

Fall 2025 FPAW Meeting

October 7-9, 2025, Campbell Scientific, 815 W 1800 N, Logan, UT 84321

Meeting Theme: Sensing and Observing the Atmosphere

Notes:

- While dates and location are set, the overall schedule (days, topics, orders and times) is still approximate
- All activities will take place in the Campbell Scientific Building 4 Meeting Room unless otherwise noted

Day 1, Tuesday, October 7, 2025		
Start	Stop	Topic
0830M	0840M	Welcome and Keynote Address (TBD/TBD)
0840M	0850M	Goals and Objectives of the Fall 2025 FPAW Meeting (Matt Fronzak/MITRE and Matthias Steiner/NCAR)
0850M	1130M	Session 1a: Cleared for Takeoff or Landing? Improving Aviation Decisions Through Better Weather Observations, Part 1 (Scott Landolt/NCAR and Elizabeth Wilson/Synoptic Data) <i>Reliable weather observations are critical to aviation safety, efficiency, and decision-making. This session explores the evolving landscape of aviation weather data sources, focusing on the use of observations from certified sources (CS) — AWOS/ASOS stations—alongside the growing presence of those from non-certified sources (NCS), including data from academic and commercial mesonets, personal weather stations, and IoT networks.</i>
1130M	1230M	Lunch
1230M	1400M	Session 1b: Cleared for Takeoff or Landing? Improving Aviation Decisions Through Better Weather Observations, Part 2 (Scott Landolt and Elizabeth Wilson)
1415M	1445M	Session 2a: FAA Wx COI Update (Starr McGettigan/FAA and Doug Murphy/FAA) <i>The leadership of the FAA Weather Community of Interest (Wx COI) will brief FPAW attendees on its activities over the last 12 months.</i>
1445M	1515M	Session 2b: NWP and CSS-Wx Status Update (Doug Murphy) <i>This session consists of a status update on the FAA's two flagship weather systems, the NextGen Weather Processor (NWP) and Common Support Services – Weather (CSS-Wx), which are in the process of being rolled out to target operational FAA facilities.</i>
1530M	1630M	Post-Meeting Tours of Campbell Scientific: (TBD/TBD) <i>TBD</i>

Day 2, Wednesday, October 8, 2025

Start	Stop	Topic
0830M	0835M	Welcome (Matt Fronzak and Matthias Steiner)
0835M	1130M	Session 3a: METARs – The Good, The Bad and The Ugly, Part 1 (Michael Splitt/FIT and Matt Tucker/Leidos) <i>METARs are the official aggregation of weather sensing and observations in the airport area. They have been a staple of weather-related aviation decision making for more than 50 years, and their precursors were being used for almost 50 years before that. This session will explore METARs from a variety of angles, ultimately leading to a conversation about whether current and future sensing and observation capabilities explored in the Day 1 main session are best suited to be expressed as METARs.</i>
1130M	1230M	Lunch
1230M	1400M	Session 3b: METARs – The Good, The Bad and The Ugly, Part 2 (Michael Splitt and Matt Tucker)
1415M	1445M	Session 4a: Advances in Turbulence Detection (Brian Pettegrew/MITRE and David Strand/MITRE) <i>This session will be used to share information about remotely sensed turbulence detection research that MITRE has been conducting.</i>
1445M	1515M	Session 4b: (TBD/TBD) <i>TBD</i>
1530M	1630M	Post-Meeting Tours of Campbell Scientific: (TBD/TBD) <i>TBD</i>
1830M	TBD	FPAW Dinner/Social Event: (TBD/TBD) <i>TBD</i>

Day 3, Thursday, October 9, 2025

Start	Stop	Topic
0800M	0900M	(closed) FPAW Steering Committee Meeting: TBD
0910M	0915M	Welcome (Matt Fronzak and Matthias Steiner)
0915M	1130M	<p>Session 5a: Flying in Complex Weather – Mountain Flying and Winter Weather, Part 1 (Apoorva Bajaj/Climavision and Robert Gillies/Utah State University)</p> <p><i>This session will explore the challenges of flying in complex weather. We will hear first-hand experiences from speakers who have supported such flights. We will look at new R&D and product development efforts to help meet their needs. We will discuss how pilots are being trained to understand and navigate such flights. There will be two areas of focus: 1) flying in mountainous terrain and 2) winter weather operations.</i></p>
1130M	1230M	Lunch
1230M	1400M	<p>Session 5b: Flying in Complex Weather – Mountain Flying and Winter Weather, Part 2 (Apoorva Bajaj and Robert Gillies)</p>
1400M	1500M	<p>Session 6: FPAW Organizational Update/Mini-Planning Meeting (Matt Fronzak and Matthias Steiner)</p> <p><i>The FPAW Co-Chairs will share organizational items of interest, provide the latest information about the next two FPAW meetings, and be prepared to receive input on a variety of topics from the FPAW community.</i></p>