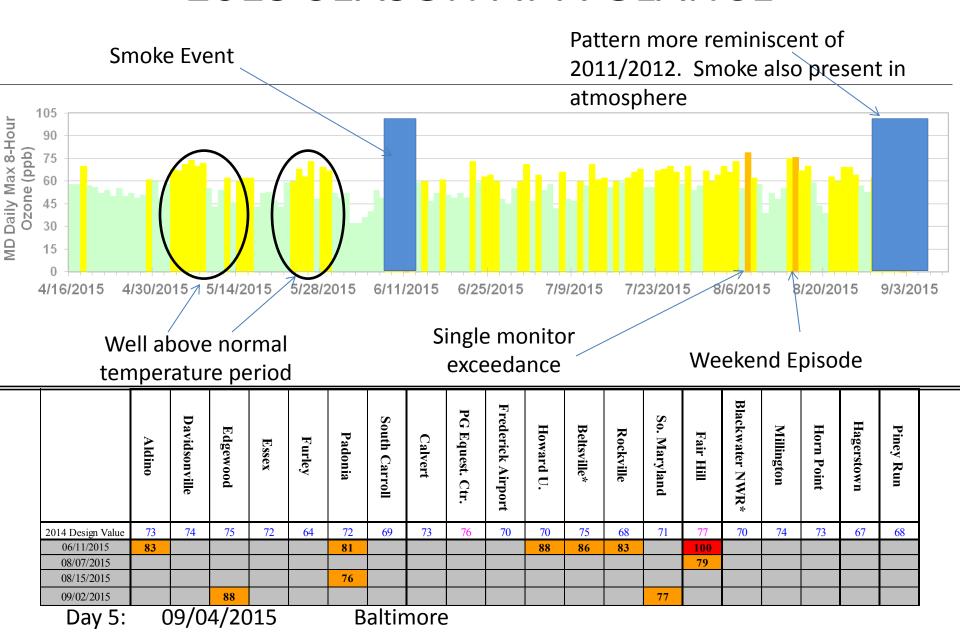
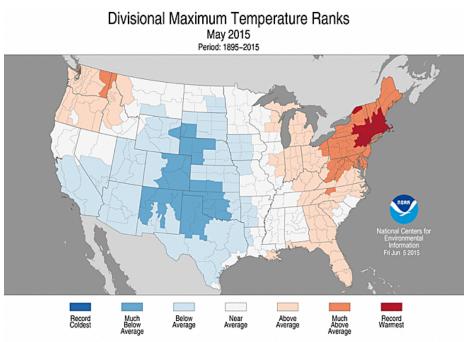
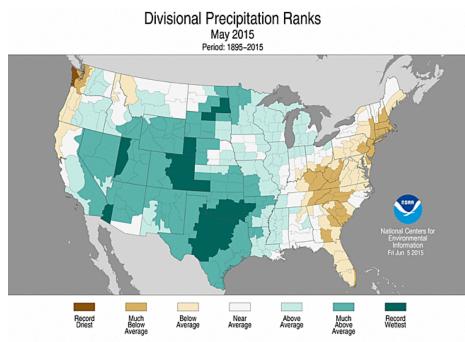


