

Publication List for Janet M. Intrieri: 1987 - Present

2015

Conference Papers:

Intrieri, J.M., P.O.G Persson, A. Solomon, M. Hughes, A. Grachev, 2015: The ESPC Sea Ice Demonstration Project. 13th Polar Meteorology and Oceanography Conference, May 25-28, 2015, British Columbia, Canada.

Cox, C., T. Uttal, S. Starkweather, J. Intrieri, M. Maturilli, V. Kustov, E. Konopleva, S. Crepinsek, C. Long, 2015: Using Pan-Arctic, Springtime, Surface Radiation Observations to Quantify Atmospheric Preconditioning Processes that Impact the Sea Ice Melt Season, EGU, Vienna, Austria.

2014

Journal Articles:

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.

2013

Journal Articles:

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.

2012

Conference Papers:

Intrieri, J.M., J.A. Calder, C. Scott, J.E. Overland, 2012: Developing a NOAA Sea Ice Forecasting Capability. *International Polar Year Conference 2012*, Montreal, Quebec, Canada, 23-27 April, 2012.

Calder, J.A., J.E. Overland, C. Scott, J.M. Intrieri, 2012: Improvements in Sea Ice Forecasting – Results of a NOAA Workshop. *Alaska Marine Science Symposium*, Anchorage, AK, USA, 20-25 January, 2012.

Spackman, J.R., G. A. Wick, M. L. Black, F. M. Ralph, Y. Song, P. J. Neiman, J. Intrieri, T. Hock, B. H. Lambriksen, and R. E. Hood, 2012: The Winter Storms and Pacific Atmospheric Rivers (WISPAR) Experiment: Demonstrating NOAA Operational and Research Applications with the NASA Global Hawk. *16th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface*, AMS, New Orleans, LA, USA, 23-27 January, 2012.

Reports:

Intrieri, J.M., 2011: NOAA Sea Ice Forecasting – Workshop Summary. 20 pp.

2010/2011

Conference Papers:

Intrieri, J.M., J.A. Calder, 2010: A NOAA Sea Ice Forecasting Project. *3rd Ice-Diminished Arctic Symposium*, Annapolis, MD, USA, 9-11 June, 2010.

Intrieri, J.M., J.R. Spackman, M. Hughes, P.J. Neiman, G.A. Wick, T. Hock, S.V. Nghiem, R.E. Hood, 2012: Global Hawk Dropsonde Observations of the Arctic Atmosphere from March 9-10, 2011. *Fall 2011 Meeting of the American Geophysical Union*, San Francisco, CA, USA, 5-9 December, 2011.

2008/9

Conference Papers:

Darby L.S., M.J. Post, R. M. Banta, J.M. Intrieri, W.A. Brewer, W.L. Eberhard, R.M. Hardesty, R. Marchbanks, R. Richter, S. Sandberg, and A. Weickmann, 2008: NOAA's TEACO Doppler Lidar – A short history, *24th International Laser Radar Conference*, Boulder, Colorado, USA, 23 - 27 June 2008.

2006/7

Journal Articles:

Wolfe, D.E., C.W. Fairall, D.C. Welsh, M. Ratterree, A.W. Brewer, J.M. Intrieri, C.J. Senff, B.J. McCarty, S. Tucker, D.C. Law, A.B. White, and D.E. White: Shipboard multisensor merged wind profiles from the New England Air Quality Study 2004. *J. Geophys. Res.*, 112, D10S15, doi:10.1029/2006JD007344

Conference Papers:

Senff, C.J., R.M. Banta, R.M. Hardesty, W.A. Brewer, R.J. Alvarez II, S.P. Sandberg, S.C. Tucker, J.M. Intrieri, L.S. Darby, A.B. White, J.M. Wilczak and I.V. Djalalova, Vertical structure and transport of ozone over the northeastern United States: Lidar observations and comparisons with air quality forecast models, 7th International Symposium on Tropospheric Profiling: Needs and Technologies, 2006.

2005

Journal Articles:

Zuidema, P., B. Baker, Y. Han, J. Intrieri, J. Key, P. Lawson, S. Matrosov, M. Shupe, R. Stone, And T. Uttal, 2005: An Arctic Springtime Mixed-Phase Cloudy Boundary Layer Observed during SHEBA. J. Atmos. Sci., 62, 160-176.

