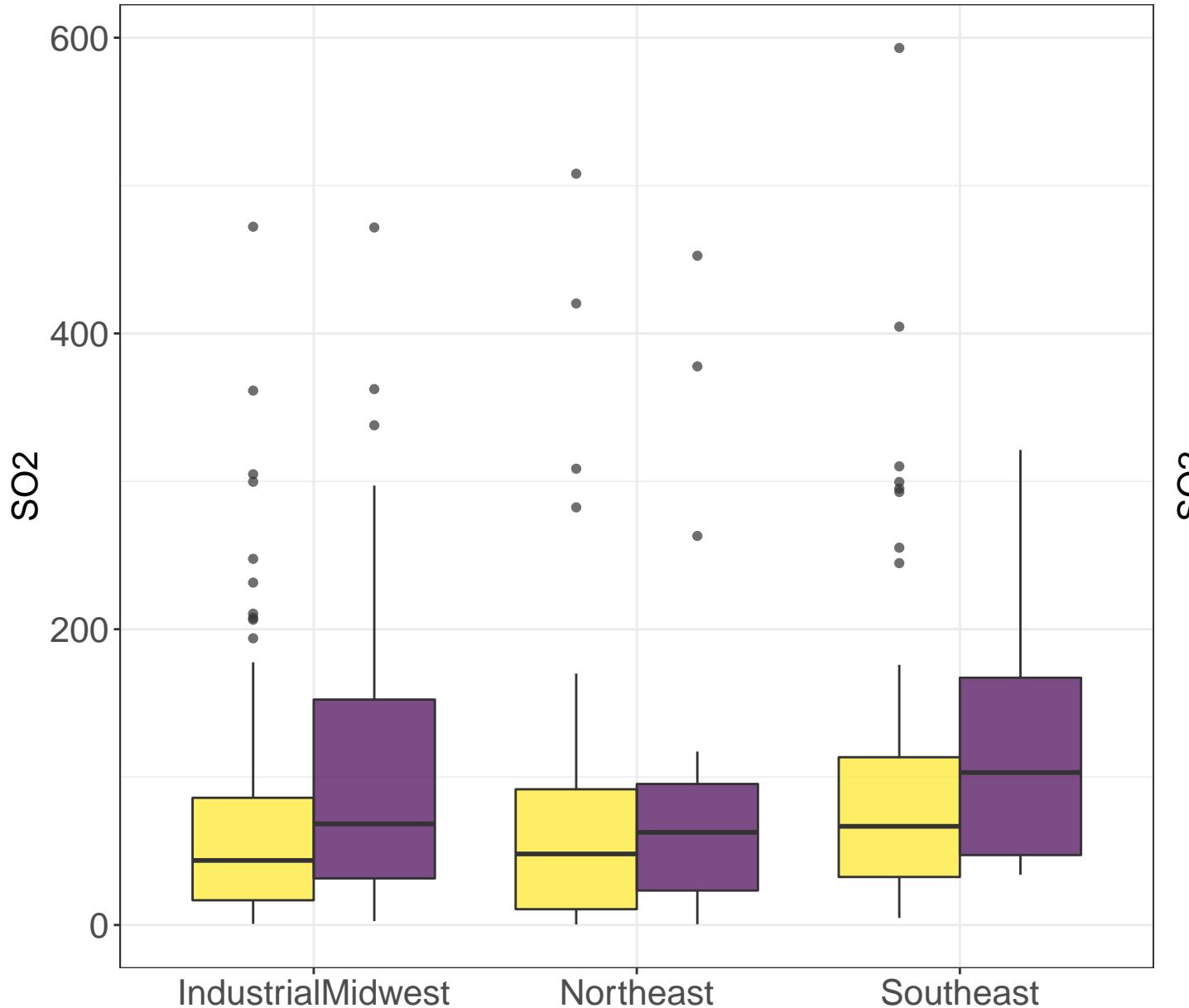
Number of possible linked monitors



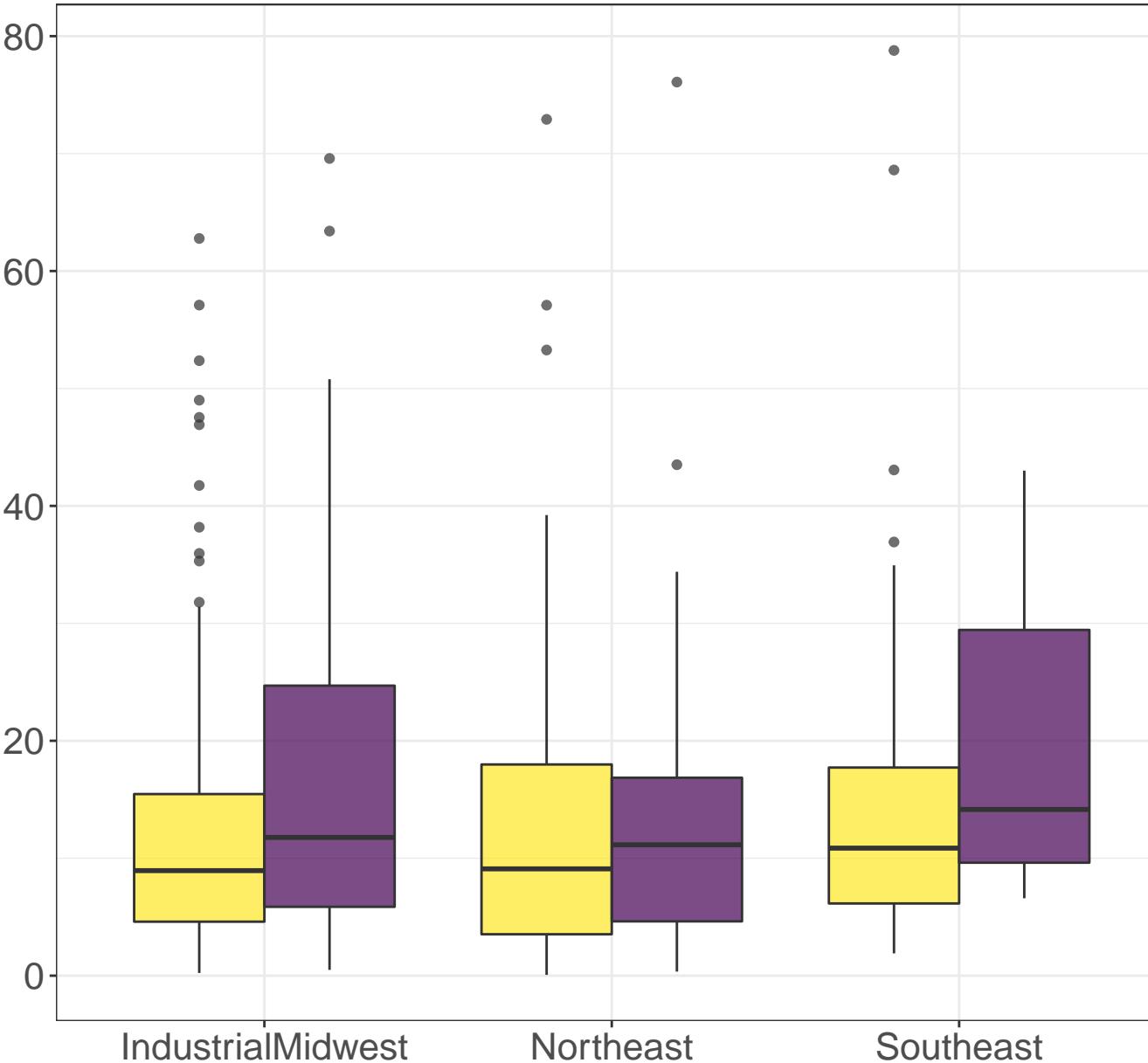
Powerplants: without edges



