

POSTERS (October 16th version)

A. Sea ice

- A01. Lu, Junshen.** Atmospheric correction for sea ice concentration retrieval using passive microwave satellite observations
- A02. Xie, Jinping,** Impact of assimilating a merged sea ice thickness from Cryosat-2 and SMOS in the Arctic reanalysis
- A03. Han, Daehyeon.** A deep learning based predictions of Arctic sea ice concentration using satellite and reanalysis data.
- A04. Horvath, Sean.** A Bayesian categorical regression model for seasonal probabilistic predictions of minimum sea ice.
- A05. Platov, Gennady.** Atmospheric circulation modes in Arctic and their roles in interannual ice extent variability. a numerical study
- A06. Gerdes, Ruediger.** Net thermodynamical sea ice growth from NAOSIM hindcasts
- A07. Gani, Sarah.** Evolution of snow and sea-ice during winter. comparisons between observations and numerical simulations document the impact of the initial salinity profile.
- A08. Provost, Christine.** Observations of summer sea-ice processes
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- A10. Anhaus, Phillip.** Spectral light transmittance of Arctic sea ice
- A11. Anhaus, Phillip.** Sensitivity of submarine melting on North East Greenland towards ocean forcing
- A12. Arthun, Marius.** The role of Atlantic heat transport in future Arctic winter sea ice variability and predictability
- A13. Ahlert, Abigail.** Arctic sea ice melt season length in the CESM Large Ensemble and CMIP models
- A14. Kimmritz, Madlen.** Assimilating sea ice in an Earth system model and impacts for climate prediction
- A15. Zampieri, Lorenzo.** Arctic Sea Ice Geoengineering Simulated with the AWI Climate Model
- A16. Ono, Jun.** Predictability of a drastic sea ice reduction in the Arctic Ocean with climate model MIROC

A17. Zhang, Wenhao. Evaluation of the high-resolution FESOM simulation in Pacific Sector of the Arctic

A18. Aylmer, Jake. Ocean dynamics and the latitude of the sea-ice edge

A19. Flocco, Daniela. The impact on Arctic sea ice of increased ice-ocean drag caused by ocean internal waves

A20. Aksenov, Yevgeny. Impacts of ocean waves on sea ice and the Polar Oceans

A21. Rynders, Stefanie. Fully coupled sea ice-ocean-wave modelling for sea ice retreat

A22. Feltham, Daniel. Model study showing the impact of floe size distribution on seasonal fragmentation and melt of Arctic sea ice

A23. Bouchat, Amélie. Scaling and statistical properties of sea-ice deformation fields from models participating in the FAMOS Sea-Ice Rheology Experiment

A24. Olason, Einar. On the statistical properties of sea ice lead fraction and heat fluxes in the Arctic

A25. Plante, Mathieu. Stability of the land-fast bridges formed in a MEB and a VP model

A26. Williams, Timothy. Progress on the neXtSIM-F forecast platform

A27. Efstathiou, Evangelia. The dominant time scales and spatial patterns of Barents Sea ice variance and retreat

B. Biogeochemistry

B01. Zhang, Yuanxin. Spatial distribution of calcium carbonate saturation state in the surface layer of the Canada Basin in the last decade

B02. Yumruktepe, Caglar. Modelling regional variability of carbon export efficiency in the North Atlantic and the Arctic

B03. Samuelson, Annette. Biogeochemical operational modeling in the Arctic using the TOPAZ forecasting system

B04. Loza, Svetlana. Modeling the Arctic colored dissolved organic matter (CDOM) and phytoplankton diversity in/with support to satellite retrievals

B05. Pavlov, Alexey. Bio-optics of an extensive under-ice phytoplankton bloom in the Atlantic sector of the Arctic Ocean

B06. Boles, Elizabeth. Initial findings from the first biogeochemical IAOOS buoy deployment in the Eurasian Arctic Basin: Two under-ice blooms and air-sea CO₂ exchange

C. Climate response functions (CRF) and freshwater fluxes

C01. Scott, Jeffery. Freshwater response of the Beaufort Gyre to a step change in the Beaufort High. model comparisons

C02. Marshall, John. The Ice-Ocean stress governor. ice-ocean stress feedback limits Beaufort Gyre spin up

