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## Dawn on pad for CCAFS launch July 7

◆ **ELV Update:** The **Dawn** spacecraft, already mated to the upper stage booster, was covered on Monday for transport overnight to Launch Pad 17-B at CCAFS and hoisted atop the Delta II on Wednesday. Flight Program Verification is scheduled for Friday. Dawn is targeted for launch on July 7.

Last week technicians performed illumination testing on the solar array panels of the **Phoenix** Mars Lander. Scheduled are fueling July 2-3 and spin balance testing July 11-12. Launch of Phoenix is Aug. 3.

◆ **NASA News Update:** NASA has created a new office to study in more detail some of the universe's most exotic phenomena: dark energy, black holes and cosmic microwave background radiation.

The new Einstein Probes Office will facilitate NASA's future medium-class science missions to investigate these profound cosmic mysteries. The office will be housed at NASA's Goddard Space Flight Center.

The Beyond Einstein Program consists of five proposed missions: two major observatories and three smaller probes. Technology development already is under way on the proposed observatories. The Laser Interferometer Space Antenna would orbit the sun measuring gravitational waves in our galaxy and beyond. Constellation-X would view matter falling into super-massive black holes.

The proposed probes would investigate the nature of dark energy, the physics of the Big Bang and the distribution and types of black holes in the universe. NASA previously has supported initial

mission concept studies for the Dark Energy, Inflation, and Black Hole Finder probes. The agency currently is funding three other, more detailed, dark energy mission concept studies.

NASA and the U.S. Department of Energy have commissioned a National Research Council committee to assess which of the Beyond Einstein missions should be developed and launched first. The assessment will be based on scientific impact, technology readiness and budgetary considerations. The committee's recommendations are due to be released in September.

■ **KSC Combined Federal Campaign Slogan Contest** — The 2007 KSC Combined Federal Campaign is right around the corner and the cabinet members are looking for a slogan. On July 2, the CFC Slogan Web site will open through July 17. So think about your submission and be ready to submit it next week. This contest can only be entered once and is for civil service employees only. For more information, contact Patty Hepburn at 867-2527 or Elizabeth Rodriguez at 867-9166.

■ **KSC Fitness Center Group Exercise Classes** — A new group fitness class schedule will begin July 2 and will run through Sept. 28. In addition to the usual aerobic, resistance training and yagalates classes, a Shotokan Karate class has been added from 5 to 6 p.m. on Mondays and Thursdays courtesy of Sensei Carlos F. Maldonado, third degree black belt of the Puerto Rico Dento Karate-Do Dojo, a member of the ISKA. Karate is an effective method for achieving excellent

## NASA to study cosmic mysteries

physical condition, learning self defense and stress management, increasing motivation and meeting new people. This class will feature some of the basics of Karate, from stances to some basic strikes.

**Massage Therapy Discount** — Get a holiday discount June 26- July 6: only \$20 for a 30-minute session for your basic/relaxation or moderate pressure massages. If you have questions, you can contact Valerie at 867-4762. or [Valerie.s.jaramillo@nasa.gov](mailto:Valerie.s.jaramillo@nasa.gov).

■ **Remember** — It takes commitment from everyone at the Spaceport to help KSC and CCAFS save energy dollars; therefore, please remember to:

- Turn off your computer, monitor and printer (if not required to remain on).
- Turn off the lights in your office when you are the last person to leave.
- Turn off the hall and hall closet lights on your way out if you are the last person to leave your area in the building.
- Turn off displays and decorative lights.
- Turn off or unplug any appliances in the office, such as coffee makers, desk lamps, fans, radios, etc.
- Turn off the copier machines (including those in hallways) and scanners.
- Close the blinds on all windows.

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