UNITED STATES HUMAN SPACE FLIGHT
ACTIVITIES FOR 2000

Mission: STS-99

Crew:

Commander: Kevin Kregel
Pilot: Dom Gorie
Mission Specialist: Tamara Jernigan
Mission Specialist: Gerhard P.J. Thiele (ESA, Germany)
Mission Specialist: Janet Lynn Kavandi
Mission Specialist: Janice Voss
Mission Specialist: Mamoru Mohri (NASDA)

Launched: 11 February 2000
Landed: 22 February 2000
Primary Mission Objective:

The primary objective of the Shuttle Radar Topography Mission was to acquire a high-resolution topographic map of the Earth's land mass (between 60°N and 56°S) and to test new technologies for deployment of large rigid structures and measurement of their distortions to extremely high precision.

The Shuttle Radar Topography Mission represents a breakthrough in the science of remote-sensing and produced topographic maps of Earth 30 times as precise as the best global maps in use today. The information will be used to attempt to produce one of the most comprehensive and accurate maps of Earth ever assembled.

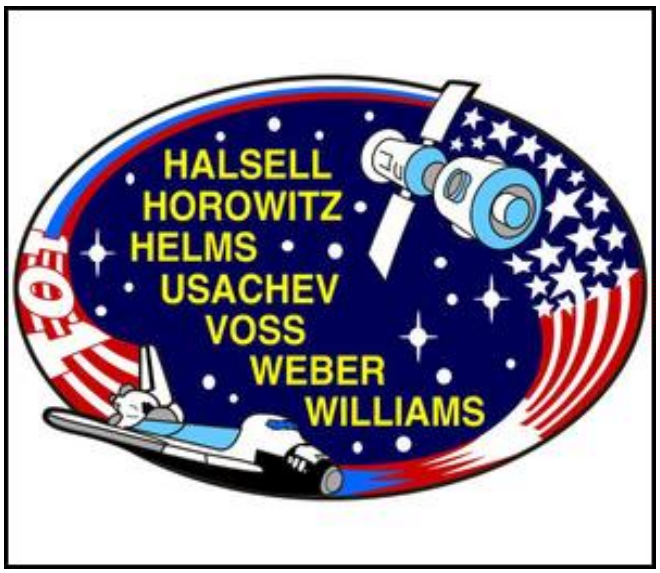
Mission: STS-101/ISS 2A.2a

Crew:

Commander: Jim Halsell
Pilot: Scott Horowitz
Mission Specialist: Mary Ellen Weber
Mission Specialist: Jeff Williams
Mission Specialist: Jim Voss
Mission Specialist: Susan Helms
Mission Specialist: Yuri Usachev (RSA)

Launched: 19 May, 2000
Landed: 29 May, 2000
Primary Mission Objectives:

The primary objectives for STS-101 were to deliver supplies to the International Space Station, perform a space walk and reboost the station's orbit from 370 kilometers (230 miles) to 402 kilometers (250 miles). Atlantis' crew spent six days docked with the station, delivered several important items and replaced four suspect batteries on Zarya. During the space walk, Astronauts James Voss and Jeff Williams completed the assembly of a Russian crane, tested the integrity of a U.S. crane, replaced a faulty communications antenna, installed handrails and set up a camera cable.



Mission: STS-106/ISS 2A.2b

Crew: Commander: Terrence Wilcutt
Pilot: Scott D. Altman
Mission Specialist: Edward T. Lu
Mission Specialist: Richard A. Mastracchio
Mission Specialist: Daniel C. Burbank
Mission Specialist: Yuri I. Malenchenko
Mission Specialist: Boris V. Morukov

Launched: 8 Sept., 2000

Landed: 20 Sept., 2000

Primary Mission Objectives:

Among priority tasks completed during the STS-106 mission of Atlantis to the International Space Station were: changing Zvezda, the Service Module, from launch to flight configuration; logistics activities, including unloading supplies in the Progress cargo vessel into the ISS and transferring equipment, supplies and water from the shuttle to the ISS; removing the TORU docking unit and the aft docking probe from the Zarya module; replacing two batteries on Zarya and installing three batteries and associated electronic equipment on the Zvezda, installing voltage converters and one charge/discharge device in the Zvezda and performing other electrical system work in that module; and a spacewalk to connect power, data and communications cables.

Mission: STS-92/ISS 3A

Crew:

Commander: Brian Duffy
Pilot: Pamela Melroy
Mission Specialist: Koichi Wakata NASDA Astronaut
Mission Specialist: Leroy Chiao
Mission Specialist: Peter "Jeff" Wisoff
Mission Specialist: Michael Lopez-Alegria
Mission Specialist: William "Bill" McArthur, Jr.

Launched: 11 Oct., 2000

Landed: 24 Oct., 2000

Primary Mission Objectives:

The STS-92 crew's successful mission to the International Space Station included installing the Z-1 Truss and Pressurized Mating Adapter 3 and completing four space walk. The Z1 truss is an early exterior framework to allow first U.S. solar arrays on flight 4A to be temporarily installed on Unity for early power.

