

WHP Ref. No.: PR3N  
Last updated: 16 March 1993

R/V Kofu Maru Cruise KO9010  
1. Cruise Narrative

### 1.1 Highlights

Expedition Designation - EXPCODE 49KF9010/1  
Kofu Maru Cruise KO9010

Chief Scientist: Naoshi Kubo, Hakodate Marine Observatory  
Ship: R/V Kofu Maru  
Port of call: Shiogama  
Cruise Dates: October 20 to October 31, 1990

### 1.2 Cruise Summary

Observations of PR03N (North of 34N on section PR03) were carried out on board the R/V Kofu Maru on Cruise KO9010. The ship sailed from Shiogama at 0500 UTC on 20 October 1990. At 2356 UTC on 24 October, we arrived at the southernmost station along the section PR03N and started observations. Because of trouble with Ocean Data Buoy No. 21001 at 36.7N, 145.7E we discontinued PR03N observations after station KO5738 and went to the buoy to inspect it. We resumed taking stations along PR03N at 1331 UTC on 28 October. The performance of the CTD, multisampler and other instruments was good throughout the cruise. The repeat of PR03N was completed 1040 UTC on 30 October.

### 1.3 Principal Investigators

The principal investigators for all the parameters measured on the cruise are listed in Table 1.

Table 1. Principal Investigators for All Measurements

Name	Responsibility	Affiliation
N. Kubo	Oxygen, Nutrients	HMO
T. Iwao	Salinity, CTD	HMO