

# baseA Model Performance

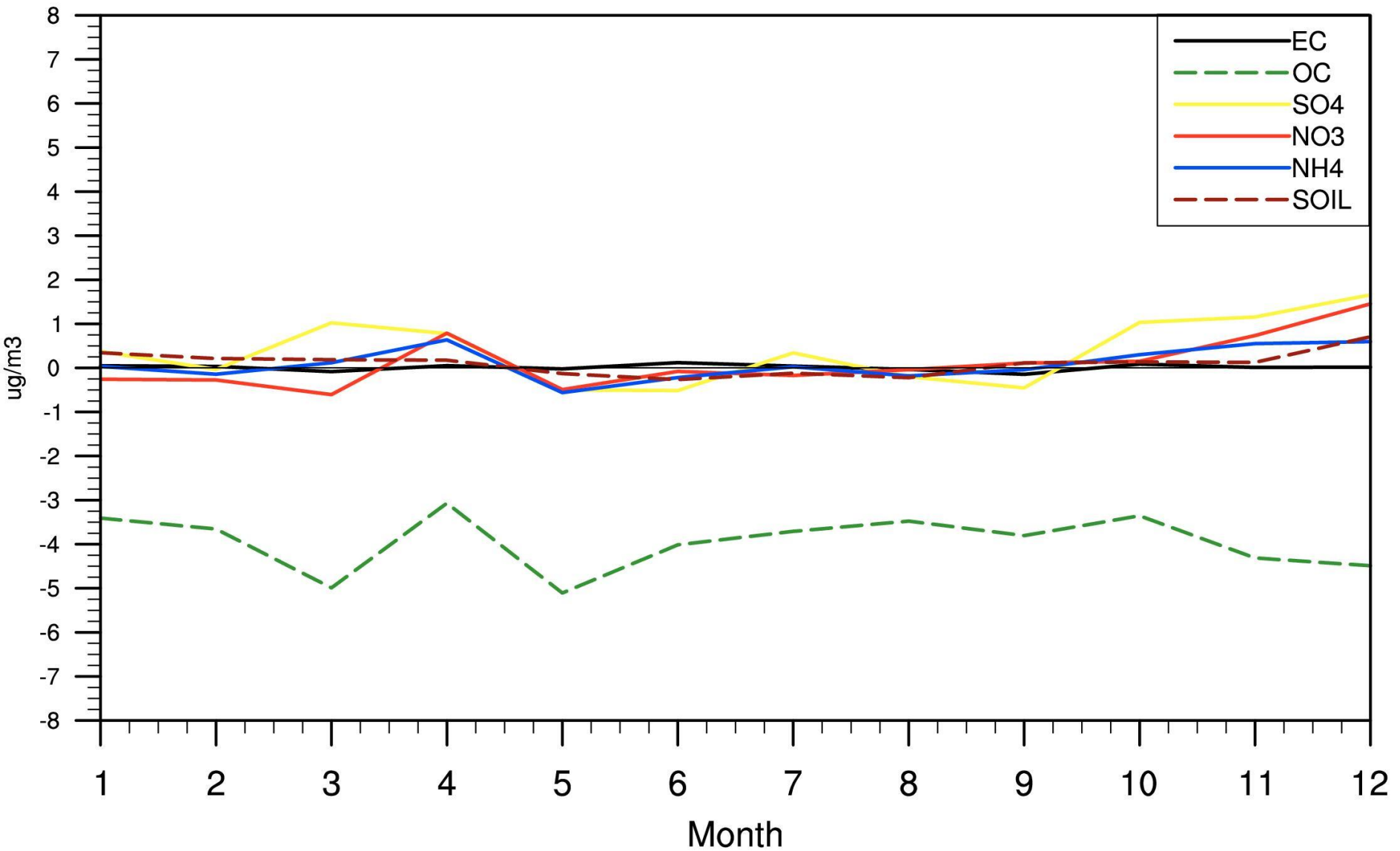
August 3, 2010

Advanced CAMx Training

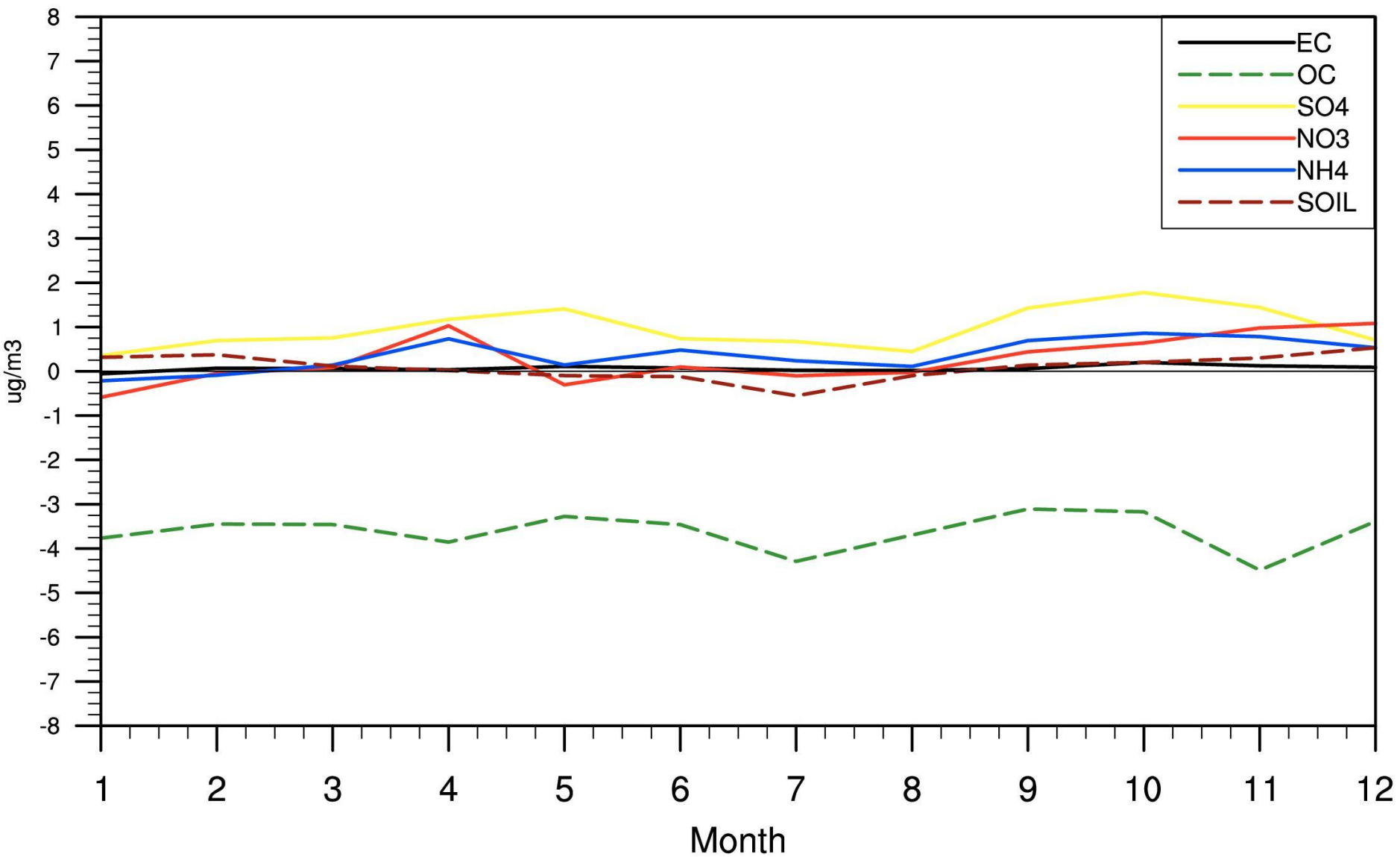
LADCO

PM2.5

# 2007 Monthly Average Mean Bias - 12km (baseA\_MOGbiog)

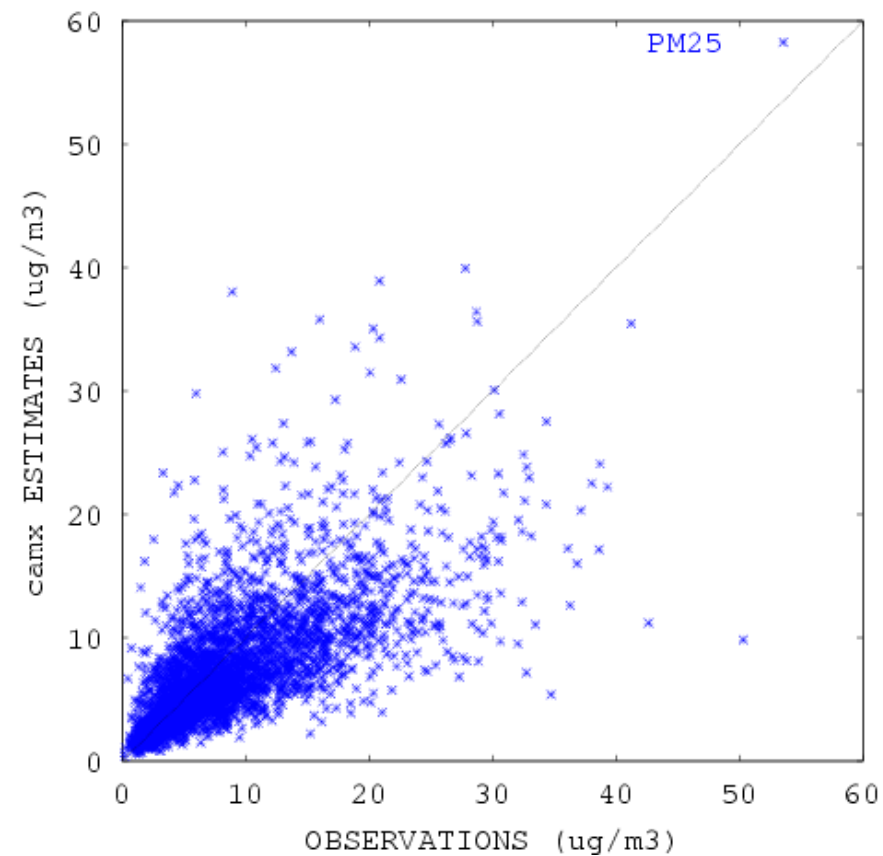


# 2008 Monthly Average Mean Bias - 12km (baseA\_MOGbiog)



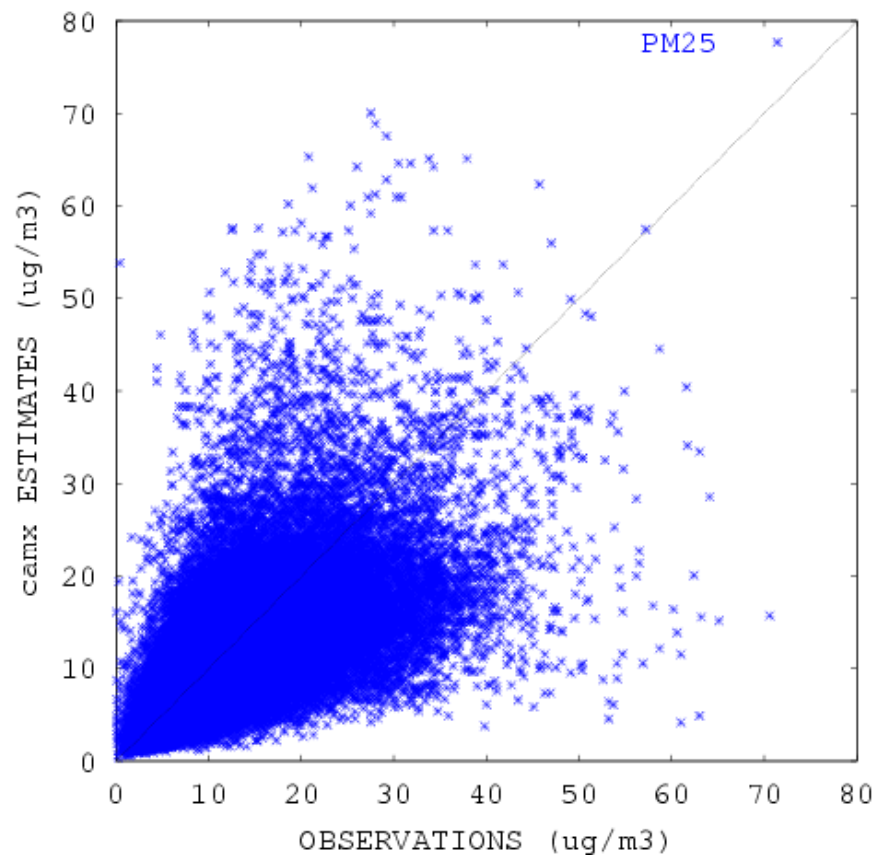
## IMPROVE Sites

baseA\_MOGbiog - 2007 [LADCO]



