

DH21



DIRECTORATE OF HYDROGRAPHY AND NAVIGATION

NAVY HYDROGRAPHIC CENTER

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NOTICES 1 - 5

1ST FORTNIGHT
JANUARY

BRAZILIAN NOTICES TO MARINERS

Maritime Area and Inland Waters in General

FORTNIGHTLY BOOKLET PREPARED BY THE
NAVY HYDROGRAPHIC CENTER

NOT FOR SALE

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- I – General Information
- II – Radio Navigational Warnings
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Mariners and users in general are requested to notify the Directorate of Hydrography and Navigation on the discovery of any changes that may affect the safety of navigation or any observations in both digital and paper charts and publications.

The Maritime Observation Form attached at the end of this booklet should be used to submit the information. The following communications facilities are available:

Submission of the Form, other information, doubts and suggestions:

e-mail: avradio@marinha.mil.br
e-mail: chm.cartografia@marinha.mil.br
Internet: <https://www.marinha.mil.br/dhn/>
Telephones: +55 (21) 2189-3210 / 99678-1948

Mail: CHM - Divisão de Planejamento e Coordenação
Complexo Naval da Ponta da Armação
Rua Barão de Jaceguai, S/N
Ponta d'Areia
24048-900 – Niterói – RJ
Brasil

SECTION I – GENERAL INFORMATION

“Brazilian Notices to Mariners Maritime Area and Inland Waters in General” is a fortnightly publication elaborated by Centro de Hidrografia da Marinha (CHM), assigned by Diretoria de Hidrografia e Navegação (DHN). Its purpose is to provide mariners and users in general with information destined to update Brazilian nautical charts and publications that affect the maritime area and national inland waters (fluvial and lacustrine areas), complying with Rule 9 Chapter V of International Convention for the Safety of Life at Sea – SOLAS, 1974. Additionally some Radio Navigational Warnings in force are presented as well as other general information important to mariners, except the information that affects nautical charts and publications of the Paraguai, Paraná and Tietê rivers and their tributaries, which is treated in “Avisos aos Navegantes Paraguai-Paraná Hydroway” and “Avisos aos Navegantes Tietê-Paraná Hydroway”, both in Portuguese only.

1 - STRUCTURE

“Brazilian Notices to Mariners Maritime Area and Inland Waters in General” has the following sections:

Section I - General Information: describes the structure of “Brazilian Notices to Mariners”, presents information on classification, definition and numeration of Radio Navigational Warnings, Temporary, Preliminary and Permanent Notices, on publication of Notices to Mariners and Maritime Safety Information, as well as important recommendations and cautions to mariners.

Section II - Radio Navigational Warnings: presents some Radio Navigational Warnings that, in the date the Notices to Mariners is edited, are in force for more than 6 weeks. When included for the first time Radio Navigational Warnings are presented with their full text. Radio Navigational Warning in force already published in former Notices to Mariners are presented only with their numbers and associated to the last Brazilian Notices to Mariners they were fully published.

SAR (search and rescue) information and Radio Navigational Warnings related to maritime area interdiction, tows, derelicts, boat races, movement of vessels in maritime surveys or other brief activities are not in this Section. Such Radio Warnings are exclusively issued via radio/satellite and available in Internet (see item 5).

Radio Warnings that affect Paraguai, Paraná, Tietê and tributary rivers are not present in this Section, which are presented in Section II of “Avisos aos Navegantes (Paraguai-Paraná Hydroway)” and “Avisos aos Navegantes (Tietê-Paraná Hydroway)”.

Section III - Amendments to Nautical Charts: presents Temporary, Preliminary and Permanent Notices, with a view to update nautical charts of maritime area and national inland waters except charts of Paraguai, Paraná and Tietê-Paraná rivers, which are published in “Avisos aos Navegantes (Paraguai-Paraná Hydroway)” and “Avisos aos Navegantes (Tietê-Paraná Hydroway)”.

Temporary, Preliminary and Permanent Notices that came in force in the fortnight the Notices to Mariners refers to are presented with their full text. The numeration interval of these Notices is in the Notices to Mariners cover. When there is no new Notice in the fortnight the expression “Nenhum Aviso” (Nil) will be inserted in this field.

Temporary and Preliminary Notices in force already published in former Notices to Mariners are presented only with their numbers and the number of the last Notices to Mariners they were fully published.

All Temporary and Preliminary Notices in force are fully published in Notices to Mariners nº 1 and 13 every year.

Section IV - Special Permanent Notices: presents, with full text, the Special Permanent Notices that came into force in the fortnight the Notices to Mariners refers to.

Special Permanent Notices in force already published in former Notices to Mariners are presented only with their numbers and the number of the last Notices to Mariners they were fully published.

Every semester in Notices to Mariners nºs 1 and 13 all Special Permanent Notices in force are fully published.

Section V - Patches, Frames and Notes: provide the Patches, Frames and Notes to be inserted in nautical charts.

2 - DEFINITION, CLASSIFICATION AND IDENTIFICATION OF RADIO NAVIGATIONAL WARNINGS

Radio Navigational Warnings are messages transmitted to vessels to provide urgent information important to a safe navigation. Together with SAR and Meteorological Information they are “Maritime Safety Information”.

Due to the necessary urgency to reach the mariners, they have as main issue method the transmissions via radio and/or via satellite.

Some Radio Navigational Warnings are sometimes replaced by Temporary, Preliminary or Permanent Notices.

2.1 - Radio Navigational Warnings are classified:

a) According to the type of navigation they will interest to.

NAVAREA Radio Navigational Warnings - information concerning oceanic navigation inside NAVAREA V (maritime area under Brazilian responsibility), beyond the limits of the established coastal regions (see Figure 1).

Coastal Radio Navigational Warnings - information concerning coastal navigation inside NAVAREA V.

Local Radio Navigational Warnings - information concerning navigation in areas near the coast (to approximately 3 miles), or in inland navigable ways (bays, harbours and their fairways, rivers, lakes and lagoons) where the great vessels usually navigate with local pilots support.

b) In addition, Coastal and Local Radio Navigational Warnings are also classified according to the region where the informed event occurred (See schematic presentation in Figure 1):

(Coastal or Local) Radio Navigational Warnings of **Amazon Basin** - affects Amazonas and Pará rivers and tributaries, to the

maritime estuary region.

(Coastal or Local) Radio Navigational Warnings of **North Coast**.

(Coastal or Local) Radio Navigational Warnings of **East Coast**.

(Coastal or Local) Radio Navigational Warnings of **South Coast**.

(Local) Radio Navigational Warnings of **Paraguay river**.

(Local) Radio Navigational Warnings of **Tietê and Paraná rivers**.

(Local) Radio Navigational Warnings of **Inland Waters in General**, except Paraguay, Tietê and Paraná rivers.

c) Radio Navigational Warnings are identified by:

NAVAREA and Coastal Radio Navigational Warnings: indicative letter(s) of the occurrence region (only for Coastal Warnings), annual sequential numeration with 4 digits (from 0001 to 6999) and year when they came into force.

Local Radio Navigational Warnings: indicative letter(s) of the occurrence regions, followed by annual sequential numeration of 4 digits (from 7001) and the year they came into force. In relation to Locais Radio Navigational Warnings for Paraguay, Paraná and Tietê rivers and their tributaries the numeration starts from 0001.

The following indicative letters for the occurrence regions are adopted:

I - Amazon Basin	N - North Coast	E - East Coast	S - South Coast
HG - Inland Waters in General (rivers, lakes and lagoons in general)	HI - Paraguay river and tributaries	HT - Tietê and Paraná rivers and tributaries	

Examples: S 7021/07 Local Radio Navigational Warnings of South Coast, number 7021, of 2007
E 0027/08 Coastal Radio Navigational Warnings of East Coast, number 0027, of 2008
0123/08 NAVAREA Radio Navigational Warnings, number 0123, of 2008

3 - DEFINITION, CLASSIFICATION AND IDENTIFICATION OF THE TEMPORARY, PRELIMINARY AND PERMANENT NOTICES

Temporary, Preliminary and Permanent Warnings are information on corrections to nautical charts. They are published exclusively through "Notices to Mariners".

Temporary Notices - information on transitory corrections. The corrections in these warnings should be made by pencil.

Preliminary Notices - they advance information on corrections that will be object of Permanent Notices in the future. The corrections in these warnings should be made by pencil.

Permanent Notices - information on definitive corrections. The corrections of these warnings should be made by pen or inserting patches, according to the case. After the correction is made, the field "Small Corrections" (left down corner of the chart) should be filled out with the year and the number of the corresponding Permanent Notice.

a) Temporary, Preliminary and Permanent Notices are classified according to the region the correction refers to:

(Temporary, Preliminary or Permanent) Notices of Oceanic Areas - corrections referring to maritime areas beyond the national coastal areas.

(Temporary, Preliminary or Permanent) Notices of Amazon Basin.

(Temporary, Preliminary or Permanent) Notices of North Coast.

(Temporary, Preliminary or Permanent) Notices of East Coast.

(Temporary, Preliminary or Permanent) Notices of South Coast.

(Temporary, Preliminary or Permanent) Notices of Paraguay river.

(Temporary, Preliminary or Permanent) Notices of Tietê and Paraná rivers.

(Temporary, Preliminary or Permanent) Notices of inland waters in general, except of Paraguay, Tietê and Paraná rivers.

b) Temporary, Preliminary and Permanent Notices are identified by the indicative letter(s) of the occurrence region*, followed by annual sequential numeration (from 1), by the letters (T) or (P) (respectively, in the case of Temporary and Preliminary Notices) and by the year the Notice came into force.

* See schematic representation in Figure 1. Indicative letters are not used for Oceanic Areas.

The following indicative letters of the occurrence regions are adopted:

I - Amazon Basin	N - North Coast	E - East Coast	S - South Coast
HG - Inland Waters in General (rivers, lakes and lagoons in general)	HI - Paraguay river and tributaries	HT - Tietê and Paraná rivers and tributaries	

Example: I 78(T)/07 Temporary Notice of Amazon Basin, number 78, of 2007
15(T)/07 Temporary Notice of Oceanic Area, number 15, of 2007
N 94(P)/08 Preliminary Notice of North Coast, number 94, of 2008
47(P)/08 Preliminary Notice of Oceanic Area, number 47, of 2008
E 2/08 Permanent Notice of East Coast, number 2, of 2008
24/08 Permanent Notice of Oceanic Area, number 24, of 2008

4 - DEFINITION, CLASSIFICATION AND IDENTIFICATION OF SPECIAL PERMANENT NOTICES

They are destined to provide general permanent information, important to mariners.
They are published exclusively through "Notices to Mariners".
They are identified by the acronym "SPN" followed by annual sequential numeration and the year the notice came into force.

Example: SPN 3/08 Special Permanent Notice, number 3, of 2008

5 - ISSUE OF "NOTICES TO MARINERS"

The "Brazilian Notices to Mariners" are available free of charge on the internet at: "<https://www.marinha.mil.br/chm/dados-do-segnav/folhetos>".

The information on Paraguai-Paraná Hydroway is exclusively published through the monthly "Avisos aos Navegantes Hidrovia Paraguai-Paraná", which are available free of charge on the internet at: "<https://www.marinha.mil.br/chm/dados-do-segnav/hidrovia-paraguai>".

The information on Tietê-Paraná Hydroway is exclusively published through the trimestrial "Avisos aos Navegantes Hidrovia Tietê-Paraná", which are available for access free of charge at: "<https://www.marinha.mil.br/chm/dados-do-segnav/hidrovia-tiete-parana>".

6 - ISSUE OF RADIO NAVIGATIONAL WARNING AND SAR INFORMATION

The issue of Radio Navigational Warnings, SAR information and Meteorological Information is summarized in the frame presented in the Table 1. For further details, mariners should consult the "List of Radio Aids".

NAVAREA and Coastal Radio Navigational Warnings are transmitted daily via radio and via satellite (Inmarsat C) until they are published in "Notices to Mariners" or canceled, what happen first. If they are still in force after 6 weeks, they will be presented only in "Notices to Mariners", being no more issued via radio/satellite.

Local Radio Navigational Warnings are usually issued in only two consecutive transmissions via radio, even they are in force after this. However, some Local Warnings that deal with events that represent great risk to navigation, as new dangers and critical alterations in buoyage, are published daily until they are canceled. If they are still in force after 6 weeks, they will be presented only in "Notices to Mariners", being no more issued via radio.

The complete list of all the Radio Navigational Warning and SAR information in force can be accessed by Internet at: "<https://www.marinha.mil.br/chm/dados-do-segnav-aviso-radio-nautico-tela/radio-navigational-warnings-and-sar-warnings>". This list is updated about twice a day. To receive Radio Navigational Warnings through Inmarsat-C system, mariners should program their equipments for NAVAREA V and select the letter that designates the coastal region concerned.

Weekly, on Wednesdays, a Navarea Radio Navigational Warning is issued, listing all the Radio Warnings in force.

Mariners that need to receive any Radio Navigational Warning or SAR information in a time different of the usual schedules of transmission may request, for radiotelephony, in VHF, by Channel 16 (156,8 MHz), the transmissions to the stations of Rede Nacional de Estações Costeiras (RENEC) of Embratel, whose list consists in the Appendix V - 2 of "List of Radio Aid". The call frequencies consist of the frame presented in Table 1.

7 - RECOMMENDATIONS AND ADVICES

a) Due to the necessary urgency to be issued, Radio Navigational Warnings may be originated from incomplete, inaccurate or even not confirmed information. Mariners should take this in count when decide the trust degree they will attribute to the issued information.

b) Temporary Notices, when indicate the deadline in their texts, will be, a priori, automatically canceled, in the month subsequent to the specified deadline.

c) Nautical Publications

For navigation in waters under Brazilian jurisdiction, the exclusive use of the nautical publications edited by Brazilian Navy or ratified for it is recommended, which should be maintained updated and available for use on board.

To update the publications, mariners should systematically accompany the corrections and information available in Sections IV and VI of "Notices to Mariners". The following publications should be used in complement to the nautical charts:

List of Lights and List of Unlighted Signs (edited by DHN) - supply detailed information on the luminous signals (lights, beacons, major light-floats and light-buoys) and unlighted signals (unlighted buoys and beacons).

List of Radio Aids (edited by DHN) - supplies detailed information on the radio services to aid the existing maritime navigation in Brazil and other radio services useful to mariners South Atlantic area.

Sailing Directions (edited by DHN) - supply general information of interest for navigation, such as descriptions of the coast, information on how to reach of ports and anchorages, dangers, depths in bars and channels, meteorological information, resources of ports, stations of visual signs of every nature. It is emphatically recommended the reading of Chapter 1 (GENERAL INFORMATION) of the Sailing Directions.

Convention on the International Regulations for Preventing Collisions at Sea, 1972 (COLREG-72) (edited by DPC) - rules the lights, marks and (sound and luminous) signals to be shown by the boats, as well as the several government and navigation rules to be adopted by mariners.

Tide Tables (edited by DHN) - supply the tide forecasts for the main Brazilian ports.

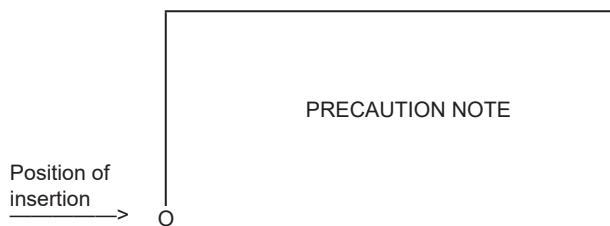
Chart 12000 (INT1) (edited by DHN) - describes the symbols, abbreviations and terms used in the Brazilian nautical charts.

d) Nautical charts

For navigation in waters under Brazilian jurisdiction, it is recommended the exclusive use of nautical charts and navigation croquis edited by DHN or ratified for it, which should be maintained updated and available for use on board.

To update the nautical charts, mariners should systematically accompany the corrections and information available in Sections III and VI of "Notices to Mariners" and half-yearly congregated in publication DH20 - "List of Nautical Charts and Publications and their Permanent Corrections".

The coordinates for inserting “Notes” and “Frames” refer to the lower left corner of the note or frame, according to the graphic example below.



Mariner should be attentive to existence of contiguous charts and/or charts with the same area with different “data”. Therefore, when change the chart, it is recommended that the mark in chart of the position to be transferred is made with reference (bearing/distance) to notable points on land. The information on chart “datum”, when available, is under the title of the charts.

e) Information Reference

Bearings referring to sector of visibility of lights, directions of leading line lights, conspicuous object and directions indicating dangers are true, from 000° to 360°, taken off-shore, clockwise. When, in descriptions of dangers, the positions are informed by a distance and a bearing, they will be given from the point established as reference.

The geographical positions are expressed in degrees, minutes and centesimal of minutes and refer, unless contrary instruction, to the larger scale chart.

The schedules refer, unless contrary instruction, to Greenwich Mean Time (GMT).

The depths are referred to reduction level of the chart.

The altitudes are given in metres and referred to sea mean level.

f) Submarine pipelines and cables

Anchorage and fishery are recommended to be avoided in areas where there is indication on chart of existence of submarine pipelines and cables.

g) Oil Drill Rigs

Mariners should be attentive to several existing oil platforms and drilling rigs in waters under Brazilian jurisdiction. The signaling norms for these structures is regulated by “Normas da Autoridade Marítima para Auxílios à Navegação” (NORMAM-17/DHN) and navigation less than 500m from them is prohibited.

Fixed platforms are positioned as presented in Brazilian nautical charts. Mobile platforms and drill rigs have their positions issued, periodically, by a Coastal Radio Navigational Warning. Mariners should take caution when navigating in area.

h) The buoys should not be used by mariners as reliable references to determine the position of their vessels.

i) Mariners should be attentive to existence of vessels involved in hydro-oceanographic and seismic survey works, signaled as established in COLREG-72. Besides such vessels have maneuver restrictions, sometimes they tow long apparatus.

8 - RECOMMENDATIONS TO PRINT BLOCKS

When printing blocks from the “Notices to Mariners” available on the internet, users should take the following cautions:

- ensure the “Fit to Page” option in the Adobe Acrobat print menu is switched off to avoid compression in images.
- use a good quality Inkjet/Laser printer with 300 dpi resolution or greater. Printed colour copies should be compared with the respective screen image to ensure that all the colours have reproduced suitably.
- use paper size A4, minimum specification thickness/weight 75 g/m².

9 - COLLABORATION OF MARINERS OR USERS

Diretoria de Hidrografia e Navegação (DHN) requests that mariners:

a) When they find any irregularity that can affect safety of navigation, they inform RENEK and afterwards send the “Folha de Informações de Irregularidades (Information Sheet on Irregularities)”, according to the existent model at the back of this booklet.

b) When they find any omission or inexactness in Brazilian nautical charts or publications edited by DHN, they send the “Folha de Correções a Cartas e Publicações Náuticas (Correction Sheet to Nautical Charts and Publications)”, according to the existent model at the back of this booklet.

c) The information referring to the operation and acts of vandalism to nautical signals evidenced in Bahia and Sergipe states, please communicate to the Serviço de Sinalização Náutica do Leste (SSN-2) through number 0800-284-2201.

d) The information referring to the operation and acts of vandalism to nautical signs evidenced in Pará and Amapá states, please communicate to the Capitania dos Portos da Amazônia Oriental (CPAOR) through number 0800-280-7200.

**Table 1 - ISSUE OF MARITIME SAFETY INFORMATION
(Radio Navigational Warnings, SAR and Meteorological Information) for NAVAREA/METAREA V**

A) TRANSMISSIONS VIA RADIO (HF BAND) - BRAZILIAN NAVY'S RADIO STATION IN RIO DE JANEIRO					
SERVICES	SCHEDULES (DAILY)	CHANNELS (1)	FREQUENCIES	CONTENTS	
RADIO NAVIGATIONAL WARNINGS AND SAR INFORMATION	0400 to 0500Z	RD	4.266,0 kHz (on demand of mariner) 6.448,0 kHz 8.580,0 kHz 12.709,0 kHz 16.974,0 kHz	- Area and Coastal Radio Warnings, except those already published in Notices to Mariners, and SAR Information (Portuguese/English) - Local Radio Warnings, except those already published in Notices to Mariners, and SAR information (Portuguese)	
	1430 to 1545Z	RD			
	2130 to 2245Z	RD			
METEOROLOGICAL BULLETINS	0230 to 0330Z	RD		12.665,0 kHz 16.978,0 kHz	- Meteorological forecasts (Portuguese/English) - Meteorological warnings (Portuguese/English)
	0600 to 0730Z	RD			
	1845 to 1930Z	RD			
METEOROLOGICAL CHARTS	0745 to 0925Z	RS	12.665,0 kHz 16.978,0 kHz		- Analysis of atmospheric pressure on surface - Height and direction of waves - Wind at 10m above surface - Sea surface temperature
	1630 to 1810Z				
B) TRANSMISSIONS VIA RADIO (VHF AND HF BANDS) – COASTAL STATIONS NET (RENEC) OF EMBRATEL					
SERVICES	SCHEDULES	CHANNELS (1)	FREQUENCIES	CONTENTS	
METEOROLOGICAL BULLETINS	On demand of mariner	RL	VHF: Call in 156,8 MHz (Channel 16) and traffic in a Channel to be designed by the station.	- Meteorological Forecast (Portuguese/English) - Meteorological warnings (Portuguese/English)	
METEOROLOGICAL WARNINGS, RADIO NAVIGATIONAL WARNINGS AND SAR INFORMATION	As necessary		HF: Call in 4.125,0 kHz and traffic in a frequency designed by the station	- Meteorological warnings (Portuguese/English) - Most relevant Area, Coastal and Local Radio Warnings - SAR information (English)	
C) TRANSMISSIONS VIA SATELLITE (INMARSAT-C) – LAND EARTH STATION BURUM - NETHERLANDS					
SERVICES	SCHEDULES (DAILY)	SATELLITE	CONTENTS		
RADIO NAVIGATIONAL WARNINGS AND SAR INFORMATION	0030Z and 1230Z or as necessary	East Atlantic (AOR-E)	- SAR Information (English) - Area and Coastal Warnings (English), except those already published in Notices to Mariners.		
METEOROLOGICAL BULLETINS	0730Z and 1930Z or as necessary		- Meteorological forecasts (English) - Meteorological warnings (English)		
D) INTERNET					
SERVICES	SITES AND LINKS			CONTENTS	
RADIO NAVIGATIONAL WARNINGS AND SAR INFORMATION	http://www.mar.mil.br/dhn/chm/box-aviso-navegantes/avgantes/avradioing.htm			Oceanic Area and Coastal Radio Warnings (English)	
NOTICES TO MARINERS (2)	www.mar.mil.br/dhn/chm/box-aviso-navegantes/avgantes/english/pdfing.htm (choose the link of NM of interest)			- In Section II: Area and Coastal Radio Warnings (English) in force for more than 6 weeks.	
METEOROLOGICAL BULLETINS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "meteoromarinha" – in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "bulletins" – in English)			- Meteorological forecasts (Portuguese/English) - Meteorological warnings (Portuguese/English)	
METEOROLOGICAL WARNINGS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "avisos de mau tempo" – in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "severe weather warnings" – in English)			- Meteorological warnings (Portuguese/English)	
METEOROLOGICAL CHARTS	www.mar.mil.br/dhn/chm/meteo/index.htm (choose the link "cartas sinóticas" – in Portuguese) (choose the link "previsão numérica"- in Portuguese) www.mar.mil.br/dhn/chm/meteo/indexing.htm (choose the link "synoptic charts" – in English) (choose the link "numerical predictions" – in English)			- Analysis of atmospheric pressure on surface and other products.	

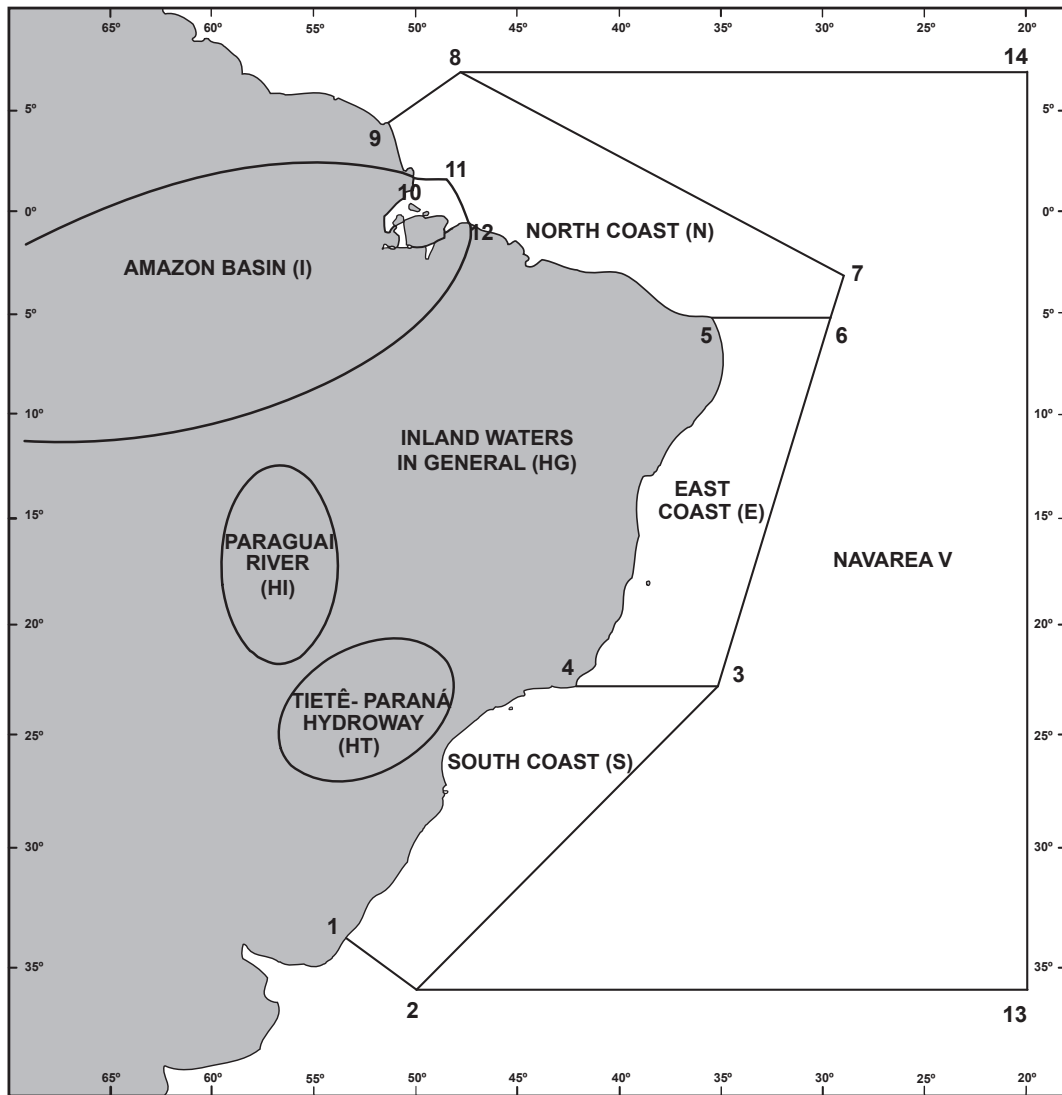
(1) RD: Radio Data (USB-A3J/J2D)

RS: Radio facsimile (F3C)

RL: Radiotelephone (F3E and J3E)

(2) SAR Radio Warnings and Radio Navigational Warnings related to gunnery area interdiction and other brief activities are not included in section II.

Figure 1 - Schematic representation of NAVAREA V, Coastal Regions and Inland Waters, for classification and identification of Radio Navigational Warnings and Notices to Mariners.



a) NAVAREA V: comprises the maritime area limited by the following points:

Points	LATITUDE	LONGITUDE
1	33° 45' S	053° 22' W
2	35° 50' S	050° 10' W
13	35° 50' S	020° 00' W
14	07° 00' N	020° 00' W
8	07° 00' N	049° 28' W
9	04° 30' N	051° 35' W

b) COASTAL REGIONS: comprise the maritime areas limited by the geographic coordinates mentioned below, as well as bays, inlets and ports covered by them:

SOUTH COAST (S)

Points	LATITUDE	LONGITUDE
1	33° 45' S	053° 22' W
2	35° 50' S	050° 10' W
3	23° 01' S	035° 00' W
4	23° 01' S	042° 00' W

EAST COAST (E)

Points	LATITUDE	LONGITUDE
3	23° 01' S	035° 00' W
4	23° 01' S	042° 00' W
5	05° 10' S	035° 29' W
6	05° 10' S	029° 33' W

NORTH COAST (N)

Points	LATITUDE	LONGITUDE
5	05° 10' S	035° 29' W
6	05° 10' S	029° 33' W
7	03° 00' S	028° 55' W
8	07° 00' N	049° 28' W
9	04° 30' N	051° 35' W
10	01° 40' N	049° 55' W
11	01° 40' N	048° 35' W
12	00° 37' S	047° 22' W

AMAZON BASIN (I)

Estuary Area¹ of Amazonas and Pará rivers, to the following points:

Points	LATITUDE	LONGITUDE
10	01° 40' N	049° 55' W
11	01° 40' N	048° 35' W
12	00° 37' S	047° 22' W

c) NAVAREA WARNINGS: are those in maritime area outside the limits of coastal regions.

d) OCEANIC AREA : comprises the maritime area outside the limits of coastal regions.

e) INLAND WATERS (rivers, lakes and lagoons):

- AMAZON BASIN (I): comprises Amazonas river, and its tributaries, upstream Santana Leste light, in the vicinity of the city of Santana (AP), as well as Pará river, and its tributaries, upstream the leading line Chapéu Virado light - Coroa Grande light, in the vicinity of Belém (PA);

- PARAGUAI RIVER (HI): comprises Paraguai river and its tributaries;

- TIETÊ-PARANÁ HYDROWAY (HT): comprises Tietê and Paraná rivers and their tributaries;

- INLAND WATERS IN GENERAL (HG): comprises the other navigable inland ways (rivers, lakes and lagoons). E.g. Lagoa dos Patos and Lago Paranoá..

² - In Amazonas river, downstream Santana Leste light;
 - In Pará river, downstream the leading line Chapéu Virado light - Coroa Grande light.

SECTION II – RADIO NAVIGATIONAL WARNINGS

The World Meteorological Organization is conducting a survey regarding the World-Wide Meteorological Information and Warning Service available at: WWW.JCOMM.INFO/MMMS. Your participation is GREATLY appreciated and VALUED.

Here below there are some of the Radio Warnings in force:

OCEANIC AREA

Area Radio Navigational Warnings in force, published in former Notices to Mariners:

Warning No.	NM No	Warning No.	NM No
0306	21/20	0344/20	23/20

Area Radio Navigational Warnings in force for more than 6 weeks, published for the first time:

Nil.

COASTAL RADIO NAVIGATIONAL WARNINGS

Area Radio Navigational Warnings in force, published in former Notices to Mariners:

Warning No.	NM No.	Warning No.	NM No.	Warning No.	NM No.
I 0550/20	17/20	I 0552/20	17/20	I 0755/20	22/20
I 0551/20	17/20	I 0754/20	22/20	I 0756/20	22/20

Coastal Radio Navigational Warnings in force more than 6 weeks, published for the first time:

Nil.

COASTAL RADIO NAVIGATIONAL WARNINGS

Coastal Radio Navigational Warnings in force, published in former Notices to Mariners:

Warning No.	NM No.
N 0592/20	20/20
N 0827/20	24/20

Warning No.	NM No.
N 0828/20	24/20
N 0829/20	24/20

Warning No.	NM No.
N 0844/20	24/20

Coastal Radio Navigational Warnings in force more than 6 weeks, published for the first time:

N 0867/20
 CABO CALCANHAR
 CHART 22100 (INT 2114)
 CALCANHAR RADIOBEACON NRORD RF 2230 05-09.66S 035-29.20W
 ERDGPS / NDB INOPERATIVE
 CANCEL COASTAL N 0842/20
 CANCEL THIS WARNING 261800 UTC MAY 21.

COASTAL RADIO NAVIGATIONAL WARNINGS

Coastal Radio Navigational Warnings in force, published in former Notices to Mariners:

Warning No.	NM No
E 0529/20	16/20

Warning No.	NM No
E 0559/20	17/20

Warning No.	NM No
E 0581/20	18/20

Warning No.	NM No
E 0825/20	24/20

Coastal Radio Navigational Warnings in force more than 6 weeks, published for the first time:

Nil.

COASTAL RADIO NAVIGATIONAL WARNINGS

Coastal Radio Navigational Warnings in force, published in former Notices to Mariners:

Warning No.	NM No.	Warning No.	NM No.
S 0728/20	21/20	S 0729/20	21/20

Coastal Radio Navigational Warnings in force more than 6 weeks, published for the first time:

Nil.

SECTION III - AMENDMENTS TO CHARTS

LIST OF CHARTS AFFECTED BY THE NOTICES 1 TO -- CONTAINED IN THIS EDITION

Chart No.	Notices
1607	S 5
1622	S 5
1643	S 3

Chart No.	Notices
1713	S 2(P)
1804	S 4(P)
1804 (Plan)	S 4(P)

Temporary (T) and Preliminary (P) Notices in force and Permanent Notices published for the first time.

OCEANIC AREA

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:

8(P)/18 **SOUTH ATLANTIC - ANTARCTICA**

Admiralty Bay - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms, 4th ed., 2014, p. 38 K (41)

Chart 25121 (INT 9125) Datum: WGS-84

Insert

 Obstr

62°11,86'S 058°18,07'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

Nil.

