

ROV Jason Daily Report

Cruise Number: RB 19-03

Dive number: J2-1130

Chief Scientist: Amanda Demopoulos

Report Date: 4/17/2019

Expedition Leader: Alberto Collasius Jr.

Prepared By: Expedition Leader

Vessel Location: Atlantic 32N 78W

Weather: Very nice for both LAR

Dive Times: GMT

Dive Activities/Future Activities:

Coral pots, Coral samples to quivers, Samples to Bio Box's, Slurp and push cores

Reason for Dive Termination: Objectives completed

Dive No.	Dates	Max Depth	Hours Descending	Hours Ascending	Hours on Bottom	Hours in water	Time On Deck	Time on Deck not available to science
J2-1128	4/10-4/11	792	:50	2:45	9:30	13:05		0
J2-1129	4/13-4/14	746	1:07	1:20	11:15	13:42	56:53	32:53

Completed Dive Summaries:

Vehicle Status: We have an AC ground fault that appears after submersion but disappears during descent. No other problems.

Weather Forecast: Short term looks good. Expected to deteriorate significantly Thursday PM.

Expedition Leader Comments:

Good dive. 2.2 knots of surface current. Sampling went well. Adjusted level wind during descent and had to do no other adjustments. One of the large Niskins spit a hose clamp and slid down enough to not fully close when tripped. I was advised this had small impact on Science.

Chief Scientist Comments:

The goal of this dive was to traverse a mound feature located at Savannah Banks, from the base to the top of the mound, imaging benthic organisms and their associated habitats and collecting specimens and environmental samples. We planned to collect multiple coral species, several sediment push cores, coral pots, rocks, water samples, and slurp mobile taxa, opportunistically. While we were unsuccessful at finding any rocks to sample as a consequence of the environment, we achieved all of the major dive objectives.

The current on bottom was challenging, but the pilots were able to efficiently maneuver and work with the currents. Despite these conditions, the pilots were able to make excellent collections. One of the niskins didn't close completely, but the issue was resolved prior to the next dive. Because the three other niskins fired, we had sufficient water for our sampling needs for the dive. Overall, this was a highly successful dive and the scientists are still working on the samples collected while we prepare for the next one.

Contact Numbers:

WHOI/NDSF

Vessel Other

Voice: 508 289 3445 (Cathy Offinger)

Mobile: 774 392 2986 (Matt Heintz)

Email: mheintz@whoi.edu