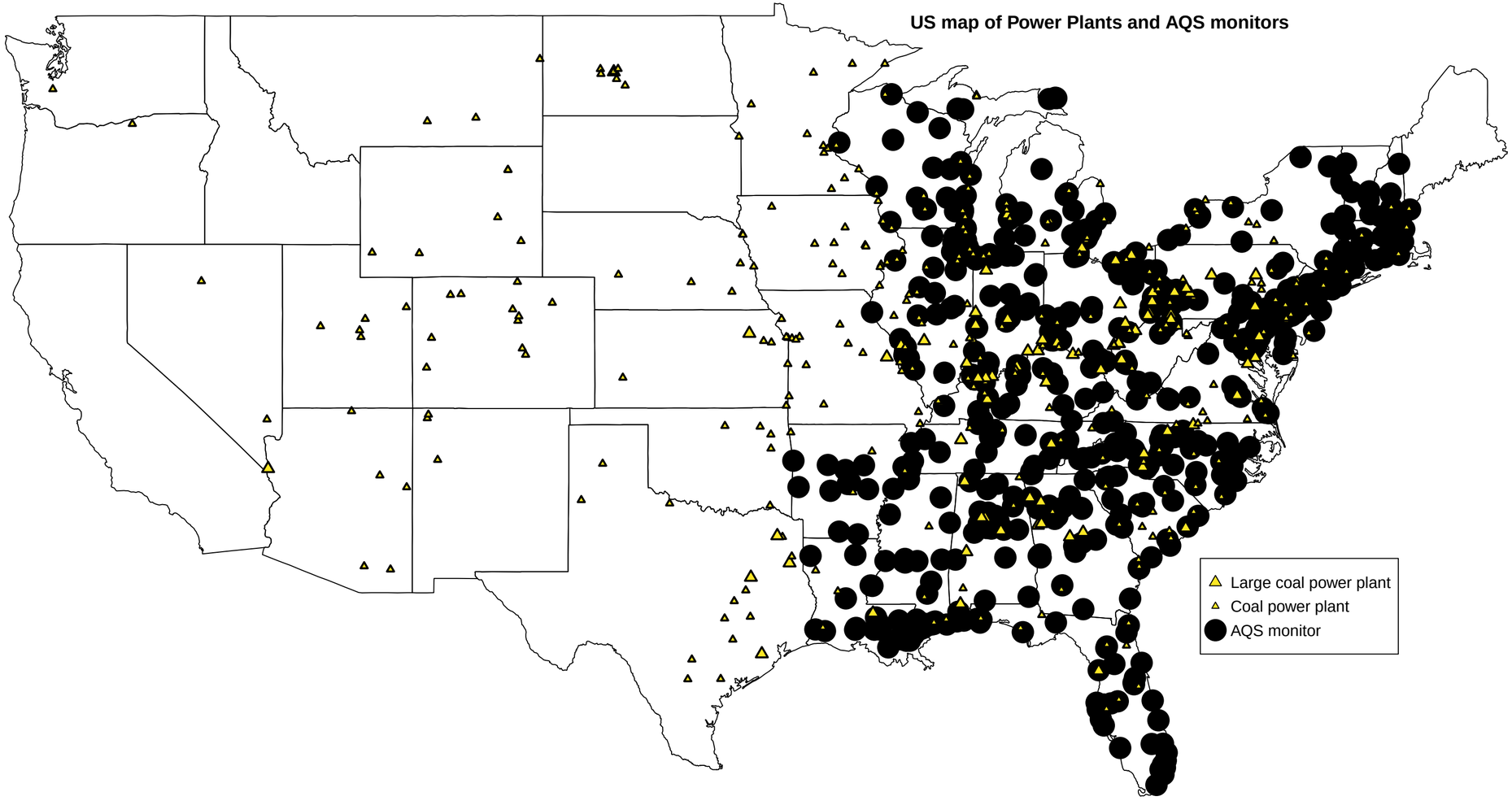
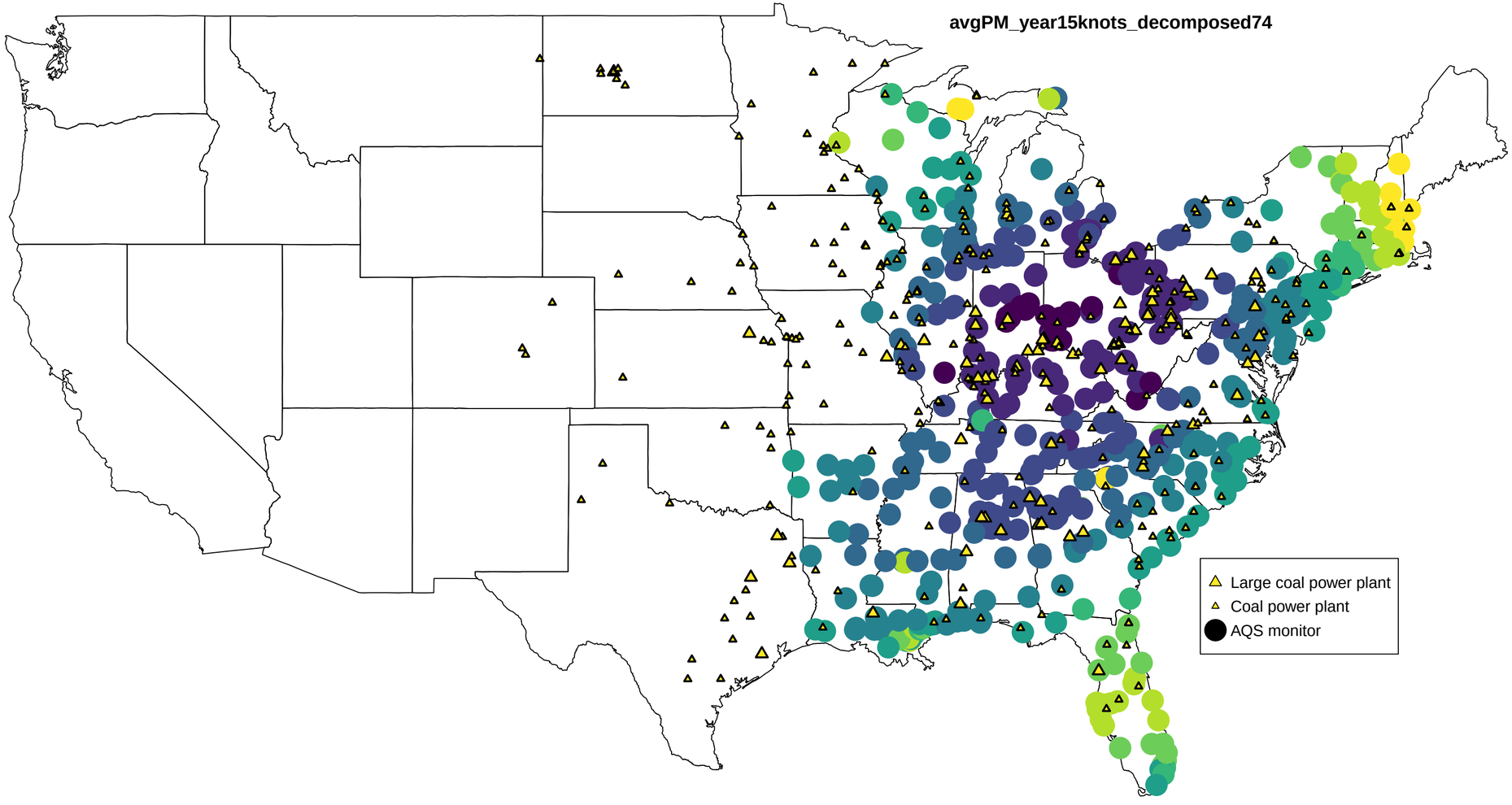
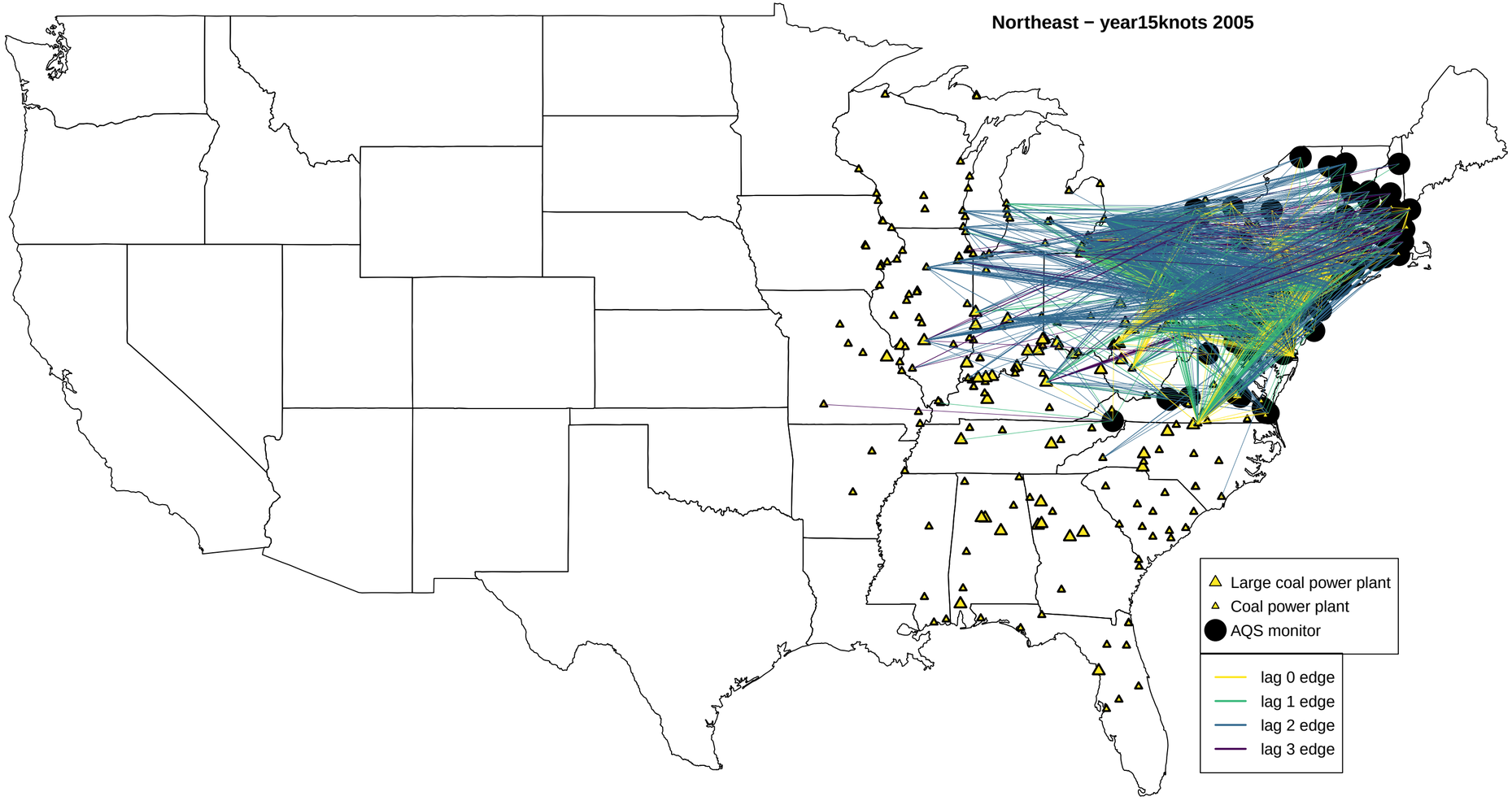
