Juno Spacecraft Currently Undergoing Environmental Testing At Lockheed Martin

New Photograph Shows Spacecraft in Acoustics Testing

DENVER, March 7, 2011 /PRNewswire/ -- NASA's Juno spacecraft is currently undergoing environmental testing at Lockheed Martin's (NYSE: LMT) test facility near Denver, Colo. The solar-powered Juno will orbit Jupiter's poles 33 times to find out more about the gas giant's origins, structure, atmosphere and magnetosphere. The launch window for Juno from the Cape Canaveral Air Force Station in Florida opens Aug. 5, 2011.

In its present form, the spacecraft is fully assembled and all instruments have been integrated. A photograph of the fully assembled Juno spacecraft is available at:
http://www.lockheedmartin.com/news/press_releases/2011/0307_ss_juno.html

In this photo taken on Jan. 26, Juno had just completed tests that simulated the acoustic and vibration environment the spacecraft will experience during launch. The photo shows a Lockheed Martin technician inspecting the Jovian Auroral Distribution Experiment (JADE) instrument just after the test. All three solar array wings are installed and stowed and the large high gain antenna is in place on the top of the avionics vault.

At present, Juno is sealed up in a large thermal vacuum chamber where it is being exposed to the vacuum and extreme hot and cold temperatures it will experience on its voyage to Jupiter. The two-week-long test will simulate many of the flight activities the spacecraft will execute during the mission.

Juno is scheduled to ship from Lockheed Martin's facility to Kennedy Space Center in early April where it will undergo final preparations for launch.

NASA's Jet Propulsion Laboratory, Pasadena, Calif., manages the Juno mission for the principal investigator, Scott Bolton, of Southwest Research Institute at San Antonio, Texas. Lockheed Martin Space Systems, Denver, Colo., is building the spacecraft. The Italian Space Agency in Rome is contributing an infrared spectrometer instrument and a portion of the radio science experiment.

Headquartered in Bethesda, Md., Lockheed Martin is a global security company that employs about 132,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The Corporation's 2010 sales from continuing operations were $45.8 billion.

More information about Juno is online at http://www.nasa.gov/juno and http://www.lockheedmartin.com/juno.

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