



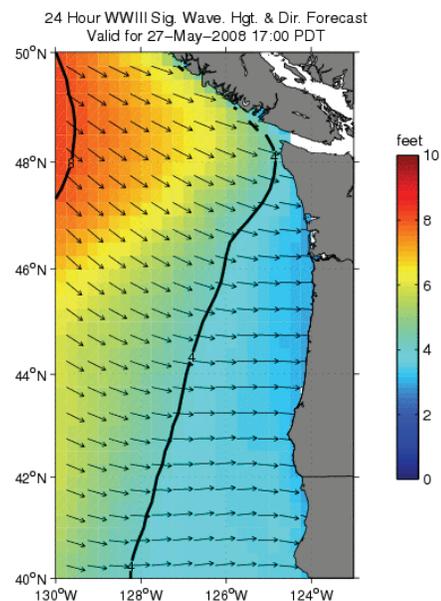
May 27, 2008

Dear Friends of OrCOOS,

OrCOOS, a subregional partner of NANOOS (Northwest Association of Networked Ocean Observing Systems; <http://www.nanoos.org>), which is moving forward with implementing a regional ocean observing system, has now been in existence for approximately two years and it continues to grow and evolve. We would therefore like to take this opportunity to update you with regard to some recent OrCOOS developments as well as what <http://www.orcoos.org> has to offer in terms of near real-time (NRT) ocean and atmosphere information and data.

The NANOOS/CMOP NH10 mooring was redeployed on April 10, 2008 (thank you to the NSF

STC for providing shiptime), after suffering significant damage in the December 3, 2007 storm. Plots showing wind speed and direction, surface and bottom temperature and salinity, dissolved oxygen as well as currents at five water depths, updated every 6 hours, are available at [orcoos.org](http://orcoos.org). The NH10 mooring is scheduled for turnaround in September 2008. We are presently working towards making data for all previous NH10 deployments available online. It is hoped that this project will be completed in the next one to two months. Plots showing NRT NDBC buoy data, such as significant wave height, updated



Wave Watch III significant wave height and direction forecast for May 27, 2008. Similar forecasts are now available at [orcoos.org](http://orcoos.org).

hourly, are also available. Also updated hourly are plots showing temperature, salinity and dissolved oxygen, as measured by the WET Labs LOBO System, for the Yaquina Bay estuary.

Furthermore, orcoos.org now provides NRT one, three and eight-day composite maps showing wind stress, derived from the QuikSCAT satellite, and sea surface temperature and chl-a derived from NOAA Polar Operational Environmental Satellites and the MODIS Aqua satellite, respectively.

In addition to providing plots of NRT observations off the Oregon coast, orcoos.org provides ROMS model nowcast and forecast fields, updated once per day at 12 pm, for sea surface temperature, bottom salinity (a proxy for dissolved oxygen), as well as sea surface and bottom currents. Also available at orcoos.org are Wave Watch III significant wave height and direction and wind speed and direction forecast fields. These fields, which are updated every 6 hours starting at 11 am, are available as 6, 12, 18, 24, 48, 72, and 96 hour forecasts.

Lastly, we are pleased to announce that orcoos.org will continue to act as a clearing house for information related to hypoxia research in Pacific Northwest waters for 2008.

As OrCOOS moves into its third year of operation we would like to take this opportunity to thank you for your support of ocean observing in general and OrCOOS in particular and we look forward to your continuing support in the coming years.

Regards,

Craig Risien, OrCOOS Coordinator