



# **SOUTH AFRICAN NOTICE TO MARINERS FEBRUARY 2003 EDITION**

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

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## **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>
Urgent navigational information :	Fax :	021 787 2228
	Phone :	021 787 2445
Other navigational information :	Phone :	021 787 2444
	E-mail :	<a href="mailto:hydrosan@iafrica.co.za">hydrosan@iafrica.co.za</a>
General information :	Phone :	021 787 2408

**L.D. Reeder, Captain  
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>
Nil		

<b>SAN Publications</b>	<b>Notices</b>	<b>Pages</b>
South African List of Lights and Radio Signals SAN HO-1	34/03	2

<b>SAN Charts - New Charts / Editions</b>	<b>Notices</b>	<b>Pages</b>
Nil		

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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 IV.

## **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 24 February 2003**

**TEMPORARY NOTICES**

**2001 Series**

82(T)	Namibia	Walvis Bay	Unlit vessel at anchor.
95(T)	Namibia	Lüderitz	Tiger Reef Buoy missing.

**2002 Series**

71(T)	Namibia	Lüderitz seawards	Foul Area.
72(T)	RSA	Port Nolloth	No 1 Buoy unlit.
78(T)	Namibia	Baker's Bay	Foul Area.
89(T)	Namibia	Bogenfels	Anchor Obstructions, Foul Area.
97(T)	RSA	Simon's Bay	Wavescan Buoy laid.
99(T)	RSA	South Sand Bluff	Light unlit.
111(T)	RSA	Saldanha Bay	Oil Production Platform in position.

**PRELIMINARY NOTICES**

**Nil prior to these Notices.**

**2002 Series**

98(P)	RSA	Agulhas Bank	Proposed Sable Oil Field.
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## II

### SA NAVY SAN CHARTS OF SOUTH AFRICAN AND NAMIBIA THAT ARE REFERRED TO THE WGS84 SPHEROID

The following is the current list of SAN charts of South Africa and Namibia that are referred to the WGS84 spheroid.

76(INT 2640)	79(INT 2670)	87(INT 7570)	113
125	132	133	1001(INT 2611)
1003	1012(INT 2672)	1015	1017
1024(INT 7531)	1025(INT 7532)	1032(INT 7572)	1033(INT 7571)
2004	SC3	SC5	

### MISCELLANEOUS

1. Mariners are advised that South African Notices to Mariners is available in PDF format on the internet at

Website : <http://www.sanho.co.za>

2. Mariners attention is invited to the fact that the Hydrographic Office E-Mail address [hydrosan@iafrica.co.za](mailto:hydrosan@iafrica.co.za) is only manned during office hours, Mondays to Friday (Public Holidays excluded), between the hours of 0600 UTC and 1400 UTC. Only matters of a routine nature must be forwarded by this method. All urgent messages must be forwarded via Fax number 021 787 2228.

NIL

## IIA

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

Nil prior to these Notices.

#### 2002 Series

04MOZ(P)/02	Baía de Maputo	Underwater Cable Laying.
05MOZ(P)/02	Vilanculos	Underwater Cable Laying.
06MOZ(P)/02	Porto da Beira	Underwater Cable Laying.
19MOZ(T)/02	Porto de Quelimane	Buoy No 4A Unlit.
20MOZ(T)/02	Baía de Maputo	Buoy No 3S Off Station.
21MOZ(T)/02	Baía de Maputo	Buoy No 8 Unlit.



