



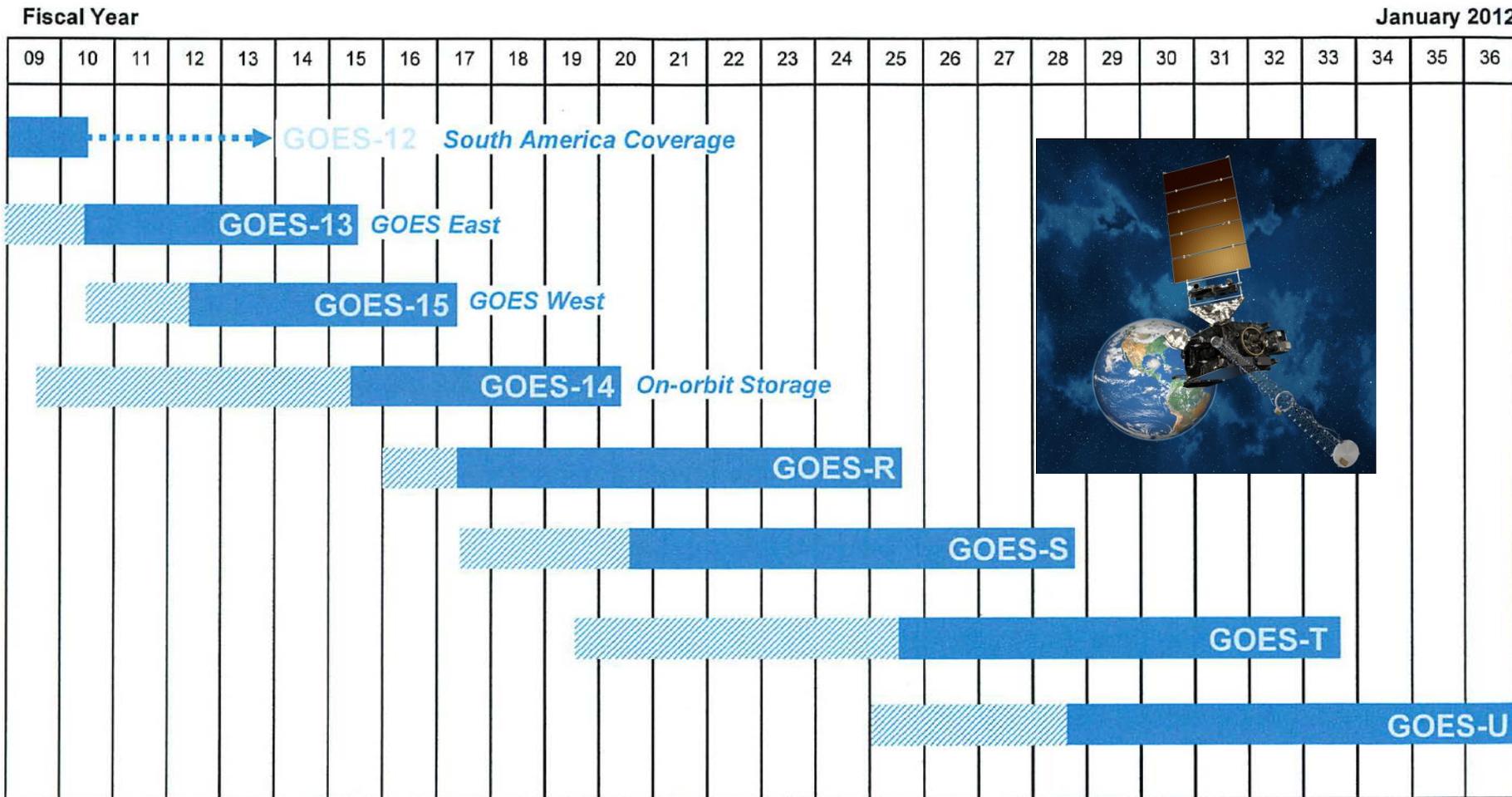
GOES-R Program Update

Greg Mandt

GOES-R System Program Director



NOAA Satellite Science Week
March 18, 2013



Approved: *Mary E. Kay*
 Assistant Administrator for
 Satellite and Information Services



