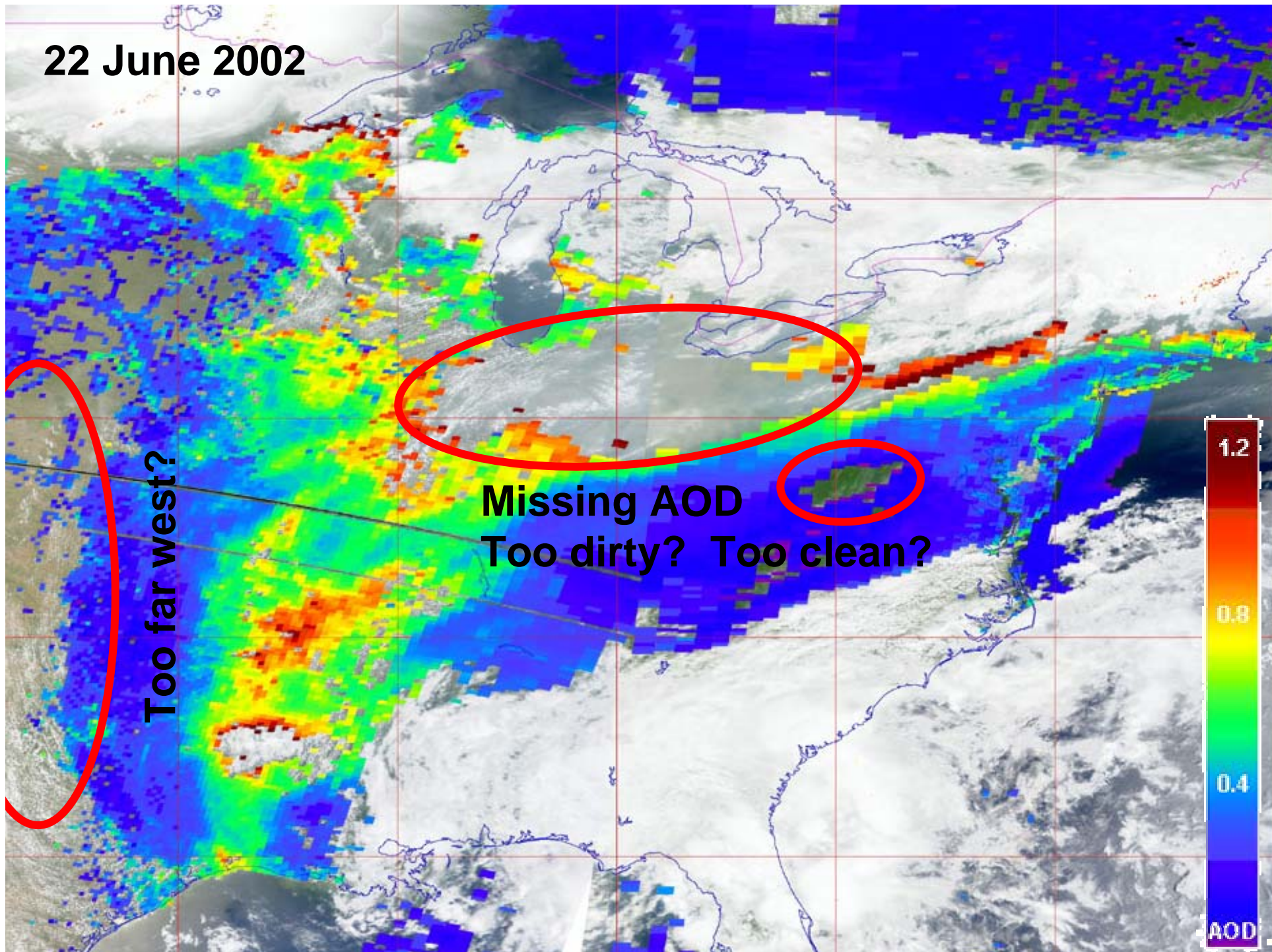
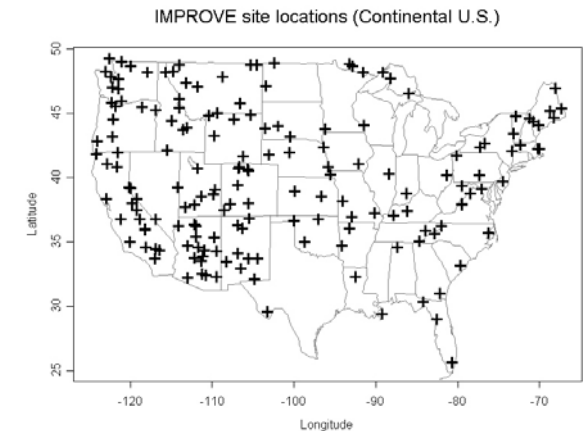
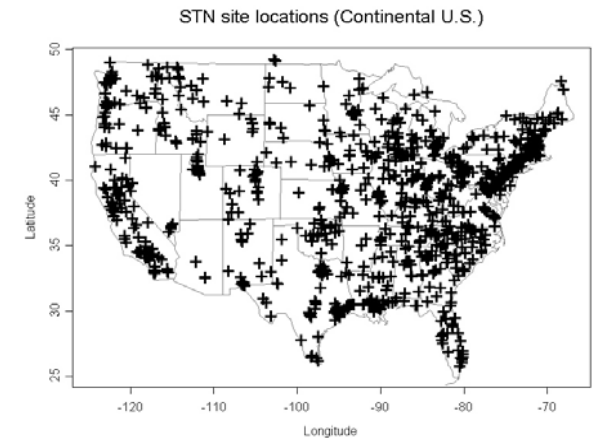