2015 SEASON AT A GLANCE



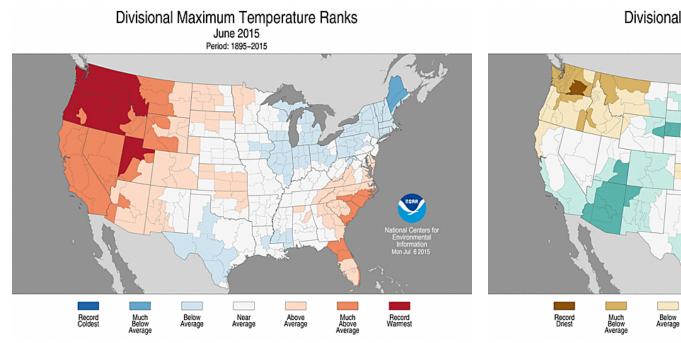
MAY

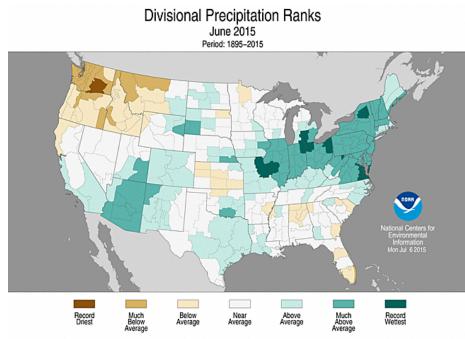




Source: NCDC Temperature and Precipitaiton Maps

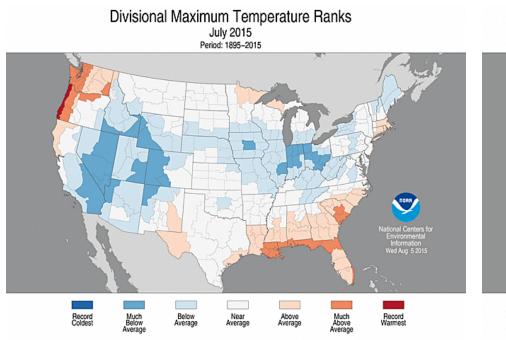
JUNE

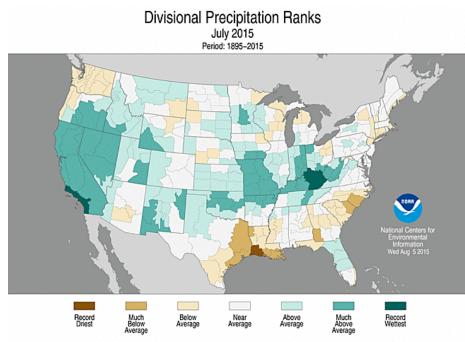




Source: NCDC Temperature and Precipitaiton Maps

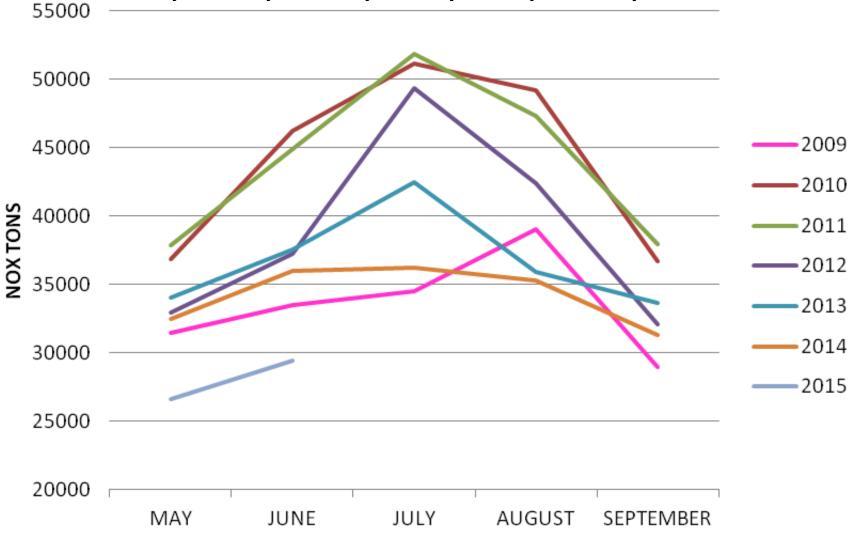
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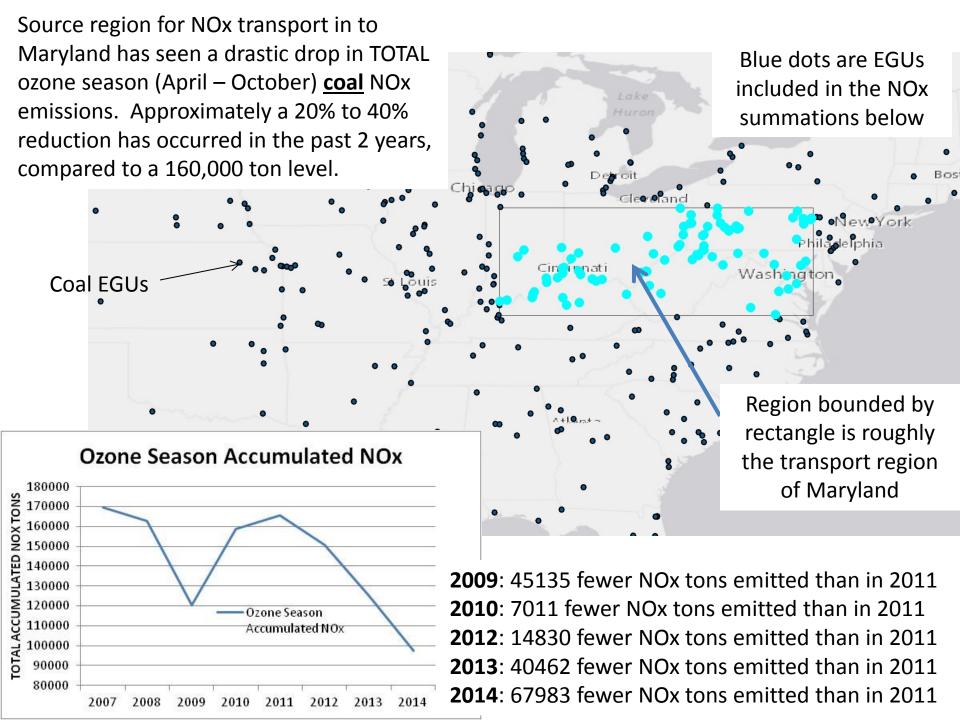


