

National Aeronautics and Space Administration



program plan

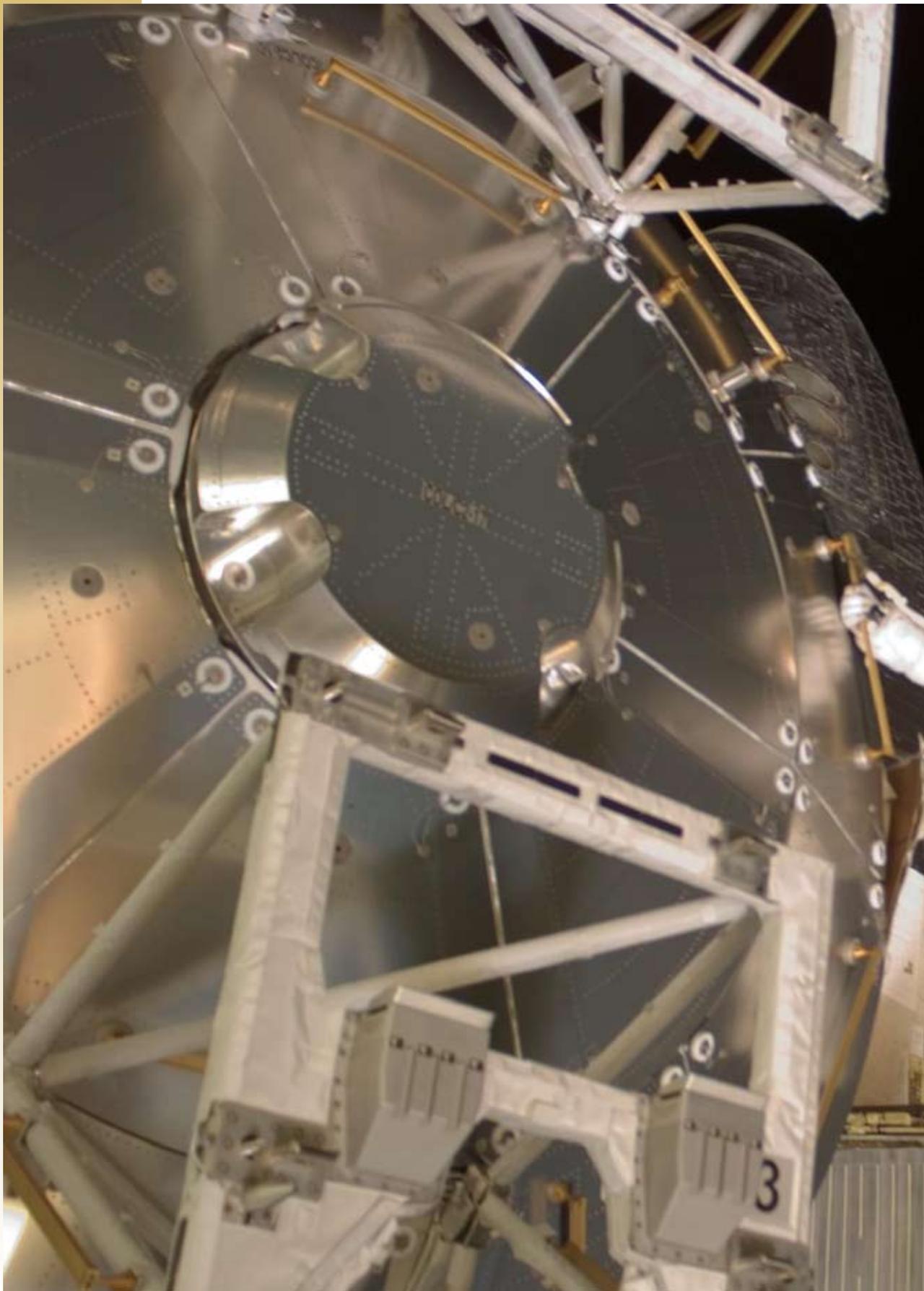
2008



www.nasa.gov



2008





The NASA Mission

To pioneer the future in space exploration, scientific discovery and aeronautics research.

