

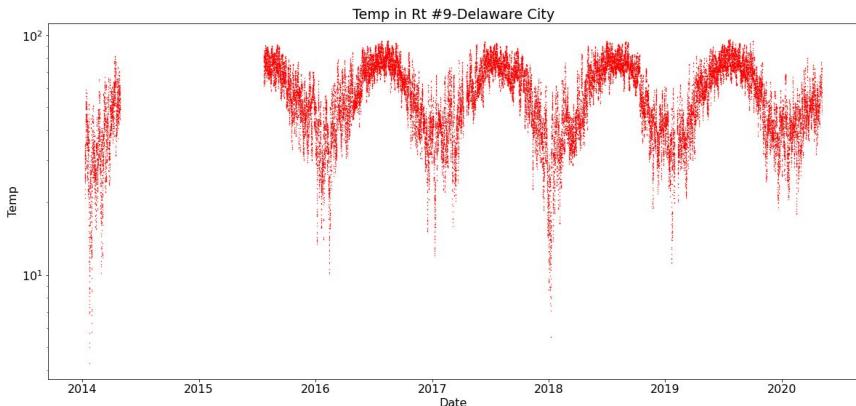
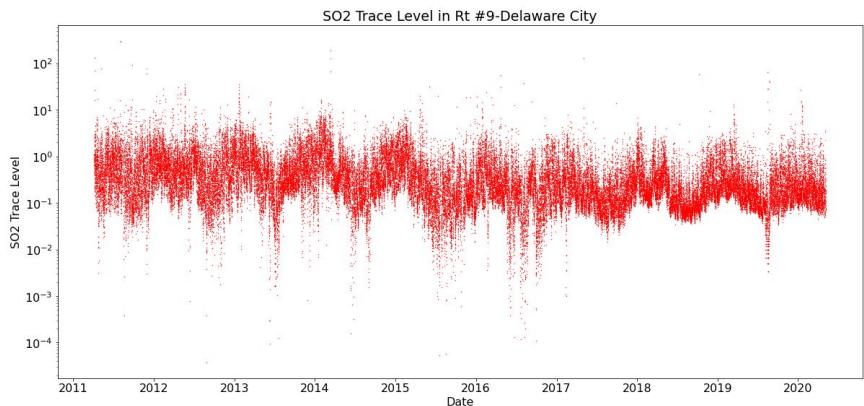
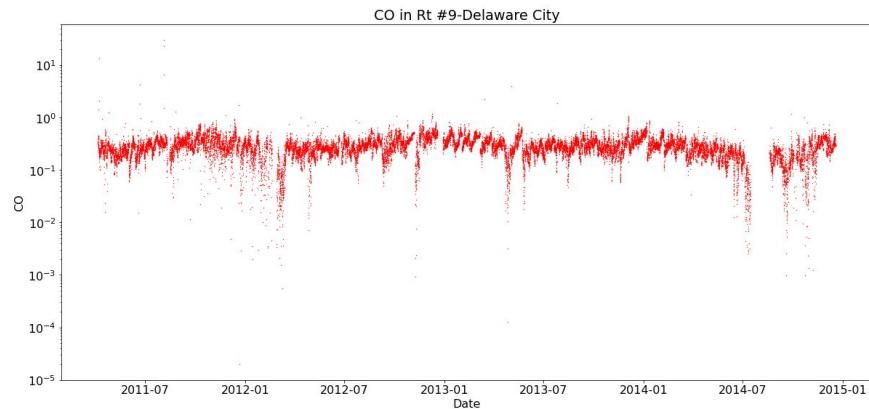
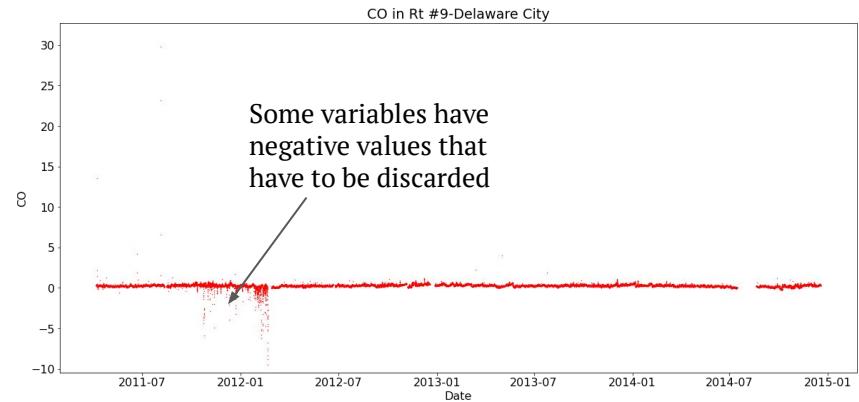
COVID-19 Emission Data

