



Notice 72 - 81  
August 2005  
*Supplied Gratis*

# **SOUTH AFRICAN NOTICE TO MARINERS**

## **August 2005 EDITION**

**PUBLISHED MONTHLY  
BY THE  
HYDROGRAPHIC OFFICE  
CAPE TOWN**

### **CONTENTS**

- I Explanatory Notes and Index
- II SAN Notices to Mariners. Updates to Standard Navigational Charts
- III SAN Charts and SAN HO Publications - New Charts / Editions
- IV Corrections to SAN HO Publications
- V Corrections to SA List of Lights and Radio Services
- VI Reprints of Radio Navigational Warnings

### **IMPORTANT**

Mariners are requested to inform the Hydrographer, Private Bag X1, Tokai 7966, immediately of the discovery of new dangers, or changes or defects in aids to navigation and of shortcomings in South African charts or publications. Copies of form HO-16, which is a convenient form on which to send in a report, may be obtained gratis from any Official Chart Agent or the reproduction at the end of Section VI of the monthly edition of Notices to Mariners.

In addition to postal methods, the following additional communication facilities are available :

Notices to Mariners Web site :	Web : <a href="http://www.sanho.co.za">http://www.sanho.co.za</a>
<b>Urgent navigational information :</b>	<b>Telex : 95 527946 (ANS BACK: NAVY SA)</b> <b>Fax : +27 21 787 2228</b> <b>Phone : +27 21 787 2445</b>
Other navigational information :	Fax : +27 21 787 2233 Phone : +27 21 787 2444 E-mail : <a href="mailto:hydrosan@iafrica.com">hydrosan@iafrica.com</a>
General information :	Phone : +27 21 787 2408

**Captain A. Kampfer**  
**Hydrographer, SA Navy**  
**NAVAREA VII Co-ordinator**

## INDEX OF CHARTS AND PUBLICATIONS AFFECTED

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<b>SAN Charts</b>	<b>Notices</b>	<b>Pages</b>
1015	72	1
SC 4	72	1
SC 5	73,74	1,2
1033 (INT 7571)	75	2

<b>SAN Publications</b>	<b>Notices</b>	<b>Pages</b>
Catalogue and Indexes of SAN Charts and other Hydrographic Publications - SAN HO-3 2004 Edition	79	4
Cumulative List of South African Notices to Mariners - 2005 Edition	80	4,5
South African List of Lights and Radio Signals (SAN HO-1) - 2005 New Edition	81	6

<b>SAN Charts - New Charts / Editions</b>	<b>Notices</b>	<b>Pages</b>
115 NE	76	4
1002 (INT 2631) NE	77	4

<b>SAN Charts - Permanently Withdrawn</b>	<b>Notices</b>	<b>Pages</b>
Nil		

<b>SANHO Publications - New / New Editions</b>	<b>Notices</b>	<b>Pages</b>
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### **Spheroid / GPS Positions**

All positions quoted in these Notices are referred to **Clarke 1880 (Mod) Spheroid** unless otherwise stated. On chart scales of **1: 100 000 and smaller**, positions from **GPS receivers** set to **WGS 84** may be plotted directly on these charts. Mariners are warned that **insertion of Clarke 1880 (or other) positions on Automatic Plotters which are set to WGS 84 Spheroid can result in inaccurate navigation practices.**

### **Temporary and Preliminary Notices**

These are indicated by (T) or (P) after the notice number. These are printed on one side of the paper in order that they may be cut and filed and are placed at the end of Section II. To assist in filing, the year is indicated after the notice number. **Information from these notices is not included on charts before issue;** charts should be updated in pencil on receipt.

### **Permanent Notices**

Permanent corrections in Section II are marked by a star adjacent to the notice number to indicate that the notice is based on original information. Periodic lists of permanent corrections pertaining to affected navigational charts and publications are published annually and copies may be obtained from the Hydrographic Office or through a Chart Agent.

### **Chart Corrections**

Further details are contained in NP100 The Mariner's Handbook which should be consulted for the correct procedures of filing, inserting and noting all types of corrections on nautical charts and other hydrographic publications. The Handbook may be obtained from Admiralty Chart Agents in Cape Town and Durban. Consult SAN HO-6 for Symbols and Abbreviations used on SAN Charts and NP735 for an illustrated explanation of the IALA Maritime Buoyage System.

### **Provision of Notices to Mariners**

These Notices are *gratis* and may be obtained on request from the Hydrographic Office or through the approved Chart Agents. Additional copies required of "block" chart corrections can also be obtained through the above procedure.

### **Radio Navigational Warnings**

See Note at the start of Section VI.

## **GUIDANCE NOTES FOR VIEWING AND PRINTING NOTICES USING ADOBE ACROBAT**

For optimum results when viewing and printing material from the PDF digital files please note the following:

The minimum specification is a 486 PC with Windows 3.1 and 4MB of RAM.

When printing data from the files, ensure the Fit to Page icon in the Adobe Acrobat print menu is switched off before printing. Otherwise large text pages will be compressed, or large size Blocks may not fit the chart.

If printing text or monochrome NM Blocks, the minimum specification is an Inkjet or good quality Laser Postscript printer with at least 6 MB of memory. (NB. If using a Postscript printer, ensure the Postscript printer driver is installed).

For printing Colour NM Blocks the minimum specification of printer is a good quality Ink Jet/Laser printer with 300 dpi resolution or greater.

If using certain types of Ink Jet printer ensure the setting is set to Dithered screening not Pattern screening.

Printed colour copies should be compared with the colour image on screen to ensure that all the colours have reproduced correctly. Printer property resolution and ink density may need to be increased or adjusted to obtain the best results.

Ensure the Colour Ink Cartridge is in accordance with the printer manufacturers specifications. Minimum paper specification for printing Colour NM Blocks is International paper size A4, thickness/weight 80 gsm paper. (The same paper as used for NM Blocks in the NM Weekly). NB. (Ensure the paper quality is in accordance with the Printer manufacturers specifications).

**The Hydrographer does not accept any liability for the display and printing of these digital Notices to Mariners on the users equipment.**

**I**

**TEMPORARY NOTICES AND PRELIMINARY NOTICES  
In force 30 August 2005**

**TEMPORARY NOTICES**

**2002 Series**

78(T)	Namibia	Baker's Bay	Foul Area.
89(T)	Namibia	Bogenfels	Anchor Obstructions, Foul Area.

**2003 Series**

64(T)	RSA	Durban Oil Terminal SBM	Buoy laid.
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**2004 Series**

25(T)	RSA	Simon's Bay	Submarine Mooring Buoy temporarily removed.
49(T)	RSA	Table Bay	Murray's Bay Harbour. Lights temporarily removed.

