

## **BRAZILIAN NAVY**

### **NAVY HYDROGRAPHIC CENTRE**

#### **REPORT OF THE BRAZILIAN MARINE METEOROLOGICAL SERVICE**

##### **1 - INTRODUCTION**

The Brazilian Marine Meteorological Service is operated by the Navy Hydrographic Centre (NHC), and is located in the city of Niterói, Rio de Janeiro State. It is the national organization responsible for the production and publishing of meteorological analyses and forecasts for the maritime area which Brazil is responsible for (METAREA V), in order to attend to international commitment accepted by our country before the maritime community, as a member of the Safeguard of Life at Sea International Convention (SOLAS).

For simplification and clarity sake, METAREA V is divided into eight coastal areas (A through H), and two oceanic areas (South and North).

The Service itself is coordinated by the Meteorology and Oceanography Superintendent, and is run by four Divisions - Environmental Information, Environmental Predictions, Numerical Prediction and Remote Sensing. The Environmental Predictions Division is responsible for the generation and transmission of most products (manned 24/7) and is supported by the Numerical Prediction Division, which is responsible for all atmospheric and oceanographic models run by the Centre.

##### **2 - OFFERED PRODUCTS**

- Meteorological Bulletins (METEOROMARINHA) - twice a day and divided into five parts - Severe Weather Warnings, Synoptic Situation, Areas Forecasts (Weather, Wind, Waves and Visibility), IAC – FLEET Code and SHIPS
- Severe Weather Warnings - Wind Force  $\geq 7$ , Waves  $\geq 3$  meters, Wave Surge  $\geq 2.5$  meters and Visibility  $< 1$  km
- Special Forecasts - SAR
- Meteorological Charts - twice a day - Surface Pressure
- Numerical Modelling Products - atmospheric and oceanographic - twice a day
- Reference Information - Cloud Atlas, Glossary, Graphical Simbology and Beaufort Scale Table

##### **3 - TRANSMITTING METHODS**

- INMARSAT-C (SAFETYNET) - LES TANGUÁ
- RADIOFACSIMILE – PWZ33 ERMJR
- RADIOTELEPRINTING (RATT) – PWZ33 ERMJR
- RADIOTELEPHONY – RENEK – VHF AND HF - per request INTERNET – <http://www.dhn.mar.mil.br/dhn/chm/meteo> TELEFAX - +55 21 26208861

##### **4 - 2001 TRANSMISSIONS STATISTICS**

- Surface Pressure Charts - 730
- METEOROMARINHA - 730

- Special Forecasts – 3.127
- Severe Weather Warnings - 968
- SAR Special forecasts - 218

Niterói, 12 December 2006.

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