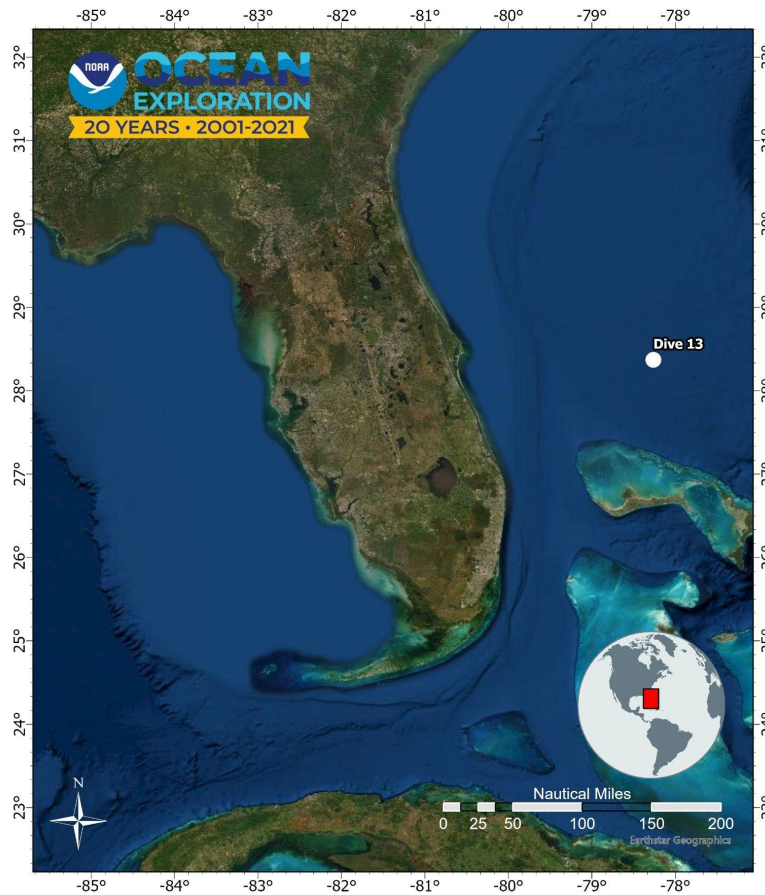


# ROV Dive Summary, EX-21-07, Dive 13, November 13, 2021

## General Location Map



## Dive Information

Site Name	Midwater South
General Area Descriptor	Southern Blake Plateau
Science Team Leads	Stephanie Farrington, Allen Collins
Expedition Coordinator	Matt Dornback
Sample Data Manager	Matt Grossi