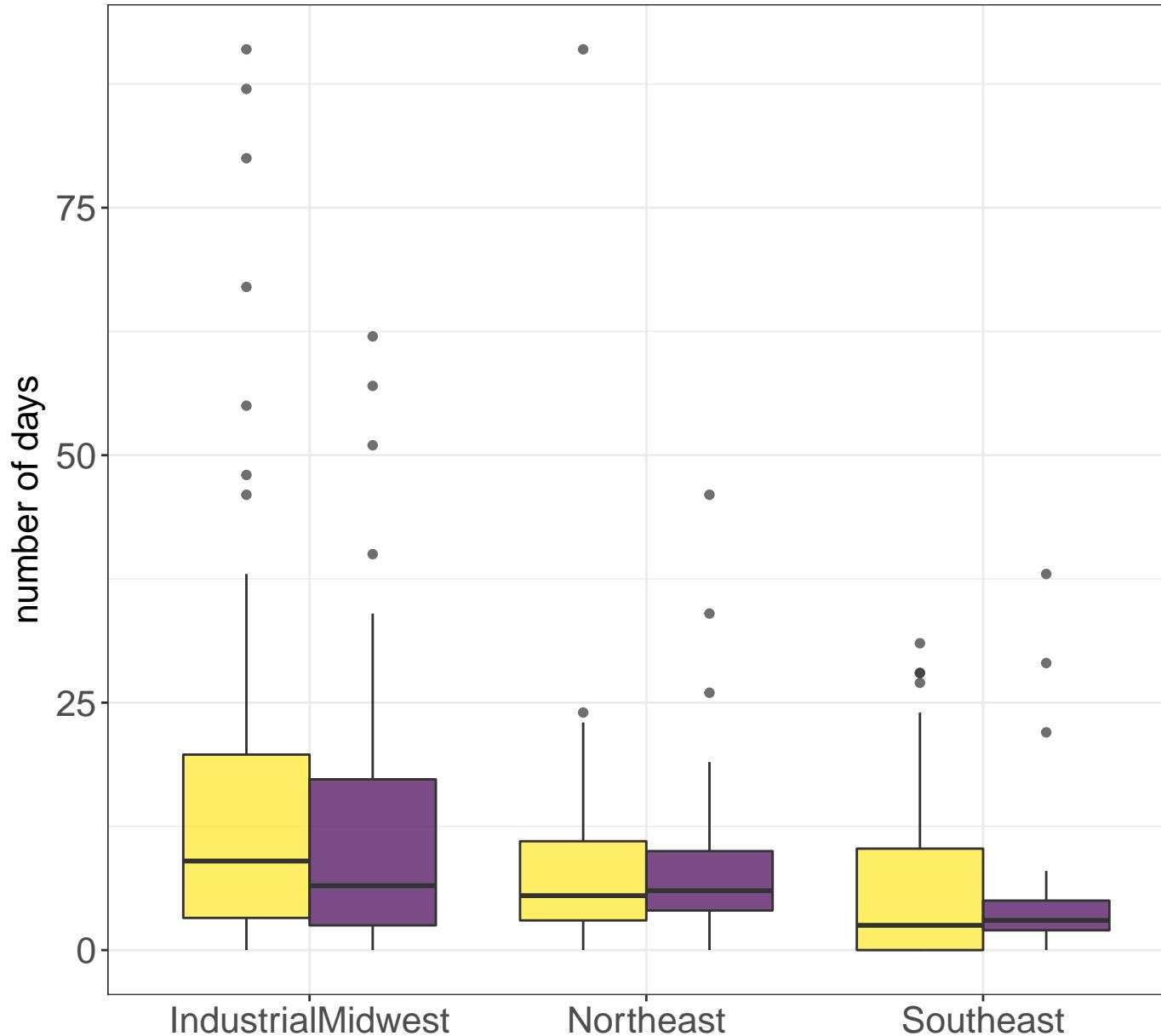
Average daily emissions



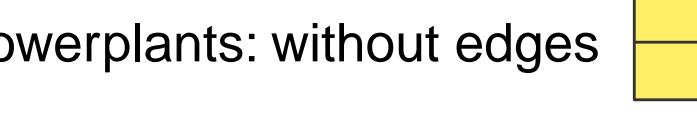
Standard deviation in daily emissions



