



Glenn Research Center

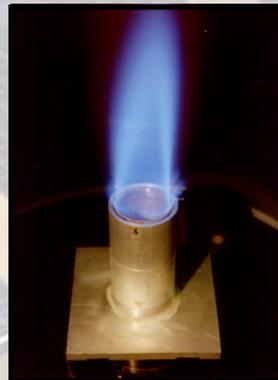


Microgravity Combustion Goals

- **Microgravity combustion**
 - Simplifies the study of combustion phenomena
 - Gain increased understanding and insight for practical benefits
- **Major goals of the microgravity combustion program**
 - Improve combustion efficiencies
 - Decrease pollutant formation
 - Reduce fire hazards, injuries, and property loss
 - Produce high value products



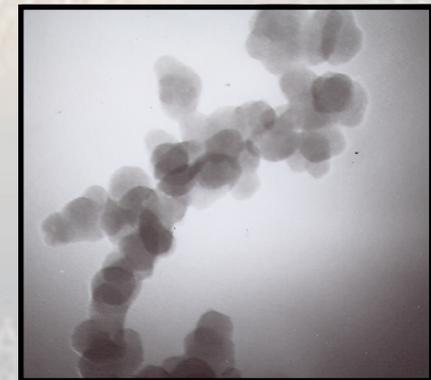
Practical combustor



Low NOx burner



Model validation



Soot micrograph