

MOON DAILY SPACE DAILY SPACE WAR MARS DAILY SPACE MART SATURN DAILY SPACE



Search

MOON DAILY

the discovery, exploration and application of luna

Get Our Free Newsletters Via Email

your email address

yes

Search All Our Sites at SpaceBank

Search

MOON DAILY

Lunar Reconnaissance Orbiter Successfully Completes Critical Design Review

by Staff Writers

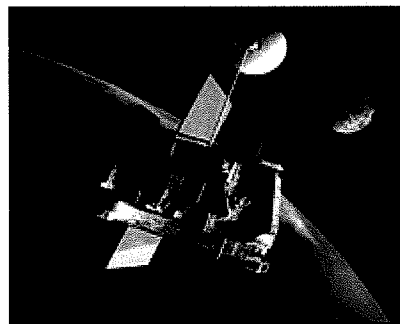
Greenbelt MD (SPX) Dec 08, 2006

The Lunar Reconnaissance Orbiter (LRO) successfully completed its Critical Design Review (CDR) on Thursday, November 9, 2006. The review was held to present the complete system design developed at NASA's Goddard Space Flight Center, and to make sure that technical issues have been properly addressed. Additionally, it ensured that the design maturity justifies the start of manufacturing mission hardware and software.

As a result of this major assessment, NASA's independent review board provided a green light for proceeding into the fabrication and integration phase of the project.

The first in a series of robotic missions to the moon, the lunar orbiter is scheduled for launch in October 2008. It will carry six science instruments and a technology demonstration. The mission goal is to expand the coverage and accuracy of lunar maps and environmental data, enabling selection of landing sites for future robotic and human lunar missions.

"LRO will lead the way for NASA to reduce many of the major physical uncertainties in the basic definition of the moon itself, especially filling in gaps in our understanding of lunar topography, temperature, and resources including potential hydrogen and water, and in the information about the lunar poles," said Tony Lavoie, NASA's Lunar Precursor and Robotic Program Manager. "A solid performance as a result of this CDR review allows us to have high confidence



The LRO Critical Design Review began November 6, 2006 at NASA Goddard in Greenbelt, Md., where LRO will be built. The independent review board, comprised of reviewers from NASA and several external organizations, heard presentations on all aspects of LRO design. Presentations included the spacecraft construction and systems integration, the science operations center, testing, and safety requirements.



Orion Spacecraft

Learn All About NASA's New Videos!

www.OrionSpacecraft.com

Frontlines: Fuel of War
Unlock the Secrets of Fro Combat USA!

www.exeoinc.com

that the LRO team at Goddard will make it to the launch pad on time for this crucial launch." LRO is part of NASA's Lunar Precursor and Robotic Program, located at the Marshall Space Flight Center, Huntsville, Ala.

The LRO Critical Design Review began November 6, 2006 at NASA Goddard in Greenbelt, Md., where LRO will be built. The independent review board, comprised of reviewers from NASA and several external organizations, heard presentations on all aspects of LRO design. Presentations included the spacecraft construction and systems integration, the science operations center, testing, and safety requirements.

Critical Design Reviews are one-time programmatic events that bridge the design and manufacturing stages of a project. A successful review means that the design is validated and will meet its requirements, is backed up with solid analysis and documentation, and has been proven to be safe. LRO's CDR completion grants Goddard permission to begin manufacturing hardware.

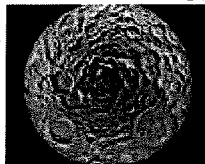
[Email This Article](#)

Related Links

Lunar Reconnaissance Orbiter
Lunar Dreams and more
Mars News and Information at MarsDaily.com
Lunar Dreams and more

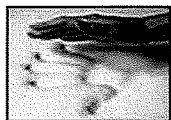
MOON DAILY

Russia Plans Lunar Mission In 2012, Eyes US Lunar Return Partnership



Moscow, Russia (RIA Novosti) Dec 08, 2006

Russia will launch its first major mission to the Moon, Luna-Glob, in 2012 after a 30-year break from lunar exploration, a space agency spokesman said Thursday.



