

Christopher J. Cox Presentations

Oral Presentations:

2020

- **Cox, C.**, Observing the surface energy budget over sea ice at MOSAiC, IARPC Air-Ice-Ocean Joint Collaboration Team Meeting, online, Oct. 2020, <https://www.iarpcollaborations.org/members/documents/19870>
- **Cox, C.**, Update from the BSRN Cold Climates Issues Working Group, BSRN Interim Virtual Workshop 2020, online, Oct. 2020.
- Neff, W., **C. Cox**, and M. Shups, The boundary layer and its response to external forcing at Summit Station, Greenland, EGU General Assembly 2020, online, May 2020, <https://doi.org/10.5194/egusphere-egu2020-2005>.

2019

- **Cox, C.J.**, MOSAiC Ice Thickness, presentation to the IARPC Sea Ice Collaboration Team, Boulder, online, November, 2019.
- **Cox, C.J.** and T. Uttal, Merged Observatory Data Files (MODFs), ARM/ASR PI Meeting, Bethesda, Maryland, June 2019.
- Intrieri, J.M., A. Solomon, G. de Boer, A. Capatondi, **C.J. Cox**, M. Hughes, and P.O.G. Persson, Experimental subseasonal forecasting of the coupled Arctic system, 15th Conference on Polar Meteorology and Oceanography, Boulder, Colorado, May 2019.
- **Cox, C.J.**, A. Solomon, and J. Intrieri, Forecasting sea ice variability during the freeze-up season in the New Arctic, 15th Conference on Polar Meteorology and Oceanography, Boulder, Colorado, May 2019.
- Maahn, M., G. de Boer, **C.J. Cox**, T. Goren, M. Shupe, and C.R. Williams, Investigating the impact of local anthropogenic pollution on cloud properties at the North Slope of Alaska from different perspectives, 15th Conference on Polar Meteorology and Oceanography, Boulder, Colorado, May 2019.
- **Cox, C.J.**, R.S. Stone, D. Douglas, D. Stanitski, and M.R. Gallagher, The Aleutian Low – Beaufort Sea Anticyclone: A climate index for predicting the timing of springtime melt in the Pacific Arctic cryosphere, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May 2019.
- **Cox, C.J.**, R.S. Stone, D. Douglas, D. Stanitski, and M.R. Gallagher, The Aleutian Low – Beaufort Sea Anticyclone: A climate index correlated with the timing of springtime melt in the Pacific Arctic cryosphere, NOAA Arctic Research Program (ARP) Principals meeting, Seattle, Washington, May 2019.
- Neff, W.D., M.D. Shupe, and **C.J. Cox**, An extreme event linking and atmospheric river melting Greenland and Hurricane Irene in 2011, European Geophysical Union (EGU) General Assembly, Vienna, Austria, April 2019.
- **Cox, C.J.**, S. Morris, T. Uttal, and C. Long, The De-Icing Comparison Experiment (D-ICE): A well-characterized verification data set of Arctic broadband downwelling longwave and shortwave fluxes for YOPP, Year of Polar Prediction (YOPP) Science Workshop, Helsinki, Finland, January 2019.