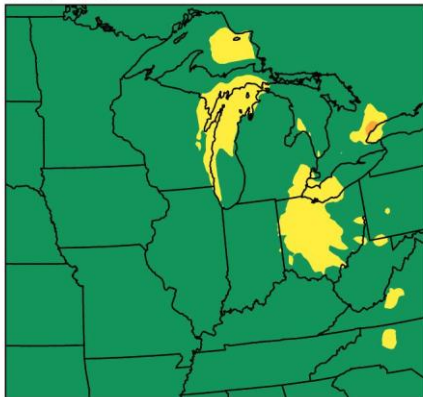
## FRM Sites

baseA\_MOGbiog - 2007 [LADCO]

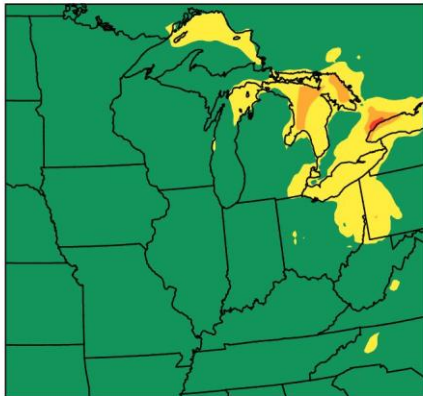


# Observations

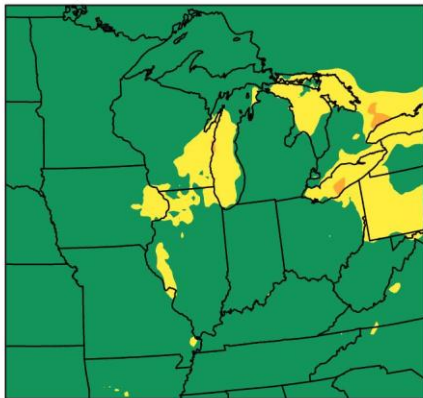
a. May 30, 2007



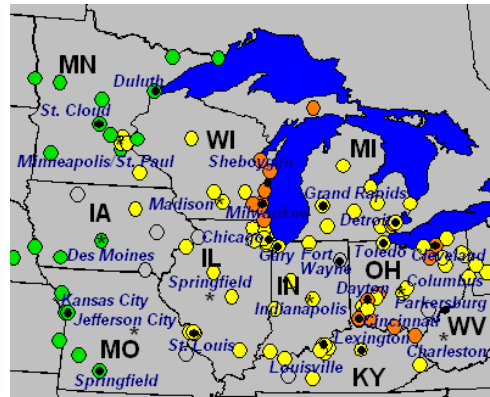
b. May 31, 2007



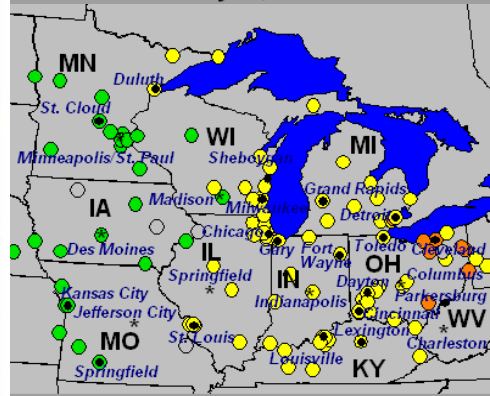
c. June 1, 2007



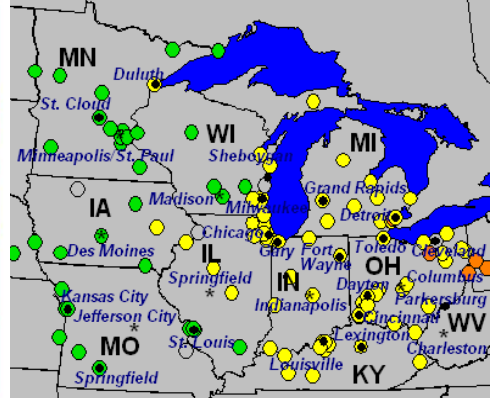
15 35 65  
PM2.5 ( $\mu\text{g}/\text{m}^3$ )