Satellite is operational
beyond design life

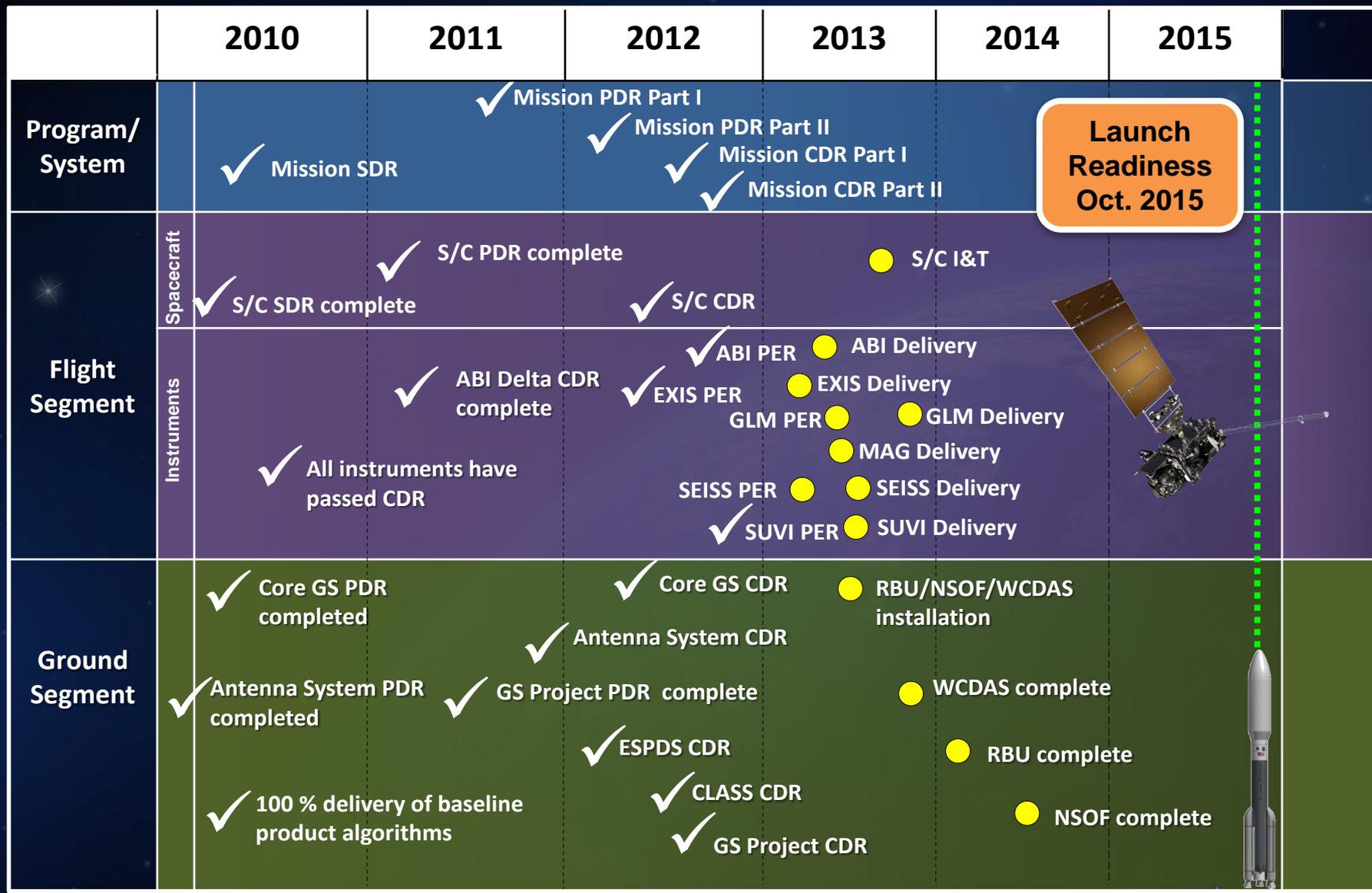


Post Launch Test / On-orbit
storage

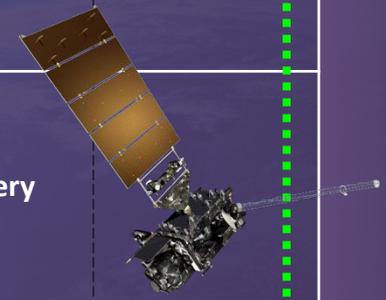


Operational

GOES-R Milestones



**Launch
Readiness
Oct. 2015**



Flight Project Progress

ABI Pre-Environmental Review Complete



ABI Thermal Vacuum Testing

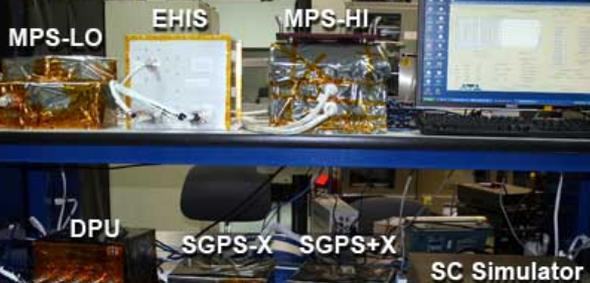
EXIS Pre-Environmental Review and Thermal Vacuum Testing Complete



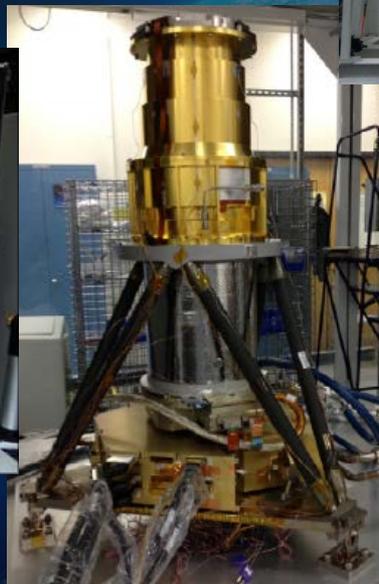
S/C Core Structure Delivered to Stennis



Launch Vehicle Contract Awarded



SEISS Suite Completed



GLM EDU Complete



SUVI Pre-Environmental Review Complete

Ground Segment Progress

Core GS Integrated Baseline Review Complete

GOES-R Antenna Structure Assembly at RBU Under Way

WCDAS Antenna Sites



RBU Antenna Sites



RBU Site 3 Reflector Assembly

Harris C400 Development Lab



MMP Installation at NSOF

WCDAS Site 5 Antenna Installation



WCDAS Power House Construction



NSOF PATRON Tool Now Operational

NSOF Electrical and Cooling Contract Awarded



New!

Online Training Modules

- GOES-R ABI: Next Generation Satellite Imaging (COMET)
- GOES-R: Benefits of Next-Generation Environmental Monitoring (COMET)
- GOES-R 101
- Satellite Hydrology and Meteorology for Forecasters (SHyMet)
- SPoRT product training modules
- VISIT Training Resources
- Commerce Learning Center

New!