2018

- Shupe, M.D. (invited), P.O.G Persson, M.K.H. Tjernstrom, A. Solomon, and **C.J. Cox**, Observed cloud-radiation processes and their impact on the Arctic surface, American Geophysical Union (AGU) Fall Meeting, Washington, DC, December 2018.
- Shupe, M.D. (invited keynote), O. Persson, M. Tjernstrom, A. Solomon, and **C. Cox**, Observed cloud-radiation processes and their impact on the Arctic surface, (AC)3 Conference, Bremerhaven, Germany, November 2018.
- **Cox, C.J.**, R. Stone, D. Douglas, D. Stanitski, and M. Gallagher, The Aleutian Low – Beaufort Sea Anticyclone: A new climate index for seasonal melt of the Pacific Arctic cryosphere, NOAA’s 43rd Climate Diagnostics and Prediction Workshop, Santa Barbara, California, October 2018.
- Maahn, M., C. Acquistapace, G. de Boer, **C. Cox**, G. Feingold, T. Marke, M. Shupe, C. Wiedinmyer, and C.R. Williams, Investigating the impact of anthropogenic pollution on cloud properties derived from ground based remote sensors at the North Slope of Alaska, American Meteorological Society (AMS) 15th Conference on Cloud Physics, Vancouver, British Columbia, July 2018.
- **Cox, C.J.**, S. Morris, T. Uttal, and C. Long, The D-ICE Campaign for Ice Mitigation Study, BSRN Workshop and Science Meeting, Boulder, Colorado, July 2018.
- Solomon, A., A. Capatondi, J. Intrieri, O. Persson and **C. Cox**, Improving forecasts of air-ice-ocean interactions in the MIZ during autumn 2015, POLAR2018, Davos Switzerland, June 2018.
- Uttal, T., A. Makshtas, A. Grachev, T. Laurila, **C. Cox**, S. Morris, V. Kustov, E. Asmi, and J. Backman, Full system characterization of a summer to winter transition, POLAR2018, Davos Switzerland, June 2018.
- Shupe, M., N. Miller, **C. Cox**, and O. Persson, Atmosphere-surface energy budget process relationships over central Greenland, POLAR2018, Davos Switzerland, June 2018.
- Hayes, P.L., S. Tremblay, J.C. Picard, J.O. Bachelder, R. Chang, W.R. Leatitch, S. Sharma, F. Kolonjari, E. Lutsch, K. Strong, P. Fogal and C.J. Cox, Characterization of aerosol size distributions and optical properties in the Canadian High Arctic, CMOS 2018, Halifax, Nova Scotia, June 2018.
- Morris, S., **C.J. Cox**, C. Long, and The D-ICE Team, Winter 2017-2018 results from the De-Icing Comparison Experiment (D-ICE) at NOAA’s Barrow Atmospheric Baseline Observatory, Utqiagvik, Alaska, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May 2018.
- **Cox, C.J.**, R.S. Stone, D.C. Douglas, and D. Stanitski, The role of atmospheric circulation in the seasonal melt of snow and sea ice in the Pacific Arctic, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May 2018.
- Intrieri, J., A. Solomon, **C. Cox**, M. Hughes, O. Persson, A. Capatondi and G. de Boer, Experimental, coupled ice-ocean-atmosphere modeling & forecasting – NOAA ESRL PSD, NWS Alaska Region SOO/DOH Meeting, March 2018.
- **Cox, C.J.**, S.M. Morris, C.N. Long and the D-ICE Team, De-Icing Comparison Experiment (D-ICE), ARM/ASR PI Meeting, Tysons, Virginia. March 2018.

- **Cox, C.J.**, Perspectives from NSA and OLI during the 2017 spring transition season, ARM/ASR PI Meeting, Tysons, Virginia. March 2018.
- Maahn, M., C. Acquistapace, G. de Boer, **C.J. Cox**, G. Feingold, T. Marke, M.D. Shupe, C. Wiedinmyer and C.R. Williams, Comparing cloud properties from Oliktok and Barrow (Utqiagvik) and understanding spatial variability of clouds cover at the sites, ARM/ASR PI Meeting, Tysons, Virginia. March 2018.
- **Cox, C.J.**, De-icing the icing problem: Improving forecasts of aircraft icing hazards in northern Alaska, NOAA Boulder Shark Tank, February 2018.

2017

- Maahn, M., C. Acquistapace, G. de Boer, **C. Cox**, G. Feingold, T. Marke, and C.R. Williams, Quantifying the impact of anthropogenic pollution on cloud properties derived from ground based remote sensors at the North Slope of Alaska, American Geophysical Union (AGU) Fall Meeting 2017, New Orleans, Louisiana. December 2017.
- **Cox, C.J.**, The De-Icing Comparison Experiment (D-ICE), presentation to the IARPC Atmospheric Collaboration Team, Boulder, online, December, 2017.
- Shupe, M., N. Miller, **C.J. Cox**, and O. Persson, Surface energy budget process relationships as a means for evaluating model performance in central Greenland, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May, 2017.
- **Cox, C.J.**, R.S. Stone, D.C. Douglas, D. Stanitski, G. Divoky, G.S. Dutton, C. Sweeney, J.C. George and D. Longenecker, Drivers and environmental responses to the changing annual snow cycle of northern Alaska, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May, 2017.
- Stone, R.S., **C.J. Cox**, and D. Stanitski, Arctic Heat Waves: Towards quantifying the role of atmospheric dynamics, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May, 2017.
- **Cox, C.J.**, C. Long, T. Uttal, S. Starkweather, S. Crepinsek, M. Maturilli, N. Miller, E. Konopleva-Akish, V. Kustov, K. Steffen, G. de Boer and R. Stone, Observations of the surface radiation budget and cloud radiative forcing from pan-Arctic land stations, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2017.
- **Cox, C.J.**, M. Hughes, A. Grachev, A. Capatondi, and G. de Boer, Evaluating physical processes during the freeze-up season using a coupled sea ice-ocean-atmosphere forecast model, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2017.
- Grachev, A., O. Persson, T. Uttal, E. Konopleva-Akish, S. Crepinsek, **C.J. Cox**, C. Fairall, A. Makshtas, and I. Repina, Surface energy budget and turbulent fluxes at Arctic terrestrial sites, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2017.
- Spackman, R. and coauthors (inc. **C. Cox**), The El Nino Rapid Response field campaign: Implementation overview, 97th American Meteorological Society (AMS) Annual Meeting, Seattle, Washington. January 2017.

