



# Okeanos Explorer ROV Dive Summary: EX-19-04, Dive 01, July 26, 2019

## Dive Information

<p>General Location Map</p>	
<p>General Area Descriptor</p>	<p>U.S. Northeast</p>
<p>Site Name</p>	<p>Block Canyon</p>
<p>Science Team Leads</p>	<p>Jan Albiez (Kraken Robotics)</p>
<p>Expedition Coordinator</p>	<p>Michael P. White (NOAA-OER)</p>
<p>ROV Dive Supervisor</p>	<p>Daniel Rogers (GFOE)</p>
<p>Mapping Lead</p>	<p>Michael P. White (NOAA-OER)</p>

## ROV Dive Name

Cruise	EX1904
Dive Number	DIVE01

## Equipment Deployed

ROV	<i>Deep Discoverer</i>		
Camera Platform	<i>Seirios</i>		
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 1
	<input checked="" type="checkbox"/> HD Camera 2	<input checked="" type="checkbox"/> Low Res Cam 1	<input checked="" type="checkbox"/> Low Res Cam 2
	<input checked="" type="checkbox"/> Low Res Cam 3	<input checked="" type="checkbox"/> Low Res Cam 4	<input checked="" type="checkbox"/> Low Res Cam 5
Equipment Malfunctions	None		
ROV Dive Summary Data (from Processed ROV)	<p>In Water: 2019-07-26T12:40:25.362685 39°, 51.299' N ; 71°, 15.895' W</p> <p>On Bottom: 2019-07-26T13:15:30.476600 39°, 51.241' N ; 71°, 15.92' W</p> <p>Off Bottom: 2019-07-26T20:04:24.400812 39°, 51.19' N ; 71°, 16.567' W</p> <p>Out Water: 2019-07-26T20:33:26.224412 39°, 51.089' N ; 71°, 16.368' W</p> <p>Dive duration: 7:53:0</p> <p>Bottom Time: 6:48:53</p> <p>Max. depth: 866.0 m</p>		
Special Notes			

