



THE FLORIDA STATE UNIVERSITY  
Center for Ocean-Atmospheric Prediction Studies  
*N e w s*



Fall 2013



Donate

Left: The 2013 annual COAPS group photo. Taken September 20 at the COAPS Welcome Reception.



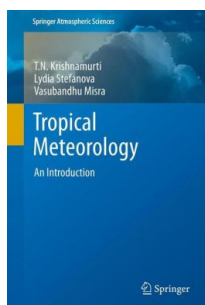
### A Multi-disciplinary Assessment of the Southeastern United States Climate

This special issue of the Regional Environmental Change journal was organized by [Dr. Vasu Misra](#) through the [Florida Climate Institute](#), the [Southeast Climate Consortium](#), and other interdisciplinary groups. [More...](#)



### Human Influence on Climate Clear, IPCC Report Says

Human influence on the climate system is clear. This is evident in most regions of the globe, a new assessment by the [Intergovernmental Panel on Climate Change](#) (IPCC) concludes. [More...](#)



### Tropical Meteorology: An Introduction

This new book published by Springer is co-authored by COAPS Drs. [Vasu Misra](#) and [Lydia Stefanova](#). The lead author is Dr. T.N. Krishnamurti of FSU's [Department of Earth, Ocean and Atmospheric Science](#). The book is designed as an introductory course for graduate and advanced level undergraduate students. [More...](#)



### Flexible Internship Program a Perfect Match for Science Learners and Leaders

Scientists studying the impact of oil in the Gulf of Mexico perform experiments on everything from sand to water to sea life. This year one group of researchers from the [Deep-C Consortium](#) extended their experimental spirit to that old university standby, the internship. [More...](#)



### COAPS Office Relocation

COAPS has moved! Our office has relocated to FSU's Research Building A at 2000 Levy Avenue in Innovation Park to better accommodate our growing reserach group. You can find us on the second floor in suite 292. [Visitor information...](#)

### New Funding to Study Gulf of Mexico Currents

Drs. [Steve Morey](#), [Dmitry Dukhovskoy](#), and [Eric Chassignet](#) are part of a team that will be funded by the [Research Partnership for Securing Energy for America](#) to conduct research entitled "*Hi-Res Environmental Data for Enhanced Ultra-Deep Water Operations and Safety.*" The collaborators include Fugro GEOS, WeatherPredict, and Petrobras America, Inc. The project will involve observation and modeling of deep and surface currents in the Gulf of Mexico with emphasis on forcing by winter storms and hurricanes.



### Love the Gulf Campaign

The [Deep-C Consortium](#) has started a "Love the Gulf" campaign to help generate support for an appreciation of the Gulf of Mexico. Graphics for stickers, posters, and more can be downloaded [here](#).

### Supplemental Funding for Marine Data Center

New supplemental funding for a National Science Foundation "Rolling Deck to Repository" grant will allow marine data center personnel at COAPS to contribute to the [Ocean Data Interoperability Platform](#) (ODIP) project. ODIP will aid in the removal of barriers hindering the effective sharing of data across scientific domains and international boundaries. The new funding will provide workforce training and international liaison experience to two students at FSU. The students will be part of a team of student programmers led by [Shawn Smith](#) who, along with their mentors at FSU, Scripps Institution of Oceanography, the Woods Hole Oceanographic Institution, and the Lamont Doherty Earth Observatory, will develop new computer techniques to facilitate the exchange of information between the [SAMOS](#) project at COAPS and data centers in the US, EU, and Australia.

## Honors



### Kyle Ahern Receives Meteorology Award

Kyle Ahern, a new COAPS graduate student, has been awarded the Father James B. Macelwane Award by the American Meteorological Society for his outstanding senior honors project: "*Analysis of Convective Transport of Biomass Burning Emissions in Southeast Asia.*" [More...](#)



### Robbie Nedbor-Gross Completes MS in Meteorology

The title of his masters project is "*Investigation of the relationship between the Yucatan Channel transport and the Loop Current area in a multi-decadal numerical simulation*" At COAPS, Robbie worked under the direction of Drs. Eric Chassignet and Mark Bourassa.



### James Duncan Completes MS in Meteorology

The title of his thesis is "Atmospheric power-law behavior with respect to daily maximum and minimum temperatures across the Southeastern United States." At COAPS, James worked under the guidance of Dr. Philip Sura.

## Events

### [St. Marks Stone Crab Festival](#)

Sat., 10/26/13, 10a-6p



### Michael Lowry Receives Reubin O'D. Askew Young Alumni Award

Michael is the hurricane specialist and storm surge expert for The Weather Channel. At COAPS, he worked under the guidance of Dr. James O'Brien.



