



German VOS National Report

Presented by
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PMO Office

North Sea

Baltic Sea

Rostock

Hamburg

Bremerhaven

Instrument stocks

Rotterdam

Wellington





German VOS Fleet

| | |
|---------------------|------------|
| Selected | 753 |
| Selected AWS | 17 |
| Auxiliary: | 25 |
| VOSClim | 46 |
| VOSClim AWS | 2 |
| <hr/> | |
| | 845 |



Standard Instruments

Future: Digital Equipment



Barometer



Sling



Barograph



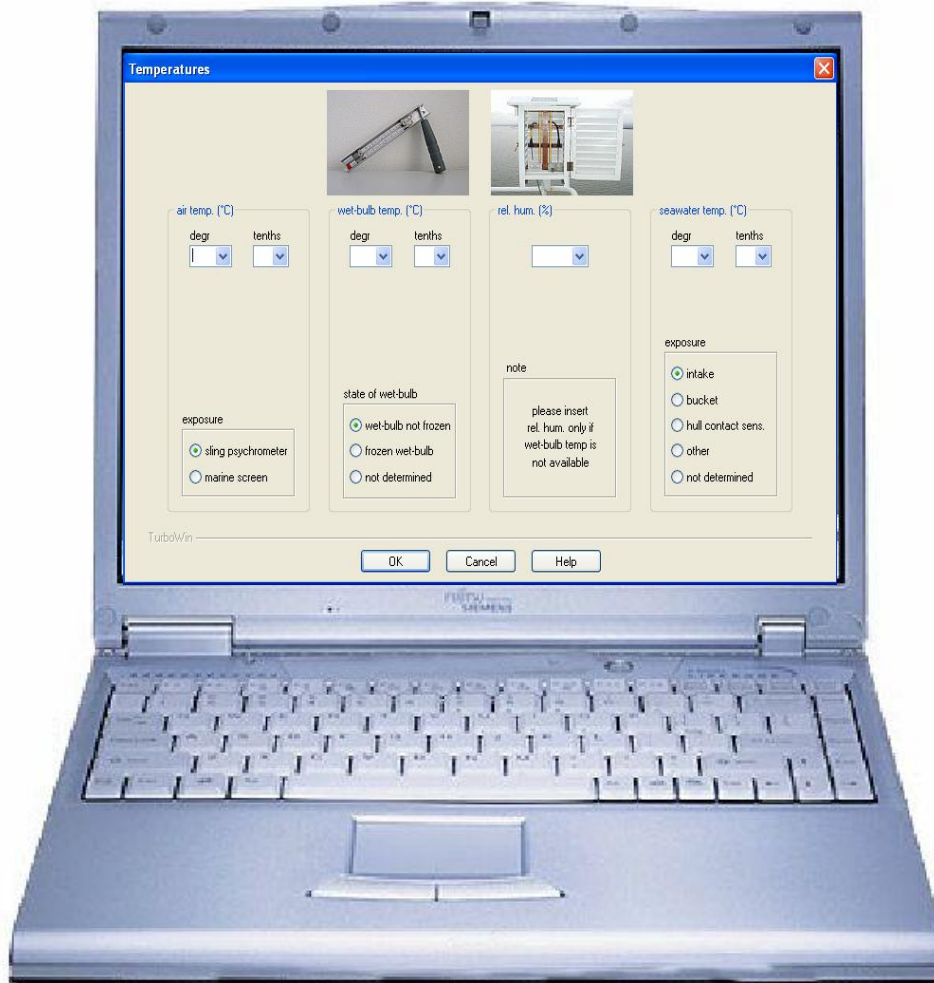
Bucket



Temperature & Humidity



Air Pressure & Tendency



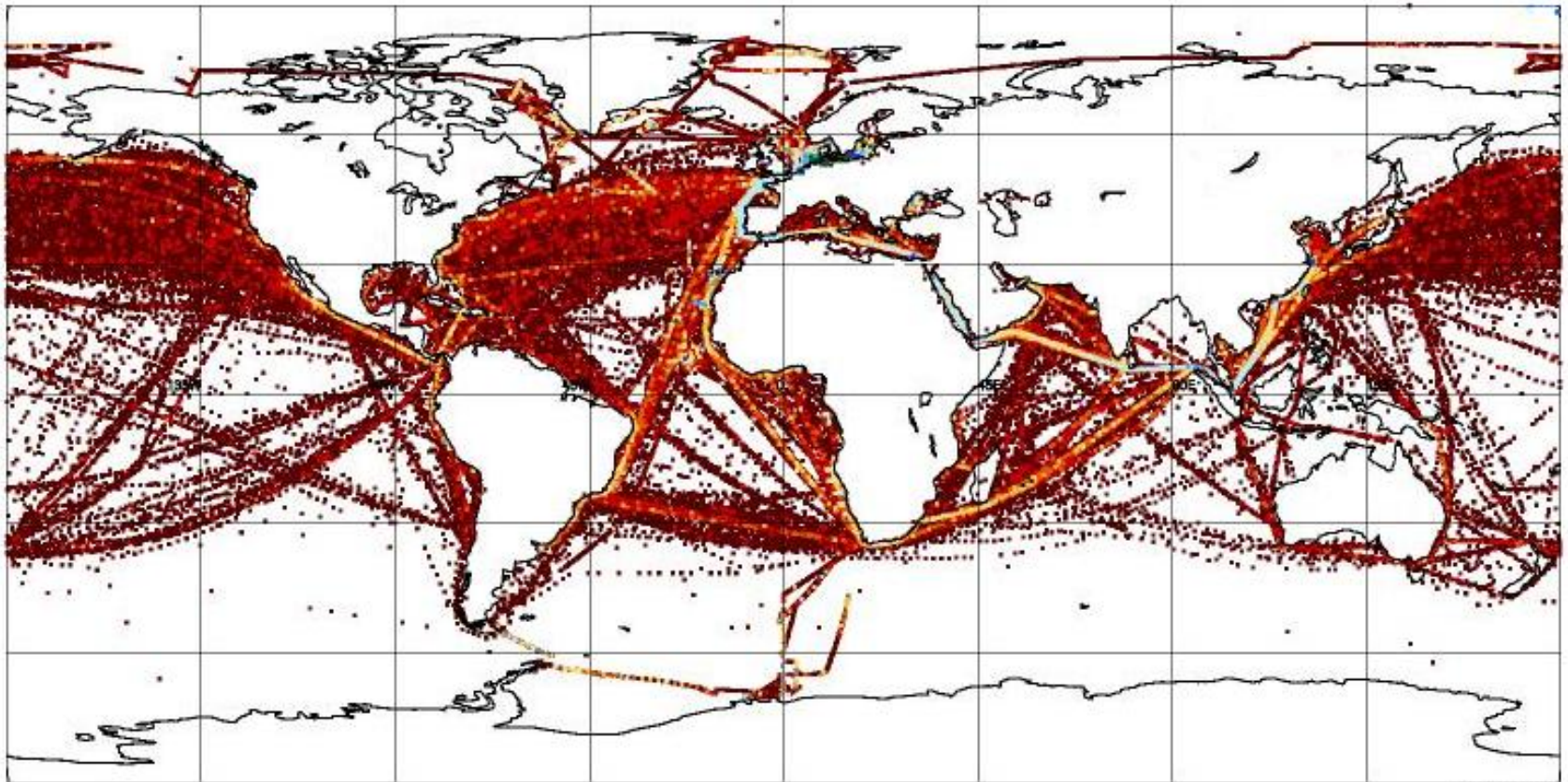
Electronic Logbook

Program *TurboWIN*

on **250** Notebook

and **550** Ship's PC

Geographical Distribution



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Deutscher Wetterdienst - Hafendienstverwaltung (VWEIDNER@armada)

Datei Bearbeiten Satz Abfrage Hilfe

WMO_47

WMO47-Metadaten

| | | | | | | | | |
|--------------------|-----------------|----------------|----------------|-------------------------|--------|-----------|-------|--------------------------|
| Name | Rufzeichen | Reederei | Erstausrüstung | | | | | |
| P&O NEDLLOYD SAMBA | ELVG7 | Offen/Hamburg | 22.11.1991 | | | | | |
| Status | Schiffstyp | letzter Besuch | Hafen | letzte Reise von - bis | Punkte | Augeshöhe | BRZ | Automat |
