



## Discovery gets new tires, techs inspect tiles

▲ **Shuttle Update:** In Orbiter Processing Facility Bay 3, technicians installed and torqued new flight tires on Discovery (below). Other work included inspecting tile repairs.



▲ **ELV Update:** On Oct. 24, Hurricane Wilma damaged the specially built fabric Megadoor that covers the large opening of the Vertical Integration Facility at Launch Complex 41 that houses the Atlas V. The Atlas V rocket and some ground support equipment were slightly damaged. There were no injuries. NASA and Lockheed Martin engineers and technicians are assessing the damage and the recovery process, including door repair options, to confirm the continued ability to support the launch.

The New Horizons spacecraft was returned to a work stand inside the Payload Hazardous Servicing

Facility. It was removed from the protective shipping container, where it had been placed before the hurricane. The spacecraft's outside surfaces are being cleaned.

■ **Spacewalk Briefing** — The first spacewalk for the Expedition 12 space station crew is the subject of a 2 p.m. EST media briefing **today** from NASA's Johnson Space Center in Houston. It will air live on NASA TV with questions taken from media at participating NASA centers.

■ **NASA Science** — According to Murphy's law, whatever can go wrong, will go wrong, and this presumably applies on Mars as well as Earth. So if things go wrong on Mars, are we ready for them? What do we need to know about Mars before we send people there? A NASA report lays out the risks of exploring Mars and considers how to mitigate them. Read the full story at [http://science.nasa.gov/headlines/y2005/28oct\\_mepag.htm?list29875](http://science.nasa.gov/headlines/y2005/28oct_mepag.htm?list29875).

■ **Education Opportunities** —

- *Florida Institute of Technology* offers the MBA, the MBA with concentration in acquisition and contract management, the MBA with concentration in accounting track, and the MS in engineering management. Applications are being accepted for the spring semester running Jan. 9 through final exam week of May 1, at the College of

## New Horizons launch awaits damage assessment to pad facility

Business located on KSC at The Center for Space Education, Building AMF M6-306, and at Patrick Air Force Base. Contact Sharon Anderson at [sanderso@fit.edu](mailto:sanderso@fit.edu) or call 453-2030 for additional information.

- The *University of Miami* (Cape Canaveral Programs) is accepting applications for the MS degree in management of technology starting in February and the MS degree in industrial engineering starting in March. Both programs will be taught in Cape Canaveral. Courses are held Friday evenings and Saturdays to accommodate working professionals. For more information and to receive an application/brochure, please call Augusto Roca, program administrator, at 305-284-4100 or send e-mail to [augusto@miami.edu](mailto:augusto@miami.edu).

■ **Did You Know?** NASA and Zero Gravity Corporation (ZERO-G) of Fort Lauderdale, have announced the firm's participation in a pilot program to demonstrate expanded access to and use of KSC's space shuttle runway and landing facility for non-NASA activities. ZERO-G will conduct weightless flights from the facility using its Boeing 727-200 aircraft, called G-Force One, on Saturday and Sunday. The "flyers" will predominantly be teachers who will perform simple microgravity experiments they can share in the classroom.