

Satellite Proving Ground All-Hands Meeting

Alaska Update

Eric Stevens

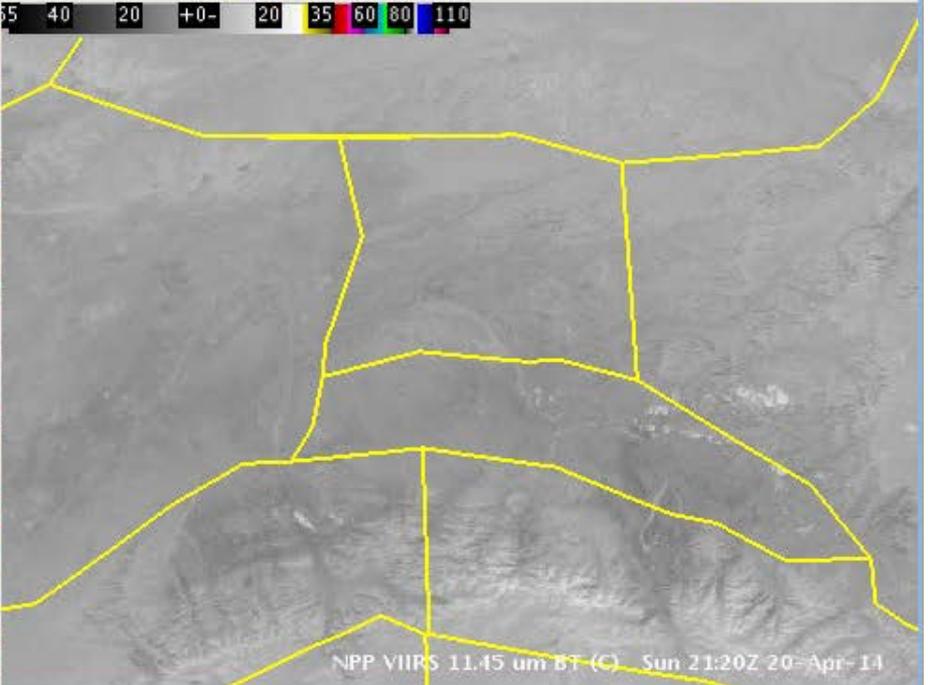
