

Pacific Northwest Weather Workshop – 2018

April 27-28, 2018
Building 9 Auditorium
NOAA Western Regional Center
7600 Sand Point Way, Seattle, WA 98115

Agenda (Subject to Amendment)

Friday, 27 April

12:00-1:00 Registration

1:00-1:15 Welcome and Workshop Plans
Logan Johnson, MIC, NOAA/NWS WFO Seattle

Session I: Wildfire Meteorology

1:15-2:00 Challenges in forecasting last summer's wildfire smoke events and statewide air quality data summaries. Erik Saganic, Puget Sound Clean Air Agency and Ranil Dhammapala, WA State Dept of Ecology

2:00-2:15 Bringing Smoke Monitoring Data to the Public, Jonathan Callahan, Mazama Science

2:15-2:30 The Wine Country Fires of October 8-9, 2017, A Predictable Downslope Windstorm Event. Cliff Mass, University of Washington

2:30-3:00 Panel discussion of operational fire weather managers from around the state

3:00-3:30 Break with refreshments

3:30-3:45 Is climate change contributing to more active fire seasons across Eastern Washington and North Idaho? Jeremy Wolf, National Weather Service Forecast Office Spokane, WA

3:45-4:00 The PyroCb Wannabe of August 30, 2017 in Southern BC. Mindy Brugman and others

Session II: OLYMPEX

4:00-4:15 The Olympic Mountains Experiment (OLYMPEX): Overview and status
Lynn McMurdie and co-authors, UW

4:15-4:30 Upper-level enhancement of microphysical processes during OLYMPEX
Angela Rowe and co-authors, UW

4:30-4:45 Modification of frontal and postfrontal precipitation by the Olympic
Mountains during OLYMPEX. Joe Zagrodnik and co-authors, UW

4:45-5:00 Kelvin-Helmholtz Waves during OLYMPEX: Observations, Simulations,
and Microphysical Implications. Robert Conrick and co-authors, UW

5:00-5:15 Atmospheric River Events as observed using the ground network in
OLYMPEX Lynn McMurdie and Joe Zagrodnik, UW

5:15-5:30 Comparison of windward and leeside vertical profiles of radar reflectivity
patterns during OLYMPEX. Jamin Rader and co-authors, UW

6:00-9:00 Workshop Banquet at the Talaris Conference Center

4000 NE 41st St, Seattle, WA 98105

Banquet Talk:

6:00-7:00 PM Icebreaker – no host bar

7:00-8:00 Buffet Dinner

7:45-8:30 Presentation

Saturday, April 28

8:30-9:00 Registration and coffee

Session III: Community Interactions

9:00-9:15 Trailhead Outreach: Analyzing Winter Backcountry Users' Education and
Awareness of Avalanche Danger. Jonathan Chriest, Northwest Avalanche Center, UW
Dept. of Atmos Science

9:15-9:30 Building Relationships with State Partners and the Role of the NWS State
Liaison Office Megan L. Syner, Warning Coordination Meteorologist, National Weather
Service Great Falls

Session IV: Weather Prediction and Local Weather

9:30-9:45 Improvements to the Northwest Weather Modeling System: the Year of
High-Resolution Ensembles. Cliff Mass, University of Washington.

9:45-10:15 The Mystery Tree Fall Near Lake Quinault. Nick Weber, Joe Zagrodnk,
Robert Conrick, and Cliff Mass

10:15-10:45 Coffee Break

10:45-11:00 TBA

11:00-11:15 Next Level Community Engagement: Partnership Building to Solve Tomorrow's Problems. Logan Johnson, NWS Office Seattle

11:15-11:30 TBA

11:30-11:45 National Weather Service Heat Risk Program. Danny Mercer. NWS Seattle.

11:45-12:00 TBA

12:00-1:15 Lunch

Session V: Northwest Climate

1:15-1:30 Monthly Atmospheric Circulations in the Pacific Northwest: Patterns and Trends. Nick Bond and Karin Bumbaco, Office of the Washington State Climatologist

1:30-1:45 Stormwater, Culverts, and Flooding: Putting Climate Projections to Use. Guillaume Mauger. Climate Impacts Group, UW Seattle

Session VI: Northwest Weather and Climate

1:45-2:45 TBA

2:45-3:00 2017 Weather Cam Highlights. Greg Johnson, SkunkBay Weather.