

Fall 2025 FPAW Meeting

October 7-9, 2025
Campbell Scientific
815 W. 1800 N., Logan, UT 84321
(435) 227-9000

Meeting Theme: Sensing and Observing the Atmosphere

Meeting Room: Building 4 Meeting Room unless otherwise indicated

Lunch: Food trucks will be available outside Building 4 during the designated lunch times

Suggested Dress Code: Business casual (ties, except for bolos, are discouraged 😊)

Meeting Agenda

Note: All Session Days and Session Topics are set; Presenters, Orders of Presentation, Times and In-Person or *Virtual* Participation are subject to change

Key:	Breaks or Lunch	Special Event
	Social Event	Tours

FPAW Steering Committee (SC) Member

Student

[r] Remote

Day 1, Tuesday, October 7, 2025		
Start	Stop	Activity
0830M	0850M	Fall 2025 FPAW Meeting Opening Remarks and Keynote Address
0830M	0845M	Campbell Scientific Welcome, Keynote Address (Jesse Heers/Campbell Scientific and Rob Campbell/CEO - Campbell Scientific)
0845M	0850M	FPAW Co-Chairs Welcome, Goals and Objectives of the Fall 2025 FPAW Meeting (Matt Fronzak /MITRE, Nathan Polderman /United Airlines and Matthias Steiner /NCAR, FPAW Co-Chairs)
0850M	1130M	Session 1a – Cleared for Takeoff: Improving Aviation Decisions through Better Weather Observations
0850M	0855M	Opening Remarks (Scott Landolt /NCAR and Elizabeth Wilson /Synoptic Data, Session Co-Leads)
0855M	0910M	What's Certification Got To Do With It? (Gordy Rother /FAA [r])
0910M	0925M	How are METARs Made? (Scott Landolt)
0925M	0940M	AWxS Shortfalls (Location, Representativeness and Measurement Errors) (Randy Bass/Bass Weather Services LLC)
0940M	0955M	Weather Observations in Alaska – Importance and Challenges (Greg Dyer/Woolpert)
0955M	1010M	Break
1010M	1025M	AWxS Modernization (Kent Jensen/Campbell Scientific)
1025M	1040M	Non-Fed AWxS – What's Different? (Andrew Kuchel/Mesotech)
1040M	1055M	On Using Lightning Information from AWxS (Heather Reeves/OU-CIWRO)
1055M	1125M	Panel Discussion – ASOS/AWOS Advantages, Challenges and the Future Moderator – Elizabeth Wilson Panelists – Randy Bass, Greg Dyer, Kent Jensen, Andrew Kuchel, Heather Reeves, Gordy Rother [r]

1125M	1225M	Lunch
1225M	1440M	Session 1b – Cleared for Takeoff: Improving Aviation Decisions through Better Weather Observations
1225M	1230M	Post-Lunch Remarks (Scott Landolt and Elizabeth Wilson)
1230M	1250M	Correlating Information from Certified and Non-Certified Weather Sources (Gary Pokodner/FAA)
1250M	1310M	An Inventory of Non-Certified Weather Sources (Elizabeth Wilson)
1310M	1330M	Testing and Evaluating ASTM F38 Weather Standards (Chris Zarzar/TruWeather)
1330M	1350M	Flipping the Observation Paradigm on its Head (<i>Ethan Krimins/Flight Profiler [r]</i>)
1350M	1405M	Break
1405M	1435M	Panel Discussion – On Using Non-Certified Weather Information in the NAS Moderator – Scott Landolt Panelists – Jesse Heers, <i>Ethan Krimins [r]</i> , Gary Pokodner, Elizabeth Wilson, Chris Zarzar
1435M	1440M	Closing Remarks (Scott Landolt and Elizabeth Wilson)
1445M	1545M	Session 2: Updates from the FAA
1445M	1515M	FAA Weather Community of Interest (Wx COI) Update to FPAW (<i>Starr McGettigan/FAA [r]</i> and Doug Murphy/FAA, Wx COI Co-Chairs)
1515M	1545M	FAA NextGen Weather Processor (NWP) and Common Support Services – Weather (CSS-Wx) Update (Doug Murphy/FAA)
1600M	TBD	FPAW Social Event
1600M	TBD	Dirty Data Mixer Jesse Heers will kick off this Campbell Scientific-sponsored event, which will include light refreshments, and will enable in-person FPAW participants to mingle with Campbell Scientific employees, Utah State University aviation technology students, faculty and administrators, and one another, in an informal setting. Please make sure to wear your Spring 2025 FPAW Meeting badges so that folks know who you are!

