

PISCES V DIVE REPORT

Pilot T. Kerby Wt. 160 lbs Dive Number P5-247  
 Observer C. Moyer Wt. 265 lbs Date Sept. 19, 1993  
 Observer Title/Affil. U of H

Observer Louie Tupas Wt. 184 lbs  
 Observer Title/Affil. U of H Time of Dive 0735

Time of Surface 1458  
 Dive Location Loihi-Pele's Vents & E. Crater Time Submerged 7:23

Lat. 18°54.47'N Long. 155°15.58'W Time Thru Last Dive 1384:03

Purpose: Research Training Demo Total Time to Dive 1391:26

Other \_\_\_\_\_ Dive Depth 1200m

Special Equip.: \_\_\_\_\_ Water Depth 1200m

Camera (type) Sony Hi-8-Panasonic-Photo Water Temp. 31°C highest vent reading

Manipulator Schilling (Titan II) HYCO Visibility \_\_\_\_\_

Other \_\_\_\_\_ ABT # at Neutral \_\_\_\_\_

Support Vessel R/V Kila Captain R. Barnes

Dive Results/Remarks: Seas fair. Approach Pele's vents from the ENE.

On the bottom in 980m on the N.E. wall at the "Great Crack" area. Collect

glass wool sampler and take temp. from crack. 11.4°C. 0900 Collecting sample 0902

leave crack for "Hot Hole". 0905. At "Hot Hole" Pickup shrimp trap. 0909 Move to Glass Wool

sampler site 0912. Recover glass wool samples #4, #5, & #6. 0926 Reorient samples

and shrimp trap in collecting box. 0930 Moving up slope to "boulder hot hole." 0934

At "hot hole". Take La bomba sample, Trigger 3 misters, Thermister in crack (31°C)

Trigger red handle major. Slow thermister move upslope. Suck mat. Collect mat in

buckets 1, 2, 3, & 4 of Rosette sampler. 1040 Leave Pele's Vents course 060° range

1863m to finger field beyond E. Crater. 1150 1160m On the bottom on a

barren sandy, crusty bottom E. of E. Pit crater. Move W.S.W. to edge of crater.

Collect mat in buckets 5, 6, 7, & 8. Trigger Major. No active venting. Leave the bottom

from 1200m.

Equipment Deficiencies: Junction box water alarm sounds at end of dive

when sub is in a stern down attitude. Alarm goes away when sub on even

trim. Surface.

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Pilot T. Kerby Date 9/20/93

Ops. Mgr T. Kerby Date 9/20/93