

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-588 Date: October 9, 2004
 Observer: ROB DUNBAR
 Observer Title/Affil.: STANFORD U Dive Location: CROSS SEAMOUNT
 Observer: GEOFF SHESTER Latitude: N 18:43.954
 Observer Title/Affil.: STANFORD U Longitude: W 158:15.695
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0813
 Special Equipment (Cameras, Manipulators, Samplers, etc.) Time of Surface: 1645
SONY DV, ROS COLOR, HYCO, TITAN Time Submerged: 9:32
CTD-DO profiler Time Thru Last Dive: 3856:36
 Support Vessel: R/V KAHUKAI-O-KAWALOHA Total Time to Dive: 3865:08
 Captain: ROSS JARVES Dive Depth: 439 m
 Water Depth: 439 m
 Water Temperature: 9.3°C @ 439 m
 Visibility: CLERR 20+ m

Dive Results/Remarks: Coral survey and collection dive. 0844 land on seafloor in rocky terrain at 439 m. 0857 moving to E. 0907 436m collect corallivore beryllia. 0916 continue to E. 0922 430m observing and collecting corallivore. 0939 continue E. 1012 410m collect coral sample. 1045 move upslope to ridge crest. 1058 415m collect large, dead gerardia stump. 1100 continue upslope. 1115 413m collect large, live gerardia. 1118 noted interference on ROS camera monitor. 1133 move to SSW. 1137 411m collect dead gerardia stump. 1141 continue to SSW. 1204 move to NW, then turn E toward "Coral Gardens". 1208 428m collect corallivore. 1217 continue to NW, then intend to turn E. 1240 428m collect coral sample. 1251 continue E towards "Coral Gardens". 1309 404m arrive at "Coral Gardens" pinnacle. 1336 392m at "Flower Pot" #10. 1356 continue survey of "Coral Gardens". 1429 394m collect large, live gerardia. 1440 move S toward "Jurassic Park". 1505 414m collect corallivore. 1515 continue to SSW. 1536 400m collect small gerardia stump. 1540 continue SSW. 1610 leave bottom from 340m. Make a normal recovery.

Equipment Deficiencies: Electronic interference on ROS color monitor; Titan manipulator software and slave arm erratic at times. Adjusted set screws on master arm wrist to take function. Computer "froze" on ascent for no apparent reason, aborting upward CTD-DO profile.

Pilot's Signature:  Date: October 10, 2004

Operations Director:  Date: Oct. 11, 2004