



Argo Information Centre
jcommops



Deployment Opportunities

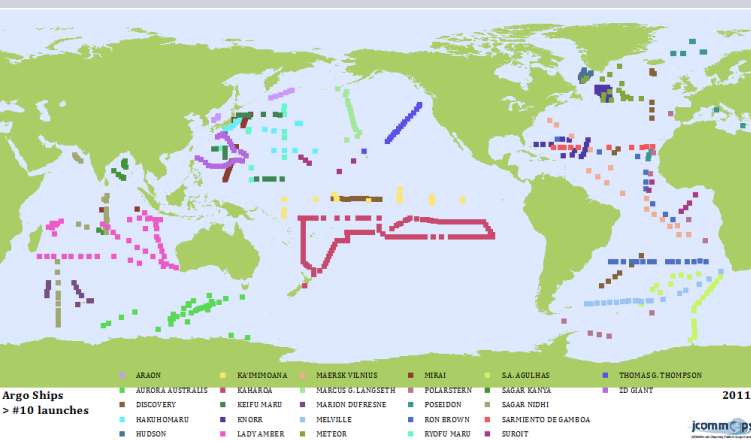
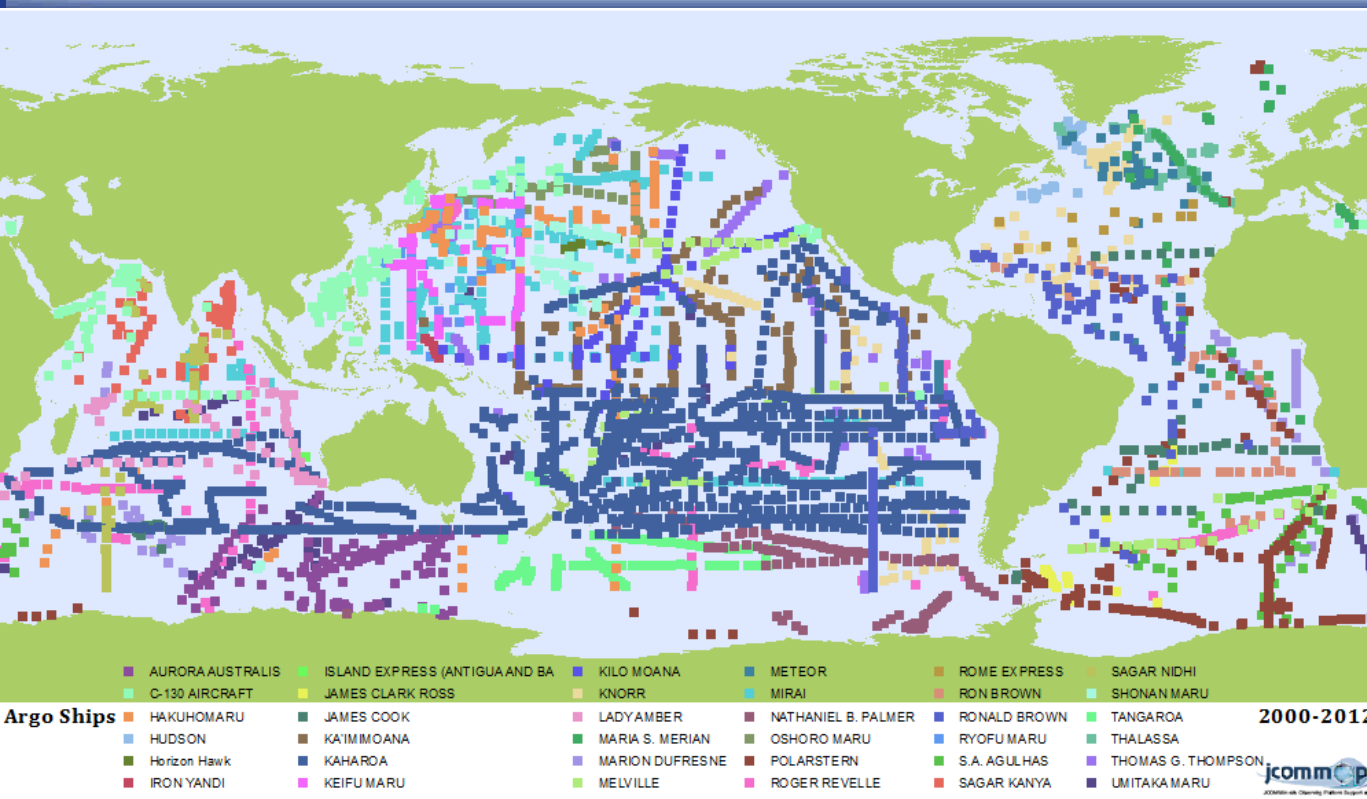
Argo TC

