Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-256 Date: OCTOBER 14, 2011

Observer 1: AMY BACO-TAYLOR

Affiliation: FLORIDA STATE UNIVERSITY Dive Location: NECKER RIDGE

Observer 2: NIKKI MORGAN Latitude: N° 21:38.057'

Affiliation: FLORIDA STATE UNIVERSITY Longitude: W° 167:49.276'

Purpose: (Research) Training Test Time of Dive: 0838

Other: Time of Surface: 1706

Special Equipment: Time Submerged: 8:28

Cameras: MINI-ZEUSS HD, ROS SD Time Thru Last Dive: 1807:49

Manipulators: ORION 7-P, HYCO Total Time to Dive: 1816:17

Samplers/Sensors: CTD-DO, 3 BIO BOXES, 2 SEDIMENT SCOOPS Dive Depth: 1748

Water Depth: 1748

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: REFER TO CTD LOG

Captain: CLARY GUTZEIT Visibility: EXCELLENT 30+ m

Dive Results/Remarks: CORAL SYSTEMATICS ON NECKER RIDGE DIVE. 1041 1748m land on the bottom on a rocky slope with sand pockets. 1129 after lengthy trim & ballasting period, collect crinoids and sponges near landing site. 1142 1744m begin 15 min ~~transect~~ video transect at 1745m to E. 1206 1747m end of transect #1. 1218 Back track along transect route to collect specimen of interest. 1321 move upslope to 1600m. 1328 1705m collect a sponge in very strong current out of NW. Currents were benign before that. 1334 continue upslope to N. 1349 1634m collect coral sample. 1400 continue upslope to N. 1404 1627m collect sponge with crinoid. 1411 continue upslope. 1416 arrive at 1601m. 1420 begin 15 min video transect to NE. 1437 1596 m end transect #2 in very strong and variable current regime. Collect coral sample. 1443 contour at 1600 m, current now upslope. 1448 1590m collect samples. 1500 start video transect at 1590m to W. Current now strongly downslope. 1517 1589m end transect #3. Collet bathypathes fan. 1523 move upslope to N against strong current. 1530 1567m collect sponge sample. 1538 1567m leave bottom. Normal recovery.

Pilot's Signature: [signature] Date: 10-15-11

Operations Director: Terry Kerby Date: 10-16-11

For equipment deficiencies, refer to maintenance logs.