Recap through September

- **ENVIRON's work focused on:**
  - Role of fires
    - Review of estimation procedures
    - Emission rates and ratios vs. literature
    - Plume trajectories: RAMS vs. MM5
    - Initial/boundary conditions
  - Initial simulations of July 11-12, 1999 using RAMS
    - Very promising, but also under predicting

Recap through September

- **District's work focused on:**
  - Performing QA/QC on CCOS data
    - Aircraft VOC measurements for BC improvements
  - Evaluating MM5-derived met
    - New MM5 simulations
  - Using CAMx to understand causes for ozone under predictions for July/August 2000
    - Many sensitivity simulations
  - Examining temperature fields used for emissions development

Latest Developments

- **Errors found in CCOS measurement database**
- **Sensitivity of emissions to input temperature**
  - ARB/CALMET-hybrid vs. RAMS vs. RAMS-hybrid
- **Issues identified in CCOS emissions**
  - Mobile
  - Biogenic
  - Point sources

Latest Developments

- **Decisions on choice of meteorological model:**
  - Continue to refine MM5 for July/August 2000
    - Winds appear more reasonable than RAMS
    - Higher temperatures needed
  - Continue to refine RAMS for July 1999
    - Only met model progressing for this episode
    - Lower winds needed

Today's Objectives

- Reevaluate modeling inputs
- Identify known and suspected problems
- Discuss their potential impacts on model performance
- Identify resources and staff to fix them
- Reevaluate the schedule

Discussion Questions

- **Database QA/QC**
- **Emissions Inventory**
  - Biogenics
  - On-road mobile
  - Non-road mobile
  - Point source
  - Fire
- **Meteorology**