KSC COUNTDOWN

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Follow Swift launch Wednesday via NASA Direct

▲ **ELV Update:** NASA Direct, NASA KSC's Web broadcast network, is featuring mission launch day coverage of NASA's Swift spacecraft. See live countdown coverage from the Virtual Launch Control Center, **http://www.ksc.nasa.gov/elvnew/swift/vlcc.htm**, beginning at 10:30 a.m. Wednesday. The launch time is 12:09 p.m. Coverage will feature real-time updates as milestones occur during the countdown, as well as streaming video clips of countdown events. All videos are provided in Real Video format. For the latest information on this mission, go to NASA's Swift Web site: **http://www.nasa.gov/Swift**.

▲ **ISS Update:** Last week Expedition 10 Commander Leroy Chiao, in the Space Station's Destiny Laboratory, used the Canadarm2 to provide video of a protective panel on the outside of the module to engineers in the Mission Evaluation Room of Mission Control. Imagery from the Space Shuttle mission STS-113 to the Station in November 2002 showed a possible indentation.

Chiao positioned the arm so that cameras could zoom in on the area. The video helped engineers determine that the indentation was not caused by a micrometeoroid or debris strike. The flat spot on the lab shield appeared to be similar to flattened areas seen in shields on the Unity module.

Video of ISS module shows indent is no problem

Engineering analysis of the imagery showed these flat spots can occur on the forward and aft triangles of the shields, possibly as the result of temperature changes. The protective function and fit of the shields are not affected.

Among activities this week will be a reboost of the Station's altitude, a maneuver performed periodically to maintain the complex's orbit.

■ **Scholarship Opportunity for High School Seniors —** The Society of Women Engineers - Space Coast Section announces the annual scholarship opportunity for graduating high school senior girls to further education in the area of engineering, computer science or mathematics. Scholarships will be awarded based on merit and demonstrated leadership. Last spring, two $1,000 scholarships were awarded to graduating females. SWE-SC scholarship applicants must reside in Volusia, Brevard or Indian River Counties and be accepted to an accredited school. For more information, access the section Web site **http://www.swe-sc.org/** and select "Scholarship Program."

■ **3rd Annual Cape Canaveral Spaceport GIS Day** — Sponsored by the SGS Real Property Information Systems Office, the event coincides with this year's National Geographic Society's GIS (Geographic Information System) Day Nov. 17. These events focus on promoting geographic literacy in schools, communities and organizations, as well as teaching the world about GIS technology by demonstrating real-world applications.

SGS/JBOSC wants to demonstrate how GIS technology is used at the Spaceport. The SGS Real Property Information Systems Office will conduct a presentation at the Training Auditorium, as well as demonstrations and exhibits from 9 a.m. to 3 p.m. at the HQ Lobby, Training Auditorium, OSB Lobby (featuring "GIS at the Spaceport" from 1-2 p.m.), and CCAFS Cafeteria (live demonstrations from 2-3 p.m.).

Additional details will be posted soon on the SGS CCSGIS Web site at **http://gis.ksc.nasa.gov** under the "System Announcements" link.

■ **Did You Know?** Upcoming cardiovascular screenings are as follows: Wednesday, Occupational Health Facility (OHF), 7-9 a.m.; Dec. 8, OHF, 7-8 a.m.; and Dec. 9, Launch Area Clinic (Multi-Functional Facility), 7-8 a.m. The **two-page** CVD questionnaire can be picked up at any medical facility or downloaded from the SGS home page/forms: **http://kscboc-forms/KSCForms2/ref/KSC28-1010.itr**.

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