



countdown

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External tank for Atlantis/ STS-122 in VAB for processing



◆ Shuttle Update:

In bay 1 of the OPF, checkout and verification of **Atlantis'** remote manipulator system, also known as the shuttle arm, are complete. Technicians are reinstalling the left orbital maneuvering system pod, which was removed for a valve repair. System testing continues in the vehicle. Technicians are checking out the water spray boiler system.

ET-125, the external fuel tank for Atlantis on mission STS-122, arrived at Kennedy via barge at 12:30 p.m. Friday. The tank was then offloaded and transported to the VAB, where it was lifted into a checkout cell on Saturday to allow for processing.

In bay 2 of the OPF, the three shuttle

main engines on **Endeavour** have been removed for inspection and processing. Hydraulic operations began last week. This involves repositioning the orbiter's aero surfaces, such as the body flaps, rudder speed brake and elevons, to allow for tile inspections. Technicians are performing functional tests of the orbital maneuvering system pods. Post-flight deconfiguration of the payload bay is also in progress.

◆ **ELV Update:** On Sept. 11, Dawn was officially declared secure atop the Delta II rocket. Technicians successfully conducted spacecraft state-of-health checks on Sept. 12. The launch team completed the flight program verification on Sept. 13 without issues, ensuring the Dawn spacecraft and Delta II rocket are working together in unison. Installation of the payload fairing around the spacecraft is scheduled for Wednesday.

Dawn is scheduled to launch from Cape Canaveral Air Force Station Sept. 26.

■ **Second Annual KSC "Stress Out" Days Oct. 3-4** — At the vendor booths, learn about KSC occupational health programs, massage, acupuncture, relaxation therapies, counseling, mental health and caregiver services, vacation and financial planning. See demonstrations of dance, reiki and art hobbies. Stop by either the O&C Mission Briefing Room between 11 a.m. and 2 p.m. on Oct. 3 or the OSB II 5th Floor Conference Room between 11 a.m. and 3 p.m. on Oct. 4. Early participants will receive stress squeeze balls! For more information, call 867-3414 or 867-4566.

Fairing installation around Dawn takes place Wednesday

■ **NASA Milestone** — On Sept. 12, the signing of a memorandum of understanding marked a key milestone for NASA and the National Institutes of Health in their long partnership to advance scientific discovery. The two agencies entered into an agreement that helps American scientists use the International Space Station to answer questions about human health and diseases. The pact signals to researchers the availability of a remarkable platform for experiments.

■ **STS-118 Crew Members Return For Presentation** — All employees are invited to attend the STS-118 crew return visit on Friday. The presentation will be held at 11 a.m. in the OSB II, room 5109. Seating is available on a first-come, first-served basis, so arrive early! If you have any questions, please contact Layla Higgins at layla.m.higgins@nasa.gov.

■ **About Your Back** — That's the topic for the latest in the RehabWorks lecture series. Key facts about common injuries of the spine will be presented at noon on Sept. 25 in OSB I/Room 6320.

■ **NASA Exchange Pre-Inventory Sale** — At all Exchange stores through Sept. 28, any item starting with the letters "SG" will be on sale at 20 percent off! The sale price will ring up at registers.

Countdown is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 10 a.m. Mondays & Wednesdays. E-mail news to anita.barrett@jpsc.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.

This Is Pollution Prevention Week

— What can you do to help prevent pollution?

- ◆ Pack lunches in reusable containers instead of disposable paper and plastic bags.
- ◆ Use reusable cups for coffee and other beverages.
- ◆ Use copiers and printers that print on both sides of the paper to reduce paper use.
- ◆ Recycle toner cartridges and printer materials.
- ◆ Turn off lights when not in use.
- ◆ Carpool, walk or ride bikes to and from school or work.