**2005 Series**

30(T)	RSA	Ystervarkpunt	Ystervarkpunt light out of order. Standby light operational.
31(T)	RSA	Umhlanga Rocks	Umhlanga Rocks light out of order. Standby light operational.
42(T)	RSA	Elandsbaai	Scientific buoy deployed.
47(T)	RSA	Danger Point	Salmon dams placed in Kleinbaai area.

**PRELIMINARY NOTICES**

**2004 Series**

41(P)	RSA	Table Bay	Murray's Bay Harbour. Works in progress (2004).
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**2005 Series**

Nil

## II

### ERRATUM

Nil

### SA NAVY SAN CHARTS OF SOUTH AFRICA AND NAMIBIA THAT ARE REFERRED TO THE WGS 84 SPHEROID

27 (INT 204)	76 (INT 2640)	79 (INT 2670)	84 (INT 7540)
87 (INT 7570)	90 (INT 2051)	1001 (INT 2611)	1002 (INT 2631)
1012 (INT 2672)	1020 (INT 7521)	1024 (INT 7531)	1025 (INT 7532)
1027 (INT 7541)	1030 (INT 7561)	1032 (INT 7572)	1033 (INT 7571)
1	113	114	115
125	126	132	133
134	1003	1015	1017
2004	SC3	SC5	

### MISCELLANEOUS


1. Mariners are advised that the primary and most reliable means of communication with HYDROSAN for all messages is via Telex : 95 527946 (ANS BACK : NAVY SA) or alternatively via Facsimile number : +27 21 787 2228.

2. Current and archived South African Notices to Mariners is available in PDF format on the internet at Website : <http://www.sanho.co.za>


#### 72\* SOUTH WEST COAST, Houtbaai - North Mole Marker Buoys

Source : Hydrographer

##### SAN 1015 [Previous Update 109/02]

1. Insert :  in approximate position 34°03'04".0 S 018° 20'57".5 E

##### SAN SC 4 [Previous Update 44/04]

1. Insert :  in approximate position 34°03'03".2 S 018° 21'00".0 E


2. NM 84(T)/04 is cancelled. Two unlit yellow steel cylindrical marker buoys mark a submerged obstruction off the head of the North Mole on the starboard side when entering the harbour.

(SAN 1015, SAN SC 4)

#### 73\* SOUTH WEST COAST, Struisbaai - Marker buoys - NSRI Station


Source : Hydrographer

##### SAN SC 5 - Struisbaai Panel [Previous Update 34/04]

1. Insert :  in approximate positions

a) 34° 47' 56".5 S 020° 03' 31".9 E

b) 34° 48' 00".5 S 020° 03' 29".5 E

2. Insert :  in approximate position 34° 48' 01".53 S 020° 03' 27".20 E

(SAN SC 5)

**74\* SOUTH WEST COAST - FALSE BAY TO CAPE AGULHAS**

Source : Hydrographer

**SAN SC 5**

**SMALL CRAFT SAILING DIRECTIONS - CAPE AGULHAS TO RYSPUNT**

1. Insert accompanying block correction to replace para 3

**SMALL CRAFT FACILITIES DIAGRAM**


2. Amend Under Telephone Numbers - Struisbaai  
(02846)56220 to read (02843)56220
3. Amend Under Telephone Numbers - Arniston  
(02847)59720 to read (02844)59720

(SAN SC 5)

**75\* EAST COAST - Richards Bay - Buoy**

Source : National Ports Authority (NPA)

**INT 7571 SAN 1033 [Previous Update 65/05]**

1. Delete :  in approximate position 28°49'.1 S 032° 02'.7 E

2. Buoy removed until April 2007 due to the construction of Coal Berth 306.

(SAN 1033)

## IIA

### LIST OF TEMPORARY AND PRELIMINARY NOTICES TO MARINERS ISSUED BY THE MOZAMBIQUE INSTITUTE OF HYDROGRAPHY AND NAVIGATION (INAHINA) IN FORCE

**Important Notice** : Mariners are advised that positions for Mozambique Notices are given in WGS 84 Datum. Caution is therefore advised when plotting positions on large scale British Admiralty charts that are not of the same datum.

**Nil prior to these Notices.**

#### 2003 Series

07MOZ(T)/03      Porto de Maputo      Buoys out of position.

#### 2005 Series

MOZ 04/05 (T)	Port of Quelimane	Buoy 3 temporarily out of position.
MOZ 05/05 (T)	Port of Maputo	Cias de Bombagem temporarily unlit.
MOZ 06/05 (T)	Port of Quelimane	Buoy 2 temporarily out of position.
MOZ 13/05 (T)	Port of Quelimane	Buoy A temporarily unlit.
MOZ 14/05 (T)	Port of Quelimane	Buoy 4A temporarily out of position.
MOZ 15/05 (T)	Port of Quelimane	Buoy 2A temporarily out of position.
MOZ 16/05 (T)	Port of Pebane	Lighthouse Ponta Matirre unlit.
MOZ 17/05 (T)	Port of Quelimane	Spar Buoy 12 out of position.
MOZ 19/05 (T)	Port of Maputo	Buoy 3N repositioned.
MOZ 20/05 (T)	Port of Maputo	Lacerda lighthouse unlit.

#### MOZ 17/05(T) MOZAMBIQUE, Port of Quelimane - Spar Buoy out of position

Source : INAHINA

#### MOZ 49626 and BA 650

1. Insert : Legend (*Out of Position*) adjacent to the following buoy:

Spar Buoy 12	in position	17°53' 16" S	036° 53' 20" E
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#### MOZ 19/05(T) MOZAMBIQUE, Port of Maputo - Buoy repositioned

Source : INAHINA

#### MOZ 496, 49659 and BA 644, 646, 2930

1. Insert : Legend (*Repositioned*) adjacent to the following buoy:

Buoy 3N	in position	25°49' 48" S	032° 50' 50" E
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#### MOZ 20/05(T) MOZAMBIQUE, Port of Maputo - Lighthouse unlit

Source : INAHINA

#### MOZ 49659 and BA 644, 646, 2930

1. Insert : Legend (*Unlit*) adjacent to Lacerda:

position	25°33' 42" S	032° 50' 39" E
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### III

#### NEW CHARTS AND SAN HO PUBLICATIONS - NEW CHARTS/EDITIONS

##### 76/05 NEW EDITION

##### SAN 115 SKULPFONTEINPUNT TO ISLAND POINT

Publication Date : 29 July 2005  
Scale : 1:150 000 (30°30'S)  
Limits : Latitudes : 30° 05' 12"S - 30° 56' 24"S Longitudes : 16° 14' 00"E - 17° 44' 24"E  
Projection : Mercator  
Spheroid : WGS 84

This chart has been reproduced in the WGS 84 spheroid and is now available from official Chart Agents.

