



# countdown

May 15, 2007

Vol. 12, No. 36

## Atlantis rolls out!

◆ **Shuttle Update:** Rollout of Space Shuttle Atlantis was pushed up a day early, and, at press time, was scheduled to begin at 4 a.m. today. Arrival at Pad 39A should be approximately 10 a.m. Launch is targeted for June 8.

◆ **ELV Update:** Mission system performance testing of the **Dawn** spacecraft was finished Friday. A test of the spacecraft's primary communications antenna is scheduled for May 21. The spacecraft solar arrays will be attached and deployed May 21 - 24. The spacecraft will be moved to Astrotech's Hazardous Processing Facility for fueling on May 26. Dawn is targeted for launch on June 30.

On the **Phoenix Mars Lander**, spin-balance testing is under way. The spacecraft was scheduled to be powered up to begin testing on Monday. The heat shield will be installed today, and a separation test will then be performed. The spacecraft's electrical power system will undergo a final performance test on Thursday. The flight software will be loaded aboard the spacecraft on May 21. The lander is targeted for launch Aug. 3.

■ **NASA News** — NASA last week issued a request for proposals for the construction of a lightning protection system at Launch Pad 39B in support of the Constellation Program and the next generation of space vehicles. The request for

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

## Two NASA spacecraft meet testing requirements

proposals outlines work to be performed in fabricating and erecting three 600-foot-tall self-supporting structural steel towers, and installing a suspended overhead wire system with associated conductors and electrical grounds. The proposals are due to KSC on June 6 and a contract is expected to be awarded in August.

The system will support launches of the Ares I and Ares V boosters, their spacecraft and cargos throughout the life of the program. The first Ares I launch from Pad 39B with the new system in place will be the second Ares I flight test in 2012.

This project, along with several other Constellation initiatives, was reviewed for environmental compliance as required under the National Environmental Policy Act and found to not produce significant environmental impacts. NASA published an environmental assessment in late March for public and regulatory agency review and received no adverse comments.

**In other news**, NASA has established a requirements baseline for ground systems to be developed in support of the Constellation Program. The systems requirements review was conducted May 5.

The review was an in-depth look at the basic capabilities necessary to support space vehicle integration and ground processing; launch processing infrastructure, including the Vehicle Assembly Building, launch pads and Launch Control Center; launch vehicle protection systems; launch checkout and control; crew safety and emergency egress; and fault tolerance requirements for the systems.

Agency and contractor engineers

from across the country reviewed the requirements.

The requirements will be applied to all launch, landing and recovery activities for the Orion crew exploration vehicle, Ares I crew launch vehicle and Ares V cargo launch vehicle.

■ **Energy Contest Winners** — The SGS Energy Management Office thanks everyone who participated in its contest celebrating Earth Day on April 20. The winner of the LED flashlight is Robin Anders of InDyne for guessing closest to the April 2007 electric bill for KSC. The actual April FPL bill for KSC was \$1,693,832. Congratulations to Robin for her guess of \$1,691,102, a difference of only \$2,730 — less than two-tenths of one percent!



■ **Recycle Phone Books** — The new BellSouth telephone books are being distributed throughout KSC. Please do not put your outdated telephone books in the trash -- recycle them! Through May 30, all personnel can place outdated BellSouth (only) telephone books in the office outgoing mailbox for pick-up by the mail carriers. If you have more outdated telephone books than your mailbox can hold, please place them in a neat stack on the floor, table or desk next to your mailbox.

*Countdown* is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 10 a.m. Mondays & Wednesdays. E-mail news to [anita.barrett@jbossc.ksc.nasa.gov](mailto:anita.barrett@jbossc.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).