



Endeavour STS-134



THE MISSION:

Space shuttle Endeavour's six-member crew will deliver the Alpha Magnetic Spectrometer-2 (AMS) and the Express Logistics Carrier-3 (ELC-3) with spare parts to the International Space Station on the STS-134 mission. The AMS experiment is a state-of-the-art particle physics detector that will help advance knowledge of the universe and its origins.

During the 14-day flight, mission specialists will make four spacewalks to upgrade and equip parts of the space station's exterior. The AMS will be attached to the station's S3 truss segment. The ELC-3, containing two S-band communications antennas, a high-pressure gas tank, spare parts for the two-armed robot named Dextre and micrometeoroid debris shields, will be attached to the P3 truss segment.

STS-134 is Endeavour's 25th and last scheduled flight, the 134th shuttle mission and the 36th flight to the space station.

THE CREW:

Commander Mark Kelly will lead the STS-134 crew on his fourth spaceflight. Greg H. Johnson will serve as pilot on his second spaceflight. Mission specialists are Michael Fincke, Greg Chamitoff, Andrew Feustel, and European Space Agency astronaut Roberto Vittori.