

IHO Hydrographic Committee on Antarctica (HCA)
16th Meeting, Prague, Czech Republic. 3 -5 July 2019.

REPORT BY THE NAVAL HYDROGRAPHIC SERVICE



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REPUBLICA ARGENTINA

1- HYDROGRAPHIC OFFICE

MINISTERIO DE DEFENSA

SERVICIO DE HIDROGRAFÍA NAVAL www.hidro.gob.ar

2- SURVEYS

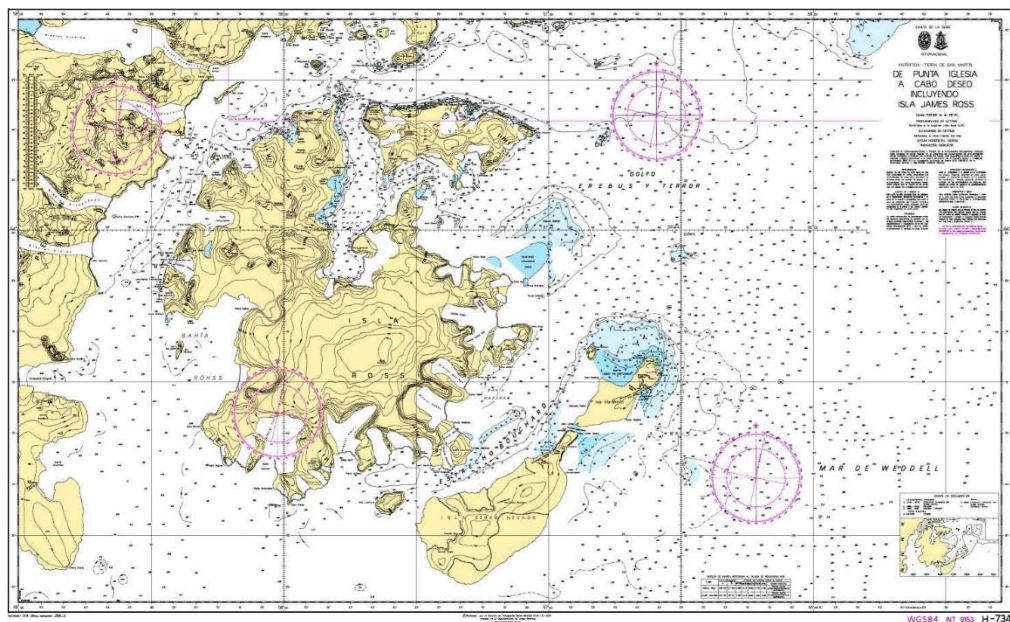
2.1 INT 9101 / H-757– Península Trinidad – Base Esperanza. 6 (six) WGS84 points and coast line were measured in Esperanza Bay for the realization of INT 9101.

2.2 H-711 – Potter Cove – Carlini Base. 8 (eight) WGS84 points and coast line were measured in Potter Cove for future actualization of H-711.

