

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer Max Cremer Wt. _____
 Observer Title/Affil. UafH

Dive # PV-314
 Date Oct. 7, 1996

Observer A. Wright - Co-Pilot. Wt. _____
 Observer Title/Affil. HURL

Time of Dive 0818
 Time of Surface 1642
 Time Submerged 8:29
 Time Thru Last Dive 1871:40
 Total Time to Dive 1880:09
 Dive Depth 1245
 Water Depth 1245
 Water Temp. _____
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi - site #2 dive
 Lat. 18°54.6'N Long. 155°15.3'W
 Purpose: Research Training Demo
 Other: Miskin, Rosette, Scoops, Ti-water,
 Special Equipment:
 Camera (type) Panasonic - Photosa - Sony
 Manipulator Titan - Hyco
 Other _____
 Support Vessel R/V Kaimikai - O - Kenaloa

Dive Results/Remarks: Pilot switch. Allen takes subdown. Land on a silty bottom at 1213m in "sand channel." Move up talus slope to the NW. to 1175m. Move S.W. contour along wall at 1175m to the "Sand Box." Pilot switch. 1 pilot to S.E. along rubble bottom that drops to the S.E. into Peles Pit. Move to the E. for a short distance at a white ridge, then move N.W. avoiding a large pinnacle feature back to the main wall. Land at vent site #2 in 1170m. Temp. Probe in vents 51.6°C. Vacuum mat. Get mtr. vent. Trip major sampler. Move to site #5. Pilot Switch. Allen pilots up ridge to area with nontronite at 1100m. See shimmering water @ 1099. Move upslope. Find large blocky rubble. Gentle venting dies out. Old vents sites. Move S.W. down recent slide terrain on N. Side of Pele's Pit from 1048m. Move sw. follow slope to 1128m. Vertical wall dropping off into Peles Pit. Equipment Deficiencies: Move up over w. ridge of pit. Pilot Switch. I take sub down to 1240m on w. slope. Contour north in search of Max's vents. Locate familiar terrain. Take sediment sample in a chute of thick nontronite. Move along wall. Locate gentle venting from old vents on a vertical wall at 1245m. Unable to sample vents. Vertical terrain and nontronite cloud created by rock fall when sub is position on a small shelf on wall. Move out of cloud. Move upslope looking for vent

Pilot Terry Kerby
 Ops. Mgr. [Signature]

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