

## Recent and Upcoming Events

Cooperative Institute for Oceanographic Satellite Studies (CIOSS)

College of Oceanic & Atmospheric Sciences (COAS)

Oregon State University (OSU)

**July 2005:** CIOSS welcomed visiting scientists Dick Reynolds and Laury Miller to work with Dudley Chelton, Ted Strub, and other CIOSS fellows on specific research projects and to look more generally at how interactions with NOAA research scientists can be enhanced by visits—both short and long—to CIOSS. The reports from these visits will be posted on the CIOSS web site.

### **Four meetings/workshops were held in August and September in Corvallis:**

- CIOSS held the Ocean Color Climate Data Record (CDR) Workshop in Corvallis on **August 11 and 12**. The aim of the workshop was to gather participants, representing both users and producers of ocean color variables, to help define science applications and requirements, and identify ocean color CDRs in support of NOAA's mission. Presentations made at the meeting will be posted on the CIOSS web site.
- A meeting of the CIOSS Executive Board was held on **August 30 and 31**. In approximately one year, CIOSS will go through a review to determine if it will be renewed for a second five-year period. This meeting reviewed major activities at CIOSS and made recommendations to CIOSS and NOAA/NESDIS to help prepare more completely for the review a year from now. Those recommendations are summarized in a short meeting report that will be posted on the CIOSS web site when final.
- The COAST Meeting #3 was held **September 7 and 8** in Corvallis. The meeting objectives were to: review the status of HES procurement and HES-CW requirements; overview the Risk Reduction Proposal and Plans; initiate planning for risk reduction activities; and develop an initial plan for the September 2006 Monterey Bay experiment. Presentations made at the meeting will be posted on the CIOSS web site.
- A meeting of the CIOSS Working Groups was held **September 8 and 9** in Corvallis. The 4 working groups include Vector Winds, Dynamics, Products and Ecosystems (COAST). The goal of the meeting was to allow the working groups to meet and make progress on their specific action items. Summaries of the working group discussions will be posted on the CIOSS web site.

**September 12:** CIOSS Fellow Dudley Chelton attended the European Meteorological Society Meeting in Utrecht, The Netherlands and gave a presentation entitled "The Impact of Sea Surface Temperature Specification on Surface Winds in Numerical Weather Prediction and Climate Models".

**September 14-19:** CIOSS Fellow Dudley Chelton visited the Royal Netherlands Meteorological Institute in Utrecht, The Netherlands and gave a seminar entitled, "The Impact of Sea Surface Temperature Specification on Surface Winds in the ECMWF Operational Model". The same seminar was given September 16 at the European Centre for Medium-range Weather Forecasting in Reading, England and September 19 at the United Kingdom Meteorological Office in Exeter, England.

**September 16-17:** CIOSS Fellow Bob Miller participated in the eighth annual "Case Studies in Bayesian Statistics" workshop at Carnegie Mellon University. The series of workshops -- Case Studies in Bayesian Statistics at Carnegie Mellon University -- is unique in devoting an entire meeting to extended presentation and discussion of scientific investigations in which statisticians play central roles within integrated, cross-disciplinary teams. Bob was invited to present discussion of the case study:

"An Assessment of Climate Change in the Ocean, Mixed-Layer Depth, and Subjective Likelihood," by Ana Rappold, Michael Lavine and Susan Lozier. The paper and discussion will be published in the journal "Bayesian Analysis."

**September 27-30:** Several CIOSS Fellows and their colleagues attended and made presentations at the EPOC meeting held at Fallen Leaf Lake, California.

"Sea-surface temperature fronts in the California Current System: Observations from geostationary satellite," Renato M. Castelao, John A. Barth and Timothy P. Mavor.

"Summertime influence of Sea-Surface Temperature on the wind stress field over the California Current," Dudley Chelton.

"Monitoring the coastal ocean from geostationary orbit," Curtiss Davis.

"The microwave remote sensing of ocean surface wind speed and direction: Accomplishments, challenges and predictions," Michael H. Freilich.

"Integration of oceanographic information off the Oregon and Washington coasts into fisheries management: Can we define "Ocean Fish Habitats?" Maria Jose Juan Jorda and John A. Barth.

"Bioacoustical analysis of zooplankton distributions during mesoscale surveys in the northern California Current System," Stephen D. Pierce, John A. Barth, William T. Peterson, and Timothy J. Cowles.

"A high resolution scatterometer-based climatology of wind-stress and wind-stress curl over the California Current, 1999-2005," Craig M. Risien, Dudley B. Chelton and Michael H. Freilich.

"Satellite-derived climatology and interannual variability in surface ocean fields along the Pacific Northwest," Roberto Venegas and Ted Strub.

**Paper to appear in Geophysical Research Letters:**

"Error Estimates for Assimilation of Satellite Sea Surface Temperature Data in Ocean Climate Models," James G. Richman, Robert N. Miller and Yvette H. Spitz

**Paper submitted to Geophysical Research Letters:**

"Flow-topography interactions in the northern California Current System observed from geostationary satellite data," by Renato M. Castelao, John A. Barth and Timothy P. Mavor.