3- NEW CHARTS & UPDATES

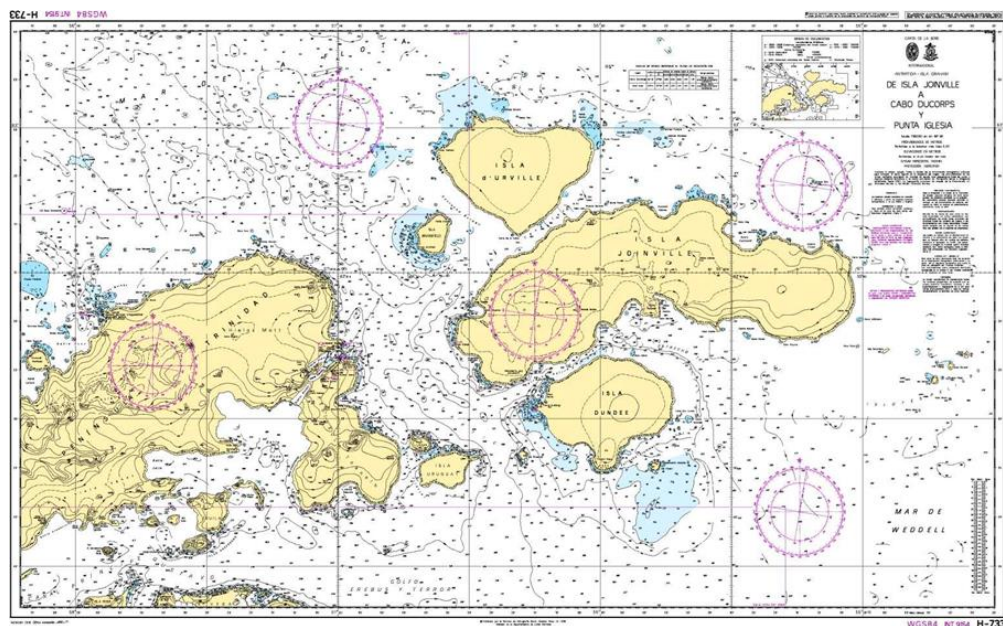
3.1 New Charts

3.1.1 AR-GB INT 9153 / H-734 “Church Point a Cabo Longing”, Published in September 2018.



INT9153/H-734		Boundaries	Scale
"Church Point a Cabo Longing"	North Latitude	63° 39'S	1:50.000
	South Latitude	64° 36.4'S	
	West Longitude	59° 00'W	
	East Longitude	55° 17.6'W	

3.1.2 AR-GB INT 9154 / H-733 “Isla Joinville a Cabo Ducorps”. Published in September, 2018.



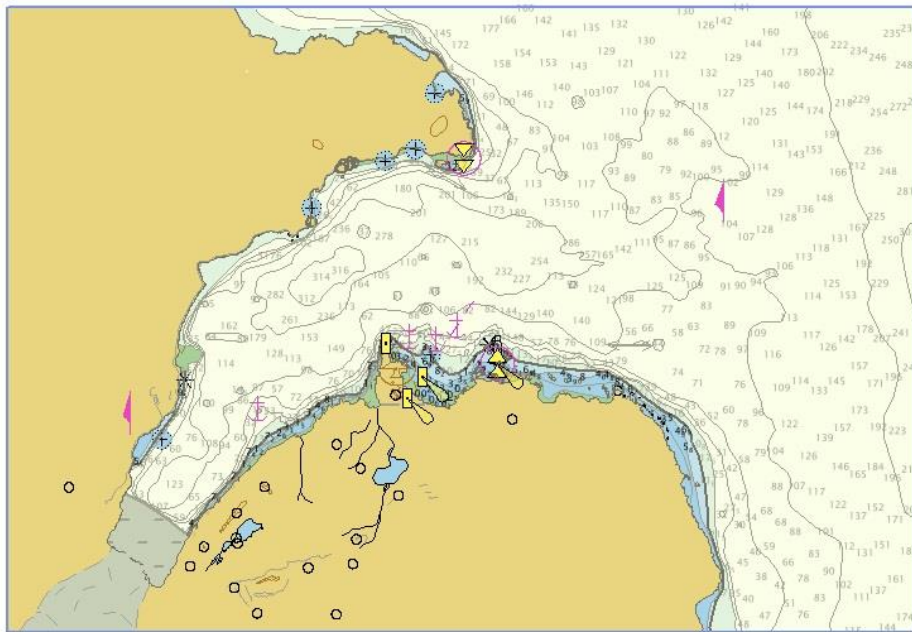
INT 9154 / H-733 “Isla Joinville a Cabo Ducorps”	Boundaries		Scale
	North Latitude	62° 50’S	1:50.000
	South Latitude	63° 49.1’S	
	West Longitude	58° 12.5’W	
East Longitude	54° 30’W		

3.2 New Updates

3.2.1 H-7 “Provincia de Tierra del Fuego, Antártida e Islas del Atlántico Sur, Península Antártica”. 3rd Edition December 2018.

