

More on STAR and Looking Ahead

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NOAA Data and Information are Essential For...

**Hazards, Severe
Weather, Watches,
Warnings**

Climate

Ocean

Defense

Transportation

Industry

Agriculture

Commerce

Environmental Monitoring

New Era of Environmental Remote Sensing



- New sensors with improved calibration and capabilities
- Fosters new science products with global impacts
- New geophysical retrieval algorithms
- More demanding calibration accuracy requirements
- Opportunities for international collaboration
 - » CEOS & GSICS



— Launched Late 2011



Planned Launch:
Late 2016



Planned Launch:
Early 2016



JMA AHI Cal/Val Collaboration

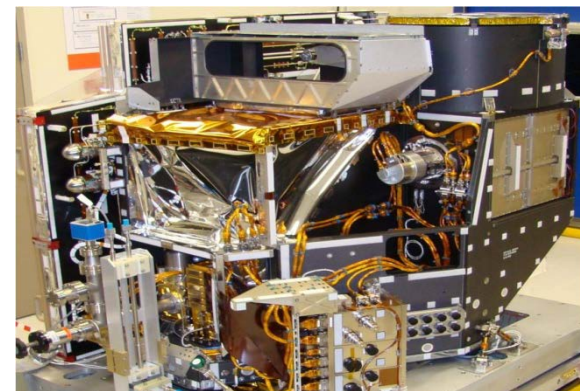
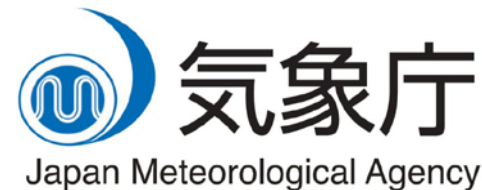


Collaborating with Japan Meteorological Agency (JMA)

- » MOU is in place with multiple successful exchanges
- » AHI is a sister instrument to the future GOES-R ABI
- » Planned launch: October 2014, which is ahead of the GOES-R
- » Analysis of AHI data may provide potential risk mitigation opportunities that can be leveraged for ABI support
- » NOAA hosted JMA scientists

JMA shares with NOAA early on-orbit calibration and instrument performance data(NOAA and JMA MOU)

NOAA scientists collaborate with JMA on instrument calibration/validation using AHI data (proposal funded by the program office for JMA visitors)



JMA: Himawari

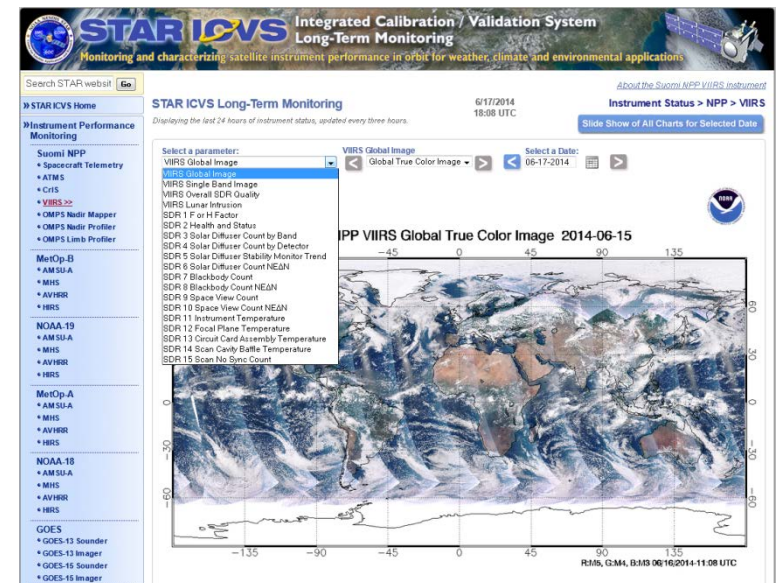
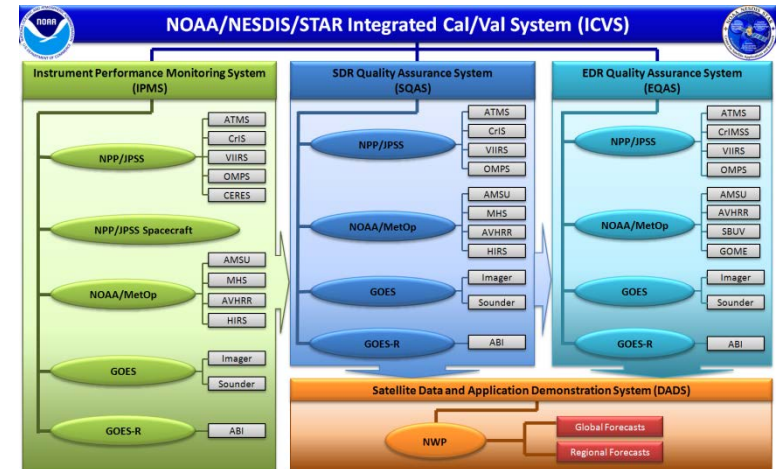
16 Band Imager

Spectral Region	Spatial Resolution
6 VNIR/SWIR	0.5,1 & 2 km
10 Infrared	2 km

Integrated Calibration/Validation System (ICVS) at NOAA NESDIS



- An enterprise solution to near real-time performance monitoring for all NOAA environmental satellite instruments
- Satellite observations made intercomparable and tied to international standards for weather, climate, ocean and other environmental applications
- Benefits:
 - Near real time and long term instrument status, performance monitoring, and anomaly diagnosis
 - Near real time and long term level 1 data product quality monitoring
 - Provide real time support for sensor calibration activities
 - Provide rapid and preliminary estimate of satellite data impact in NWP applications
 - Ensure the integrity of the climate data records from all satellite instruments



The background of the slide is a high-contrast, black and white image of the cosmic web. It shows a complex network of glowing filaments and clusters of galaxies against a dark, almost black, space. The filaments are thin and thread-like, while the clusters are denser and more bright. The overall effect is one of vastness and intricate structure.

Thank You