



## What's New Stories August 2009-August 2014

PMEL's website features a section where scientists and engineers highlight recent research findings, upcoming expeditions, important milestones, and technological innovations. The feature called ["What's New"](#) explores a timely topic in a short paragraph and provides a link for more information. Stories are updated on a bi-weekly basis. Below are the headlines for What's New stories posted since the inception of What's New in August, 2009 categorized by review theme.

### **CLIMATE THEME – most recent stories listed first**

PMEL-led Study Reveals Alaska Fisheries and Communities at Risk from Ocean Acidification  
PMEL and Partners Study Ocean Acidification in Prince William Sound  
PMEL Researchers Monitor Unusually Warm Surface Water in Northeast Pacific  
PMEL's Atmospheric Chemistry Group "Sweeps" the North Atlantic Ocean  
PMEL Contributes to NOAA Arctic Action Plan  
New Study Examines Links Between Sea Surface Carbon Pool and Sea Spray Aerosol  
New Study Links Frequency of El Ninos to Greenhouse Warming  
Polar Vortex Carries Cold Weather into Eastern United States  
2013 Arctic Report Card Released  
KEO Mooring Survives Three Typhoons in One Month  
2013 North Pole Web Cam Recovered  
PMEL Participates in IPCC 5th Assessment Report  
PMEL Provides Expertise for Development of Ocean pH Sensor  
Papa Mooring Central to Ocean Observatories Initiative Global Node  
PMEL Contributes to 2012 State of the Climate Report  
PMEL Leads West Coast Ocean Acidification Cruise  
Melt Ponds Widespread in Arctic Sea Ice  
PMEL Participating in NASA Project with New Mooring Technology  
PMEL Scientist Receives 2013 Georg Wust Prize  
New Research Predicts a Nearly Ice Free Summer Arctic Before 2050  
UW-PMEL Study Examines Freshening of Antarctic Bottom Water  
New Study Shows Strong El Nino Signal With Satellites  
PMEL Participates in Utah Air Quality Study  
PIRATA Array Monitors Tropical Atlantic Ocean  
Argo Float Makes One Millionth Profile  
2012 Arctic Report Card Breaks Records  
PMEL Helps Reconstruct the Historical Climate of the Arctic  
PMEL Led Study Describes Changing Arctic Winds  
PMEL Participates in Atlantic Ocean NASA Study  
PMEL Carbon Group Surveys U.S. West Coast  
Scientists Quantify Large Decrease in Antarctic Bottom Water

Oceanography Special Issue Highlights Over 20 Years of Research  
PMEL Participates in Collaborative Utah Air Pollution Study  
Argo Floats Provide Accurate Ocean Heating Baseline Data  
2011 Arctic Report Card Released  
PMEL Scientists Publish in Nature  
PMEL Contributes to Carbon Cycle Science Plan  
Scientists Participate in International DYNAMO Project  
Remotely Operated Aircraft Measure Arctic Soot  
New RAMA Site Marks 65% Completion of Array  
NOAA Updates Arctic Future Website  
PMEL Scientists Fly Over Arctic to Help Understand Black Carbon  
PMEL Carbon Group Launches New Website  
Recent Press Highlights Changes in Arctic Atmosphere Circulation  
New Ocean Climate Station Deployed Near South Africa  
Dr. Feely Receives Heinz Environmental Award  
Return to Previous Arctic Conditions Unlikely  
Scientists Find 20 Years of Deep Water Warming Leading to Sea Level Rise  
El Nino Intensity Increasing in the Central Equatorial Pacific  
PMEL Scientist Presides Over First Meeting as AGU President  
Carbon Dioxide Sensor Measures Emissions from the Seattle Space Needle  
Ocean Station Papa Being Deployed in Gulf of Alaska  
PMEL Scientists Describe Warming in the Ocean  
Dr. Michael McPhaden Awarded 2010 Fridtjof Nansen Medal  
NOAA Launches Arctic Future Website  
Study Reveals a Decadal Decline in Oceanic Dissolved Oxygen  
PMEL Scientists to Speak at International Climate Change Conference  
New Global Carbon Budget Published  
El Nino to Influence Winter Weather  
2009 Arctic Report Card Released  
Scientists Win Outstanding Paper Award  
PMEL Participates in Pacific Arctic Cruise

