



GOES-R is expected to be launched in late 2015. Why train now?

For a number of reasons - the first one being experience particularly with the GOES 8 and later satellites. We don't want to start training after the satellite has been launched and we want our display systems capable of handling the new imagery and products. The second reason is that we can increase our awareness of GOES-R capabilities now by looking at other imagery and products.

How do we learn?

- Hearing – prefers lecture, conversation, module with audio
- Reading – prefers books, presentations with slides, module with text
- Seeing – prefers video/module with graphics
- Doing – prefers exercises, labs, on-the-job applications

Overcome: Resistance to learning non-relevant materials

1. Provide a context for the new information.
2. Organize and chunk information.
3. Provide simulations.
4. Develop various training materials to address various learning styles.
5. Transfer to workplace (via the Proving Ground)

Target Audience

Forecasters at NWS operational offices (National Center, Weather Forecast Office, River Forecast Center, and Central Weather Service Unit) and anyone else inside or outside NOAA who is interested.

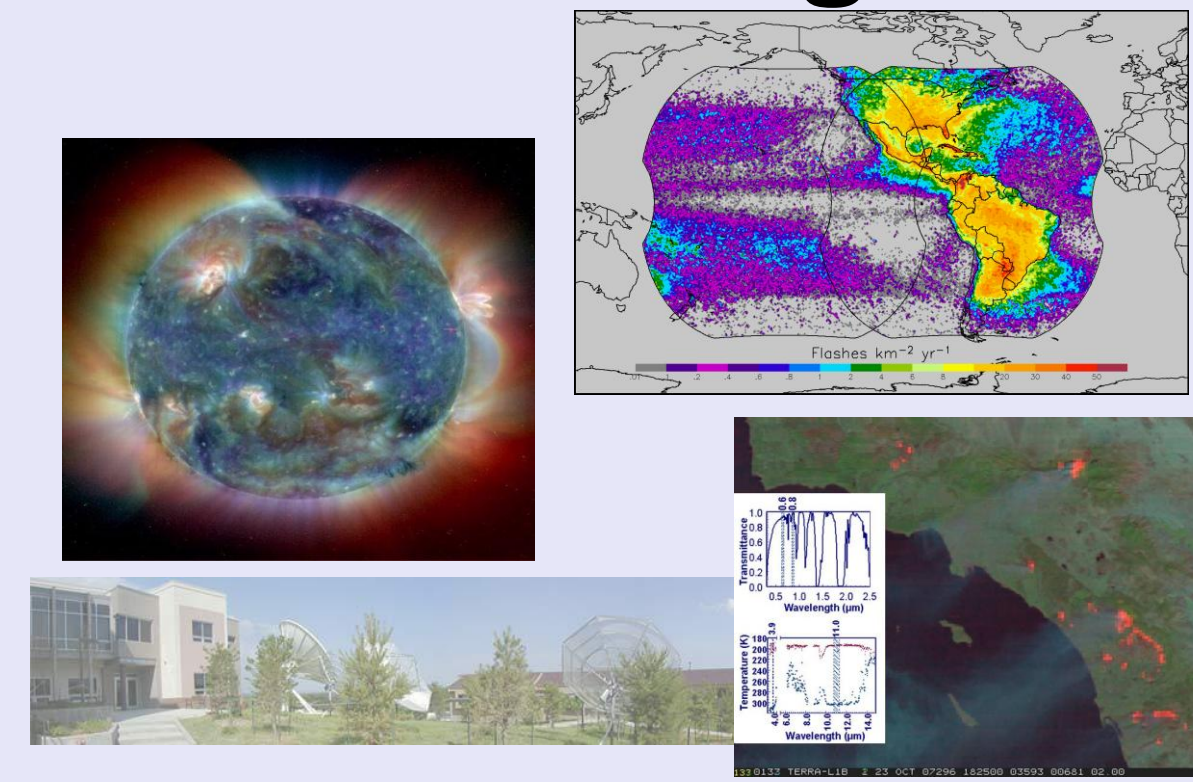
Tools:

VISITview, Articulate Presenter, Blog, Web Pages, Gotomeeting, Weather Event Simulator

Methods:

- Complete modules on GOES-R or Proving Ground Products
 - teletraining and recorded sessions
- Product examples embedded in topic modules
- Product Descriptions on web pages
- Blogs
- Simulations