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:

*** I 44(P)/01 BRAZIL - ESTUARY**

Cabo Maguari vicinity- Banco Maguari - Existence of shoal

Chart 231

Position - 00° 07'.36 S 48° 15'.79 W

Existence of shoal of 3,0 metres in the position.
This Notice cancels Radio Warning N 7280/01.

*** I 83(T)/05 BRAZIL - RIO PARÁ**

Baía de Guajará - Near Carmo district - Existence of wreck and special beacons

Charts 320 - 304

Positions: a) 01° 27'.63 S 48° 30'.45 W b) 01° 27'.66 S 48° 30'.45 W

Existence of wreck with 3/4 visble in high tide signaled by two special beacons in positions a) and b).
This Notice cancels Radio Warning N 8130/01.

*** I 134(P)/09 BRAZIL - RIO PARÁ AND RIO SOLIMÕES**

Canal do Espadarte , Vai-Quem-Quer and Tomamicoá, and Ilha do Tafaçutuba - Existence of preliminary patches

ATLAS (4150) HS-C6

Positions: b) 02° 40'.00 S 65° 40'.00 W
c) 02° 30'.00 S 65° 50'.00 W

Existence of accompanying preliminary patches for positions b) and c).

*** I 101(P)/11 BRAZIL - AMAZON BAZIN**

Rio Solimões - Depths and depth contours

Source: Centro de Hidrografia da Marinha

Reference: Notices to Mariners - section I, pg. 6, item 7d, §3° - source diagrams

Chart Book 4150 - HS A9 Datum: WGS-84

Insert (do not use glue to P blocks)	the accompanying block, showing amendments to depths and depth contours, centered on:	03° 53'.40 S	061°46'.00 W
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Chart Book 4150 - HS A10 Datum: WGS-84

Insert (do not use glue to P blocks)	the accompanying block, showing amendments to depths and depth contours, centered on:	03° 53'.40 S	061°46'.00 W	(1 st part)
		03° 55'.60 S	061° 54'.40 W	(2 nd part)

Chart Book 4150 - HS A11 Datum: WGS-84

Insert (do not use glue to P blocks)	the accompanying block, showing amendments to depths and depth contours, centered on:	03° 53'.50 S	062° 01.90 W
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*** I 19(P)/12 BRAZIL - RIO SOLIMÕES**

De Manaus à Tabatinga - Depths and depth contours

Source: Serviço de Sinalização Náutica do Norte

References: Notices to Mariners no. 1/12 - section I, pg. 6, item 7d, §3º - diagrams

Chart Atlas 4150 Datum: WGS-84 (Last correction: 65/11)

Insert the accompanying blocks, showing amendments to depths and depth contours, centered on:
(do not use glue)

- Chart HS-A1 3°10,00'S 59°50,00'W (1st part)
3°13,00'S 59°56,00'W (2nd part)
- Chart HS-A2 3°19,00'S 60°05,50'W (1st part)
3°16,00'S 59°58,00'W (2nd part)
- Chart HS-A3 3°19,60'S 60°24,00'W (1st part)
3°18,30'S 60°14,00'W (2nd part)
- Chart HS-A4 3°20,00'S 60°40,00'W (1st part)
3°20,00'S 60°30,00'W (2nd part)
- Chart HS-A5 3°33,50'S 60°51,50'W (1st part)
3°26,00'S 60°45,00'W (2nd part)
- Chart HS-A6 3°37,00'S 61°01,40'W (1st part)
3°34,50'S 59°51,40'W (2nd part)
- Chart HS-A7 3°37,00'S 61°21,20'W (1st part)
3°37,00'S 61°11,00'W (2nd part)
- Chart HS-A8 3°37,00'S 61°22,60'W

*** I 38(P)/13 BRAZIL - RIO AMAZONAS**

Das Ilhas Pedreira à Ilha de Santana - Depths and depth contours

~~Chart 204~~ Datum: WGS-84

Insert ~~the accompanying blocks, showing amendments to depths and depth contours centered in:~~

- ~~0°02,20'S 51°01,20'W (1st part)~~
- ~~0°02,20'N 50°59,40'W (2nd part)~~
- ~~0°06,50'N 50°58,10'W (3rd part)~~

Chart 204 (Plan) Datum: WGS-84

Insert the accompanying block, showing amendments to depths and depth contours centered in:

0°01,90'N 51°02,60'W

*** I 80(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Submarine cables

Reference: Chart 12000 - Symbols, Abbreviations and Terms, pg. 44 L (30.1)

This Notice cancels Radio Warning I 7110/13

ATLAS 4150 (Chart HS-A4) Datum: WGS-84

Insert ~~~~~ joining the approximate positions:

- 3°17,90'S 60°37,80'W
- 3°18,90'S 60°38,20'W
- 3°19,00'S 60°38,20'W
- 3°20,50'S 60°38,00'W

ATLAS 4150 (Chart HS-A9) Datum: WGS-84 (Last correction: 84/12)

Insert ~~~~~ joining the approximate positions:

- 3°46,20'S 61°37,60'W
- 3°47,10'S 61°36,80'W

*** I 197(P)/13 BRAZIL - RIO AMAZONAS**

De Almeirim à Prainha - Depths, depth contours and diagram

Chart 4102B Datum: WGS-84 (Last correction: 116/10)

Insert the accompanying blocks, showing amendments to depths and depth contours centered in: 1°36,80'S 52°51,70'W (Part 1)
1°34,80'S 52°43,00'W (Part 2)

*** I 157(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A7) Datum: WGS-84

Insert the accompanying block, showing amendments to depths and depth contours, centered in: 03°38,00'S 61°23,50'W

*** I 158(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A8) Datum: WGS-84

Insert the accompanying block, showing amendments to depths and depth contours, centered in: 03°40,40'S 61°28,30'W

*** I 159(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A9) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in: 03°44,80'S 61°34,40'W (Part 1)
03°51,80'S 61°40,80'W (Part 2)

*** I 160(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A10) Datum: WGS-84

Insert the accompanying block, showing amendments to depths and depth contours, centered in: 03°52,80'S 61°44,60'W

*** I 161(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A11) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in: 03°51,20'S 62°04,40'W (Part 1)
03°46,60'S 62°14,00'W (Part 2)

Replace the existing plan by the accompanying one

*** I 166(P)/13 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

This Notice cancels Radio Warning I 7777/13

Chart 4102A Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

01°33,10'S 52°29,27'W (Part 1)
01°32,50'S 52°22,65'W (Part 2)
01°29,43'S 52°15,02'W (Part 3)
01°26,54'S 52°07,90'W (Part 4)

*** I 167(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A12) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

03°47,19'S 62°19,66'W (part 1)
03°50,04'S 62°30,00'W (part 2)

*** I 168(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A13) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

03°54,24'S 62°36,67'W (part 1)
03°52,72'S 62°46,50'W (part 2)

*** I 169(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A14) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

03°54,82'S 62°52,62'W (Part 1)
04°02,80'S 63°01,25'W (Part 2)

*** I 170(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-B1) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

03°55,30'S 63°17,73'W (Part 1)
04°01,40'S 63°08,92'W (Part 2)

Replace the existing plan by the accompanying one

*** I 171(P)/13 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-B2) Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:

03°55,27'S 63°21,80'W (part 1)
03°49,40'S 63°32,15'W (part 2)

*** I 1(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4103A Datum: WGS-84

Insert the accompanying block, showing amendments to depths and depth contours, centered in: 02°22,45'S 54°13,63'W

Chart 4103B Datum: WGS-84

Insert the accompanying blocks, showing amendments to depths and depth contours, centered in:
02°23,75'S 54°15,52'W (Part 1)
02°26,48'S 54°22,18'W (Part 2)
02°28,58'S 54°30,28'W (Part 3)

*** I 30(P)/14 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-B3) Datum: WGS-84

Insert the accompanying blocks.
03°50,00'S 63°38,00'W (part 1)
03°50,00'S 63°48,15'W (part 2)

*** I 31(P)/14 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-B4) Datum: WGS-84

Insert the accompanying blocks.
03°47,00'S 63°55,00'W (Part 1)
03°43,00'S 64°05,00'W (Part 2)

*** I 32(P)/14 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-B5) Datum: WGS-84

Insert the accompanying blocks.
03°38,00'S 64°14,00'W (Part 1)
03°32,00'S 64°23,00'W (Part 2)

*** I 63(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4101B Datum: WGS-84

Insert the accompanying blocks. 01°26,59'S 52°08,53'W

*** I 64(P)/14 BRASIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Republished: (originally published in Notices to Mariners n° 4/14).

Chart 203 Datum: Córrego Alegre

Insert the accompanying blocks.

0°39,17'N 50°28,25'W (part 1)
0°32,26'N 50°27,97'W (part 2)
0°26,10'N 50°29,16'W (part 3)
0°21,89'N 50°35,05'W (part 4)
0°19,99'N 50°29,99'W (part 5)
0°16,34'N 50°33,59'W (part 6)
0°16,94'N 50°40,11'W (part 7)

Chart 204 Datum: WGS-84

Insert the accompanying blocks.

0°17,80'N 50°33,91'W (part 1)
0°17,29'N 50°40,51'W (part 2)

Chart 21300 (INT 4196) Datum: WGS-84

Insert the accompanying block.

0°27,9'N 50°30,1'W

*** I 68(P)/14 BRAZIL - AMAZON BASIN**

Canal do Vieira - Depths

Chart 242 Datum: WGS-84

Depths less than 5.0 meters in positions:

00°20,20'S 50°55,60'W
00°20,45'S 50°55,60'W
00°20,70'S 50°55,60'W

Chart 243 Datum: Córrego Alegre

Depths less than 5.0 meters in positions:

00°20,20'S 50°55,57'W
00°20,45'S 50°55,57'W
00°20,70'S 50°55,57'W

*** I 168(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4361A Datum: Córrego Alegre

Insert the accompanying blocks.

01°26,02'S 52°06,17'W (part 1)
01°26,97'S 52°15,64'W (part 2)

*** I 223(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

This Notice cancels Radio Warning I 8993/14

Chart 4103B Datum: WGS-84

Insert the accompanying blocks.

02°10,18'S 55°07,00'W (part 1)
02°10,70'S 54°58,70'W (part 2)

Canal de Santana - Buoyage

Republished: see correction in highlight (originally published in Notices to Mariners nº 21/14).












Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 53 P (1), 65 Q (i) and 69 S (4)

This Notice cancels Radio Warning I 7221/13

Chart 204 Datum: WGS-84

Insert	 Lp.B.5s 3M (no. 3)	00°03,20'S 51°07,98'W
	 Lp. B. 10s 3M (no. 4)	00°04,11'S 51°09,77'W
	 Lp. B. 10s 5M (no. 5)	00°03,41'S 51°09,84'W
	 Lp. E. 10s 3M (no. 7)	00°03,74'S 51°09,84'W
	 Lp. E. 5s 3M (no. 9)	00°03,48'S 51°10,31'W
	 Lp. B. 5s 5M (no. 11)	00°03,42'S 51°12,16'W
	 Lp. (2)A 5s 2M	00°03,71'S 51°09,78'W
	 Lp. (2)A 10s 2M	00°04,10'S 51°09,72'W
	 FA	00°03,70'S 51°09,95'W
	 FA	00°03,71'S 51°10,05'W
	 FA	00°03,67'S 51°10,12'W
	 FA	00°03,46'S 51°10,85'W
	 FA	00°03,43'S 51°10,98'W

Chart 206 Datum: WGS-84

Insert	 Lp.B.5s 3M (no. 3)	00°03,20'S 51°07,98'W
	 Lp. B. 10s 3M (no. 4)	00°04,11'S 51°09,77'W
	 Lp. B. 10s 5M (no. 5)	00°03,41'S 51°09,84'W
	 Lp. E. 10s 3M (no. 7)	00°03,74'S 51°09,84'W
	 Lp. E. 5s 3M (no. 9)	00°03,48'S 51°10,31'W
	 Lp. B. 5s 5M (no. 11)	00°03,42'S 51°12,16'W
	 Lp. (2)A 5s 2M	00°03,71'S 51°09,78'W
	 Lp. (2)A 10s 2M	00°04,10'S 51°09,72'W
	 FA	00°03,70'S 51°09,95'W
	 FA	00°03,71'S 51°10,05'W
	 FA	00°03,67'S 51°10,12'W

 FA

00°03,46'S 51°10,85'W

 FA

00°03,43'S 51°10,98'W

*** I 232(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4101A Datum: WGS-84

Insert the accompanying blocks.

00°32,00'S 51°29,40'W (part 1)
00°40,00'S 51°36,75'W (part 2)

*** I 233(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4101B Datum: WGS-84

Insert the accompanying blocks.

00°44,28'S 51°39,37'W (part 1)
00°55,30'S 51°41,02'W (part 2)
01°06,62'S 51°42,60'W (part 3)
01°10,74'S 51°53,05'W (part 4)

*** I 242(P)/14 BRAZIL - RIO AMAZONAS**

Rio Amazonas - Depths, depth contours and diagrams

Chart 242 Datum: WGS-84

Insert the accompanying blocks.

00°01,54'N 50°57,91'W (part 1)
00°03,03'S 51°04,22'W (part 2)
00°08,07'S 51°12,23'W (part 3)
00°02,00'S 51°11,18'W (part 4)

*** I 21(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-D9) Datum: WGS-84

Insert the accompanying block.

04°02,95'S 69°31,12'W

ATLAS 4150 (Chart HS-D10) Datum: WGS-84

Insert the accompanying blocks.

04°06,73'S 69°30,19'W (part 1)
04°13,14'S 69°29,30'W (part 2)

ATLAS 4150 (Chart HS-D11) Datum: WGS-84

Insert the accompanying block.

04°15,25'S 69°30,23'W

*** I 86(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

This Notice cancels Preliminary I 117(P)/09

ATLAS 4150 (Chart HS-C8) Datum: WGS-84

Insert the accompanying blocks.

02°29,12'S 66°05,14'W (part 1)
02°29,53'S 66°10,39'W (part 2)
02°34,04'S 66°17,59'W (part 3)

*** I 87(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C9) Datum: WGS-84

Insert the accompanying blocks.

02°31,04'S 66°24,15'W (part 1)
02°24,38'S 66°28,15'W (part 2)
02°27,39'S 66°36,49'W (part 3)

*** I 88(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C10) Datum: WGS-84

Insert the accompanying blocks.

02°37,56'S 66°36,38'W (part 1)
02°43,17'S 66°46,09'W (part 2)

ATLAS 4150 (Chart HS-C10) (plan) Datum: WGS-84

Insert the accompanying block.

02°44,00'S 66°45,60'W

*** I 89(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C11) Datum: WGS-84

Insert the accompanying block.

02°40,15'S 66°52,12'W

*** I 112(P)/15 BRAZIL - AMAZON BASIN**

Rio Solimões - Ilha Manacuapanim - Dephts

ATLAS 4150 (Chart HS-C5) Datum: WGS-84

Shoal emerging in area bound by:

02°35,45'S 65°21,55'W
02°34,70'S 65°21,50'W
02°34,07'S 65°22,10'W
02°34,70'S 65°21,82'W

Shoal near km 780 moving to positions:

02°33,00'S 65°23,00'W
02°32,30'S 65°22,93'W
02°31,30'S 65°23,15'W
02°30,75'S 65°23,70'W

Redo the contour line of Ilha Manacuapanim joining the positions:

02°35,00'S 65°21,30'W
02°34,00'S 65°21,70'W
02°33,60'S 65°22,20'W
02°31,35'S 65°22,50'W
02°30,50'S 65°23,00'W
02°29,90'S 65°23,30'W
02°33,10'S 65°23,00'W

*** I 170(P)/15 BRAZIL - RIO TROMBETAS**

Rio Trombetas - Depths, depth contours and diagrams

Chart 4418 Datum: WGS-84

Insert the accompanying block.

01°25,91'S 56°25,40'W

*** I 172(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A1) Datum: WGS-84

Insert the accompanying block.

03°14,78'S 59°59,72'W

*** I 173(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A2) Datum: WGS-84

Insert the accompanying blocks.

03°15,60'S 60°00,36'W (part 1)
03°18,85'S 60°09,56'W (part 2)

*** I 174(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A3) Datum: WGS-84

Insert the accompanying blocks.

03°16,23'S 60°16,54'W (part 1)
03°18,27'S 60°25,03'W (part 2)

*** I 175(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A4) Datum: WGS-84

Insert the accompanying blocks.

03°19,38'S 60°32,28'W (part 1)
03°20,17'S 60°40,44'W (part 2)

*** I 176(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A5) Datum: WGS-84

Insert the accompanying blocks.

03°25,86'S 60°43,73'W (part 1)
03°33,38'S 60°51,70'W (part 2)

*** I 177(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A6) Datum: WGS-84

Insert the accompanying block.

03°34,57'S 60°53,25'W

*** I 178(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-A7) Datum: WGS-84

Insert the accompanying block.

03°35,15'S 61°12,88'W

*** I 204(P)/15 BRAZIL - RIO SOLIMÕES**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C11) Datum: WGS-84

Insert the accompanying blocks.

02°43,40'S 66°54,83'W (part 1)
02°38,60'S 67°02,21'W (part 2)

ATLAS 4150 (Chart HS-C12) Datum: WGS-84

Insert the accompanying blocks.

02°41,53'S 67°10,75'W (part 1)
02°33,30'S 67°17,36'W (part 2)
02°35,50'S 67°23,21'W (part 3)

ATLAS 4150 (Chart HS-C13) Datum: WGS-84

Insert the accompanying blocks.

02°41,43'S 67°26,68'W (part 1)
02°45,53'S 67°34,13'W (part 2)

ATLAS 4150 (Chart HS-C14) Datum: WGS-84

Insert the accompanying blocks.

02°47,10'S 67°39,74'W (part 1)
02°53,72'S 67°46,00'W (part 2)

ATLAS 4150 (Chart HS-C15) Datum: WGS-84

Insert the accompanying blocks.

02°54,92'S 67°47,30'W (part 1)
03°01,73'S 67°52,84'W (part 2)

ATLAS 4150 (Chart HS-D1) Datum: WGS-84

Insert the accompanying block.

03°04,32'S 67°54,34'W

*** I 6 (P)/16 BRAZIL - AMAZON BASIN**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4102 B Datum: WGS-84

Insert the accompanying block.

01°50,02'S 53°28,79'W

*** I 7 (P)/16 BRAZIL - AMAZON BASIN**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4103A Datum: WGS-84

Insert the accompanying blocks.

01°50,97'S 53°31,28'W (part 1)
01°54,35'S 53°44,66'W (part 2)
02°03,11'S 53°59,06'W (part 3)

*** I 14(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

This Notice cancels Preliminary I 33(P)/14

ATLAS 4150 (Chart HS-B6) Datum: WGS-84

Insert the accompanying blocks.

03°19,45'S 64°35,27'W (part 1)
03°26,03'S 64°27,36'W (part 2)

*** I 15(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

This Notice cancels Preliminary I 34(P)/14

ATLAS 4150 (Chart HS-C1) Datum: WGS-84

Insert the accompanying blocks.

03°19,72'S 64°40,20'W (part 1)
03°13,35'S 64°42,58'W (part 2)

ATLAS 4150 (Chart HS-C1) PLANO Datum: WGS-84

Insert the accompanying block.

03°20,80'S 64°39,50'W

*** I 16(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C2) Datum: WGS-84

Insert the accompanying blocks.

03°09,90'S 64°48,77'W (part 1)
03°03,99'S 64°58,85'W (part 2)

*** I 17(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C3) Datum: WGS-84

Insert the accompanying blocks.

03°01,28'S 65°01,60'W (part 1)
02°55,48'S 65°09,32'W (part 2)

*** I 21(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C4) Datum: WGS-84

Insert the accompanying blocks.

02°47,00'S 65°11,00'W (part 1)
02°44,00'S 65°21,00'W (part 2)

*** I 22(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C5) Datum: WGS-84

Insert the accompanying blocks.

02°33,85'S 65°22,12'W (part 1)
02°35,32'S 65°28,68'W (part 2)

*** I 23(P)/16 BRAZIL - AMAZON BASIN**

Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C6) Datum: WGS-84

Insert the accompanying blocks.

02°39,00'S 65°36,00'W (part 1)
02°36,00'S 65°47,00'W (part 2)

*** I 24(P)/16 BRAZIL - AMAZON BASIN**
Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C7) Datum: WGS-84

Insert the accompanying blocks.

02°32,62'S 65°48,44'W (part 1)
02°27,97'S 65°59,12'W (part 2)

*** I 25(P)/16 BRAZIL - AMAZON BASIN**
Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C8) Datum: WGS-84

Insert the accompanying block.

02°28,86'S 66°04,80'W

*** I 26(P)/16 BRAZIL - AMAZON BASIN**
Rio Solimões - Depths, depth contours and diagrams

ATLAS 4150 (Chart HS-C8 plan) Datum: WGS-84

Insert the accompanying block.

02°26,20'S 66°19,00'W

*** I 28(P)/16 BRAZIL - AMAZON BASIN**
Baía de Marajó - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 304 Datum: WGS-84

Insert



01°13,34'S 48°43,94'W

*** I 29(P)/16 BRAZIL - AMAZON BASIN**
East of Ponta Surucuá - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 4381 A Datum: Corrêgo Alegre

Insert



02°54,00'S 55°09,00'W

Chart 4381 A (Plan) Datum: Corrêgo Alegre

Insert



02°54,00'S 55°09,00'W

Chart 4381 B Datum: Corrêgo Alegre

Insert



02°54,00'S 55°09,00'W

*** I 62(P)/16 BRAZIL - AMAZON BASIN**

Rio Tapajós - Depths, depth contours and diagrams

ATLAS 4382 B Datum: Córrego Alegre

Insert the accompanying blocks.

- 03°59,92'S 55°36,56'W (part 1)
- 04°03,30'S 55°37,67'W (part 2)
- 04°06,07'S 55°40,83'W (part 3)
- ~~04°08,12'S 55°45,76'W (part 4) (Canceled by: I 88(P)/17)~~
- ~~04°10,17'S 55°50,09'W (part 5) (Canceled by: I 88(P)/17)~~
- ~~04°13,41'S 55°54,35'W (part 6) (Canceled by: I 88(P)/17)~~
- ~~04°16,55'S 55°57,12'W (part 7) (Canceled by: I 88(P)/17)~~

ATLAS 4382 B (plan) Datum: Córrego Alegre

Insert the accompanying block.

04°16,92'S 55°58,80'W

*** I 102(T)/16 BRAZIL - AMAZON BASIN**

Cabo Maguari Vicinity - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 231 Datum: EAO MACAPA

Insert  00°13,67'S 48°11,21'W

Chart 303 Datum: WGS-84

Insert  00°13,67'S 48°11,14'W

Chart 21400 (INT 4197) Datum: WGS-84

Insert  00°13,7'S 48°11,1'W

*** I 124(P)/16 BRAZIL - AMAZON BASIN**

Baía de Macapá - Depths, depth contours and diagrams

This Notice cancels Preliminaries I 40(P)/13, I 242(P)/14 (parts 1 and 2)

Chart 242 Datum: WGS-84

Insert the accompanying blocks. 00°00,94'N 50°57,98'W (part 1)
00°00,01'N 51°02,89'W (part 2)
00°07,84'S 51°03,22'W (part 3)

*** I 162(P)/16 BRAZIL - AMAZON BASIN**

Ilha Carnapijó vicinity - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 304 Datum: WSG-84

Insert  01°27,90'S 48°42,09'W

*** I 1(P)/17 BRAZIL - AMAZON BASIN**

Rio Amazonas - Depths, depth contours and diagrams

Chart 4103 B Datum: WGS-84

Insert the accompanying block.

02°24,28'S 54°42,75'W

Chart 4103 B (Plan) Datum: WGS-84

Insert the accompanying blocks.

02°24,86'S 54°43,17'W (part 1)
02°24,86'S 54°46,22'W (part 2)

*** I 2(P)/17 BRAZIL - AMAZON BASIN**

Rio Tapajós - Depths, depth contours and diagrams

Chart 4381 A Datum: Córrego Alegre

Insert the accompanying block.

02°23,86'S 54°43,86'W

*** I 43(P)/17 BRAZIL - AMAZON BASIN**

Porto de Belém - Depths

Chart 320 Datum: WGS-84

minor depths found within the dredged canal area *6.8m* in position:

01°24,100'S 48°29,720'W - *6 m*

Delete 7

01°23,970'S 48°29,710'W

Insert 6₃

01°23,970'S 48°29,710'W

* I 51(P)/17 **BRAZIL - AMAZON BASIN**

Barra Sul do Rio Amazonas vicinity - Depths

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 31 I (10) and 33 I (30)

Chart 231 Datum: EAO Macapá

Insert $\textcircled{3}$ 00°11,10'S 48°22,80'W

$\textcircled{4_5}$ 00°10,60'S 48°35,50'W

Chart 303 Datum: WGS-84

Insert $\textcircled{3}$ 00°11,10'S 48°22,80'W

$\textcircled{4_5}$ 00°10,60'S 48°35,50'W

Chart 21300 (INT 4196) Datum: WGS-84

Insert $\textcircled{3}$ 00°11,1'S 48°22,8'W

$\textcircled{4_5}$ 00°10,6'S 48°35,5'W

Chart 21400 (INT 4197) Datum: WGS-84

Insert $\textcircled{3}$ 00°11,1'S 48°22,8'W

* I 60(P)/17 **BRAZIL - AMAZON BASIN**

Rio Tapajós - Depths

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 31 I (10) and 33 I (30)

Chart 4382B Datum: Córrego Alegre

Insert $\textcircled{4_3}$ 04°00,05'S 55°36,62'W

$\textcircled{4_4}$ 04°08,31'S 55°45,17'W

$\textcircled{4_4}$ 04°08,55'S 55°45,19'W

$\textcircled{2_9}$ 04°10,55'S 55°47,82'W

$\textcircled{4_7}$ 04°13,02'S 55°52,14'W

$\textcircled{3_7}$ 04°14,03'S 55°53,50'W

$\textcircled{3_2}$ 04°14,48'S 55°55,16'W

Replace 3_7 with 1_3 04°13,59'S 55°52,81'W

4_9 with 3_1 04°13,61'S 55°53,04'W

*** I 73(P)/17 BRAZIL - AMAZON BASIN**

Rio Amazonas - Depths

Chart 4102A Datum: WGS-84

Insert	(4 ₅)	01°35,40'S 52°33,80'W
	(5)	01°35,40'S 52°34,90'W

Chart 4102B Datum: WGS-84

Insert	(4 ₅)	01°35,40'S 52°33,80'W
	(5)	01°35,40'S 52°34,90'W

*** I 88(P)/17 BRAZIL - AMAZON BASIN**

Rio Tapajós - Depths, depth contours and diagrams

This Notice replaces the parts 4, 5, 6 and 7 of Preliminary Notice I 62(P)/16

Chart 4382B Datum: Córrego Alegre

Insert	the accompanying blocks.	04°16,60'S 55°57,00'W (part 1) 04°13,20'S 55°54,60'W (part 2) 04°10,00'S 55°50,00'W (part 3) 04°07,80'S 55°45,70'W (part 4)
Replace	the existing plan by the accompanying one.	

*** I 93(P)/17 BRAZIL - AMAZON BASIN**

Rio Amazonas - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pp. 31 I (10) and 33 I (30)

Chart 4101A Datum: WGS-84

Insert	(4 ₇)	00°10,99'S 51°16,70'W
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Chart 4101A (Plan) Datum: WGS-84

Insert	(4 ₇)	00°10,99'S 51°16,70'W
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*** I 108(P)/17 BRAZIL - AMAZON BASIN**

Baía de Macapá - Depths, depth contours and diagrams

This Notice cancels the part 4 of Preliminary Notice I 242(P)/14, the parts 1 and 2 of Preliminary Notice I 122(P)/16, the parts 1, 2 and 3 of Preliminary Notice I 123(P)/16 and the parts 1 and 2 of Preliminary Notice I 124(P)/16.

The parts 2, 3 and 4, of the preliminary blocks for the Chart 204, and the parts 1 and 2, of the preliminary blocks for the Chart 242, contain permanent anchorage areas.

Chart 204 Datum: WGS-84

Insert the accompanying blocks.

00°02,60'S 51°01,50'W (part 1)
00°05,60'N 51°01,50'W (part 2)
00°02,50'N 50°55,00'W (part 3)
00°07,90'N 50°54,40'W (part 4)

Chart 242 Datum: WGS-84

Insert the accompanying blocks.

00°04,00'N 50°58,00'W (part 1)
00°04,00'N 51°02,00'W (part 2)

Chart 4101 A Datum: WGS-84

Insert the accompanying blocks.

00°00,60'S 51°00,90'W (part 1)
00°06,50'S 51°05,00'W (part 2)

*** I 120(P)/17 BRAZIL - AMAZON BASIN**

Baía de Macapá - Depths, depth contours and diagrams

Republished: update of block (originally published in Notices to Mariners nº 17/17).

Chart 242 Datum: WGS-84

Insert the accompanying block.

00°07,50'S 51°12,80'W

*** I 121(P)/17 BRAZIL - AMAZON BASIN**

Baía de Macapá - Depths, depth contours and diagrams

This Notice cancels the Preliminaries Notice I 001(P)/15, I 93(P)/15, and the part 3 of Preliminary Notice I 242(P)/14.

Chart 4101 A Datum: WGS-84

Insert the accompanying blocks.

00°13,50'S 51°17,70'W (part 1)
00°07,20'S 51°12,60'W (part 2)

Chart 4101 A (plan) Datum: WGS-84

Insert the accompanying blocks.


00°13,70'S 51°17,60'W (part 1)
00°09,90'S 51°15,00'W (part 2)

*** I 143(P)/17 BRAZIL - AMAZON BASIN**

Rio Pará - Buoyage


Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1)

Chart 302 Datum: WGS-84

Delete  *Lp.E.3s (no.3)* 00°27,30'S 47°57,91'W

Insert  *Lp.E.3s (no.3)* 00°29,69'S 48°00,71'W

Chart 303 Datum: WGS-84

Insert  *Lp.E.3s (no.3)* : 00°29,69'S 48°00,71'W

*** I 150(P)/17 BRAZIL - AMAZON BASIN**

Ilha Periquitos Vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 37 K (24)

Chart 242 Datum: WGS-84

Insert  00°07,167'S 51°14,770'W

Chart 4101A Datum: WGS-84

Insert  00°07,167'S 51°14,770'W

*** I 160(P)/17 BRAZIL - AMAZON BASIN**

Canal de Santana - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 204 Datum: WGS-84

Insert  00°03,70'S 51°09,65'W

Chart 206 Datum: WGS-84

Insert  00°03,70'S 51°09,65'W

Chart 242 Datum: WGS-84

Insert  00°03,70'S 51°09,65'W

Chart 4101A Datum: WGS-84

Insert  00°03,70'S 51°09,65'W

*** I 161(P)/17 BRAZIL - AMAZON BASIN**

Rio Pará - ~~Wreck~~

Republished: see correction in highlight (originally published in Notices to Mariners nº 22/17).

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 304 Datum: WGS-84

Insert



01°24,69'S 48°41,95'W

I 2(P)/18 BRAZIL - AMAZON BASIN

Rio Trombetas - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pp. 53 P (1) and 69 S (4)

Republished: see correction in highlight (originally published in Notices to Mariners nº 1/18).

Chart 4411 Datum: WGS-84 (~~Last correction: Nil~~)

Replace



Q(3) R. 10s 5M
(nº 1)

From:

01°52,52'S 55°38,17'W

To:

01°52,53'S 55°38,14'W

Chart 4413 Datum: WGS-84 (~~Last correction: 73/15~~)

Replace



R(3) V.10s 5M
(nº 6)

From:

01°48,43'S 55°50,74'W

To:

01°48,45'S 55°50,72'W

I 9(P)/18 BRAZIL - AMAZON BASIN

De Mosqueiro a Vila do Conde - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 61 Q (5, 7, 9 e 23)

Chart 304 Datum: WGS-84

Delete



Fl(2)W.5s11m9M

01°27,87'S 048°42,51'W

Insert



Q(9)W15s5M

01°27,89'S 048°42,60'W

I 14(P)/18 BRAZIL - AMAZON BASIN

Ilha dos Caetés Vicinity - Danger Line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 36 K (1)

Chart 4102A Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart

Insert

.....

01°30,98'S 52°31,29'W

01°31,88'S 52°32,09'W

01°32,63'S 52°33,42'W

01°31,85'S 52°33,84'W

01°30,82'S 52°31,78'W

I 25(P)/18 BRAZIL - AMAZON BAZIN

Rio Pará - Depths, depth contours and diagrams

Chart 304 Datum: WGS-84

Insert the accompanying blocks.

