



STS-125

THE MISSION

Space shuttle Atlantis' STS-125 mission culminates the technological progress NASA has made to upgrade and enhance the Hubble Space Telescope's scientific capabilities. This is the 126th space shuttle mission, the 30th flight for Atlantis and the fifth and final shuttle Hubble servicing mission.

Two new instruments will be added to Hubble, the Cosmic Origins Spectrograph and the Wide Field Camera 3. A flight spare known as the Science Instrument Command and Data Handling system will replace one that failed on Hubble last year. The first in-orbit repairs will be made to the Space Telescope Imaging Spectrograph and the Advanced Camera for Surveys. The installation of new gyroscopes, battery modules and thermal blankets will support Hubble through at least 2014.

THE CREW

Commander Scott Altman will lead the crew and Gregory C. Johnson will serve as pilot. Mission specialists are veteran spacewalkers John Grunsfeld and Mike Massimino, as well as first-time space fliers Andrew Feustel, Michael Good and Megan McArthur.