May 30, 2007



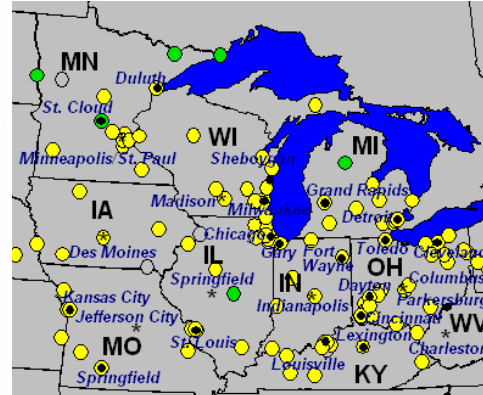
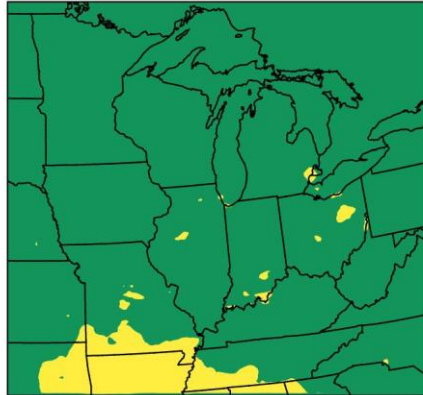
May 31, 2007



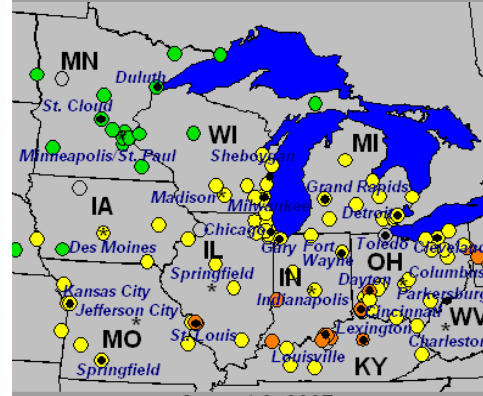
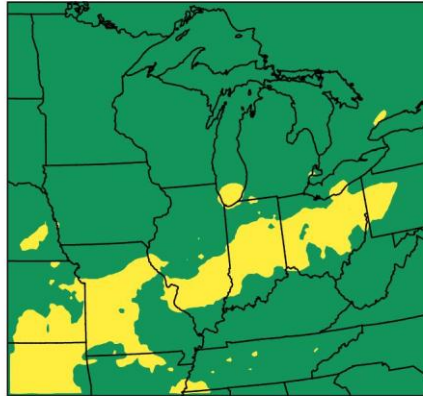
June 1, 2007

# Observations

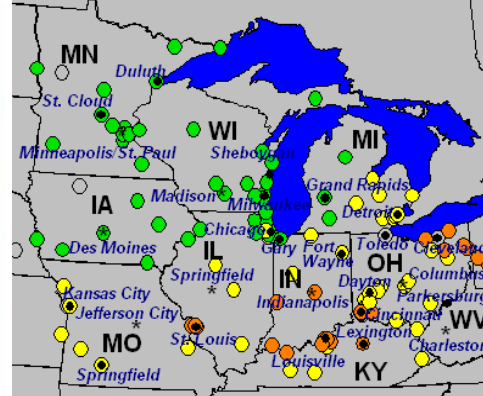
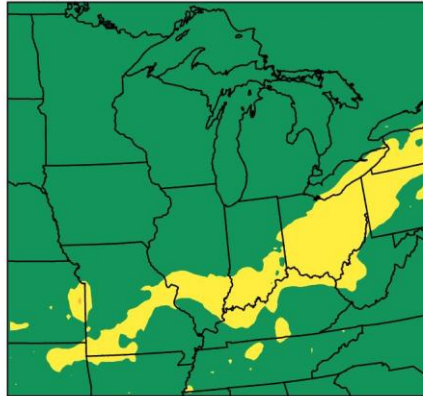
a. August 1, 2007



b. August 2, 2007



c. August 3, 2007

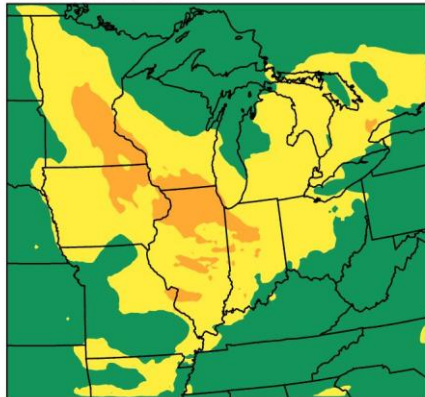


15 35 65

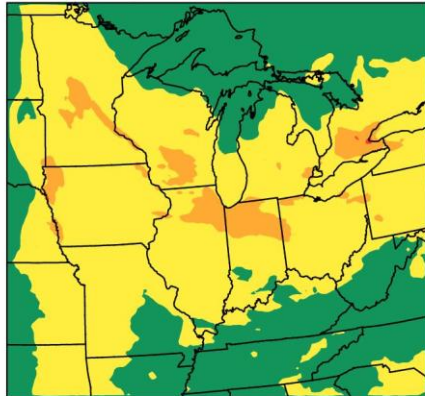
PM2.5 (ug/m<sup>3</sup>)

# Observations

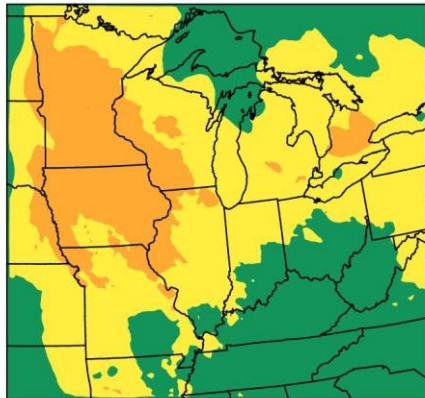
a. December 19, 2007



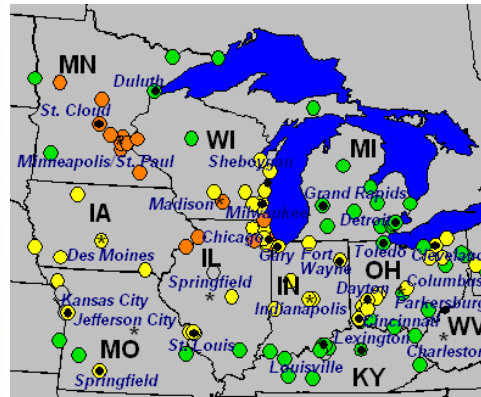
b. December 20, 2007



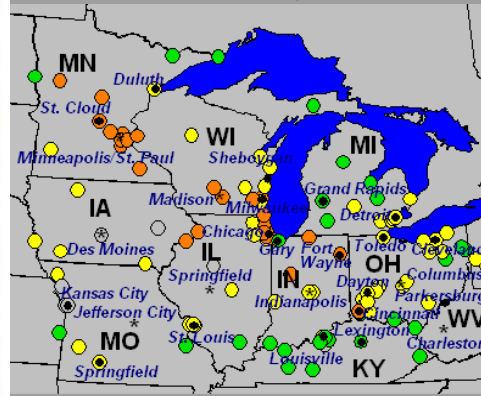
c. December 21, 2007



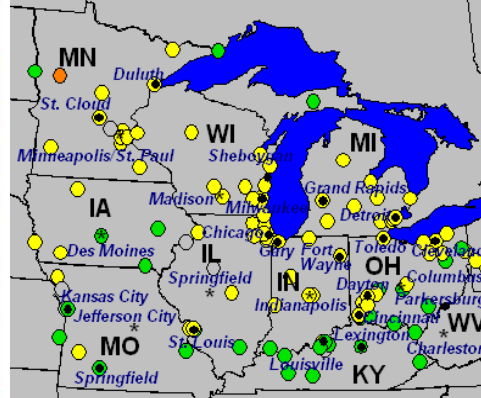
15 35 65  
PM2.5 (ug/m<sup>3</sup>)



