

2002 IN REVIEW

JANUARY

New NASA Administrator

Newly sworn-in Sean O'Keefe made his first visit as NASA Administrator to Johnson Space Center.

FEBRUARY

E-Week

JSC engineers participated in Engineers Week, an annual event to raise awareness and interest in the profession. E-Week includes the annual Mars Settlement Design Competition.

White Sands

The White Sands Training Facility earned Star site status from OSHA's Voluntary Protection Program - a designation given to work sites that are safe and healthy beyond OSHA requirements.

Rodeo

The annual Houston Livestock Show and Rodeo drew its usual huge crowds in 2002: 40,000 visitors stopped by the NASA/JSC exhibit alone during the 20-day event.

MARCH

Hubble mission: STS-109

The STS-109 crew successfully completed the mission objective of servicing the Hubble Space Telescope.

Roy Estess returns to Stennis

Roy Estess, who served as Acting Director of JSC for more than a year, returned to his post as Director of Stennis Space Center in Mississippi.

APRIL

Howell becomes JSC's Ninth Director

Lt. Gen. Jefferson D. Howell, Jr. took over the reigns as Director of JSC. Howell had previously been the Senior Vice President and Program Manager for the Safety, Reliability and Quality Assurance contract at JSC and had been employed by Science Applications International Corporation.

Barbara Morgan

Barbara Morgan, a former schoolteacher, was named the Agency's first Educator Astronaut on April 12.

O'Keefe unveils future NASA vision

Administrator O'Keefe presented NASA's new vision and mission.

ISS construction mission: STS-110

The crew of STS-110 installed the 43-foot long S0 Truss - the backbone for future station expansion - to the ISS, and also prepared the first railroad in space, the Mobile Transporter, for use.

MAY

Photography breakthrough

NASA announced that astronaut photography of the Earth from the ISS had achieved a level of detail that allows scientists to use the photographs to study changes occurring in very small features on the Earth's surface. The results of the study were discussed in an article featured in the American Geophysical Union journal *Eos Transactions*.

JUNE

STS-111

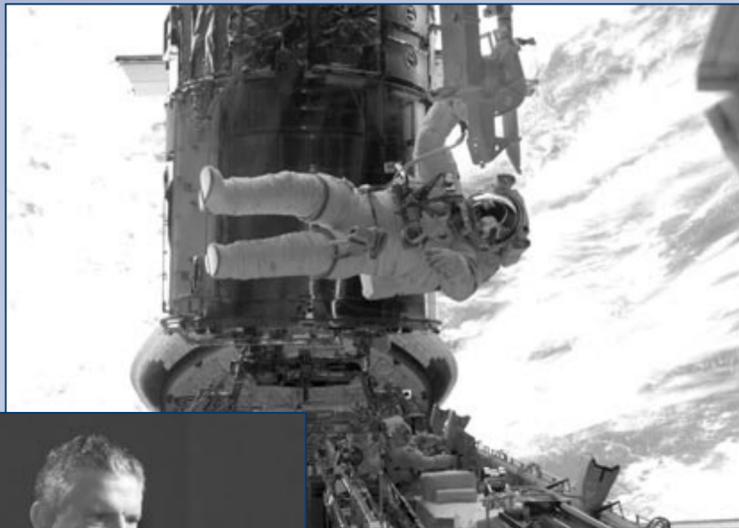
STS-111 delivered the Expedition 5 crew to the station, delivered and installed the Mobile Base System and returned the Expedition 4 crew to Earth. The astronauts also replaced a wrist roll joint on the station's robotic arm, Canadarm2.

Expedition 4 crew returns

The Expedition 4 crew, consisting of Commander Yuri Onufrienko, Flight Engineer Dan Bursch and Flight Engineer Carl Walz, returned to Earth. During the crew's 196 days in space, Bursch and Walz broke the U.S. spaceflight endurance record. Astronaut Shannon Lucid held the previous record of 188 days.

