



Goddard Space Flight Center

Goddard's Outlook

Supply Chain 2012

October 16, 2012

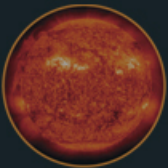


www.nasa.gov/goddard

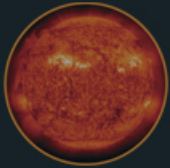
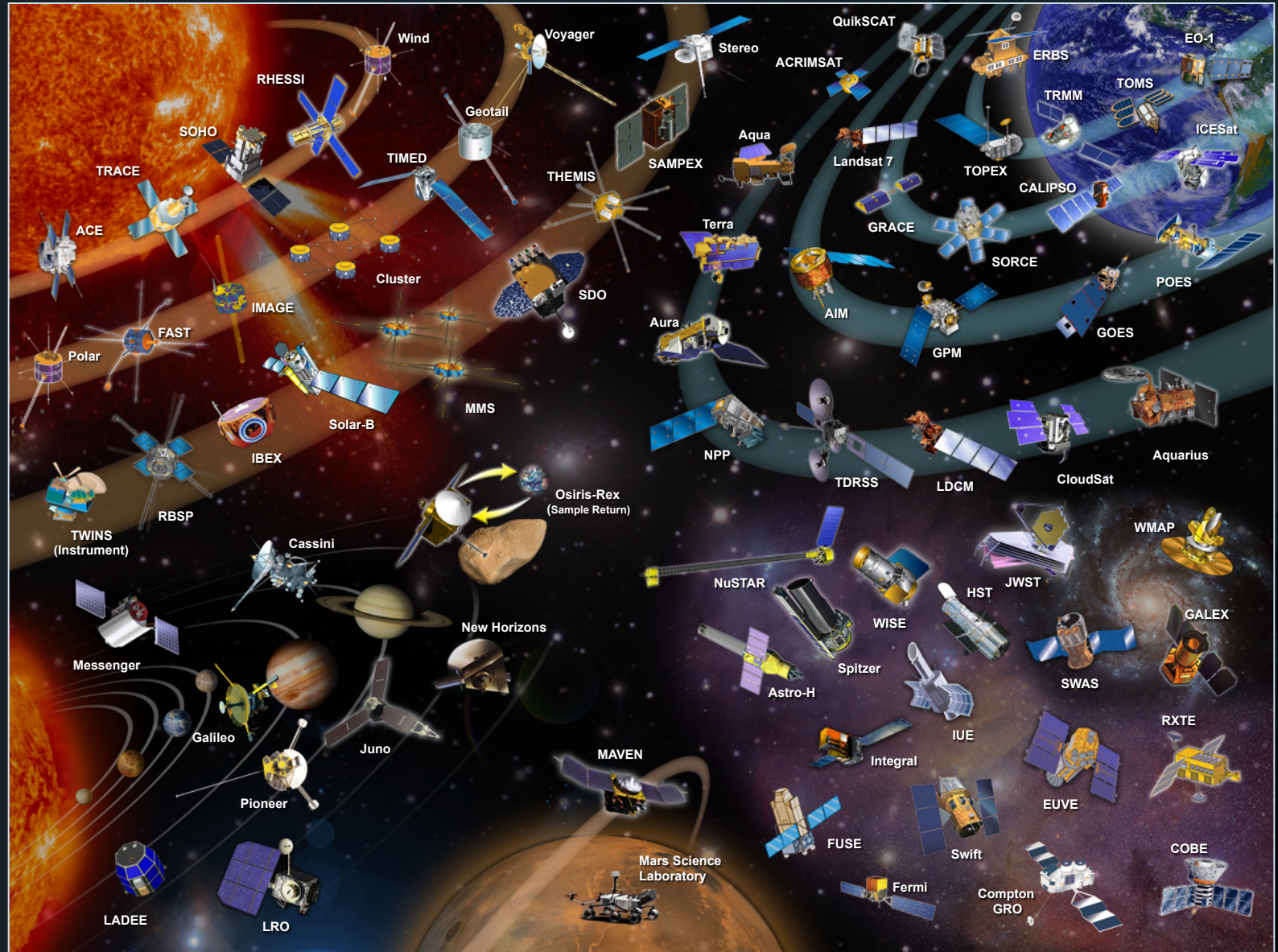


