

PISCES V DIVE REPORT

Pilot D. Foster Wt. _____ Dive Number PS-142
 Observer P. Sedwick Wt. _____ Date 28 Mar 90
 Observer Title/Affil. _____
U of IJ
 Observer N. Murphy Wt. _____
 Observer Title/Affil. _____
U of IJ.
 Dive Location Loihi-Pele's Vents
 Lat. _____ Long. _____
 Purpose: Research Training Demo
 Other _____
 Special Equip.:
 Camera (type) 35mm; TVP; VDO
 Manipulator ✓ H/LC
 Other Ti Samplers; Niskin
Thermistor
 Time of Dive 0932
 Time of Surface 1440
 Time Submerged 5:08
 Time Thru Last Dive 722:18
 Total Time to Dive 727:26
 Dive Depth 1075
 Water Depth 1075^m 3526'
 Water Temp. _____
 Visibility _____
 ABT # at Neutral _____

Dive Results/Remarks: Landed at 1075 m. on south
slope of Pele's vent. Travelled upslope
to vents. Attempted water sampled.
Ti Sampler actuator incorrectly
installed - unable to trip samplers.
Placed thermistor in vent to record
temperature of approx 21°C. Recovered
three jaws samplers. Placed one
jaws sampler. Placed pinger near
vents. Pinger checks OK. Hyd pump
grows and draws > 50A.

Equipment Deficiencies: - Hyd pump fail - Pump disassembled
and checked. Found no problem! Cleaned,
brushes examined, reassembled, oil
renewed in comp system.
- Wrong thermistor on basket
- Ti Sampler piston installed incorrectly

Pilot D. Foster Date 29 Mar 90
 Ops. Mgr T. Kerby Date 30 March 90