

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-086

## MISSION STATUS

Location: Cross Seamount  
Mission Date: 26 July 1988  
Maximum Depth: 460 m.  
Project Title: Cobalt Crust Study  
Project Leader: A. Malahoff  
Address: University of Hawaii  
Department of Oceanography  
1000 Pope Road MSB 319  
Honolulu, HI 96822  
  
Phone: 948-6802  
Observers: P. Verlaan, A. Malahoff  
Address: University of Hawaii  
Department of Oceanography  
1000 Pope Road  
Honolulu, HI 96822

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

A settlement tray was deployed at 460 m. on the north-eastern edge of Cross Seamount Summit. The deployment was followed by the geological mapping of the structure of the summit-flank break on the seamount. The summit is represented by a flat top covered by talus, rounded boulders and sediments. A thin manganese crust covers these rocks. Massive rock outcrops dipping vertically and representing dikes, marking the perimeter of the summit. The total landscape is dominated by the presence of debris. The dive depths varied between 420 and 460 m.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

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.

Yes.

List specimens or samples collected on the mission.

Four rock samples, 76 photographs

## 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 7/26/88 (date) in the following way:

- a. CTD data by 7/26/89 (date)
- b. voice transcripts, video, and still camera film  
by 7/26/89 (date)
- c. other 7/26/89 (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).

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Project Leader