NASA Goddard Space Flight Center

- NASA's first Space Flight Center (established 1959)
- We TRANSFORM Human Understanding of Earth and Space
- Largest Collection of Scientists & Engineers in the U.S.
- Nearly 300 successful missions including the World's First Weather Satellite and the Hubble Space Telescope
- 2006 Nobel Prize in Physics [Big Bang/Cosmic Background]
- Hubble Supported 2011 Nobel Prize in Physics
- WMAP Team Awarded 2012 Gruber Prize for Cosmology

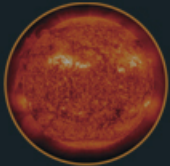


GSFC's Contributions to a Diverse Mission Portfolio



Our Facilities

- GSFC Greenbelt, Maryland
- GSFC Wallops Flight Facility, Virginia
- IV&V Facility, West Virginia
- Goddard Institute for Space Studies, New York
- Ground Stations at White Sands Complex, New Mexico



Greenbelt

White Sands Complex



Wallops Flight Facility



Goddard Institute for Space Studies



Independent Verification and Validation Facility

NASA GSFC Leadership Team

Chris Scolese
Director



Kelly Farrell,
Chief of Staff



Rick Obenschain,
Deputy Director



Christyl Johnson,
Deputy Director
For Technology and
Research Investments



Colleen Hartman,
Deputy Director for
Science, Operations and
Program Performance



Nancy Abell,
Associate Director



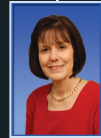
Ron Brade,
Director,
Office of
Human Capital
Management



Julie Baker,
Chief Financial
Officer



Ray Rubilotta,
(Acting)
Director,
Management
Operations
Directorate



Judy Bruner,
Director,
Office of
Systems Safety
and Mission
Assurance



George Morrow,
Director,
Flight Projects
Directorate



Dennis Andrucyk,
Director,
Applied Engineering
and Technology
Directorate



Nick White,
Director,
Sciences and
Exploration
Directorate



Adrian Gardner,
Director,
Information
Technology and
Communications
Directorate



Bill Wrobel,
Director,
Suborbital and
Special Orbital
Projects
and WFF



Phillina Tookes
(Acting)
Government and
Community Relations
Manager



Dan Krieger,
Special Assistant
for Diversity



Veronica Hill,
Chief,
Equal Opportunity
Programs Office



Mark Hess,
Chief,
Office of
Communications



Andrew Falcon,
Chief
Counsel



Bob Gabrys,
Director,
Office of Education
Programs



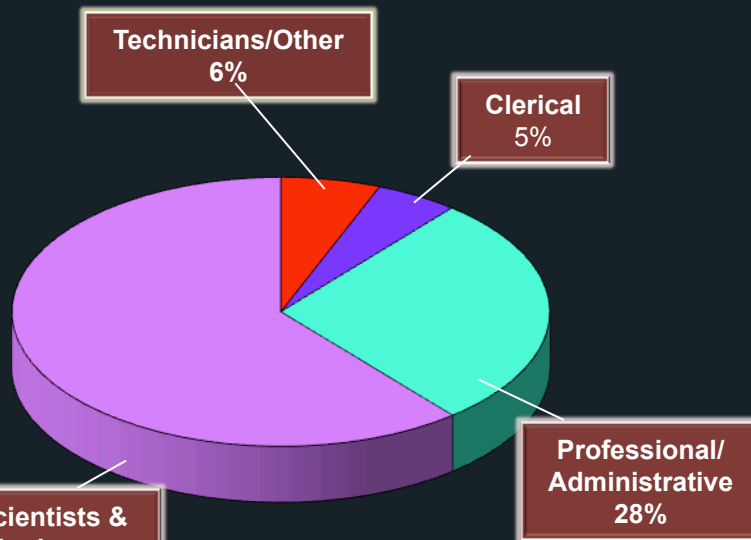
Greg Blaney,
Director,
Independent
Verification and
Validation Facility
WV



