

SPACE DAILY



www.Telescopes.com

TELESCOPES SUPER SALE!

100s of Telescopes on Sale Now

FREE SHIPPING!

Feedback - Ads by Google

SPACE DAILY

your portal to space

March
19,2009

MARCH 19, 2009
SpaceDaily Advertising Kit
Powered By HTMLdb.com

MOON DAILY

Lunar Reconnaissance Orbiter Is Shipped To Florida

by Staff Writers
Greenbelt MD (SPX) Feb 12, 2009

NASA's Lunar Reconnaissance Orbiter, or LRO, spacecraft was loaded on a truck Wednesday to begin its two-day journey to NASA's Kennedy Space Center in Florida. Launch is targeted for April 24.

The spacecraft was built by engineers at Goddard, where it recently completed two months of tests in a thermal vacuum chamber. During its time in the chamber, the spacecraft was subjected to hot and cold temperatures it will experience as it orbits the moon.

The satellite's mission is one of the first steps in NASA's plan to return astronauts to the moon. LRO will spend at least one year in a low polar orbit on its primary exploration mission, with the possibility of three more years to collect additional detailed scientific information about the moon and its environment.

The orbiter will carry seven instruments to provide scientists with detailed maps of the lunar surface and enhance our understanding of the moon's topography, lighting conditions, mineralogical composition and natural resources.

Information gleaned from LRO will be used to select safe landing sites, determine locations for future lunar outposts and help mitigate radiation dangers to astronauts. The polar regions of the moon are the main focus of the mission



Accompanying LRO on its journey to the moon will be the Lunar Crater Observation and Sensing Satellite, or LCROSS, a mission that will impact the lunar surface in its search for water ice. The LCROSS mission is managed by NASA's Ames Research Center at Moffett Field, Calif.



Training Space Professionals
Since 1970!

[USRocketShips](http://www.usrocketships.com)

\$5 Bumper Stickers Support My Rocket Program
www.usrocketships.com

[Free Internet Radio](http://Radio.alottoolbars.com)

Listen to Your Internet Radio Free Stations Easily w/
the Free Toolbar
Radio.alottoolbars.com

[Satellite Radio Channels](http://www.satellitetoday.com/stg/)

Need Satellite Programming Info? Satellite
Transponder Guide has it!
www.satellitetoday.com/stg/

because continuous access to sunlight may be possible and water ice may exist [Ads by Google](#) in permanently shadowed areas of the poles.

"This is the culmination of four years of hard work by everyone on the LRO Project," said Cathy Peddie, LRO deputy project manager at NASA's Goddard Space Flight Center in Greenbelt, Md.

"LRO now begins its launch site processing, where it will be prepped for integration with our sister mission LCROSS, and eventually encapsulated in the Atlas V for its journey to the moon."

LRO's instruments have considerable heritage from previous planetary science missions, enabling the spacecraft to transition to a research phase under the direction of NASA's Science Mission Directorate one year after launch.

Accompanying LRO on its journey to the moon will be the Lunar Crater Observation and Sensing Satellite, or LCROSS, a mission that will impact the lunar surface in its search for water ice. The LCROSS mission is managed by NASA's Ames Research Center at Moffett Field, Calif.

Goddard manages the Lunar Reconnaissance Orbiter for NASA's Exploration Systems Mission Directorate in Washington.

Silicone Oil Replacement

With No Equipment
Modifications 20%
Flow Rate
Improvement, to -
100C

www.paratherm.com/HeatTransfer

New [Comments: 0](#)