

# Remaining Space Shuttle Missions

**B**elow are the approved target dates for the launches remaining in the Space Shuttle Program.

## STS-128

**Launch Target:** August 25  
at 1:36 a.m. EDT

**Shuttle:** Discovery

**Duration:** 13 days



### Crew:

Mission Commander Rick Sturckow  
Pilot Kevin Ford  
Mission Specialists John "Danny" Olivas, Christer Fuglesang/European Space Agency, Patrick Forrester, Jose Hernandez and Nicole Stott/Expedition 20/21

**Mission:** Deliver the Multi-Purpose Logistics Module and the Lightweight Multi-Purpose Experiment Support Structure.

**Info:** STS-128 is the 30th shuttle mission to the International Space Station.

## STS-129

**Launch Target:** Nov. 12, 2009  
at 4:22 p.m. EST

**Shuttle:** Atlantis

**Duration:** 12 days



### Crew:

Commander Charles Hobaugh  
Pilot Barry Wilmore  
Mission Specialists Robert Satcher, Michael Foreman, Randy Bresnik and Leland Melvin

**Mission:** Deliver EXPRESS Logistics Carriers 1 and 2

**Info:** The carriers hold two spare gyroscopes, two nitrogen tank assemblies, two pump modules, an ammonia tank assembly, a spare latching end effector for the station's robotic arm, a spare trailing umbilical system for the

Mobile Transporter and a high-pressure gas tank. STS-129 is the 31st shuttle mission to the International Space Station. Astronaut Nicole Stott will return to Earth aboard Atlantis.

## STS-130

**Launch Target:** Feb. 4, 2010  
at 6:20 a.m. EST

**Shuttle:** Endeavour

**Duration:** 12 days



### Crew:

Commander George Zamka  
Pilot Terry Virts  
Mission Specialists Bob Behnken, Nicholas Patrick, Kathryn Hire and Steve Robinson

**Mission:** Deliver Node 3, named Tranquility, and the Cupola, a robotic control station with six windows around its sides and another in the center that provides a 360-degree view around the station. At least three spacewalks are planned.

**Info:** This will be the 32nd shuttle station assembly mission.

## STS-131

**Launch Target:** March 18, 2010  
at 1:08 p.m. EDT

**Shuttle:** Discovery

**Duration:** 12 days



### Crew:

Commander Alan Poindexter  
Pilot Jim Dutton  
Mission Specialists Rick Mastracchio, Clay Anderson, Dorothy Metcalf-Lindenburger, Stephanie Wilson and Naoko Yamazaki/Japan Aerospace and Exploration Agency

**Mission:** Deliver a Multi-Purpose Logistics Module filled with science racks to be transferred to laboratories on the International Space Station.

NASAfacts

**Info:** Three spacewalks will include work to attach a spare ammonia tank assembly outside the station and return a European experiment from outside the Columbus module. This will be the 33rd shuttle mission to the station.

## STS-132

**Launch Target:** May 14, 2010 at 3:05 p.m. EDT

**Shuttle:** Atlantis

**Duration:** 11 days

### Crew:

Commander Ken Ham

Pilot Tony Antonelli

Mission Specialists Stephen Bowen, Karen Nyberg,  
Garrett Reisman and Piers Sellers



**Mission:** Deliver an Integrated Cargo Carrier and Russian-built Mini Research Module to the International Space Station.

**Info:** The second in a series of new pressurized components for Russia, a Mini Research Module, will be permanently attached to the bottom port of the Zarya module. The Russian module also will carry U.S. pressurized cargo. Three spacewalks are planned to stage spare components outside the station, including six spare batteries, a boom assembly for the Ku-band antenna and spares for the Canadian Dextre robotic arm extension. A radiator, airlock and European robotic arm for the Russian Multi-purpose Laboratory Module also are payloads on the flight. This will be the 34th shuttle mission to the station.

## STS-133

**Launch Target:** July 29, 2010 at 8:45 a.m. EDT

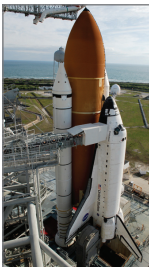
**Shuttle:** Endeavour

**Duration:** 12 days

**Crew:** TBD

**Mission:** Deliver Express Logistics Carriers 3 and a Multi-Purpose Logistics Module

**Info:** Spare parts including two S-band communications antennas, a high-pressure gas tank, additional spare parts for Dextre and



micrometeoroid debris shields This will be the 35th shuttle mission to the station.

## STS-134

**Launch Target:** Sept. 16, 2010 at 1 p.m. EDT

**Shuttle:** Discovery

**Duration:** 12 days

**Crew:** TBD

**Mission:** Deliver Express Logistics Carriers 4 and the Alpha Magnetic Spectrometer to the International Space Station.

**Info:** This will be the 134th and final shuttle flight and the 36th shuttle mission to the station.



*On the sixth attempt, Endeavour launches July 15, 2009, on the STS-127 mission.*

*Mission insignia for missions STS-129 to STS-134 have not yet been released . They will be added as they become available.*

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