

PISCES V DIVE REPORT

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

Dive # PV-546
 Date December 4, 2003

Observer Hubert Staudigal Wt. _____
 Observer Title/Affil. Scripps Institute of Oceanography

Time of Dive 0817
 Time of Surface 1810
 Time Submerged 9:53
 Time Thru Last Dive 3560:55
 Total Time to Dive 3570:48
 Dive Depth 1327m
 Water Depth 1327m
 Water Temp. 3.1°C
 Visibility _____
 ABT # at Neutral _____
 Captain Ross Barnes

Dive Location Loihi. Pele's Pit
 Lat. 18°54.477'N Long. 155°15.749'W
 Purpose: Research Training Demo
 Other: _____
 Special Equipment:
 Camera (type) Sony Digital - ROS Color
 Manipulator Titen Hyco
 Other Nishin Bottles
 Support Vessel R/V Kaimikai - O-Kanaloa

Dive Results/Remarks: 0822 Pisces V in water off of lift line on tow.
A high ground is detected in the battery box alarm system during
the in-water checks. 0829 Pisces V back on deck. Problem is corrected
0928 P-V launched. 1019 1094m. Land on a steep talus
slope. 1038 Take suction sample of bacterial mat. 1043 Move downslope
to 1104m, contour to the E. 1107 Locate marker 18 at 1104m.
1204 1104m Begin descent into pit. 1244 1327m Land on bottom
of pit. Fine sediment with boulders. 1253 Collect sediment
sample #3. 1258 Move upslope to the NE to 1310m. Begin
contour to the East at 1310m. 1309 Locate marker #28 (old marker #20
site) 1315 Move upslope to lower jet vent site. Site is silted in
with some signs of weak venting. Move back downslope. 1332
1312m Locate marker #42. Move South. 1342 1311m At Boiling pot
site. Site is very active once again after being buried in a landslide
~~Equipment Deficiencies:~~ last year. Collect samples at Boiling pot. 1408 Move upslope to
marker #48. 1442 1263m. Locate #48. Collect samplers deployed last year. 1336
Return to Boiling pot. Deploy new samplers. 1628 Leave the bottom.

Pilot Terry Kerby
 Ops. Mgr. [Signature]

Date 1/24/15, 2004
 Date 1/15/04