

POSTER SESSION #1.

Sea ice posters

- A1. Charles Brunette:** Sea ice age as a predictor for the minimum sea ice extent
- A2. Mitch Bushuk:** Summer enhancement of Arctic sea-ice volume anomalies in the September-ice zone
- A3. Helge Goessling:** A probabilistic verification score for contours demonstrated with idealized ice-edge forecasts
- A3-A. Helge Goessling:** YOPP (Year of Polar Predictions) goals and plans
- A4. Withdrawn**
- A5. David Hebert:** Assimilating high resolution VIIRS sea ice concentration into the U.S. Navy Arctic Cap Nowcast/Forecast System (ACNFS)
- A6. Alexandra Jahn:** How predictable is the timing of a summer ice-free Arctic?
- A7. Mahdi Mohammadi-Aragh:** Potential predictability of Arctic sea-ice linear kinematic features in high-resolution ensemble simulations
- A8. Erica Rosenblum:** Apparent Arctic sea ice modeling improvement caused by volcanoes
- A9. Qinghua Yang:** The challenge and benefit of using sea ice concentration satellite data products with uncertainty estimates in summer sea ice data assimilation
- A10. Yuanyuan Zhang:** Estimate the potential of sea ice lead as a predictor for the seasonal Arctic sea ice extent
- A11. Amelie Bouchat:** Do viscous-plastic sea-ice models need more shear strength?
- A12. Giulia Castellani:** Arctic Ice algae distribution as function of large scale sea ice variables
- A13. Giulia Castellani:** Sea-ice drag as function of deformation and ice cover: Effects on simulated sea ice and ocean circulation in the Arctic
- A14. Withdrawn**
- A15. Veronique Dansereau:** A Maxwell-Elasto-Brittle model for the drift and deformation of sea ice
- A16. Withdrawn**
- A17. Yukie Hata:** The forces acting on sea ice in the Canadian Arctic Archipelago and preliminary results of estimated sea ice strength
- A18. Nils Hutter:** Scaling properties of Arctic sea ice deformation in high-resolution viscous-plastic sea ice models

A19. Martin Losch: Viscous-Plastic sea-ice solutions with Elastic-Viscous-Plastic sea-ice solvers

A20a. Tammy Townsend: A Study of the Impact of Snow Cover and Melt Ponds in the Navy's Arctic Cap Nowcast/Forecast System

A20b. Mathieu Plante: Land-fast ice modeling: Ice arch formations from a linear elastic model

A21. Abigail Ahlert: Assessing melt season characterizes in the Community Earth System Model Large Ensemble

A22. Yifan Ding: Area changes and the influence factors of Terra Nova Bay Polynya from 2004 to 2015

A23. Thomas Haine: The Arctic-sunarcctic sea ice system is entering the seasonal regime

A24. Tian Li: Monitoring the tabular icebergs C28A and C28B calved from the Mertz Ice Tongue using satellite remote sensing data

A25. Xinqing Li: Definition and analysis of the landfast ice around Antarctica from 2005 to 2011 with SAR images

A26. Valentin Ludwig: Towards a merged sea ice concentration product at 1 km resolution from passive microwave and optical observations

A27. Marjan Marbouti: Deriving Sea ice information from Coastal radar data in X band and Satellite SAR imagery in C, and X bands, around Hailuoto island, during the ice formation and melting period.

A28. Morven Muilwijk: Bottom melting of Arctic Sea Ice in the Nansen Basin due to Atlantic Water influence

A29. Ingrid Onarheim: Arctic sea ice change from 1850 to present – where, when, how?

A30. Christine Provost: Observations of snow-ice formation in a thinner Arctic sea ice regime during the N-ICE2015 campaign: influence of basal ice melt and storms

A31. Rebecca Rolph: Quantifying the influence of atmospheric patterns and storms on the timing of fall freeze-up

A32. Anja Rösel: State of the sea ice during N-ICE2015

A33. Heidi Sallila: Cryosat-2 SAR altimeter sea ice thickness and freeboard retrieval validation and improvement with ocean model NEMO-LIM3 and other EO sources

A34. Cristina Schultz: High-Resolution Simulation of Sea Ice, circulation and biogeochemistry in the West Antarctic Peninsula (WAP)

A35. Withdrawn

A36. Richard Cullather: Systematic improvements in Arctic atmospheric reanalyses: Progress and prospects

A37. Edward Blanchard-Wrigglesworth: Stability of polar atmospheric teleconnections in dynamical models