##### 77/05 NEW EDITION

##### SAN 1002 (INT 2631) APPROACHES TO LÜDERITZ

Publication Date : 29 July 2005  
Scale : 1: 30 000 (26°37'S)  
Limits : Latitudes : 26° 30' 06"S - 26° 45' 12"S Longitudes : 14°59' 06"E - 15°10' 54"E  
Projection : Mercator  
Spheroid : WGS 84

This chart has been reproduced in the WGS 84 spheroid and is now available from official Chart Agents.

##### 78/05 NEW SAN HO PUBLICATION

South African Tide Tables (SAN HO - 2) - 2007 Edition. The new edition is now available from official Chart Agents.

### IV

#### CORRECTION TO SAN HO PUBLICATIONS

##### 79/05 CATALOGUE AND INDEXES OF SAN CHARTS AND OTHER HYDROGRAPHIC PUBLICATIONS - SAN HO-3 - 2004 EDITION

##### 1. Page 13, 15 INDEX OF NAVIGATIONAL CHARTS

Insert : See accompanying block correction.

##### 80/05 CUMULATIVE LIST OF SA NOTICES TO MARINERS - 2005 EDITION

Source : Hydrographer

##### Page 2 NEW CHART

Insert : Under Chart :  
INT 7540 - 84 (col 1)

**80/05 cont....**

Insert : Under Edition :  
Apr 2005 (col 2)

Insert : Under Notices to Mariners  
2005.53.67.80. (col 3)

Page 2 **115**

Amend : Under Edition :  
Jan 1972 to read Jul 2005 (col 2)

Replace : All existing notices under Notices to Mariners  
with *NIL* (col 3)

Page 4 **INT 2631 - 1002**

Amend : Under Edition :  
Mar 1996 to read Jul 2005 (col 2)

Replace : All existing notices under Notices to Mariners  
with *NIL* (col 3)

Page 6 **PUBLICATION - HO-2 - NEW EDITION**

Insert : Under Edition :  
2007 (col 2)

Insert : Under Notice to Mariners  
*NIL* (col 3)

**81/05                    CORRECTION TO SA LIST OF LIGHTS AND RADIO SIGNALS (SAN HO-1)**  
**2005 New Edition**

1. Pages 36 - 40                    **METEOROLOGICAL SERVICES FOR SHIPPING**

Insert : Accompanying block corrections.

## VI

### NAVAREA VII and Coastal Navigational Warnings Bulletin in force as at 30 August 2005

See NM 3/2004. Broadcast Warnings are available at Port Offices and remain valid until cancelled or until superseded by this and/or other broadcast bulletins.

#### NAVAREA VII MESSAGES

##### Nil Prior to these Messages

##### 2005 Series

- 088 S Atlantic and Indian Oceans - Extension of METAREA VII shipping forecast validity period.
- 089 Africa East Coast - Port of Quelimane - buoy temporary out of position.
- 092 S Atlantic Ocean NE Sector - large orange mooring buoy sighted with object attached.
- 094 S Atlantic Ocean NE Sector - Angola - DP drilling ship SAIPEM - drilling operations.
- 095 S Atlantic Ocean NE Sector - DP drilling ship KIZOMBA - drilling operations.
- 096 S Atlantic Ocean NE Sector - Angola - riglist.
- 100 Mozambique Channel - Port of Maputo - buoy repositioned.
- 105 Mozambique Channel - Port of Maputo - Lacerda lighthouse unlit.
- 107 S Atlantic Ocean NE Sector - MV Cape Maleas reported black floating drum.

#### COASTAL NAVWARNING MESSAGES

##### Nil Prior to these Messages

##### 2005 Series

- |     |         |                      |   |
|-----|---------|----------------------|---|
| 243 | RSA     | Saldanha Bay         | Port Radar and VHF severely restricted.                         |
| 254 | Namibia |                      | 2 Floating ropes with unlit marker buoys attached reported.     |
| 257 | RSA     | Agulhas Bank         | FA Platform racon beacon not transmitting.                      |
| 277 | RSA     | Umkomaas River       | Buoys place on effluent pipeline.                               |
| 279 | RSA     | Durban Approaches    | New buoy marking demolished caisson.                            |
| 280 | RSA     | Durban Harbour       | Unreliable VTS radars.  |
| 289 | Namibia |                      | MV Lady S left 4 anchors.                                       |
| 290 | RSA     | East London Harbour  | Fog Horn inoperative.   |
| 293 | Namibia | Bakers Bay           | MV Sakawe Miner anchor spread.                                  |
| 297 | RSA     | Cape Seal            | FV Gerombee left anchor.  |
| 308 | RSA     | False Bay            | Whittle Rock buoy temporarily removed.                          |
| 319 | Namibia | Lüderitz             | Swamped anchors with 4 unlit red marker buoys.                  |
| 320 | Namibia | Bogenfels            | Swamped mining tools.   |
| 367 | Namibia |                      | MV Ivan Prinsep's lost anchor marked with 2 unlit orange buoys. |
| 369 | RSA     | Richards Bay Harbour | Pelican Island west east groyne lights unlit.                   |
| 370 | RSA     | Richards Bay Harbour | Buoy removed.   |
| 371 | RSA     | Hout Bay Harbour     | Positioning of two yellow marker buoys.                         |
| 372 | Namibia | Elizabeth Bay        | Namakwa has anchor spread.                                      |
| 373 | Namibia | Chamais Bay          | MV Excalibur left 4 anchors.                                    |
| 382 | RSA     | False Bay            | Target structure erected.                                       |
| 395 | RSA     | Great Fish Pt        | Pentow Service towing unlit barge.                              |
| 398 | RSA     | Wreck Pt             | Megadrill sampling operations.                                  |
| 399 | Namibia | Hottentot Pt         | MV Kovambo has anchor spread.                                   |
| 400 | RSA     | Cape Agulhas         | Lobby missile firing.   |
| 402 | Namibia | Elizabeth Bay        | MV Namakwa has lost 1 anchor.                                   |
| 415 | RSA     | Mossel Bay           | Port to operate with 24 hour service including weekends.        |
| 417 | Namibia | Orange River Mouth   | FRS Algoa sighted stationery unlit red and yellow drum.         |
| 418 | RSA     | Robben Island        | Starboard light Murray's Bay harbour unlit.                     |
| 419 | Namibia | Lüderitz             | MV DF Discoverer to resume operations.                          |
| 421 | RSA     | Port Nolloth Harbour | Unlit buoy out of position.                                     |
| 422 | RSA     | Port Nolloth Harbour | 2 bassen buoys out of position.                                 |
| 425 | RSA     | Cape Columbine       | Missile firing and gunnery exercise.                            |

