

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Chuck Holloway (PIT) Wt. _____
 Observer Title/Affil. HURL sub ops.

Dive # PV-410
 Date Oct. 28, 1998

Observer John Smith Wt. _____
 Observer Title/Affil. HURL

Time of Dive 0838

Dive Location Loihi, Pele's Pit & HUGO site
 Lat. 18° 54.35' N Long. 155° 15.75

Time of Surface 1558

Purpose: Research Training Demo

Time Submerged 7:20

Other: _____

Time Thru Last Dive 2616:28

Special Equipment:

Total Time to Dive 2623:48

Camera (type) Video, Digital, Still

Dive Depth 1329m

Manipulator Titan, Hyco

Water Depth 1329m

Other Sampling basket, water sampler rack, Majors

Water Temp. 3.4°C @ 1300

Support Vessel R/V Keimikoi-O-Keneloa

Visibility _____

ABT # at Neutral _____

Captain Bob Hayes

Dive Results/Remarks: 0947 1131m on steep talus slope. Move upslope to the East to 1104m. Contour to SE at 1104m. 0955 1104m @ #18 mark. 0957 Begin descent into pit. 1019 On bottom of pit in 1329m on South East side. Poor visibility in silt caused by current or land slide activity. Strong current moving up the south wall. Move out of channel and updraft area to N.E. side of pit. 1046 1310 at #42. Move upslope to #15. Temp. 165.5°C Take nrsh. 1105 1287m on top of Jet Vent Rock. 1113 Moving West to wall 50m from Jet Vent Rock. Move up wall to 1255m at new vent site. Deploy marker #49. Rec #7. Vent temp. 146.5°C Take major sampler. 1153 Move over cliff end descend back down to Jet Vent Rock. Move E to fractured slab

Equipment Deficiencies: on the East side of the Jet Vent Gully. 1212 Maneuver in mid water at overhang level of Giant Checkstone. 1289 1290m at chimneys at base of wall. 118°C. Move East about 10m to more vent areas not under overhanging rock. Depth 1285m Temp. 128°C. Deploy #7. Take major sampler. Move upslope 1308 1246m discover Orger Pipe Chimney Site. Move up out of pit then East to HUGO. 1359 Arrive at HUGO. 1421 Recover xPDR. Disconnect test connector. Release wts. 1421 Leave bottom with Prot

Pilot Terry Kerby

Date 10/29/98

Ops. Mgr. JK

Date 10/29/98