A38. Melanie Fewings: Conditional Averaging of Satellite Ocean Vector Winds: An Analysis Technique with Potential for Use in the Arctic

A39. Irina Overeem: Modeling Sea Ice Decline and Impacts on Coastal Processes

A40. Dmitry Dukhovskoy: Comparison of the ocean surface vector winds from atmospheric reanalyses and scatterometer-based wind products over the North Atlantic

A41. Pål Erik Isachsen: The Arctic4 coupled ocean-ice-ecosystem model

Bio-Geo-eco Posters

B1. Pedro Duarte: Sea ice thermo-, halo-dynamics and biogeochemistry during the Norwegian Young Sea Ice cruise (N-ICE2015) in the Arctic Ocean: empirical and modeling results at small spatial and temporal scales

B2. Withdrawn

B3. Withdrawn

B4. Meibing Jin: Arctic ecosystem modeling using high resolution fully coupled RASM

B5. Rafael Goncalves-Araujo: Using fluorescent dissolved organic matter to trace Arctic surface fresh water

B6. Younjoo Lee: Modeling in Arctic primary production when models meet data

B7. Achim Randelhoff: Stratification, Turbulence and Nutrients: Present and Future of Primary Production in the Arctic Ocean

B8. Vibe Schourup-Kristensen: Effect of resolution on Arctic Net Primary Production

B9. Withdrawn

B10. Jeffrey Welker: Arctic and sub-Arctic water vapor and CO₂/CH₄ isotope cycles using in situ, real time measurements from the USCG Icebreaker Healy

B11. Anatoly Ivakin: Remote estimating methane emissions from submarine permafrost in the Arctic: methods and uncertainties

B12. Marina Frants: Coupling climate and biogeochemistry in the high-resolution Regional Arctic System Model

POSTER SESSION #2

Ocean posters

C1. Yana Bebieva: The relationship between double-diffusive intrusions and staircases in the Arctic Ocean

C2. Melanie Chanona: Spatial and temporal variability of internal waves and their effect on mixing in the Canadian Arctic

C3. Hayley Dossier: Circulation and mixing in the deep Canada Basin

C4. Elena Golubeva: A comparison of vertical mixing parametrizations on the simulation of the ice and upper ocean state in the Arctic Ocean model

C5. Igor Kozlov: Surface currents, strong baroclinic tides and internal solitary waves in the Arctic Gibraltar (Kara Gates Strait)

C6. Yusuke Kawaguchi: Mixing in mesoscale eddies in the western Arctic: internal waves and double diffusion

C7. Withdrawn

C8. Paul Myers: Shelf-Basin exchange in the Labrador Sea and Baffin Bay

C9. Eshwan Ramuda: A large eddy simulation study of heat entrainment under sea ice in the Canadian Arctic Basin

C10. Nicole Shibley: A Basin-Wide Examination of the Arctic Ocean's Double-Diffusive Staircase

C11. Hiroki Takeda: Turbulent mixing and heat balance within the surface mixed layer in the Pacific-side Arctic Ocean

C12. Jacquie-Lee Thibault: Quantifying the impact of internal tide mixing on shelf-basin exchange in a numerical model of the Arctic Ocean

C13. Mary-Louise Timmermans: Seasonal ventilation of the Canada Basin halocline

C14. Marta Trodahl: The mesoscale eddy field in the northern North Atlantic and its relationship to linear baroclinic instability

C15. Megnan Zhao: Evolution of the eddy field in the Arctic Ocean's Canada Basin, 2005-2015

C16. Marius Arthun: On Anomalous Ocean Heat Transport toward the Arctic and Associated Climate Predictability

C17. Withdrawn

C18. Richard Dewey: Real-Time Observations and Thermodynamic Sea-Ice Modelling from the Cambridge Bay Observatory

C19. Rashit Ibraev: The study of seasonal variability of circulation and of heat, salt and fresh water budget in Arctic Ocean model

C20. Ayumi Fujisaki-Manome: Reconstructing Temperature and Salinity in the Chukchi and Eastern Siberian Seas: Simulation and Evaluation of Oceanic Analyses

C21. Withdrawn

C22. Stephen Kelly: Oil Spills in the Arctic: Modelling Circulation Pathways in the Arctic Ocean

C23. Erwing Lambert: Thermohaline Circulation with Three Stable Regimes of Flow

C24. Camille Lique: Insight on the Arctic halocline formation from a Lagrangian model analysis

