NOAA PISCES Cruise Leg4 Daily Report

Period covered: 2300 hrs 9/30/2010- 2300 hrs 10/1/2010

Vessel science party:

Name	Position	Email/Phone
David Valentine, Ph.D.	Chief Scientist	valentine@geol.ucsb.edu
JP Walsh, Ph.D.	Sediment team lead	805-729-5431
David Finlayson, Ph.D.	Accoustic 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 Siceloff	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	Y	
GCMS	Y	
Sampling – TPH	N	
Acoustics	N	
Camera Tow	Y	
Other:		

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-11-PC	Slight anomaly
DW-22-PC	Slight anomaly
DW-08-PC	Slight anomaly
DW-13-PC	Slight anomaly
DW-07-PC	Slight anomaly

Deep water sites continue to display minor aquatracka anomalies, and water samples are being collected at each site for hydrocarbon analysis.

Core Sampling: Preliminary Appearance

Station ID	Lat	Lon	Visible Oil	GCMS Sampling?	Comment
16	28.415560	-88.725590	?	Yes	Red surface layer on sediment.

cbsf: centimeters below sea floor

Acoustic Surveys

None conducted

Tow Sled

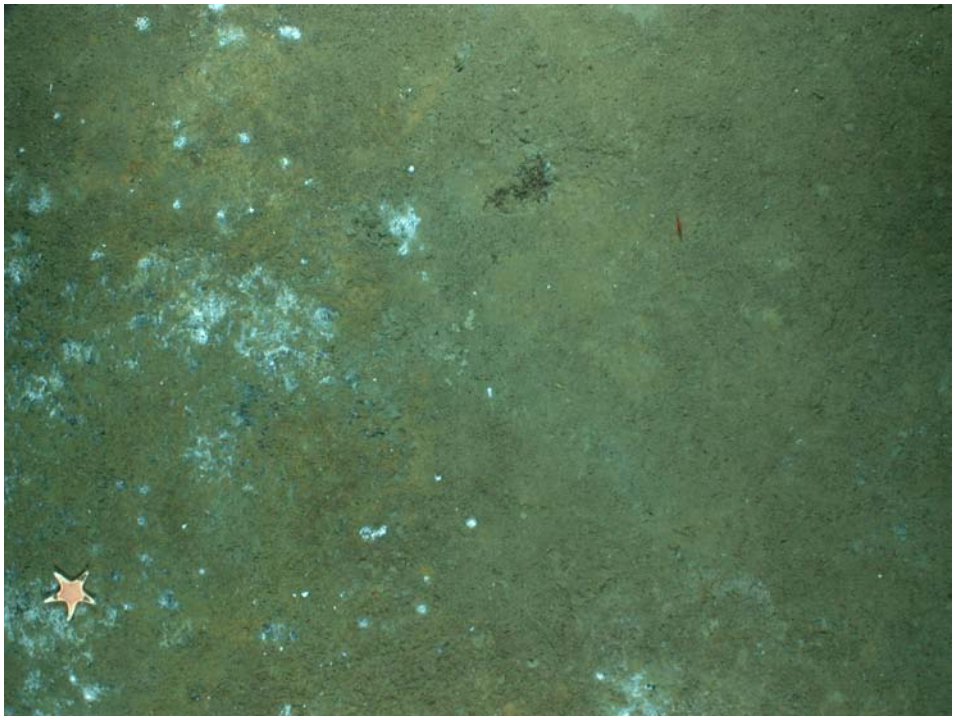
Tow sled operation conducted SW of well head. Identified two seep areas, collected ~1700 images.

Other Observations

Operational / Logistical issues:

Planned activities for next 24 hours:

We plan a camera tow overnight followed by CTD casts throughout the day on 10-2-10. Subsequent plans are under development. We prefer to stay in the vicinity of the well head to conduct seep acoustics and other operations, but will work toward shallow CTD sites as needed.



Chemosynthetic bacterial mats mark the location of a sea floor seep located ~13km to the SW of the well head.