

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: P5-876 Date: Nov 1, 2016
 Observer 1: Brendan Roark
 Affiliation: TAMU Dive Location: South End SE Hancock
 Observer 2: Blue Eisen Latitude: 29°46.725' N
 Affiliation: HURL (Pilot in training) Longitude: 179°03.801' E
 Purpose: Research Training Test Time of Dive: 0753
 Equipment Used: Time of Surface: 1712
 Cameras: Mini Zeus HD - ROS 5D Time Submerged: 9:19
 Manipulators: Titan 4 - HYCO Time Thru Last Dive: 3873:34
 Samplers & Sensors: CTD - Sample Baskets Total Time to Dive: 3882:53
 Support Vessel: R/V Kaimikai - O-Kenaloa Dive Depth: 587m 1925ft.
 Captain: Mike Hoshlyk Water Depth: 587m
 Water Temperature: 11.9° @ 587m

Dive Narrative: Two sub dive to locate and inspect the Lender,
which was dropped from KOK last night with a HURL 27Khz
pinger attached. 0834 582m On the bottom in steep basalt
terrain. Range to lender drop site 305m. Start moving East.
Collecting a sample in Jer #1. 0902 Moving towards lender position
hear 27Khz pinger on communications hydrophone. Tune in
direction of 065 on pinger receiver. Moving along steep to
vertical basalt terrain. 0920 Locate lender in target sand
chute about 15m from a dropoff. Lender is in good condition.
Piscus IV arrives. Recover pinger from Lender. 1026 Move NW.
Moving upslope collecting samples and getting still and video
of lines, tangle nets and dredge weights on side of seamount.
1100 574m. Collecting samples. 1130 562m Collecting samples. 1204
543m collecting samples. 1242 549m Collecting samples. 1305 Move
upslope to the West. 1328 436m able to reach summit of feature. Smooth
scoured carbonate with dredge scars from dredge weights crisscross

Pilot's Signature: Terry Kerby Date: 11/6/16
 Operations Director: Terry Kerby Date: 11/6/16

over summit and on flanks of dome feature.
1254 Collecting samples. Primordial corals on top and
upper slopes of feature. Branched bamboo corals further
down. 1355 458m Collecting dead branched bamboo coral
stumps. 1411 Move N. 1437 430m Collecting bamboo stumps.
1501 Moved upslope to the N. 1507 start 400m transect
to the NE. 1535 End transect. 1537 Pisces IV has left
the bottom. Descend a vertical carbonate wall from 399m
to 576m. Steep sandy slope at base. 1624 Leave the
bottom from 577m.