

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-598 Date: October 23, 2004
 Observer 1: Colin Wallerman
 Affiliation: HURL sub ops. PIT Dive Location: Loihi, Pit dive.
 Observer 2: Dave Emerson Latitude: 18°54.411'N
 Affiliation: _____ Longitude: 155°15.739'W
 Purpose: Research Training Test Time of Dive: 0805
 Other: _____ Time of Surface: 1722
 Special Equipment: _____ Time Submerged: 9:17
 Cameras: Sony digital - Pro Color Time Thru Last Dive: 3949:09
 Manipulators: Titan - Hyco Total Time to Dive: 3952:18
 Samplers/Sensors: Gas tight - majors, Bact traps Dive Depth: 1326
slide traps Water Depth: 1326
 Support Vessel: R/V Kaimihai-o-Kanaloa Water Temperature: 3.5 °C
 Captain: Ross Barnes Visibility: 6 m at 1326

Dive Results/Remarks: Sample and survey of hydrothermal vent sites.
0908 Land on a steep talus slope in 1119m. Move upslope to 1104m
 contour to the southeast. 0932 Locate marker #18. Collect 510 sampler.
0945 Begin descent into pit. 1024 Land in bottom of pit in 1326m.
 Move to the northeast. Move upslope to 1310m. Contour to the south east.
1045 At Boiling Pot site. Upslope current. Discover Bactrap & slide trap
 from marker #39 site have fallen down the wall. Recover samplers
 and move upslope to Marker #39 site. Recover mtr end marker and move
 to more stable site of other Bactrap. Redeploy marker #39 and samplers.
 Move up vertical wall in search of another sample site. 1152 1302m. Locate
 vents at base of Hiolo wall. Temp. 56.2°. 1205 Collecting samples and
 deploying samplers and marker #36. 1308 1310m. At Boiling Pot site.
 Move to the southeast to locate #38. Recover shrimp trap. Move back
 to boiling pot site. 1342. 1356 At Boiling Pot site. Move to marker #29. Move upslope to
 Equipment Deficiencies: Jet vent rock. Recover an old temp. probe. Move to top of jet vent
rock and 50 m to NW to wall. Ascend wall to 1075m. Too high. Drop down to 1175m contour to the
East, then back west to locate Lohiizu vents. Located #24 & #5 markers at Lohiizu. Some venting
get temp of 26°C. Bad silt cloud. No vis. Move away from the wall and release wts. at 1166m. Ascend to surface.

Pilot's Signature: Terry Kerby Date: 10/23/04
 Operations Director: TRK Date: 10/23/04