

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer CO-Pilot C. Holloway Wt. _____
 Observer Title/Affil. HURL Sub ops

Dive # PV-342
 Date Sept. 21, 1997

Observer Frank Sansone Wt. _____
 Observer Title/Affil. W of H

Time of Dive 0821

Dive Location Loihi, South Rift

Time of Surface 1758

Lat. 18° 53.47' N Long. 155° 15.285' W ^{Naha Vents}

Time Submerged 9:37

Purpose: Research Training Demo

Time Thru Last Dive 2086:40

Other: _____

Total Time to Dive 2096:17

Special Equipment:

Dive Depth 1341^m

Camera (type) Sony, Panasonic, Photosea

Water Depth 1341^m

Manipulator Titan, HYCO

Water Temp. 4.0°C @ 1325^m

Other Lupton Samplers, Major, Rosette, scoops.

Visibility _____

Support Vessel R/V Kaimikai-O-Kanaloa

ABT # at Neutral _____

Captain Bob Hayes

Dive Results/Remarks: 0939 On the bottom in 1341^m on a large pillow flow area. Begin moving WSW @ 0948, 1001 At Naha vents marker #3 crack. Move E. from marker #3 1006. At osmo sampler & marker #1. Collect bacterial Mat. Vent temp. 11°C. Take 2 Lupton samplers. Take two major samplers. Decide to move to #3 and check vent temp. before deploying new osmo. Move SE down E. crack, then over to mid crack. Move NW up mid crack to #6, then West to #3. Vent temp. 11°C. Cell to surface to surface verifies sampler to be left at site #1. Are halted by zero visibility from silt cloud. No current. Wait from 1217 to 1230. Move up out of cloud and E. Locate site #1. 1238 Recover old Osmo sampler. Deploy new Osmo. Equipment Deficiencies: in same position at site #1 1325^m. Move N. up a steep pillow formation wall from 1325^m to 1289^m. Drop down N side of cliff to 1338^m. Continue moving N. Sed. scoop of black sand. Move up and down pillow cone cliffs. Discover vents at Kapos Mound vent temp. 15°C at 1233^m. Move upslope to summit at 1223^m. Covered with mat. Move N. @ Pohaku Vents at 1195^m @ marker #27. Collect samples. No venting at #27. Samples at weak vent. 11°C 1633 Leave the bottom.

Pilot T. Kerby

Date 9/23/97

Ops. Mgr. TK

Date 9/23/97

NAHA VENTS 18° 53.47' N 155° 15.285' W
 POHAKU VENTS 18° 54.065' N 155° 15.480' W