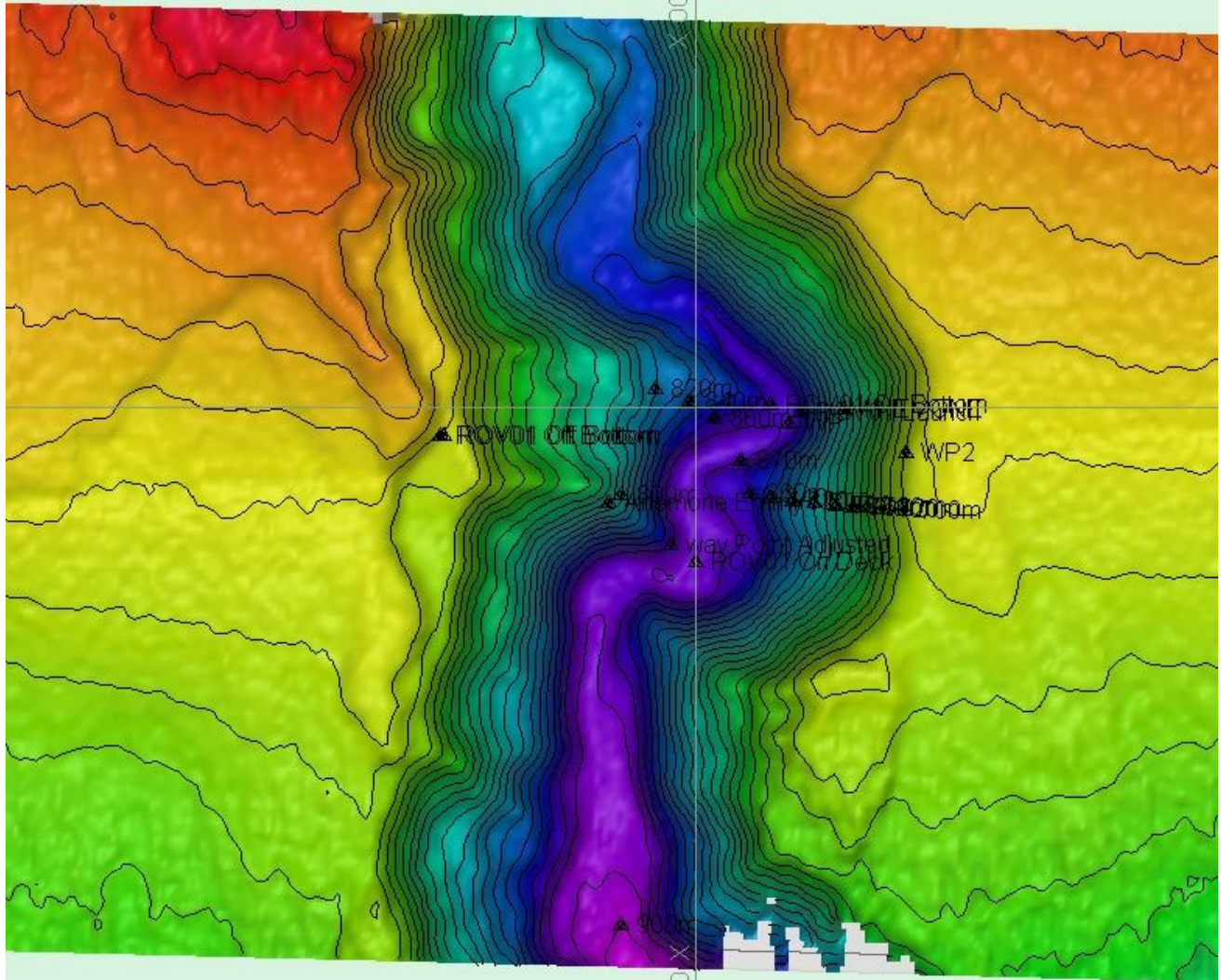


Dive Purpose	Test and demonstrate integration of Kraken SeaVision® System
Dive Description	Dive occurred with Block Canyon, south of Block Island. Dive was focused on testing the Kraken SeaVision laser scanner. Dive was largely soft sediment with intermittent hard surfaces/boulders with anemones and observations of debris.
Notable Observations	Debris

