

WFP Ref. No.: PR3
Last Updated: Februaru 9, 1996

A. Cruise Narrative

A.1 Highlights

A.1.a WOCE designation PR3

A.1.b EXPCODE 49RY9210/2

A.1.c Chief Scientist Satoshi Kawai,
Japan Meteorological Agency,
1-3-4, Otemachi, Chiyoda-ku,
Tokyo 100, Japan

A.1.d Ship R/V Ryofu Maru

A.1.e Ports of call Leg 1: Onahama, Japan to Shimizu, Japan

A.1.f Cruise dates Leg 1: October 23, 1992 to November 5, 1992

A.2 Cruise Summary Information

A.2.a Geographic boundaries

A.2.b Stations occupied

Observations of PR3 were carried out as part of the R/V
Ryofu Maru cruise RY9210 Leg 2.

Number of Stations

A total of 15 CTD/rosette stations was occupied using a
General Oceanics 12 bottle rosette equipped with 12 1.7-liter
Niskin water sample bottles, and an NBIS MK III B CTD. No
additional sensors were used with the CTD system. We used two
CTD under-water-unit. Because of the trouble of FSK signal, we
had to change the under-water-unit while the cruise.

Sampling

The following water sample measurements were made:
salinity, oxygen, nitrate, nitrite and phosphate on all
stations. The depths sampled were: 10, 25, 50, 75, 100, 125,
150, 175, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000,
1250, 1500, 2000, 2500, 3000, 4000 in meters. Surface water
samples were collected by a bucket at every station.

A.2.c Floats and drifters deployed

A.2.d Moorings deployed or recovered

A.3 List of Principal Investigators

The principal investigators responsible for each parameter
measured on the cruise are listed in Table 1. (All the
correspondence on these data should be addressed to the Director
of the Oceanographical Division, Marine Department, Japan
Meteorological Agency.)

Name	Responsibility	Affiliation
I. Kaneko	CTD, S	JMA/MD
K. Fushimi	O ₂ , Nutrients	JMA/MD
JMA/MD Marine Department, Japan Meteorological Agency		

Table 1. Principal Investigators for all measurements.

A.4 Scientific Programme and Methods

A.5 Major Problems and Goals not Achieved

A.6 Other Incidents of Note

A.7 List of Cruise Participants