AST#13

March 2012, Paris

- We have recurrent **global** and **regional gaps**
- Use of **dedicated deployment platforms** may have been underestimated when Argo was designed
(i.e. no global array without the Karahoa)
- **Resources** to plan and organize deployments also ...
(well it depends on the practice)
- **Information** hard to find in advance: (match future gaps and cruises)
- Global economical context under pressure (ship time might decrease): need to be inventive.
- **AIC/JCOMMOPS** started a couple of years ago to prepare the future of its support to Argo on two axes:
 - Dedicated opportunities (“ship time service”)
 - Dedicated resource (“ship champion”)

Results are promising ...



Ships (Top 30)	#Deployments
UNKNOWN	1947
KAHAROA	976
KA'IMIMOANA	336
MIRAI	280
POLARSTERN	212
C-130 AIRCRAFT	183
ROGER REVELLE	176
RYOFU MARU	157
RONALD BROWN	143
AURORA AUSTRALIS	136
NATHANIEL B. PALMER	116
S.A. AGULHAS	115
KEIFU MARU	113
KNORR	112
TANGAROA	97
HAKUOMARU	92
THOMAS G. THOMPSON	91
KILO MOANA	82
MARION DUFRESNE	82
SAGAR KANYA	76
JAMES COOK	74
UMITAKA MARU	73
HUDSON	68
MELVILLE	67
RON BROWN	67
THALASSA	65
SAGAR NIDHI	62
SHONAN MARU	59
OSHO RO MARU	56
LADY AMBER	55
METEOR	54
MARIA S. MERIAN	50
POSEIDON	50
MV EXPLORER	50
...	...
	8505

#1 Lady Amber: Private charter

Opportunity set up by JCOMMOPS

5-6 months of ship time funded by CSIRO ...
55 floats deployed

Green, flexible, dedicated, trained crew

20 keuros/month (via CLS/JCOMMOPS)

