

## Carol M. Ciliberti

University of Utah  
Cooperative Institute for Regional Prediction  
Meteorology Department  
Salt Lake City, UT 84112  
Work Telephone (801) 585-1416

### Educational Background

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|--|--------------------|---------------------|
| Ph.D. in Meteorology in progress<br><i>29 Credit hours completed</i>                                       | University of Utah | Fall 1998 - Present |
| M.S. Meteorology<br>Thesis: <i>Sensitivity of the Utah Limited Area Model to Upper Boundary Conditions</i> | University of Utah | Spring, 1995        |
| B.S. Meteorology ( Summa Cum Laude)  | University of Utah | Spring 1992         |

### Honorary Societies and Awards

Member of the Kenccott Society of Scholars  
Recipient of the Kennecott Scholarship 1991, 1992  
Member of Student Advisory Committee, University of Utah 1992  
Recipient of Hazen H. Bedke Award, 1991, 1992  
professional member of the American Association of Avalanche Professionals (AAA)  
Member of the Utah Chapter of the American Meteorological Society (AMS)

### Work History

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|--|----------------|
| Research Associate, University of Utah Cooperative Institute for Regional Prediction | 1996 - Present |
| Avalanche Professional, Utah Avalanche Center, Salt Lake City, Utah                  | 1995 - Present |
| Research Assistant (M.S.), University of Utah Department of Meteorology              | 1992 - 1996    |
| Meteorological Technician, National Weather Service Western Region Headquarters      | 1990 - 1991    |
| Undergraduate Research Assistant, University of Utah Department of Meteorology       | 1989 - 1990    |
| Professional Ski Patrol/Avalanche Worker, Park West Ski Resort, Park City Utah       | 1984 - 1989    |
| Trail Crew/ Fire Crew, U.S. Forest Service Wasatch-Cache National Forest             | 1984 - 1988    |

### Research Activities

|  |             |
|--|-------------|
| Weather Forecaster for the Vertical Transport and Mixing Experiment (VTMX) | Fall 2000   |
| Weather Forecaster for the Intermountain Precipitation Experiment (IPEX)   | Winter 2000 |
| Technical Support Peter Sinks Experiment (PSX)                             | Fall 1999   |
| 2002 Winter Olympic Weather Support (near real time data analysis)         | Present     |
| High resolution data assimilation over complex terrain                     | Present     |

### Publications in Review

Lazarus, S. M., C. C. M. Ciliberti, and J. D. Horel: Near-real time applications of a mesoscale analysis system to complex terrain. Submitted to *Weather and Forecasting*.

## Conference Papers:

Horel, J. D., C. M. Ciliberti, and S. M. Lazarus, 2001: Data assimilation over the Western United States. Preprints, 5th Symposium on Integrated Observing Systems, Albuquerque, New Mexico, Amer. Met. Soc., Jan 14-19.

Ciliberti, C. M., J. D. Horel, and S. M. Lazarus, 2000: Sensitivity experiments with a high resolution data assimilation scheme. Preprints, 9th Conference on Mountain Meteorology, Aspen Colorado, Amer. Met. Soc., 413-416.

S. M. Lazarus, C. M. Ciliberti, and J. D. Horel, 2000: Wind analysis in complex terrain. Preprints, 9th Conference on Mountain Meteorology, Aspen Colorado, Amer. Met. Soc., 282-283.

Ciliberti, C.M., J. D. Horel, and S. M. Lazarus, 1999: An analysis of a cold frontal passage over complex terrain in northwest Utah. Preprints, 8th Conference on Mesoscale Processes, Boulder Colorado, Amer. Met. Soc., 459-462.

## General Collaborators, University of Utah

University of Utah:

J. D. Horel, Professor of Meteorology. Fellow, NOAA Cooperative Institute for Regional Prediction

W. J. Steenburgh, Associate Professor of Meteorology. Fellow, NOAA Cooperative Institute for Regional Prediction

D. J. Onton, Research Associate

M. Splitt, Research Associate

L. Holland, Graduate Research Assistant

C. Clements, Graduate Research Assistant

Florida Institute of Technology:

S. M. Lazarus, Assistant Professor of Meteorology

## Graduate Advisors

J. D. Horel                      University of Utah

J. Paegle                        University of Utah