Conference Papers:

Wolfe, D.E., C.W. Fairall, M. Ratterree, A.W. Brewer, J.M. Intrieri, B.J. McCarty, S. Tucker, and D.C. Law, 2005: Multi-Sensor wind profiles from NEAQS 2004: Rawindsonde, Radar Wind Profiler, LIDAR, C-Band radar. SMOI meeting, American Meteorological Society, June 2005 Savannah, GA.

Intrieri, J.M., and M.D. Shupe, 2005: The NSA / SHEBA Cloud and Radiation Comparison Study. Eighth Conference on Polar Meteorology and Oceanography, AMS, 9-12 January, 2005, San Diego, CA.

2004/2003

Journal Articles:

Intrieri, J.M. and M.D. Shupe, 2004: Characteristics and Radiative Effects of Diamond Dust over the Western Arctic Ocean region. Journal of Climate, 17, 2953-2960.

Shupe, M.D., and J.M. Intrieri, 2004: Arctic surface cloud forcing at SHEBA, Part 1: The impact of cloud properties, surface albedo, and solar zenith angle. Journal of Climate, 17, 616-628.

Gultepe, I., G.A. Isaac, J. Key, J. Intrieri, D.O'C. Starr, and K.B. Strawbridge, 2004: Dynamical and microphysical characteristics of Arctic clouds using integrated observations collected over SHEBA during the April 1998 FIRE.ACE flights of the Canadian Convair. Met. and Atmos. Physics, 1-28.

Conference Papers:

Intrieri, J.M., and M.D. Shupe, 2004: Arctic cloud forcing determined by lidar cloud measurements and broadband surface radiometers. International Laser Radar Conf., 12-16 July, 2004, Matera, Italy, ESA SP-561, 573-776.

Brewer, W.A., J.M. Intrieri, C. Senff, 2003: Tropospheric Profiling Conference, American Meteorological Society, Boston, MA, Leipzig, Germany, Sept. 15-19, 2003,.

Zuidema, P., J.M. Intrieri, S.Y. Matrosov, M.D. Shupe, and T. Uttal, B. Baker, and P. Lawson, 2003: Four studies of Arctic mixed-phase clouds with high liquid water paths from SHEBA/FIRE/ACE. ARM Conference Paper, Broomfield, CO, May 31-April 3, 2003.

Zuidema, P., B.B. Baker, J.M. Intrieri, P. Lawson, S.Y. Matrosov, and M.D. Shupe, 2003: Studies of Arctic mixed-phase clouds from SHEBA/FIRE/ACE: May 1-10 case study. Proc. 7th Conf. on Polar Met. and Ocean., AMS, 12-16 May, Hyannis, MA.

M.D. Shupe and J.M. Intrieri, 2003: Cloud radiative forcing of the Arctic surface: The influence of cloud properties, surface albedo, and solar zenith angle. ARM Conference Paper, Broomfield, CO, May 31-April 3, 2003.

2000/2001/2002

Journal Articles:

Intrieri, J. M., C. W. Fairall, M. D. Shupe, P. O. G. Persson, E. L. Andreas, P. S. Guest, and R. E. Moritz, An annual cycle of Arctic surface cloud forcing at SHEBA, *J. Geophys. Res.*, 107(C10), 8039, doi:10.1029/2000JC000439, 2002.

Intrieri, J. M., M. D. Shupe, T. Uttal, and B. J. McCarty, An annual cycle of Arctic cloud characteristics observed by radar and lidar at SHEBA, *J. Geophys. Res.*, 107(C10), 8030, doi:10.1029/2000JC000423, 2002.