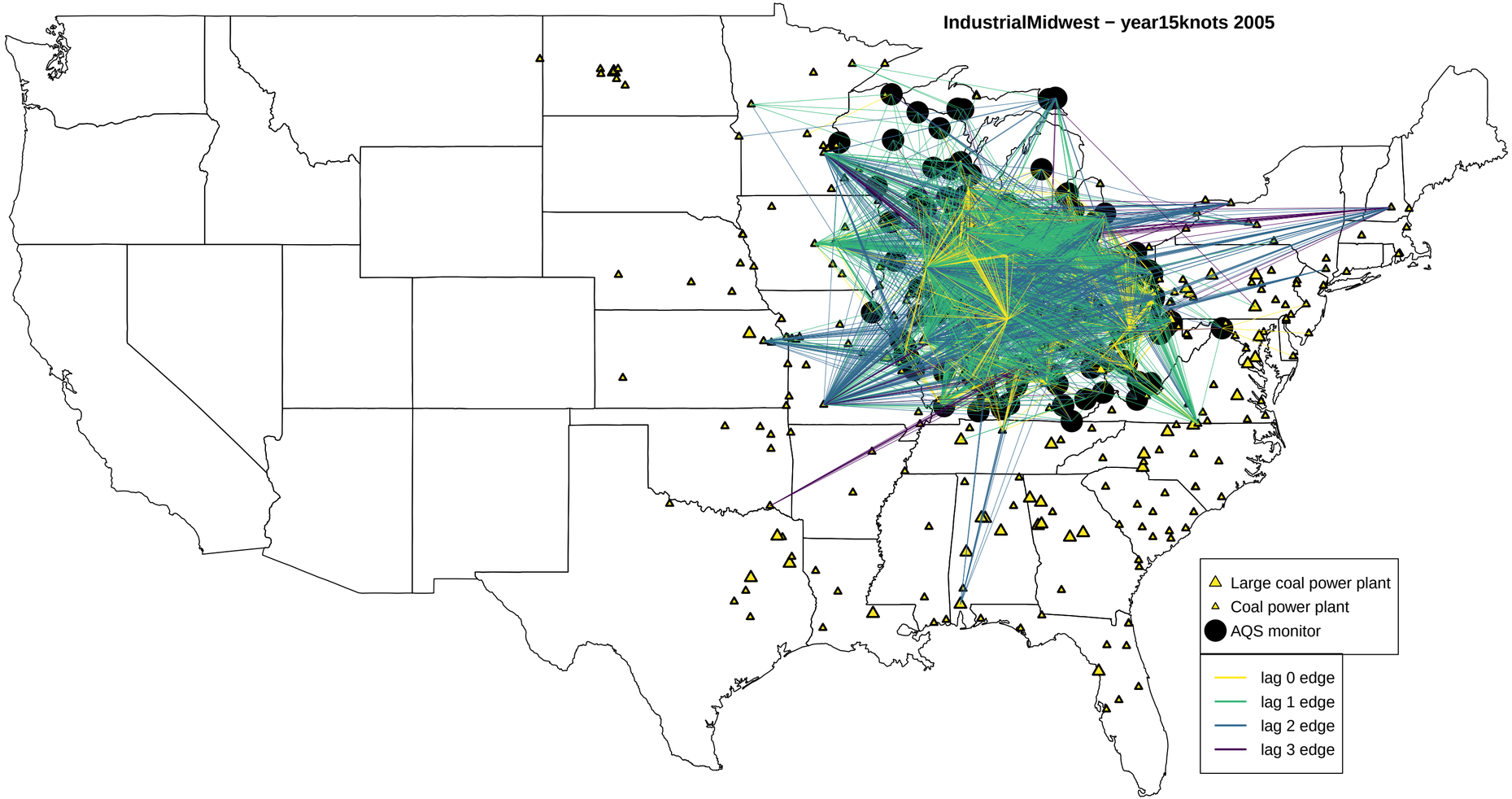
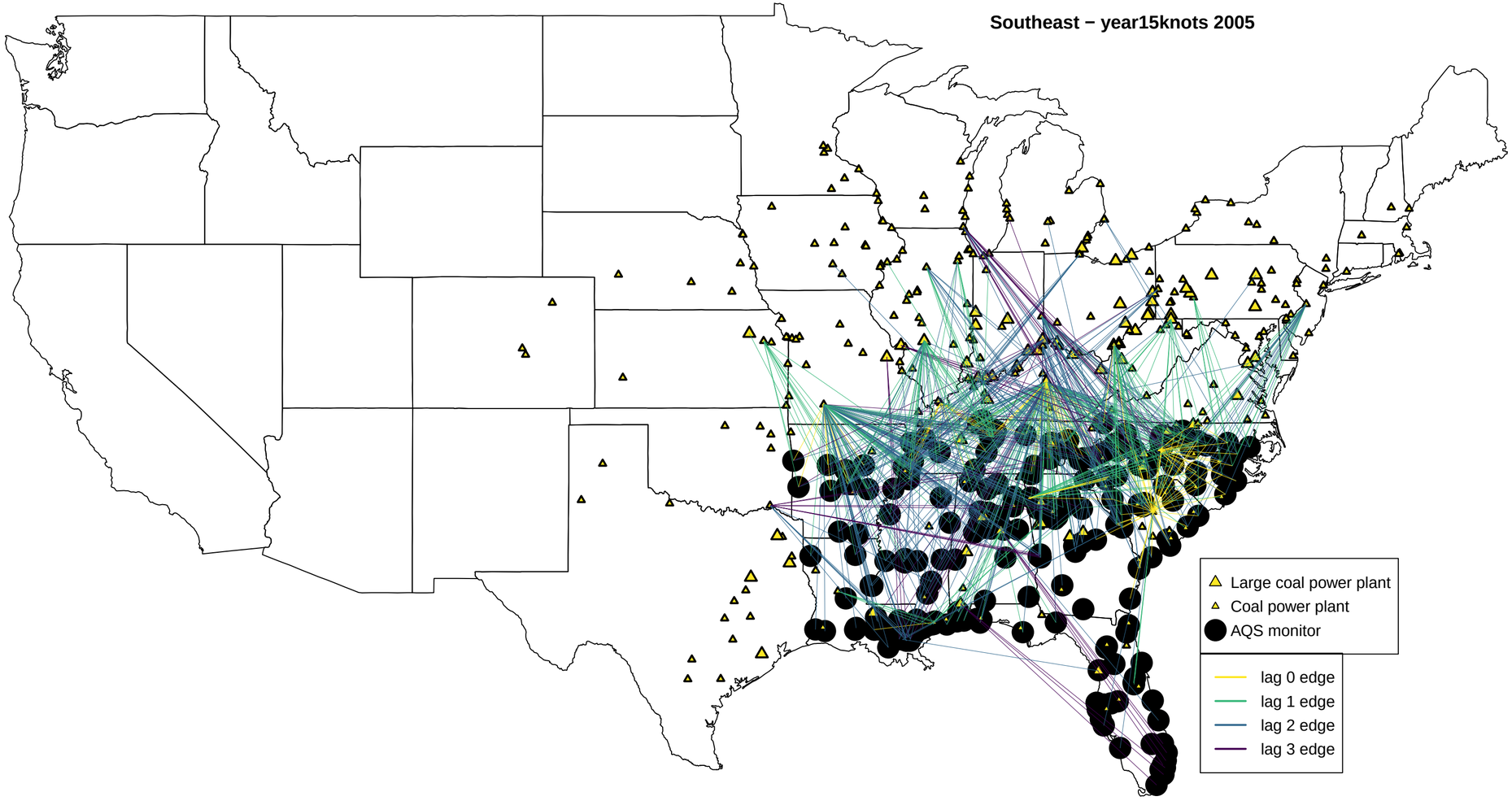
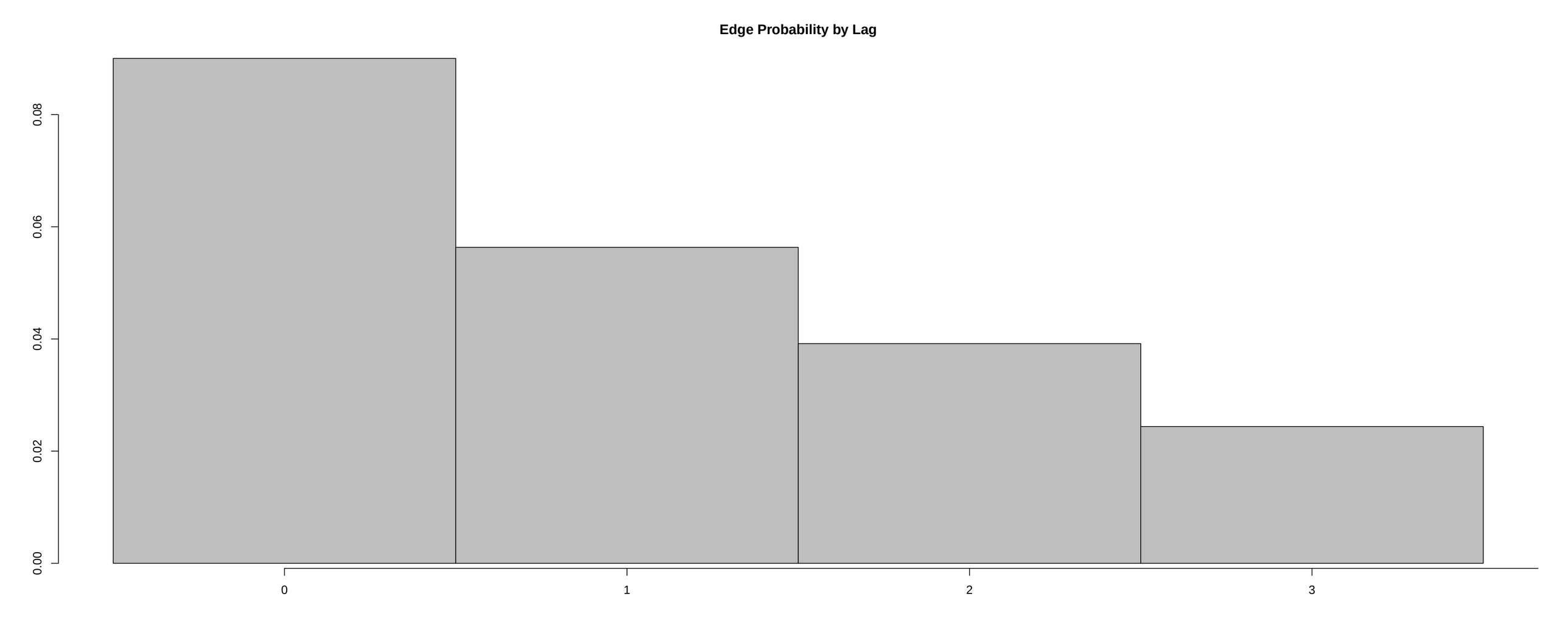