Source: NCDC Temperature and Precipitaiton Maps

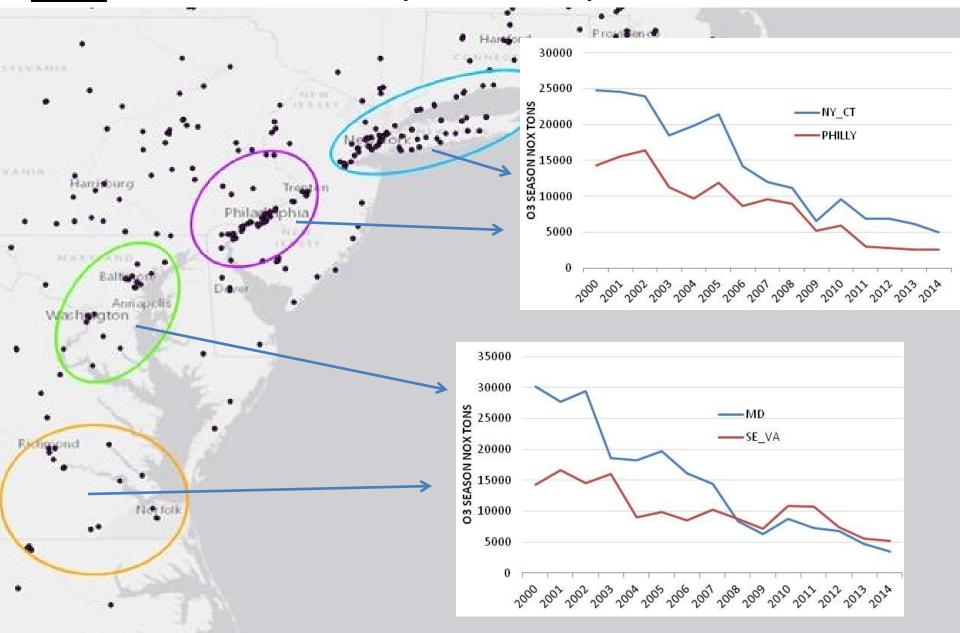
Monthly CAMD Emissions from: IN, OH, WV, VA, PA, MD, DC

