
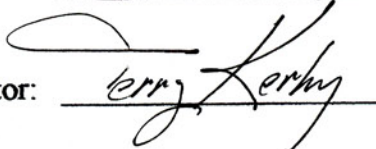


PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-653 Date: JULY 20, 2005  
 Observer 1: BRUCE MUDDY  
 Affiliation: NATIONAL MARINE FISHERIES SV. Dive Location: OFF JARVIS ISLAND  
 Observer 2: JIM MARAGOS Latitude: S 00: 23. 075  
 Affiliation: NATIONAL FISH & WILDLIFE SV. Longitude: W 160: 01. 514  
 Purpose: Research Training Test Time of Dive: 0800  
 Other: \_\_\_\_\_ Time of Surface: 1605  
 Special Equipment: \_\_\_\_\_ Time Submerged: 8:05  
 Cameras: SONY DV, ROS COLOR/BW, HAND HELD STILL Time Thru Last Dive: 4364:20  
 Manipulators: HYCO, TITAN 7F Total Time to Dive: 4372:25  
 Samplers/Sensors: CTD - DO, COVERED CRATE Dive Depth: 746 m  
BIO BOX, 3 SEDIMENT SCOOPS, 1 SW. SCOOPER Water Depth: 746 m  
 Support Vessel: R/V KAIMIHAU - O-KANALOA Water Temperature: refer to CTD data  
 Captain: ROSS BARNES Visibility: VARIABLE: CLEAR 20+ m  
to fair 10 m

Dive Results/Remarks: FISHERIES SURVEY DIVE AS WELL AS RENDEZVOUS WITH PISCES IV. 0847 746 m Land on sea floor in flat, sedimented area, light density of cnivoids observed. 0853 move upslope to NE, encountering one large cook shark and one electric ray on the way. 0921 PISCES IV lands at 676 m, about 150 m to N of PISCES V. 0924 move toward P4. 0945 670 m collect fossil cleidrophilid coral and one sponge with 4 brittle stars. 0950 taking footage of P4. 1007 move upslope to 500 m contour. 1046 496 m deploy Marker 47 and Parish logger #8 ("FLOWER POT"). 1052 start transect #1 to N, 35 min. 1136 495 m complete transect #1, took several stops to get video and still images. 1151 move upslope to 450 m. 1206 459 m start transect #2 to SE, 35 min. 1256 450 m complete transect #2 after several stops. 1303 move upslope to 400 m. 1318 396 m start transect #3 to W, 35 min. 1403 398 m complete transect #3. 1407 move upslope to 350 m. 1430 347 m start X sect #4, 350 to E, 35 min. 1525 341 m complete transect #4 after several stops.  
 Equipment Deficiencies: 1530 leave bottom from 341 m. Make a normal recovery.  
DEFICIENCIES: DIGITAL DEPTH SENSOR IS USELESS WHILE THRUSTING.  
STARBOARD HMI LIGHT IS UNRELIABLE.

Pilot's Signature:  Date: JULY 22, 2005  
 Operations Director:  Date: 7/23/05