



# Remaining Space Shuttle Missions

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

## 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.

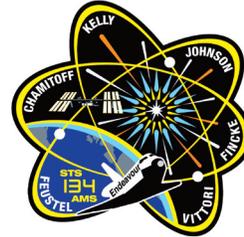
**Info:** Attach the Permanent Multi-Purpose Module, or PMM, to the station. The PMM is the modified Leonardo multi-purpose logistics module that will be left aboard the station. This will be the 35th shuttle mission to the station.

## STS-134

**Launch Target:** No earlier than late-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 flew 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.**