

PISCES V DIVE REPORT

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

Dive # PV-404
 Date Oct. 20, 1998

Observer Dave Clegue Wt. _____
 Observer Title/Affil. MBRI

Time of Dive 0814
 Time of Surface 1706
 Time Submerged 8:52
 Time Thru Last Dive 2568:26
 Total Time to Dive 2576:42
 Dive Depth 1220 m
 Water Depth 1220 m
 Water Temp. 3.2°C @ 1200'
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, N.E. Summit
 Lat. 18°55.55'N Long. 155°14.85'W
 Purpose: Research Training Demo
 Other: _____

Special Equipment:
 Camera (type) Video 8mm, Digital, Still
 Manipulator Hycos, Titan
 Other _____

Support Vessel R/V Keimikei-O-Kanaloa

Dive Results/Remarks: Rock and sand sampling and pilot training. 0920 1050m On the bottom. Move SW to a scarp. Over scarp and descend to base at 1070m. Move up scarp. Locate sediment layering at top of scarp @ 1050m. Take samples of layering. Sediment Scoop #1, #4, push core. 1049m Scoop #5 at upper layer. 1148 1071m at base of a columnar wall. 1048m at top of Columnar wall. Layering of sediment at top of wall. Moving WSW. 1206 1102m moving up a sandy slope. 1212 1107m pass over HUGO cable. Move West. Turn NW. 1249 1133m Discovers more sediment layering with a distinctive wide yellow layer. Scoops #8 & #9. 1326 Begin moving N.W. Sight cable close to sub in mid water. Follow
 Equipment Deficiencies: Cable span to the NW. Many long spans. 1358
Begin moving west to crater. 1421 1214m in crater. Take box core sample. Take scoop #3. 1457 Begin moving south. 1529 1150m on south slope of crater. Scoop #6. 1547 Leave the bottom from 1095m.

Pilot Terry Kerby
 Ops. Mgr. VTK

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