

ROV Jason Daily Report

Cruise Number: RB 19-03

Dive number: J2-1128

Chief Scientist: Erik Cordes

Report Date: 4/11/2019

Expedition Leader: Alberto Collasius Jr.

Prepared By: Expedition Leader

Vessel Location: Atlantic 32N 78W

Weather: Good for launch/ At limit for recovery

Dive Times: GMT

Dive Activities/Future Activities:

Coral pots, Push cores, Coral samples to quivers, Samples to Bio Box's, Reson and slurp mounted but not utilized

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

Completed Dive Summaries:

Vehicle Status: No problems with vehicle.

Weather Forecast:

Weather models have showers in your vicinity right thru Sat morning. Not much on satellite and radar right now. I think the best chance of a few showers will be tonight. I also think the windiest/roughest conditions will be late today thru tomorrow morning. Keep in mind, 1 heavy shower will be followed by a 30-60 minute wind speed lull, but on the leading edge of a heavy shower, winds could gust to 30-34 kts. Quietest conditions of the next 5 days will be Sat afternoon and evening. S winds will be increasing Sun and Sun night will feature strong, gusty winds and thunderstorms. Clearing skies Mon morning. Windy and rough, but it will start to improve Mon afternoon.

Expedition Leader Comments:

Great dive. Landed right on target. Typical first dive with a few teething pains. Wrap counter and dp to Control vans not functioning yet but should be soon. Bridge driving went very well. Sampling went well. As we started ascent the engineer had to go do wakeups and a bad wrap occurred that was noticed as soon as they got back. Had a little trouble adjusting levelwind but 1 call to Fred and we were getting things in order.

Chief Scientist Comments:

This was a very successful dive. The primary goal was to ground-truth our multibeam and test our conceptual models of coral distribution. We spent a good deal of time in the beginning of the dive going through the camera controls with our cinematographer, and he had some helpful pointers, primarily the utilization of the auto white balance button any time that the distance of the subject changes significantly (i.e. sitting down vs. transiting). We are also getting some of the kinks out in our use of the event logger and the video system, but this is to be expected for the first dive.

There were abundant live corals and mounds of coral rubble throughout. It was truly a target-rich environment, and we utilized most of the different types of sampling gear including the bioboxes, coral quivers, and coral (mussel) pots. All of the pilots did an excellent job with the various collections. We did not use the push cores because of the sediment type (there was no sediment), or the slurp sampler due to a lack of suitable targets. Some of the coral quivers were hard to reach, so we are going to adjust the placement of the cores and quivers on the swing arms. One of the bioboxes (our own, not Jason group's) came up a bit warm, so we worked on the seal during the surface interval. The science party commented that the niskins were in an excellent position and they worked well and the Jason group is thanked for their efforts in rigging these bottles.

Contact Numbers:

WHOI/NDSF

Vessel Other

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