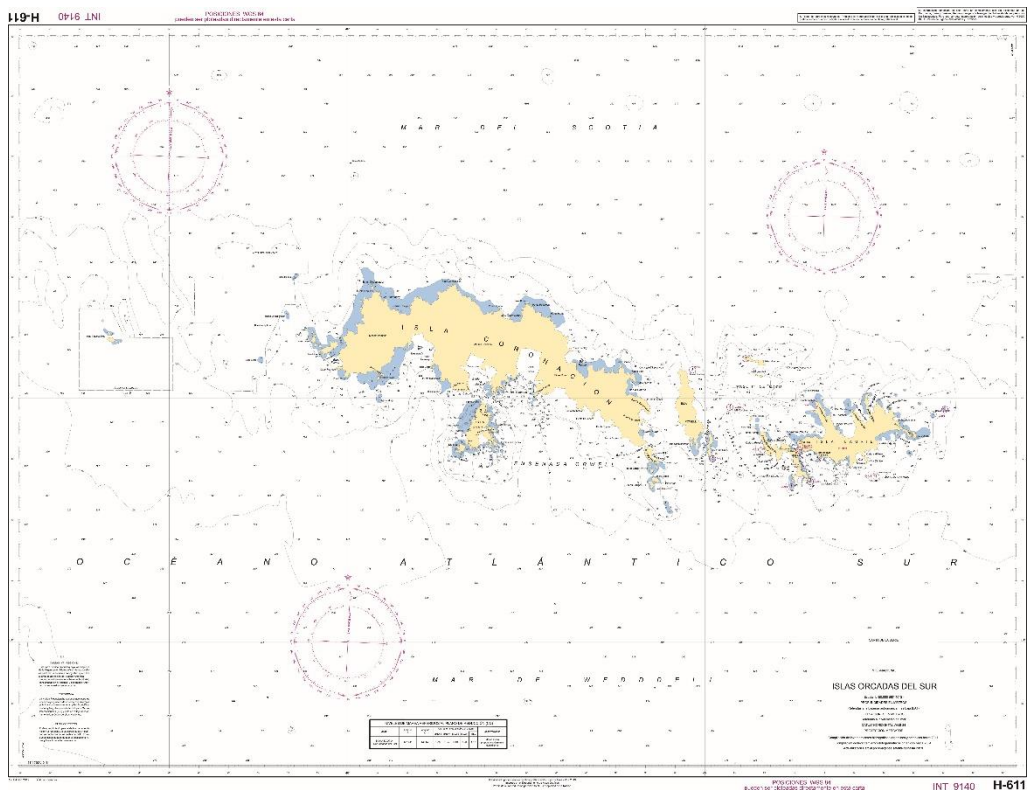
3.3 New Charts being released this year

3.3.1 INT 9101 / H-757 and AR507570 “Península Trinidad /Base Esperanza – Caleta Choza”. To be published in September.



INT 9101 / H-757 AR507570 “Península Trinidad /Base Esperanza – Caleta Choza”.		Boundaries	Scale
	North Latitude	63° 22’S	1:10.000
	South Latitude	63° 26’S	
	West Longitude	57° 05’W	
East Longitude	56° 53’W		

3.3.2 INT 9140 / H-611 and AR306110 “Islas Orcadas”. To be published in August



INT 9140 / H-611 AR306110 “Islas Orcadas”		Boundaries	Scale
	North Latitude	60° 10'S	1:50.000
	South Latitude	631° 10'S	
	West Longitude	46° 55'W	
East Longitude	44° 08'W		

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
 Tide tables of 19 ports of Antarctica. Available at HCA web page.

