Recent and Upcoming Events
Cooperative Institute for Oceanographic Satellite Studies (CIOSS)
College of Oceanic & Atmospheric Sciences (COAS)
Oregon State University (OSU)

Past events

2004

September 29-30: Coastal Applications and Science Team (COAST) meeting #1, Corvallis, Oregon, hosted by CIOSS.
Meeting Objectives:

- Learn about GOES-R Project, HES studies, and threshold requirements and goals for imaging coastal waters.
- Learn about potential applications to be addressed by imaging coastal waters.
- Start addressing relationships between applications and requirements; are the threshold requirements adequate? How do we prioritize the goal requirements?
- Prepare outline of brochure; start drafting text and collecting illustrations.

October 14: CIOSS Fellow Dudley Chelton visited the Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University Fort Collins and presented the seminar "Global Evidence for Air-Sea Interaction from Satellite Observations and Operational Numerical Weather Prediction Models."

Abstract:
Satellite observations of surface wind stress and sea-surface temperature (SST) reveal a remarkably strong influence of SST on low-level winds throughout the world ocean wherever there are strong SST fronts. The same relationship is evident in the surface wind fields from the operational NCEP and ECMWF numerical weather prediction models, though with much weaker signatures than in the satellite observations. From a detailed analysis of ECMWF wind fields in the eastern tropical Pacific region, it becomes apparent that the under-representation of ocean-atmosphere coupling in the ECMWF model is attributable partly to under-representation of SST gradients in the surface boundary condition of the model, and partly to inadequacies in the ECMWF model (e.g., errors in the parameterization of vertical turbulent mixing or insufficient horizontal or vertical resolution in the model).

2005

January 24-25: Coastal Applications and Science Team (COAST) meeting #2, Portland, Oregon, hosted by CIOSS.
Meeting Objectives:

- Review HES-CW requirements; prioritize the goal requirements.
- Review the white paper and finalize it. Review the brochure and give direction so that it can be finalized.
- Review proposed GOES-R Risk Reduction activities. Edit the list and suggest other activities.
- Plan advocacy activities for the next 6 months.

January: The CIOSS Council of Fellows held a meeting in Corvallis where the Director, Ted Strub, presented a summary of activities of the previous year. The change in emphasis for research projects was described – concentrating on directed research projects that addressed CIOSS Themes, with funding for personnel other than post-docs. New proposals for research projects were solicited.

February 8-10: Satellite Measurements of Ocean Vector Winds: Present Capabilities and Future Trends workshop, Florida International University, Miami, hosted by CIOSS and the National Hurricane Center. The workshop brought together research and operational users to examine present and potential future missions and data sets related to near-surface ocean vector wind measurements. Participants established the measurement requirements for research and operational applications of satellite observations of ocean vector winds. Participants formulated and provided recommendations to NASA and NOAA regarding their development of future missions, new data products, and support for new scientific investigations. Powerpoint presentations and the agenda of the workshop can be found on the CIOSS web page (http://cioss.coas.oregonstate.edu/) under "Workshops/Miami (FL) Workshop on Ocean Winds, Feb 2005".

February: The "final" Five-Year Plan was sent to ORA/ORAD.

February: The 2 COAST workshops have resulted in recommendations for the sensor specifications, a white paper describing applications that will become possible due to data from this sensor, modifications to the GOES-R Risk Reduction Plan that address needs in the coastal ocean, and a brochure that can be used to educate members of the community about the benefits of a HES-CW sensor. The brochure is called Coastal Waters Imaging on GOES-R. It features Coastal Monitoring in the Next Generation of GOES, Satellite Imagery for Coastal Resource Management and efforts for the future. The plans for risk reduction for GOES-R ocean data products were presented by Curt Davis and Mark Abbott at the Annual GOES-R Risk Reduction meeting in Silver Spring, MD on February 22-23. The brochure and a powerpoint presentation summarizing the GOES-R HES-CW plans can be found on the CIOSS web page (http://cioss.coas.oregonstate.edu/) under "Workshops/Portland (OR) COAST GOES-R Workshop, Jan 2005".

February 22: CIOSS Administrative Specialist Janine Kobel accepted a new position at Oregon State University starting March 1.

March: The CIOSS Council met as a review panel and selected the proposed project to forward to Eric Bayler, which was approved with minor modifications. The CIOSS omnibus proposal for year 3 was then submitted on March 23.

March 28: The new CIOSS Administrative Specialist, Amy Vandehey, started in the CIOSS Office.

April 14-15: CIOSS and The Science and Math Investigative Learning Experience (SMILE) Program are collaborating on an oceanographic curriculum for 12 high school after-school clubs that meet throughout the school year. SMILE has held two teacher-training workshops on the Oregon State University campus to introduce teachers from SMILE's rural and minority school districts to oceanography, remote sensing, and mapping. The culmination of these after-school club meetings was the SMILE High School Challenge, a one-and-a-half-day event, during which SMILE high school club members, teachers, and volunteers convened at Western Oregon University and Oregon State University to play out a disaster scenario. This year's challenge was called, "Reaction, Action and Remediation of an Oil Spill".

April-May: CIOSS efforts are expanding within two NOAA initiatives: (1) The Research-to-Observations (R2O) project led by Stan Wilson (NESDIS); and (2) the GOES-R Risk Reduction (GOES-R3) research led by Paul Menzel (NESDIS).
Supplemental proposals have been submitted for four R2O projects concerning improved wind fields for operational use, specifications for ocean color Climate Data Records and evaluation of re-engineering plans for the next ocean color cal/val buoys. A supplemental proposal is being prepared by members of the COAST team for GOES-R3 projects, to be directed by Curt Davis in CIOSS and to include CIOSS Principal Investigators at OSU, NESDIS and other academic and federal institutes.

Looking ahead:

May 25-26: The first meeting of the Executive Board for CIOSS will be held in Corvallis. The Board will meet to review progress of CIOSS in its first two years, and to make suggestions of what needs to be changed or added before the major review about two years from now. The goal is to get a consensus on a fairly specific and realistic list of objectives and milestones to accomplish over the next two years.

June 2-3: Preparations are underway for the Cooperative Institute Directors' meeting in New York City, hosted by CREST. The Administrator's portion of this meeting was postponed to October 26 and 27, 2005 because of scheduling conflicts.

June: Curt Davis, Executive Scientist of the COAST project, will be joining COAS from NRL as a Senior Research Faculty, working with Ricardo Letelier and Mark Abbott.

Summer 2005: Three new post-docs will be starting this summer to work on projects that further the stated goals of CIOSS.

Summer 2005: CIOSS will welcome 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.