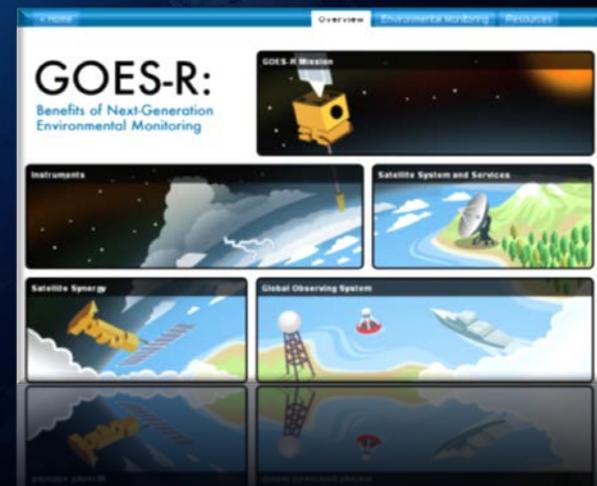
Updated!

Printed Materials

- GOES-R Fact Sheets (18)
- GOES-R Tri-fold
- User Readiness Plan
- GRB Downlink Specifications and Product Users Guide

GRB Simulators

- Available mid-late 2013





Education and Public Outreach Update



New YouTube page!

New look for goes-r.gov!

GOES-R
Geostationary Operational Environmental Satellite - R Series

A collaborative mission between NOAA and NASA

Home Mission User Information Education & Outreach Multimedia Resources Organization

GOES-R
Geostationary Operational Environmental Satellite - R Series

GOES-R is now in orbit! The GOES-R series is the next generation of geostationary weather satellites, scheduled for launch in 2016. The program is a collaborative development and acquisition effort between the National...

GOES-R
Geostationary Operational Environmental Satellite - R Series

The GOES-R series is the next generation of geostationary weather satellites, scheduled for launch in 2016. The program is a collaborative development and acquisition effort between the National...

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Satellite Insight
A GOES-R GAME

Start Game Instructions Learn More

YouTube

GOES-R Satellites

11 subscribers 79 video views

GOESRSatellites uploaded a video 6 days ago

Sounding Rocket Launch
22 views

This rocket is carrying a prototype X-Ray Sensor (PRS), which is part of the Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) instrument that will fly on GOES-R.

GOESRSatellites uploaded a video 6 days ago

GOES-R Mission Overview
20 views

About GOES-R Satellites

The Geostationary Operational Environmental Satellite - R Series (GOES-R) is the next generation of geostationary weather satellites, scheduled for launch in 2016. The program is a collaborative development and acquisition effort between the National...

by GOESRSatellites

Date Joined Feb 7, 2013

Country United States

The next generation of geostationary Earth-observing systems

GOES-R
Geostationary Operational Environmental Satellite - R Series

NEW! Interactive 3-D Model

Instruments

- EUV and X-Ray Irradiance Sensors (EXIS)
- Solar Ultraviolet Imager (SUVI)
- Space Environment In-Situ Suite (SEISS)
- Magnetometer (MAG)
- Advanced Baseline Imager (ABI)
- Geostationary Lightning Mapper (GLM)

Unique Payload Services

- Communications
- Spacecraft

Benefits Science Engineering

Instruments Overview

The Geostationary Operational Environmental Satellite - R Series (GOES-R) is a collaborative development and acquisition effort between the National Oceanic and Atmospheric Administration (NOAA) and the National Aeronautics and Space Administration (NASA) to develop, deploy and operate the next generation geostationary environmental satellite series that will provide timely and accurate weather forecasts, severe storm tracking, space weather monitoring, and meteorological research. The GOES-R instrument suite includes three types of instruments: Earth sensing, solar irradiance...

WIKIPEDIA
The Free Encyclopedia

GOES-R
From Wikipedia, the free encyclopedia

The Geostationary Operational Environmental Satellite - R Series (GOES-R) is the next generation of geostationary environmental satellites which will provide atmospheric and surface measurements of the Earth's Western Hemisphere for weather forecasting, severe storm tracking, space weather monitoring, and meteorological research. GOES-R is a follow-on to the current GOES system which is operated by NOAA's National Weather Service for weather monitoring and forecasting operations as well as by researchers for understanding interactions between land, ocean, atmosphere, and climate. The GOES-R series program is a collaborative development and acquisition effort between NOAA and NASA to develop, deploy, and operate the next generation geostationary environmental satellite series that will provide timely and accurate weather forecasts, severe storm tracking, space weather monitoring, and meteorological research. The GOES-R instrument suite includes three types of instruments: Earth sensing, solar irradiance...