Number of days (out of 91 total) with missing emissions data

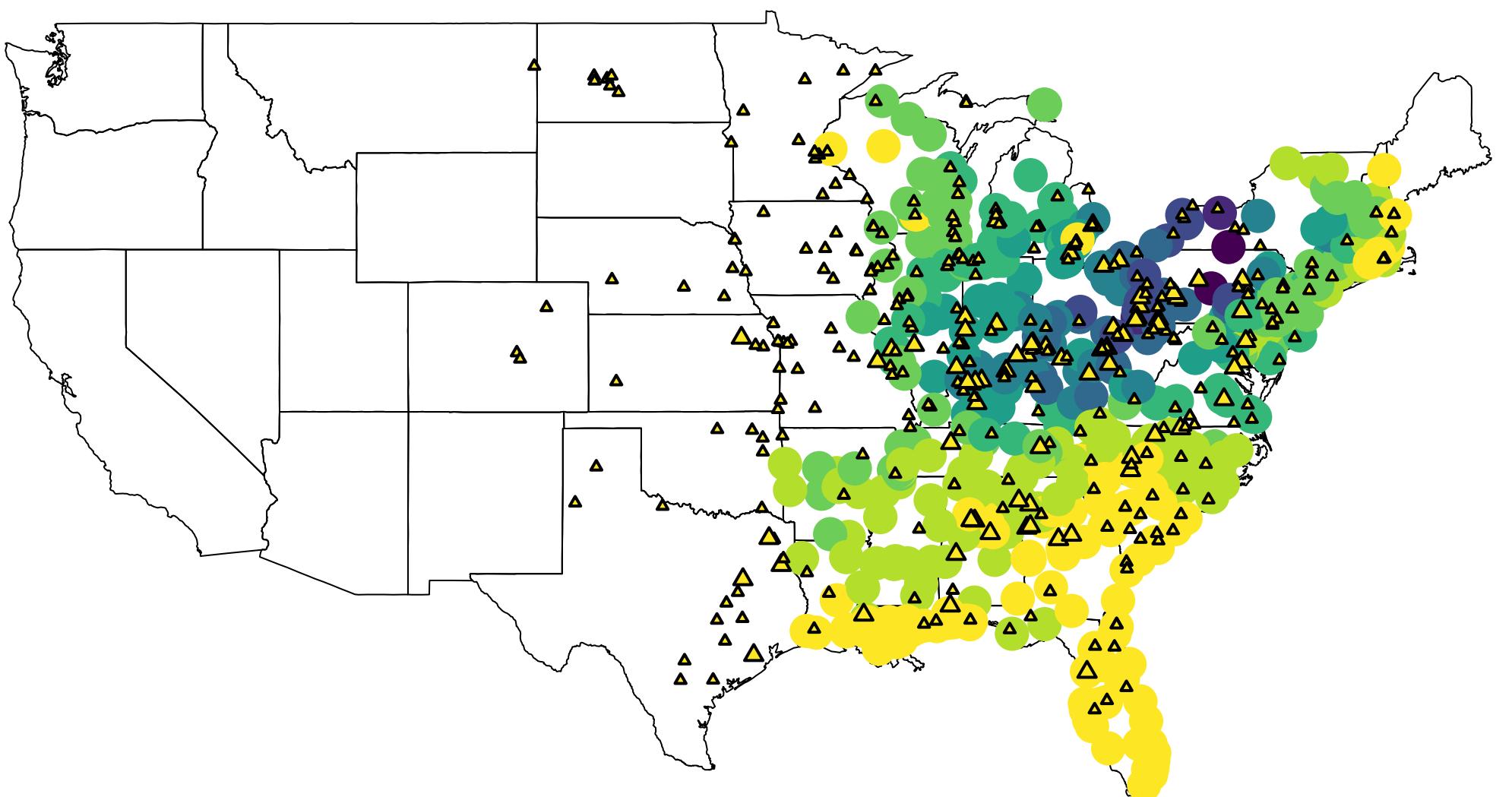


Powerplants: without edges

