



An Update on the National Hurricane Center GOES-R Proving Ground: 2011 Experiment and 2012 Plans

All-Hands Conference Call March 12, 2012

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Project Overview

- Aug 1 to Nov 30, 2011: Experiment Period
 - 9 GOES-R Products Evaluated
 - Most feedback by e-mails
- Sep 13, 2011
 - Mid-year progress review at NHC
- Oct 2011
 - Mid-project report completed
- Oct 2011
 - J. Beven presentation at the GOES Users Conference
- Feb 9, 2012
 - Post-Project Conference Call
- Mar 6, 2012
 - J. Beven Project summary at Interdepartmental Hurricane Conference
- Mar 7, 2012
 - Meeting to discuss plans for 2012 at the IHC
- March 31, 2012
 - Completion of final report for 2011

2011 NHC Proving Ground Products

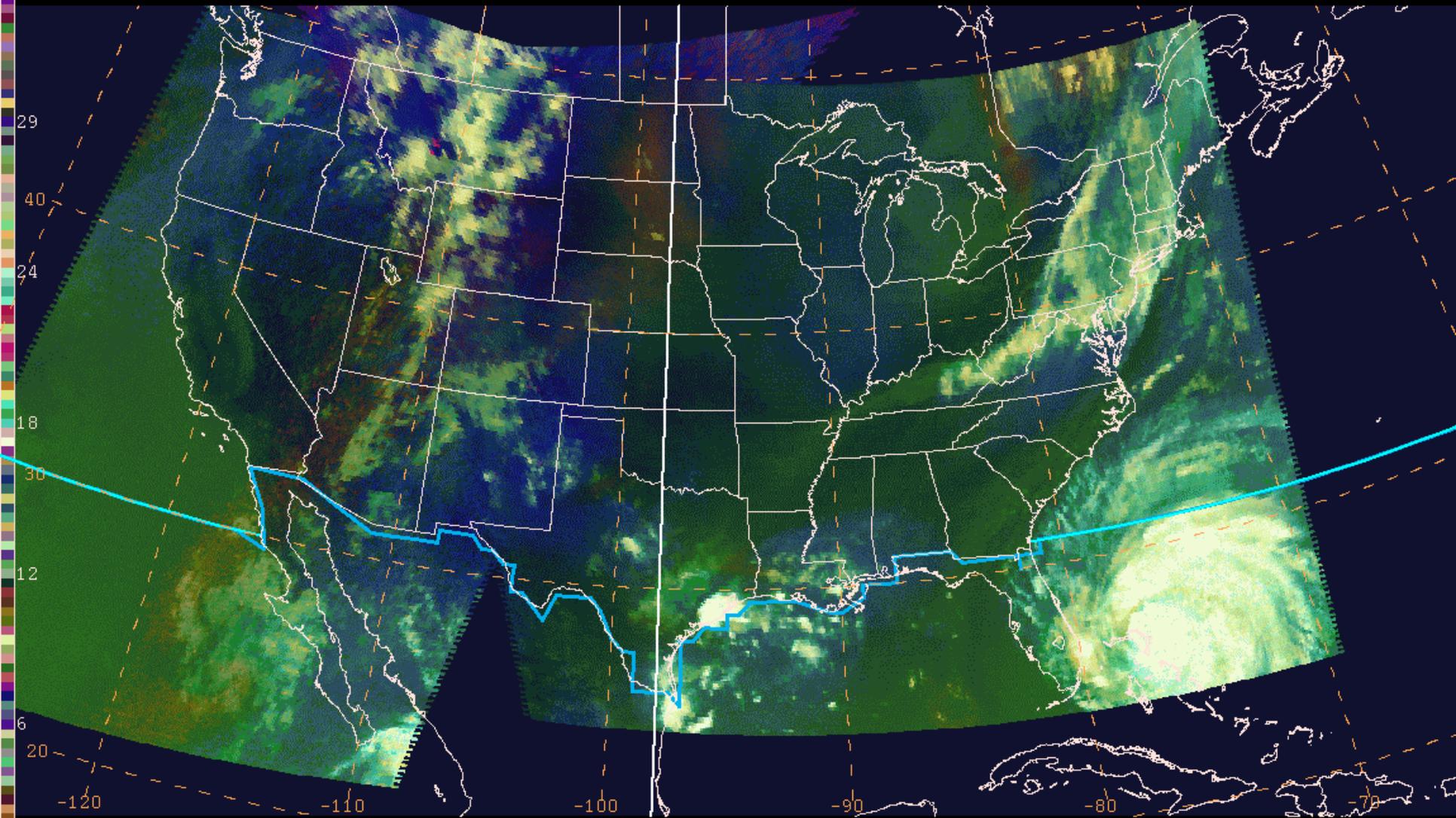
- **Baseline**
 - 1.Hurricane Intensity Estimate (HIE)
 - 2.Super Rapid Scan Imagery
- **Future capabilities**
 - 3.Tropical Overshooting Top (TOT) Detection Algorithm (**new**)
- **GOES-R Risk Reduction**
 - 4.Red-Green-Blue (RGB) Air Mass Product
 - 5.RGB Dust Product
 - 6.Saharan Air Layer (SAL) Product
 - 7.GOES-R Natural Color Imagery (**new**)
 - 8. Pseudo Natural Color Imagery (**new**)
 - 9. Rapid Intensification Index (RII)

- **Atlantic focus for all but 2, 7 and 9**

2011 Project Highlights

- N-AWIPS versions of RGB Air Mass and Dust products greatly increased their utilization
 - NHC, SPORT, CIRA coordination
- J. Knaff's GOES sounder version of RGB Air Mass product utilized during Irene, Lee landfalls
- HIE feedback continues to be useful for CIMSS developers
- SRSO most useful near sunrise
 - Repositioning of Nate
- Not many Atlantic RI cases
- Initial experience with TOT and natural color products

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110825/1701 SOUNDER AIRMASS

Plans for 2012 NHC Proving Ground

- Same 9 products evaluated
 - SAL and pseudo-natural color in N-AWIPS
 - Possible TOT in N-AWIPS w\ help from M. Folmer
- More formal method for product feedback
 - M. Brennan will adapt NHC blog
- Special SRSO near sunrise
 - Coordination with C. Velden on winds
- Increased participation by TAFB
- New training on ADT and HIE
- Special emphasis during September NASA experiment
- Coordination needed on site visits
 - *Need to be sensitive to TSB resource limitations!*
- Hurricane season and year round TAFB operations plans should not be independent
- Coordination with OPC/SAB/HPC proving ground