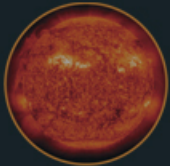
Tom Paprocki,
Director,
Office of
Procurement

* Reports
directly to NASA
Headquarters

Our People



GSFC Workforce
Total Civil Servants: 3,400
Total Contractors : 6,400
Total Workforce: 9,800



Our Lines of Business

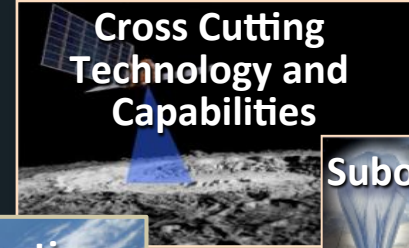
Heliophysics



Earth Science



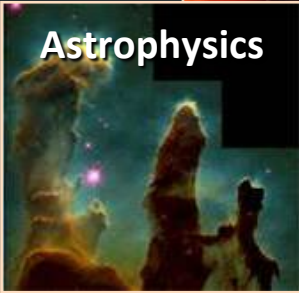
**Cross Cutting
Technology and
Capabilities**



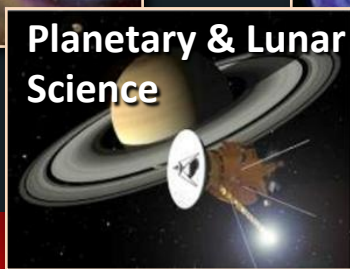
Suborbital Platforms



Astrophysics



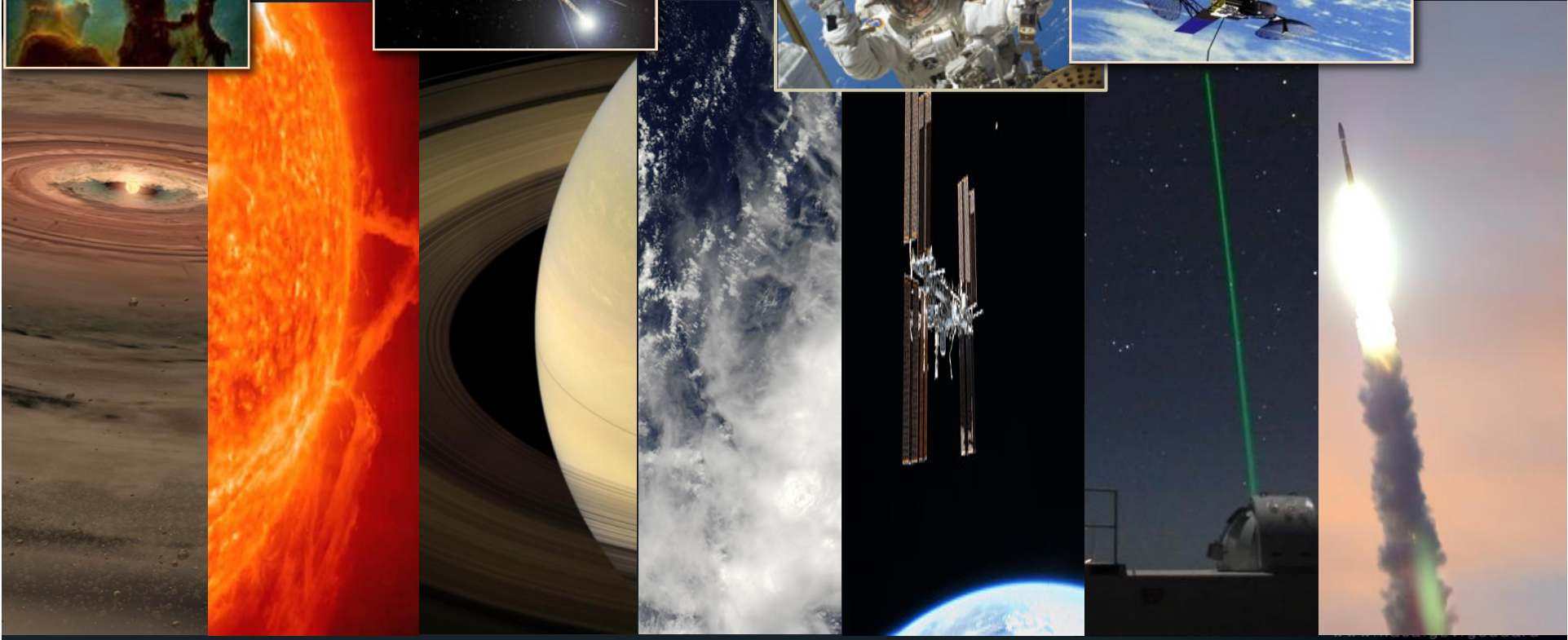
**Planetary & Lunar
Science**



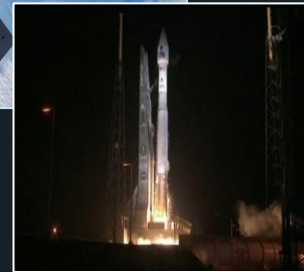