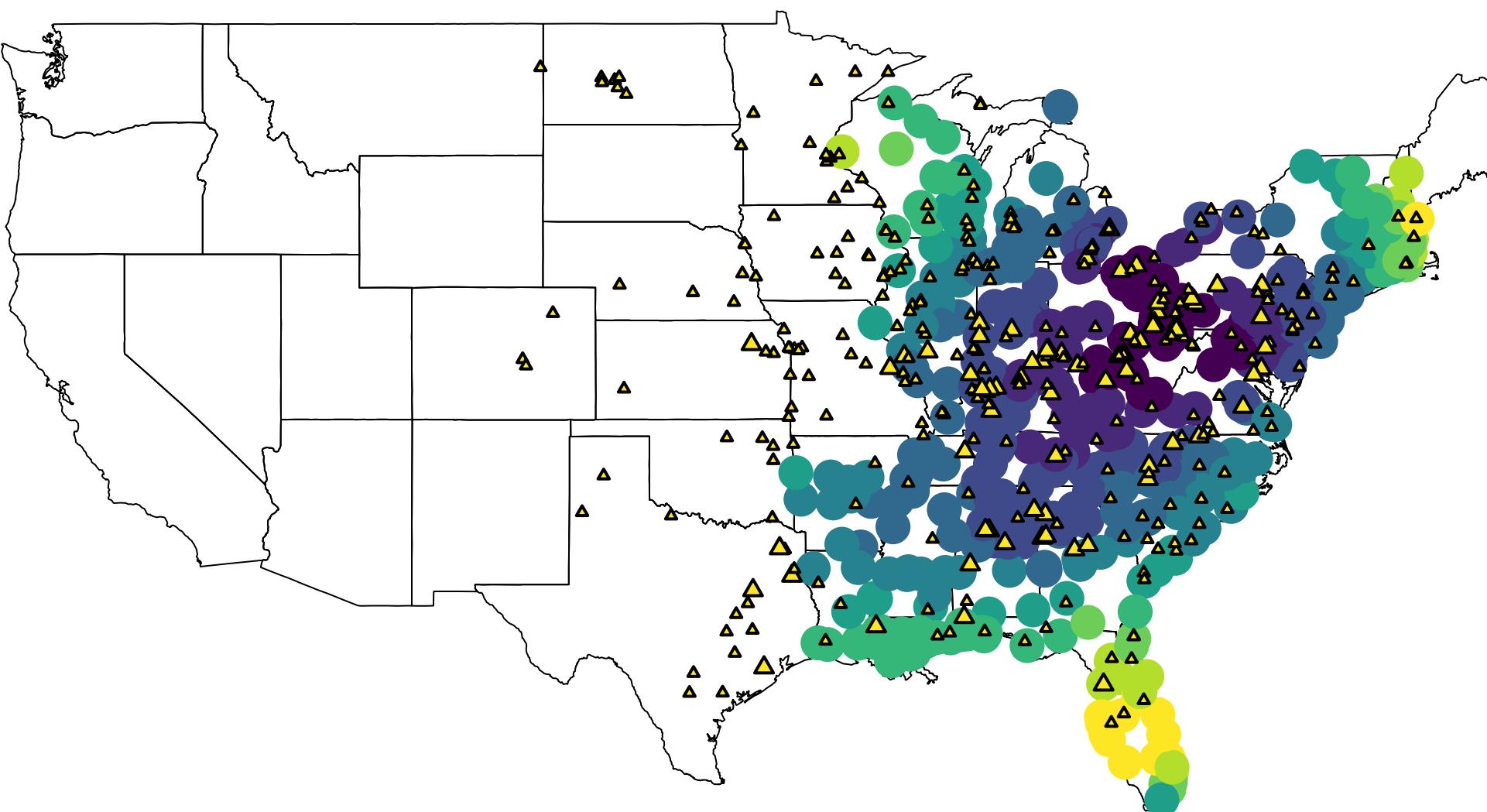


with edges

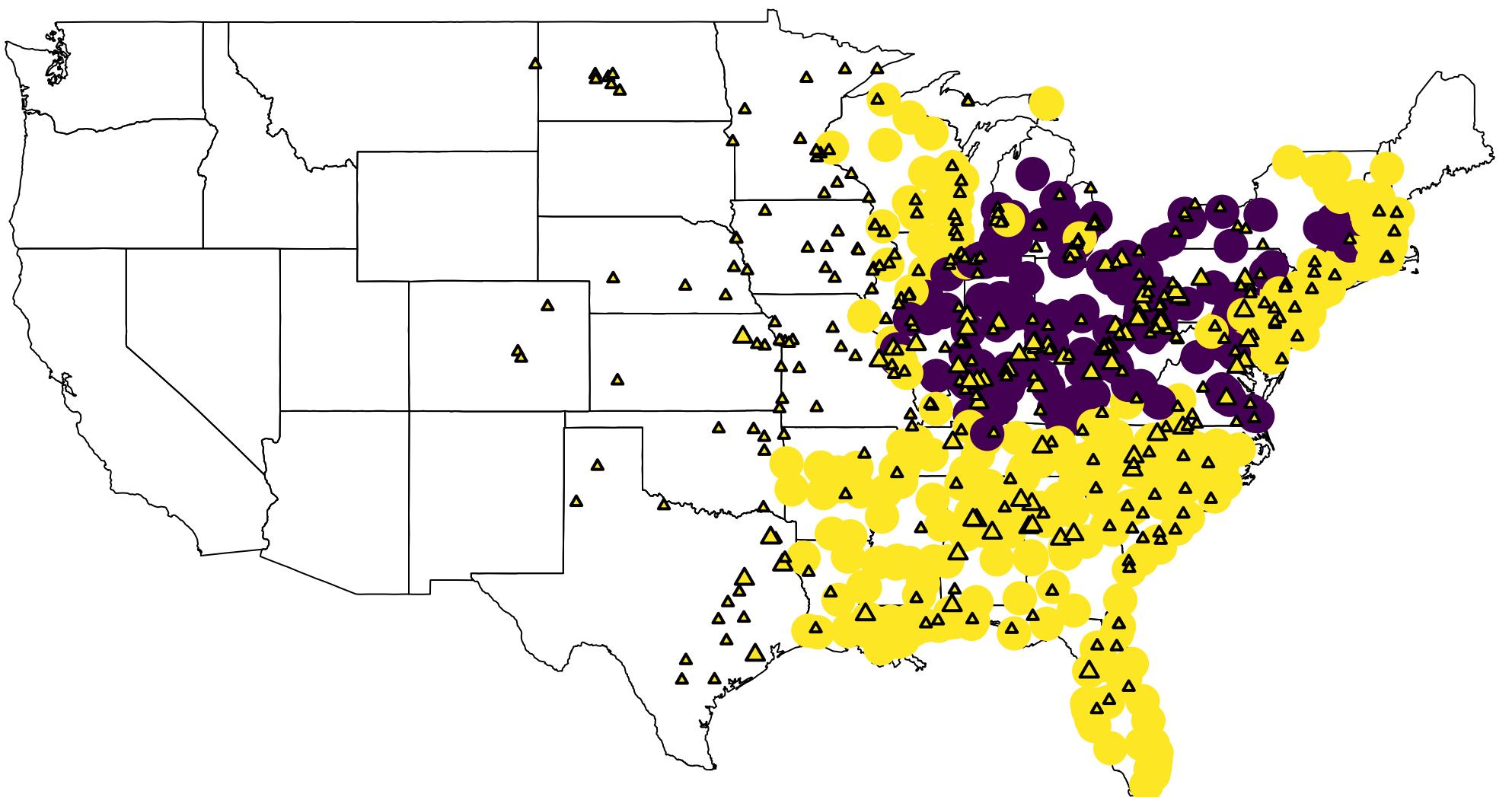
**Monitor exposure: sum of gams.coeff, summer 2005**