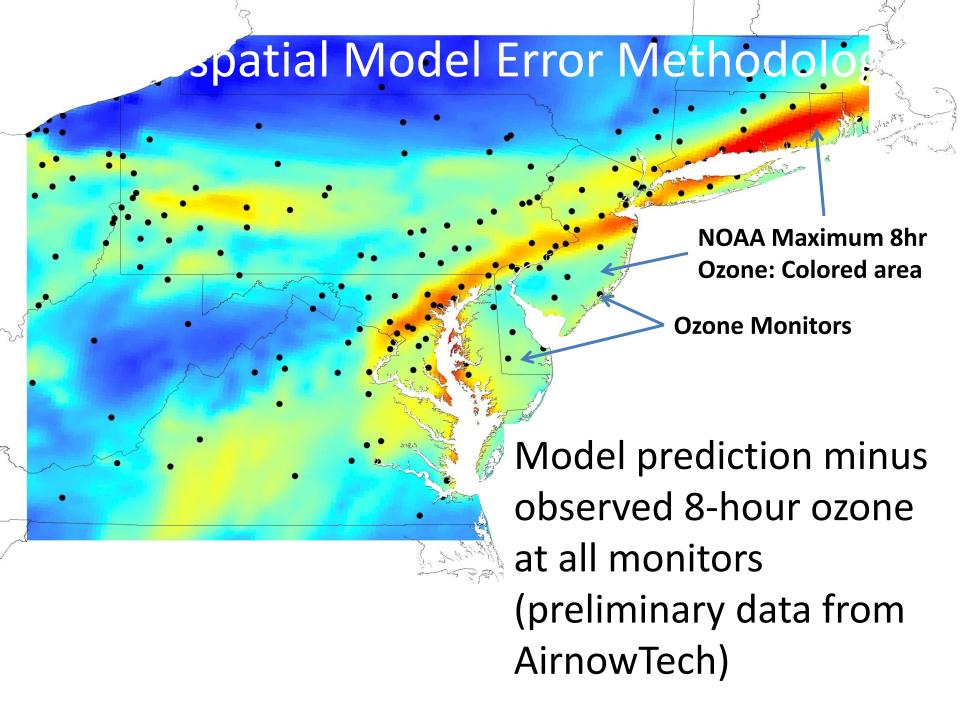


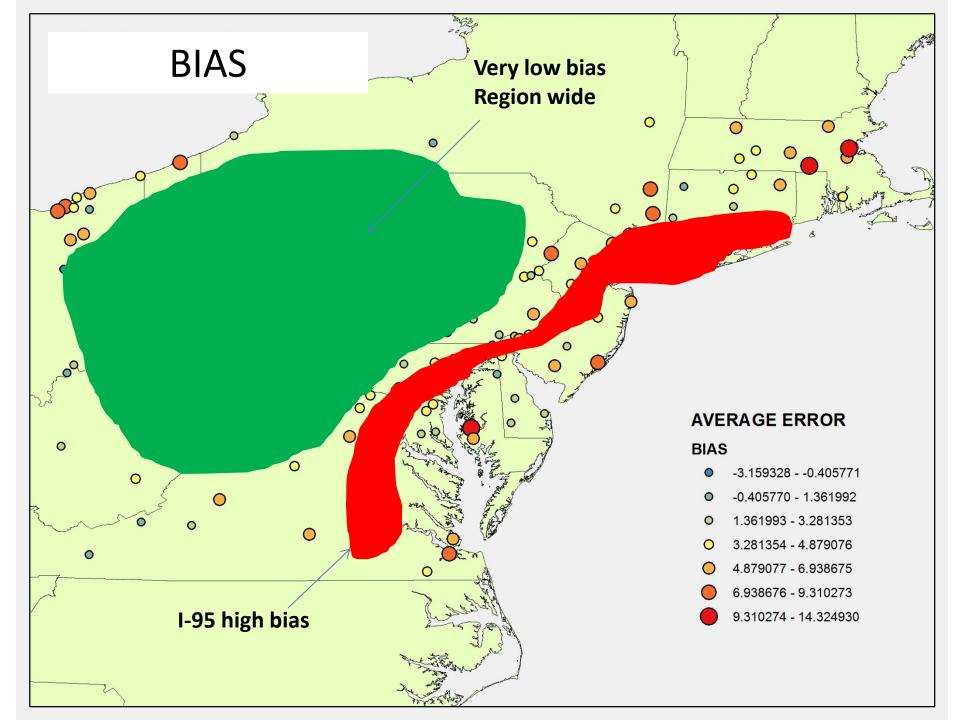
Emissions of Indiana, Ohio, West Virginia, Virginia, Pennsylvania, Maryland and the District of Columbia were summed together on a monthly basis

