



Southern California Coastal Ocean Observing System

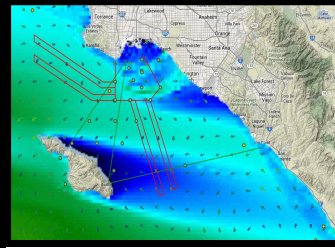
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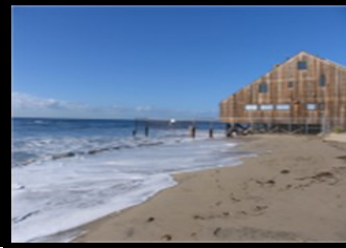
March Newsletter



Coastal Hazards



Maritime Operations



Climate & Ecosystems



Water Quality

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Date	Activity
February 6	Laura Lilly, Sea Grant Fellow, Progress Report to West Coast OOSes and WCGA
February 7	Meeting with Catalina Sea Ranch Regarding Data for Their Monitoring Program
February 11	ESRI Ocean GIS workshop
February 12	San Diego Airport Art Installation Meeting
February 13	Gerhard Kuska, MaraCOOS Executive Director, visits SIO
February 13	Meeting with Chris Lowe, Regarding a Southern California Acoustic Telemetry Network
February 18	SCCOOS Harmful Algal Bloom Meeting—improving data decimation
February 19	Southern California Beach Water Quality Workgroup Meeting
February 19	Hosted a visit with Deputy Director of the Institute of Physical Oceanography, Ocean College at Zhejiang University, in Hangzhou China
February 23-27	Attended Ocean Sciences 2014





Coming Soon... SCCOOS Near-Real Time Data in the SD Airport



San Diego International Airport has commissioned [Jason Bruges Studio](#) to create an exciting and innovative lounge for passengers as part of the airport's Terminal 2 expansion and ongoing arts program. The "AirSpace" or "New Media Lounge", due to be opened Summer 2014, will be designed to reflect the landscape, terrain, cliffs and coastal areas surrounding the airport. The studio is working closely with SCCOOS to use our near-real time data combined with biological data from Dept. of Fish & Wildlife, NOAA Southwest Fisheries Science Center, and Scripps institution of Oceanography to provide perspective on themes such as the environment and sustainability.

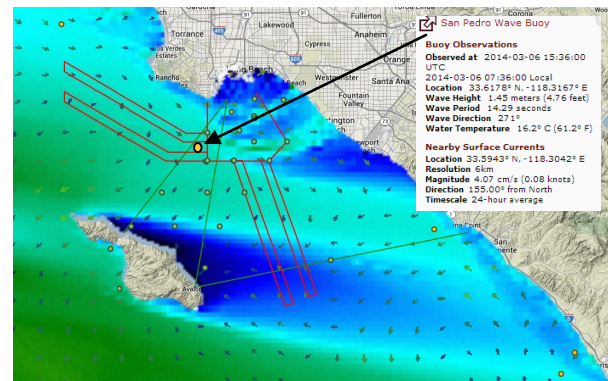
Program Profile: SCCOOS Harbors Product

When combined, the Port of Long Beach (LB) and the Port of Los Angeles (LA) are the 5th busiest ports in the world. Together these ports have the competitive edge with the record setting cargo operations, serving as the world's leading gateway for US-Asia trade. The largest challenge for the Ports are to assure that all commercial traffic, including cargo, fishing, Harbor Pilots, and recreational boaters transit to and from the harbor safely.

The cost to hold off a vessel offshore is greater than \$100,000 per day, therefore SCCOOS sends automated messages to Long Beach pilots if the 3 day forecast shows > 12 second waves. This is important for supertankers as they will start to pitch in longer period swell. Deep draft vessels run the risk of hitting the bottom.

A [customized website](#) was designed for LB/LA Harbor entrances to provide critical marine conditions necessary for the safe passage inbound and outbound from LB/LA. The site is used for maritime traffic for either near real-time decisions as to their immediate transit, or for planning purposes through available forecast information. This effort illustrates the functional application of integrating regional assets, and the value of leveraging existing observations, models, and data management to develop useful products that contribute to maritime transport and commerce.

This project was funded by NOAA in support of the establishment of the Integrated Ocean Observing System (IOOS). The regional component of IOOS is supported by linking observations, data management, and modeling to provide needed data and information to regional stakeholders.



The National Renewable Energy Laboratory (NREL) Post Doc Position



NREL is seeking to hire a post-doctoral researcher to help develop numerical modeling methods for simulating the performance of wave energy conversion devices. This position is intended to enhance NREL's wave energy modeling team in the areas of computational fluid dynamics, system dynamics, structural dynamics, and control systems. The post-doc will be responsible for developing, verifying and validating computer aided engineering tools, analyzing existing technologies, and helping to develop new and innovative ways to generate electricity from ocean waves. This post-doc will work with other NREL staff engineers, post-docs, scientists, NREL project partners, and sponsors to ensure timely completion of projects that meet milestones and deliverables. Strong analytic, programming, communication and interpersonal skills are required. For more information: http://www.nrel.gov/employment/job_openings.html