National Aeronautics and Space Administration

### In 2014 NASA launched a bold campaign to unveil the

mysteries of a well-known planet, taking on the greatest challenge of our generation, to understand our changing planet, it's climate, sea level rise, freshwater resources, and extreme weather events.

## EARTH **RIGHT** NOW

Your planet is changing. We're on it!



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### SMAP **Soil Moisture Active**

Studying soil moisture

### ILY 2014

### **DCO-2 Orbiting Carbon** Observatory-2

Measuring atmospheric carbon dioxide

SEPTEMBER 2014

### CATS Cloud-Aerosol Transport System

Observing pollution, dust & smoke in the atmosphere from ISS

### **ISS-Rapidscat**

Monitoring ocean winds from the International Space Station (ISS)

**5 New Earth Science** Missions in 2014 Together

with NASA's existing fleet of satellites, airborne missions, and researchers, these missions will help answer some of the challenges facing our planet today and in the future.



EBRUARY 2014

### GPM

**Global Precipitation Measurement Core Observatory** 

Next-generation measurements of global snow and rain

**Celebrate Earth Day** NASA celebrates Earth Day (April 22) with special public events in Washington's Union Station April 21 (11am-5pm) and April 22 (10am-6pm).

### Airborne Missions and Research NASA also monitors

Earth's vital signs with ambitious airborne and ground-based observation campaigns. In 2014 NASA wraps up a three-year campaign to study Atlantic hurricanes with unmanned aircraft.

### www.nasa.gov/earthrightnow

www.nasa.gov

## **National Aeronautics and Space Administration**

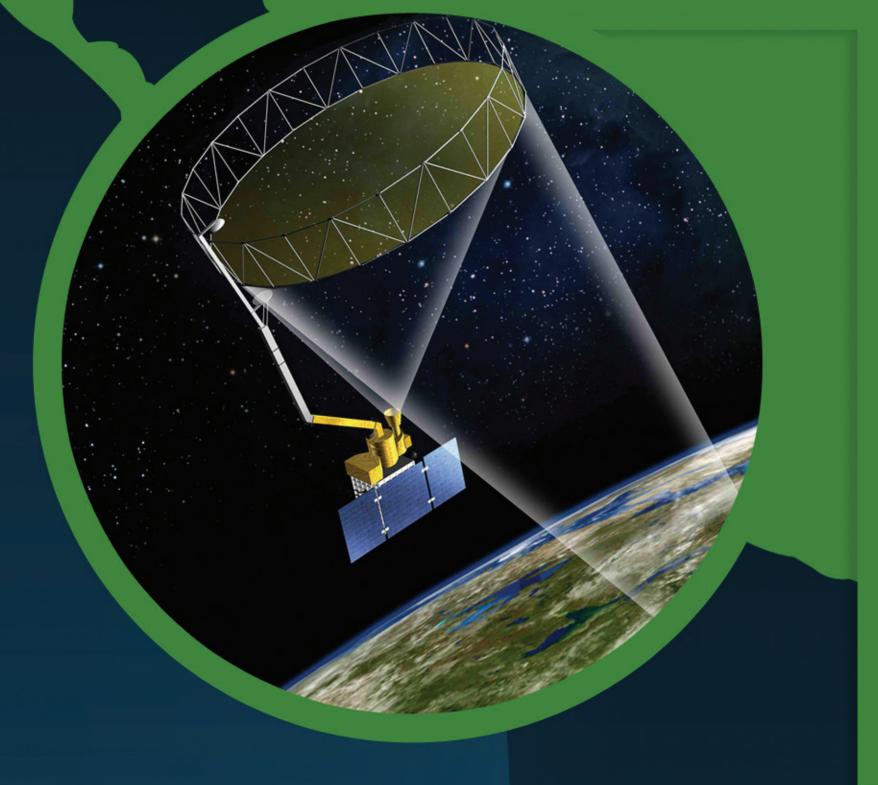
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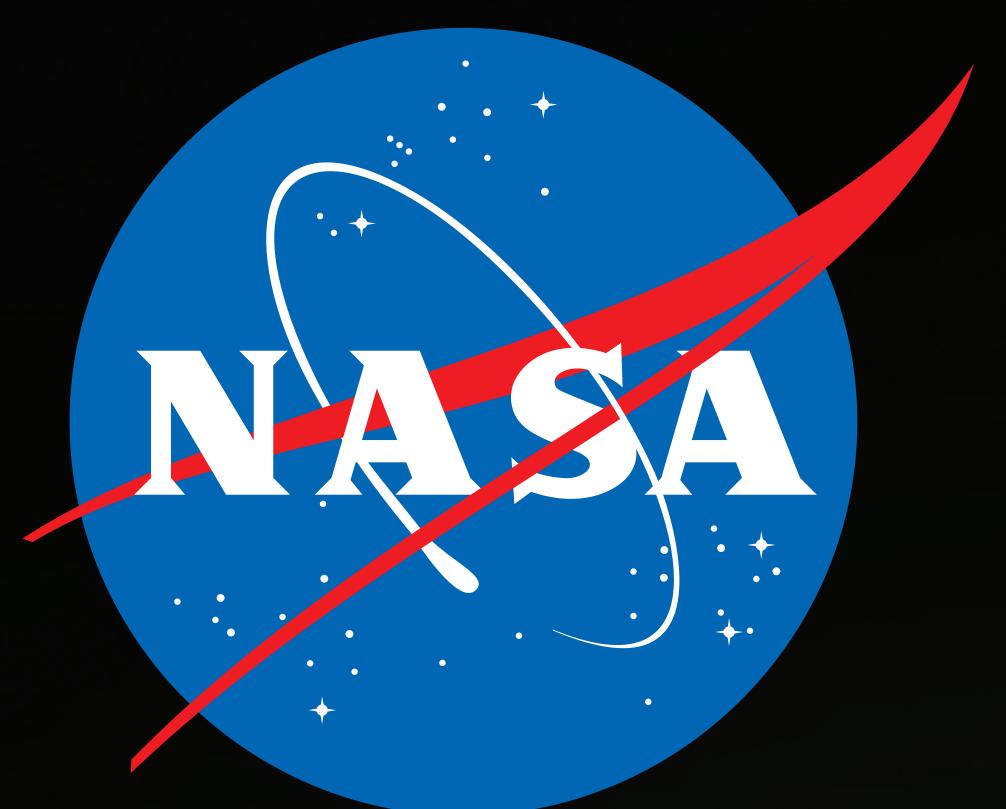


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### **NOVEMBER 2014**



Since the second second



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Measuring atmospheric carbon dioxide

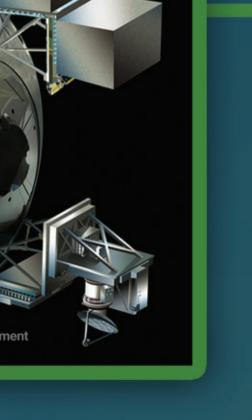
## **SEPTEMBER 2014**



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## **SS-RapidScat**

Monitoring ocean winds from the International Space Station (ISS)

# **Global Precipitation Measurement**



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