

11th Annual Airborne Snow Observatories, Inc. Workshop Agenda

September 15-17, 2026



Olympic Village Event Center at Palisades Tahoe
1901 Chamonix Pl, Olympic Valley, CA 96146

All events will be held at the Olympic Village Event Center unless otherwise noted.
All times are listed in PDT.

[Virtual attendance is available via Zoom](#)

[Tuesday, September 15](#)

- 9:00am Breakfast
Served until 10am
- 9:30-9:40am **Welcome & Introductions**
- 9:40-10:00am **Workshop Intro: Tom Painter**, CEO, Airborne Snow Observatories, Inc.
- ASO in California Operations, Part I | 10:00-11:40am**
- 10:00-10:15am **Stephen Ho**, Merced Irrigation District
MIDH2O and ASO
- 10:20-10:35am **Benjamin Barker**, Placer County Water Agency
Surviving the Abominable Snoweater in the American River Watershed
- 10:40-10:55am **Annie Holt**, Friant Water Authority
Runoff and Reservoir Storage Forecasting in the Upper San Joaquin Basin
- 11:00-11:15am **Jordan Baxter**, El Dorado Irrigation District
Quantifying high elevation snow after snow course melt-out
- 11:20-11:35am **Matthew Meadows**, Kings River Water Association
Split Decisions
- 11:40am-1pm Lunch on your own

ASO in California Operations, Part II | 1:00-3:30pm

- 1:00-1:15pm** **Chad Moore**, Bureau of Reclamation
Have we aggregated too much? Proposed descriptive statistics for snowpack
- 1:20-1:35pm** **Carly Ellis**, Yuba Water Agency
Enduring Water Year 2026
- 1:40-1:55pm** **Scott Fennema**, US District Court Water Master's Office
Reclamation SNOFO... In the Truckee!
- 2:00-2:10pm** Break
- 2:10-2:25pm** **Harrison Forrester & Reggie Walters**, San Francisco Public Utilities Commission - Hetch Hetchy Water and Power
ASO-informed reservoir operations during a warm snow drought
- 2:30-2:45pm** **Andrew Schwartz**, UC Berkeley Central Sierra Snow Lab
Too Hot to Handle: Quantifying Snowpack Energy Surge During the March 2026 Heatwave
- 2:50-3:20pm** **Jacob Kollen & Manon von Kaenel**, California Department of Water Resources
B120 Operations Tool: a self-supported application enabling operations to research to operations
- 3:30-4:30pm** **Networking and Open Discussion**
Light snacks and refreshments available

Wednesday, September 16

- 9:00am** Breakfast
Served until 10am
- 9:30-9:40am** **Introductions: Jeff Deems**, CTO, Airborne Snow Observatories, Inc.

ASO in Colorado, Utah, & Wyoming Operations | 9:40-11:40am

- 9:40-9:55am** **Erik Skeie**, Colorado Water Conservation Board
To Be Determined...
- 10:00-10:15am** **Beverly Richards**, Upper Gunnison River Water Conservancy District
How we use ASO and WRF-Hydro data to manage Taylor Park Reservoir
- 10:20-10:35am** **Steve Pope**, Uncompahgre Valley Water Users Association
ASO During Extreme Drought, Observations and Lessons Learned
- 10:40-10:55am** **Eli Boardman**, Mountain Hydrology, LLC
Wyoming in Review: The Relevance of Wind Drifts and Glaciers for Water Supply Forecasting
- 11:00-11:15am** **Leland Dorchester**, Precision Water Resources Engineering
ASO and WRF-Hydro Data Integration Into the Strawberry Aqueduct Collection System (SACS) Operations Model

11:20-11:35am **Ellery McQuilkin**, Airborne Snow Observatories, Inc.
Measuring and Modeling the Decline of the Dana Glacier, Sierra Nevada

11:40am-1pm Lunch on your own

ASO in Science, Research, & Modeling, Part I | 1:00-2:20pm

1:00-1:15pm **Page Weil**, Spheros Environmental
2 Colorado Case Studies on Integration of ASO Forecasts for Water Management in the Yampa and Dolores River Basins

1:20-1:35pm **Mark Robertson**, M3 Works
Improving Timeseries Connection with M3W-iSnobal Density

1:40-1:55pm **Brent Boehlert**, Industrial Economics
Kenneth Strzepek, Industrial Economics & Massachusetts Institute of Technology
Estimating the Economic Benefits of the ASO Program

2:00-2:15pm **Brent Wilder**, Jet Propulsion Laboratory
Using EMIT to Improve Snowmelt Modeling: A Case Study of the Kings Canyon Watershed

2:20-2:30pm Break

ASO Updates | 2:30-3:30pm

2:30-2:45pm **Tom Painter**, Airborne Snow Observatories, Inc.
Vision

2:45-3:00pm **Kat Bormann**, Airborne Snow Observatories, Inc.
Accuracy & Precision

3:00-3:15pm **Dave Gochis**, Airborne Snow Observatories, Inc.
Forecasting

3:15-3:30pm **Evan Burgess & Dave Gochis**, Airborne Snow Observatories, Inc.
AVA (ASO Visualization and Analysis)

3:30pm **ASO Compute Team**, ASO Visualization and Analysis Tool Hangout

Dinner | 6:30-9:30pm

6:30pm **Cocktail Hour** at Olympic House Bar One

7:00pm **Buffet Dinner** at Olympic House Bar One
Complimentary with conference registration

Thursday, September 17

9:00am Breakfast

Served until 10am

9:30-9:40am **Introductions: Kat Bormann**, Lead Scientist, Airborne Snow Observatories, Inc.

ASO in Science, Research, & Modeling, Part II | 9:40-11:30am

9:40-9:55am **Amy Clark**, University of Northumbria

Improving modelled sub-canopy shortwave radiation in intact and burnt forests using Bayesian inversion

10:00-10:15am **Enrique Vivoni**, Arizona State University

ASO Observations in Arizona's Upper Black River and its Use for Distributed Hydrologic Modeling in Support of the Salt River Project

10:20-10:35am **Bjoern Bingham**, Desert Research Institute

Towards a Snow Temperature Survey

10:40-10:50am Break

10:50-11:05am **Bjoern Bingham & Joseph Ammatelli**, Desert Research Institute

Mapping Shallow-Snow Trigger Zones with ASO LiDAR for Avalanche Decision Support

11:10-11:25am **Graham Sexstone**, US Geological Survey

Fine resolution SnowModel applications in Colorado, Utah, and California

11:30am-1pm Lunch on your own

ASO in Science, Research, & Modeling, Part III | 1:00-2:00pm

1:00-1:15pm **Cody Moser**, Colorado Basin River Forecast Center

ASO Data in CBRFC Forecast Operations

1:20-1:35pm **Marshall Worsham**, Lawrence Berkeley National Laboratory

Snow, Stand, Scale: ASO Data Reveal Snow's Primacy in Structuring Subalpine Forests

1:40-1:55pm **Emma Tyrrell & Eric Gosnell**, University of Colorado, Boulder, Institute of Arctic & Alpine Research

Understanding the Relationship Between Atmospheric River Characteristics and the Spatial Distribution of Snow Water Equivalent in the Sierra Nevada Using ASO Data

2:00-2:15pm **Closing Remarks**