**VI**  
**ANNEX A**

USA Government Special Warning in force 24 August 2003

**SPECIAL WARNING NUMBER 120 WORLDWIDE**

1. Due to recent events in the Middle East and the American Homeland, U.S. Forces worldwide are operating at a heightened state of readiness and taking additional defensive precautions against terrorists and other potential threats. Consequently, all aircraft, surface vessels, and sub-surface vessels approaching U.S. Forces are requested to maintain radio contact with U.S. Forces on bridge-to-bridge channel 16, international air distress (121.5 Mhz VHF) or MILAIR distress (243.0 Mhz UHF).
2. U.S. Forces will exercise appropriate measures in self-defence if warranted by the circumstances. Aircraft, surface vessels, and sub-surface vessels approaching U.S. Forces will, by making prior contacts as described above, help make their intentions clear and avoid unnecessary initiation of such defensive measures.
3. U.S. Forces, especially when operating in confined waters, shall remain mindful of navigational considerations of aircraft, surface vessels, and sub-surface vessels in their immediate vicinity.
4. Nothing in the Special Warning is intended to impede or otherwise interfere with the freedom of navigation or overflight of any vessel or aircraft, or to limit or expand the inherent self-defence rights of U.S. Forces. This Special Warning is published solely to advise of the heightened state of readiness of U.S. Forces and to request that radio contact be maintained as described above. (Issued 16 Nov 2001).

**VI**

USA Government Special Warning in force 24 August 2003

**SPECIAL WARNING NUMBER 121 PERSIAN GULF**

1. Coalition Naval Forces may conduct military operations in the Eastern Mediterranean Sea, Red Sea, Gulf of Aden, Arabian Sea, Gulf of Oman and Arabian Gulf. The timely and accurate identification of all vessels and aircraft in these areas are critical to avoid the inadvertent use of force.
2. All vessels are advised that coalition Naval Forces are prepared to exercise appropriate measures in self-defense to ensure their safety in the event they are approached by vessels or aircraft. Coalition Forces are prepared to respond decisively to any hostile acts or indications of hostile intent. All maritime vessels or activities that are determined to be threats to Coalition Naval Forces will be subject to defensive measures, including boarding, seizure, disabling or destruction, without regard to registry or location. Consequently, surface vessels, sub-surface vessels and all aircraft approaching Coalition Naval Forces are advised to maintain radio contact on Bridge-to-Bridge channel 16, International Air Distress (121.5 MHZ VHF) or Military Air Distress (243.0 MHZ UHF).
3. Vessels operating in the Middle East, Eastern Mediterranean Sea, Red Sea, Gulf of Oman, Arabian Sea and Arabian Gulf are subject to query, being stopped, boarded and searched by US/Coalition warships operating in support of operations against Iraq. Vessels found to be carrying contraband bound for Iraq or carrying and/or laying Naval mines are subject to detention, seizure and destruction. This notice is effective immediately and will remain in effect until further notice.

USA Government Special Warning in force 12 March 2005

**SPECIAL WARNING NUMBER 122 EAST AFRICA**

1. The US Government has received unconfirmed information that terrorists may attempt to mount a maritime attack using speedboats against a western ship - possibly in East Africa. No additional information is available on the planning, timing or intended targets of the maritime attack. This notice is effective immediately and will remain in effect until further notice.

HO-16 (August 2002)

**HYDROGRAPHIC NOTE**

(for instructions, see overleaf)

Date .....

Ref. No .....

Name of ship or sender : .....

Address of sender : .....

.....

.....

Tel/Fax/Telex No. e-mail address of sender (if appropriate) : .....

General locality Subject : .....

Position : Lat : ..... Long : .....

SAN Chart(s) affected : ..... Edition dated : .....

Position fixing system used : ..... Datum set : .....

Latest Monthly Edition of Notice to Mariners held : .....

Publications affected : (Edition No ..... date of latest supplement, page and Light List No. etc.)

Details:

A replacement copy of Chart(s) No(s) ..... is required, but see 4 overleaf.

Signature of observer/reporter : .....

## HYDROGRAPHIC NOTE

### Forwarding Information for South African Charts and Hydrographic Publications

#### INSTRUCTIONS

1. Mariners are requested to notify the Hydrographer of the South African Navy, Private Bag X1, Tokai, 7966, or by Facimile 021 7872228 or E-mail *hydrosan@iafrica.com* when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications seen to be necessary. The *Mariner's Handbook (NP 100) Chapter 8* gives general instructions. The provisions of international and national laws should be complied with when forwarding such reports.

2. This form and its instructions have been designed to help both the sender and the recipient. It should be used, or followed closely, whenever appropriate. Copies of this Form may be obtained gratis from the SAN Hydrographic Office at the above address or principal Chart Agents (see *Annual Notice to Mariners No.1*).

3. When a **position** is defined by sextant angles or bearings (true or magnetic being specified) more than two should be used in order to provide a check. Distances observed by radar and the readings of Loran, Decca, etc., should be quoted. Latitude and longitude should only be used specifically to position the details when they have been fixed by astronomical observations or GPS and a full description of the method, equipment and datum (where applicable) used should be given.

4. A cutting from the largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of a chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. When **soundings** are obtained *The Mariner's Handbook (NP 100)* should be consulted. The echo sounding trace should be marked with times, depths, etc., and forwarded with the report. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of set should also be given.

6. Modern **echo sounders** frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded,
- (b) the trace passing through the transmission line,
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depths.

7. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.

8. Reports of **shoal soundings**, uncharted dangers and navigational aids out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be of sufficient importance to justify a radio message.

9. **Port information** should be forwarded on Form HO-16a together with Form HO-16. Form HO-16a lists the information required for South African Sailing Directions and should be used as an *aide memoire*. Where there is insufficient space on the form an additional sheet should be used.

**Note :** An acknowledgement or receipt will be sent and the information then used to the best advantage which may mean immediate action or inclusion in a revision in due course. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received from other authorities. An explanation of the use made of contributions from all parts of the world would be too great a task and a further communication should only be expected when the information is of outstanding value or has unusual features.

**HO-16a (March 2004)**

**HYDROGRAPHIC NOTE FOR PORT  
INFORMATION**

**(To accompany Form HO-16)**

Name of ship or sender : .....

Address of sender : .....

Ref. No. ....

.....

Date : .....

.....