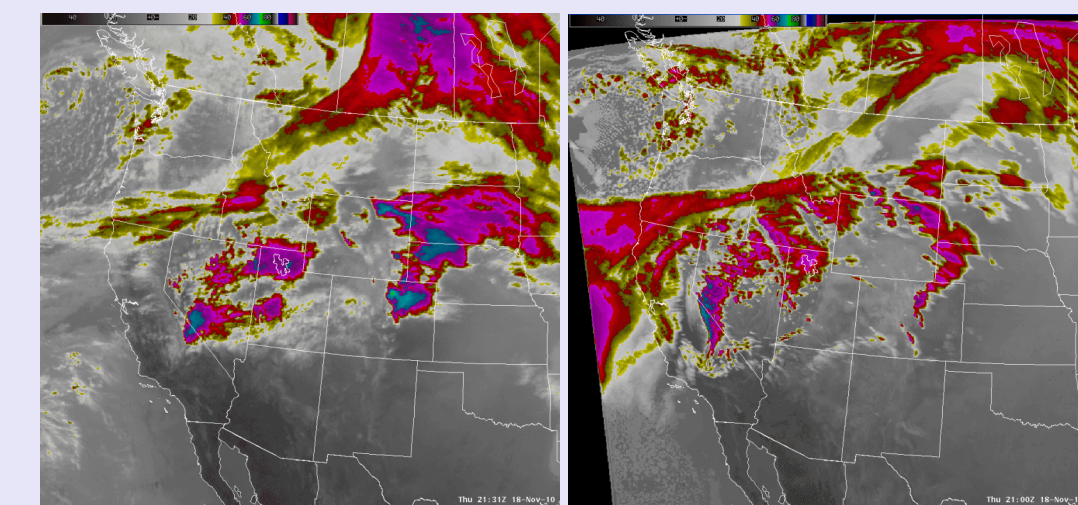
Teletraining and Modules



GOES-R 101 90 minutes

By B. Connell, T. J. Schmit, J. Gurka, S. Goodman, D. Hillger, and S. Hill
This session addresses “Why?”, “When?”, and “What Sensors?” will be on GOES-R, and presents examples of what to expect. If is a look at how we can start preparing for GOES-R now.

Module is included in the SHyMet for Forecaster Series
http://rammb.cira.colostate.edu/training/shymet/forecaster_intro.asp



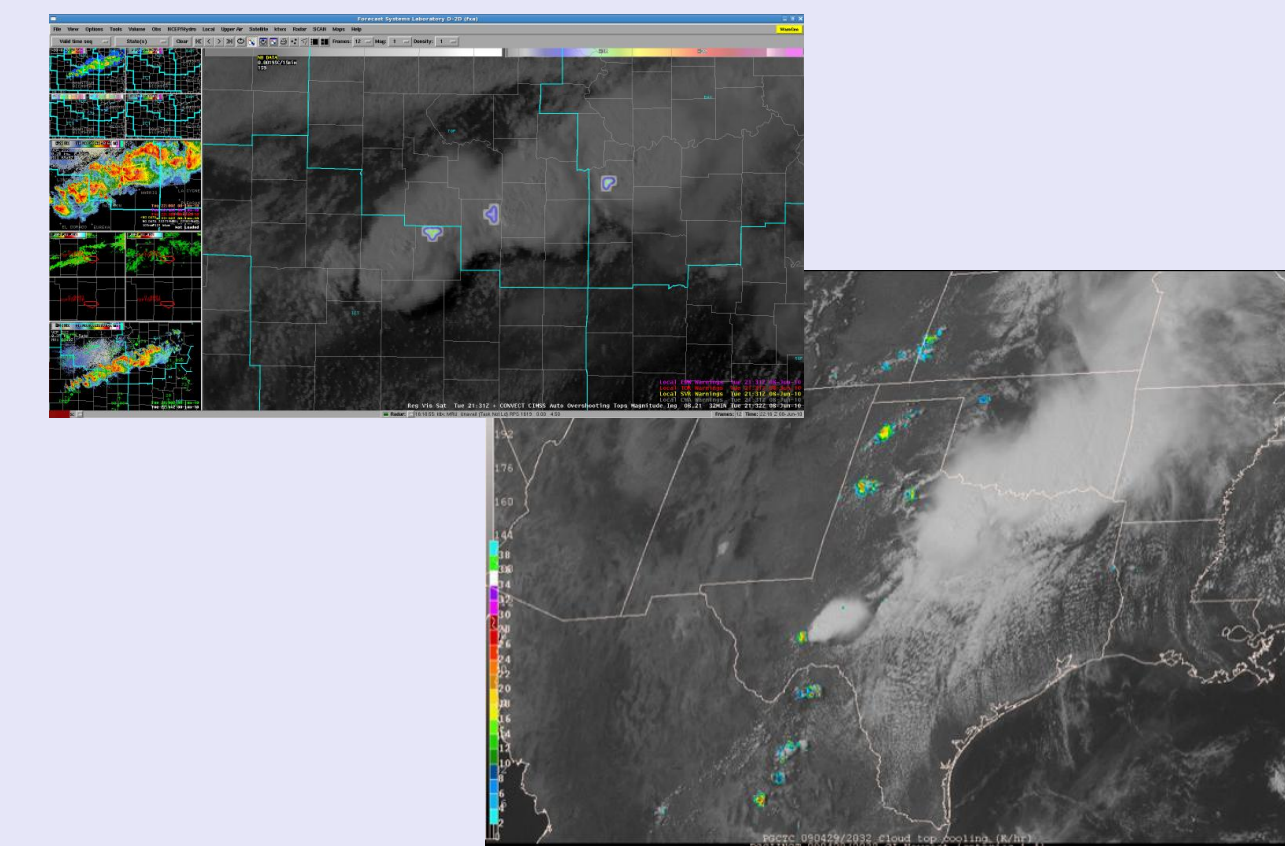
Synthetic Imagery in Forecasting Orographic Cirrus 30 minutes

