

# Obscuration Requirements

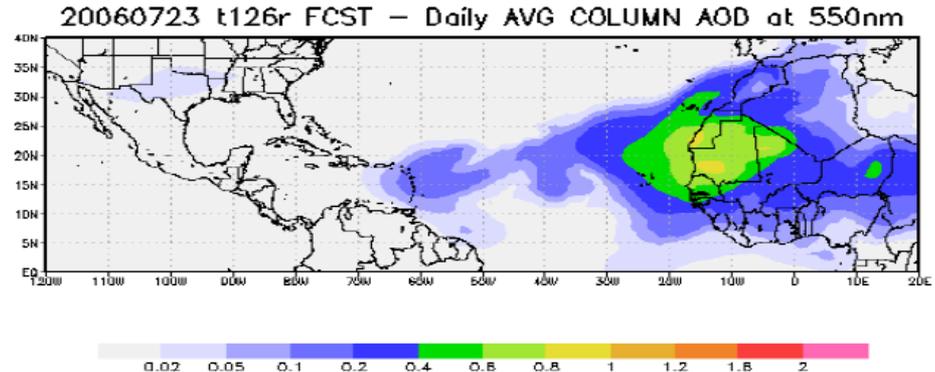
- Obscuration Types
  - Fog
  - Haze
  - Smoke
  - Volcanic ash
  - Low cloud
  - Blowing snow
  - Blowing spray
- Issues
  - Observations
  - Forecasting

# NOAA Aerosol Forecasting Research, Development, and Operations

- Constituents
  - Smoke
  - Dust
  - Sulfate
  - Nitrates
  - Etc.
- Goals
  - Improve weather prediction
    - Improve satellite retrievals
    - Account for impacts on weather (radiation, microphysics)
  - Air quality
  - Aviation
  - Other transportation

# NOAA General Directions

- Directions will be guided by results of ongoing work
- Global
  - Aerosols in weather model
  - Specialized aerosol models?
- Regional
  - Air quality--ozone operation, aerosols in development
  - Weather and air quality—in development
- Partners include NASA, EPA, universities, etc.



Kim, et al.