| aktiv | Containerschiff | 12.05.2004 | HAM | 10.04.2004 - 07.05.2004 | 5238 | 28 | 21049 | <input type="checkbox"/> |

Genral

Routen Barometer Thermometer - Luft Hygro./Tw/Barog. Windmessung Weitere Fußnoten

IMO-Nr. 8918992 Nation LR Liberia

Schiffstyp CS Container ship

Bildinfo NA Not available

VOS-Typ 21 Selected ships (merchant)

Automatisierungsgrad 5 Fully manual (no automation)

Baseline check 3 No automation

| | | | | | | |
|-------|--------|----------|----------|-------------|----------------------|----------------------------------|
| Länge | Breite | Tiefgang | Freibord | Ladungshöhe | Abstand Brücke - Bug | Beobachtungshöhe für Wind/Wellen |
| 182,2 | 28,4 | 11,5 | 4,0 | 9,0 | 148,7 | 28,4 |

Datum der letzten Änderung 12.05.2004

Schiffsdaten WMO-Liste

IMO-Nr: IMO-Nr. (IMO number, allocated by IMO) - Änderung nur in Schiffsdatenmaske möglich

Record: 1/1





Next 10 years ...

- ▶ Reducing the VOS fleet (target: ~ 400 VOS)

- ▶ Replacing conventional equipment on 200 VOS by electronic equipment
 - ▶ VOS-status: “VOSClim”

- ▶ Installation of new S-AWS on 200 merchant ships
 - ▶ Additional manual input not required
 - ▶ Problem: Frequent changes of routes and charters





Questions ?

Thank you !