

17th Workshop on Antarctic Meteorology and Climate (WAMC), Madison Wisconsin, Pyle Center

Thursday 4 August 2022

0900-0905 Conference Logistics: Matthew Lazzara (In person)

0905-0912 Welcome: Brad Pierce, Director, Space Science and Engineering Center,
University of Wisconsin-Madison (In person)

0913-0920 Welcome: Kevin Mirus, Dean, School of Engineering, Science, and
Mathematics, Madison Area Technical College (In person)

Session 1: Chair: Jerry Zou

0920-0940 UW-Madison AWS 2021-22 Field Season: A Return to the Ice
Dave Mikolajczyk (In person)

0940-1000 Antarctic Peninsula Automatic Weather Station Network 2021-22 - Field
Season Review
Mairi Simms (Remote)

1000-1020 2022-2023 Future AWS Plans
Lee Welhouse (In person)

1020 **Virtual Group Photo**

1020-1105 **Break/Poster Session**

1105-1120 **In person Group Photo**

1120-1300 ***Lunch on your own***

Discussion 1: Observations

1300-1400 Moderator - Observations – Matthew Lazzara

1400-1500 **Break/Poster Session**

Session 2: Chair: Bella Onsi

1500-1520 An Overview of United States Antarctic Program Meteorological Services
Art Cayette (In person)

1520-1540 Enhancing NPP Case Study Capabilities
Joey Snarski (In person)

1540-1600 Forecasts of Mesoscale Cyclogenetic Events Over the Antarctic Peninsula and its Impact in Maritime Operations
Alvaro Scardilli (In person)

1600-1620 Estimating Ceiling Height Near the South Pole Using Visible Infrared Imaging Radiometer Suite (VIIRS) Channel 4 Brightness Temperature: A Statistical Approach
Jeff Fournier (Remote)

1620-1640 Detection of Atmospheric River by Satellite Cloud Images in the Antarctic
Kazue Suzuki (Remote)

1640 **Virtual Group Photo**

Dinner on your own

Friday 5 August 2022

Session 3: Chair: Karissa Shannon

0900-0920 AMPS Update -- August 2022
Kevin Manning (Remote)

0920-0940 Antarctic Data Impact Experiments with Polar WRF During the YOPP-SH Summer Special Observing Period
David Bromwich (In person)

0940-1000 Foehn Warming over the Antarctic Peninsula Amplified by Strong Atmospheric Rivers
Penny Rowe (Remote)

1000-1020 Antarctic boundary layer and low-level jets during climate change
Guenther Heinemann (Remote)

1020-1130 **Break/Poster Session**

1130-1300 *Lunch on your own*

Discussion 2

1300-1400 Topic and moderator TBD

1400-1500 **Break/Poster Session**

Session 4: Chair: Mackenzie Dice

1500-1520 The Antarctic Meteorological Research and Data Center – A Data Repository for the Antarctic Meteorological Community
Matthew Lazzara (In person)

1520-1540 An Overview of the YOPP-SH 2022 Winter Special Observing Period
David Bromwich (In person)

1540-1600 Polar Technology Community (PTC): A Community for the Advancement of Technology in the Polar Regions
Mark Seefeldt (In person)

1600-1620 Seasonal sea ice prediction in the Southern Ocean: where are we?
Hayat Nasirova (Remote)

1620-1640 Shock waves associated with the Tonga eruption captured by Japanese AWSs on the Antarctic ice sheet
Naohiko Hirasawa (Remote)

1620-1640 Close of Workshop – Matthew Lazzara

Dinner on your own

Year of Polar Prediction in the Southern Hemisphere (YOPP-SH) Seventh Workshop, Madison Wisconsin, Pyle Center.

Saturday 6 August 2022

- 0830-0900 An Overview of the YOPP-SH 2022 Winter Special Observing Period
David Bromwich (In person)
- 0900-0930 Italian contribution to YOPP-SH
Vito Vitale (Remote)
- 0930-1000 Seasonal sea ice prediction in the Southern Ocean: where are we?
François Massonnet (Recorded)
- 1000-1030 **Break**
- 1030-1045 Observations at Syowa Station corresponding to TOPs in winter SOP of
YOPP-SH
Naohiko Hirasawa (Remote)
- 1045-1105 Extraordinary polar low developments in the southern Pacific Ocean
during the 2022 YOPP-SH winter spatial observing period
Jorge Carrasco (Remote)
- 1105-1125 The NCAR-Ohio State University Winter YOPP-SH data impact and model
evaluation study
Kevin Manning (Remote)
- 1125-1145 Simulating supercooled clouds for Antarctic atmospheric rivers with Polar
WRF
Keith M. Hines (Remote)
- 1145-1300 ***Lunch on your own***
- 1300-1400 Discussion: AMRDC as the YOPP-SH Data Repository?
- 1400-1500 Discussion: Collaborative research projects arising from YOPP-SH
Special Observing Period.
- 1500-1530 **Break**
- 1530-1630 Discussion: Future of YOPP-SH beyond 2024 based on WMO-WWRP
Plans for 2024-2027.
- 1630 Close of Workshop