



Tile repair successful, mission crew completes other EVA goals

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▲ **Mission Update:** On Wednesday, STS-114 Mission Specialist Stephen Robinson removed gap fillers that were protruding from two areas between heat-shielding tiles on Discovery. Robinson gently tugged the protrusions until they came out.

The repair efforts required teamwork: Fellow spacewalker and Mission Specialist Soichi Noguchi provided communications and visual support to Robinson and flight controllers. Mission Specialist Andy Thomas is the spacewalk coordinator. Pilot Jim Kelly and Mission Specialist Wendy Lawrence were the spacewalk's Station robot arm operators.

Before the arm removed him from the underbelly area, Robinson took pictures of the heat shield for analysis by engineers.

In other spacewalk activities, Noguchi and Robinson attached the External Stowage Platform-2 onto the Station's Unity Node and attached a materials exposure experiment to the Station.

This is the third STS-114 spacewalk and the 61st spacewalk dedicated to Station assembly and maintenance.

Other mission activities included an inspection of the repair demonstration tiles inside the Shuttle's payload bay using the Orbiter Boom Sensor System. Also, cargo stowage is continuing inside the Station.

▲ MRO Launch Coverage:



Kennedy Space Center's Internet broadcasting network, NASA Direct, is featuring a prelaunch webcast and launch day coverage of the Mars Reconnaissance Orbiter (MRO) mission. The launch is set for Aug. 10 from Cape Canaveral Air Force Station, with a launch opportunity from 7:54 to 9:39 a.m. All coverage can be viewed through the NASA portal Web site at

http://www.nasa.gov/mission_pages/MRO/main/index.html.

Web coverage begins 10:30 a.m. Aug. 9 with a prelaunch webcast overview of the MRO mission. The webcast includes informative interviews and a question-and-answer session, with experts highlighting the spacecraft, science of the mission, and what they hope to learn from the orbiter's observations above, on and below the Martian surface.

Live launch coverage begins at 5:30 a.m. Aug. 10 from the Virtual Launch Control Center, with constant updates throughout the countdown.

Tiffany Nail, KSC Launch Services support specialist, hosts the program on the MRO mission, science and technology.

■ **Technology Exposition** — The Information Technology Directorate is sponsoring a Technology Exposition from 10 a.m. to 2 p.m. Aug. 16 – 17 in the O&C Building Mission Briefing Room. Free refreshments will be served. Many exhibitors will demonstrate the latest in critical servers, networks, computer equipment and evaluation tools, communication technology, recording tools, system integration, management software, training and IT support and communication solutions, audio-visual presentation products, imaging accessories, video conferencing integration, systems and storage, office equipment and much more.

■ **Did You Know? You still have time to enroll for the fall term at Webster University.** Classes begin Aug. 13. If you are interested in pursuing your degree, please send an e-mail to Carol Marx at marxc@webster.edu with your name, address and phone number, or call 449-4506. In most cases, the GMAT and GRE are not required for admission into Webster University. Please pass this information along to a friend or co-worker who may also be interested. For further information about Webster University, visit the Web site at www.webster.edu/spacecoast or call 449-4500.