Okeanos Explorer ROV Dive Summary

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| --- | --- | --- | --- | --- | --- | --- |
| **Site Name** | Asterias Seamount (Aborted) | | | |  | |
| **ROV Lead/Expedition Coordinator** | Todd Gregory/  Brian Kennedy | | | |  | |
| **Science Team Leads** | Scott France and Susan Schnur | | | |  | |
| **General Area Descriptor** | Northwest Atlantic Ocean;  Mid Atlantic U.S. Canyons | | | |  | |
| **ROV Dive Name** | Cruise Season | | Leg | | | Dive Number |
|  | EX1404 | | 3 | | | DIVE06 |
| **Equipment Deployed** | ROV: | | Deep Discoverer | | | |
|  | Camera Platform: | | Seirios | | | |
| **ROV Measurements** | CTD | | Depth | | | Altitude |
|  | Scanning Sonar | | USBL Position | | | Heading |
|  | Pitch | | Roll | | | HD Camera 1 |
|  | HD Camera 2 | | Low Res Cam 1 | | | Low Res Cam 2 |
|  | Low Res Cam 3 | | Low Res Cam 4 | | | Low Res Cam 2 |
| **Equipment Malfunctions** | none | | | | | |
| **ROV Dive Summary**  **(From processed ROV data)** | Complete data set not available due to aborted dive.  In water at: 38.9295N, -65.3482W | | | | | |
| **Special Notes** | The dive was aborted before the ROV reached the bottom due to weather. | | | | | |
| **Scientists Involved**  ***(please provide name / location / affiliation / email)*** | |  |  |  | | --- | --- | --- | | Peter Auster | UConn and SRF | peter.auster@uconn.edu | | Amy Baco-Taylor | Florida State University | abacotaylor@fsu.edu | | Tara Harmer Luke | The RIchard Stockton College of New Jersey | luket@stockton.edu | | Katie Musser | ULL | katie.musser@mail.wlc.edu | | Brendan Roark | Texas A&M University | broark@geos.tamu.edu | | Esprit Saucier | University of Louisiana at Lafayette | heestand.saucier@louisiana.edu | | Tim Shank | WHOI | tshank@whoi.edu | | Brad Stevens | Univ of MD Eastern Shore | bgstevens@umes.edu | | Michael Vecchione | NMFS Syatematics Lab | vecchiom@si.edu | | Les Watling | University of Hawaii at Manoa | watling@hawaii.edu | | Rhian Waller | University of Maine | rhian.waller@maine.edu | | Scott France | University of Louisiana at Lafayette | france@louisiana.edu | | Adam Boyette | NOAA NCDDC | adam.boyette@noaa.gov | | Susan Schnur | Oregan State University | sschnur@coas.oregonstate.edu | | Ellie Bors | WHOI | ekbors@gmail.com | | Emily Duwan | University of Connecticut | emilyduwan@gmail.com | | | | | | |
| **Purpose of the Dive**  To explore the biology and geomorphology of Asterias Seamount. | | | | | | |
| **Description of the Dive:** | | | | | | |
| The ROVs were deployed for the first ever exploration of Asterias Seamount. Once the ROV reached 2100 meters the decision was made to abort the dive due to deteriorating weather conditions. The ROV imaged numerous creatures in the water column during the dive but bottom contact was never made. | | | | | | |
| **Overall Map of ROV Dive Area** | | | | **Close-up Map of Main Dive Site** | | |
| **Not Available** | | | | **Not Available** | | |
|  | | | |  | | |
| **Representative Photos of the Dive** | | | | | | |
| **\\192.168.4.200\CruiseData\EX1404L3\Imagery\EX1404L3_DIVE06_20140926\EX1404L3_IMG_20140926T125454Z_ROVHD_DESCENT_SAL.jpg** | | | | \\192.168.4.200\CruiseData\EX1404L3\Imagery\EX1404L3_DIVE06_20140926\EX1404L3_IMG_20140926T131238Z_ROVHD_DESCENT_JFH_SHI.jpg | | |
| \\192.168.4.200\CruiseData\EX1404L3\Imagery\EX1404L3_DIVE06_20140926\EX1404L3_IMG_20140926T143350Z_CPHD_WATWER.jpg | | | | \\192.168.4.200\CruiseData\EX1404L3\Imagery\EX1404L3_DIVE06_20140926\EX1404L3_IMG_20140926T142017Z_ROVHD_WATER.jpg | | |
| **Please direct inquiries to:** | | NOAA Office of Ocean Exploration & Research 1315 East-West Highway (SSMC3 10th Floor)  Silver Spring, MD 20910  (301) 734-1014 | | | | |