

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Co-Pilot Chuck Holloway Wt. _____
 Observer Title/Affil. HURL Sub Ops.

Dive # PV-344
 Date Jan. 20, 1998

Observer Jackie Kaplan Averbach Wt. _____
 Observer Title/Affil. UofH.

Time of Dive 0815
 Time of Surface 1810
 Time Submerged 9:55
 Time Thru Last Dive 2103:54
 Total Time to Dive 2113:49
 Dive Depth 1207^m
 Water Depth 1207^m
 Water Temp. 3.7°C @ 1207^m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, East Summit
 Lat. 18° 54.716' N Long. 155° 14.651' W
 Purpose: Research Training Demo HUGO Posit.
 Other: _____

Special Equipment:

Camera (type) Sony, Panasonic (VDO) Photosea (still)
 Manipulator Titan, Hyco.
 Other Sample Baskets, Cutter

Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: 0921 Land on a flat mud/clay bottom in 1207^m. HUGO xPDR is activated in pinger mode @ 20 Khz, 3 sec. Interval. 0945 Locate HUGO. Survey to south of HUGO to inspect anchor array. Anchors, chain, and cable are buried under mud. 0952 Land on west side of HUGO in silt cloud. Zero Visibility. Using UDI sonar we cannot get a solid target because sonar shows dense silt clouds as contacts. Chase false targets with UDI & Wesmar sonars. Relocate HUGO in zero vis. with Pinger receiver. 1201 Positioned on port side of HUGO. 1226 Cloud clears enough to begin work on connectors. Remove guard bar and dummy plug from #5. Connect hydrophone. Remove two retaining pins for seawater return plate. Lift seawater return plate out of frame. Testing Equipment Deficiencies: connectors #5, and #2. Disconnect seismometer connector from #2. Release cable and lay connector in mud on port after corner. Remove test connector from #2. Plug 2nd Hydrophone into #2. Set Mitiquy experiment on top of float block. Plug Hydrophone into port #1. 1540 Leave HUGO and move N. along cable. 1605 1168^m locate two red marks on cable. Continue survey. 1630 Drop wts. next to cable. Leave the bottom from 1155^m.

Pilot Terry Kerby
 Ops. Mgr. [Signature]

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