

## 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 ( <b>Jesse Heers</b> and <b>Rob Campbell/Campbell Scientific</b> )
0840M	0850M	Goals and Objectives of the Fall 2025 FPAW Meeting ( <b>Matt Fronzak/MITRE</b> and <b>Matthias Steiner/NCAR</b> )
0850M	1130M	Session 1a: Cleared for Takeoff – Improving Aviation Decisions Through Better Weather Observations, Part 1 ( <b>Scott Landolt/NCAR</b> and <b>Elizabeth Wilson/Synoptic Data</b> ) <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	1430M	Session 1b: Cleared for Takeoff – Improving Aviation Decisions Through Better Weather Observations, Part 2 ( <b>Scott Landolt</b> and <b>Elizabeth Wilson</b> )
1445M	1515M	Session 2a: FAA Wx COI Update ( <b>Starr McGettigan/FAA</b> and <b>Doug Murphy/FAA</b> ) <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>
1515M	1545M	Session 2b: NWP and CSS-Wx Status Update ( <b>Doug Murphy</b> ) <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>
1600M	TBD	FPAW Social Event: Dirty Data Mixer ( <b>TBD/Campbell Scientific</b> ) <i>TBD/Campbell Scientific are sponsoring this mixer, which will feature light refreshments, and include Campbell Scientific employees, Utah State University aviation technology students, faculty and administrators, and in-person FPAW attendees.</i>

Day 2, Wednesday, October 8, 2025		
Start	Stop	Topic
0830M	0835M	Welcome ( <b>Matt Fronzak</b> and <b>Matthias Steiner</b> )
0835M	1130M	Session 3a: METARs – The Good, The Bad and The Ugly, Part 1 ( <b>Michael Splitt/FIT</b> and <b>Matt Tucker/Leidos</b> ) <i>METARs are the official aggregation of weather sensing 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 ( <b>Michael Splitt</b> and <b>Matt Tucker</b> )
1415M	1445M	Session 4: Advances in Turbulence Detection ( <b>Brian Pettegrew/MITRE</b> and <b>David Strand/MITRE</b> ) <i>This session will be used to share information about remotely sensed turbulence detection research that MITRE has been conducting.</i>
1445M	1515M	FPAW Organizational Event: Recognizing True Aviation Weather Leadership ( <b>Matt Fronzak</b> ) <i>This time will be used to honor longtime FPAW Co-Chair Matthias Steiner, a true giant in the field of aviation weather. Matthias has retired from NCAR and will be leaving his role as FPAW Co-Chair at the conclusion of this meeting.</i>
1530M	1630M	Post-Meeting Tours of Campbell Scientific: ( <b>Larry Shirk, Bryan Henrie and Joshua Campbell/Campbell Scientific</b> ) <i>In-person FPAW attendees will be provided an opportunity to explore the Campbell Scientific campus, including the sensor garden and manufacturing facilities. Sign-up sheets will be in the meeting room, but all in-person attendees will be welcome.</i>
1830M	TBD	FPAW Dinner/Social Event: Basement of <b>Prodigy Brewing, 25 W. Center St., Logan, UT, 84321, (435) 375-3313</b> <i>In-person FPAW attendees are invited to dine together in the brewing area of this casual brewpub that features burgers, wings and pretzels, plus beer and cocktails. Sign-up sheets will be in the meeting room, but all in-person attendees will be welcome.</i>

Day 3, Thursday, October 9, 2025		
Start	Stop	Topic
0830M	0835M	Welcome ( <b>Matt Fronzak</b> and <b>Matthias Steiner</b> )
0835M	1235M	<p>Session 5: Flying in Complex Weather – Mountain Flying and Winter Weather, Part 1  <b>(Apoorva Bajaj/Climavision and Robert Gillies/Utah State University)</b></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&amp;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>
1235M	1335M	Lunch
1335M	1435M	<p>Session 6: FPAW Organizational Update/Mini-Planning Meeting  <b>(Matt Fronzak and Matthias Steiner)</b></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>