2016

- Persson, P.O.G., B. Blomquist, A.A. Grachev, P.S. Guest, S.E. Stammerjohn, A. Solomon, **C.J. Cox**, A. Capotondi, C.W. Fairall, and J.M. Intrieri, Spatial and temporal variability of surface energy fluxes during autumn ice advance: Observations and model validation, American Geophysical Union (AGU) Fall Meeting 2016, San Francisco, California. December 2016.
- **Cox, C.J.**, R.S. Stone, D. Stanitski, D. Douglas, G. Divoky, G. Dutton, and C. Sweeney, Anomalous spring observations at Barrow and the relationship of early snowmelt to environment factors, presentation to the IARPC Atmospheric Collaboration Team, Boulder, online, September, 2016.
- **Cox, C.J.**, C. N. Long, T. Uttal, S. Starkweather, S. Crepinsek, M. Maturilli, A. McComiskey, N.B. Miller, E. Konopleva-Akish, V. Kustov, M.D. Shupe, K. Steffen, D. Stanitski, R. Stone, and V.P. Walden, Cloud radiative forcing from pan-Arctic BSRN stations: Applications for climate monitoring and sea ice forecasting, BSRN Workshop and Science Meeting, Canberra, Australia, April 2016.
- Miller, N.B., M.D. Shupe, J. Lenaerts, J. Kay, R. Bennartz, D. Noone, K. Steffen, and **C. Cox**, Surface energy budget at Summit, Greenland, CESM Workshop 2016, Breckenridge, Colorado, June 2016.
- **Cox, C.J.**, V. Walden, P. Rowe, and M.D. Shupe, Humidity trends imply increased sensitivity to clouds in a warming Arctic, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2016.
- Grachev, A., T. Uttal, O. Persson, E. Konopleva-Akish, S. Crepinsek, **C. Cox**, C. Fairall, A. Makshtas, and I. Repina, Annual variations of surface fluxes and meteorological variables at Arctic terrestrial sites, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2016.
- Vihma, T., T. Uttal, V. Walden, **C. Cox**, S. Starkweather, A. Makshtas, and J. Key, IASOA circumpolar observations in service for research of atmospheric transports into and out of the Arctic, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2016.

2015

- **Cox, C.J.** and coauthors, Surface radiation budget and cloud radiative forcing from pan-Arctic Baseline Surface Radiation Network (BSRN) stations, American Geophysical Union (AGU) Fall Meeting 2015, San Francisco, California. December 2015.
- Starkweather, S., **C. Cox**, C. Long, T. Haiden, A. McComiskey, L. Schmeisser, and T. Uttal, Collaborative networking for Arctic Atmospheric Observing Science – The IASOA model, Arctic Observing Open Science Meeting (AOOSM), Seattle, WA, November 2015.
- Intrieri, J., A. Solomon, O. Persson, **C.J. Cox**, M. Hughes, B. Blomquist, and A. Grachev, Understanding Arctic processes through delivery of short-term sea ice forecasts using the RASM-ESRL model and validation using SeaState observations, Arctic Observing Open Science Meeting (AOOSM), Seattle, WA, November 2015.
- Uttal, T., A. Grachev, **C.J. Cox**, S. Crepinsek, E. Konopleva, and O. Persson, Observationally closing the Arctic atmosphere-surface energy budget, Arctic Observing Open Science Meeting (AOOSM), Seattle, WA, November 2015.
- Long, C.N. and **C.J. Cox**, Surface radiation budget and cloud radiative forcing from pan-Arctic Baseline Surface Radiation Network (BSRN) stations, Arctic Observing Open Science Meeting (AOOSM), Seattle, WA, November 2015.