The NASA Strategic Goals

- Fly the Shuttle as safely as possible until its retirement, not later than 2010.
- Complete the International Space Station in a manner consistent with NASA's International Partner commitments and the needs of human exploration.
- Develop a balanced overall program of science, exploration, and aeronautics consistent with the redirection of the human spaceflight program to focus on exploration.
- Bring a new Crew Exploration Vehicle into service as soon as possible after Shuttle retirement.
- Encourage the pursuit of appropriate partnerships with the emerging commercial space sector.
- Establish a lunar return program having the maximum possible utility for later missions to Mars and other destinations.

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Message

NASA's Space Flight Awareness (SFA) Program has a proud history of recognizing achievement in quality, safety and mission success that spans over four decades. During this past year, through NASA's human space flight program we continued to gain experience in living and working in space, building the International Space Station, and conducting research. While the Space Shuttle flew three highly successful missions to continue the International Space Station's assembly, construction began on a variety of projects designed to return astronauts to the Moon as a stepping stone for eventual human voyages to Mars.

NASA astronauts set new spaceflight records and witnessed historic milestones. Space Shuttle Commander Pam Melroy and the International Space Station's Expedition 16 Commander Peggy Whitson made history Oct. 25 when the Space Shuttle Discovery and the Station docked. As the two women shook hands through the hatches, they became the first female spacecraft commanders to simultaneously lead Space Shuttle and Station missions. Whitson, who also holds the distinction of being the first woman to command a Space Station mission, has accumulated more total time in orbit than any other female space traveler.

In addition, Sunita Williams, the International Space Station's Expedition 14 and Expedition 15 flight engineer, broke the record for the longest-duration single spaceflight by a woman with 195 consecutive days in space. She also completed the most spacewalks by a woman, and was the first astronaut to run a marathon while in orbit. Williams' crewmate, Mike Lopez-Alegria, led all astronauts with 10 spacewalks, and the amount of time spent spacewalking with 67 hours and 40 minutes. Lopez-Alegria's 215-day Space Station mission also marked the longest single spaceflight by a U.S. astronaut.

After launching three successful Space Shuttle missions in June, August and October, the International Space Station in 2007 grew in size, volume and power production. The electricity generated and consumed aboard the Station more than doubled this past year. Station's six solar panels now extend to more than half an acre of surface area. NASA astronauts and Russia cosmonauts safely

conducted 23 spacewalks devoted to building and maintaining the Station in 2007-- matching a record for the most spacewalks in a single year.

These successes did not come easily. I feel deep admiration for our teams on earth and in orbit, who worked together to overcome a number of challenges. In late-February, a hailstorm damaged Atlantis' external tank and delayed STS-117 until June; followed by a tear in the thermal blanket of the Orbital Maneuvering System pod of Atlantis; power loss from Russian computer malfunctions; and thunderstorms that forced an Edwards Air Force landing. STS-118, Endeavor lifted Barbara Morgan to orbit after a two-decade wait, while sustaining damage to the underbelly of the orbiter. The crew captured 3D images on orbit, and worked with engineers on the ground to resolve reentry concerns. The threat to mission control operations in Houston from Hurricane Dean shortened the mission. Later challenges required the STS-120 crew to repair a tear in the P6 Solar Array blanket by fashioning homemade stabilizers to strengthen the structure.

We have come so far in the last five years. The human space flight program is stronger, smarter, and better prepared for NASA's long-duration missions to other planets because of the trials we face. However, we should never forget the significance of our everyday work. We must continually guard against the threat of complacency. This year, as NASA celebrates 50 years of space exploration, we will launch five Shuttle missions in rapid succession, continuing the assembly of the International Space Station. In September, we will send a crew to the Hubble telescope to service and extend its operational life. The Space Shuttle Program has an ambitious schedule for the next three years to complete the International Space Station and support NASA's new exploration programs.