Bretherton, C.S., S.R. DeRoode, C. Jakob, and J. Intrieri, 2002: A comparison of the ECMWF forecast model with observations over the annual cycle at SHEBA. *J. Geophys. Res.*

Beesley, J.A., C.S. Bretherton, C. Jakob, E.L. Andreas, J.M. Intrieri, and T. Uttal, 2002: A comparison of cloud and boundary-layer variables in the ECMWF forecast model with observations at SHEBA. *J. Geophys. Res.*

Schweiger, A., R. Lindsay, J. Francis, J. Key, J. Intrieri, M. Shupe, 2002: Validation of TOVS Path-P data during SHEBA. *J. Geophys. Res.*

Uttal, T., J.A. Curry, M.G. McPhee, D.K. Perovich, R.E. Moritz, J.A. Maslanik, P.S. Guest, H.L. Stern, J.A. Moore, R. Turenne, A. Heiberg, M.C. Serreze, D.P. Wylie, O.G. Persson, C.A. Paulson, C. Halle, J.H. Morison, P.A. Wheeler, A. Makstas, H. Welch, M.D. Shupe, J.M. Intrieri, K. Stamnes, R.W. Lindsey, R. Pinkel, W.S. Pegau, T.P. Stanton, and T.C. Grenfeld, 2002: The Surface Heat Budget of the Arctic Ocean. *Bull. Amer. Meteor. Soc.*, 83, 255-275.

Key, J.R., and J.M. Intrieri, 2000: Cloud particle phase determination with the AVHRR. *J. Appl. Meteor.*, 39, 1797-1804.

Pinto, J.O., J.A. Curry, J.M. Intrieri, 2001: Cloud-aerosol interactions during autumn over the Beaufort Sea. *J. Geophys. Res.*, 106, 15077-15097.

Curry, J.A., P. Hobbs, M. King, D. Randall, P. Minnis, G. Isaac, J. Pinto, T. Uttal, A. Bucholtz, D. Gripe, H. Gerber, C. Fairall, T. Garrett, J. Hudson, J.M. Intrieri, C. Jakob, T. Jensen, P. Lawson, D. Marcotte, L. Nguyen, P. Pilewski, A. Rangno, D. Rogers, K. Strawbridge, F. Valero, A. Williams, D. Wylie, 2000: FIRE Arctic Clouds Experiment. *Bull. Amer. Meteor. Soc.*, 81, 5-29.

Conference Papers:

Intrieri, J.M., and M.D. Shupe, 2002: Sensitivity of Surface Cloud Radiative Forcing to Arctic Cloud Properties. 11th Conf. Atmospheric Radiation, American Meteorological Society, Ogden, UT, 3-7 June, 2002.

Intrieri, J.M., W.L. Eberhard, R.J. Alvarez, II, and S.P. Sandberg, 2000: The NOAA Depolarization and Backscatter Unattended Lidar System: A Review of Arctic, Tropical and Mid-latitude Cloud Observations. Proceedings, International Laser Radar Conf., Vichy, France, 10-14 July, 2000.

Intrieri, J.M. and S.P. Sandberg, 2000: Observations of High-Level Cirrus Clouds by the NOAA Depolarization Lidar during NAURU 99. ARM Science Team Meeting. San Antonio, TX 13-17 March, 2000.

Intrieri, J.M., B.J. McCarty, W.L. Eberhard, and R.J. Alvarez, 2000: Liquid water phase in the Arctic atmosphere. Symp. On Lidar Atmospheric Monitoring, 9-14 Jan. 2000, Long Beach, CA, American Meteorological Society, Boston, MA., 40-43.

Ph.D. Dissertation: Arctic clouds and their radiative impact on the surface. Department of Aerospace Engineering Sciences. University of Colorado, December 4, 2002

1999

Journal Articles:

Perovich, Andreas, Curry, Eiken, Fairall, Grenfell, Guest, Intrieri, Kadko, Lindsay, McPhee, Morison, Moritz, Paulson, Pegau, Persson, Pinkel, Richter-Menge, Stanton, Stern, Strum, Tucker, Uttal, 1999: Year on ice gives climate insights. *EOS*, 80, 41.

Conference Papers:

Intrieri, J.M., C.W. Fairall, and B.J. McCarty, 1999: Lidar-derived Arctic cloud properties and radiation measurements during the polar winter season at SHEBA. Proceedings, 5th Conf. on Polar Meteorology and Oceanography, 10-15 January 1999, Dallas, TX, American Meteorological Society, Boston, MA, 154-157.

