HOT-16: Chief Scientist Report

Chief Scientist: D. KARL

HOT-16 Cruise Report
R/V Wecoma
11-15 Apr. 1990

Personnel List:

David Karl	UH
Max Cremer	UH
Fred Dobbs	UH
John Dore	UH
Dale Hebel	UH
Ricardo Letelier	UH
Roger Lukas	UH
George Parish	UH
Stewart Reid	UH
Marc Rosen	UH
Jef Snyder	UH
Chuck Stump	UW

Cruise Schedule:
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11 April (Wednesday)

0800 ETD Honolulu
1100 ETA Kahe Pt. Station
1400 ETD Kahe Pt. Station
2400 ETA ALOHA Station

12 April (Thursday)

0000 Deploy sediment traps
0200 Begin WOCE deep hydrocasts
1300 Light profile
1400 Continue CTD casts

13 April (Godd Friday the 13th!!)

0300 Primary productivity cast
0500 Deploy primary productivity array
0600 Continue CTD casts
1200 Locate primary productivity array
1300 Continue CTD casts
1800 Locate and recover primary productivity array
2000 Continue CTD casts

14 April (Saturday)

2000 Locate sediment trap array
2100 Recover sediment trap array
2200 ETD ALOHA Station

15 April (Sunday)

0800 ETA Snug Harbor HAPPY EASTER !!!

Narrative:

HOT-16 departed Snug Harbor at 0900 on 11 April 1990 aboard the R/V Wecoma. Samples were collected at Kahe Point and regular sampling work was conducted at Station ALOHA. The ship returned to Snug Harbor at approximately 1800 on April.

WOCE & JGOFS Sampling

All WOCE & JGOFS primary sampling was complete on this cruise.

CTD and XBT Operations

There were no CTD problems on this cruise. No XBTs were deployed.

Primary Production and Sediment Trap Measurements

Primary production was measured during 12-hour in situ incubations and during 24-hour on-deck incubations. Sediment trap samples were obtained without significant problems.

Optical Measurements

Optical casts were completed at Kahe Point.

Ancillary projects

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