

# **GOES-R/JPSS Satellite Liaison Update**

## **National Hurricane Center**

**Proving Ground All-Hands**  
**May 5, 2014**

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and

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# Wrap Up of 2013 NHC PG

- Final report nearly completion
  - Draft expected by May 12, 2014
- Some products received no feedback
  - May need to scale back number of products, or rotate products during the season
- Quantitative evaluation of Lightning RII and HIE to be completed soon

# NHC Proving Ground Meetings and Presentations

- Interdepartmental Hurricane Conference
  - March 3-6 2014, Miami FL
  - Oral presentation, Jack Beven (NHC)
- AMS Conference on Hurricanes and Tropical Meteorology
  - March 31 - April 4 2014, San Diego CA
  - Poster presentation, Jack Beven (NHC)
- M. Folmer at NHC, April 19-20
  - Discussion of technical aspects of 2014 TAFB and NHC Proving Grounds
- M. Brennan and M. DeMaria participating in TOWR-G project for TS/Hurricane watches and warnings
  - Coordination meetings with Joe Zajic and Eric Guillot

# Planning for the 2014 NHC Proving Ground

- Runs Aug 1 – Nov 30 2014
- LDM feeds established from NHC to CIRA and CIMSS
  - Will simplify product transfer
- DDS feed from NESDIS/OSPO to NCO being established
  - Will allow operational transition of some products
  - Creates a path for ATMS products
- Complete draft 2014 Evaluation Plan by May 17 2014

# 2014 NHC Proving Ground Timeline

<i>May 17 2014</i>	Draft 2014 Evaluation Plan
<i>Jun 01 2014</i>	Finalize 2014 Plan
<i>Jul 24 2014</i>	Briefing to NHC forecasters
<i>Aug 01 2014</i>	NHC PG begins
<i>Sep 2014</i>	Mid-project review at NHC A. Schumacher visit to NHC
<i>Nov 30 2014</i>	NHC PG ends
<i>Jan 2015</i>	Project Debriefing

# Possible New Products

- New RGB products
  - CIRA combined microwave/IR product
  - Improved dust product (CIRA DEBRA)
- Lightning density
- GOES-R derived motion winds
- ABI aerosol optical depth algorithm
- S-NPP
  - Selected imagery from VIIRS
    - High resolution vis/IR
  - ATMS/CrIS soundings
    - Adaptation of CIRA and CIMSS algorithms
    - Maximum potential intensity estimate
  - VIIRS/ATMS automated center fixing algorithm

# New Storm-Centered VIIRS Day-Night Band on CIRA TC Real Time Page

← → ↻ rammb.cira.colostate.edu/products/tc\_realtime/archive.asp?product=srsnppdv&storm\_identifier=WP062014



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## WP062014 - Typhoon TAPAH

### Current Active Cyclones

### Archive

- [2014 Season](#)
- [2013 Season](#)
- [2012 Season](#)
- [2011 Season](#)
- [2010 Season](#)
- [2009 Season](#)
- [2008 Season](#)
- [2007 Season](#)
- [2006 Season](#)

### Additional Information

### Additional Links

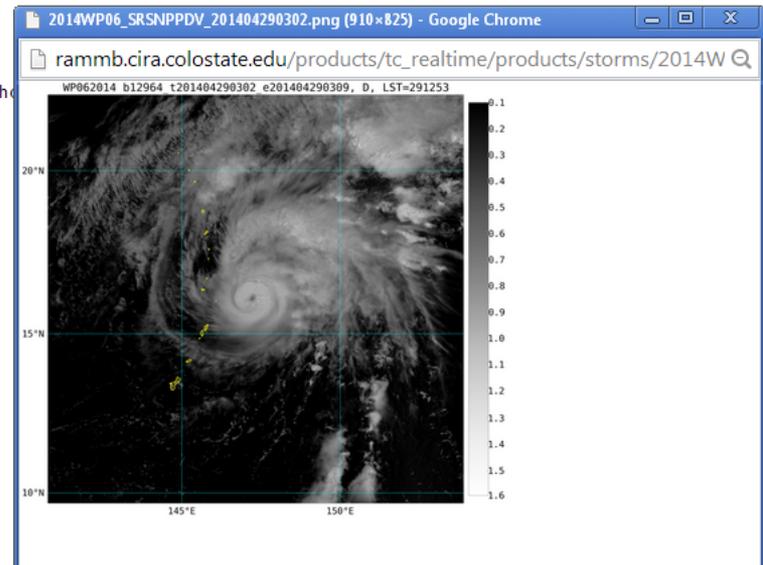
### Day/Night Visible Imagery VIIRS - Archive

#### [About This Product](#)

To view a loop of all images from this storm, click any of the "Loop" buttons with "Image" and "Ending Image", and then click any of the "Loop" buttons.

Clicking on an "Image" link will display the image for that specific synoptic time.

Synoptic Time	Starting Image	Ending Image	Display Loop	Display Image
2014-04-27 16:12	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-04-28 03:19	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-04-28 15:52	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-04-29 03:02	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-04-29 15:33	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-04-30 15:14	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-05-01 04:06	<input type="radio"/>	<input type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>
2014-05-01 16:35	<input type="radio"/>	<input checked="" type="radio"/>	<input type="button" value="Loop"/>	<a href="#">Image</a>



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