Day 2, Wednesday, October 8, 2025		
Start	Stop	Activity
0830M	0835M	Day 2 Welcome (Matt Fronzak /MITRE, Nathan Polderman /United Airlines and Matthias Steiner /NCAR, FPAW Co-Chairs)
0835M	1130M	Session 3a – METARs: The Good, The Bad and The Ugly
0835M	0840M	Opening Remarks (Bryan Beck/Turbulent Aerospace and Mike Splitt /Florida Tech, Session Co-Leads)
0840M	0905M	AWOS and ASOS: System Differences (<i>Joel Siegel/FAA [r]</i>)
0905M	0930M	Two Sides of the Coin: METAR Representativeness for Gustiness and Obscurements (Mike Splitt)
0930M	0955M	Airport Wind Gaps (<i>Don Eick/NTSB [r]</i> and Bryan Beck)
0955M	1020M	Break
1020M	1130M	Close the METAR Gaps: Small Workgroup Brainstorming on Challenging Airport Weather Scenarios (Bryan Beck and Mike Splitt , Session Co-Leads)
1130M	1230M	Lunch
1230M	1400M	Session 3b – METARs: The Good, The Bad and The Ugly
1230M	1235M	Post-Lunch Remarks (Bryan Beck and Mike Splitt)
1235M	1300M	Enhancing METAR Literacy with Immersive Visuals at asosweather.com (<i>Chandler Zuck/Embry-Riddle Aeronautical University</i>)
1300M	1340M	Panel Discussion – Rethinking METARs: Relevance, Utility and the Future of Aviation Weather Reporting

		<ul style="list-style-type: none"> • Smarter Skies: METAR Integration with AI and Metadata for Realtime Flight Planning, Aviating and Dispatch • Mind the Gaps: Governance, Observational Gaps and Solutions for Airport Weather <p>Moderator – Nathan Polderman Panelists – Christian Amaral, <i>Don Eick [r]</i>, <i>Doug Morris [r]</i>, <i>Joel Siegel [r]</i>, Mike Splitt, David Strand, Chandler Zuck</p>
1340M	1345M	Closing Remarks (Bryan Beck and Mike Splitt)
1345M	1400M	Break
1400M	1430M	Session 4 – Research into Remote Turbulence Detection
1400M	1430M	Safety of Flight Challenge: Reducing the Impact of Turbulence (<i>Brian Pettegrew/MITRE [r]</i>)
1430M	1530M	FPAW Special Event – Recognizing Aviation Weather Leadership
1430M	1440M	On Working with Matthias (Matt Fronzak)
1440M	1450M	From One FPAW Leader to Another (Bruce Carmichael/NCAR [ret.])
1450M	1510M	TBD
1510M	1515M	Presentation of Awards (Jesse Heers/Campbell Scientific and Matt Fronzak)
1530M	1630M	Post-Meeting Tours (sign-up encouraged but not required)
1530M	1630M	Tours of Campbell Scientific: Instrumentation Garden* (Nick Demetriades/Campbell Scientific) and Manufacturing Facility (Nathan Leishman/Campbell Scientific) *Tour participants are reminded that the Campbell Scientific Instrumentation Garden is outdoors, and urged to consider having appropriate outerwear available if needed.
1830M	????M	FPAW Dinner (sign-up encouraged but not required)
1830M	????M	Prodigy Brewing (Basement) 25 W. Center St., Logan, UT 84321 Phone: (435) 375-3313 Menu: prodigy-brewing.com

