Steven A. Lack, Ryan L. Solomon, Amy R. Harless, Benjamin R.J. Schwedler¹, Amanda M. Terborg², Brian P. Pettegrew¹, Steven R. Silberberg, Debra D. Blondin, C. Bruce Entwistle, David R. Bright, and Timothy P. Mahony NOAA/NCEP/Aviation Weather Center, Colorado State University CIRA¹, and University of Wisconsin CIMSS²



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	ed was set up to mimic an operational environment with the
focus	on the Area Forecast desk. Desks included:
•	Ceiling and Visibility Desk
•	Icing Desk
•	Global Graphics Desk
•	GOES-R Desk
٠	Winter Aviation Weather Statement (NAM) Desk
Evalua	ited operational and experimental algorithms:
•	GTG (Global, tops and bottoms, layered displays)
•	FIP (Global, tops and bottoms, layered, extended)
•	SRFF model guidance
•	AFWA model guidance
•	Winter weather dashboard (SREF)
Findir	gs included:
•	Lack of good C&V guidance
•	Need for additional training and verification
	of experimental products
•	GOFS-R Simulated Imagery very useful for clouds
•	Need a way to modernize the FA text product
•	Need for longer range experimental guidance
201	3 Summer Experiment Overview
201 Testbe focus	3 Summer Experiment Overview ed was set up to mimic an operational environment with the on convective products, desks included:
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AWT 2013 Winter Experiment Page



AWT 2013 Summer Experiment Page

Example of the INSITE tool that was used during the 2013 Summer Experiment. The tool was useful for viewing potential air traffic impacts to the NE US from multiple model sources.



Example of a 4-day outlook product that was issued by the NAM desk at the experiment. This 4-day outlook highlighted a significant impact due to the thunderstorms over the NE US.









FIQAS





Overview of the 2013 Aviation Weather Testbed Activities: Winter and Summer Experiments









ENTLN density (left) compared with cloud-to-ground



satellite overlaid. Total





Primary Focus is on Ceiling and Visibility Improvement

- Nearly half of all fatal accidents are related to C&V
- Examine algorithm performance for warm and cold seasons • Examine multi-model ensembles and alternative forecasting
- techniques

Secondary Focus on Convection

• Examine mature experimental products Introduce new AWC concepts

Send email to Steve Lack (steven.a.lack@noaa.gov) if Interested in participating or for more information.



courtesy of Paul Suffern NTSB

Example of an experimental CCFP during the 2013 Summer



AVIATION WEATHER TESTBED (NOAA/NWS/NCEP/ ISSUED: 1502 UTC FRI 16 AUG 20 NWS AVIATION WEATHER TESTBED KANSAS CITY MO

1449 UTC FRI 16 AUG 2013

VALID TIME...1900Z -2300Z

19Z...Increasing coverage S GA / FL panhandle in unstable airmass with wave moving up front. Expect decay of remnant convective system in southcentral TX.

21Z...Continued development / increase in coverage across S GA / FL panhandle. Expect dissipation for southcentral TX system. Scattered development across AZ / desert monsoon region.

23Z...Ongoing convection across S GA / FL panhandle,possible route blockage from line segments. Continued development southwest monsoon region.

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Experiment, text annotations were allowed and an associated discussion was required.