

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number P5-251
 Observer M. Bertram Wt. _____ Date Oct. 4, 1993
 Observer Title/Affil. _____

Observer Rolf Arveson Wt. _____
 Observer Title/Affil. _____

Dive Location Penguin
 Lat. ^{1st site} 20°45.047 Long. 157°40.78
^{2nd site} 20°45.725 Long. 157°40.015

Purpose: Research Training Demo
 Other _____

Special Equip.: _____
 Camera (type) Sony Hi.8 - Panasonic - Photo Sea
 Manipulator Schilling (Titan II) - HYCO
 Other Collecting box

Support Vessel R/V Kila Captain R. Barnes

Dive Results/Remarks: Dive to locate settling tray sites⁽²⁾ deployed Sept. 27, 1991.
Launch over a depth of 1800m. Set N. by current. Land on a steep soft
silt bottom in 1515m. Moving to the SSE down slope at 0935. 1033 @ 1870.
Tracking 13KHz signal from deep site xPDR. 1100 1865m locate deep site.
Collect brittle star, sponge, bottom growth & rock. Recover tray and xPDR. 1216 Begin
moving upslope to second site. Moving on a compass heading of 330° mag.
Pass basalt pillow formations, and layers of crumbly basalt and carbonate material
1216 Begin moving up vertical basalt wall from 1390m Move East at 1300m
level for 10 minutes. Turn around and go westerly. 1324 Locate second
site. Recover two settling trays and take second sediment sample. (1st sample taken
at deep site) Move upslope, collect gorgonian (morella). All mission objectives
accomplished. Begin moving upslope. Junction box water alarm sounds. Leave the
bottom from 1300m. Make a normal recovery. Seas Calm.

Equipment Deficiencies: Junction box water alarm sounds after dive mission
complete.

Pilot T. Kerby Date 10/5/93
 Ops. Mgr T. Kerby Date 10/5/93