


anCTD Cast Name	Cruise		CTD Number		Date	
	EX1104		CTD06		8/13/11	
Expedition Coordinator/ Science Team Lead	Kelley Elliott/Chris German					
General Area Descriptor	Cayman Islands					
Site Name	Mt Hudson					
Type of CTD Operation	<input checked="" type="checkbox"/> Vertical Cast		<input type="checkbox"/> Po-Go			
	<input type="checkbox"/> Tow-Yo		<input type="checkbox"/> Combination			
Target Position	18° 00.00'N					
	081° 38.00'W					
Deployment Time & Location	UTC Time	0123				
	Latitude	17	°	59.994	'	N
	Longitude	81	°	37.992	'	W
Time & Location At Depth	UTC Time	0232	Target Depth/Range		20 mab	
	Latitude	17	°	59.995	'	N
	Longitude	81	°	37.991	'	W
Recovery Time & Location	UTC Time	0358	Maximum Depth (m)		3736	
	Latitude	17	°	59.996	'	N
	Longitude	81	°	37.990	'	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</u>					
	<input checked="" type="checkbox"/> Processed on board <input type="checkbox"/> Preserved <input type="checkbox"/> Chemicals <u> </u> <input checked="" type="checkbox"/> None <input type="checkbox"/> Room Temp Storage <input type="checkbox"/> -80 Freezer <input type="checkbox"/> -20 Freezer <input type="checkbox"/> Refrigerator					
Data Archival	Tethys FTP site					

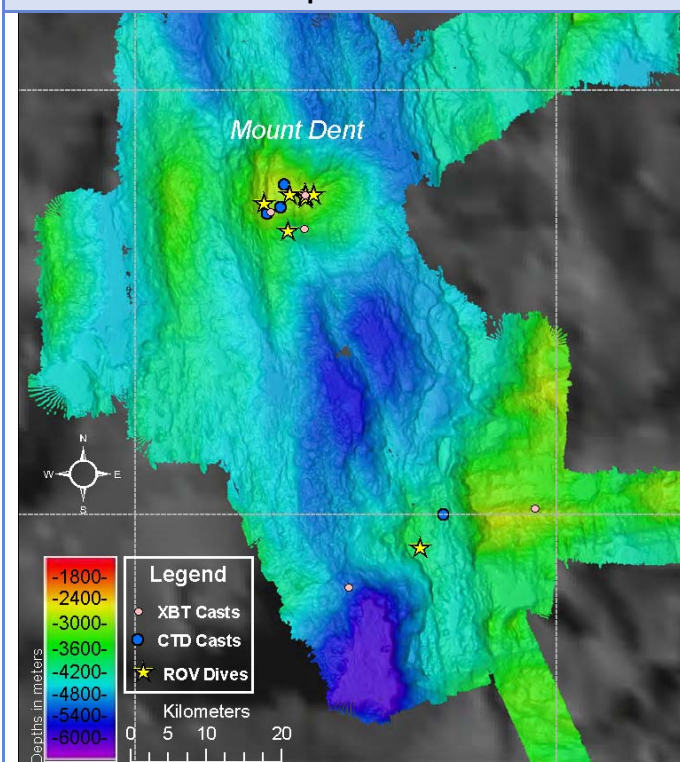
Equipment Malfunctions	None.
Special Notes	None.
Scientists Involved (name / location / affiliation / email)	cgerman@whoi.edu & cmcintyre@whoi.edu (WHOI)

Purpose of the CTD operation: Exploring for hydrothermal plume signals, SE of MCR

Description of the Data/Results:

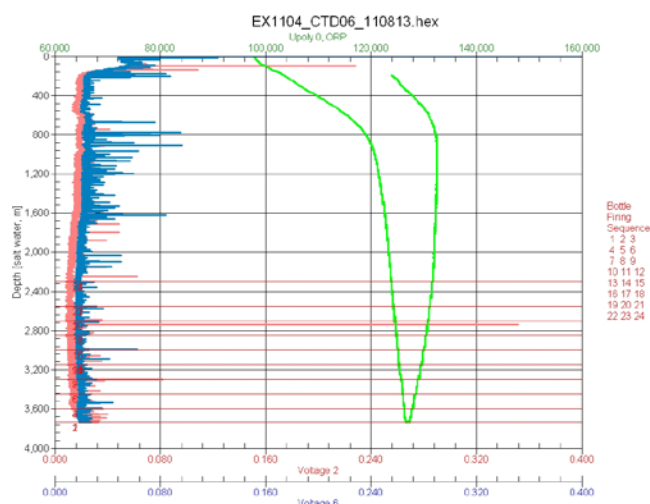
No plumes observed from in situ sensors.
All CH₄ samples yielded background values ($\leq 1\text{nM}$).

Overall Map of CTD Cast Area



Overview of Cast site

Screen Grab of Data



SeaSave Data Acquisition Screen

Please direct inquiries to:

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