Miscellaneous	
HCA Hydrography Priorities Working Group (including Guidelines for Ships of Opportunities, Forms, and Survey Priorities)	Link
Scheming and Production of INT Charts and ENC's in Region M	Link
IHO GIS for Antarctica	Link
Antarctica Surveys Metadata	Link
Links to National Catalogues of Charts and Nautical Publications, and to other organizations' websites with activities in Antarctica	Link
HCA Seminars given at Conferences of Observer Organisations	Link
Various information	Link
Tide Tables - Antarctica (19 ports) - October 2018 - December 2019 - Servicio de Hidrografía Naval - Argentina	Link

5- MSI

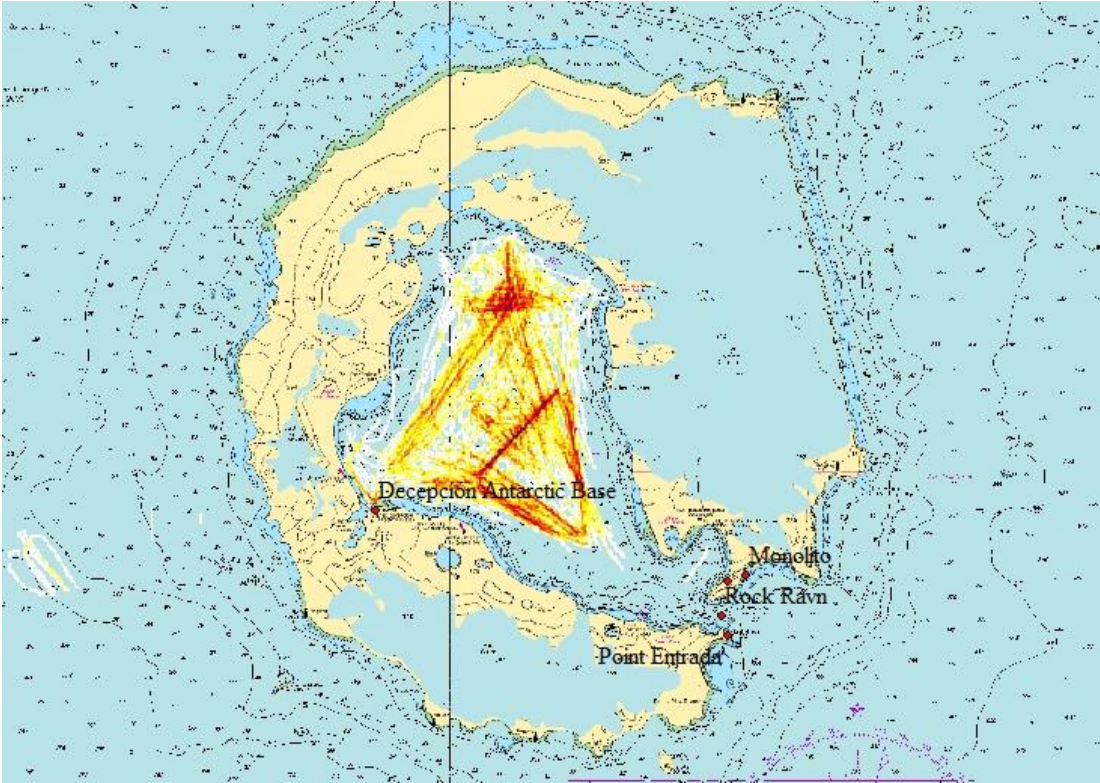
Permanent Notice to Mariners.

AIS AtoN: During the last summer cruise 2018/2019, an AtoN AIS system was renewed in ORCADAS Base (LAT 60° 44'S, LON 044° 44 'W), called ORCADAS 2, replacing the previous ones (ORCADAS 1 and ORCADAS 2). This new equipment allows generating 10 signals.