C03. Regan, Heather. Investigating the Spatial and Temporal Variability of the Beaufort Gyre from Satellite Observations

C04. Proshutinsky, Andrey. Causes and mechanisms of the Beaufort Gyre freshwater changes revisited

C05. Dmitry Dukhovskoy. Influence of Greenland freshwater on salinity of the subpolar North Atlantic

C06. Kimura, Satoshi. Warm water subduction in the Canada Basin in December 2016

C07. Kelly, Stephen. Beaufort Gyre. Advective Pathways from Lagrangian back-tracking

C08. McCrary, Marie. A Lagrangian Analysis of Arctic River Freshwater Accumulation

C09. Ridenour, Natasha. Modelling High Frequency Variability in Hudson Strait Outflow

C10. Myers, Paul. Arctic Gateway Transport and Sensitivity in the ANHA NEMO Configuration

C11. Marson, Juliana. Freshwater contribution of Greenland icebergs to the North Atlantic

C12. Wang, Qiang. Impacts of Recent Sea Ice Decline on Arctic Ocean freshwater storage

C13. Laiho, J Rory. Emergence of Climate Change Signals in Arctic Freshwater Fluxes

C14. Kovacs, Tamas. The role of wind stress in the Arctic and North Atlantic freshwater covariability

C15. De Steur, Laura. Recent updates of liquid freshwater and sea ice volume export through Fram Strait

C16: Ilıcak, Mehmet: Arctic - Atlantic exchange fluxes from the GS-CRF experiments

D. Regional processes, hydrography, circulation, etc.

D01. Artana, Camila. Cooling of the West Spitsbergen Current by shelf-origin cold core lenses

D02. Golubeva, Elena. Modeling water exchange between the East Siberian Arctic Shelf and the Arctic basin

D03. Kraineva, Marina. Study of seasonal and interannual variability of thermodynamic characteristics of the East Siberian Arctic shelf water based on numerical modeling

D04. Belonenko, Tatyana. On the Vertical Velocity Component in the Mesoscale Lofoten Vortex of the Norwegian Sea

D05. Petrusevich, Withdrawn

D06. Bashmachnikov, Igor. Indices of deep ocean convection in the subpolar North Atlantic

D07. Koeberle, Cornelia. Water masses of the Barents Sea. Modification and further spreading

D08. Ypma, Stefanie. Pathways and watermass transformation of the Atlantic Water entering the Nordic Seas through Denmark Strait in two high resolution ocean models

D09. Duquette, Kevin. Winter ocean heat fluxes under sea ice leads in the Arctic Ocean

D10. Asbjørnsen, Helene. Mechanisms of ocean heat anomalies formation in the Norwegian Sea

D11. Bertosio, Cecilia. On the evolution of the upper layers in the Canadian Basin. preliminary analyses from IAOOS and ITP data and the global Mercator Ocean system

D12. Athanase, Marylou. Hydrography of the 2017 Western Eurasian Arctic Basin, in IAOOS data and in the global Mercator Ocean system

D13. Nickford, Sarah. Mechanisms Controlling the Interannual Variability and Spatial Distribution of Physical Characteristics in the Subarctic Northwest Atlantic

D14. Gillard, Laura. Ocean Modeling in proximity to Fjords of Marine Terminating Glaciers of the Greenland Ice Sheet

D15. Torsvik, Tomas. Impact of Retreating Tidewater Glaciers on Fjord Circulation. Comparing Present Day and Future Scenario Fjord Circulation in Kongsfjorden, Svalbard

D16. Lee, Younjoo. Refining Exchanges Across Fram Strait. A High-resolution Model Study

D17. Grynczel, Agata. Observations of Atlantic water variability during the AREX summer campaigns. impact on sea ice concentration

D18. Storheim, Espen. Inversion of acoustic travel times from the UNDER-ICE tomographic experiment

D19. Zhong WITHDRAWN

D20. Rudels, Bert. Connections between thermohaline staircases and double-diffusive intrusions

D21. Guo, Chuncheng. Dynamical sequences of ocean, atmosphere, and sea ice processes during an abrupt climate transition in the Marine Isotope Stage 3

D22. Caceres Garcia, Danilo A new scientific cooperation agreement to ensure Arctic governance