Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: PI-283 Date: NOVEMBER 13, 2014

Observer 1: KEN ROBIN

Affiliation: SOEST G&G

Observer 2: JOHN SINTON

Affiliation: SOEST G&G

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: HIVI-ZEUS HD, ROS SD

Manipulators: HYCO, ORION 7P

Samplers/Sensors: 3 ROCK CRATES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: DON JACK

Dive Location: KAIWI SHELF

Latitude: N 21° 28.687

Longitude: W 157° 25.071

Time of Dive: 0910

Time of Surface: 1627

Time Submerged: 7:17

Time Thru Last Dive: 1986:27

Total Time to Dive: ~~1993:44~~

Dive Depth: 953 m

Water Depth: 953 m

Water Temperature: not recorded

Visibility: good, 15-25m

Dive Narrative: EXPLORATORY DIVE ON KAIWI SHELF, GEOLOGY OF OAHU. 1015 879m land on the bottom in a field of lava flow features, medium slope. 1027 collect basalt sample near bottom position. 1030 move down vertical wall to D. 1044 953m at base of vertical wall which was about 60 m of basalt and the bottom 14m carbonate. 1053 945m collect carbonate sample. 1121 930m collect basalt sample. 1127 move up the rest of the wall. 1139 875m collect basalt sample. 1219 877m collect carbonate sample. Continue to move S. 1248 845m start of zone of large, rounded boulders. 1310 839m collect small sample, chipped off smooth basal limestone (which later turned out to be basalt). Continue S. 1331 833m collect basalt sample. Continue SSE. 1347 840m collect fossil plate coral. 1403 arrive at target area ("BRIDA'S BEACH"), collect one carbonate and one basalt sample. 1428 start moving NE toward next area of interest. 1508 stay on location to wait for HOV to catch up. 1520 leave bottom from 850m. Normal recovery.

Pilot's Signature: Date: 11-16-14

Operations Director: Jerry Kerby Date: 11/17/14