



Aviation Weather Testbed

9th NOAA TBPG Workshop
Kansas City, MO
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Roundup Presentation

Aviation Weather Testbed

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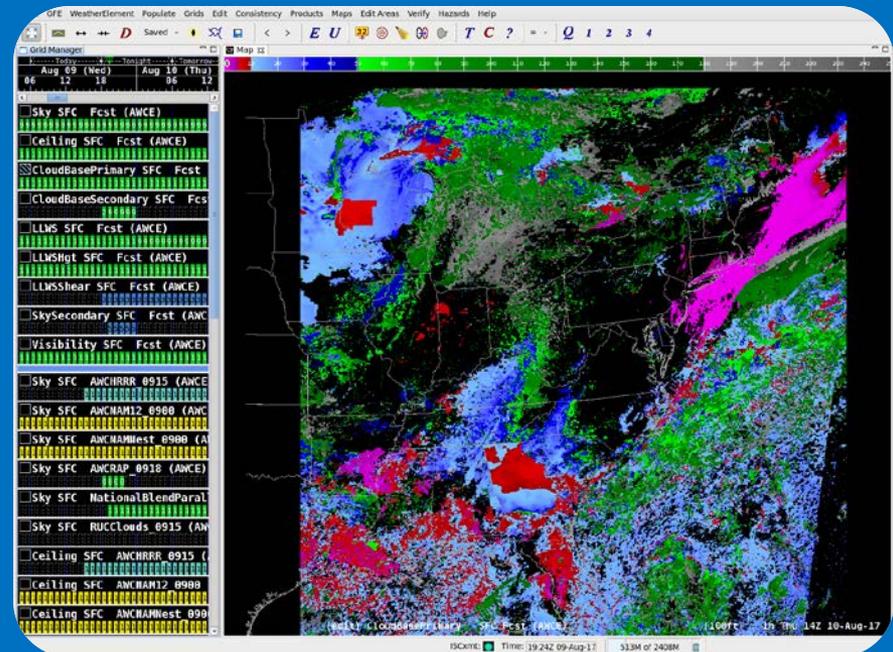
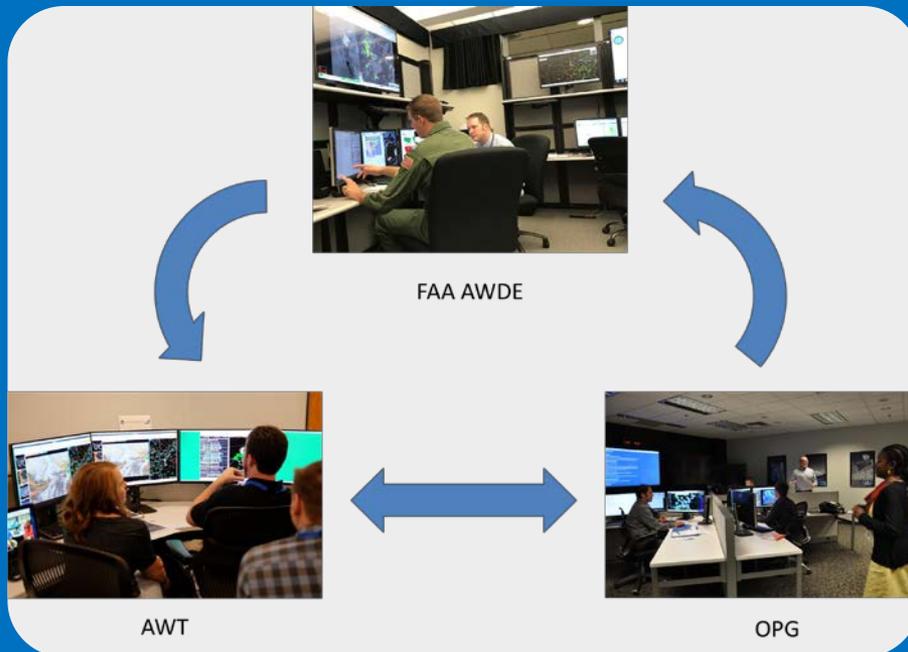


FY17 Highlights

Aviation Weather Testbed

- **FY17 Highlight**

- Cloud and visibility grid creation and exchange using AWIPS Graphical Forecast Editor (GFE) with resulting grids producing Terminal Aerodrome Forecasts (TAFs) from an automated algorithm.