22 June 2002

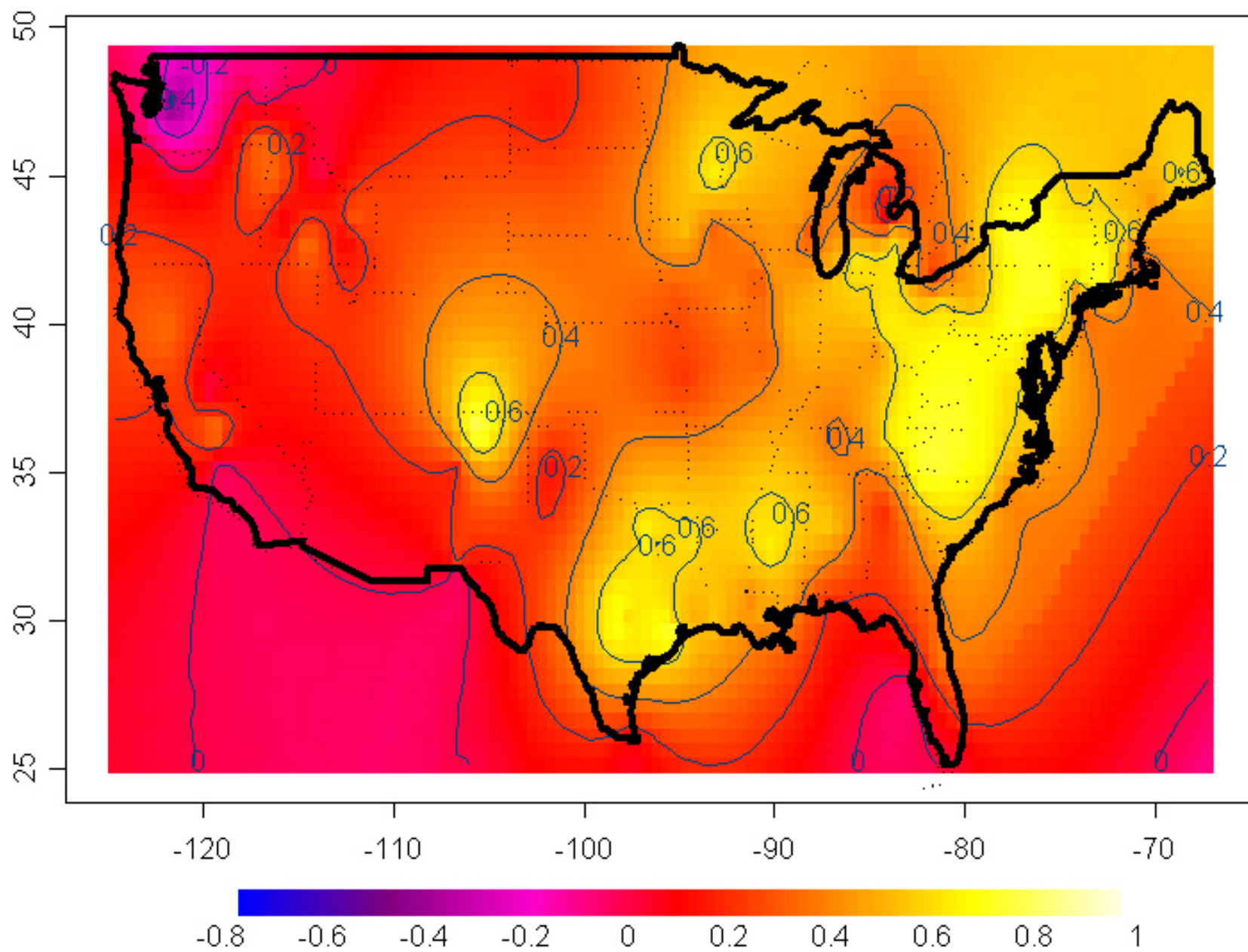


# Quantitative Analysis: $PM_{2.5}$ Concentrations vs. MODIS AOD

- Data Sources
  - Air quality system: Speciation Trends Network and  $PM_{2.5}$  Mass network
  - IMPROVE network
  - NASA MODIS Terra MOD04
- Relationship and correlations vary by
  - Region/Monitor
  - Aerosol model
  - Season



## Correlations between AOD and PM2.5(hourly)



# U.S. Air Quality (The Smog Blog)

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## U.S. Air Quality

The Smog Blog

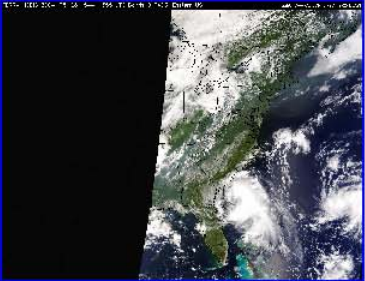


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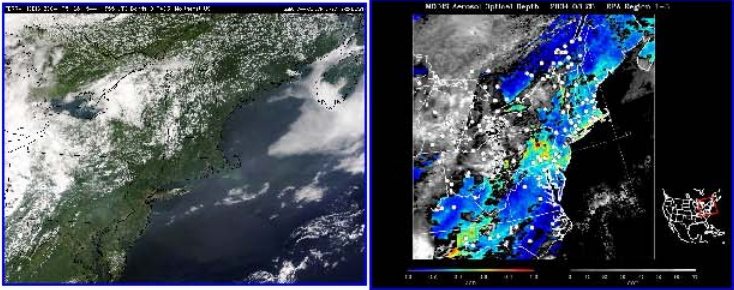
**August 28, 2004**

### EASTERN HAZE

Haze in the northeast and the south today, producing moderate (code yellow) PM<sub>2.5</sub> concentrations across the region.



The northeastern haze can be seen streaming off the coast.



#### About U.S. Air Quality

USAQ is a daily diary of air quality in the U.S. using information from NASA satellites, ground-based lidar, EPA monitoring networks, and other monitors. Interpretation and analysis is provided by the staff of the **University of Maryland, Baltimore County Atmospheric Lidar Group.**

#### Search

Search this site:

#### Recent Entries

- Eastern haze
- No major plume today either
- No major haze in continental U.S. and burning fires in Alaska
- The haze is still moving eastward
- Alaska is still burning
- Haze in the north and east
- Increasing Haze
- Dust storm in southwest
- Hazardous air quality in Alaska
- No major haze

#### Links

- EPA AirNow
- NASA/EPA/NOAA/UW IDEA
- UW MODIS Direct
- NASA MODIS Rapidfire
- NASA Earth Observatory