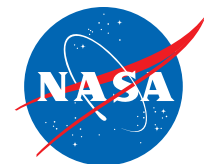


National Aeronautics and Space Administration



SFA

PROGRAM PLAN

2016



2016 SPACE FLIGHT AWARENESS PROGRAM PLAN

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SPACE FLIGHT AWARENESS VISION, MISSION, AND STRATEGIC GOALS



The NASA Vision

To reach for new heights and reveal the unknown, so that what we do and learn will benefit all humankind.

The NASA Mission

Drive advances in science, technology, and exploration to enhance knowledge, education, innovation, economic vitality, and stewardship of Earth.

NASA's Strategic Goals

1. Extend and sustain human activities across the solar system.
2. Expand scientific understanding of the Earth and the universe in which we live.
3. Create the innovative new space technologies for our exploration, science and economic future.
4. Advance aeronautics research for societal benefit.
5. Enable program and institutional capabilities to conduct NASA's aeronautics and space activities.
6. Share NASA with the public, educators, and students to provide opportunities to participate in our Mission, foster innovation and contribute to a strong national economy.



2015 NASA Astronauts



Joseph M. Acaba



Richard R. Arnold



Serena M. Aunon



Michael R. Barratt



Robert L. Behnken



Eric A. Boe



Stephen G. Bowen



Randolph J. Bresnik



Daniel C. Burbank



Josh A. Cassada



Christopher J. Cassidy



Catherine Coleman



Tracy C. Dyson



Jeanette J. Epps



Andrew J. Feustel



E. Michael Fincke



Jack D. Fischer



Anna L. Fisher



Kevin A. Ford



Patrick G. Forrester



Michael E. Fossum



Victor J. Glover



Tyler N. Hague



Michael S. Hopkins



Douglas G. Hurley



James M. Kelly



Scott J. Kelly



Robert S. Kimbrough



Christina Hammock
Koch



Timothy L. Kopra



Kjell N. Lindgren



Richard M. Linnehan



Stanley G. Love



Nicole Aunapu Mann



Thomas H. Marshburn



Richard A. Mastracchio



K. Megan McArthur



Anne C. McClain



Jessica U. Meir



Andrew R. Morgan



Lee M. Morin



Karen L. Nyberg



Donald R. Pettit



Kathleen Rubins



Scott D. Tingle



Mark T. Vande Hei



Terry W. Virts, Jr.



Rex J. Walheim



Shannon Walker



Douglas H. Wheelock



Peggy Whitson



Jeffrey N. Williams



Sunita L. Williams



Barry E. Wilmore



Stephanie D. Wilson



Gregory R. Wiseman



ASSOCIATE ADMINISTRATOR MESSAGE

The Space Flight Awareness (SFA) Program remains to be one of the most popular and successful safety and motivational initiatives within NASA and the aerospace industry. Many organizations contribute to SFA efforts and we thank them for all they do. The continued active

and enthusiastic support of our NASA and contractor team is essential to a vibrant SFA Program.

The program strives to maintain a concerted effort among all participants to achieve our recognition goals in new and exciting ways. We use the Silver Snoopy, Honoree, Team, Management, Trailblazer, Flight Safety and Supplier Awards to reinforce that people who work at NASA and its aerospace contractor companies are our most important assets. We use these awards to say thank you for their outstanding contributions to human spaceflight safety and success.

2015 was a year of great progress for NASA and human spaceflight. Some highlights include the following:

- Orion's Launch Abort System was tested to prove it can survive the intense temperatures, pressures, noise and vibrations experienced during a launch emergency and get the crew to safety.
- Technicians at Michoud began welding the primary structure of Orion's crew module and is scheduled for completion in 2016.
- The upgraded rocket booster-- that will propel SLS and the Orion spacecraft to space--passed a major ground test in March after firing for two minutes, the amount of time it will fire when it lifts SLS off the launch pad.
- In August 2015, NASA completed the first series of tests for the upgraded developmental RS-25 engines on the A-1 test stand at NASA's Stennis Space Center near Bay St. Louis, Mississippi.
- Several new giant steel work platforms that will be used to access, test and process SLS and Orion are being installed in KSC's Vehicle Assembly Building.
- Asteroid Redirect Mission (ARM) passed a pivotal mission milestone in the spring with the successful completion of the agency's mission concept review.
- 2015 marked the 15th year of continuous human presence aboard the International Space Station.

