

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-627 Date: May 3, 2005
 Observer 1: Colin Wollerman
 Affiliation: HURL sub ops PIT Dive Location: Healy Volcano
 Observer 2: Ian Wright Latitude: 34° 59.637' S
 Affiliation: NIWA NZ Longitude: 178° 59.797' E
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0808
 Special Equipment: _____ Time of Surface: 1609
 Cameras: Sony-R05-DSPL still Time Submerged: 8:01
 Manipulators: Titan-HVCO Time Thru Last Dive: 4164:20
 Samplers/Sensors: Bio Box, Rock Box, Rosette Total Time to Dive: 4172:21
 Support Vessel: R/V Kaimikai-o-Kanaloa Dive Depth: 1527m
 Captain: Ross Barnes Water Depth: 1527m
 Water Temperature: 3.4°C
 Visibility: 20m clear

Dive Results/Remarks: Ocean Exploration dive to survey and
sample the Healy Volcano cone and pitcrater. 0948 1527m
Land on a low angle slope of pumice rubble. 1011 Move to
the south. 1039 1359m sample exposed scarp layer with
sediment scoop. Collect a rock. 1049 Moving to the East.
1114 Begin moving west. 1135 1259m Collect a rock fragment
with hydroids. 1211 1166m continue moving up the
cone to the South West. 1219 1140m Into an area of
nontronite chimneys with diffused hydrothermal venting.
20.1°C. Collect suction sample. 1234 1119 on rim of cone.
Numerous nontronite chimneys. Deploy #18. Locate an
active vent in a nontronite chimney near #18. 22.2°C. Begin
a counterclockwise circuit of the crater rim. 1311 Collect hermit crab
with an anemone 1358 1221m collect a holothurian in sample jar.
 Equipment Deficiencies: 1414 1105m on south rim. 1414 1105m descend into
the pit. 1431 1179m on a flat encrusted bottom in the center of the pit.
Running low on sub power. Collect sediment scoop. 1444 Move up slope to #18. Leave the
bottom at 1458 from 1119m at #18

Pilot's Signature: Terry Kerby Date: May 6, 2005
 Operations Director: Terry Kerby Date: May 6, 2005