The SFA Program will continue to recognize the efforts of those who make significant contributions to the safety and success of our missions. I would like to thank the many organizations who contribute to the collaboration and success of the the SFA Program. I would also like to acknowledge the SFA National Panel Members, whose diligence and hard work makes the SFA program possible. I look forward to the achievements of the coming year.



Associate Administrator for Space Operations

SPACE FLIGHT AWARENESS MOTIVATION AND RECOGNITION PROGRAM HISTORY

NASA established the Space Flight Awareness (SFA) Motivation and Recognition Program as a formal program after the Mercury and Gemini period, to infuse the space program with a renewed and strengthened consciousness of quality and flight safety.

As NASA's human space flight program continued and developed, the NASA Centers increased the assistance they provided to the employee motivation programs of their contractors and other government agencies.

The future of space flight brings new opportunities and challenges for the SFA Program. The program must keep pace with an ever-changing environment of people, systems, and processes that design, build, fly and support human space flight.

The National SFA Panel works diligently to ensure an effective program, one of value to the human space flight workforce. The focus of the program continues to be excellence in quality and safety.

SFA Awards recognize outstanding job performance and contributions of the human space flight workforce.





Objectives

- Ensure employees involved in space flight are aware of the importance of their role in promoting safety, quality and mission success
- Increase awareness of the Space Flight Program accomplishments, milestones and objectives with a focus on safety and mission success
- Conduct events and produce products that motivate and recognize the workforce, and enhance employee morale
- Function as an internal communications team to disseminate key program safety, quality, and mission messages
- Provide management with resources to energize workforce during transition from the shuttle and station programs to the next generation of space flight programs
- Maintain supplier outreach programs



Bridging the Gap

Space Shuttle

- Keep workforce focused on the safety and missions at hand
- Foster and retain personal commitment to flight safety and mission success

International Space Station

- Increase Station visibility and continue to recognize significant milestones as we move forward with our international partners

