

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer A. Malshoff Wt. _____
 Observer Title/Affil. HURL

Dive # PV-387
 Date Sept. 28, 1998

Observer Bill Kurtis Wt. _____
 Observer Title/Affil. A&E

Time of Dive 0820
 Time of Surface 1710
 Time Submerged 8:50
 Time Thru Last Dive 2430:44
 Total Time to Dive 2439:34
 Dive Depth 1327
 Water Depth 1327
 Water Temp. 3.9°C
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, Peles Pit
 Lat. 18° 54.3'N Long. 155° 15.75'W
 Purpose: Research Training Demo

Other: _____
 Special Equipment:
 Camera (type) Photosea, Sony, Panasonic
 Manipulator Titan, Hyco
 Other _____
 Support Vessel R/V Kaimikai-O-Kenaloa

Dive Results/Remarks: Pele's Pit vent site survey dive with

Bill Kurtis of A&E for a "New Explorers" program. 0925
1208m. Land on a steep talus slope on the west flank
of the Loihi summit. Move upslope to the East to the
scarp at the edge of Pele's Pit. Locate marker #18@
1104m when we intersect the scarp. 1002 Begin descent into
the pit. 1032 Land on bottom of pit in 1308m 1050
Moving NE. Locate a vent site with diffused venting
along a ridge that trends upslope to the East. Take a
titanium sampler. Test vent temperature. 31°C. Deploy
marker #8 at new site. (Kurtis Vents) Continue moving
N/E to NNW. Locate Ikaika vents at 1309m @ marker #20.
Take sonar images. 1235 Move to marker #42. Sonar
Images at #42. Move up to Hot Vent site. Temp. at hot
 Equipment Deficiencies: vent site 153°C. Collect crust. 1404 1297m
Moved up to lower jet vent site. Temp. 162°C. Collect samples.
Move to marker #33 after surveying wall to East of jet Vents.
Move to the bottom of the pit. 1532 Leave the bottom. 1327m

Pilot Terry Kerby
 Ops. Mgr. [Signature]

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