

# Field Testing Nafion Dryers on Co-located CASTNET Ozone Analyzers

Kevin Mishoe  
Jayde Alderman  
Anthony Ward  
Marcus Stewart

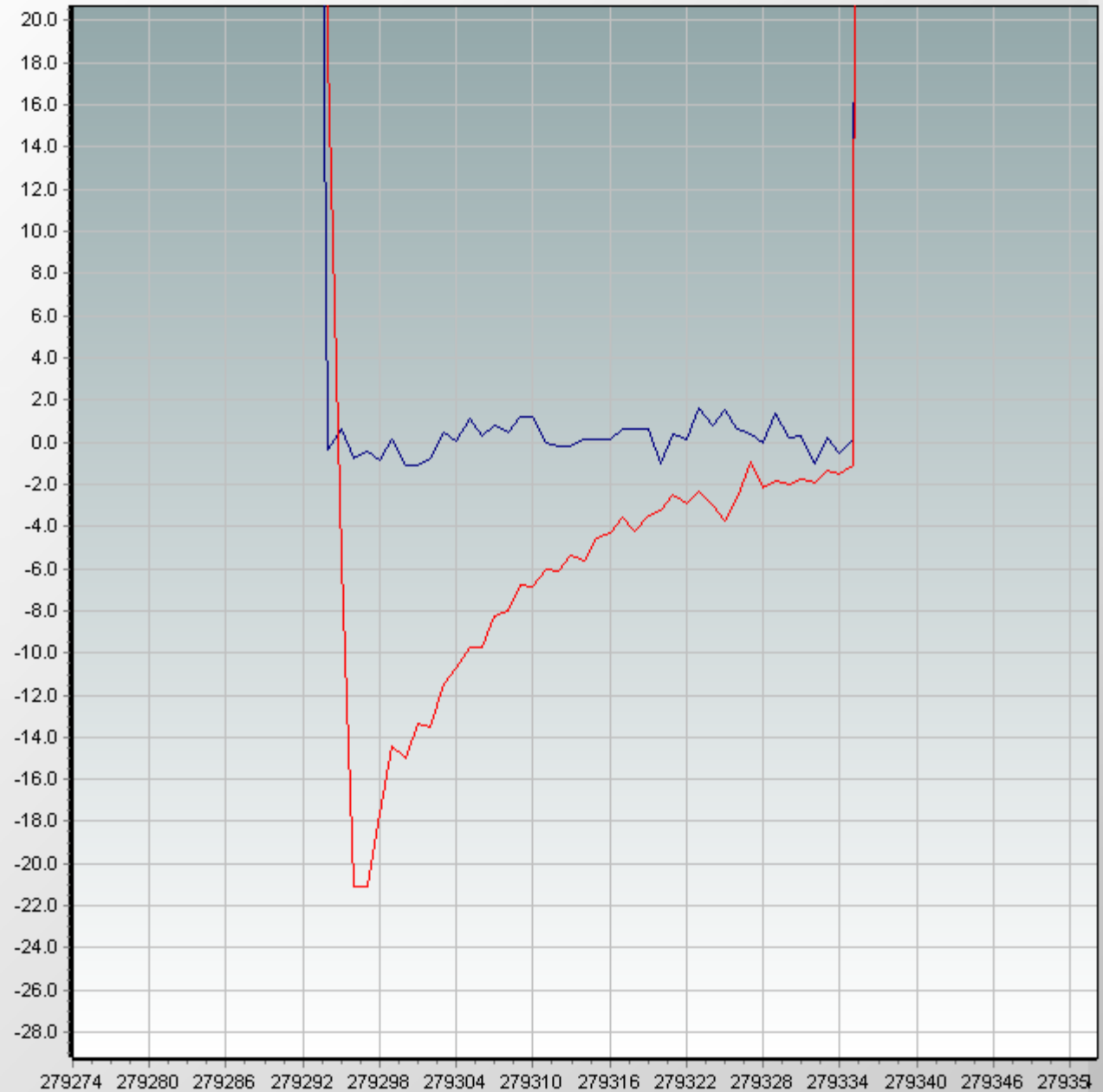
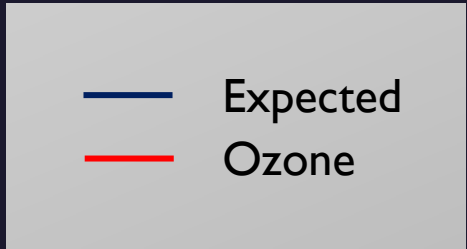
WSP Environment and Infrastructure, Inc.

