



countdown

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Replacement sensor arrives for Hubble Oct. 8 launch



◆ Shuttle Update:

The external tank and solid rocket boosters for space shuttle Atlantis' launch on the STS-125 mission in October were

mated Aug. 3 in the VAB high bay 3. The rollover of Atlantis to the VAB is targeted for Aug. 22.

On Monday, the Fine Guidance Sensor, or FGS, for the fifth and final shuttle servicing mission to NASA's Hubble Space Telescope arrived and was moved into the Payload Hazardous Servicing Facility. The FGS will be integrated onto the Orbital Replacement Unit carrier in the clean room of the facility. The sensor will extend the life of the pointing control system on the Hubble Space Telescope.

◆ NASA to Broadcast Historical Highlights in High Definition —

NASA Television will broadcast a special high definition feed of two hours of highlights from America's human spaceflight history as the agency celebrates its 50th anniversary. The NASA HD highlights will be broadcast from 9 to 11 a.m. on Friday, Monday and Tuesday. The highlights also will be broadcast on standard definition on NASA TV's media channel.

The broadcast will include material drawn from more than 150 hours of historical film footage that was converted to HD under collaboration between The Discovery Channel and NASA. Much of the converted footage was used in production of The Discovery Channel's acclaimed series, "When We Left Earth: The NASA Missions." For technical information on how to receive the special broadcast in high definition, and for

NASA TV streaming video, downlink and scheduling information, visit: <http://www.nasa.gov/ntv>.

■ NASA Awards Space Radiobiology Research Grants —

NASA's Human Research Program will fund nine proposals from six states to investigate questions about the affects of space radiation on human explorers. The selected proposals from researchers in California, Colorado, Georgia, Maryland, New York and Utah have a total value of approximately \$13 million.

The ground-based studies will address the impact of space radiation on astronaut health. Research areas will include risk predictions for cancer and models for potential damage to the central nervous system.



■ Education Opportunity —

The *Florida Institute of Technology* offers Master of Science in Space Systems, Master of Science in Space Systems Management, Master of Science in Computer Information Systems, Master of Science in Computer Science and Master of Science in Software Engineering degrees. All classes are held at 5 p.m. at either of the Spaceport's two locations: Kennedy Space Center or the new Rockledge Center. Courses are taught by exceptional faculty who are committed to the pursuit of excellence in teaching. Applications for fall 2008 semester beginning Aug. 25 through Dec. 4 are being accepted. For application details or for your copy of the latest catalog, contact Sharon Anderson at 504-4142 or e-mail sanderso@fit.edu.

NASA human spaceflight history broadcast in HD



■ **NASA Science** — The 2008 Perseid meteor shower will peak during the dark hours before dawn on Tuesday, and forecasters say it should

be a good show. Read the full story at http://science.nasa.gov/headlines/y2008/22jul_perseid-dawn.htm?list1101250.

■ Be a Part of the ERGOlympics Team —

The Space Coast Chapter of the Human Factors and Ergonomics Society (HFES) announces the kickoff of the first Annual ERGOlympics, and you can participate! HFES needs input from talented planners, builders, promoters, communicators, organizers, financial/legal, education, community outreach, and everybody! Whether you have ideas, resources, connections or just plain enthusiasm, HFES can put your Olympic fever to good use. Join the Kickoff Potluck Brunch from 10 a.m. to noon on Sunday at Kelly Park (the covered pavilion on the Banana River, just off of S.R. 528) in Merritt Island. See the unveilings and the torch lighting, and share in the fun! Please RSVP by e-mail to the Publications Chairperson Debbie Carstens at carstens@fit.edu before Friday.

Countdown is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 10 a.m. Mondays & Wednesdays. E-mail news to anita.barrett@jpsc.nasa.gov. For questions or information, e-mail or call 321-867-2815. You can also find PDF editions of *Countdown* on the Web at http://www.nasa.gov/centers/kennedy/news/countdown/countdown_toc.html.