Intrieri, J.M., W.L. Eberhard, R.J. Alvarez, II, S.P. Sandberg, and B.J. McCarty, 1999: Cloud statistics from lidar at SHEBA. Proceedings, 5th Conf. on Polar Meteorology and Oceanography, 10-15 January 1999, Dallas, TX, American Meteorological Society, Boston, MA, 233-236.

Jensen, T.L., J. M. Intrieri, and T. Uttal, 1999; Comparisons of in situ measurements with lidar in mixed-phase clouds during FIRE.ACE. 5th Conf. on Polar Meteorology and Oceanography, 10-15 January 1999, Dallas, TX, American Meteorological Society, Boston, MA.

Persson, P.O.G., T. Uttal, J. M. Intrieri, C.W. Fairall, E.A. Andreas, and P.S. Guest, 1999: Observations of large thermal transitions during the Arctic night from a suite of sensors at SHEBA. Proceedings, 3rd Symposium on Integrated Observing Systems, 10-15 January, Dallas, TX, American Meteorological Society, Boston, MA.

1998

Conference Papers:

Intrieri, J.M., W.L. Eberhard, R.J. Alvarez, II, K.R. Healy, 1998: Arctic cloud measurements obtained with the ETL unattended lidar system. Proceedings, Conf. on Cloud Physics, 17-21 August, Everett, WA., American Meteorological Society, Boston, MA.

Alvarez, R.J., II, W.L. Eberhard, J.M. Intrieri, S.P. Sandberg, K.W. Koenig, 1998: Cloud Backscatter and Phase Measurements in the Arctic Using ETL's DABUL Lidar. Proceedings, 4th Inter. Symp. on Tropospheric Profiling, 20-25 Sept., Snowmass, CO, American Meteorological Society, Boston, MA., 7-9.

Alvarez, R.J., II, W.L. Eberhard, J.M. Intrieri, C.J. Grund, and S.P. Sandberg, 1998: A depolarization and backscatter lidar for unattended operation in varied meteorological conditions. Proceedings, 10th Symposium on Meteor. Obs. and Instrumentation, 11-16 January, Phoenix, AZ, American Meteorological Society, Boston, MA., 140-144.

1997

Conference Papers:

Eberhard, W.L., S.Y. Matrosov, A.S. Frisch, and J.M. Intrieri, 1997: Microphysical retrievals from simultaneous radar and optical measurements. WMO Cloud Workshop, 23-27 June, Mexico City, Mexico.

Intrieri, J.M., W.A. Brewer, and W.L. Eberhard, 1997: Performance of the mini-MOPA, CO2 Doppler, Cloud Lidar at CART. ARM Science Team Meeting, 3-7 March, San Antonio, TX.

Eberhard, W.L., J.M. Intrieri, and G.L. Feingold, 1997: Lidar and radar as partners in cloud sensing. Proceedings, Optical Remote Sensing of the Atmosphere, 10-14 Feb., 1997, Santa Fe, NM, Optical Soc. America.

1996

Conference Papers:

Intrieri, J.M., J.A. Goldstein, J.A. Curry: 1996: Microphysical and radiative properties of Arctic cirrus clouds obtained during the BASE 94 field experiment. International Radiation Symposium 2, Fairbanks, Alaska, 19 - 24 August, 1996.

1995

Journal Articles:

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.

Uttal, T., W.L. Eberhard, E.E. Clothiaux, J.M. Intrieri, and T.P. Ackerman, 1995: Cloud boundaries during FIRE II. *J. Atmos. Sci.*, 52, 4276-4284.

Matrosov, S.Y., A.J. Heymsfield, J.M. Intrieri, and J.A. Snyder, 1995: Comparison of ground-based remote sensor and aircraft data. *J. Atmos. Sci.*, 52, 4128-4142.

Baum, B.A., T. Uttal, M. Poellet, T.P. Ackerman, J.M. Alvarez, J.M. Intrieri, D.O'C. Starr, J. Titlow, V. Tovinkere, and E.E. Clothiaux, 1995: Satellite remote sensing of multiple cloud layers. *J. Atmos. Sci.*, 52, 4210-4230.

Conference Papers:

Hardesty, R.M. and J.M. Intrieri, 1995: Doppler lidar measurements of wind and turbulence in the marine boundary layer. Proceedings, COMEAS 95, 3-6 April, Atlanta, GA., IEEE, Piscataway, NJ., 148-150.

