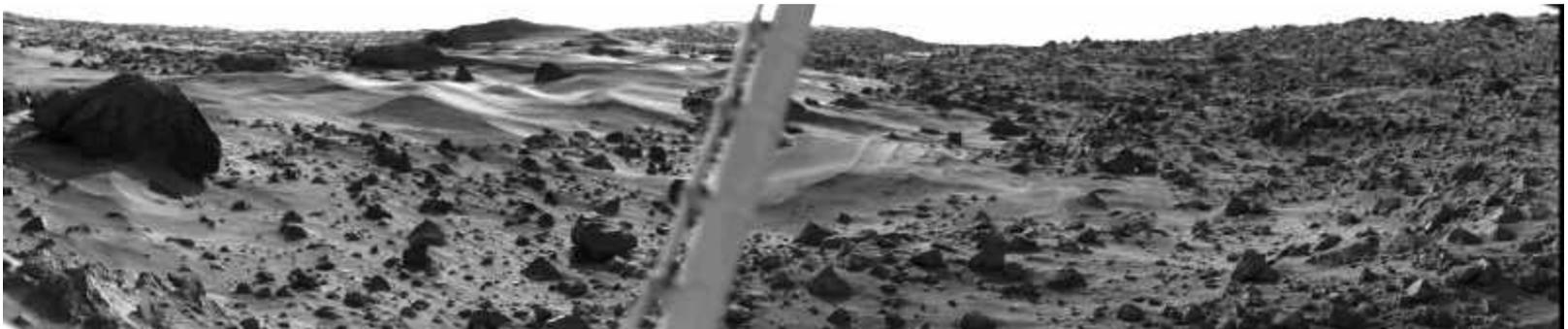


MER Landing Site Workshop

Dr. Jim Garvin

NASA Lead Scientist for Mars



MER Landing Site Workshop: *What we need from SCIENCE*



- Science Advantages, Disadvantages, Risks, and Impact
- General Site Characteristics and models of formation
- Unresolved Scientific Issues
- Site image sample (or sampler)
- Consensus view of top-level comments from this Workshop
- Community-based comments will be welcome as well

What I need from YOU!

- Comprehensive enumeration of scientific strengths, weaknesses, risks, unknowns, issues for *each* site
- Selection of representative images to describe each site
- Consideration of potential modes of origin and how the MER payload will address which is most likely
- Draft “Quad Charts” with consensus listings of the data compiled during this workshop
- YOUR findings will be presented to the Selection official in APRIL!



EXAMPLE “QUAD”

SITE NAME:

- What, Where, Why?
- Potential modes of origin
- Image(s) to describe it :



SCIENCE IMPACT:

- Potential results in context of overall MEP
- Breakthroughs?

ADVANTAGES:

- Why and how MER will resolve key issues
- What we may learn

DISADVANTAGES:

- Science risks
- Other threats and issues
- What if its not what we think

SUMMARY

- This Workshop will provide the **Science Case** for each of the sites
- Your job is to develop the “findings” that will be presented and discussed with Dr. Ed Weiler in April at the Site Selection Briefing
- Science is THE REASON we are flying MER so all of us in the MEP need your help
- I will serve as your spokesperson so please help me make YOUR case for each site:
 - *Ed wants simplified points for his discussion and example images that motivate your findings*