Day 3, Thursday, October 9, 2025		
Start	Stop	Activity
0830M	0835M	Day 3 Welcome (Matt Fronzak /MITRE, Nathan Polderman /United Airlines and Matthias Steiner /NCAR, FPAW Co-Chairs)
0835M	1245M	Session 5 – Flying in Complex Weather: Mountain and Winter Weather Operations
0835M	0840M	Opening Remarks (Apoorva Bajaj/Climavision and Robert Gillies/USU, Session Co-Leads)
0840M	0910M	Session 5 Keynote – Everest: High Altitude Helicopter Rescue at the Top of the World (<i>Capt. Vijay Lama and Capt. Bhogendra Kathayat, PhD/Nepal Airlines [r]</i>)
0910M	1020M	Session 5a – Flying in Complex Weather: Perspectives from the Field
0910M	0920M	An Introduction to Flying in Complex Weather (<i>Wayne Sand [r]</i> /Big Sky Weather Consulting)
0920M	1000M	Panelist Remarks/Presentations Steamboat Surprise: Misadventures in Mountain Flying (Christian Amaral /ALPA) Flying in Complex Weather: An Alaska VFR Example (Tom George/AOPA) High Altitude Airports: Weather, Performance and Operational Considerations (Bryce Moore/Campbell Scientific) On Flying a Boeing 757 in Complex Terrain and Impactful Weather (David Strand/MITRE)

1000M	1020M	Panel Discussion – Perspectives from the Field Moderators – Robert Gillies and <i>Wayne Sand [r]</i> Panelists – Christian Amaral , Tom George, Bryce Moore, David Strand
1020M	1035M	Break
1035M	1135M	Session 5b – New and Updated Winter Weather Products
1035M	1115M	Panelist Remarks/Presentations Winter Weather Dashboard (<i>Nicole Starzec/NWS AWC [r]</i>) NCAR-FAA Snow Machine (Scott Landolt /NCAR) FAA Winter Weather Research (Steve Maciejewski/FAA) Advancements in Sensor Types (Richard McKay/Campbell Scientific)
1115M	1135M	Panel Discussion – New and Updated Winter Weather Products Moderator: Randy Bass/Bass Weather Services Panel: Scott Landolt , Steve Maciejewski, Richard McKay, <i>Nicole Starzec [r]</i>
1135M	1245M	Session 5c – Weather Radar and Winter Weather
1135M	1215M	Panelist Remarks/Presentations Hybrid Weather Radar Network – RadarNext Vision (<i>Mat Grow/NOAA NWS [r]</i>) MRMS Winter Wx Products – Current and Planned R2O (<i>JJ Gourley/NSSL [r]</i>) Phased Array Radar and Winter Weather (<i>Anthony Reinhart/NOAA OAR NSSL [r]</i>) Lake Effect Snow and Gap-Filling Radar (Apoorva Bajaj)
1215M	1240M	Panel Discussion – Weather Radar and Winter Weather Moderators – Gus de Azevedo/OK State University and Heather Reeves/OU-CIWRO Panelists – Apoorva Bajaj, <i>Robert “Race” Clark/NOAA NWS [r]</i> , <i>Mat Grow [r]</i> , <i>JJ Gourley [r]</i> , <i>Anthony Reinhart [r]</i>
1240M	1245M	Closing Remarks (Apoorva Bajaj and Robert Gillies, Session Co-Leads)
1245M	1345M	Lunch
1345M	1500M	Session 6 – FPAW Organizational Update and Mini-Planning Meeting
1345M	1415M	FPAW Organizational Update (Matt Fronzak , Nathan Polderman and Matthias Steiner , Session Co-Leads) The FPAW Co-Chairs will share organizational items of interest, including the makeup of the FPAW Steering Committee (SC) effective October 1, 2025, and the possible introduction of a new category of FPAW SC member
1415M	1445M	FPAW Mini-Planning Meeting and Q&A (Matt Fronzak , Nathan Polderman and Matthias Steiner , Session Co-Leads) The FPAW Co-Chairs will provide the latest information about upcoming FPAW events, and particularly the location and dates for the Spring 2026 (can you believe it – 2026?) FPAW meeting, and be prepared to receive input from the FPAW community
1445M	1500M	Closing Remarks (Matt Fronzak , Nathan Polderman and Matthias Steiner , FPAW Co-Chairs)