

2008 STELLAR AWARD NOMINEES - TEAM

Rotary National Award for Space Achievement

Advanced Technology Center Solar Modeling Team of Lockheed Martin Space Systems Company - Successful correlation of the solar magnetic field model to a complex data set from the Hinode satellite mission leading to a deeper understanding of methods required for reliable space weather forecasts.

Ares I-X Roll Control System Team of Pratt & Whitney Rocketdyne - Outstanding innovation and support to the successful design and development of the NASA Ares I-X roll control system.

Cloudsat Project Team of NASA Jet Propulsion

Laboratory - Exceptional achievement by an international joint government, university and industry team in conceiving, designing, developing, and launching the CloudSat spacecraft that provides unprecedented three-dimensional perspective of Earth's clouds to answer questions about; how they form; evolve; and affect the weather, climate and fresh water supply.

External Tank-124 Hail Damage Repair Team of Lockheed Martin Space Systems Company - Outstanding team achievement on the repair of the space shuttle's external tank (ET-124) hail damage.

External Tank Liquid Hydrogen and Oxygen Protuberance Air Load (PAL) Ramp Removal Team of the Lockheed Martin Space Systems Company - Outstanding efforts supporting PAL Ramp elimination and resulting environments assessment.

Extra Vehicular Activity (EVA) Capability Post-Shuttle-Retirement Team of the Hamilton Sundstrand Corporation - Successful development and implementation of a plan that allows U.S. EVA capability to continue after the shuttle retires in 2010 in spite of prior shuttle dependence.

Global Positioning System (GPS) Command and Control Transition Team of the United States Air Force - Successful implementation of two new GPS ground control segments; the Architecture Evolution Plan; and the launch, anomaly resolution, and disposal operations system that allows modernized signal capabilities; and improved command and control while avoiding a gap in GPS launch, anomaly resolution and disposal capability.

GOES-R Jitter Mitigation and Data Integrity Development Team of Lockheed Martin Space Systems Company - Outstanding team effort in developing a unique jitter-free approach for greatly improving data integrity and availability on GOES-R.

Impact Test Facility Development Team of NASA Marshall Space Flight Center (MSFC) - Superior efforts in expanding impact test capabilities to provide NASA/MSFC with the most versatile impact test facility in the county.

Integrated Solar Array Constraints Working Group of Booz Allen Hamilton - Exceptional support to NASA Mission Control by creating and maintaining a matrix of tradeoffs between International Space Station (ISS) solar power generation capability and associated loads concerns, contamination issues, and operational feasibility for the arrays in both normal and contingency operations.

ISS Analyzing Interferometer for Ambient Air Implementation Team of Lockheed Martin Mission

Services - Successful test, integration and on-orbit execution of the joint European Space Agency/NASA ISS flight experiment "Analyzing Interferometer for Ambient Air," including meeting a shortened schedule and resolving early on-orbit anomalies to permit successful completion of the experiment on the ISS.

ISS Flight Control Command and Control Release 6 Software Upgrade Team of NASA Johnson Space

Center - Successful on-orbit uplink of the International Space Station Command and Control Software Release 6 paving the way for the addition of the Node 2, Columbus, and Japanese Experiment Module (JEM).

ISS Hardware Software Integration Team of The Boeing Company - Outstanding dedication, professionalism, and technical excellence in support of ISS on-orbit operations and upcoming assembly missions, including international partner integration of the European Automated Transfer Vehicle 1, Columbus and JEM modules.

ISS Joint Station Local Area Network Team of The Boeing Company - Successful design, development, integration, testing and on-orbit deployment of the ISS joint station local area network that provides a high-speed, low-cost, Ethernet network for both operational and payload use throughout ISS, including U.S. and international partner modules.

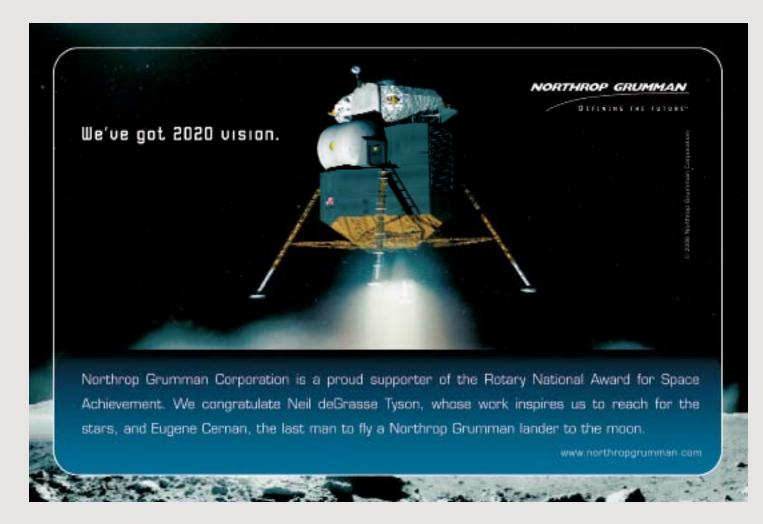
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2007 Team Winners (L to R): Joan Higginbotham (presenting), William Thomson for National Space Biomedical Research Institute Education and Outreach team, Sivaram Arepalli for ERC, Inc., Nanotube team, Gary Cooper for The Boeing Company's ISS Flight Software team, Gregory Vajdos for The Boeing Company's ISS Guidance Navigation and Control team, Thomas Duxbury for Jet Propulsion Lab's Stardust team, James Graf for Jet Propulsion Lab's Mars Reconnaissance Orbiter team, James Reilly, II (presenting). (NASA)



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2008 STELLAR AWARD NOMINEES - TEAM (continued)

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ISS Russian Computer Anomaly Resolution Team of The Boeing Company - Excellent joint team effort to provide thorough, disciplined and timely engineering analysis and issue resolution to the ISS Russian segment computer anomaly.