Since November 2000, more than 220 people from 17 countries have visited the ISS, and the orbiting laboratory has hosted more than 1,700 research investigations from researchers in more than 80 countries.

- Sixteen people lived and worked aboard the space station in 2015. Some of them sampled the first vegetables grown in space. To maintain the space station, crew members participated in six spacewalks. They continue reconfiguration of ISS systems and modules to accommodate the delivery of new docking adapters, which will be used by future U.S. commercial spacecraft.
- NASA astronaut Scott Kelly kicked off a one-year mission in March 2015, living and working in space for 340 days, and safely returned in March 2016.
- While Scott was in orbit, his identical twin brother and former NASA astronaut Mark Kelly remained on Earth; both participating in the Twins Study. After Scott concludes post-flight tests, researchers will have important data about the medical, psychological and biomedical challenges faced by astronauts during long-duration spaceflight.
- Four different cargo spacecraft have provided some 30 tons of supplies and science research to the station this year including NASA's commercial partners SpaceX and Orbital ATK's
- The Commercial Crew Program ordered its first two crew rotation missions from Boeing for its Crew Space Transportation (CST)-100 Starliner and the first from SpaceX for its Crew Dragon.
- NASA named four experienced astronauts and test pilots to train and prepare for these commercial spaceflights, working closely with the commercial companies to develop their systems.

We sincerely commend our gifted aerospace workforce – men and women who share the vision of America's space program and bring us the promise of a brighter future for all. Because of our committed NASA and contractor workforce, the future of human spaceflight is bright. Thank you to all!!!

William H. Gerstenmaier
NASA Associate Administrator
Human Exploration & Operations Mission Directorate

SPACE FLIGHT AWARENESS PROGRAM GOALS, OBJECTIVES, AND TEAMS

NASA established the Space Flight Awareness (SFA) program in 1963. It was established as a formal program after the Mercury and Gemini program, to infuse the space program with a renewed and strengthened consciousness of quality and flight safety. Since its inception, SFA's mission has been to ensure that all employees involved in human space flight are aware of the impact their actions can have on astronaut safety and mission success. During this time, thousands of individuals have been recognized for their contributions to the safety and success of NASA's programs. The key to SFA's longevity is its two-pronged approach to meeting its goal – awareness and recognition.

2016 Space Flight Awareness Program Goals

1. Sponsor employee recognition and motivation events utilizing our Astronaut Corps and senior management.
2. Sponsor up to three major milestone events.
3. Continue to promote International Space Station missions and other future human spaceflight program missions. Recognize significant accomplishments.
4. Promote awareness of future programs by developing awareness and safety products, and recognize significant program milestones.

Space Flight Awareness Objectives

1. Improve employee awareness on the importance of their role in promoting safety, quality, and mission success.
2. Conduct events that motivate and recognize the workforce and improve employee morale.
3. Function as an internal communications team to disseminate key program safety, quality, and mission messages.
4. Increase awareness of the spaceflight program with a focus on safety and mission success. Acknowledge objectives, accomplishments, and milestones.
5. Maintain supplier motivational and recognition programs.

Space Flight Awareness Program Teams

Products: Produce products that highlight safety and awareness of human spaceflight programs.

Awareness: Works to increase awareness about the SFA Program. Develops key messages related to astronaut and mission success for human spaceflight.

Supplier: Promote awareness and provide recognition to critical suppliers which provide outstanding products and services in support of the human spaceflight programs and mission.



SPACE FLIGHT AWARENESS ACTIVITIES, VISITS, AND PRODUCTS

SFA Activities

SFA activities include motivational visits and the development, display, and distribution of awareness tools.

SFA Visits

SFA works to arrange executive and astronaut visits to help remotely located employees feel that they are part of the human spaceflight team, and to give them an opportunity to get to know those who will use the products they design and build.

SFA Products

SFA uses a variety of products to focus on key aspects of human spaceflight requirements and mission activities:

- Printed products – safety, quality, reliability, mission, astronauts, significant milestones
- Decals – Space Shuttle and International Space Station missions
- Lapel Pins – vehicle, mission, milestones
- Safety Day activities



SPACE FLIGHT AWARENESS AWARD RECOGNITION

The SFA Program uses a variety of awards as part of its recognition activities.



QM-1 Honoree Award Ceremony

Silver Snoopy Award

This is the astronauts' personal award. To qualify for this award, eligible candidates will have made contributions toward enhancing the probability of mission success, or made improvements in design, administrative/technical/production techniques, business systems, flight and/or systems safety, or identification and correction or preventive actions for errors. This award is generally not intended for management. Only one Silver Snoopy award per individual is permitted.

