Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-250 Date: SEPTEMBER 24, 2011

Observer 1: GARY JOHNSTONE

Affiliation: NGTV

Observer 2: BOB BALLARD

Affiliation: NAUTILUS GROUP

Purpose: Research Training Test

Other: NATIONAL GEOGRAPHIC SPECIAL

Special Equipment:

Cameras: WHOI 3DHD, MINI-ZEUS

Manipulators: ORION 7-P, HYCO

Samplers/Sensors: -NONE-

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: CLARY GUTZEIT

Dive Location: LOIHI, PELE'S PIT

Latitude: N 18° 54.471'

Longitude: W 155° 15.779'

Time of Dive: 1109

Time of Surface: 1609

Time Submerged: 5:00

Time Thru Last Dive: 1767:08

Total Time to Dive: 1772:08

Dive Depth: 1340m

Water Depth: 1361m (bottom of pit)

Water Temperature: NOT RECORDED

Visibility: Variable, 5-15m

Dive Results/Remarks: NATIONAL GEOGRAPHIC PROJECT DIVE. MISSION IS TO CONDUCT 2-SUB OPERATIONS INSIDE SUBMARINE VOLCANIC PIT CRATER WITH VIP DR. BOB BALLARD. 1235 1140m land on the bottom near MARKER #18 on a steep talus slope with some hydrothermal seams. Rendezvous with PISCES V at MARKER #18 and descend together into Pele's Pit. Conduct 2-sub filming operations around various sites in the pit crater, including hydrothermal vents, small chimney fields, and vertical terrain along the North side of it.
1500 move toward center of the pit crater in mid-water and begin ascent. Normal recovery.

Pilot's Signature: [signature] Date: 10-2-11

Operations Director: Terry Kerby Date: 10-8-11

For equipment deficiencies, refer to maintenance logs.