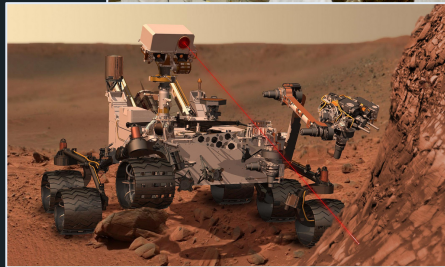
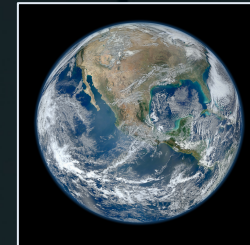
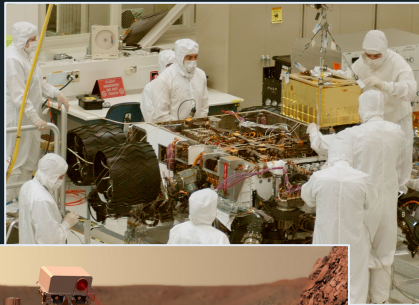
**Human Exploration
& Operations**



**Communications &
Navigation**



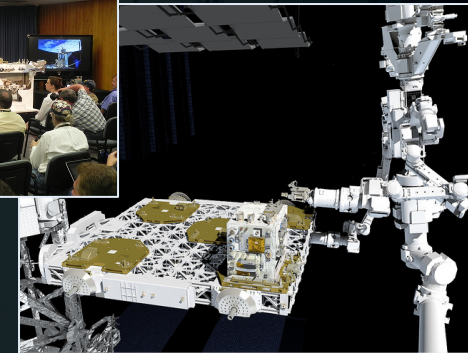
Recent Accomplishments



Radiation Belt
Storm Probes

Suomi NPP –
Revisiting the Blue
Marble

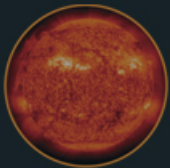
Sample Analysis at Mars
Instrument on MSL



Robotic Refueling
Mission on STS-135



Operation
Icebridge



Upcoming Milestones



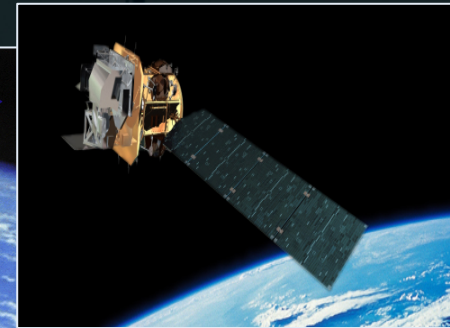
**HS3
Fall
2012**



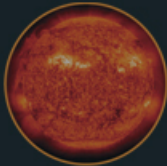
**Antares test launch
from Wallops
2012**



