



National Aeronautics and Space Administration

countdown

June 16, 2009

Vol. 14, No. 45

Repairs under way, Endeavour to launch 5:40 a.m. Wednesday



◆ Shuttle Update:

Technicians are fixing the leak associated with the gaseous hydrogen venting system outside

space shuttle Endeavour's external fuel tank. The leak occurred near the Ground Umbilical Carrier Plate, or GUCP, which is attached to the external tank. The vent line leads from the GUCP and away from the launch pad to the "flare stack" where excess hydrogen is safely burned off.

Endeavour's leak is similar to what happened during the first launch attempt of space shuttle Discovery's STS-119 mission in March. Technicians plan to use the same repair method, which led to Discovery's successful launch on its next attempt.

Endeavour is scheduled to launch on its STS-127 mission on June 17 at 5:40 a.m. EDT.

◆ **ELV Update:** The LRO/LCROSS launch was moved to June 18 to accommodate Endeavour's June 17 liftoff. There are three launch opportunities from CCAFS: 5:12 p.m., 5:22 p.m. and 5:32 p.m. In preparation for launch, the Atlas V launch vehicle with LRO/LCROSS atop is scheduled to be rolled out to the CCAFS pad June 17 at 10 a.m.

■ **Space-Ops 2010 Conference Call For Papers** — The SpaceOps 2010 Conference, "Delivering on the Dream," hosted by the Marshall Space Flight Center is scheduled for April 25-30 in Huntsville, Ala. The technical committee's goal is to attract more papers on Launch Operations resulting in the topic having

its own track at the 2010 conference. The committee particularly wants to attract papers from the agency's launch operations Center - KSC. The call for papers went out June 1 and the abstract submission deadline is Aug. 1.

This biannual conference is organized by an executive committee made up of representatives from space agencies around the world and supported by the American Institute of Aeronautics and Astronautics. For more details, visit: <http://www.spaceops.org/content.cfm?pageid=7> and <http://www.aiaa.org/content.cfm?pageid=230&lumeetingid=2129&viewcon=0> **verview.**

■ **June 2009 Health Education Information Table** — Awareness of headache types and proper treatment including non-drug therapies can prevent, stop or manage some of the toughest headaches around. There are tension-type, migraine, cluster, sinus and rebound headaches.

The monthly health education table will be set up on Thursday in the SSPF Cafeteria from 11 a.m. to 1 p.m.

Hardcopies are available at all medical and fitness facilities. The packet also is posted under the "Monthly Health Topics" section of the HEWP Web site at: <http://hewp.ksc.nasa.gov/mthly.cfm>.

■ **June 2009 Cardiovascular Disease (CVD) Screening** — The screening will be done from 7 to 8 a.m. at the *OHF Wednesday* and the *MFF/Launch Area Clinic Thursday*. No appointment is necessary. You must fast for 12 hours prior to screening (water only). Please take

LRO changes schedule to June 18 launch

prescription medications as usual unless instructed otherwise for fasting by your health care provider.

The 2009 two-page CVD questionnaire forms can be picked up at any medical facility. The forms can be completed online and printed from FileNet at:

<http://ksboc-forms/KSCForms2/ref/KSC28-1010V2.itr> or download them from:

<http://hewp.ksc.nasa.gov/heart.cfm>. Please print each page separately!



■ KSC Recycling Status Update

— Congratulations to all KSC employees! Thanks to your participation in the glass, aluminum and plastics container recycling program, since August 2008, KSC has recycled 6.84 tons of plastic containers, 2.65 tons of aluminum cans and 2.34 tons of glass containers.

■ **NASA Science** — With NASA poised to launch the world's most famous treadmill (COLBERT) to the International Space Station, an astronaut describes what it's like to run in space where sweat floats and there is no gravity to hold your feet to the ground. Read about it at: http://science.nasa.gov/headlines/y2009/15jun_running.htm.

Countdown is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 9 a.m. Mondays & Wednesdays. E-mail news to anita.l.barret@nasa.gov. For questions or information, e-mail or call 867-2815. You can also find PDF editions of *Countdown* on the Web at: http://www.nasa.gov/centers/kennedy/news/countdown/countdown_toc.html.