December 19, 2007



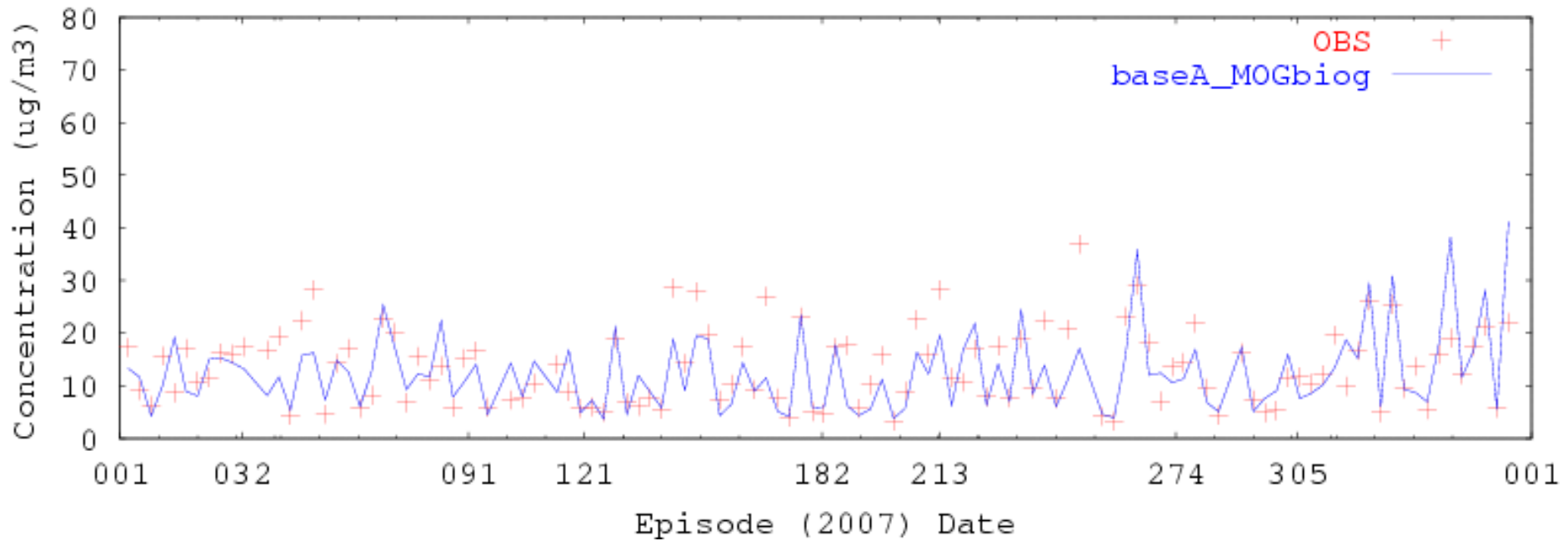
December 20, 2007



December 21, 2007

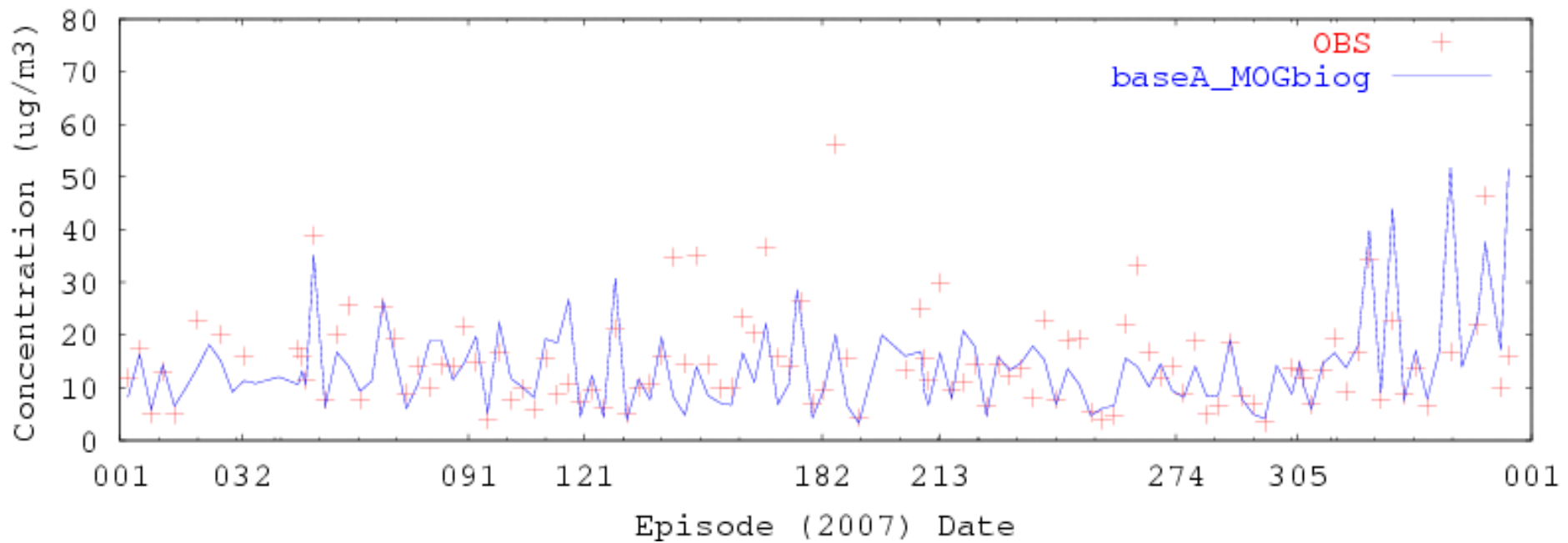
# Detroit-Dearborn, MI

baseA\_MOGbiog - 261630036 - PM25 (ug/m3) camx [LADC0]