- Miller, N., M. Shupe, **C. Cox**, and D. Noone, The surface energy budget and influence of clouds at Summit, Greenland, Arctic Observing Open Science Meeting (AOOSM), Seattle, WA, November 2015.
- Miller, N., M. Shupe, **C. Cox**, and D. Noone, Cloud influence on the surface energy budget of the Greenland Ice Sheet, Canadian Meteorological and Oceanographic Society (CMOS) 49th Congress & American Meteorological Society (AMS) 13th Conference on Polar Meteorology and Oceanography. Whistler, British Columbia. May 2015.
- **Cox, C.J.**, S. Starkweather, T. Uttal, J. Intrieri, M. Maturilli, V. Kustov, E. Konopleva, S. Crepinsek, C. Long, and M.D. Shupe, Using pan-Arctic, springtime, surface radiation observations to quantify atmospheric preconditioning processes that impact the sea ice melt season, European Geosciences Union (EGU) annual meeting, Vienna, Austria. April 2015.
- **Cox, C.J.**, S. Starkweather, T. Uttal, J. Intrieri, M. Maturilli, V. Kustov, E. Konopleva, S. Crepinsek, and C. Long, Using pan-Arctic, springtime, surface radiation observations to quantify atmospheric preconditioning processes that impact the sea ice melt season, NOAA-ESRL Physical Sciences Division (PSD) Flash Seminar. Boulder, Colorado. March 2015.

2014

- Rowe, P., **C.J. Cox**, and V.P. Walden, Dependence of retrievals of cloud and atmospheric properties on the spectral resolution of infrared measurements, American Geophysical Union (AGU) Fall Meeting 2014, San Francisco, California. December 2014.
- Noone, D., A. Bailey, M. Berkelhammer, **C.J. Cox**, and K. Steffen, A reassessment of Greenland climate history using a proxy system model for accumulation of isotope record in snow, American Geophysical Union (AGU) Fall Meeting 2014, San Francisco, California. December 2014.
- Noone, D. (invited), A. Bailey, M. Berkelhammer, **C.J. Cox**, and A. Kaushik, Application of stable isotope tracers to determine latent heat exchange in stable condensing boundary layers, American Geophysical Union (AGU) Fall Meeting 2014, San Francisco, California. December 2014.
- Berkelhammer, M., D. Noone, H.C. Steen-Larsen, M. O'Neill, A. Bailey, **C.J. Cox**, and D. Schneider, Boundary layer stability acts to ballast the mass of the Greenland Ice Sheet, American Geophysical Union (AGU) Fall Meeting 2014, San Francisco, California. December 2014.
- **Cox, C.**, V. Walden, G.P. Compo, P.M. Rowe, and M.D. Shupe, Downwelling longwave flux over Summit, Greenland, 2010-2012: Analysis of surface observations and evaluation of ERA-Interim using wavelets, American Meteorological Society (AMS), 14th Conference on Atmospheric Radiation. Boston, Massachusetts. July 2014. (presented by V. Walden.)
- Bennartz, R., D.D. Turner, M. Shupe, V. Walden, B. Castellani, **C. Cox**, N. Miller, R.R. Neely III, E. Olson, and C. Pettersen, The ICECAPS experiment - An overview of the Integrated Characterization of Energy, Clouds, Atmospheric state, and Precipitation at Summit, American Meteorological Society (AMS), 14th Conference on Cloud Physics. Boston, Massachusetts, July 2014.
- Kay, J., **C.J. Cox**, and M. Vizcaino, Near-future changes in Greenland climate in the CESM Large Ensemble, 19th Annual CESM Workshop, Breckenridge, Colorado, June 2014.