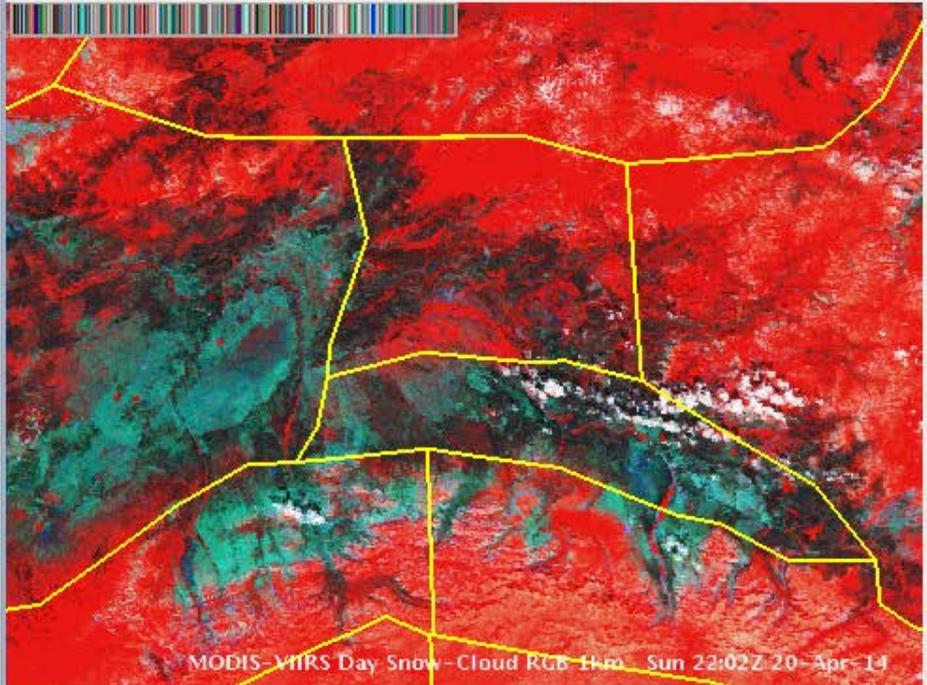
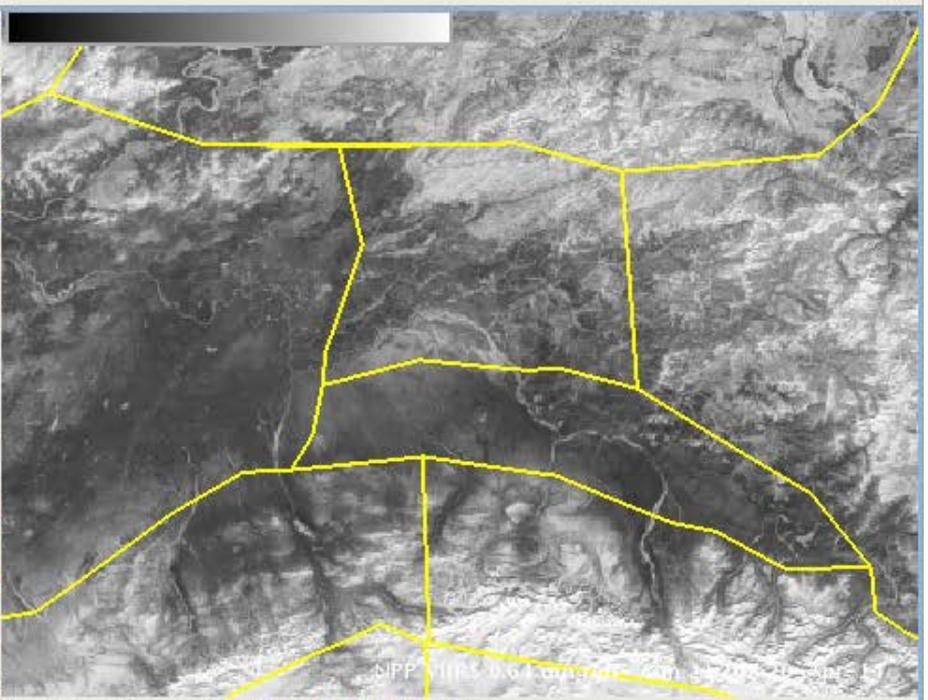
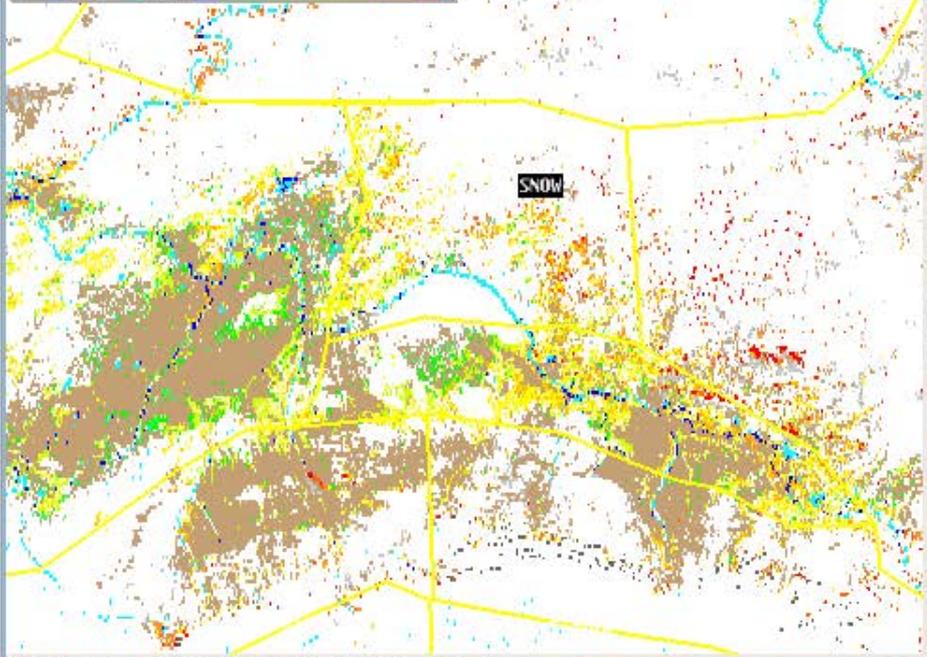
May 5, 2014

