



# NASA Goddard Space Flight Center

*1959 – 2011  
Celebrating 50+ Years of  
Exploration and Discovery*

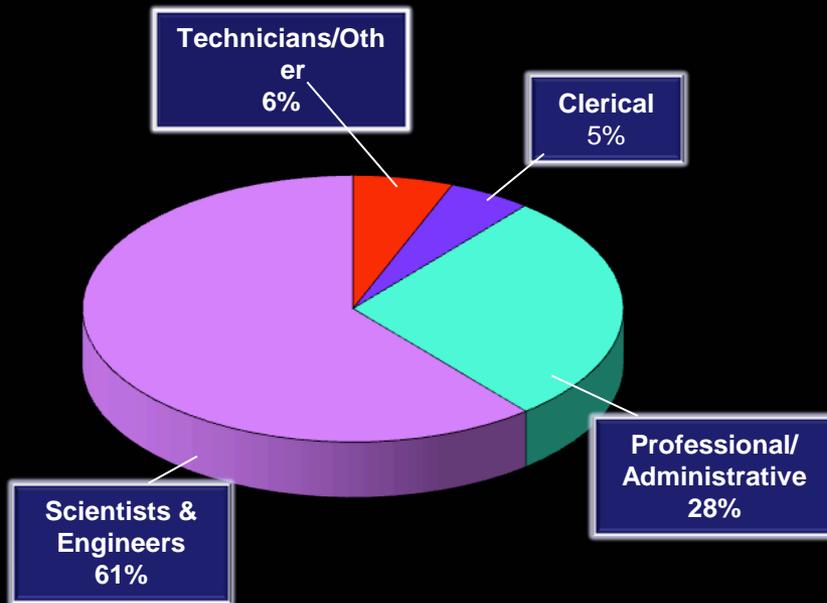
**Dennis J. Andrucyk**

Director, Applied Engineering & Technology

# The Goddard Space Flight Center

- Established in 1959 as NASA's first Space Flight Center
  - End-to-End Science and Technology Missions capabilities
  - Integrated Science, Engineering, and Project Management
  - Nearly 300 Missions – from the world's first weather satellite (1960) to Hubble Space Telescope servicing and beyond
  - Communication and Navigation systems for NASA and National Program needs
  - ~ 3,200 Civil Servants and more than 4,000 on-site contractors
- Our Mission: We do Earth and Space Science Missions!
  - Conception, development, deployment, and operation of science and technology missions
  - Address fundamental questions in Earth and Space Science
  - Deliver data and information to the public in ways that they can use it
- Our resources enable the accomplishment of our Mission
  - Hire, develop, and nurture world class Scientists, Engineers, and Project Managers
  - Hands on experience at the Center of employee development
  - Facilities evolve to meet changing requirements
  - Identify and aggressively pursue technology advancements that enable science breakthroughs

# NASA GSFC People



**GSFC Workforce**  
Total Civil Servants: 3,210  
Total Contractors : 5,351  
Total Workforce: 8,561



# NASA GSFC Facilities

- Goddard Space Flight Center, Maryland
- Wallops Flight Facility, Virginia
- IV&V Facility, West Virginia
- Goddard Institute for Space Studies, New York
- White Sands Ground Station, New Mexico