01°10,00'S 48°30,00'W (part 1)
 01°15,00'S 48°30,00'W (part 2)
 01°20,00'S 48°30,00'W (part 3)

I 42(P)/18 BRAZIL - AMAZON BASIN

Da Ponta do Capinal às Ilhas Pedreira - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 36 K (1)

Chart 203 Datum: Córrego Alegre - MG

Delete	13 ₈	00°21,01'N 50°37,50'W
Delete	12 ₁	00°20,51'N 50°37,80'W
Delete	19	00°20,51'N 50°37,15'W
Delete	11 ₆	00°20,04'N 50°38,17'W
Delete	17 ₂	00°19,93'N 50°37,38'W
Delete	16 ₁	00°19,56'N 50°37,85'W
Delete	16 ₉	00°19,38'N 50°37,31'W
Delete	14 ₇	00°18,81'N 50°38,17'W
Delete	16	00°18,68'N 50°37,35'W
Insert	..... joining the approximate positions	00°20,16'N 50°38,11'W 00°21,04'N 50°37,58'W 00°21,08'N 50°37,45'W 00°21,00'N 50°37,17'W 00°20,88'N 50°37,04'W 00°20,80'N 50°37,03'W 00°18,91'N 50°37,19'W 00°18,50'N 50°37,70'W 00°18,61'N 50°38,24'W 00°19,03'N 50°38,39'W 00°19,97'N 50°38,23'W
Insert	4 ₁	00°19,90'N 50°37,42'W

Chart 204 Datum: WGS-84

Delete	13 ₈	00°21,01'N 50°37,53'W
Delete	12 ₁	00°20,51'N 50°37,83'W
Delete	19	00°20,51'N 50°37,19'W
Delete	11 ₆	00°20,04'N 50°38,19'W
Delete	17 ₂	00°19,93'N 50°37,41'W
Delete	16 ₁	00°19,56'N 50°37,88'W
Delete	16 ₉	00°19,38'N 50°37,33'W
Delete	14 ₇	00°18,81'N 50°38,20'W
Delete	16	00°18,68'N 50°37,38'W
Insert	..... joining the approximate positions	00°20,16'N 50°38,14'W 00°21,04'N 50°37,60'W 00°21,08'N 50°37,47'W 00°20,99'N 50°37,19'W 00°20,88'N 50°37,07'W

00°20,80'N 50°37,06'W
 00°18,91'N 50°37,21'W
 00°18,50'N 50°37,72'W
 00°18,61'N 50°38,27'W
 00°19,03'N 50°38,42'W
 00°19,97'N 50°38,26'W
 00°19,90'N 50°37,45'W

Insert 4₁

I 121(P)/18 BRAZIL - AMAZON BASIN

Rio Amazonas - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pgs. 53 P (1), 58 P (40.1) and 61 Q (3)

Chart 244 Datum: Corrego Alegre - MG

Delete		<p>Fte. Floresta Lp.B.5s16m6M</p>	01°10,60'S 51°13,68'W
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Chart 4103A Datum: WGS-84

Delete		<p>Fte. Ponta Peregrino Lp.B.4s13m9M</p>	01°53,97'S 53°49,36'W
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Delete		<p>Fte. Monte Alegre R(2).B.6s11m10M</p>	02°00,84'S 54°02,10'W
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Delete		<p>Fte. Curuá Lp.B.10s 12m 10M</p>	02°18,30'S 54°06,75'W
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Chart 4103A (Plan) Datum: WGS-84

Delete		<p>Fte. Monte Alegre R(2).B.6s11m10M</p>	02°00,840'S 54°02,100'W
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Chart 4343B Datum: Corrego Alegre - MG

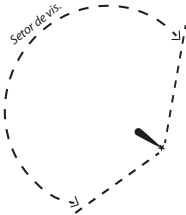
Delete		<p>Farolete Floresta Lp.B.5s 16m 6M</p>	01°10,60'S 51°13,68'W
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Chart 4381B Datum: Corrego Alegre - MG

Delete		<p>Pedra dos Patos</p>	03°14,88'S 55°15,35'W
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I 128(P)/18 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger Line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 36 K (1)

Chart 4102A Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions:

01°32,04'S	52°23,13'W
01°31,15'S	52°20,10'W
01°28,03'S	52°14,41'W
01°29,30'S	52°14,15'W
01°30,65'S	52°15,78'W
01°31,55'S	52°17,39'W
01°32,46'S	52°20,52'W
01°32,78'S	52°22,13'W

Chart 4361A Datum: Córrego Alegre - MG

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions:

01°31,05'S	52°19,95'W
01°28,02'S	52°14,38'W
01°29,29'S	52°14,12'W
01°30,64'S	52°15,75'W
01°31,54'S	52°17,36'W
01°32,27'S	52°19,95'W

I 132(P)/18 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger Line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 36 K (1)

Chart 244 Datum: Córrego Alegre

Existence of depths less than 5 meters

Insert (danger line), joining positions:

01°12,58'S	51°19,10'W
01°12,03'S	51°17,25'W
01°11,78'S	51°15,70'W
01°11,80'S	51°15,38'W
01°12,33'S	51°16,95'W
01°12,61'S	51°18,60'W

I 157(P)/18 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 67 Q (130.3)

Chart 306 Datum: Córrego Alegre - MG

Delete  R(6)B+LpL.B.15s 01°48,10'S 50°15,03'W

I 184(P)/18 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1)

Chart 304 Datum: WGS-84


Delete  *F(2+1)G.6s* 01°30,60'S 48°47,25'W

Chart 321 Datum: WGS-84

Delete  *Lp(2+1)V.6s* 01°30,600'S 48°47,250'W

I 4(P)/19 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1) and 69 S (3.3)

Chart 302 Datum: WGS-84

Insert	 V-AIS (no. 1)	00°24,53'S 47°55,16'W
Insert	 V-AIS (no. 2)	00°24,30'S 47°50,06'W
Insert	 V-AIS (no. 4)	00°25,30'S 47°53,26'W
Insert	 V-AIS (no. 6)	00°25,73'S 47°55,01'W
Insert	 V-AIS (no. 8)	00°28,06'S 47°57,26'W
Insert	 V-AIS (no. 3)	00°18,00'S 47°59,70'W
Insert	 AIS	00°33,44'S 47°53,85'W
Insert	 AIS	00°34,65'S 48°01,81'W

Chart 303 Datum: WGS-84

Insert	 V-AIS (no. 5)	00°56,20'S 48°26,81'W
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Chart 320 Datum: WGS-84

Insert	 AIS	01°22,650'S 48°29,560'W
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Chart 21010 (INT 4071) Datum: WGS-84

Insert	 AIS	00°33,4'S 47°53,9'W
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Chart 21400 (INT 4197) Datum: WGS-84

Insert	 AIS	00°33,44'S 47°53,85'W
Insert	 AIS	00°34,65'S 48°01,81'W

I 17(P)/19 BRAZIL - AMAZON BASIN

Rio Tocantins - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 36 K (1)

Chart 4362 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°31,17'S 49°28,60'W
02°32,23'S 49°28,98'W
02°31,98'S 49°29,79'W
02°31,24'S 49°29,34'W
02°31,09'S 49°28,85'W

Insert 1 02°31,66'S 49°29,17'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°16,71'S 49°27,21'W
02°16,57'S 49°27,53'W
02°15,74'S 49°27,44'W
02°15,92'S 49°27,06'W

Insert 0 02°16,24'S 49°27,32'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°14,12'S 49°27,11'W
02°13,38'S 49°26,80'W
02°13,45'S 49°26,66'W
02°14,20'S 49°26,88'W

Insert 0₈ 02°13,82'S 49°26,88'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°10,13'S 49°25,40'W
02°09,79'S 49°25,21'W
02°09,91'S 49°24,25'W
02°10,38'S 49°24,72'W

Insert 3₆ 02°10,06'S 49°24,87'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°07,52'S 49°24,09'W
02°07,38'S 49°24,31'W
02°07,02'S 49°24,27'W
02°06,89'S 49°23,89'W
02°07,01'S 49°23,68'W

Insert 1₈ 02°07,18'S 49°24,04'W

I 18(P)/19 BRAZIL - AMAZON BASIN


Rio Tocantins - Depths and Obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10), 38 K (41) and 48 N (1.2)


Chart 4362 Datum: WGS-84

Replace	3	with	2 ₄	02°21,37'S 49°28,89'W
Replace	1 ₃	with	1	02°17,11'S 49°29,73'W
Replace	1 ₉	with	1	02°16,66'S 49°29,58'W
Replace	5 ₂	with	5 ₄	02°16,51'S 49°27,18'W
Replace	3 ₅	with	1 ₄	02°08,21'S 49°24,49'W

Area with lowest found depth of 4,1 meters

Insert		joining positions:	02°28,22'S 49°27,29'W 02°28,07'S 49°27,37'W 02°27,51'S 49°26,93'W 02°27,58'S 49°26,80'W
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Area with lowest found depth of 4,0 meters

Insert		joining positions:	02°07,69'S 49°24,69'W 02°07,57'S 49°24,15'W 02°08,15'S 49°23,96'W 02°08,22'S 49°24,25'W 02°07,96'S 49°24,40'W
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Insert	 Obst	02°35,19'S 49°30,77'W
Insert	 Obst	02°29,67'S 49°27,90'W
Insert	 Obst	02°25,37'S 49°27,56'W
Insert	 Obst	02°23,90'S 49°27,56'W
Insert	 Obst	02°18,24'S 49°28,02'W
Insert	 Obst	02°12,76'S 49°27,81'W
Insert	 Obst	02°11,54'S 49°26,88'W
Insert	 Obst	02°11,27'S 49°26,29'W
Insert	 Obst	02°11,00'S 49°26,28'W
Insert	 Obst	02°09,83'S 49°25,89'W

I 19(P)/19 BRAZIL - AMAZON BASIN

Rio Tocantins - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 36 K (1)

Chart 4363 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°05,51'S 49°39,50'W
03°05,50'S 49°39,34'W
03°05,65'S 49°39,28'W
03°05,85'S 49°39,31'W
03°05,85'S 49°39,53'W

Insert 1_2 03°05,70'S 49°39,40'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°00,61'S 49°38,63'W
03°00,16'S 49°39,10'W
02°59,39'S 49°38,92'W
02°59,19'S 49°38,35'W
02°59,95'S 49°38,39'W

Insert 0 02°59,86'S 49°38,71'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°56,27'S 49°39,19'W
02°56,89'S 49°39,02'W
02°56,97'S 49°39,29'W
02°56,73'S 49°39,38'W
02°56,39'S 49°39,42'W

Insert 0_5 02°56,66'S 49°39,24'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°52,37'S 49°40,29'W
02°53,23'S 49°40,11'W
02°53,73'S 49°39,97'W
02°53,84'S 49°40,39'W
02°53,61'S 49°40,51'W
02°53,37'S 49°40,59'W
02°53,12'S 49°40,61'W
02°52,87'S 49°40,60'W
02°52,59'S 49°40,58'W

Insert 0_2 02°53,16'S 49°40,35'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°48,42'S 49°40,77'W
02°48,43'S 49°40,60'W
02°48,88'S 49°40,56'W
02°48,94'S 49°40,81'W

Insert 1_9 02°48,68'S 49°40,68'W

I 20(P)/19 BRAZIL - AMAZON BASIN


Rio Tocantins - Depths and Obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10), 38 K (41) and 48 N (1.2)


Chart 4363 Datum: WGS-84

Replace	2 ₄	por	2 ₁	03°05,53'S 49°39,30'W
Replace	3 ₃	por	2 ₄	03°03,30'S 49°38,89'W
Replace	2 ₁	por	1 ₅	02°58,80'S 49°38,89'W
Replace	1	por	0 ₂	02°42,85'S 49°40,74'W


Area with lowest found depth of 2,2 meters

Insert		joining positions:	02°57,86'S 49°39,30'W 02°57,88'S 49°38,93'W 02°59,18'S 49°39,00'W 02°59,14'S 49°39,27'W
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Area with lowest found depth of 4,1 meters

Insert		joining positions:	02°54,04'S 49°40,43'W 02°53,96'S 49°40,31'W 02°54,44'S 49°39,97'W 02°54,55'S 49°40,11'W
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Area with lowest found depth of 4,1 meters

Insert		joining positions:	02°51,43'S 49°41,17'W 02°51,39'S 49°40,97'W 02°52,20'S 49°40,77'W 02°52,29'S 49°41,08'W
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Insert	 Obst	02°54,70'S 49°39,99'W
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Insert	 Obst	02°51,65'S 49°40,84'W
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Insert	 Obst	02°49,95'S 49°40,95'W
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Insert	 Obst	02°37,16'S 49°39,34'W
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Insert	 Obst	02°35,19'S 49°30,77'W
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Chart 4363 (Plan)

Insert	 Obst	02°35,190'S 49°30,770'W
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I 21(P)/19 BRAZIL - AMAZON BASIN

Rio Tocantins - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 36 K (1)

Chart 4364 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°19,86'S 49°38,90'W
03°19,80'S 49°38,45'W
03°20,37'S 49°38,39'W
03°20,81'S 49°38,31'W
03°20,80'S 49°38,83'W
03°20,41'S 49°38,90'W
03°20,00'S 49°38,94'W

Insert 0_1 03°20,33'S 49°38,63'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°17,77'S 49°39,06'W
03°18,14'S 49°38,71'W
03°18,43'S 49°38,73'W
03°18,71'S 49°38,77'W
03°18,25'S 49°38,95'W

Insert 0_1 03°18,22'S 49°38,84'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°12,89'S 49°38,99'W
03°12,38'S 49°38,82'W
03°12,69'S 49°38,81'W
03°12,95'S 49°38,87'W
03°13,35'S 49°39,19'W
03°13,77'S 49°39,54'W
03°13,60'S 49°39,60'W
03°13,44'S 49°39,54'W
03°13,20'S 49°39,31'W

Insert 0_6 03°13,20'S 49°39,19'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°10,11'S 49°38,86'W
03°10,08'S 49°39,32'W
03°09,28'S 49°39,30'W
03°08,77'S 49°39,05'W
03°09,36'S 49°38,82'W

Insert 0 03°09,57'S 49°39,08'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°06,04'S 49°39,55'W
03°05,51'S 49°39,50'W
03°05,50'S 49°39,34'W
03°05,65'S 49°39,28'W
03°06,05'S 49°39,32'W

Insert 1_2 03°05,80'S 49°39,40'W

I 22(P)/19 BRAZIL - AMAZON BASIN


Rio Tocantins - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 48 N (1.2)


Chart 4364 Datum: WGS-84

Delete	2 ₆			03°21,28'S 49°38,58'W
Delete	1 ₅			03°21,09'S 49°38,50'W
Delete	3 ₄			03°10,95'S 49°39,20'W
Delete	3 ₄			03°11,06'S 49°39,30'W
Delete	3 ₈			03°10,95'S 49°39,41'W
Delete	3			03°10,83'S 49°39,28'W
Delete	2 ₄			03°10,62'S 49°39,25'W
Insert	0 ₈			03°14,19'S 49°39,73'W
Insert	3 ₂			03°13,31'S 49°39,55'W
Insert	2 ₅			03°11,02'S 49°39,37'W
Insert	2 ₅			03°10,77'S 49°39,22'W
Insert	2 ₃			03°10,65'S 49°39,33'W
Replace	3 ₄	with	1 ₇	03°21,13'S 49°38,69'W
Replace	2 ₄	with	1 ₅	03°15,50'S 49°39,36'W
Replace	1 ₁	with	0 ₈	03°14,92'S 49°39,45'W
Replace	2 ₄	with	2 ₁	03°05,53'S 49°39,30'W
Replace	3 ₆	with	1 ₇	03°10,41'S 49°39,29'W
Replace	2 ₁	with	1 ₂	03°10,20'S 49°39,10'W


Area with lowest found depth of 4,0 meters

Insert		joining positions:	03°19,80'S 49°38,60'W 03°19,83'S 49°38,84'W 03°19,36'S 49°38,88'W 03°19,32'S 49°38,65'W
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Area with lowest found depth of 2,2 meters

Insert		joining positions:	03°14,46'S 49°39,37'W 03°14,50'S 49°39,59'W 03°14,31'S 49°39,60'W 03°14,09'S 49°39,73'W 03°14,04'S 49°39,66'W 03°14,27'S 49°39,45'W
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Area with lowest found depth of 2,6 meters

Insert		joining positions:	03°06,14'S 49°39,53'W 03°06,28'S 49°39,11'W 03°06,85'S 49°39,41'W 03°06,60'S 49°39,67'W
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I 23(P)/19 BRAZIL - AMAZON BASIN

Rio Tocantins - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 36 K (1)

Chart 4365 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°32,99'S 49°36,53'W
03°32,35'S 49°36,79'W
03°32,09'S 49°36,77'W
03°32,50'S 49°36,50'W
03°32,77'S 49°36,44'W

Insert 0_1 03°32,55'S 49°36,60'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°23,85'S 49°36,26'W
03°24,87'S 49°36,11'W
03°24,90'S 49°36,39'W
03°24,64'S 49°36,53'W
03°24,10'S 49°36,42'W

Insert 0_1 03°24,48'S 49°36,31'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°22,72'S 49°37,21'W
03°22,97'S 49°36,96'W
03°23,27'S 49°36,77'W
03°23,35'S 49°36,93'W
03°22,81'S 49°37,31'W

Insert 0_1 03°23,05'S 49°37,04'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°22,05'S 49°37,93'W
03°22,50'S 49°38,51'W
03°21,74'S 49°38,99'W
03°21,66'S 49°38,73'W
03°21,64'S 49°38,39'W
03°21,78'S 49°38,16'W

Insert 0_1 03°22,00'S 49°38,45'W

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 03°20,59'S 49°38,87'W
03°20,59'S 49°38,34'W
03°20,81'S 49°38,31'W
03°20,80'S 49°38,83'W

Insert 0_1 03°20,70'S 49°38,60'W

I 24(P)/19 BRAZIL - AMAZON BASIN


Rio Tocantins - Depths and Obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10), 38 K (41) and 48 N (1.2)


Chart 4365 Datum: WGS-84

Replace	3 ₄	with	1 ₇	03°21,13'S 49°38,69'W
Delete	2 ₄			03°21,44'S 49°38,62'W
Delete	2 ₆			03°21,28'S 49°38,58'W
Delete	1 ₅			03°21,09'S 49°38,50'W

Area with lowest found depth of 3,1 meters

Insert		joining positions:	03°33,39'S 49°36,75'W 03°34,00'S 49°36,89'W 03°34,38'S 49°37,24'W 03°34,10'S 49°37,47'W
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Area with lowest found depth of 3,5 meters

Insert		joining positions:	03°24,52'S 49°36,54'W 03°24,46'S 49°36,78'W 03°23,61'S 49°36,65'W 03°23,66'S 49°36,37'W
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Insert	 Obst	03°34,45'S 49°36,93'W
Insert	 Obst	03°32,38'S 49°36,47'W
Insert	 Obst	03°29,61'S 49°36,08'W
Insert	 Obst	03°25,23'S 49°36,47'W

I 32(P)/19 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 10 (INT 407) Datum: WGS-84

Delete		00°39,7'S 48°02,6'W
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Chart 302 Datum: WGS-84

Delete	 Lp(3) B.15s39m16M	00°39,71'S 48°02,63'W
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Chart 303 Datum: WGS-84

Delete	 Lp(3) B.15s39m16M	00°39,71'S 48°02,63'W
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Chart 21010 (INT 4071) Datum: WGS-84

Delete	 Fl(3) W.16M	00°39,7'S 48°02,6'W
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Chart 21400 (INT 4197) Datum: WGS-84

Delete	 Fl(3) W.15s39m16M	00°39,71'S 48°02,63'W
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I 41(P)/19 BRAZIL - AMAZON BASIN

Ponta Pesqueiro - Danger Line and Depth

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10) and 36 K (1)

Chart 303 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 00°40,00'S 48°27,40'W
00°41,60'S 48°27,40'W
00°41,60'S 48°26,60'W
00°40,00'S 48°26,60'W

Insert 4 00°40,40'S 48°27,00'W

Chart 21400 (INT 4197) Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 00°40,00'S 48°27,40'W
00°41,60'S 48°27,40'W
00°41,60'S 48°26,60'W
00°40,00'S 48°26,60'W

Insert 4 00°40,40'S 48°27,00'W

I 54(P)/19 BRAZIL - AMAZON BASIN

Porto de Santana vicinity - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 37 K (24)

Chart 204 Datum: WGS-84

Insert  00°03,48'S 51°10,93'W

Chart 206 Datum: WGS-84

Insert  00°03,475'S 51°10,928'W

Chart 242 Datum: WGS-84

Insert  00°03,48'S 51°10,93'W

I 56(P)/19 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pgs. 66 Q (130.1) and 69 S (3.3)

This notice cancels notice I 87(P)/18.

Chart 302 Datum: WGS-84 (Last correction: 46/18)


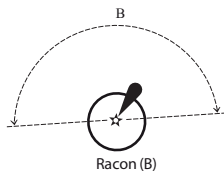
Delete			00°34,65'S 48°01,81'W
Delete		Lp.E.5s (no.1)	00°24,53'S 47°55,16'W
Delete		Lp(3)V.12s (no.2)	00°24,30'S 47°50,06'W
Delete		Lp(2)V.6s (no.4)	00°25,30'S 47°53,26'W
Delete		Lp.V.5s (no.6)	00°25,73'S 47°55,01'W
Delete		Lp.V.3s (no.8)	00°28,06'S 47°57,26'W
Delete		Lp.E.5s (no.3)	00°18,00'S 47°59,70'W
Delete		Lp(2)B.10s31m18M Racon (B)	00°33,44'S 47°53,85'W

Chart 21010 (INT 4071) Datum: WGS-84 (Last correction: 43/19)

Delete		FI(2)W.18M Racon (B)	00°33,4'S 47°53,9'W
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Chart 21400 (INT 4197) Datum: WGS-84 (Last correction: 33/19)

Delete		FI(2)W.10s35m18M Racon (B)	00°33,44'S 47°53,85'W
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I 98(P)/19 BRAZIL - AMAZON BASIN

Ilha de Marajó - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 304 Datum: WGS-84

Delete  Itaguari
Fl.W.5s12m9M 01°25,54'S 48°49,01'W

I 99(P)/19 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 36 K (1).

Chart 4102A Datum: WGS-84

Danger line, lower depth 11,2m.

Insert (danger line) joining positions:
01°29,02'S 52°12,89'W
01°28,59'S 52°13,08'W
01°27,60'S 52°11,14'W
01°27,76'S 52°11,08'W
01°29,02'S 52°12,89'W

Chart 4361A Datum: Córrego Alegre-MG

Danger line, lower depth 11,2m.

Insert (danger line) joining positions:
01°29,02'S 52°12,86'W
01°28,59'S 52°13,05'W
01°27,60'S 52°11,11'W
01°27,76'S 52°11,05'W
01°29,02'S 52°12,86'W

I 100(P)/19 BRAZIL - AMAZON BASIN

De Almerim à Prainha - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 36 K (1)

Chart 4102B Datum: WGS-84

Danger line, lower depth 12,3m.

Insert (Danger line) joining positions
01°34,89'S 52°48,72'W
01°34,42'S 52°48,73'W
01°34,49'S 52°47,27'W
01°34,89'S 52°47,27'W
01°34,89'S 52°48,72'W

I 114(P)/19 BRAZIL - AMAZON BASIN

Rio Tapajós - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 52 N (62.1)

Chart 4382B Datum: Corrego Alegre-MG

Insert



04°17,13'S 55° 57,67'W
04°17,02'S 55° 57,58'W
04°17,05'S 55° 57,55'W
04°17,15'S 55° 57,63'W

Chart 4383 Datum: Corrego Alegre-MG

Insert



04°17,13'S 55° 57,67'W
04°17,02'S 55° 57,58'W
04°17,05'S 55° 57,55'W
04°17,15'S 55° 57,63'W

I 173(P)/19 BRAZIL - AMAZON BASIN

Rio Amazonas - Canivete Radiobeacon

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 70 S (10 and 51)

Chart 1 Datum: WGS-84

Delete



00°30,5'N 50°24,9'W

Chart 10 (INT 407) Datum: WGS-84

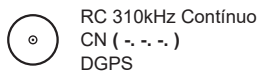
Delete



00°30,5'N 50°24,9'W

Chart 203 Datum: Corrego Alegre - MG

Delete



00°30,53'N 50°24,84'W

Chart 21010 (INT 4071) Datum: WGS-84

Delete



00°30,5'N 50°24,9'W

Chart 21300 (INT 4196) Datum: WGS-84

Delete



00°30,5'N 50°24,9'W

I 174(P)/19 BRAZIL - AMAZON BASIN

Baía de Macapá - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 59 P (51) (4) and 69 S (3.3) (4)

Chart 1 Datum: WGS-84

Delete  00°59,4'N 49°56,8'W

Chart 202 Datum: Córrego Alegre - MG

Delete  Lp.B.10s41m14M
Racon (M) 00°59,40'N 49°56,80'W


Delete  Lp.B.6s11m9M 00°45,64'N 50°07,01'W

Chart 203 Datum: Córrego Alegre - MG

Delete  LpL.B.15s24m16M 00°15,66'N 50°31,30'W

Chart 204 Datum: WGS-84

Delete  LpL.B.15s24m16M 00°15,66'N 50°31,33'W


Delete  Lp(2).B.10s13m10M 00°01,33'S 51°03,72'W

Delete  Lp(3).B.10s10m6M 00°04,08'S 51°07,85'W

Chart 206 Datum: WGS-84

Delete  Lp(3).B.10s10m6M 00°04,080'S 51°07,850'W

Chart 221 Datum: WGS-84

Delete  Fl.W.10s41m14M
Racon (M) 00°59,40'N 49°56,83'W

Delete  Fl.W.6s11m9M 00°45,64'N 50°07,04'W

Chart 241 Datum: Córrego Alegre - MG

Delete  LpL.B.15s24m16M 00°15,66'N 50°31,30'W

Chart 242 Datum: WGS-84

Delete  Lp(2).B.10s13m10M 00°01,33'S 51°03,72'W

Delete  Lp(3).B.10s10m6M 00°04,08'S 51°07,85'W

Chart 4101 A Datum: WGS-84

Delete  Lp(2).B.10s13m10M 00°01,33'S 51°03,72'W

Delete  Lp(3).B.10s10m6M 00°04,08'S 51°07,85'W

Chart 21010 (INT 4071) Datum: WGS-84

Delete  Fl.W.14M
Racon (M) 00°59,4'N 49°56,8'W

Delete  Fl.W.9M 00°45,6'N 50°07,0'W

Chart 21300 (INT 4196) Datum: WGS-84

Delete		Fl.W.10s41m14M Racon (M)	00°59,4'N 49°56,8'W
Delete		Fl.W.6s11m9M	00°45,6'N 50°07,0'W
Delete		LFl.W.15s24m16M	00°15,7'N 50°31,3'W
Delete		Fl(2).W.10s13m10M	00°01,3'S 51°03,7'W
Delete		Fl(3).W.10s10m6M	00°04,1'S 51°07,9'W

I 175(P)/19 BRAZIL - AMAZON BASIN

Ilha do Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 69 S (1)

This Notice cancels Preliminary I 183(P)/18

Chart 10 (INT 407) Datum: WGS-84

Delete		Racon	00°52,8'N 49°59,3'W
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Chart 202 Datum: Córrego Alegre-MG

Delete		Racon B (-...) Lp(3)B.10s33m16M	00°52,80'N 49°59,24'W
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Chart 221 Datum: WGS-84

Delete		Fl(3)W.10s33m16M Racon(B)	00°52,80'N 49°59,27'W
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Chart 21010 (INT 4071) Datum: WGS-84

Delete		Fl(3)W.16M Racon(B)	00°52,8'N 49°59,3'W
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Chart 21300 (INT 4196) Datum: WGS-84

Delete		Fl(3)W.10s33m16M Racon(B)	00°52,8'N 49°59,3'W
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I 209(P)/19 BRAZIL - AMAZON BASIN

Rio Amazonas - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10)

Chart 4032 Datum: WGS-84

Delete	12 ₇	03°06,23'S 59°34,50'W
Insert	11 ₇	03°06,23'S 59°34,50'W

I 217(P)/19 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1) and 31 I (10)

Chart 242 Datum: WGS-84

Danger line, lower depth 8,4m.

Insert (danger line) joining positions	00°14,64'S 51°04,05'W 00°14,20'S 51°04,05'W 00°12,12'S 51°02,91'W 00°12,29'S 51°02,66'W 00°15,22'S 51°03,60'W 00°15,67'S 51°04,05'W 00°15,42'S 51°04,05'W 00°15,26'S 51°03,92'W 00°13,18'S 51°03,01'W 00°13,06'S 51°03,21'W
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Insert	8 ₄	00°13,78'S 51°03,39'W
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Danger line, lower depth 7,9m.

Insert (danger line) joining positions	00°15,71'S 51°04,27'W 00°15,55'S 51°04,53'W 00°14,64'S 51°04,05'W 00°13,06'S 51°03,21'W 00°13,18'S 51°03,01'W 00°15,26'S 51°03,92'W 00°15,42'S 51°04,05'W
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Insert	7 ₉	00°15,33'S 51°04,21'W
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Chart 4101 A Datum: WGS-84

Danger line, lower depth 8,4m.

Insert (danger line) joining positions	00°14,64'S 51°04,05'W 00°14,20'S 51°04,05'W 00°12,12'S 51°02,91'W 00°12,29'S 51°02,66'W 00°15,22'S 51°03,60'W 00°15,67'S 51°04,05'W 00°15,42'S 51°04,05'W 00°15,26'S 51°03,92'W 00°13,18'S 51°03,01'W 00°13,06'S 51°03,21'W
--------	---------------------------------------	--

Insert	8 ₄	00°13,78'S 51°03,39'W
--------	----------------	-----------------------

Danger line, lower depth 7,9m.

Insert (danger line) joining positions	00°15,71'S 51°04,27'W 00°15,55'S 51°04,53'W 00°14,64'S 51°04,05'W 00°13,06'S 51°03,21'W 00°13,18'S 51°03,01'W 00°15,26'S 51°03,92'W 00°15,42'S 51°04,05'W
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Insert	7 ₉	00°15,33'S 51°04,21'W
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I 218(P)/19 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line and Depths

Republished: see correction in highlight (originally published in Notices to Mariners n° 21/19)

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1) and 31 I (10)

Chart 4102 B Datum: WGS-84

Danger line, lower depth 0,3m.

Insert (danger line) joining positions	01°35,70'S 52°54,75'W 01°37,50'S 52°55,16'W 01°37,61'S 52°54,90'W 01°35,54'S 52°53,74'W 01°35,22'S 52°53,31'W 01°35,03'S 52°53,39'W 01°35,70'S 52°54,75'W
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Insert	0_3	01°36,89'S 52°54,86'W
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Insert	4_4	01°36,21'S 52°54,24'W
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Danger line, lower depth 1,2m.

Insert (danger line) joining positions	01°34,30'S 52°51,53'W 01°34,44'S 52°51,46'W 01°34,70'S 52°52,15'W 01°34,56'S 52°52,20'W 01°34,30'S 52°51,53'W
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Insert	1_2	01°34,39'S 52°51,57'W
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Danger line, lower depth 3,9m.

Insert (danger line) joining positions	01°33,41'S 52°48,30'W 01°33,54'S 52°48,31'W 01°33,54'S 52°48,45'W 01°33,40'S 52°48,45'W 01°33,41'S 52°48,30'W
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Insert	3_9	01°33,49'S 52°48,39'W
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Danger line, lower depth 1,9m.

Insert (danger line) joining positions	01°33,54'S 52°41,44'W 01°34,03'S 52°43,03'W 01°34,14'S 52°43,00'W 01°33,65'S 52°41,39'W 01°33,54'S 52°41,44'W
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Insert	1_9	01°33,87'S 52°42,33'W
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I 237(P)/19 BRAZIL - AMAZON BASIN

Canal Grande do Curuá - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 36 K (1) and 31 I (10)

Chart 221 Datum: WGS-84

Danger line, lower depth 4,0m.

Insert	..... (danger line) lower depth 4,0m, joining positions	00°54,60'N 49°53,22'W 00°54,60'N 49°52,62'W 00°54,18'N 49°53,22'W 00°54,18'N 49°52,62'W
Insert	4	00°54,34'N 49°52,90'W

Canal Grande do Curuá - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, p. 66 Q (130.1)

This Notice cancels Preliminary I 227(P)/19.

Chart 221 Datum: WGS-84





















Delete		<i>Fl.R.5s5M</i> (No 1)	01°04,40'N 49°38,95'W
Insert		<i>Fl.R.5s5M</i> (No 1)	01°04,14'N 49°38,71'W
Delete		<i>Fl.G.5s5M</i> (No 2)	01°03,70'N 49°38,10'W
Insert		<i>Fl.G.5s5M</i> (No 2)	01°04,70'N 49°36,46'W
Delete		<i>Q(2)G.5s5M</i> (No 4)	00°59,88'N 49°42,43'W
Insert		<i>Q(2)G.5s5M</i> (No 4)	00°57,88'N 49°39,78'W
Delete		<i>Q(2).G.6s5M</i> (No 6)	00°54,40'N 49°47,54'W
Insert		<i>Q(2).G.6s5M</i> (No 6)	00°55,56'N 49°46,58'W
Delete		<i>Fl(3).G.12s5M</i> (No 8)	00°52,80'N 49°50,46'W
Insert		<i>Fl(3).G.12s5M</i> (No 8)	00°50,81'N 49°51,24'W

Chart 21300 (INT 4196) Datum: WGS-84

Delete		<i>Fl.R.5s5M</i> (No 1)	01°04,4'N 49°39,0'W
Insert		<i>Fl.R.5s5M</i> (No 1)	01°04,1'N 49°38,7'W
Delete		<i>Fl.G.5s5M</i> (No 2)	01°03,7'N 49°38,1'W
Insert		<i>Fl.G.5s5M</i> (No 2)	01°04,7'N 49°36,5'W
Delete		<i>Q(2)G.5s5M</i> (No 4)	00°59,9'N 49°42,4'W
Insert		<i>Q(2)G.5s5M</i> (No 4)	00°57,9'N 49°39,8'W
Delete		<i>Q(2).G.6s5M</i> (No 6)	00°54,4'N 49°47,5'W
Insert		<i>Q(2).G.6s5M</i> (No 6)	00°55,6'N 49°46,6'W
Delete		<i>Fl(3).G.12s5M</i> (No 8)	00°52,8'N 49°50,5'W
Insert		<i>Fl(3).G.12s5M</i> (No 8)	00°50,8'N 49°51,2'W

I 5(P)/20 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1) and 31 I (10)

Chart 204 Datum: WGS-84

Danger line, lower depth 2,9m.

