

# 2015 Summer FPAW ATM-Weather Integration (AWI) Session

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AUGUST 25, 2015

1:00 – 5:00 P.M.

NTSB AUDITORIUM

# Session Goals

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- Energize ATM-Weather Integration (AWI)
  - Rekindle Don Berchoff's Summer 2014 FPAW passion
- Employ characteristics of “TED” talks
  - Tell a story, minimize techno-detail anesthesia
  - Despite our efforts, the presentations may be more like “FRED” talks (Full of Research Engineering and Development)
- Engage the audience
  - Limit the number of presentations
  - Lots of Q&A and group discussion opportunities
- Exchange information
  - Between Atmospheric Scientists, ATM DST Developers and ATM Decision-Makers

# Agenda – Part 1

Part 1	<b>ATM-Weather Integration (AWI) Status (Getting AWI Off the Starting Blocks)</b>	
1:15-1:20	<b>Agenda and Motivation</b>	<b>Matt Fronzak / MITRE CAASD</b>
1:20-1:35	<b>NSIP AWI Gap Analysis</b>	<b>Claudia McKnight / MITRE CAASD</b>
1:35-1:45	<b>Open Discussion: Why We Need to Get AWI Right, and Right Now</b>	<b>Everette Whitfield / FAA</b>
Part 2	<b>AWI Challenges and Lessons Learned (It's Not a Dash, It's a 5000M Relay – with Hurdles)</b>	
1:45-2:00	<b>AWI Trail Blazers – Challenges They Have Faced</b>	<b>Mike Robinson / AvMet Applications</b>
2:00-2:20	<b>GPSM – Lessons Learned</b>	<b>Chris Provan / Mosaic ATM</b>
2:20-2:40	<b>Open Discussion: What Do We Need to Do to Successfully Roll Out an AWI Solution?</b>	<b>Danny Sims / FAA</b>
2:40-2:55	<b>Break</b>	

# Agenda – Part 2

<b>Part 3</b>	<b>Future AWI Providers and Consumers</b> <i>(Who Are Teammates, and What's the Handoff Technique?)</i>	
<b>2:55-3:15</b>	<b>Common Support Services – Weather (CSS-Wx)</b>	<b>Wil Brown / FAA</b>
<b>3:15-3:35</b>	<b>Flow Contingency Management</b>	<b>Christine Taylor / MITRE CAASD</b>
<b>Part 4</b>	<b>Defining AWI Success</b> <i>(How Do We Know If We've Won?)</i>	
<b>3:35-3:55</b>	<b>Validating Weather Requirements for TFM Decision-Making</b>	<b>Chris Ermatinger /FAA</b>
<b>3:55-4:15</b>	<b>Weather-TFM Post-Analysis and Feedback</b>	<b>Mike Robinson</b>
<b>4:15-4:45</b>	<b>Panel and Open Discussion: Mapping Weather Forecast Needs and Opportunities</b> <ul style="list-style-type: none"><li>• <b>What Kind of Integrated Weather Support Does the ATM Operation Need</b></li><li>• <b>What Kind of Weather Support can Aviation Weather Community Deliver?</b></li></ul>	<b>Matt Fronzak Mike Robinson</b>

# It's All About Perseverance

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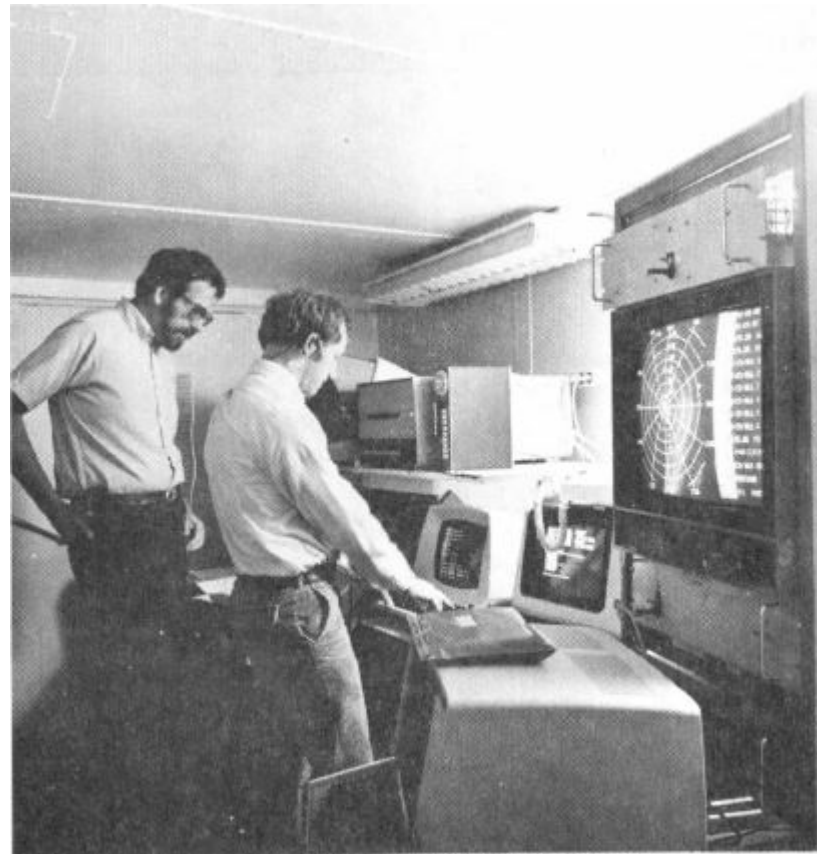
- It seems like when I first started exploring the concept of ATM-Weather Integration, I looked like...



# It's All About Perseverance

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- I'm pretty sure that when John McCarthy first began working the topic, he looked like...



# It's All About Perseverance

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- But if you think that's a long time, here's what Bruce Carmichael looked like when he first began trying to integrate weather into ATM DSTs and processes...



# The Point Is...

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- We have been at it for a long time (15+ years)!
- There are reasons why...
- We are getting (relatively) close...
  - Numerous ATM-Weather Integration-related efforts are expected to come to fruition between 2019-2025
- ...but we are at a critical juncture
  - Funding decisions for many of those efforts will be taking place in the next few years
- We need to keep pressing!



# Backup Slides

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