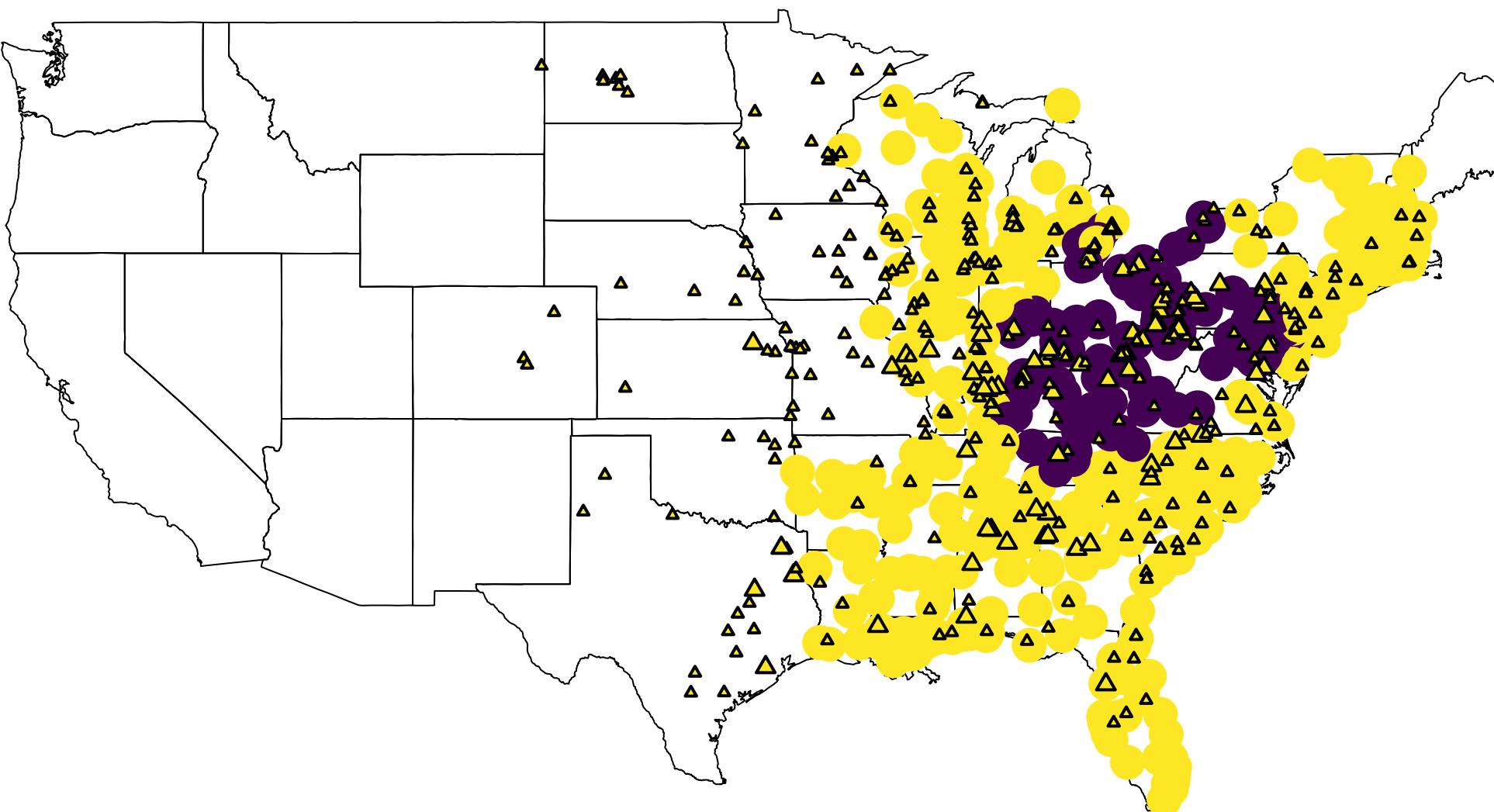
**Monitor exposure: avgPM, decomposed75 summer 2005**



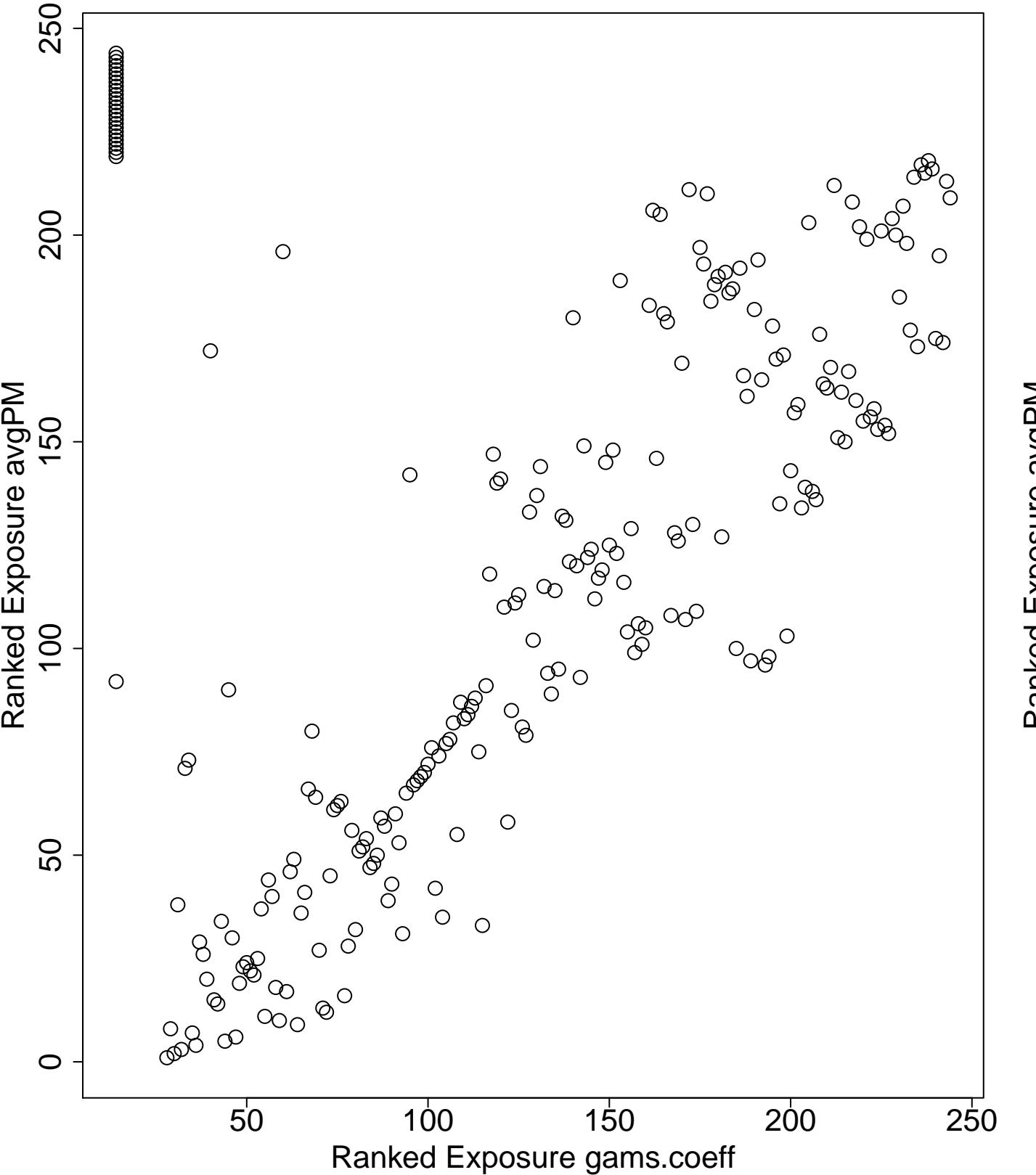
**Highest exposed: sum of gams.coeff, summer 2005**



