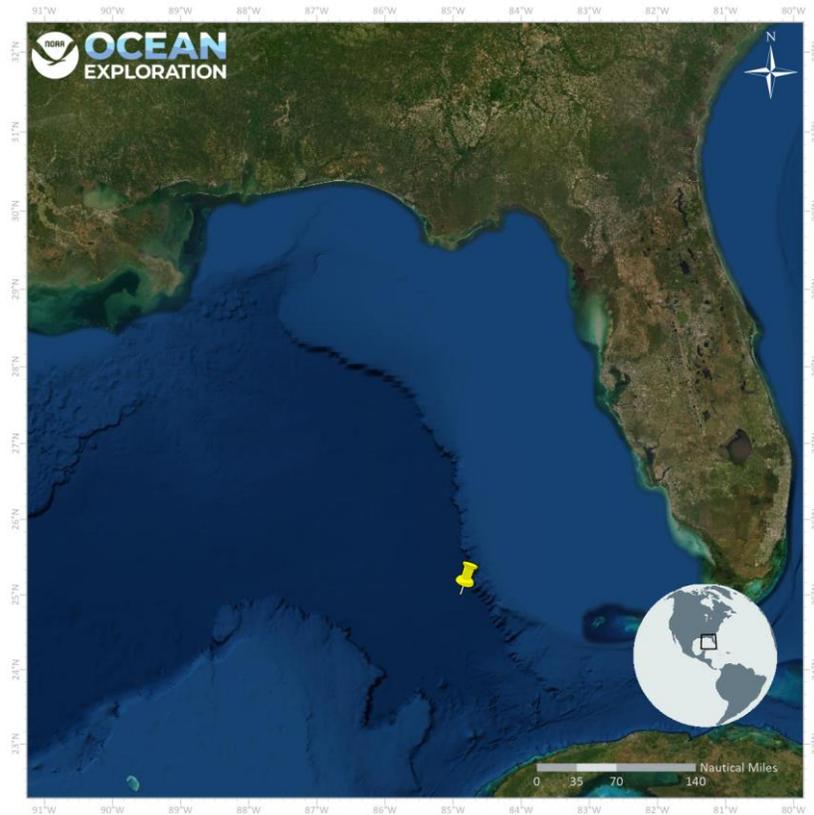


ROV Dive Summary, EX-22-01, Dive 05, February 28, 2022

General Location Map



Dive Information

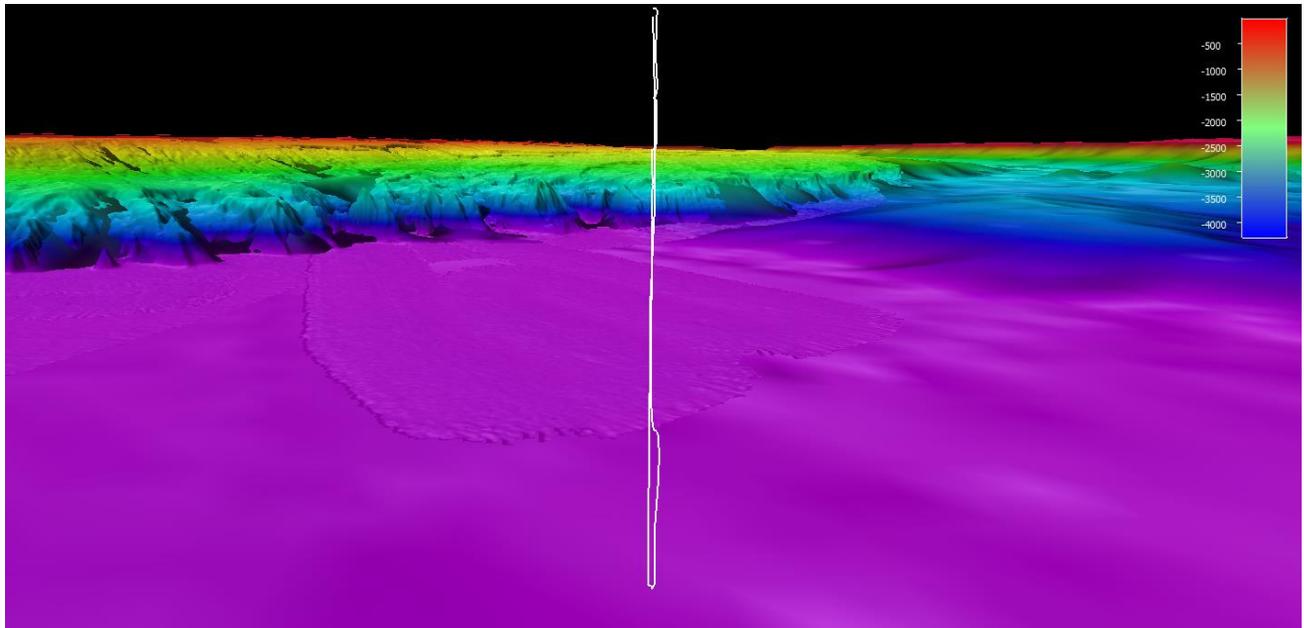
Site Name	Abyssal Plain & midwater
General Area Descriptor	Southwest Straits of Florida
Science Team Leads	Kimberly Galvez, Anna Lienesch, Karl McLetchie
Expedition Coordinator	Kimberly Galvez
ROV Dive Supervisor	Karl McLetchie
Sample Data Manager	Anna Lienesch
Mapping Lead	Sam Candio
Dive Purpose	Engineering objectives

