

WFP Ref. No.: PR3N  
Last Updated: February 9, 1996

A. Cruise Narrative

A.1 Highlights

A.1.a WOCE designation PR3N  
Kofu Maru Cruise KO9210

A.1.b EXPOCODE49KF9210/1  
49kf9210/2

A.1.c Chief Scientist Takanori Iwao  
Hakodate Marine Observatory(HMO)

A.1.d Ship R/V Kofu Maru

A.1.e Ports of call Ofunato

A.1.f Cruise dates November 4 to November 6, 1992  
November 12 to November 14, 1992

A.2 Cruise Summary Information

A.2.a Geographic boundaries

A.2.b Stations occupied

A.2.c Floats and drifters deployed

A.2.d Moorings deployed or recovered

A.3 List of Principal Investigators

Table 1. Principal Investigators for All Measurements

| Name    | Responsibility   | Affiliation |
|---------|------------------|-------------|
| T. Iwao | CTD,S            | HMO         |
| N. Kubo | Oxygen,Nutrients | HMO         |

A.4 Scientific Programme and Methods

Observations of PR03N (North of 34N of the section PR03) were carried out on board the R/V Kofu Maru in the Cruise KO9210. The ship sailed from Ofunato at 0100 UTC on 3 November 1992. At 1323 UTC on 4 November, we arrived at the southernmost station along the section PR03N and started observation. Since the forecast of the approach of typhoon 9228 and of the passage the low pressure trough, we discontinued temporarily the PR03N observation after the observation at the station KO6269 and went to Ofunato to avoid them.

We resume the observation of PR03N at 1434 UTC on 12 November.

The cruise track and the location of stations are shown in Figure 1. The performances of the CTD, the multisampler and other instruments were good throughout the cruise. The observation of PR03N was completed 0345 UTC on 14 November.

A.5 Major Problems and Goals not Achieved

A.6 Other Incidents of Note

A.7 List of Cruise Participants

Table 2. Cruise Participants

| Name        | Responsibility                     | Affiliation |
|-------------|------------------------------------|-------------|
| T. Iwao     | Chief Scientist<br>S, CTD Hardware | HMO         |
| K. Kubo     | Oxygen, Nutrients                  | HMO         |
| M. Fujimura | CTD Software<br>CTD hardware       | HMO         |
| T. Segawa   | Watch Stander                      | HMO         |
| Y. Kan-no   | Watch Stander                      | HMO         |
| H. Kitagawa | Watch Stander                      | HMO         |
| K. Hayashi  | Oxygen, Nutrients                  | HMO         |
| T. Morimitu | Oxygen, Nutrients                  | HMO         |
| T. Aizawa   | Maritime Meteorology               | HMO         |