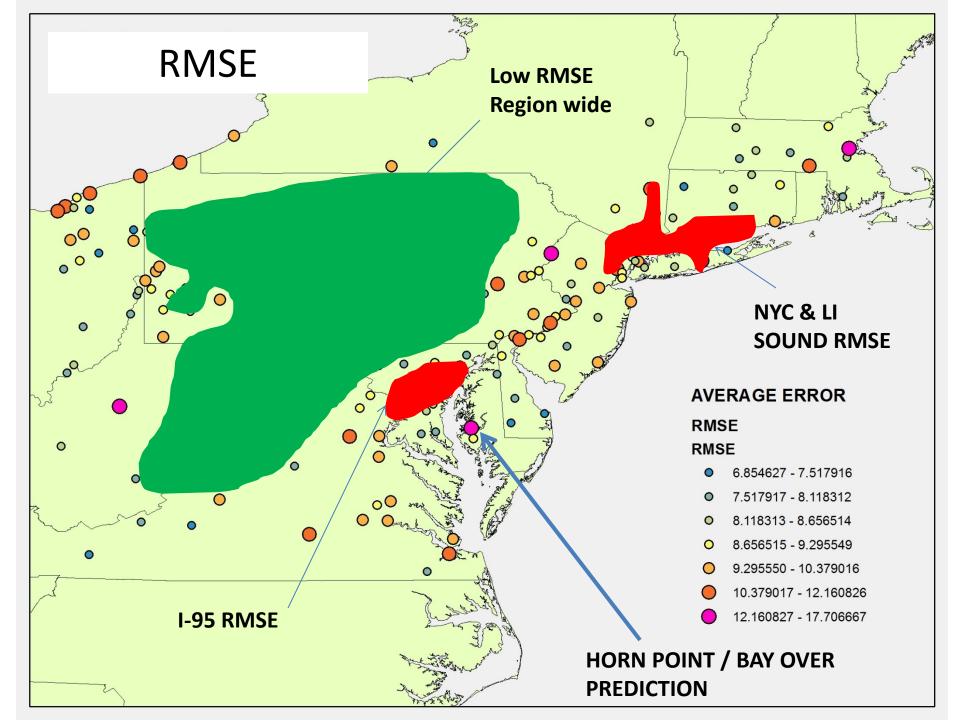


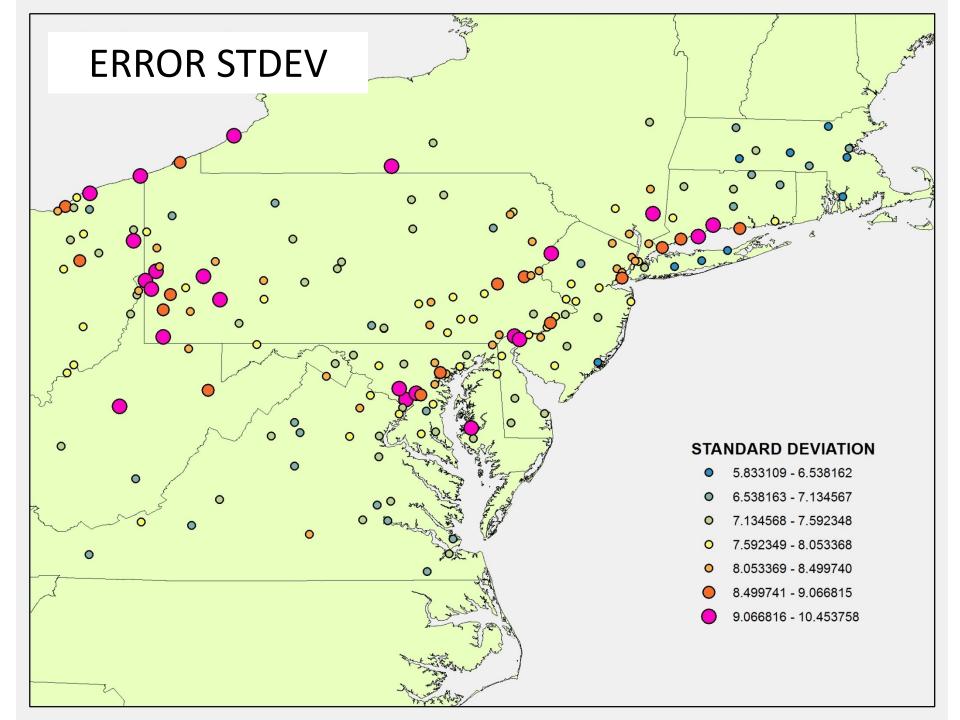
ALL CAMD EGUs (>25MW) NOx Emissions

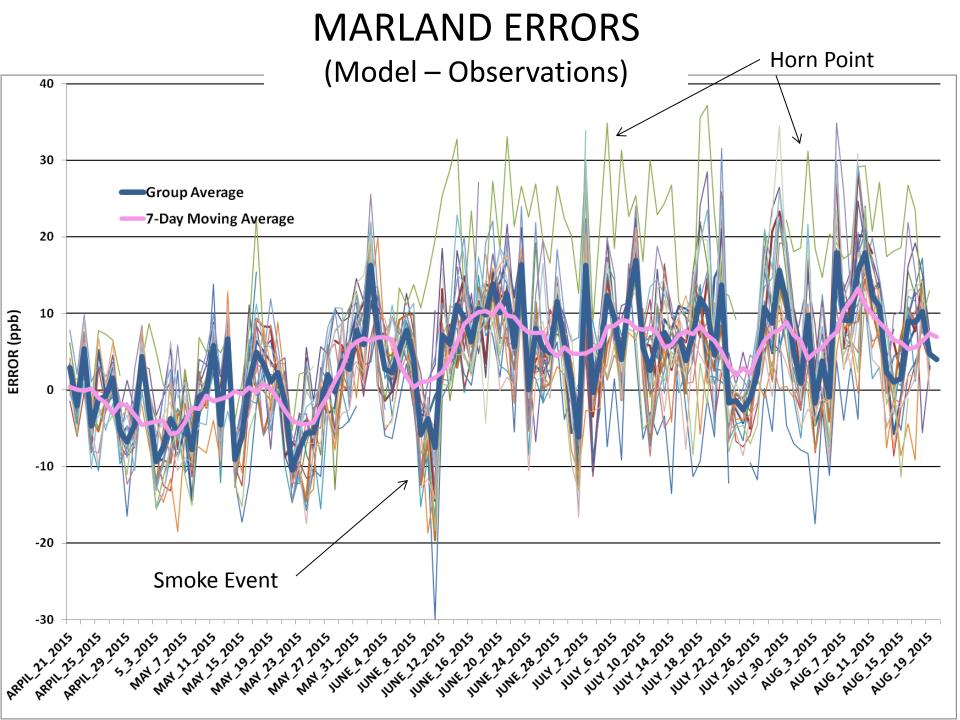


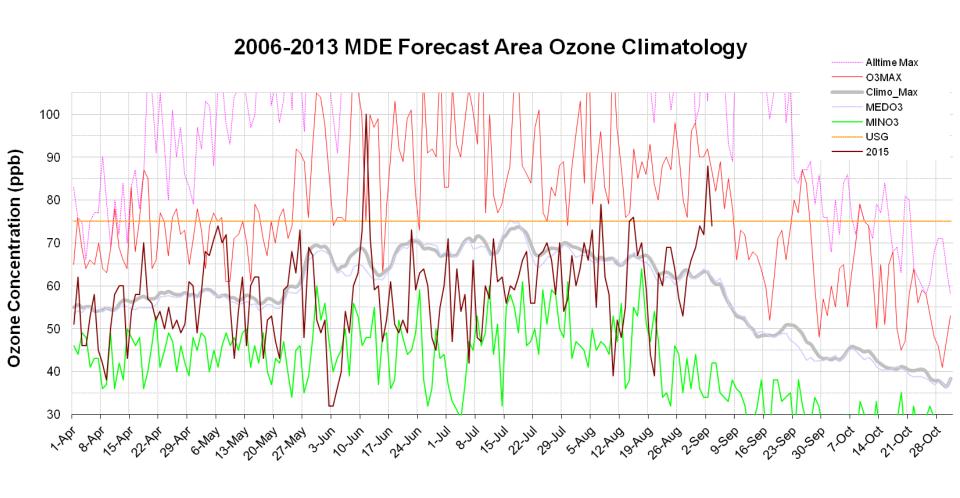


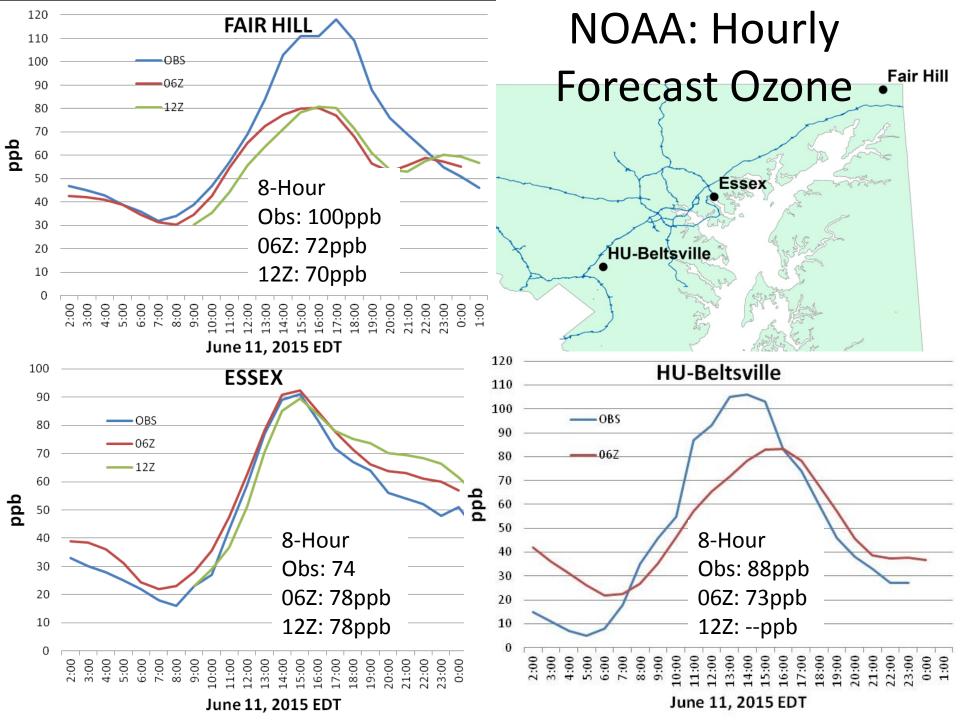




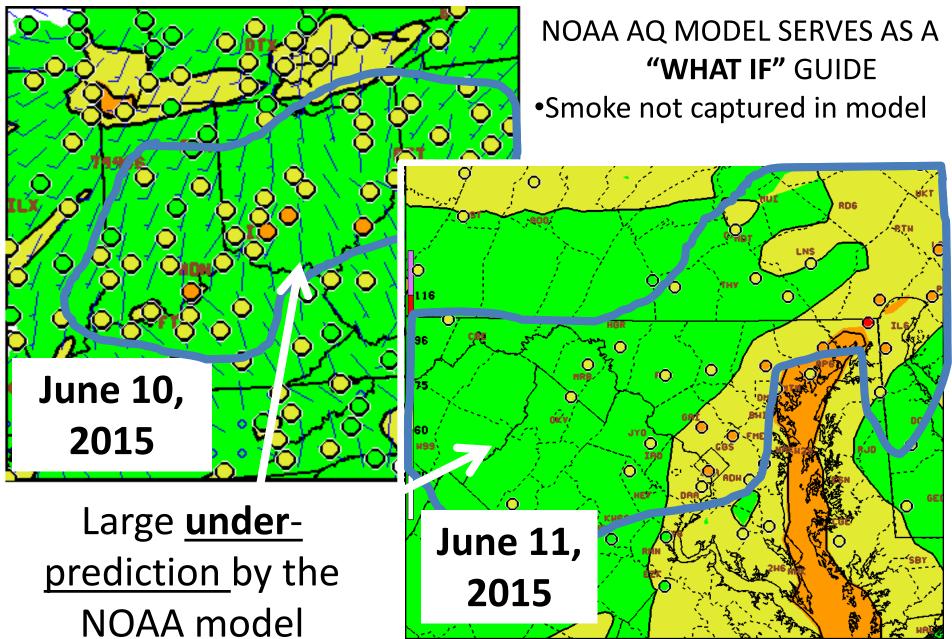


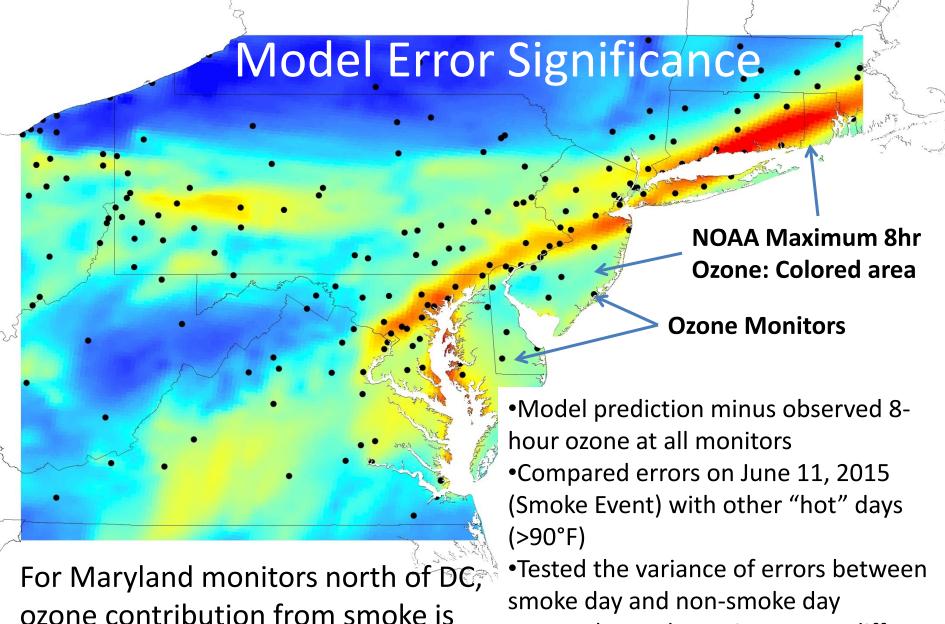






