

ROV Jason Daily Report

Cruise Number: RB 19-03

Dive number: J2-1132

Chief Scientist: Amanda Demopoulos

Report Date: 4/18/2019

Expedition Leader: Alberto Collasius Jr.

Prepared By: Expedition Leader

Vessel Location: Atlantic 35W 75.2W

Weather: Moderate for launch. Had a pretty good blow during ops. Delayed recovery to let it come down. Blew 30 knots for a few hours.

Dive Times: GMT

Dive Activities/Future Activities:

Coral pots, Coral samples to quivers, Push cores, rock collection, 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: Aft P+T had a .9 ground during dive. No impact on science.

Weather Forecast: Looks better for the next few days.

Expedition Leader Comments:

Very productive dive. 2.7 knots of current for launch. 4 knots of current during recovery. As it was a deeper dive wire angle was the best we had all cruise. Ship lost position 2 times because of Current/Wind combination. Very challenging recovery with current so hi. As we went to launch vehicle ship came to the end of a position move. It was noticed while unlatching. Good catch. I have spoken with bridge about not doing short position moves in high current areas

Chief Scientist Comments:

We had a great dive at Pamlico Canyon today. The seafloor at the start of the dive was composed of heavily sedimented, sloped terrain, with moderate marine snow in the water column. Throughout the dive, while heading upslope along the waypoints, we observed a few species of coral (*Acanthogorgia*, *Solenosmilia*, *Desmophyllum*) that occupied the underside of ledges and several brisingid seastars on the sides of steep features. Push cores were collected at the base of the canyon, and along the steps opportunistically. Several coral samples were collected into the quivers, bioboxes, and coral pots, sometimes on the fly with a scoop against steep walls.

The dive was incredibly productive, despite some major sampling challenges due to the steep cliffs and locations of target specimens. The pilots did a great job with the difficult sampling and the scientists met all of their collection objectives. Despite the high current

conditions throughout the dive and weather that came on toward the latter half of the dive, the ROV and ship operators were able to keep the ROV in the water, on the bottom, and sampling. Great work!

Contact Numbers:

WHOI/NDSF

Vessel Other

Voice: 508 289 3445 (Cathy Offinger)

Mobile: 774 392 2986 (Matt Heintz)

Email: mheintz@whoi.edu