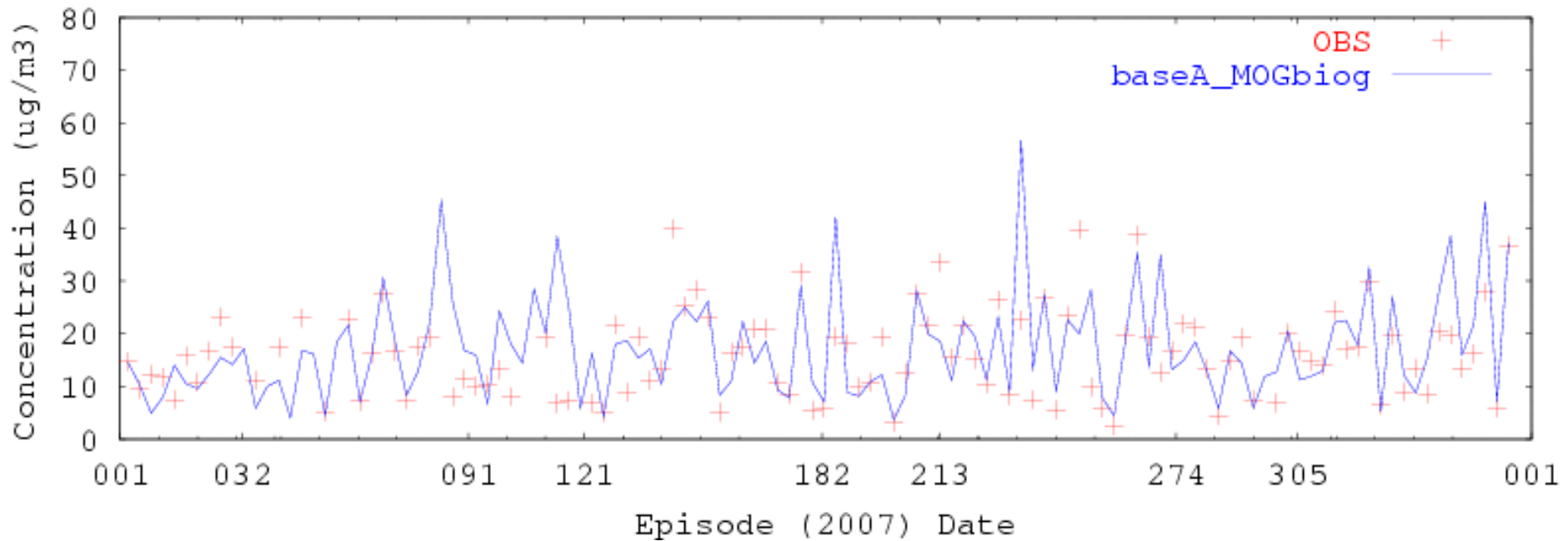
# Chicago, IL

baseA\_MOGbiog - 170310057 - PM25 (ug/m3) camx [LADC0]



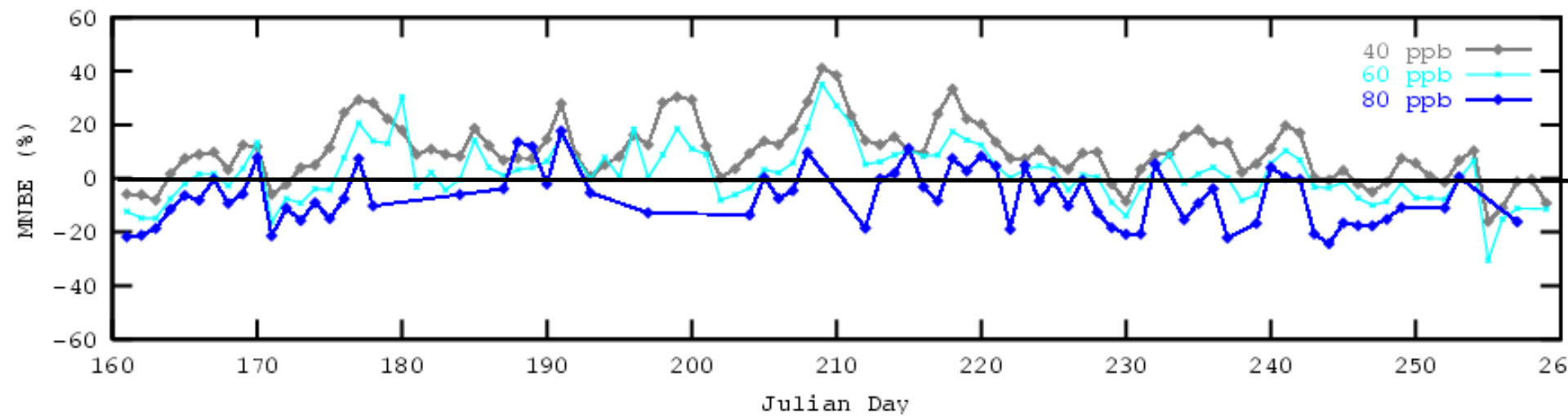
# Cleveland, OH

baseA\_MOGbiog - 390350060 - PM25 (ug/m3) camx [LADC0]

