

Gregory R. Foltz
Curriculum Vitae

Professional Experience

- 2006–present Research Scientist
 Joint Institute for the Study of the Atmosphere and Ocean (JISAO)
 University of Washington, Seattle, Washington
- 2003-2006 National Research Council postdoctoral fellow
 Pacific Marine Environmental Laboratory, Seattle, Washington

Education

- 2003 University of Maryland, Ph.D., Meteorology
 Dissertation title: “Tropical Atlantic Seasonal Variability”
- 1999 Colby College, B.A., Physics, magna cum laude

Refereed Publications

- Vialard, J., G. R. Foltz, M. J. McPhaden, J. P. Duvel, and C. de Boyer Montégut, 2008: Strong Indian Ocean sea surface temperature signals associated with the Madden-Julian oscillation in late 2007 and early 2008, *Geophys. Res. Lett.*, submitted.
- Foltz, G. R., and M. J. McPhaden, 2008: Trends in Saharan dust and tropical Atlantic climate during 1980-2006, *Geophys. Res. Lett.*, in revision.
- Foltz, G. R., and M. J. McPhaden, 2008: Impact of barrier layer thickness on SST in the central tropical North Atlantic, *J. Climate*, in press.
- Foltz, G. R., and M. J. McPhaden, 2008: Impact of Saharan dust on tropical North Atlantic SST, *J. Climate*, in press.
- Foltz, G. R., and M. J. McPhaden, 2008: Seasonal mixed layer salinity balance of the tropical North Atlantic Ocean, *J. Geophys. Res.*, *113*, C02013, doi:10.1029/2007JC004178.
- Foltz, G. R., and M. J. McPhaden, 2006: The role of oceanic heat advection in the evolution of tropical North and South Atlantic SST anomalies, *J. Climate*, *19*, 6122–6138.
- Foltz, G. R., and M. J. McPhaden, 2006: Unusually warm sea surface temperatures in the tropical North Atlantic during 2005, *Geophys. Res. Lett.*, *33*, L19703, doi:10.1029/2006GL027394.
- Foltz, G. R., and M. J. McPhaden, 2005: Mixed layer heat balance on intraseasonal time scales in the northwestern tropical Atlantic Ocean, *J. Climate*, *18*, 4168–4184.
- Foltz, G. R., and M. J. McPhaden, 2004: The 30–70 day oscillations in the tropical Atlantic, *Geophys. Res. Lett.*, *31*, L15205, doi:10.1029/2004GL020023.
- Foltz, G. R., S. A. Grodsky, J. A. Carton, and M. J. McPhaden, 2004: Seasonal salt budget of the northwestern tropical Atlantic Ocean along 38°W, *J. Geophys. Res.*, *109*, C03052, doi:10.1029/2003JC002111.

- Foltz, G. R., J. A. Carton, and E. P. Chassignet, 2004: Tropical instability vortices in the Atlantic Ocean, *J. Geophys. Res.*, *109*, C03029, doi: 10.1029/2003JC001942.
- Foltz, G. R., S. A. Grodsky, J. A. Carton, and M. J. McPhaden, 2003: Seasonal mixed layer heat budget of the tropical Atlantic Ocean, *J. Geophys. Res.*, *108*, 3146, doi:10.1029/2002JC001584.

Other Publications

- Foltz, G. R., 2008: Equatorial Countercurrent; Thermocline, in Philander, S. G. (Editor-in-Chief), *Encyclopedia of Global Warming and Climate Change*, Sage, Thousand Oaks.
- Foltz, G. R., and J. A. Carton, 2003: Latent Heat, Fusion, and Evaporation; Sun, Radiant Energy of, in Nybakken, J. (Editor-in-Chief), *Encyclopedia of Oceanography and Marine Science*, Fitzroy-Dearborn, New York.

Manuscript reviewer: *Journal of Climate*, *Journal of Geophysical Research–Oceans*, *Journal of Physical Oceanography*, *Geophysical Research Letters*, *Tellus A: Dynamic Meteorology and Oceanography*, *Climate Dynamics*, *Atmospheric Research*, *Theoretical and Applied Climatology*