Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-344 Date: NOVEMBER 9, 2017

Observer 1: NIKKI MORGAN

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: DANIELLE SCHIOREN TI

Affiliation: TEXAS A&M UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7P, HYCO

Samplers/Sensors: 3 BIO BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE MOSHLYK

Dive Location: EAST NORTHAMPTON SEAMOUNT

Latitude: 25°25.156'N

Longitude: 171°58.445'W

Time of Dive: 0824

Time of Surface: 1426

Time Submerged: 6:02

Time Thru Last Dive: 2340:37

Total Time to Dive: 2346:39

Dive Depth: 751m

Water Depth: 751m

Water Temperature: not recorded

Visibility: very good, 20+m

Dive Narrative: CORAL HABITAT SURVEY IN PROTECTED MONUMENT WATERS.
0922 751m land on the bottom in an area of very large basalt boulders with pockets of sediment. 0920 move upslope toward the 400m contour, looking for samples of opportunity. 0925 730m collect small NARELLA, then continue upslope. 0942 716m collect CHRYSOGORGIA and a sponge sample at 25°25.139'N, 171°58.458'W. Continue upslope to S. 0950 684m collect PARIPTEROPICEA and NARELLA, IRIDOGORGIA, PARAGORGIA and CALYPTOPHORA at 25°25.117'N, 171°58.461'W. 1018 continue upslope to S, transitioning from basaltic island core to seaward atoll carbonate. 1034 573m collect CHRYSOGORGIA at 25°24.994'N, 171°58.484'W. 1040 continue upslope. 1100 arrive at the 400m contour at 25°24.830'N, 171°58.586'W. 1106 contour W at 400m. 1113 402m collect P. SECUNDUM at 25°24.864'N, 171°58.662'W. 1119 continue to contour at 400m. 1122 406m collect P. SECUNDUM samples until sample jars are all populated. 1222 407m sampling complete at 25°24.872'N, 171°58.728'W. 1227 moving E to rendezvous with P5 which is sampling at 575m, about 950m away. 1321 ~565m completed GoPro footage of P5 in vertical terrain. Moving off to ...

→ OVER →

Pilot's Signature: Date: 11-27-17

Operations Director: Terry Kerby Date: 11-30-17

P4-344 (cont.)

... set up for P5 filming P4.

1327 P5 reports manipulator and utility hydraulic failure and announces dive abort.

1338 Standing by to leave bottom as soon as surface ops is ~~test~~ ready.

1342 leave bottom from 579m.

Normal recovery.