Team Award

This award is used to recognize small groups of employees that have demonstrated exemplary teamwork while accomplishing a particular task or goal in support of the human spaceflight program.

Honoree Award

This award is one of the highest presented to NASA and industry and is for first-level management and below. This award is presented to employees for their dedication to quality work and flight safety. To qualify, the individual must have contributed beyond his or her normal work requirements to achieve significant impact on attaining a particular human spaceflight program goal; contributed to a major cost savings; been instrumental in developing modification to hardware, software, or materials that increase reliability, efficiency, or performance; assisted in operational improvements; or been a key player in developing a beneficial process improvement.

Management Award

This award is intended for recognition of proactive mid-level managers who consistently demonstrate loyalty, empowerment, accountability, diversity, excellence, respect, sharing, honesty, and integrity.

Trailblazer Award

This award is used to recognize employees who are in the early stages of their career. Awardees must demonstrate strong work ethic and creative, innovative thinking in support of human spaceflight.

Flight Safety Award

This award recognizes significant, outstanding individual or team contributions related to the prevention of anything that could lead to a catastrophic mishap to the vehicle, crew or mission. The approval process for this award includes the SFA National Panel, the Flight Safety Panel, and the NASA Associate Administrator for Safety and Mission Assurance.

Supplier Award

This annual award honors outstanding performance by hardware, software, or service suppliers who support NASA human spaceflight programs. Awardees are chosen based on their production of high-quality products, excellent technical and cost performance and adherence to schedules.

SPACE FLIGHT AWARENESS 2016 EVENTS



Shuttle Carrier Aircraft (SCA)
Johnson Space Center
January 2016



Qualification Motor-2 Test (QM-2)
Orbital ATK Inc. Promontory, Utah
June 2016



Honorees at QM-1 Test Firing, Promontory, Utah

AWARD METRICS

Fiscal Year	Silver Snoopy Awards	Honoree Awards	Flight Safety Award	Team Awards	Total # of Team Members	Supplier Awards	Management Awards	Local Recognition	Astronaut Visits	Trailblazer
2012	244	258	3	35	1122	0	33	0	39	0
2013	221	132	2	38	789	1	13	21	20	2
2014	227	28	6	45	2731	0	19	28	28	0
2015	175	166	1	38	618	2	22	0	42	20

FY 2015 METRICS

Team Award	38	Total Members Recognized	618
Headquarters	1	Headquarters	18
Ames Research Center	0	Ames Research Center	0
Armstrong Research Center	0	Armstrong Research Center	0
Glenn Research Center	0	Glenn Research Center	0
Goddard Space Flight Center	4	Goddard Space Flight Center	111
Johnson Space Center	11	Johnson Space Center	168
Kennedy Space Center	10	Kennedy Space Center	158
Langley Research Center	1	Langley Research Center	2
Marshall Space Flight Center	2	Marshall Space Flight Center	10
NASA Engineering and Safety Center	0	NASA Engineering and Safety Center	0
NASA Shared Services Center	0	NASA Shared Services Center	0
Stennis Space Center	0	Stennis Space Center	0
The Boeing Company	7	The Boeing Company	119
Aerojet Rocketdyne	0	Aerojet Rocketdyne	0
Lockheed Martin	1	Lockheed Martin	32
DCMA	1	DCMA	0
Supplier Award	2	Trailblazer Award	20
Headquarters	0	Headquarters	0
Ames Research Center	0	Ames Research Center	1
Armstrong Research Center	0	Armstrong Research Center	0
Glenn Research Center	0	Glenn Research Center	3
Goddard Space Flight Center	0	Goddard Space Flight Center	0
Johnson Space Center	0	Johnson Space Center	9
Kennedy Space Center	0	Kennedy Space Center	2
Langley Research Center	0	Langley Research Center	0
Marshall Space Flight Center	1	Marshall Space Flight Center	0
NASA Engineering and Safety Center	0	NASA Engineering and Safety Center	0
NASA Shared Services Center	0	NASA Shared Services Center	0
Stennis Space Center	0	Stennis Space Center	0
The Boeing Company	0	The Boeing Company	4
Aerojet Rocketdyne	1	Aerojet Rocketdyne	0
Lockheed Martin	0	Lockheed Martin	0
DCMA	0	DCMA	1