**GSFC**



**WSGS**



**WFF**

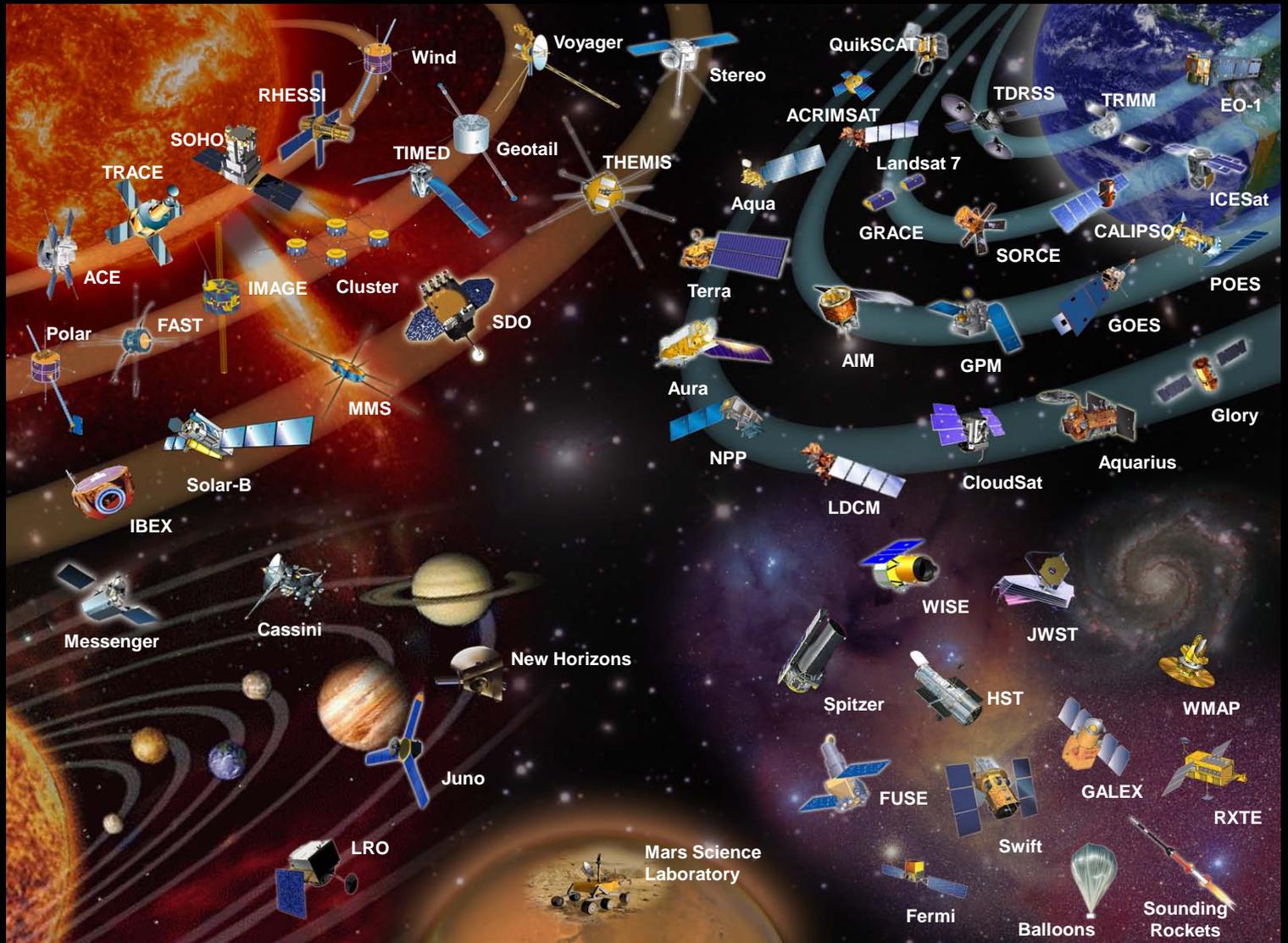


**GISS**



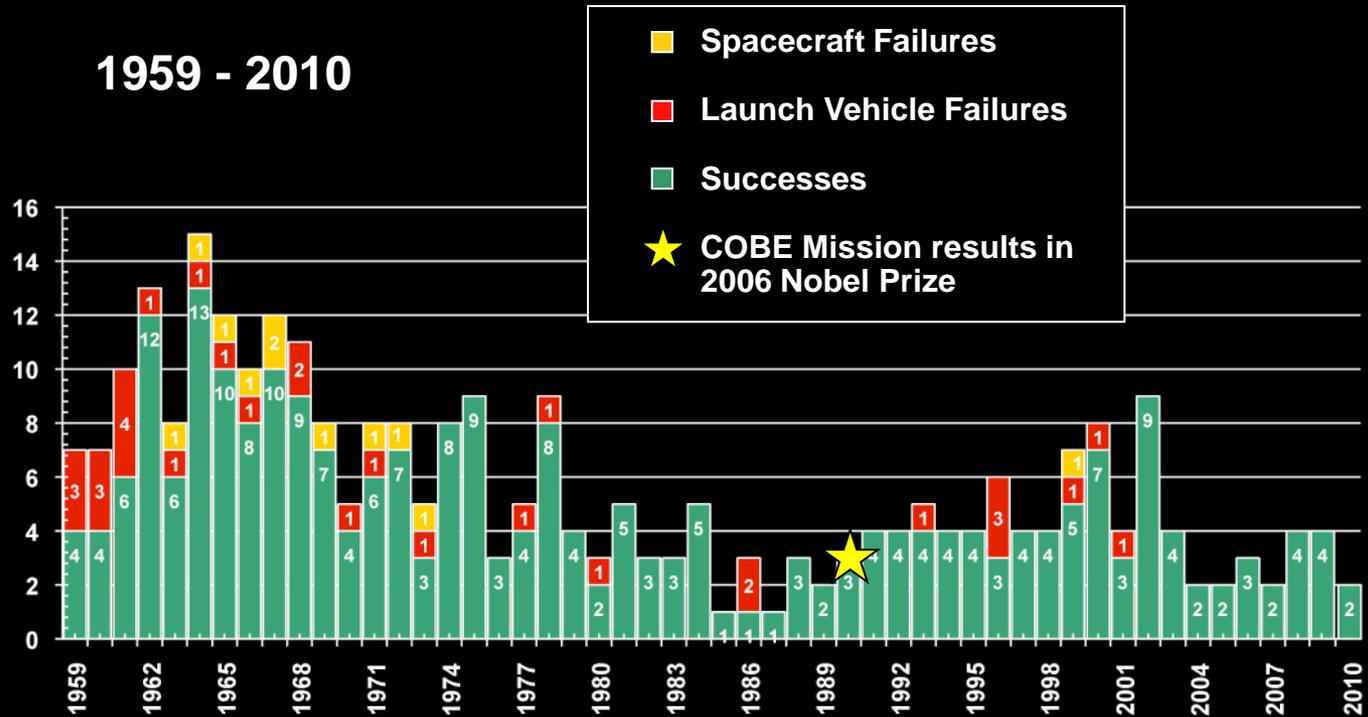
**IV&V**

# NASA GSFC Contribution to Diverse Mission Portfolio



# NASA GSFC Launches: A Long History of Mission Success

1959 - 2010



**Successes = 252**  
**Launch Vehicle Failures = 32**  
**Spacecraft Failures = 11**

**Since 1974 : Successes = 143**  
**Launch Vehicle Failures = 12**  
**Spacecraft Failures = 1**

# NASA GSFC Recent Missions

Fermi 6/08



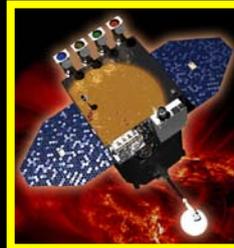
HST SM-4 5/09



LRO 6/09



SDO (LWS) 2/10



Glory 3/11  
Launch Failure



JPL/Juno 8/11  
Magnetometer



2009

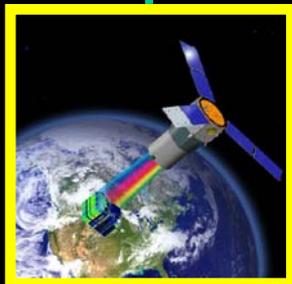
2010

2011

