

## PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-580 Date: SEPTEMBER 22, 2004  
 Observer: JOHN RUNCIE  
 Observer Title/Affil.: Inst. of Technology, Sydney, Australia  
 Observer: FRED GURGEL  
 Observer Title/Affil.: U LOUISIANA  
 Purpose:  Research  Training  Test  
 Other: \_\_\_\_\_  
 Special Equipment (Cameras, Manipulators, Samplers, etc.)  
SONY DV, ROS COLOR, CTD, HYCO, TIRAN, LIGHT METERS, FLUORESCENCE METER  
 Support Vessel: R/V KAHUKAI-O-KANALOHA  
 Captain: ROSS BARNES

Dive Location: PENGUIN BANKS  
 Latitude: N 20:55.900  
 Longitude: W 157:32.000  
 Time of Dive: 0809  
 Time of Surface: 1605  
 Time Submerged: 7:56  
 Time Thru Last Dive: 3791:35  
 Total Time to Dive: 3799:31  
 Dive Depth: 132 m  
 Water Depth: 132 m  
 Water Temperature: \_\_\_\_\_  
 Visibility: MOSTLY CLEAR, 20+ m

Dive Results/Remarks: Algae survey and collection dive. 0827 land on flat, sandy bottom in 85m water depth. Observe ~1.5 knot current from NNW. 0844 move to W. 0854 80m intend to take fluorescence measurements on leaf-like coral. Data acquisition computer (top top) fails to boot. 0954 move downslope to N. 1005 71m collect fluorescent corals, colors are green and orange. 1016 continue to N. 1023 76m collecting leaf-like samples. 1043 continue to N. 1049 102m reach contour depth to find MARKER 30. 1105 locate MARKER 30. 1115 102m collect data logger and probe. 1129 98m collect MARKER 30. 1131 move downslope to 120m. 1138 124m contour to WNW. 1148 110m contour to SE. 1159 115m collect algae samples. 1218 move downslope to 130m. 1229 130m contour to E. 1231 132m collect algae samples. 1258 move upslope to S. 1302 129m collect algae samples. 1310 129m continue upslope to S. 1328 contour SE at 100m. 1338 move upslope to S. 1349 84m collecting codium balls. 1404 82m continue upslope to S. 1411 72m collecting algae samples. 1422 continue upslope to S. 1435 move back downslope to 80m, then contour to E. 1453 84m collect algae samples. Equipment Deficiencies: 1505 continue to contour to E at 80m-90m. 1527 91m collect algae samples. 1549 91m leave bottom. Make a normal recovery.

Pilot's Signature: \_\_\_\_\_

Date: SEPT. 24, 2004

Operations Director: \_\_\_\_\_

Date: 9/25/04