

Activity Summary

Cruise **biolum2009**

Project **Bioluminescence 2009**

Little Bahama Bank Lithoherm

2009/07/23 15:30:00 EDT - 2009/07/23 19:00:00 EDT

Bioluminescence in the Deep-Sea Benthos

JSL2-3686

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 2009/07/23 15:30:00	North 27.5	Johnson Sea Link II
End 2009/07/23 19:00:00	South 24	
Time zone EDT	East -79	Data Collected
MaxDepth (m) 2005	West -79.5	Multimedia
Operating Depth Range (m) 1800-2005		

Participants

Erika Raymond, Forward Observer
Edie Widder, 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

Collect Eye in the Sea camera system.

Dive Track Description

We first dropped to 2000 feet and headed to the Eye-in-the-Sea site. Next we moved up along the ridge to observe bioluminescence finally we moved back to Eye-in-the-Sea for recovery.

Biological Comments

Dense patches of coral, many crinoids and crabs. The ridge was full of fan corals and we observed a significant amount of bioluminescence in this region when we turned off the sub light. Bioluminescence came from above surface point sources, probably siphonophores, and benthic sources.

Geological Comments

15-30 degree inclines of lithoherm. Not too much silt.

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.