Autonomy: 2 months

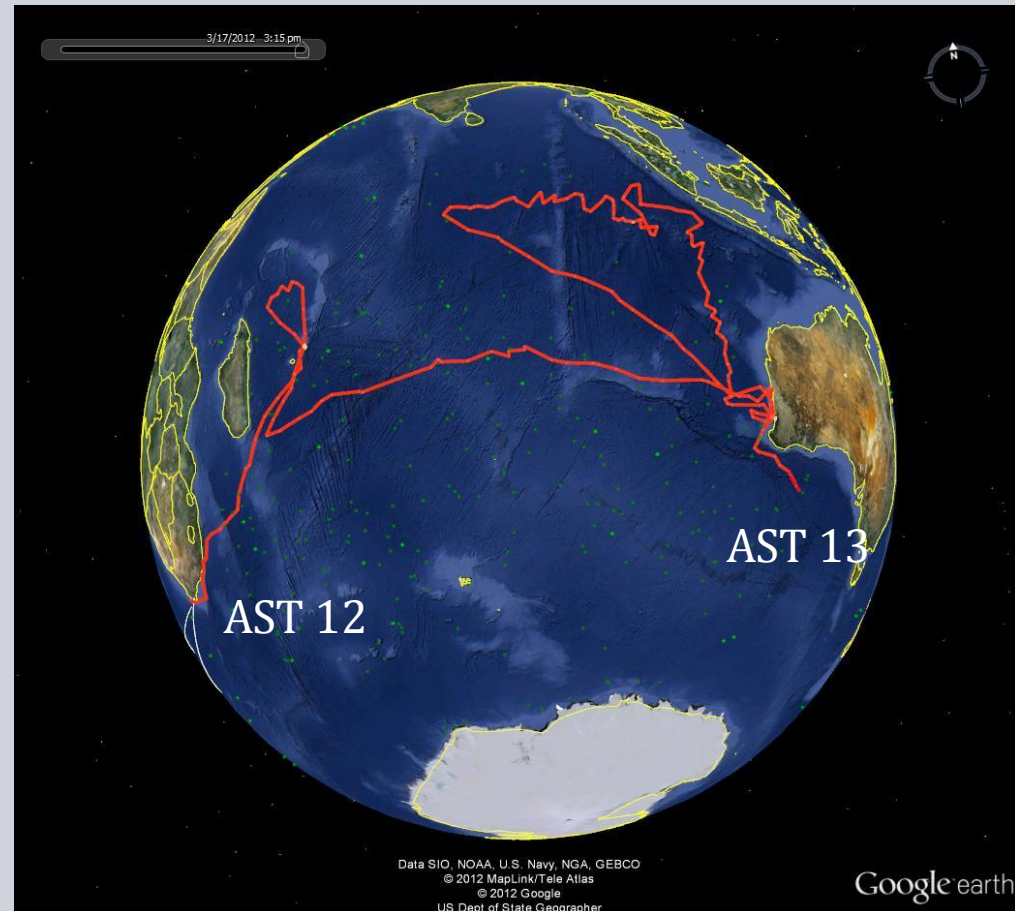
Iridium com./email,

Argos/GPS tracking

Storage capacity (50 units) 100 soon.

2012-2013 routes to be set up:

- Australia – India
- India - South Africa
- South Africa South America
- to Pacific ...



#1 Lady Amber: Private charter

Very good communication operation (TV, radios, newspapers websites, ...)

Visit of WA Science & Tech. Minister

Ship going to Hobart/Melbourne

Meet with officials (and TC !)

2012-2013 routes to be set up:

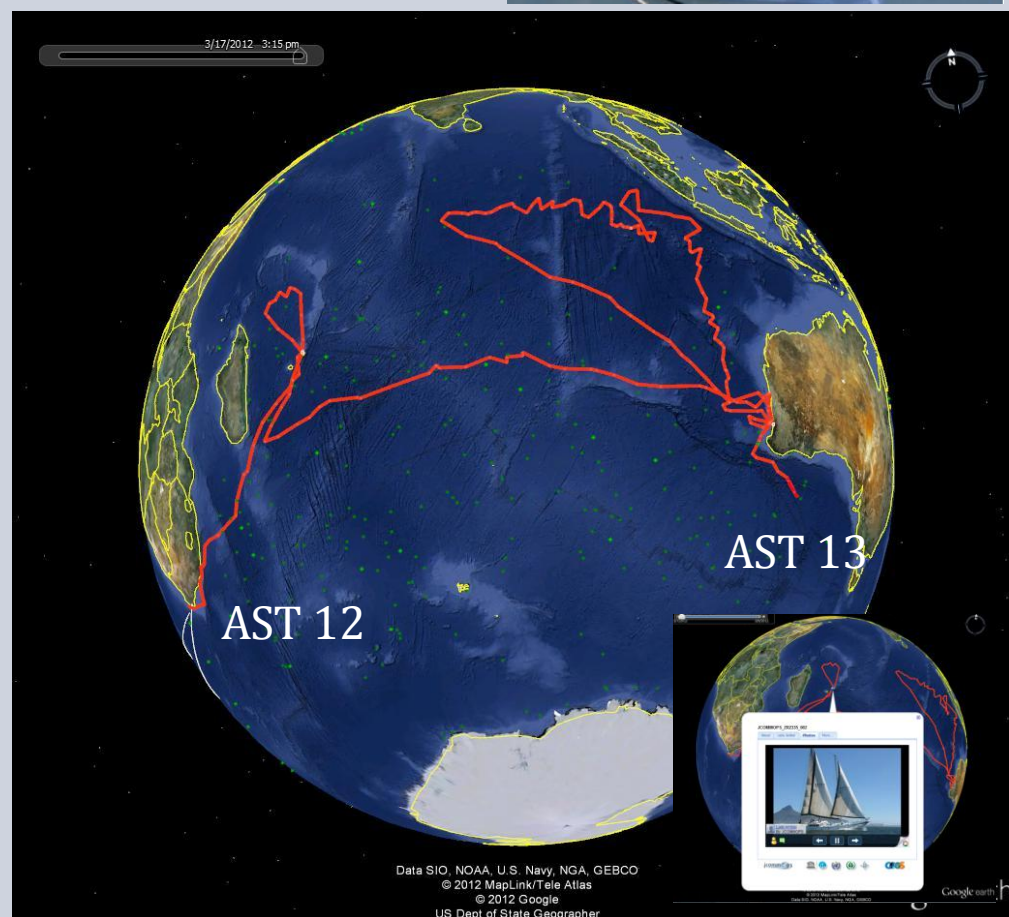
- Australia – India
- India - South Africa
- South Africa - South America
- Panama to Pacific ...