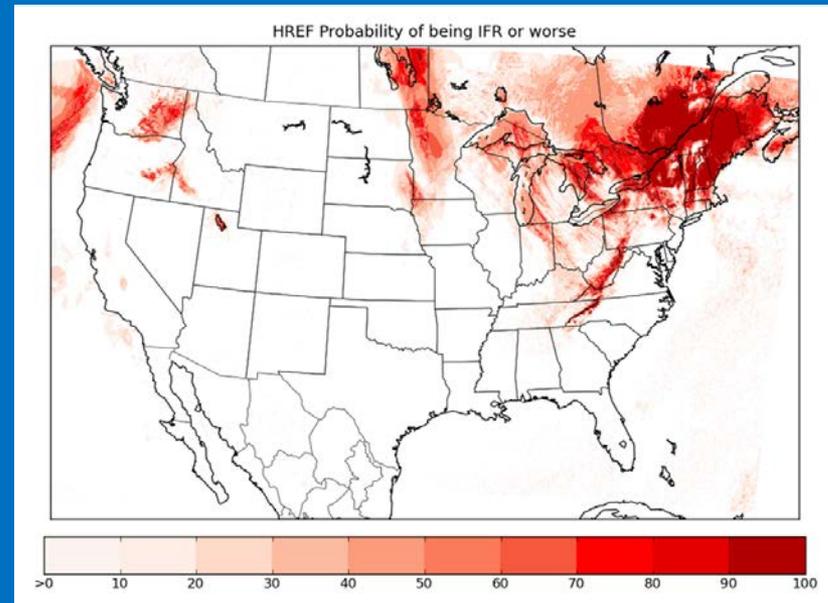
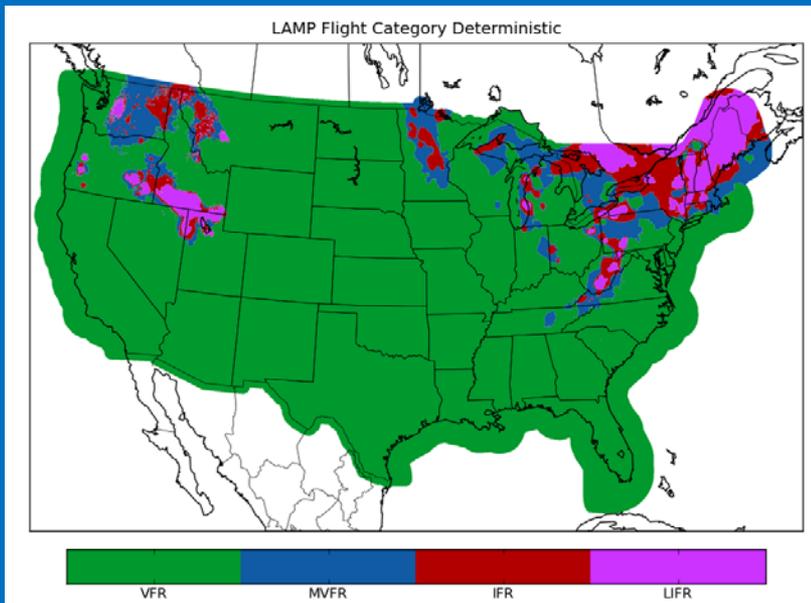


FY17 Highlights

Aviation Weather Testbed

- **FY17 Highlight**

- Probabilistic HREF cloud and visibility forecast display and interpretation for Helicopter Emergency Medical Services (HEMS) tool partners viewing remotely at Aviation Weather Demonstration Evaluation (AWDE)





FY17 Transition Metrics

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Major Tests Conducted	Transitioned to Operations (RL9)	Recommended for Transition to Operations (RL9)	Advanced To Experimental Testing (RL8)	Further Demonstration/Development (RL 5-7)	Rejected For Further Testing
Transition of the Graphical Forecast for Aviation (GFA) tool to Operations	X				
Refining Digital Aviation Services (DAS) Gridded Cloud and Visibility Forecasting Techniques with the Operations Proving Ground and the Aviation Weather Testbed (AWT)				X	
Evaluation of Helicopter Emergency Medical Services (HEMS) cloud and visibility analyses and Probabilistic cloud and visibility forecasts with the Aviation Weather Demonstration and Evaluation services group within the FAA				X	
Hazard Services demonstrations and development to support the Common Aviation Production Platform across MWOs				X	
Graphical Forecast for Aviation (GFA) Expansion Project				X	



FY17 Transition Metrics

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Experimental Automated Traffic Flow Management Convective Forecast (TCF) v2	X				
Experimental Automated TCF v3				X	
Experimental extended TCF (eTCF)			X		
INSITE Transition to AWIPS2			X		
World Area Forecast Center (WAFC) Global Probabilistic Turbulence Grids (GEFS GTG)				X	
WAFC Global Icing Grids (GFS FIP)	X				
WAFC Global Convective Grids (EPOCH)				X	