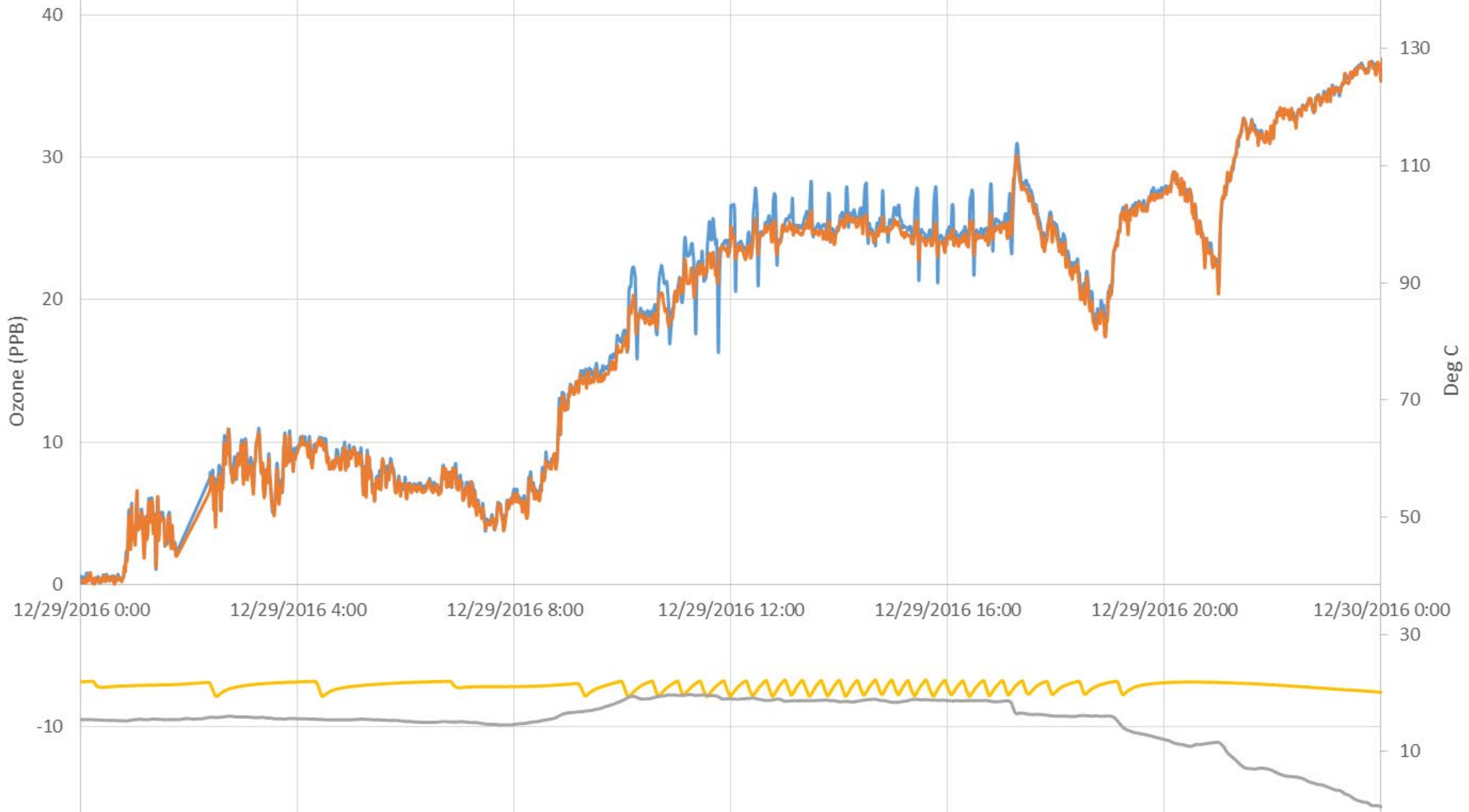
Tim Sharac  
EPA, OAR, CAPD



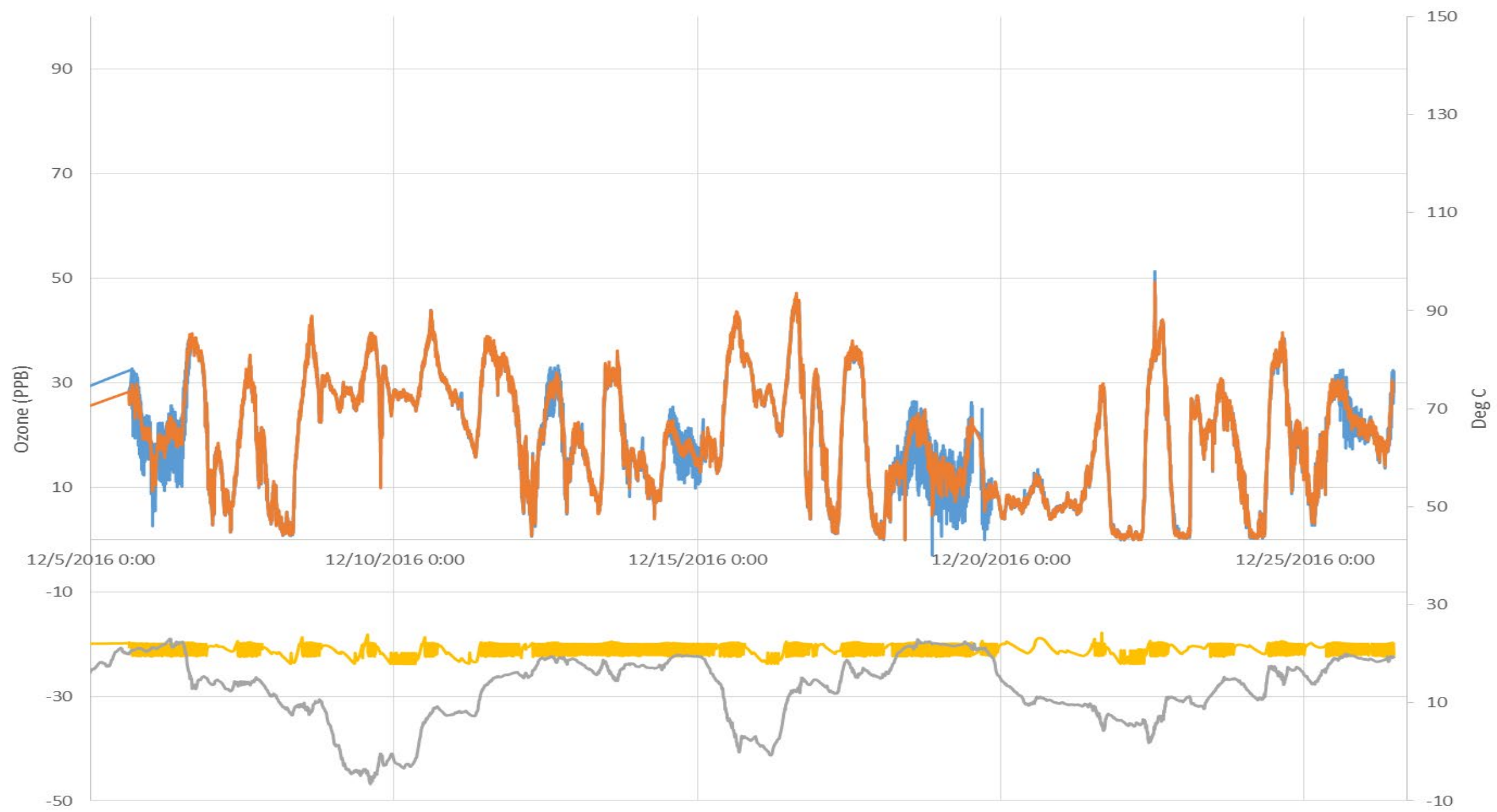
SUM I 56, Florida

# Negative Concentrations with dry calibration air



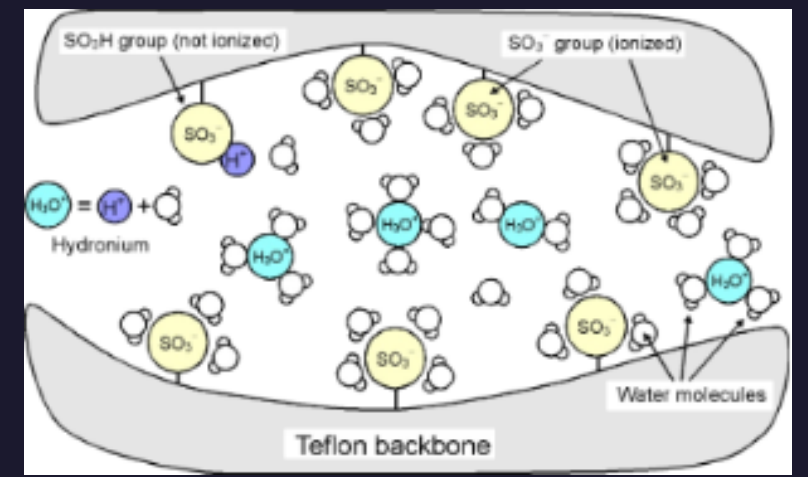
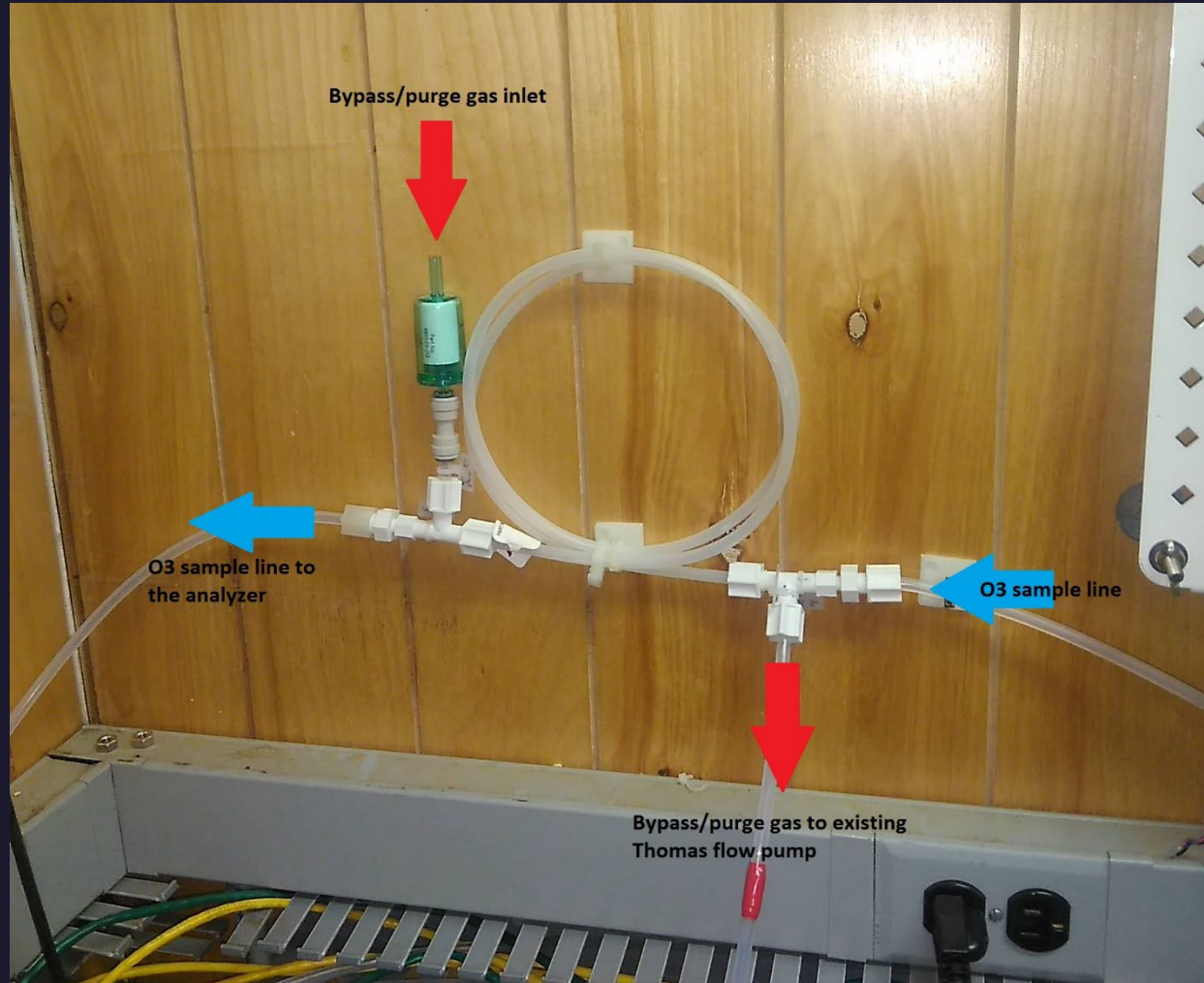


Control Evaluation Shelter Temp Dew Point





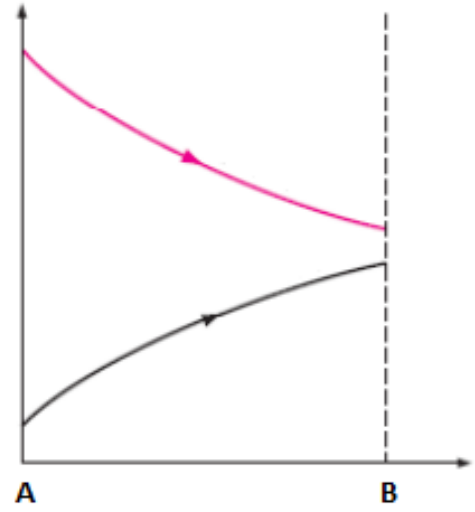
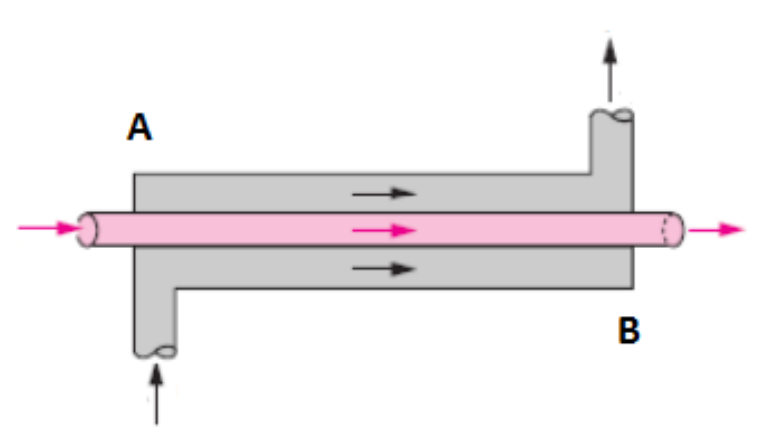
GTH161, Colorado