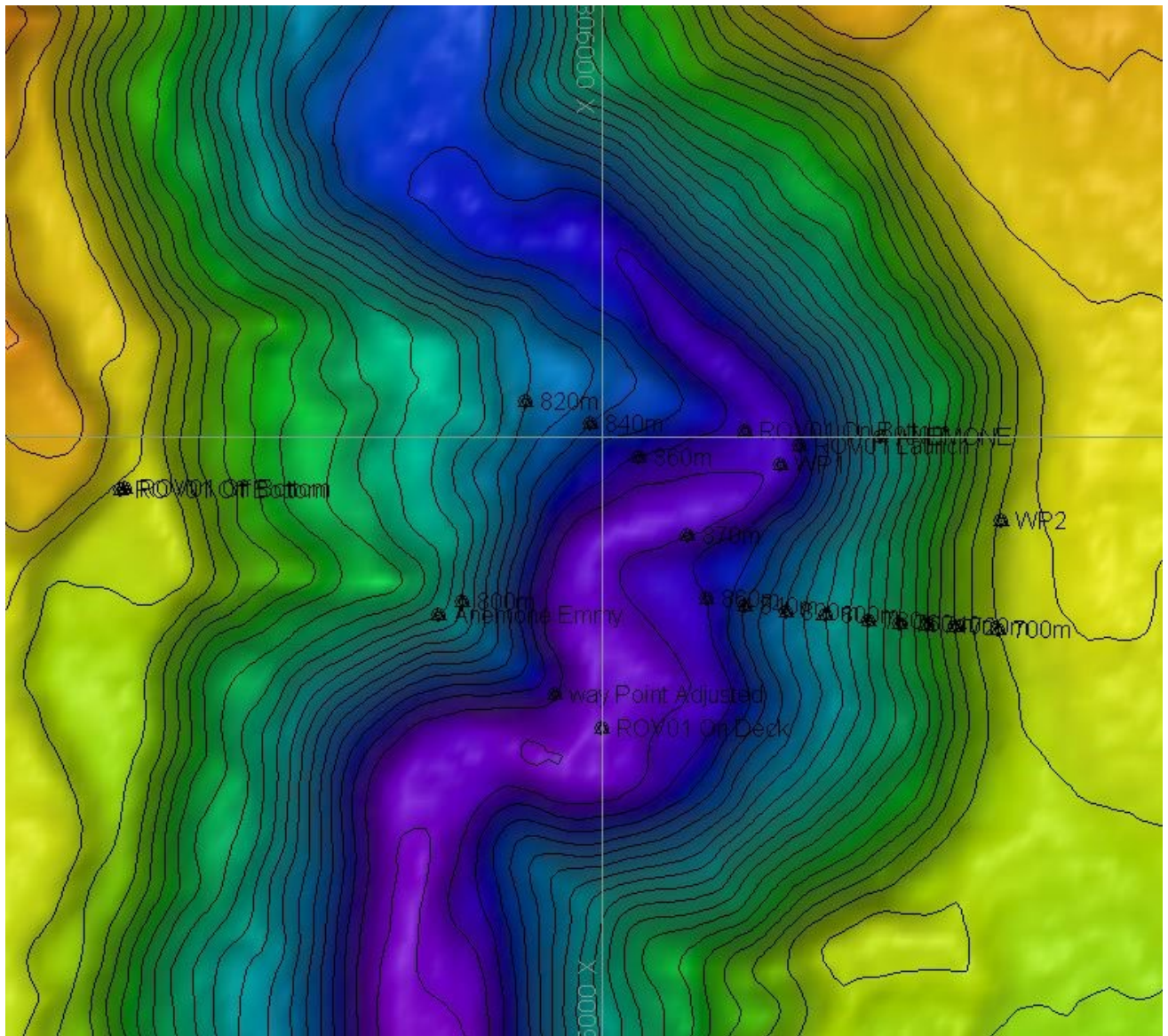


Community Presence/Absence (community is defined as more than two species)	Corals and Sponges - No Chemosynthetic Community - No High biodiversity Community - No Active Seep or Vent - No Extinct Seep or Vent - No Hydrates - No
Feature Type	Canyon

