

Activity Summary

Cruise **biolum2009**

Project **Bioluminescence 2009**

Little Bahama Bank Lithoherm

2009/07/23 08:00:00 EDT - 2009/07/23 11:30:00 EDT

Bioluminescence in the Deep-Sea Benthos

JSL2-3685

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 2009/07/23 08:00:00	North 27.5	Johnson Sea Link II
End 2009/07/23 11:30:00	South 24	
Time zone EDT	East -79	Data Collected
MaxDepth (m) 2021	West -79.5	No data collected.
Operating Depth Range (m)		

Participants

Steve Haddock, Forward Observer
Alison Sweeny, Aft Observer
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,

Overall Dive Site Ratings

1=low, 10=high

Uniqueness	No rating
Health	No rating
Disturbance	No rating
Biodiversity	No rating
Relief Variation (m)	

Objectives

Collection

Dive Track Description

Relatively flat sedimented bottom with scattered sponges and crinoids. Proceeding north, headed over a ridge with crinoids at the apex, collected on the back side of the ridge where there were gorgonians, some shrimp and crabs. Continuing north, arrived at the location of the Eye in the Sea, which was intact, although we did not see the red lights illuminated. Found a pinger in the sediment, presumably from the bait bag/traps deployed earlier. The slope behind the EitS was covered with dark particles and many flytrap anemones. At the end of the dive, turned off lights and checked for fluorescence and luminescence. The flytrap anemones were fluorescent, and some bright luminescence was seen from the aft chamber.

Biological Comments

Observed and collected several types of Crinoids, two sea stars, sponges with three types of crabs and two shrimp. One mysid appeared gravid. At two different sites, ?liparid fish were seen in close association with different gorgonian/brittle star "trees". Took video and digital stills.

Geological Comments

No geological comment recorded.

Living Habitat Structure

Type	% Cover
Nothing recorded	

Sediments

Type	% Cover
Nothing recorded	

Geomorphology

Type	% Cover
Nothing recorded	

Anthropogenics

Type/Description
Nothing recorded

Living Marine Resources Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (>100)

Nothing recorded

Observations and Comments on Living Marine Resources

No other comments.

Unique or Rare Invertebrates

Nothing recorded.

Unique or Rare Vertebrates

Nothing recorded.

Fish Observation and Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (>100)

Nothing recorded

Other Comments/Notes

No additional comments.