Space Exploration

- Position Space Flight Awareness to support the Vision for Space Exploration





2008

Proposed Events

january

1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

february

STS-122: February-2008

1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29

march

STS-123: March-2008

1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

april

1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30

may

STS-124: May-2008

1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31

june

1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30

july

1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

august

STS-125: August-2008

1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31

september

STS-126: September 2008

1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30

october

Annual Safety Awareness Day: October 2008

1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

november

1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30

december

1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

2008

Space Flight Awareness Teams

- Products
- Program Plan
- 3-5 Year Plan
- Suppliers
- Metrics/Cost Performance

space flight awareness

2008

Program Products



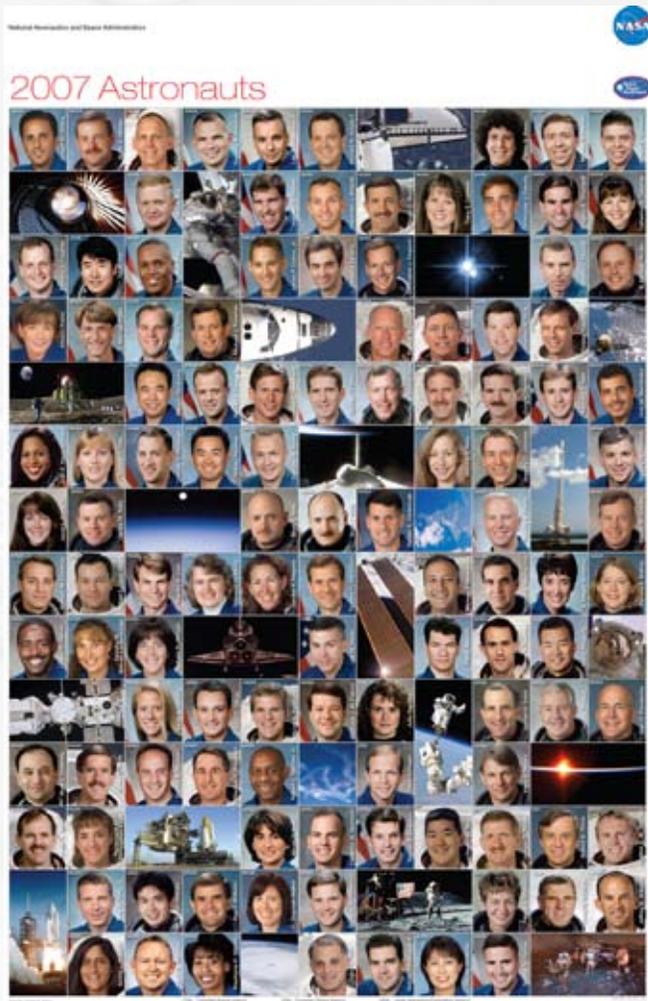
Silver Snoopy



Flight Safety Products and Awards



Decals



Astronaut Poster

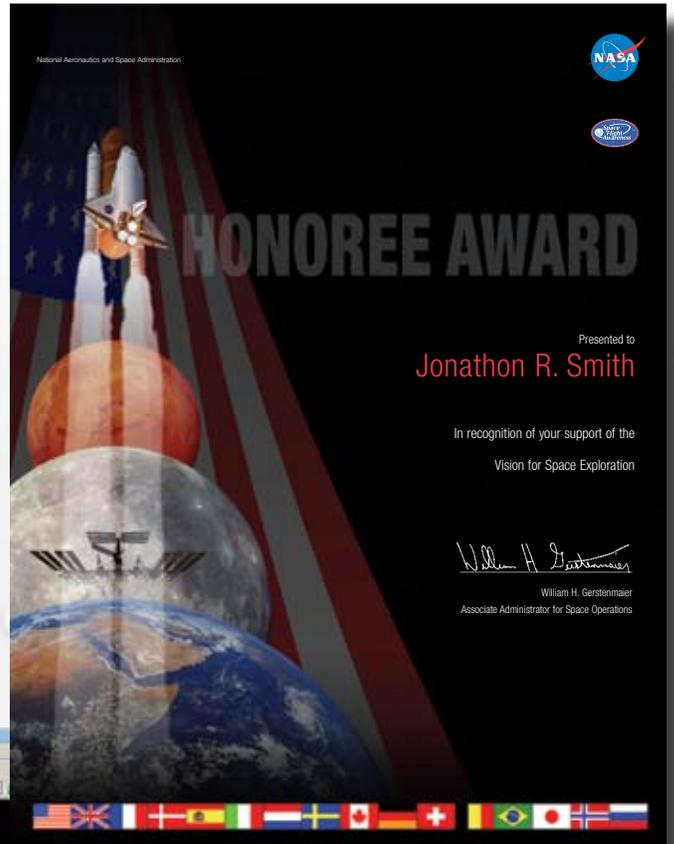


Mission Banners

Product development maximizes safety awareness, motivation and recognition.