US map of Power Plants and AQS monitors
Large coal power plant
Coal power plant
AQS monitor

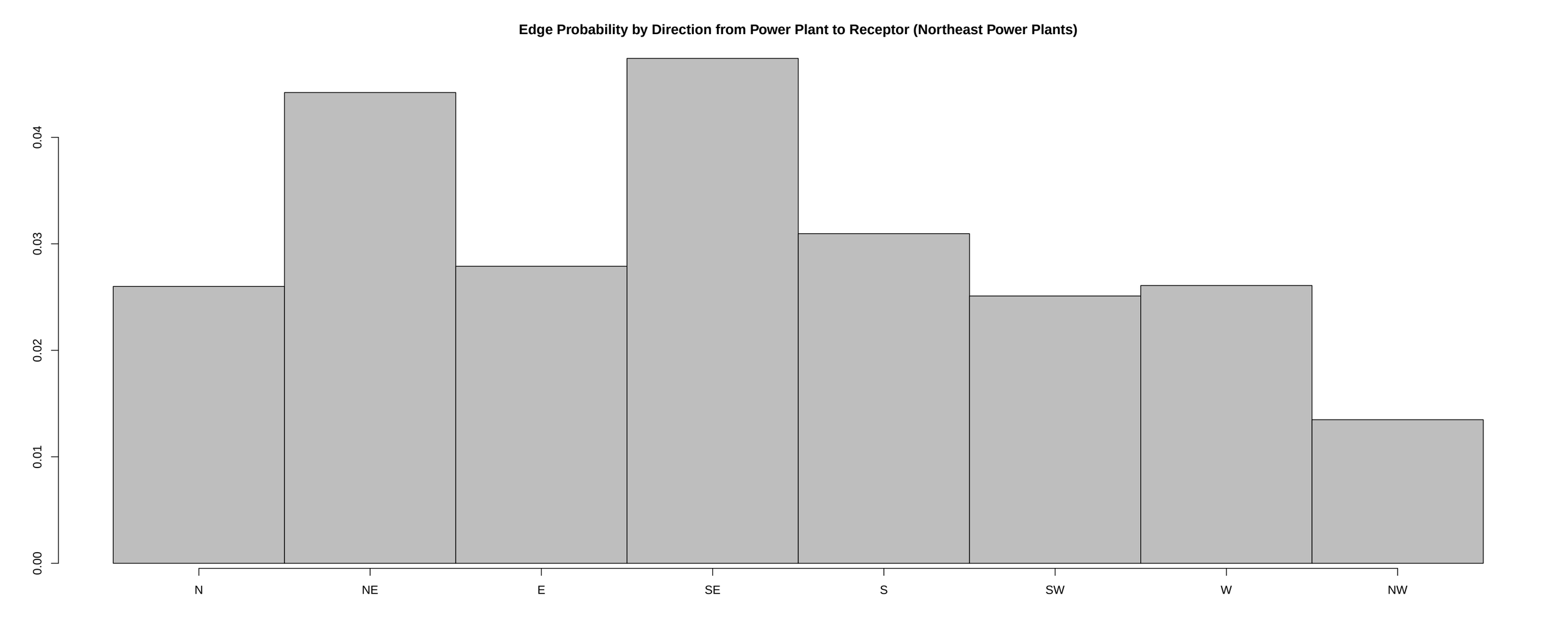

avgPM_year15knots_decomposed74
Large coal power plant
Coal power plant
AQS monitor

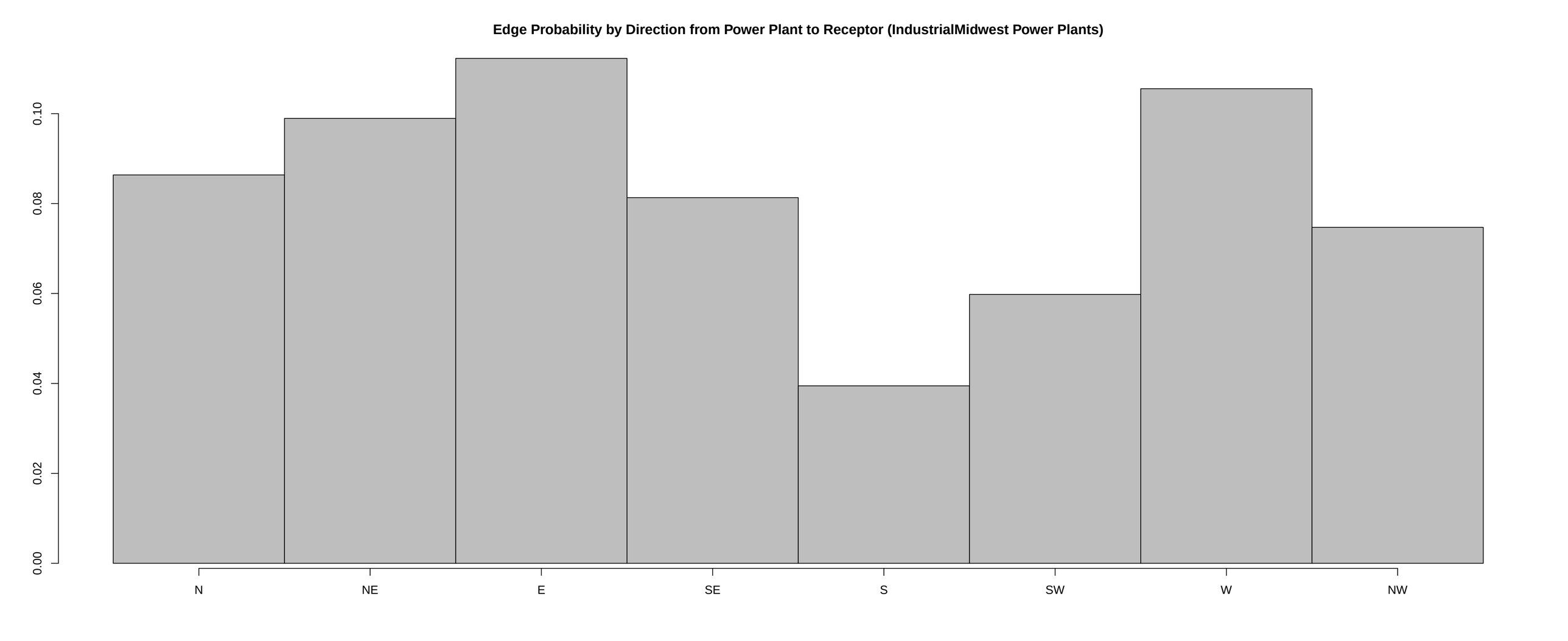

Northeast − year15knots 2005
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge

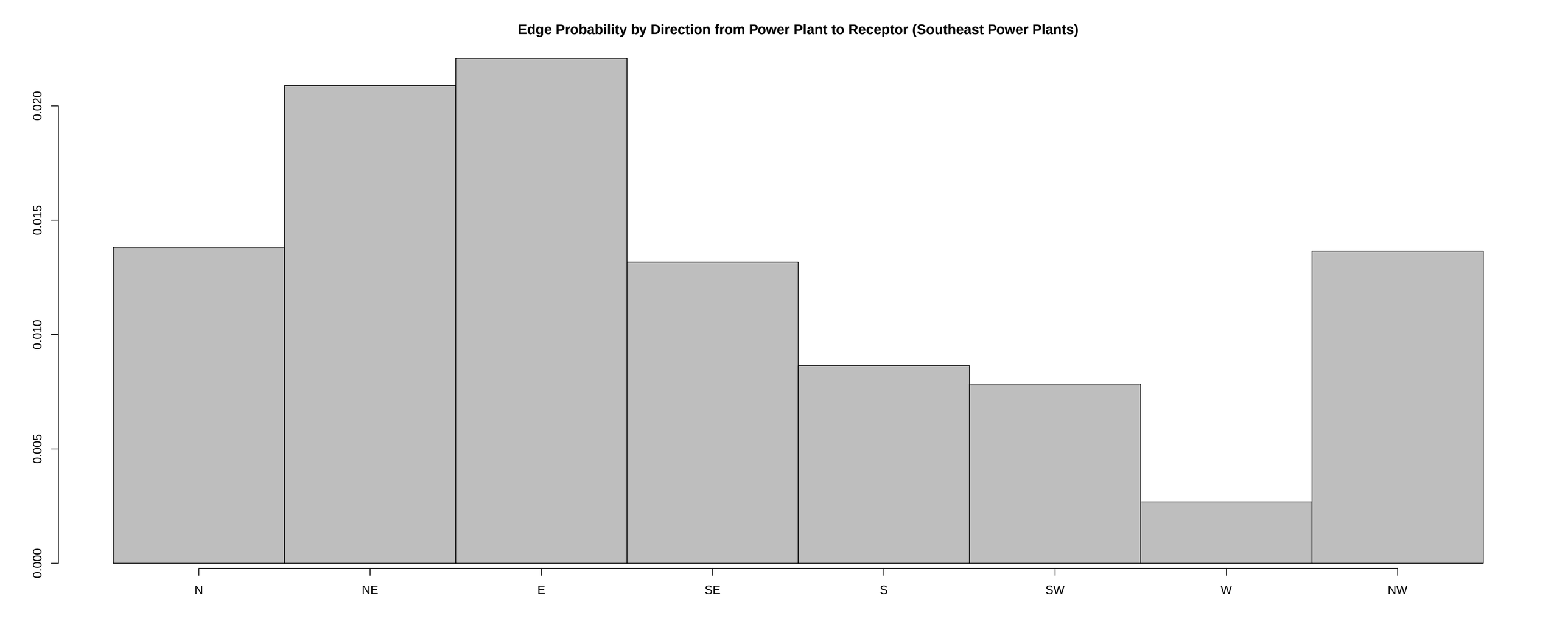

IndustrialMidwest − year15knots 2005
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge

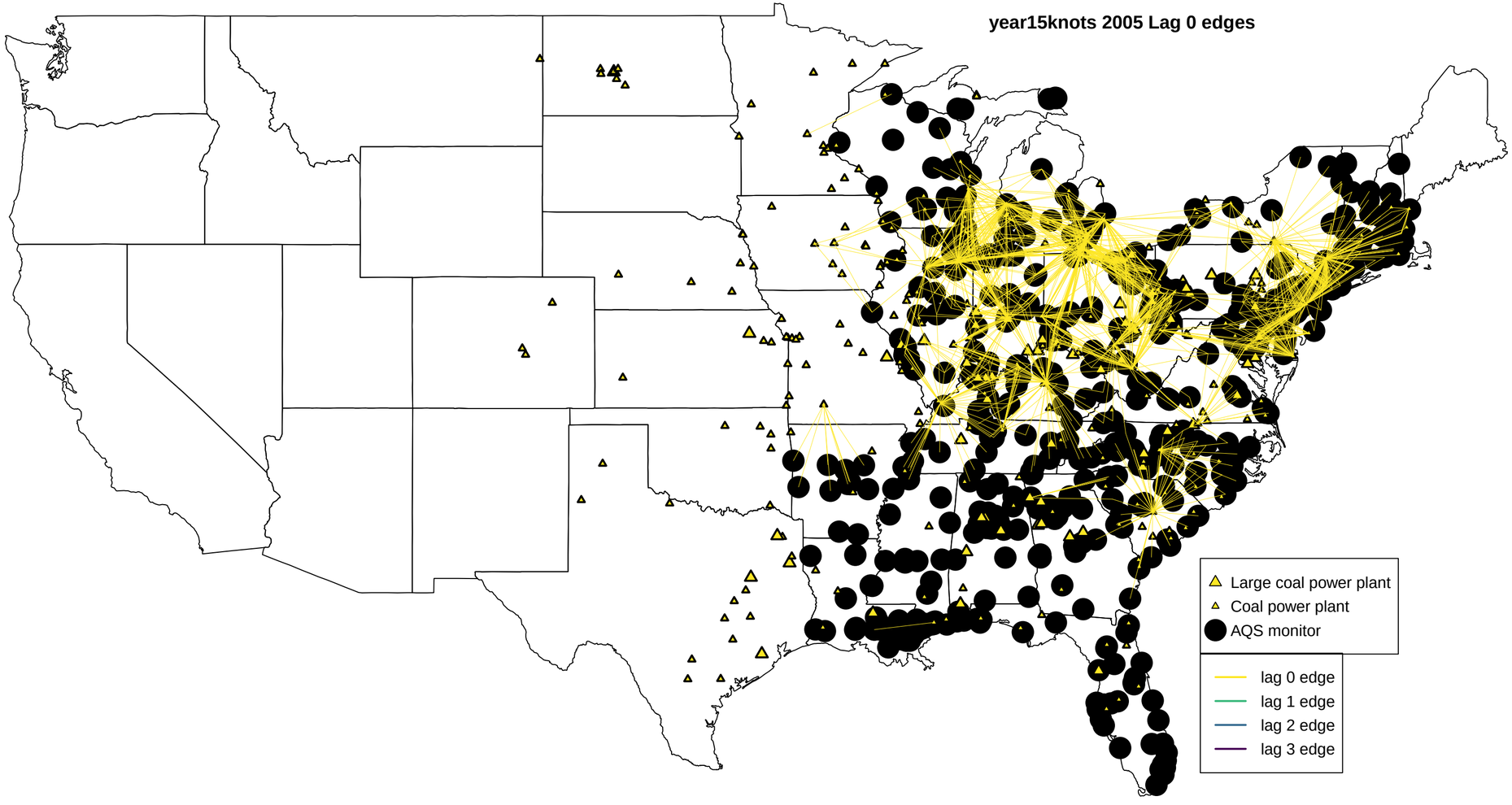

Southeast − year15knots 2005
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge

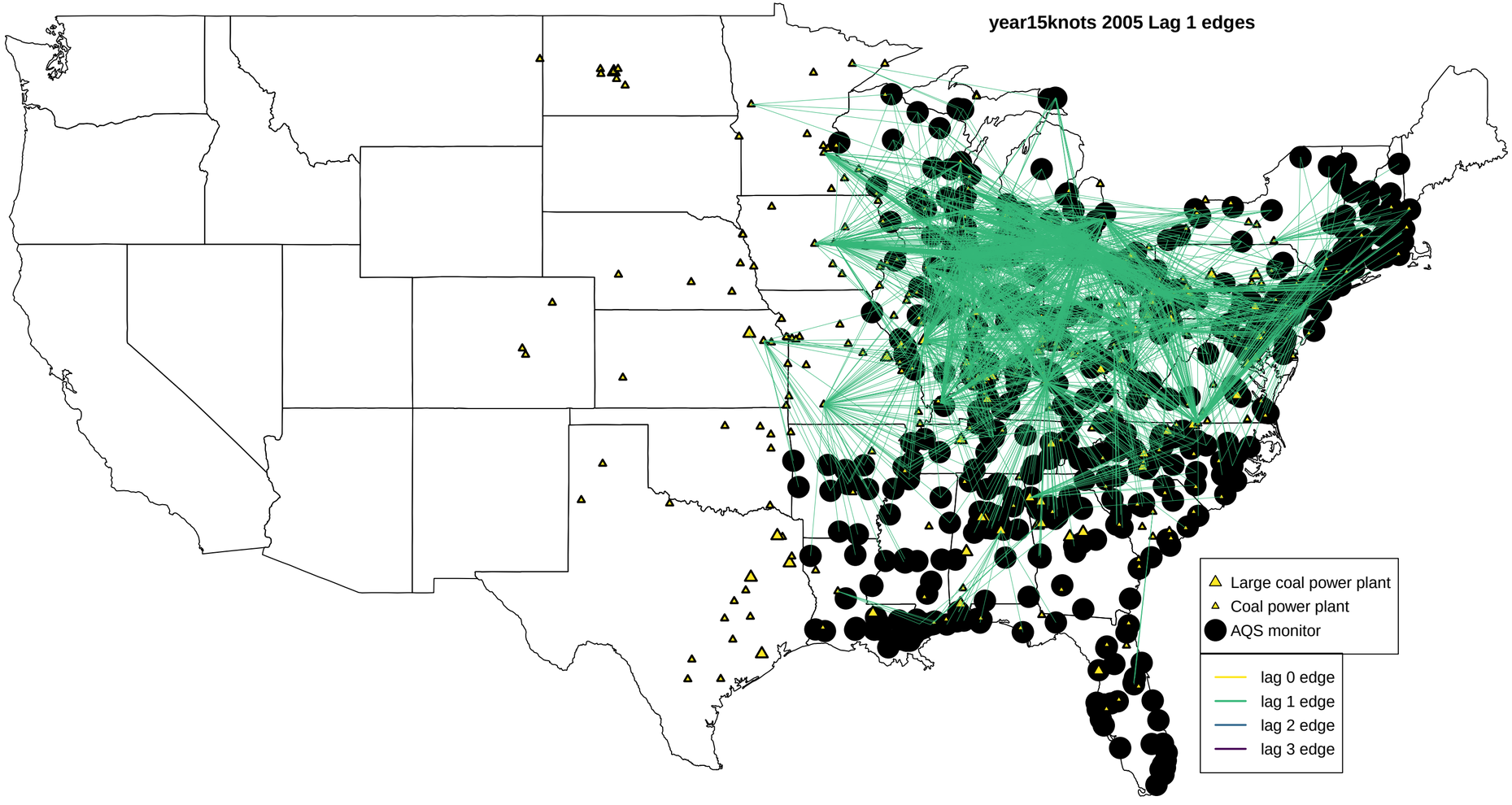

Edge Probability by Lag
0.00
0.02
0.04
0.06
0.08
0
1
2
3

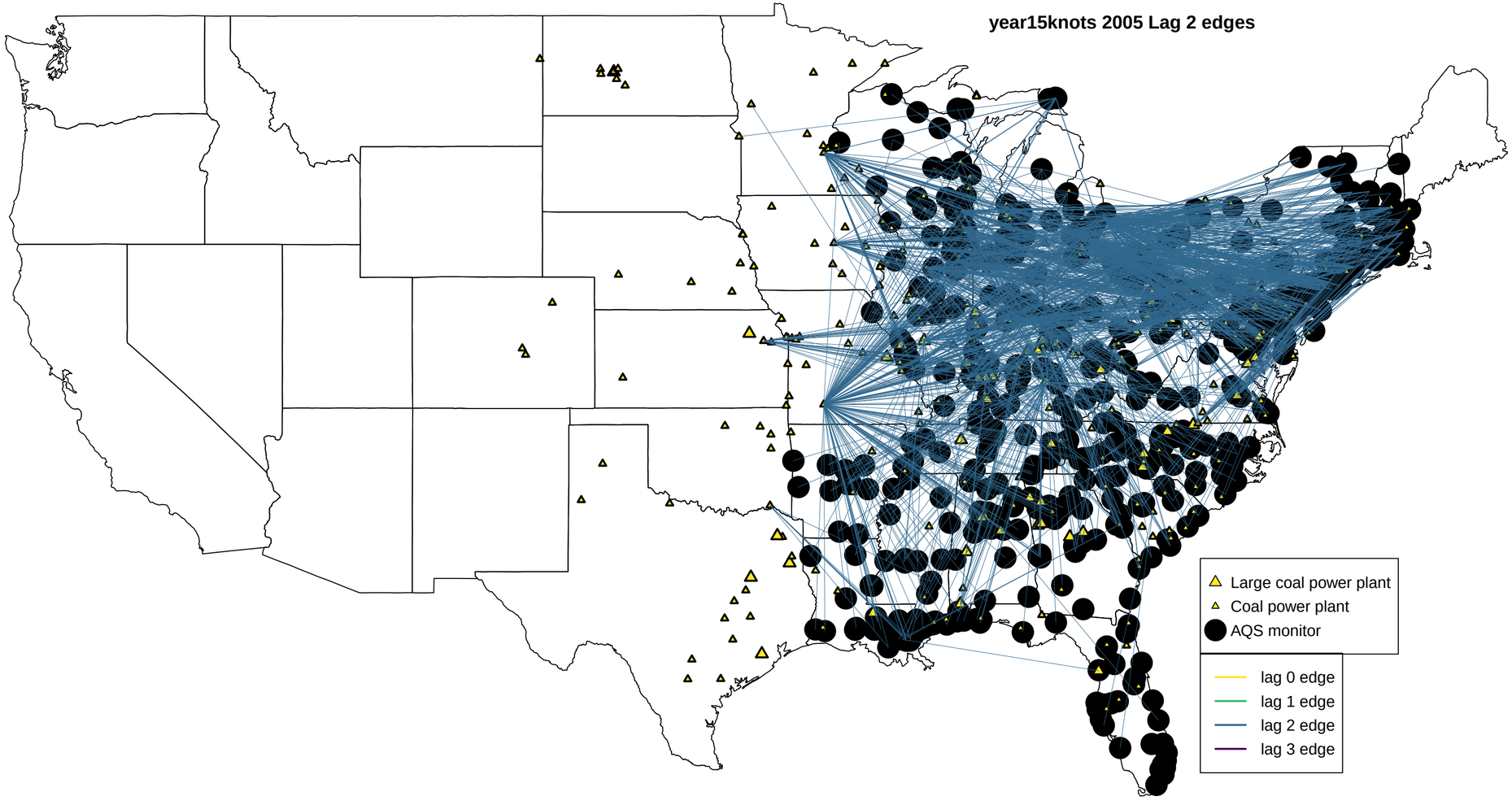

Edge Probability by Direction from Power Plant to Receptor (Northeast Power Plants)
0.00
0.01
0.02
0.03
0.04
N
NE
E
SE
S
SW
W
NW