Insert (danger line) joining positions: 00°05,00'S 51°04,67'W
00°04,55'S 51°03,82'W
00°04,62'S 51°03,76'W
00°05,00'S 51°04,22'W

Danger line, lower depth 0,3m.

Insert (danger line) joining positions: 00°02,68'S 51°02,30'W
00°03,61'S 51°03,91'W
00°03,47'S 51°04,27'W
00°02,49'S 51°03,08'W

Insert 0_3 00°03,24'S 51°03,51'W

Chart 242 Datum: WGS-84

Danger line, lower depth 2,6m.

Insert (danger line) joining positions: 00°07,60'S 51°12,28'W
00°07,70'S 51°12,20'W
00°08,14'S 51°12,76'W
00°08,02'S 51°12,86'W

Insert 2_6 00°08,09'S 51°12,78'W

Danger line, lower depth 0,0m.

Insert (danger line) joining positions: 00°06,99'S 51°11,56'W
00°06,80'S 51°11,66'W
00°06,21'S 51°10,68'W
00°06,38'S 51°10,55'W

Insert 0_0 00°06,69'S 51°11,45'W

Danger line, lower depth 2,9m.

Insert (danger line) joining positions: 00°05,13'S 51°04,93'W
00°04,55'S 51°03,82'W
00°04,62'S 51°03,76'W
00°05,38'S 51°04,69'W

Insert 2_9 00°05,21'S 51°04,84'W

Danger line, lower depth 0,3m.

Insert (danger line) joining positions: 00°02,68'S 51°02,30'W
00°03,61'S 51°03,91'W
00°03,47'S 51°04,27'W
00°02,49'S 51°03,08'W

Insert 0_3 00°03,24'S 51°03,51'W

Chart 4101 A Datum: WGS-84

Danger line, lower depth 0,6m.

Insert (danger line) joining positions: 00°17,56'S 51°20,42'W
00°17,67'S 51°20,26'W
00°20,47'S 51°21,26'W
00°22,53'S 51°21,90'W
00°24,99'S 51°24,36'W
00°24,94'S 51°24,53'W
00°24,42'S 51°24,23'W

		00°22,20'S 51°22,18'W 00°20,50'S 51°21,39'W
Insert	0_6	00°21,36'S 51°21,63'W
Danger line, lower depth 1,5m.		
Insert	..... (danger line) joining positions:	00°21,48'S 51°22,79'W 00°21,52'S 51°22,75'W 00°22,57'S 51°23,51'W 00°22,54'S 51°23,54'W
Insert	1_5	00°21,98'S 51°23,12'W
Danger line, lower depth 2,6m.		
Insert	..... (danger line) joining positions:	00°07,60'S 51°12,28'W 00°07,70'S 51°12,20'W 00°08,14'S 51°12,76'W 00°08,02'S 51°12,86'W
Insert	2_6	00°08,09'S 51°12,78'W
Danger line, lower depth 0,0m.		
Insert	..... (danger line) joining positions:	00°06,99'S 51°11,56'W 00°06,80'S 51°11,66'W 00°06,21'S 51°10,68'W 00°06,38'S 51°10,55'W
Insert	0_0	00°06,69'S 51°11,45'W
Danger line, lower depth 2,9m.		
Insert	..... (danger line) joining positions:	00°05,13'S 51°04,93'W 00°04,55'S 51°03,82'W 00°04,62'S 51°03,76'W 00°05,38'S 51°04,69'W
Insert	2_9	00°05,21'S 51°04,84'W
Danger line, lower depth 0,3m.		
Insert	..... (danger line) joining positions:	00°02,68'S 51°02,30'W 00°03,61'S 51°03,91'W 00°03,47'S 51°04,27'W 00°02,49'S 51°03,08'W
Insert	0_3	00°03,24'S 51°03,51'W

I 7(P)/20 BRAZIL - AMAZON BASIN

Rio Jari - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 36 K (1) and 31 I (10)

Chart 4211 Datum: WGS-84

Danger line, lower depth 4,2m.

Insert (danger line) joining positions: 01°10,680'S 51°52,504'W
01°10,622'S 51°52,652'W
01°10,019'S 51°52,153'W
01°09,929'S 51°52,006'W
01°10,129'S 51°52,050'W

Insert 4_2 01°10,322'S 51°52,316'W

Danger line, lower depth 8,6m.

Insert (danger line) joining positions: 01°09,814'S 51°52,687'W
01°09,859'S 51°52,557'W
01°10,123'S 51°52,616'W
01°10,072'S 51°52,826'W

Insert 8_6 01°09,970'S 51°52,673'W

Insert 17_1 01°11,149'S 51°54,311'W

I 19(P)/20 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4a ed., 2014, p. 36 K (1)

Chart 4023 Datum: WGS-84

Danger line, lower depth 10,1m.

Insert(danger line) joining positions:

02°00,80'S 55°59,99'W
02°01,94'S 55°52,52'W
02°01,99'S 55°52,39'W
02°00,64'S 55°50,65'W
02°00,51'S 55°51,56'W
02°00,11'S 55°52,76'W
02°00,07'S 55°51,68'W
01°59,93'S 55°50,86'W
01°59,39'S 55°50,13'W
01°59,77'S 55°49,91'W
02°00,16'S 55°50,67'W
02°00,64'S 55°50,43'W
02°00,94'S 55°50,77'W
02°02,05'S 55°52,18'W
02°02,42'S 55°52,66'W
02°02,58'S 55°53,02'W

Danger line, lower depth 0,7m.

Insert(danger line) joining positions:

02°01,83'S 55°52,72'W
02°01,32'S 55°52,16'W
02°00,77'S 55°51,75'W
02°00,57'S 55°51,82'W
02°00,41'S 55°52,15'W
02°00,51'S 55°51,63'W
02°00,66'S 55°50,69'W
02°01,96'S 55°52,38'W

Danger line, lower depth 2,7m.

Insert(danger line) joining positions:

02°00,01'S 55°55,41'W
01°59,75'S 55°55,28'W
02°00,32'S 55°52,85'W
02°00,55'S 55°52,85'W

Danger line, lower depth 5,1m.

Insert(danger line) joining positions:

02°02,85'S 56°00,85'W
02°02,68'S 56°00,46'W
02°02,56'S 55°59,60'W
02°02,47'S 55°58,18'W
02°03,48'S 55°56,24'W
02°03,64'S 55°56,96'W
02°02,94'S 55°57,74'W
02°02,66'S 55°59,41'W
02°02,74'S 56°00,24'W
02°02,91'S 56°00,85'W

Danger line, lower depth 0,7m.

Insert(danger line) joining positions:

02°02,75'S 56°00,21'W
02°02,69'S 55°59,38'W
02°02,97'S 55°57,74'W
02°03,64'S 55°57,00'W
02°03,71'S 55°57,35'W
02°03,15'S 55°59,14'W
02°03,20'S 55°59,98'W

Danger line, lower depth 5,0m.

Insert(danger line) joining positions:

02°01,43'S 56°00,64'W

02°01,46'S 56°00,85'W
02°01,37'S 56°00,85'W
02°00,80'S 55°59,99'W
02°01,07'S 55°59,60'W
02°01,17'S 55°59,12'W
02°01,89'S 55°58,23'W
02°02,12'S 55°58,71'W
02°02,14'S 55°59,81'W
02°01,97'S 55°59,69'W
02°01,83'S 55°58,58'W
02°01,33'S 55°59,16'W
02°01,21'S 55°59,60'W
02°01,10'S 55°59,96'W

Danger line, lower depth 0,8m.

Insert(danger line) joining positions:

02°01,43'S 56°00,60'W
02°01,13'S 55°59,96'W
02°01,33'S 55°59,20'W
02°01,81'S 55°58,63'W
02°01,92'S 55°59,69'W
02°01,38'S 55°59,76'W

Chart 4023A Datum: WGS-84

Danger line, lower depth 10,1m.

Insert(danger line) joining positions:

02°02,75'S 55°53,83'W
02°01,94'S 55°52,52'W
02°01,99'S 55°52,39'W
02°00,92'S 55°51,00'W
02°01,12'S 55°51,00'W
02°02,05'S 55°52,18'W
02°02,42'S 55°52,66'W
02°02,58'S 55°53,02'W

Danger line, lower depth 10,1m.

Insert(danger line) joining positions:

02°00,59'S 55°51,00'W
02°00,51'S 55°51,56'W
02°00,11'S 55°52,76'W
02°00,07'S 55°51,68'W
01°59,95'S 55°51,00'W

Danger line, lower depth 0,7m.

Insert(danger line) joining positions:

02°01,83'S 55°52,72'W
02°01,32'S 55°52,16'W
02°00,77'S 55°51,75'W
02°00,57'S 55°51,82'W
02°00,41'S 55°52,15'W
02°00,51'S 55°51,63'W
02°00,61'S 55°51,00'W
02°00,89'S 55°51,00'W
02°01,96'S 55°52,38'W

Danger line, lower depth 2,7m.

Insert(danger line) joining positions:

02°00,01'S 055°55,41'W
01°59,75'S 055°55,28'W
02°00,32'S 055°52,85'W
02°00,55'S 055°52,85'W

Danger line, lower depth 5,1m.

Insert(danger line) joining positions:

02°03,04'S 56°01,28'W
02°02,68'S 56°00,46'W
02°02,56'S 55°59,60'W
02°02,47'S 55°58,18'W
02°03,48'S 55°56,24'W
02°03,64'S 55°56,96'W
02°02,94'S 55°57,74'W
02°02,66'S 55°59,41'W
02°02,74'S 56°00,24'W

Danger line, lower depth 0,7m.

Insert(danger line) joining positions:

02°02,75'S 56°00,21'W

02°02,69'S 55°59,38'W
02°02,97'S 55°57,74'W
02°03,64'S 55°57,00'W
02°03,71'S 55°57,35'W
02°03,15'S 55°59,14'W
02°03,20'S 55°59,98'W

Danger line, lower depth 5,0m.

Insert(danger line) joining positions:

02°01,43'S 56°00,64'W
02°01,48'S 56°01,02'W
02°00,80'S 55°59,99'W
02°01,07'S 55°59,60'W
02°01,17'S 55°59,12'W
02°01,89'S 55°58,23'W
02°02,12'S 55°58,71'W
02°02,14'S 55°59,81'W
02°01,97'S 55°59,69'W
02°01,83'S 55°58,58'W
02°01,33'S 55°59,16'W
02°01,21'S 55°59,60'W
02°01,10'S 55°59,96'W

Danger line, lower depth 0,8m.

Insert(danger line) joining positions:

02°01,43'S 56°00,60'W
02°01,13'S 55°59,96'W
02°01,33'S 55°59,20'W
02°01,81'S 55°58,63'W
02°01,92'S 55°59,69'W
02°01,38'S 55°59,76'W

Danger line, lower depth 0,9m.

Insert(danger line) joining positions:

01°59,92'S 56°04,03'W
02°00,95'S 56°02,83'W
02°01,59'S 56°02,84'W
02°02,23'S 56°03,09'W
02°02,90'S 56°03,55'W
02°03,06'S 56°03,75'W
02°01,14'S 56°03,01'W
02°00,10'S 56°04,27'W

Chart 4024 Datum: WGS-84

Danger line, lower depth 5,1m.

Insert(danger line) joining positions:

02°03,04'S 56°01,28'W
02°02,68'S 56°00,46'W
02°02,56'S 55°59,60'W
02°02,54'S 55°59,30'W
02°02,68'S 55°59,30'W
02°02,66'S 55°59,41'W
02°02,74'S 56°00,24'W

Danger line, lower depth 0,7m.

Insert(danger line) joining positions:

02°02,75'S 56°00,21'W
02°02,69'S 55°59,30'W
02°03,16'S 55°59,30'W
02°03,20'S 55°59,98'W

Danger line, lower depth 5,0m.

Insert(danger line) joining positions:

02°01,43'S 56°00,64'W
02°01,48'S 56°01,02'W
02°00,80'S 55°59,99'W
02°01,07'S 55°59,60'W
02°01,13'S 55°59,30'W
02°01,29'S 55°59,30'W
02°01,10'S 55°59,96'W

Danger line, lower depth 5,0m.

Insert(danger line) joining positions:

02°02,13'S 55°59,30'W
02°02,14'S 55°59,81'W

02°01,97'S 55°59,69'W
02°01,92'S 55°59,30'W

Danger line, lower depth 0,8m.

Insert(danger line) joining positions:

02°01,429'S 56°00,597'W
02°01,132'S 55°59,962'W
02°01,302'S 55°59,300'W
02°01,884'S 55°59,300'W
02°01,924'S 55°59,691'W
02°01,377'S 55°59,758'W

Danger line, lower depth 0,9m.

Insert(danger line) joining positions:

01°59,92'S 56°04,03'W
02°00,95'S 56°02,83'W
02°01,59'S 56°02,84'W
02°02,23'S 56°03,09'W
02°02,90'S 56°03,55'W
02°03,06'S 56°03,75'W
02°01,14'S 56°03,01'W
02°00,10'S 56°04,27'W

Danger line, lower depth 8,2m.

Insert(danger line) joining positions:

02°09,27'S 56°07,04'W
02°09,23'S 56°07,08'W
02°09,01'S 56°06,30'W
02°09,08'S 56°06,30'W

Danger line, lower depth 7,8m.

Insert(danger line) joining positions:

02°09,32'S 56°07,26'W
02°09,66'S 56°08,04'W
02°09,88'S 56°08,54'W
02°10,06'S 56°08,79'W
02°09,87'S 56°09,00'W
02°09,45'S 56°08,05'W

Chart 4024 (Plan) Datum: WGS-84

Danger line, lower depth 8,2m.

Insert(danger line) joining positions:

02°09,272'S 56°07,043'W
02°09,229'S 56°07,077'W
02°09,012'S 56°06,296'W
02°09,078'S 56°06,303'W

I 20(P)/20 BRAZIL - RIO PARÁ

Baía de Guajará - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1)

Chart 304 Datum: WGS-84

Danger line, lower depth 4,5m.

Insert(danger line) joining positions:
01°23,36'S 48°30,58'W
01°23,22'S 48°30,51'W
01°23,26'S 48°30,41'W
01°22,96'S 48°30,24'W
01°22,75'S 48°30,03'W
01°23,57'S 48°30,41'W

Danger line, lower depth 4,7m.

Insert(danger line) joining positions:
01°23,65'S 48°30,52'W
01°23,65'S 48°30,44'W
01°23,70'S 48°30,47'W
01°23,79'S 48°30,48'W
01°23,79'S 48°30,52'W

Danger line, lower depth 4,5m.

Insert (danger line) joining positions:
01°25,76'S 48°30,20'W
01°25,77'S 48°30,17'W
01°25,86'S 48°30,09'W
01°25,68'S 48°30,00'W
01°25,68'S 48°29,93'W
01°25,80'S 48°29,96'W
01°25,87'S 48°30,03'W
01°26,01'S 48°30,10'W
01°25,86'S 48°30,20'W
01°25,80'S 48°30,21'W

Danger line, lower depth 4,8m.

Insert(danger line) joining positions:
01°27,00'S 48°30,23'W
01°26,95'S 48°30,14'W
01°26,87'S 48°30,04'W
01°26,88'S 48°30,03'W
01°26,93'S 48°30,06'W
01°27,02'S 48°30,19'W

Danger line, lower depth 3,0m.

Insert (danger line) joining positions:
01°29,05'S 48°30,75'W
01°29,05'S 48°30,81'W
01°28,85'S 48°31,01'W
01°28,50'S 48°31,23'W
01°28,22'S 48°31,30'W
01°27,66'S 48°31,32'W
01°27,05'S 48°31,28'W
01°27,55'S 48°31,27'W
01°28,17'S 48°31,24'W
01°28,57'S 48°31,13'W
01°28,74'S 48°31,04'W

Danger line, lower depth 1,2m.

Insert (danger line) joining positions:
01°28,78'S 48°29,97'W
01°28,66'S 48°29,83'W
01°28,67'S 48°29,44'W
01°28,72'S 48°29,22'W
01°28,91'S 48°29,59'W

Danger line, lower depth 2,4m.

Insert (danger line) joining positions:
01°29,02'S 48°30,45'W
01°28,91'S 48°30,65'W
01°28,68'S 48°30,80'W
01°28,24'S 48°30,91'W
01°28,15'S 48°30,89'W
01°28,47'S 48°30,76'W
01°28,94'S 48°30,42'W

Chart 320 Datum: WGS-84

Danger line, lower depth 4,5m.

Insert(danger line) joining positions:
01°23,357'S 48°30,584'W
01°23,222'S 48°30,512'W
01°23,262'S 48°30,413'W
01°22,956'S 48°30,235'W
01°22,750'S 48°30,029'W
01°23,565'S 48°30,413'W

Danger line, lower depth 4,7m.

Insert(danger line) joining positions:
01°23,650'S 48°30,520'W
01°23,650'S 48°30,440'W
01°23,700'S 48°30,470'W
01°23,790'S 48°30,480'W
01°23,790'S 48°30,520'W

Danger line, lower depth 4,5m.

Insert (danger line) joining positions:
01°25,760'S 48°30,200'W
01°25,770'S 48°30,170'W
01°25,860'S 48°30,090'W
01°25,680'S 48°30,000'W
01°25,680'S 48°29,930'W
01°25,800'S 48°29,960'W
01°25,870'S 48°30,030'W
01°26,010'S 48°30,100'W
01°25,860'S 48°30,200'W
01°25,800'S 48°30,210'W

Danger line, lower depth 4,8m.

Insert(danger line) joining positions:
01°26,998'S 48°30,225'W
01°26,949'S 48°30,136'W
01°26,868'S 48°30,044'W
01°26,878'S 48°30,031'W
01°26,926'S 48°30,064'W
01°27,021'S 48°30,186'W

Danger line, lower depth 3,0m.

Insert (danger line) joining positions:
01°29,054'S 48°30,751'W
01°29,054'S 48°30,811'W
01°28,854'S 48°31,014'W
01°28,504'S 48°31,225'W
01°28,223'S 48°31,296'W
01°27,661'S 48°31,323'W
01°27,048'S 48°31,279'W
01°27,547'S 48°31,270'W
01°28,170'S 48°31,239'W
01°28,566'S 48°31,131'W
01°28,736'S 48°31,044'W

Danger line, lower depth 1,2m.

Insert (danger line) joining positions:
01°28,776'S 48°29,967'W
01°28,660'S 48°29,829'W
01°28,670'S 48°29,444'W
01°28,721'S 48°29,222'W
01°28,912'S 48°29,594'W

Danger line, lower depth 2,4m.

Insert (danger line) joining positions:
01°29,020'S 48°30,450'W
01°28,910'S 48°30,650'W
01°28,680'S 48°30,800'W
01°28,240'S 48°30,910'W
01°28,150'S 48°30,890'W
01°28,470'S 48°30,760'W
01°28,940'S 48°30,420'W

I 39(P)/20 BRAZIL - AMAZON BASIN

Rio Jari - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 62 Q (23)

This Notice cancels Temporary I 212(T)/19

Chart 4203 Datum: WGS-84

Insert	(no.1)	01°00,351'S 52° 24,879'W
Insert	(no.2)	01°00,346'S 52° 24,954'W
Insert	(no.3)	00°59,449'S 52° 24,673'W
Insert	(no.4)	00°59,458'S 52° 24,736'W
Insert	(no.5)	00°58,368'S 52° 24,851'W
Insert	(no.6)	00°58,359'S 52° 24,906'W

Chart 4212 Datum: WGS-84

Insert	(no.1)	01°09,953'S 52° 00,012'W
Insert	(no.2)	01°10,023'S 52° 00,012'W
Insert	(no.3)	01°09,703'S 52° 01,112'W
Insert	(no.4)	01°09,733'S 52° 01,112'W
Insert	(no.5)	01°09,933'S 52° 02,262'W
Insert	(no.6)	01°09,983'S 52° 02,262'W

Chart 4213 Datum: WGS-84

Insert	(no.1)	01°12,633'S 52° 06,812'W
Insert	(no.2)	01°12,613'S 52° 06,872'W
Insert	(no.3)	01°11,403'S 52° 06,432'W
Insert	(no.4)	01°11,373'S 52° 06,482'W

Chart 4214 Datum: WGS-84

Insert	(no.3)	01°11,403'S 52° 06,432'W
Insert	(no.4)	01°11,373'S 52° 06,482'W
Insert	(no.5)	01°10,893'S 52° 06,382'W
Insert	(no.6)	01°10,893'S 52° 06,432'W

Chart 4215 Datum: WGS-84

















Insert	 (no.1)	01°07,903'S 52° 11,692'W
Insert	 (no.2)	01°07,953'S 52° 11,702'W
Insert	 (no.3)	01°07,713'S 52° 12,552'W
Insert	 (no.4)	01°07,763'S 52° 12,552'W
Insert	 (no.5)	01°07,703'S 52° 13,052'W
Insert	 (no.6)	01° 07,753'S 52° 13,052'W
Insert	 (no.7)	01°07,733'S 52° 13,642'W
Insert	 (no.8)	01°07,783'S 52° 13,642'W
Insert	 (no.9)	01°07,733'S 52° 14,062'W
Insert	 (no.10)	01°07,783'S 52° 14,062'W
Insert	 (no.11)	01°07,683'S 52° 14,992'W
Insert	 (no.12)	01°07,743'S 52° 14,982'W
Insert	 (no.13)	01°07,893'S 52° 16,332'W
Insert	 (no.14)	01°07,953'S 52° 16,332'W
Insert	 (no.15)	01°07,753'S 52° 16,872'W
Insert	 (no.16)	01°07,803'S 52° 16,872'W

Chart 4216 Datum: WGS-84

Insert	 (no.1)	01°06,003'S 52° 20,423'W
Insert	 (no.2)	01°06,003'S 52° 20,453'W
Insert	 (no.3)	01°04,793'S 52° 20,433'W
Insert	 (no.4)	01°04,793'S 52° 20,463'W

Chart 4217 Datum: WGS-84

Insert	 (no.1)	01°00,351'S 52° 24,879'W
Insert	 (no.2)	01°00,346'S 52° 24,954'W
Insert	 (no.3)	00°59,449'S 52° 24,673'W
Insert	 (no.4)	00°59,458'S 52° 24,736'W

Insert  (no.5)

00°58,368'S 52° 24,851'W

Insert  (no.6)

00°58,359'S 52° 24,906'W

I 55(P)/20 BRAZIL - AMAZON BASIN

Rio Amazonas - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 36 K (1)

This Notice cancels Preliminary I 97(P)/19

Chart 204 Datum: WGS-84

Danger line, lower depth 1,8m

Insert (danger line) joining positions:

00°06,58'N 50°53,14'W
00°07,02'N 50°51,68'W
00°07,40'N 50°51,81'W
00°07,28'N 50°52,59'W
00°06,98'N 50°53,58'W
00°06,71'N 50°54,10'W
00°05,11'N 50°55,33'W
00°04,92'N 50°54,92'W
00°06,04'N 50°53,98'W
00°06,58'N 50°53,14'W

Insert 1_8

00°05,43'N 50°54,85'W

Danger line, lower depth 8,1m

Insert (danger line) joining positions:

00°04,78'N 50°57,87'W
00°04,69'N 50°57,74'W
00°05,42'N 50°56,96'W
00°05,36'N 50°57,62'W
00°04,78'N 50°57,87'W

Insert 8_1

00°05,23'N 50°57,30'W

Danger line, lower depth 4,4m

Insert (danger line) joining positions:

00°00,34'S 50°57,74'W
00°00,34'N 50°59,05'W
00°02,90'N 50°57,69'W
00°04,59'N 50°55,89'W
00°04,39'N 50°55,47'W
00°01,43'N 50°56,43'W
00°00,34'S 50°57,74'W

Insert 4_4

00°01,30'N 50°57,91'W

Danger line, lower depth 1,9m

Insert (danger line) joining positions:

00°06,98'N 50°53,58'W
00°06,65'N 50°54,11'W
00°06,58'N 50°53,14'W
00°07,02'N 50°51,68'W
00°07,40'N 50°51,81'W
00°07,28'N 50°52,58'W
00°06,98'N 50°53,58'W

Insert 1_9

00°06,91'N 50°52,79'W

Danger line, lower depth 6,4m

Insert (danger line) joining positions: 00°05,36'N 50°57,62'W
00°06,01'N 50°57,03'W
00°06,67'N 50°55,87'W
00°06,55'N 50°55,76'W
00°04,69'N 50°57,74'W
00°04,78'N 50°57,87'W
00°05,36'N 50°57,62'W

Insert 6₄ 00°06,04'N 50°56,65'W

Danger line, lower depth 9m

Insert (danger line) joining positions: 00°05,00'N 50°57,77'W
00°04,78'N 50°57,87'W
00°04,69'N 50°57,74'W
00°05,00'N 50°57,41'W
00°05,00'N 50°57,77'W

Insert 9 00°04,94'N 50°57,62'W

Danger line, lower depth 8,7m

Insert (danger line) joining positions: 00°00,83'S 51°00,31'W
00°00,89'S 51°00,16'W
00°02,25'S 51°00,10'W
00°02,80'S 51°00,30'W
00°03,09'S 51°00,72'W
00°03,28'S 51°01,49'W
00°03,15'S 51°01,61'W
00°00,83'S 51°00,31'W

Insert 8₇ 00°01,85'S 51°00,60'W

Chart 242 Datum: WGS-84

Danger line, lower depth 8,1m

Insert (danger line) joining positions: 00°04,78'N 50°57,87'W
00°04,69'N 50°57,74'W
00°05,00'N 50°57,42'W
00°05,00'N 50°57,78'W
00°04,78'N 50°57,87'W

Danger line, lower depth 4,4m

Insert (danger line) joining positions: 00°00,34'S 50°57,74'W
00°00,34'N 50°59,05'W
00°02,90'N 50°57,69'W
00°04,59'N 50°55,89'W
00°04,39'N 50°55,47'W
00°01,43'N 50°56,43'W
00°00,34'S 50°57,74'W

Insert 4₄ 00°01,30'N 50°57,91'W

Danger line, lower depth 5,1m

Insert (danger line) joining positions: 00°07,79'S 51°03,08'W
00°05,30'S 51°02,35'W
00°05,42'S 51°02,01'W
00°07,89'S 51°02,92'W
00°07,79'S 51°03,08'W

Insert 5₁ 00°06,69'S 51°02,63'W

Danger line, lower depth 8,7m

Insert (danger line) joining positions: 00°00,83'S 51°00,31'W
00°00,89'S 51°00,16'W
00°02,25'S 51°00,10'W
00°02,80'S 51°00,30'W

00°03,09'S 51°00,72'W
00°03,28'S 51°01,49'W
00°03,15'S 51°01,61'W
00°00,83'S 51°00,31'W

Insert 8₇

00°01,85'S 51°00,60'W

Danger line, lower depth 12,3m

Insert (danger line) joining positions:

00°07,08'S 51°00,45'W
00°07,90'S 51°00,91'W
00°08,81'S 51°01,22'W
00°09,74'S 51°01,61'W
00°09,01'S 51°01,57'W
00°07,57'S 51°00,93'W
00°07,04'S 51°00,59'W
00°07,08'S 51°00,45'W

Insert 12₃

00°07,45'S 51°00,68'W

Chart 4101A Datum: WGS-84

Danger line, lower depth 5,1m

Insert (danger line) joining positions:

00°07,79'S 51°03,08'W
00°05,30'S 51°02,35'W
00°05,42'S 51°02,01'W
00°07,89'S 51°02,92'W
00°07,79'S 51°03,08'W

Insert 5₁

00°06,69'S 51°02,63'W

Danger line, lower depth 8,7m

Insert (danger line) joining positions:

00°00,83'S 51°00,31'W
00°00,89'S 51°00,16'W
00°02,25'S 51°00,10'W
00°02,80'S 51°00,30'W
00°03,09'S 51°00,72'W
00°03,28'S 51°01,49'W
00°03,15'S 51°01,61'W
00°00,83'S 51°00,31'W

Insert 8₇

00°01,85'S 51°00,60'W

Danger line, lower depth 12,3m

Insert (danger line) joining positions:

00°07,08'S 51°00,45'W
00°07,90'S 51°00,91'W
00°08,81'S 51°01,22'W
00°09,74'S 51°01,61'W
00°09,01'S 51°01,57'W
00°07,57'S 51°00,93'W
00°07,04'S 51°00,59'W
00°07,08'S 51°00,45'W

Insert 12₃

00°07,45'S 51°00,68'W

Chart 21300 (INT 4196) Datum: WGS-84

Danger line, lower depth 1,8m

Insert (danger line) joining positions:

00°06,6'N 50°53,1'W
00°07,0'N 50°51,7'W
00°07,4'N 50°51,8'W
00°07,3'N 50°52,6'W
00°07,0'N 50°53,6'W
00°06,7'N 50°54,1'W
00°05,1'N 50°55,3'W
00°04,9'N 50°54,9'W
00°06,0'N 50°54,0'W
00°06,6'N 50°53,1'W

Insert	1 ₈	00°05,4'N 50°54,9'W
Danger line, lower depth 8,1m		
Insert	..... (danger line) joining positions:	00°04,8'N 50°57,9'W 00°04,7'N 50°57,7'W 00°05,4'N 50°57,0'W 00°05,4'N 50°57,6'W 00°04,8'N 50°57,9'W
Insert	8 ₇	00°05,2'N 50°57,3'W
Danger line, lower depth 4,4m		
Insert	..... (danger line) joining positions:	00°00,3'S 50°57,7'W 00°00,3'N 50°59,1'W 00°02,9'N 50°57,7'W 00°04,6'N 50°55,9'W 00°04,4'N 50°55,5'W 00°01,4'N 50°56,4'W 00°00,3'S 50°57,7'W
Insert	4 ₄	00°01,3'N 50°57,9'W
Danger line, lower depth 5,1m		
Insert	..... (danger line) joining positions:	00°07,8'S 51°03,1'W 00°05,3'S 51°02,4'W 00°05,4'S 51°02,0'W 00°07,9'S 51°02,9'W 00°07,8'S 51°03,1'W
Insert	5 ₇	00°06,7'S 51°02,6'W
Danger line, lower depth 1,9m		
Insert	..... (danger line) joining positions:	00°07,0'N 50°53,6'W 00°06,7'N 50°54,1'W 00°06,6'N 50°53,1'W 00°07,0'N 50°51,7'W 00°07,4'N 50°51,8'W 00°07,3'N 50°52,6'W 00°07,0'N 50°53,6'W
Insert	1 ₉	00°06,9'N 50°52,8'W
Danger line, lower depth 6,4m		
Insert	..... (danger line) joining positions:	00°05,4'N 50°57,6'W 00°06,0'N 50°57,0'W 00°06,7'N 50°55,9'W 00°06,6'N 50°55,8'W 00°04,7'N 50°57,7'W 00°04,8'N 50°57,9'W 00°05,4'N 50°57,6'W
Insert	6 ₄	00°06,0'N 50°56,7'W
Danger line, lower depth 8,7m		
Insert	..... (danger line) joining positions:	00°00,8'S 51°00,3'W 00°00,9'S 51°00,2'W 00°02,3'S 51°00,1'W 00°02,8'S 51°00,3'W 00°03,1'S 51°00,7'W 00°03,3'S 51°01,5'W 00°03,2'S 51°01,6'W 00°00,8'S 51°00,3'W
Insert	8 ₇	00°01,85'S 51°00,60'W

Danger line, lower depth 12,3m

Insert (danger line) joining positions:

00°07,1'S 51°00,5'W
00°07,9'S 51°00,9'W
00°08,8'S 51°01,2'W
00°09,7'S 51°01,6'W
00°09,0'S 51°01,6'W
00°07,6'S 51°00,9'W
00°07,0'S 51°00,6'W
00°07,1'S 51°00,5'W

Insert 12₃

00°07,5'S 51°00,7'W

Danger line, lower depth 9m

Insert (danger line) joining positions:

00°05,0'N 50°57,8'W
00°04,8'N 50°57,9'W
00°04,7'N 50°57,7'W
00°05,0'N 50°57,4'W
00°05,0'N 50°57,8'W

Insert 9

00°04,9'N 50°57,6'W

I 65(P)/20 BRAZIL - AMAZON BASIN

Rio Amazonas - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 4028 Datum: WGS-84


Insert 

02°50,20'S 058°05,24'W


I 108(P)/20 BRAZIL - AMAZON BASIN

Rio Madeira - Buoyage

Chart 4734 Datum: WGS-84

Delete  Km 578,5

06°14,94'S 61°52,91'W

Insert  Km 580

06°14,77'S 61°53,67'W

I 112(P)/20 **BRAZIL - AMAZON BASIN**

Rio Madeira - Spoil Ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pág. 52 N (62.1)

Chart 4738 Datum: WGS-84

Insert 

06°37,50'S 62°20,66'W
06°37,43'S 62°20,58'W
06°38,37'S 62°20,09'W
06°38,37'S 62°20,19'W

Chart 4740 Datum: WGS-84

Insert 

06°56,80'S 62°40,29'W
06°56,56'S 62°40,16'W
06°56,59'S 62°40,12'W
06°56,80'S 62°40,23'W

Chart 4741 Datum: WGS-84

Insert 

06°58,95'S 62°41,45'W
06°58,98'S 62°41,40'W
06°56,56'S 62°40,16'W
06°56,59'S 62°40,12'W

Chart 4742 Datum: WGS-84

Insert 

07°05,60'S 62°51,48'W
07°05,63'S 62°51,43'W
07°06,36'S 62°52,18'W
07°06,32'S 62°52,21'W

Chart 4743 Datum: WGS-84

Insert 

07°16,50'S 62°56,04'W
07°16,54'S 62°55,85'W
07°17,43'S 62°55,99'W
07°18,69'S 62°56,70'W
07°18,16'S 62°56,60'W
07°17,40'S 62°56,18'W

