

Inside Wallops



National Aeronautics and Space Administration
Goddard Space Flight Center
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Spacewalkers to Replace Station Gyro Today

Mission Specialists Dave Williams and Rick Mastracchio will go spacewalking for the second time today. Their primary task is to replace a faulty attitude control gyro on the International Space Station.

The spacewalk is slated to begin at 11:31 a.m. EDT and last 6.5 hours.

The faulty gyro is one of four devices, called control moment gyros (CMGs), located in the Z1 truss that are used to control the station's orientation.

The new CMG rode to the station on External Stowage Platform-3 in Space Shuttle Endeavour's payload bay.

Mission Specialist Tracy Caldwell will resume her role as the mission's spacewalk coordinator and Pilot Charles Hobaugh will operate the station's robot arm.



NASA Photo

Image above: A control moment gyroscope designed for use on the space station.

Two more spacewalks are scheduled for STS-118's stay at the station.

Meanwhile on Earth, experts continue to analyze imagery collected Sunday during the STS-118 crew's focused inspection of

five areas of concern on the Endeavour's heat shield.

Mission managers have decided to extend the STS-118 mission by three days. The decision came after the successful operation of the new Station-to-Shuttle Power Transfer System (SSPTS).

Endeavour is now scheduled to undock from the International Space Station on August 20 and land August 22.

In addition to the extra time at the orbital outpost, managers added a fourth spacewalk that is scheduled to take place August 17.

The SSPTS reroutes power from the space station to the shuttle during docked operations, allowing the orbiter to conserve materials needed to generate power and spend more time in space.

Wallops Shorts.....

Norway Launch



ARR Photo

The second NASA Terrier MK 12 Improved Orion sounding rocket (above) in the Dust MASS Analyzer (MASS)

mission was launched on August 6 from Andoya Rocket Range, Norway.

The MASS mission was to provide in-situ measurements of the number, density and size distribution of the aerosol particles responsible for noctilucent clouds and polar summer mesospheric radar echoes.

MASS also obtained measurements of associated electric fields and electron densities.

The sounding rocket also carried a NASA Sounding Rocket Operations Contract (NSROC) Inertial Attitude Control System.

The payload weighed 531 pounds. Good data was received from all instruments.

Dr. Scott Robertson, University of Colorado, was the experimenter, and Bill Payne, NSROC, was the mission manager.

New Mexico Launch

A NASA Terrier Black Brant sounding rocket was launched from White Sands Missile Range, N.M., on August 13.

The mission was a long split spectra imaging of the Orion Nebula.

Dr. Stephan McCandliss from John Hopkins University was the experimenter. Ted Gass, NASA Sounding Rocket Operations Contract (NSROC), was the mission manager.

The payload weighed 1,134 pounds. The NSROC Inertial Attitude Control System was used. Good data was obtained, and the payload is being recovered.

Diversity Council Words to Live By

"Awareness of both your limitations and your potential enhances humility."

.....Sheila Bethel

Movers and Shakers

After a week of moving boxes, file cabinets, desks, and chairs in excruciating heat, one group of high-caliber Wallops professionals were still smiling.



The crew endured record-high temperatures and humidity to move nearly two dozen offices and conference rooms for the Wallops System Software Engineering Branch from the second floor of Building N-161, which has no elevator, to the second floor of new engineering Building E-109.



Photos by Sandra Kleckner

VT Griffin employees from left are Gary Smith, Tommy Chance, Daniel Douglas, Milton Johnson and Cleo Kelley.

Debedeavon Toastmasters

August 15
11:30 a.m. to 12:30 p.m.
Cropper Center

Toastmasters provides training and practice in public speaking, including prepared speeches, impromptu speaking, active listening, and speech evaluation. For further information contact Mike Barnhill at x1641.

Injury Proof Your Fitness Program

Tuesday, August 21
Noon – 1 p.m.
Bldg. E-2, Williamsburg Rm



Steve Daisey, Physical Therapist, will explain fitness programs that will help you perform better in life and recreation. The goal is not to make a “buff or hard body” but to have the flexibility, strength, and stamina to perform every day tasks.

Plan Now For The Life You Envision When You Retire

August 22
Noon to 1 p.m.
Bldg. E2, Williamsburg Rm.

Will your retirement include time to enjoy hobbies, travel, spend more time with family, pursue an entrepreneurial endeavor or possibly relocate?

Understanding your plans for retirement, where you are in life and how close to retirement you are will have a big impact on how much you save and the type of investments you use.

Bring your lunch. Refreshments and dessert will be provided.

Register at the Credit Union, Building N-133 or online at www.nasafcu.com/seminars. Sponsored by the NASA Federal Credit Union.



Reminders from the Travel Office

Travelers are responsible for completing and submitting a travel voucher within five (5) business days after the completion of a trip or every 30 days if performing extended duty travel.

Ensure outstanding travel authorizations – those for which you have not submitted travel vouchers – are cleared as soon as possible.



If you have trouble accessing or need assistance in preparing vouchers or clearing travel authorizations contact the IEMP Support Center at x66-4436.

Cancelled trips should be reported to CI Travel within three business days. CI Travel will provide a confirmation number for all cancelled reservations. The confirmation number should be maintained by the traveler.

The RFO Travel Office also should be contacted to cancel your travel authorization obligation. Across a copy of the travel authorization write the word “Canceled” and fax to the RFO Travel Office at 66-8261.

For Rent

Two bedroom apartment on Chincoteague. \$550 + utilities. Call Jerry Doyon, leave a message (757 894-5914 or 824-0530).

Technology Transfer Overview Course

August 16
9 a.m. to Noon
Building E-2 Training Room

For more details about the course, call Melissa Jackson at x66-7958. Civil servants should register at: <https://saturn.nasa.gov>. Contractors should register by sending an email request to jacksonm@pop500.gsfc.nasa.gov

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found at: <http://www.nasa.gov/centers/wallops/news/newsletters.html>

Editor

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