FY17 Transition Metrics

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Major Tests Conducted	Transitioned to Operations (RL9)	Recommended for Transition to Operations (RL9)	Advanced To Experimental Testing (RL8)	Further Demonstration/Development (RL 5-7)	Rejected For Further Testing
GOES-16 Transition to AWC Operations			X		
MRMS Transition to AWC Operations			X		



FY18 Highlights: Update and Plans

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- **FY18 Highlight**

- Hazard Services for Aviation capability demonstration to support NWS Evolve NAWIPS to AWIPS transition



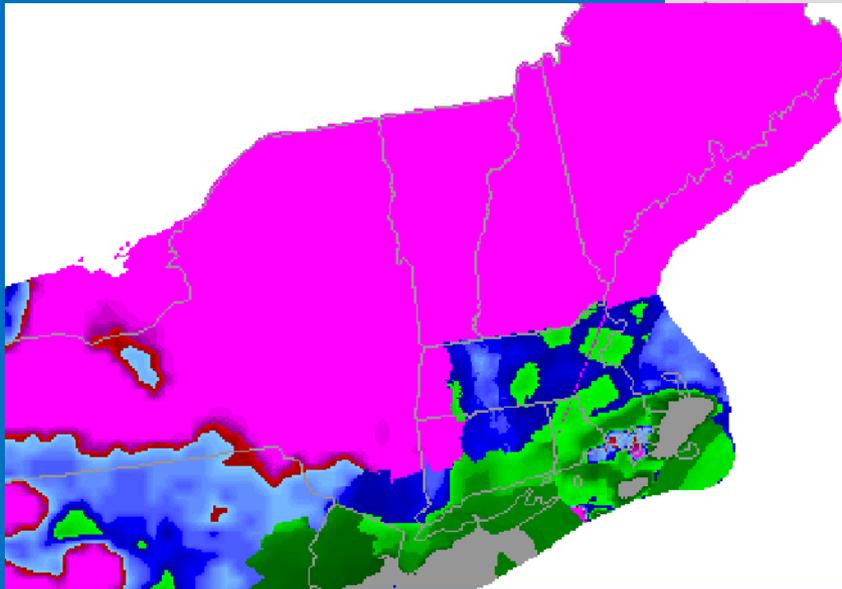
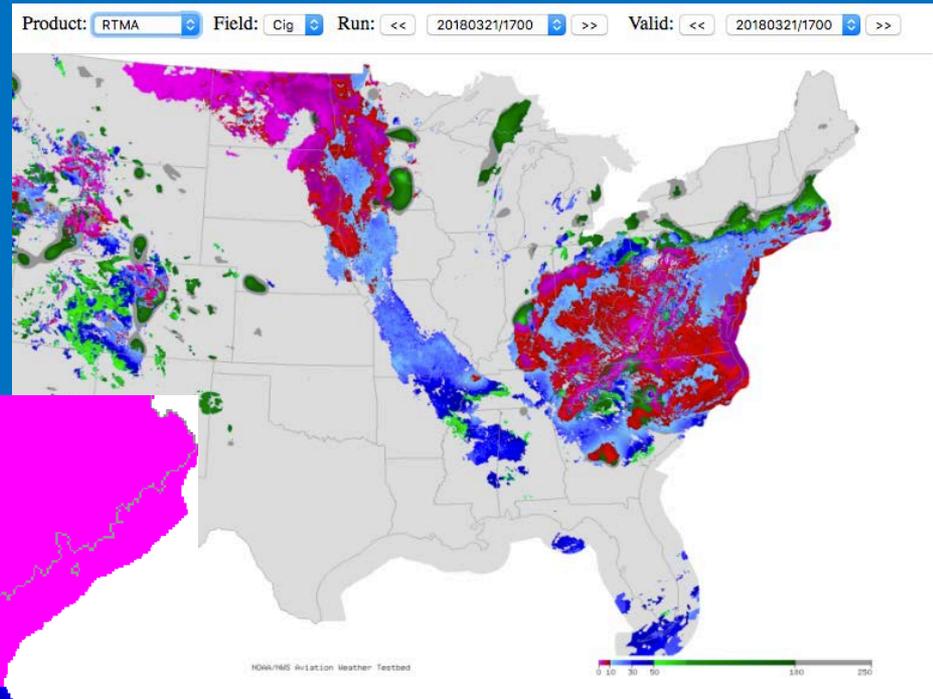


FY18 Highlights: Update and Plans

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- **FY18 Highlight**

- Collaborative Forecast Process for Digital Aviation Services winter weather experiment with Operations Proving Ground





Questions?

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