Insert 

07°21,63'S 62°58,34'W
07°23,50'S 62°59,42'W
07°23,49'S 62°59,60'W
07°21,64'S 62°58,56'W

Chart 4744 Datum: WGS-84

Insert 

07°30,24'S 63°00,87'W
07°30,23'S 63°00,84'W
07°28,74'S 63°01,08'W
07°28,74'S 63°01,10'W

Insert 

07°23,50'S 62°59,42'W
07°23,49'S 62°59,60'W
07°23,00'S 62°59,32'W
07°23,00'S 62°59,11'W

Chart 4745 Datum: WGS-84


Insert 

07°41,87'S 62°55,87'W
07°41,70'S 62°55,87'W
07°41,02'S 62°55,57'W
07°40,86'S 62°55,57'W

Insert 

07°46,31'S 62°56,06'W
07°46,28'S 62°55,95'W
07°47,60'S 62°55,41'W
07°47,60'S 62°55,52'W

Chart 4746 Datum: WGS-84

Insert 

07°49,10'S 62°54,79'W
07°49,15'S 62°54,89'W
07°46,90'S 62°55,81'W
07°46,90'S 62°55,69'W

Chart 4748 Datum: WGS-84



08°10,73'S 63°05,03'W
08°10,75'S 63°05,02'W
08°10,77'S 63°03,97'W
08°10,74'S 63°03,97'W

Chart 4750 Datum: WGS-84



08°15,93'S 63°22,62'W
08°15,95'S 63°22,51'W
08°17,58'S 63°22,59'W
08°17,54'S 63°22,70'W

Chart 4752 Datum: WGS-84



08°34,27'S 63°41,97'W
08°34,32'S 63°41,95'W
08°33,94'S 63°40,89'W
08°33,89'S 63°40,90'W

Chart 4753 Datum: WGS-84



08°37,45'S 63°49,50'W
08°37,50'S 63°49,50'W
08°37,45'S 63°49,20'W
08°37,39'S 63°49,21'W

I 113(T)/20 BRAZIL - AMAZON BASIN

Rio Amazonas - Hulk

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, p. 26 F (34)

Valid until: 06-03-2024

Chart 4032 Datum: WGS-84



03°07,06'S 59°54,46'W

Chart 4032A Datum: WGS-84



03°07,06'S 59°54,46'W

ATLAS 4150 (Chart HS-A1) Datum: WGS-84



03°07,06'S 59°54,46'W

I 117(P)/20 BRAZIL - AMAZON BASIN

Rio Madeira - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (14)

Chart 4738 Datum: WGS-84

Delete	1 ₇	06°38,15'S 62°20,27'W
	6 ₈	06°37,93'S 62°20,42'W
	13 ₂	06°37,69'S 62°20,55'W
	8	06°37,35'S 62°20,60'W
Insert	6 ₇	06°37,35'S 62°20,63'W
	3 ₆	06°37,70'S 62°20,57'W
	1 ₇	06°37,93'S 62°20,41'W
	0 ₃	06°38,14'S 62°20,28'W
	0 ₃	06°37,99'S 62°20,57'W
	1 ₃	06°38,06'S 62°20,44'W

Chart 4749 Datum: WGS-84

Delete	5 ₈	08°15,60'S 63°22,25'W
	9 ₇	08°15,24'S 63°22,26'W
	6 ₅	08°14,98'S 63°22,12'W
	4	08°15,09'S 63°21,97'W
Insert	1 ₃	08°15,03'S 63°21,96'W
	5	08°14,96'S 63°22,10'W
	0 ₁	08°15,26'S 63°22,25'W
	0 ₆	08°15,57'S 63°22,26'W

Chart 4750 Datum: WGS-84

Delete	1 ₄	08°17,29'S 63°22,71'W
	5 ₈	08°15,60'S 63°22,25'W
	7	08°15,40'S 63°22,37'W
	9 ₇	08°15,24'S 63°22,26'W
	6 ₅	08°14,98'S 63°22,12'W
	4	08°15,09'S 63°21,97'W
	3 ₄	08°17,55'S 63°22,84'W
Insert	1 ₃	08°15,03'S 63°21,96'W
	5	08°14,96'S 63°22,10'W
	0 ₁	08°15,26'S 63°22,25'W
	0 ₆	08°15,44'S 63°22,31'W
	0 ₆	08°15,57'S 63°22,26'W
	0 ₉	08°17,28'S 63°22,70'W
	2 ₃	08°17,55'S 63°22,84'W

I 118(P)/20 BRAZIL - AMAZON BASIN

Canal Grande do Curuá - Danger line

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1)

Existence of depths less than 9 meters

Chart 221 Datum: WGS-84

Insert (danger line), joining positions: 00°55,44'N 49°46,96'W
00°56,67'N 49°46,06'W
00°56,19'N 49°45,45'W
00°54,96'N 49°46,26'W

Chart 21300 (INT 4196) Datum: WGS-84

Insert (danger line), joining positions: 00°55,4'N 49°47,0'W
00°56,7'N 49°46,1'W
00°56,2'N 49°45,5'W
00°55,0'N 49°46,3'W

I 119(P)/20 BRAZIL - AMAZON BASIN


Rio Negro - Rocks

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 36 K (13)

Chart 4032 Datum: WGS-84

Insert  03°10,52'S 60°00,59'W

Chart 4032A Datum: WGS-84

Insert  03°10,52'S 60°00,59'W

ATLAS 4150 (Chart HS-A1) Datum: WGS-84

Insert  03°10,52'S 60°00,59'W

I 124(T)/20 BRAZIL - AMAZON BASIN

Rio Solimões - Hulk

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 26 F (34)

Valid until: 29-07-2023

ATLAS 4150 (Chart HS-A4) Datum: WGS-84

Insert  F.A 03°18,37'S 60°36,99'W

I 125(T)/20 BRAZIL - AMAZON BASIN

Rio Negro - Hulk

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 26 F (34)

Valid until: 14-01-2024

Chart 4032A Datum: WGS-84

Insert  F.Y 03°05,91'S 60°04,50'W

ATLAS 4150 (Chart HS-A1) Datum: WGS-84

Insert  F.A 03°05,91'S 60°04,50'W

I 126(P)/20 BRAZIL - AMAZON BASIN


Rio Negro - Rocks

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 36 K (11)

Chart 4032 Datum: WGS-84

Insert  03°10,45'S 60°00,70'W

Chart 4032A Datum: WGS-84

Insert  03°10,45'S 60°00,70'W

ATLAS 4150 (Chart HS-A1) Datum: WGS-84

Insert  03°10,45'S 60°00,70'W

I 131(P)/20 BRAZIL - AMAZON BASIN

Rio Pará - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 304 Datum: WGS-84

Delete  Fl(3)W.10s8m7M 01°22,60'S 48°38,57'W

Chart 305 Datum: WGS-84

Delete  Fl.W.6s15m12M 01°36,96'S 49°08,88'W

Chart 305 (Plan) Datum: WGS-84

Delete  Fl.W.6s15m12M 01°36,96'S 49°08,88'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

Nil.

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:

*** N 94(P)/04 BRAZIL - RIO MOSSORÓ**

Porto de Areia Branca - Existence of silting up

Charts 703 - 720

Mariners should navigate in fairway to port of Areia Branca only if fully acquainted with it, due existence of silting up and inexistence of official buoyage in the referred channel.

This Notice cancels Radio Warning N 7288/01.

*** N 154(P)/10 SOUTH ATLANTIC - BRAZIL - NORTH COAST**

Ponta Grande vicinity - Depths and isobathy

Source: Coastal Planning & Engineering do Brasil

Reference: Chart 12000 - Symbols, Abbreviations and Terms (3rd ed. 2008) pg. 34 I (10)

These changes will be included in the next New Edition (NE) of Chart 414

Chart 414 Datum: WGS-84

Insert (pencil)	depth 2 ₅	02° 36'.840 S	44° 21'.950 W
Delete (pencil)	10m contour	02° 36'.616 S	44° 22'.033 W
		02° 37'.266 S	44° 21'.966 W
	10m contour enclosing depth 7 ₅	02° 37'.113 S	44° 22'.024 W
	depth 13 ₃	02° 36'.945 S	44° 22'.041 W
	depth 11 ₆	02° 37'.026 S	44° 21'.961 W
	depth 14 ₇	02° 37'.179 S	44° 21'.942 W
Insert (pencil)	10m contour, joining the positions	02° 36'.616 S	44° 22'.033 W
		02° 36'.750 S	44° 22'.066 W
		02° 36'.900 S	44° 22'.083 W
		02° 37'.116 S	44° 22'.050 W
		02° 37'.266 S	44° 21'.966 W

N 142(P)/14 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Porto de Mucuripe - Depth

Chart 701 Datum: WGS-84

Insert	1 ₇	3°41,760'S 38°31,700'W
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*** N 151(P)/16 SOUTH ATLANTIC - BRAZIL - NORTH COAST**

Baía de São Marcos - Small lighthouse

Chart 410 Datum: WGS-84

Small lighthouse destroyed

02°33,7'S 43°55,8'W

Chart 21600 (INT 2109) Datum: WGS-84

Small lighthouse destroyed

02°33,7'S 43°55,8'W

*** N 79(P)/17 SOUTH ATLANTIC - BRAZIL - NORTH COAST**

Mouth of Rio Calçoene - Calçoene Light

This Notice cancels Preliminary N 164(P)/16

Chart 21010 (INT 4071) Datum: WGS-84

Delete



Fl.W.13M

02°30,4'N 50°48,4'W

Chart 21200 (INT 4195) Datum: WGS-84

Delete



Farol Calçoene
Fl.W.3s24m13M

02°30,4'N 50°48,4'W

N 62(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ilha do Medo - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 10 (INT 407) Datum: Córrego Alegre - MG

Delete



02°31,3'S 44°21,9'W

Chart 410 Datum: WGS-84

Delete



Lp(3)B.15s60m25M

02°31,35'S 44°21,93'W

Chart 411 Datum: WGS-84

Delete



Lp(3)B.15s60m25M

02°31,35'S 44°21,93'W

Chart 412 Datum: WGS-84

Delete



Lp(3)B.15s60m25M

02°31,35'S 44°21,93'W

Chart 413 Datum: WGS-84

Delete



Fl(3)W.15s60m25M

02°31,345'S 44°21,928'W

Chart 21020 (INT 2003) Datum: WGS-84

Delete



Fl(3)W.25M

02°31,3'S 44°21,9'W

Chart 21600 (INT 2109) Datum: WGS-84

Delete



Fl(3)W.15s60m25M

02°31,3'S 44°21,9'W

N 64(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Cabo Gurupi - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 10 (INT 407) Datum: Córrego Alegre - MG

Delete  00°54,6'S 46°11,3'W

Chart 21010 (INT 4071) Datum: WGS-84

Delete  FI(2)W.15M 00°54,6'S 46°11,3'W

Chart 21020 (INT 2003) Datum: WGS-84

Delete  FI(2)W.15M 00°54,6'S 46°11,3'W

Chart 21500 (INT 2108) Datum: WGS-84

Delete  FI(2)W.15s41m15M 00°54,6'S 46°11,3'W

N 76(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ilha Mangunça - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

This Notice cancels Preliminary N 152(P)/16

Chart 10 (INT 407) Datum: Córrego Alegre - MG

Delete  01°36,9'S 44°39,2'W

Chart 21020 (INT 2003) Datum: WGS-84

Delete  FI. W. 28M 01°36,9'S 44°39,2'W

Chart 21500 (INT 2108) Datum: WGS-84

Delete  FI. W. 10s46m28M 01°36,9'S 44°39,2'W

Chart 21600 (INT 2109) Datum: WGS-84

Delete  Farol Mangunça
FI. W.10s46m28M 01°36,9'S 44°39,2'W

N 89(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Baía de São Marcos - Danger Line

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pp. 31 I (10) and 36 K (1)

Chart 410 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°35,25'S 44°25,70'W
02°35,25'S 44°25,27'W
02°35,75'S 44°25,27'W
02°35,75'S 44°25,70'W

Insert δ_4 02°35,44'S 44°25,30'W

Chart 412 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°35,25'S 44°25,70'W
02°35,25'S 44°25,27'W
02°35,50'S 44°25,27'W
02°35,50'S 44°25,70'W

Insert δ_4 02°35,44'S 44°25,30'W

Chart 413 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert (danger line), joining positions: 02°35,250'S 44°25,700'W
02°35,250'S 44°25,270'W
02°35,750'S 44°25,270'W
02°35,750'S 44°25,700'W

Insert δ_4 02°35,439'S 44°25,303'W

N 102(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

North of Ponta da Mutuoca - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, p. 38 K (28)

Chart 21020 (INT 2003) Datum: WGS-84

Insert  01°11,0'S 45°16,0'W

Chart 21500 (INT 2108) Datum: WGS-84

Insert  01°11,00'S 45°16,00'W

N 160(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Salinópolis - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 70 S (10)

Chart 10 (INT 407) Datum: Córrego Alegre-MG

Delete  Racon 00°37,1'S 47°21,3'W

Chart 302 Datum: WGS-84

Delete  Racon (K) 00°37,06'S 47°21,32'W

Chart 19001 (INT 20) Datum: Córrego Alegre-MG

Delete  Racon 00°37,1'S 47°21,3'W

Chart 19002 (INT 22) Datum: Córrego Alegre-MG

Delete  Racon 00°37,1'S 47°21,3'W


Chart 21010 (INT 4071) Datum: WGS-84

Delete Racon 00°37,1'S 47°21,3'W

Chart 21020 (INT 2003) Datum: WGS-84

Delete  Racon 00°37,1'S 47°21,3'W

Chart 21400 (INT 4197) Datum: WGS-84

Delete  Racon (K) 00°37,1'S 47°21,3'W

N 173(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ponta de Mucuripe - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 701 Datum: WGS-84


Delete  Fte. Praia do Futuro
Lp.B.10s11m5M 03°42,320'S 38°27,632'W

Chart 710 Datum: WGS-84

Delete  Lp.B.10s11m5M 03°42,32'S 38°27,63'W

Chart 21800 (INT 2111) Datum: WGS-84

Delete  Fl.W.10s11m5M 03°42,3'S 38°27,6'W

N 174(P)/18 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ponta Caiçaras - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1) and 61 Q (9)

Chart 21900 (INT 2112) Datum: WGS-84

Delete  *Fl (2)W.10s2M*

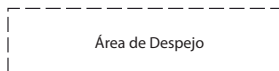
05°03,4'S 36°03,3'W

N 107(P)/19 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Baía de São Marcos vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)


Chart 410 Datum: WGS-84

Insert 

01°48,17'S 043°52,36'W
01°48,29'S 043°52,12'W
01°46,90'S 043°51,36'W
01°46,77'S 043°51,59'W

Insert 

01°57,99'S 044°02,90'W
01°58,21'S 044°02,75'W
01°56,50'S 044°00,14'W
01°56,27'S 044°00,28'W

Insert 

02°21,75'S 044°18,98'W
02°21,90'S 044°18,75'W
02°22,23'S 044°18,97'W
02°22,08'S 044°19,19'W

Chart 411 Datum: WGS-84

Insert 

02°21,75'S 044°18,98'W
02°21,90'S 044°18,75'W
02°22,23'S 044°18,97'W
02°22,08'S 044°19,19'W

N 157(P)/19 NORTH ATLANTIC - BRAZIL - NORTH COAST

Baia do Oiapoque - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^a ed., 2014, p. 53 P (1) and 58 P (40.1) (43)

Chart 110 Datum: Córrego Alegre - MG

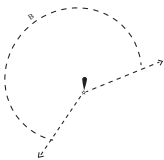

Delete  Lp(2)B.15s50m18M 04°25,86'N 51°32,52'W

Chart 21010 (INT 4071) Datum: WGS-84

Delete  FI(2)W.18M 04°25,9'N 51°32,6'W

Chart 21100 (INT 4194) Datum: WGS-84

Delete  FI(2)W.15s50m18M 04°25,9'N 51°32,6'W

N 179(P)/19 NORTH ATLANTIC - BRAZIL - NORTH COAST

Baia do Oiapoque - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^a ed., 2014, p. 53 P (1) and 58 P (40.1 and 43)

This Notice cancels Preliminary N 157(P)/19

Chart 1 Datum: WGS-84

Delete  04°25,9'N 51°32,6'W

Chart 10 Datum: WGS-84

Delete  04°25,9'N 51°32,6'W

Chart 110 Datum: Córrego Alegre - MG

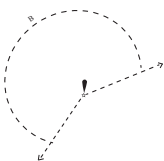

Delete  Lp(2)B.15s50m18M 04°25,86'N 51°32,52'W

Chart 21010 (INT 4071) Datum: WGS-84

Delete  FI(2)W.18M 04°25,9'N 51°32,6'W

Chart 21100 (INT 4194) Datum: WGS-84

Delete  FI(2)W.15s50m18M 04°25,9'N 51°32,6'W

N 21(P)/20 SOUTH ATLANTIC - BRASIL - NORTH COAST

Porto de Mucuripe - Buoyage

Reference: Chart 12000 - Symbols, Abbreviations and Terms, pg. 67 Q (130.4)

This Notice cancels Temporary N 18(T)/16

Chart 701 Datum: WGS-84

Insert  *Lp(2)B.5s5M* 03°41,910'S 38°30,380'W

Chart 710 Datum: WGS-84

Insert  *Lp(2)B.5s5M* 03°41,91'S 38°30,38'W

N 22(P)/20 NORTH ATLANTIC - BRASIL - NORTH COAST

East of Ponta de Cambu - Wreck

Reference: Chart 12000 - Symbols, Abbreviations and Terms, pg. 38 K (28)

This Notice cancels Temporary N 148(T)/15

Chart 21010 (INT 4071) Datum: WGS-84

Insert  03°13,5'N 50°45,0'W

Chart 21100 (INT 4194) Datum: WGS-84

Insert  03°13,5'N 50°45,0'W

N 23(P)/20 SOUTH ATLANTIC - BRASIL - NORTH COAST

East of Fortaleza - Wreck

Reference: Chart 12000 - Symbols, Abbreviations and Terms, pg. 38 K (28)

This Notice cancels Temporary N 149(T)/15

Chart 21900 (INT 2112) Datum: WGS-84

Insert  03°49,7'S 37°50,5'W

N 24(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Northeast of Ponta da Praia Grande - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

This Notice cancels Temporary N 191(T)/15

Chart 21500 (INT 2108) Datum: WGS-84

Insert



01°02,3'S 45°23,2'W

N 25(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Northeast of Cabo Norte - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 31 I (10)

This Notice cancels Temporary N 26(T)/13

Chart 21010 (INT 4071) Datum: WGS-84

Danger line, lower depth 13,5m.

Insert (danger line), joining positions:

02°45,6'N 49°27,5'W
02°52,1'N 49°27,5'W
02°52,1'N 49°21,7'W
02°45,6'N 49°21,7'W

Chart 21100 (INT 4194) Datum: WGS-84

Danger line, lower depth 13,5m.

Insert (danger line), joining positions:

02°45,6'N 49°27,5'W
02°52,1'N 49°27,5'W
02°52,1'N 49°21,7'W
02°45,6'N 49°21,7'W

Chart 21200 (INT 4195) Datum: WGS-84

Danger line, lower depth 13,5m.

Insert (danger line), joining positions:

02°45,6'N 49°27,5'W
02°52,1'N 49°27,5'W
02°52,1'N 49°21,7'W
02°45,6'N 49°21,7'W

N 28(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Porto de Mucuripe - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

This Notice cancels Preliminary N 221(P)/19 and N 229(P)/19

Chart 701 Datum: WGS-84

Insert



03°43,141'S 38°30,694'W
03°43,070'S 38°30,682'W
03°43,248'S 38°30,263'W
03°43,374'S 38°30,322'W
03°43,257'S 38°30,548'W
03°43,242'S 38°30,540'W
03°43,167'S 38°30,686'W

Insert



03°43,431'S 38°30,174'W
03°43,364'S 38°30,275'W
03°43,295'S 38°30,248'W
03°43,404'S 38°29,659'W
03°43,480'S 38°29,682'W
03°43,499'S 38°29,706'W
03°43,497'S 38°29,882'W

Chart 710 Datum: WGS-84

Insert



03°43,14'S 38°30,69'W
03°43,07'S 38°30,68'W
03°43,25'S 38°30,26'W
03°43,37'S 38°30,32'W
03°43,26'S 38°30,55'W
03°43,24'S 38°30,54'W
03°43,17'S 38°30,69'W

Insert



03°43,43'S 38°30,17'W
03°43,36'S 38°30,28'W
03°43,30'S 38°30,25'W
03°43,40'S 38°29,66'W
03°43,48'S 38°29,68'W
03°43,50'S 38°29,71'W
03°43,50'S 38°29,88'W

N 62(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ilha Tauá - Mirim vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 414 Datum: WGS-84

Insert



02°38,820'S 44°22,910'W
02°39,010'S 44°22,650'W
02°39,280'S 44°22,840'W
02°39,130'S 44°23,100'W

N 123(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH COAST

Ponta da Madeira vicinity - Dephts

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4a ed., 2014, pg. 31 I (10)

Chart 411 Datum: WGS-84

Delete	23 ₅	02°32,73'S 44°22,70'W
Delete	20 ₅	02°33,55'S 44°22,81'W
Insert	18 ₄	02°33,68'S 44°22,81'W
Insert	18 ₇	02°33,46'S 44°22,76'W
Insert	19 ₄	02°32,79'S 44°22,70'W

Chart 412 Datum: WGS-84

Delete	23 ₅	02°32,73'S 44°22,70'W
Delete	20 ₅	02°33,55'S 44°22,81'W
Delete	14 ₁	02°32,95'S 44°22,61'W
Insert	18 ₄	02°33,68'S 44°22,81'W
Insert	18 ₇	02°33,46'S 44°22,76'W
Insert	19 ₄	02°32,79'S 44°22,70'W
Insert	9 ₉	02°32,92'S 44°22,58'W

Chart 413 Datum: WGS-84

Delete	29 ₅	02°33,729'S 44°22,839'W
Delete	23 ₅	02°32,726'S 44°22,700'W
Delete	14 ₁	02°32,949'S 44°22,611'W
Insert	18 ₄	02°33,678'S 44°22,814'W
Insert	18 ₇	02°33,459'S 44°22,763'W
Insert	19 ₄	02°32,795'S 44°22,703'W
Insert	9 ₉	02°32,922'S 44°22,581'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

Nil.

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:*** E 97(P)/05 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Arquipélago dos Abrolhos - Near ilha de Santa Bárbara - Existence of rocks with known depths

Charts 1311 - 1310

Positions: a) 17° 57'.94 S 38° 42'.01 W f) 17° 58'.10 S 38° 42'.19 W
 b) 17° 57'.97 S 38° 42'.04 W g) 17° 57'.98 S 38° 42'.09 W
 c) 17° 58'.07 S 38° 42'.16 W h) 17° 57'.99 S 38° 42'.12 W
 d) 17° 58'.00 S 38° 41'.89 W i) 17° 58'.06 S 38° 41'.96 W
 e) 17° 58'.09 S 38° 41'.91 W (Coordinates in datum: WGS-84)

Existence of rocks with known depths of 4,8m, 5,9m, 7,1m, 7,2m, 7,9m, 6,9m, 6,1m, 7,5m and 7,6m, respectively in positions a) to i).

This Notice cancels Radio Warning E 4471/04.

*** E 105(P)/07 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Near Santa Bárbara and Redonda islands - Existence of underwater rock

Chart 1311

Position - 17° 57'.48 S 38° 42'.71 W
 Existence of dangerous underwater rock with uncertain depth in the position.

This Notice cancels Radio Warning E 4926/07.

*** E 126(P)/08 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Works on water - Hydraulic land fill

Chart 902

Olinda - Praia dos Milagres - Hydraulic land fill concluded in area among positions:

a) 08° 01'.67 S 34° 51'.05W d) 08° 01'.40 S 34° 51'.27W
 b) 08° 01'.40 S 34° 51'.12W e) 08° 01'.32 S 34° 51'.05W.
 c) 08° 01'.53 S 34° 51'.33W

*** E 127(P)/08 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Works on water - Breakwater

Chart 930

Pontal de Candeias - Recife vicinity - Breakwater constructed between positions:

a) 08° 11'.50 S 34° 54'.94 W b) 08° 11'.91 S 34° 54'.95 W.
 Submerged in high water springs.

*** E 161(P)/09 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Bacia de Campos - Existence of minor depth

Chart 1550

Existence of minor depth in position 22° 34'.04 S 40° 15'.05 W - 97 metres.

*** E 56/(P)/10 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Baia de Todos os Santos Parte Norte - Existence of pipeline

Chart 1106

Positions: 1) 12° 39'.26 S 38° 40'.15 W 4) 12° 41'.75 S 38° 40'.02 W
2) 12° 39'.20 S 38° 40'.10 W 5) 12° 41'.74 S 38° 40'.09 W and
3) 12° 39'.18 S 38° 40'.07 W 6) 12° 41'.74 S 38° 40'.11 W.

Existence of a pipeline between positions 1) to 3) and 4) to 6).

Chart 1110

Positions: 7) 12° 39'.38 S 38° 40'.00 W 10) 12° 41'.87 S 38° 39'.93 W
8) 12° 39'.33 S 38° 39'.95 W 11) 12° 41'.88 S 38° 39'.86 W and
9) 12° 39'.30 S 38° 39'.92 W 12) 12° 41'.87 S 38° 39'.76 W.

Existence of a pipeline between positions 7) to 9) and 10) to 12).

*** E 128(T)/10 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Baia de Todos os Santos - Canal Cotegipe - Light-buoys

Chart 1103

Special light-buoys with characteristic: LPA.2s signaling new evolution basin in Ports Terminal de Cotegipe Dow Brasil Nordeste and Miguel de Oliveira (Ford).

Insert
(pencil)

[Chart 12000 - Symbols, Abbreviations and Terms (3rd ed. 2008)
pages 68 Q (23) and 72 Q (130.1)]

12° 47'.15 S	38° 28'.89 W
12° 47'.07 S	38° 28'.85 W
12° 47'.03 S	38° 28'.81 W
12° 47'.02 S	38° 28'.76 W

This Notice cancels Radio Warning E 7019/10.

*** E 88(P)/11 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Ilha de Itaparica vicinity - Depth and depth contour

Source: Centro de Hidrografia da Marinha

Reference: Chart 12000 - Symbols, Abbreviations and Terms (3rd ed. 2008) pgs. 34 I (10) and 36 I (30)

These changes will be included in the next New Edition (NE) of Chart 1101

Chart 1101 Datum: C. Alegre

Insert depth 1₇ enclosed by 2m contour
(in pencil)

12° 57'.44 S 38° 35'.98 W

*** E 39(P)/12 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Baía de Todos os Santos - Breakwater and Floating

Source: Centro de Hidrografia da Marinha

Reference: Chart 12000 - Symbols, Abbreviations and Terms pgs. 20 D (a), 24 F (4.1) and 25 F (20).

This Notice cancels Preliminary Notice n° E 128(P)/08.

Chart n° 1101 Datum: C. Alegre

Insert the symbol of breakwater joining the positions
(in pencil)

12°54,85'S 38°29,47'W
12°54,98'S 38°29,48'W

* E 116(P)/13 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Caravelas - Depths

Chart 1312 Datum: WGS-84 (Last correction: 46/11)

Replace	4_5 with 1_1	17°46,10'S 39°11,99'W
	0_1 with 2_3	17°46,35'S 39°11,76'W
	2_5 with 0_6	17°46,44'S 39°11,73'W
	1_8 with 3_5	17°46,24'S 39°11,78'W
Cancel	the isobatic line 2 metres between positions:	segment 01: 17°46,21'S 39°11,79'W 17°46,75'S 39°11,57'W
		segment 02: 17°45,52'S 39°12,16'W 17°46,16'S 39°12,00'W
Cancel	the isobatic line 5 metres between positions:	17°45,69'S 39°12,04'W 17°46,26'S 39°11,94'W
Cancel	the isobatic line 10 metres between positions:	17°45,47'S 39°12,13'W 17°45,45'S 39°12,04'W
Redesign	the isobatic line 2 metres joining the positions:	segment 01: 17°46,21'S 39°11,79'W 17°46,34'S 39°11,74'W 17°46,38'S 39°11,78'W 17°46,46'S 39°11,76'W 17°46,57'S 39°11,71'W 17°46,70'S 39°11,64'W 17°46,75'S 39°11,57'W
		segment 02: 17°45,52'S 39°12,16'W 17°45,58'S 39°12,11'W 17°45,84'S 39°12,02'W 17°46,08'S 39°11,98'W 17°46,16'S 39°12,00'W
Redesign	the isobatic line 5 metres joining the positions:	17°45,69'S 39°12,04'W 17°45,79'S 39°11,95'W 17°46,09'S 39°11,97'W 17°46,26'S 39°11,94'W
Redesign	the isobatic line 10 metres joining the positions:	17°45,47'S 39°12,13'W 17°45,54'S 39°12,06'W 17°45,52'S 39°11,98'W 17°45,45'S 39°12,04'W

*** E 225(P)/14 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Baía de Todos os Santos - Bouyage

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pgs. 38 K (40) and 67 Q (130.4)

This Notice cancels Radio Warning E 9136/14

Chart 1107 Datum: Córrego Alegre

Insert  Obst 12°53,02'S 38°42,18'W


 *Lp (2) B. 5s* 12°53,01'S 38°42,16'W

Chart 1110 Datum: WGS-84

Insert  Obst 12°53,03'S 38°42,18'W

 *Lp (2) B. 5s* 12°53,02'S 38°42,16'W

Chart 1170 Datum: Córrego Alegre

Insert  Obst 12°53,020'S 38°42,180'W

 *Lp (2) B. 5s* 12°53,010'S 38°42,160'W

Chart 1171 Datum: WGS-84

Insert  Obst 12°53,030'S 38°42,180'W

 *Lp (2) B. 5s* 12°53,020'S 38°42,160'W

*** E 134(P)/15 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Enseada do Forno - Foul area

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (31)

Chart 1503 Datum: Córrego Alegre

Insert # 22°58,500'S 42°00,300'W

Chart 1505 Datum: Córrego Alegre

Insert # 22°58,500'S 42°00,300'W

*** E 156(P)/16 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Northeast of Olinda - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 930 Datum: WGS-84

Insert  07°58,37'S 34°46,2'W

Chart 21040 (INT 2005) Datum: WGS-84

Insert  07°58,4'S 34°46,2'W

Chart 22200 (INT 2115) Datum: WGS-84

Insert  07°58,4'S 34°46,2'W

E 11(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST

East of Baía de Vitória - Oceanic Data Acquisition System

Republished: (originally published in Notices to Mariners n° 02/17).

Chart 1401 Datum: WGS-84

Insert  *Lp(5) A. 20s* 20°19,000'S 40°15,000'W

*** E 67(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Enseada de Búzios - Ampliation of quay

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 25 F (14)

This Notice cancels Preliminary E 167(P)/14

Valid until: 26-04-2021

Chart 1504 Datum: WGS-84

Insert Works on water
22°44,873'S 041°52,962'W
22°44,880'S 041°52,957'W
22°44,850'S 041°52,923'W
22°44,853'S 041°52,917'W

*** E 71(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Pontal da Regência - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 1402 Datum: WGS-84

Insert  19°39,00'S 39°49,00'W

Chart 1420 Datum: WGS-84

Insert  19°39,00'S 39°49,00'W

*** E 127(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Bacia de Campos - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (29)

Chart 1403 Datum: WGS-84

Insert  21°52,90'S 40°13,40'W

Chart 1550 Datum: WGS-84

Insert  21°52,9'S 40°13,4'W

Chart 22900 (INT 2122) Datum: WGS-84

Insert  21°52,9'S 40°13,4'W

Chart 21060 (INT 2007) Datum: WGS-84

Insert  21°52,9'S 40°13,4'W

Chart 21070 (INT 2008) Datum: WGS-84

Insert  21°52,9'S 40°13,4'W

*** E 145(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Porto de Barra dos Coqueiros - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pp. 66 Q (130.1) and 67 Q (130.3)

Chart 1001 Datum: WGS-84

Insert  *R.(9)B.15s* 10°50,750'S 36°55,181'W

Insert  *Lp.V.3s* 10°50,646'S 36°55,393'W

Chart 1001 (Plan) Datum: WGS-84

Insert  *R.(9)B.15s* 10°50,750'S 36°55,181'W

Insert  *Lp.V.3s* 10°50,646'S 36°55,393'W

*** E 178(P)/17 SOUTH ATLANTIC - BRAZIL - EAST COAST**

Porto de Salvador - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 56 P (16)

Chart 1101 Datum: Córrego Alegre



Replace  *Lp. E. 3s 5M* with:  12°53,80'S 038°29,90'W

Chart 1110 Datum: WGS-84

Replace  *Lp. E. 3s 5M* with:  12°53,81'S 038°29,90'W

E 31(P)/18 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto do Cabedelo - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 66 Q (130.1)

Chart 830 Datum: WGS-84

Delete  *Lp. E. 3s
No 1* 06°56,44'S 34°49,35'W

Insert  *Lp. E. 5s
No 1* 06°56,26'S 34°48,99'W

Delete  *Lp. E. 3s
No 3* 06°56,85'S 34°50,03'W

Insert  *Lp. E. 3s
No 3* 06°56,43'S 34°49,35'W

Delete  *Lp. V. 3s
No 8* 06°57,24'S 34°50,45'W

Insert  *Lp. V. 3s
No 8* 06°56,80'S 34°49,87'W

Insert  *Lp. V. 3s
No 12* 06°57,35'S 34°50,55'W

Insert  *Lp. V. 3s
No 14* 06°57,70'S 34°50,62'W

Insert  *Lp. V. 3s
No 16* 06°57,90'S 34°50,62'W

E 78(P)/18 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto do Açú - Automatic Virtual Identification System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 70 S (18.2)

Chart 1405 Datum: WGS-84

AIS AtoN Virtual - For more information about the AtoN Virtual AIS service, consult the Operational Control Center of Porto do Açú.

