

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Tim Cattelison Wt. _____
 Observer Title/Affil. HURL Sub ops

Dive # PV-403
 Date Oct. 18, 1998

Observer Dave Hilton Wt. _____
 Observer Title/Affil. Scrpps Inst.

Time of Dive 0811
 Time of Surface 1657

Dive Location Loihi, Pele's Pit.
 Lat. 18°54.25'N Long. 155°15.7'W

Time Submerged 8:16
 Time Thru Last Dive 2560:10

Purpose: Research Training Demo

Total Time to Dive 2568:26

Other: _____

Dive Depth 1328^m

Special Equipment:

Water Depth 1328^m

Camera (type) Video, Digital, St. 71

Water Temp. 3.4° @ 1306

Manipulator Titan, Hyco

Visibility _____

Other Major Samplers, Niskin Bottle.

ABT # at Neutral _____

Support Vessel R/V Ka'imikai-O-Kanaloa

Captain Bob Hayes

Dive Results/Remarks: Dive to recover CTD, sample vent site, pilot Training. 0915 1126^m on the bottom at a steep talus slope. 0918 Move up slope to 1104^m 0924 Pass over #18 and begin descent into the pit. 0945 1306^m @ marker #8. (Kurts Vents) Temp. 22.4°. 102.4° @ vent 5 meters from #8. 1011 At upper Jet Vent Site. 1038 1285^m @ top of Jet Vent rock. 1041 Move west at 1287^m to well. Ascend well to 1255^m to #7 site. Temp. 142°. Take major sampler #49. Trigger niskin. Take 2 sediment scoops. 1220 Move back down to Jet Vent rock, then down to Hot Vent Wall. 1230 Test vents on Hot Vent Wall at 1294^m. Temp. 120°. Deploy marker #43. Take major sampler. Move back down well. Equipment Deficiencies: to #15 at 1289^m. Temp. 165.5°. 1351 1305^m @ #10. Take major sampler. To lower Jet Vent site. 1451 1304^m to #10. 1506 Recover CTD. 1519 1304^m Leave the bottom. Seas rough on recovery. Tow line parts.

Pilot Terry Kerby

Date 10/18/98

Ops. Mgr. TK

Date 10/18/98