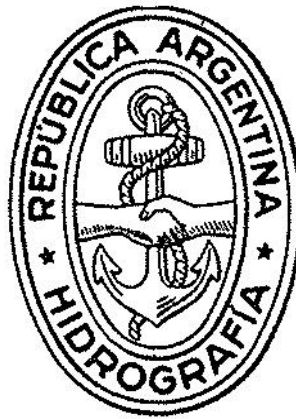


**IHO Hydrographic Committee on Antarctica (HCA)  
13<sup>th</sup> Meeting, Cádiz, Spain, 3-5 December 2013**

**REPORT BY THE NAVAL HYDROGRAPHIC SERVICE**

**MINISTERIO DE DEFENSA  
SERVICIO DE HIDROGRAFIA NAVAL**



**Tel.: (54-11) 4301-0061/67  
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**(C1270ABV) Buenos Aires  
REPUBLICA ARGENTINA**

# 1-HYDROGRAPHIC OFFICE

MINISTERIO DE DEFENSA  
SERVICIO DE HIDROGRAFÍA NAVAL

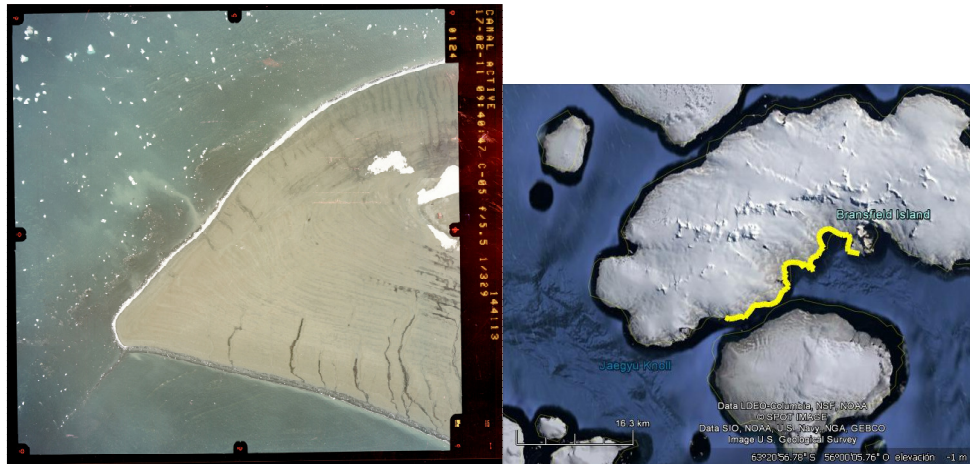
[www.hidro.gob.ar](http://www.hidro.gob.ar)

## 2- SURVEYS

2.1. Produced last year (2012/2013)

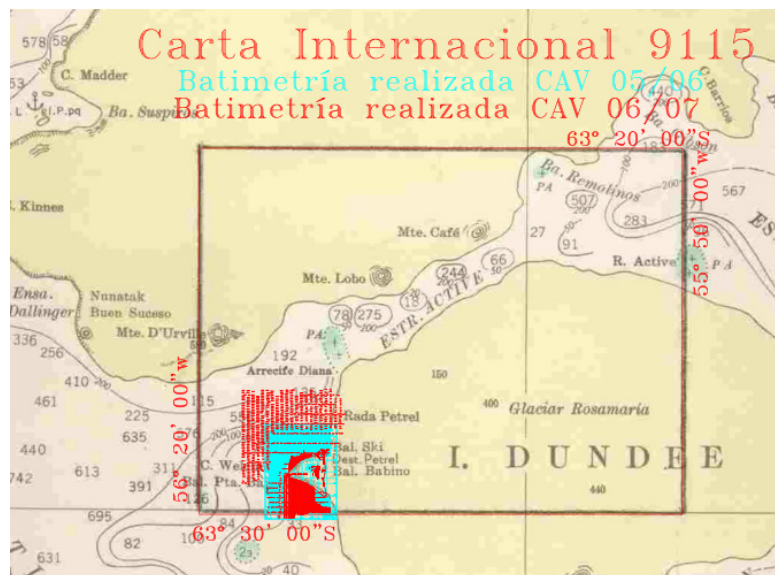
-Underway bathymetric data collected by the oceanographic ship ARA “Puerto Deseado” during the summer cruise 2012-2013 with single beam echo sounder.

-Aerophotogrammetric survey with a RMK TOP camera in Active Sound (close proximity to Petrel Base) during the campaign 2011-2012. It included 8 runs and 152 photograms, scale 1:7500.

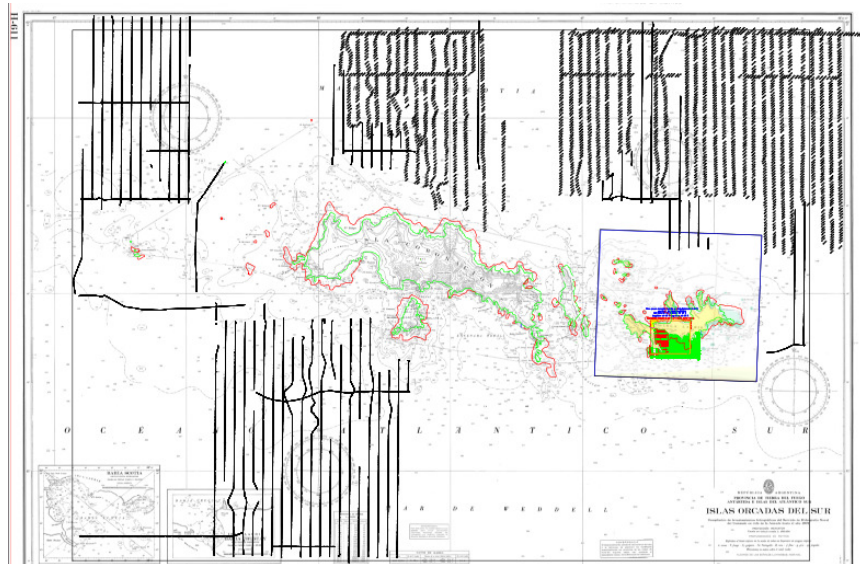


2.2. Projected for next year (2013/2014)

INT 9115 – Active Sound. 10 days of bathymetry onboard ARA “PUERTO DESEADO” (DEC-JAN)



INT 9140 – Islas Orcadas del Sur. 15 days of bathymetry onboard ARA “PUERTO DESEADO” (MAR)



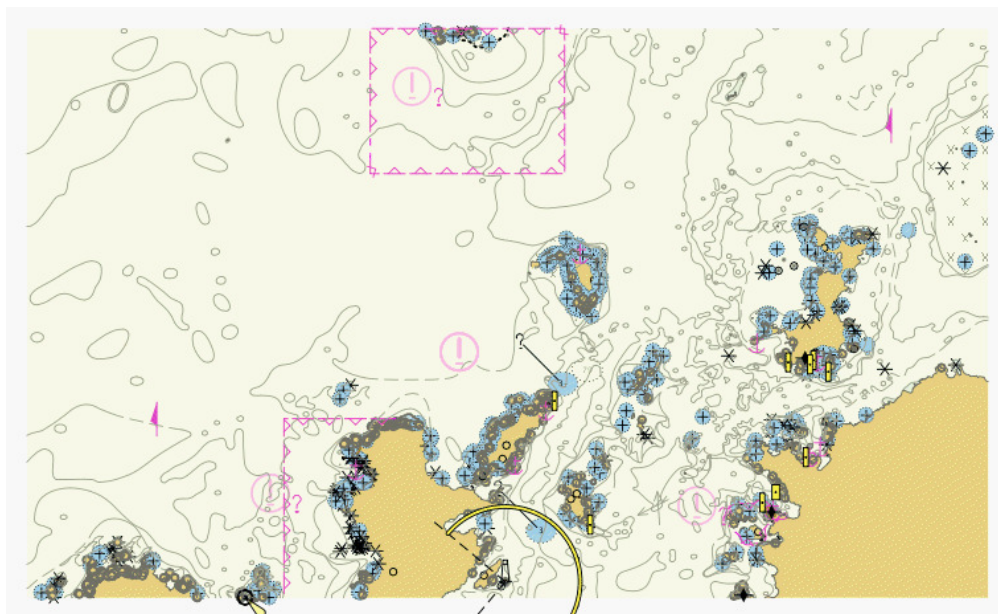
### Problems detected.