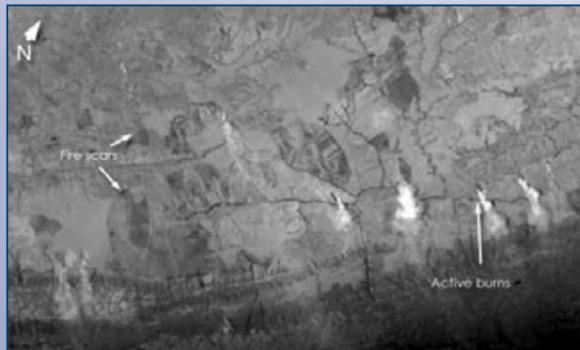


NASA JSC 2002e01976 Photo by James Blair
New NASA Administrator Sean O'Keefe was greeted by Robonaut during his January visit to JSC.



NASA JSC 2002e13694 Photo by Robert Markowitz

Lt. Gen. Jefferson D. Howell, Jr. addressed a JSC audience in April after having become the new Center Director.



NASA ISS004-E-11958
This image taken on May 16, 2002, shows fire scars and smoke plumes resulting from biomass burning in the savannas of southern Democratic Republic of Congo. ISS photography allows scientists to use photographs to study Earth changes.



NASA JSC 2002e13485 Photo by Robert Markowitz
Astronaut Barbara Morgan and NASA Administrator Sean O'Keefe took part in a press conference on April 16 at JSC following the April 12 announcement that Morgan would fly on a shuttle mission to the ISS. Morgan, NASA's first Educator Astronaut, has since been assigned to STS-118, which is slated for a November 2003 launch.

NASA STS113-E-05156

Astronaut John Herrington is ready to begin his Nov. 26 spacewalk to perform work on the ISS as part of STS-113.



NASA S109e5750

Astronaut John Grunsfeld, STS-109 payload commander, floats near the giant Hubble Space Telescope, temporarily hosted in the Space Shuttle *Columbia's* cargo bay. Astronaut Richard Linnehan (lower right), mission specialist, works in tandem with Grunsfeld during this fifth and final scheduled spacewalk on March 8, 2002.



NASA STS112-345-028
The STS-112 crewmembers slept on the middeck of Space Shuttle *Atlantis*. Pictured are Mission Specialists Sandra Magnus, David Wolf and Piers Sellers, and Commander Jeffrey S. Ashby.

The NASA vision is:

*To improve life here,
To extend life to there,
To find life beyond*

The NASA mission is:

*To understand and protect our home planet
To explore the Universe and search for life
To inspire the next generation of explorers
... as only NASA can*

JULY

Tommy Holloway Retires

Tommy Holloway, ISS Program Office Manager since 1999, retired July 3. He had been Space Shuttle Program Manager from 1995-1999 and began his career with NASA in 1963. Bill Gerstenmaier, who had been Deputy Manager of the ISS Program since December 2000, succeeded Holloway as the program's Manager.

AUGUST

OSHA VPP Star

Following an audit, JSC kept its status as an OSHA VPP Star site.

SEPTEMBER

Peggy Whitson

Peggy Whitson was named the first NASA ISS Science Officer on Sept. 16.

OCTOBER

Historical move of MCC

With the threat of Hurricane Lili, Mission Control Center employees worked around the clock on Oct. 1 and 2 to transfer control of the U.S. segment of the ISS to a NASA team stationed in Russia, and then to entirely power down the MCC. It was the first time such a transfer of control had occurred. Control of the U.S. segment returned to MCC Houston on the evening of Oct. 3.

World Space Congress

World Space Congress, a gathering of space experts, agencies and companies, was held in Houston Oct. 9 - 19. JSC's involvement in this once-per-decade event was extensive and included exhibits in the NASA Village and the coordination of Discover NASA Day, an event for Houston-area kids.

STS-112

The STS-112 crew installed and activated the S1 Truss and performed three spacewalks during the mission. The launch of STS-112 was seen in a new way: it was the first time that a camera was mounted on the shuttle's External Tank.

NOVEMBER

STS-113

STS-113 delivered the Expedition 6 crew to the ISS, delivered and activated the P1 Truss, and brought home the Expedition 5 crew.

John Herrington

Astronaut John Herrington, a Mission Specialist aboard STS-113, became the first Native American with an active tribal affiliation to fly in space.

DECEMBER

Expedition 5 crew returns

The Expedition 5 crew, consisting of Commander Valery Korzun, NASA ISS Science Officer Peggy Whitson and Flight Engineer Sergei Treschev, returned home.

George Abbey retires

Former JSC Director George Abbey retired, capping off a federal service career that spanned a half-century.