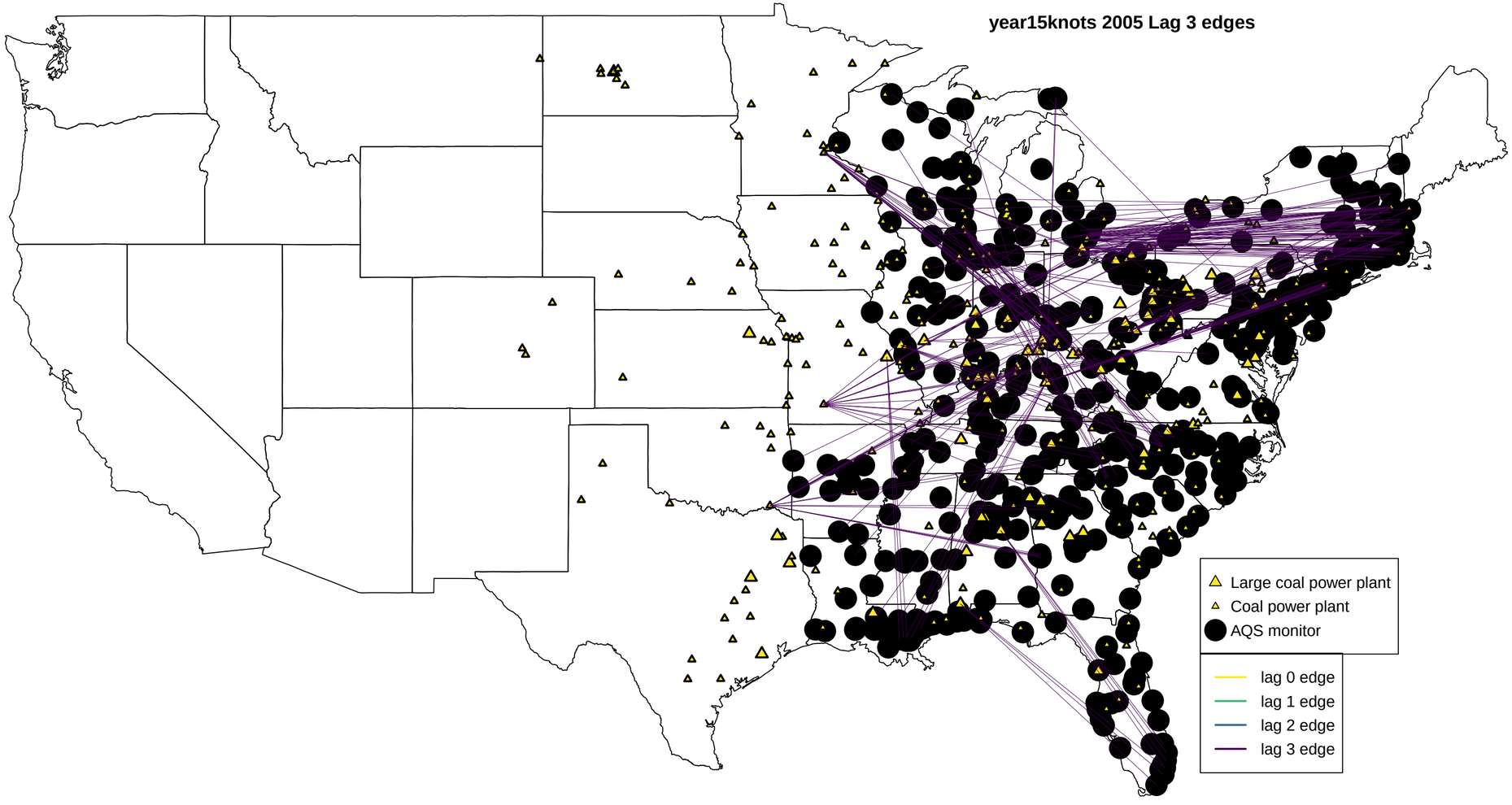

Edge Probability by Direction from Power Plant to Receptor (IndustrialMidwest Power Plants)
0.00
0.02
0.04
0.06
0.08
0.10
N
NE
E
SE
S
SW
W
NW


Edge Probability by Direction from Power Plant to Receptor (Southeast Power Plants)
0.000
0.005
0.010
0.015
0.020
N
NE
E
SE
S
SW
W
NW

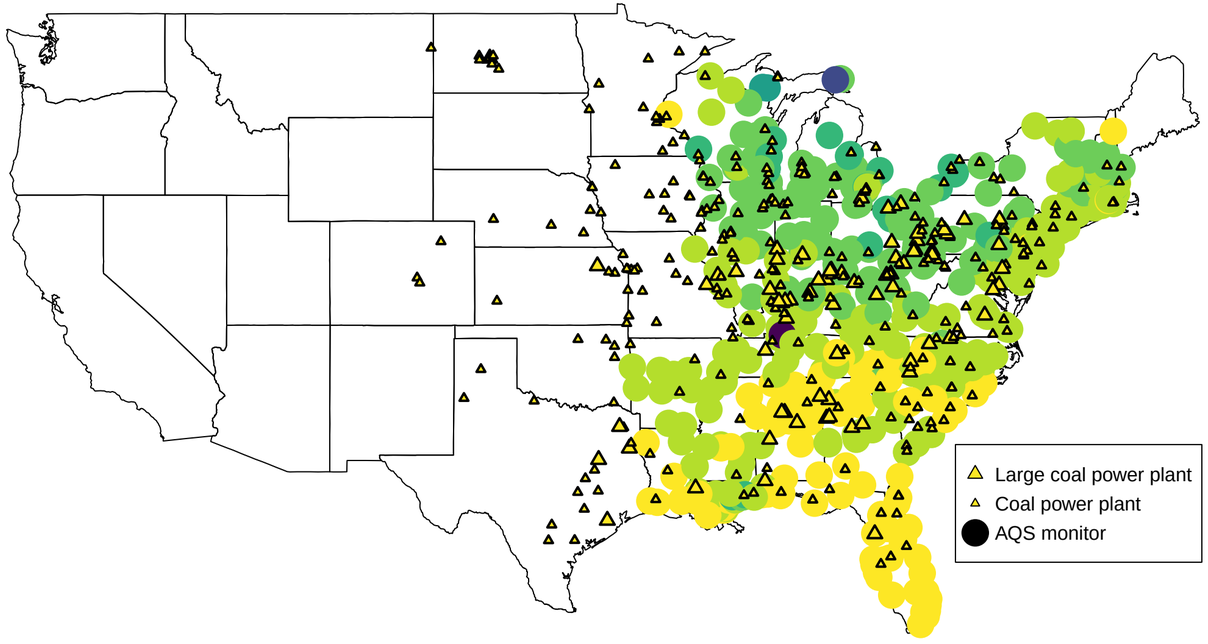

year15knots 2005 Lag 0 edges
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge


year15knots 2005 Lag 1 edges
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge

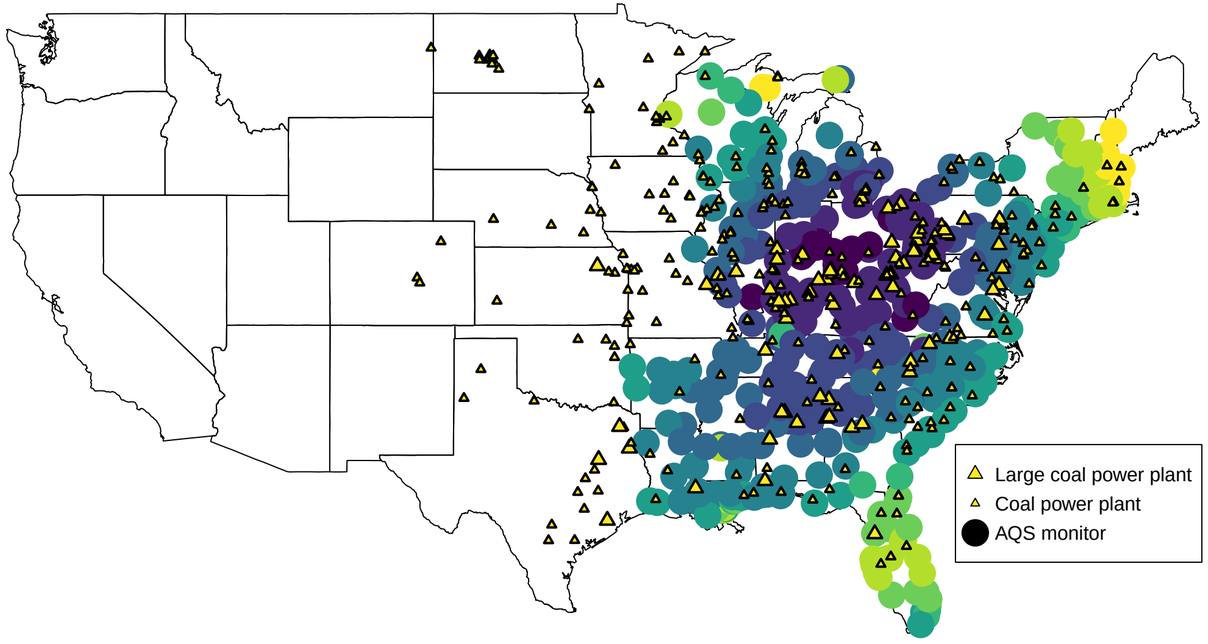

year15knots 2005 Lag 2 edges
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge


year15knots 2005 Lag 3 edges
Large coal power plant
Coal power plant
AQS monitor
lag 0 edge
lag 1 edge
lag 2 edge
lag 3 edge

