PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-148 Date: July 26, 2005

Observer 1: Rob Dunbar

Affiliation: Stanford University Dive Location: Palmyra Atoll

Observer 2: Tom Guilderson Latitude: 05° 50.784' N

Affiliation: Lawerence Livermoore Labs Longitude: 162° 06.741' W

Purpose: (Research) Training Test Time of Dive: 1055

Other: Time of Surface: 1710

Special Equipment: Time Submerged: 6:15

Cameras: Sony. ROS Time Thru Last Dive: 1077:41

Manipulators: Orion, HyCO Total Time to Dive: 1083:56

Samplers/Sensors: Coral Basket. Dive Depth: 1141m

Water Depth: 1141 m

Support Vessel: R/V Kaimikai'-O-Kanaloa Water Temperature: 2.6°c @ 1141m

Captain: Ross Barnes Visibility: 20m+

Dive Results/Remarks: Coral collecting dive. 1158 Land on a sloping sandy bottom at 1141m. 1208 Move upslope to the Northwest. 1331 675m collect dendrophilia. Continue upslope to the northwest. 1430 325m. Contour to the West. Moving along a vertical wall. 1510 Locate a large gold coral tree on vertical wall at 366m. The tree is growing from the underside of an overhang. Manage to cleanly break one large branch which drops down the wall. Descend the vertical wall from 366m to 436m chasing the branch. At 436m there is a 45° bench that would catch anything that dropped straight down the wall. Discover large dead gold coral trees in this area that have fallen down the wall. Collect dead gold coral stumps and branches. 1621 Moved back up wall to Gold Tree at 366m. Secure collecting basket and move to the south in mid water for recovery. 1639 Release ascent wts and ascend from 392m.

Equipment Deficiencies:

Pilot's Signature: Terry Kerby Date: July 30, 2005

Operations Director: Terry Kerby Date: July 30, 2005