FY 2015 METRICS

Silver Snoopy Award

175

Headquarters	2
Ames Research Center	4
Armstrong Research Center	0
Glenn Research Center	7
Goddard Space Flight Center	2
Johnson Space Center	35
Kennedy Space Center	31
Langley Research Center	6
Marshall Space Flight Center	31
NASA Engineering and Safety Center	0
NASA Shared Services Center	2
Stennis Space Center	11
The Boeing Company	12
Aerojet Rocketdyne	4
Lockheed Martin	26
DCMA	2

Honoree Award

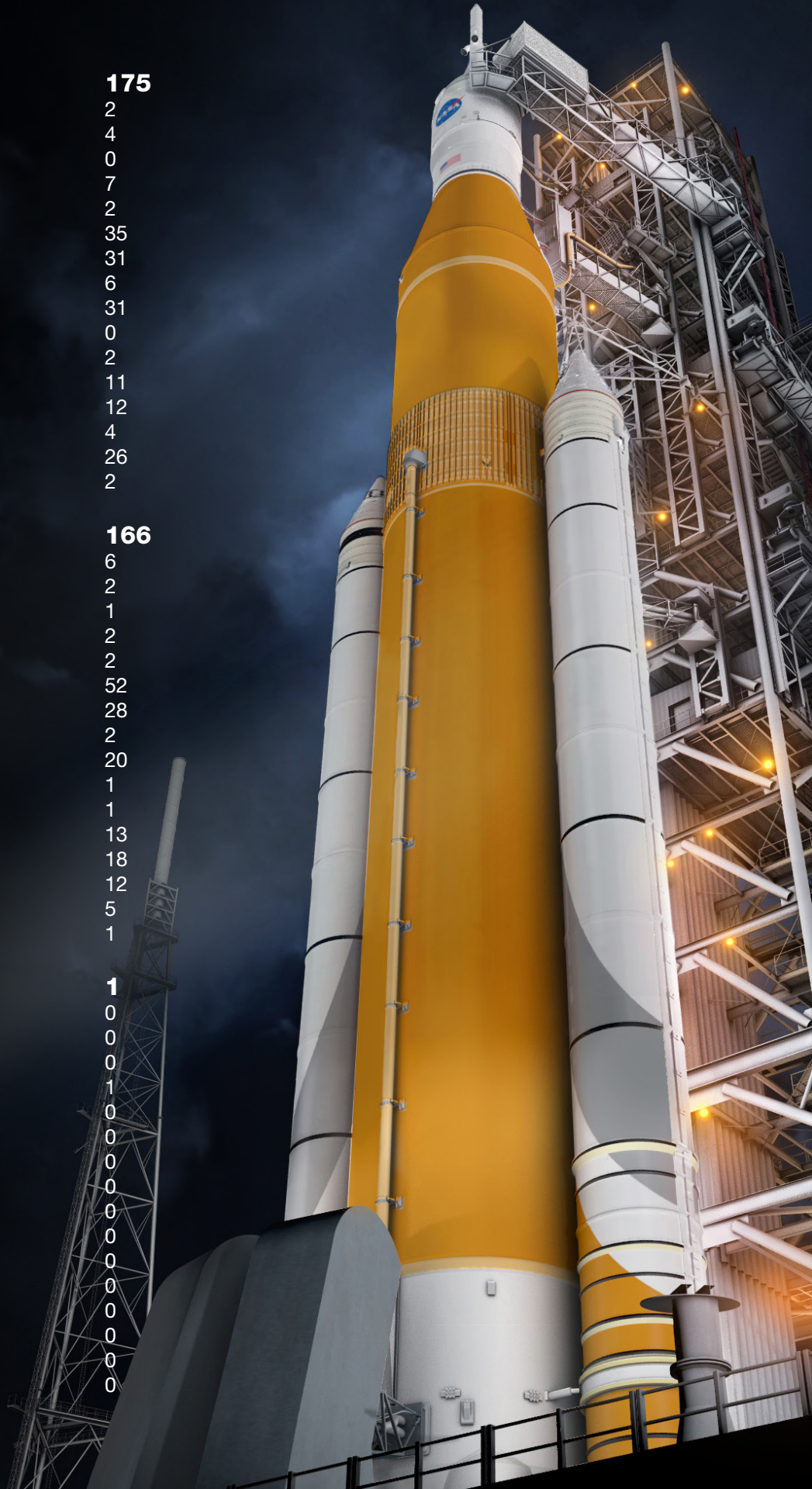
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Headquarters	6
Ames Research Center	2
Armstrong Research Center	1
Glenn Research Center	2
Goddard Space Flight Center	2
Johnson Space Center	52
Kennedy Space Center	28
Langley Research Center	2
Marshall Space Flight Center	20
NASA Engineering and Safety Center	1
NASA Shared Services Center	1
Stennis Space Center	13
The Boeing Company	18
Aerojet Rocketdyne	12
Lockheed Martin	5
DCMA	1