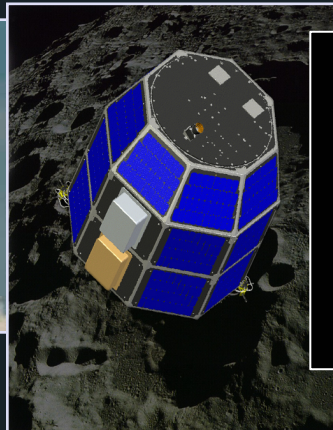
**TDRS K Launch
December 2012**



**LDCM Launch
February 2013**



**Numerous
Suborbital
Missions**



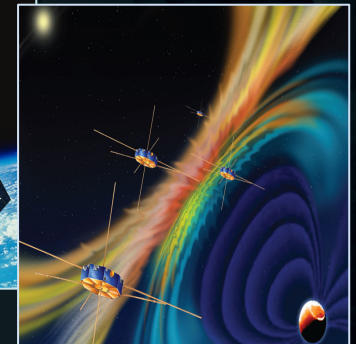
**LADEE Launch
Summer 2013**



**MAVEN Launch
November 2013**

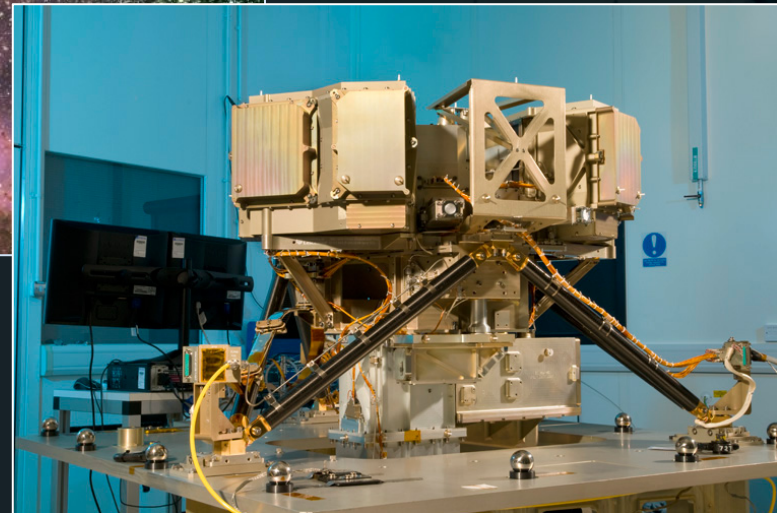
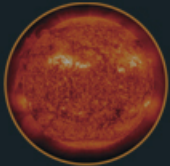
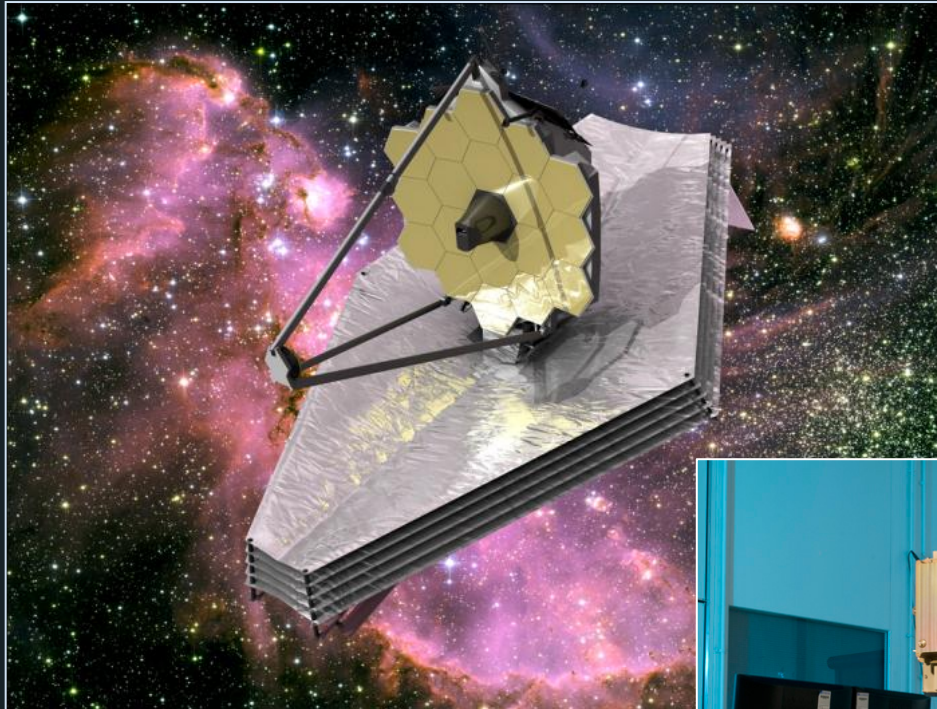


