

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____ Dive Number 264
 Observer K. Kelly Wt. _____ Date Oct. 21, 1995
 Observer Title/Affil. HURL

Observer _____ Wt. _____
 Observer Title/Affil. _____ Time of Dive 0900

Dive Location Loihi - Peles Vents Time of Surface 1415
 Lat. 18°54.77'N Long. 155°15.58'W Time Submerged 5:15
 Time Thru Last Dive 1498:00

Purpose: Research Training Demo Total Time to Dive 1503:15

Other Test dives to recover second pressure Dive Depth 1045m 3428'
 Special Equip.: sensor Water Depth 1045m

Camera (type) Panasonic-Sony-Photosea Water Temp. _____

Manipulator Schilling Titan/HYCO Visibility _____

Other _____ ABT # at Neutral _____

Support Vessel R/V Kila Captain Ross Barnes

Dive Results/Remarks: Seas Rough. Winds to 25 knots. Launch to the
N.E. of the Peles Vents Pinnacle. Tym pilots LRT on launch. Descend
heavy to prevent drifting away from target area with N.W. current.

0945 Pump out 200lb of water weight at 900m. 0953 On the bottom in 1045
Hard rocky bottom. Begin moving to the S.E. Moving up a steep slope with
broken pillow lava formations. On top of pinnacle, 1025 970m at vent site.

To old BPR site. Recover thermisters #4 & #5. Move south toward BPR #1, recov.
thermister #2 & #3 from the "shrimp zone". Move to the BPR & place 4 thermister
with thermister #6 which I recovered from the "boulder zone hot spot" endive #26

Move to "slab" and recover thermister #7. Take #7 to BPR. Attach #7 & #8 to
BPR. Carry #2, 3, 4, 5, & 6 in HYCO arm claw. 1206 Connect lift line and backup
line to BPR & leave the bottom from 970m. Secondary release fails at 275m. Diver

in the water as soon as the Pisces V surfaces. Connect buoy recovery line and backup
line to BPR. I release BPR main recovery line and move away. HYCO claw jettison releases

Equipment Deficiencies: lose thermisters 4 & 5. Diver (wzyne) gets to claw and retrieves
thermisters #2, 3, & 6. Kila recovers BPR from small boat. Divers on LRT. Recov
Pisces V.

Equipment Deficiencies: Secondary release hydraulics problem cause premature
release. Hyco Arm wrist jettison activates on surface.

Pilot Terry Kerby Date Oct. 22, 1995
 Ops. Mgr T.R.R. Date 10/22/95