

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-642 Date: July 1, 2005
 Observer 1: Colin Wollerman
 Affiliation: HURL sub ops Dive Location: Vaitulu'u Volcano, Samoa
 Observer 2: Adele Pyle Latitude: 14° 12.942' S
 Affiliation: U of Adelaide Longitude: 169° 04.141' W
 Purpose: Research Training Test
 Time of Dive: 1030
 Other: _____ Time of Surface: 1830
 Special Equipment: _____ Time Submerged: 8:00
 Cameras: Sony - ROS Time Thru Last Dive: 4277:36
 Manipulators: Titan, HYCO Total Time to Dive: 4285:36
 Samplers/Sensors: Bre Box, Rock box, Sediment Dive Depth: 943m
SCOOPS Water Depth: 943m
 Support Vessel: R/V Kaimikai-O-Kanaka Water Temperature: 5.6°C
 Captain: Ross Barnes Visibility: 20m on landing 1m in pit.

Dive Results/Remarks: Dive to relocate current meter sites and
revisit eel city site on the top of the new cone, Nafanua, 1118
On the bottom in 628m in large pillow lava formations. Locate
active bacterial mat on our way to marker #2. 1157 582m at marker #2.
1200 Collect charge & deploy 2 charges. Collect brittle stars and recover current meter.
1219 Moving to the SE down the wall on the inside of the crater. Poor
visibility. Move along vertical walls of truncated pillow formations and dikes. 1340
621m searching for a suitable deployment site for the current meter. Collecting a tip
sponges. 1410 Locate a low angle area in the breach on a talus bottom. Deploy
current meter and marker #42. Strong current passing over breach into the pit.
1412 Move NE across the crater to the south flank of Nafanua. 1429 Move
up to Nafanua summit to marker #4. Collect charge, suction sample and water sample. Deploy
an eel trap. 1525 Move downslope to the north. 1629 912m At base of Nafanua
 Equipment Deficiencies: 2m visibility. Survey for area of suspected hydrothermal activity.
1656 Move East in depression in very poor visibility. 1718 Leave the bottom from 943m.

Pilot's Signature: Terry Kerby Date: 7/12/05
 Operations Director: Terry Kerby Date: 7/12/05