Proving Ground Activities in Alaska

- Products in support of “Breakup”
- Generation of products from CrIS
- AWIPS2 update
- Upcoming workshops

Products in Support of Breakup

- Under leadership of Bill Sjoberg and JPSS Program Office, development of new river ice and overland flooding products is successful
 - Collaboration with GMU, CCNY
- As with any new product, some rough spots
 - cloud shadows
- Upshot is that products are generated at GINA and shipped to NWS AK via LDM



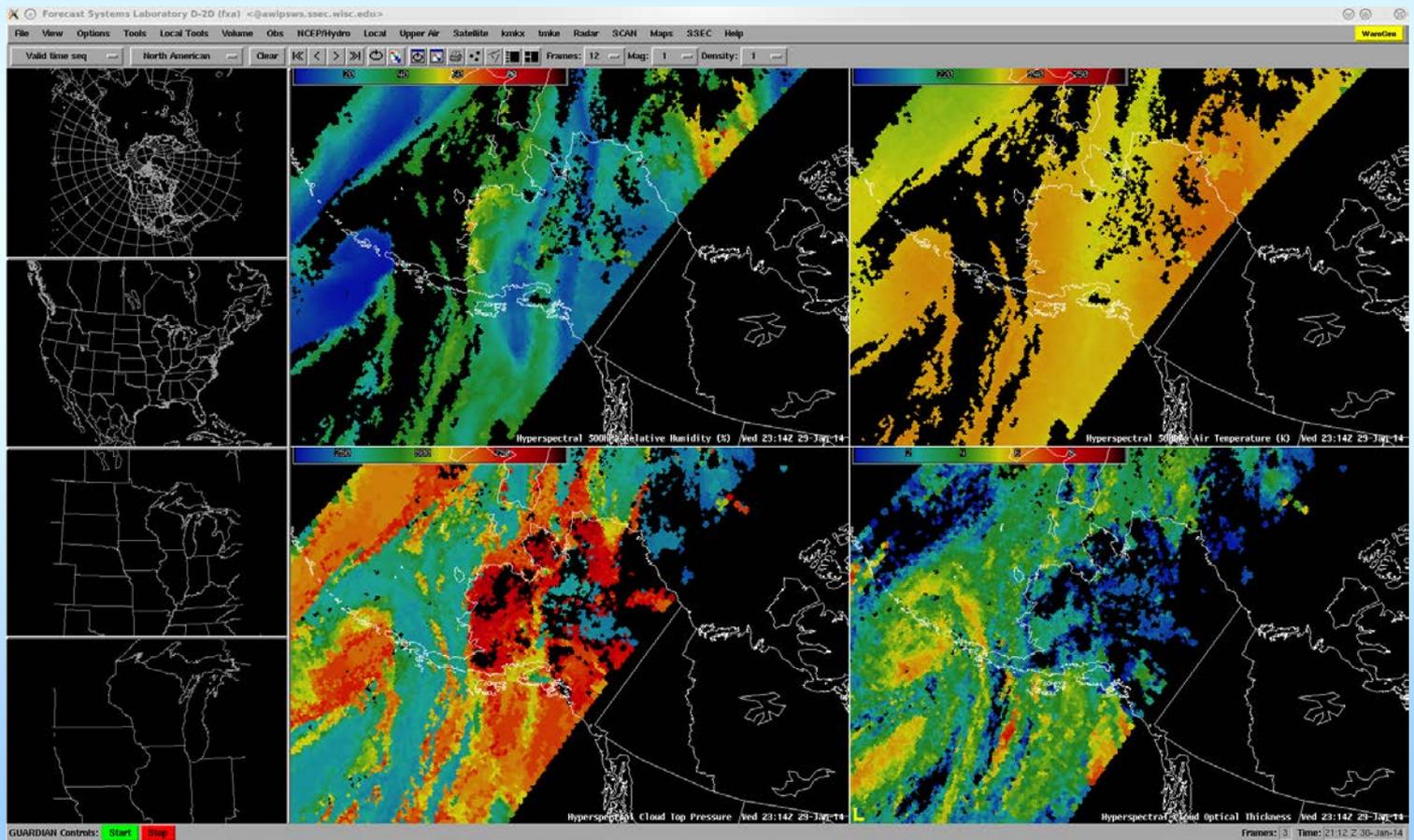
Products from CrIS

- CSPP code now generates AWIPS-ready products
 - UAF/GINA has just begun generating these products and sending them to NWS Alaska via LDM
 - we have not yet completely “closed the loop” to display in AWIPS...but coming soon
- For the future: use CrIS for “Cold Air Aloft”
- Anticipated challenge: how to best present these products to forecasters

Key Results/Accomplishments (1)

- Software package has been delivered to GINA/UAF (April 2014) to produce selected HS retrieval products (i.e., 500 hPa temperature and relative humidity, cloud top pressure, cloud optical thickness, and lifted index) for display on AWIPS.

AWIPS screenshot showing CrIS 500 hPa relative humidity (upper left panel), 500 hPa temperature (upper right panel), cloud top pressure (lower left panel) and cloud optical thickness (lower right panel).



AWIPS2 Update and Upcoming Workshops

- AWIPS2 update
 - WFO Juneau still on AWIPS1
 - I now have an AWIPS2 account at WFO Fairbanks
- Upcoming workshops
 - June: PG User-Readiness, Kansas City
 - July: OCONUS R2O Interchange, Honolulu
 - Late Summer: Liaison workshop with CIRA/COMET