2013

- Miller, B.G., **C.J. Cox**, J. Hougham, V.P. Walden, K. Eitel, and A. Albano, Adventure Learning @ Greenland, American Geophysical Union (AGU) Fall Meeting, San Francisco, California. Dec. 2013.
- **Cox, C.J.**, Researching clouds using remotely sensed measurements from Arctic Observatories, Barrow Arctic Science Consortium (BASC) Saturday Schoolyard seminar, Barrow Alaska, Oct. 2013.
- Bennartz, R., M.D. Shupe, D.D. Turner, V.P. Walden, K. Steffen, C.J. Cox, M. Kulie, N. Miller and C. Pettersen, The intricate role of clouds in the Arctic surface energy budget: a look at the recent Greenland surface melting event. Davos Atmosphere and Cryosphere Assembly 2013 (DACA-13), Davos, Switzerland. July 2013.
- **Cox, C.J.**, V.P. Walden, M.D. Shupe, G.P. Compo, G. de Boer and K. Steffen, The evaluation of Arctic reanalyses and climate models using downwelling longwave fluxes at Summit Station, Greenland, Davos Atmosphere and Cryosphere Assembly 2013 (DACA-13). Davos, Switzerland. July 2013.
- **Cox, C.J.**, Clouds across the Arctic: A spatial perspective uniting surface observations of downwelling infrared radiation, reanalyses and education. Dissertation defense, University of Idaho, Moscow, Idaho. June 2013.
- **Cox, C.J.**, V.P. Walden, M.D. Shupe, G.P. Compo, K. Steffen, and G. de Boer, The evaluation of Arctic reanalyses and climate models using downwelling longwave fluxes at Summit Station, Greenland, American Meteorological Society (AMS), 12th Conference on Polar Meteorology and Oceanography. Seattle, Washington. April 2013.
- Miller, N., V.P. Walden, D.D. Turner, M.D. Shupe, R. Bennartz, C. Pettersen, M. Kulie, **C.J. Cox**, and B. Castellani, Extreme events at Summit, Greenland: 3 days, 3 years and 33 summers, American Meteorological Society (AMS), 12th Conference on Polar Meteorology and Oceanography. Seattle, Washington. April 2013.
- Bennartz, R., M.D. Shupe, D.D. Turner, V.P. Walden, K. Steffen, **C.J. Cox**, M.S. Kulie, N. Miller, and C. Pettersen, The intricate role of clouds in the surface energy budget: A look at the recent Greenland surface melting event. American Meteorological Society (AMS), 12th Conference on Polar Meteorology and Oceanography. Seattle, Washington. April 2013.
- Walden, V.P., M.D. Shupe, D.D. Turner, R. Bennartz, B. Castellani, **C.J. Cox**, M. Kulie, N. Miller, R.R. Neely III, and C. Pettersen, The ICECAPS experiment - an overview of the Integrated Characterization of Energy, Clouds, Atmospheric state and Precipitation at Summit, Greenland, American Meteorological Society (AMS), 12th Conference on Polar Meteorology and Oceanography. Seattle, Washington. April 2013.
- **Cox, C.J.**, Evaluation of downwelling longwave flux at Summit, Greenland, Seminar, SSEC/CIMSS/AOS, Madison, Wisconsin. March 2013.
- **Cox, C.J.**, The evaluation of Arctic reanalyses using downwelling longwave fluxes at Summit, Greenland, University of Idaho Dept. of Geography Research Seminar, Moscow, Idaho. February, 2013.

2012

- **Cox, C.J.**, Atmospheric downwelling infrared impact and variability over the Greenland Ice Sheet. Arctic Science Seminar, NOAA Physical Sciences Division (PSD), David Skaggs Building, Boulder, Colorado, November, 2012.

- Mariani Z., K. Strong, M. Wolff, P. Rowe, V. Walden, P.F. Fogal, T. Duck, G. Lesins, D.S. Turner, **C.J. Cox**, E. Eloranta, J.R. Drummond, C. Roy, R.L. Lachance, D.D. Turner, D. Hudak, and I.A. Lindenmaier, Infrared measurements throughout Polar night using two AERIs in the Arctic, International Society for Optics and Photonics (SPIE), SPIE Remote Sensing, Edinburgh, Scotland, September 2012.
- **Cox, C.J.**, Clouds over Summit: Studying the atmosphere over the Greenland Ice Sheet, University of Idaho Dept. of Geography Research Seminar. Moscow, Idaho. March, 2012.

2011

- **Cox, C.J.**, V.P. Walden, and P.M. Rowe, Retrievals of microphysical properties over Eureka, Canada (2006-2009). American Meteorological Society (AMS), 11th Conference on Polar Meteorology and Oceanography. Boston, Massachusetts. May 2011.
- Shupe, M.D., V.P. Walden, D.D. Turner, R.R. Neely III, B. Castellani, **C.J. Cox**, P. Rowe, N. Miller, and M.P. Cadeddu, New observations of clouds, atmosphere, and precipitation and Summit, Greenland. American Meteorological Society (AMS), 11th Conference on Polar Meteorology and Oceanography, Boston, Massachusetts. May, 2011.