Insert



21°48,100'S 40°59,000'W

E 104(P)/18 SOUTH ATLANTIC - BRAZIL - EAST COAST

Baía de Todos os Santos - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, p. 38 K (28)

Chart 1101 Datum: Córrego Alegre - MG

Insert



12°55,13'S 38°29,24'W

Chart 1110 Datum: WGS-84

Insert



12°55,14'S 38°29,24'W

E 176(P)/18 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Tubarão - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1402 Datum: WGS-84

Insert



with a circle of 0,81 nautical mile radius centered

20°20,71'S 40°11,40'W

Chart 1410 Datum: WGS-84

Insert



with a circle of 0,81 nautical mile radius centered

20°20,71'S 40°11,40'W

E 9(T)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1)

Chart 1101 Datum: Córrego Alegre

Move  Lp.E.3s


from: 12°57,13'S 38°30,64'W
to: 12°57,01'S 38°30,65'W

Chart 1102 Datum: WGS-84

Move  Lp.E.3s

from: 12°57,140'S 38°30,640'W
to: 12°57,020'S 38°30,650'W

Chart 1110 Datum: WGS-84

Move  Lp.E.3s


from: 12°57,14'S 38°30,64'W
to: 12°57,02'S 38°30,65'W

E 76(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Caravelas vicinity - Spoil ground


Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1310 Datum: Córrego Alegre

Insert  Área de Despejo

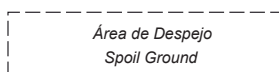
joining positions: 17°48,67'S 39°12,58'W
17°48,67'S 39°11,45'W
17°49,75'S 39°11,45'W
17°49,75'S 39°12,58'W

Chart 1312 Datum: WGS-84

Insert  Área de Despejo

joining positions: 17°48,69'S 39°12,58'W
17°48,69'S 39°11,45'W
17°49,77'S 39°11,45'W
17°49,77'S 39°12,58'W

Chart 22700 (INT 2120) Datum: WGS-84

Insert  Área de Despejo
Spoil Ground

joining positions: 17°48,7'S 39°12,6'W
17°48,7'S 39°11,5'W
17°49,8'S 39°11,5'W
17°49,8'S 39°12,6'W

E 79(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto do Açú - Implying non-permanent physical obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 48 N (1.2)

Chart 1405 Datum: WGS-84



Insert  joining positions: 21°50,075'S 40°59,678'W
21°49,963'S 40°59,307'W
21°50,040'S 40°59,283'W
21°50,153'S 40°59,651'W

Chart 1406 Datum: WGS-84


Insert  joining positions: 21°50,07'S 40°59,68'W
21°49,96'S 40°59,31'W
21°50,04'S 40°59,28'W
21°50,15'S 40°59,65'W

E 80(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Da Barra do Poxim à Ponta Cumuruxatiba - Spoil Ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 22600 (INT 2119) Datum: WGS-84

Insert  joining positions: 16°03,1'S 38°54,5'W
16°03,3'S 38°54,5'W
16°03,3'S 38°54,7'W
16°03,1'S 38°54,7'W

E 149(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Maceió - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 901 Datum: Córrego Alegre-MG



Insert  with a circle of 1 nautical mile radius centered 09°44,290'S 35°45,400'W

Chart 920 Datum: WGS-84


Insert  with a circle of 1 nautical mile radius centered 09°44,300'S 35°45,390'W

E 150(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Barra do Riacho vicinity - Spoil ground


Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1402 Datum: WGS-84

Insert  with a circle of 0,5 nautical mile radius centered 19°51,33'S 40°00,50'W

Insert  *Área de Despejo* 19°51,68'S 40°01,57'W
19°51,80'S 40°01,35'W
19°51,90'S 40°01,05'W
19°51,88'S 40°01,24'W

Chart 1420 Datum: WGS-84

Insert  with a circle of 0,5 nautical mile radius centered 19°51,33'S 40°00,50'W

Insert  *Área de Despejo*
Spoil Ground 19°51,68'S 40°01,57'W
19°51,80'S 40°01,35'W
19°51,90'S 40°01,05'W
19°51,88'S 40°01,24'W

E 182(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Ponta de Imbetiba Vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

This Notice cancels the Preliminary Notice E 88(P)/19.

Chart 1507 Datum: Córrego Alegre

Insert  *Área de Despejo* 22°24,397'S 41°45,401'W
22°24,089'S 41°45,054'W
22°24,622'S 41°44,495'W
22°25,064'S 41°44,982'W
22°24,605'S 41°45,311'W

E 204(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador vicinity - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, pg. 38 K (28)

Chart 1101 Datum: Córrego Alegre - MG

Insert  13°00,53'S 38°32,32'W

Chart 1102 Datum: WGS-84

Insert  13°00,543'S 38°32,322'W

Chart 1110 Datum: WGS-84

Insert  13°00,54'S 38°32,32'W

E 223(P)/19 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador - Dumping ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 52 N (62.1)

Chart 1101 Datum: WGS-84


Insert  with a circle of 4,0 nautical mile radius centered 13°09,00'S 38°25,00'W

Chart 1110 Datum: WGS-84



Insert  with a circle of 4,0 nautical mile radius centered 13°09,00'S 38°25,00'W

Chart 22500 (INT 2118) Datum: WGS-84

Insert  with a circle of 4,0 nautical mile radius centered 13°09,0'S 38°25,0'W

E 12(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador vicinity - Automatic Virtual Identification System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 70 S (18.2)

Chart 1101 Datum: Córrego Alegre-MG

Insert  V-AIS (no.1) 12°56,80'S 38°31,62'W

Insert  V-AIS (no.2) 12°56,64'S 38°31,19'W

Insert  V-AIS (no.3) 12°56,88'S 38°31,20'W

Insert  V-AIS (no.4) 12°56,49'S 38°30,79'W

Insert  V-AIS (no.5) 12°56,96'S 38°30,81'W

Insert  V-AIS (no.6) 12°56,81'S 38°30,52'W

Chart 1102 Datum: WGS-84

Insert  V-AIS (no.1) 12°56,810'S 38°31,620'W

Insert  V-AIS (no.2) 12°56,650'S 38°31,190'W

Insert  V-AIS (no.3) 12°56,890'S 38°31,200'W

Insert	 V-AIS (no. 4)	12°56,500'S 38°30,790'W
Insert	 V-AIS (no. 5)	12°56,970'S 38°30,810'W
Insert	 V-AIS (no. 6)	12°56,820'S 38°30,520'W

E 30(P)/20 SOUTH ATLANTIC - BRASIL - EAST COAST

Porto do Açú - Spoil ground

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 52 N (62.1)

This Notice cancels Temporary E 5(T)/16

Chart 1406 Datum: WGS-84

Insert	 Área de Despejo	21°45,50'S 40°46,20'W 21°46,90'S 40°45,10'W 21°47,98'S 40°46,97'W 21°46,52'S 40°47,95'W
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E 31(P)/20 SOUTH ATLANTIC - BRASIL - EAST COAST

Barra do Itariri - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

This Notice cancels Temporary E 141(T)/16

Chart 21040 (INT 2005) Datum: WGS-84

Insert	++	12°07,5'S 37°35,0'W
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Chart 21050 (INT 2006) Datum: WGS-84

Insert	++	12°07,5'S 37°35,0'W
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Chart 22400 (INT 2127) Datum: WGS-84

Insert	++	12°07,5'S 37°35,0'W
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E 41(P)/20 SOUTH ATLANTIC - BRAZIL - NORTH EAST

Ilha de Itaparica vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1101 Datum: Córrego Alegre

Insert



12°55,39'S 38°37,13'W
12°55,46'S 38°37,08'W
12°55,63'S 38°37,10'W
12°55,64'S 38°37,20'W

Chart 1110 Datum: WGS-84

Insert



12°55,40'S 38°37,13'W
12°55,47'S 38°37,08'W
12°55,64'S 38°37,10'W
12°55,65'S 38°37,20'W

E 51(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Ponta de Imbetiba vicinity - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (14)

Chart 1507 Datum: Córrego Alegre

Insert

8₃

22°24,50'S 41°45,09'W

Replace

15₃ with 12₄

22°24,36'S 41°45,04'W

16₅ with 13₉

22°24,58'S 41°44,94'W

Chart 1550 Datum: WGS-84

Insert

8₃

22°24,5'S 41°45,1'W

Chart 23000 (INT 2123) Datum: WGS-84

Insert

8₃

22°24,5'S 41°45,1'W

E 56(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador vicinity - Oceanic Data Acquisition System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 63 Q (58) and 67 Q (130.6)

Chart 1101 Datum: Córrego Alegre

Insert



ODAS Lp.(5)A.20s5M

13°01,84'S 38°35,11'W

E 57(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Salvador vicinity - Oceanic Data Acquisition System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 63 Q (58) and 67 Q (130.6)

Chart 1101 Datum: Córrego Alegre

Insert  ODAS Lp.(5)A.20s5M 12°59,36'S 38°32,51'W

Chart 1102 Datum: WGS 84

Insert  ODAS Lp.(5)A.20s5M 12°59,372'S 38°32,508'W

E 63(T)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

De Conceição da Barra a Vitória - Oceanic Data Acquisition System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 63 Q (58) and 67 Q (130.6)

Valid until: 01-05-2021

Chart 1402 Datum: WGS-84

Insert  ODAS Lp.(5)A.20s5M 19°36,25'S 39°43,99'W
19°42,92'S 39°48,59'W
19°58,95'S 39°57,51'W

Chart 1420 Datum: WGS-84


Insert  ODAS Fl.(5)Y.20s5M 19°36,25'S 39°43,99'W
19°42,92'S 39°48,59'W

Chart 22800 (INT 2121) Datum: WGS-84

Insert  ODAS Fl.(5)Y.20s5M 19°18,3'S 39°38,3'W
19°36,2'S 39°44,0'W
19°42,9'S 39°48,6'W
19°58,9'S 39°57,5'W

E 75(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto do Açú vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

This Notice cancels Preliminary E 44(P)/19

Chart 1403 Datum: WGS-84

Insert



21°51,58'S 40°49,56'W
21°51,67'S 40°41,10'W
21°53,62'S 40°41,13'W
21°53,62'S 40°49,59'W

Chart 1405 Datum: WGS-84

Insert



21°51,583'S 40°49,563'W
21°51,596'S 40°48,500'W
21°53,605'S 40°48,500'W
21°53,616'S 40°49,588'W

Chart 1406 Datum: WGS-84

Insert



21°51,58'S 40°49,56'W
21°51,67'S 40°41,10'W
21°53,62'S 40°41,13'W
21°53,62'S 40°49,59'W

Chart 1550 Datum: WGS-84

Insert



21°51,6'S 40°49,6'W
21°51,7'S 40°41,1'W
21°53,6'S 40°41,1'W
21°53,6'S 40°49,6'W

Chart 22900 (INT 2122) Datum: WGS-84

Insert



21°51,6'S 40°49,6'W
21°51,7'S 40°41,1'W
21°53,6'S 40°41,1'W
21°53,6'S 40°49,6'W

E 76(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto do Açú - Dangerous underwater rock

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (41)

Chart 1405 Datum: WGS-84

Insert



21°51.819'S 041°00.900'W

E 77(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Arraial do Cabo vicinity - Dangerous underwater rock and obstruction

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10), 36 K (14) and 38 K (41)

Chart 1503 Datum: Córrego Alegre

Delete		22°58.278'S 042°00.829'W
Insert		22°58.278'S 042°00.829'W
Insert		22°58.372'S 042°00.837'W

E 95(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Terminal da Ponta do Ubu - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 52 N (62.1)

Chart 1402 Datum: WGS-84



Insert		with a circle of 0,16 nautical mile radius centered	20°47,23'S 40°30,79'W
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Chart 1404 Datum: WGS-84

Insert		with a circle of 0,16 nautical mile radius centered	20°47,23'S 40°30,79'W
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E 107(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Barra do Riacho vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 38 K (29)

Chart 1402 Datum: WGS-84

Insert		19°52,60'S 40°01,83'W
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Chart 1420 Datum: WGS-84

Insert		19°52,60'S 40°01,83'W
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E 120(P)/20 SOUTH ATLANTIC - BRAZIL - EAST COAST

Porto de Ilhéus vicinity - Depths and obstruction

Republished: see correction in highlight (originally published in Notices to Mariners n° 21/20).

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4a ed., 2014, pg. 31 I (10) and 38 K (40)

Chart 1201 Datum: WGS-84

Delete	10 ₃	14°46,500'S 39°01,660'W
Delete	10 ₄	14°46,553'S 39°01,696'W
Delete	10 ₅	14°46,598'S 39°01,658'W
Delete	10 ₃	14°46,595'S 39°01,738'W
Delete	10 ₆	14°46,685'S 39°01,695'W
Delete	11 ₁	14°46,743'S 39°01,752'W
Delete	10 ₂	14°46,735'S 39°01,809'W
Insert	7 ₃	14°46,745'S 39°01,804'W
Insert	9	14°46,739'S 39°01,749'W
Insert	9	14°46,606'S 39°01,735'W
Insert	9 ₃	14°46,550'S 39°01,708'W
Insert	9 ₃	14°46,493'S 39°01,659'W
Insert	9 ₇	14°46,598'S 39°01,658'W
Insert	9 ₁	14°46,678'S 39°01,736'W
Insert	9 ₉	14°46,707'S 39°01,696'W
Insert	Obst	14°46,166'S 39°01,640'W 14°46,065'S 39°01,640'W 14°46,065'S 39°01,610'W 14°46,166'S 39°01,610'W

Chart 1210 Datum: WGS-84

Delete	10 ₄	14°46,55'S 39°01,70'W
Delete	11 ₁	14°46,74'S 39°01,75'W
Insert	9 ₃	14°46,55'S 39°01,71'W
Insert	9	14°46,74'S 39°01,75'W
Insert	Obst	14°46,17'S 39°01,64'W 14°46,07'S 39°01,64'W 14°46,07'S 39°01,61'W 14°46,17'S 39°01,61'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

Nil.

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:*** S 150(T)/05 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

East of Canal da Vêrga - Existence of light-buoy with survey equipment

Chart 30 (INT 201)

Position - 32° 52'.71 S 50° 50'.86 W

Identification: Argos 324351 Characteristic: Fl(5) Y Period: 20 seconds

Existence in the position of "light-buoy" with survey equipment (collection of meteorological and oceanographic data). Period: Indeterminate.

This Notice replaces Temporary Notice n° S 147(T)/02 and cancels Radio Warning n° S 0847/05.

*** S 54(P)/06 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Near porto de Paranaguá, ilha Biguá and inflammable products quay - Existence of least depths

Chart 1822

Positions: a) 25° 29'.19 S 48° 30'.20 W c) 25° 30'.14 S 48° 32'.03 W
b) 25° 30'.16 S 48° 32'.07 W d) 25° 30'.14 S 48° 31'.97 W

The depths 6.6, 3.9, 4.7 and 4.3 metres will be inserted in positions a), b), c) and d), respectively.

*** S 86(P)/06 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Near Porto Belo - Ponta de Porto Belo - Existence of rock which does not cover

Charts 1902

Positions: a) 27° 07'.02 S 48° 30'.32 W b) 27° 07'.21 S 48° 30'.23 W

Existence of dangerous rock which does not cover in the positions.

The geographic coordinates are in datum: "WGS-84".

*** S 56(P)/07 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Ponta do Barão and Ilha d'Água - Existence of aqueduct

Charts 1512 and 1501

Positions: a) 22° 47'.86 S 43° 10'.32 W (Ponta do Barão)
b) 22° 48'.72 S 43° 09'.82 W (Ilha d'Água)

Existence of "aqueduct" between positions a) and b).

*** S 38(T)/08 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Enseada de Icaraí - Existence of minor depths

Charts 1511 and 1512

Existence of minor depths in following positions:

- a) 22° 54'.84 S 43° 06'.78 W - 4.2 metres;
- b) 22° 54'.81 S 43° 07'.32 W - 4.2 metres; and
- c) 22° 55'.14 S 43° 07'.41 W - 4.9 metres.

*** S 142(T)/08 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

East of Cabo de São Tomé - Existence of mooring buoys and monobuoy

Charts 21070 (INT 2008)

- Positions: a) 22° 21'.85 S 40° 20'.43 W - 2 boias b) 23° 29'.23 S 41° 19'.22 W - 4 boias
c) 22° 22'.35 S 39° 53'.67 W - 8 boias d) 22° 03'.65 S 39° 56'.99 W - 8 boias
e) 22° 21'.75 S 40° 02'.67 W - 8 boias f) 22° 15'.42 S 40° 28'.08 W - 8 boias
g) 22° 30'.30 S 40° 31'.43 W - 1 boia h) 22° 14'.28 S 40° 20'.20 W - monoboia (SMB-4)

Existence of mooring buoys in positions a) to f) and monobuoy (SMB-4) in position h).

Chart 23000 (INT.2123)

Existence of mooring buoys in positions a), b), e), f) and g) and monobuoy (SMB-4) in position h).

This Notice cancels Radio Warning 0598/06.

*** S 234(P)/08 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Works on water - Ampliation of quay, maritime terminal

Charts 1511 E 1501

I - Baía de Guanabara - Enseada de Jurujuba - Pr. de Jurujuba - Ampliation of quay.
(Beginning: 04/APR/05) (End: 31/DEC/05)

II - Baía de Guanabara - North of Ilha do Governador - Terminal Marítimo de Granéis Líquidos (POLIBRASIL) constructed between positions:

- a) 22° 45'.74 S 43° 09'.20 W; and b) 22° 45'.81 S 43° 09'.19 W.

Existence of "small lighthouse" with yellow fixed light to signal extremity of the terminal.

(The coordinates are in datum: C. Alegre)

And duct laying among positions:

- c) 22° 44'.41 S 43° 13'.64 W; d) 22° 44'.52 S 43° 13'.52 W; and
- e) 22° 45'.80 S 43° 09'.20 W.

III - Baía de Guanabara - Near ilha Viraponga - Terminal Marítimo de Gás Natural Liquefeito (GNL) constructed centered in position:
22° 46'.97 S 43° 07'.92 W.

This Notice replaces Preliminary Notice nº S 131(P)/08.

*** S 71(P)/10 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Mangaratiba - Existence of minor depths

Chart 1621

Existence of depth less than 0.9 metre in position 22° 57'.75 S 44° 02'.70 W.

*** S 78(P)/10 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Angra dos Reis - Existence of minor depth

Chart 1636

Existence of minor depth in position 23° 00'.09 S 44° 14'.55 W - 2.5 metres.

*** S 8(P)/12 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Southeast of Cabo Frio - Rock

Source: Centro de Hiderografia da Marinha

Reference: Chart 12000 - Symbols, Abbreviations and Terms (3rd ed. 2008) pg. 40 K (15)

Chart nº 21070(INT 2008) Datum: WGS-84 (Last correction: 97/09)

Insert the symbol of rock non-dangerous to navigation with known depth 165 27°17,9'S 39°02,8'W
involving the know depth with a isoline of 200m R

Chart nº 30 Datum: WGS-84 (Last correction: 221/08)

Insert the symbol of rock non-dangerous to navigation with known depth 165 27°17,9'S 39°02,8'W
involving the know depth with a isoline of 200m R

Chart nº 1 Datum: WGS-84 (Last correction: 81/11)

Insert the symbol of rock non-dangerous to navigation with known depth 165 27°17,9'S 39°02,8'W
involving the know depth with a isoline of 200m R

*** S 36(P)/12 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía da Ilha Grande - Canal Dragado - Depths

Source: Centro de Hiderografia da Marinha

Chart 1621 Datum: C. Alegre

Insert minor depths near left edge of the channel between buoys no. 4 and 8. Minor depth 23°04,11'S 44°04,28'W
(in pencil) found in the position of 20₄ .
minor depths near right edge of the channel between buoys no. 7 and 9 in position
21₁ 23°03,17'S 44°05,58'W
22₁ 23°02,95'S 44°05,57'W

*** S 50(P)/12 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto do Rio Grande - Works concluded

Source: Serviço de Sinalização Náutica do Sul

References: Chart 12000 - Symbols, Abbreviations and Terms pgs. 19 D (24) and 25 F (12, 13,14 and 20)

This Notice cancels Temporary Notice nº E 147(P)/09

Chart 2101 Datum: WGS-84

Insert the symbol of pieres 32°06,550'S 52°06,380'W
(in pencil) 32°06,270'S 52°06,320'W
32°07,500'S 52°06,200'W
32°07,670'S 52°06,200'W
the symbol of West and East moles 32°11,080'S 52°05,100'W
32°11,060'S 52°05,060'W
32°11,490'S 52°04,740'W
32°11,510'S 52°04,790'W

		32°11,090'S 52°04,630'W
		32°11,040'S 52°04,560'W
		32°11,200'S 52°04,520'W
		32°11,210'S 52°04,600'W
the symbol of dolphin		32°04,080'S 52°05,550'W
the symbol of quay		32°01,870'S 52°04,580'W
		32°01,870'S 52°04,570'W
		32°01,900'S 52°04,550'W
		32°01,900'S 52°04,570'W

Chart 2112 Datum: Capitania Astronômica

Insert	the symbol of bridge	32°02,33'S 52°12,13'W
(in pencil)		32°01,58'S 52°11,72'W

*** S 78(P)/12 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Southeast of Cabo Frio - Oil floating production

Source: Capitania dos Portos do Ri de Janeiro
Reference: Chart 12000 - Symbols, Abbreviations and Terms pg. 43 L (16)
Valid until: 9-12-2026

This Notice cancels Radio Warning S 0045/12.

Chart 23000(INT.2123)

Insert	the symbol of buoy installation of oil or gas; with the anchoring system with a radius of 2 nautical miles and adjacent to it, the legend OSX1-STP centered on:	23°32,08'S 41°26,18'W
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*** S 114(P)/13 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Sepetiba - Depths

Chart 1622 Datum: WGS-84 (Last correction: 109/13)

Replace	the depth 10, the involving depth contour and the blue background by the depth 9 ₆	22°56,48'S 43°51,04'W
Replace	the depth 10 ₄ by the depth 9 ₈	22°56,62'S 43°50,74'W
Cancel	the isobatic line 10 metres between positions:	segment 01: 22°56,59'S 43°50,66'W 22°56,71'S 43°50,84'W segment 02: 22°55,94'S 43°50,02'W 22°56,19'S 43°50,33'W
Redesign	the isobatic line 10 metres joining the positions:	segment 01: 22°56,59'S 43°50,66'W 22°56,45'S 43°50,80'W 22°56,43'S 43°51,14'W 22°56,51'S 43°51,17'W 22°56,57'S 43°50,92'W 22°56,71'S 43°50,84'W segment 02: 22°55,94'S 43°50,02'W 22°56,04'S 43°50,08'W 22°56,01'S 43°50,18'W 22°56,06'S 43°50,23'W 22°56,11'S 43°50,39'W 22°56,19'S 43°50,33'W

*** S 61(P)/14 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Enseada de Caraguatatuba - Submarine pipeline

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg.45 L (40.1)

Chart 1641 Datum: Córrego Alegre

Insert	→ → → → → → → → → → → → → → → →	23°39,87'S 45°13,27'W
		23°41,78'S 45°13,27'W
	→ → → → → → → → → → → → → → → →	23°40,23'S 45°20,55'W
		23°41,51'S 45°13,14'W

Chart 1645 Datum: Córrego Alegre

Insert	→ → → → → → → → → → → → → → → →	23°39,87'S 45°13,27'W
		23°41,78'S 45°13,27'W
	→ → → → → → → → → → → → → → → →	23°40,23'S 45°20,55'W
		23°41,51'S 45°13,14'W

*** S 78(P)/14 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Paranaguá - Depths

Chart 1822 Datum: WGS-84

Existence of depth less than 9.6 metres in the area bounded by positions:	25°30,158'S 48°30,863'W
	25°30,149'S 48°30,883'W
	25°30,140'S 48°31,090'W

Existence of depth less than 10.6 metres, in position:	25°30,094'S 48°31,499'W - 10 ₄
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*** S 226(P)/14 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Depths

This Notice cancels Preliminary S 132(P)/13

Chart 1511 Datum: WGS-84

Insert	7 ₁	22°53,750'S 43°09,780'W
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Chart 1512 Datum: WGS-84

Insert	7 ₁	22°53,750'S 43°09,780'W
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Chart 1515 Datum: WGS-84

Insert	7 ₁	22°53,750'S 43°09,780'W
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*** S 22(P)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

South of São Sebastião - Depths

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 31 I (4)

Chart 23100 (INT 2124) Datum: WGS-84

Insert

15

24°00,8'S 45°41,8'W

16

24°01,5'S 45°23,9'W

Chart 23200 (INT 2125) Datum: WGS-84

Insert

15

24°00,8'S 45°41,8'W

16

24°01,5'S 45°23,9'W

Chart 21070 (INT 2008) Datum: WGS-84

Insert

15

24°00,8'S 45°41,8'W

16

24°01,5'S 45°23,9'W

*** S 64(P)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Dephts

This Notice cancels Radio Warning S 7768/15

Chart 1511 Datum: WGS-84

minor depths found in positions:

22°52,830'S 43°08,390'W - 5₉ m
22°52,800'S 43°08,320'W - 6₄ m
22°52,920'S 43°08,210'W - 5₉ m
22°52,550'S 43°08,040'W - 6₅ m

Chart 1512 Datum: WGS-84

minor depths found in positions:

22°52,830'S 43°08,390'W - 5₉ m
22°52,800'S 43°08,320'W - 6₄ m
22°52,920'S 43°08,210'W - 5₉ m
22°52,550'S 43°08,040'W - 6₅ m

Chart 1515 Datum: WGS-84

minor depths found in positions:

22°52,830'S 43°08,390'W - 5₉ m
22°52,800'S 43°08,320'W - 6₄ m
22°52,920'S 43°08,210'W - 5₉ m
22°52,550'S 43°08,040'W - 6₅ m

*** S 144(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 1511 Datum: WGS-84

Insert  22°52,780'S 43°08,320'W

Chart 1512 Datum: WGS-84

Insert  22°52,780'S 43°08,320'W

Chart 1514 Datum: WGS-84

Insert  22°52,780'S 43°08,320'W

Chart 1515 Datum: WGS-84

Insert  22°52,780'S 43°08,320'W

*** S 155(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Imbituba - Foul area

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (31)

~~**Chart 1907**~~ Datum: Itajubá

Insert  28°12,27'S 48°38,52'W

Chart 1908 Datum: Córrego Alegre

Insert  28°12,270'S 48°38,520'W

Chart 1910 Datum: WGS-84

Insert  28°12,27'S 48°38,52'W

*** S 156(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 1511 Datum: WGS-84

Insert  22°55,050'S 43°09,770'W

*** S 157(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Laguna - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 1901 Datum: Córrego Alegre

Insert  28°29,68'S 48°45,54'W

*** S 161(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Enseada de Jacareí - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 37 K (24)

Chart 1621 Datum: Córrego Alegre

Insert  23°02,03'S 44°09,65'W

*** S 163(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Parati - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 37 K (24)

Chart 1633 Datum: Córrego Alegre

Insert  23°13,95'S 44°42,33'W

Chart 1633 (plan) Datum: Córrego Alegre

Insert  23°13,950'S 44°42,330'W

*** S 179(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Conceição vicinity - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 23500 (INT 2128) Datum: WGS-84

Insert  31°43,92'S 51°20,77'W

*** S 180(T)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 1511 Datum: WGS-84

Insert  22°52,400'S 43°10,200'W

Chart 1512 Datum: WGS-84

Insert  22°52,400'S 43°10,200'W

Chart 1515 Datum: WGS-84

Insert  22°52,400'S 43°10,200'W

*** S 198(P)/15 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - depth

Chart 1501 Datum: WGS-84

Cancel the isobatic line 5 meters among positions 22° 52,38'S 43° 07,46'W
22° 52,44'S 43° 07,29'W
22° 52,41'S 43° 07,49'W

Redesign the isobatic line 5 joining the positions 22° 52,38'S 43° 07,46'W
22° 52,40'S 43° 07,46'W
22° 52,41'S 43° 07,49'W

Chart 1511 Datum: WGS-84

Cancel the isobatic line 5 meters among positions 22° 52,379'S 43° 07,461'W
22° 52,435'S 43° 07,289'W
22° 52,411'S 43° 07,491'W

Redesign the isobatic line 5 joining the positions 22° 52,379'S 43° 07,461'W
22° 52,396'S 43° 07,462'W
22° 52,411'S 43° 07,491'W

Delete 5₆ 22° 52,433'S 43° 07,297'W

Insert 4₄ 22° 52,431'S 43° 07,298'W

Chart 1512 Datum: WGS-84

Cancel the isobatic line 5 meters among positions 22° 52,379'S 43° 07,461'W
22° 52,435'S 43° 07,289'W
22° 52,411'S 43° 07,491'W

Redesign the isobatic line 5 joining the positions 22° 52,379'S 43° 07,461'W
22° 52,396'S 43° 07,462'W
22° 52,411'S 43° 07,491'W

Delete 5₆ 22° 52,433'S 43° 07,297'W

Insert 4₄ 22° 52,431'S 43° 07,298'W

Chart 1515 Datum: WGS-84

Cancel the isobatic line 5 meters among positions 22° 52,379'S 43° 07,461'W
22° 52,435'S 43° 07,289'W
22° 52,411'S 43° 07,491'W

Redesign the isobatic line 5 joining the positions 22° 52,379'S 43° 07,461'W
22° 52,396'S 43° 07,462'W

		22° 52,411'S 43° 07,491'W
Delete	5 ₉	22° 52,412'S 43° 07,463'W
	6 ₄	22° 52,415'S 43° 07,411'W
	5	22° 52,432'S 43° 07,362'W
	5 ₆	22° 52,433'S 43° 07,297'W
	3 ₂	22° 52,436'S 43° 07,257'W
	2 ₁	22° 52,397'S 43° 07,363'W
Insert	4	22° 52,412'S 43° 07,463'W
	4 ₆	22° 52,414'S 43° 07,413'W
	3 ₉	22° 52,432'S 43° 07,362'W
	4 ₄	22° 52,431'S 43° 07,298'W
	1 ₇	22° 52,436'S 43° 07,257'W
	1 ₇	22° 52,397'S 43° 07,362'W

*** S 19(T)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

East of Ilha de São Sebastião - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 21070 (INT 2008) Datum: WGS-84

Insert ++ 23°54,3'S 44°45,1'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert ++ 23°54,3'S 44°45,1'W

*** S 31(P)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Southeast of Ilha de São Sebastião - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 21070 (INT 2008) Datum: WGS-84

Insert ++ 24°40,0'S 42°55,0'W

*** S 32(T)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Southwest of Ilha Grande - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 1607 Datum: WGS-84

Insert ++ 23°13,12'S 44°21,86'W

Chart 1631 Datum: WGS-84

Insert ++ 23°13,12'S 44°21,86'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert ++ 23°13,1'S 44°21,9'W

*** S 64(P)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Santos vicinity - Depths

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pgs. 31 I (10) and 33 I (30)

Chart 1711 Datum: WGS-84

Insert	14 ₃	enclosed by 20m contour	24°06,33'S 46°20,00'W
	15	enclosed by 20m contour	24°06,32'S 46°19,43'W
	14 ₆	enclosed by 20m contour	24°06,85'S 46°20,02'W
	15 ₇	enclosed by 20m contour	24°06,87'S 46°19,41'W

*** S 139(T)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

South of Ilha de Alcatrazes - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 23200 (INT 2125) Datum: WGS-84

Insert ++ 25°01,0'S 45°47,0'W

*** S 140(T)/16 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

South of Guaratiba - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (29)

Chart 1620 Datum: Córrego Alegre

Insert ++ 23°16,20'S 43°35,70'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert ++ 23°16,2'S 43°35,7'W

*** S 6(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía de Guanabara - Foul Area

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (31)

Chart 1501 Datum: WGS-84

Insert # 22°49,64'S 43°08,13'W

Chart 1512 Datum: WGS-84

Insert # 22°49,640'S 43°08,130'W

Chart 1517 Datum: WGS-84

Insert # 22°49,640'S 43°08,130'W

*** S 39(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Baía da Ribeira - Buoyage

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pgs. 53P (1) and 67Q (130.4)

Chart 1607 Datum: WGS-84

Replace  *R(2) B. 4s 4m 8M* with:  *Lp.(2) B 5s* 22°59,15'S 44°23,49'W

Chart 1632 Datum: WGS-84

Replace  *R(2) B. 4s 4m 8M* with:  *Lp.(2) B 5s* 22°59,15'S 44°23,49'W

Chart 1637 Datum: Córrego Alegre

Replace  *R(2) B. 4s 4m 8M* with:  *Lp.(2) B 5s* 22°59,130'S 44°23,480'W

*** S 48(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto de Laguna vicinity

This Notice cancels Preliminary S 166(P)/15

Chart 1901 Datum: Córrego Alegre

Delete part of the South mole among positions: 28° 29,740'S 48° 44,850'W
 28° 29,730'S 48° 44,810'W
 28° 29,680'S 48° 44,740'W
 28° 29,680'S 48° 44,730'W
 28° 29,720'S 48° 44,740'W
 28° 29,740'S 48° 44,770'W

Insert extension of the South mole among positions: 28° 29,740'S 48° 44,850'W
 28° 29,740'S 48° 44,798'W
 28° 29,737'S 48° 44,719'W
 28° 29,742'S 48° 44,694'W
 28° 29,748'S 48° 44,676'W
 28° 29,760'S 48° 44,661'W
 28° 29,772'S 48° 44,674'W
 28° 29,757'S 48° 44,691'W
 28° 29,755'S 48° 44,796'W

*** S 80(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

South of Ilha da Marambaia - Wreck

Reference: Chart 12000 – Symbols, Abbreviations and Terms, pg. 38 K (28)

Chart 1607 Datum: WGS-84

Insert  23°06,11'S 43°57,53'W

Chart 1620 Datum: Córrego Alegre - MG

Insert  23°06,09'S 43°57,52'W

Chart 1622 Datum: WGS-84

Insert  23°06,11'S 43°57,53'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert  23°06,1'S 43°57,5'W

*** S 129(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

South of Guaratiba - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (29)

Chart 1620 Datum: Córrego Alegre

Insert ++ 23°05,00'S 43°35,00'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert ++ 23°05,0'S 43°35,0'W

Chart 21070 (INT 2008) Datum: WGS-84

Insert ++ 23°05,0'S 43°35,0'W

*** S 132(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Southeast of Paranaguá - foul area

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31)

Chart 1820 Datum: WGS-84

Insert # 25°45,09'S 48°10,25'W

Chart 23300 (INT 2126) Datum: WGS-84

Insert # 25°45,1'S 48°10,3'W

*** S 141(P)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Ponte Presidente Costa e Silva - Automatic Identification System (AIS)

Chart 1501 Datum: WGS-84

Insert	AIS	22°52,36'S 43°09,69'W
	AIS	22°52,47'S 43°08,97'W

Chart 1506 Datum: WGS-84

Insert	AIS	22°52,51'S 43°09,69'W
	AIS	22°52,55'S 43°09,03'W

Chart 1511 Datum: WGS-84

Insert	AIS	22°52,350'S 43°09,450'W
	AIS	22°52,360'S 43°09,150'W

Chart 1512 Datum: WGS-84

Insert	AIS	22°52,350'S 43°09,450'W
	AIS	22°52,360'S 43°09,150'W

Chart 1515 Datum: WGS-84

Insert	AIS	22°52,310'S 43°09,170'W
	AIS	22°52,290'S 43°09,420'W

***S 177(T)/17 SOUTH ATLANTIC - BRAZIL - SOUTH COAST**

Porto do Rio Grande - Oceanic Data Acquisition System

Reference: INT 1 - Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 61 Q (3, 8, 11 and 23)

Republished: see correction in highlight (originally published in Notices to Mariners nº 24/17).

