

# Upcoming Space Shuttle Missions

Updated April 14, 2011 (replaces April 15)

Kennedy Space Center Media Services

<b>STS Mission No.</b> (shuttle program flight no.)	<b>STS-134</b> (134)	<b>STS-135</b> (135)
<b>Orbiter</b> (orbiter flight no.)	Endeavour/OV-105 (25)	Atlantis/OV-104 (33)
<b>Primary Mission</b>	36th ISS flight (ULF6) - ELC3, AMS2	37th ISS flight (ULF7) - MPLM Raffaello, LMC, RRM
<b>Targeted Launch Date** Time</b>	<b>April 29</b> 3:47 p.m. EDT	<b>June 28</b> 3:40 p.m. EDT
<b>Estimated Launch Window</b>	5-10 minutes	5-10 minutes
<b>Mission Duration</b>	14 days	12 days
<b>Inclination/ Orbital Insertion Altitude</b>	51.6 degrees 122 nautical miles	51.6 degrees 122 nautical miles
<b>Crew Members</b> (no. of times launched on shuttle)	Cdr: Mark Kelly (4) Plt: Gregory H. Johnson (2) MS: Michael Fincke (1) MS: Roberto Vittori (ESA) (1) MS: Andrew Feustel (2) MS: Greg Chamitoff (2)	Cdr: Chris Ferguson (3) Plt: Doug Hurley (2) MS: Sandy Magnus (2) MS: Rex Walheim (3)

*\*\*Official launch dates are set at the Flight Readiness Review.*

*\*Information was added since the last chart.*

*All remaining shuttle flights are from Pad 39A.*

**AMS** = Alpha Magnetic Spectrometer    **ASI** = Italian Space Agency    **Cdr** = Commander    **CNES** = French Space Agency    **CSA** = Canadian Space Agency  
**ELC** = EXPRESS Logistics Carrier    **ESA** = European Space Agency    **ESP** = External Stowage Platform    **ICC** = Integrated Cargo Carrier  
**ISA** = Israel Space Agency    **ISS** = International Space Station    **ITS** = Integrated Truss Segment    **JAXA** = Japan Aerospace eXploration Agency  
**KSC** = Kennedy Space Center    **Lab** = Laboratory    **LMC** = Lightweight Multi-Purpose Experiment Support Structure Carrier  
**MPLM** = Multi-Purpose Logistics Module    **MRM** = Mini Research Module    **MS** = Mission Specialist    **NET** = no earlier than    **no.** = number    **OV** = Orbiter Vehicle  
**Pit** = Pilot    **PMM** = Permanent Multi-purpose Module    **PS** = Payload Specialist    **RMS** = Remote Manipulator System    **RRM** = Robotic Refueling Mission  
**RSA** = Russian Aviation and Space Agency    **STS** = Space Transportation System    **TBD** = to be determined    **UF** = utility/utilization flight  
**ULF** = utilization and logistics flight    **U/R** = under review    **VLD** = Vertical Light Deployment