

Mid-South Wings & Weather Agenda

Friday, July 7, 2017 – Forecaster Seminar

8am Doors Open. Check-in table and WINGs Credit table open.

9am Welcome and Opening Remarks (in auditorium)

Keynote Speaker

9:10am Paul Suffern, Meteorologist, National Transportation Safety Board (NTSB)

The Delta Flight #1889 Hail Event

First Morning Session - Turbulence

Session Chair: Stephen Kearney, NWS - Center Weather Service Unit, Memphis, Tennessee

9:40am *Upper Level Severe Turbulence Downstream from Thunderstorms: How Far Away is Safe?*

Gary Ellrod, Meteorologist, WxOps, Inc.

10:00am *An Update on the Ellrod-Knox Turbulence Diagnostic*

John Knox, Ph.D, University of Georgia - Department of Geography

10:20am *The upcoming turbulence NOWcast from DTN*

Donald McCann, President, McCann Aviation Weather Research, Inc.

10:40am *IATA-WMO AMDAR Program Expansion*

Kory Gempler, Manager, FedEx Meteorology

11:00am Break

Second Morning Session - New and Upcoming Satellite Applications to Aviation

Session Chair: Gary Woodall, NWS - Weather Forecast Office, Memphis, Tennessee

11:20am *GOES-R: A Paradigm Shift in Aviation Forecasting*

Kathryn Mozer, GOES-R User Services Coordinator, NOAA - National Environmental Satellite, Data, and Information Service (NESDIS)

11:40am *Integrating Advanced Satellite Observations From GOES-16 Imagery Into Aviation Weather Operations and Forecasting*

Amanda Terborg, Meteorologist, NWS Aviation Weather Center/Cooperative Institute for Research in the Atmosphere (CIRA)

12:00pm *Use of the GOES-16 Geostationary Lightning Mapper for National Weather Service Aviation Operations*

Lauren Nash, Meteorologist, NWS - Huntsville Weather Forecast Office

12:20pm-1:20pm Lunch - **Provided by FedEx**

First Afternoon Session - Memphis/FedEx Decision Support

Session Chair: Chastity Curry, NWS - Weather Forecast Office, Memphis, Tennessee

1:20pm *The Package Has Been Delivered! Decision Support for FedEx Cargo Operations at Memphis*
Stephen Kearney, Meteorologist, NWS Memphis Center Weather Service Unit & Erik Proseus,
Meteorologist, FedEx Meteorology

1:40pm *Utilizing Aircraft Soundings to Produce the Memphis TAF During High Impact Events*
Andrew Chiuppi, Meteorologist, NWS Memphis Weather Forecast Office

2:00pm Break

Second Afternoon Session - Graphical Aviation Tools for Forecasters

Session Chair: Andrew Chiuppi, NWS - Weather Forecast Office, Memphis, Tennessee

2:15pm *Multi-Radar/Multi-Sensor Tools for Aviation*
Heather Reeves, Ph.D, Meteorologist, NOAA - National Severe Storms Laboratory (NSSL)

2:35pm *Introducing the Traffic Flow Management Convective Forecast (TCF)*
Amanda Martin, Meteorologist, NWS - Aviation Weather Center

2:55pm *Operational Considerations with the Graphical Forecasts for Aviation (GFA)*
Terry Lankford, FAA (Retired)/GA Pilot

3:15pm Break

Third Afternoon Session - Decision Support Services for Major Hubs

Session Chair: Doug Boyette, NWS - Center Weather Service Unit, Memphis, Tennessee

3:30pm *Weather Impacts to the World's Busiest Airspace*
Charles "Chip" West, Ph.D, Meteorologist, NWS - Atlanta Center Weather Service Unit

3:50pm *Weather Support for Air Traffic During Super Bowl LI*
Roland Nunez, Meteorologist, NWS - Houston Center Weather Service Unit

4:10pm *Panel Discussion/Summary with Audience Q&A:*
How to Improve Hazard Communication in the Aviation/Weather Enterprise
Panel participants from: NTSB, FedEx, NWS, General Aviation, Academia

4:50pm Day One Closing Remarks

5pm End of Forecaster Seminar

Saturday, July 8, 2017 – Aviator Seminar

8am Doors open. Check-in table and WINGs Credit table open. Light breakfast provided by FedEx.

9am Welcome and Opening Remarks (in auditorium)

Keynote Speaker

9:10am Paul Suffern, Meteorologist, National Transportation Safety Board (NTSB)
General Aviation Accidents

First Morning Session - Training and Graphical Products for Pilots

Session Chair: Erik Proseus, FedEx Meteorology, Memphis, Tennessee

9:40am *Weather Training on the Sharp End*

Shem Malmquist, Boeing 777 Pilot, Fellow of the Royal Aeronautical Society

10:00am *The Aviation Weather Center (AWC): Forecasting From Surface to FL450*

Amanda Martin, Meteorologist, NWS - Aviation Weather Center

10:20am *Interpretation and Application of the Graphical Forecasts for Aviation*

Terry Lankford, FAA(Retired)/GA Pilot

10:45am Break

Second Morning Session - FAA/Air Traffic Controller Perspectives

Session Chair: Dan Allen, Managing Director, Flight Technical & Regulatory Compliance, FedEx

11:00am *Memphis Air Traffic Control Center Overview*

Herb Tyson, Training Specialist, FAA - Memphis Center

11:20am Scott Roach, Air Traffic Controller, FAA - Memphis Center

11:40am *Overview of Quality Control / Risk Analysis*

Sean McCann, Quality Control Specialist, FAA - Memphis Center/NATCA

12:00pm Jeremiah Ornquist, Traffic Management Coordinator, FAA - Memphis TRACON

12:20pm Summary and Closing Remarks

12:30pm-1:30pm Tour of FedEx Global Operations Center (Prior Signup required) or Lunch, on your own

1:30pm Tour of FAA Memphis Air Route Traffic Control Center (Prior Signup required) or

Tour of NWS Weather Forecast Office (Prior Signup required)