Summary of FEAT activities during 2006-07
Mark Helper & Art Snoke, Co-chairs
What is FEAT?

FEAT = Field Exploration and Analysis Team

Organizing Committee with expertise in:

Field geology training (A. Snoke, M. Helper)

Apollo Program and ISS astronaut training
(W. Muehlberger, P. Dickerson)

Lunar field work (H. H. Schmitt)

Membership - 50+ and growing

Geologists/Geophysicists (32)

Planetary scientists (12)

+ Apollo trainers (4), current astronauts (2), others
Why start to develop FEAT now?

• Developing field expertise is a cumulative process can not be gained from a few field simulations or “show-and-tell” sessions

• Forging links now between science, operations, and astronaut communities will allow time to develop collective experiences for productive and efficient interactions

• Direct access to details of Apollo geologic training will soon be lost
Near-term Goals

• Foster communication between field geoscientists and field technologists

• Capture wisdom of Apollo Program veterans

• Recruit young field geoscientists

• Assist in the development of a field geologic training program
FEAT’s First Steps

• White Paper - an evolving document that outlines concepts for lunar field work, rationale, equipment, and training needs

• Tempe Field Trip: Demonstration of utility and practice of field geology by providing a field experience for those involved in future planning and implementation

• Input at NAC Tempe Workshop: Recognition of the importance of geological field training for the “Return to the Moon”

• FEAT session at the LEAG Annual Meeting held in Houston, Texas (October 1-5, 2007)
Findings from Tempe Workshop

- Field training for crews and supporting staff are critical.
- Personnel and technology development must be integrated and occur early.
- Field training must include technological tools that will be used in the field.
- Field mobility and field access to remotely sensed data are crucial to rapid hypothesis development and testing.
- Time must be available for documenting, analyzing, and integrating observations and discoveries on a daily basis.
Announcement

FEAT meeting at the GSA Annual Meeting in Denver on Monday, October 29th at 5:45-6:45 PM.