



Remaining Space Shuttle Missions

Below are the approved target dates for the launches remaining in NASA's Space Shuttle Program

STS-132

Launch Target: May 14, 2010
at 2:20 p.m. EDT
Shuttle: Atlantis
Duration: 12 days

Crew:
Commander Ken Ham
Pilot Tony Antonelli
Mission Specialists Steve Bowen, Michael Good, 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, the Mini Research Module-1, 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: Sept. 16, 2010
at 11:57 a.m. EDT
Shuttle: Discovery
Duration: 8 days

Crew:
Commander Steven Lindsey
Pilot Eric Boe
Mission Specialists Alvin Drew, Michael Barratt, Tim Kopra and Nicole Stott

Mission: Deliver Express Logistics Carrier 4 and critical spare components to the International Space Station.



Info: Attach the Permanent Multi-Purpose Module, or PMM, to the station. The PMM is the modified Leonardo multi-purpose logistics module that will be left aboard the station. This will be the 35th shuttle mission to the station.

STS-134

Launch Target: No earlier than mid-November 2010
Shuttle: Endeavour
Duration: 10 days

Crew:
Commander Mark Kelly
Pilot Gregory H. Johnson
Mission Specialists Michael Fincke, Greg Chamitoff, Andrew Feustel and European Space Agency astronaut Roberto Vittori



Mission: Deliver Express Logistics Carrier 3 and the Alpha Magnetic Spectrometer to the International Space Station.

Info: Deliver 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 36th shuttle mission to the station and the 134th and final scheduled shuttle flight.

Space Shuttle Commemorative Patch

A compact disk containing the digital copies of all entries submitted to NASA's Space Shuttle Program Commemorative Patch Contest will be flown on STS-132. The contest was held to mark the end of the shuttle era. The winning patch, right, was designed by Blake Dumesnil of Hamilton Sundstrand, at Johnson Space Center. A panel of NASA judges selected the winning patch from 85 entries submitted by NASA employees and contractors.



NASAfacts

Mission insignia for the STS-133 mission has not been released. It will be added when it becomes available.