Okeanos Explorer ROV Dive Form

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Site Name | Bulan | | | | | | | globe.png | | | | | | |
| ROV Lead | Dave Lovalvo | | | | | | |  | | | | | | |
| General Area Descriptor | 290 km North of Bitung, Indonesia | | | | | | |  | | | | | | |
| UTC Date & Time | Deployment | | 7/2/2010 12:17 AM | | | | |  | | | | | | |
|  | Recovery | | 7/2/2010 8:51 AM | | | | |  | | | | | | |
| Bottom Time  [HH:MM] | [04:01] | | | | | | |  | | | | | | |
| Landing Time & Location | UTC Time | 01:30 | | | | | | | Depth [m] | | 1602 | | | |
|  | Latitude | 4 | | | º | 00.752 | | | | | | ‘ | | N |
|  | Longitude | 125 | | | º | 16.740 | | | | | | ‘ | | E |
| Off Bottom Time & Location | UTC Time | 07:35 | | | | | | | Depth [m] | | 1611 | | | |
|  | Latitude | 4 | | | º | 00.923 | | | | | | | ‘ | N |
|  | Longitude | 125 | | | º | 17.364 | | | | | | | ‘ | E |
| ROV Dive Name | Cruise Season | | | Leg | | | | | | Dive Number | | | | |
|  | EX1004 | | | LEG02 | | | | | | ROV04 | | | | |
| 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)* | Click here to enter text. | | | | | | | | | | | | | |
| Purpose of the Dive: To explore Click here to enter text. | | | | | | | | | | | | | | |
| Description of the Dive: | | | | | | | | | | | | | | |
| The launch target for EX-1004-Leg II\_ROV004 was 4º 00.760’N 125º 16.800’E. The vehicle descended to a depth of 1600m on a small seamount that lay at the base of a larger seamount to the east. It reached the bottom approximately 40m downslope on the western flank of an east-west trending ridge. The bottom for most of the dive was light coloured, sandy sediment. A few rocky outcrops appeared in areas of steeper terrain. There was no evidence of hydrothermal activity. Biology appeared dominated by sparse assemblages of solitary corals, shrimp, galatheid crabs, and sponges. Small crustaceans or barnacles were visible on several corals and sponges. | | | | | | | | | | | | | | |
| Overall Map of ROV Dive Area | | | | | | | Close-up Map of Main Dive Site | | | | | | | |
|  | | | | | | |  | | | | | | | |
| Hypack view of overall dive site | | | | | | | Hypack view of dive targets | | | | | | | |
| Representative Photos of the Dive | | | | | | | | | | | | | | |
|  | | | | | | |  | | | | | | | |
| 20100702\_07h05m12s13\_ROVHD\_CRAB\_IN\_CORAL  The bottom for most of the dive was light coloured, sandy sediment, with the biology dominated by sparse assemblages of solitary corals, shrimp, glatheid crabs, and sponges. Small crustaceans or barnacles were visible on several corals and sponges. | | | | | | | 20100702\_04h42mo4s23\_ROVHD  A few rocky outcrops appeared in areas of steeper terrain, with occasional sparse assemblages of solitary corals, shrimp, galatheid crabs, and sponges. | | | | | | | |
| Please direct inquiries to: | | NOAA Office of Ocean Exploration & Research 1315 East-West Highway (SSMC3 10th Floor)  Silver Spring, MD 20910  (301) 734-1014 | | | | | | | | | | | | |