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SPACE SHUTTLE (STS-112/ATLANTIS)

STS-112 will set the stage for the outward expansion of the International Space Station (ISS) with the delivery of a 14-ton S1 (S-One) truss segment to the orbiting outpost. The 6-member crew of STS-112/Space Shuttle Atlantis will perform three spacewalks to install, activate and outfit the S1, which will be attached to the starboard end of the S0 (S-Zero) truss. The main purpose of the S1 truss is to provide structural support for the radiator panels that cool the ISS's complex power system. The 11-day flight of STS-112 (also designated ISS Flight 9A) will be the 15th Shuttle mission to visit the space station and the ninth assembly mission of the ISS.

THE STS-112 CREW – Commander **Jeffrey S. Ashby**, a veteran astronaut of two prior spaceflights, has logged more than 400 hours in space. The former combat-test pilot has accumulated over 7000 flight hours and 1000 aircraft carrier landings before his selection to the astronaut corps in 1995. Pilot **Pamela A. Melroy**, selected as an astronaut candidate in 1994, will make her second trip into space aboard STS-112. She has logged over 309 hours in space. Two-time veteran Mission Specialist **David A. Wolf**, an astronaut since 1990, has logged 142 days in space including a 4-hour EVA in a Russian Orlan spacesuit. Rookie mission specialist **Piers J. Sellers** was selected by NASA as an astronaut candidate in 1996. He has worked on research into how the Earth's biosphere and atmosphere interact. **Sandra H. Magnus**, an astronaut with NASA since 1996, will serve as mission specialist on her first space trip. Before joining NASA, she was a Stealth research and development engineer. Mission Specialist **Fyodor N. Yurchikhin** of the Russian Space Agency was qualified as a test cosmonaut in 1999 and has completed training in the test-cosmonaut group for the ISS program. STS-112 will be his first spaceflight.

THE STS-112 INSIGNIA – The 8-sided STS-112 emblem depicts ISS from the viewpoint of a departing Shuttle, with the installed S1 truss segment outlined in red. A gold trail represents a portion of the Shuttle Orbiter rendezvous trajectory. Where the trajectory meets the space station, a nine-pointed star represents the combined on-orbit team of six Shuttle and three ISS crew members who together will complete the S1 truss installation. The same trajectory continues beyond the ISS, ending in a six-pointed star resembling the Shuttle Atlantis and the STS-112 crew.