

WFP Ref. No.: PR2/PR3
Last Updated: February 9, 1996

A. Cruise Narrative

A.1 Highlights

A.1.a WOCE designation PR3

A.1.b EXPCODE 49RY9011/1
 49RY9011/2
 49RY9011/3

A.1.c Chief Scientist Shizuo Wakaki,
 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: Tokyo, Japan to Tokyo, Japan
 Leg 2: Tokyo, Japan to
 Guam, the United States of America
 Leg 3: Guam, the United States of America to
 Tokyo, Japan

A.1.f Cruise dates Leg 1: November 2, 1990 to November 13, 1990
 Leg 2: November 17, 1990 to November 28, 1990
 Leg 3: December 4, 1990 to December 19, 1990

A.2 Cruise Summary Information

A.2.a Geographic boundaries

A.2.b Stations occupied

Observations of PR2 were carried out as part of the R/V Ryofu Maru cruise RY9011 Leg 1 and Leg 2, and those of PR3 were Leg 3.

Number of Stations

A total of 28 CTD/rosette stations for PR2 and 5 stations for PR3 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. In addition, a total of 17 CTD stations for PR3 was occupied. No additional sensors were used with the CTD system.

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 on every station of PR2. On PR3, water sampling was carried out at only stations every 5 degrees in latitude. Surface water samples were collected by a bucket.

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 the individual parameters 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
H. Minami	CTD, S	JMA/MD
K. Fushimi	O ₂ , Nutrients	JMA/MD

JMA/MD Marine Department, Japan Meteorological Agency

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