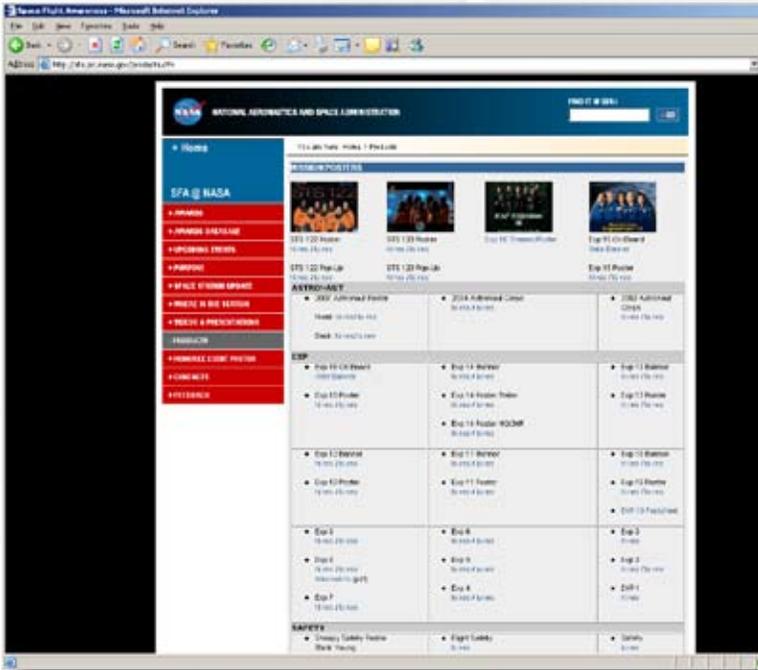


Mission Information Packages



Presented to
Jonathon R. Smith
 In recognition of your support of the
 Vision for Space Exploration

William H. Gerstenmaier
 William H. Gerstenmaier
 Associate Administrator for Space Operations

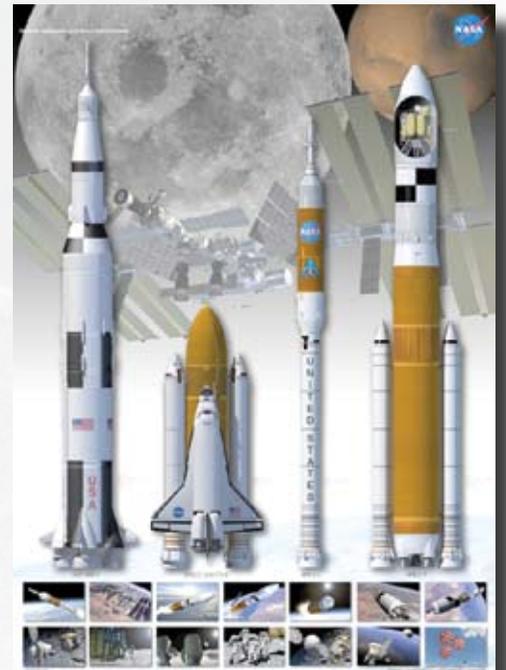


Electronic Products



Expedition Banners

Recognition Events



Launch Evolution Poster



Pins

2008

SFA Products

Shuttle Mission Products

- Gate Banner
- Crew Litho
- Decals
- Pins
- Pop-Ups
- Crew Posters

International Space Station Products

- Gate Banner
- Expedition Fact Sheet
- Decals
- Pins
- Crew Posters

Constellation Products

- Mission Videos

Award Products

- Snoopy Pins
- SFA Honoree Award
- Leadership Award
- Supplier Awards
- Team Awards