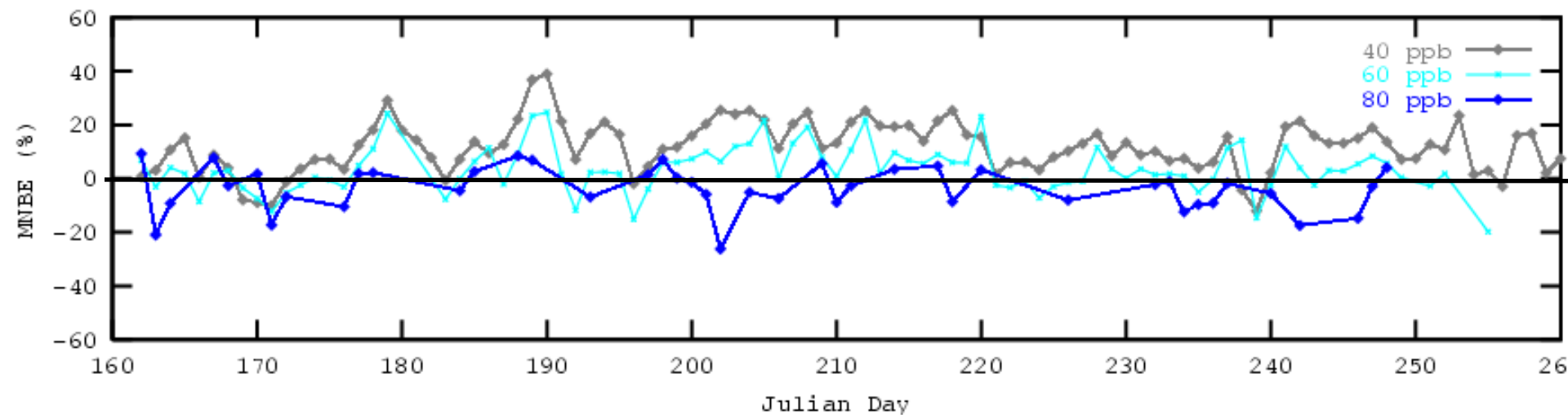


Ozone

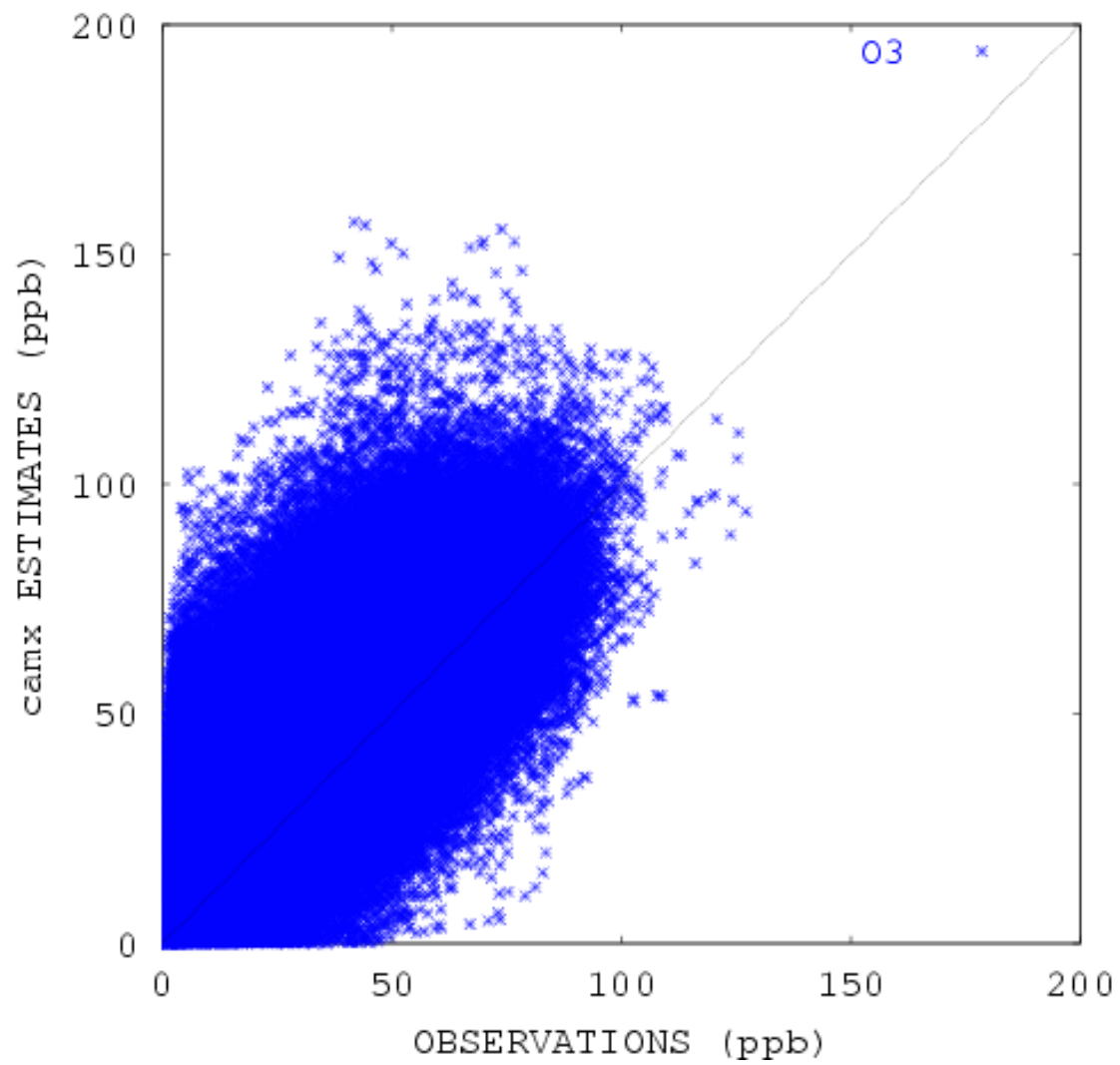
8 HR O3 (ppb) - 2007 - baseA\_MOGbiog12\_07summer [LADCO] camx



8 HR O3 (ppb) - 2008 - baseA\_MOGbiog12\_08summer [LADCO] camx

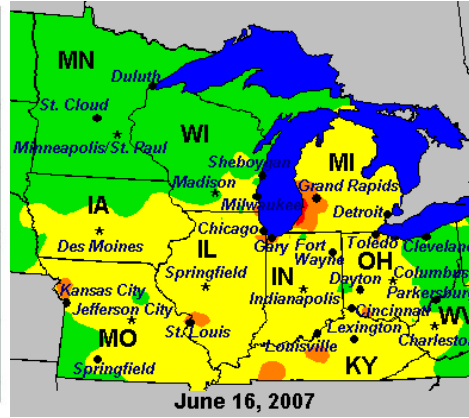
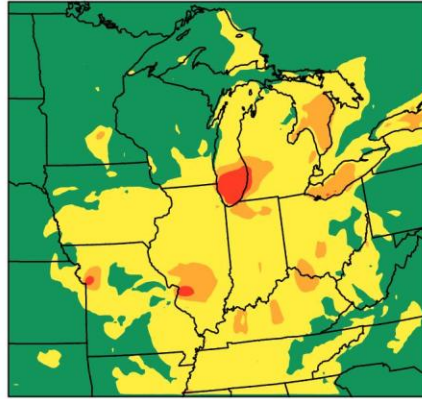


baseA\_MOGbiog12\_07summer - 2007 [LADCO]

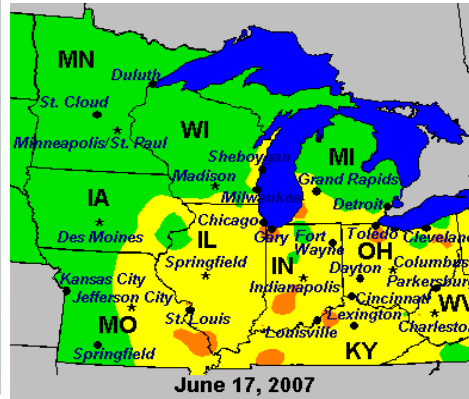
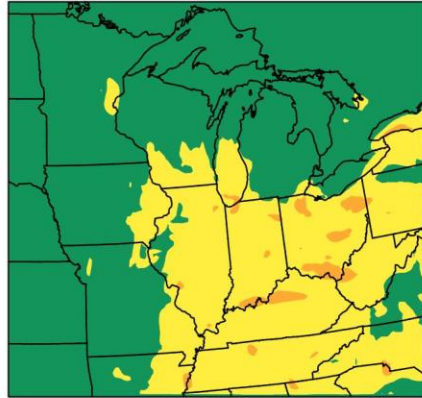


# Observations

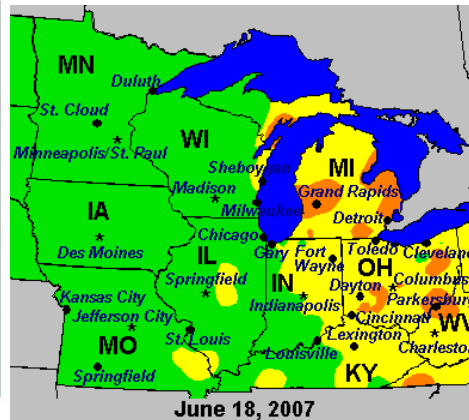
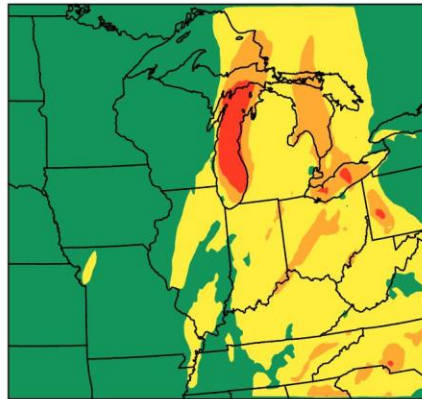
a. June 16, 2007



b. June 17, 2007

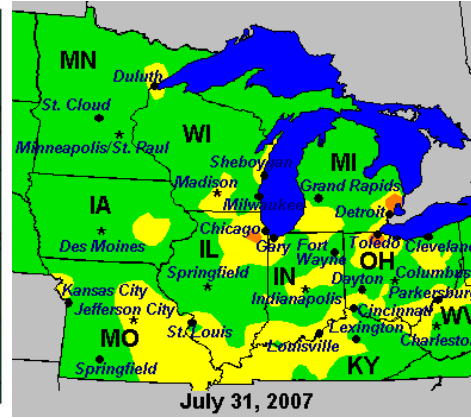
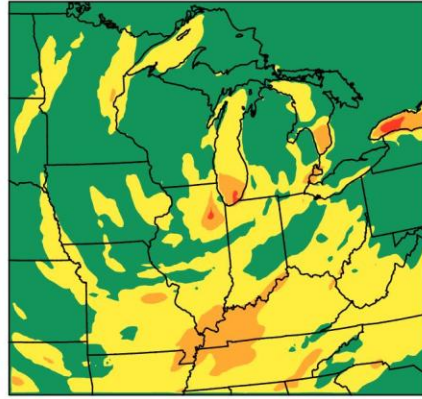


c. June 18, 2007

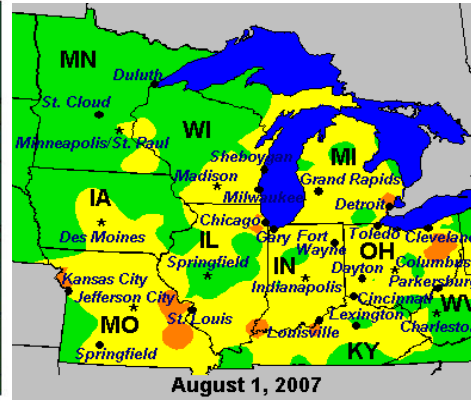
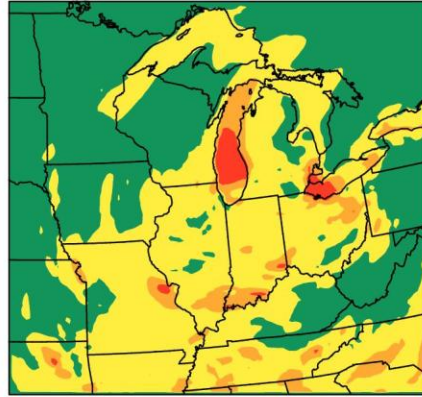