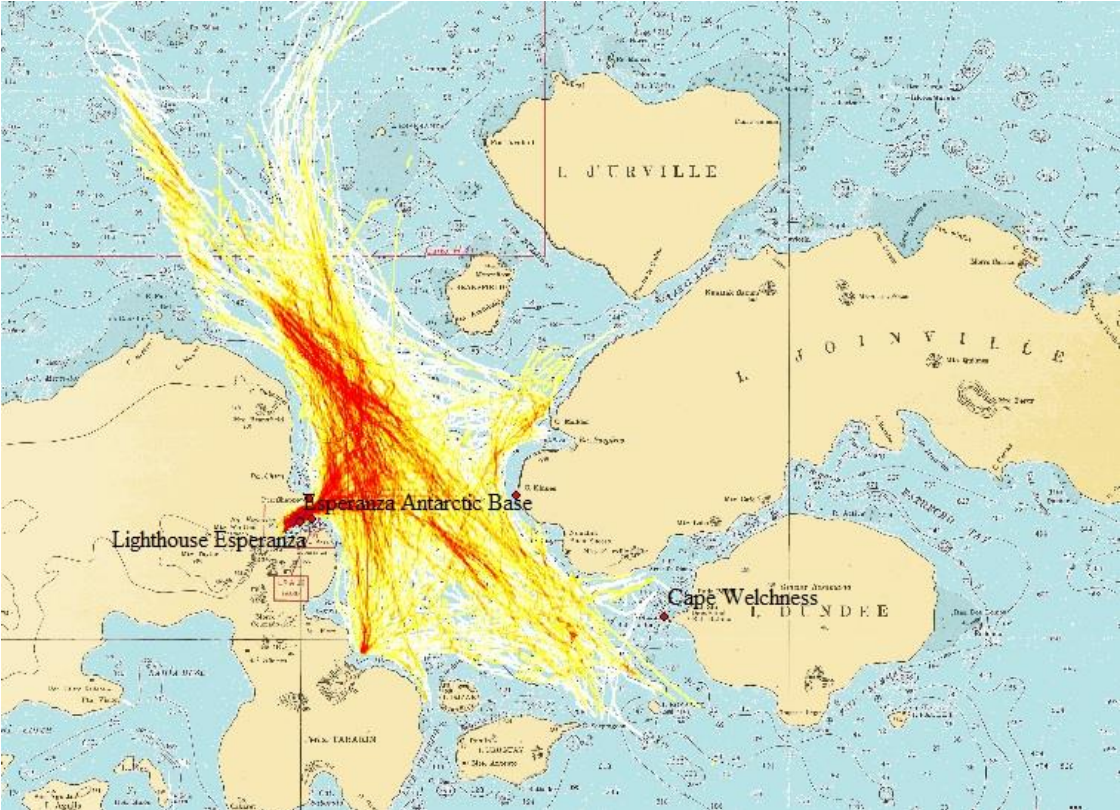


During next summer cruise, another AtoM will be installed in PRIMAVERA Base, Cierva Cove (H-714) allowing 10 signals generation.

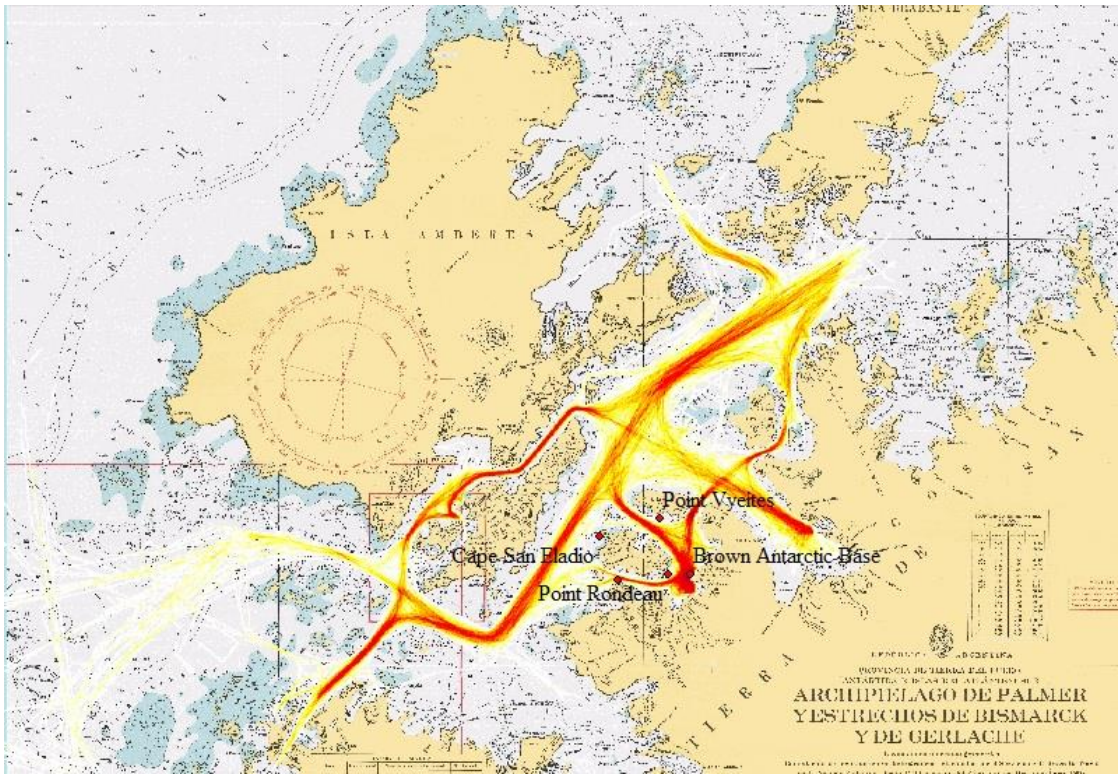
These new pieces of equipment complement the AIS AtOM network being established in Argentine Bases, such as Esperanza bay, Decepción island, Sanavirón penninsula, Margarita bay and Potter cove.