Chart 2110 Datum:WGS-84

Insert	 <i>Lp(5)A.20s</i>	32°17,72'S 52°01,50'W
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Chart 21080 (INT 2009) Datum: WGS-84

Insert	 <i>FI(5)Y.20s</i>	32°17,7'S 52°01,5'W
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Chart 23600 (INT 2129) Datum: WGS-84

Insert	 <i>FI(5)Y.20s</i>	32°17,7'S 52°01,5'W
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S 6(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de São Francisco do Sul - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

Chart 1804 Datum: WGS-84

Delete  Ponta do Sumidouro Lp.B.10s15m8M 26°10,24'S 48°33,30'W

Chart 1830 Datum: Itajubá

Delete  Pta. do Sumidouro Lp.B.10s15m8M 26°10,21'S 48°33,22'W


S 7(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baía de Paranaguá - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1)

Chart 1822 Datum: WGS-84

Delete  Lp.E.4s (no.7) 25°28,95'S 48°37,08'W

Delete  Lp.V.4s (no.8) 25°29,01'S 48°37,10'W

Insert  Lp.E.4s (no.7) 25°29,13'S 48°36,47'W

Insert  Lp.V.4s (no.8) 25°29,20'S 48°36,48'W

Insert  Lp.E.4s (no.7A) 25°28,85'S 48°37,45'W

Insert  Lp.V.4s (no.8A) 25°28,90'S 48°37,47'W

S 21(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Barra de Paranaguá - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 66 Q (130.1)


Chart 1820 Datum: WGS-84

Replace  *Lp.E.3s5M*
No 1 from: 25°37,33'S 48°16,34'W
to: 25°37,23'S 48°16,24'W

Replace  *Lp.V.3s5M*
No 2 from: 25°37,46'S 48°16,50'W
to: 25°37,35'S 48°16,36'W

Chart 1821 Datum: WGS-84

Replace  *Lp.E.3s5M*
No 1 from: 25°37,33'S 48°16,34'W
to: 25°37,23'S 48°16,24'W

Replace  *Lp.V.3s5M*
No 2 from: 25°37,46'S 48°16,50'W
to: 25°37,35'S 48°16,36'W

Replace  *Lp.E.3s*
No 1A from: 25°36,99'S 48°16,70'W
to: 25°36,91'S 48°16,63'W

Replace  *Lp.V.3s*
No 2A from: 25°37,07'S 48°16,82'W
to: 25°37,01'S 48°16,74'W


S 26(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Laguna - Wrecks

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pgs. 53 P (1) and 66 Q (130.1)

This Notice cancels Preliminary S 20(P)/13 and Temporary S 164(T)/15.

Chart 1901 Datum: Córrego Alegre - MG

Replace  *Fte. Laguna Sul*
Lp.V.3s12m7M From: 28°29,750'S 48°44,740'W
To: 28°29,770'S 48°44,670'W

Insert  *Lp.V.3s*
(No. 1) 28°29,650'S 48°45,770'W

Chart 1910 Datum: WGS-84

Replace  *Lp.V.3s12m7M* From: 28°29,75'S 48°44,74'W
To: 28°29,79'S 48°44,70'W

S 44(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha das Cobras vicinity - Obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pg. 31 I (3.2) and 38 K (41)

Chart 1511 Datum: WGS-84

Insert



22°53,85'S 43°10,05'W

Chart 1512 Datum: WGS-84

Insert



22°53,85'S 43°10,05'W

Chart 1515 Datum: WGS-84

Insert



22°53,850'S 43°10,050'W

S 53(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Imbituba - Buoyage

Republished: see correction in highlight (originally published in Notices to Mariners n° 09/18).

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pgs. 66 Q (130.1) and 67 Q (130.6)

Chart 1908 Datum: Córrego Alegre - MG

Insert



Lp(3).E.6s

28°12,754'S 48°39,095'W

Insert



Lp(3).V.6s

28°13,034'S 48°39,100'W

Insert



Lp.A.5s2M

28°13,268'S 48°39,494'W

Insert



Lp.A.10s2M

28°13,502'S 48°39,422'W

S 68(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baía da Ilha Grande Parte Centro-Norte - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1607 Datum: WGS-84

Insert  23°01,48'S 44°20,43'W

Chart 1632 Datum: WGS-84

Insert  23°01,48'S 44°20,43'W

Chart 1636 Datum: WGS-84

Insert  23°01,48'S 44°20,43'W

Chart 1637 Datum: Córrego Alegre - MG


Insert  23°01,46'S 44°20,42'W

S 80(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Praia do Farol - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pgs. 65 Q (a) and 67 Q (130.6)

Chart 1503 Datum: Córrego Alegre - MG

Delete  (no.1) 22°59,920'S 42°00,260'W

Delete  (no.2) 23°00,030'S 42°00,300'W

Delete  Mo(N)A.5s 23°00,070'S 42°00,330'W

S 95(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ponta de Imbituba - Dangerous Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1908 Datum: Córrego Alegre

Insert  28°13,670'S 48°38,855'W

S 96(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

South of Ilha Rasa - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, pg. 38 K (28)

Chart 1501 Datum: WGS-84

Insert



23°04,85'S 43°08,07'W

Chart 1506 Datum: WGS-84

Insert



23°04,85'S 43°08,07'W

Chart 1620 Datum: Córrego Alegre - MG

Insert



23°04,83'S 43°08,06'W

Chart 21070 (INT 2008) Datum: WGS-84

Insert



23°04,9'S 43°08,1'W

Chart 23000 (INT 2123) Datum: WGS-84

Insert



23°04,9'S 43°08,1'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert



23°04,9'S 43°08,1'W

S 97(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

East of Ilha do Cardoso - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, pg. 38 K (28)

Chart 21070 (INT 2008) Datum: WGS-84

Insert



25°17,2'S 47°00,7'W

Chart 23200 (INT 2125) Datum: WGS-84

Insert



25°17,2'S 47°00,7'W

S 123(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha do Governador Vicinity - Obstructions and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, pp. 38 K (40) and 31 I (10)

Chart 1512 Datum: WGS-84

Existence of depths lower than those presented in the Nautical Chart.

Insert



22°49,88'S 43°10,66'W
22°49,88'S 43°10,54'W
22°49,94'S 43°10,54'W
22°49,94'S 43°10,66'W

Insert

2_g

22°49,91'S 43°10,60'W

Insert



22°50,01'S 43°10,75'W
22°50,01'S 43°10,82'W
22°49,98'S 43°10,82'W
22°49,98'S 43°10,75'W

Insert

3₁

22°49,99'S 43°10,78'W

S 155(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Rio Grande - Foul area

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31)

Chart 2101 Datum: WGS-84

Insert

#

32°10,45'S 52°04,95'W

Chart 2110 Datum: WGS-84

Insert

#

32°10,45'S 52°04,95'W

S 166(P)/18 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baia de Guanabara - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 37 K (24)

Chart 1501 Datum: WGS-84

Insert



22°55,83'S 43°06,97'W

Chart 1511 Datum: WGS-84

Insert



22°55,830'S 43°06,970'W

S 13(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baía de Guanabara vicinity - Spoil Ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1506 Datum: WGS-84

Insert



with a circle of 0,54 nautical mile radius centered

23°06,92'S 43°03,85'W

S 29(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos (Parte Norte) - Obstructions

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (40)

Chart 1712 Datum: WGS-84

Insert



23°56,079'S 46°18,855'W
23°56,075'S 46°18,821'W
23°56,296'S 46°18,800'W
23°56,299'S 46°18,818'W

Insert



23°56,876'S 46°18,720'W
23°56,780'S 46°18,736'W
23°56,773'S 46°18,688'W
23°56,871'S 46°18,689'W

S 35(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Itaguaí - Dangerous wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1607 Datum: WGS-84

Insert



22°56,23'S 43°50,11'W

Chart 1622 Datum: WGS-84

Insert



22°56,23'S 43°50,11'W

Chart 1623 Datum: WGS-84

Insert



22°56,230'S 43°50,110'W

S 37(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

East of Navegantes - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1841 Datum: WGS-84

Insert



joining positions:

26°53,000'S 48°36,000'W
26°53,000'S 48°34,800'W
26°54,000'S 48°34,800'W
26°54,000'S 48°36,000'W

Insert



joining positions:

26°56,000'S 48°36,000'W
26°56,000'S 48°34,800'W
26°57,000'S 48°34,800'W
26°57,000'S 48°36,000'W

S 38(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha do Guaraú - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 58 P (40.1)

Chart 23200 (INT 2125) Datum: WGS-84

Delete



Fl.WR.3s67m14/11M

24°22,85'S 46°59,14'W

S 46(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilhas Tijucas - Dangerous wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1501 Datum: WGS-84


Insert  23°01,96'S 43°18,14'W

Chart 1506 Datum: WGS-84

Insert  23°01,96'S 43°18,14'W

Chart 1620 Datum: Córrego Alegre

Insert  23°01,94'S 43°18,13'W

S 48(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Access channel to Porto do Rio Grande - Oceanic Data Acquisition System

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 63 Q (58).

Chart 2101 Datum: WGS-84


Insert  ODAS Lp. (5) A 20s 32°08,075'S 052°05,882'W

Chart 2110 Datum: WGS-84

Insert  ODAS Lp. (5) A 20s 32°08,08'S 052°05,88'W

S 81(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Enseada de Jurujuba - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1501 Datum: WGS-84

Insert  22°56,02'S 43°06,54'W

Chart 1506 Datum: WGS-84

Insert  22°56,02'S 43°06,54'W

Chart 1511 Datum: WGS-84

Insert  22°56,016'S 43°06,535'W

S 85(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ponta da Taquara vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 23300 (INT 2126) Datum: WGS-84

Insert  26°58,6'S 48°34,9'W

S 91(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Southeast of Ilha Queimada Grande - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (29)

Chart 21070 (INT 2008) Datum: WGS-84

Insert  24°32,9'S 46°38,4'W

Chart 23200 (INT 2125) Datum: WGS-84

Insert  24°32,9'S 46°38,4'W

S 111(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Barra de Paranaguá vicinity - Foul area

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31 e 31.2)

Chart 1820 Datum: WGS-84


Insert  with a circle of 1 nautical mile radius centered 25°40,11'S 48°08,22'W

Chart 21070 (INT 2008) Datum: WGS-84

Insert  25°40,1'S 48°08,2'W

Chart 23300 (INT 2126) Datum: WGS-84

Insert  25°40,1'S 48°08,2'W

S 153(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (28)

Chart 1711 Datum: WGS-84

Insert  23°55,37'S 46°20,12'W

Chart 1712 Datum: WGS-84

Insert  23°55,365'S 46°20,118'W

S 161(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baia da Ilha Grande - Bouyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^a ed., 2014, p. 53 P (1), 61 Q (9) and 69 S (3.3)

Chart 1607 Datum: WGS-84

Delete  *Lj. do Coronel (4)*
Lp(2)B.10s8m10M
Racon (T) 23°05,98'S 44°23,98'W

Chart 1631 Datum: WGS-84

Delete  *Lj. do Coronel (4)*
Lp(2)B.10s8m10M
Racon (T) 23°05,98'S 44°23,98'W

Chart 1632 Datum: WGS-84

Delete  *Lj. do Coronel (4)*
Lp(2)B.10s8m10M
Racon (T) 23°05,98'S 44°23,98'W

Chart 23100 (INT 2124) Datum: Datum: WGS-84


Delete  *Laje do Coronel*
Fl(2)W.10s8m10M
Racon (T) 23°06,0'S 44°24,0'W

S 163(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos - Dumping ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 52 N (62.1)

Chart 1712 Datum: WGS-84

Insert  with a circle of 0,3 nautical mile radius centered 23°53,677' S 46° 22,722' W

S 169(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baía de Guanabara - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 38 K (28)

Chart 1512 Datum: WGS-84

Insert  22°50,877' S 43°08,303' W

S 170(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baia da Ilha Grande - Wreck

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, pg. 37 K (26)

Chart 1621 Datum: Córrego Alegre

Insert  23°03,61'S 44°14,03'W

Chart 1631 Datum: WGS-84

Insert  23°03,63'S 44°14,04'W

Chart 1632 Datum: WGS-84

Insert  23°03,63'S 44°14,04'W

Chart 1636 Datum: WGS-84

Insert  23°03,626'S 44°14,038'W

S 172(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha do Givura vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 38 K (28).

This Notice cancels the Preliminary Notice S 166(P)/19

Chart 23200 (INT 2125) Datum: WGS-84

Replace  from: 24°12,0'S 46°47,6'W
to: 24°12,7'S 46°47,0'W

S 189(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos vicinity - Anchorage Area

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 48 N (12.1)

Chart 1711 Datum: WGS-84 (Last correction: 81/18)

Delete		joining the positions:	24° 02,97'S 46° 20,74'W 24° 05,33'S 46° 18,62'W 24° 05,97'S 46° 18,61'W 24° 05,97'S 46° 22,08'W
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Insert		joining the positions:	24° 03,75'S 46° 21,08'W 24° 03,75'S 46° 19,27'W 24° 05,23'S 46° 17,93'W 24° 06,00'S 46° 17,95'W 24° 05,97'S 46° 22,10'W
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Delete		joining the positions:	24° 05,33'S 46° 18,35'W 24° 05,33'S 46° 15,02'W 24° 10,04'S 46° 15,02'W 24° 10,04'S 46° 19,41'W 24° 06,03'S 46° 22,11'W 24° 06,03'S 46° 18,35'W
--------	--	------------------------	--

Insert		joining the positions:	24° 05,32'S 46° 17,87'W 24° 05,30'S 46° 10,00'W 24° 12,40'S 46° 10,00'W 24° 12,40'S 46° 12,83'W 24° 15,00'S 46° 12,83'W 24° 15,00'S 46° 19,40'W 24° 10,03'S 46° 19,42'W 24° 08,28'S 46° 20,58'W
--------	--	------------------------	--

Delete		joining the positions:	24° 05,33'S 46° 15,02'W 24° 05,33'S 46° 10,02'W 24° 14,98'S 46° 10,02'W 24° 14,98'S 46° 19,41'W 24° 10,04'S 46° 19,41'W 24° 10,04'S 46° 15,02'W
--------	--	------------------------	--

Insert		joining the positions:	24° 12,50'S 46° 12,73'W 24° 12,48'S 46° 10,00'W 24° 15,00'S 46° 10,00'W 24° 15,00'S 46° 12,73'W
--------	--	------------------------	--

Chart 1713 Datum: WGS-84 (Last correction: 111/17)

Delete		joining the positions:	24° 02,940'S 46° 20,720'W 24° 05,000'S 46° 18,871'W 24° 05,000'S 46° 21,653'W
--------	--	------------------------	---

Insert		joining the positions:	24° 03,750'S 46° 21,080'W 24° 03,750'S 46° 19,270'W 24° 05,000'S 46° 18,140'W 24° 05,000'S 46° 21,653'W
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S 190(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1711 Datum: WGS 84

Insert



24° 06,03'S 46° 22,13'W
24° 06,08'S 46° 17,95'W
24° 08,23'S 46° 17,97'W
24° 08,20'S 46° 22,68'W
24° 07,12'S 46° 22,68'W

S 200(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha grande vicinity - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10)

Chart 1636 Datum: WGS-84

Insert	24 ₅	23°03,809'S 44°13,773'W
Insert	19 ₃	23°03,673'S 44°14,260'W
Insert	22 ₄	23°03,828'S 44°14,265'W
Insert	22 ₂	23°03,873'S 44°14,826'W
Insert	18 ₇	23°03,554'S 44°14,961'W
Insert	21 ₆	23°03,822'S 44°15,258'W
Delete	29 ₅	23°03,802'S 44°13,749'W
Delete	38	23°03,813'S 44°14,297'W
Delete	22 ₅	23°03,548'S 44°14,946'W

S 206(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Itajaí vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1841 Datum: WGS-84

Insert



26°56,100'S 48°36,200'W
26°56,100'S 48°37,100'W
26°57,000'S 48°36,200'W
26°57,000'S 48°37,100'W

Chart 23300 (INT 2126) Datum: WGS 84

Insert



26°56,1'S 48°36,2'W
26°56,1'S 48°37,1'W
26°57,0'S 48°36,2'W
26°57,0'S 48°37,1'W

S 224(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha Grande vicinity - Automatic Identification System Transmitter (AIS)

Reference: INT 1 – Symbols, Abbreviations and Terms, 4^a ed., 2014, p. 70 S (17.1) and 53 P (1)

Chart 1620 Datum: Córrego Alegre - MG

Insert



23°28,60'S 43°58,87'W

S 230(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Rio Grande vicinity - Depth

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (10)

Chart 2101 Datum: WGS-84

Insert

12₄

32°04,660'S 52°05,337'W

Chart 2110 Datum: WGS-84

Insert

12₄

32°04,66'S 52°05,34'W

Chart 2112 Datum: Capitania Astronômica

Insert

12₄

32°04,61'S 52°05,21'W

Chart 23500 (INT 2128) Datum: WGS-84

Insert

12₄

32°04,7'S 52°05,3'W

Chart 23600 (INT 2129) Datum: WGS-84

Insert

12₄

32°04,7'S 52°05,3'W

S 239(P)/19 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

North of Ilha de Santa Catarina - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1902 Datum: WGS-84

Insert



27°25,50'S 48°27,05'W
27°25,57'S 48°27,04'W
27°25,66'S 48°27,82'W
27°25,62'S 48°28,26'W
27°25,55'S 48°28,25'W
27°25,58'S 48°27,83'W

S 4(P)/20 SOUTH ATLANTIC - BRASIL - SOUTH COAST

São Francisco do Sul vicinity - Buoyage

Reference: Chart 12000 – Symbols, Abbreviations and Terms, p. 61 Q (3)

Chart 1804 Datum: WGS-84

Delete  *Lj. do Paraná* 26°14,32'S 48°39,26'W

Chart 1804 (Plan) Datum: WGS-84

Delete  *Laje do Paraná* 26°14,320'S 48°39,259'W

S 14(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Canal do Porto de Santos - Works at sea

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 26 F (31)

Chart 1712 Datum: WGS-84

Insert  *Obras na água*
Works at sea 23°57,398'S 46°18,005'W
23°57,487'S 46°17,918'W
23°57,512'S 46°17,947'W
23°57,423'S 46°18,035'W

Chart 1713 Datum: WGS-84









Insert  *Obras na água*
Works at sea 23°57,398'S 46°18,005'W
23°57,487'S 46°17,918'W
23°57,512'S 46°17,947'W
23°57,423'S 46°18,035'W






S 52(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Itajaí - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg 66 Q (130.1) and 53 P (1)

Chart 1841 Datum: WGS-84

Delete		Iso.R.2s5M (no.1)		26°54,570'S 48°35,870'W
Insert		Fl.R.2s5M (no.1)		26°54,515'S 48°35,861'W
Delete		Iso.G.2s5M (no.2)		26°54,628'S 48°35,855'W
Insert		Fl.G.2s5M (no.2)		26°54,645'S 48°35,840'W
Move		Fl.R.3s (no.3)	from: to:	26°54,670'S 48°36,700'W 26°54,610'S 48°36,695'W
Move		Fl.G.3s (no.4)	from: to:	26°54,730'S 48°36,680'W 26°54,784'S 48°36,674'W
Move		Q(2)R.4s (no.5)	from: to:	26°54,780'S 48°37,770'W 26°54,720'S 48°37,580'W
Move		Fl.G.3s (no.6)	from: to:	26°54,830'S 48°37,560'W 26°54,880'S 48°37,560'W
Delete		Fl(3)R.10s15m10M (no.7)		26°54,770'S 48°38,194'W
Insert		Fl(3)R.10s14m10M (no.7)		26°54,720'S 48°38,260'W
Delete		Fl.R.6s6m6M (no.9)		26°54,723'S 48°38,508'W
Insert		Fl.R.6s (no.9)		26°54,740'S 48°38,450'W
Delete		Fl.R.3s5m5M (no.11)		26°54,613'S 48°38,763'W
Insert		Fl.R.6s (no.11)		26°54,690'S 48°38,650'W
Delete		Fl.G.3s5m5M (no.12)		26°54,763'S 48°38,801'W
Insert		Fl.Y.2,5s9m8M (no.12)		26°54,830'S 48°38,610'W
Delete		Q(2).R.3s6m5M (no.13)		26°54,293'S 48°39,072'W
Insert		Fl.R.6s (no.13)		26°54,460'S 48°38,960'W

Delete		FI(3)G.12s5m5M (no.14)	26°54,660'S 48°38,978'W
Inserir		FI.Y.3s9m8M (no.14)	26°54,920'S 48°38,700'W
Insert		Q(2).R.4s9m5M (no.15)	26°54,290'S 48°39,070'W
Insert		FI(3)G.12s9m5M (no.16)	26°54,870'S 48°38,940'W
Insert		FI(3)G.12s9m5M (no.18)	26°54,640'S 48°39,010'W

S 53(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Itajaí - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 53 P (1)

Chart 1841 Datum: WGS-84

Move		FI. G.3s16m10M (no.8)	from: to:	26°54,890'S 48°38,010'W 26°54,880'S 48°37,980'W
Move		Q(2)G.3s 6m 5M (no.10)	from: to:	26°54,860'S 48°38,480'W 26°54,850'S 48°38,470'W

S 54(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Baía de Guanabara - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014 pg. 65 Q (a) (i)

Chart 1511 Datum: WGS-84

Delete		(no.4)	22°53,170'S 43°12,600'W
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Chart 1512 Datum: WGS-84

Delete		(no.4)	22°53,170'S 43°12,600'W
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S 64(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Rio Itajaí - Açú - Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 31 I (14)

Chart 1841 Datum: WGS-84

Replace 8₇ with 5₉ 26°52,460'S 48°41,380'W

Insert  *Obstn* 26°52,390'S 48°41,370'W

Insert  *Obstn* 26°52,370'S 48°41,330'W

Chart 1841 (Plan) Datum: WGS-84

Replace 8₇ with 5₉ 26°52,460'S 48°41,380'W

Insert  *Obstn* 26°52,390'S 48°41,370'W

Insert  *Obstn* 26°52,370'S 48°41,330'W

S 70(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de São Francisco do Sul vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

Chart 1804 Datum: WGS-84

This Notice cancels Preliminary S 205(P)/19

Insert  *Área de Despejo* 26°07,13'S 48°26,68'W
26°07,11'S 48°25,72'W
26°07,59'S 48°25,41'W
26°08,00'S 48°25,70'W
26°07,99'S 48°26,66'W

Chart 1830 Datum: Itajubá

Insert  *Área de Despejo* 26°07,10'S 48°26,60'W
26°07,08'S 48°25,64'W
26°07,56'S 48°25,33'W
26°07,97'S 48°25,62'W
26°07,96'S 48°26,58'W

S 73(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Praia do Cassino vicinity - Spoil ground

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 52 N (62.1)

This Notice cancels Preliminary S 169(P)/18

Chart 2110 Datum: WGS-84

Insert



32°18,87'S 52°02,65'W
32°16,53'S 51°59,27'W
32°19,25'S 51°56,59'W
32°21,00'S 51°59,02'W
32°21,00'S 52°00,68'W

Chart 23600 (INT 2129) Datum: WGS-84

Insert



32°18,9'S 52°02,7'W
32°16,5'S 51°59,3'W
32°19,3'S 51°56,6'W
32°21,7'S 52°00,0'W

S 74(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Canal de Piaçaguera - Porto de Santos - Foul area

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31)

Chart 1712 Datum: WGS-84

Insert



23°55,292'S 46°20,550'W

S 78(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos - Obstruction

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (40 e 41)

Chart 1712 Datum: WGS-84

Insert



23°56.054'S 046°18.911'W

Insert



23°56.246'S 046°18.587'W
23°56.206'S 046°18.593'W
23°56.203'S 046°18.571'W
23°56.211'S 046°18.580'W
23°56.243'S 046°18.568'W

S 85(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha do Toque-Toque - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

This notice cancels Preliminary S 89(P)/19.

Chart 1640 Datum: WGS-84



Delete  Fl.W.6s.35m12M 23°51,34'S 45°31,50'W

Chart 23100 (INT 2124) Datum: WGS-84

Delete  Fl.W.6s.35m12M 23°51,3'S 45°31,5'W

S 86(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha de São Sebastião - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 53 P (1)

This notice cancels Preliminary S 45(P)/19.

Chart 30 (INT 201) Datum: WGS-84

Delete  23°46,6'S 45°13,8'W

Chart 1640 Datum: WGS-84

Delete  LFI.W.15s60m16M 23°46,60'S 45°13,84'W

Chart 21070 (INT 2008) Datum: WGS-84

Delete  LFI.W.16M 23°46,6'S 45°13,8'W

Chart 23100 (INT 2124) Datum: WGS-84

Delete  LFI.W.15s60m16M 23°46,6'S 45°13,8'W

S 88(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de São Francisco do Sul - Buoyage


Republished: see correction in highlight (originally published in Notices to Mariners nº 16/20).

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 66 Q (130.1)

Chart 1804 Datum: WGS-84

Delete		<i>Lp.E.3s5M</i> (no.1)	26°09,82'S 48°30,98'W
Insert		<i>Lp.E.3s5M</i> (no.5)	26°09,79'S 48°31,00'W
Delete		<i>Lp.E.3s5M</i> (no.3)	26°09,49'S 48°31,30'W
Insert		<i>Lp.E.3s5M</i> (no.7)	26°09,49'S 48°31,32'W
Delete		<i>Lp.E.3s5M</i> (no.5)	26°09,17'S 48°31,67'W
Insert		<i>Lp.E.3s5M</i> (no.9)	26°09,15'S 48°31,67'W
Delete		<i>Lp.E.3s5M</i> (no.7)	26°08,86'S 48°32,27'W
Insert		<i>R.E.5M</i> (no.11)	26°08,84'S 48°32,12'W
Move		<i>Lp.V.3s5M</i> (no.12)	from: 26°09,02'S 48°32,11'W to: 26°08,96'S 48°32,12'W
Move		<i>R.V.5M</i> (no.14)	from: 26°09,11'S 48°32,57'W to: 26°08,93'S 48°32,48'W
Move		<i>R.E</i>	from: 26°13,27'S 48°38,41'W to: 26°13,26'S 48°38,40'W
Move		<i>Lp.E.3s</i>	from: 26°13,71'S 48°38,65'W to: 26°13,77'S 48°38,70'W
Move		<i>R.V</i>	from: 26°13,34'S 48°38,31'W to: 26°13,34'S 48°38,33'W
Move		<i>Lp.V.3s</i>	from: 26°13,76'S 48°38,55'W to: 26°13,80'S 48°38,57'W
Insert		<i>Lp.E.3s5M</i> (no.1)	26°10,93'S 48°29,81'W
Insert		<i>R.E.5M</i> (no.3)	26°10,34'S 48°30,43'W

Chart 1804 (Plan) Datum: WGS-84

Move		<i>R.E</i> (no.1)	from: 26°13,270'S 48°38,410'W to: 26°13,263'S 48°38,404'W
Move		<i>Lp.E.3s</i> (no.3)	from: 26°13,710'S 48°38,650'W to: 26°13,769'S 48°38,700'W
Move		<i>R.V</i> (no.4)	from: 26°13,340'S 48°38,310'W to: 26°13,340'S 48°38,325'W
Move		<i>Lp.V.3s</i> (no.6)	from: 26°13,760'S 48°38,550'W to: 26°13,795'S 48°38,570'W

S 93(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Rio Grande vicinity - Danger line and Depths

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 36 K (1) and 31 I (10)

Chart 2101 Datum: WGS-84

Insert (danger line) lower depth 9,7m, joining positions	32°03,194'S 52°04,188'W 32°03,251'S 52°04,160'W 32°03,320'S 52°04,170'W 32°03,338'S 52°04,178'W 32°03,314'S 52°04,176'W 32°03,263'S 52°04,181'W 32°03,230'S 52°04,186'W 32°03,206'S 52°04,187'W
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Insert	9 ₇	32°03,258'S 52°04,172'W
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Chart 2110 Datum: WGS-84

Insert (danger line) lower depth 9,7m, joining positions	32°03,19'S 52°04,19'W 32°03,25'S 52°04,16'W 32°03,32'S 52°04,17'W 32°03,34'S 52°04,18'W 32°03,31'S 52°04,18'W 32°03,26'S 52°04,18'W 32°03,23'S 52°04,19'W 32°03,21'S 52°04,19'W
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Insert	9 ₇	32°03,26'S 52°04,17'W
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S 97(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto do Rio de Janeiro - Foul area

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31)

Chart 1511 Datum: WGS-84

Insert # 22°53,266'S 043°12,900'W

Chart 1512 Datum: WGS-84

Insert # 22°53,266'S 043°12,900'W

S 101(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Santos vicinity - Note

Chart 1711 Datum: WGS-84

Replace Área de fundeio No. 4 - para navios com programação de atracação, porém sem definição de dia e hora.
Área de fundeio No. 5 - para navios ainda sem programação de atracação. 23°58,60'S 46°39,40'W

with Área de fundeio No. 4 - para navios com ou sem programação de atracação.
Área de fundeio No. 5 - para navios com cargas inflamáveis ou explosivas.

S 121(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha das Peças vicinity - Buoyage

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 67 Q (130.3)

This Notice cancels Preliminary S 182(P)/18

Chart 1820 Datum: WGS-84

Delete  25°29,48'S 48°17,22'W

Delete  25°29,46'S 48°17,42'W

Chart 1821 Datum: WGS-84

Delete  25°29,48'S 48°17,22'W

Delete  25°29,46'S 48°17,42'W

S 134(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Mangaratiba Vicinity - Wrecks

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 38 K (28)

This Notice cancels Preliminary S 10(P)/18

Chart 1607 Datum: WGS-84

Insert  22°57,65'S 44°02,65'W

Chart 1620 Datum: Córrego Alegre - MG


Insert  22°57,62'S 44°02,63'W

Chart 1621 Datum: Córrego Alegre - MG

Insert  22°57,62'S 44°02,63'W

Chart 1624 Datum: WGS-84

Insert  22°57,65'S 44°02,65'W

S 135(P)/20 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ilha Guaíba vicinity - Wreck

Reference: INT 1 – Symbols, Abbreviations and Terms used on charts, 4^e ed., 2014, p. 38 K (28)

This Notice cancels Preliminary S 34(P)/20

Chart 1607 Datum: WGS-84

Insert  23°02,38'S 44°02,30'W

Chart 1620 Datum: Córrego Alegre - MG

Insert  23°02,36'S 44°02,29'W

Chart 1621 Datum: Córrego Alegre - MG

Insert  23°02,36'S 44°02,29'W

Chart 1621 (Plan) Datum: Córrego Alegre - MG

Insert  23°02,355'S 44°02,287'W

Chart 1624 Datum: WGS-84

Insert  23°02,38'S 44°02,30'W

Chart 23100 (INT 2124) Datum: WGS-84

Insert  23°02,38'S 44°02,30'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

S 1(P)/21 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Cancel of NM

Cancel Preliminary Notice S 159(P)/17 and this NM (P).