# Observations

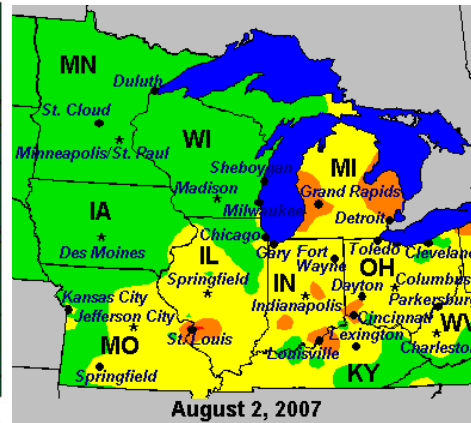
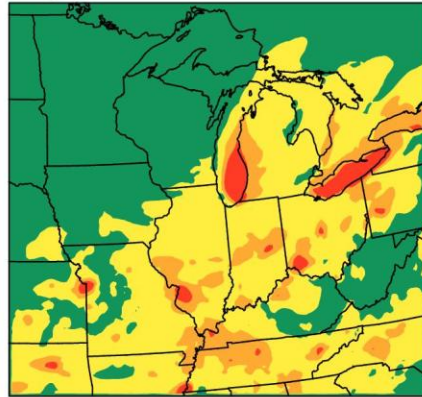
a. July 31, 2007