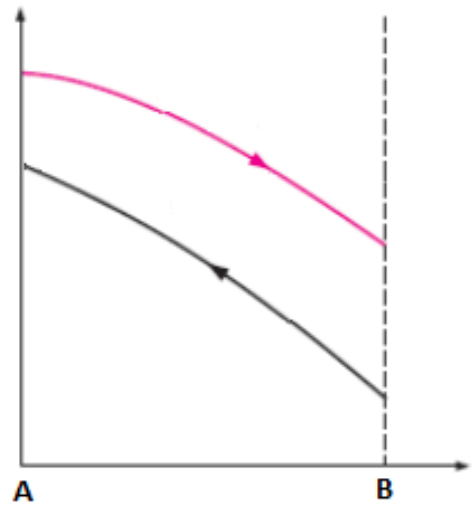
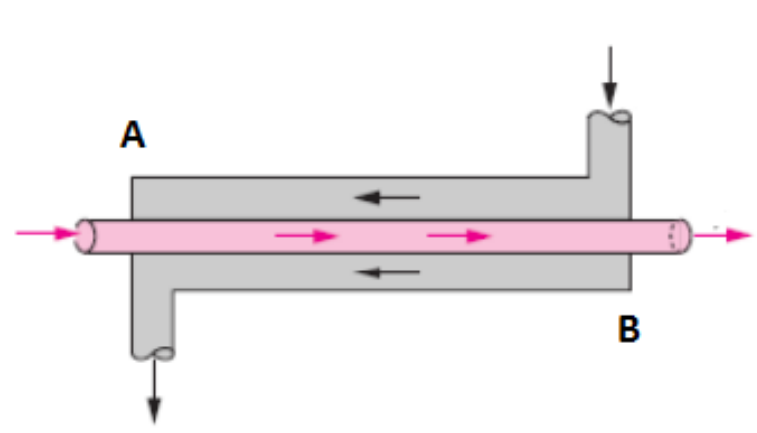
Whiteface, NY



### COCURRENT

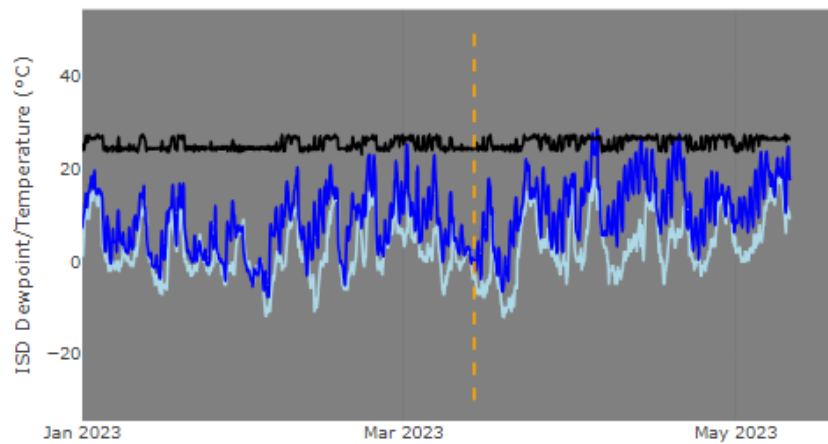
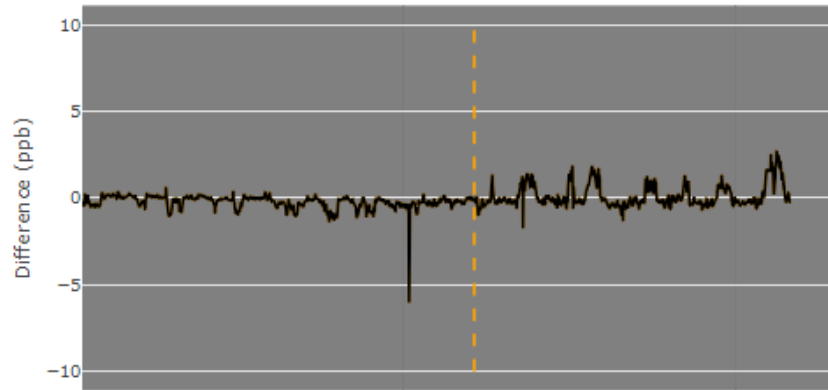
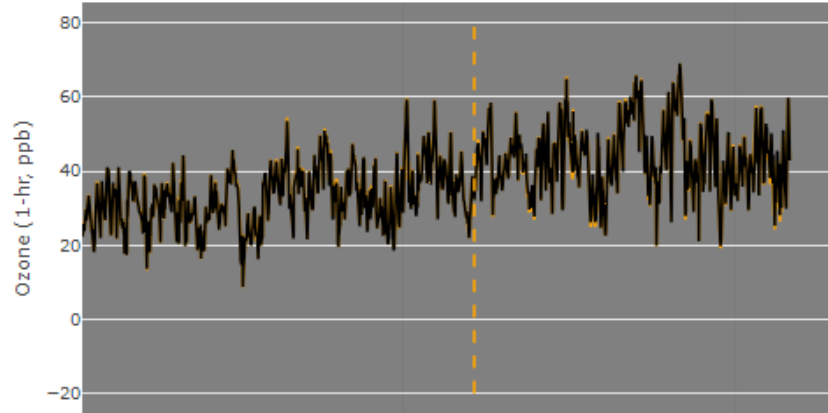