2008 Calendar of Events

Educational Products

- Hubble bookmark
- Manager Tool - SFA

Web Based Products





Alotta Taylor, Office of Space Operations
NASA Headquarters, Program Manager

Russell Arthur, Lockheed Martin Space System Co

Claudette Beggs, NASA Kennedy Space Center

Sallie Bilbo, NASA Stennis Space Center

Joan Broadfoot, NASA Johnson Space Center

Dawn Brooks, NASA Headquarters

Elizabeth Cantu, NASA Johnson Space Center

Chryel Coker, United Space Alliance

Gena Cox, NASA Marshall Space Flight Center

Fred Hendricks, ATK Launch Systems

Bill Johansson, The Boeing Company

Amy Pruett, NASA Goddard Space Flight Center

Agnes Vargas, The Boeing Company

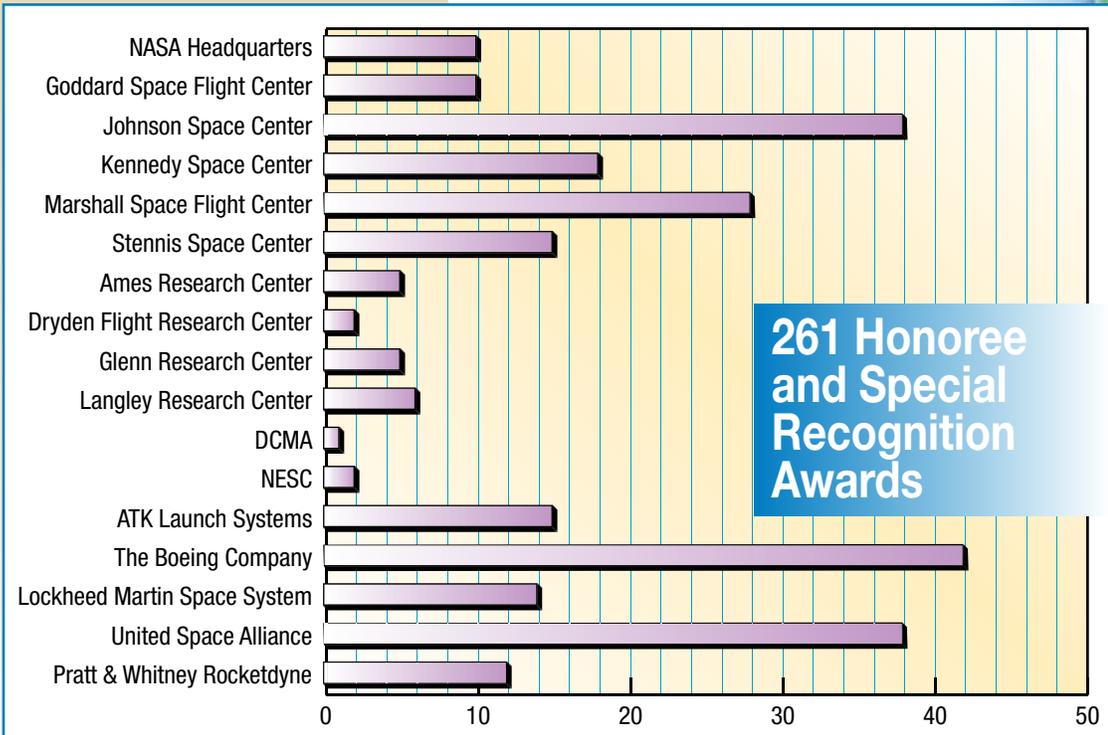
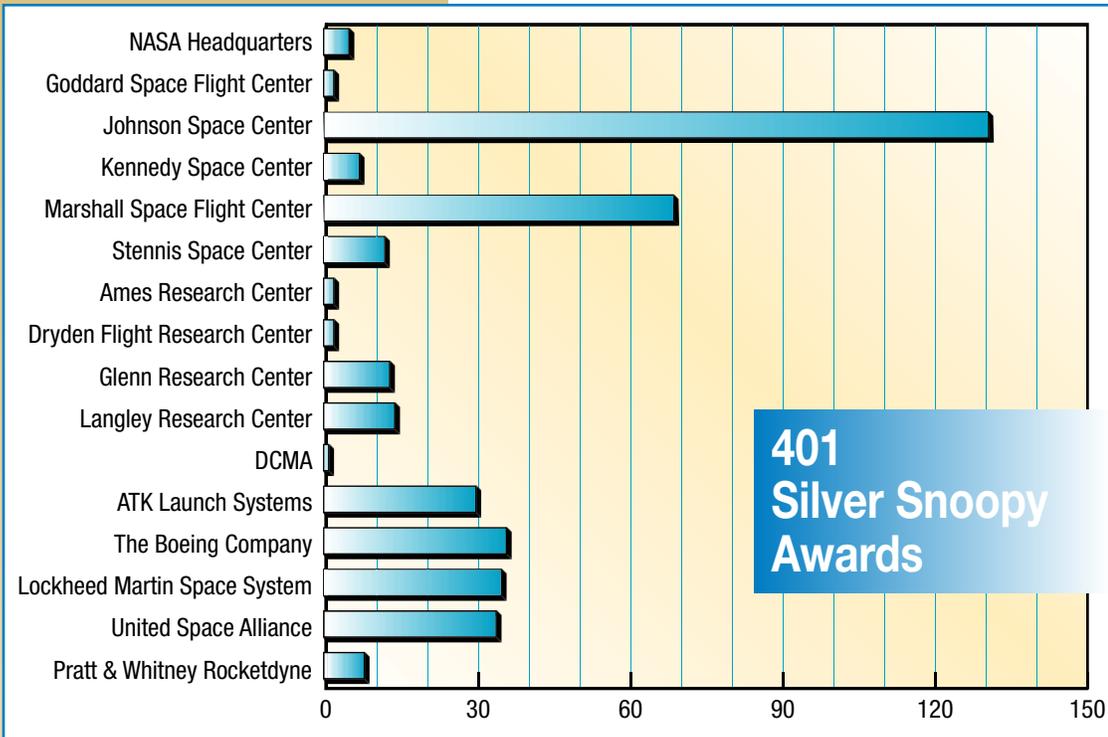
Barbara Zelon, NASA Johnson Space Center

