

EXPLORE

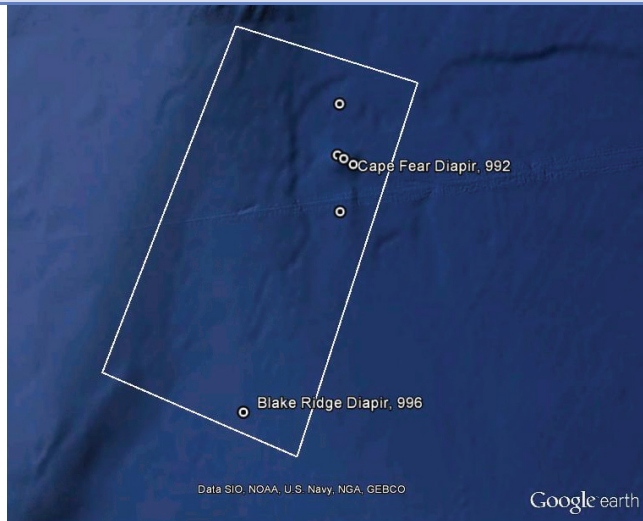
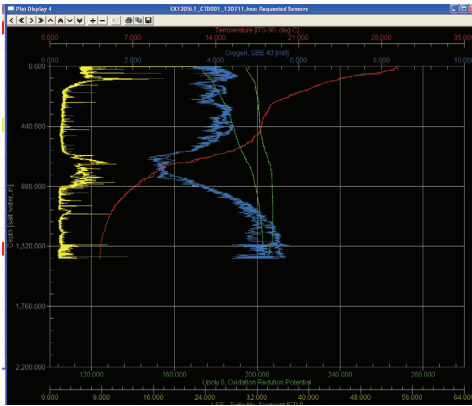


CTD Cast Name	Cruise	CTD Number		Date	
	EX1205L1	CTD002		7/13/2012	
Expedition Coordinator/ Science Team Lead	Kelley Elliott/Cindy Van Dover				
General Area Descriptor	Blake Ridge				
Site Name	Blake Ridge Diapir				
Type of CTD Operation	<input checked="" type="checkbox"/> Vertical Cast	<input type="checkbox"/> Po-Go			
	<input type="checkbox"/> Tow-Yo	<input type="checkbox"/> Combination			
Target Position	32° 28.900'N				
	76° 12.078'W				
Deployment Time & Location	UTC Time	01:07			
	Latitude	32	°	28.900	N
	Longitude	76	°	12.079	W
Time & Location At Depth	UTC Time	02:48	Target Depth/Range		20mab
	Latitude	32	°	29.014	N
	Longitude	76	°	12.005	W
Recovery Time & Location	UTC Time	03:29	Maximum Depth (m)		2142
	Latitude	32	°	29.032	N
	Longitude	76	°	11.994	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	Dissolved oxygen sensor not in line with other sensors – very jagged profile.
Special Notes	Extremely strong current - With 2400m wire out CTD was >500m from the ship with a 45° Wire angle during most of the cast.
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
	
<i>Overview of Cast site</i>	<i>SeaSave Data Acquisition Screen</i>
Please direct inquiries to:	NOAA Office of Ocean Exploration & Research 1315 East-West Highway (SSMC3 10th Floor) Silver Spring, MD 20910 (301) 734-1014