**GPM Launch
February 2014**

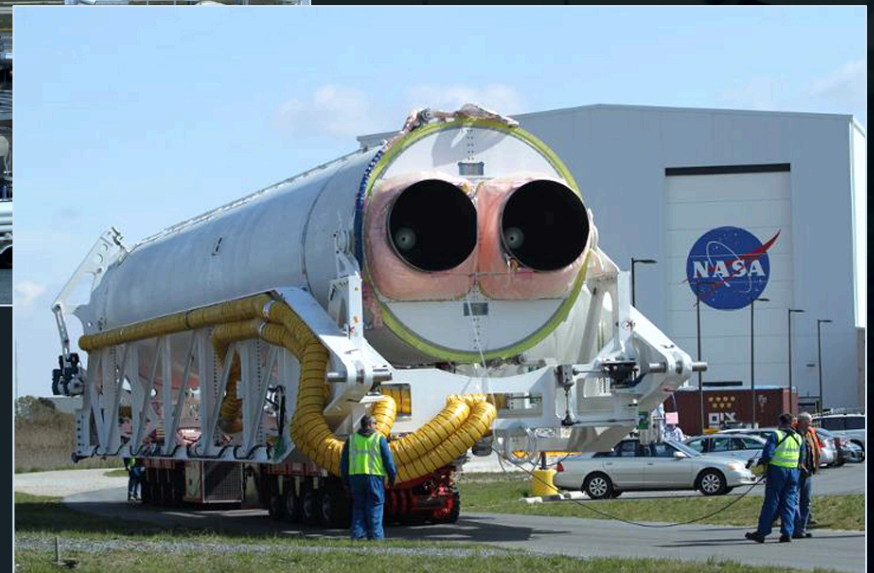
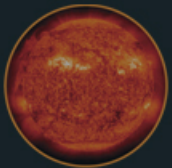


**MMS Launch
October 2014**

James Webb Space Telescope



Antares at Wallops



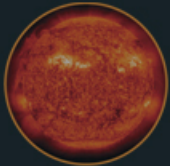
NOAA Reimbursable Projects

JPSS
December 2016

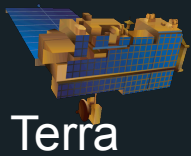


DSCOVR
June 2014

GOES-R
October
2015



Technology Development



Terra

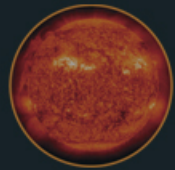


HST



JWST

Flagship Missions



CommSats

Industry

E.g., Commercial CommSats,
Electronics Industry, Automotive



Technology Transfer

E.g., Cryocoolers, Lasik,
Advanced Electronics and
Instrumentation, Modeling and
Simulation, etc

Technology Utilization

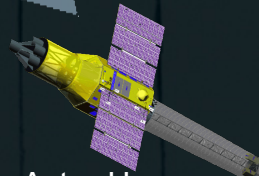
E.g., Cryocoolers, CdZnTd Detectors,
Wave-Front Sensing and Control, etc.



GLAST



ICE Sat



Astro-H



SWIFT

Small & Medium-Class Missions

E.g., SMEX, Explorers, Midex,
Earth Venture, etc

Technology Transfer



It is difficult to say what is impossible...

*for the **dream** of YESTERDAY*

*is the **hope** of TODAY*

*and the **reality** of
TOMORROW.*

- Robert H. Goddard (1882 - 1945)