

EXPLORE



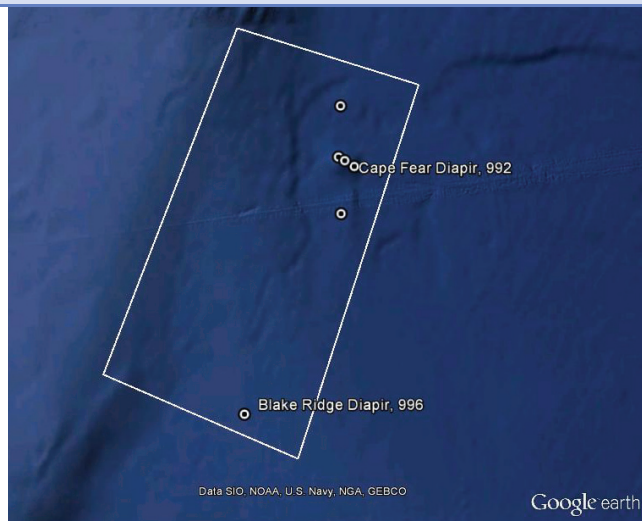
CTD Cast Name	Cruise	CTD Number		Date		
	EX1205L1	CTD003		7/22/2012		
Expedition Coordinator/ Science Team Lead	Kelley Elliott/Cindy Van Dover					
General Area Descriptor	Blake Ridge					
Site Name	Cape Fear Diapir					
Type of CTD Operation	<input checked="" type="checkbox"/> Vertical Cast	<input type="checkbox"/> Po-Go				
	<input type="checkbox"/> Tow-Yo	<input type="checkbox"/> Combination				
Target Position	32° 58.621'N					
	75° 55.434'W					
Deployment Time & Location	UTC Time	13:15				
	Latitude	32	°	58.489	'	N
	Longitude	76	°	5.560	'	W
Time & Location At Depth	UTC Time	14:03	Target Depth/Range		20mab	
	Latitude	32	°	58.503	'	N
	Longitude	76	°	55.577	'	W
Recovery Time & Location	UTC Time	15:10	Maximum Depth (m)		2584	
	Latitude	32	°	58.501	'	N
	Longitude	76	°	55.577	'	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					

Data Archival	Tethys FTP site
Equipment Malfunctions	Replaced dissolved oxygen sensor with spare and plumbed sensor in line with temperature conductivity and pump. Data was smooth for 200m, after 200m, possible short in instrument.
Special Notes	Minimal current compared to CTD001 and CTD002. CTD distance was <200m from the ship at 2500m wire out. Current direction was 045.
Scientists Involved <i>(name / location / affiliation / email)</i>	Chris German (WHOI), cgerman@whoi.edu Cindy Van Dover (Duke), clv3@duke.edu Laura Brothers (USGS), lbrothers@usgs.gov

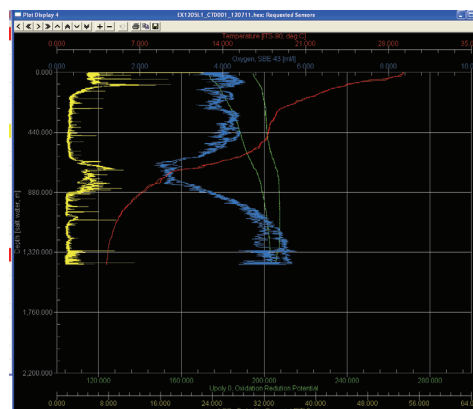
Purpose of the CTD operation: Acquire data over the Cape Fear Diapir

Description of the Data/Results:

Overall Map of CTD Cast Area	Screen Grab of Data
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Overview of Cast site



SeaSave Data Acquisition Screen

Please direct inquiries to:

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