

Training for GOES-R User Readiness

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A Changing World

Events of 2010



Deepwater Horizon
Over 100 days'
deployment



"Snowmagedon"
DC – Baltimore Paralyzed
for 7 days



Iceland Volcanic Ash
\$2B Aviation Impacts

Supporting these events *singularly* stretched NWS' resources and capabilities



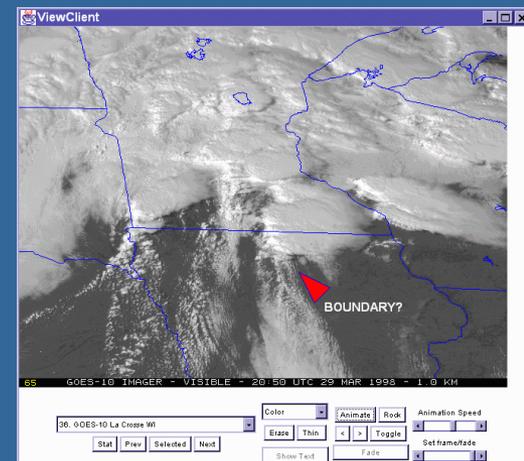
October 2011



Training for GOES-R User Readiness

Opportunities & Challenges

- Legacy Requirements & Products
- Opportunities: GOES-R Proving Ground
- NOAA Moving to Roadmap 2020 –
Decision Support Services
- Need for New Ideas
Human Performance & Simulations



2011: A Year of Extremes

More than 550 Fatalities



~1,400 Tornadoes



Historic U.S. Floods



Pacific Tsunami



3 Million Acres Burned



Devastating Blizzards



Challenges for NOAA

- Many satellite requirements based on 90s
- Current data/products use outdated concepts:
 - Limited processing, remapping, sectorizing, etc.
- Future plans include legacy approaches
- Hard for Federal Agencies to Break Out

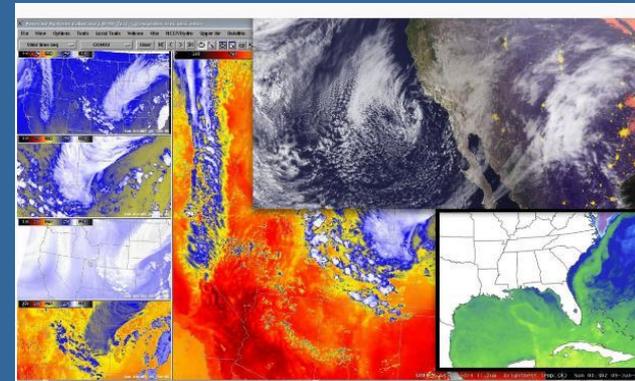


Opportunities

GOES-R Proving Ground

Prepare **Users, Managers & Developers**

- **Rapidly Evolving Technology with Feedback**
- **Human Performance → Support Services**
- **Evolving Societal Needs & Impacts**



Examples of GOES-R Proving Ground images and products

GOES-R Satellite Proving Ground Mission Statement

The Geostationary Operational Environmental Satellite (**GOES-R**) Satellite Proving Ground project engages the National Weather Service (NWS) forecast and warning community in pre-operational demonstrations of selected capabilities anticipated from the next generation of National Oceanic and Atmospheric Administration (NOAA) geostationary earth observing systems...

Leveraging Training for Performance Improvement & User Readiness

Innovative Solutions Tested using Simulations

Training is important in good times and bad. Training is a line item that's easy to whack when budgets get tight, because it's not always easy to see its immediate payoff.

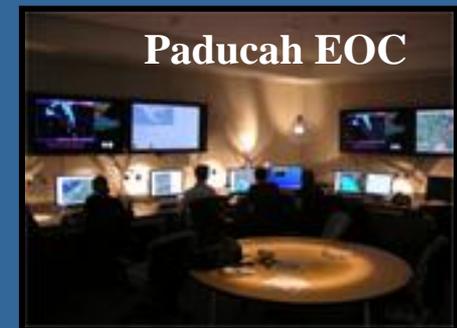
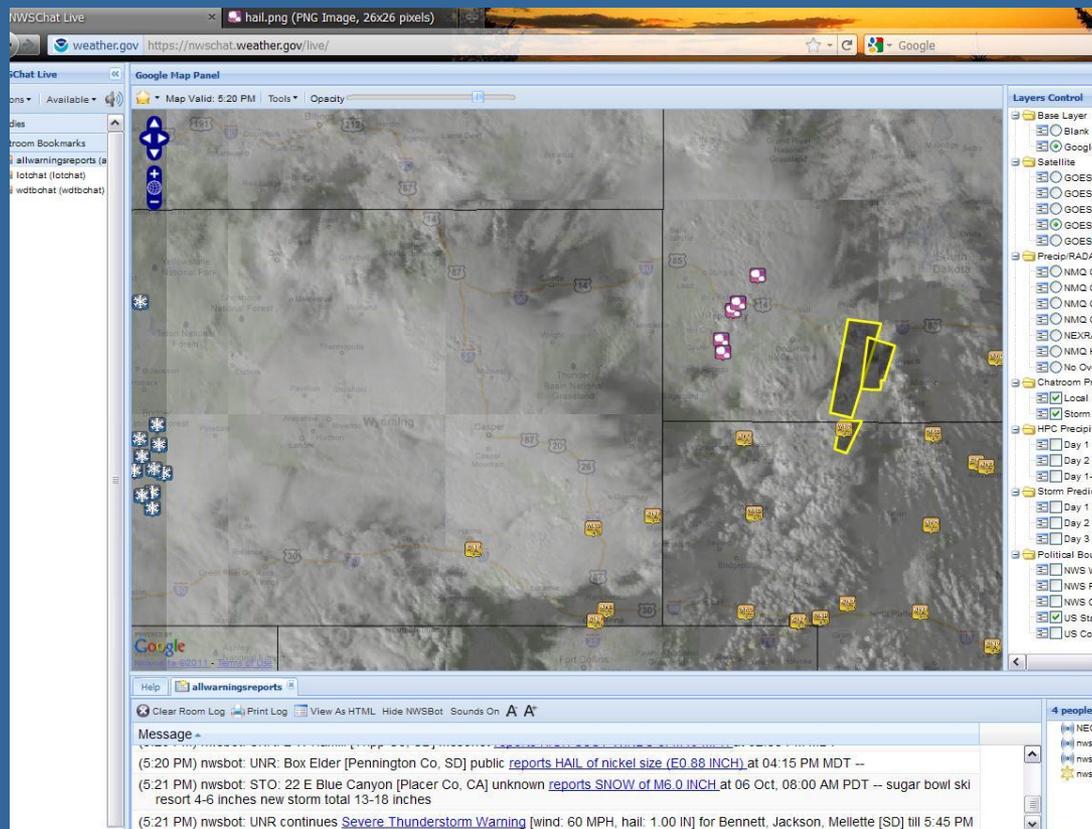
That misses the point, however.



Training is about getting people ready to execute and put their training to the test when the organization needs it most.

GOES-R User Readiness Opportunities

Work on Readiness via Proving Grounds
Open to New Ideas & Opportunities



Web Information

VISIT

rammb.cira.colostate.edu/visit

COMET METED

meted.ucar.edu

CIMSS Prov Ground

cimss.ssec.wisc.edu/goes_r/proving-ground.html

A screenshot of the National Weather Service Learning Center website. The page features a header with the NWS logo and navigation links. The main content area includes a welcome message, a list of courses, and a calendar. The layout is clean and professional, with a focus on providing educational resources.

A screenshot of the GOES-R Proving Ground website. The page displays a mission statement, a list of resources, and a gallery of satellite images. The mission statement describes the project's goal to engage the NWS forecast and warning community in pre-operational demonstrations of selected capabilities anticipated from the next generation of National Oceanic and Atmospheric Administration (NOAA) geostationary earth observing systems. The resources section includes links to various products and data. The gallery shows several satellite images of Earth from space.

A screenshot of the MetEd website. The page features a header with the MetEd logo and navigation links. The main content area includes a search bar, a list of modules, and a section for special interest. The page is designed to provide educational resources for meteorology professionals. The search bar is prominently displayed, and the list of modules includes details such as the title, language, and publication date.