

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-773 Date: Sept. 22, 2011
 Observer 1: Colin Wallerman - PIT
 Affiliation: HURL Sub Ops Dive Location: Loihi: Pele's Pit
 Observer 2: Evan Kovacs Latitude: 18° 54.370' N
 Affiliation: Nat Geo Longitude: 155° 15.783' W
 Purpose: Research Training Test
 Other: _____
 Special Equipment: W401 3D & HD Time of Dive: 0957
 Cameras: miniZeus HD-ROS-SD Time of Surface: 1642
 Manipulators: Titan 4-HYCO Time Submerged: 6:45
 Samplers/Sensors: _____ Time Thru Last Dive: 5219:45
 Support Vessel: R/V Kaimikai-O-Kanaloa Total Time to Dive: 5226:30
 Captain: Clary Gutzeit Dive Depth: 1346m
 Water Depth: 1346m
 Water Temperature: 3.9°C @ 1198m
 Visibility: _____

Dive Results/Remarks: Single sub safety survey dive into pit Crater. Current setting sub to the west. Power in mid water to maintain position on landing site. 1124 Land on a steep basalt talus slope in 1198m. Move upslope and east to contact edge of pit. 1146 Locate marker 18 at edge of pit. Depth 1136m Depth gauge discrepancy Marker 18 should be at 1104m. 1159 Deploy tealeaf offering at edge of pit. 1201 Begin descent into pit. 1234 Land on bottom of pit at 1363m Should be 1328m. 1248 Move upslope to the NE. 1313 Locate Jet Vent site. Erroneous depth of 1333m. 1336 Locate active hydrothermal vents at boiling pot site. Up slope on steep wall above old Boiling Pot site. Locate Jason Marker and two charges. 1404 Move to Jet Vent site. 1408 Move up the N. Wall. Moving up a vertical wall to the Lohiau vent site. 1432 1209m Locate marker #5 at Lohiau vent site. No sign of active venting. 1434 Locate Marker #2 @ 1210m. Old depth 1175m. Move to the west along rugged vertical terrain. 1459 1194m Locate vertical columnar wall. ^{18° 54.141' N} _{155° 15.549' W}
1531 1049m Leave the bottom

Pilot's Signature: T. Kerby Date: 9/28/11
 Operations Director: T. Kerby Date: 9/28/11

For equipment deficiencies, refer to maintenance logs.