

JEREMIAH BROWN

NorthWest Research Associates, Colorado Research Associates Division
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EDUCATION

Doctor of Philosophy in Geophysical Fluid Dynamics 2009

Florida State University, Tallahassee, FL

Dissertation: Wavelets-Based Analysis of Variability in the Air-Sea Fluxes

Coursework: Wavelets, Statistical Analysis, Geophysical Fluid Dynamics, Atmospheric Dynamics, Oceanography, Air-Sea Interaction, Numerical Modeling

Master of Science in Mechanical Engineering 2002

Purdue University, West Lafayette, IN

Thesis: Information Synthesis with Applications to Electromechanical Systems

Coursework: Digital Signal Processing, Stochastic Processes, Digital and Multivariable Control, Dynamic Systems Analysis, Nonlinear System Analysis

Bachelor of Science in Mechanical Engineering 1999

Texas A&M University, College Station, TX

RESEARCH POSITIONS

Research Scientist 2011-Present

NorthWest Research Associates, Colorado Research Associated Division, Boulder, CO

Post Doctoral Research Associate 2009-2011

NorthWest Research Associates, Colorado Research Associates Division, Boulder, CO

Provide graphics and statistical analyses in support as a co-investigator. Manage and analyze large observation data sets. Statistical modeling and analysis of atmosphere dynamics, and ocean dynamics and biology.

Graduate Research Assistant 2004-2009

Florida State University, Tallahassee, FL

Developed a series of Matlab tools for statistical analyses including wavelets and EOFs. Created a Matlab-based, flux-model GUI. Worked with NASA scientists to compare flux data in the Mediterranean Sea. Statistical analysis of air-sea interaction for the MJO and the Indian Ocean dipole.

PROFESSIONAL EXPERIENCE

The MathWorks, Natick, MA 2003-2004

Software Quality Engineer

Whirlpool Corporation, Benton Harbor, MI Summer 1999

Controls Engineer in Research and Development

Lockheed Martin, Dallas, TX 1997-1998

Mechanical Design Engineer

REFEREED PUBLICATIONS

Brown, J. and J. Fiechter, 2011. Covariability of ocean physics and biology during seasonal eddies in the Coastal Gulf of Alaska. *Dynamics of Atmospheres and Oceans*, *in review*.