

OKEANOS EXPLORER ROV DIVE FORM

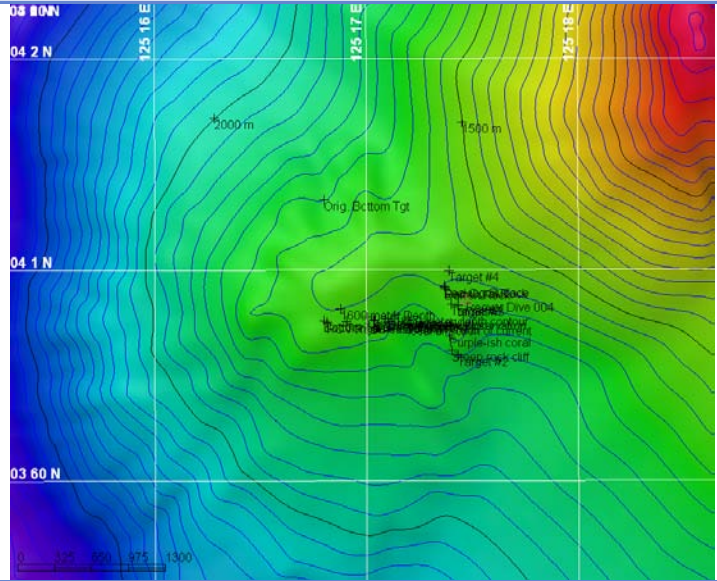
Site Name	Bulan								
ROV Lead	Dave Lovalvo								
General Area Descriptor	290 km North of Bitung, Indonesia								
UTC Date & Time	Deployment	7/2/2010 12:17 AM							
	Recovery	7/2/2010 8:51 AM							
Bottom Time [HH:MM]	[04:01]								
Landing Time & Location	UTC Time	01:30			Depth [m]	1602			
	Latitude	4	°	00.752		'	N		
	Longitude	125	°	16.740		'	E		
Off Bottom Time & Location	UTC Time	07:35			Depth [m]	1611			
	Latitude	4	°	00.923		'	N		
	Longitude	125	°	17.364		'	E		
ROV Dive Name	Cruise Season		Leg		Dive Number				
	EX1004		LEG02		ROV04				
Equipment Deployed	ROV:		Little Hercules						
	Camera Platform:		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)	David Butterfield/Seattle ECC/PMEL Verena Tunnicliffe/Seattle ECC/UVIC Tim Shank/WHOI/WHOI Santiago Herrera(student)/WHOI/WHOI Jill McDermott (student)/WHOI/WHOI Catriona Munro (student)/WHOI/WHOI Elizabeth Silbert (student)/WHOI/WHOI Ellie Bors (student)/Seattle ECC/WHOI Jim Holden/Jakarta ECC/UMASS John Sherrin (student) – 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:

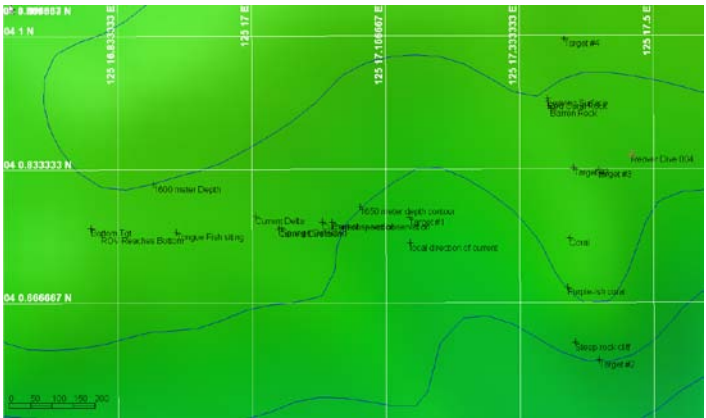
The launch target for EX-1004-Leg II_ROV004 was 4° 00.760'N 125° 16.800'E. The vehicle descended to a depth of 1600m on a small seamount that lay at the base of a larger seamount to the east. It reached the bottom approximately 40m downslope on the western flank of an east-west trending ridge. The bottom 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



Hypack view of overall dive site Bulan

Close-up Map of Main 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, galatheid 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
--	----------------