

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-036

MISSION STATUS

Location: Cross Seamount, HI

Mission Date: 9/24/87

Maximum Depth: 4262 ft.

Project Title: Stratigraphy of Mn Crust

Project Leader: Dr. Alexander Malahoff

Address: University of Hawaii
1000 Pope Rd. MSB 319
Honolulu, HI 96822

Phone: 948-6802

Observers: K. Kelly, N. Murphy

Address: University of Hawaii
MSB 303B

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

This dive on Cross Seamount was undertaken primarily to collect several, thick, in-situ Mn-crust samples from within a precisely defined area. Cross has been mapped using GPS controlled Seabeam and several potential sampling sites had been chosen based on the analysis of thousands of photographs. Although an area topographically similar to the target area was encountered, without precision GPS navigation from the support ship our location could only be tracked along the seafloor by use of bathymetry. Sampling of in-situ Mn-crusts with the manipulator arm was unsuccessful. The pinnacle which was visited appears to be a remnant dike structure.

DATA RELEASE

Data may be retained by the project leader for up to 2 years after the mission date with the following exception. NOAA may request to use photos for publication or publicity purposes at any time.

Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission Stratigraphy of Mn Crust
(project title) held on 9/24/87 (date) in the following way:

- a. CTD data by _____ (date)
- b. voice transcripts, video, and still camera film
by _____ (date)
- c. other _____ (date)
- d. I will give my written consent to individuals wishing to use these data prior to the above dates depending on the nature of the request(s).

Project Leader