MARS PRESS CONFERENCE

Dr. Edward Stone’s Presentation
Actions

- MANAGEMENT
  - Additional experienced management support in place
  - All lines of communications improved
  - Detailed work plan addresses all recommendations
Actions

• NAVIGATION
  – Augmented navigation workforce
  – Direct interaction with spacecraft team and navigation team member collocated
  – Employing additional navigation techniques
  – Trajectory Correction Maneuver 5 is baselined
• SYSTEMS ENGINEERING
  – Assigned Chief MPL Systems Engineer
  – Formalized operational requirements verification matrix
  – Comprehensive Fault Tree of Entry, Descent & Landing
Actions

• ENGINEERING
  – Significantly increased temperature margin of propulsion system during Descent and Landing
  – Reverified propulsion system operation
Actions

• **PEER REVIEW**
  - Intensive peer review of Entry, Descent, & Landing by JPL principal engineers
  - Navigation Advisory Group and Peer Review Team created
  - Red Team independent close out of all work plan items
  - Doubled size of MPL Review Board
Actions

- MISSION SAFETY
  - Assigned Senior Mission Assurance Manager
  - Revalidating all prior risk assessments
  - Revalidating all software and interfaces