



Inside Wallops

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Goddard Space Flight Center
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A Statement from the Families of Space Shuttle Columbia

“On January 16th, we saw our loved ones launch into a brilliant, cloud-free sky. Their hearts were full of enthusiasm, pride in country, faith in their God, and a willingness to accept risk in the pursuit of knowledge — knowledge that might improve the quality of life for all mankind.

Columbia’s 16-day mission of scientific discovery was a great success, cut short by mere minutes — yet it will live on forever in our memories.

We want to thank the NASA family and people from around the world for their incredible outpouring of love and support.

Although we grieve deeply, as do the families of Apollo 1 and Challenger before us, the bold exploration of space must go on.

Once the root cause of this tragedy is found and corrected, the legacy of Columbia must carry on — for the benefit of our children and yours.”



NASA Photo

Kneeling (left to right) Payload Specialist Ilan Ramon of Israel, Pilot William “Willie” McCool and Mission Specialist David Brown. Standing are Mission Specialists Michael Anderson and Kalpana Chawla, Commander Rick Husband and Mission Specialist Laurel Clark.

Wallops Unpiloted Aerial Vehicles Capture Images

The ImageAire and VideoPlane Unpiloted Aerial Vehicles (UAV) (below) recently captured high-resolution imagery of the coast of Anacapa Island, located 14 miles off the coast from Ventura, Calif.



Geoff Bland Photo

The images captured by the ImageAire UAV, which was remotely piloted by Allen Lunsford, Global Science and Technology (GST), coincided with a satellite overpass and data acquisition using Goddard Space Flight Center’s (GSFC) Direct Readout System.

This simultaneous measurement represents a significant milestone in the effort by personnel in the Greenbelt Applied Information Science Branch and Wallops Observational Science Branch to use small UAVs for remote sensing research and satellite calibration/validation applications.

The UAVs were created by Geoff Bland, Wallops Observational Science

Branch, and Ted Miles, Wallops Electronics Engineering Branch, for the JASON Project.

The JASON Project is a multi-disciplinary education program that sparks the imagination of students. The project explores Earth from oceans to rain forests, from polar regions to volcanoes and exposes students to scientists who work with them to examine its biological and geological development.

To view the images visit:
<http://www.jasonproject.org/jason14/field/photos/PICT0016>
<http://www.jasonproject.org/jason14/field/photos/PICT0010>

For more information on the JASON Project see: <http://www.jason.org/jason14/home>

Centennial of Flight Milestone

45 years ago on February 10, 1958, the first successful radar returns from Venus.

Wallops Shorts.....

In the News

SpaceRef.Com

“Fun with Urine’ Stirs Students’ Imagination”

SpaceNews

“NASA Seeking More Satellites for Rapid Catalog”

Eastern Shore News

“Committee Will Probe ‘Odd’ Water Test Finding”

Reuters

World Photo – NASA P-3 in Japan

Aviation Week

“Test Puts Hybrid Rockets Back on the Table”

Virginia Pilot

“NASA Plans Addition to Va. Flight Center”

Eastern Shore Post

“Shuttle Had Local Connections”

Palestine Herald-Press

“Pickup Begins in Anderson County”

Sounding Rocket Launch

A NASA Terrier-Black Brant sounding rocket was launched from the White Sands Missile Range, N.M., on February 6. The UV/Astrophysics payload was to simultaneously map a quarter of the sky in four wavelength bands. Dr. Chris Martin, California Institute of Technology, was the principal investigator. Ted Gass, NSROC, was the payload manager.

January was Colder, Drier and Snowier

by Bob Steiner, Meteorologist

January 2003 began on a warm, wet note but soon changed. Overall, temperatures during January were almost 4 degrees below the norm at 31.6 degrees. With 23 days of high temperatures below normal and 19 nights colder than normal, we can expect a higher utility bill. The warmest day in January was on the 9th with a high of 61 degrees, which is not a record. No record highs for the month were set or tied. A record low of 13 degrees was recorded on January 24, beating the old record for the date of 14 degrees recorded in 1963. The reading of 11 degrees on the morning of January 27 tied a daily record low previously set in 1963.

