IN-SITU STUDIES

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Introduction

• Diversity of small bodies
• Science issues-link to science issues section
In-Situ Options

- Space-Qualified instruments currently available.
- Instruments in development or proposed
- In-situ sample processing and preparation
In-Situ Options

• Instrument delivery methods and mechanisms (qualified, in-development, and proposed)
  – Probes
  – Drop packages
  – Anchoring technologies
  – Sub-satellites
  – Autonomous landers
  – Autonomous operations
  – Spacecraft mounted
In-Situ Synergy

• Ground-based laboratory support requirements (*Reggie Hudson and Marla Moore* pointer to document)

• Technology Capabilities and Needs - *John Dankanich*

• Programs to catalyze necessary technology