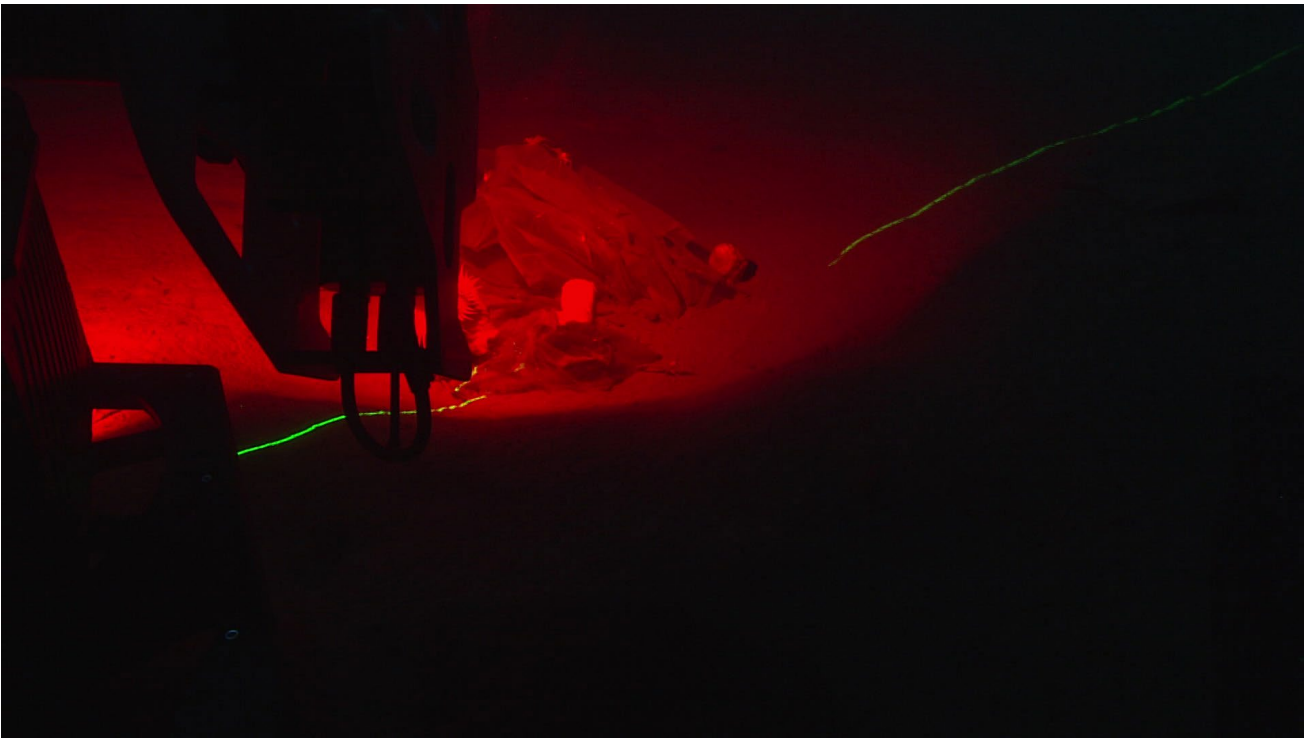
## Overall Map of the ROV Dive Area



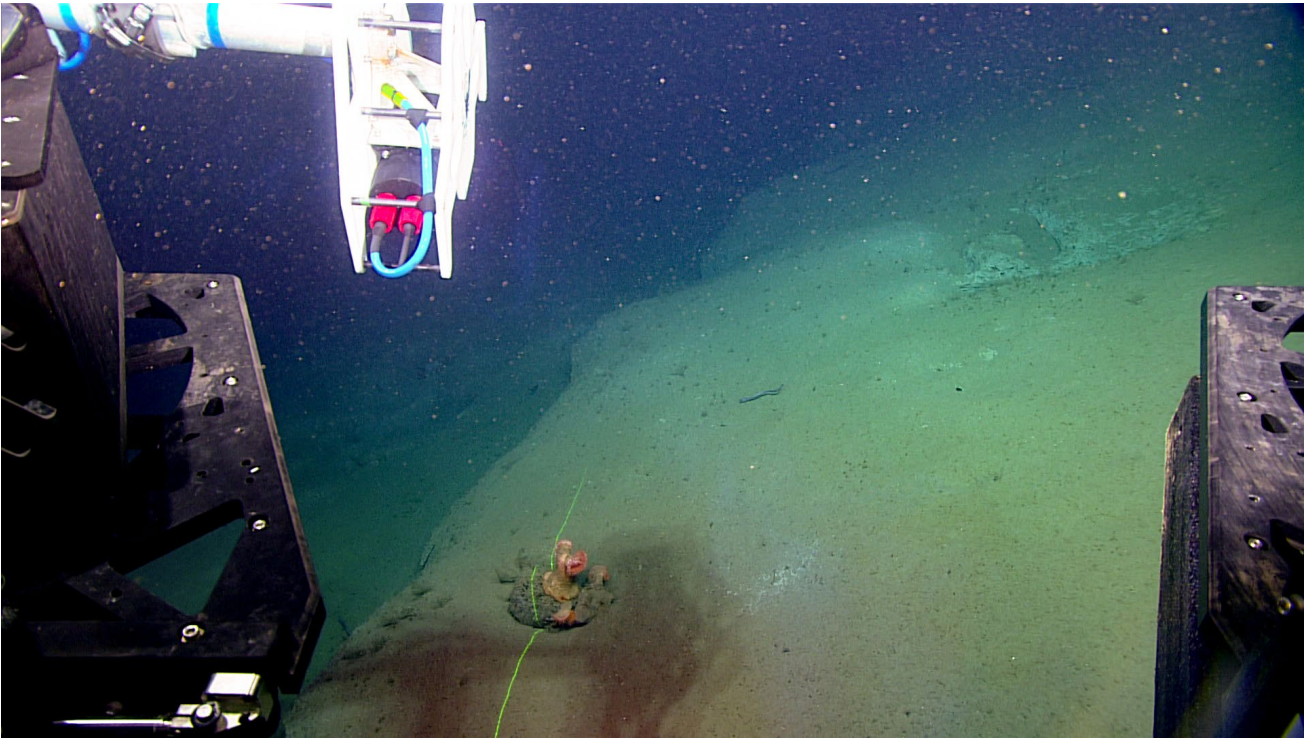
# Close-up Map of Main Dive Site



## Representative Photos