



Aviation Weather Testbed: Proving Ground Update



May 5th, 2014

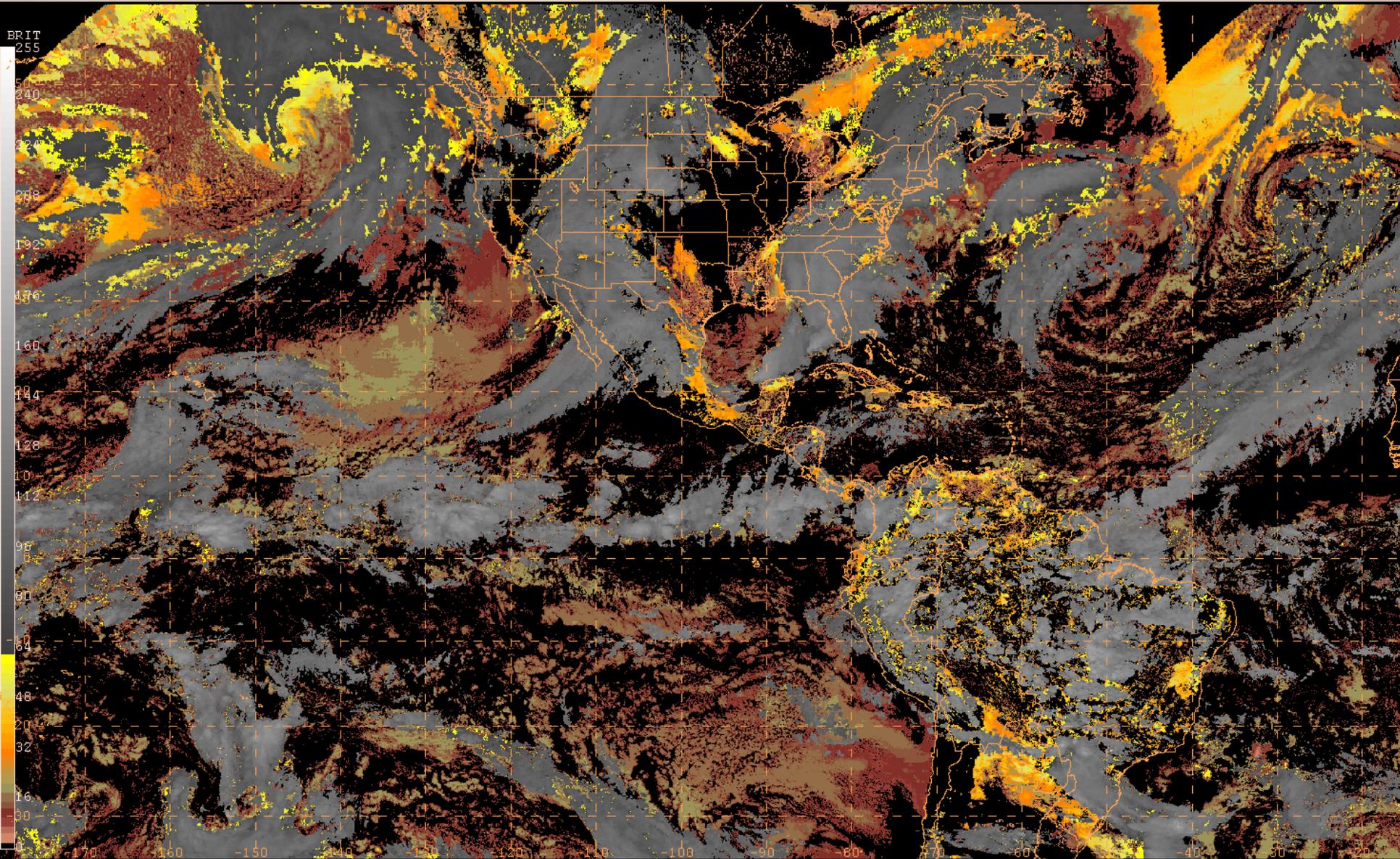
Evaluation Period I



Product	Status	Comments
Simulated Satellite Imagery	In Ops	- Used in combination with other turbulence parameters (Ellrod-Knox, Richardson number, etc.)
Flight Icing Threat	In Ops	- Not useful at night - Good observational tool, but no solutions due to higher clouds limits usefulness during the day
Day/Night Band	In Ops	- Tool that could be beneficial for Tropical and Caribbean FAs at night
ACHA Cloud Heights	Ops pending	- Currently being transitioned - Global and NHEM imagery available!
GeoColor Imagery	Ops Pending	- Currently being transitioned into operations
GOES/POES hybrids	Pending	- Pending ingestion - Full CONUS vs. East and West issue

