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RECENT NEWS

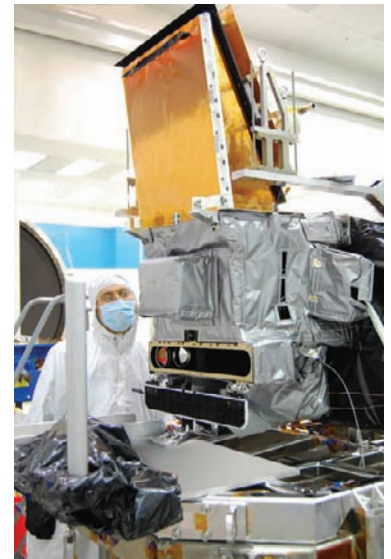
Raytheon Sensor Passes Space Simulation Test

Raytheon's Aerosol Polarimetry Sensor is performing as expected in final series of testing

Having passed vibration testing, the program has moved into its third and final phase of environmental testing. During this final testing phase the sensor will demonstrate functionality in conditions that replicate the extreme temperatures and vacuum of space. Final delivery of the sensor is scheduled for early March.

For more, go to

<http://raytheon.mediaroom.com/index.php?s=43&item=1168&pagetemplate=release>



A technician prepares the Aerosol Polarimetry Sensor for thermal vacuum testing.

Raytheon Makes Executive Changes in Space Business

Leadership team strengthened with addition of senior program executive

William G. (Bill) Hart has been named vice president for space systems within Raytheon Company's Space and Airborne Systems business. He succeeds Brian Arnold, who has been appointed vice president for space strategy. The effectiveness of Bill's unique program management and execution style is evident in his track record: all of his programs have been delivered on cost and on schedule.

Brian Arnold's new role is to engage with customers to match their future needs with viable space solutions. In this capacity, he will be working closely with leaders in the civil, military and scientific sectors.

For more, go to

<http://raytheon.mediaroom.com/index.php?s=43&item=1182>



Bill Hart



Brian Arnold

NASA's Lunar Reconnaissance Orbiter Is No. 3 in Time Magazine's 25 Best Inventions of the Year

Under contract to the Naval Air Warfare Center Weapons Division, Raytheon provided the antenna, transmitter, analog receiver and software for the Lunar Reconnaissance Orbiter's miniaturized-radio frequency (Mini-RF) system. Raytheon built a similar system, known as Mini-SAR, for the Indian Space Research Organisation's Chandrayaan-1 spacecraft. Launched in October 2008 and now orbiting the moon, Mini-SAR will help determine whether the polar regions of the moon contain ice. Both the LRO and Chandrayaan-1 missions will study and map the lunar surface in advance of possible manned missions to the moon.

For more, go to

http://www.time.com/time/specials/packages/article/0,28804,1852747_1854195_1854115,00.html



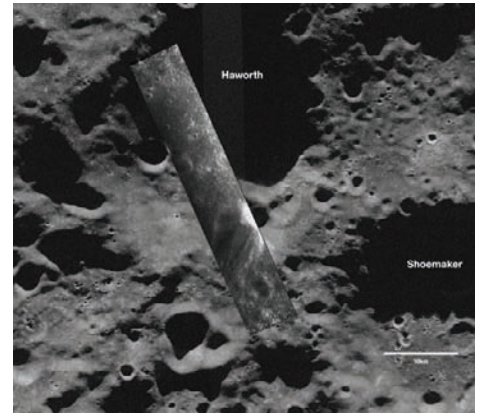
Mini-SAR Transmits Initial Images to Scientists

First images of lunar craters perpetually cast in shadow are revealed by Chandrayaan-1's Mini-SAR radar, key components of which were provided by Raytheon

According to a NASA press release, on November 17, Mini-SAR provided the world's first look at the permanently shadowed floor of Haworth Crater in the moon's south polar region. Data collected in consecutive passes over the target terrain is used to produce images in "strips" covering approximately 11 x 31 miles at each pass. The strips are then overlaid on existing imagery to form a more complete picture of the lunar topography. This technology is central to the hunt for lunar ice in the darkest and coldest regions of the moon.

For more, go to

http://www.nasa.gov/mission_pages/Mini-RF/news/2009-01-16_radar_first_look.html



The first image strips transmitted by Chandrayaan-1's Mini-SAR clearly show features of lunar crater floors that lie in total darkness.

Photo courtesy of ISRO/NASA/JHUAPL/LPI/Cornell University/Smithsonian

PRISM Deployment Further Streamlines Operations

In January 2009, Raytheon SAS and NCS sites made the transition to SAP/PRISM, integrating processes such as planning, sourcing, timekeeping, manufacturing (via integration with the shop floor software), delivery, and costing. Company-wide training in using the new system was completed by 8,000 Raytheon users well in advance of the launch to assure a smooth integration with program schedules.

PRISM is another tool used in Raytheon's ongoing efforts to reduce variability in all aspects of program execution. "When we take the variability out of the business, we take repetition and redundancy out of daily tasks. This frees us to be more creative and innovative — to truly unlock the human capacity in the organization for the benefit of our customers," says Space and Airborne Systems President Jon Jones.



Raytheon's high-bay lab features state-of-the-art equipment and rapid expandability to suit programs of any size.

Raytheon Expands Space Manufacturing Facilities

"We are 100% committed to technology and excellence," says space operations manager Jim Petts. Raytheon has invested tens of millions of dollars in 120,000 square feet of clean room space and test manufacturing area in its El Segundo plant to support the stringent requirements of space manufacturing hardware. Click the link to take a short video tour of Raytheon's space operations labs.

For more, go to

http://www.raytheon.com/broadcasts/rtn_sas_asx_labtour.asx