### COUNTERCURRENT





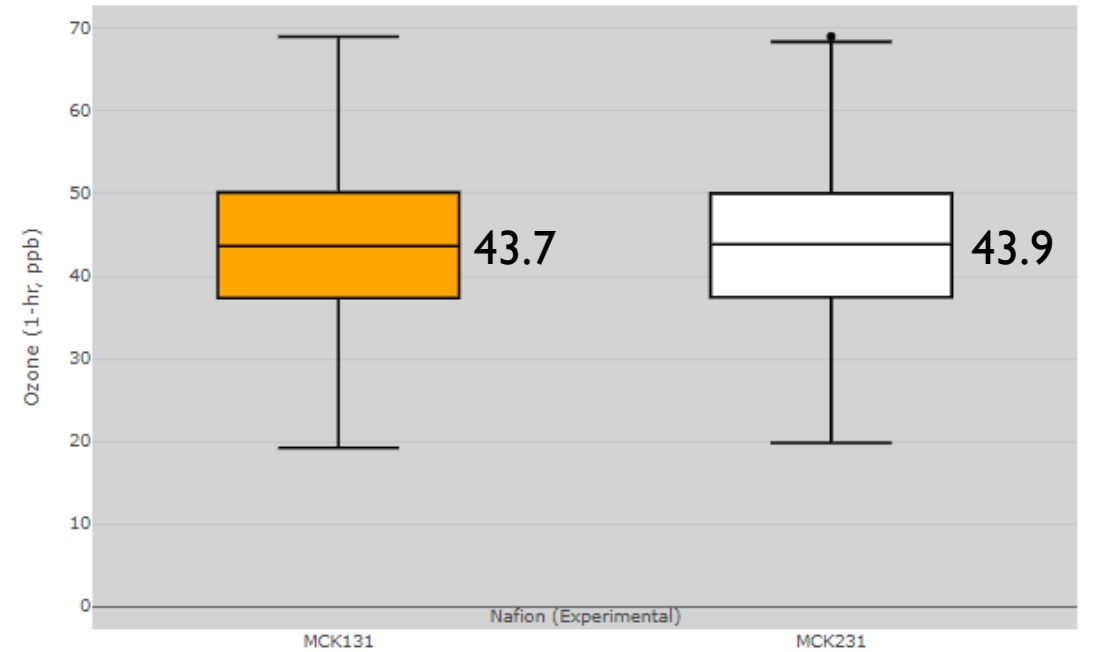
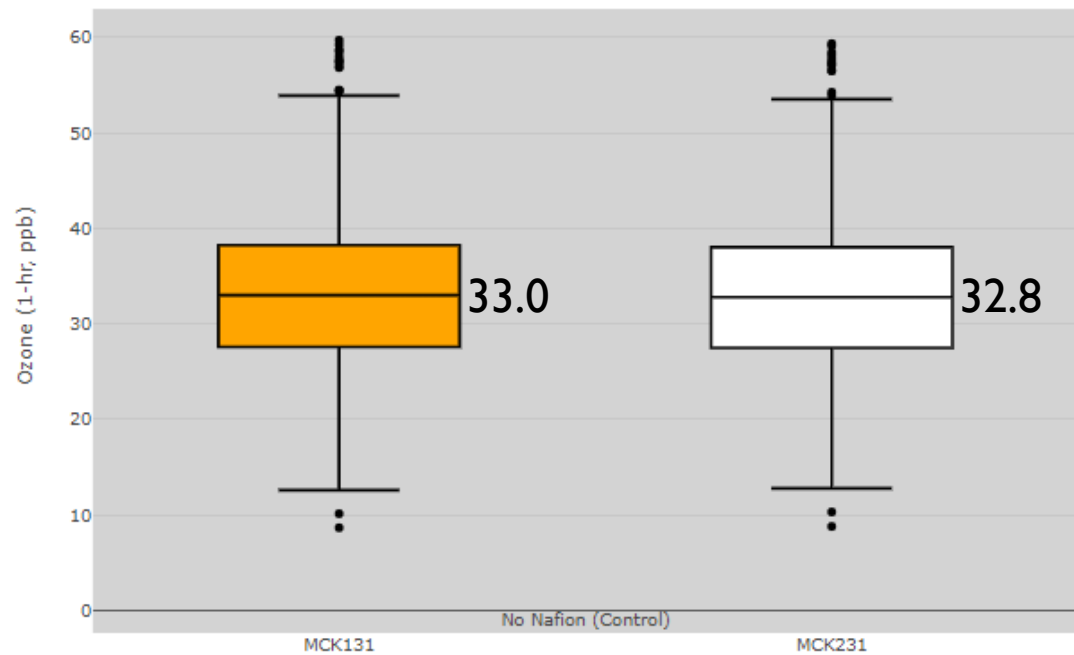
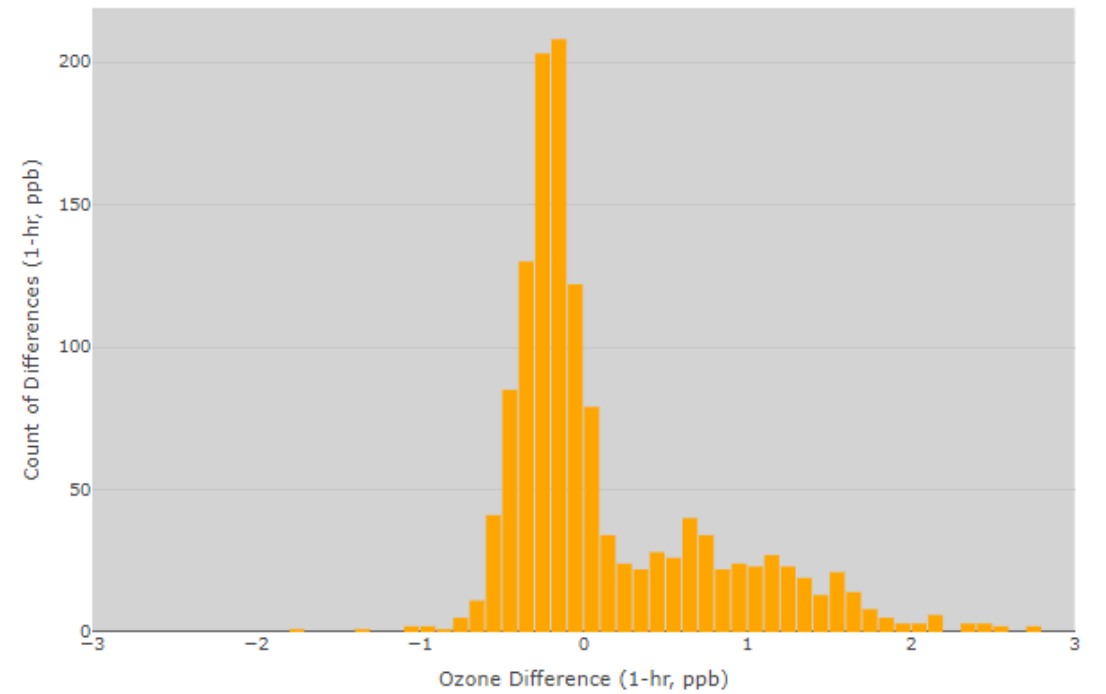
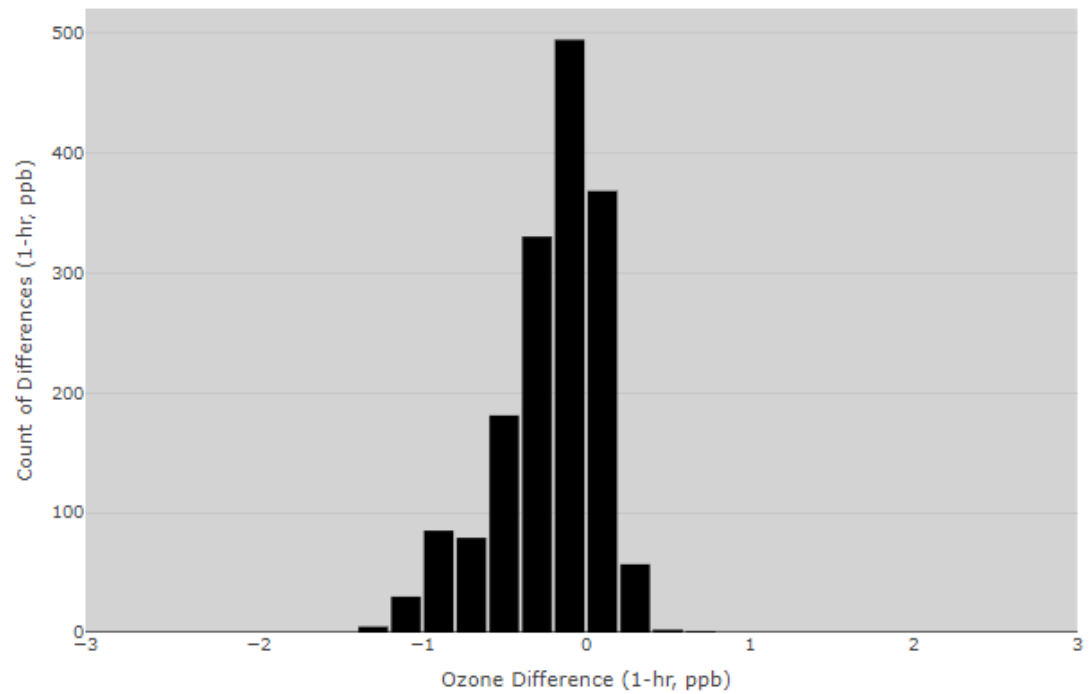


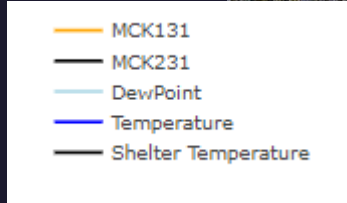
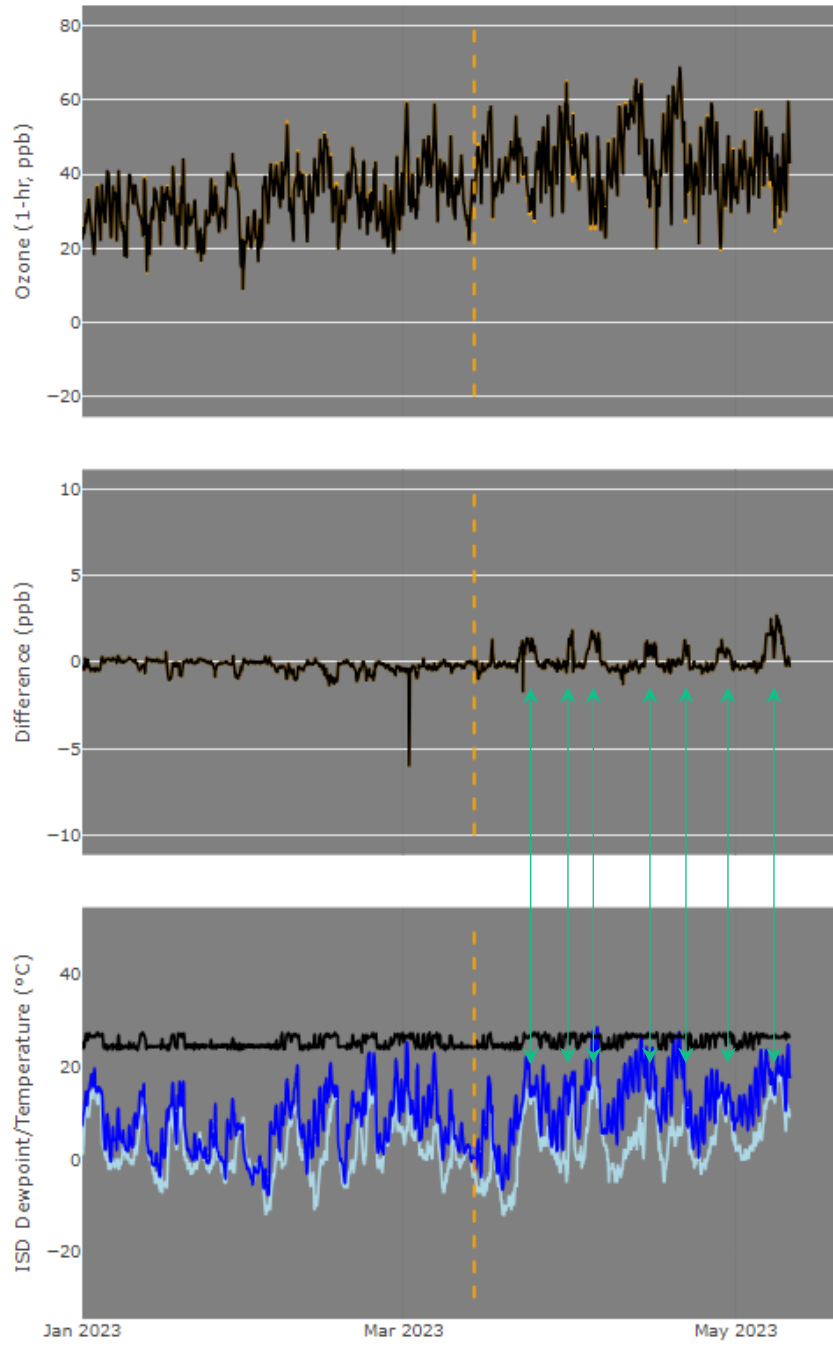