**Mid-term report due in to Kathryn by May 19th

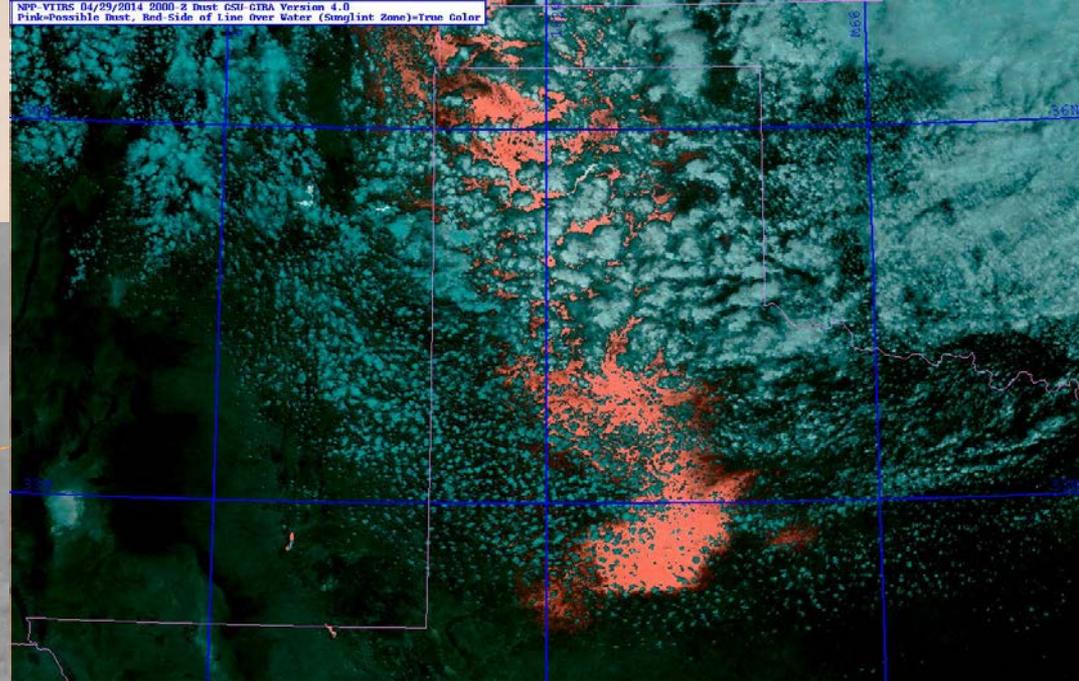
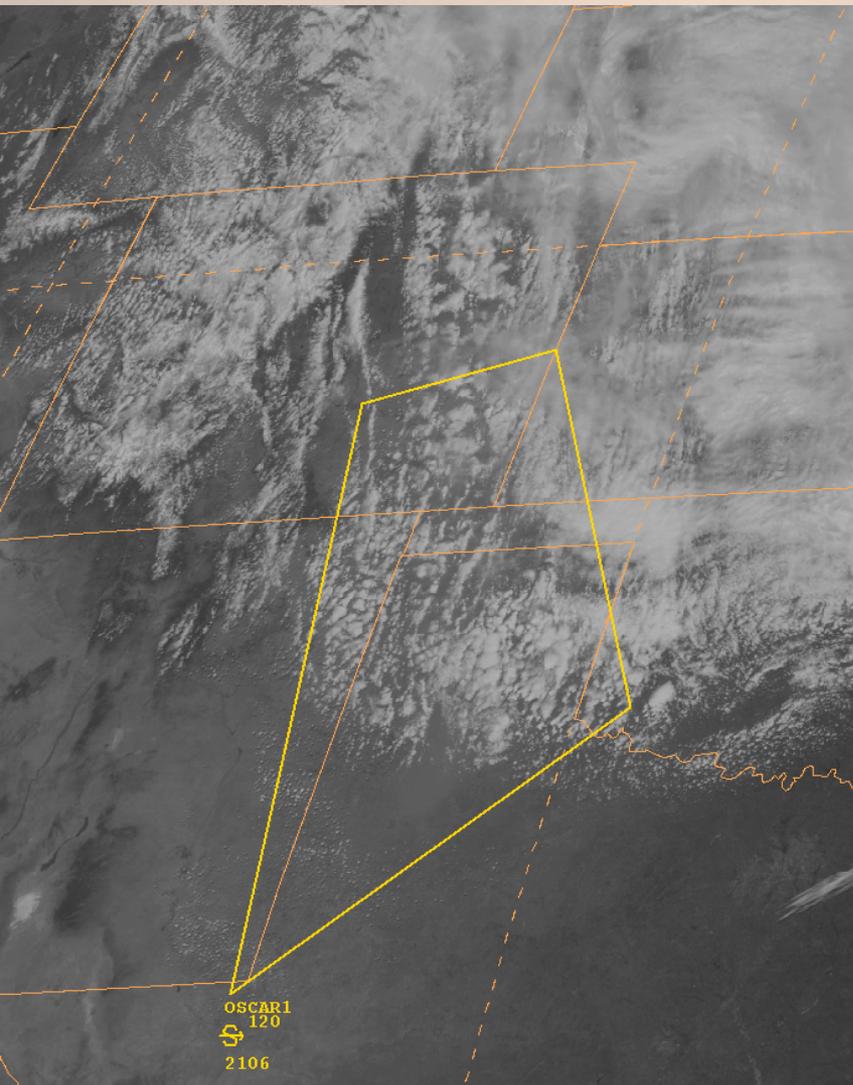
ACHA Cloud Altitude



