

Earth Sciences

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The Earth Sciences Division at NASA Goddard Space Flight Center plans, organizes, evaluates, and implements a broad program of research on our planet's natural systems and processes. Major focus areas include climate change, severe weather, the atmosphere, the oceans, sea ice and glaciers, and the land surface.

Astrophysics

660

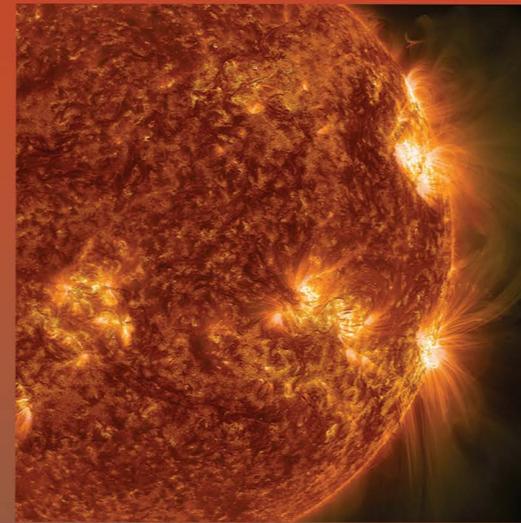
The Astrophysics Science Division conducts a broad program of research in astronomy, astrophysics, and fundamental physics. Individual investigations address issues such as the nature of dark matter and dark energy, which planets outside our solar system may harbor life, and the nature of space, time, and matter at the edges of black holes.



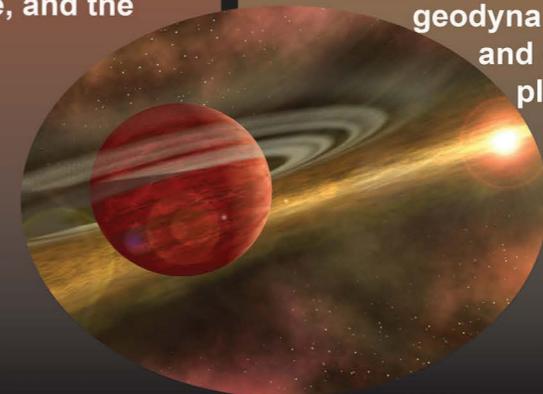
Heliophysics

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The Heliophysics Science Division conducts research on the Sun, its extended solar-system environment (the heliosphere), and interactions of Earth, other planets, small bodies, and interstellar gas with the heliosphere.



Division research also encompasses geospace -- Earth's uppermost atmosphere, the ionosphere, and the magnetosphere -- and the changing environmental conditions throughout the coupled heliosphere (solar system weather).



Solar System Exploration

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The Solar System Exploration Division conducts theoretical and experimental research to explore the solar system and understand the formation and evolution of planetary systems. Laboratories within the Division investigate areas as diverse as astrochemistry, planetary atmospheres, extrasolar planetary systems, earth science, planetary geodynamics, space geodesy, and comparative planetary studies.

Sciences and Exploration Directorate 600

Laboratories and Offices

Earth Sciences Division Code 610

Offices	
Global Modeling and Assimilation Office	610.1
Global Change Data Center	610.2
Software Systems Support Office	610.3
Office of Applied Sciences	610.4
Field Support Office	610.W

Laboratories	
Goddard Institute for Space Studies (GISS) NYC	611
Mesoscale Atmospheric Processes Laboratory	612
Climate and Radiation Laboratory	613
Atmospheric Chemistry and Dynamics Laboratory	614
Cryospheric Sciences Laboratory	615
Ocean Ecology Laboratory	616
Hydrological Sciences Laboratory	617
Biospheric Sciences Laboratory	618
Terrestrial Information Systems Laboratory	619

Astrophysics Science Division Code 660

Offices	
High Energy Astrophysics Science Archive Research Center (HEASARC) Office	660.1
Office of Scientific Computing	660.2
Instrument Development Group	660.3

Laboratories	
Astroparticle Physics Laboratory	661
X-ray Astrophysics Laboratory	662
Gravitational Astrophysics Laboratory	663
Observational Cosmology Laboratory	665
Exoplanets and Stellar Astrophysics Laboratory	667

Heliophysics Science Division Code 670

Laboratories	
Solar Physics Laboratory	671
Heliospheric Physics Laboratory	672
Geospace Physics Laboratory	673
Space Weather Laboratory	674

Solar System Exploration Division Code 690

Offices	
Solar System Exploration Data Services Office	690.1
Space Geodesy Project Office	690.2

Laboratories	
Astrochemistry Laboratory	691
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Planetary Systems Lab	693
Laser Remote Sensing Laboratory	694
Planetary Magnetospheres Lab	695
Planetary Geodynamics Lab	698
Planetary Environments Laboratory	699

Administration and Resources Mgmt. Office Code 603
Provides support to the Directorate's Divisions and Offices to plan and execute their budgets in accordance with Agency and Center policies and procedures.

Science Proposal Support Office (SPSO) Code 605
SPSO assists Goddard scientists and technologists in responding in a timely and effective manner to new research proposal opportunities.

Computational and Information Sciences and Tech. Office (CISTO) Code 606
CISTO provides Information Technology (IT) and computational services to support the Sciences and Exploration Directorate (SED). This includes access to high-performance computing and networking, mass storage and information systems technologies, and computational science expertise.

Groups	
Networks and IT Security	606.1
High Performance Computing	606.2
Information Science and Tech. Research	606.3
Scientific Visualization Studio	606.4

NASA's Goddard Space Flight Center

NASA's Goddard Space Flight Center is home to the nation's largest organization of combined scientists, engineers and technologists that build spacecraft, instruments and new technology to study Earth, the sun, our solar system and the universe.



NASA's Goddard Space Flight Center's main campus is located within Greenbelt, Md., about 6.5 miles northeast of Washington, D.C. The center is a major U.S. laboratory for developing and operating unmanned scientific spacecraft. Goddard manages many of NASA's Earth observation, astronomy and space physics missions.

<http://www.nasa.gov/centers/goddard/home/>

Sciences and Exploration Directorate Code 600

<http://science.gsfc.nasa.gov>

Researchers in the Sciences and Exploration Directorate work with engineers, computer programmers, technologists, and other team members to develop the cutting-edge technology needed for space-based research. Instruments are also deployed on aircraft, balloons, and Earth's surface.

General inquiries about the scientific programs at NASA's Goddard Space Flight Center may be directed to the Center Office of Communications at 301.286.8955.

**NASA's Goddard Space Flight Center
Public Inquiries
Mail Code 130
Greenbelt, MD 20771
USA**

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National Aeronautics and Space Administration



**Goddard Space Flight Center
Sciences and Exploration
Directorate**

Goddard Science