- MCK131
- MCK231
- DewPoint
- Temperature
- Shelter Temperature



Duke Forest, North Carolina



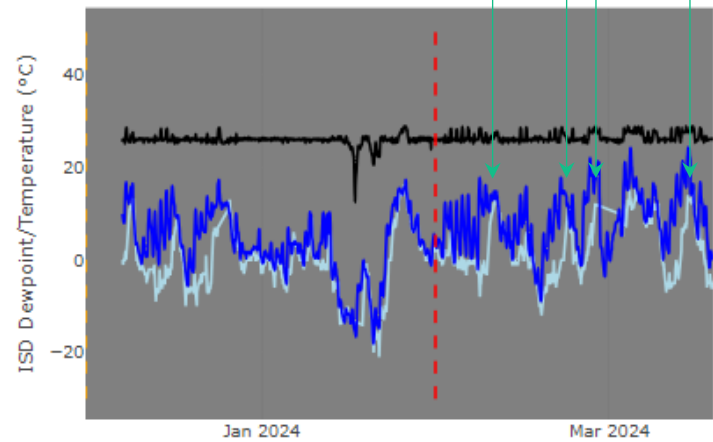
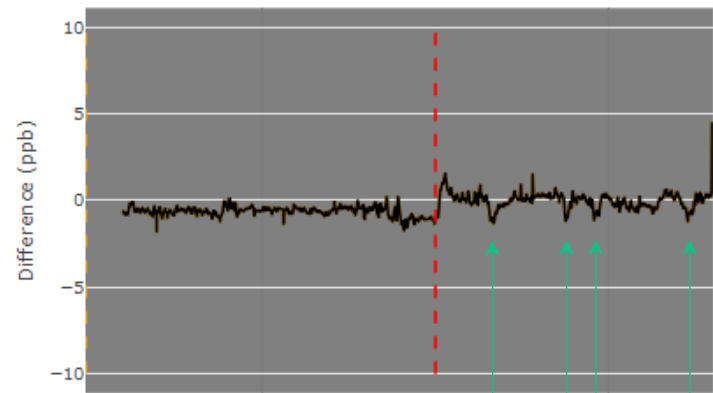
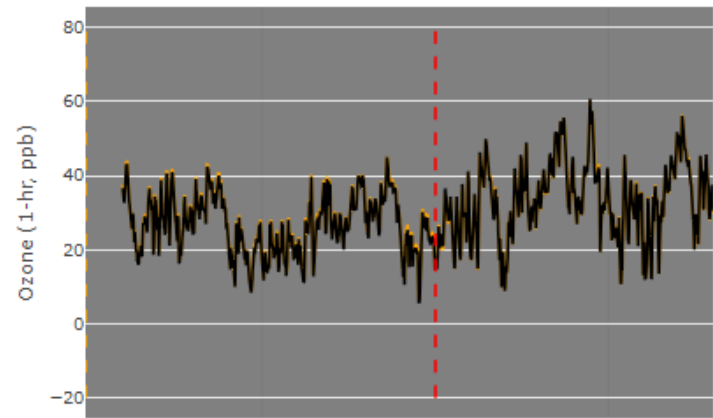