1. NAME OF PORT	
2. GENERAL REMARKS Principal activities and trade. Latest population figures and date. Number of ships or tonnage handled per year. Maximum size of vessel handled. Copy of Port Handbook if available.	
3. ANCHORAGES Designation, depths, holding ground, shelter afforded.	
4. PILOTAGE Authority for requests. Embarkation position. Regulations.	
5. DIRECTIONS Entry and berthing information. Tidal Streams. Navigational aids.	
6. TUGS Number available and max. hp.	
7. WHARVES Names, numbers or positions. Lengths. Depths alongside. Heights above Chart Datum. Facilities available.	
8. CARGO HOLDING Containers, lighters, Ro-Ro etc.	
9. CRANES Brief details and max. capacity.	

<p>10. REPAIRS</p> <p>Hull, machinery and underwater. Ship and boat yards. Docking or slipping facilities. Give size of vessels handled or dimensions. Hards or ramps. Divers.</p>	
<p>11. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, NSRI, etc.</p>	
<p>12. SUPPLIES</p> <p>Fuel with type and quantities available. Fresh water with rate of supply. Provisions.</p>	
<p>13. SERVICES</p> <p>Medical. De-ratting. Consuls. Ship chandlery, compass adjustment, tank cleaning, hull painting.</p>	
<p>14. COMMUNICATIONS</p> <p>Road, rail and air services available. Nearest airport or airfield. Port radio and information service with frequencies and hours of operating.</p>	
<p>15. PORT AUTHORITY</p> <p>Designation, address and telephone number.</p>	
<p>16. SMALL CRAFT FACILITIES</p> <p>Information and facilities for small craft (eg yachts) visiting the port. Yacht Clubs, berths, etc.</p>	
<p>17. VIEWS</p> <p>Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour etc. Picture postcards may also be useful.</p>	

Signature of observer/reporter

.....

To accompany SA Notice to Mariners 74/05

The small **fishing harbour** of Struisbaai lies just inside the NW corner of Northumberland Point. A **directional light**, the centre of the *white* sector bearing **268°(T)**, marks the optimum approach to the harbour. It has a **concrete breakwater** which runs NNE for about 200m and a **light** is displayed from a white and red tower at its extremity. Small craft can come alongside the wall on its inner side. There are **three slipways** and a short **jetty** where the fishing boats discharge their catch. **Moorings** for approx. 50 craft have been laid and vessels requesting a mooring should **contact the harbour master prior to a visit**. A second intertidal breakwater lies about 100m to the W of the main breakwater. Two dangerous submerged mooring blocks are indicated by red unlit marker buoys. A recommended passage when entering harbour, is to the starboard side of these buoys practising caution when passing the western breakwater. The NSRI (Station 30) operates from Struisbaai. The best **anchorage** in Struisbaai is under the lee of the Northumberland Point, 1 mile NNE of the harbour, in 9 - 10m of water. If the wind shows signs of backing to the S or SE and freshening, this anchorage becomes precarious.

SOUTHERN AFRICA  
NAMIBIA - WEST COAST

## WALVIS BAY TO ORANGE RIVER

CHART No	CHART TITLE	SCALE 1 :	N LATITUDE (S)	S LATITUDE (S)	W LONGITUDE (E)	E LONGITUDE (E)	PUBLICATION DATE	NEW EDITION DATE
<b>1 : 1 000 000 INTERNATIONAL SERIES</b>								
†	SAN 91	Walvis Bay to Orange River .....						
<b>1 : 600 000 NATIONAL SERIES</b>								
	SAN 52	Koichab River to Conception Bay. ....	20°29'40"	24°10'00"	9°00'00"	15°00'00"	Mar 1971	
	SAN 53	Conception Bay to Van Reenensbaai. ....	23°52'18"	27°27'00"	9°30'00"	15°30'00"	Aug 1972	
	SAN 54	Van Reenensbaai to Adam se baai .....	27°18'51"	30°47'00"	11°34'57"	17°35'00"	Apr 1974	
<b>1 : 300 000 INTERNATIONAL SERIES</b>								
	INT 2610 SAN 73	Cape Cross to Conception Bay. ....	21°40'00"	24°12'18"	12°56'17"	14°49'59"	Feb 1993	
	INT 2620 SAN 74	Conception Bay to Hottentot Point .....	23°45'00"	26°14'51"	13°21'18"	15°15'00"	Jul 1995	
	INT 2630 SAN 75	Hottentot Point to Chamais Bay. ....	26°00'00"	28°36'38"	13°50'00"	15°51'15"	Oct 1995	
	INT 2640 SAN 76	Chamais Bay to Port Nolloth .....	27°50'00"	29°42'00"	14°10'00"	17°10'00"	Oct 1998	
<b>1 : 150 000 NATIONAL SERIES</b>								
wgs 84	SAN 113	Orange River to White Point .....	28°32'00"	29°23'34"	15°30'54"	17°00'00"	Oct 1972	Jul 2000
<b>LARGE SCALE INTERNATIONAL CHARTS</b>								
wgs 84	NT 2611 SAN 1001	Approaches to Walvis Bay .....	22°45'24"	22°58'19"	14°20'00"	14°32'50"	Apr 2002	
		Walvis Bay Harbour .....	22°52'36"	22°57'45"	14°28'30"	14°31'41"		
wgs 84	INT 2631 SAN 1002	Approaches to Lüderitz .....	26°30'06"	26°45'12"	14°59'06"	15°10'54"	Mar 1996	Jul 2005
		Lüderitz .....	26°37'00"	26°39'00"	15°08'12"	15°10'18"		
<b>LARGE SCALE NATIONAL CHARTS</b>								
wgs 84	SAN 1003	Harbours on SW Coast of Africa						
		Oranjemund .....	28°33'01"	28°38'25"	16°17'07"	16°25'33"	Jul 1998	
		Alexander Bay .....	28°39'49"	28°41'11"	16°29'11"	16°30'57"		
		Hondeklipbaai .....	30°18'24"	30°19'29"	17°15'36"	17°16'46"		
		Port Nolloth .....	29°14'20"	29°16'07"	16°50'15"	16°53'12"		
		Lambert's Bay .....	32°04'25"	32°05'49"	18°16'39"	18°19'24"		

