



# KSC Countdown

Feb. 7, 2006

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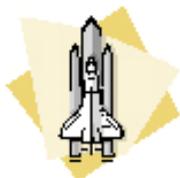
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## ST5 spacecraft closing in on Feb. 28 launch day

## Discovery control system installation this week

◆ **ELV Update:** The Space Technology 5 spacecraft was mated to the Pegasus XL rocket Feb. 3 in the Orbital Sciences hangar at Vandenberg Air Force Base in California. Pegasus Flight Simulation No. 4, an integrated test with the ST5 spacecraft, is scheduled for Wednesday.

ST5 final functional testing and spacecraft closeouts are scheduled for Saturday and Sunday. The three-day operation to install the Pegasus vehicle fairing around the ST5 spacecraft is currently scheduled for Feb. 14 through 16.



◆ **Shuttle Update:** The forward reaction control system for **Discovery** is scheduled to be

delivered to the bay this week for installation into the vehicle. The control system provides the thrust for attitude (rotational) maneuvers (pitch, yaw and roll) and for small velocity changes along the orbiter axis.

Following shuttle main engine installation, leak checks were performed on the interfaces per standard procedure. Engines No. 2 and No. 3 did not pass the leak check. Those two engines were removed from the vehicle and were returned to the main engine processing facility for evaluations. Technicians in the

engine facility will lap, or polish, the engine interfaces to remove any possible microscopic imperfections. Once completed, the engines will be reinstalled into the vehicle and leak checks repeated. The additional work will not impact the overall processing schedule.

### ■ **Scholarship Fund Applications Due Soon**

— The NASA College Scholarship Fund, Inc. is a non-profit organization that awards undergraduate scholarships to qualified NASA dependents pursuing a course of study in science or engineering fields. Up to six scholarships will be awarded this year. Applications are now being accepted and must be received by the corporation scholarship committee at Johnson Space Center no later than **March 20**. Information on the guidelines for applying for the scholarship can be found at the following URL:

<http://nasapeople.nasa.gov/nasascholarship/index.htm>.

For additional details, please contact Debbie Bitner at [Deborah.L.Bitner@nasa.gov](mailto:Deborah.L.Bitner@nasa.gov) or phone 867-0510.

■ **Call For Nominations For Space Coast Women Engineer of Year Awards** — The Space Coast Section of the Society of Women Engineers (SWE) has announced a call for nominations for the following awards for the Space Coast area:

Outstanding Woman Engineer of the Year, the Distinguished New Engineer of the Year and Woman Engineer Technical Achievement. These awards will be announced and presented at the annual Space Coast Women Engineer of the Year Awards Banquet to be held March 2 at Rockledge Country Club.

Women engineers working or residing in Brevard, Indian River or Volusia Counties are eligible to be nominated for these awards. If you know a woman who is outstanding in her profession, contact Patricia Ruddell at (321) 861-3000, or send e-mail to [patricia.ruddell-1@ksc.nasa.gov](mailto:patricia.ruddell-1@ksc.nasa.gov). You may also visit the SWE Space Coast Web site at <http://www.swe-sc.org/> to obtain a copy of the nomination form. Nominations must be postmarked by **Friday**.

■ **Did You Know?** You can join Toastmasters and learn how to overcome all obstacles to achieve total proficiency at speaking engagements large and small. Constructive evaluations and affordable membership options make Toastmasters the perfect organization for rising stars. Four on-site clubs offer you an opportunity to shine. Visit <http://KSCToastmasters.tripod.com> for meeting locations and times. Call Luke Setzer at 867-5849 or Welmon Speed at 867-6043 for more information.

KSC Countdown is published every Tuesday & Thursday. Deadlines are 10 a.m. Mondays & Wednesdays.

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