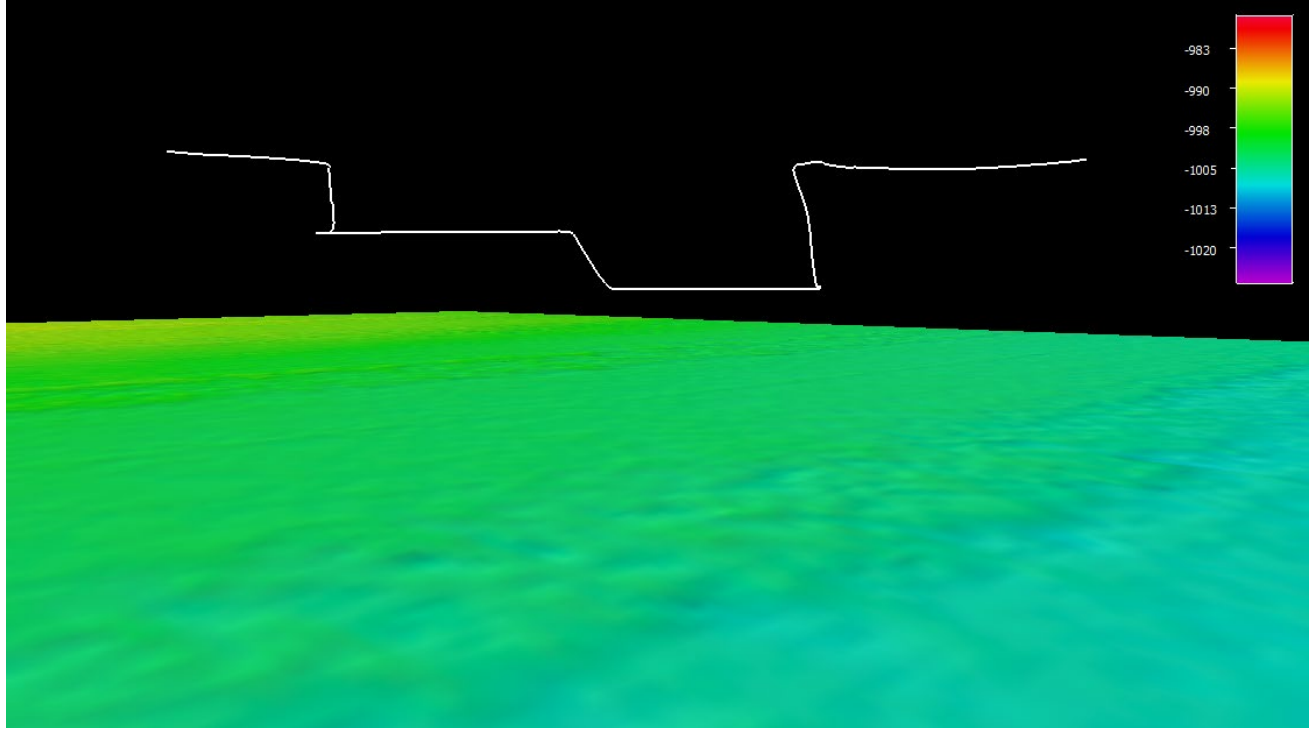


	<p>Duration: 1:05:32 Depth: 500.0 m</p> <p>Through the 500 meter transect, which coincided with the deep scattering layer, we encountered many more fish, including a number of different species of Gonostomatidae (bristlemouths) such as <i>Bonapartia</i> and <i>Cyclothone</i>, as well as a few unidentified fish. Siphonophores continued to be common during this transect (Prayidae, Physonectae). Single-celled eukaryotes (Phaeodaria and Foraminifera) continued to be fairly abundant. A narcomedusa with 25 tentacles (<i>Solmaris?</i>) was observed during this transect, as were a few krill (Euphausiacea) and the trachymedusa <i>Colobonema</i>.</p> <p>On the way to the next Transect at 700 m communications with D2 were severed and the ROV had to be recovered.</p>
Notable Observations	<ul style="list-style-type: none"> <li>The sighting of what appeared to be the ctenophore genus <i>Deiopea</i> is notable, but the video should be studied to confirm/refine identification</li> </ul>
