

ROV Jason Daily Report

Cruise Number: RB 19-03

Dive number: J2-1137

Chief Scientist: Amanda Demopoulos

Report Date: 4/29/2019

Expedition Leader: Alberto Collasius Jr.

Prepared By: Expedition Leader

Vessel Location: Atlantic 32.4W 76.2W

Weather: Fair for launch, 24 knots of wind for recovery

Dive Times: GMT

Dive Activities/Future Activities: Coral samples to quivers, Mussel pots, Push cores, rock collection, Samples to Bio Box's, Slurp and push cores

Reason for Dive Termination: Allotted time up

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
J2-1130	4/17	554	1:19	1:06	8:42	11:07	60:47	0
J2-1131	4/17-4/18	1365	1:55	2:10	13:27	17:32	10:27	0

J2-1132	4/21-4/22	1840	2:53	1:15	23:40	27:48	71:37	0
J2-1133	4/23	355	1:10	:32	9:28	11:10	9:15	0
J2-1134	4/24	477	:51	:35	14:46	16:12	7:39	0
J2-1135	4/25	1030	2:05	1:02	2:39	5:48	25:54	0
J2-1136	4/27-4/28	2169	1:33	1:45	8:46	12:04	21:09	0

Completed Dive Summaries:

Vehicle Status: Vehicle in very good working order

Weather Forecast: Fair seas and Moderate winds

Expedition Leader Comments: Great dive. No problems at all.

Chief Scientist Comments: This dive at Cape Fear helped us groundtruth some seep targets identified by Sentry in 2012. We found extensive bacterial mats, what appeared to be frenulate tubeworm patches, and carbonate rock. On several rock features we found corals, including *Anthomastus* and *Chrysogorgia*, and large sponges, as well as different fishes. We encountered odd shaped tubular mud rocks that have been previously observed at the northeast US Canyons. All of the collections were challenging due to the extremely swift currents at depth (even at 2600m!), complex bathymetry, and fragile specimens, but the pilots rose to the challenge and accomplished all of our dive objectives. Great job!

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Vessel Other

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