Mission: STS-97/ISS 4A

Crew:

Commander: Brent W. Jett, Jr.
Pilot: Michael J. Bloomfield
Mission Specialist: Joseph R. "Joe" Tanner
Mission Specialist: Carlos Noriega
Mission Specialist: Marc Garneau, CSA

Launch: 1 Dec., 2000
Landed: 11 Dec., 2000
Primary Mission Objectives:

The main objective of STS-97 was to build and enhance the capabilities of the International Space Station. It delivered the first set of U.S. solar arrays and batteries, as well as radiators to provide cooling. Endeavour and its crew spent seven days docked to the station, which was staffed by its first resident crew. The STS-97 crew conducted three space walks and attached and unfurled the 73-meter (240-foot) solar arrays. A communications system for voice and telemetry also was installed.

INTERNATIONAL SPACE STATION EXPEDITIONS

Expedition 1:

The crew was launched to the International Space Station by Russia on International Space Station Flight 2R.
The crew consisted of:

Commander: Bill Shepherd
Soyuz Commander: Yuri Gidzenko.
Flight Engineer: Sergei Krikalev

Launched: Oct. 31, 2000
Docked: Nov. 2, 2000
Mission End: March 18, 2001

Expedition 2:

The crew was launched to the International Space Station by the United States on STS-102/ISS Flight 5A.1.
The crew consisted of:

Commander: Yury Usachev
Flight Engineer James Voss
Flight Engineer Susan Helms

Launched: 8 March, 2001
Docked: 9 March, 2001
Mission End: To Be Determined

UNITED STATES SPACE FLIGHT ACTIVITIES FOR 2001

During 2001, the United States has flown two successful Space Shuttle mission and a third mission is in progress. All of the 2001 Space Shuttle missions are for International Space Station assembly. The Expedition 1 International Space Station crew is scheduled for launch about the end of October this year.

Mission: STS-98/ISS 5A

Crew:

Commander: Kenneth Cockrell
Pilot: Mark Polansky
Mission Specialist: Robert Curbeam
Mission Specialist: Thomas Jones
Mission Specialist: Marsha Ivins

Launched: 7 Feb., 2001
Landed: 20 Feb., 2001
Primary Mission Objective:

While at the space station, the STS-98 crew installed the U.S. Destiny Laboratory Module, relocated a docking port, delivered supplies and equipment to the Expedition One crew, and conducted three successful space walks.

Mission: STS-102/ISS 5A.1

Crew:

Commander: Jim Wetherbee
Pilot: Jim Kelly
Mission Specialist: Andy Thomas
Mission Specialist: Paul Richards
Expedition Two Commander: Yury Usachev
Expedition Two Flight Engineer: Jim Voss
Expedition Two Flight Engineer: Susan Helms
Expedition One Commander: Bill Shepherd
One Flight Engineer: Sergei Krikalev
Expedition One Soyuz Commander: Yuri Gidzenko

Launched: 8 March, 2001
Landed: 21 March, 2001
Primary Mission Objective:

Mission accomplishments include the delivery of the Expedition Two crew and the contents of the Leonardo Multi-Purpose Logistics Module to the station and the completion of two successful space walks. In addition to returning the Expedition One crew to Earth, STS-102 returned Leonardo - a reusable cargo carrier built by the Italian Space Agency. STS-102 was the 103rd shuttle flight and the eighth shuttle mission to visit the station.

Mission: STS-100/ISS 6A

Crew:

Commander: Kent V. Rominger
Pilot: Jeffrey S. Ashby
Mission Specialist: Chris Hadfield, CSA
Mission Specialist: John L. Phillips
Mission Specialist: Scott Parazynski
Mission Specialist: Umberto Guidoni, ESA
Mission Specialist: Yuri Lonchakov, Rosaviakosmos

Launched: 19 April, 2001

Landed: To Be Determined

Primary Mission Objective:

Space Shuttle Endeavour to Deliver Robotic Arm to Space Station

STS-100 will be the ninth space shuttle flight to visit the International Space Station. Space Shuttle Endeavour and its seven-member crew will deliver the station's robotic arm, the Raffaello Multi-Purpose Logistics Module and a UHF antenna. Raffaello contains six system racks and two storage racks for the station's U.S. Destiny Laboratory Module. The crew will conduct at least two space walks to install the robot arm, which is also known as the Space Station Remote Manipulator System, and the antenna.

REMAINING SPACE SHUTTLE / INTERNATIONAL SPACE STATION MANIFEST FOR 2001

Date	Assembly Flight	Launch Vehicle	Element(s)
June 14, 2001	**7A**	U.S. Orbiter **STS-104**	Joint Airlock High Pressure Gas Assembly
TBD	**4R**	Russian Soyuz	Docking Compartment 1 (DC-1) Strela Boom
July 12, 2001	**7A.1**	U.S. Orbiter **STS-105**	Donatello Multi-Purpose Logistics Module (MPLM) **Expedition 3 Crew**
Nov. 1, 2001	**UF-1**	U.S. Orbiter **STS-108**	Multi-Purpose Logistics Module (MPLM) **Expedition 4 Crew**
Nov. 19, 2001	N/A	U.S. Orbiter **STS-109**	Hubble Space Telescope Servicing Mission

Notes:
Additional Progress, and Soyuz, flights for crew transport, logistics and resupply are not listed.