of the Dive



Kraken SeaVision laser scanner completes scans on debris.

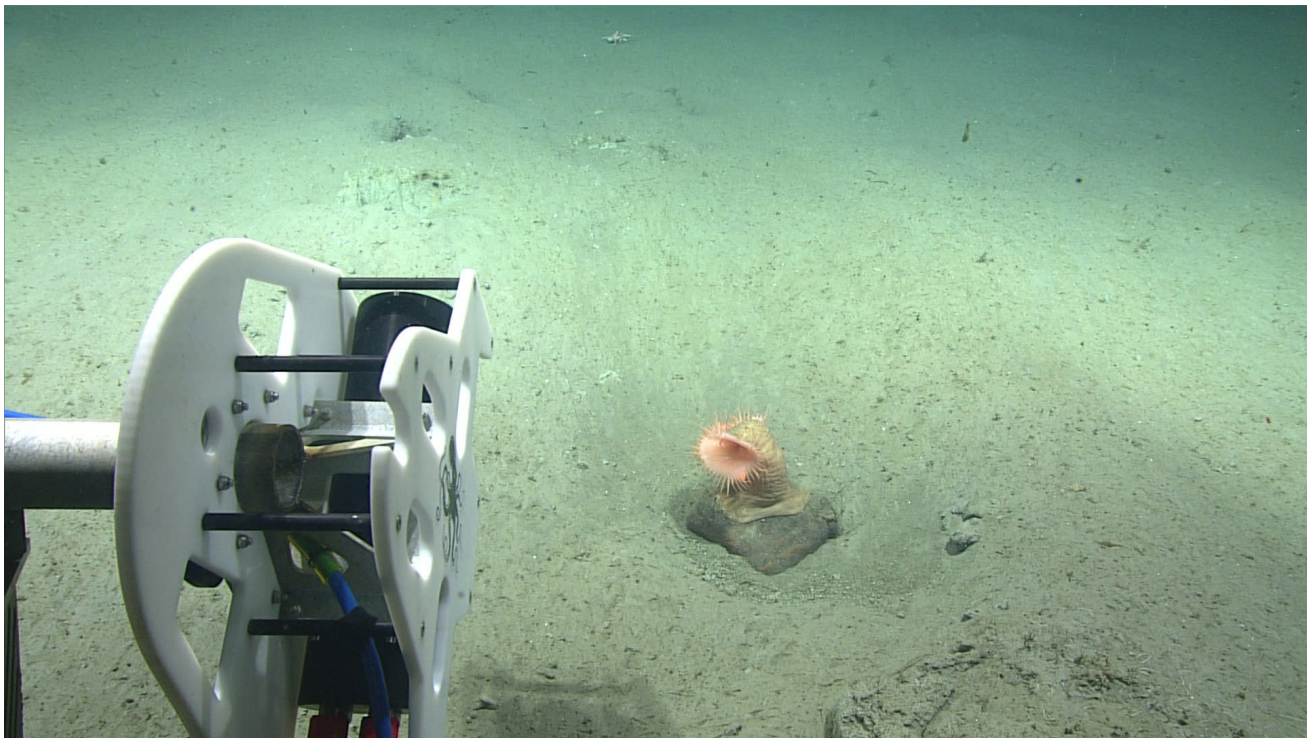


Kraken SeaVision laser scanner scans an anemone on a rock.



