



countdown

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Endeavour to roll to Launch Pad 39A May 30



◆ Shuttle Update:

Space shuttle Endeavour will move from Launch Pad 39B to Pad 39A on Saturday, with first motion scheduled for 12:01 a.m. The 3.4-mile journey is expected to take approximately six hours.

The STS-127 crew's launch dress rehearsal, known as the Terminal Countdown Demonstration Test, will take place from May 31 to June 2. Crew members are expected to arrive Sunday afternoon at the SLF.

◆ **ELV Update:** At the CCAFS Launch Complex 37, Delta IV checkout and launch preparations continue for the GOES-O launch. Tanker trucks are delivering liquid hydrogen to storage tanks at the pad in preparation for launch. The redesign of the linear shape charge, part of the launch vehicle flight termination system, is making progress.

At the Astrotech Space Operations Facility, the GOES-O spacecraft is enclosed in the payload fairing. There is a cool dry purge within the fairing, and the spacecraft remains in a good state of health. A charge also is being maintained on the batteries. GOES-O will be moved to the launch pad for integration with the Delta IV on June 3 or 4.

■ **Random Drug Testing At NASA** — Executive Order 12564 and NPR 3792.1B, Plan for a Drug-Free Workplace mandates random drug testing for illegal drug use by NASA employees in testing designated positions, or TDPs. Random drug testing is the best available tool for

detering illegal drug use in the workplace — thus preventing usage, injuries and accidents. All NASA employees in TDPs are subject to random testing. TDPs are determined by supervisors and the center's human resources office based on criteria identified in NPR 3792.1B, Appendix A.

Every TDP has an equal chance of selection each time a test is conducted. Previous testing does not influence the next random selection; selection of a previously tested employee is just as probable as selection of anyone else in a TDP for the next test. Some employees will be selected repeatedly whereas others may never be selected. The probability of selection increased in 2006 when the Agency raised the minimum testing requirements to 25 percent of the TDP population and four tests per year at each center.

For additional information, please contact the NSSC Customer Contact Center at 877-677-2123 or nssc-contactcenter@nasa.gov.

■ **ISS Gaining Crew Members** — Russian cosmonaut Roman Romanenko, European Space Agency astronaut Frank De Winne and Canadian Space Agency astronaut Robert Thirsk launched on a Soyuz spacecraft from the Baikonur Cosmodrome in Kazakhstan on Wednesday, heading for the International Space Station. They will join the station's Commander Gennady Padalka and Flight Engineers Michael Barratt and Koichi Wakata of the Japan Aerospace Exploration Agency.

The six will form Expedition 20, the station's first six-person crew. This mis-

GOES-O ready to move to pad next week

sion also will be the first long-duration crew with members representing all five International Space Station partners.

■ KEA-42 Monte Carlo Simulation

101 — Lisa Huddleston, NE-M5, will present "Monte Carlo Simulation 101" at 10 a.m. June 4 in the Training Auditorium. This presentation is intended to demonstrate real world utilization of an analytical, problem-solving technique used when it is too difficult, time-consuming, costly or dangerous to perform actual experiments or use real-world data. NASA and KSC contractor personnel are invited to attend. Questions and comments should be sent to KSC-Engineering-Academy@mail.nasa.gov.

To view future listings, or video/PDF versions of past KEA events, please visit: <http://kea.ksc.nasa.gov/>. Please check the Web site for updates as events are subject to change.

■ **NASA Science** — Do you wonder how you'd make your morning coffee if you were living on another planet? NASA engineers have power systems on the drawing board that could run coffee makers--and much more--on the moon, Mars and beyond. Read more about it at: http://science.nasa.gov/headlines/y2009/15may_stirling.htm.

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