Community and habitat observations	<p>Corals and Sponges - Absent Chemosynthetic Community - Absent High biodiversity Community - Absent Active Seep or Vent - Absent Extinct Seep or Vent - Absent Hydrates - Absent</p>
CMECS Feature Type(s)	Pelagic, Plateau
SeaTube Link (science annotation system)	<a href="https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&amp;resourceId=2543">https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&amp;resourceId=2543</a>

## Equipment Deployed

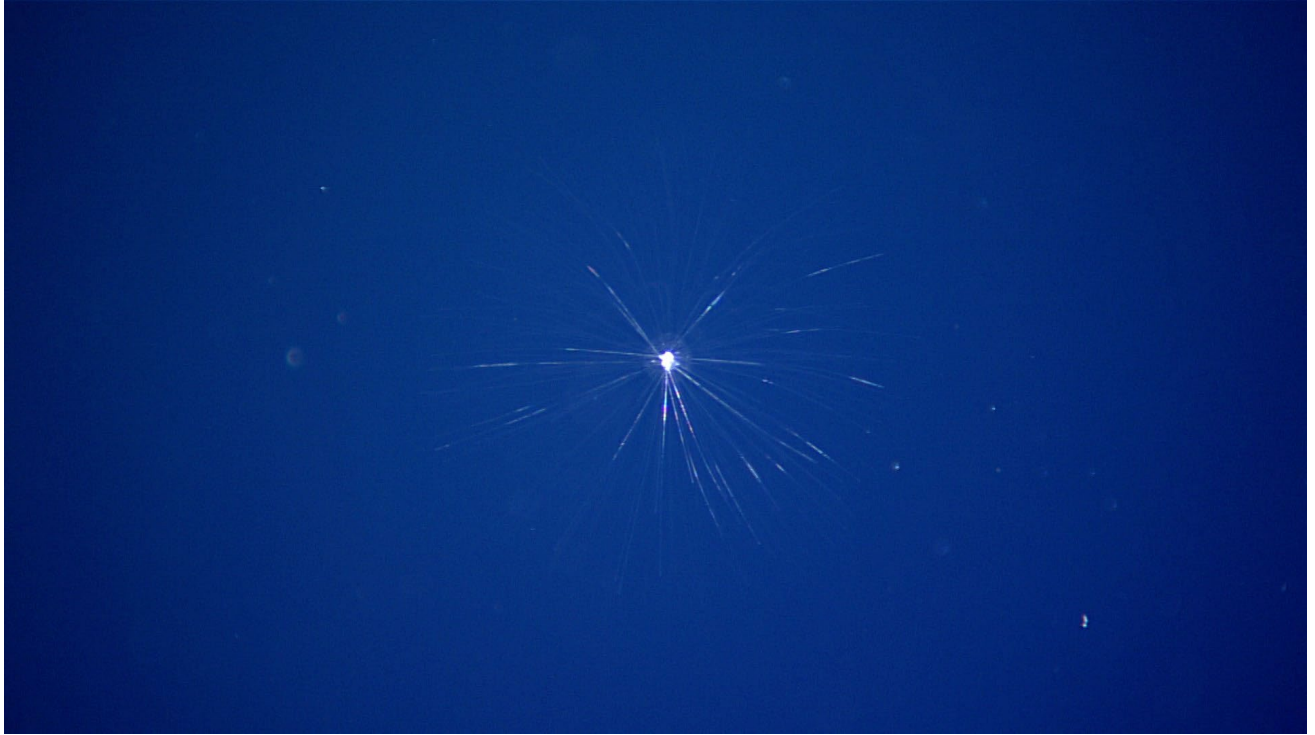
ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>
ROV Measurements	The following ROV measurements, data streams and equipment are used on each ROV deployment: CTD, depth, scanning sonar, USBL position, altitude, heading, attitude, high-resolution cameras, low resolution cameras, manipulator arms, suction sampler, sample drawers and thrusters. The section below notes if any of these sensors were malfunctioning or not operational
Equipment Malfunctions	Lost communication with the ROV and had to recover early.

