

# HOT-21: Chief Scientist Report

Chief Scientist: C. WINN

## HOT-21 Cruise Report

M/V Na'Ina

17-20 Nov. 1990

### Personnel List:

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|                  |                  |
|------------------|------------------|
| Steve Chiswell   | WOCE             |
| John Dore        | GOFs             |
| Dale Hebel       | GOFs             |
| Ricardo Letelier | GOFs             |
| Stewart Reid     | WOCE             |
| Marc Rosen       | GOFs/WOCE        |
| Jef Snyder       | WOCE             |
| Chuck Stump      | GOFs/U.W. Oxygen |
| Chris Winn       | GOFs             |

### Itinerary (approximate local time):

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17 Nov.  
0400 Depart Honolulu  
0700 Arrive Kahe Pt  
1000 Depart Kahe Pt  
2000 Arrive HOT-site: deploy sediment traps  
2300 Commence CTD sampling

18 Nov.  
0300 Primary productivity cast

19 Nov.  
0000 Cease 24-hour CTD sampling & transit Honolulu  
1200 Arrive Snug Harbor & offload

20 Nov.  
1200 Depart Snug Harbor & transit ALOHA

21 Nov.  
0000 Arrive ALOHA & locate traps  
0800 Recover traps & transit Honolulu

22 Nov.  
0000 Arrive Honolulu

### Narrative:

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The Na'Ina a 110' vessel, was chartered from a private contractor for HOT-21. A test cruises conducted on the Na'Ina demonstrated that the

ship's crane was too long to safely deploy the CTD. It was therefore decided that CTD operations would be cancelled on HOT-21 and that sampling would be restricted to work not requiring the CTD.

HOT-21 departed Snug Harbor at 1030 on 17 November 1990 after solving some last minute electrical problems. An XBT was dropped, and an optical profile was obtained at the Kahe Point Station. XBTs were dropped en route to Station ALOHA.

Rough conditions at Station ALOHA (30 knott winds and 12-15' seas) prevented the planned primary production and sediment trap work. After holding station for approximately 12 hours, forecasts for increasing seas and gale force winds forced HOT-21 to return to Snug Harbor. We returned at 2200 on 18 November.