

## PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-676 Date: SEPTEMBER 29, 2006

Observer 1: FRED GURGEL

Affiliation: SMITHSONIAN Dive Location: PENGUIN BANKS

Observer 2: BRENT YAMAMOTO Latitude: 20° 55. 723' N

Affiliation: UH HILO Longitude: 157° 31. 950' W

Purpose: Research Training Test Time of Dive: 1217

Other: \_\_\_\_\_ Time of Surface: 1654

Special Equipment: \_\_\_\_\_ Time Submerged: 4:37

Cameras: SONY DV, ROS COLOR Time Thru Last Dive: 4543:21

Manipulators: TITAN 7F, HYCO Total Time to Dive: 4547:58

Samplers/Sensors: RUDIE FLUOROMETER, Dive Depth: 223 m\*

CTD-DO, BIO BOX, 2 NISKIN SAMPLERS Water Depth: 393 m

Support Vessel: R/V KAHIMIKAI-O-KANALOHA Water Temperature: REF. CTD DATA

Captain: ROSS BARNES Visibility: GOOD, 20 + m

Dive Results/Remarks: ALGAL SYSTEMATICS DIVE. \*Maximum dive depth of 223m was reached during descent while breaching N to shallower water in order to avoid destruction of data logging instrument. 1505 218m lead on bottom in near vertical, clean swept carbonate terrai. 1510 moving N toward work site. 1518 192m collect samples of soft coral. 1528 continue upslope to N. 1548 110m collect Liliureda samples. 1551 move upslope to N. 1446 105m arrived at an area containing the correct algal species, ULVA, to conduct fluorometry experiments. 1554 105m deployed fluorometer and data logger and captured ULVA blade. Data logger fails to initiate sampling sequence. Continue to collect samples for remainder of dive. 1625 triggered one Niskin sampler and then collected sampling gear to prepare for ascent. 1632 leaving bottom from 106m. Make a normal recovery.

Equipment Deficiencies: lubel air leak required dive to be conducted with closed air hull stops.

Pilot's Signature: 

Date: SEPTEMBER 30, 2006

Operations Director: 

Date: Sept. 30, 2006