DSI Hackathon
5/8/2020

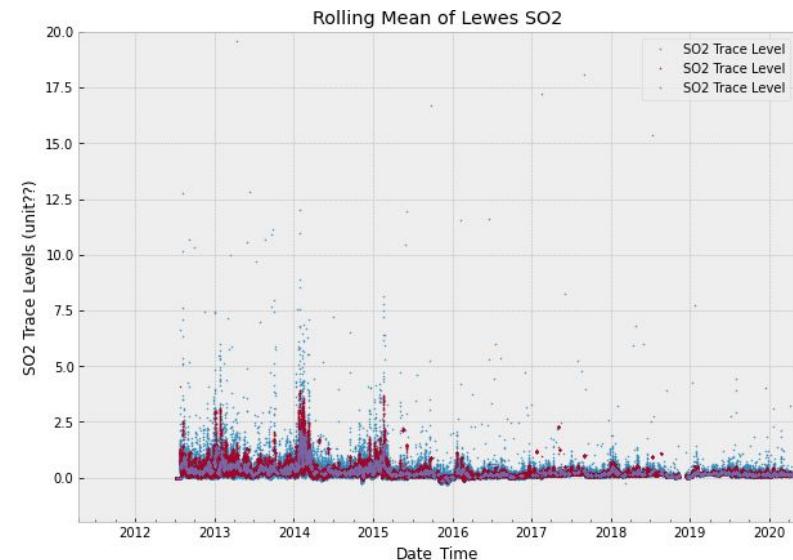
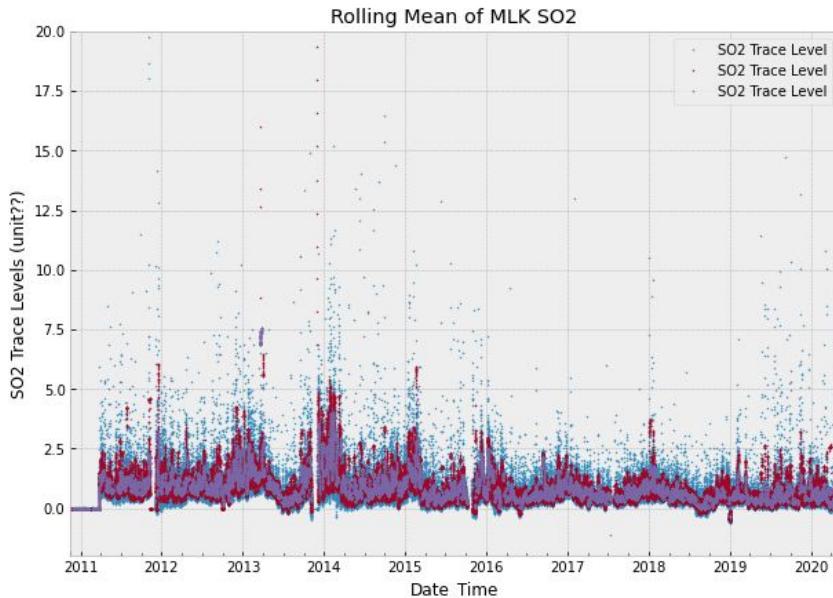
Delaware Air Quality Monitoring Network



