FERGUSON
HURLEY
MAGNUS
WALHEIM
STS
135

STS
135

Image above: Pictured in the STS-135 crew portrait are NASA astronauts Chris Ferguson (center right), commander; Doug Hurley (center left), pilot; Rex Walheim and Sandy Magnus, both mission specialists. Image credit: NASA

The NASA Authorization Act of 2010 directs NASA to conduct the STS-135 mission. The Space Shuttle Program has added the mission to the manifest to prepare for a potential target launch date in early July.

Atlantis will carry the Raffaello multipurpose logistics module to deliver supplies, logistics and spare parts to the International Space Station. The mission also will fly a system to investigate the potential for robotically refueling existing spacecraft and return a failed ammonia pump module to help NASA better understand the failure mechanism and improve pump designs for future systems.