S 2(P)/21 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ponta dos Limões vicinity - Dephts

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4a ed., 2014, pg. 31 I (10)

Chart 1713 Datum: WGS-84

Insert	8_8	23°59,84'S 46°20,00'W
Insert	12_7	23°59,83'S 46°19,97'W

S 3/21 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Ponta Azeda vicinity - Dephts

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4a ed., 2014, pg. 31 I (10)

Chart 1643 Datum: WGS-84 (Nil)

Delete	18_6	23°44,615'S 45°21,100'W
Insert	15_6	23°44,615'S 45°21,091'W

S 4(P)/21 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de São Francisco do Sul - Dephts

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4a ed., 2014, pg. 31 I (10)

Chart 1804 Datum: WGS-84

Delete	15 ₂	26°14,12'S 48°38,38'W
Delete	11 ₇	26°14,22'S 48°38,30'W
Delete	12 ₈	26°14,25'S 48°38,20'W
Delete	11 ₅	26°14,27'S 48°38,35'W
Insert	14 ₁	26°14,14'S 48°38,37'W
Insert	8 ₄	26°14,20'S 48°38,28'W
Insert	9	26°14,24'S 48°38,21'W
Insert	11 ₆	26°14,08'S 48°38,32'W
Insert	9 ₆	26°14,29'S 48°38,33'W

Chart 1804 (Plano) Datum: WGS-84

Delete	13 ₇	26°14,077'S 48°38,301'W
Delete	15 ₂	26°14,122'S 48°38,378'W
Delete	12 ₂	26°14,193'S 48°38,475'W
Delete	12	26°14,220'S 48°38,422'W
Delete	13	26°14,142'S 48°38,284'W
Delete	12 ₈	26°14,193'S 48°38,238'W
Delete	11 ₇	26°14,223'S 48°38,303'W
Delete	11	26°14,262'S 48°38,261'W
Delete	12 ₈	26°14,248'S 48°38,199'W
Delete	11 ₅	26°14,279'S 48°38,325'W
Insert	11 ₆	26°14,076'S 48°38,315'W
Insert	14 ₁	26°14,135'S 48°38,371'W
Insert	11 ₈	26°14,193'S 48°38,475'W
Insert	11 ₁	26°14,220'S 48°38,433'W
Insert	9 ₅	26°14,144'S 48°38,281'W
Insert	9 ₈	26°14,192'S 48°38,246'W
Insert	8 ₄	26°14,200'S 48°38,285'W
Insert	9 ₉	26°14,233'S 48°38,291'W
Insert	8 ₉	26°14,258'S 48°38,266'W
Insert	9	26°14,245'S 48°38,208'W
Insert	9 ₆	26°14,287'S 48°38,327'W

S 5/21 SOUTH ATLANTIC - BRAZIL - SOUTH COAST

Porto de Itaguaí - Foul area

Reference: INT 1 – Symbols, Abbreviations and Terms used on Charts, 4th ed., 2014, p. 38 K (31)

Cancel Preliminary Notice S 137(P)/20.

Chart 1607 Datum: WGS-84 (Last correction: 79/20)

Insert # 22°56,317'S 43°50,948'W

Chart 1622 Datum: WGS-84 (Last correction: 128/20)

Insert # 22°56,317'S 43°50,948'W

TEMPORARY (T) and PRELIMINARY (P) NOTICES in force, published in former Notices to Mariners:

***HG 139(T)/93 BRAZIL - LAGOA DOS PATOS**

Existence of silting up

Chart 2105

Canal da Feitoria

Silting up along the channel, in area among small lighthouses n°s 68 and 71 and unlit buoys n°s 80 and 83. Due to narrowing of the channel, mariners, during navigation, should keep between longitudinal axis of the channel and at a minimum depth of 15 metres from the edge of the channel delimited by pairs signals. Put in mind that the buoyage is at 35 metres from the edges of the channel, outward.

Mariners in this area should avoid crossing and surpass vessels.

This Notice replace Preliminar Notice n° P 83(P)/93.

***HG 65(T)/95 BRAZIL - LAGOA DOS PATOS**

Rio Guaíba - Porto Alegre and ilha do Chico Inglês vicinity - Existence of sunken wreck

Charts 2113 - 2109 - 2111 - 2140

Position - 30° 01'.00 S 51° 13'.30 W

Existence of sunken wreck in position, signaled by a "isolated danger unlit buoy".

This Notice cancels Radio Warning P 7203 and Temporary Notice n° S 33(T)/95.

***HG 164(P)/96 BRAZIL - LAGOA DOS PATOS**

Ponta do Melo vicinity - Canal do Cristal - Existence of silting up

Charts 2109 - 2111 - 2140

Position - 30° 04'.30 S 51° 14'.72 W

Existence of silting up in the channel of the Cristal small lighthouse Cristal n° 129 vicinity.

This Notice cancels Radio Warning P 7675/96.

***HG 176(T)/97 BRAZIL - LAGOA DOS PATOS**

Existence of area silted up

Charts 2103 - 2105 - 2106 - 2107 - 2108 - 2109 - 2111 - 2112

Deficient buoyage due to existence of areas silted up with estimated reestablishment after dredging, affecting safety of navigation in channels: São Gonçalo, da Feitoria, do Nascimento, do Junco, de Belém, do Leitão and das Pedras Brancas.

Mariners should navigate in the referred channels only in daylight, with good visibility and with full knowledge of area.

This Notice cancels Radio Warning P 7791/97 and Temporary Notice n° P 127(T)/97.

***HG 75(P)/98 BRAZIL - LAGOA DOS PATOS**

Channels: Coroa do Meio, Junco, Belém, Leitão and Pedras Brancas - Existence of minor depths

Charts 2103 - 2108 - 2109

Existence of minor depths 4,5 metres in Coroa do Meio channel between Coroa do Meio nº 56 and Gambeta nº 55 small lighthouses, 4,5 metres in Junco and Belém channels between light-buoy nº 114 and the unlit buoy Belém nº 109, 4,3 metres in Leitão channel near light-buoy nº 132 and 4,3 metres in Pedras Brancas channel between Piava nº 127 and Veleiros do Sul small lighthouses in Vila Assunção.

This Notice cancels Radio Warning P 7131/98.

***HG 31(P)/00 BRAZIL - LAGOA DOS PATOS**

Ponta do Laranjal vicinity - Canal da Barra - Alterations in bathymetry, in limit of channel and in dredged channel

Charts 2104 - 2103

Positions: a) 31° 48'.20 S 52° 10'.55 W f) 31° 47'.75 S 52° 11'.92 W k) 31° 47'.44 S 52° 12'.69 W
b) 31° 48'.22 S 52° 10'.55 W g) 31° 47'.63 S 52° 12'.21 W l) 31° 47'.46 S 52° 12'.70 W
c) 31° 47'.77 S 52° 11'.77 W h) 31° 47'.67 S 52° 12'.22 W m) 31° 47'.39 S 52° 12'.91 W
d) 31° 47'.80 S 52° 11'.78 W i) 31° 47'.51 S 52° 12'.53 W
e) 31° 47'.73 S 52° 11'.91 W j) 31° 47'.53 S 52° 12'.54 W

Mariners should be attentive to the new limit of channel of Barra: At "starboard hand" among positions a), c), e), g), i), k) and m) and at "port hand" among b), d), f), h), j) and l).

The legend "Dragado a 4,3 m (1999)" will be inserted in new channel of Barra.

The legend "Dragado a 2,4m (1983)" will be canceled from old channel of Barra.

HG 14(P)/19 BRAZIL - LAGOA DOS PATOS

Lagoa dos Patos - Buoyage

Reference: Chart INT 1 – Symbols, Abbreviations and Terms used on Charts 4th ed., 2014, p. 53 P (1), 66 Q (130.1), 67 Q (130.4) and 67 Q (130.6)

Chart 2102 Datum: Capitania Astronômica

Delete	 Farolete Setia (no. 28) Lp.V.5s7m9M	31°53,13'S 52°09,06'W
Delete	 Farolete Diamante (no. 22) Lp.V.5s6m9M	31°57,25'S 52°04,73'W

Chart 2107 Datum: Capitania Astronômica

Delete	 (no. 100)	30°20,920'S 51°03,700'W
Delete	 (no. 89) Lp.E.5s	30°23,280'S 51°03,550'W

Chart 2108 Datum: Capitania Astronômica

Delete	 (no. 108)	30°19,530'S 51°06,280'W
Delete	 (no. 100)	30°20,920'S 51°03,700'W
Delete	 (no. 89) Lp.E.5s	30°23,280'S 51°03,550'W

Chart 2109 Datum: Capitania Astronômica

Delete		30°01,32'S 51°13,41'W
Delete		30°01,38'S 51°13,50'W
Delete		30°01,41'S 51°13,52'W
Delete		30°02,30'S 51°14,74'W
Delete		30°10,52'S 51°16,73'W

Chart 2111 Datum: Capitania Astronômica

Delete	 (no. 1)	29°58,93'S 51°12,94'W
Delete		30°02,30'S 51°14,74'W
Delete		30°10,52'S 51°16,73'W
Delete	 (no. 108)	30°19,53'S 51°06,28'W
Delete	 (no. 100)	30°20,92'S 51°03,70'W
Delete	 (no. 89) Lp.E.5s	30°23,28'S 51°03,55'W

Chart 2112 Datum: Capitania Astronômica

Delete		31°53,13'S 52°09,06'W
Delete		31°57,25'S 52°04,73'W

Chart 2113 Datum: Corrego Alegre-MG

Delete			29°56,110'S 51°15,040'W
Delete		(no. 1)	29°58,930'S 51°12,940'W
Delete			30°01,320'S 51°13,410'W
Delete			30°01,380'S 51°13,500'W
Delete			30°01,410'S 51°13,520'W

Chart 2140 Datum: Capitania Astronômica







Delete		Lp.V.5s5M	30°49,62'S 51°17,37'W
Delete		Lp.E.5s5M	30°53,28'S 51°08,42'W
Delete		Lp.E.5s5M	31°02,19'S 51°09,75'W
Delete		Fte. S. Lourenço (Curva) Lp.E.5s8m7M	31°22,81'S 51°57,96'W
Delete		Fte. S. Lourenço Lp.V.5s6m8M	31°23,40'S 51°57,45'W
Delete			31°32,80'S 51°54,97'W

Chart 2140 Fundeadouro de S. Lourenço do Sul Datum: Capitania Astronômica

Delete		Fte. S. Lourenço (Curva) Lp.E.5s8m7M	31°22,81'S 51°57,96'W
Delete		Fte. S. Lourenço Lp.V.5s6m8M	31°23,40'S 51°57,45'W




Chart 2140 Enseada de Tapes Datum: Capitania Astronômica

Delete		Lp.V.5s5M	30°49,62'S 51°17,37'W
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Chart 2140 Fundeadouro de Cristovão Pereira Datum: Capitania Astronômica

Delete		Lp.E.5s5M	31°02,19'S 51°09,75'W
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Chart 23500 (INT 2128) Datum: WGS-84

Delete		Faroete São Lourenço (Curva) Fl.R.5s8m7M	31°22,8'S 51°58,0'W
Delete		Faroete São Lourenço Fl.G.5s6m8M	31°23,4'S 51°57,5'W
Delete			31°32,8'S 51°55,0'W

TEMPORARY (T), PRELIMINARY (P) and PERMANENT NOTICES in the fortnight:

Nil.

SECTION IV – SPECIAL PERMANENT NOTICES

SPECIAL PERMANENT NOTICES in force, published in former Notices to Mariners:

SPN *8/99 INTERNATIONAL COMMISSION ON WHALE - FRANCA WHALE - RECOMMENDATION ON SPECIFIC PRECAUTIONS

Between May and November, franca whales (*Eubalaena australis*), under extinction menace and protected by law, that can have 18 metres length and 40 tons weight, reach Brazilian coast between ilha de Bom Abrigo and Cabo de Santa Marta Grande offering collision risk.

Mariners are advised to have special caution and be attentive when navigate in this period of the year in the area.

SPN *8/01 SUBMARINES IN EXERCISE - PRECAUTIONS

Submarines of Brazilian Navy, when in immersion exercise, may or not be accompanied with a warship.

In the first case, the ship will carry an International Signal Code hanged, informing the presence of at least one submarine in exercise. All the other ones, warship or marchant ship, not in exercise should keep away.

When a vessel look out, on surface, one or two buoys orange painted, showing pulsative fixed white light with little intensity, or even unlighted, she must send a craft to ascertain them, as they may be of a submarine in difficulty, needing help.

The marker and transmitter buoys of Brazilian submarines transmit signals with the following characteristics:

SUBMARINE CLASS TUPI - The marker and trans-mitter buoy of submarine classe Tupi has orange color, with gray vertical bands, 86 centimetres diameter, 2,47 metres height, floating, and pulsative white light, with about 33 pulses every minute. It has two transmitter antennas, being one in HF and another in UHF. The HF antenna has minimum frequency 8364 kHz, potence 15 mW, and emission in cw. The UHF antenna has frequency 243 MHz, potence 250 mW, and emission in cw. It also has one plate with instructions in Portuguese/English with the following words: "AVISAR A AUTORIDADE NAVAL COMPETENTE SUBMARINO AFUNDADO / FINDER INFORM NAVY COAST GUARD OR POLICE DO NOT SECURE TO OR TOUCH". The duration of operative cicle is of 72 hours of functioning. The marker/trnsmmitter buoy is moored to the submarine.

Exemple of sequence of transmission in HF: it begins with a period of silence of 120 seconds - transmits three times the indicative of the sub- marine, in a period about 30 seconds - transmits SOS SOS SOS SOS SOS SOS, in a period of 27 seconds - transmits SUBSUNK SUBSUNK SUBSUNK, in a period of 36 seconds - emits a goniometric signal, during 30 seconds - repeats the sequence - begins a new period of silence of 120 seconds.

In addition to marker/transmitter buoy, a submarine in difficulty can signal with air or oil bubble. When a vessel look out any of these buoys or receive any of the described radio signal, she must communicate this fact with maximum urgency to the nearest warship or to the first authority she could contact. In no hypothesis any type of ship can be moored to the referred buoys.

When operating within Brazilian waters limit, and navigating on surface, submarines may show, in addition to the conventional lights fixed in COLREG, an omnidirectional brown light, intermittent, with 90 pulses every minute, according to rule 36 of COLREG. If necessary, they can show only an intermittent light.

This Notice replaces SPN n° 6/99.

**ANNEX IV
PREVENTION OF MARINE POLLUTION**

**ARTICLE 1
DEFINITIONS**

For the purposes of this Annex:

- (a) "discharge" means any release howsoever caused from a ship and includes any escape, disposal, spilling, leaking, pumping, emitting or emptying;
- (b) "garbage" means all kinds of victual, domestic and operational waste excluding fresh fish and parts thereof, generated during the normal operation of the ship, except those substances which are covered by Articles 3 and 4;
- (c) "MARPOL 73/78" means the International Convention for the Prevention of Pollution from Ships, 1973, as amended by the Protocol of 1978 relating thereto and by any other amendment in force thereafter;
- (d) "noxious liquid substance" means any noxious liquid substance as defined in Annex II of MARPOL 73/78;
- (e) "oil" means petroleum in any form including crude oil, fuel oil, sludge, oil refuse and refined oil products (other than petrochemicals which are subject to the provisions of Article 4);
- (f) "oily mixture" means a mixture with any oil content; and
- (g) "ship" means a vessel of any type whatsoever operating in the marine environment and includes hydrofoil boats, air-cushion vehicles, submersibles, floating craft and fixed or floating platforms.

**ARTICLE 2
APPLICATION**

This Annex applies, with respect to each Party, to ships entitled to fly its flag and to any other ship engaged in or supporting its Antarctic operations, while operating in the Antarctic Treaty area.

**ARTICLE 3
DISCHARGE OF OIL**

1. Any discharge into the sea of oil or oily mixture shall be prohibited, except in cases permitted under Annex I of MARPOL 73/78. While operating in the Antarctic Treaty area, ships shall retain on board all sludge, dirty ballast, tank washing waters and other oily residues and mixtures which may not be discharged into the sea. Ships shall discharge these residues only outside the Antarctic Treaty area, at reception facilities or as otherwise permitted under Annex I of MARPOL 73/78.

2. This Article shall not apply to:

- (a) the discharge into the sea of oil or oily mixture resulting from damage to a ship or its equipment:
 - (i) provided that all reasonable precautions have been taken after the occurrence of the damage or discovery of the discharge for the purpose of preventing or minimising the discharge; and
 - (ii) except if the owner or the Master acted either with intent to cause damage, or recklessly and with the knowledge that damage would probably result; or
- (b) the discharge into the sea of substances containing oil which are being used for the purpose of combating specific pollution incidents in order to minimise the damage from pollution.

**ARTICLE 4
DISCHARGE OF NOXIOUS LIQUID SUBSTANCES**

The discharge into the sea of any noxious liquid substance, and any other chemical or other substances, in quantities or concentrations that are harmful to the marine environment, shall be prohibited.

**ARTICLE 5
DISPOSAL OF GARBAGE**

1. The disposal into the sea of all plastics, including but not limited to synthetic ropes, synthetic fishing nets, and plastic garbage bags, shall be prohibited.

2. The disposal into the sea of all other garbage, including paper products, rags, glass, metal, bottles, crockery, incineration ash, dunnage, lining and packing materials, shall be prohibited.

3. The disposal into the sea of food wastes may be permitted when they have been passed through a comminuter or grinder, provided that such disposal shall, except in cases permitted under Annex V of MARPOL 73/78, be made as far as practicable from land and ice shelves but in any case not less than 12 nautical miles from the nearest land or ice shelf. Such comminuted or ground food wastes shall be capable of passing through a screen with openings no greater than 25 millimeters.

4. When a substance or material covered by this article is mixed with other such substance or material for discharge or disposal, having different disposal or discharge requirements, the most stringent disposal or discharge requirements shall apply.

5. The provisions of paragraphs 1 and 2 above shall not apply to:

- (a) the escape of garbage resulting from damage to a ship or its equipment provided all reasonable precautions have been taken,

before and after the occurrence of the damage, for the purpose of preventing or minimising the escape; or
(b) the accidental loss of synthetic fishing nets, provided all reasonable precautions have been taken to prevent such loss.
6. The Parties shall, where appropriate, require the use of garbage record books.

ARTICLE 6 DISCHARGE OF SEWAGE

1. Except where it would unduly impair Antarctic operations:
(a) each Party shall eliminate all discharge into the sea of untreated sewage ("sewage" being defined in Annex IV of MARPOL 73/78) within 12 nautical miles of land or ice shelves;
(b) beyond such distance, sewage stored in a holding tank shall not be discharged instantaneously but at a moderate rate and, where practicable, while the ship is en route at a speed of no less than 4 knots.
This paragraph does not apply to ships certified to carry not more than 10 persons.
2. The Parties shall, where appropriate, require the use of sewage record books.

ARTICLE 7 CASES OF EMERGENCY

1. Articles 3, 4, 5 and 6 of this Annex shall not apply in cases of emergency relating to the safety of a ship and those on board or saving life at sea.
2. Notice of activities undertaken in cases of emergency shall be circulated immediately to all Parties and to the Committee.

ARTICLE 8 EFFECT ON DEPENDENT AND ASSOCIATED ECOSYSTEMS

In implementing the provisions of this Annex, due consideration shall be given to the need to avoid detrimental effects on dependent and associated ecosystems, outside the Antarctic Treaty area.

ARTICLE 9 SHIP RETENTION CAPACITY AND RECEPTION FACILITIES

1. Each Party shall undertake to ensure that all ships entitled to fly its flag and any other ship engaged in or supporting its Antarctic operations, before entering the Antarctic Treaty area, are fitted with a tank or tanks of sufficient capacity on board for the retention of all sludge, dirty ballast, tank washing water and other oil residues and mixtures, and have sufficient capacity on board for the retention of garbage, while operating in the Antarctic Treaty area and have concluded arrangements to discharge such oily residues and garbage at a reception facility after leaving that area. Ships shall also have sufficient capacity on board for the retention of noxious liquid substances.
2. Each Party at whose ports ships depart en route to or arrive from the Antarctic Treaty area undertakes to ensure that as soon as practicable adequate facilities are provided for the reception of all sludge, dirty ballast, tank washing water, other oily residues and mixtures, and garbage from ships, without causing undue delay, and according to the needs of the ships using them.
3. Parties operating ships which depart to or arrive from the Antarctic Treaty area at ports of other Parties shall consult with those Parties with a view to ensuring that the establishment of port reception facilities does not place an inequitable burden on Parties adjacent to the Antarctic Treaty area.

ARTICLE 10 DESIGN, CONSTRUCTION, MANNING AND EQUIPMENT OF SHIPS

In the design, construction, manning and equipment of ships engaged in or supporting Antarctic operations, each Party shall take into account the objectives of this Annex.

ARTICLE 11 SOVEREIGN IMMUNITY

1. This Annex shall not apply to any warship, naval auxiliary or other ship owned or operated by a State and used, for the time being, only on government non-commercial service. However, each Party shall ensure by the adoption of appropriate measures not impairing the operations or operational capabilities of such ships owned or operated by it, that such ships act in a manner consistent, so far as is reasonable and practicable, with this Annex.
2. In applying paragraph 1 above, each Party shall take into account the importance of protecting the Antarctic environment.
3. Each Party shall inform the other Parties of how it implements this provision.
4. The dispute settlement procedure set out in Articles 18 to 20 of the Protocol shall not apply to this Article.

ARTICLE 12
PREVENTIVE MEASURES AND EMERGENCY PREPAREDNESS AND RESPONSE

1. In order to respond more effectively to marine pollution emergencies or the threat thereof in the Antarctic Treaty area, the Parties, in accordance with Article 15 of the Protocol, shall develop contingency plans for marine pollution response in the Antarctic Treaty area, including contingency plans for ships (other than small boats that are part of the operations of fixed sites or of ships) operating in the Antarctic Treaty area, particularly ships carrying oil as cargo, and for oil spills, originating from coastal installations, which enter into the marine environment. To this end they shall:

- (a) co-operate in the formulation and implementation of such plans; and
- (b) draw on the advice of the Committee, the International Maritime Organization and other international organizations.

2. The Parties shall also establish procedures for cooperative response to pollution emergencies and shall take appropriate response actions in accordance with such procedures.

ARTICLE 13
REVIEW

The Parties shall keep under continuous review the provisions of this Annex and other measures to prevent, reduce and respond to pollution of the Antarctic marine environment, including any amendments and new regulations adopted under MARPOL 73/78, with a view to achieving the objectives of this Annex.

ARTICLE 14
RELATIONSHIP WITH MARPOL 73/78

With respect to those Parties which are also Parties to MARPOL 73/78, nothing in this Annex shall derogate from the specific rights and obligations thereunder.

ARTICLE 15
AMENDMENT OR MODIFICATION

1. This Annex may be amended or modified by a measure adopted in accordance with Article IX (1) of the Antarctic Treaty. Unless the measure specifies otherwise, the amendment or modification shall be deemed to have been approved, and shall become effective, one year after the close of the Antarctic Treaty Consultative Meeting at which it was adopted, unless one or more of the Antarctic Treaty Consultative Parties notifies the Depositary, within that time period, that it wishes an extension of that period or that it is unable to approve the measure.

2. Any amendment or modification of this Annex which becomes effective in accordance with paragraph 1 above shall thereafter become effective as to any other Party when notice of approval by it has been received by the Depositary.

SPN *1/16 ISSUE OF INFORMATION ON METEOROLOGY

1 - TRANSMISSIONS OF METEOROLOGICAL CHARTS BY RADIOFACSIMILE

Since 1st July 2003, Serviço Meteorológico Marinho, of Brazilian Navy, transmits by meteorological radiofacsimile, in frequencies 12 665 and 16 978 kHz, in addition to chart of pressure to surface, daily models of sea water temperature, waves and winds estimated for 36 hours.

BEGINNING	END	EMISSION
0745	0925	F3C (white + 400 Hz) (black - 400 Hz)
1630	1810	F3C (white + 400 Hz) (black - 400 Hz)

Characteristic of transmission: speed of tambour = 120/576.

2 - TRANSMISSION OF METEOROLOGICAL BULLETINS BY PWZ-33

The Meteorological Bulletins (Meteoromarinha) transmitted by Estação Rádio da Marinha in Rio de Janeiro (PWZ-33) have the following schedules:

RD: Issue J2D - Freq. 4266.0; 6448.0; 8580.0; 12709.0 and 16974.0 kHz - 0230Z to 0330Z, 0600Z to 0730Z and 1845Z to 1930Z.

3 - METEOROLOGICAL FORECAST AND SYNOPTICAL CHARTS

The meteorological forecast bulletins (METEOROMARINHA) and synoptical charts, as well other products produced by Serviço Meteorológico Marinho, related to schedules 0000Z and 1200Z, are available daily in internet in the following address: <http://www.mar.mil.br/dhn/chm/meteo>

4 - METEOROLOGICAL WARNINGS

In order to optimise the use of the meteorological forecasts by users, since 01/OCT/03, part III of Meteoromarinha Bulletin (weather forecast) suffers a displacement of 12 hours with relation to part II (analysis). Therefore, the bulletin with reference to the 0000Z analysis will contain forecasts from 1200Z to 1200Z of the other day, as the bulletin with reference to the 1200Z analysis will contain forecasts from 0000Z to 0000Z of the other day. Means of transmission and time schedules will remain the same.

Seeking standardisation with other Marine Meteorological Services, since 01/OCT/03, the unit "kilometre", to describe forecast visibility, was replaced by the terminology described in the table below:

VISIBILITY TABLE			
Português - Portuguese	Inglês - English	Milhas Náuticas - Nautical Miles	Km
Muito restrita	Very poor	< 0.5	< 1
Restrita	Poor	0.5 a 2	1 a 4
Moderada	Moderate	2 a 5	4 a 10
Boa	Good	> 5	> 10

Seeking standardisation with other Marine Meteorological Services, since 01/OCT/03, the Navy Hydrographic Centre started to utilise the following abbreviations in its bulletins written in English:

METEOROMARINHA (direção do vento) - BULLETIN (wind direction)		
Terminologia - Terminology		Abreviatura - Abbreviation
Português - Portuguese	Inglês - English	
Norte ou ao Norte	North or Northerly	N
Nordeste ou a Nordeste	Northeast or Northeasterly	NE
Leste ou a Leste	East or Easterly	E
Sudeste ou a Sudeste	Southeast or Southeasterly	SE
Sul ou ao Sul	South or Southerly	S
Sudoeste ou a Sudoeste	Southwest or Southwesterly	SW
Oeste ou a Oeste	West or Westerly	W
Noroeste ou a Noroeste	Northwest or Northwesterly	NW

Other utilised abbreviations:

TABELA DE ABREVIATURAS - ABBREVIATION TABLE		
METEOROMARINHA - BULLETIN		
Terminologia - Terminology		Abreviatura - Abbreviation
Português - Portuguese	Inglês - English	
Rondar para a esquerda	Backing	BACK
Passando	Becoming	BECMG
Construindo	Building	BLDN
Frente Fria	Cold Front	C-FRONT

Declínio	Decreasing	DECR
Aprofundando	Deepening	DPN
Frente Fria em Dissipação	Dissipating Cold Front	D-FRONT
Leste ou a Leste	East or Easterly	E
Esperada(o)	Expected	EXP
Enchendo	Filling	FLN
Seguida(o)	Following	FLW
Previsão	Forecast	FCST
Freqüente/Freqüência	Frequent/Frequency	FRQ
De	From	FM
Tendência	Further outlooks	TEND
Forte	Heavy	HVY
Pesada(o)	Heavy	HVY
hectoPascal	HectoPascal	HPA
Melhorando/Melhorar	Improving/Improve	IMPR
Ascensão	Increasing	INCR
Intensificando/Intensificar	Intensifying/Intensify	INTSF
Isolada (o)	Isolated	ISOL
Quilômetro/hora	Kilometer/hour	KMH
Nós	Knots	KT
Latitude	Latitude	LAT
Localmente	Locally	LOC
Longitude	Longitude	LONG
Metros	Meters	M
Moderada (o)	Moderate	MOD
Movendo/Mover	Moving/Move	MOV
Milhas Náuticas	Nautical miles	NM
Próxima(o)	Next	NXT
Sem mudança	No change	NC
Sem mudança significativa	No significant change	NOSIG
Norte ou ao Norte	North or Northerly	N
Nordeste ou a Nordeste	Northeast or Northeasterly	NE
Noroeste ou a Noroeste	Northwest or Northwesterly	NW
Ocasionalmente	Occasionally	OCNL
Oclusão	Occlusion Front	O-FRONT
Possível	Possible	POSS
Probabilidade/Provável	Probability/Probable	PROB
Quadrante	Quadrant	QUAD
Quase Estacionária (o)	Quasi-Stationary	Q-STNR
Rapidamente	Quickly/Rapidly	QCKY/RPDY
Esparsa (o)	Scattered	SCT
Severa(o)	Severe	SEV
Pancadas	Showers	SHWRS
Significante	Significant	SIG
Ligeiro	Slightly	SLGT
Lentamente	Slowly	SLWY
Sul ou ao Sul	South or Southerly	S
Sudeste ou a Sudeste	Southeast or Southeasterly	SE
Sudoeste ou a Sudoeste	Southwest or Southwesterly	SW
Estacionária (o)	Stationary	STNR
Forte	Strong	STRG
Temporariamente/Temporária	Temporarily/Temporary	TEMPO
Variável	Variable	VRB
Rondar para a direita	Veering	VEER
Visibilidade	Visibility	VIS
Frente Quente	Warm Front	W-FRONT
Enfraquecendo	Weakening	WKN
Oeste ou a Oeste	West or Westerly	W

ALMANAQUE NÁUTICO - NAUTICAL ALMANAC

Terminologia - Terminology		Abreviatura - Abbreviation
Português - Portuguese	Inglês - English	
Unidades Astronômicas	Astronomical Units	AU
Solstício de dezembro	December Solstice	DSO
Declinação	Declination	DEC
Graus	Degrees	D
Distância	Distance	DIST
Leste	East	E
Lua quarto crescente	First Quarter Moon	FQ
Lua cheia	Full Moon	FM

Horas	Hours	H
Fração iluminada	Illuminated Fraction	ILL FR - ILLUM FRAC
Solstício de junho	June Solstice	JSO
Quilômetros	Kilometers	KM
Lua quarto minguante	Last Quarter Moon	LQ
Eclipse lunar	Lunar Eclipse	LE
Equinócio de março	March Equinox	MEQ
Minutos	Minutes	M
Nascer da Lua	Moon Rise	MR
Pôr da lua	Moon Set	MS
Lua nova	New Moon	NM
Norte	North	N
Ascensão direita	Right Ascension	RA
Segundos	Seconds	S
Equinócio de setembro	September Equinox	SEQ
Eclipse solar	Solar Eclipse	SE
Sul	South	S
Nascer do sol	Sunrise	SR
Pôr do sol	Sunset	SS
Hora universal	Universal Time	UT
Oeste	West	W
Taxa horária zenital	Zenithal Hourly Rate	ZHR

This Notice replaces Permanent Notice SPN nº 2/06.

SPECIAL PERMANENT NOTICES in the fortnight:

Nil.

SECTION V – BLOCKS, NOTES AND FRAMES

Nil.

MARITIME OBSERVATION FORM

Internal control. Do not fill in:

Publishedat:	Radio-Warning:	NoticetoMariners:
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IDENTIFICATION OF THE OBSERVER

Ship/Organization:	IMO number (if applicable):
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NameoftheObserver:

Address:

E-mail:	Phone: ()	Fax: ()
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MARITIME INFORMATION

Date of Observation: / /	Time of Observation: UTC
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Position (see <i>Instruction 2</i>)	Point () or Circular Area ()
	Point: Latitude: ° ' N () S () Longitude: ° ' W
	Circular area: ____ Nautical Miles radius from Latitude: ° ' N () S () Longitude: ° ' W
	Datum: () WGS-84 Other: _____
	Navigation System: () GPS Other: _____

Description of Maritime Information (see *Instruction 3*):

Affected products (Nautical Charts and/or Publications) and Edition:	Affected ENC's:
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Sounding sensor or method used (if applicable) (see *Instruction 4*):

Instructions:

1 - Mariners and users in general are invited to notify the Directorate of Hydrography and Navigation about any changes that may affect the safety of navigation or any observations in both Digital and Paper Charts and Publications.

2 - In the "Position" field, the latitude and longitude of the observation must be informed. This observation could be punctual (example: unlighted light) or cover an area (example: oil spill). It is necessary to fill in the Navigation System used to determine the position of the observation (satellite, by true or magnetic bearings of notable points, by radar bearing and distance, by combination of methods. In case of magnetic bearings, inform the value of the magnetic needle deviation, If known). If the position obtained is not accurate, this fact must be informed.

3 - In the "Description of Maritime Information" field, the information on the observation should be described in free text. Additional sheets can be used where there is not enough space.

4 - In case of abnormal depths, inform the means used for their determination (if possible, attach a copy of the records of the echo sounder, indicating the date, time, depth found, the scale used to read the depth), the prevailing weather conditions, sea situation, according to the Beaufort scale model DHN-5909, and other details considered of interest.

5 - The Mariners and users in general are requested to send the form to the NAVY HYDROGRAPHIC CENTER (CHM), either via e-mail to: avrado@marinha.mil.br or chm.cartografia@marinha.mil.br, or by mail to: CHM - Divisão de Planejamento e Coordenação, Rua Barão de Jaceguai, S/N, Complexo Naval da Ponta da Armação, Ponta d'Areia, CEP 24048-900, Niterói – RJ.