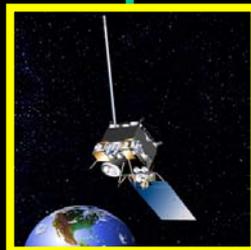
NOAA N' 2/09



TacSat-3 5/09



GOES-14 6/09



GOES-P 3/10  
Now GOES-15



MLAS 7/09

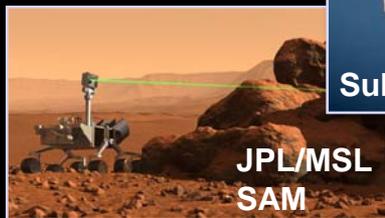
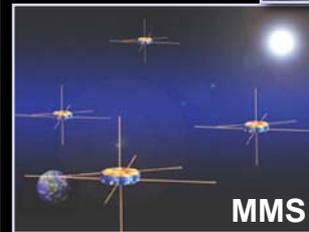
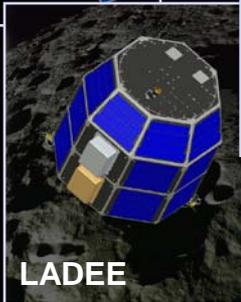


Aquarius Radiometer 6/11  
On JPL Instrument flown  
on Argentinean Spacecraft



 Launched Successfully

# NASA GSFC Near Term & Future Missions



# EDUCATION AND OUTREACH

- 'Inside Goddard' publication to inform external audiences about what Goddard does
- A new approach to Goddard's public website implementation and created a new Goddard home page
- Goddard Ambassador's program to augment the current capacity of the Center to conduct EPO activities and events.