AIS Atom in Decepcion Base showing traffic history.



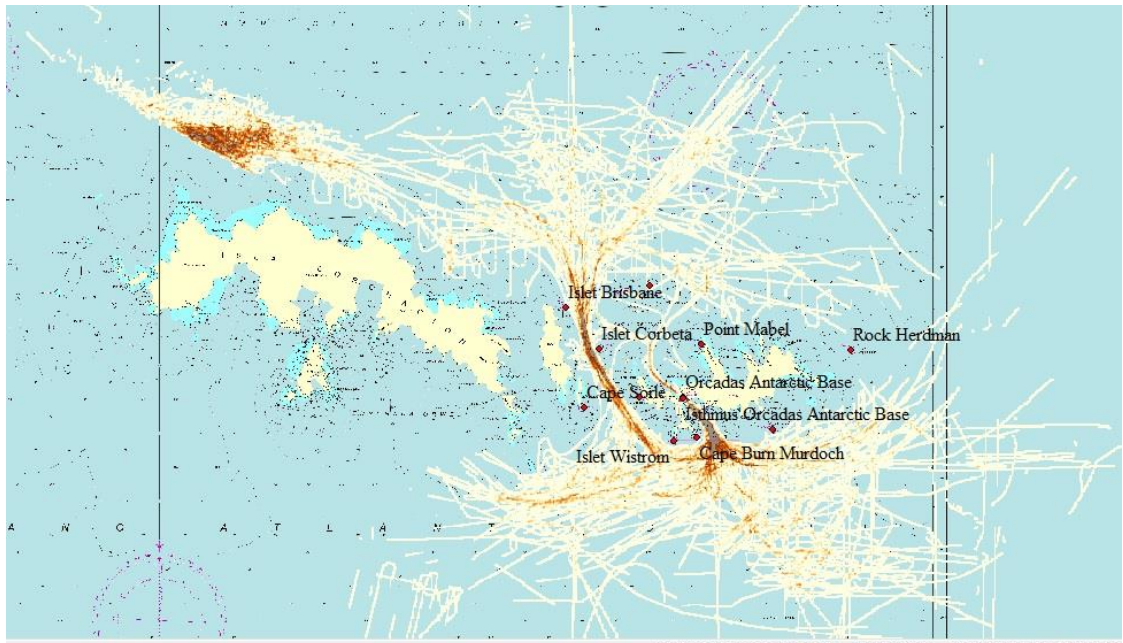
AIS Atom in Esperanza Base showing traffic history.



