


OKEANOS EXPLORER ROV DIVE FORM

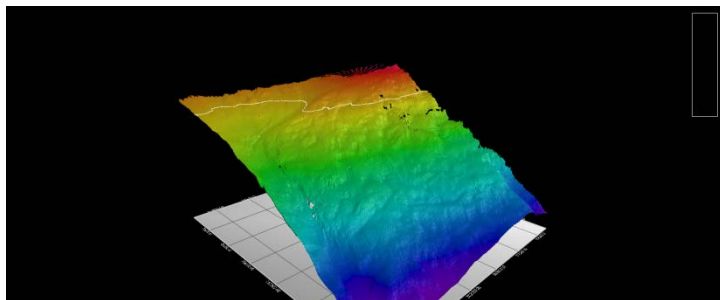
Site Name	New Seamount then changed to "Plan B"					
ROV Lead	Dave Lovalvo					
General Area Descriptor	200km North of Bitung, Indonesia					
UTC Date & Time	Deployment	7/10/2010 1:30 AM				
	Recovery	7/10/2010 8:33 AM				
Bottom Time [HH:MM]	[07:00] approx.					
Landing Time & Location	UTC Time	03:28		Depth [m]	2242	
	Latitude	3	°	16.083	'	N
	Longitude	125	°	17.480	'	E
Off Bottom Time & Location	UTC Time	06:37		Depth [m]	2189	
	Latitude	3	°	15.830	'	N
	Longitude	125	°	17.583	'	E
ROV Dive Name	Cruise Season	EX1004		Leg	LEG02	
				Dive Number	ROV10	
Equipment Deployed	ROV:	Little Hercules				
	Camera Platform:	Phoenix Camera Platform				
ROV Measurements	<input checked="" type="checkbox"/> CTD	<input checked="" type="checkbox"/> Depth		<input checked="" type="checkbox"/> Altitude		
	<input checked="" type="checkbox"/> Scanning Sonar	<input checked="" type="checkbox"/> USBL Position		<input checked="" type="checkbox"/> Heading		
	<input checked="" type="checkbox"/> Pitch	<input checked="" type="checkbox"/> Roll		<input checked="" type="checkbox"/> HD Camera		
	<input checked="" type="checkbox"/> Low Res Cam 1	<input checked="" type="checkbox"/> Low Res Cam 2				
Equipment Malfunctions	Click here to enter text.					
Special Notes	Click here to enter text.					
Scientists Involved <i>(please provide name / location / affiliation / email)</i>	<p>John Sherrin (student)– EX Control Room/U of Victoria David Butterfield/Seattle ECC/PMEL Verena Tunnicliffe/Seattle ECC/UVIC Tim Shank/WHOI/WHOI Santiago Herrera(student)/WHOI/WOI Catriona Munro (student)/WHOI/WOI Elizabeth Silbert (student)/WHOI/WOI Ellie Bors (student)/Seattle ECC/WHOI Jim Holden/Jakarta ECC/UMASS Xerandy – EX Control Room/Indonesia</p>					

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 3° 16.0926'N 125° 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



Contour of "Plan B"

Close-up Map of Main Dive Site



Hypack area map of "Plan B"

Representative Photos of the Dive



20100710_05h31m16s10_ROVHD_BRITTLE_STAR_HOLE
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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