VI

**NAVAREA VII and Coastal Navigational Warnings Bulletin  
in force as at 24 February 2003**

See NM 3/2002. 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.**

**2003 Series**

011	Madagascar, Cap D'Ambre	Light unlit
021	Angola	Rig list.

**COASTAL NAVIGATIONAL WARNINGS**

**Nil Prior to these Messages**

**2002 Series**

496	Namibia	Bogenfels	Unlit Buoys.
505	RSA	Cape Agulhas	Rig list.
524	RSA	South Sand Bluff	Light unlit.
528	Namibia	Bogenfels	Unlit Buoys.
530	RSA	Simon's Bay	Wavescan Buoy laid.
531	RSA	Cape Agulhas	Sable Oil Field established.
533	Namibia	Walvis Bay Seaward	Wavescan Buoy laid.
559	RSA	Durban Approaches	Anchored buoy.
563	RSA	Cape Agulhas	Gunnery Exercises
564	RSA	False Bay	Flare Firing.
565	RSA	Durban	Gunnery Exercises
567	RSA/Namibia		Marine Mining Vessels.
568	RSA	Table Bay	Whale Rock Buoy missing.

**ANNEX A**

USA Government Special Warning in force 18 December 2001

**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)

HO-16 (July 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.co.za* 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.

**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

**WEATHER BROADCAST SCHEDULES FOR COAST RADIO STATIONS**

Station	ITU Channel Number	Frequencies (kHz)	Class of Emission	Broad cast 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 Möwe Bay, Walvis Bay and Diaz Point.
	Ch 26 Ch 27		G3E			
Lüderitz Radio	Ch 23		G3E	0935 1235 <sup>3</sup> 1635	(1)	Forecast for the Namibian coastal waters and adjacent high seas, Trades area.
Cape Town Radio		4435 8800, 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		4435, 8800, 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 Governorskop 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		4435, 8800, 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 Ch16.
- (3) Actual prevailing weather observations at Möwe 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		

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

MET AREA	COAST EARTH STATION	BROADCAST TIMES (UTC)
VII	Station 12 BURUM, Netherlands/	0940 1940
AOR-E and IOR	Goonhilly, UK.	
IOR = Indian Ocean Region	AOR-E = Atlantic Ocean Region East	

## COAST RADIO STATIONS

### COMMUNICATION PROCEDURES

1. The following voice procedures should be used when communicating with coast radio stations :

- a. For **Radio Telephonic** and **VHF** Communication  
**COAST RADIO STATION'S CALLSIGN** (repeated twice)  
 this is  
**VESSEL'S CALLSIGN** (repeated twice)  
**stand ing by on (EITHER Ch 16 or HF ITU Channel Number)**
- b. For **Distress** Communication

2. If your vessel is threatened by grave and imminent danger and requires immediate assistance, communicate with other vessels and the Coast Radio Stations by sending a distress call on either **2182kHz** or **VHF Ch 16** in the following manner :

#### **MAYDAY MAYDAY MAYDAY**

**this is** (spoken once)

**VESSEL NAME AND CALLSIGN** (repeated three times)

**MAYDAY** (spoken once)

**VESSEL NAME AND CALLSIGN** (spoken once)

**LATITUDE, LONGITUDE**

**GIVE REASON FOR THE DISTRESS CALL** i.e. fire on board, sinking etc.

**EXPLAIN WHAT ASSISTANCE YOU REQUIRE**

**GIVE ANY ADDITIONAL INFORMATION that may facilitate rescue**, such as vessel type, colour, length, number of people on board, weather conditions.

### LONG-RANGE SERVICES

#### Radio Telephony Service

The long-range service provided by SA Coast Radio Stations is available on a world-wide basis between any suitably equipped ship at sea and any telephone subscriber ashore.

**Distress Watchkeeping.** A 24-hour watch is kept on the international ITU channels as per table below.

Coast Radio Station	ITU Channels
Walvis Bay Radio	421
Cape Town Radio	421, 821, 1221, 1621, 2221
Port Elizabeth Radio	421, 821
Durban Radio	421, 821, 1221

#### Digital Selective Calling(DSC) on HF ( SOLAS Service)

Cape Town Radio - Sea Area A3	HF DSC frequency in kHz
MMSI 006010001	4207.5, 6312, 8414.5, 12577, 16804.5

**Calling.** Ships should ensure their equipment is correctly tuned to the appropriate transmitting- and receiving frequency before calling the station. The station will nominate a working channel, or turn number on a working channel.

