National Aeronautics and Space Administration

Remaining Space Shuttle Missions

NASAfacts

Below are the approved target dates for the launches remaining in the Space Shuttle Program.

STS-127

Launch Target: June 13, 2009 at 7:17 a.m. EDT

Shuttle: Endeavour

Duration: 16 days

Crew:

Commander Mark Polansky
Pilot Doug Hurley
Mission Specialists Christopher Cassidy, Tom Marshburn, Dave Wolf, Julie Payette/Canadian Space Agency, and Tim Kopra

Mission: Deliver and install the Kibo-Japanese Experiment Module Exposed Facility, or JEM-EF; the Kibo-Japanese Experiment Logistics Module-Exposed Section, or ELM-ES; and the Integrated Cargo Carrier.

Info: The JEM-EF facility will provide a type of "porch" for experiments in the exposed environment, and a robotic arm that will be attached to the Kibo Pressurized Module to position experiments outside the station. Endeavour's crew will perform five spacewalks and deliver six new batteries for the P6 truss, a spare drive unit for the Mobile Transporter and a spare boom assembly for the Ku-band antenna. STS-127 is the 29th shuttle mission to the International Space Station and the 127th space shuttle mission.

STS-128

Launch Target: Aug. 6, 2009 at 8:49 a.m. EDT

Shuttle: Discovery

Duration: 11 days

Crew:

Mission Commander Rick Sturckow
Pilot Kevin Ford
Mission Specialists John "Danny" Olivas, Christer Fugelsang/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: 15 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. Canadian Space Agency astronaut Robert Thirsk will return to Earth aboard Discovery.

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. EST
Shuttle: Atlantis
Duration: 11 days

Crew:
Commander Alan Poindexter
Pilot Jim Dutton
Mission Specialists Rick Mastracchio, Clay Anderson, Dorothy Metcalf-Lindenburger, Stephanie Wilson and Naoko Yamazaki/Japanese 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.

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

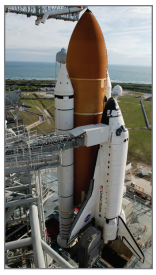
Launch Target: May 14, 2010 at 3:05 p.m. EDT
Shuttle: Discovery
Duration: 11 days

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: 15 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: TBD

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.

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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