Live Media Event
April 3, 2012, Goddard TV Studio

THE EARTH SCIENTIST

Winter 2012 • Issue 4 • Winter 2012 \$10.00

Free NOAA/NASA GOES-R Satellite Poster

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2013 Calendar

GOES-R
Geostationary Operational Environmental Satellite - R Series

GOES-R article and poster in Winter 2012 issue of *The Earth Scientist*

GOES-R (Geostationary Operational Environmental Satellite - R Series)

2,617 likes · 170 talking about this

Government Organization

The Geostationary Operational Environmental Satellite - R Series (GOES-R) is the next generation of geostationary weather satellites, scheduled for launch in 2016.

About

2,617 Likes

Welcome to GOES-R!



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | NOAA SATELLITE AND INFORMATION SERVICE

Save the Date

"Strengthening Partnerships to Enhance User Readiness, Reception, and Utility"



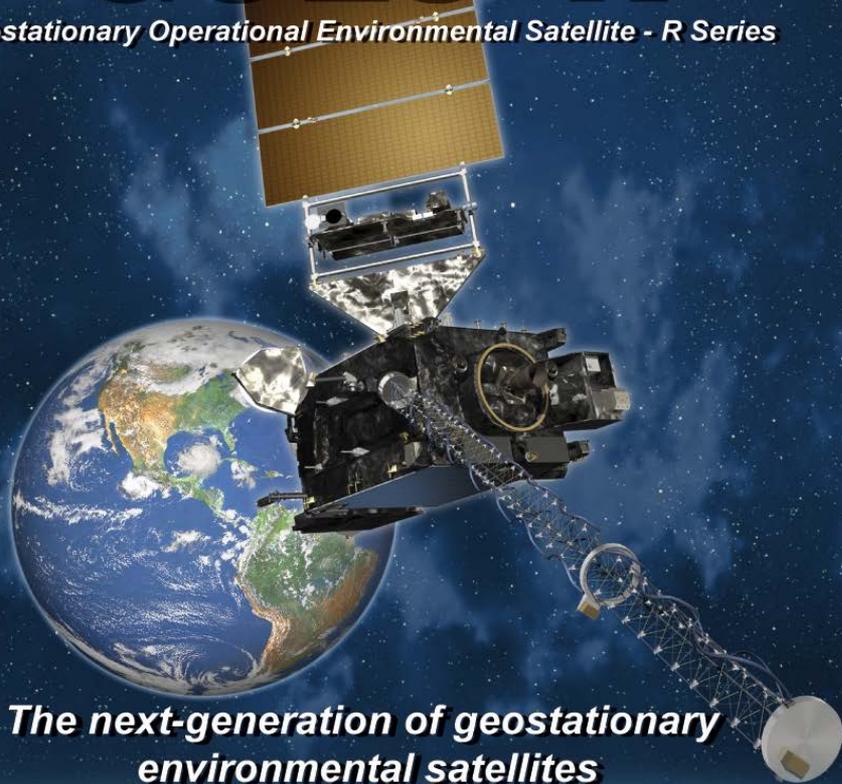
You are cordially invited to join us for this engaging event focused on users

NOAA Satellite Conference
April 8-12, 2013
College Park, Maryland

<http://satelliteconferences.noaa.gov/2013>

GOES-R

Geostationary Operational Environmental Satellite - R Series



The next-generation of geostationary environmental satellites



Advanced imaging for accurate forecasts



Real-time mapping of lightning activity



Improved monitoring of solar activity

Spacecraft image courtesy of Lockheed Martin

Thank you!

Any ???

For more information visit www.goes-r.gov



www.facebook.com/GOESRsatellite

<https://www.youtube.com/user/goesrsatellites>