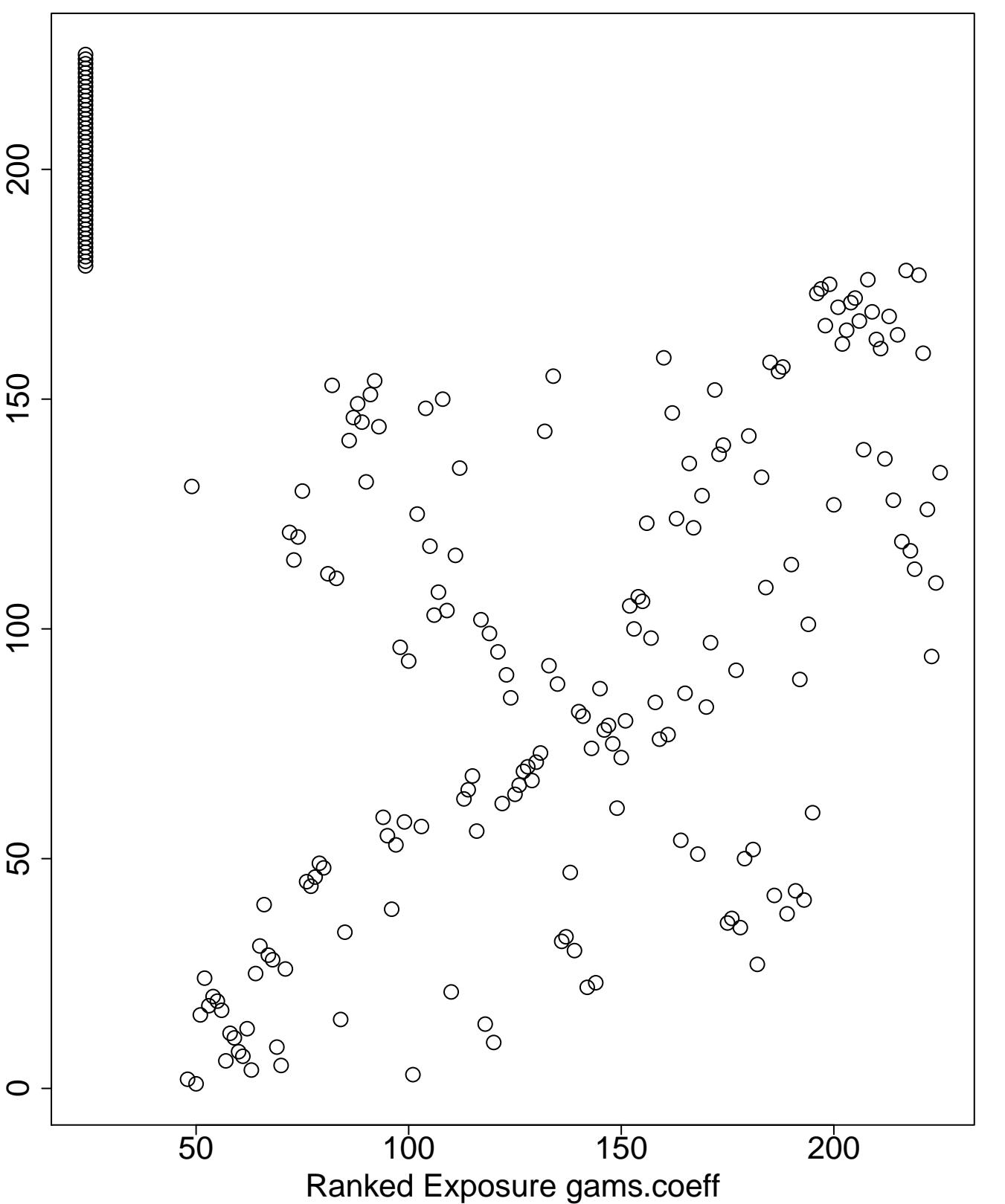
**Highest exposed: avgPM, decomposed75 summer 2005**



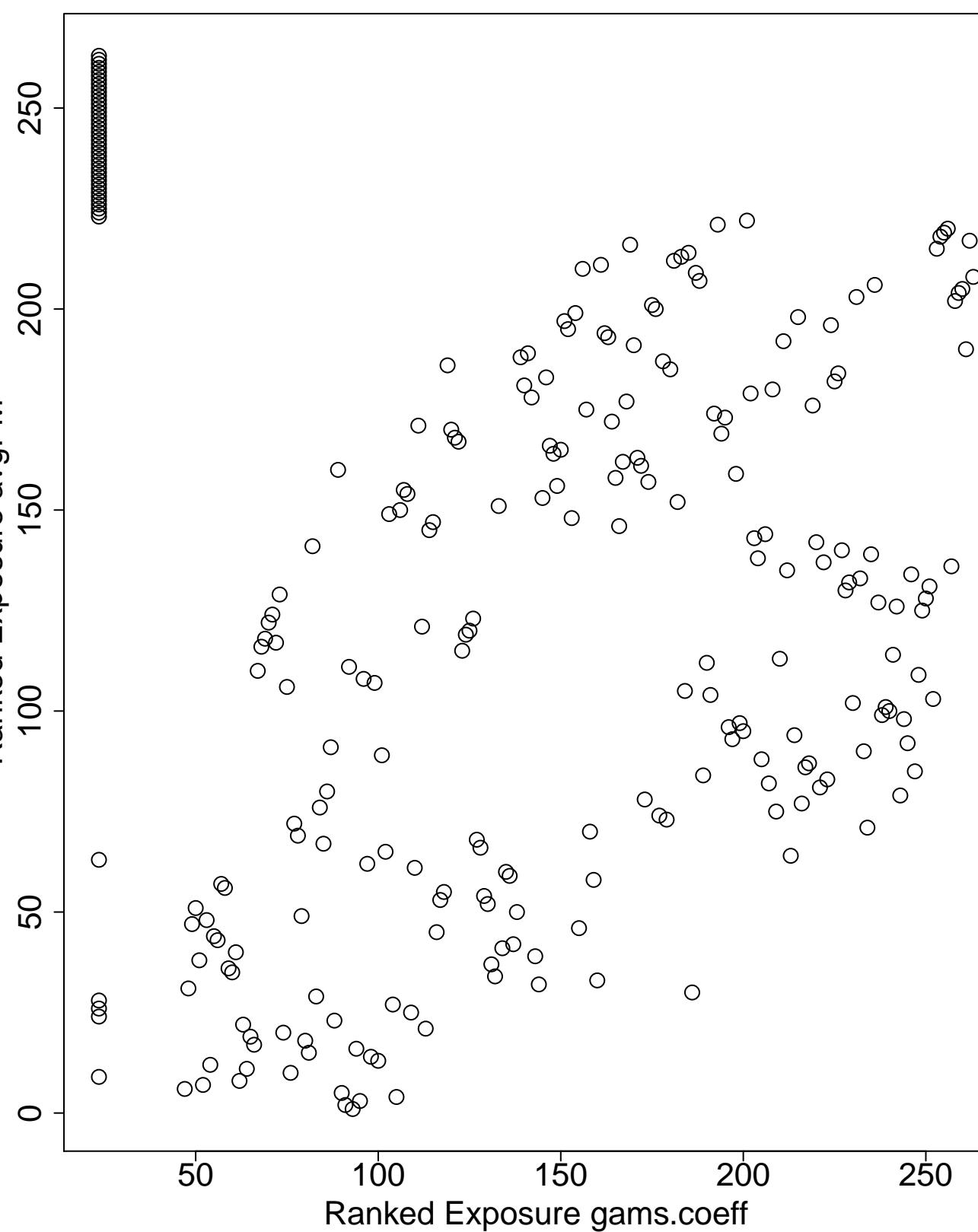
**IndustrialMidwest correlation = 0.87**



