


anCTD Cast Name	Cruise		CTD Number		Date	
	EX1104		CTD05		8/9/11	
Expedition Coordinator/ Science Team Lead	Kelley Elliott/Chris German					
General Area Descriptor	Cayman Islands					
Site Name	Da Bumps					
Type of CTD Operation	<input type="checkbox"/> Vertical Cast <input type="checkbox"/> Po-Go <input type="checkbox"/> Tow-Yo <input checked="" type="checkbox"/> Combination					
Target Position	18° 23.30'N		18° 23.81'N			
	081° 49.36'W		081° 49.35'W			
Deployment Time & Location	UTC Time	00:10				
	Latitude	18	°	23.31	'	N
	Longitude	81	°	49.35	'	W
Time & Location At Depth	UTC Time	00:50	Target Depth/Range		20 mab	
	Latitude	18	°	23.294	'	N
	Longitude	81	°	49.360	'	W
Recovery Time & Location	UTC Time	04:21	Maximum Depth (m)		2117	
	Latitude	18	°	22.661	'	N
	Longitude	81	°	48.881	'	W
CTD Sensor Data Acquired	<input checked="" type="checkbox"/> CTD <u>P 0905 T1 5001 T2 5017 C1 3449 C2 3451</u>					
	<input checked="" type="checkbox"/> ORP <u>08</u> Voltage Channel <u>05</u>					
	<input type="checkbox"/> LSS <u>12790</u> Voltage Channel <u>02</u> <input checked="" type="checkbox"/> LSS <u>12791</u> Voltage Channel <u>06</u>					
	<input type="checkbox"/> Dissolved Oxygen Voltage Channel <u> </u> <input checked="" type="checkbox"/> Altimeter Voltage Channel <u>00</u>					
	<input type="checkbox"/> Other (<i>specify</i>) <u> </u> Voltage Channel <u> </u> <u> </u> Voltage Channel <u> </u>					
Water Samples Collected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Number of Bottles Tripped: <u>20</u>					
Sample Processing	Sample Type(s): <u>Methane, TOC, Cell counts</u>					
	<input checked="" type="checkbox"/> Processed on board <input checked="" type="checkbox"/> Preserved <input checked="" type="checkbox"/> Chemicals <u>Formalin</u>					
	<input type="checkbox"/> None <input type="checkbox"/> Room Temp Storage <input type="checkbox"/> -80 Freezer <input checked="" type="checkbox"/> -20 Freezer <input checked="" type="checkbox"/> Refrigerator					
Data Archival	Tethys FTP site					

Equipment Malfunctions	None.
Special Notes	None.
Scientists Involved (name / location / affiliation / email)	cgerman@whoi.edu & cmcintyre@whoi.edu (WHOI) Sarah.A.Bennett@jpl.nasa.gov (NASA-JPL), J. Kinsey (WHOI)

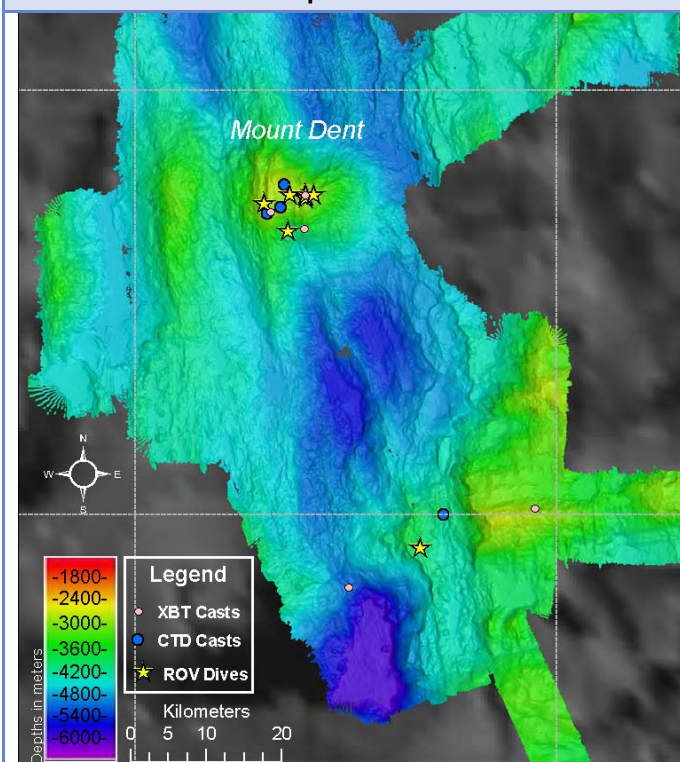
Purpose of the CTD operation: Prospecting for hydrothermal plumes near summit of Mt Dent.

Description of the Data/Results:

No in situ ORP or LSS anomalies observed.

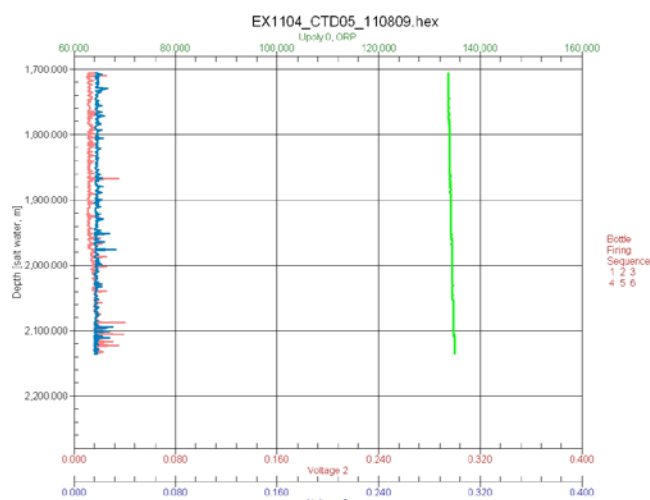
Shipboard methane showed above background concentrations at all three stations of PoGo. (Strongest at center).

Overall Map of CTD Cast Area



Overview of Cast site

Screen Grab of Data



SeaSave Data Acquisition Screen

Please direct inquiries to:

**NOAA Office of Ocean Exploration & Research
1315 East-West Highway (SSMC3 10th Floor)
Silver Spring, MD 20910
(301) 734-1014**