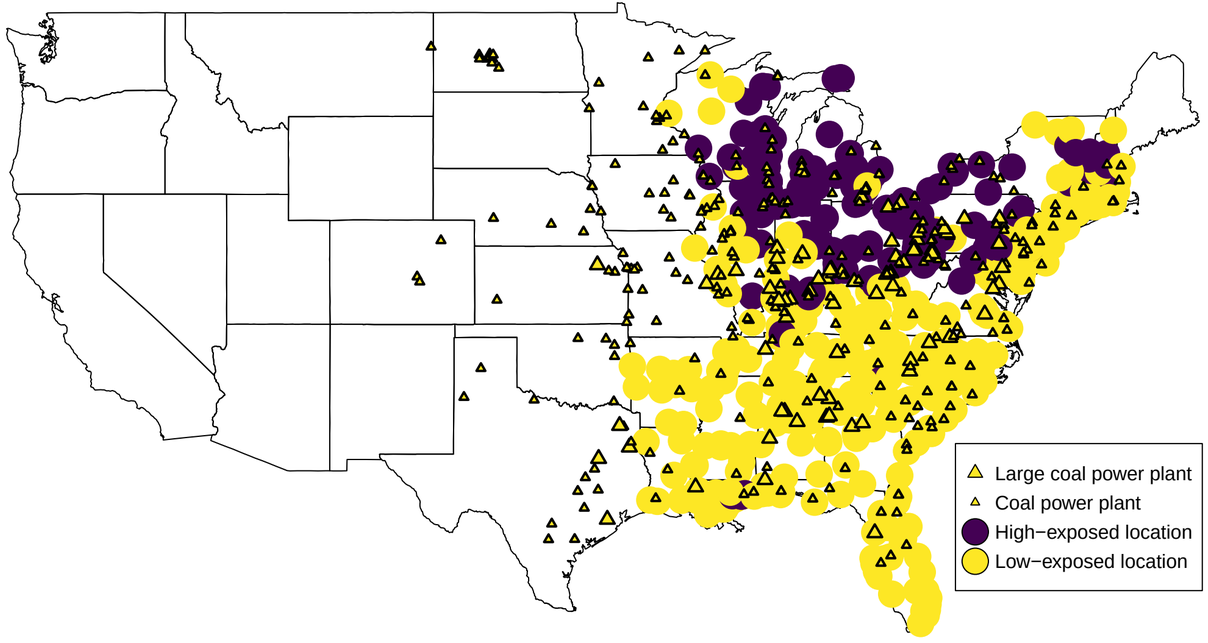
sum of gams.coeff year15knots 2005



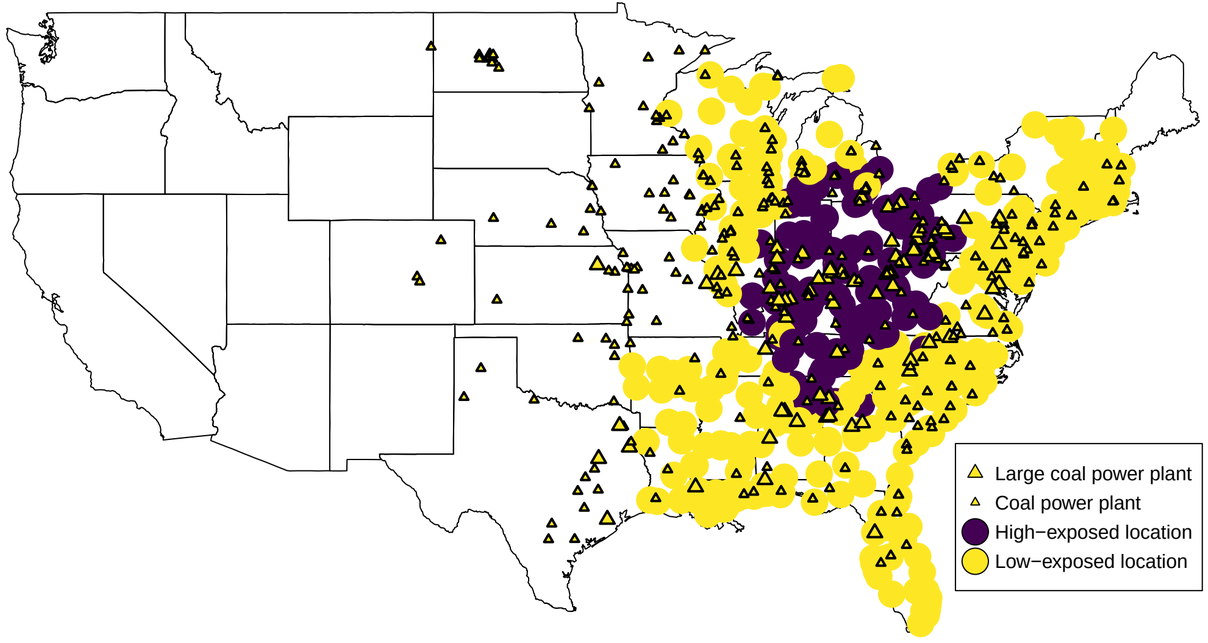
avgPM_decomposed74 year15knots 2005



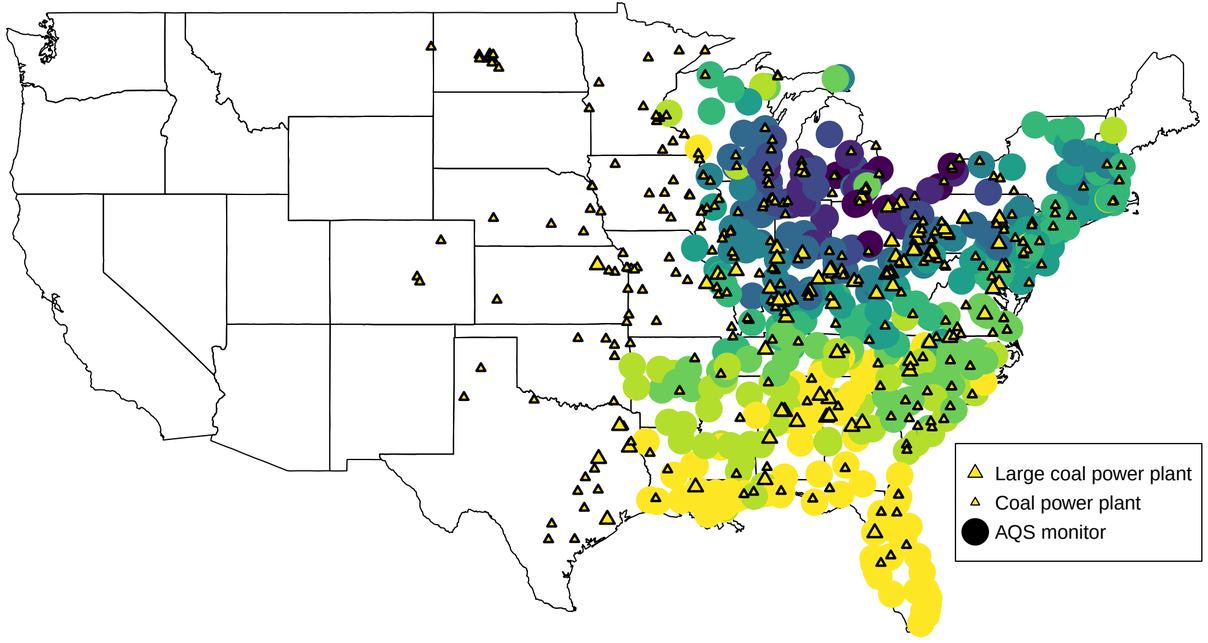
sum of gams.coeff year15knots 2005



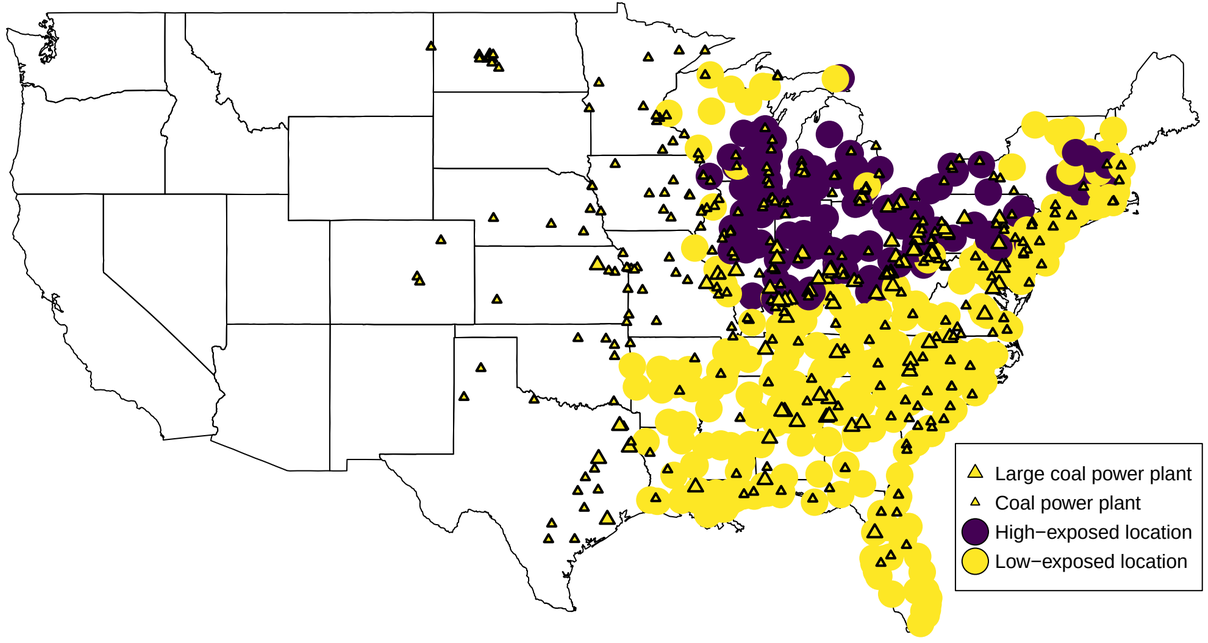
avgPM_decomposed74 year15knots 2005

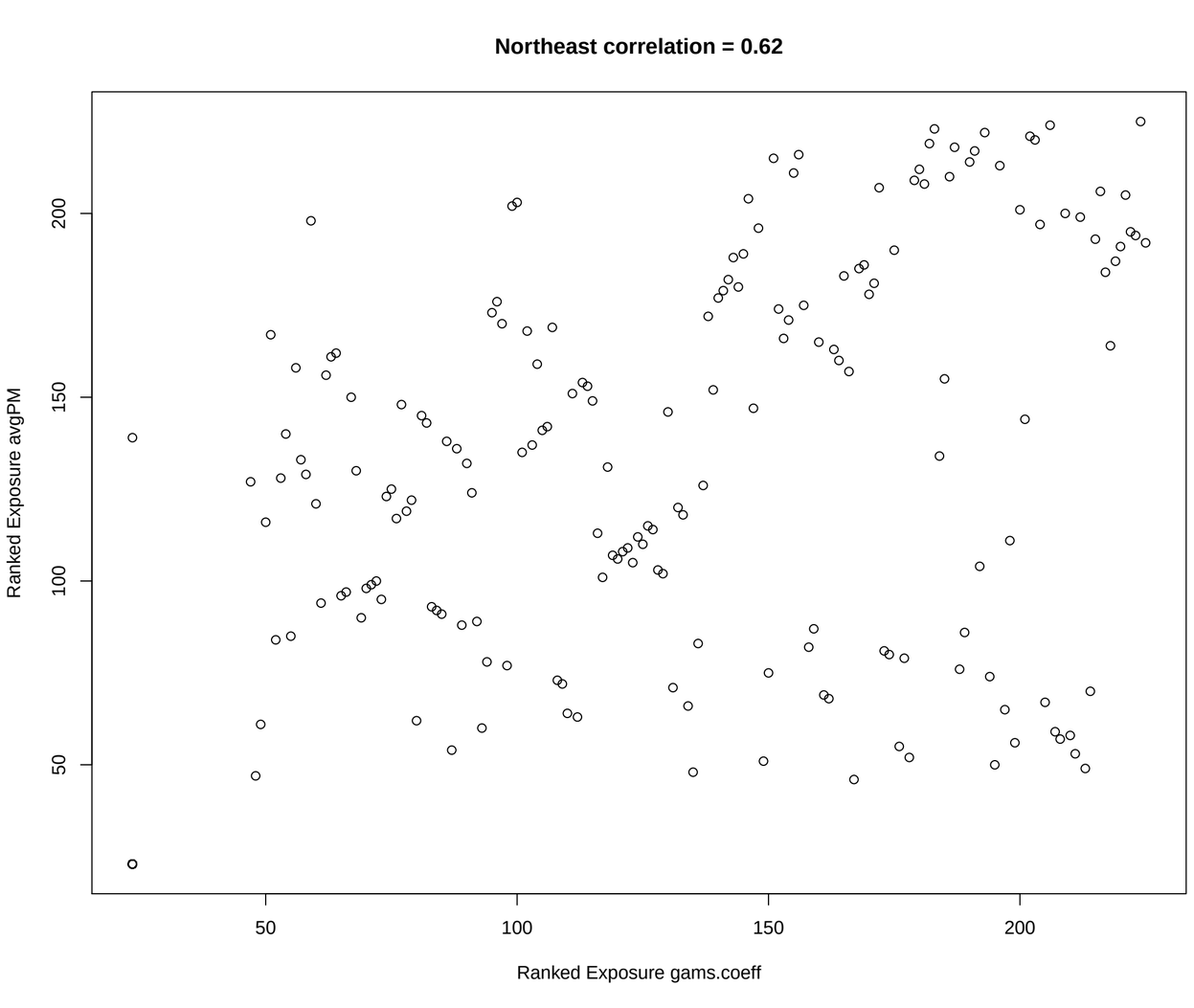


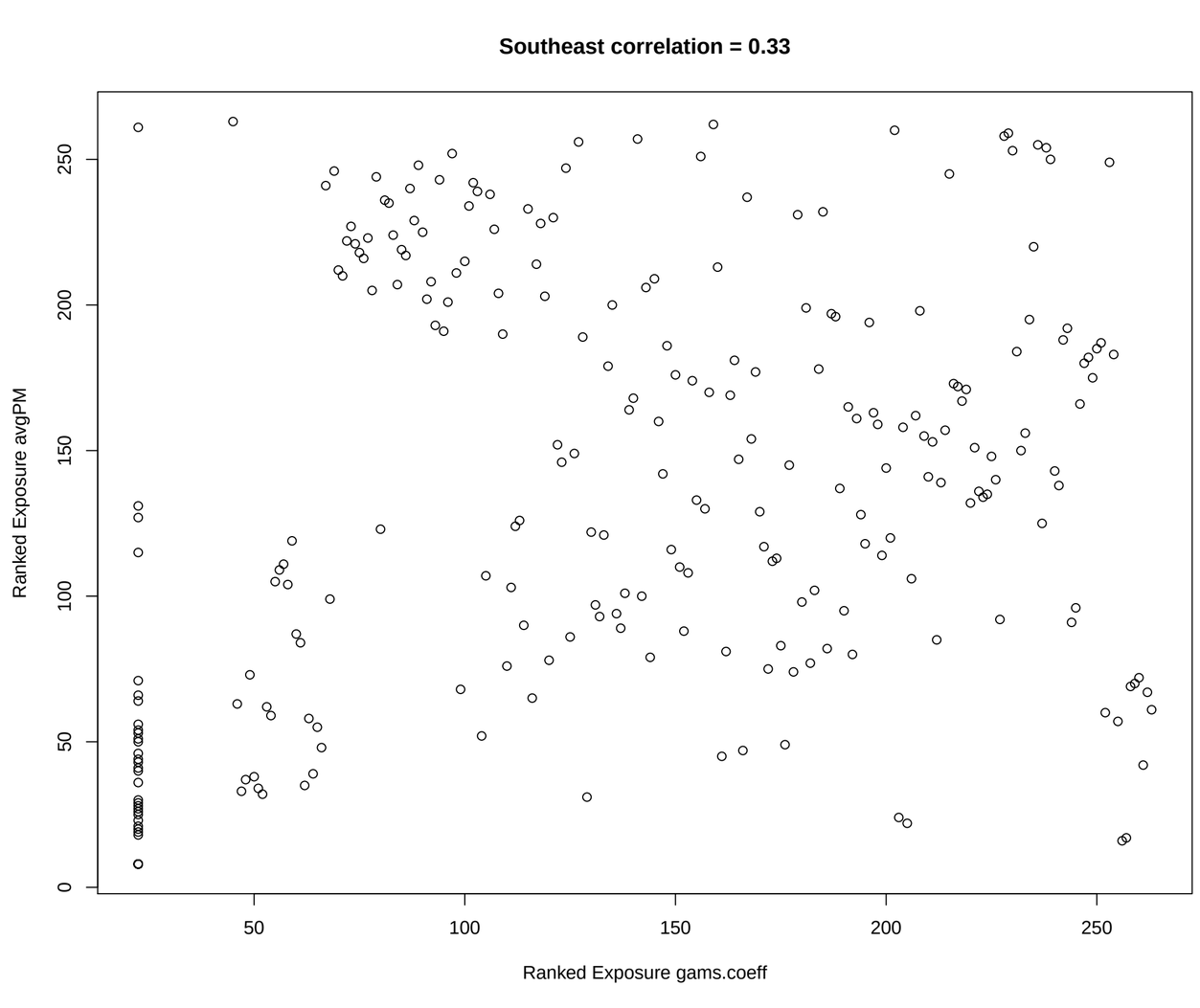
num_edges year15knots 2005

