Okeanos Explorer ROV Dive Form

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site Name | New Seamount then changed to “Plan B” | | | | | | | globe.png | | | | | | |
| ROV Lead | Dave Lovalvo | | | | | | |  | | | | | | |
| General Area Descriptor | Click here to enter text. | | | | | | |  | | | | | | |
| UTC Date & Time | Deployment | | 7/10/2010 1:30 AM | | | | |  | | | | | | |
|  | Recovery | | 7/10/2010 12:00 AM | | | | |  | | | | | | |
| Bottom Time  [HH:MM] | [07:00] approx. | | | | | | |  | | | | | | |
| Landing Time & Location | UTC Time | 03:39 | | | | | | | Depth [m] | | 2242 | | | |
|  | Latitude | 3 | | | º | 16.08 | | | | | | ‘ | | N |
|  | Longitude | 125 | | | º | 17.480 | | | | | | ‘ | | E |
| Off Bottom Time & Location | UTC Time | 06:37 | | | | | | | Depth [m] | | 2189 | | | |
|  | Latitude | 3 | | | º | 15.830 | | | | | | | ‘ | N |
|  | Longitude | 125 | | | º | 17.583 | | | | | | | ‘ | E |
| ROV Dive Name | Cruise Season | | | Leg | | | | | | Dive Number | | | | |
|  | EX1004 | | | LEG02 | | | | | | ROV10 | | | | |
| Equipment Deployed | ROV: | | | Little Hercules | | | | | | | | | | |
|  | Camera Platfom: | | | Phoenix Camera Platform | | | | | | | | | | |
| ROV Measurements | CTD | | | Depth | | | | | | Altitude | | | | |
|  | Scanning Sonar | | | USBL Position | | | | | | Heading | | | | |
|  | Pitch | | | Roll | | | | | | HD Camera | | | | |
|  | Low Res Cam 1 | | | Low Res Cam 2 | | | | | |  | | | | |
| Equipment Malfunctions | Click here to enter text. | | | | | | | | | | | | | |
| Special Notes | Click here to enter text. | | | | | | | | | | | | | |
| Scientists Involved  *(please provide name / location / affiliation / email)* | Jim Holden – Jakarta ECC/UMASS  Dave Butterfield – PMEL ECC/NOAA PMEL  John Sherrin – EX Control Room/U of Victoria  Xerandy – EX Control Room/Indonesia | | | | | | | | | | | | | |
| Purpose of the Dive: To explore Click here to enter text. | | | | | | | | | | | | | | |
| Description of the Dive: | | | | | | | | | | | | | | |
| Before launching the ROV on initial planned location, the bridge discovered that the dive area was located in an explosive ordinance zone. The dive location was moved to a ridge to the south that rose from the bottom to a depth of approximately 2240m. The crew launch the ROV for Dive 10 at 3º 16.0926'N 125º 17.454’E around 0845. There was almost no current at the bottom and the surface was heavily sedimented with very few animals anywhere. We did however come across a few very interesting creatures as we climbed up the slope. These included a large purple spoon worm whose digestive tract was clearly visible through its translucent skin; a fascinating large purple nudibranch; and a camouflaged sea urchin covered with a hat of organic debris and smaller animals. We also noticed a number of large burrows in the sediment and several track lines with a lot of oddly shaped debris or perhaps unidentified organism. Near the end of the dive we came across a small cliff face that resembled a canyon with pale orange colored rock, a stark contrast from the brown sediment we saw for most of the dive. | | | | | | | | | | | | | | |
| Overall Map of ROV Dive Area | | | | | | | Close-up Map of Main Dive Site | | | | | | | |
|  | | | | | | |  | | | | | | | |
| Contour of “Plan B” | | | | | | | Hypack area map of “Plan B” | | | | | | | |
| Representative Photos of the Dive | | | | | | | | | | | | | | |
|  | | | | | | |  | | | | | | | |
| 20100710\_05h31m16s10\_ROVHD\_BRITTLE\_STAR\_HOLE  There as almost no current at the bottom and the surface was heavily sedimented with very few animals anywhere. We did however come across a few very interesting creatures as we climbed up the slope. These included a large purple spoon worm whose digestive tract was clearly visible through its translucent skin | | | | | | | 20100710\_05h53m28s01\_ROVHD\_WEIRD\_THING  We came across a few very interesting creatures as we climbed up the slope, including a large purple spoon worm whose digestive tract was clearly visible through its translucent skin; a fascinating large | | | | | | | |
| Please direct inquiries to: | | NOAA Office of Ocean Exploration & Research 1315 East-West Highway (SSMC3 10th Floor)  Silver Spring, MD 20910  (301) 734-1014 | | | | | | | | | | | | |