

Tuesday, Sept. 11, 2001

## Expedition 3 crew on ISS complete cancer-related experiments, begin others



## Visitor Complex offers free admission to Brevard residents



▲ **ISS Update** : Scientific work on the Space Station last week was highlighted by the completion of a human cell culture experiment that has grown colon, kidney and ovarian cancer cells in space to be used in medical research

when returned to Earth late this year. The crew also installed equipment in preparation for a series of tests to characterize a vibration isolation system that will dampen disturbances to very sensitive experiments aboard the Station. In addition, the crew continued to gather data from a host of investigations of the radiation environment in orbit and monitored the status of other studies.

The Station's orientation was changed slightly to allow the Sun to continue to fully shine on the solar arrays. As the seasons change, the angle of the sun relative to the Station also changes. The sun had previously been fairly low to the southern horizon, and the Station was oriented so as to point the arrays south toward the sun. The sun has grown higher in the sky relative to the Station now and the Station was moved back to an orientation that has the arrays perpendicular to the Station's direction of travel. This is a more naturally stable orientation that is preferred for the Station when possible. Such orientation adjustments are performed regularly to optimize power generation.

▲ **Free Weekend at VC:** Kennedy Space Center Visitor Complex is partnering with Pepsi to present the Second Annual "Salute to Brevard Residents FREE Weekend"

Sept. 15, 16 and 17, offering Brevard County residents and KSC personnel and their families free admission with badge or proof of residency (driver's license or utility bill). In lieu of admission, the Visitor Complex is requesting one non-perishable food item or canned good per guest to be donated to the Brevard County Sharing Centers. Complimentary admission includes the all-new *Mad Mission To Mars 2025* show, KSC Tour and all Visitor Complex shows and exhibits. The "Salute to Brevard Residents FREE Weekend" will also include a special discount on KSCVC's new Dine With An Astronaut program. For just \$19.95 (regular price \$29.95), KSC employees and residents will enjoy a delicious lunch and be able to obtain autographs, chat and take pictures with astronaut Jean-Loup Chretien (Soyuz T-6, Soyuz TM-7, STS-86). For more information, call 449-4444.

◆ **Educational Seminar** -- The Federal Women's Program Working Group (FWPWG) will be sponsoring an educational seminar in the KSC Training Auditorium at 11 a.m. Sept. 11. Tracy King, of Merrill Lynch, will be the featured speaker, discussing personal strategies for long-term investing with emphasis on sound financial planning. This meeting is open to all who are interested. For information, e-mail: [Kimberly.Boatright-1@ksc.nasa.gov](mailto:Kimberly.Boatright-1@ksc.nasa.gov).

◆ **Did You Know?** Watching liquids boil in low gravity is an out-of-this-world experience (in this story you can see for yourself). The strangely turbulent liquids have plenty of entertainment value, and they're teaching scientists some important physics lessons, too. Read the full story at [http://science.nasa.gov/headlines/y2001/ast07sep\\_2.htm?ist550276](http://science.nasa.gov/headlines/y2001/ast07sep_2.htm?ist550276). ★

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Deadlines: 10 a.m. the day before. Send information, comments or questions to:

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Countdown on the Internet -- <http://www-pao.ksc.nasa.gov/kscpao/ksccount/2001/2001.htm>