

3rd Year of Polar Prediction in the Southern Hemisphere meeting (YOPP-SH#03)

Antarctic Meteorological Research Center
University of Madison-Wisconsin,
19 July 2018



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Year of Polar Prediction in the Southern Hemisphere (YOPP-SH#03)

The Pyle Center, Room
Madison, WI, USA
19 July 2018



Thursday July 19, 2018

- 0900-0910** **Welcome and Introduction**
Dr. David Bromwich, Ohio State University
Dr. Matthew Lazzara, University of Wisconsin-Madison and Madison College
- 0910-0925** Year of Polar Prediction – Few months left until the YOPP Southern Hemisphere (YOPP-SH) Special Observing Period Commences (Part II)
Kirstin Werner, Dave Bromwich, Thomas Jung, Helge Goessling, Katharina Kirchhoff
International Coordination Office for Polar Prediction, Alfred Wegener Institute
- Session: **Verification and Supersites**
Chair: David Bromwich
 Ohio State University
- 0925-0935** Verification Activities and YOPP Supersites in the Southern Hemisphere
Barbara Casati (remote)
Environment and Climate Change Canada
- 0935-0945** Discussion
- Session: **User Engagement**
Chair: Kirstin Werner
 Alfred Wegener Institute
- 0945-0955** PPP-SERA in the Southern Hemisphere
Daniela Liggett
University of Canterbury/Gateway Antarctica
- 0955-1005** Australian Bureau of Meteorology User Engagement
Scott Carpentier
Australian Bureau of Meteorology



1005-1020 Discussion

1020-1050 **Group photo, Coffee break and Posters**

Session: **Numerical Weather Prediction and Data Denial Experiments**

Chair: David Bromwich
Ohio State University

1050-1100 The AMPS YOPP-SH SOP Data Impact Study

Jordan Powers

NCAR

1100-1110 French plans for Observing System Experiments and Numerical Weather Prediction in the Southern Ocean

Matthieu Chevallier (remote)

Météo France

1110-1120 Japan Data Denial of ships observations and NWP contributions to YOPP-SH

Jun Inoue

Japan National Institute of Polar Research

1120-1130 SIPN South Update

François Massonnet (pre-recorded)

Université catholique de Louvain

1130-1200 Discussion

1200-1300 **Lunch**

Recommendations and directions will be provided by organizers

Session: **YOPP Data Portal**

Chair: David Bromwich
Ohio State University

1300-1310 The YOPP Data Portal

Siri Jodha Singh Khalsa (remote)

National Snow and Ice Data Center

1310-1320 Discussion

Session: **YOPP-SH Observations**

Chair: David Bromwich



Ohio State University

1320-1330 Shipborne observations during YOPP-SH
Isabella Rosso
Scripps Institution of Oceanography, UCSD

1330-1340 Buoy Deployments in the Southern Ocean
Ignatius Rigor (remote)
University of Washington

1340-1350 AWS Wisconsin and Antarctic stations
Matthew Lazzara
University of Wisconsin-Madison and Madison College

1350-1400 Extra Radio soundings during YOPP-SH SOP
Kirstin Werner
International Coordination Office for Polar Prediction/Alfred Wegener Institute

1400-1430 Discussion

Session: **National Contributions to Special Observing Period**
Chair: Kirstin Werner
Alfred Wegener Institute

1440-1450 Australia
Scott Carpentier
Australian Bureau of Meteorology

1450-1500 Chile
Jorge Carrasco
University of Magallanes

1500-1510 Germany
Günther Heinemann
Trier University

1510-1520 Italy
Vito Vitale
CNR-ISAC



- 1520-1530** Japan
Jun Inoue
National Institute of Polar Research
- 1530-1600** **Coffee break and posters**
- 1600-1610** Korea
Seong-Joong Kim
KOPRI
- 1610-1620** South Africa
Tania Williams
South African Weather Service (SAWS)
- 1620-1630** United Kingdom
Steve Colwell
British Antarctic Survey
- 1630-1640** Turkey
Deniz Bozkurt, on behalf of Burcu Ozsoy
Istanbul Technical University
- Session: **General Discussion**
Chair: David Bromwich
Ohio State University
- 1640-1730** Discussion
- 1730-1745** Wrap up and Closure
- End of Meeting