CMECS Feature Type(s)	[Use Definitions of Dive Table CMECs terms to identify feature types encountered during the dive]
SeaTube Link (science annotation system)	https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&resourceId=5900

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	None.

Close-up Map of Main Dive Site

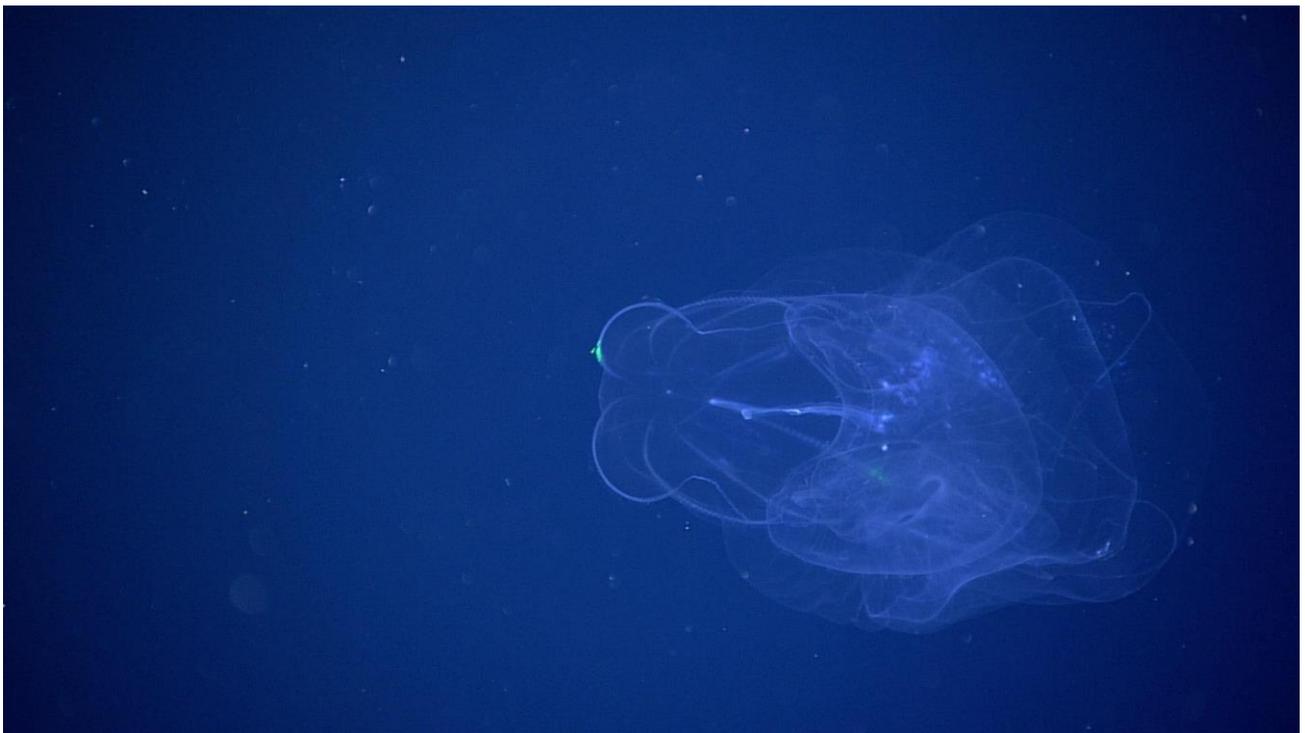


Smoothed ROV dive track in white on the bathymetry, 3x vertical exaggeration, depth in meters.

Representative Photos of the Dive



A white *Goniaster* sp. starfish observed on unconsolidated carbonate sediment during the benthic dive.



During the midwater portion of the dive, multiple pelagic organisms were seen including this lobate ctenophore.

Samples Collected -



Sample ID	EX2201_D05_01B
Date (UTC)	20220228
Time (UTC)	21:10:27
Depth (m)	752.7730103
Latitude (decimal degrees)	24.39557838
Longitude (decimal degrees)	-84.8848114
Temp. (°C)	7.43599987
Field ID(s)	Cnidaria, Solmissus
Comments	Bell is about 12cm long. In 3 pieces. Many tentacles. No gonads intact. DNA sample taken from tentacle.

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

Niskin Sampling Summary

None

Scientists Involved (provide name, email, affiliation)

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