

# NOAA PISCES Cruise Leg4 Daily Report

Period covered: 2300 hrs 09/28/2010- 2300 hrs 09/29/2010

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## Vessel science party:

Name	Position	Email/Phone
David Valentine, Ph.D.	Chief Scientist	valentine@geol.ucsb.edu 805-729-5431
JP Walsh, Ph.D.	Sediment team lead	
David Finlayson, Ph.D.	Acoustic team lead	
Roberta Hansman, Ph.D.	CTD team lead	
Ken Feldman	Camera Sled	
Erik Quiroz	Chemistry Technician	
John Nugent	NRDA Rep	
Ahnnie Lee	Data Manager	
Kevin Mouyard	Water Sampler	
Whitney Williams	Water Sampler	
Mary White	Water Sampler	
Laughlin Sicheloff	Water Sampler	
David Newman	GCMS Tech	
Michelle Page	GCMS Tech	
Sam Waltman	Entrix Representative	
LT Liz Crapo	Blogger	

## Cruise notes:

## Daily Operations:

Data Collection	Collected (Y/N)?	Comment
CTD Casts	Y	
Fluorometry	Y	
Dissolved Oxygen	Y	
Methane	Y	
Sampling – TPH	Y	
Sampling – VOA	Y	
GCMS	N	
Coring	N	
GCMS	N	
Sampling – TPH	N	
Acoustics	Y	
Camera Tow	Y	
Other:		

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**Science results and preliminary interpretations:** (please attach any figures/images at end of document)

*CTD Sampling Stations: Fluorometry and Dissolved Oxygen preliminary results*

StationID	Comments
DW-02-PC	Shallow
DW-01-PC	Shallow
MW-03-PC	Shallow
MW-02-PC	Shallow
SW-68-PC	Shallow

*Core Sampling: Preliminary Appearance*

Station ID	Lat	Lon	Visible Oil	GCMS Sampling?

cbsf: centimeters below sea floor

## Acoustic Surveys

Conducted acoustic grid survey of seep area located SW of the Deepwater Horizon. Identified and mapped acoustic anomalies in 3 dimensions several hundred meters into the water column.

## Tow Sled

Successfully conducted tow sled operation NE of well head, collected over 1700 images of sea floor.

## Other Observations

## **Operational / Logistical issues:**

Near the completion of our acoustic survey we were informed of a new sampling directive whereby the Pisces would focus on CTD casts.

## **Planned activities for next 24 hours:**

CTD casts to the north of the well head, followed by CTD casts in the vicinity of the well head during daylight hours, and a camera tow operation in the night.

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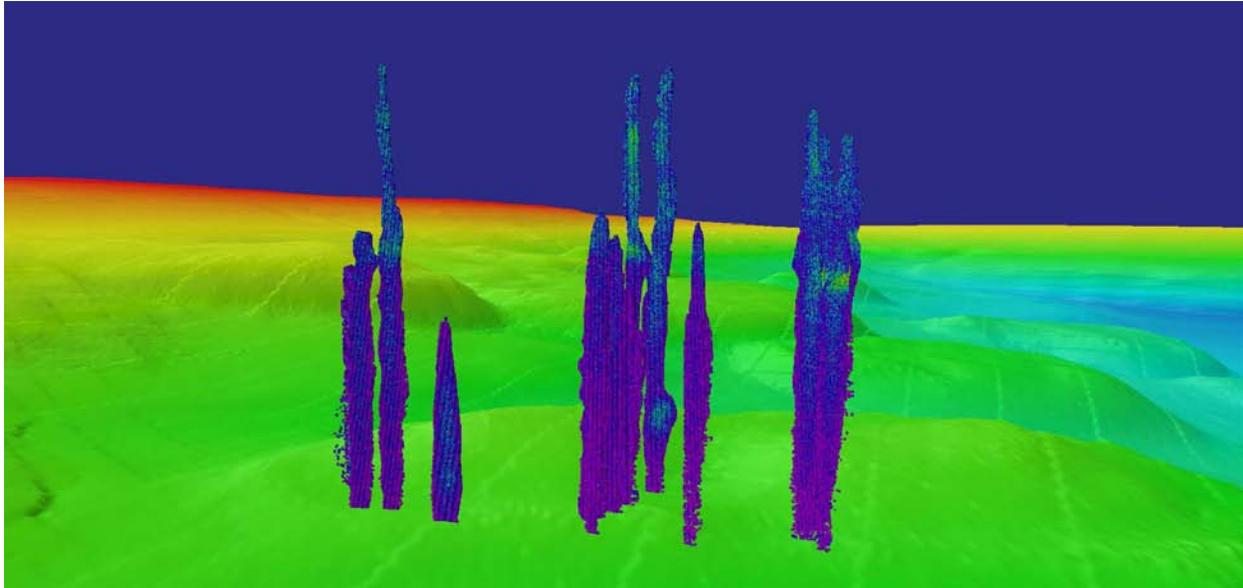


Figure 1: Acoustic map of putative seeps identified on 9/29/10 from the NOAA ship Pisces.