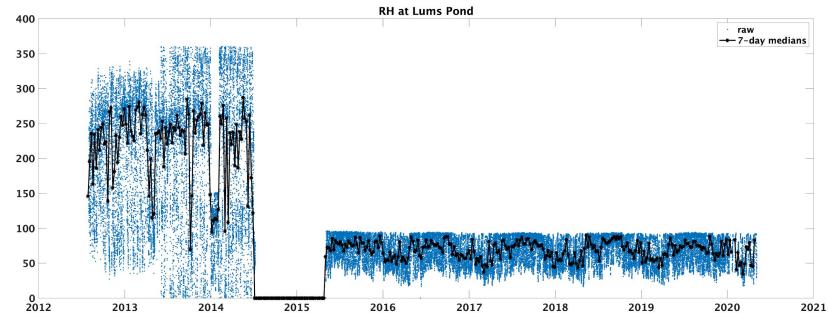
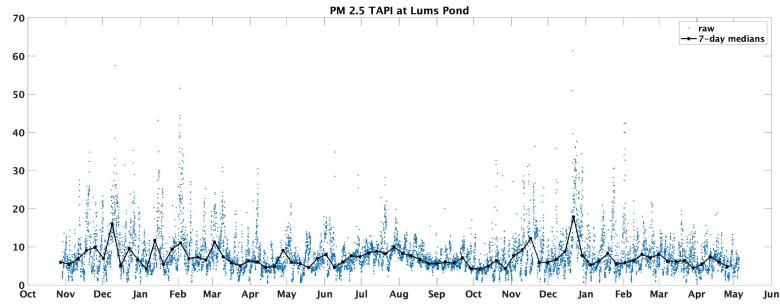
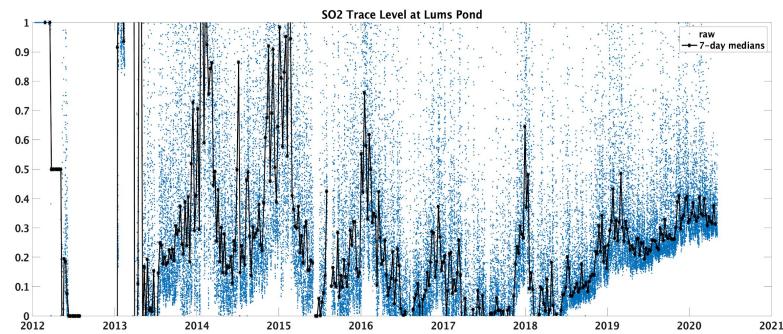
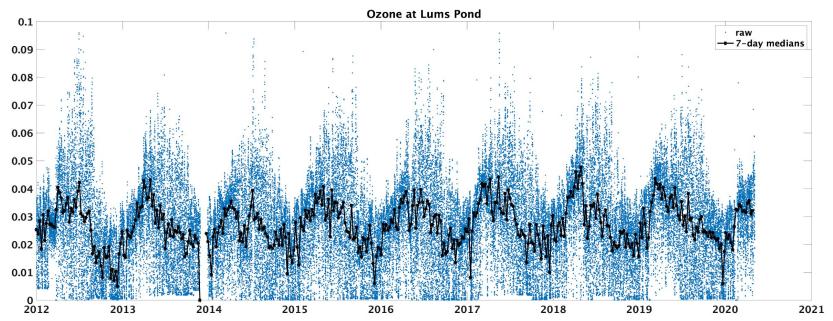
Data from the Delaware City station