By Dan Bikos

The sessions addresses: How to use synthetic imagery generated from model output to aid in identifying formation of orographic cirrus. Unpredicted orographic cirrus can dramatically alter the forecast for surface temperatures, day and night.

Available through VISIT as teletraining and in audio playback.

http://rammb.cira.colostate.edu/training/visit/training_sessions/synthetic_imagery_in_forecasting_orographic_cirrus/



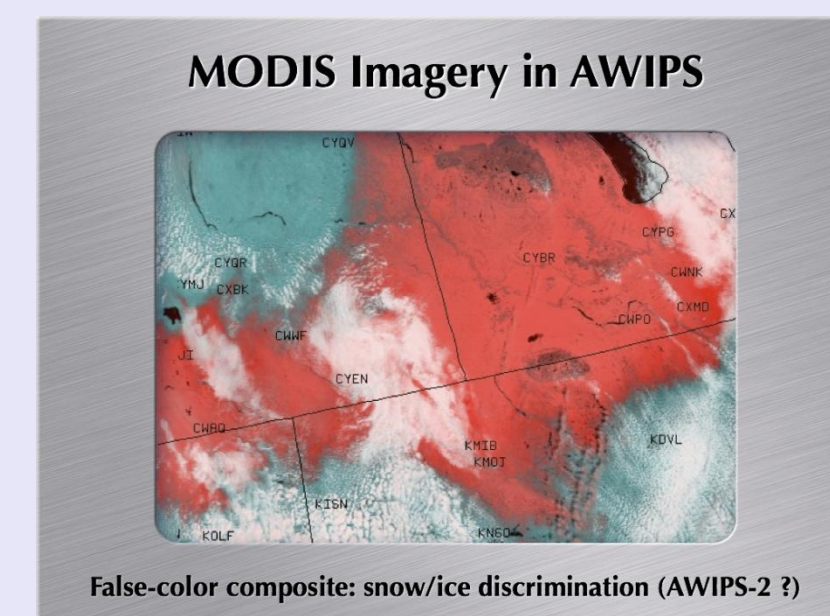
The UW Convective Initiation Product

Developed by J. Sieglaff, L. Counce, W. Feltz, K. Bedka, M. Pavlonis, and A. Heidinger

Delivered by Scott Lindstrom 40 minutes

This session describes the University of Wisconsin Convective Initiation (UWCI) product, which tracks cloud top temperatures and cloud types to determine when a particular cloud pixel is growing in the vertical. Available through VISIT as teletraining and in audio playback.

http://rammb.cira.colostate.edu/training/visit/training_sessions/the_uw_convective_initiation_product/



