

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-590 Date: OCTOBER 11, 2004
 Observer: BRANDON ROARK
 Observer Title/Affil.: U BERKELEY Dive Location: CROSS SEAMOUNT
 Observer: TOM GUILDERSON Latitude: N 18:44.052
 Observer Title/Affil.: LAWRENCE-LIVERMORE Longitude: W 158:15.702
LABORATORIES Time of Dive: 0812
 Purpose: Research Training Test Time of Surface: 1648
 Other: _____ Time Submerged: 8:36
 Special Equipment (Cameras, Manipulators, Samplers, etc.) Time Thru Last Dive: 3823:41
SONY DV, ROS COLOR, ROS BW, HYCO, Total Time to Dive: 3802:17
TITAN, CFD-DO SENSOR Dive Depth: 459m
 Support Vessel: RV KAIMIHA-O-KANALOA Water Depth: 459m
 Captain: ROSS BARNES Water Temperature: 7.7°C @ 459m
 Visibility: CLEAR 20+ m

Dive Results/Remarks: Coral survey and collection dive for Rob Dunbar, U Stanford.
0843 land on bottom in 447m water. Seafloor is sandy with interspersed rocks. 0854 446m attempt
 to collect calcareous cup coral failed due to fragile nature of the coral and poor sampling equipment.
0912 move WSW. 0927 447m collect small Gerardia. 0942 continue to W. 1053 423m change
 course to E. 1118 422m followed several large cookie sharks, terrain is rocky and sandy without
 much relief. 1153 403m collect live Gerardia sp. 1221 move S toward "Jurassic Park"
 Pinnacle. 1225 403m collect Rameellid coral. 1236 390m area of large Gerardia and good diversity.
18:43.486, 158:15.708. 1251 390m collect large, live Gerardia with monofilament line draped
 over it. 1258 collect medium size dead Gerardia stumps. 1304 continue upslope. 1331 move upslope
 toward summit of "Jurassic Park" pinnacle. 1401 355m observed and filmed numerous (8-10)
 large cookie sharks and one large grey shark. One cookie had polypropylene sling cutting deep
 into flesh just forward of gills. 1405 move downslope to E. 1424 400m move S. 1453 376m
 encounter area of large Gerardia specimen, densely populated on slick-edge ridges 18:43.091
 Equipment Deficiencies: 158:15.607. 1549 377m collect two dead Gerardia stumps.
1610 377m leave the bottom. Make a normal recovery. No equipment failures.

Pilot's Signature: _____

Date: October 12, 2004.

Operations Director: _____

Date: October 13, 2004