2009

- **Cox, C.J.**, Atmospheric and cloud conditions over Barrow, Alaska and Eureka, Canada: Flux calculations using Atmospheric Emitted Radiance Interferometers (AERI), University of Idaho Dept. of Geography Research Seminar, Moscow, Idaho. December 2009.
- **Cox, C.J.**, V.P. Walden, and P.M. Rowe, Atmospheric and cloud conditions over Barrow, Alaska and Eureka, Canada, American Meteorological Society (AMS), 10th Conference on Polar Meteorology and Oceanography, Madison, Wisconsin. May 2009.
- **Cox, C.J.**, Measuring Atmospheric Change in the Arctic, University of Idaho Dept. of Electrical and Computer Engineering Research Colloquium, Moscow, Idaho. February 2009.

2008

- **Cox, C.J.**, V.P. Walden, P.M. Rowe, Comparison of Recent Atmospheric Conditions at Barrow, Alaska and Eureka, Canada, American Geophysicists Union (AGU), Fall Meeting, San Francisco, California. December 2008.

Poster Presentations:

2019

- Intriери, J., G. de Boer, **C. Cox**, J. Osborne, P. Johnston and D. Costa, Measurements from UAS using the miniFlux sensor package, NOAA Emerging Technology Workshop, College Park, Maryland, June 2019.
- Maahn, M., **C.J. Cox**, G. de Boer, S. Matrosov, M. Shupe, and C. Williams, Northern Alaska site science: Instrument quality and data stream developments, ARM/ASR PI Meeting, Bethesda, Maryland. June 2019.
- **Cox, C.J.**, S.M. Morris, T. Uttal, C. Long, The De-Icing Comparison Experiment (D-ICE): A study of broadband radiometric measurements under icing conditions in the Arctic, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May 2019.

- **Cox, C.J.**, S.M. Morris, T. Uttal, C. Long, The De-Icing Comparison Experiment (D-ICE): A study of broadband radiometric measurements under icing conditions in the Arctic, NOAA Arctic Research Program (ARP) Principals meeting, Seattle, Washington, May 2019.
- **Cox, C.J.**, S.M. Morris, T. Uttal, C. Long, The De-Icing Comparison Experiment (D-ICE): A study of broadband radiometric measurements under icing conditions in the Arctic, CIRES Rendezvous, Boulder, Colorado, May 2019.
- Turner, D., S. Benjamin, E. James, C. Alexander, T. Ladwig, H. Lin, S. Weygandt, J.B. Olson, T.G. Smimova, G. Grell, G. de Boer, J. Intrieri, A. Solomon, T. Uttal, **C.J. Cox**, and M. Maahn, RAP for YOPP: The NOAA Rapid Refresh Model and its contribution to the Year of Polar Prediction, American Meteorological Society (AMS) 99th Annual Meeting, Phoenix, Arizona, January 2019.

2018

- **Cox, C.J.** (invited), T. Uttal, S. Morris, M. Shupe, and R.S. Stone, The importance of observations of broadband radiation in the Arctic: Utilizing the network to face current challenges, American Geophysical Union (AGU) Fall Meeting, Washington, DC, December 2018.
- **Cox, C.J.**, S.M. Morris, A. McComiskey and T. Uttal, Status and plans for BSRN stations in the northern Canadian archipelago and Greenland, BSRN Workshop and Science Meeting, Boulder, Colorado, July 2018.
- Shupe, M.D., O. Persson, **C. Cox**, C. Fairall, S. Morris, D. Costa, S. Pezoa, T. Ayers, and T. Uttal, Distributed radiation measurements at MOSAiC, BSRN Workshop and Science Meeting, Boulder, Colorado, July 2018.
- Blanchard, Y., J. Pelon, **C.J. Cox**, and C. Di Biago, Comparison of trends in Arctic cloud vertical distribution and LW radiation fluxes inferred from ground-based sensors at Eureka Station, A-Train satellite observations and ERA-I. reanalysis, American Meteorological Society (AMS) 15th Conference on Cloud Physics, Vancouver, British Columbia, July 2018.
- **C. Cox**, R. Stone, D. Stanitski and D. Douglas, The role of the Aleutian Low in seasonal melt of the Pacific Arctic cryosphere, POLAR2018, Davos Switzerland, June 2018.
- **C. Cox** and W. Neff, Boundary-layer structure during super-cooled fog events at Summit, Greenland, POLAR2018, Davos Switzerland, June 2018.
- Uttal, T., A. Makshtas, **C. Cox** and N. Ivanov, Identification of physically based Arctic cold and transition seasons, POLAR2018, Davos Switzerland, June 2018.
- Persson, O., M. Shupe and **C. Cox**, Meteorological masts and covariance fluxes, MOSAiC Implementation Workshop, Potsdam, Germany, May 2018.
- Maahn, M., C. Acquistapace, G. de Boer, **C. Cox**, G. Feingold, T. Marke, M. Shupe, and C. Wiedinmyer, Investigating the impact of anthropogenic pollution on cloud properties derived from ground based remote sensors at the North Slope of Alaska, CIRES Rendezvous, Boulder, Colorado, May 2018.
- **Cox, C.**, R. Stone, D. Stanitski, and D. Douglas, The role of atmospheric circulation in seasonal melt of the Pacific Arctic cryosphere, CIRES Rendezvous, Boulder, Colorado, May 2018.