Flight Safety Award

1

Headquarters	0
Ames Research Center	0
Armstrong Research Center	0
Glenn Research Center	1
Goddard Space Flight Center	0
Johnson Space Center	0
Kennedy Space Center	0
Langley Research Center	0
Marshall Space Flight Center	0
NASA Engineering and Safety Center	0
NASA Shared Services Center	0
Stennis Space Center	0
The Boeing Company	0
Aerojet Rocketdyne	0
Lockheed Martin	0
DCMA	0



FY 2015 METRICS

Management Award	22	Astronaut Visits	42
Headquarters	0	Headquarters	0
Ames Research Center	0	Ames Research Center	1
Armstrong Research Center	0	Armstrong Research Center	0
Glenn Research Center	0	Glenn Research Center	1
Goddard Space Flight Center	0	Goddard Space Flight Center	1
Johnson Space Center	7	Johnson Space Center	16
Kennedy Space Center	0	Kennedy Space Center	0
Langley Research Center	2	Langley Research Center	1
Marshall Space Flight Center	0	Marshall Space Flight Center	7
NASA Engineering and Safety Center	0	NASA Engineering and Safety Center	0
NASA Shared Services Center	0	NASA Shared Services Center	0
Stennis Space Center	0	Stennis Space Center	2
The Boeing Company	11	The Boeing Company	9
Aerojet Rocketdyne	0	Aerojet Rocketdyne	0
Lockheed Martin	2	Lockheed Martin	3
DCMA	0	DCMA	1

SCA EXHIBIT AT INDEPENDENCE PLAZA



SPACE FLIGHT AWARENESS WORKING GROUP MEMBERS

The SFA working group strives 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, safety and mission success.

