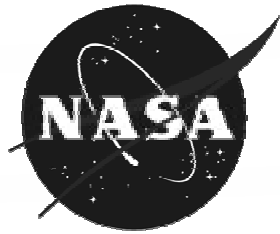




MARS PRESS CONFERENCE

Dr. Edward Stone's Presentation

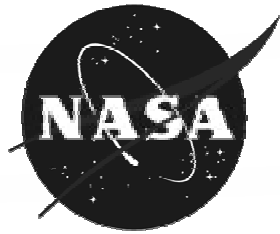


JPL

Actions

- **MANAGEMENT**

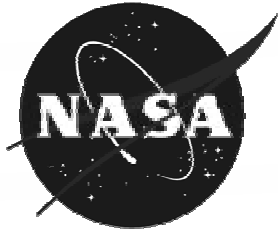
- ✓ – **Additional experienced management support in place**
- ✓ – **All lines of communications improved**
- ✓ – **Detailed work plan addresses all recommendations**



JPL

Actions

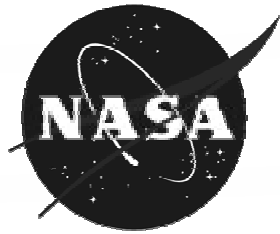
- **NAVIGATION**
 - ✓ – **Augmented navigation workforce**
 - ✓ – **Direct interaction with spacecraft team and navigation team member collocated**
 - ✓ – **Employing additional navigation techniques**
 - ✓ – **Trajectory Correction Maneuver 5 is baselined**



JPL

Actions

- **SYSTEMS ENGINEERING**
 - ✓ – **Assigned Chief MPL Systems Engineer**
 - ✓ – **Formalized operational requirements verification matrix**
 - ✓ – **Comprehensive Fault Tree of Entry, Descent & Landing**



JPL

Actions

- **ENGINEERING**

- ✓ – **Significantly increased temperature margin of propulsion system during Descent and Landing**
- ✓ – **Reverified propulsion system operation**



- **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**