- **Cox, C.J.**, S.M. Morris, C.N. Long and the D-ICE Team, De-Icing Comparison Experiment (D-ICE), ARM/ASR PI Meeting, Tysons, Virginia. March 2018.
- Maahn, M., G. de Boer, **C. Cox**, J. Creamean, S. Matrosov, A. McComiskey, M. Shupe, A. Solomon, D. Turner, and C. Williams, Oliktok Point Site Science: Development of Advanced Observational Perspectives to Aid Model Validation, ARM/ASR PI Meeting, Tysons, Virginia. March 2018.

2017

- **Cox, C.J.** and S.M. Morris, The De-Icing Comparison Experiment (D-ICE): A campaign for improving data retention rates of radiometric measurements under icing conditions in cold regions, American Geophysical Union (AGU) Fall Meeting 2017, New Orleans, Louisiana. December 2017.
- **Cox, C.J.**, C.N. Long, T. Uttal, S. Starkweather, S.M. Crepinsek, M. Maturilli, N. Miller, E.A. Konopleva-Akish, V.Y. Kustov, K. Steffen, G. de Boer, A. McComiskey, and R.S. Stone, Observations of the surface radiation budget and cloud radiative forcing from pan-Arctic land stations, Global Monitoring Annual Conference (GMAC), Boulder, Colorado, May 2017.
- **Cox, C.**, C. Long, T. Uttal, S. Starkweather, S. Crepinsek, M. Maturilli, N. Miller, E. Konopleva-Akish, V. Kustov, K. Steffen, G. de Boer, A. McComiskey, and R. Stone, Observations of the surface radiation budget and cloud radiative forcing from pan-Arctic land stations, CIRES Rendezvous, Boulder, Colorado, May 2017.
- Hartten, L., S. Abbott, **C.J. Cox**, P.E. Johnston, H.A. McColl, X.W. Quan, M.G. Winterkorn, and D.E. Wolfe, The Kirimati Island and R/V Ronald H. Brown ENRR 2016 Datasets: Detailed views of local responses to El Nino, CIRES Rendezvous, Boulder, Colorado, May 2017.
- Intrieri, J., A. Solomon, **C. Cox**, O. Persson, G. de Boer, A. Capotondi, A. Grachev, and M. Hughes, Evaluating physical processes during freeze-up season using a coupled ice-ocean-atmosphere forecast model, Arctic Science Summit Week, Prague, Czech Republic, April 2017.
- Solomon, A., J. Intrieri, O. Persson, **C. Cox**, M. Hughes, A. Grachev, A. Capotondi, and G. de Boer, Evaluating physical processes during freeze-up season using a coupled ice-ocean-atmosphere forecast model, European Geosciences Union (EGU), Vienna, Austria, April 2017.
- Hartten, L., S. Abbott, **C.J. Cox**, P.E. Johnston, H.A. McColl, X.W. Quan, M.G. Winterkorn, and D.E. Wolfe, The Kirimati Island and R/V Ronald H. Brown ENRR 2016 Datasets: Detailed views of local responses to El Nino, 97th American Meteorological Society (AMS) Annual Meeting, Seattle, Washington. January 2017.

2016

- **Cox, C.J.**, and Coauthors (invited), Observational perspectives of cloud-atmosphere-surface coupling at Summit, Greenland, American Geophysical Union (AGU) Fall Meeting 2016, San Francisco, California. December 2016.
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