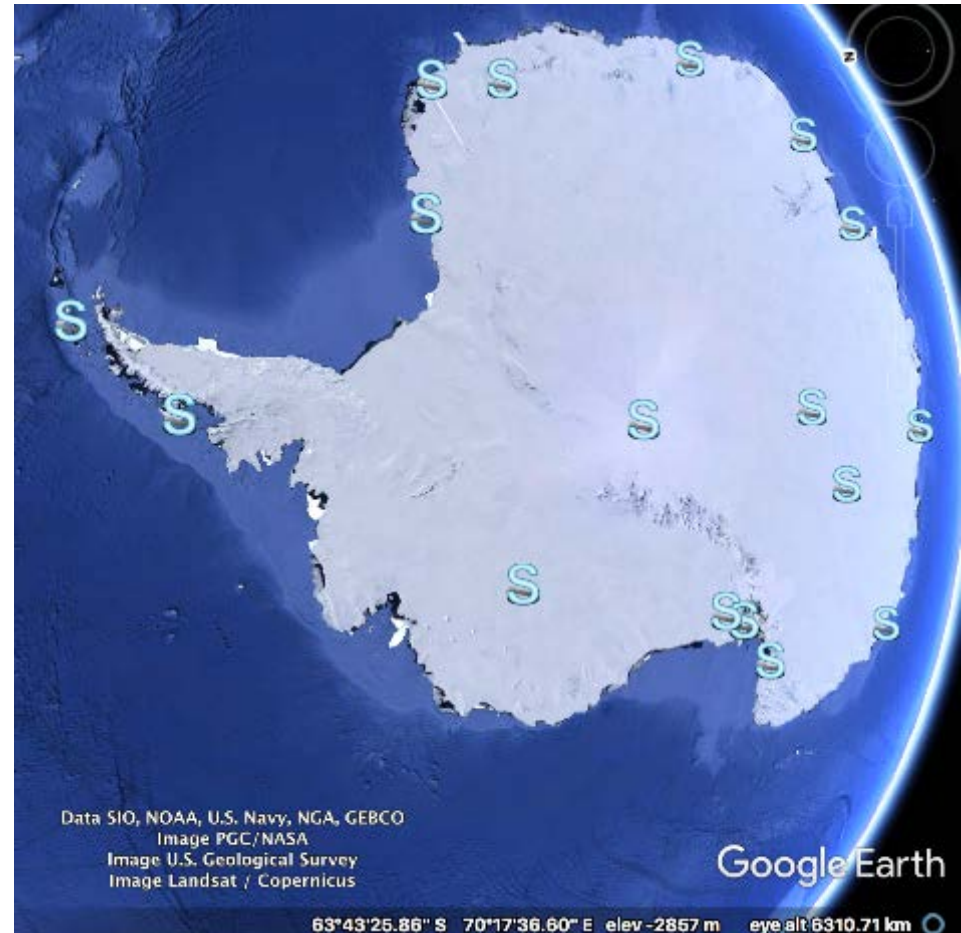
Items for Discussion

- 2nd SOP in Antarctica (winter: Matthew Lazzara/summer: Vito Vitale)
 - Some first ideas, what might be doable?
- YOPP-SH Paper after YOPP-SH SOP
 - BAMS
 - 2019
- Operational support for YOPP-SH SOP
- extra RS at Dome C (4 RS/day for limited period)?
- next YOPP-SH meeting (Charleston), June 25-27, 2019
- NWP sea ice modelling efforts (short-term forecasts)

YOPP-SH Supersites

Antarctic

Alexander Tall Tower	79.012°S, 170.723°E	55m
Casey	66.281°S, 110.528°E	30m
Davis	68.577°S, 77.967°E	~ 12m
Dome-C	75.08°S, 123.34°E	3233 m
Dumont d'Urville	66.66°S, 140.01°E	0-50 m
Halley IV	75.58°S, 26.66° W	130 m
King Sejong (King George Island)	62.22°S, 58.79° W	10m
Georg von Neumayer	70.65°S, 8.25°W	42 m
Mawson	67.603°S, 62.874°E	15m
Syowa (Showa)	69.005°S, 39.589°E	18-29 m
Jang Bogo (Terra Nova Bay)	74.624°S, 164.229°E	36m
Amundsen-Scott South Pole	90°S, 0°E	2835 m
Byrd	80.011°S, 119.438°W	1538.582 m
Rothera	67.5684°S, 68.1258° W	4m
Vostok	78.4639°S, 106.83757°E	3,489 m
McMurdo / Scott base	77.846323°S, 166.668235°E / 77.849132°S, 166.768196°E	10m / 10m
Troll	72.011662°S, 2.535138°E	1,275m



Thank you Merci



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale