

Introduction to NWS Operational Presentations



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June 4, 2014

GOES-R/JPSS Proving Ground/User-Readiness Meeting

NWS Piece of the GOES-R/JPSS Proving Ground Puzzle

- NWS provides guidance and feedback to the GOES-R/JPSS Satellite Proving Ground on training, utilities, and strengths/weaknesses of baseline and future capabilities to ensure user readiness.

User Readiness: is defined as operational NWS meteorologists obtaining the skills, competencies, and ability to use GOES-R/JPSS data/products in the forecast process once the data are available in AWIPS.

- NWS HQ and Regional SSD Chiefs provide guidance on GOES-R/JPSS science advances, training, and how these relate to achieving Weather Ready Nation Goals.
- 45 WFOs/RFCs and 7 NCEP centers currently provide feedback on the operational usefulness of GOES-R/JPSS products.

What is the Purpose of the Operational Presentations?

- Explain how forecasters at WFOs/RFCs/NCEP Centers have been trained on, used, and evaluated GOES-R/JPSS Proving Ground data/imagery/products in the forecast process.
- Focused on the following **meeting objectives**:
 - Discuss training and future user-readiness for all operational forecasters
 - Highlight specific Satellite Proving Ground activities
- The following “Guidelines” were provided to the NWS presenters...

1. WFO/RFC/NCEP Center Involvement in Satellite Proving Ground

- How long has your WFO/NCEP Center participated in the Satellite Proving Ground?
- What GOES-R/JPSS product(s) have been evaluated and for how long?
- What forecast problems has your WFO/NCEP Center addressed with the GOES-R/JPSS product(s)?



2. GOES-R/JPSS Training Experiences

- What were your Proving Ground **training experiences** with GOES-R/JPSS products?
- Was the forecast staff **prepared** to use the product(s) in operational context (i.e., forecast process and/or warning process or both) after the training?
- Were forecasters provided training addressing **real-time validation** or **verification** of the product(s)?
- What were the **strengths or deficiencies/weaknesses** in the training approaches delivered to the forecasters?
- After the training, was **additional content** developed to help your forecasters understand or integrate the product(s) into their current forecast/warning process?

3. GOES-R/JPSS Product Evaluations

- Summarize your WFO/NCEP Center overall evaluation of the product(s).
- What were the strengths and weaknesses of the product(s) when they were used in the forecast process?
- How was the product(s) used with datasets forecasters are comfortable using (i.e., data fusion/integration)?

NWS West Coast GOES-R Fog and Low Stratus Survey

This survey is designed to capture NWS forecaster feedback during the GOES-R Fog / Low Stratus Demonstration at NWS Forecast Offices. The GOES-R Proving Ground thanks you for participating in the demonstration and providing feedback on the usefulness of the products and how they were used in operations. I encourage you to provide us with additional comments within the survey as they help the algorithm developers understand your specific thoughts about the products.

Sincerely,

Chad Gravelle
NWS Operations Proving Ground - GOES-R Satellite Liaison
*** Required**

Which WFO do you forecast for? *

What is your current title? *

How many years have you been a forecaster at the current WFO? *

If you did not evaluate the GOES-R demonstration products on your current shift, please enter the approximate date and time the products were used.

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4. Operational Relevance of GOES-R/JPSS Products

- Do you think the product(s) has a role in the forecast process?
- Were new GOES-R/JPSS based GFE Smart Tools/Inits developed to use in the forecast process?
- Did the product(s) provide added value for the forecast process and/or operations?
- Should the product(s) be NWS Operational?

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AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE WAKEFIELD VA

142 PM EDT THU APR 17 2014

.AVIATION /18Z THURSDAY THROUGH TUESDAY/...

HIGH PRESSURE CENTERED OVER THE CANADIAN MARITIMES AND A TROUGH OF LOW PRESSURE OFF THE SOUTHEAST COAST ARE COMBINING TO KEEP WINDS FROM THE NORTHEAST. WINDS FROM 950 TO 850 MB ARE BECOMING MORE EAST AND CAN SEE THE CLOUDS WORKING BACK INTO THE COAST LINE NOW. THE BUFKIT SOUNDINGS ALSO SHOW THESE CLOUDS RETURNING. **USING THE EXPERIMENTAL GOES MVFR PROBABILITY IMAGES CAN SEE THE PROBABILITY OF CLOUDS BEING MVFR INCREASING OVER THE OCEAN. AT THIS TIME DO NOT BELIEVE CIGS WILL DROP INTO THE IFR RANGE.**

5. User Readiness of GOES-R/JPSS Products

- Should the product(s) have additional Satellite Proving Ground evaluations?
- What deficiencies do you feel need to be tested or evaluated in the product(s) to ensure NWS implementation and “user readiness”?
- In what way might these products be improved to be operationally useful?



What You Will See Over the Next Day and a Half

- **14 Presentations**
 - Each NWS Region Represented
 - NCRFC
 - AWC
 - SAB
 - OPC
- **Session Format**
 - NWS Presentation 1
 - NWS Presentation 2
 - 45 Minute Q&A Discussion - with the two presenters

Q&A Discussions: Keep in Mind the Meeting Objectives!

- 1. Review Satellite Proving Ground program status and discuss areas of synergy**
- 2. Discuss training and future user-readiness for all operational forecasters**
- 3. Highlight specific Satellite Proving Ground activities**
- 4. Discuss how Satellite Proving Ground activities are communicated**
- 5. Explain data delivery and utilization strategies for AWIPS**