Eberhard, W.L. and J.M. Intrieri, 1995: Cloud parameters from infrared lidar used singly and in combination with radar and infrared radiometer. Proceedings, COMEAS 95, April 3-6, Atlanta, GA., IEEE, Piscataway, NJ., 129-131.

Eberhard, W.L., and J.M. Intrieri, 1995: Cirrus physical and radiative parameters from simultaneous lidar, radar, and infrared radiometer measurements. Proceedings, Optical Remote Sensing of the Atmosphere, Feb. 5-9, 1995, Salt Lake City, UT, Optical Society of America, Washington, DC., 179-181.

Intrieri, J.M., R.A. Kropfli, J.J. Bates, A.J. Bedard, Jr., C. Fairall, L. Fedor, C. King, J. Palmer, A. White, J. Wilzack, R. Zamora, 1995: The San Clemente Island Ocean Probing Experiment (SCOPE). Advanced Sensor Application Program Report, Intelligence Systems Support Office, Arlington, VA, 64 pp.

1994

Conference Papers:

Intrieri, J.M., W.L. Eberhard, and G. Feingold, 1994: An inverse technique for obtaining cirrus cloud microphysical parameters using combined radar and lidar backscatter measurements. Proceedings, IGARSS'94, 8-12 August 1994, Pasadena, CA, 1904-1906.

Eberhard, W.L., J.M. Intrieri, and G. Feingold, 1994: Radiative and microphysical properties of cirrus observed by remote sensors at FIRE II. IGARSS'94, 8-12 August 1994, Pasadena, CA,

Young, D.F., S. Mayor, P. Minnis, J.M. Intrieri, S. Matrosov, and J. Snider, 1994: Comparison of satellite and surface-based remote sensing of cloud microphysical properties during FIRE cirrus phase II. Proceedings, 8th Conf. on Atmos. Radiation, Nashville, TN, January 23-28, 1994, American Meteorological Society, Boston, MA, 231-233.

Eberhard, W.L., J.M. Intrieri, and G. Feingold, 1994: Cirrus radiative and microphysical properties from combined lidar, radar, and infrared radiometer measurements at FIRE II. Proceedings, 8th Conf. on Atmos. Radiation, Nashville, TN, January 23-28, 1994, American Meteorological Society, Boston, MA, 222-224.

1993

Journal Articles:

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

Conference Papers:

Intrieri, J.M., and G. Feingold, 1993: Cirrus cloud optical and microphysical properties using information from the lidar and radar for the 26 November 1991 case study. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, pp. 42-45.

Intrieri, J.M., and S.Y. Matrosov, 1993: Cirrus cloud particle sizes for the 26 November 1991 case study: A comparison of predicted sizes using the lidar-radar method and the radar-radiometer method. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, p. 46.

Smith, W.L., Jr., P. Minnis, J.M. Alvarez, T. Uttal, J.M. Intrieri, T.P. Ackerman, and E. Clothiaux, 1993: Development of methods for inferring cloud thickness and cloud base height from satellite radiance data. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, pp. 26-29.

Uttal, T., W.L. Eberhard, J. Snider, J.M. Intrieri, S.Y. Matrosov, 1993: November 26 case study utilizing data collected by the NOAA Wave Propagation Laboratory. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, p. 57.

Uttal, T., T.P. Ackerman, and J.M. Intrieri, 1993: Cloud boundaries during FIRE II, Part I: Comparison of 8.66 mm radar 3 mm radar and 10.6 :m. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, p. 97-100.

Baum, B.A., J. Titlow, V. Tovinkere, M. Poellet, T.P. Ackerman, J. Alvarez, T. Uttal, and J.M. Intrieri, 1993: Remote sensing of multilevel clouds during FIRE IFO II. Fire Science Team Meeting, Breckenridge, CO, June 14-17, pp. 34-37.

Young, D.F., P. Minnis, T. Uttal, J.M. Intrieri, 1993: Comparison of cloud microphysical parameters derived from surface and satellite measurements during FIRE Phase II. FIRE Science Team Meeting, Breckenridge, CO, June 14-17, pp. 47-50.

