

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-619 Date: April 16, 2005
 Observer 1: Dave Butterfield
 Affiliation: U of W. Dive Location: Giggenbach Volcano
 Observer 2: _____ Latitude: 30° 01.962' S
 Affiliation: _____ Longitude: 178° 42.406' W
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0807
 Special Equipment: _____ Time of Surface: 1535
 Cameras: Sony, ROS, DSPL still. Time Submerged: 7:38
 Manipulators: Titan, HYCO Time Thru Last Dive: 4103:18
 Samplers/Sensors: Fluid sampler. Total Time to Dive: 4110:56
Sed scoop for gas sample. Dive Depth: 183m
 Support Vessel: R/V Kaimikai-O-Kanaloa Water Depth: 183m
 Captain: Ross Barnes Water Temperature: 16.1° @ 146m
 Visibility: 10m

Dive Results/Remarks: Dive to hydrothermal vent fields on
Giggenbach volcano to collect samples with the "Fluid Sampler."
0937 Land on a talus slope in 144m. 0953 146m moving SW.
1027 168m at the base of "Mussel Hill" in the sulfur vents pit
crater. Contour at 163m towards marker #12. 1035 163m at
Marker #12. Survey the slope for a good sample site. Extensive
eff gassing from venting all along slope for 20m. Set up to collect
fluid samples at marker #12. 1131 Move upslope to the NE. 1142 168m
Setting up to collect samples at a new vent site. A current change
causes the sub to shift and the sampling snorkel to work out of
the Hyco claw. Back down to the bottom of the pit at 183m and recover
snorkel. Locate diffused vents in bottom of pit and set up to collect
fluid samples. The fluid sampler is not working. It is discovered after the
 Equipment Deficiencies: dive that the electronics bottle has seawater in it. Conduct a survey
of the pit and return to marker #12. Collect gas bubbles in sediment scoop.
Move upslope to the south. 1513 Leave the bottom from 118m.

Pilot's Signature: Terry Kerby Date: April 24, 2005
 Operations Director: Terry Kerby Date: April 24, 2005