Sallie Bilbo*
NASA Stennis Space Center

Shanna Bradshaw
NASA Marshall Space Flight Center

Kara Denny
Lockheed Martin

Amy Grigg
NASA Goddard Space Flight Center

Shera McNeill
NASA Headquarters

Michele Martin
NASA Johnson Space Center

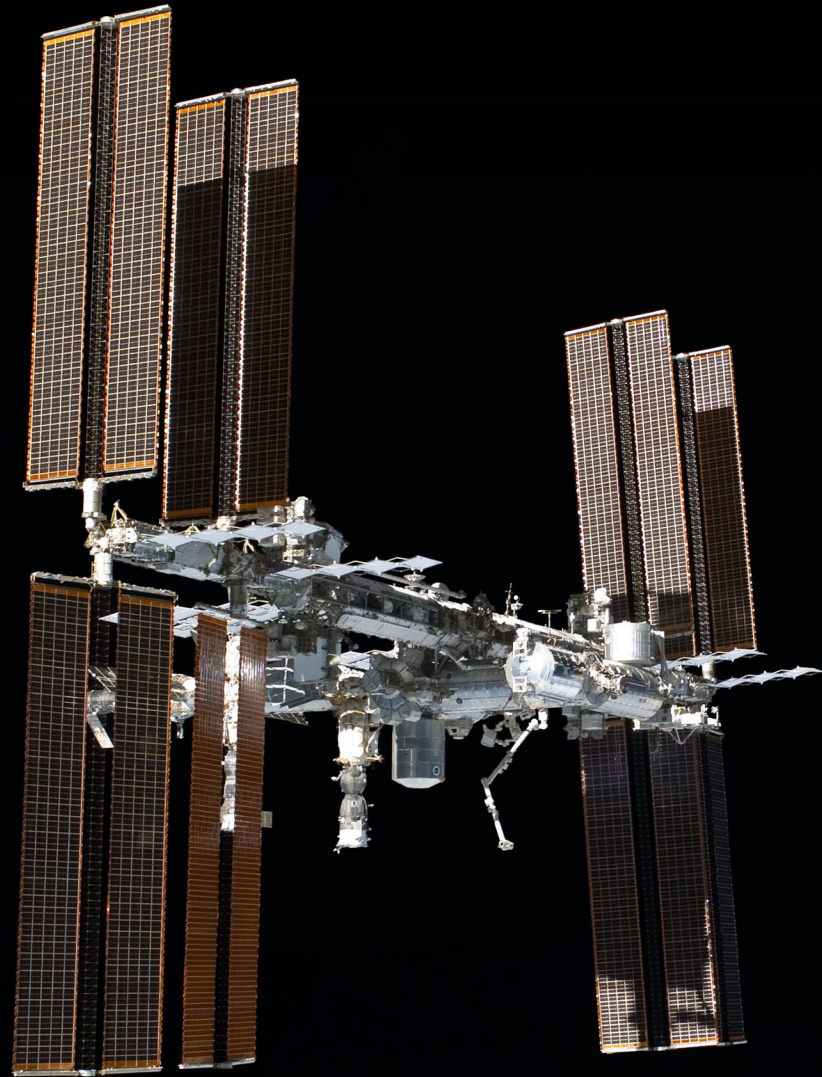
Jane Mosconi
NASA Kennedy Space Center

Dayna Serna
Orbital ATK

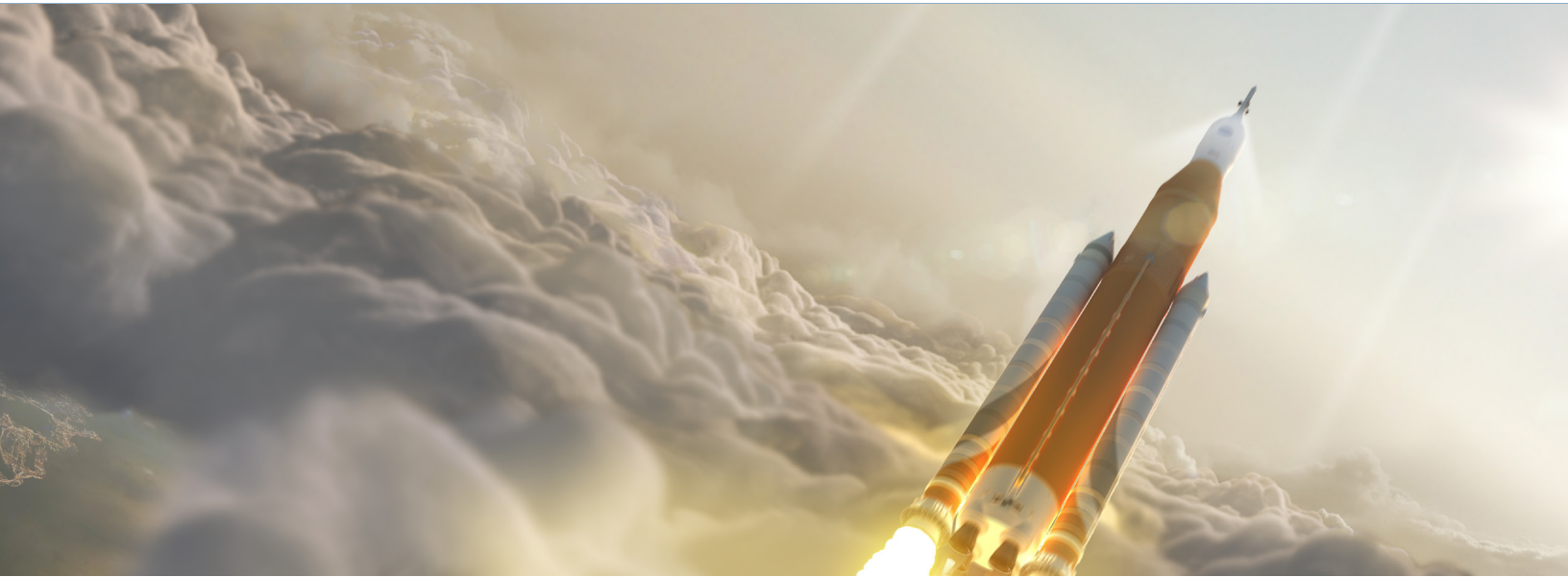
Agnes Vargas
The Boeing Company

Julie Zingerman
Aerojet Rocketdyne

Dr. Alotta Taylor
Office of Human Exploration and Operations
NASA Headquarters, Program Manager



* **SFA working group member also represents:** Ames Research Center, Armstrong Flight Research Center, Defense Contract Management Agency, Glenn Research Center, Langley Research Center, NASA Shared Services Center, and NASA Engineering & Safety Center



SFA PROGRAM PLAN

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National Aeronautics and Space Administration

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