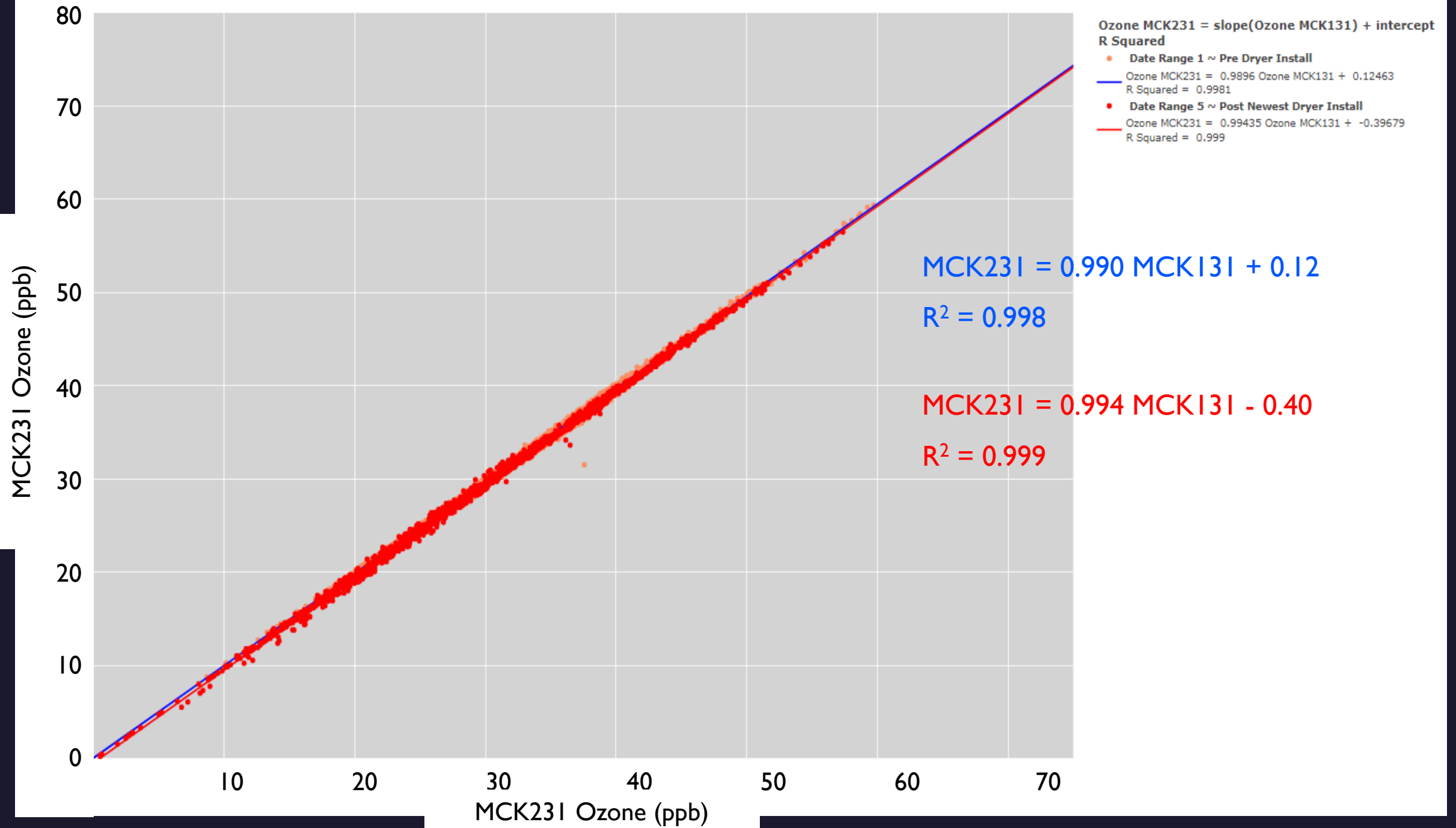
Duke Forest, North Carolina

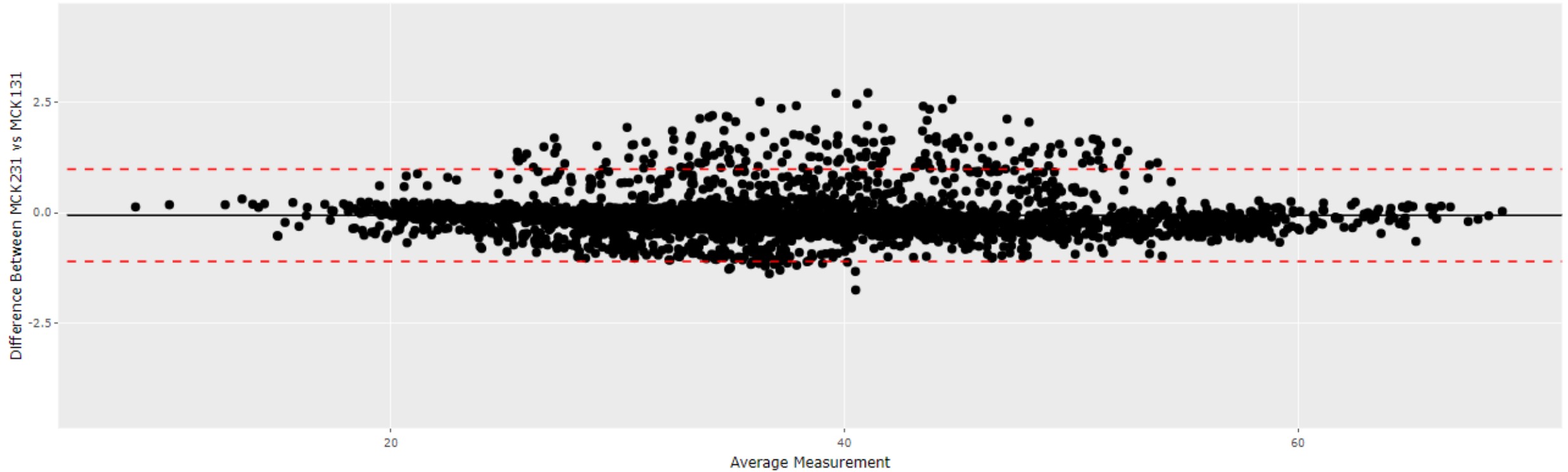


Pindale, Wyoming

- MCK131
- MCK231
- DewPoint
- Temperature
- Shelter Temperature







## Two One-sided Test

95% CI (-0.57, 0.45)

MCK131 mean = 37.9

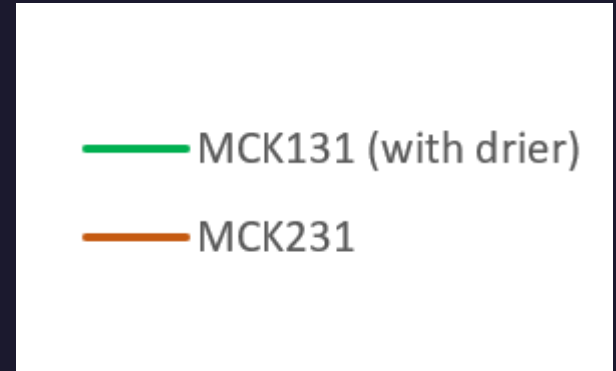
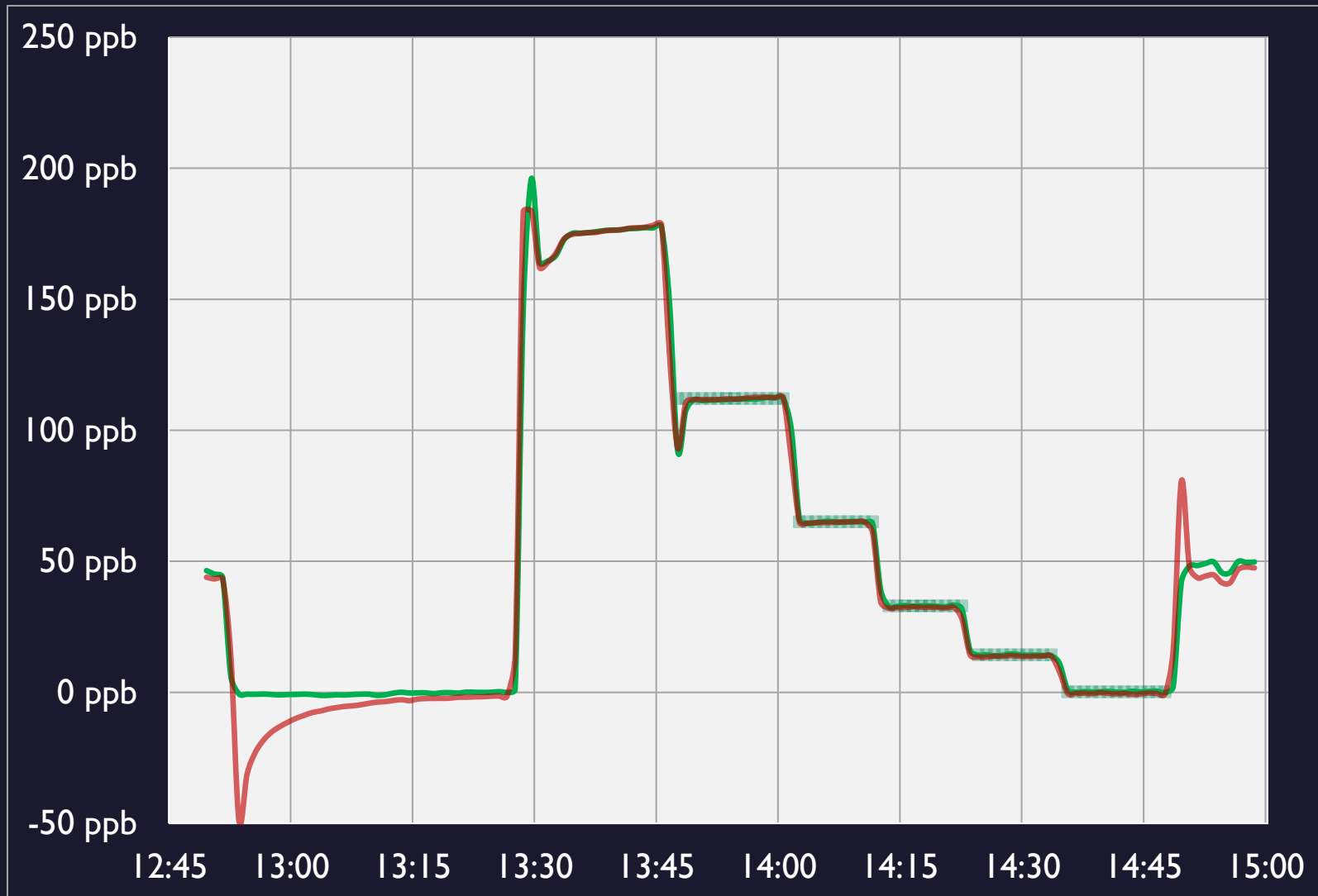
MCK231 mean = 38.0

## F Test

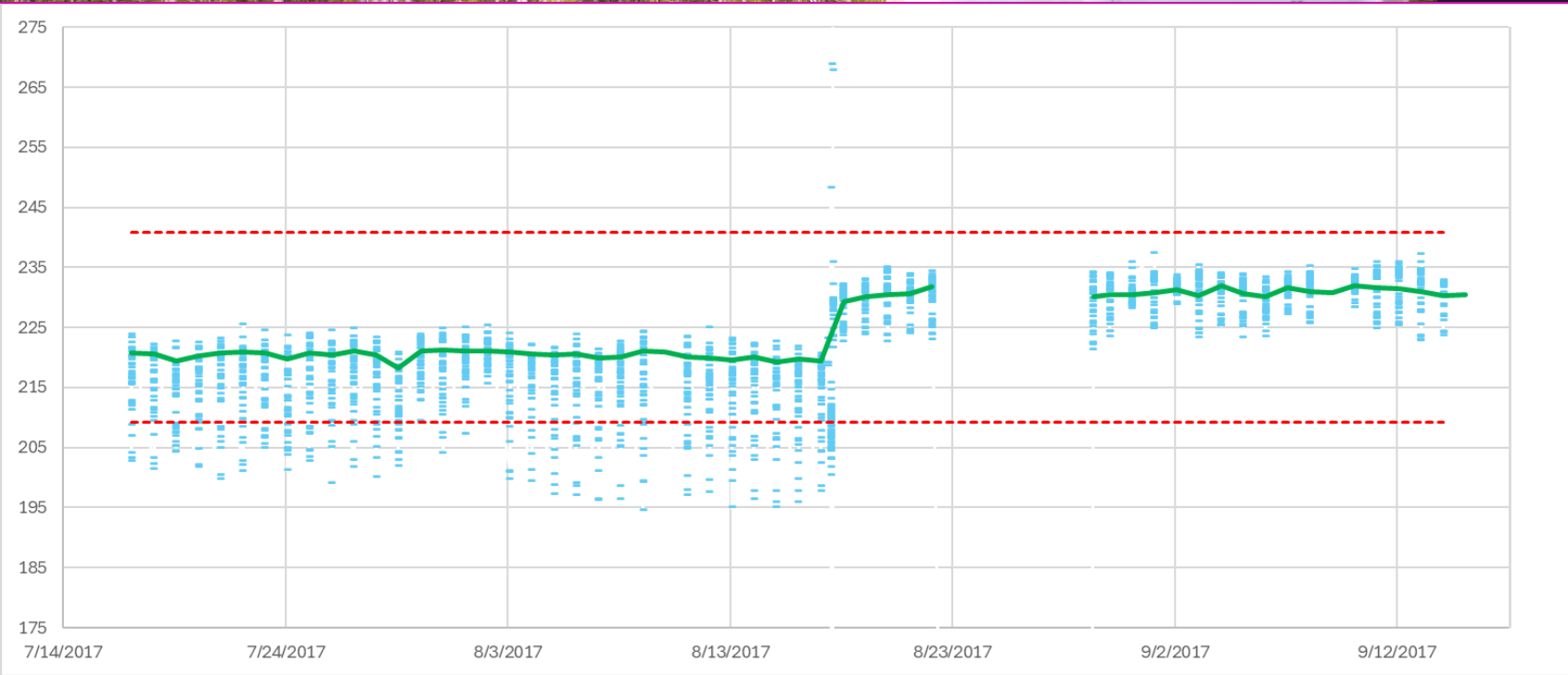
95% CI (0.93, 1.07)