Intrieri, J.M., G. Feingold, K.R. Healy, W.L. Eberhard, and T. Uttal, 1993: Cirrus Cloud Properties Derived from Simultaneous CO₂ and KA-band Radar Measurements. 7th International Conf. on Laser Radar, Paris, France, July 19-25, pp. 47-50.

Intrieri, J.M., K.R. Healy, T. Uttal, A.J. Heymsfield, 1993: Combining lidar and radar measurements to derive cirrus cloud effective radii: In-situ comparisons and simplistic model results. CO-MEAS, Albuquerque, NM, March 22-25, 1993, IEEE, Piscataway, NJ, 119-122.

Uttal, T. and J.M. Intrieri, 1993: Detection of cloud boundaries using 8.66 mm radar and 10.6 :m lidar. CO-MEAS, Albuquerque, NM, March 22-25, 1993, IEEE, Piscataway, NJ, 207-210.

Conference Papers:

Intrieri, J.M., W.L. Eberhard, J. Snider, and T. Uttal, 1992: Multi-wavelength observations of a cirrus cloud event from FIRE II: Preliminary lidar, radar, and radiometer measurements. Preprints, 11th International Conf. on Clouds and Precipitation, Montreal, Canada, August 17-21, 1992, American Meteorological Society, Boston, MA, 537-540.

W.L. Eberhard, J.M. Intrieri, and R.M. Hardesty, 1992: CO₂ lidar techniques for measuring three important cloud parameters. Preprints, 11th International Conf. on Clouds and Precipitation, Montreal, Canada, August 17-21, 1992, American Meteorological Society, Boston, MA, 10451048.

W.L. Eberhard, T. Uttal, K.A. Clark, R.E. Cupp, E.G. Dutton, L.S. Fedor, J.M. Intrieri, S.Y. Matrosov, J.B. Snider, and R.J. Willis, 1992: Remote sensing data from CLARET: A prototype CART data set. NOAA Technical Memorandum ERL WPL-223, 58 pp.

1991

Conference Papers:

Intrieri, J.M., W.L. Eberhard, and T. Uttal, 1991: Determination of cirrus cloud particle effective radii using radar and lidar backscattering data. Preprints, 25th International Conf. on Radar

Meteor., Paris, France, June 24-28, 1991, American Meteorological Society, Boston, MA, 809-812.

Intrieri, J.M., T. Uttal, R.M. Hardesty, W.L. Eberhard, and R.E. Cupp, 1991: Comparison of measurements made with NOAA's CO2 Doppler lidar and 3.2-cm radar. Preprints, 25th International Conf. on Radar Meteor., Paris, France, June 24-28, 1991, American Meteorological Society, Boston, MA, 867-870.

W.L. Eberhard, R.E. Cupp, K.R. Healy, J.M. Intrieri, and R.J. Willis, 1991: Sensing of cloud properties with infrared lidar. Preprints, Special session on laser atmospheric studies, New Orleans, LA, Jan. 13-18, American Meteorological Society, Boston, MA, 452-457.

Olivier, L.D., J.M. Intrieri, and R.M. Banta, 1991: Doppler lidar observations of a land/sea breeze transition on a day with offshore flow. Preprints, 5th Conf. on the Meteor. and Ocean. of the Coastal Zone, Miami, FLA., May 6-9, American Meteorological Society, Boston, 138-142.

Post, M.J., R.M. Banta, W.L. Eberhard, R.M. Hardesty, J.M. Intrieri, 1991: Doppler lidar measurements of tropospheric winds. Conf. Proceedings, Optcon '91, San Jose, CA 3-8 November 1991, Optical Society America, Washington, DC, 69.

Masters Thesis: "Determining Cirrus Cloud Effective Radii Using Lidar and Radar Backscatter Data" Colorado State University, Fort Collins, CO, 82 pp. (October, 1991)

1990

Journal Articles:

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.

D.B. Parsons, M.A. Shapiro, R.M. Hardesty, and J.M. Intrieri, 1990: The finescale structure of a west Texas dryline. Mon. Wea. Rev., 119, 1242-1258.

Conference Papers:

Intrieri, J.M., and L.D. Olivier, 1990: Life cycle of the land/sea breeze. Proceedings, 4th Conf. on Mesoscale Processes, Boulder, CO 25-29 June 1990, American Meteorological Society, Boston, MA, 116-117.

