

V
PISCES ~~IV~~ DIVE REPORT

Pilot: Terry Kerby Dive #: PV-599 Date: October 24, 2004
 Observer 1: Craig Moyer
 Affiliation: University of Washington Dive Location: Loihi, South Rift, Naha
 Observer 2: _____ Latitude: 18° 53.425' N
 Affiliation: _____ Longitude: 155° 15.199' W
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0802
 Special Equipment: _____ Time of Surface: 1703
 Cameras: Sony DV ROS Color Time Submerged: 9:01
 Manipulators: Titan-HYCO Time Thru Last Dive: 3952:18
 Samplers/Sensors: Gas tight & major Total Time to Dive: 3961:19
water samplers. Dive Depth: 1366m
 Support Vessel: R/V Kaimikai-O-Kanaloa Water Depth: 1366m
 Captain: Ross Barnes Water Temperature: 3.2°C @ 1366
 Visibility: 15m

Dive Results/Remarks: Survey and sample hydrothermal vent
sites at Naha vents. 0927 1366m Land in rocky terrain of
large pillow basalts. 0952 Move to the NW to locate Naha
vents. 1010 Locate a crustacean that looks like a trilobite.
1107 1325m Land at a pillow basalt feature that looks like the Naha site.
Get a temp of 5.5°C from a weak vent. 1130 Move SE over a crack and locate
marker #6. 9.8°C temp at #6 vent. 1157 1323m Move across Naha
Cracks to #1. Locate and collect old Beetraps 11 & 15. Temp at #1 site is
ambient, 3.1°C Move to #3 at 1323m. 6.3°C in vent at #3. 1248 Move
back to #6 at 1323m. Take major samples, gas tight water sample and rosette
(8) bucket samples 9.8°C at #6. 1435 Move north. Move up south
rift over rugged pillow basalt terrain. No other signs of
active venting. 1531 Ascend a steep wall and ridge to the top of
Kepo's vents at 1224m. 1537 Leave the bottom from Kepo's
mound. Make a normal recovery.

Equipment Deficiencies: Grounds in lights.

Pilot's Signature: Terry Kerby

Date: 10/28/04

Operations Director: Terry Kerby

Date: 10/28/04