### **MARINE ECOSYSTEMS - most recent stories listed first**

PMEL Scientists and Engineers Head Back to Axial Seamount  
PMEL-led Study Reveals Alaska Fisheries and Communities at Risk from Ocean Acidification  
New Study Will Help Evaluate Hazard Potential of Submarine Eruptions  
PMEL Researchers Monitor Unusually Warm Surface Water in Northeast Pacific  
20 years of solitude – EcoFOCI's M2 mooring logs 7000 days in the Bering Sea  
Evidence Found That Ocean Acidification is Dissolving Pteropod Shells off U.S. West Coast  
EcoFOCI Contributes to New Understanding of Bering Sea Fisheries and Ecosystems  
Research Shows Carbon Dioxide in the Tropical Pacific Increasing Faster Than Expected  
PMEL and Partners Deploy First Ocean Acidification Mooring in the Indian Ocean

Scientists Hear Iceberg Break Apart in Southern Ocean  
PMEL Delivers Instruments for Cabled Observatory Program  
Scientists From the PMEL EcoFOCI Project Cruise the Gulf of Alaska  
Publication Documents First Evidence of Ocean Acidification Affecting Marine Organisms  
Scientists Return to West Mata Underwater Volcano Range  
PMEL Carbon Group Surveys U.S. West Coast  
NOAA Vents Scientists Discover Precursors to Undersea Eruption  
PMEL Contributes to New Bering Sea Research  
New Study Shows Direct Link Between Ocean Acidity and Oyster Larvae Mortality  
Oceanography Special Issue Highlights Over 20 Years of Research  
The Discovery of the West Mata Volcano  
NOAA Vents Paper on Cover of Nature Geoscience  
PMEL Wave Gliders Measure Carbon off U.S. West Coast  
Scientists Find Eruption at Undersea Volcano  
Carbon Group Embarks on Ocean Acidification Study  
PMEL Scientists Set Sail to Gulf of Alaska  
PMEL Scientists Hear Japan Earthquake  
PMEL Carbon Group Launches New Website  
PMEL Scientists to Monitor Ecosystem Changes in Chukchi Sea  
Scientists Explore the Deep Sea in Real-Time From Seattle  
PMEL Scientists Investigate Icy Bering Sea  
Scientists "Glide" Over Underwater Volcano  
Oceanography Special Issue on Mountains in the Sea  
Spring Mooring Cruise Underway in the Bering Sea  
Underwater Volcano Still Active After 7 Years  
PMEL Researches "Wind to Whales" in the Bering Sea  
Oceanography Magazine Focuses on Ocean Acidification  
Deep Sea Volcanic Eruption Caught on Video  
PMEL Scientists to Speak at International Climate Change Conference  
NOAA Vents Program Celebrates 25 Years

### **OCEANS AND COASTAL PROCESSES - most recent stories listed first**

PMEL Models April 1 Chilean Tsunami Event  
Large Atlantic Ocean Survey Completed  
PMEL Participates in Large Atlantic Ocean Survey  
PMEL Deploys Latest Tsunami Detection System  
New Study Shows Some Coastlines Face Double Whammy From Tsunamis  
PMEL Tsunami Scientists Model Recent Tsunami Event  
First Study to Estimate Total Tsunami Energy Published  
Nature Article Features PMEL Tsunami Research  
PMEL Scientists Model Japan Tsunami  
Magnitude 8.8 Earthquake Sends Tsunami Waves Across the Pacific Ocean

5th Anniversary of Indian Ocean Tsunami Marks Significant Progress  
NOAA Vents Program Celebrates 25 Years  
Tsunami Scientists Forecast Samoa Tsunami  
Scientists Forecast Indian Ocean Tsunami

**RESEARCH INNOVATION - most recent stories listed first**

*NOTE: Since Research Innovation supports all research themes the stories below are also listed above under their respective research themes (Climate, Marine Ecosystems, or Oceans and Coastal Processes)*

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PMEL and Partners Study Ocean Acidification in Prince William Sound  
PMEL Deploys Latest Tsunami Detection System  
PMEL Delivers Instruments for Cabled Observatory Program  
PMEL Participating in NASA Project with New Mooring Technology  
PMEL Participates in Atlantic Ocean NASA Study  
PMEL Carbon Group Surveys U.S. West Coast  
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