

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

- Bingham, F.M., G.R. Foltz, M.J. McPhaden, and T. Suga, 2009: Seasonal cycles of mixed layer salinity and evaporation minus precipitation in the Pacific Ocean. *Ocean Science*, submitted.
- Foltz, G.R., J. Vialard, P. Kumar B., and M.J. McPhaden, 2009: Seasonal mixed layer heat balance of the southwestern tropical Indian Ocean. *J. Climate*, in press.
- McPhaden, M.J., G.R. Foltz, T. Lee, V.S.N. Murty, M. Ravichandran, G.A. Vecchi, J. Vialard, J.D. Wiggert, and L. Yu, 2009: Ocean-atmosphere interactions during cyclone Nargis. *Eos, Trans. Amer. Geophys. Union*, **88**, 53–55.
- Foltz, G.R., and M.J. McPhaden, 2009: Impact of barrier layer thickness on SST in the central tropical North Atlantic. *J. Climate*, **22**, 285–299.
- Foltz, G.R., and M.J. McPhaden, 2008: Trends in Saharan dust and tropical Atlantic climate during 1980-2006, *Geophys. Res. Lett.* **35**, L20706, doi:10.1029/2008GL035042.
- Vialard, J., G.R. Foltz, M.J. McPhaden, J.P. Duvel, and C. de Boyer Montgut, 2008: Strong Indian Ocean sea surface temperature signals associated with the Madden-Julian oscillation in late 2007 and early 2008. *Geophys. Res. Lett.*, **35**, L19608, doi:10.1029/2008GL035238.
- Foltz, G. R., and M. J. McPhaden, 2008: Impact of Saharan dust on tropical North Atlantic SST, *J. Climate*. **21**, 5048–5060.
- 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* (6)
Journal of Geophysical Research–Oceans (4)
Geophysical Research Letters (3)
Journal of Physical Oceanography (1)
Tellus A: Dynamic Meteorology and Oceanography (1)
Climate Dynamics (1)
Atmospheric Research (1)
Theoretical and Applied Climatology (1)
Ocean Modelling (1)

Proposal reviewer:

- NSF (2)

Memberships/service

- Member, AGU
Invited speaker, Physical Oceanography Dissertation Symposium, 2003
Scientist, Tropical Atmosphere Ocean cruise, 10 Sep – 10 Oct 2009