SOUTHERN AFRICA  
SOUTH AFRICA - WEST and SOUTH WEST COAST

ORANGE RIVER TO TABLE BAY

CHART No	CHART TITLE	SCALE 1 :	N LATITUDE (S)	S LATITUDE (S)	W LONGITUDE (E)	E LONGITUDE (E)	PUBLICATION DATE	NEW EDITION DATE
<b>1 : 1 000 000 INTERNATIONAL SERIES</b>								
† SAN 92	Orange River to Table Bay .....							
<b>1 : 600 000 NATIONAL SERIES</b>								
SAN 54	Van Reenensbaai to Adam se baai .....		27°18'51"	30°47'00"	11°34'57"	17°35'00"	Apr 1974	
SAN 55	Adam se baai to Table Bay .....		30°35'45"	33°57'00"	13°05'57"	19°06'00"	Nov 1973	
SAN 56	Cape Columbine to Cape Infanta .....		32°49'00"	36°06'00"	15°00'00"	21°00'00"	Nov 1981	
<b>1 : 300 000 INTERNATIONAL SERIES</b>								
WGS 84 INT 2640 SAN 76	Chamais Bay to Port Nolloth .....		27°50'00"	29°42'00"	14°10'00"	17°10'00"	Oct 1998	
INT 2650 SAN 77	Port Nolloth to Island Point .....		29°13'00"	30°58'27"	15°00'00"	18°00'00"	Nov 1995	
INT 2660 SAN 78	Island Point to Cape Deseada .....		30°46'15"	32°30'00"	15°30'00"	18°30'00"	Mar 1994	
WGS 84 INT 2670 SAN 79	Cape Deseada to Table Bay .....		32°10'00"	34°37'06"	16°58'44"	19°00'00"	Oct 1990	Nov 1999
INT 2680 SAN 80	Table Bay to Cape Agulhas .....		33°45'00"	35°23'00"	17°10'00"	20°10'02"	Aug 1990	Mar 1997
<b>1 : 150 000 NATIONAL SERIES</b>								
WGS 84 SAN 113	Orange River to White Point .....		28°32'00"	29°23'34"	15°30'54"	17°00'00"	Oct 1972	Jul 2000
WGS 84 SAN 114	White Point to Skulpfonteinpunt .....		29°19'12"	30°10'24"	15°51'00"	17°20'36"	Aug 1972	Nov 2003
WGS 84 SAN 115	Skulpfonteinpunt to Island Point .....		30°05'12"	30°56'24"	16°14'00"	17°44'24"	Jan 1972	Jul 2005
SAN 116	Island Point to Olifantsrivier .....		30°53'01"	31°44'34"	16°46'57"	18°18'12"	Jan 1973	Mar 1998
SAN 117	Olifantsrivier to Cape Columbine .....		31°36'42"	32°53'00"	17°21'58"	18°25'00"	Apr 1972	Nov 1996
SAN 118	Cape Columbine to Table Bay .....		32°40'46"	33°57'00"	17°26'13"	18°30'00"	May 1981	Jul 1998
	House Bay – Dasseneiland .....	12 000						
SAN 119	Melkbospunt to Kaap Hangklip .....		33°42'00"	34°58'16"	17°50'00"	18°54'33"	Jul 1979	Jul 1998
<b>1 : 100 000 NATIONAL CHART</b>								
SAN 150	Table Bay to Valsbaai .....		33°43'09"	34°34'00"	18°09'16"	18°52'12"	Sep 1978	Nov 1999
<b>LARGE SCALE NATIONAL CHARTS</b>								
WGS 84 SAN 1003	Harbours on SW Coast of Africa							
	Oranjemund .....	50 000	28°33'01"	28°38'25"	16°17'07"	16°25'33"	Jul 1998	
	Alexander Bay .....	6 000	28°39'49"	28°41'11"	16°29'11"	16°30'57"		
	Hondeklipbaai .....	10 000	30°18'24"	30°19'29"	17°15'36"	17°16'46"		
	Port Nolloth .....	10 000	29°14'20"	29°16'07"	16°50'15"	16°53'12"		
	Lambert's Bay .....	9 000	32°04'25"	32°05'49"	18°16'39"	18°19'24"		

## METEOROLOGICAL SERVICES FOR SHIPPING

### WEATHER FORECASTS

1. As a signatory to the *SOLAS Convention (Safety of Life at Sea)*, South Africa has undertaken to provide a marine meteorological service for shipping. This task has been entrusted to the South African Weather Service (SAWS). SAWS has the responsibility for providing maritime forecasts for METAREA VII, boundaries and sub-regions are shown in the diagram on page 40.
2. Weather forecasts for shipping are compiled by the South African Weather Service twice daily and transmitted to South African Coast Radio Stations and Coast Earth Stations serving METAREA VII from where forecasts are broadcast to ships as detailed in the schedules on page 38.
3. Bulletins are compiled to address the needs of shipping on the high seas (Deep Sea Forecast - transmitted from Coastal Radio Stations and from Coast Earth Stations via satellite) and in the coastal waters (Coastal Waters Forecast - transmitted by Coastal Radio Stations).

### DEEP SEA FORECASTS

1. Each weather forecast for the Deep Sea currently consists of storm warnings, a synopsis of the major features of the surface synoptic chart and weather forecasts.

#### Storm Warnings

1. Warnings are given for gales (Beaufort Force 8 or 9 - 35 to 47 knots) and storms (Beaufort Force 10 or greater - greater than 47 knots) and for tropical cyclones.
2. The following information is given in the warnings :
  - Date and time of reference in UTC and validity period;
  - Type of warning - (in practice no distinction is usually made between *gale* and *storm* in the terminology);
  - Type of disturbance eg, a low or tropical cyclone, with a statement of the central pressure in hecto-Pascals (optional);
  - Location and extent of the affected area in terms of latitude and longitude or with reference to well-known landmarks or the name of the area;
  - Direction and speed of movement of tropical cyclones (on occasions also that of deep low-pressure systems);
  - Wind speed or force and direction in the affected areas;
  - Sea state in the affected areas.
3. Separate warnings for sea state are issued when wave heights are expected to exceed 5m.
4. An additional warning will be issued when there is a possibility of abnormal waves occurring in the Agulhas Current.

#### Synopsis

The second part of the weather bulletin for the Deep Sea contains a synopsis of the major features of the surface weather chart. The position of major systems is given in latitude and longitude, with a statement of central pressure in hecto-Pascals, when appropriate.

#### Weather Forecasts

5. The third part of the weather bulletin for the Deep Sea routinely contains weather forecasts for the forecast areas in METAREA VII, excluding the Coastal Waters between Kunene River Mouth through to Maputo and the Moçambique Channel, except that forecasts are issued on request only for, in the case of a Coast Radio Station transmission :
  - The area south of the equator to 15° S and between 0° E and the west coast of Africa;
  - The area south of 40° S and between 20° W and 80° E;
  - Madagascar East.
6. In the case of a satellite transmission :
  - The area south of 40° S and between 20° W and 50° E;
  - The area south of 50° S and between 50° E and 80° E.
7. This section of the bulletin contains the following information (including significant changes) for each forecast area :
  - Name of forecast area;
  - A description of wind speed or force and direction;
  - Significant weather;
  - Sea state (only if wave height is greater than 3 metres)

#### Tropical Cyclone Advisories (Indian Ocean)

1. These are transmitted directly by REUNION (and also included by PRETORIA in the METAREA VII forecasts when relevant). Warnings are broadcast at 0000, 0600, 1200 and 1800 UTC when a tropical cyclone is present in the SW Indian Ocean (out to 95°E).