Need commitments to evaluate ship time required and set up plans.

Liability, insurance issues to be cleared

Price might be adapted for viability

See [www , stories, track ...](http://www.stories-track.com)



#2: Voiles sans Frontières: NGO

Unique french NGO recruiting 20 ships every year
Development project, solidarity, etc in Senegal

16 agreed to load and deploy floats this year
(departure/storage Lorient and Sète)

Flexibility (deploy, load, retrieve, etc)

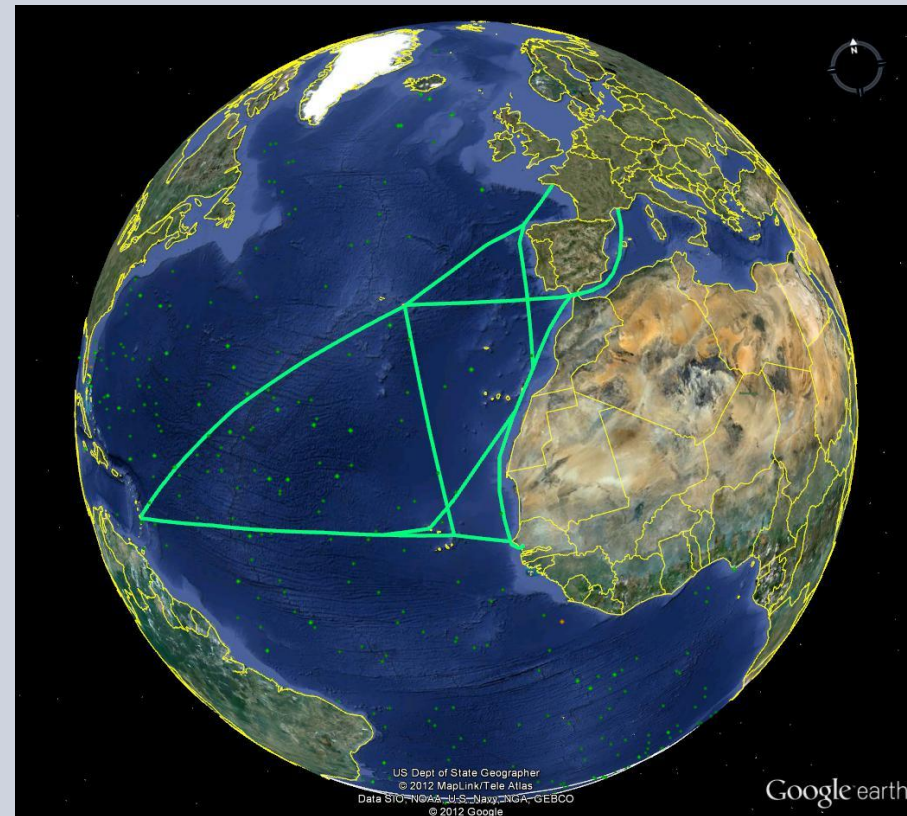
Large spatial coverage

!!!! Huge communication potential !!!!

