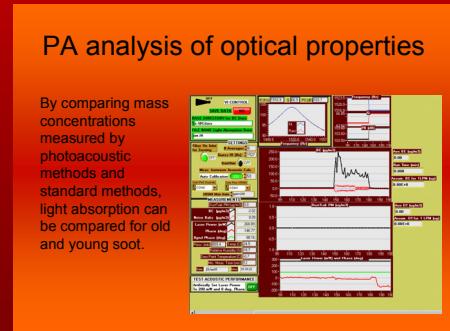
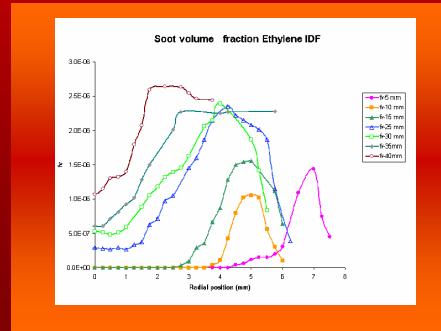
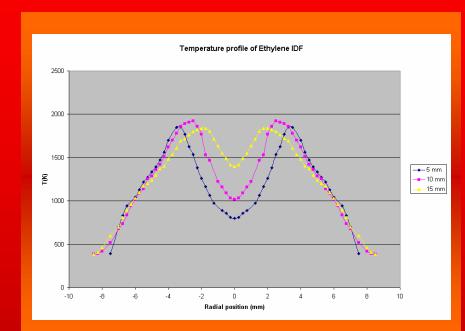
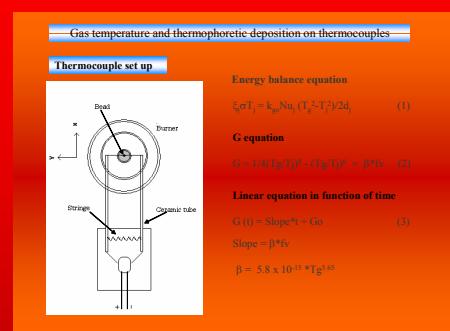
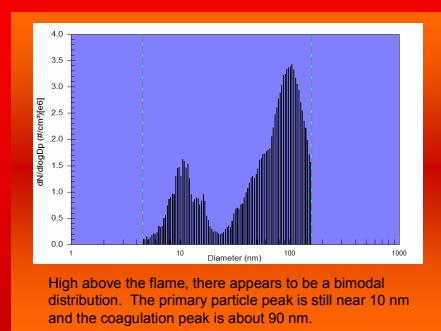
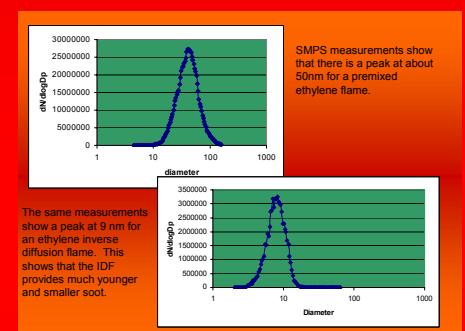
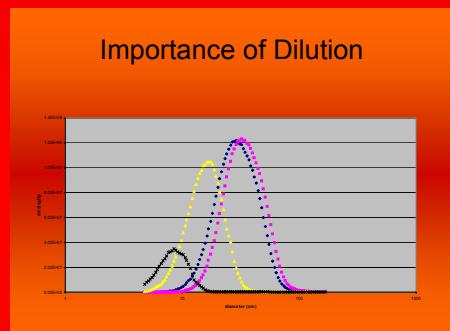
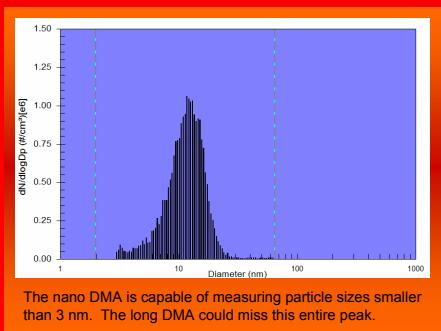
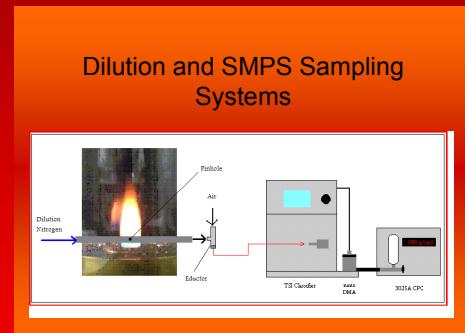
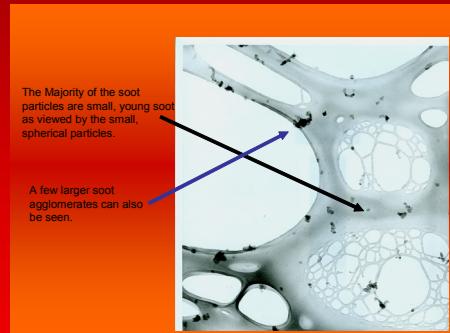
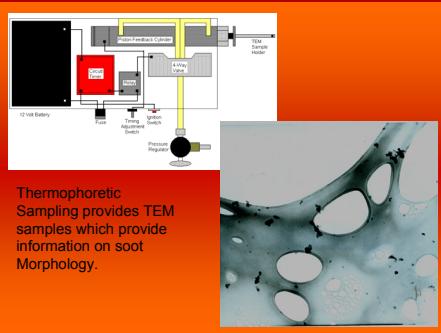


# Characterization of Young Soot from an Inverse Diffusion Flame



Nathan Orton, JoAnn Lighty, Eric Eddings, Adel Sarofim  
Validation Team



- ### Future Work
- SMPS
    - Distributions at different locations and fuel dilutions
  - PA
    - Determination of optical properties
  - TEM
    - Morphology at varying locations and fuel dilutions
  - Thermocouple
    - Repeat temperature and soot volume fraction measurements with improved measurements and calculations
- 
- Detailed description: Two photographs showing laboratory equipment. The top image shows a complex rig with various sensors and a flame. The bottom image shows a close-up of a flame or burner assembly.