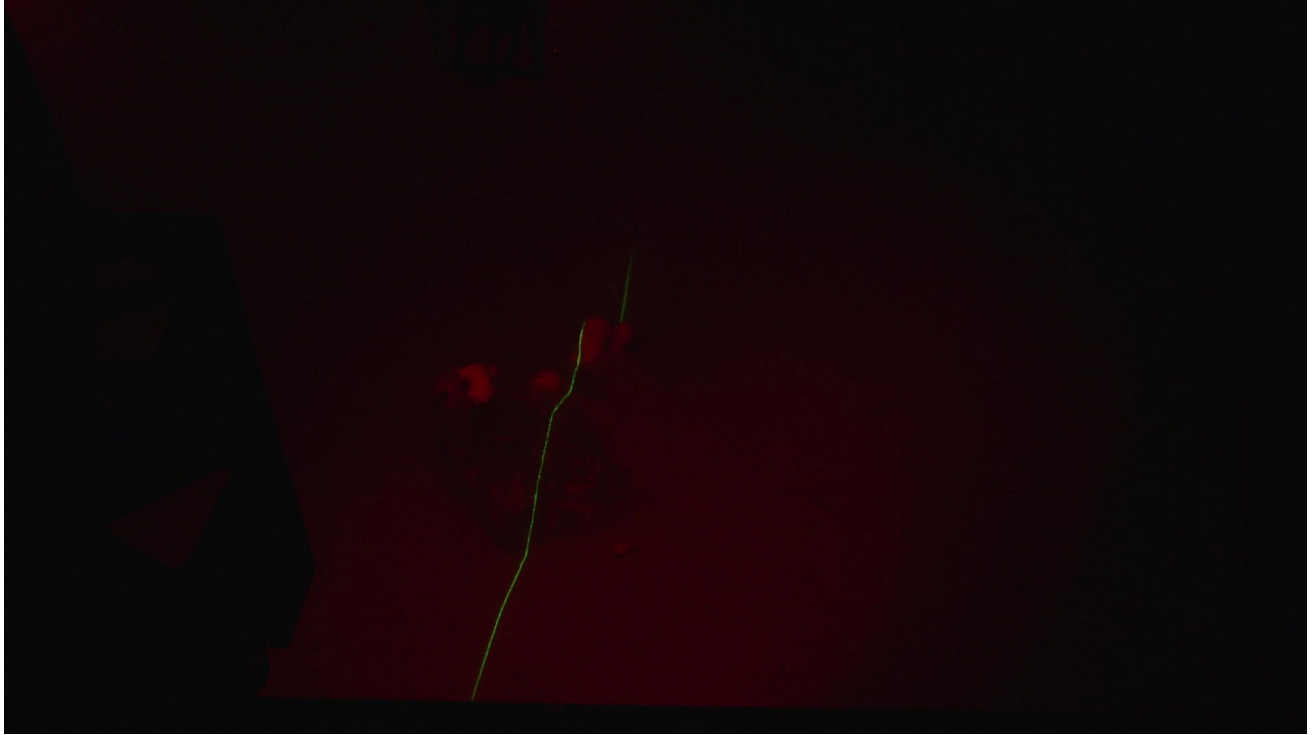


*Chaceon* observed frequently throughout the dive.



Representative substrate with anemone found throughout the entire dive.





SeaVision laser scanner scanning a rock with anemones

## **Samples Collected - No samples were collected on EX1904**

### **Please direct inquiries to:**

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**Ocean Exploration  
and Research**