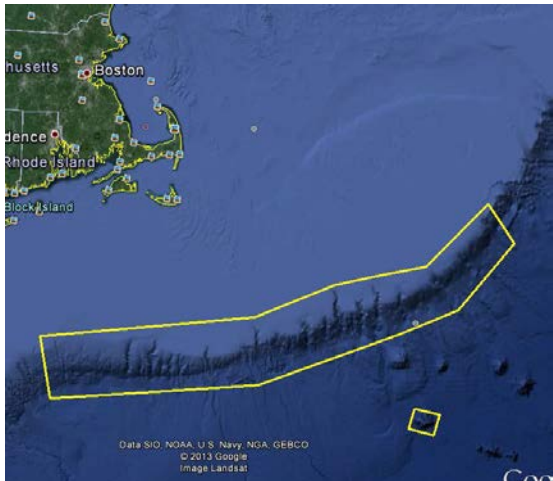


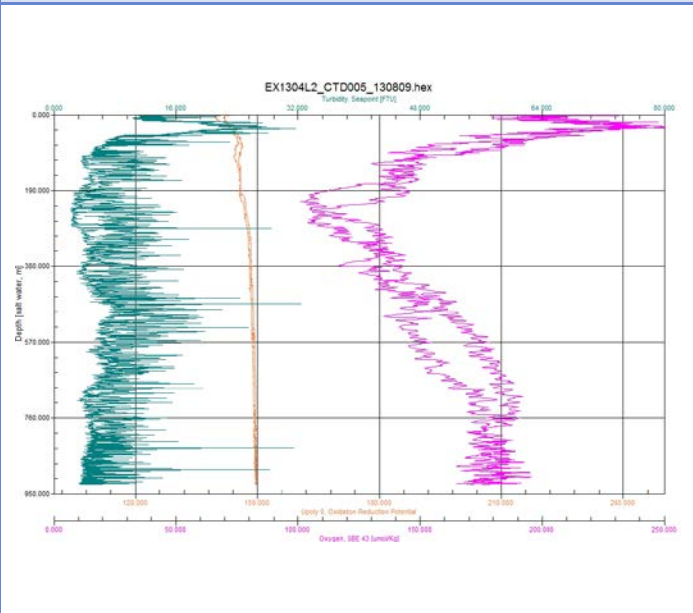
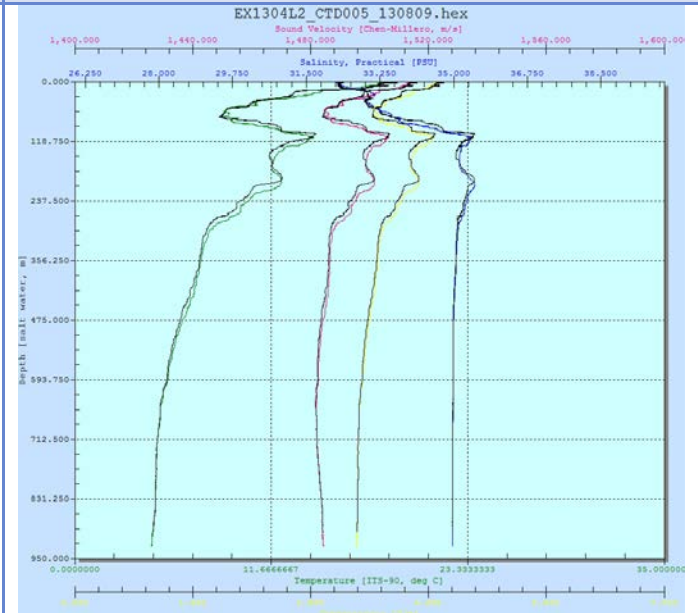
EXPLORE

| | | | | | | |
|--|--|------------|--------------------------------------|--|----------|--|
| CTD Cast Name | Cruise | CTD Number | | Date | | |
| | EX1304L2 | CTD005 | | 08/09/2013 | | |
| Expedition Coordinator/ Science Team Lead | Brian Kennedy/Amanda Demopoulos and Martha Niznski | | |  | | |
| General Area Descriptor | Northeast U.S. Canyons/ Northwest Atlantic Ocean | | | | | |
| Site Name | Heezen Canyon 1 | | | | | |
| 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 | 41 | 3.872N | | | | |
| | 66 | 23.274W | | | | |
| Deployment Time & Location | UTC Time | 22:08 | | | | |
| | Latitude | 41 | ° | 3.865 | N | |
| | Longitude | 66 | ° | 23.270 | W | |
| Time & Location At Depth | UTC Time | 22:30 | Target Depth/Range | | 925/6mob | |
| | Latitude | 41 | ° | 3.865 | N | |
| | Longitude | 66 | ° | 23.270 | W | |
| Recovery Time & Location | UTC Time | 22:53 | Maximum Depth (m) | | 931 | |
| | Latitude | 41 | ° | 3.866 | N | |
| | Longitude | 66 | ° | 23.270 | W | |
| CTD Sensor Data Acquired | <input checked="" type="checkbox"/> CTD <u>P 107068 T1 5023 T2 5026 C1 3455 C2 3456</u> | | | | | |
| | <input checked="" type="checkbox"/> ORP <u>07</u> Voltage Channel <u>07</u> | | | | | |
| | <input checked="" type="checkbox"/> LSS <u>12791</u> Voltage Channel <u>02</u> <input type="checkbox"/> LSS <u>12791</u> Voltage Channel <u>06</u> | | | | | |
| | <input checked="" type="checkbox"/> Dissolved Oxygen <u>2097</u> 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): _____ NMFS nutrient samples _____ | | | | | |
| | <input type="checkbox"/> Processed on board <input type="checkbox"/> Preserved <input type="checkbox"/> Chemicals _____ | | | | | |
| <input 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 and National Oceanographic Data Center (NODC) |
| Equipment Malfunctions | n/a |
| Special Notes | |
| Scientists Involved <i>(name / location / affiliation / email)</i> | Jon Hare, NMFS, jon.hare@noaa.gov Jerry Prezioso, NMFS, Jerry.Prezioso@noaa.gov |

Purpose of the CTD operation:

Description of the Data/Results:

| | |
|--|---|
| <p align="center">Overall Map of CTD Cast Area</p> | <p align="center">Screen Grab of Data</p> |
|  <p>The figure is a depth-time plot for CTD cast EX1304L2_CTD005_130809.hex. The vertical axis represents depth in meters, ranging from 0.000 to 950.000. The horizontal axis represents distance in meters, ranging from 0.000 to 250.000. Multiple colored tracks (green, orange, purple) show the depth profile of the CTD over time. The tracks show a descent from the surface to approximately 950 meters depth, with some horizontal segments indicating periods of station-keeping.</p> |  <p>The figure is a depth-time plot showing a screen grab of data for CTD cast EX1304L2_CTD005_130809.hex. The vertical axis represents depth in meters, ranging from 0.000 to 950.000. The horizontal axis represents time in seconds, ranging from 0.000000 to 99.000000. The plot displays multiple data series: Sound Velocity [Chen-Millero, m/s] at the top, Salinity, Practical [PSU] in the middle, and Temperature [ITS-90, deg C] at the bottom. The temperature series shows a clear thermocline, with values around 11.6°C near the surface and increasing to 23.333333°C at depth. The salinity series shows values between 35.000 and 35.250 PSU.</p> |
| <p align="center"><i>Overview of Cast site (southern end of box 1)</i></p> | <p align="center"><i>SeaSave Data Acquisition Screen</i></p> |

Please direct inquiries to:

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Silver Spring, MD 20910
(301) 734-1014**