

# EXPLORE


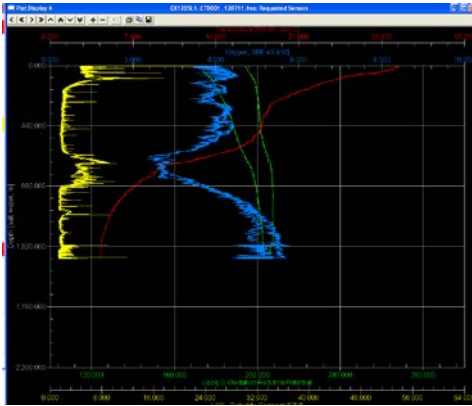


CTD Cast Name	Cruise	CTD Number		Date		
	EX1205L1	CTD001		7/12/2012		
Expedition Coordinator/ Science Team Lead	Kelley Elliott/Cindy Van Dover					
General Area Descriptor	Blake Ridge					
Site Name	Blake Ridge Diapir					
Type of CTD Operation	<input checked="" type="checkbox"/> Vertical Cast		<input type="checkbox"/> Po-Go			
	<input type="checkbox"/> Tow-Yo		<input type="checkbox"/> Combination			
Target Position	32° 29.453'N					
	76° 11.618'W					
Deployment Time & Location	UTC Time	22:08				
	Latitude	32	°	29.629	N	
	Longitude	76	°	11.892	W	
Time & Location At Depth	UTC Time	2246	Target Depth/Range		20 mab (2200m)	
	Latitude	32	°	29.639	N	
	Longitude	76	°	11.453	W	
Recovery Time & Location	UTC Time	0006	Maximum Depth (m)		1409	
	Latitude	32	°	29.603	N	
	Longitude	76	°	11.495	W	
CTD Sensor Data Acquired	<input checked="" type="checkbox"/> CTD <u>P 0906 T1 5023 T2 5026 C1 3455 C2 3456</u>					
	<input checked="" type="checkbox"/> ORP <u>07</u> Voltage Channel <u>05</u>					
	<input checked="" type="checkbox"/> LSS <u>12790</u> Voltage Channel <u>02</u> <input checked="" type="checkbox"/> LSS <u>12791</u> Voltage Channel <u>OFF</u>					
	<input checked="" type="checkbox"/> Dissolved Oxygen Voltage Channel <u>04</u> <input checked="" type="checkbox"/> Altimeter Voltage Channel <u>00</u>					
	<input type="checkbox"/> Other ( <i>specify</i> ) _____ Voltage Channel _____ Voltage Channel _____					
Water Samples Collected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      If Yes, Number of Bottles Tripped: _____					
Sample Processing	Sample Type(s): _____					
	<input type="checkbox"/> Processed on board <input type="checkbox"/> Preserved <input type="checkbox"/> Chemicals _____					
	<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					

<b>Data Archival</b>	Tethys FTP site
<b>Equipment Malfunctions</b>	Dissolved oxygen sensor not in line with other sensors – very jagged profile.
<b>Special Notes</b>	Extremely strong current – aborted cast at 1400m to reposition ship and attempt cast closet to target site.
<b>Scientists Involved</b> <i>(name / location / affiliation / email)</i>	Chris German (WHOI), <a href="mailto:cgerman@whoi.edu">cgerman@whoi.edu</a> Cindy Van Dover (Duke), <a href="mailto:clv3@duke.edu">clv3@duke.edu</a> Laura Brothers (USGS), <a href="mailto:lbrothers@usgs.gov">lbrothers@usgs.gov</a>

**Purpose of the CTD operation:** Acquire data over the Cape Fear Diapir

**Description of the Data/Results:**

<b>Overall Map of CTD Cast Area</b>	<b>Screen Grab of Data</b>
	
<i>Overview of Cast site</i>	<i>SeaSave Data Acquisition Screen</i>
<b>Please direct inquiries to:</b>	<b>NOAA Office of Ocean Exploration &amp; Research</b> <b>1315 East-West Highway (SSMC3 10th Floor)</b> <b>Silver Spring, MD 20910</b> <b>(301) 734-1014</b>