How Much Ozone from Smoke?





ozone contribution from smoke is approximately **14ppb**. **Ohio Error:** 18-21ppb Range: 7.6ppb – 30ppb

•F-test shows the variances are different with statistical significance at the 95% confidence level

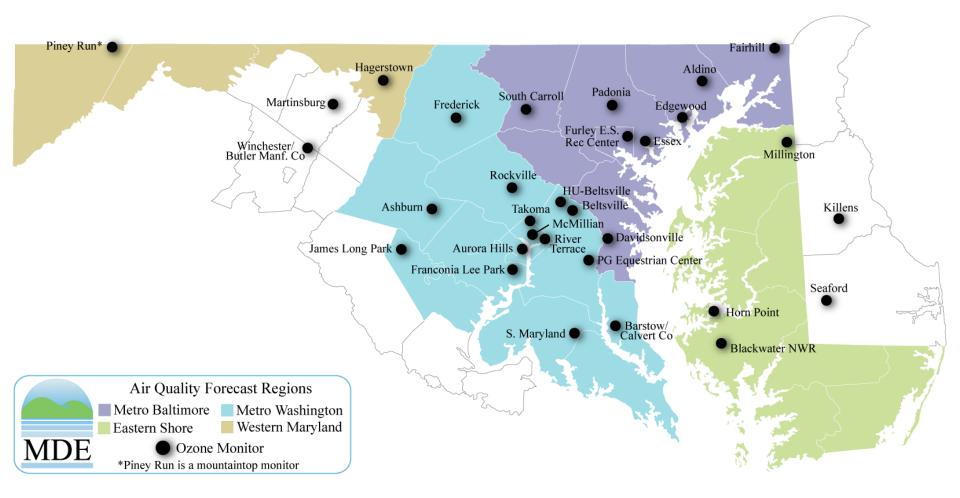


DIRECT FROM THE DIRECTOR

- "..like to use science for policy"... Is the Chesapeake Bay high ozone prediction real or not? Model artifact? Marine vessels? Meteorology?
- MDE is pursuing putting an ozone monitor in the Bay
- The same issues which face the operational model are facing the SIP modelers; (4km on the Bay?)
- Ability to modify the model online and rerun does Maryland exceed or not with new settings?
- Inventory: are smaller generators being modeled? (distributed generation)

APPENDIX

Forecast Regions & Monitors



Essex and Howard University Beltsville

June 11	Max 8hr O3	24hr PAMs (ppbc)	24hr Avg NOX
Essex	75 (74)	89.6	13.5
HU-BLT	88	77.4	10.1



Why did Essex (and Edgewood) not exceed the 76ppb ozone NAAQS standard?

