



NOAA Okeanos Explorer Program

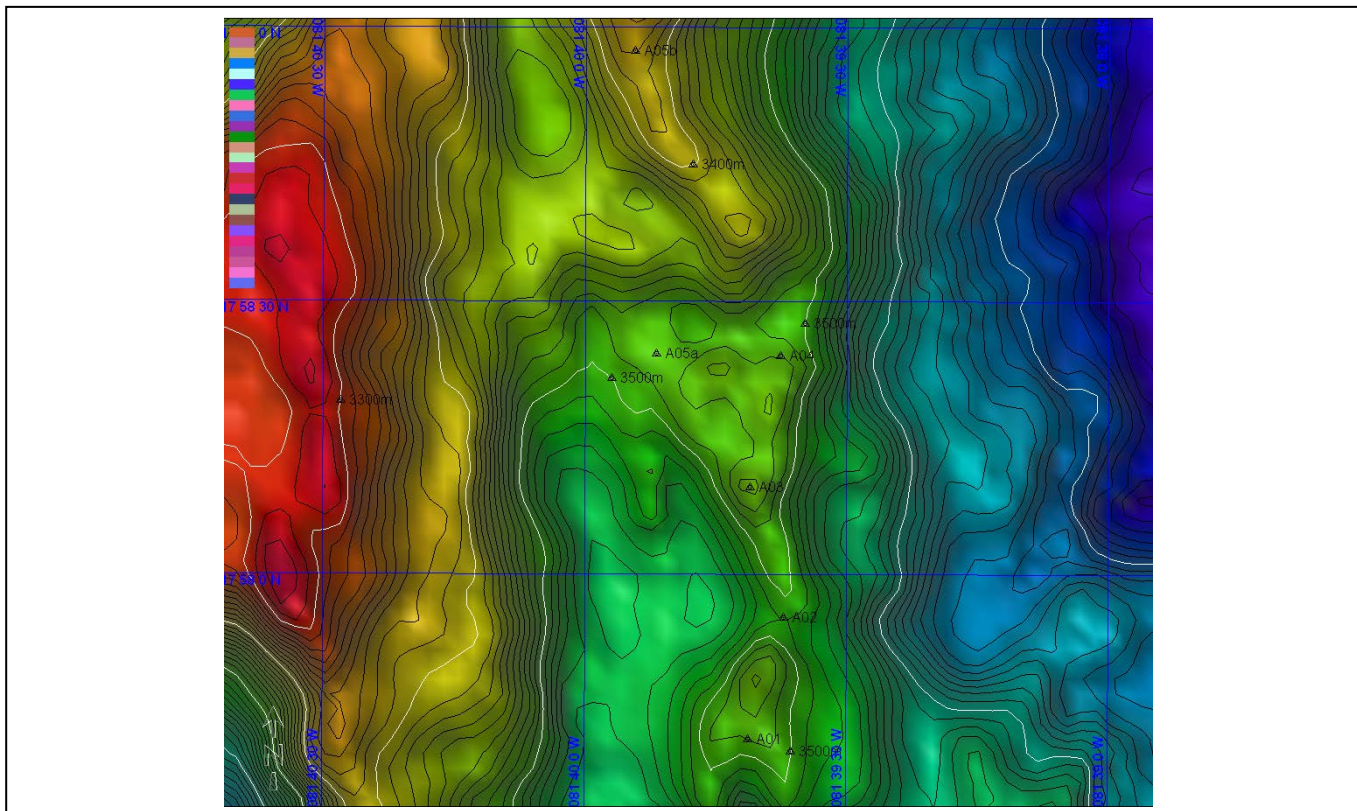
ROV Dive Planning Form

Science Team develops draft dive track two days before a planned dive. Expedition Leader responds overnight based on ship capabilities, programmatic considerations, and constraints. Plan is finalized the day before a dive

Site Name: SE Corner

Approximate Location: 17° 57.699' N, 81° 39.687' W

Dive Date (local): August 13, 2011





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Brief Explanation of Exploration Objectives and Rational for the Desired Dive Track:

Science Rationale:

The purpose of this dive is to visit the SE corner of the Mid Cayman Rise and transect to the NNW across the rifted Oceanic Core Complex at this locale.

Operations Response/Rationale:

The ship plans to launch the ROV at approximately 0800. The time from the start of launch to the start of the dive on the seafloor at waypoint A01 (3490m) is approximately 2 hours 45 minutes. The approximate time to go from waypoint A01 to A05a (1800m) at an average of 0.2kts is approximately 5 hours. We will try to make it to A05a however may decide on A05b as an alternative depending on our speed. The time from the bottom at 4390m to 50m is 2 hours 15 minutes, and the time for ROV recovery is 30 minutes, with the ROV secured on deck at 1630 ship time.

ROV Track Waypoints Table:

DESIRED WAYPOINTS TO EXPLORE - (COMPLETED BY SHORE-SIDE LEAD SCIENTIST) (not including launch)				ACTUAL WAYPOINTS TO EXPLORE- (COMPLETED BY SHIPBOARD EXPEDITION LEADER)			
WAYPOINT NAME	LATITUDE	LONGITUDE	APPROX DEPTH	WAYPOINT NAME/SEQUENCE	LATITUDE	LONGITUDE	APPROX DEPTH
Launch				Launch			
A01	17° 57.699'	81° 39.687'	3490m				

ANCILLARY INFORMATION:

COMPLETED BY SHORE-SIDE LEAD SCIENTIST

Are there additions operations recommended in the target area prior to the ROV dive?

	LATITUDE	LONGITUDE	APPROX DEPTH
CTD CASTS			
1	None	None	
2			
3			
4			
MULTIBEAM BOUNDING COORDINATES			
1	None	None	
2			
3			



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