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Panel Session II - Kennedy Space Center Return to Flight Activities

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KSC Return To Flight Activities
Space Congress 2004

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NASA, Kennedy Space Center
April 27, 2004

Return To Flight...Our #1 Priority

New KSC Organization

CAIB Recommendations

3.2-1 ET Thermal Protection Sys Mods
3.3-4 RCC Database
3.3-2 Orbiter Hardening
3.4-1 Ground Based Imagery
3.4-3 On-Vehicle Ascent Imagery
3.8-1 RCC Spares
4.2-1 Solid Rocket Booster Bolt Catcher
4.2-3 Closeout Inspection
6.2-1 Scheduling
10.3-1 Digitize Closeout Photographs

http://science.nasa.gov/realtime/
Raising The Bar

SSP-1 Quality Planning and Requirements Document/Government Mandated Inspection Points
*SSP-2 Public Risk of Overflight
SSP-3 Contingency Shuttle Crew Support
*SSP-4 Acceptable Risks Hazards
*SSP-5 Critical Debris Sources
*SSP-6 Waivers, Deviations, and Exceptions
*SSP-7 NASA Accident Investigation Team Working Group Findings
*SSP-8 Certification of Flight Readiness Improvements
*SSP-9 Failure Mode and Effects Analysis/Critical Items Lists
SSP-10 Contingency Action Plans
SSP-11 Rudder Speed Brake Actuators
SSP-12 Radar Coverage Capabilities and Requirements
SSP-13 Hardware Processing and Operations
*SSP-14 Critical Debris Size
*SSP-15 Problem Tracking, In-Flight Anomaly Disposition, Anomaly Resolution

Return To Flight Status
OV-103 Discovery

Key Activities
- Reinforced Carbon-Carbon Panel Remove/Replace
- Rudder Speed Brake Actuator Remove/Replace
- Enhanced Launch Vehicle Imaging System (ELVIS)
  ET camera, ET observation Camera, SRB observation
- ET Bipod Heater Redesign
- Return to flight instrumentation
- Inspection Boom and instrumentation
- Flexhose Inspection/Replacement

To The Moon, Mars, and Beyond...
President George W. Bush, Jan 14, 200