

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer C. Holloway Wt. _____
 Observer Title/Affil. HURL sub ops.

Dive # PV-393
 Date Oct. 6, 1998

Observer Frank Sansone Wt. _____
 Observer Title/Affil. U of H

Time of Dive 1011
 Time of Surface 1714
 Time Submerged 7:03
 Time Thru Last Dive 2474:03
 Total Time to Dive 2481:06
 Dive Depth 1311m
 Water Depth 1311m
 Water Temp. 3.8°C @ 1311m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi, Pele's Pit.
 Lat. 18° 54.35' N Long. 155° 15.67' W

Purpose: Research Training Demo
 Other: Gas Samplers, Osmo Sampler, Niskin bottle

Special Equipment:
 Camera (type) Sony (Digital) Panasonic (VDO) Photosc
 Manipulator Titan (Schilling) HYCO
 Other _____

Support Vessel R/V Keimikai-O-Kenaloa

Dive Results/Remarks: Strong current setting the sub to the south west on the descent. Power to the NE, then E. 1126 Set to the N. when nearing the bottom. Land on a steep talus slope in 1066m. Move down slope to the SE to the 1104m depth. Contour to the SE @ 1104m. 1144 Locate marker #18. 1147 Start descent into the pit. 1213 On the bottom of the pit in 1310m. Contour to the SE @ 1310m. 1224 @ marker #20 site. 1310m. Locate osmo sampler. vent temp. 84. Deploy new osmo @ 1311m 1m from old osmo. Recover old osmo. Take black handled gas tight. Take black handled major. Set out met sampler #7. Place a rock on top of the sampler to keep it in place. Take sensor logs. Move to #11. Recover old osmo sampler. Take 2 gas tight samplers Temp. 161%. Deploy #10 trap. Move up to lower jet vents. Recover glass met trap #6 at 1299m Collect Equipment Deficiencies: second four buckets of met in rosette buckets. Deploy #9 trap. Move down to Hot vent site. Deploy #10 met at hot vent. Temp. 165%. To marker #33. Temp. 129%. Deploy met sampler #8. Word from surface bed seas. 1552 Leave the bottom.

Pilot T. Kerby
 Ops. Mgr. [Signature]

Date 10/7/98
 Date 10/7/98