Julie Zingerman, United Technologies Corporation

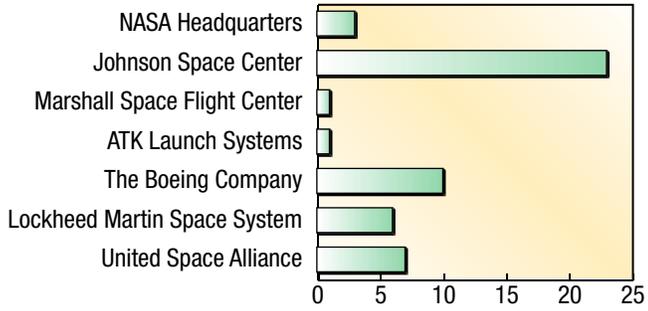
panel members

2007 Metrics

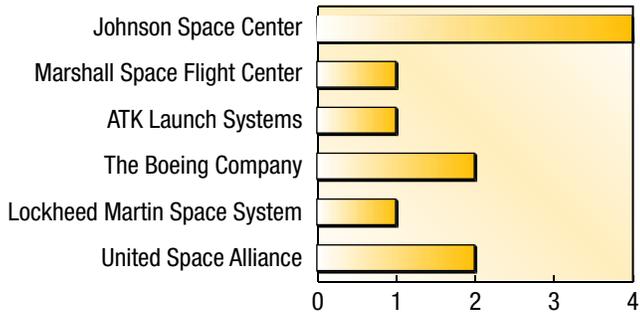
Numerous Suppliers Visited Across the Country



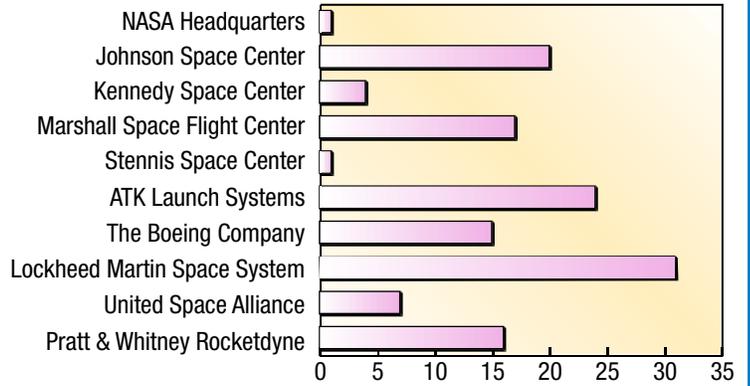
51 Team Awards



11 Leadership Awards



136 Astronaut Visits



68 Supplier Awards