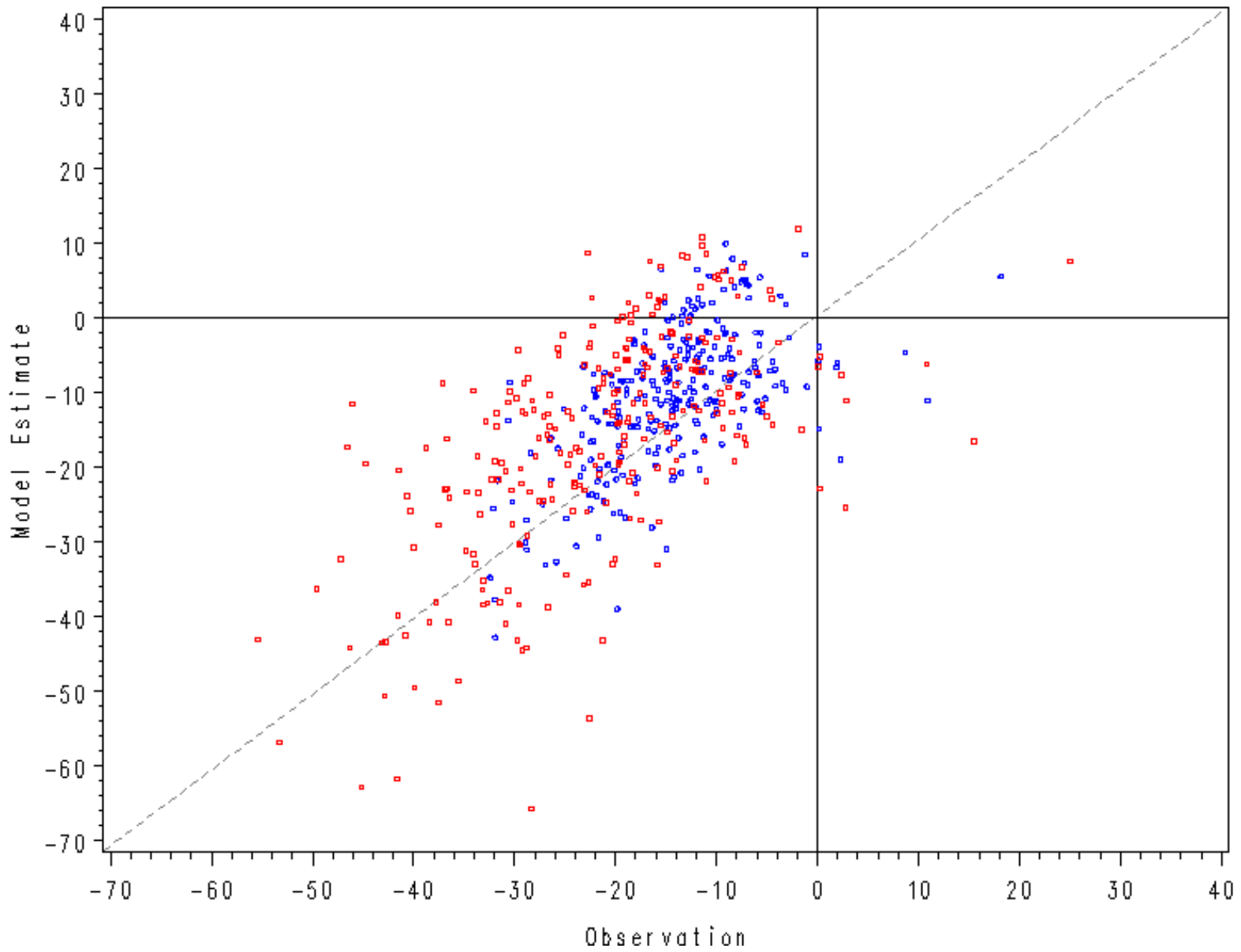


b. August 1, 2007



c. August 2, 2007

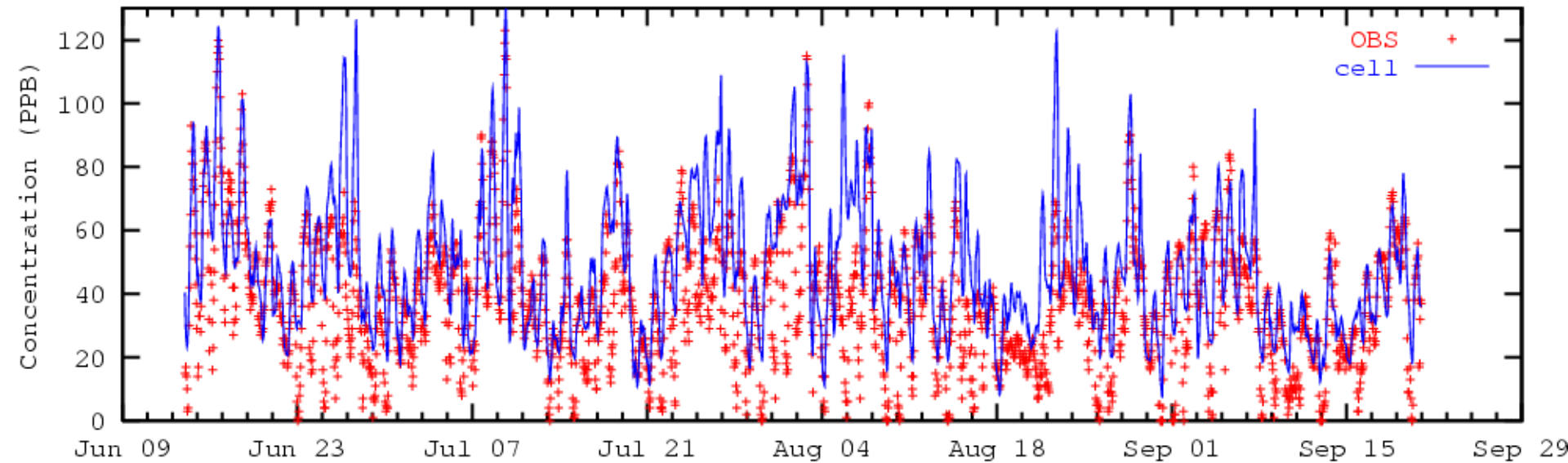




Blue = absolute delta Red = relative delta

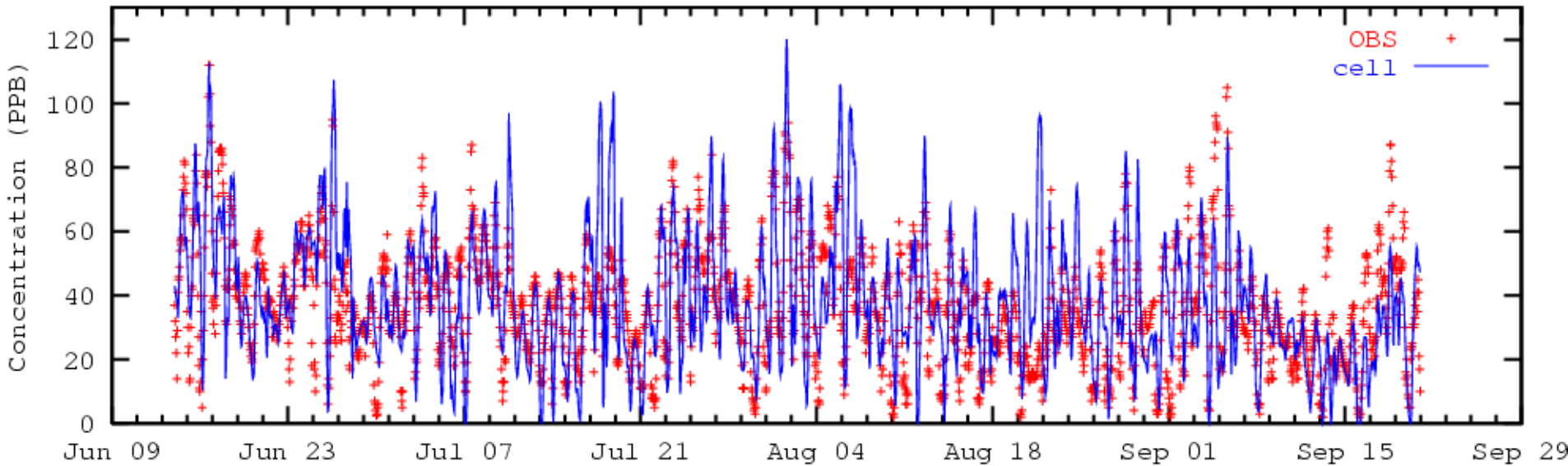
# Holland, MI

Ozone (PPB) - 260050003 - baseA\_MOGbiog12\_07summer 2007 [LADCO] camx



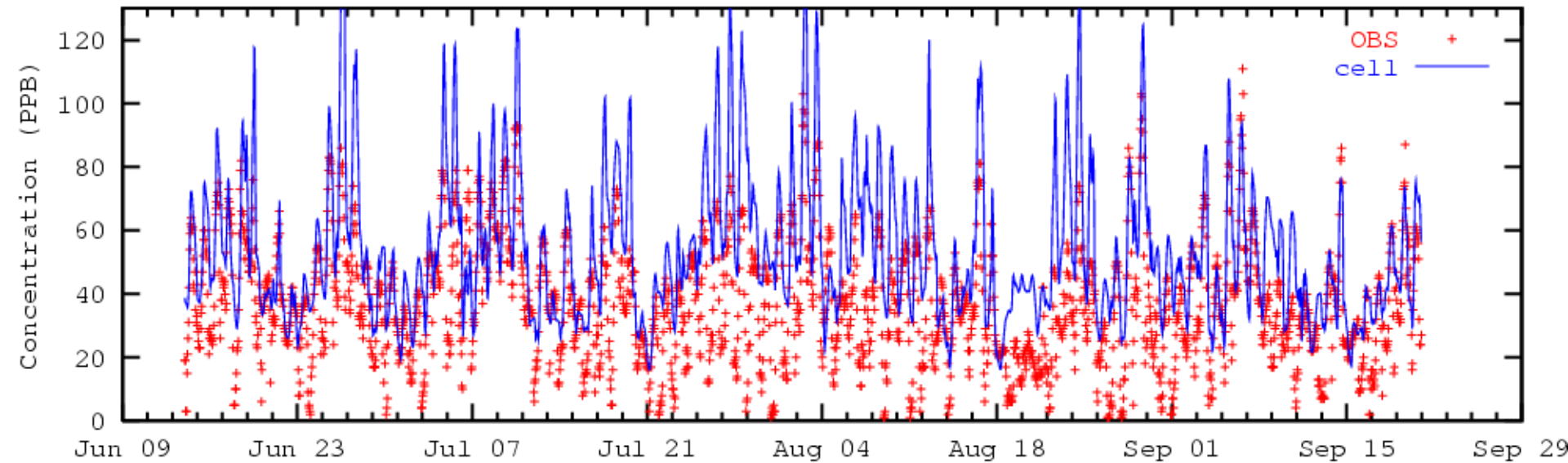
# Kenosha, WI

Ozone (PPB) - 550590019 - baseA\_MOGbiog12\_07summer 2007 [LADCO] camx

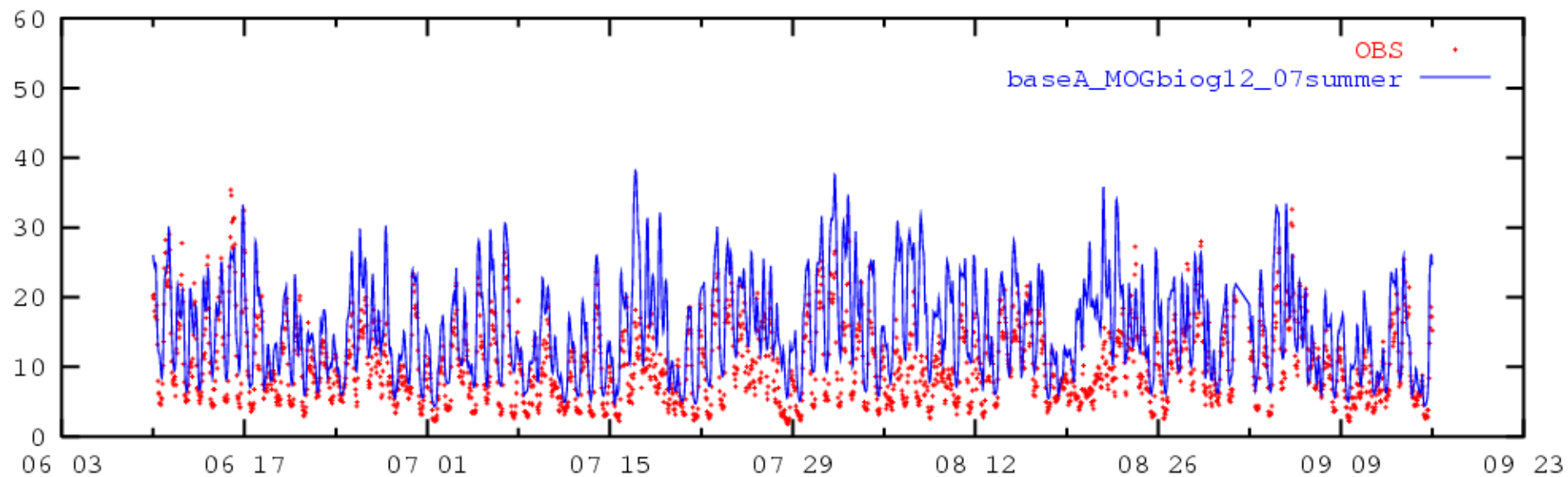


# Ashtabula, OH

Ozone (PPB) - 390071001 - baseA\_MOGbiog12\_07summer 2007 [LADCO] camx



NO2 (ppb) - midw airs - 2007 [LADCO] camx



Isoprene (ppb) - midw airs - 2007 [LADCO] camx