[Memory Foam Mattress Review](#)

SPACE MEDIA NETWORK CLASSIFIED ADVERTISING

[Solar Energy Solutions](#) ::

[Shop for telescopes online](#) :: [Tempur-Pedic Mattress Comparison](#)

[Myspace Layouts Editor](#)

**Newsletters :: SpaceDaily Express :: SpaceWar Express :: TerraDaily Express :: Energy Da
XML Feeds :: Space News :: Earth News :: War News :: China News**

SPACE TRAVEL

- Element 21 Golf Company Golf Shot In Space Generates Unprecedented Retailer Interest
- Columbus Control Center: Europe's First
- Out-Of-This-World Cuisine
- Russia Will Develop Space Elevators - Part 2

NUCLEAR SPACE

- Could NASA Get To Pluto Faster? Space Expert Says Yes - By Thinking Nuclear
- NASA plans to send new robot to Jupiter
- Los Alamos Hopes To Lead New Era Of Nuclear Space Tranportion With Jovian Mission
- Boeing Selects Leader for Nuclear Space Systems Program

MARSDAILY

- NASA Images Suggest Water Still Flows In Brief spurts On Mars
- Mars Reconnaissance Orbiter Images Spirit Atop Columbia Hills
- Spirit Slowly Begins Driving Again
- Opportunity Tests New Driving Software And Helps Its Sister Space

EXO WORLDS

- A Giant Planet Embedded In The Magnetosphere Of Its Star
- Corot And The New Chapter Of Planetary Searches
- NASA Completes Technology Breakthroughs for NASA's SIM Plane
- Rocky Worlds

Ads by Google

Orion Spacecraft

Learn All About NASA's New Spacecraft. View Photos & Videos!
www.OrionSpacecraft.com

Inflatable Radome

Inflatable Radome Manufacturing. High Quality Defense Technology.
www.Ceradyne-Thermo.com

Frontlines: Fuel of War

Unlock the Secrets of Frontlines: Fuel of War & Go to Air Combat USA!
www.exeoinc.com

Vertical lift module

New & Reconditioned storage lift modules at deep discounts by ATI
www.atisys.com

UAV Payload design & fab

For those who want a solution now We build optical sensors for UAVs
www.UAVpayloads.com

NANO TECH

- Former White House Science Advisor Warns Nanotechnology Potential Threatened
- Consumers Neutral On Risks, Benefits Of Nano
- US Experts Call For Tighter Controls On Nanotechnology
- Pure Carbon Nanotubes Pass First In Vivo Test

LAUNCH PAD

- Europe Postpones Launch Of Planet-Detecting Spacecraft
- United Launch Alliance Begins Operations
- Terrasar-X Scheduled For Launch From Baikonur On 27 February
- Soyuz Booster Rocket Launches From Kourou To Cost 50 Million Dollars

SPACE MEDICINE

- Air Force Rocket To Launch NASA Satellite
- Crabs Give Blood For Space Travel
- Medicine On The Final Frontier Is Studied
- Cancer Vaccines To Top \$8B

ROCKET SCIENCE

- Europropulsion Plays Key Role In Vega Development Milestone
- EERC Awarded \$5 Million Contract For The Advancement Of Tactic
- Successful Firing Of Vega's First-Stage Motor In Kourou
- Building A New Rocket: It IS Rocket Science

The content herein, unless otherwise known to be public domain, are Copyright 1995-2006 - SpaceDaily.AFP and UPI Wire Stories are copyright Agence France-Presse and United Press International. ESA PortalReports are copyright European Space Agency. All NASA sourced material is public domain. Additional copyrights may apply in whole or part to other bona fide parties. Advertising does not imply endorsement, agreement or approval of any opinions, statements or information provided by SpaceDaily on any Web page published or hosted by SpaceDaily. [Privacy Statement](#)