|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CTD Cast Name** | | Cruise | | | | | | CTD Number | | | Date | | | | | | |
|  | | EX1103 Leg 2 | | | | | | TOW01 | | | July 16 2011 | | | | | | |
| **Expedition Coordinator/**  **Science Team Lead** | | Jeremy Potter/Ed Baker, Sharon Walker | | | | | | | *\\Ex-ts3\visitorsdata\Libby_DO NOT DELETE\OverviewPictures\2011-06-21_232413.jpg(Map of general world region)* | | | | | | | | |
| **General Area Descriptor** | | Galapagos Rift | | | | | | |  | | | | | | | | |
| **Site Name** | |  | | | | | | |  | | | | | | | | |
| **Type of CTD Operation** | | Vertical Cast | | | | | | |  | | | | | | | | |
|  | | Tow-Yo | | | | | | |  | | | | | | | | |
| **Target Position** | |  | |  | | | | |  | | | | | | | | |
|  | |  | |  | | | | |  | | | | | | | | |
| **Deployment Time & Location** | | UTC Time | 02:42:14 | | | | | |  | | | | | | | | |
|  | | Latitude | 0 | | º | 44.21 | | | | | | | ‘ | | | N | | | |
|  | | Longitude | 88 | | º | 18.555 | | | | | | | ‘ | | | W | | | |
| **Time & Location**  **At Depth** | | UTC Time | - | | Target Depth/Range | | | | | 20 mab-120 mab | | | | | | | | |
|  | | Latitude | - | | º | | - | | | | | | | ‘ | | | N | |
|  | | Longitude | - | | º | | - | | | | | | | ‘ | | | W | |
| **Recovery Time & Location** | | UTC Time | 05:21:38 | | Maximum Depth (m) | | | | | - | | | | | | | | |
|  | | Latitude | 0 | | º | 44.141 | | | | | | ‘ | | | N | | | |
|  | | Longitude | 88 | | º | 17.386 | | | | | | ‘ | | | W | | | |
| **CTD Sensor**  **Data Acquired** | | CTD **P** 0905 **T1** 5001 **T2** 5017 **C1** 3449 **C2** 3451 | | | | | | | | | | | | | | | |
|  | | ORP 07 Votage Channel 02 | | | | | | | | | | | | | | | |
|  | | LSS 12790 Voltage Channel 04  LSS 12791 Voltage Channel 06 | | | | | | | | | | | | | | | |
|  | | Dissolved Oxygen Voltage Channel \_\_  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): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | |
|  | | Preserved Method:  Room Temp Storage  -80 Freezer  Chemicals | | | | | | | | | | | | | | | |
| **Data Archival** | | Tethys FTP site | | | | | | | | | | | | | | | | |
| **Equipment Malfunctions** | | Altimeter failed, V4 LSS failed at surface, ORP failed at 1000m | | | | | | | | | | | | | | | | |
| **Special Notes** | | Voltage 4 cable replaced with PMEL cable, Voltage 6 replaced with SBE cable. Altimeter charged, ORP and cable swapped | | | | | | | | | | | | | | | | |
| **Scientists Involved**  ***(name / location / affiliation / email)*** | | | *Ed Baker, ECC Seattle, PMEL, Edward.Baker@noaa.gov)*  *Sharon Walker, ECC Seattle, PMEL, Sharon.l.Walker@noaa.gov)* | | | | | | | | | | | | | | | | |

|  |  |
| --- | --- |
| **Purpose of the CTD operation:** Tow over Galapagos Rift | |
| **Description of the Data/Results:** | |
| (Science participants to fill this section in) | |
| **Overall Map of CTD Cast Area** | **Screen Grab of Data** |
| *(or other relevant image/map)* | *(or image of processed data)* |
| *Overview of Cast site* | *SeaSave Data Acquisition Screen* |
| **Please direct inquiries to:** | **NOAA Office of Ocean Exploration & Research 1315 East-West Highway (SSMC3 10th Floor)**  **Silver Spring, MD 20910**  **(301) 734-1014** |