HOT-18: Chief Scientist Report

Chief Scientist: D. KARL

HOT-18 Cruise Report
R/V Wecoma
11-15 June 1990

Personnel List:

Dave Karl	CS
Anne Dettlebach	UH-REU
John Dore	UH
Dale Hebel	UH
Ricardo Letelier	UH
Erica Nelson	UH-REU
David Rose	UH-REU
Marc Rosen	UH
Michael Sawyer	UH-REU
Jef Snyder	UH
Chuck Stump	UW
Toshiaki Shinoda	UH

Cruise Schedule:
---

8 June - move GOFS van from MSB to Snug Harbor along with as much other gear/supplies as possible (for week-end storage at Snug Harbor)

11 June (0730) - assemble at Snug Harbor at 0730; begin loading the ship (Marc Rosen will co-ordinate the on-loading of all of the heavy gear; i.e., items requiring the use of the crane)

NOTE: It is imperative that everyone involved in this cruise be at the dock and available to help with the cruise preparation. June 11 is Kam Day and will be a holiday for the Snug Harbor employees. Everything must be loaded, secured and ready to sail by 1130.

11 June (1200) - ETD Snug Harbor

11 June (1530) - ETA, Station Kahe; begin weight test cast and continue with CTD and water sampling ops (all hands)

11 JUne (1730) - ETD, Station Kahe

12 June (0530) - ETA, Station ALOHA
During the next 72 hrs:
1. deploy sediment traps
2. conduct 4800 m CTD cast

3. begin 36-hr CTD and PNF casts
4. conduct 24-hr in situ primary production experiment
5. conduct net tows and ancillary experiments
6. locate and recover sediment traps; depart Station ALOHA

NOTE: We are currently planning to be back in Honolulu by noon on Friday (15 June). We plan to offload all HOT equipment at that time.

Narrative:

HOT-18 departed Snug Harbor at 12:00 on 11 June 1990 aboard the R/V Wecoma. Kahe Point was visited en route to Station ALOHA, and HOT-18 returned to Snug Harbor at 0800 on 14 June. As on HOT-16, the Kahe Point Station was moved approximately 9 km north of the usual location.

WOCE & JGOFS Sampling

All WOCE and JGOFS sampling was completed on HOT-18.

CTD and XBT Operations

There were no CTD problems on this cruise. XBTs were dropped en route to Station ALOHA.

Primary Production and Sediment Trap Measurements

Primary production was measured in situ for 12 hours. Sediment trap measurements were made as usual with no significant problems.

Optical Measurements

Optical casts were completed at Kahe Point.

Ancillary projects

Samples were collected for Charles Keeling of Scripps and for Steve Emerson and Paul Quay of the University of Washington.