

## Recent and Upcoming Events

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

### Past events

CIOSS Fellow Alexander Ignatov presented two invited aerosol talks and published one peer-reviewed international aerosol paper. (Alexander Ignatov, NOAA/NESDIS/STAR/SO , 301-763-8053 ext.190)

"Aerosol retrievals over ocean from NOAA/AVHRR and Terra/Aqua MODIS," 19 April 2004, University of Maryland (UMD), Earth System Science Interdisciplinary Center (ESSIC).

"Empirical checks of NOAA-16/-17 and Terra/Aqua aerosols over ocean: Towards AVHRR-MODIS- VIIRS consistency and continuity," 18 May 2004, NASA/Goddard Space Flight Center.

International Aerosol Paper Appears in the Journal of the Atmospheric Sciences: "Inter-comparison of satellite retrieved aerosol optical depth over the ocean," 1 March 2004, 499-513. The paper is co-authored by 13 scientists from four countries (Norway, US, France, and Japan).

June 3-4: CIOSS Fellow Andrew Bennett hosted a modular ocean data assimilation workshop (Information Technology Research or ITR) in Corvallis, Oregon. Activity in this project is designed to rationalize software development in oceanography, specifically software that combines computer models of the ocean with observations of the ocean. Models that survive testing will have credibility for the analysis and forecasting of the state of the ocean, and for the design and assessment of observing systems. (Andrew Bennett, CIOSS, 541-737-9352)

June 6-10: CIOSS Fellow Michelle Wood served as discussion leader for the picophytoplankton ecology sessions at the first Gordon Research Conference on Marine Microbes in Roscoff, France. The topic of the conference was "Marine Picophytoplankton: from ecology to genomics." The complete conference program can be viewed at [http://www.sb-roscoff.fr/Phyto/Meeting\\_GRC\\_2004/](http://www.sb-roscoff.fr/Phyto/Meeting_GRC_2004/). (Michelle Wood, University of Oregon, 541-346-0454)

June 7-9: CIOSS Director Ted Strub, Administrative Specialist Janine Kobel, and Fiscal Services Manager attended the Third Annual NESDIS Cooperative Institute Directors' and Administrators' meetings hosted by the Cooperative Institute for Research in the Atmosphere (CIRA) in Fort Collins, Colorado. All Cooperative Institutes (CICS, CIMSS, CIOSS, CIRA, and CREST) were represented in both meetings. (Ted Strub, CIOSS, 541-737-3015; Janine Kobel, CIOSS, 541-737-9655)

June 10: Michael Behrenfeld of the Institute of Marine and Coastal Sciences, Rutgers University, presented a Biological Oceanography/CIOSS/Space Grant seminar on "Rates and Stocks in the Ocean Productivity Business." (Ricardo Letelier, CIOSS, 541-737-3890)

June 14: CIOSS Fellow Dawn Wright began hosting two undergraduate students, affiliated with the Native Americans in Marine and Space Sciences (NAMSS) and Indian Education Office, in her lab on summer internships related to CIOSS activities. Interns Craig Graham and Lisa Reily will be documenting and integrating new additions to the Oregon Coastal Atlas, including Landsat, MODIS, and AVHRR satellite imagery, as well as working with graduate student Peter Bower on setting up an Open GIS Consortium (OGC)-standard Web Map Service (WMS) interface to metadata served from the Atlas in its capacity as a node of the National Spatial Data Infrastructure. In addition, two more undergraduates will be sent to the NOAA Coastal Services Center in Charleston, SC to work on various GIS and remote sensing projects as paid interns. (Dawn Wright, CIOSS, 541-737-1229)

June 14-16: Mark Matheson represented CIOSS at the NOAA/NESDIS "Science Colloquium on Measuring and Modeling Aerosols" at the University of Maryland, Baltimore County, hosted by the Cooperative Remote Sensing Science and Technology center (CREST). Participants will include representatives from NESDIS and a number of its cooperative institutes: CIRA, CIMSS, CICS, CREST, and CIOSS. Mark will present findings from his work on the indirect effect of aerosols on the summertime marine stratus in the North Atlantic. (Mark Matheson, COAS, 541-737-5692; Jim Coakley, CIOSS, 541-737-5686)

### **Looking Ahead**

Aug 10-12: The first workshop for the high school teachers involved with the OSU Science and Math Investigative Learning Experience (SMILE) Program will tentatively be held. At this workshop, teachers will be trained in the use of curriculum material presently under development by SMILE, with CIOSS support. SMILE works with school districts in Oregon which have large proportions of students who are traditionally under-represented in universities, especially in math and science programs. CIOSS is funding the development of the curriculum material during the present year and is currently looking for funding to support the use of that material in the SMILE schools during the next two years (FY04-05 and FY05-06). (Melissa Feldberg, SMILE, 541-737-0533)

Aug 16-20: CIOSS Fellow and Atmospheric Scientist Eric Maloney will co-convene a special session, "The Madden-Julian Oscillation," at the 2004 AGU Western Pacific Geophysics Meeting in Honolulu, HI. The Madden-Julian Oscillation (MJO) is one of the most important modes of variability in the tropical atmosphere. Maloney and co-convenor Kenneth Sperber (Lawrence Livermore National Laboratory, Livermore, CA) will discuss recent developments in the study of the MJO. Emphasis will be placed on integrating observations, theories, and numerical simulations to advance understanding of the MJO. (Eric Maloney, CIOSS, 541-737-8033)

**(Updated item)**

Aug 17-20: Melissa Feldberg of the OSU Science and Math Investigative Learning Experience (SMILE) Program will attend the Annual Northwest Aquatic and Marine Educators (NAME) Conference in Olympia, Washington. Melissa will present a poster showcasing the collaboration between CIOSS and SMILE to bring ocean science to educationally disadvantaged students in Oregon. The NAME membership is made up of educators from Oregon, Washington, British Columbia, and Alaska. (Melissa Feldberg, SMILE, 541-737-0533)

Oct 14: CIOSS Fellow Dudley Chelton will visit the Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University Fort Collins and present the seminar "Global Evidence for Air-Sea Interaction from Satellite Observations and Operational Numerical Weather Prediction Models." (Dudley Chelton, CIOSS, 541-737-4017)

**(Updated item)**

Fall 2004 or winter 2005: A workshop on "Remote Sensing of Ocean Vector Winds" is being planned, to be held at Oregon State University, Corvallis, supported jointly by CIOSS, NESDIS, and NASA. (Michael Freilich, CIOSS, 541-737-2748; Dudley Chelton, CIOSS, 541-737-4017; Paul Chang, NOAA/NESDIS/ORAD, 301-763-8231 x167)