Deal: 500 euros/unit deployed
16 ships ready this year

1 logistics coordinator
1 fleet manager

France commitments (10x)
Last briefing July/Lorient
TV, etc ...



#3 Sailing Race: « Race for Water »

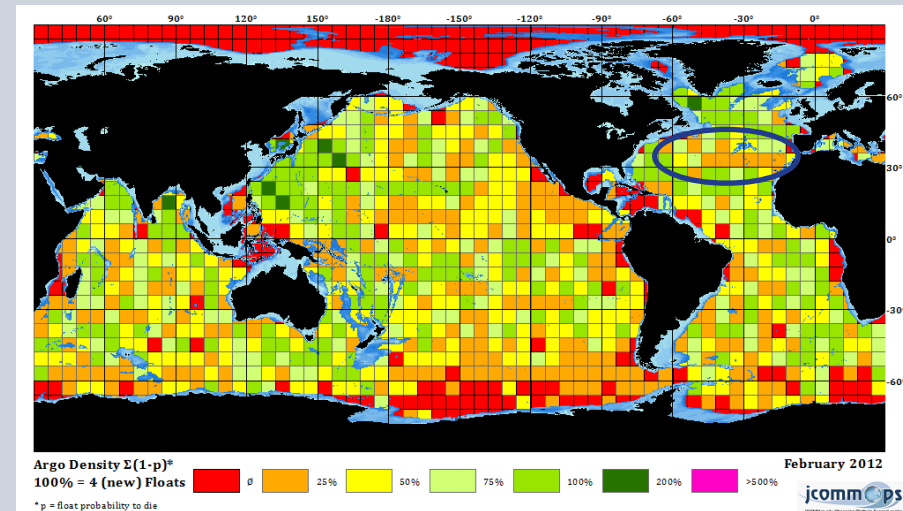


Foundation under UNESCO patronage
Races + science/awareness villages

Brest – New York (convoyage June)
NY – Brest: Race (July)

Arrival at “Best2012 ship festival”
Booth
Outreach

...



#4 Industry (World Ocean Council)

1st contact established at WOC #1 meeting (UNESCO)
Zodiac, Total, Shell
Hundreds of ships
Partnership to be set gradually



Preliminary remark: ships@jcommops.org

Channel to share all deployment opportunities
Make sure your deployment manager subscribed

A third coordinator @will start at JCOMMOPS in 2012 (after 3 years of lobbying):
overseeing the common denominator of all observing systems: the ships, (any ship ...)

Position funded for a two years pilot project (**France**, DBCP, SOT, POGO, USA)
(Position also self-funded by the JCOMMOPS “Ship Time Service”)

ToR: international position (through CLS 1st, UNESCO after)

- 30% Metadata management (cruise plans in advance)
- 30% Ship Time Service, Cooperation, Partnerships, Training
- 30% Ship Observation Team coordination
- Brest (near Coriolis and EuroArgo deployment management team)

- **Operations and Logistics** (recruit ships, charters for deployment or retrieval or pilot projects, to assist programmes where needed and create new logistics to fill gaps or address piracy/vandalism issues; assist in recovering instruments at sea or found by third parties)
- **Technical support and expertise** (on platforms, self training with time at sea, deployment methods, technology transfer, etc)
- **Metadata and information** (gather, integrate and maintain all ship metadata useful for those operations with JCOMMOPS I.S., develop appropriate tools and service, seeking, identifying deployment opportunities for the deployment of instruments from ships) POGO.
- **Communication** (serve this information to the community regularly, document and communicate on activities, develop relational network)
- **International cooperation** (partnerships, clearing house, training workshops, donor programmes, assist as appropriate with national, regional, international initiatives, ...)

- Individuals, sailing races, explorers, tourist cruises, NGOs, industry,
Large range of possibilities that could be exploited (free, non profit,
win/win, private ...) with a **Huge outreach potential**
- JCOMMOPS will help providing:
 - Technical Coordination (focal point to assist, monitor, ...)
 - “Deployment service”
 - Support for (light) operations at sea, logistics, transfer of technology
- Hard to fund ship time ? => Purchase a couple less float per
year