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LRO Enters Orbit Around the Moon

by Staff Writers
Greenbelt MD (SPX) Jun 29, 2009

The Lunar Reconnaissance Orbiter has successfully entered orbit around the moon following a nearly five-day journey. Engineers at NASA's Goddard Space Flight Center in Greenbelt, Md., confirmed the spacecraft's lunar orbit insertion at 6:27 a.m. EDT on June 23.



File image

A series of four engine burns through June 27 will finalize LRO's initial orbit. During this phase, each of its seven instruments is checked out and brought online. LRO Project Manager Craig Tooley reports that LEND and CRaTER are already online and working well.

The LRO satellite will explore the moon's deepest craters, examining permanently sunlit and shadowed regions, and provide understanding of the effects of lunar radiation on humans.

LRO will return more data about the moon than any previous mission. The spacecraft's instruments will help scientists compile high resolution, three-dimensional maps of the lunar surface and also survey it at many spectral [wavelengths](#).

At 8:25 a.m. EDT on June 26, the Lunar Reconnaissance Orbiter executed LOI-4. The 10-minute burn placed LRO in a 200 km circular polar orbit. Now in this low circular polar orbit, operations will begin to resemble the nominal mission with ground station passes coming and going on a regular frequency as the spacecraft passes behind the moon each orbit.

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By: John B. Guiseman

For years we've all heard the stories of people making internet millions and now, it appears you don't have to be a technology guru at all to quickly get started making a decent income online. It's called *Google Money Master* and it's taking the internet and business communities alike by storm.



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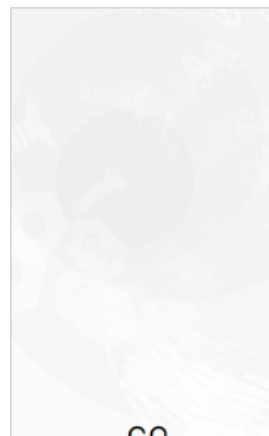
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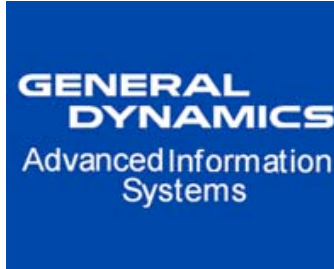
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General Dynamics Provides Communications Link For Lunar Mapping Mission

Fairfax VA (SPX) Jun 26, 2009

General Dynamics Advanced Information Systems is providing the communications link for NASA's Lunar Reconnaissance Orbiter (LRO) mission launched on June 18, 2009. The mission will use General Dynamics-made transceivers to communicate with ground control as it maps and studies the lunar [environment](#). General Dynamics Advanced Information Systems is a business unit of General Dynamics. ... read more



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