



# countdown

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## Orbiter launches wait on external tank wiring repairs



### ◆ Shuttle Update:

Shuttle program managers have requested that flight control teams and ground operations teams

protect for a Jan. 24 launch date of **Atlantis**. As work progresses, that date will be modified as required. Other launch opportunities could come between Jan. 24 and the first week of February.

At Launch Pad 39A, preparations began for modifications to the engine cutoff, or ECO, sensors electrical system. New external connectors and feed-through assemblies have arrived. Changeout is expected to be completed by Thursday. Testing of the ECO sensor connector continues at Marshall Space Flight Center with cryo testing planned this week.

Troubleshooting on the ascent thrust vector control, or ATVC, was performed Jan. 3, and the ATVC was removed, replaced and then retested over the weekend.

On **Endeavour**, workers are beginning to remove the foam on the feed-through connector on the external tank prior to the STS-123 mission. Due to a five-week planning template used in scheduling back-to-back launches off a single pad, STS-123 will not launch on Feb. 14. The launch date will be updated consistent with the progress on STS-122.

In Orbiter Processing Facility bay No. 2, payload bay door strong backs were installed Jan. 3 while the main landing gear and nose gear were retracted in support of positive pressure structural leak checks and thermal protection sys-

tem work. Technicians completed a landing gear functional test on Friday.

In high bay No. 1 of the Vehicle Assembly Building, booster closeouts are completed and the boosters are ready to support the mate when directed.

In Orbiter Processing Facility bay No. 3, **Discovery's** payload bay doors are open. The Ku-band antenna was deployed Jan. 2. The fuel cell single-cell voltage test took place on Saturday. Window No. 7 purge barrier installation was performed Jan. 3. Radiator repairs continued Saturday and Sunday.

### ◆ STS-120 Crew Return Presentation:

Please welcome back Commander Pamela Melroy and the crew of STS-120 **today**. The presentation will be held in the Kennedy Training Auditorium at 11 a.m. Seating is available on a first-come, first-served basis, so arrive early!

■ **KSC Fitness Center Group Exercise Classes** — A new group fitness class schedule will run through March 28. In addition to the usual aerobic, resistance training, karate, Pilates and yoga classes, the Fitness Centers are also offering ZUMBA and Drums Alive! ZUMBA is a fusion of Latin and international music – dance themes creating a dynamic, exciting and effective fitness system! The routines feature aerobic/fitness interval training with a combination of fast and slow rhythms that tone and sculpt the body, while maximizing caloric output and fat-burning potential. Drums Alive combines the dynamic movements of aerobic dance with the pulsating rhythms of the drum. It is a unique sensory-motor

## Crew of STS-120 mission presents experience for KSC

program designed to give the mind and body instant feedback through continuous movement and rhythmical flow. Not only is this class fun, it has many physical and psychological benefits as well. Don't miss out on these unique opportunities. New schedules and class descriptions are available at both the O&C and OSB facilities!

■ **Education Opportunity** — At the University of Miami, applications are currently being accepted for Master of Science degrees in industrial engineering with a concentration in systems engineering, mechanical engineering, and management of technology. Applicants can start the program in the spring (March/April). 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).



■ **Road Work** — The Indian River Bridge will be reduced to one lane of traffic from 8:30 a.m. to 2 p.m. **today** and

**Wednesday** for scheduled maintenance.

*Countdown* is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 10 a.m. Mondays & Wednesdays. E-mail news to [anita.barrett@jbsc.ksc.nasa.gov](mailto:anita.barrett@jbsc.ksc.nasa.gov). For questions or information, e-mail or call 321-867-2815. You can also find *Countdown* on the Web at [nasa.gov/centers/kennedy/news/countdown/countdown-toc.html](http://nasa.gov/centers/kennedy/news/countdown/countdown-toc.html).