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Atmospheric Research Scientist
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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 APPOINTMENTS

NOAA / Earth System Research Laboratory — January 2015 - present
Sea Ice Forecasting, Project Manager

NOAA / Earth System Research Laboratory — June 2011 - December 2014
Deputy Branch Chief, Water and Climate Physics Branch

NOAA / Earth System Research Laboratory — June 2007 - May 2011
Senior Advisor to the ESRL Director

National Science Foundation — October 2005 - June 2007
Associate Program Manager, Office of Polar Programs

NOAA / ETL / Atmospheric Lidar Division — May 1985 - September 2005
Weather and Climate Research Scientist

SCIENCE LEADERSHIP, COMMITTEES, AWARDS

NASA IceSat-2 Standing Review Board Member; 2012-present
IARPC Sea Ice Forecasting Collaboration Team Member; 2012-present
NOAA Sea Ice Forecasting Program Planning, Lead; 2010 - 2014
NOAA representative SEARCH (Interagency) Science Steering Committee; 2011- present
AMS Committee on Polar Meteorology and Oceanography; 2009 - 2014
OAR Member of the NOAA Arctic Regional Team; 2009 - present
CO_2 50th Anniversary Conference, Planning Committee, Kona, Hawaii; 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
NASA / FIRE, Science Team Member; 1990-1995
NOAA Outstanding Paper Award Nominee; 1993

SELECT REFEREED PUBLICATIONS

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

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.