Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: HAX CREMER Dive #: PISCES IV 183 Date: NOVEMBER 16, 2006

Observer 1: KIM PAYTON

Affiliation: UH BOTANY DEPT. Dive Location: OFF MAENA PT., OAHU

Observer 2: MATT ROSS Latitude: 20° 37.284' N

Affiliation: UH BOTANY DEPT. Longitude: 158° 17.988' W

Purpose: (Research) Training Test Time of Dive: 0801

Other: Time of Surface: 1312

Special Equipment: Time Submerged: 5:11

Cameras: SONY DV, ROS COLOR Time Thru Last Dive: 1321:45

Manipulators: ORION, HYCO Total Time to Dive: 1326:56

Samplers/Sensors: CTD-DO, BIO BOX, Dive Depth: 103 m

COVERED BOX, PORE WATER SAMPLER Water Depth: 103 m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: 21.8°C @ 103m

Captain: ROSS BARNES Visibility: GOOD, 20+ m

Dive Results/Remarks: ALGAE COLLECTION DIVE. 0819 103m land on bottom in a flat, sandy area. 0829 move upslope to SE. 0845 94m collecting samples. Continue upslope to SE. 0859 92m collect samples. 0911 continue upslope to SE. 0915 92m collect samples, then continue to SE. 1004 85m collect samples, then continue SE. 1019 83m collect samples 1041 Discontinue ORION operation due to RTF/TELLUS leakage from unidentified source in manipulator system. Decide to shorten dive in order to trouble through manipulator uncertainties. 1050 continue upslope to SE. 1107 70m terrain changes from sobolible cover to sand only. Continue to SE. 1140 57m decide to use ORION to collect SANSONE sampler. Pore water sampling routine complete at 1207. 1209 continue upslope to SE. 1218 56m observing large octopus in open, sandy flats. 1228 moving SE. 1235 54m collect sample. 1256 leaving the bottom from 53m. Make a normal recovery.

Equipment Deficiencies: MAIN MANIPULATOR OIL LEAKAGE FORCED EARLY RECOVERY.

Pilot's Signature: Date: NOVEMBER 17, 2006

Operations Director: Terry Kerby Date: November 18, 2006