140418/1800 GLOBAL cld top hght (feet)

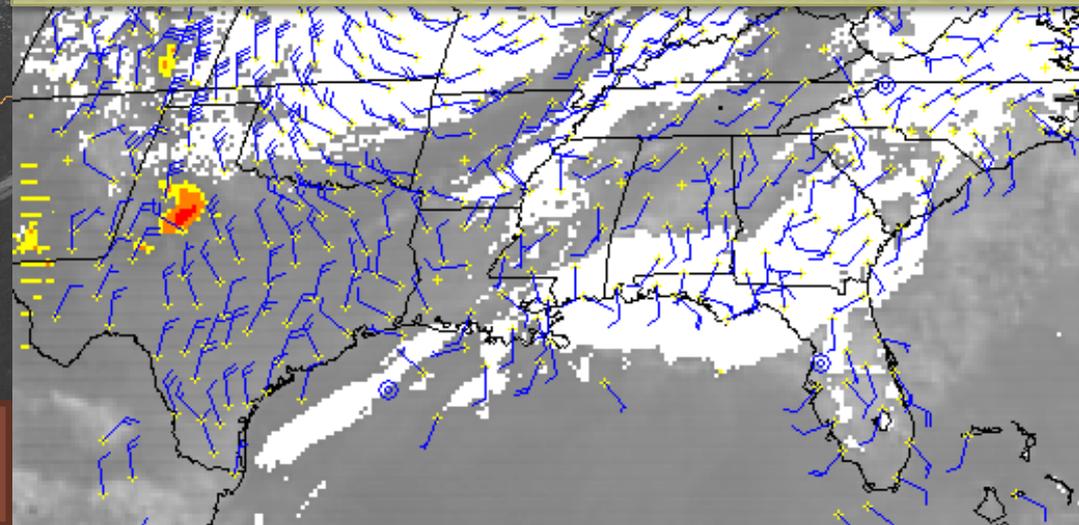
Dust imagery

Blowing dust SIGMETs



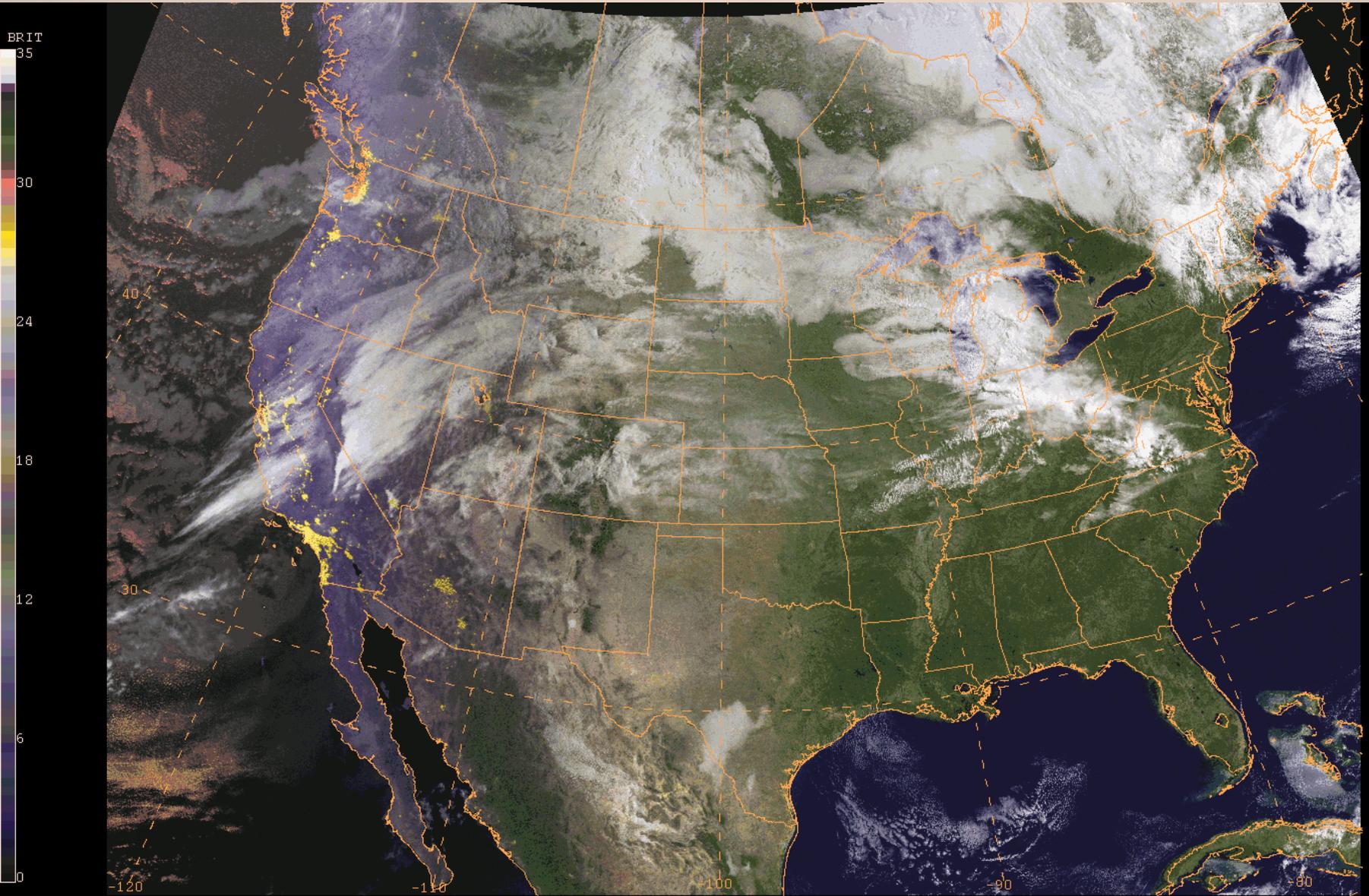
Above: April 29th, 2000 UTC True color and dust imagery (courtesy of Steve Miller, CIRA)

Below: April 29th, 1846 UTC sounder dust image



Above: April 29th, blowing dust SIGMET issued ~1700 UTC, valid thru 2106 UTC

GeoColor Imagery



Evaluation Period II



Logistics	Dates	Comments
Longer term evaluation	May 19 th – September 19 th	<ul style="list-style-type: none">- Mainly focused on convective-based products- Some ceiling and visibility too
Coordination with SPoRT's PGLM/CI demo period	May - June	<ul style="list-style-type: none">- Focusing on PGLM, anticipating the grid version...- CI is secondary focus
National Aviation Meteor. evaluation	Late July	<ul style="list-style-type: none">- Convective-based products- Spinning up new NAMs on GOES-R
Summer Experiment	August 11-15 th	<ul style="list-style-type: none">- Ceiling and visibility focused, convection secondary- Internal forecaster participation???

**Final report due in by September 19th

AWIPS-2



1. Operational satellite imagery

- getting non-SBN data flow into A2 systems
- correcting configuration issues

2. Proving Ground transition

- Following the AWC's planned desk by desk migration
 - Convective SIGMET
 - CCFP
- Convective based GOES-R products first