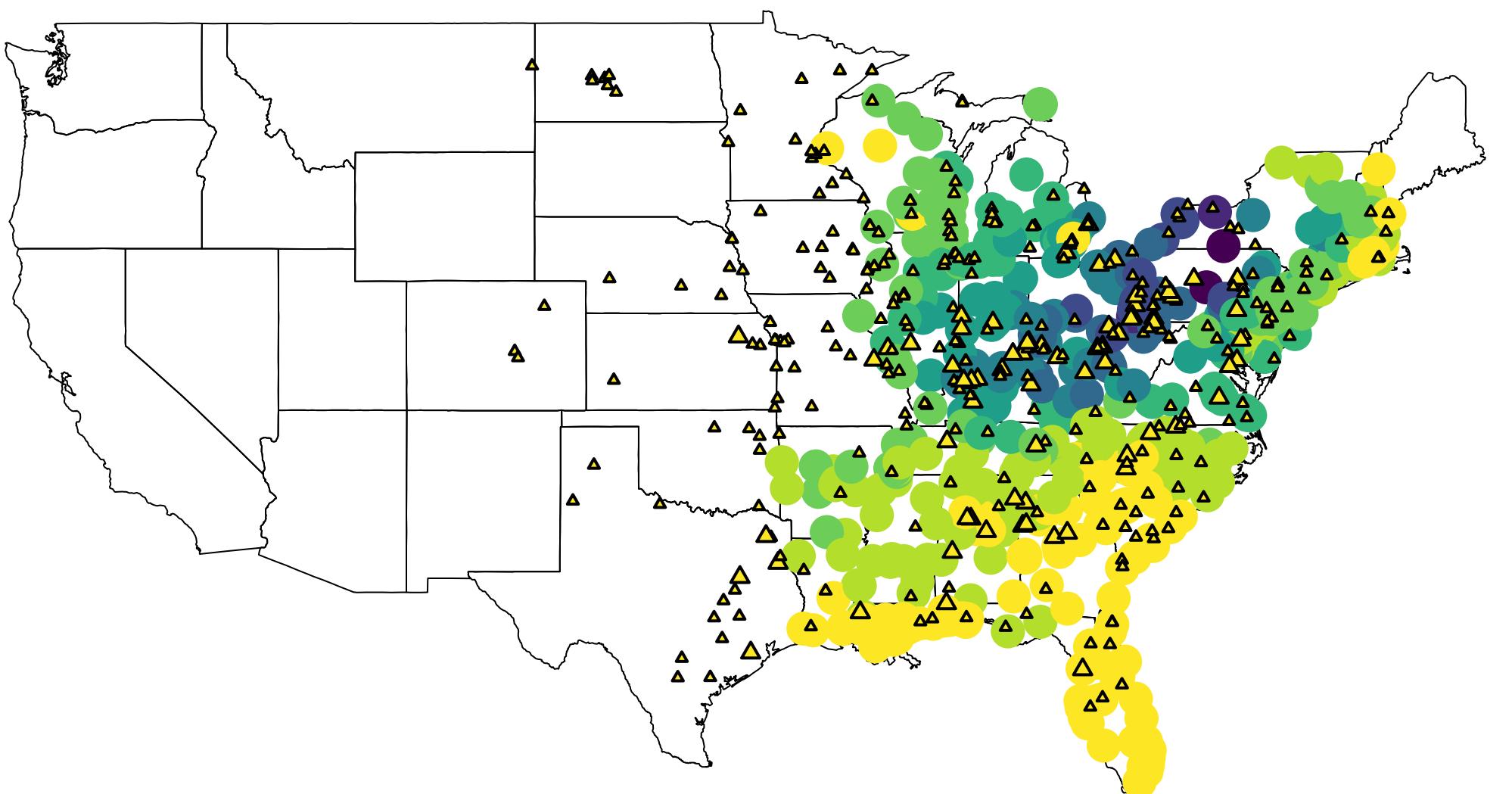
**Northeast correlation = 0.55**



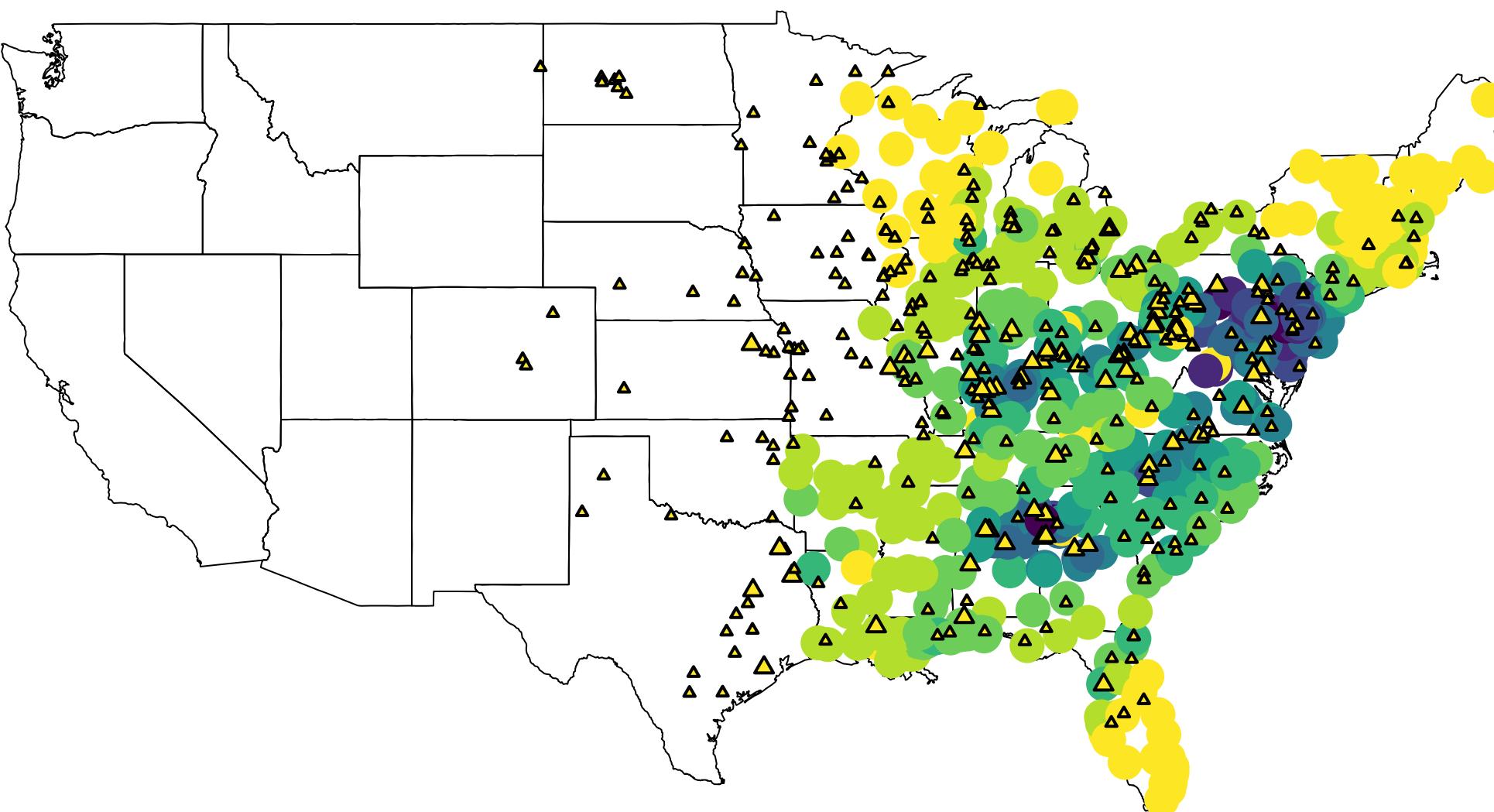
**Southeast correlation = 0.53**



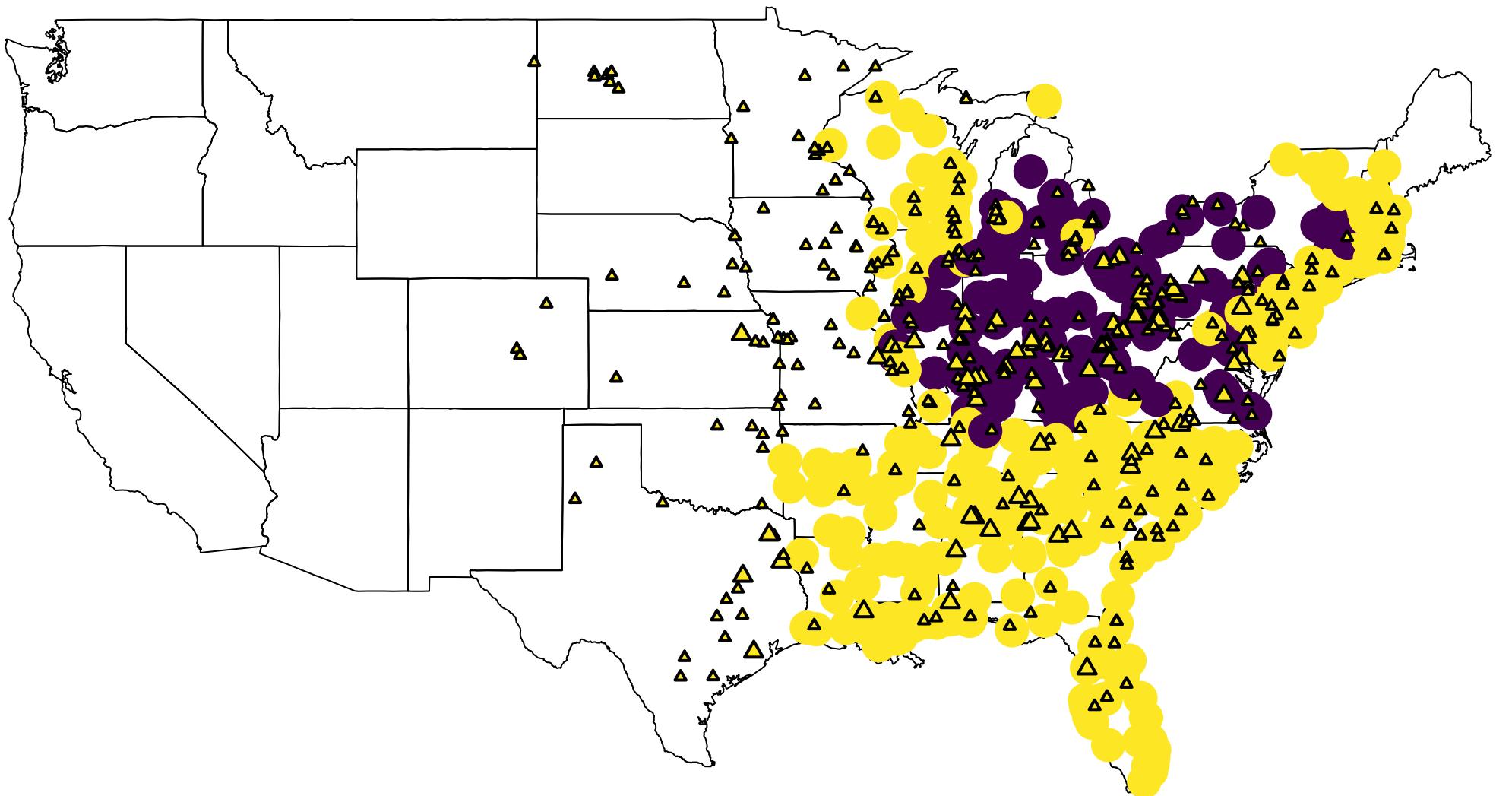
**Monitor exposure: sum of gams.coeff, summer 2005**



**Monitor exposure: annual coal emissions (InMAP)**



**Highest exposed: sum of gams.coeff, summer 2005**



**Highest exposed: annual coal emissions (InMAP)**

