

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-400

MISSION STATUS

Location: Loihi

Mission Date: 10-15-98

Maximum Depth: 13

Project Title: CTD Deployment

Principal Investigator: Gary McMurtry

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Address:

Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

The mission had 2 components to it. The first involved deploying a CTD. This instrument was to collect water from a cool vent (~50°C or less) and ^{test various comp} analyze collected components of it. These included Temp., Conductivity, Salinity, pH, and Dissolved Oxygen concentrations. (Findings to be seen.) The second ~~part~~ component of the mission was to collect water samples from 3 sites (marker 10, marker 15, Loihi 'au). Water samples will be tested for CO₂ & H.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

~~problems which were~~
There were no problems which occurred during the mission. In fact it went very smoothly.

Recommendations for corrective action or improvement:

none

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

The mission achieved its purpose in that we were able to successfully launch our instrument as well as collect necessary ~~sample~~ water samples from vents.

List specimens or samples collected on the mission.

~~only~~ 3 water samples were collected.
one at a location near marker 10
another at marker 15. and a third
at Loiki au.