

EXPEDITION 19 & 20 FULL CREW OF SIX AT WORK

The arrival of the International Space Station's Expedition 19 crew in March 2009 and the Expedition 20 crew two months later transitioned the orbiting laboratory to six-person operations.

It also marked the moment when all five partner agencies were represented – NASA, the Russian Federal Space Agency (Roscosmos), Japan Aerospace Exploration Agency (JAXA),

the European Space Agency (ESA) and the Canadian Space Agency (CSA).

The crew of Expedition 19 launched to the ISS on March 26, 2009, from the Baikonur Cosmodrome in Kazakhstan. On board the Russian Soyuz TMA-14 spacecraft was Cosmonaut Gennady Padalka, Astronaut Michael Barratt and U.S. spaceflight participant Charles Simonyi, founder of International Software Corp. Padalka will command both Expedition 19 and 20. Barratt will serve as a flight engineer.

Simonyi spent 10 days on the station under a commercial agreement with Roscosmos, making his second flight to the station and becoming the first repeat spaceflight participant. He returned to Earth on Soyuz TMA-13 on April 7 with the Expedition 18 crew of Michael Fincke and Yuri Lonchakov, who had been aboard the station since October 2008.

Padalka and Barratt joined Flight Engineer Koichi Wakata, of the JAXA, who was launched to the station aboard the Space Shuttle Discovery on STS-119.

On May 27, Russian Cosmonaut Roman Romanenko, CSA Astronaut Robert Thirsk and ESA Astronaut Frank De Winne of Belgium, launched from Baikonur aboard Soyuz TMA-15, docking with the station May 29.

Thirsk became the first Canadian to fly on a long-duration spaceflight. He is scheduled to



The International Space Station as seen from the Space Shuttle Discovery as it departs at the end of the STS-119 mission.

return to Earth in the fall on Shuttle Atlantis at the conclusion of the STS-129 mission.

The Shuttle Endeavour is targeted to launch in the early summer on STS-127. This flight will deliver the Japanese Experiment Module-Exposed Facility and the Experiment Logistics Module-Exposed Section for the Kibo laboratory. The exposed section is a "front porch" on which experiments will be mounted for long-duration exposure to space.

The mission also will deliver NASA astronaut Tim Kopra to the complex to replace Wakata, who will return to Earth aboard Endeavour. Kopra will remain on board the station until August when he is scheduled to come home on Discovery's STS-128 mission that will deliver his replacement, Nicole Stott.

Stott will spend a little more than three months in orbit and is slated to return to Earth with Romanenko and De Winne on the Soyuz TMA-15 when the Expedition 21 crew replaces them in late November.

CREW PROFILE



Gennady Padalka

Gennady Padalka (Colonel, Russian Air Force)
Expedition 19 & 20 Commander, & Soyuz Commander
Born: June 21, 1958 in Krasnodar, Russia.

Education: Graduated from Eisk Military Aviation College, 1979.

Experience: Selected as a Cosmonaut in 1989, Padalka was commander of Expedition 9 in 2004.



Michael Barratt

Michael Barratt (M.D.)
Expedition 19 & 20 Flight Engineer

Born: April 16, 1959 in Vancouver, Washington, but considers Camas, Washington, to be his hometown.

Education: Graduated from University of Washington, 1981, with a bachelors degree in Zoology. Later earned an M.D. at Northwestern University in 1985.

Experience: Selected as an astronaut in 2000, Expedition 19 is his first spaceflight.



Roman Romanenko

Roman Romanenko (Lieutenant Colonel, Russian Air Force)
Expedition 20 Flight Engineer & Soyuz Commander

Born: August 9, 1971, in Schelkovo, Moscow Region.

Education: Graduated from the Leningrad Suvorov military school, 1988, and from the Chernigov High Air Force School of Pilots, 1992 as a pilot-engineer.

Experience: Selected as a cosmonaut in 1997, Expedition 20 is his first spaceflight.



Frank De Winne

Frank De Winne
Expedition 20 Flight Engineer & Expedition 21 Commander

Born: April 25, 1961 in Ghent, Belgium.

Education: Graduated from the Royal School of Cadets, Lier, in 1979. Received a

masters degree in telecommunications and civil engineering from the Royal Military Academy, Brussels, 1984.

Experience: In January 2000, Frank De Winne joined the European Astronaut Corps. He participated in the 11-day Soyuz TMA-1 mission to the ISS.



Robert Thirsk

Robert Thirsk (MDCM)
Expedition 20 Flight Engineer

Born: August 17, 1953, New Westminster, British Columbia.

Education: Received a bachelors degree in Mechanical Engineering from the University of Calgary, 1976, a masters in

Mechanical Engineering from the Massachusetts Institute of Technology, 1978, a doctorate of Medicine from McGill University, 1982, and a Master of Business Administration from the MIT Sloan School of Management, 1998.

Experience: Selected as an astronaut in 1983, his first space flight was STS-78 in 1996.



Timothy Kopra

Timothy Kopra (Colonel, U.S. Army)
Expedition 20 Flight Engineer

Born: Born on April 9, 1963, in Austin, Texas.

Education: Earned a bachelors degree from the United States Military Academy, West Point, 1985, a masters in Aerospace Engineering, Georgia Institute of Technology, 1995.

Experience: Selected as an astronaut in 2000, Expedition 20 will be his first space flight.



Nicole Stott

Nicole Stott
Expedition 20 Flight Engineer

Born: Albany, New York, she considers Clearwater, Florida to be her hometown.

Education: Earned a bachelors degree in Aeronautical Engineering from Embry-Riddle

Aeronautical University, 1987, and a masters in Engineering Management from the University of Central Florida, 1992.

FOR MORE INFORMATION CONTACT:

United Space Alliance
Communications and Public Relations
M/C USH-100B
1150 Gemini Avenue
Houston, Texas 77058
www.unitedspacealliance.com



United Space Alliance
Communications and Public Relations
M/C USK-558
8550 Astronaut Blvd.
Cape Canaveral, Florida 32920-4304