### Dr. O'Brien Lectures in Mexico

[Dr. James J. O'Brien](#) presented an invited lecture at Ciclo de conferencias Panorama Actual de las Ciencias Ambientales 2013 in Centro de Ciencias de la Atmósfera, UNAM, Mexico City in July. The talk was entitled "*The New Ocean Knowledge to help Agriculture make Decisions.*" He is an Emeritus Professor of Meteorology and Oceanography and does his research at COAPS.

St. Marks, FL

### [Science Cafe: Oil Analysis and Oil Spills](#)

Tue., 11/5/13, 6:15-7:30p  
Backwoods Bistro Tallahassee, FL

### [Creatures of the Deep Screening](#)

Mon., 12/2/13, 7-9p  
FSU Student Life Cinema Tallahassee, FL

### [Science Cafe: Gulf of Mexico Research](#)

Tue., 12/3/13, 6:15-7:30p  
Backwoods Bistro Tallahassee, FL

[Full Events List](#)

## Photos



Jim O'Brien, Michael Lowry, Melissa Griffin, and Bryan Norcross at an FSU alumni award ceremony.



Deep-C/COAPS personnel picked up trash as part of International Coastal Cleanup Day.



Students said farewell to recent graduate Aaron Paget (left) with hand-made bowties.



Summer intern Becca Keenan (left) conducted public opinion surveys about the Gulf of Mexico.

## Publications

COAPS authors are in bold.

**Gilford, D. M.** , **S. R. Smith**, **M. L. Griffin**, and A. Arguez (2013), [Southeastern United States daily temperature ranges associated with the El Nino Southern Oscillation](#), *Journal of Applied Meteorology and Climatology*, doi:10.1175/JAMC-D-12-0273.1.

Kanamitsu, M., E. Yulaeva, **H. Li**, S.-Y. Hong (2013), [Catalina eddy as revealed by the historical downscaling of reanalysis](#), *Asia-Pacific J. Atmos. Sci.*, 49(4) doi:10.1007/s13143-013-0042-x.

**Li, H.**, and **V. Misra** (2013), [Global Seasonal Climate Predictability in a Two Tiered Forecast System. Part II: Boreal Winter and Spring Seasons](#), *Climate Dynamics*, doi:10.1007/s00382-013-1813-x.

**Misra, V.**, and **S. DiNapoli** (2013), [The variability of the Southeast Asian summer monsoon](#), *International Journal of Climatology*, doi:10.1002/joc.3735.

**Misra, V.**, and **H. Li** (2013), [The seasonal predictability of the Asian summer monsoon in a two-tiered forecast system](#), *Clim. Dyn.*, doi:10.1007/s00382-013-1838-1.

Morey, S.L., and D.S. Dukhovskoy (2013), [A downscaling method for simulating deep current interactions with topography - Application to the Sigsbee Escarpment](#), *Ocean Modelling*, 69, 50-63, doi:10.1016/j.ocemod.2013.05.008.

Rudzin, J. E., S. L. Morey, M. A. Bourassa, and S. R. Smith (2013), [The influence of Loop Current position on winter sea surface temperatures in the Florida Straits](#), *Earth Interact.*, 17(16), 1-9, doi:10.1175/2013EI000521.1.

Vose, R. S. S. Applequist, M. A. Bourassa, S. C. Pryor, R. J. Barthelmie, B. Blanton, P. D. Bromirski, H. E. Brooks, A. T. DeGaetano, R. M. Dole, D. R. Easterling, R. E. Jensen, T. R. Karl, K. Klink, R. W. Katz, M. C. Kruk, K. E. Kunkel, M. C. MacCracken, T. C. Peterson, B. R. Thomas, X. L. Wang, J. E. Walsh, M. F. Wehner, D. J. Wuebbles, and R. S. Young (2013), [Monitoring and Understanding Changes in Extremes: Extratropical Storms, Winds, and Waves](#), *Bull. Amer. Meteor. Soc.*, doi:10.1175/BAMS-D-12-00162.1.

## About COAPS

The Florida State University [Center for Ocean-Atmospheric Prediction Studies \(COAPS\)](#) is a center of excellence performing interdisciplinary research in ocean-atmosphere-land-ice interactions to increase our understanding of the physical, social, and economic consequences of climate variability. COAPS scientists and students come from a wide range of disciplines, including meteorology, oceanography, statistics, and the computer and information sciences.

**Director:** [Dr. Eric Chassignet](#)  
**Website:** <http://coaps.fsu.edu>  
**Email:** [contact@coaps.fsu.edu](mailto:contact@coaps.fsu.edu)

**Newsletter Editor:** [Meredith Field](#)

 globe