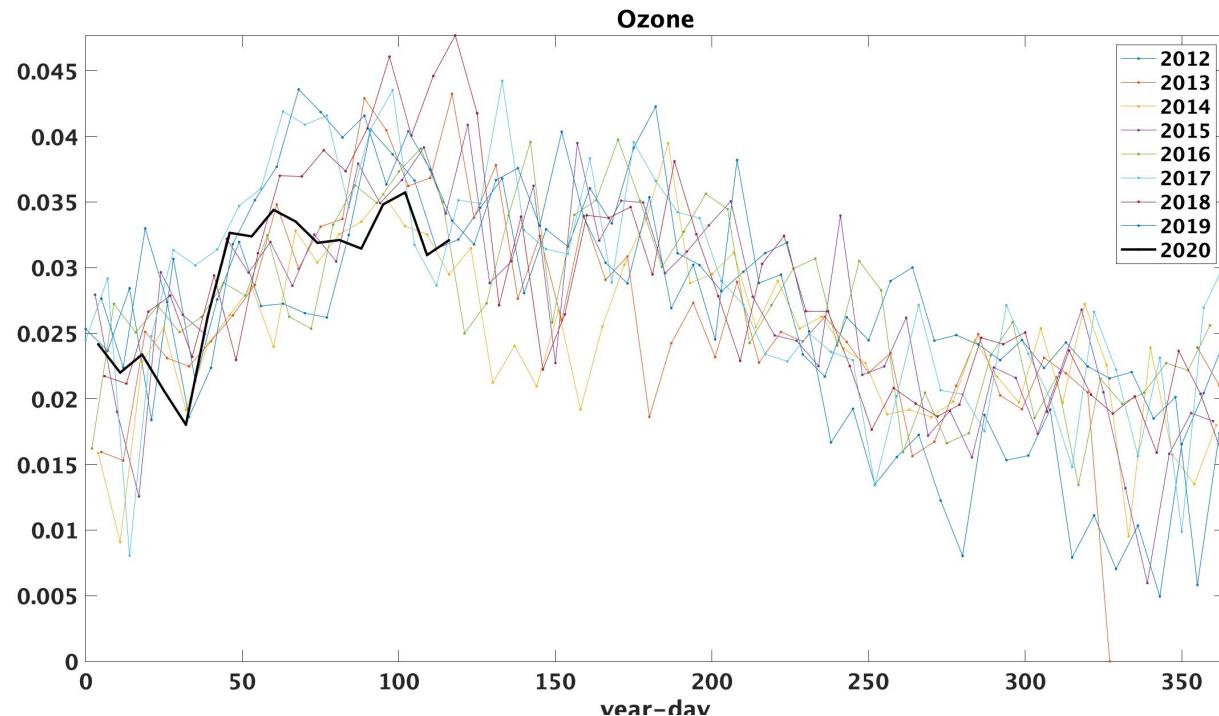
Rolling mean of SO2 for MLK and Lewes



Lums Pond Data



Lums Pond Data



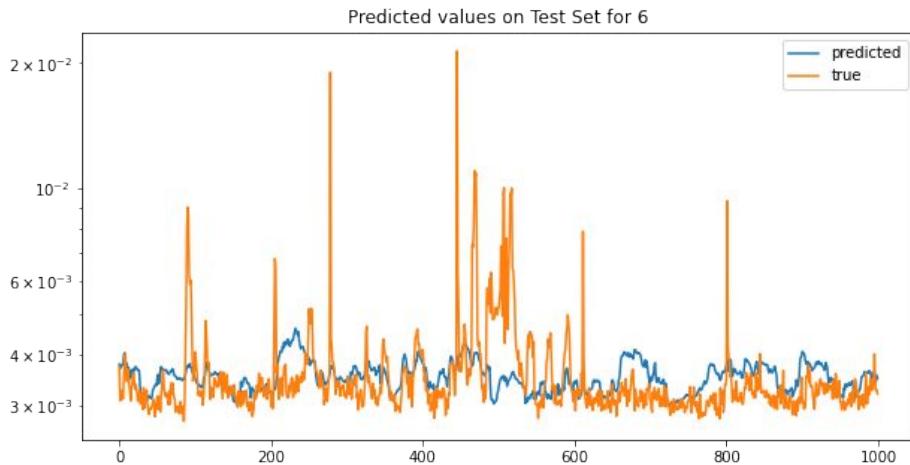
Predicted using Neural Network.

Data cadence: 1 sample/hour

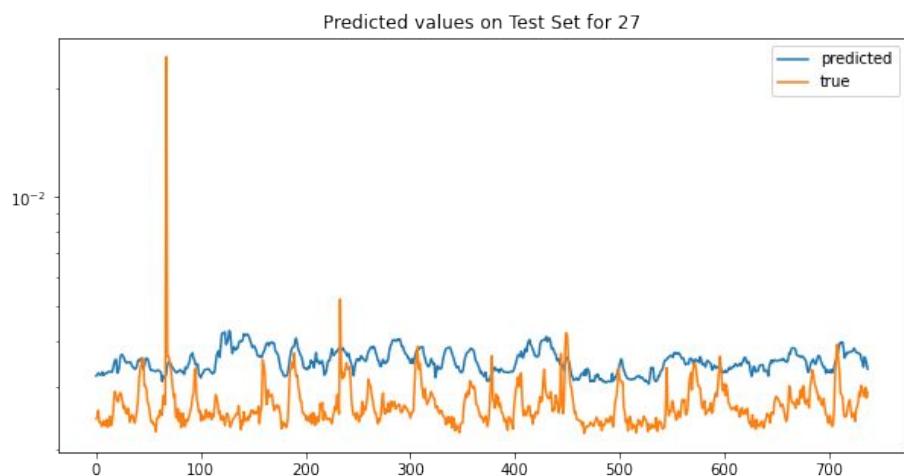
Training set: 40,000 points

Validation set: 10,000 points

Test set: 15,000 points



2013-01-28 - 2013-03-11



2020-03-07 - 2020-05-07

Scaled SO₂ concentration (Lewes)

Autocorrelation of Neural Network trained on Data Set of Sulfur Dioxide Concentration per Hour in Lewes