C25. Maria Luneva: Effects of tides on Riverine and Glacial freshwater transport in the Arctic Ocean

C26. Barry Ma: The variations and trends of vertical Ekman transport in the Arctic region

C27. Gennady Platov: The study of the Arctic Ocean sensitivity to variations of solar radiation

C28. Bert Rudels: Estimates of volume, heat and freshwater budgets for the Arctic Mediterranean and North Atlantic and their relation to the main physical processes: Insight from the EU-NACLIM observations

C29. Qiang Wang: Arctic Ocean and North Atlantic in a model with CORE forcing: An extension of the CORE-II exercise

C30. Melissa Zweng: Arctic data in the World Ocean Database

C31. Helen Johnson: Change in Arctic Ocean freshwater storage in response to a step change in wind forcing

C32. Tamas Kovacs: Drivers of freshwater distribution in the Arctic and Atlantic Oceans

C33. Rory Laiho: Internal Variability in the Arctic Freshwater Budget

C34. Craig Lee: Upper Ocean Evolution across the Beaufort Sea Marginal Ice Zone

C35. Gianluca Meneghello: Equilibration of the Beaufort Gyre by baroclinic eddies

C36. Laura Niederdrenk: Arctic freshwater variability in the 21st century in a regionally coupled climate model

- C37. Andrey Proshutinsky:** The Beaufort Gyre freshwater content (FWC) reaches absolute maximum in 2015
- C38. Takamasa Tsubouchi:** Observed seasonal to inter-annual variation of the Arctic Ocean heat and fresh water transports
- C39. Claudia Wekerle:** Recirculation of Atlantic Water in Fram Strait: A high resolution modeling study
- C40. Yevgeny Aksenov:** Tracking North Atlantic water in eddy-resolving permitting simulations
- C41. Agnieszka Beszczynska-Moller:** Splitting of Atlantic water transport towards the Arctic Ocean into the Fram Strait and Barents Sea Branches - mechanisms and consequences
- C42. Dina Iakshina:** Study of the Atlantic Water Influence on the Arctic Sea Ice Cover State
- C43. Dolores Perez-Hernandez:** The Atlantic Water boundary current north of Svalbard
- C44. Tom Armitage:** Arctic Ocean geostrophic circulation and eddy kinetic energy 2003-2014
- C45. Mattia Almansi:** Variability in Circulation and Hydrographic Structures in the Denmark Strait
- C46. Renske Gelderloos:** Seasonal variability in pathways and along-path transformation of warm water masses towards Kangerdlugssuaq Fjord
- C47. Markus Janout:** On river water, Atlantic water upwelling and dense water formation in Vilkitsky Trough in the eastern Arctic from moorings and high-resolution CTD measurements
- C48. Zoe Koenig:** Winter ocean-ice interactions under thin sea-ice observed by IAOOS platforms during N-ICE2015: salty surface mixed layer and active basal melt
- C49. Withdrawn**
- C50. Juliana Marson:** Cascading off the West Greenland Shelf: A numerical perspective
- C51. Sangmanee Chalermrat:** Trends in the along-shelf flow over Southeast and Southwest Greenland continental shelves
- C52. An Nguyen:** Investigation of the Dominant Processes controlling Volume, Heat, and Freshwater Transports through the Bering Strait
- C53. Withdrawn**
- C54. Withdrawn**
- C55. Vladislav Petrushevich:** Fresh water fluxes under landfast sea ice in Southeast Hudson Bay

C56. Natasha Ridenour: Modelling freshwater dynamics and pathways in the Hudson Bay Complex using the ANHA4 configuration

C57. Stefanie Rynders: Modelling dynamics of The Marginal Ice Zone

C58. Withdrawn

C59. Mike Steele: The Phenology of Arctic Ocean Surface Warming

C60. Arild Sundfjord: The slope current north of Svalbard; seasonality and forcing of Atlantic Water heat flux to the ice-ocean boundary layer

C61. Daniel Torres: Vertical Structure and Dynamics of the Beaufort Gyre Subsurface Layer from ADCP Observations

C62. Eiji Watanabe: Winter ocean heat transport driven by subsurface shelf-break jet north of Chukchi Sea

C63. James Carton: Variability of the Arctic ocean/sea ice system in SODA3

C64. Ji Lei: Evaluation of hindcasts simulations with the CONCEPTS regional ocean and sea-ice model covering three oceans around Canada