Ratio of variances = 0.998

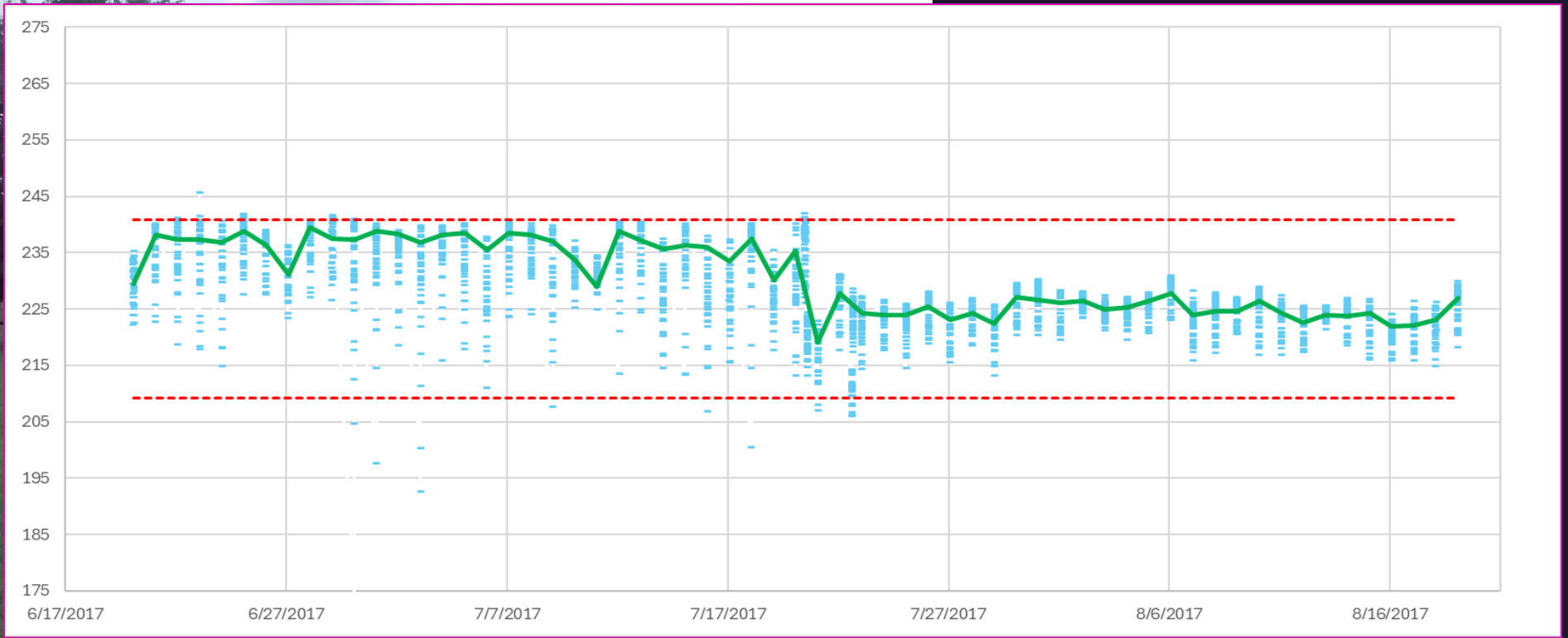
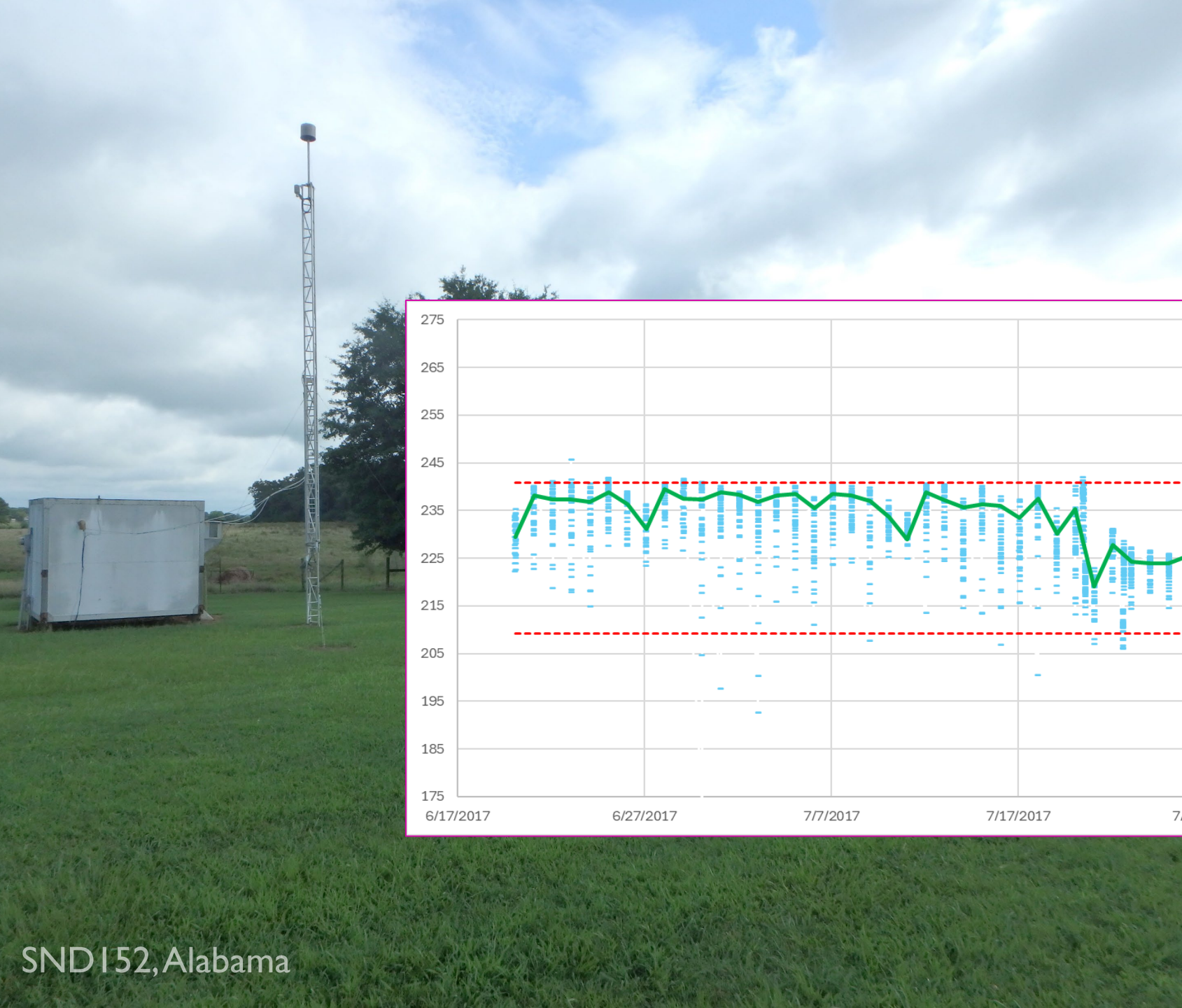
# Independent PE Audit

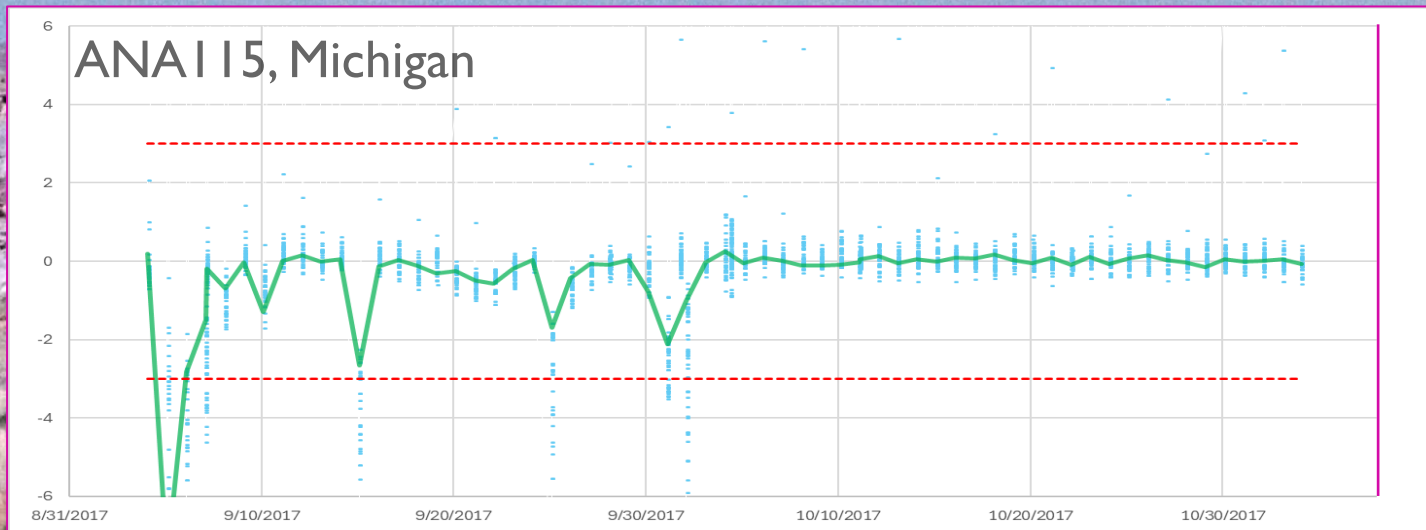
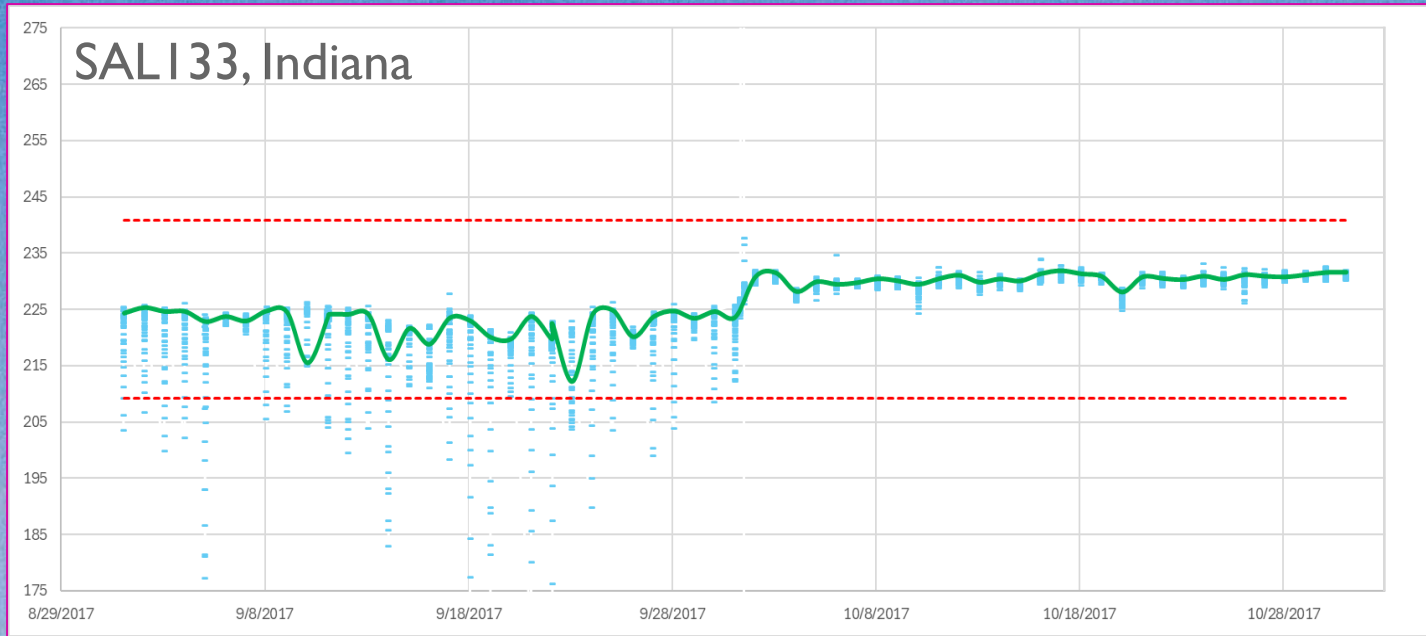


Credit: eems



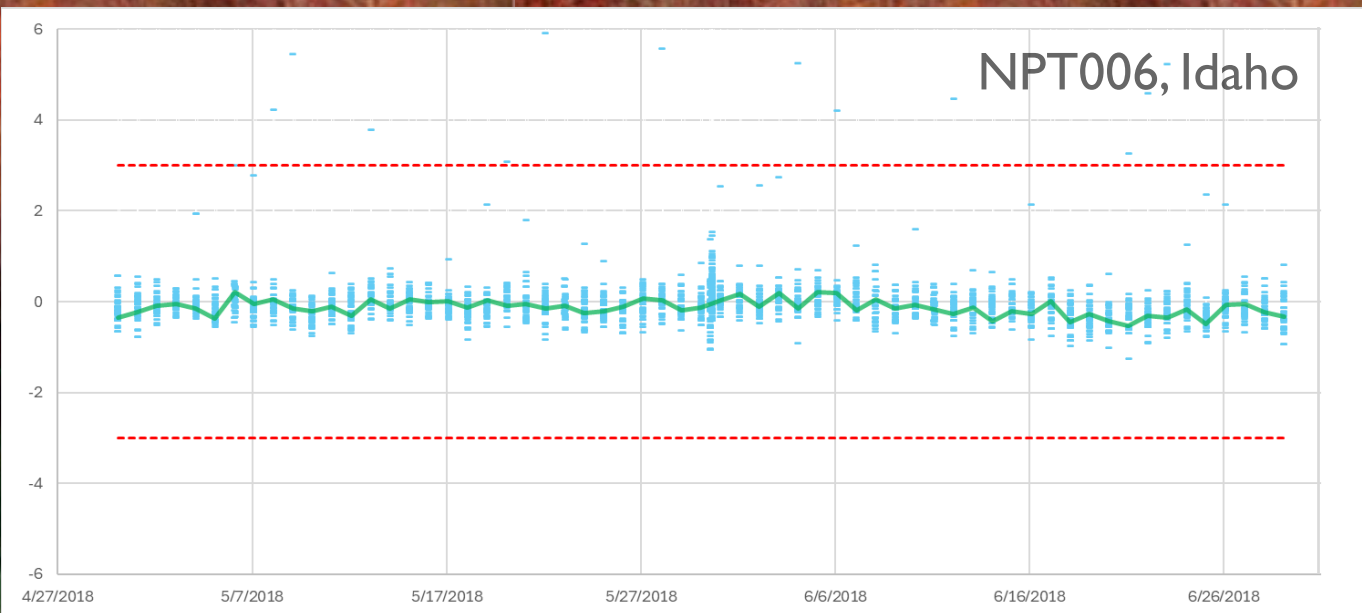
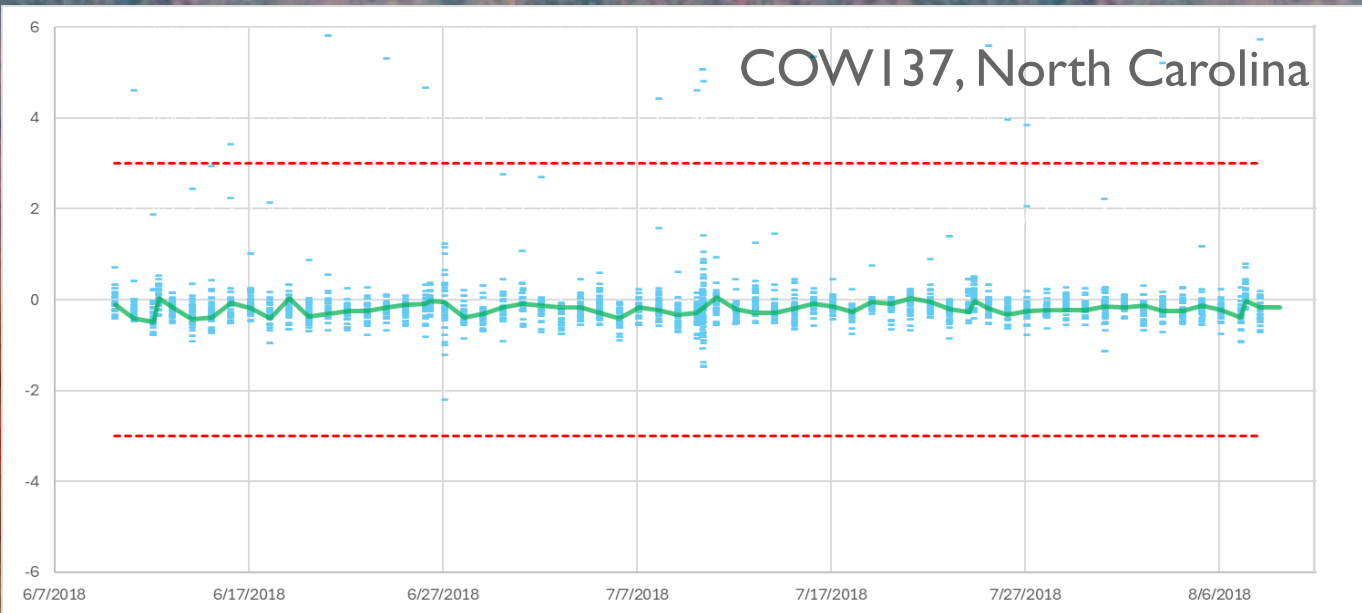








PNF126, North Carolina





BVLI 30, Illinois