As it was timely reported, the Icebreaker A.R.A. “ALMIRANTE IRIZAR” is still under repair and therefore national survey capability continues drastically reduced.

## 3- NEW CHARTS & UPDATE

### -New chart:

AR307240 “ Archipiélago de Palmer – De Isla Trinidad a Isla Amberes”, in production. Expected to be submitted to IC-ENC during December 2013.



<b>AR307240</b> <b>Archipiélago de Palmer –</b> <b>De Isla Trinidad a Isla</b> <b>Amberes</b>		<b>Boundaries</b>	<b>Scale</b>
	North Latitude	63°20.0'S	1: 180.000
	South Latitude	64°18.05'S	
	West Longitude	63°49.5'W	
East Longitude	60°07.0'W		

**-Continuous update on Antarctic Charts.**

#### **4- NEW PUBLICATIONS & UPDATES**

Permanent update of Nautical Publications issued by the “Servicio de Hidrografía Naval” (the Naval Hydrographic Service). In particular the publications on the Antarctic Area:

H – 205 Derrotero Argentino Parte V. “Antártida y Archipiélagos Subantárticos Argentinos y Suplemento” (Sailing Directions Part V. Antarctica. H-205).

H – 213 Faro y Señales Marítimas Parte III. “Tierra del Fuego, canales e islas adyacentes, Islas Malvinas y Antártida Argentina y Suplemento” ( List of lights and Maritime Signals Part III H-213 )

#### **5- MSI**

**-Existing infrastructure for transmission.**

- Structure in accordance with the area assigned by IMO (NAVAREA VI).
- Transmissions made through Safety NET – INMARSAT – “C” at a pre-established schedule.
- Navigational warnings with ice edges and plotting of drifting icebergs, broadcasted through Safety Net (INMARSAT).

**-New infrastructure in accordance with GMDSS.**

None.

**-Master Plan.**

None.

**-Problems encountered.**

None.

#### **6- S-55**

Last update: 2006

## **7- CAPACITY BUILDING**

The XXIV<sup>th</sup> Course on Antarctic Navigation was held from 26<sup>th</sup> August to 6<sup>th</sup> September in Buenos Aires this year, with the support of “Dirección de Educación Naval” of the Argentine Navy. Officers from

- Argentine Navy (35)
- Foreign Navies: Brazil (1), Venezuela (1), Chile (1), Uruguay (2)
- Merchant Navy (8)
- Argentine Coast Guard (9)

attended the course successfully. The syllabus included –in addition to the specific matters on maritime safety-navigation and maneuvers in these latitudes, sea-ice areas with huge icebergs, National and International Legislation, the Antarctic Treaty and its Protocol on Environmental Protection, Fishing, Sea Tourism, Marine Pollution, climate effects on man and survival in polar areas.

## **8- OCEANOGRAPHIC ACTIVITIES**

### **-General**

Survey and processing of bathymetric data, magnetometer data, surface temperature, conductivity (salinity) and CTD stations collected by the oceanographic ship ARA “Puerto Deseado” in its scientific navigation to the Antarctic Peninsula.

### **-GEBICO/IBC Activities**

- Review and harmonization of geographical and undersea feature names at Argentinean Antarctic Sector in contribution to SCAGI-SCAR and other National Organizations.
- Continuous and active participation in the Sub-Committee on Undersea Features Names (GEBICO SCUFN).

### **-Tide Gauge Network**

Tidal gauge station at Esperanza Base continues out of service.