2. Cyclone position, movement, weather, sea state and a forecast position and intensity changes are provided.

## COASTAL WATERS FORECASTS

Each weather forecast for the Coastal Waters currently consists of storm warnings and weather forecasts.

### Storm Warnings

1. Warnings are given for gales (Beaufort Force 8 or 9 - 35 to 47 knots) and storms (Beaufort Force 10 or greater - greater than 47 knots) and for tropical cyclones.
2. The following information is given :
  - a. Date and time of reference in UTC and validity period;
  - b. Type of warning - (in practice no distinction is usually made between *gale* and *storm* in the terminology);
  - c. Location and extent of the affected area in terms of latitude and longitude or with reference to well-known landmarks or the name of the area;
  - d. Direction and speed of movement of tropical cyclones (on occasions also that of deep low-pressure systems);
  - e. Wind speed or force and direction in the affected areas;
  - f. Sea state in the affected areas.

### Weather Forecasts

1. The second part of the weather bulletin for the Coastal Waters routinely contains forecasting information for the coastal waters round the coast of Africa up to 50 nautical miles from the coastline, between the Kunene River Mouth and Maputo, as well as for the Moçambique Channel (see diagram on page 40). Each forecast area contains the following information (including significant changes) :

Name of forecast area;

A description of wind speed or force and direction; Significant weather and sea state (only if total sea and swell is greater than 2.5 metres).

## SPECIAL FORECASTS

1. Requests by telephone for special maritime forecasts should be directed to the Shipping Forecaster, Weather Service, Pretoria, telephone (012) 367 6041, or by telefax to (012) 367 6042 or 367 6043.
2. Written requests for maritime information or special forecasts should be directed to the Manager: Maritime Services, Private Bag X097, Pretoria, 0001. A charge is levied for this service.

## RADIO FACSIMILE TRANSMISSIONS

Weather maps, prognosis weather charts and other meteorological information of interest to the mariner, are prepared by the Weather Service for radio-facsimile transmission by Cape Naval Radio (ZSJ). See page 39 for details.

## PORT METEOROLOGICAL SERVICES

### Barometer Testing

1. Meteorological observations from ships at sea, form the basis of a good maritime weather forecasting service. A very important reporting parameter, barometric pressure, must be reported with the greatest possible accuracy in order that the reading may be compared with those of other ships and for the purpose of assessing the form and progress of a storm. Accurate barometer readings are also essential for a proper appreciation of weather forecasts and synoptic charts, particularly in temperate latitudes.
2. Barometers therefore need to be checked regularly for accuracy and testing barometers are available for this purpose. Port Meteorological Officers stationed in Cape Town and Durban will carry out this task and will also provide advice on any other meteorological matter.

Port Meteorological Officer

Weather Office	Weather Office
CapeTownInternationalAirport	Durban International Airport
CAPE TOWN	DURBAN
Tel : 082 233 9900	Tel : 082 233 9500

### Met Packs

Met packs comprise of forms, produced by the Weather Service, which are associated with the rendering of weather data and details of services provided. Refer to *South African Annual Notices to Mariners* for the procurement of Met Packs.

3. It is requested that any vessel experiencing unexpected, severe weather/sea state please make every effort to report this to SAWS via Cape Town Radio, in plain text.

**WEATHER BROADCAST SCHEDULES FOR COAST RADIO STATIONS**

Station	ITU Channel Number	Frequencies (kHz)	Class of Emission	Broadcast Times (UTC)	Notes	Contents of Bulletin
1	2	3	4	5	6	7
Walvis Bay Radio		1764 4357	J3E	0935 1635		Forecast for the Namibian coastal waters and adjacent high seas, Trades area.
	Ch 26 Ch 27		G3E			
		1764 4357	J3E	1235	(1) (2)	Actual prevailing weather observations at Mowe Bay, Walvis Bay and Diaz Point.
	Ch 26 Ch 27		G3E		(1)	
Lüderitz Radio	Ch 23		G3E	0935 1235 1635	(1)	Forecast for the Namibian coastal waters and adjacent high seas, Trades area.
Cape Town Radio		4375 8740, 13146	J3E	1015, 1333, 1815	(2)	Forecast for the coastal waters and adjacent high seas or actual weather reports in plain language.
	Ch 04 Alexander Bay Ch 01 Port Nolloth Ch 25 Hondeklipbaai Ch 03 Doringbaai Ch 23 Elandsbaai Ch 27 Saldanha Ch 25 Milnerton Ch 26 Constantiaberg Ch 04 Hermanus Ch 85 Pearly Beach Ch 84 Struisbaai Ch 86 Albertinia		G3E	1015, 1333, 1815		
Cape Naval (NAVCOMCEN Cape)		4014 7508 13538 18238	J2B/170/ 1/75	0930 1700		Forecast for the coastal waters or the coastal waters synopsis forecasts for the high seas radioteleprinter transmission.
Port Elizabeth Radio		4375, 8740, 13146	J3E	1015, 1333, 1815		Forecast for the coastal waters or actual weather reports in plain language.
	Ch 23 Knysna Ch 24 Kareedouw Ch 25 Botha's Hill Ch 27 Botha's Hill Ch 83 Govenorskop Ch 26 East London Ch 28 Mazeppa Bay Ch 24 Port St Johns		G3E			
East London Radio	Ch 26		G3E	1015, 1333, 1815		Forecast for the coastal waters or actual weather reports in plain language.
Durban Radio		4375, 8740, 13146	J3E	1015, 1333, 1815	(2)	Forecast for the coastal waters and Moçambique Channel or actual weather reports in plain language.
	Ch 27 Port Edward Ch 26 Port Shepstone Ch 26 Durban Ch 28 Richards Bay Ch 25 Cape St Lucia Ch 03 Sodwana Ch 01 Kosi Bay		G3E			

- (1) All bulletins include gale warnings when applicable.  
 (2) Storm warnings are announced immediately upon receipt on 2182 kHz and Ch 16.  
 (3) Actual prevailing weather observations at Mowe Bay, Walvis Bay and Diaz Point.

