

# Activity Summary

Cruise **biolum2009**

Project **Bioluminescence 2009**

# Northwest Providence Channel

2009/07/28 08:00:00 EDT - 2009/07/28 11:30:00 EDT

Bioluminescence in the Deep-Sea Benthos

**JSL2-3695**

## Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
<b>Start</b> 2009/07/28 08:00:00	<b>North</b> 26 07.9 N	Johnson Sea Link II
<b>End</b> 2009/07/28 11:30:00	<b>South</b> 26 07.9 N	
<b>Time zone</b> EDT	<b>East</b> 77 35.6 W	<b>Data Collected</b>
<b>MaxDepth (m)</b> 2550	<b>West</b> 77 35.6 W	Multimedia
<b>Operating Depth Range (m)</b> 1400-2400		

## Participants

Steve Haddock, Forward Observer  
Charles Messing, Aft Observer  
,  
,

## Overall Dive Site Ratings

*1=low, 10=high*

<b>Uniqueness</b>	No rating
<b>Health</b>	No rating
<b>Disturbance</b>	No rating
<b>Biodiversity</b>	No rating
<b>Relief Variation (m)</b>	

## Objectives

Collect bioluminescent animals along a vertical wall near Gorda Cay.

## Dive Track Description

Started in about 2500 feet of water along a steeply sloping ridge. Unfortunately, the high relief did not mean that rocky substrate was visible; the bottom was still covered in a layer of fine silt. Proceeded along to a steep ridge which rose from 1900 to 1400 feet, falling off steeply on both sides for some stretches. Silty sediment throughout.

## Biological Comments

Lots of small urchins and several different types of sea pens. Some hermit crabs, few shrimp. Eynyniastes (pelagic cucumber) was present at the deepest depth, but to 2500 feet. In the water column, lots of Bathocyroe (ctenophores) and some Bargmannia and Forskalia (siphonophores).

## Geological Comments

Steep silty ridge.

## 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.