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|--|--|--------|--------------------|--------|--|---|
| CTD Cast Name | Cruise | | CTD Number | | Date | |
| | EX1104 | | CTD01 | | 08/03/11 | |
| Expedition Coordinator/ Science Team Lead | Kelley Elliott/Chris German | | | | <p>NOAA SHIP OKEANOS EXPLORER EXPECTED TRACK Summer 2011</p> <p>A. Primary study area - Cayman Islands</p> | |
| General Area Descriptor | North of Panama | | | | | |
| Site Name | Caribbean | | | | | |
| Type of CTD Operation | <input checked="" type="checkbox"/> Vertical Cast | | | | | |
| | <input type="checkbox"/> Tow-Yo | | | | | |
| Target Position | >1000m | | Along transit | | | |
| | | | | | | |
| Deployment Time & Location | UTC Time | 1728 | | | | |
| | Latitude | 10 | ° | 55.428 | ' | N |
| | Longitude | 80 | ° | 11.910 | ' | W |
| Time & Location At Depth | UTC Time | 174839 | Target Depth/Range | | 1000 m | |
| | Latitude | 10 | ° | 55.807 | ' | N |
| | Longitude | 80 | ° | 11.995 | ' | W |
| Recovery Time & Location | UTC Time | 1825 | Maximum Depth (m) | | 1000 | |
| | Latitude | 10 | ° | 56.406 | ' | N |
| | Longitude | 80 | ° | 12.036 | ' | W |
| CTD Sensor Data Acquired | <input checked="" type="checkbox"/> CTD <u>P 0905 T1 5001 T2 5017 C1 3449 C2 3451</u> | | | | | |
| | <input checked="" type="checkbox"/> ORP <u>08</u> Voltage Channel <u>05</u> | | | | | |
| | <input type="checkbox"/> LSS <u>12790</u> Voltage Channel <u>02</u> <input checked="" type="checkbox"/> LSS <u>12791</u> Voltage Channel <u>06</u> | | | | | |
| | <input type="checkbox"/> Dissolved Oxygen Voltage Channel <u> </u> <input checked="" type="checkbox"/> Altimeter Voltage Channel <u>00</u> | | | | | |
| | <input type="checkbox"/> Other (<i>specify</i>) <u> </u> Voltage Channel <u> </u> <u> </u> Voltage Channel <u> </u> | | | | | |
| Water Samples Collected? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Number of Bottles Tripped: <u>20</u> | | | | | |
| Sample Processing | Sample Type(s): <u>Shipboard Dissolved Methane</u> | | | | | |
| | Method: <input checked="" type="checkbox"/> Processed on EX <input type="checkbox"/> Preserved, Chemicals used <u> </u> <input type="checkbox"/> None | | | | | |
| | Storage: <input checked="" type="checkbox"/> None <input type="checkbox"/> Room Temp Storage <input type="checkbox"/> -80 Freezer <input type="checkbox"/> -20 Freezer | | | | | |
| Data Archival | Tethys FTP site | | | | | |

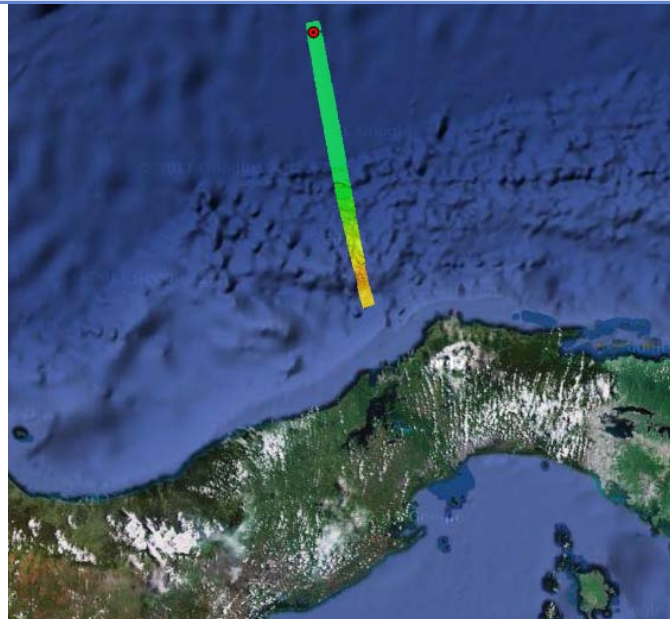
| | |
|---|---|
| Equipment Malfunctions | None. |
| Special Notes | None. |
| Scientists Involved (name / location / affiliation / email) | cgerman@whoi.edu & cmcintyre@whoi.edu (WHOI) Sarah.A.Bennett@jpl.nasa.gov (NASA-JPL), Sharon.I.Walker@noaa.gov & Edward.Baker@noaa.gov (NOAA-PMEL) |

Purpose of the CTD operation: 1) Collect water samples to test Gas Chromatograph operation on ship. 2) Acquire data to test shore-based processing pipeline at NASA-JPL.

Description of the Data/Results:

Vertical cast to 1000m. All real time data look good. Data processing pipeline ashore was tested and verified by science lead, back aboard ship. All niskin bottles fired correctly and yielded good samples for methane analysis.

Overall Map of CTD Cast Area



Overview of Cast site

Screen Grab of Data



SeaSave Data Acquisition Screen

Please direct inquiries to:

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