R.M. Banta, L.D. Olivier, and J.M. Intrieri, 1990: Doppler lidar observations of the 9 January 1989 severe downslope windstorm in Boulder, Colorado. Preprints, 5th Conf. on Mountain Meteorology, Boulder, CO, 25-29 June 1990, American Meteorological Society, Boston, MA, 68-69.

Intrieri, J.M., W.L. Eberhard, G.L. Stephens, 1990: Preliminary comparison of lidar and a radar backscattered returns as a means of assessing cirrus radiative properties. Preprints, 7th Conf.on Atmos. Radiation, San Francisco, CA, 23-27 July, 1990, American Meteorological Society, Boston, MA, 354-356.

W.L. Eberhard, T. Uttal, J.M. Intrieri, R.W. Willis, 1990: Cloud parameters from IR lidar and other instruments: CLARET design and preliminary results. Preprints, 7th Conf.on Atmos. Radiation, San Francisco, CA, 23-27 July, 1990, American Meteorological Society, Boston, MA, 343-348.

Uttal, T., R.A. Kropfli, W.L. Eberhard, and J.M. Intrieri, 1990: Observations of mid-latitude, continental cirrus clouds using and X-band radar: Comparisons to ruby and CO2 lidar observations. Preprints, 7th Conf.on Atmos. Radiation, San Francisco, CA, 23-27 July, 1990, American Meteorological Society, Boston, MA, 349-353.

W.L. Eberhard, R.E. Cupp, R.M. Hardesty, J.M. Intrieri, and R.J. Willis, 1990: Design and preliminary results from the Cloud Lidar and Radar Exploratory Test (CLARET), Proceedings, Optical Remote Sensing of the Atmos. Topical Meeting, Incline Village, NV, 12-15 February, 1990, Optical Society of America, Washington, DC, 212-214.

Hardesty, R.M., W.L. Eberhard, R.M. Banta, and J.M. Intrieri, 1990: Cloud and air pollution research using pulsed Doppler lidar. Proceedings, 15th International Laser Radar Conference, Tomsk, USSR, 23-27 July, 1990 Institute for Atmospheric Optics, Tomsk, USSR, 299-302.

Parsons, D.B., M.A. Shapiro, R.M. Hardesty, R.J. Zamora, and J.M. Intrieri, 1990: The mesoscale structure of the Texas dryline. preprints, 16th Conf. on Severe Local Storms, Kananaskis Park, Alberta, 22-26 October, 1990, American Meteorological Society, MA 232-233.

1989

Conference Papers:

Intrieri, J.M., 1989: Density currents in the atmosphere as observed by the NOAA Doppler lidar. SPIE, 1062-1065.

1988 /1987

Conference Papers:

Intrieri, J.M., A.J. Bedard, Jr., R.M. Hardesty, 1988: Doppler lidar observations of colliding outflow boundaries. 15th Conference on Severe Local Storms, 22-26 February, 1988, Baltimore, MD, American Meteorological Society, Boston, MA, 249-252.

Bedard, A.J., Jr., J.M. Intrieri, and B.F. Weber, 1988: Measurements of small-scale phenomena during Mesogamma 86. 15th Conference on Severe Local Storms, 22-26 February, 1988, Baltimore, MD, American Meteorological Society, Boston, MA, 245-248.

R.M. Hardesty, R.E. Cupp, M.J. Post, T.R. Lawrence, J.M. Intrieri, and P.J. Neiman, 1988: A ground-based, injection-locked, pulsed TEA laser for atmospheric wind measurements. SPIE 89, 23-28.

Bedard, A.J., Jr., G.E. Greene, J.M. Intrieri, and R. Rodriguez, 1988: On the feasibility and value of detecting and characterizing avalanches remotely by monitoring radiated sub-audible atmospheric sound at long distances. Snow Engineering Conference, Santa Barbara, CA.

Conference Papers:

Bedard, A.J., Jr., J.M. Intrieri, G.E. Greene, 1987: Infrasound originating from regions of severe weather. 12th International Congress on Acoustics, 24-31 July 1986, Toronto, Canada, J25.