

## PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-563 Date: SEPTEMBER 4, 2004  
 Observer: HEATHER SPALDING  
 Observer Title/Affil.: UNIVERSITY OF HAWAII Dive Location: PENGUIN BANKS  
 Latitude: N 21: 01.4  
 Observer: FRANK SAUSONE Longitude: W 157.17.5  
 Observer Title/Affil.: UNIVERSITY OF HAWAII Time of Dive: 0814  
 Time of Surface: 1636  
 Purpose: Research Training Test Time Submerged: 8:22  
 Other: \_\_\_\_\_ Time Thru Last Dive: 3673:49  
 Special Equipment (Cameras, Manipulators, Samplers, etc.) Total Time to Dive: 3682:11  
SONY DV, ROS color, CFD, HYCO, Dive Depth: 250 m  
TITAN, ROSEITE SUCTION SAMPLER Water Depth: 250 m  
 Support Vessel: R/V KAHIKAH-O-KANALOA Water Temperature: 14.5°C @ 250m  
 Captain: ROSS BARNES Visibility: CLEAR - 20+ m

Dive Results/Remarks: Algae survey and collection dive. Also, a  
prototype pore water sampler developed by F. Sausone was  
tested. 0839 land on bottom in 250m. 0855 begin moving upslope  
to the north east. 0924 collect algae sample in covered basket @ 208m.  
0932 collect algae sample in covered basket @ 206m. 0949 176m collect suction  
sample of algae. 1020 146m collect rock sample with green and pink algae  
in covered basket, size of sample is 10x6 cm. 1029 moving upslope to the  
north. 1134 124m moving upslope to the north. 1157 122m continuing to fill  
buckets in suction sampler. 1213 114m collect algae sample in open basket,  
then continue to the north and upslope. 1235 collect more suction samples at  
111m. 1450 89m tested Sausone's sampler successfully. 1315 collect last suction  
sample, #1. 1315 87m continue upslope to the north. 1552<sup>80m</sup> encounter large scale  
coverage of Halimeda algae. 1603 80m sample attempt of new algae species failed  
 Equipment Deficiencies: due to strong current. Sausone's sample was destroyed  
during the effort. Leave the bottom from 80m at 1612. Make a normal recovery.

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

Date: SEPTEMBER 6, 2004

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

Date: SEP 7, 2004