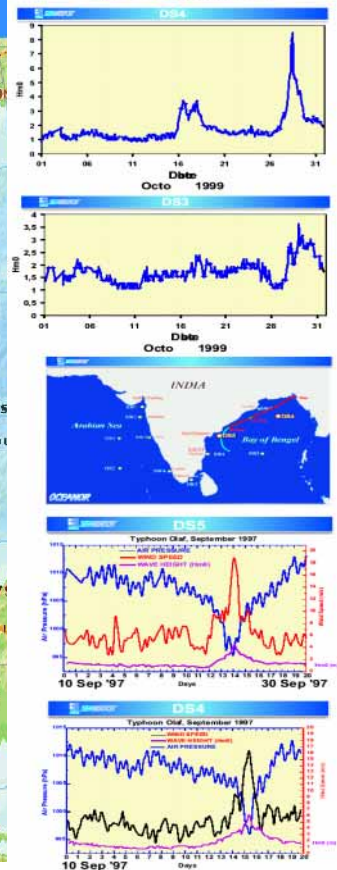


Seawatch: Vietnam



Significant Wave Height for the period leading up to the Supercyclone on 29th/30th October 1999



Vietnam

CLIENT: The Hydrometeorological Services of Vietnam (HMS)

PURPOSE: Implementation of a Marine Surveillance and Information System (MIS) for use in typhoon forecasting

DURATION: Phase I, 1995 to 1996
Phase II, 1999 to 2001
Operational Phase, 2001 onwards

LOCATION: South China Sea and Gulf of Tongking

DESCRIPTION:

The United Nations (UN) initiated a plan to mitigate the effects of natural disasters occurring in Vietnam. The UN

report "Strategy and Action Plan for Mitigating Water Disasters in Vietnam" recommended several measures to be taken. To improve the forecasting and warning system for typhoons, Fugro was selected to provide an automatic offshore buoy network to measure parameters important to the typhoon forecasting. The SEAWATCH Vietnam project included several modules, such as SEAWATCH buoys, hardware and software for receiving, storage and analysis of data and a HRD program. In Phase II a storm surge component was added, including an automatic water level recorder network along the coast as well as a numerical storm surge model. The Inmarsat-C system was used for data communication and ARGOS as backup tracking system for the buoys.

The system was delivered to the Hydrometeorological Services of Vietnam (HMS). The networks are operated by its subsidiary Marine Hydrometeorological Centre (MHC).

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