## Close-up Map of Main Dive Site

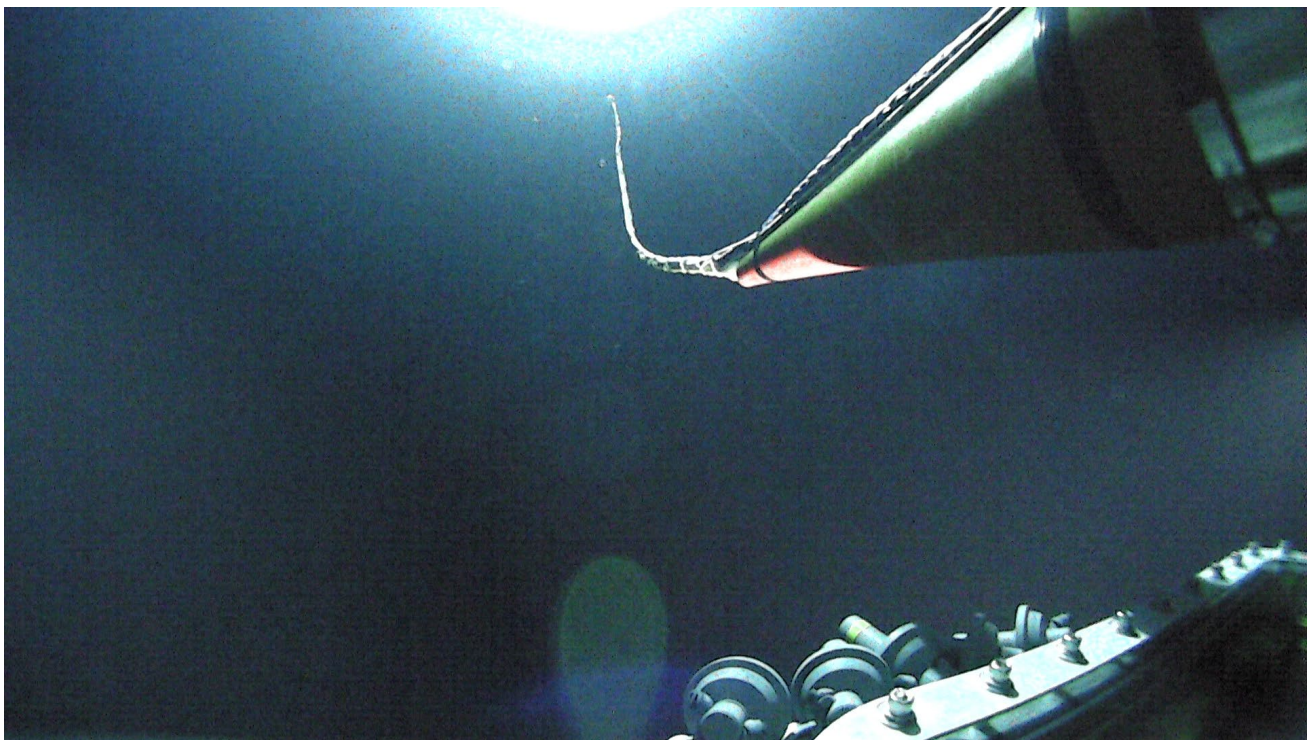


### Representative Photos of the Dive





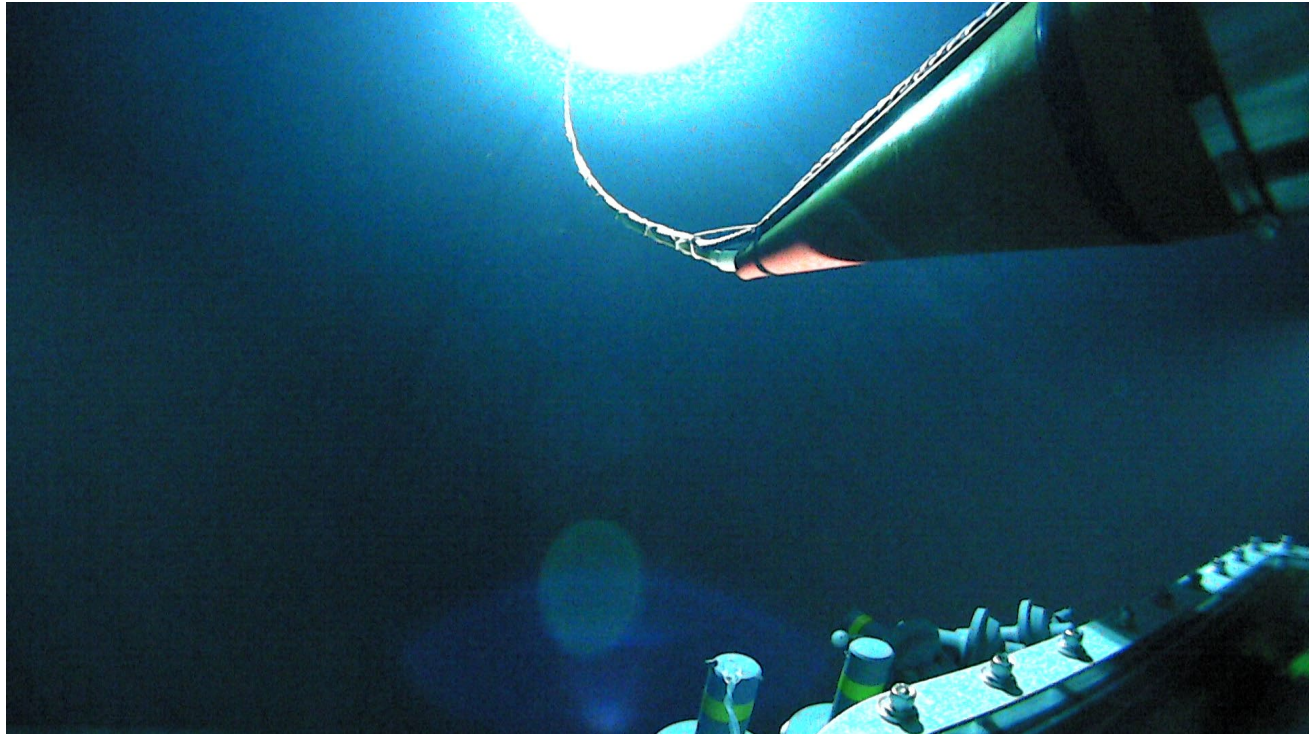
### Samples Collected -



Sample ID	EX2107_D13_01W
Date (UTC)	20211113
Time (UTC)	143119
Depth (m)	301.261

Latitude (decimal degrees)	28.367010
Longitude (decimal degrees)	-78.252190
Temp. (°C)	18.998
Field ID(s)	Water sample
Comments	eDNA

Associates Sample ID	Field Identification	Count
N/A	N/A	N/A



Sample ID	EX2107_D13_02W
Date (UTC)	20211113
Time (UTC)	155655
Depth (m)	501.843
Latitude (decimal degrees)	28.35974
Longitude (decimal degrees)	-78.246340
Temp. (°C)	15.53
Field ID(s)	Water sample
Comments	eDNA

Associates Sample ID	Field Identification	Count
N/A	N/A	N/A

**Scientists Involved (provide name, email, affiliation)**

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