ISS Safety & Mission Assurance Probabilistic Risk Analysis

Team of the ARES Corporation - Outstanding efforts in
revolutionizing the use of risk data for informed decision-making
on the International Space Station.

ISS Solar Array Wing Repair Team of The Boeing

Company - Outstanding effort to ensure successful repair and deployment of the ISS solar array by identifying the root cause of the torn wing, developing the repair, identifying materials available to build it on-orbit, and testing and verifying the repairable within a 48-hour period.

Japan Aerospace Exploration Agency (JAXA) H-II Transfer Vehicle (HTV) Team of ARES Corporation - Outstanding leadership of the NASA effort to integrate the JAXA HTV into the International Space Station, including extensive work with international partners to drive the project toward a historic launch and berthing.

Joint Functional Component Command for Space Breakup Analysis Team of the USAF, 1st Space Control Squadron - Outstanding technical analysis while tracking and cataloging the largest satellite breakup in history--thus directly supporting the protection of more than 400 active satellites in low-Earth orbit, including the International Space Station.

Joint NASA/National Science Foundation/ILC Dover Inflatable Habitat Technology Demonstration Team of NASA Johnson Space Center - Successful design, construction and deployment of an inflatable structure to investigate and demonstrate concepts and technologies for future habitation in harsh environments, including Earth polar regions and other planetary surfaces.

Low-Cost, High-Thrust Monopropellant RCS Engine Development Team of Pratt & Whitney Rocketdyne -

Outstanding multi-company teamwork overcoming technical and schedule challenges in developing simple, low-cost high-thrust monopropellant engine applicable to the NASA Crew Launch Vehicle Project.

Mesoamerican Regional Visualization & Monitoring
System Team of NASA Marshall Space Flight Center Effective demonstration of the goodwill of the American
people by using NASA Earth observation satellites for
environmental management and disaster response throughout
the developing world.

National Space Biomedical Research Institute Research Leadership Team of the National Space Biomedical Research Institute - Outstanding leadership of an innovative national program to develop countermeasures, reduce biomedical risks associated with human spaceflight, and enhance health on Earth.

Nondestructive Test Digital X-Ray Team of ATK
Launch Systems - Outstanding achievement in the design,
development, and implementation of an efficient digital X-ray
system for the inspection of reusable solid rocket motor
components.

Orbital Orion Program Support Team of the ARES Corporation - Exceptional and comprehensive support of the hazard analysis for the Orion Project's launch abort system.

Personal Computer Ground (PCG) Operations Aerospace Language 2 Team of United Space Alliance - Outstanding innovation and technical excellence in developing and deploying PCG2, a state-of-the-art situational awareness tool, to the Shuttle Firing Room and shuttle engineering desktop workstations.

Reusable Solid Rocket Motor Low-Temperature Seal Material Team of ATK Launch Systems - Successful development and qualification for human-rated flight of a low-temperature seal material that dramatically extends operational temperature range and has the potential to revolutionize launch vehicle joint design.

Six-Person ISS Crew Concept Team of Booz Allen

Hamilton - Outstanding teamwork focused on the operational
concept for the transition of the International Space Station
from a crew of three to a permanent crew of six.

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Space Exploration Development Laboratory Team of Lockheed Martin Space Systems Company - Outstanding private-public partnership to develop a state-of-the-art testing and simulation facility supporting "test like you fly" development of the Orion vehicle and other Constellation space exploration elements taking humans back to the moon and on to Mars.

Space Innovation and Development Center Spectral
Imagery Applications Team of the United States
Air Force - Outstanding contribution to the development of
future space-based hyper-spectral and polarimetric imagery
technologies and procedures.

Space Medicine Advanced Projects Team of Wyle -Innovative development of the lightweight trauma module to support healthcare in space and on the battlefield.

Space Test Program, Mission 1 Team of the United States Air Force - Successful development, integration, test, launch, and operation of Space Test Program, Mission-1, combining six unique research satellites into an integrated payload stack, accomplishing numerous space technology "firsts," and paving the way for future low-cost multipayload evolved expendable launch vehicle missions.

Station Shuttle Power Transfer System Team of NASA Johnson Space Center - Successful first flight of the station-shuttle power transfer system on STS-118, enabling up to three additional docked days at the International Space Station.

STS-120/10A ISS P6 Solar Array Repair Team of MRI - Successful development and implementation of an elegant plan to add structural "cuff links" to the ISS 4B solar array that allowed full array deployment during STS-120.

Wideband Global Satellite Communications Space Vehicle-1 Launch and Mission Integration Team of the USAF Wideband Satellite Communications Group -Successful development, launch, and operations of the first wideband global satellite, Space Vehicle-1, providing an exponential leap in satellite communications capabilities to U.S. national forces.

Wing Leading Edge Impact Detection System Team of the Engineering and Science Contract - Exceptional dedication, teamwork, and technical excellence in certifying, implementing, improving, and monitoring the wing leading edge impact detection system.



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