MODIS Products in AWIPS

By S. Bachmeier

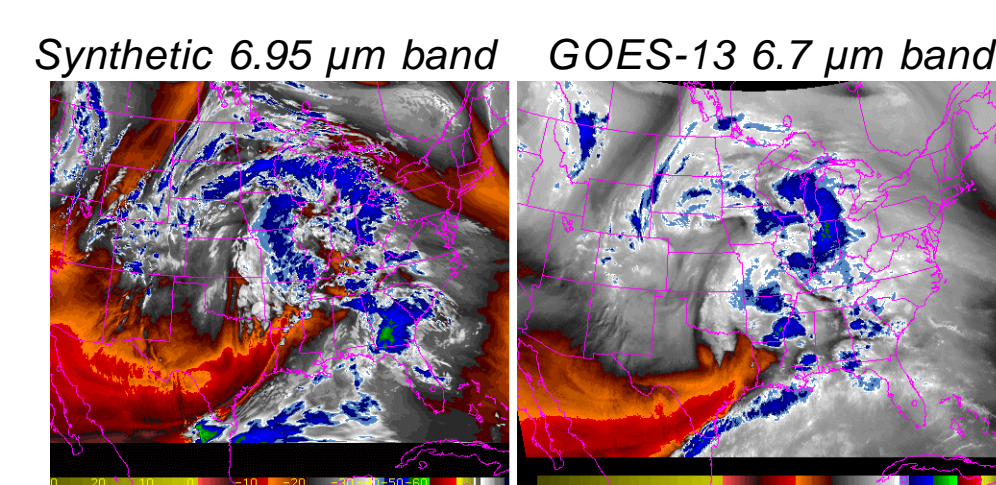
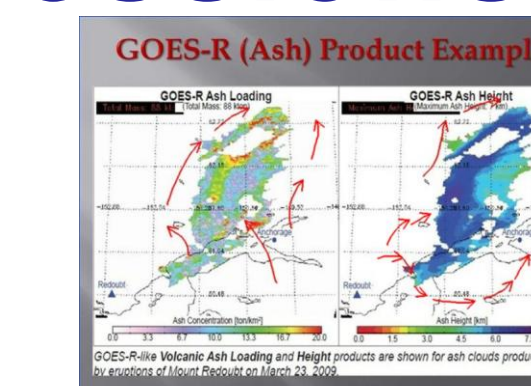
This teletraining describes the MODerate-resolution Imaging Spectroradiometer (MODIS) imagery and products. A variety of MODIS examples demonstrate the unique operational utility of these new satellite products, which will help forecasters prepare for new satellite channels and products coming in the JPSS and GOES-R era.

http://rammb.cira.colostate.edu/training/visit/training_sessions/modis_products_in_awips/

Embedded examples and complimentary sessions:

Volcanoes and Volcanic Ash Part 1

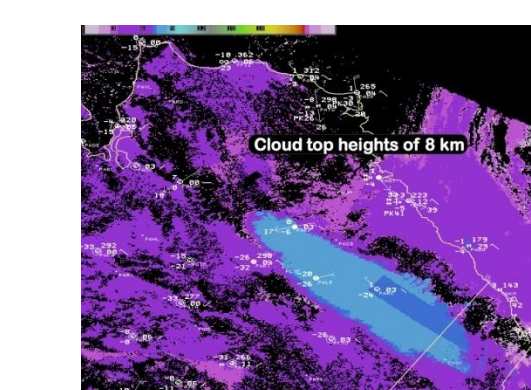
by J. Braun and J. Osienky



Tornado outbreak 24 April 2010, 12-24 UTC

Water Vapor Imagery Analysis for Severe Thunderstorm Forecasting

by D. Bikos and D. Lindsey



POES and AVHRR Data in AWIPS

by S. Lindstrom and S. Bachmeier



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BLOGS:

CIRA

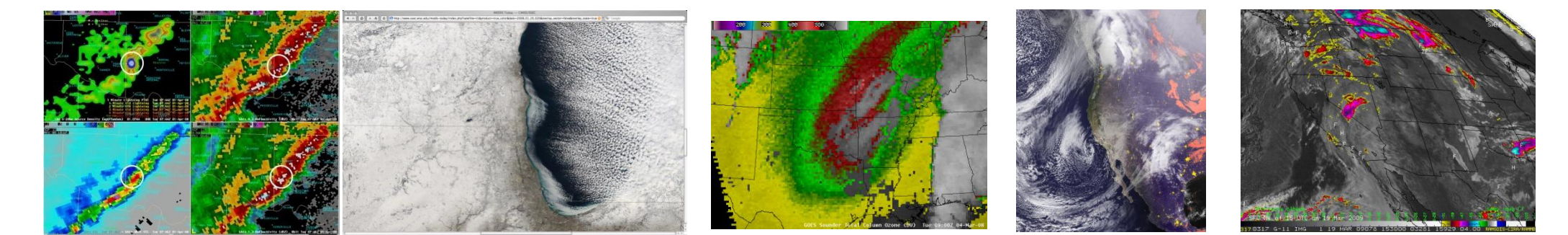
<http://rammb.cira.colostate.edu/training/visit/blog/>

CIMSS

<http://cimss.ssec.wisc.edu/goes/blog/>

Proving Ground Product List

http://cimss.ssec.wisc.edu/goes_r/proving-ground/products_list.html



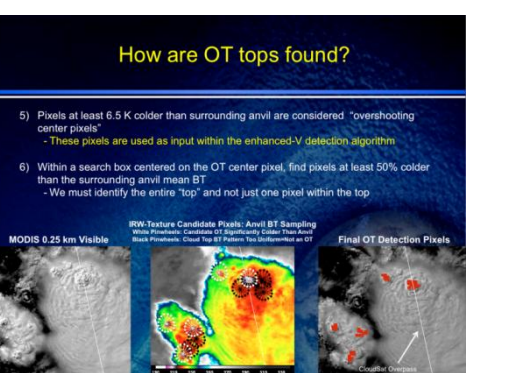
Soon to be released:

Teletraining/ online modules:

Objective Satellite-Based Overshooting Top and Enhanced-V Anvil Thermal Couplet Signature Detection

30 minutes

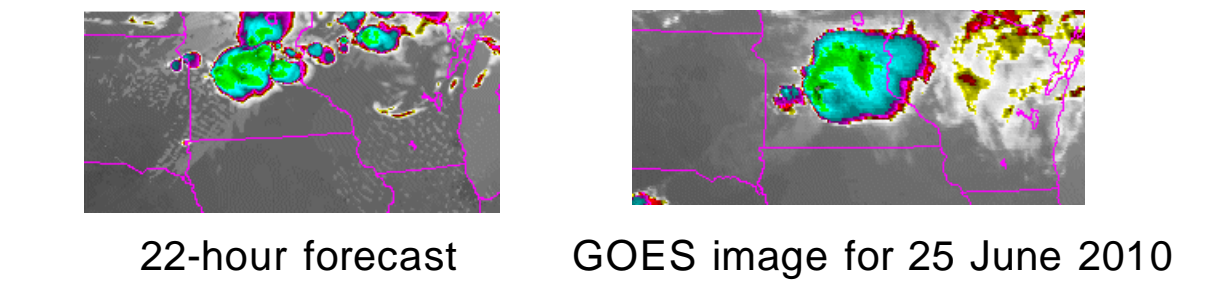
By K. Bedka, J. Brunner, L. Counce, R. Dworak, W. Feltz, and S. Lindstrom



Utilizing Synthetic Imagery from the NSSL 4-km WRF-ARW model in forecasting Severe Thunderstorms

60 minutes

By D. Bikos



Volcanoes and Volcanic Ash Part 2

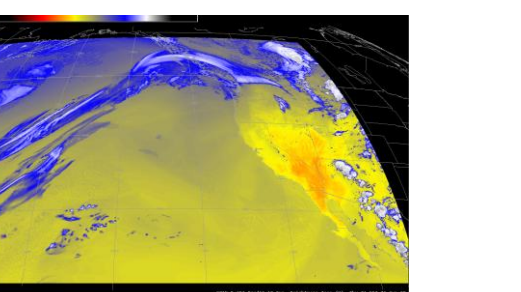
by J. Braun and J. Osienky



WES Case

WES Simulation Guide: Advanced Baseline Imager

by K. Bah, J. Gerth, and T. J. Schmit



http://cimss.ssec.wisc.edu/goes/abi/loops/WES_for_GOES-R_ABI_2011_Version.pdf

Acknowledgments

This work is supported by NOAA Grant NA090AR4320074. We are grateful to all contributors to the many information outlets. They would take an entire poster to list!