

## At Marshall Space Flight Center, we...



Create new ways to send human and robotic explorers into space.

Study planets, comets and more to discover how our planet was formed.

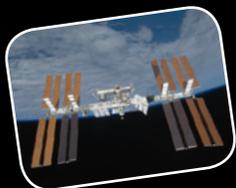


Forecast violent solar eruptions and investigate how they affect us on Earth.



Monitor the Earth to understand climate patterns and improve weather forecasting.

Create air and water recycling systems for space, and coordinate science experiments on orbit.



Work with industry partners to develop innovative technologies.

Motivate and inspire students to consider science, technology, engineering and mathematics careers.

These are just a few of the ways we work to understand our home planet and explore beyond her bounds.

Our innovations save lives, protect the environment, contribute to the economy and expand human knowledge.

Meet some of our Marshall team members who help make all this possible...

## At NASA, we...

explore the mysteries of Earth,  
our solar system and worlds beyond,  
create innovative new tools for exploration,  
and discover answers that inspire new questions  
in a never-ending quest for knowledge.

National Aeronautics and Space Administration  
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National Aeronautics and  
Space Administration



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Marshall Space Flight Center



**Phil Sumrall**

I am a rocket scientist. When I was 23, I met rocket pioneer Wernher von Braun by chance in a barbershop. He inspired me to work for NASA on the huge Saturn V rocket that sent Americans to the moon. Now I lead young engineers who research and develop new rockets to propel people, robots and telescopes on space voyages. I enjoy helping turn exploration dreams into exciting journeys.

**“We must continually set goals that will challenge the human spirit to the utmost.”**

*—Dr. Wernher von Braun, October 1967*

**Lybrease Woodard**

I am a space operations manager. I get to work with astronauts and scientists from all over the world who are performing science experiments in the most complex laboratory ever built—the International Space Station. When I watch crew members carry out activities I helped plan, I feel like I’m right there beside them, helping them successfully complete the job. We are here 24/7 in the Payload Operations Center at Marshall to help these researchers answer questions to make our lives better.



**Lori Mullins**

I am a pyrotechnics specialist. I oversee the design of pyrotechnics used on boosters that propel the space shuttle into orbit. These explosives ignite the boosters to release the space shuttle from the launch pad. They also separate the boosters from the fuel tank at just the right moment in the air, and help deploy parachutes that return spent boosters to Earth. Although small, these explosives can, within 50 microseconds, break a nut that is strong enough to carry 1.6-million pounds.



**Pedro Rodriguez**

I am an artist. I spend my days telling NASA’s story in vivid words and images. I design creative posters, brochures and other products to relate our story to all sorts of people: students, teachers, NASA workers, business leaders and you. I like using art to show you America’s space program—a program we can all take great pride in.

**Dan Irwin**

I am an Earth scientist. I use NASA satellite data to make special maps for people in developing countries around the world. These maps can show where drought, hurricanes, flooding and other natural disasters will happen or have already happened, or where landscapes have been ravaged through deforestation. At a glance, disaster relief workers or environmental officials can pinpoint areas they need to evacuate, send help to, or better protect.



**Explore more...**

To learn the rest of the story from the Marshall team members featured here, visit [www.nasa.gov/marshallfaces](http://www.nasa.gov/marshallfaces)