

# The Year in Review in Pictures 1999



## January:

A four-story-tall, 12-ton test article of the International Space Station arrived at JSC to undergo acoustic testing. An exact replica of the centerpiece of the station's 356-foot-long segment called the S-zero truss was housed in the Bldg. 49 Spacecraft Acoustic Lab where it underwent a complex series of vibro-acoustic tests.

NASA JSC Photo S98-20383



## July:

*Columbia* lifted the crew of STS-93 to new heights for women and astronomy. On board was the revolutionary Chandra X-ray Observatory and the program's first female shuttle commander, Col. Eileen Collins.

NASA JSC Photo STS063-312-020

## February:

The X-38 Structure Design and Manufacturing Team completed assembly of the fuselage of a full-scale prototype of the Crew Return Vehicle for the International Space Station.

NASA JSC Photo S98-20489



## August:

JSC hosted more than 120,000 visitors at the 1999 Open House held August 28.

NASA JSC Photo DCP02215ag



## September:

Following an electrical short experienced during the launch of *Columbia* on STS-93 in July, space shuttle managers initiated comprehensive inspections and repairs of electrical wiring. With safety as a top priority, managers developed a plan that included inspecting and repairing more than 100 miles of wiring in each shuttle orbiter.

NASA KSC-99PD-812-04



## March:

The Russian Orlan and American Extravehicular Mobility Unit spacesuits were used together in a manned vacuum test in the Space Station Airlock Test Article in Bldg. 7. Joey Marmolejo, left, and Gennady Glazov were the test subjects for the first ever EMU-ORLAN manned vacuum test.

NASA JSC Photo S99-04444



## October:

JSC employees stood down from their daily tasks and participated in the annual Safety & Total Health Day.

NASA JSC Photo S99-13241



## April:

April 26 was a red-letter day for two girls, Amanda Clanton, 9, from Crosby, Texas, and Erica Lumas, 6, from Honduras. The two girls, who suffer from a rare skin disorder called xeroderma pigmentosum or XP, each received a special UV protection suit that was developed from space-based technology, allowing them to go outside in the sun.

NASA JSC Photo S99-05288



## November:

More than 2,500 professionals from industry, business, government, community and academia attended Inspection99 to talk with NASA representatives and investigate opportunities to apply space technologies for use in their own fields.

NASA JSC Photo i9913695



## May:

JSC received the coveted VPP Star Site status. The JSC Safety Action Team led the center to receiving the honor in its first attempt – an unprecedented achievement in OSHA's VPP Program.

NASA JSC Photo S99-08321



## June:

Following a 4-million-mile mission to resupply the International Space Station, Commander Kent Rominger set the shuttle and his crewmates down June 6 on Runway 15 at the Shuttle Landing Facility in Florida to complete the first shuttle mission of the year.

KSC-99PP-0634



## December:

The STS-103 crew completed the third servicing mission of the Hubble Space Telescope. The Space Shuttle *Discovery* was launched at 6:50 p.m. CST on December 19. Replacement of the telescope's gyroscopes will allow it to continue its groundbreaking astronomical mission.

STS-103 KSC-99PP-1336

