**JANET M. INTRIERI**

Atmospheric Research Scientist

NOAA Earth System Research Laboratory Physical Sciences Laboratory

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**PROFESSIONAL PREPARATION**

University of Colorado Aerospace Engineering Sciences Ph.D. 2002

University of Colorado Aerospace Engineering Sciences M.S. 1996

Colorado State University Atmospheric Sciences M.S. 1991

Pennsylvania State University Meteorology B.S. 1985

**PROFESSIONAL EXPERIENCE**

NOAA / Earth System Research Laboratory January 2015 - present

Sea Ice Forecasting and UAS Projects, Co-Lead

NOAA / Arctic Research Program January 2013 - June 2013

Acting Director

NOAA / Earth System Research Laboratory June 2011 - December 2014

Deputy Branch Chief, Water & Climate Physics

NOAA / Earth System Research Laboratory June 2007 - May 2011

Senior Advisor to the ESRL Director

National Science Foundation / Office of Polar Programs October 2005 - June 2007

Associate Program Manager,

NOAA / ETL / Atmospheric Lidar Division May 1985 - September 2005

Weather and Climate Research Scientist

**SCIENCE LEADERSHIP, COMMITTEES, AWARDS**

IARPC Sea Ice Collaboration Team, Federal Team Lead; 2017-present

Ronald H. Brown Chief Scientist, 2020, 2016

NASA IceSat-2 Standing Review Board, Member; 2012-2017

G-IV Mission Scientist, 2016

WMO Polar Prediction Project, Steering Group Member; 2017

NOAA Sea Ice Forecasting Program Planning, Lead; 2010-2014

NOAA representative SEARCH (Interagency) Science Steering Committee, Member; 2011-2016

AMS Committee on Polar Meteorology and Oceanography, Member; 2009-2014

NOAA Arctic Regional Team, OAR Representative; 2009-present

CO2 50th Anniversary Conference, Planning Committee; 2007

International Laser Radar Conference, Program Committee Member; 2003-2004

Presidential Early Career Award for Scientist and Engineers, NOAA Nominee; 2003

Coordination-Group for Laser Atmospheric Studies, Committee Member; 1999-2003

DOE / Atmospheric Radiation Measurement, Science Team Member; 1999-2004

GEWEX Cloud System Study, Working Group V (Polar clouds) Member; 1998-2003

NSF / SHEBA, Science Team Member; 1998-2002

AMS Radiation Conference, Session Chair; 1999

WMO / Vaisala Paper Award Finalist; 1998

International Radiation Symposium, Session Chair; 1997

Lidar Atmospheric Studies Symposium, Session Chair; 1997

NOAA Outstanding Paper Award Nominee; 1993

**SELECT REFEREED PUBLICATIONS**

Intrieri, J., A. Solomon, O. Persson, C. Cox, G. de Boer, M. Hughes, and A. Capotondi: **Evaluation of the NOAA Experimental Coupled Arctic Forecast System (CAFS)**, 2020: Weather and Forecast., in review.

de Boer, G., and co-authors, 2020: **Development of community, capabilities and understanding through unmanned aircraft-based atmospheric research: The LAPSE-RATE campaign**, *Bull. Amer. Meteor. Soc.*, 101, E684-E699.

Ralph, F.M., + 15 coauthors, 2015: CalWater Field Studies Designed to Quantify the Roles of Atmospheric Rivers and Aerosols in Modulating U.S. West Coast Precipitation in a Changing Climate. *Bull. Amer. Meteor. Soc.,* **7**,1209-1228, doi: [10.1175/BAMS-D-14-00043.1](http://dx.doi.org/10.1175/BAMS-D-14-00043.1)

Intrieri, J. M., de Boer, G., Shupe, M. D., Spackman, J. R., Wang, J., Neiman, P. J., Wick, G. A., Hock, T. F., and Hood, R. E., 2014: Global Hawk dropsonde observations of the Arctic atmosphere obtained during the Winter Storms and Pacific Atmospheric Rivers (WISPAR) field campaign, *Atmos. Meas. Tech*., **7**, 3917-3926, doi:10.5194/amt-7-3917-2014.

Ralph, F.M., J.M. Intrieri, + 23 coauthors, 2013: The Emergence of Weather-Related Test Beds Linking Research and Forecasting Operations. *Bull. Amer. Meteor. Soc.*, **94**, 1187–1211.

Intrieri, J.M. and M.D. Shupe, 2004: Characteristics and radiative effects of diamond dust on the Arctic surface. *J. Climate,* **17**, 2953-2960.

Shupe, M. D., and J. M. Intrieri, 2004: Cloud radiative forcing of the Arctic Surface: The influence of cloud properties, surface albedo, and solar zenith angle. *J. Climate*, **17**, 616-628.

Intrieri, J. M., C. W. Fairall, M. D. Shupe, P. O. G. Persson, E. L. Andreas, P. S. Guest, and R. E. Moritz, 2002: An annual cycle of Arctic surface cloud forcing at SHEBA*. J. Geophys. Res*., **107**, 8039, 2002.

Intrieri, J. M., M. D. Shupe, T. Uttal, and B. J. McCarty, 2002: An annual cycle of Arctic cloud characteristics observed by radar and lidar at SHEBA. *J. Geophys. Res.,* **107**, 8030, 2002.

Key, J.R., and J.M. Intrieri, 2001: Cloud particle phase determination with the AVHRR. *J. Appl. Meteor*., **39**, 1797-1804.

Intrieri, J.M., W.L. Eberhard, T. Uttal, J.B. Snider, Y. Han, J.A. Shaw, B.W. Orr, and S.Y. Matrosov, 1995: Multi-wavelength observations of a developing cloud system: The FIRE II 26 November 1991 case study. *J. Atmos. Sci.,* **52***,* 4079-4093.

Intrieri, J.M., G.L. Stephens, W.L. Eberhard, and T. Uttal, 1993: A method for determining cirrus cloud particle sizes using a lidar and radar backscatter technique. *J. Appl. Meteor.,* **32**, 1074- 1082.

Intrieri, J.M., A.J. Bedard, Jr., R.M. Hardesty, 1990: Details of colliding thunderstorm outflow boundaries as observed by Doppler lidar. *J. Atmos. Sci.,* **47**, 1081-1098.

Intrieri, J.M., C.G. Little, W.J. Shaw, P.A. Durkee, R.M. Banta, and R.M. Hardesty, 1990: The Land/Sea Breeze Experiment (LASBEX). *Bull. Amer. Meteor. Soc.,* **71**, 656-664.