**Traffic Lists.** Lists will be transmitted at the times and on the frequencies given in the following station listings.

#### Traffic from Ships

Ships are requested to use the calling procedures as detailed in the *Radio Operators Handbook* when communicating with SA Coast Radio stations.

### MEDIUM-RANGE SERVICES

#### Radio Telephony Service

**Distress Watchkeeping.** All SA coast Radio Stations maintain a 24-hour watch on 2182 kHz for distress, urgency and safety calls. During a distress on 2182 kHz ships can call on Ch 421 and be answered on Ch 421. For a graphic illustration of the distribution of 2 MHz Stations, see the diagram on page 49.

#### Use of SSB on MF RT frequencies

Use of H3E (SSB full carrier) is permitted on 2182 kHz only.

Constantiaberg	34°03'S	18°23'E	16	<b>24 and 26</b>
Hermanus	34°25'S	19°13'E	16	<b>04</b>
Pearly Beach	34°40'S	19°30'E	16	<b>85</b>
Struisbaai	34°50'S	20°00'E	16	<b>84</b>
Albertinia	34°12'S	21°42'E	16	<b>03 and 86</b>

Ch 16 :  
 TRAFFIC LISTS: 1015, 1333 and 1815.  
 WEATHER BULLETINS: 1015, 1333 and 1815.  
 NAVIGATIONAL WARNINGS: 1015 and 1815 (after weather bulletins).

**5. NAVTEX SERVICE**

Transmits	Emission Mode	Identifier	Times of Broadcast
518	F1B(FEC)	<b>C</b>	0020, 0420, 1220, 1620 and 2020. Coastal weather bulletins at 1220 and 1620 only.

**6. SAFETY NET / INMARSAT (AOR-E IOR)**

Times of Broad cast 0940 1940  
 High Seas Weather Bulletins at 0940 and 1940.  
 NAVAREA VII Messages at 1940 only.

**7. GlobeEMAIL**

ITU Ch	Globe Wireless	Ship
408	4214	4176
617	6322	6271
831	8431.5	8391.5
1244	12601	12498.5
1619	16816	16692.5
1824	19692.5	18882
not avail.	18306	18169.5
not avail.	22540	22277.5

**8. AUTOLINK**

**HF Service**

ITU Ch	Transmits	Receives
424	4426	4134
803	8725	8201

**VHF Service**

All the channels listed under 4. RADIO TELEPHONY ON VHF SERVICE with the following exceptions :

Locality	Position	ITU Working Ch
Milnerton	33°52'S 18°20'E	<b>25</b>
Constantiaberg	34°03'S 18°23'E	<b>24 and 28</b>

**9. SPECIAL SERVICES**

Station accepts Ships' Weather Reports addressed MET PRETORIA, AMVER and SAFREP messages.

**Cape Naval (NAVCOMCEN Cape) (ZSJ)**

**2425**

Telephone : +27 (0)21 78772459  
 Fax : +27 (0)21 7872228  
 Telex : +95 527946 SA  
 Email : ncomcape@mweb.co.za

33°41'S 18°43'E

NOTES : This Station

1. does not accept public correspondence;
2. accepts SAFREP messages over telex;
3. provides AFMET Weather Facsimiles;
4. provides weather bulletins for coastal and high seas.

**1. AFMET WEATHER FACSIMILE SERVICE**

Frequency	Hours of Transmission	Remarks
4014	1600 -0600	Refer to page 39 for details
7508	H24	
13538	H24	
18238	0600-1600	

Drum Speed :120 IOC : 576

**2.Digital Selective Calling(DSC) SOLAS Service**

<b>Cape Naval (NAVCONCEN Cape)</b>	4014 7508 13538 18238	0930 1700	Forecast for the costal waters or the coastal waters synopsis forecasts for the high seas Radioteleprinter transmission.
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