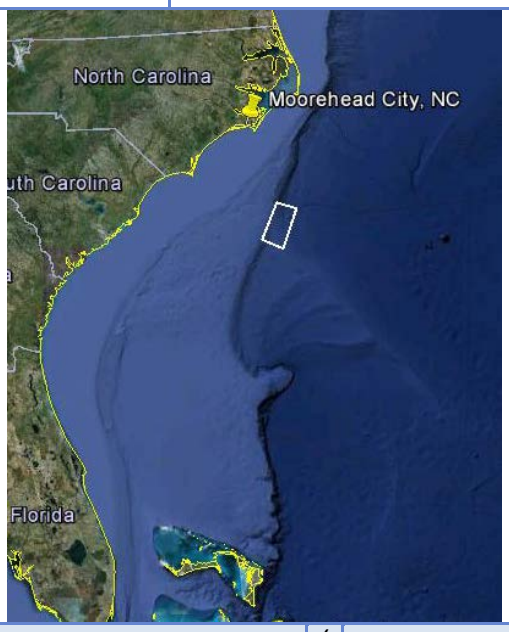
EXPLORE

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	☒ Vertical Cast ☐ Po-Go						
	☐ Tow-Yo ☐ Combination						
Target Position	32° 58.621'N						
	75° 55.434'W						
Deployment Time & Location	UTC Time	13:15					
	Latitude	32	º	58.489	'	N	
	Longitude	76	º	5.560	'	W	
Time & Location At Depth	UTC Time	14:03	Target Depth/Range	20mab			
	Latitude	32	º	58.503	'	N	
	Longitude	76	º	55.577	'	W	
Recovery Time & Location	UTC Time	15:10	Maximum Depth (m)	2584			
	Latitude	32	º	58.501	'	N	
	Longitude	76	º	55.577	'	W	

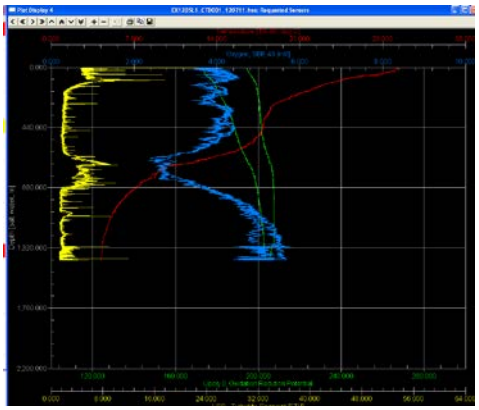


CTD Sensor Data Acquired	☒ CTD **P** 0906 **T1** 5023 **T2** 5026 **C1** 3455 **C2** 3456
	☒ ORP 07 Votage Channel 05
	☒ LSS 12790 Voltage Channel 02 ☒ LSS 12791 Voltage Channel OFF
	☒ Dissolved Oxygen Voltage Channel 04 ☒ Altimeter Voltage Channel 00
	☐ Other (*specify*) _____ Voltage Channel __ _____ Voltage Channel __
Water Samples Collected?	☐ Yes ☒ No If Yes, Number of Bottles Tripped: _____
Sample Processing	Sample Type(s): ___ _____
	☐ Processed on board ☐ Preserved ☐ Chemicals _____
	☒ None ☐ Room Temp Storage ☐ -80 Freezer ☐ -20 Freezer ☐ 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 *(name / location / affiliation / email)*	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
	
Overview of Cast site	*SeaSave Data Acquisition Screen*

Please direct inquiries to:

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