Jamie Scott

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Education

MS, Atmospheric Sciences, *Colorado State University*, 1994. GPA 3.9/4.0. Advisor: Steven A. Rutledge
Thesis title: Doppler Radar Observations of an Asymmetric MCS and Associated Vortex Couplet.
BS, Meteorology, *University of Wisconsin-Madison*, 1991. GPA 3.6/4.0. Graduated with distinction.

Experience

- Associate Scientist III, *NOAA/CIRES/ESRL Physical Sciences Division* (10/94 to present)
- Research Assistant, *Colorado State University* (8/92-10/94)
- Forecaster, *Weather Central, Inc.* (8/91-8/92)
- Upper Air Operator: Lake Michigan Ozone Study, *Sonoma Technology, Inc.* (6/91-8/91)

Current Responsibilities

- Modification and Management of Atmospheric General Circulation Model (AGCM) Code.
- Execution and Quality Control of AGCM Experiments.
- Computation of Climate Statistics from Computer Model Output and Observations.
- Quality Control and Data Management of Statistical Products Derived from Model Output and Observations.
- Generation and Management of FORTRAN Code for Statistical Analyses.
- Development and Implementation of Techniques to Present Research Products and Results to the Scientific Community.
- Member of Computer Users' Advisory Committee for PSD.

Research Interests

- Ocean-Atmosphere Interaction
- Interannual Climate Variability
- Numerical Modeling
- Ensemble Forecasting
- Short-term Atmospheric Variability in Middle Lattitudes
- Remote Sensing

Programming Skills

- Fortran 77/90 IMSL/NAG/LaPack
- Perl/tcsh/sh
- GrADS/NCL
- UNIX/Solaris/MacOSX/Windows

Graphics/Visualization

- GrADS/NCL
- Imagemagic/Ghostscript
- MS Word/Powerpoint/Excel
- Adobe Ilustrator/Photoshop/Framemaker/Acrobat
- html/cgi/css

Data Formats

- Grib
- netCDF/HDF
- binary (big Endian, little Endian, sequential or direct access)

Refereed Publications

Alexander, M. A., N.-C. Lau, and J. D. Scott, 2004: Broadening the atmospheric bridge paradigm: ENSO teleconnections to the North Pacific in summer and to the tropical west Pacific-Indian Oceans over the seasonal cycle. *Earth Climate: The Ocean-Atmosphere Interaction*. , eds. C. Wang, S.-P. Xie and J. Carton. AGU Monograph. pp. 85-104.

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.

Alexander, M. A. and J. D. Scott, 2002: The influence of ENSO on air-sea interaction in the Atlantic. *Geophys. Res. Lett.*, **29 (14)**, 10.1029/2001GL014347.

Alexander, M. A., I. Blade, M. Newman, J. R. Lanzante, N.-C. Lau, and J. D. Scott, 2002: The Atmospheric Bridge: the Influence of ENSO Teleconnections on Air-Sea Interaction Over the Global Oceans. *J. Climate*, **15**, 2205-2231.

Alexander, M. A., M. S. Timlin, and J. D. Scott, 2001: Winter-to-Winter recurrence of sea surface temperature, salinity and mixed layer depth anomalies. *Progress in Oceanography*, **49**, 41-61.

Alexander, M. A., J. D. Scott, and C. Deser, 2000: Processes that influence sea surface temperature and ocean mixed layer depth variability in a coupled model. *J. Geophys. Res. - Oceans*, **105**, 16, 823-842.

Newman, M., M. A. Alexander, C. R. Winkler, J. D. Scott, and J. J. Barsugli, 2000: A linear diagnosis of the coupled extratropical Ocean-Atmosphere system in the GFDL GCM. *Atmospheric Sciences Letters*, **1**.

Scott, J. D. and M. A. Alexander, 1999: Net shortwave fluxes over the ocean. *J. Phys. Oceanogr.*, **29**, 3167-3174.

Alexander, M. A., and J. D. Scott, 1997: Surface Flux Variability over the North Pacific and North Atlantic Oceans. *J. Climate*, **10**, 2963-2978.

Scott, J. D., M. A. Alexander, J. A. Collins, and C. A. Smith, 1997. Interactive Visualization of Climate Data on the WWW. *Bull. Amer. Meteor. Soc.*, **78**, 1985-1989.

Scott, J. D., and S.A. Rutledge, 1995: Doppler Radar Observations of an Asymmetric Mesoscale Convective System and Associated Vortex Couplet. *Mon. Wea. Rev*, **123**, 3437-3457.

Other Publications

Alexander, M. A. and J. D. Scott, 1995: Atlas of Climatology and Variability in the GFDL R30S14 GCM. U.S. Government Printing Office: 1996-774-842.

Collins, J. A., J. D. Scott, C.A. Smith, and M. A. Alexander, cited 1996: The GFDL R30S14 Reanalysis Electronic Atlas. [Available on-line from http://www.cdc.noaa.gov/gfdl/]