NAVTEX WEATHER BULLETIN SERVICE				
Station	T.I.C	Times of Transmission (UTC)	Frequency (kHz)	Class of Emission
WALVIS BAY	<b>B</b>	1210, 1610	518	F1B (FEC)
CAPE TOWN	<b>C</b>	1220, 1620		
PORT ELIZABETH	<b>I</b>	0920, 1720		
DURBAN	<b>O</b>	1020, 1820		

**GMDS TRANSMISSION SCHEDULE FOR SAFETYNET (INMARSAT C) WEATHER BULLETINS**

MET AREA	COAST EARTH STATION	BROADCAST TIMES (UTC)
VII	Station 12 BURUM, Netherlands (primary)	0940; 1940; unscheduled
AOR-E, IOR	Goonhilly, UK (secondary)	0940; 1940; unscheduled

IOR = Indian Ocean Region  
 AOR-E = Atlantic Ocean Region East

## CAPE NAVAL RADIO (ZSJ)

### AFMET Facsimile Schedule

**Drum Speed : 120**

**IOC : 576**

Broadcast Frequencies in kHz	Hours Of Transmission UTC
4 014	16:00 - 06:00 (when TX available)
7 508	00:00 - 24:00
13 538	00:00 - 24:00
18 238	06:00 - 16:00 (when TX available)

Product Code	Service	Time Of Transmission UTC
	FACSIMILE PROGRAMME FOR ZSJ	04:30
ASZA	00:00 SURFACE ANALYSIS (SHIPPING)	05:00
FUZA	12:00 UPPER-AIR PROGNOSIS (previous day's run)	06:30
FSZA	12:00 SURFACE PROGNOSIS (previous day's run)	07:30
AIAA*	ANTARCTIC ICE LIMITS **	08:00
ASZA	06:00 SURFACE ANALYSIS (SHIPPING)	10:30
FSZA	00:00 SURFACE PROGNOSIS	11:00
ASZA	12:00 SURFACE ANALYSIS (SHIPPING)	15:30
ASZA	18:00 SURFACE ANALYSIS (SHIPPING)	22:30

\* = Only broadcast between October and March.

\*\* = Information updated every two weeks (from National Ice Center).

#### Product Code Geographic Area of Coverage

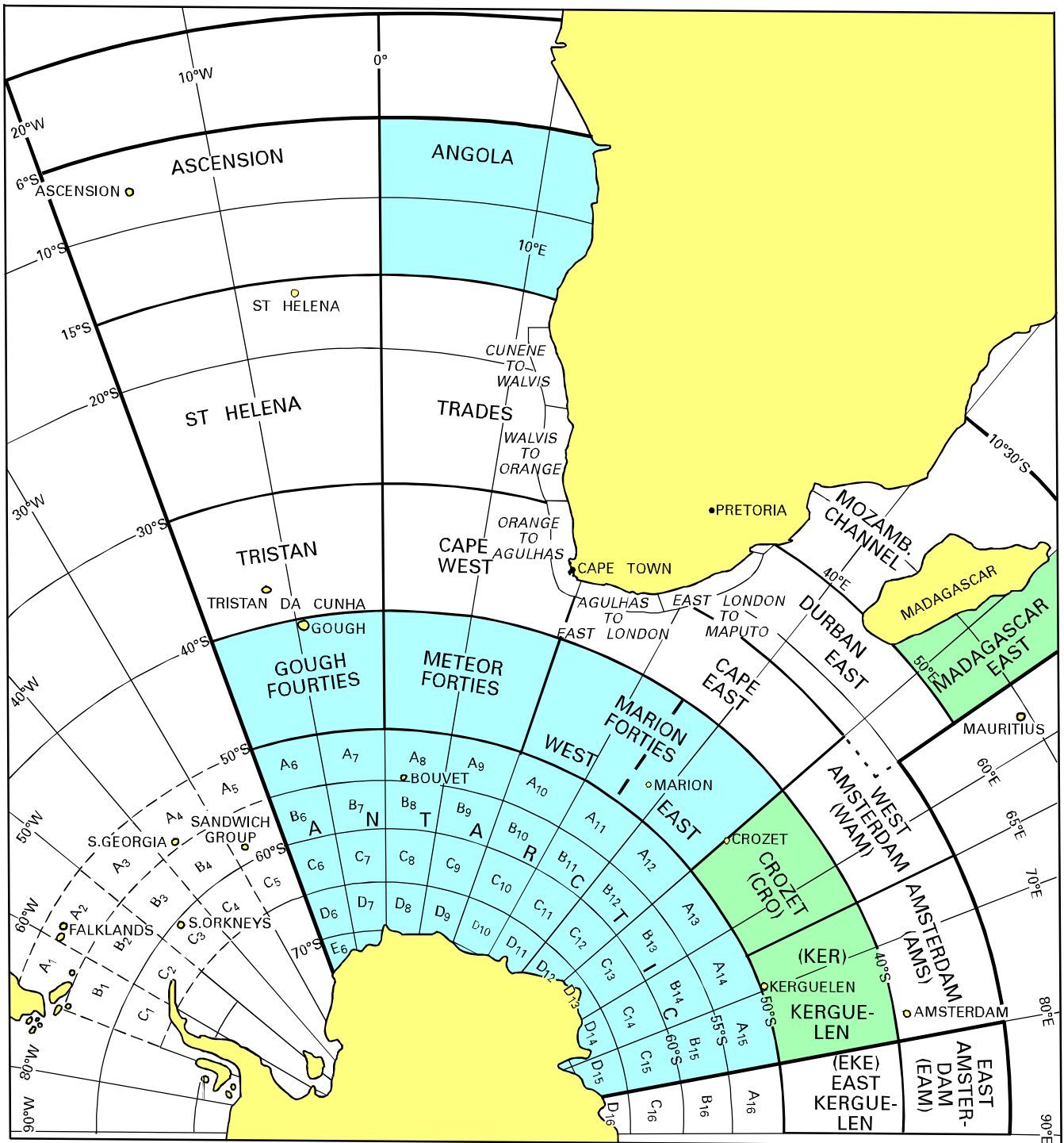
ASZA :	0° 20°W to 0° 70°E to 60°S 50°W to 60°S 90°E 1 : 20 000 000 (Shipping Chart)
ASZA/FUZA :	10°S 5°W to 10°S 30°E to 50°S 20°W to 45°S 50°E (forecast area for numerical model)
AIAA :	20°W to 30°E, Antarctic Coast to edge of Pack Ice

### RTTY Schedule

The radio weather facsimile broadcast is interrupted twice daily at 09:30 and 17:00 UTC to transmit RTTY (TELEX) forecast for the coastal waters and synopsis forecasts for the high seas.

SAWB product code :	FQZA30 FAPR - Coastal Waters FQZA31 FAPR - High Seas
Broadcast Frequencies :	As per AFMET Facsimile Schedule
Class of Emission :	J2B
Frequency Shift	170 Hz
Centre Audio Frequency :	1700 Hz
Data rate :	75 Baud

WEATHER FORECAST AREAS FOR SHIPPING - METAREA VII



Broadcast coverage areas for "on request" Weather Forecasts via Coastal Radio Stations



Broadcast coverage areas for "on request" Weather Forecasts via Satellite

— Limit of METAREA VII