

# Interagency Space Weather Program Coordination and Governance

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# NASA's Science Mission Directorate

## Who We Are

### NASA VISION

*Exploring the secrets of the universe for the benefit of all.*

### NASA MISSION

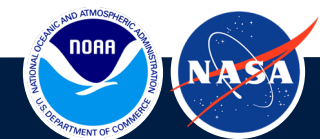
*NASA explores the unknown in air and space, innovates for the benefit of humanity, and inspires the world through discovery.*

### SMD VISION

*To lead a globally interconnected program of scientific discovery that encourages innovation, positively impacts people's lives, and is a source of inspiration.*

### SMD MISSION

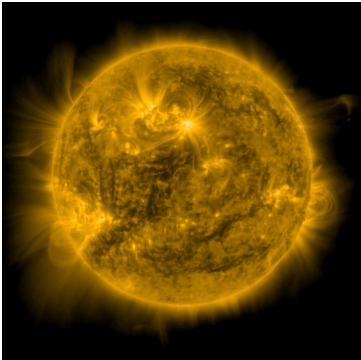
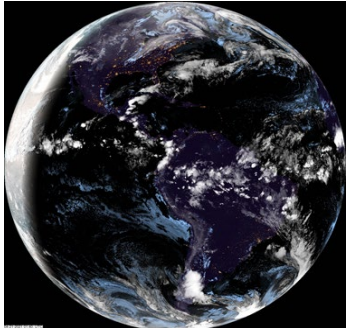
*Discover the secrets of the universe. Search for life elsewhere. Protect and improve life on Earth and in space.*







# Joint Agency Satellite Division (JASD)



## Strategic Objective

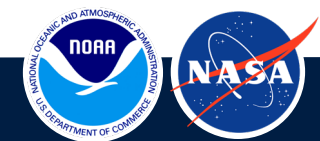
Ensure excellence in the Nation’s operational weather satellites by applying NASA’s expertise in systems engineering and program and project management to satellite and ground system development

## Major Activities

Advance collaboration opportunities with NOAA and partner organizations by:

- Establishing Interagency Agreements
- Formulating and Implementing Operational Missions & Technology Partnerships
- Facilitating Interagency Strategic Planning and Collaboration
- Enabling Lower Cost Access to Space through Interagency Rideshares and Hosted Payload Opportunities

*With an institutionally independent perspective, JASD enables agencies to efficiently navigate the technical and policy landscape to achieve their strategic objectives.*







### Program Portfolio:

- Geostationary Operational Environmental Satellites (GOES-R)
- Geostationary Extended Observations (GeoXO)
- Joint Polar Satellite System (JPSS)
- Near Earth Orbit Network (NEON)
- Space Weather Follow On (SWFO)
- Space Weather Next (SW Next)







**MISSIONS BY PHASE**

- FORMULATION ■
- IMPLEMENTATION ■
- OPERATIONS (NOAA OR INT'L PARTNERS) ■

**MISSIONS BY ORBIT**

- U.S. LEO MISSIONS —
- INTERNATIONAL LEO MISSIONS ⋯
- GEOSTATIONARY MISSIONS - - -
- LAGRANGE POINT MISSIONS - - -



# How Do We Execute NOAA/NASA Programs?

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- SMD establishes reimbursable interagency agreements with NESDIS for each program, activity, or portfolio area
- SMD assigns the program/project to a NASA field center
  - All major programs and projects are assigned to **Goddard Space Flight Center**
  - Some smaller R&D tasks are assigned to other institutions such as Jet Propulsion Laboratory
- NOAA and NASA employees work side-by-side in integrated program offices
- Programs and projects are governed by NOAA/NASA Joint Program Management Councils, with NOAA exercising final decision authority
- SMD accepts funds from NESDIS and provides those funds to implementing center
- SMD works with Center to ensure we meet our commitment to our NOAA customer





# JASD Space Weather Staff



**Eric Holmes**  
Program  
Executive for  
SWFO, SW Next  
GEO



**Charles Webb**  
JASD Deputy  
Director



**Amy Treat**  
Administrative  
Business  
Professional



**Dereck Robinson**  
Program  
Executive for SW  
Next L1 Series  
and L5



**John Gagosian**  
JASD Director



# How Are We Enabling the Future of Operational Space Weather?

- Organizing executive-level strategic coordination between NOAA and NASA to ensure strategic portfolio alignment and coherent stakeholder engagement
- Stewardship of SW Next Program and constituent projects
  - Tailoring NASA program/project management processes to meet NOAA customer needs
  - Achieving consensus on project acquisition strategies
  - Orchestrating key decision points for L1 Series, L5, etc.
  - Removing bureaucratic roadblocks to enable forward progress
- Coordinating with NASA Heliophysics Division and NASA Launch Services Program to ensure compatibility between IMAP, SWFO-L1, and Carruthers
- Collaborating with GSFC leadership on institutional oversight of project execution
- Engaging with industry leadership to ensure commercial space sector is ready to meet needs of current and future missions



Questions? Comments? Please reach out!

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