

WHP Ref. No.: PR20
Last Updated: Feb 6, 1996

A. Cruise Narrative

A.1 Highlights

A.1.a WOCE designation PR20

A.1.b EXPCODE 21OR334/1

A.1.c Chief Scientist Cho-Teng Liu
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A.1.d Ship R/V Ocean Researcher 1

A.1.e Ports of call

A.1.f Cruise dates 29 October - 7 November 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

Cho-Teng Liu Professor of Oceanography
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Jian-Hua Hu Associate Professor of Oceanography
National Taiwan Ocean University
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A.4 Scientific Programme and Methods

This cruise started from the Keelung Port at Northern Taiwan as cruise number 334 of R/V Ocean Researcher 1. The first part is hydrographic survey (October 29-30) over PCM 1 line that is east of northern Taiwan, before switching to PR20 line (October 31 - November 7) that is east of southern Taiwan.

Unfortunately, the severe swell under the northeast monsoon (which was mostly above 30 knots) has kept the ship sailing at zigzag path between stations. Even the ship-board ADCP showed signs of sea-sickness, i.e. there were large random errors in both ADCP and GPS data, and the profiler can hardly reach 200m depth.

When reaching Pr20 on October 31, the hydraulic pipe for the A-frame had a rupture on the first station. It was fixed and we decided to

head towards Taiwan from station 19. There was more furniture damaged while carrying out CTD surveys towards station 1, and deploying ARGOS drifters near station 4 on November 3.

A.5 Major Problems and Goals not Achieved

A.6 Other Incidents of Note

A.7 List of Cruise Participants

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