

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Mex Cremer - PIT Wt. _____
 Observer Title/Affil. HURL

Dive # PV-499
 Date November 12, 2002

Observer Hubert Staudigal Wt. _____
 Observer Title/Affil. SIO

Time of Dive 0818
 Time of Surface 1646
 Time Submerged 8:28

Dive Location Leihi - Pele's pit.

Lat. 18° 54.45 Long. 155° 15.75 Launch Pos. 1.

Time Thru Last Dive 3182:26

Purpose: Research Training Demo

Total Time to Dive 3199:54

Other: _____

Dive Depth 1327m

Special Equipment:

Water Depth 1327m

Camera (type) Sony digital - ROS. Color-B&W

Water Temp. 2.6°C @ 1327m

Manipulator Titan - Hyco

Visibility _____

Other _____

ABT # at Neutral _____

Support Vessel R/V Kaimikai - O-Kanaloa

Captain Ross Barnes

Dive Results/Remarks:

Dive into Pele's pit to deploy samplers in vent site. 0939 1134m On the bottom on a steep talus slope. 1007 At marker #18. 1018 Begin descent into the pit from #18. 1113 1327m. On the bottom of the pit. Move upslope. 1140 At old boiling pot site at 1311m. Note some weak venting through recent rockfall rubble. Move up the wall. 1148 1263m At #48. Temp. probe in surface temp. 6.0°C 75.5°C in vent area. 1326 Deploy 2 pipe charges. Deploy funnel sampler. Move to SE of #48 1336 1267m Deploy 2 W/HOI charges #5 & #6. 1355 Moved up vertical wall from 1267m to summit of peak at 1200m. Position at top of tower. 18° 54.326'N x 155° 15.414'W. 1405 Move across pit in midwater to the NW at 1200m towards North wall. 1454 1129m Locate weak venting. Temp. 23.2°C. Very unstable area. Thruster blasts from Pisces V generates rockfall into the pit. Equipment Deficiencies: Locate an area with many nontronite chimneys and weak venting. 1530 Slurp bucket #2 & #3 at 1126m. 1538 Leave the bottom. Make a normal recovery. Seas Calm

Pilot Terry Kerby

Date 11/15/02

Ops. Mgr. SKL

Date 11/15/02