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Education

1988 B.S. Chemistry, University of Illinois.

1990 M.S. Atmospheric Sciences, University of Illinois.

Thesis: *The Parameterization of Heat Transport by Transient Eddies.*

Advisor: Dr. John Walsh.

Professional Experience

Apr. 2007 – Present: Associate Scientist III,
NOAA-CIRES Climate Diagnostics Center, University of Colorado.

Jun. 1999 – Present: Research Analyst,
Department of Atmospheric Sciences, University of Illinois.

Feb. 1991 – Feb. 2002: Associate Scientist III,
NOAA-CIRES Climate Diagnostics Center, University of Colorado.

Feb. 1990 – Jan. 1991: Meteorologist Intern,
Fort Wayne WSO, National Weather Service.

Publications

Deser, C., M. A. Alexander, and M. S. Timlin, 1996: Upper ocean thermal variations in the North Pacific during 1970-1991. *J. Climate*, **9**, 1840-1855.

Deser, C. and M. S. Timlin, 1997: Extratropical atmosphere-ocean interaction on weekly time scales. *J. Climate*, **10**, 393-408.

Wolter, K., and M. S. Timlin, 1998: Measuring the strength of ENSO - how does 1997/98 rank? *Weather*, **53**, 315-324.

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- Timlin, M. S., M. A. Alexander, and C. Deser, 2002: On the reemergence of North Atlantic SST anomalies. *J. Climate*, **15**, 2707-2712.
- Deser, C., M. A. Alexander, and M. S. Timlin, 2003: On the persistence of sea surface temperature anomalies in midlatitudes. *J. Climate*, **16**, 57-72.
- Walsh, J. E., and M. S. Timlin, 2003: Northern hemisphere sea ice simulations by global climate models. *Polar Research*, **22**, 75-82.
- Alexander, M. A., U. S. Bhatt, J. E. Walsh, M. S. Timlin, J. S. Miller, and J. D. Scott, 2004: The atmospheric response to realistic Arctic sea ice anomalies in an AGCM during winter. *J. Climate*, **17**, 890-905.
- McFarquhar, G. M., M. S. Timlin, R. M. Rauber, B. F. Jewett, J. A. Grim, D. P. Jorgensen, 2007: Vertical variability of cloud hydrometeors in the stratiform region of mesoscale convective systems and bow echoes. *Mon. Wea. Rev.*, **135**, 3405-3428.
- Timlin, M. S., J. E. Walsh, 2007: Historical and projected distributions of daily temperature and pressure in the Arctic. *Arctic*, **60**, 389-400.
- Bhatt, U. S., M. A. Alexander, C. Deser, J. E. Walsh, J. S. Miller, M. S. Timlin, J. D. Scott, and R. A. Tomas, 2008: The atmospheric response to realistic realistic summer Arctic sea ice anomalies. In prep.
- Smith, A. M., G. M. McFarquhar, R. M. Rauber, J. A. Grim, M. S. Timlin, B. F. Jewett, D. P. Jorgensen, 2008: Microphysical and thermodynamic structure and evolution of the trailing stratiform regions of mesoscale convective systems during BAMEX: Part I: Observations. In prep.

Conference Presentations

- Timlin, M., C. Deser, and M. Alexander, 1994: Upper ocean thermal changes in the North Pacific during 1970-1992. *Proc. of the 19th Climate Diagnostics Workshop*, College Park, Maryland, November 1994, 338-341.
- Timlin, M. S., M. A. Alexander, and C. Deser, 1996: The re-emergence of midlatitude SST anomalies. *Proc. of the 21st Climate Diagnostics and Prediction Workshop*, Huntsville, Alabama, October 1996, 154-156.
- Timlin, M. S., M. A. Alexander, and C. Deser, 1999: Re-emergence of SST anomalies in the North Atlantic Ocean. *Eighth Conference on Climate Variations*, Denver, Colorado, September 1999, 126-128.
- Timlin, M. S., M. A. Alexander, and C. Deser, 1999: Re-emergence of midlatitude SST anomalies. *Department of Atmospheric Sciences seminar series*, University of Illinois, Urbana, Illinois, October 1999.

