

# EXPEDITION

27 & 28



**GC Notes Of Interest**

**Increment Lead GC: Tom Holmes**

**Increment Backup GC: Aaron Frith**

## Mission Overview

**Expedition 27 and 28 time frame starts from when the crew arrives in March and ends in September.**

**Characterized by a lot of visiting vehicles, logistics, transfer of supplies to and from various vehicles.**

**Visiting vehicles consist of two Soyuz, 26S which arrives with the remainder of the Expedition 27 crew in April, and 27S which will bring the rest of the Expedition 28 crew in June.**

**Other vehicles are two Progress resupply vehicles, the ATV (Automated Transfer Vehicle), and the Japanese HTV (H-II Transfer Vehicle), as well as two of the last space shuttle missions.**



# ISS Crew Expedition 27 & 28 Soyuz 26/27 Crew Exchange



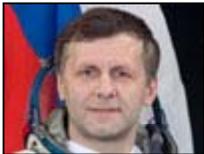
As commander of Soyuz TMA-20, cosmonaut Dmitry Kondratyev traveled to the International Space Station to serve as an Expedition 26 flight engineer and Expedition 27 commander.



**Air Force Colonel** Catherine Coleman flew aboard the Soyuz TMA-20 spacecraft to serve as a flight engineer for Expeditions 26 and 27.



European Space Agency astronaut Paolo Nespoli traveled to the International Space Station aboard the Soyuz TMA-20 spacecraft to serve as a flight engineer for Expeditions 26 and 27.



Cosmonaut Borisenko will fly to the International Space Station aboard the Soyuz TMA-21 to serve as an Expedition 27 flight engineer and as the Expedition 28 commander.



**NASA Astronaut** Ron Garan will fly to the International Space Station aboard the Soyuz TMA-21 spacecraft to serve as a flight engineer for Expeditions 27 and 28.



Cosmonaut Alexander Samokutyaev will travel to the International Space Station aboard the Soyuz TMA-21 spacecraft to serve as a flight engineer for Expeditions 27 & 28.

## Increment 27 Patch



- ISS027-S-001 (August 2010) --- The Expedition 27 patch depicts the International Space Station (ISS) prominently orbiting Earth, continuing its mission for science, technology and education.
- The ISS is an ever-present reminder of the cooperation between the United States, Russia, Japan, Canada, and the European Space Agency (ESA) -- and of the scientific, technical, and cultural achievements that have resulted from that unique teamwork. The ISS is shown in its completed status with the latest addition of the Alpha Magnetic Spectrometer (AMS), and with two resupply vehicles docked at each end of the station.
- The Southern Cross Constellation is also show in the foreground and its five stars, along with the sun, symbolize the six international crew members that live and work on the space station. The Southern Cross is one of the smallest modern constellations, and also one of the most distinctive. It has cultural significance all over the world and inspires teams to push the boundaries of their worlds, both in space and on the ground.

## Increment 28 Patch



▪ISS028-S-001 (Sept. 2010) --- In the foreground of the Expedition 28 patch, the International Space Station is prominently displayed to acknowledge the efforts of the entire International Space Station (ISS) team - both the crews who have assembled and operated it, and the team of scientists, engineers, and support personnel on Earth who have provided a foundation for each successful mission. Their efforts and accomplishments have demonstrated the Space Station's capabilities as a technology test bed and a science laboratory, as well as a path to the human exploration of our solar system and beyond.

▪This Expedition 28 patch represents the teamwork among the international partners -- USA, Russia, Japan, Canada, and the ESA - and the ongoing commitment from each partner to build, improve, and utilize the ISS. Prominently displayed in the background is our home planet, Earth - the focus of much of our exploration and research on our outpost in space.

▪Also prominently displayed in the background is the Moon. The Moon is included in the design to stress the importance of our planet's closest neighbor to the future of our world. Expedition 28 is scheduled to occur during the timeframe of the 50th anniversary of both the first human in space, Russian cosmonaut Yuri Gagarin and the first American in space, astronaut, Alan Shepard. To acknowledge the significant milestone of 50 years of human spaceflight, the names "П'P°PiP°CṬPëPS" and "Shepard" as well as "50 Years" are included in the patch design.

# Increment 27/28

## 2011 Significant Events