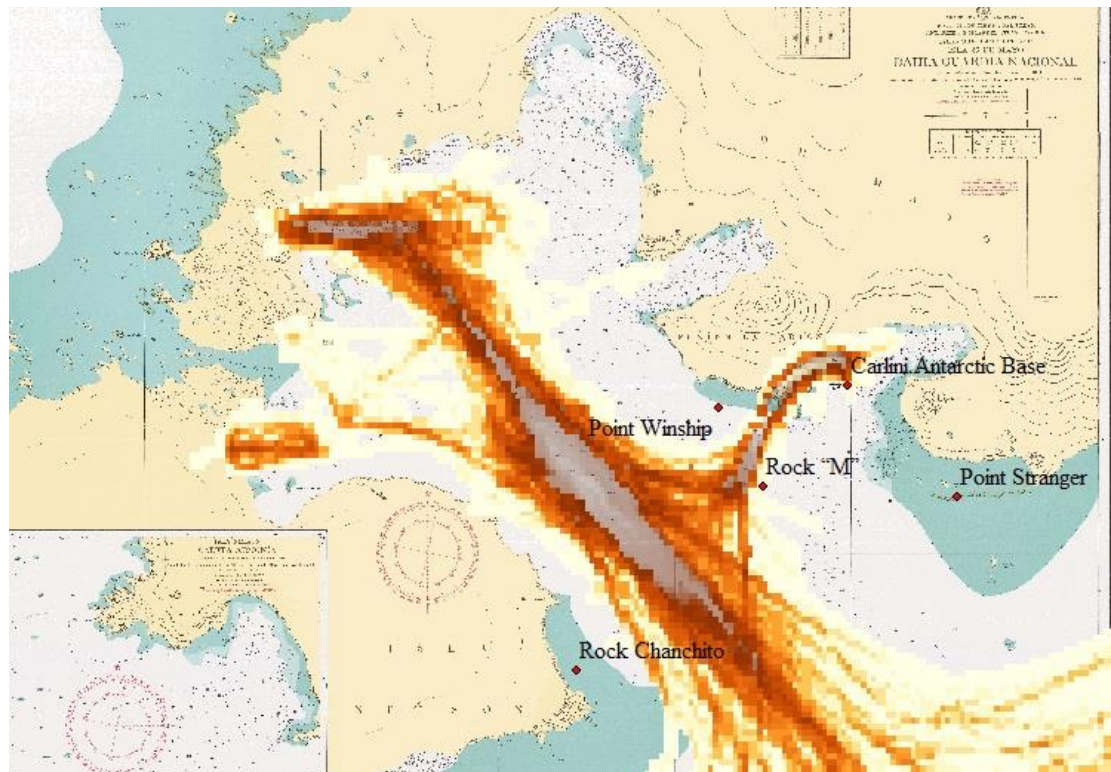
AIS Atom in Brown Base showing traffic history.



AIS Atom installed in San Martín Base.



AIS AtoM installed in Orcadas Base showing traffic history.



AIS AtoM installed in Carlini Base showing traffic history in Guardia Nacional bay



AIS AtoM installed in Carlini Base showing traffic history in Sea of the Flota.

6- S-55

Last update: 2016

7- CAPACITY BUILDING

Course on Antarctic Navigation

Course	Date	Support	Participants / Officers
XXIX th Course on Antarctic Navigation	27 th August to 7 th September 2018	"Dirección de Educación Naval" of the Argentine Navy	46

From 2019 Argentina will provide the "Basic Course for ships operating in polar waters" as required by the IMO International Code for Ships Operating in Polar Waters (Polar Code Training) at the National School of Navigation (ESCUELA NACIONAL DE NAUTICA - ESNN). The IMO Polar Code is STCW mandatory as of 1 July 2018.

8- OCEANOGRAPHIC ACTIVITIES

GEBCO/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 (GEBCO SCUFN).

9- ICE CHARTS & ANF ANTARCTIC GLACIOLOGY

See our web page link <http://www.hidro.gov.ar/smara/glacio/sglaciologica.asp#3>

Weekly updates for GLACIOLOGICAL REPORT, SEA ICE BORDER, SEA ICE CHARTS and GLACIOLOGICAL OBSERVATIONS.