With 1.48 inches of precipitation recorded, we were 1.77 inches below the average of 3.25 inches. The most to fall in a 24-hour period was 0.49 inches on January 16 and 17. Measurable precipitation fell on only nine days compared to our norm of 10 days.

Snow became an issue when 7.2 inches fell on the night of January 16 into the morning of the 17th, causing the closing of Wallops Island and Main Base. Thank you, Mother Nature for the four-day weekend! Measurable snow also fell on January 15 depositing about a half-inch of snow. Of interest, might be the fact that we also saw 10 days during the month with a trace of snow or wintry mix. Total measurable snow was 7.7 inches. This is almost 5 inches more snow than is normal for our area during January.

Looking ahead to March, one can expect the daily high temperature to be close to 50 degrees at the beginning of the month and increasing to about 57 degrees by the end of the month. Nighttime lows start out near 31 degrees, increasing to 40 degrees after the onset of "spring". The 86 degrees recorded on March 13, 1990, is the all-time high for the month while the all-time low of 14 degrees was recorded on two different days, March 1, 1980, and March 4, 1996.



We can expect March to be wet and windy, which usually means cool. Wallops averages 10 days with measurable precipitation giving us an average total of 3.97 inches of precipitation for the month. Snow is not normally a big player in March as we average only about 0.9 inches.

Although not the norm, winter storms, especially N'Easters, are not uncommon in March. Remain alert to inclement weather and keep the winter jackets handy. Thunderstorms also make their presence known in March.

2002 Mentoring Program Participants



Tom Burton Photo

(seated left to right) Olive Finney, Donna Smith and Rebecca Johnson. (Row 2) Pamela Taylor, Patricia Dworske, Lisa Johnson, Evoralyn Thomas and Cheryl Johnson. (Row 3) Amy Strong, Sandra Bowden, Freda Johnson, Regina Waters, Barbara Lusby and Nichole Richmond. (Back row) John Campbell, Steve Nelson, Sherry Kleckner and Kathy Wentworth-Drahosz. Not pictured: Amy Taylor, Sandra Kleckner, and Susan Semancik.



The Souls of Black Folks Centennial Reflections

The Wallops Black History Club is hosting an evening of entertainment on February 22 beginning with dinner at 5 p.m. at the Elks Lodge, Pocomoke City, Md.

Dress is semi-formal.

Tickets are \$25 per person and must be purchased by February 14. Contact Rebecca Beach on x1559, Cheryl Johnson on x1607, or Freda Johnson on x1466.

Brown Bag Career Development Seminar

22 Things to do Until a Promotion Comes

February 19
11:30 a.m. to 12:30 p.m.
Williamsburg Room, Building E-2

Career Coaching

Event: Individual career coaching by appointment
Date: February 18 afternoon only
February 19 morning only
Place: Building E-104, Room 307

Call Tracey White on x66-7823

The Wallops Exchange and Morale Association and Morale Activities Committee will hold a

Valentine's Dance

With entertainment provided by
D. J. Herm
February 14
5:30 p.m.
In the Rocket Club,
Building F-3

Food will be served. Tickets are \$8 per person or \$15 per couple and are available at the WEMA Exchange in Building E-2 (x2020) or the Rocket Club (x1454).

System for Chemical Reuse

The Wallops Environmental Office has established a spreadsheet of chemicals available for reutilization by government or government contractor employees while performing official government duties. Each chemical will be available for up to 60 days. All chemicals are unopened, in date, and will be issued with a Material Safety Data Sheet (MSDS). This spreadsheet can be found on the Wallops Environmental Office website under Services: Pollution Prevention: <http://www.wff.nasa.gov/~code205/Services/P2/ChemReuse.htm>

To obtain a chemical from the list or to have excess in date chemicals added to the list, contact Joel Mitchell on x1127 or Marianne Simko on x2127.

For Sale

19 inch Magnavox color TV—\$75.
Call (757) 442-3851 after 6 p.m. and leave message.

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 on the NASA Wallops Flight Facility homepage: www.wff.nasa.gov

Editor

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