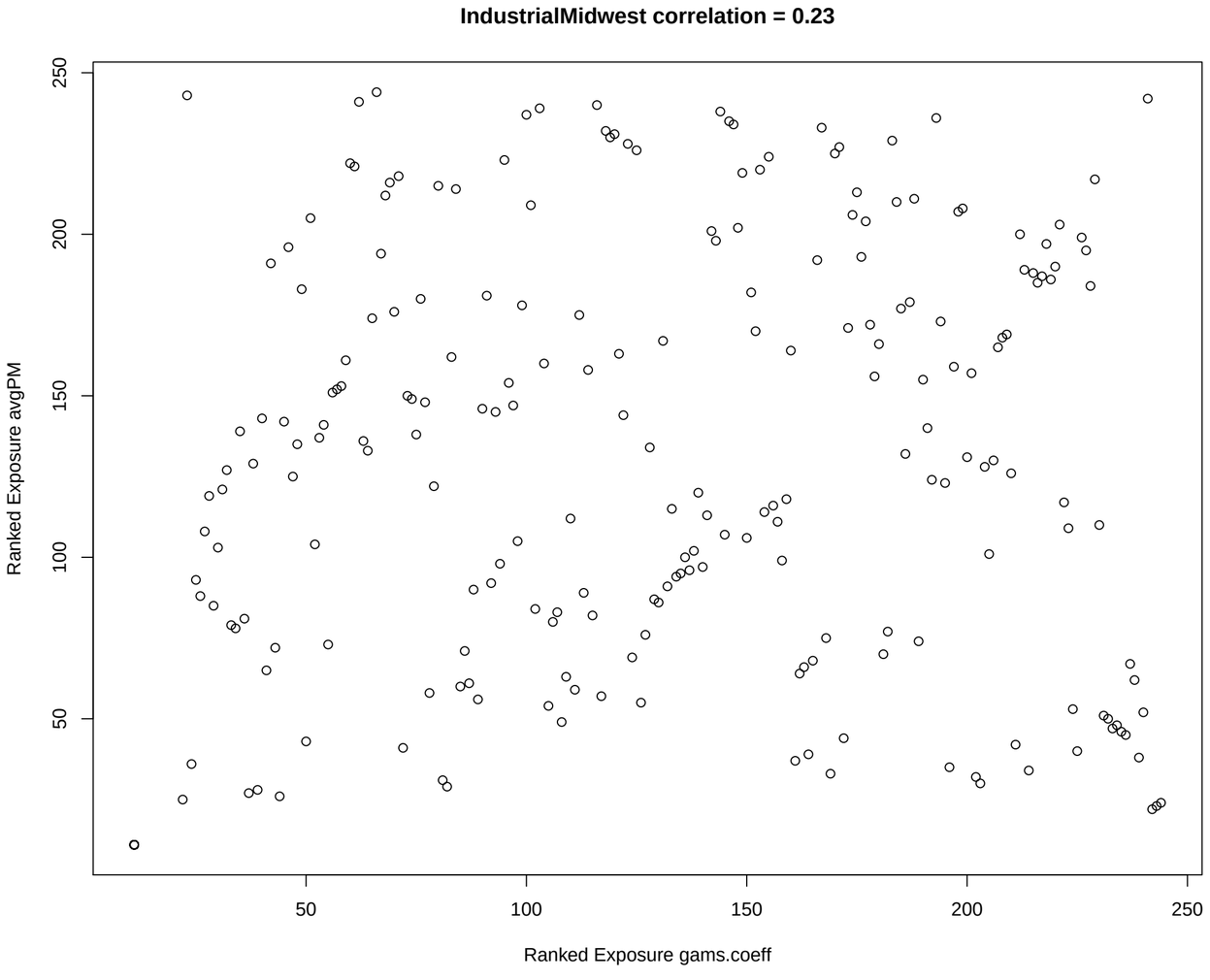


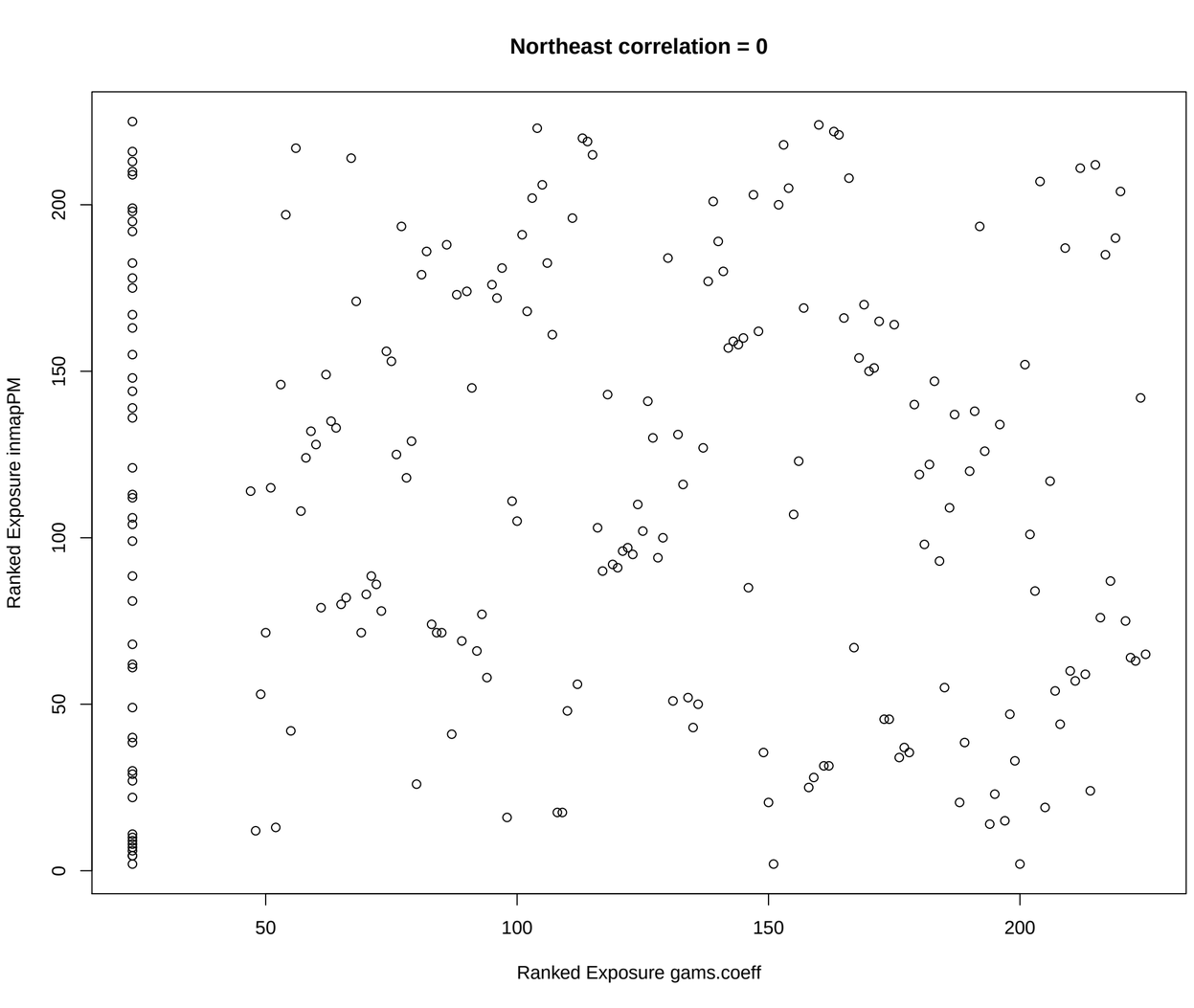
num_edges year15knots 2005

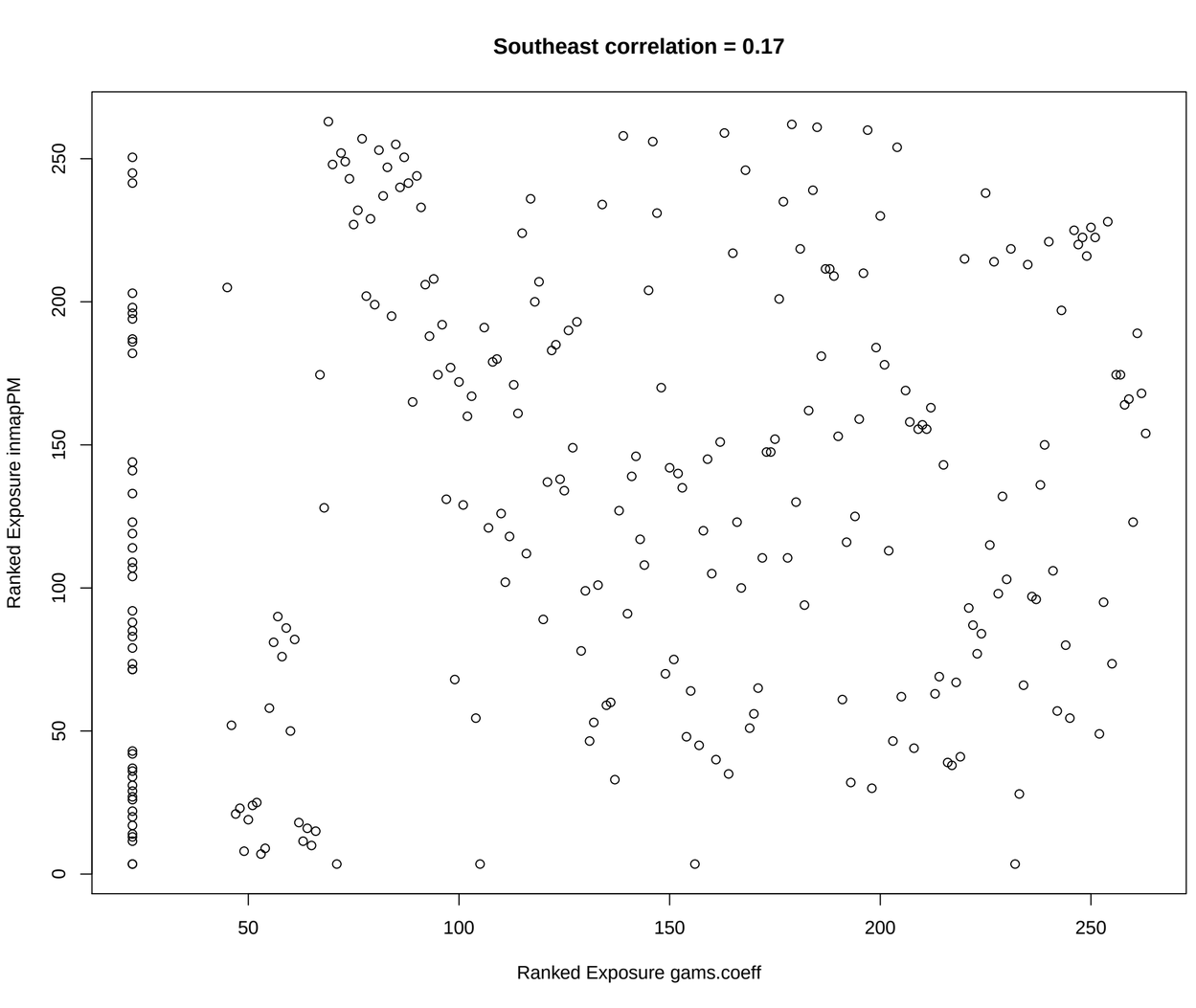


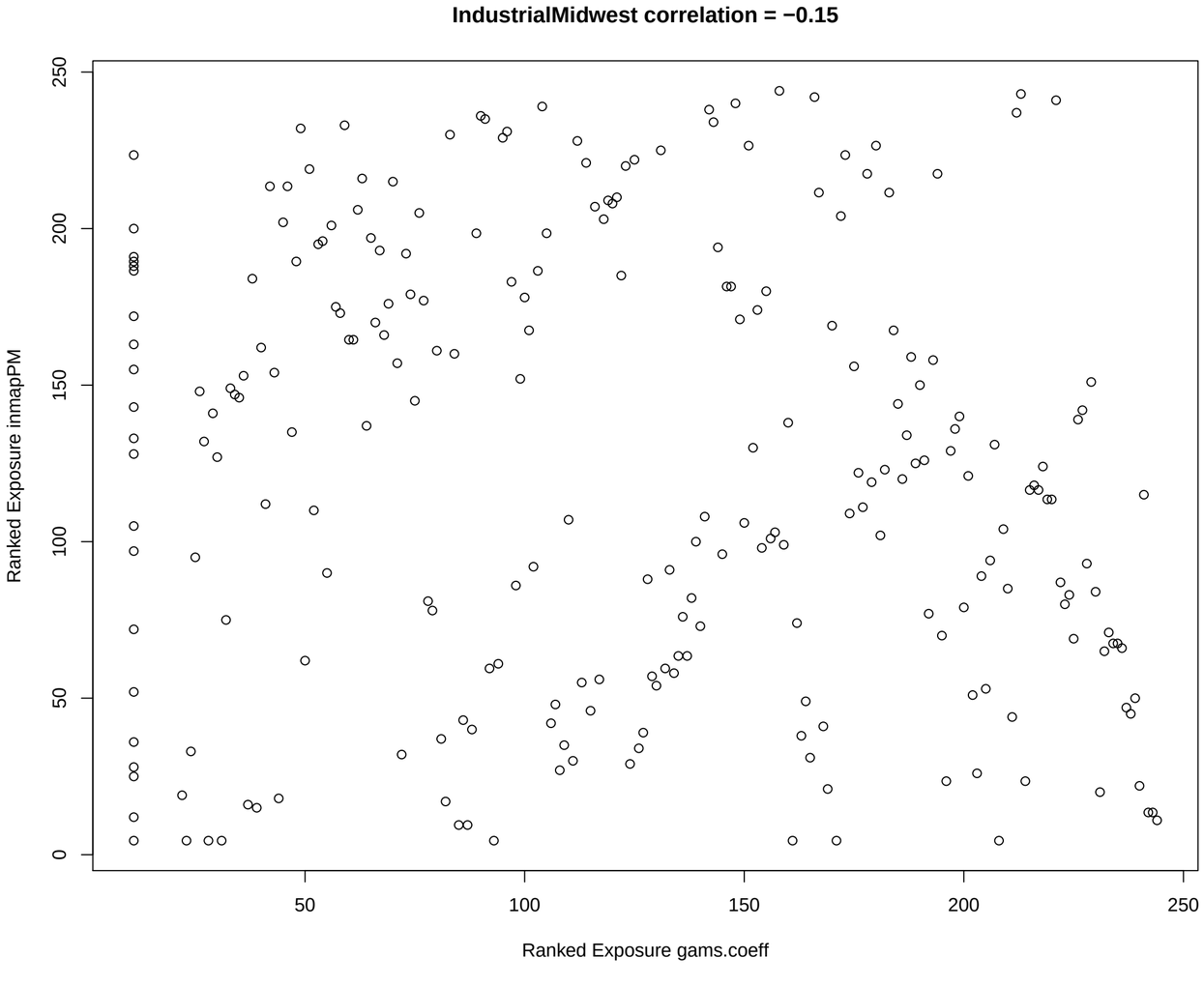

Northeast correlation = 0.62
Ranked Exposure avgPM
Ranked Exposure gams.coeff
50
100
150
200


Southeast correlation = 0.33
Ranked Exposure avgPM
Ranked Exposure gams.coeff
0
50
100
150
200
250


IndustrialMidwest correlation = 0.23
Ranked Exposure avgPM
Ranked Exposure gams.coeff
50
100
150
200
250


Northeast correlation = 0
Ranked Exposure inmapPM
Ranked Exposure gams.coeff
0
50
100
150
200
50
100
150
200


Southeast correlation = 0.17
Ranked Exposure inmapPM
Ranked Exposure gams.coeff
0
50
100
150
200
250
50
100
150
200
250


IndustrialMidwest correlation = −0.15
Ranked Exposure inmapPM
Ranked Exposure gams.coeff
0
50
100
150
200
250