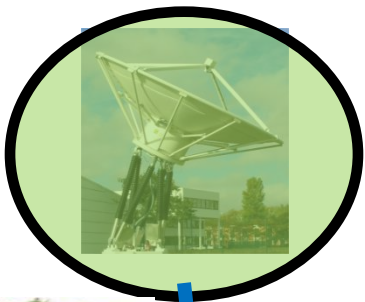


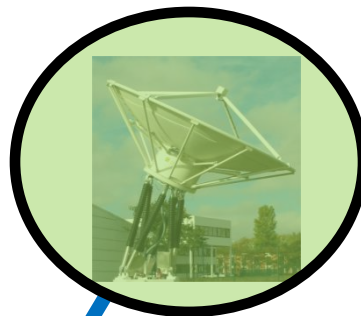
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*Le réseau de stations de réception de l'IRD et ses partenaires*

**French Guyane, 05**



**RU COOL**



**French Polynesia, 04**



**French Guyane, 98**



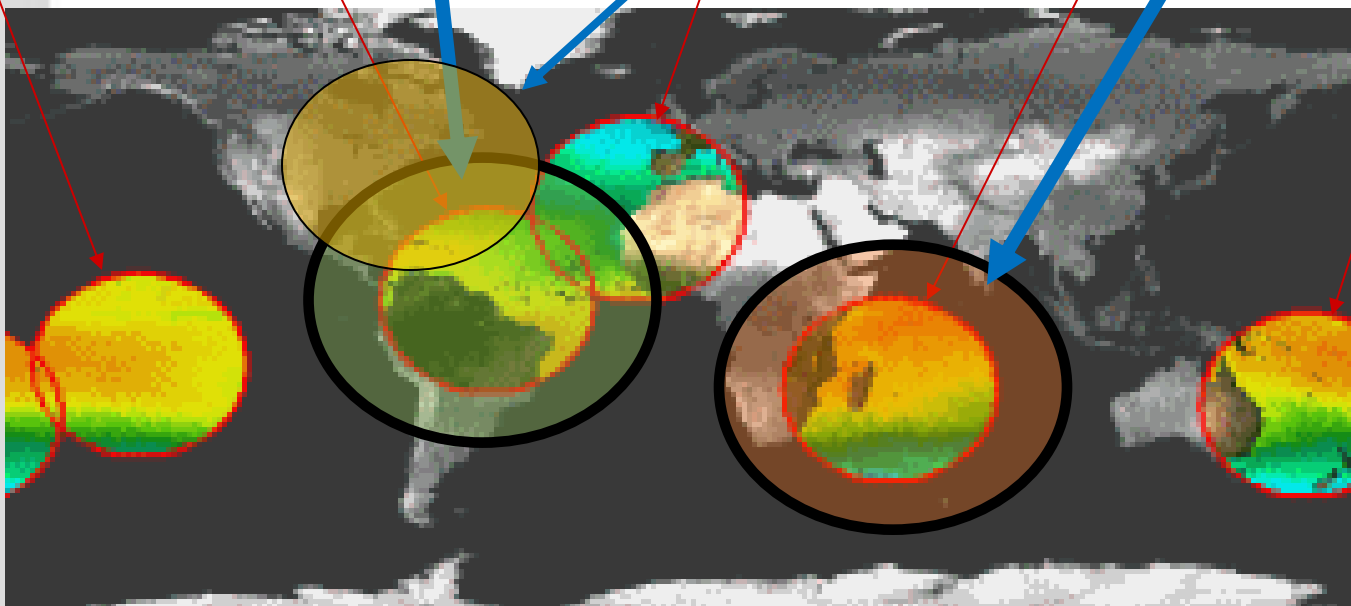
**Canarias, 96**

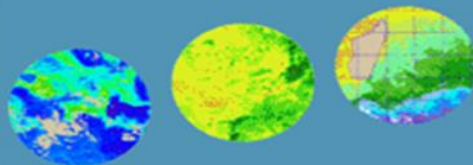
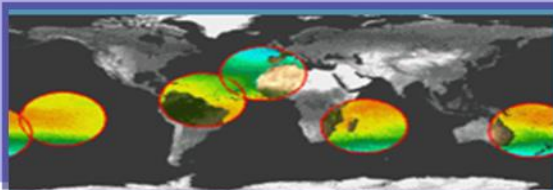


**Réunion, 91**

**Réunion I, 11**

**New Caledonia, 97**





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CONSTELLATION

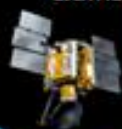
ASAR

ASAR/ENVISAT



Wind scatterometer

Quiksat



Ascat/METOP



Multispectral EHR

SPOT 2



Altimeter

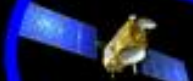
GEOSAT



Aqua



JASON



Noaa 15



SPOT 4



ENVISAT



Noaa 17



MERIS/ENVISAT



Aqua



Noaa 18



SPOT 5



Orb View

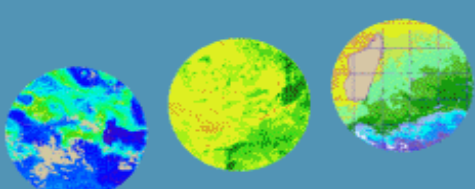
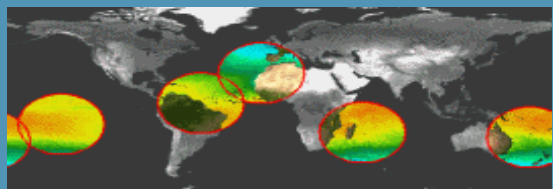


NOAA 19



Multispectral VIS / IR

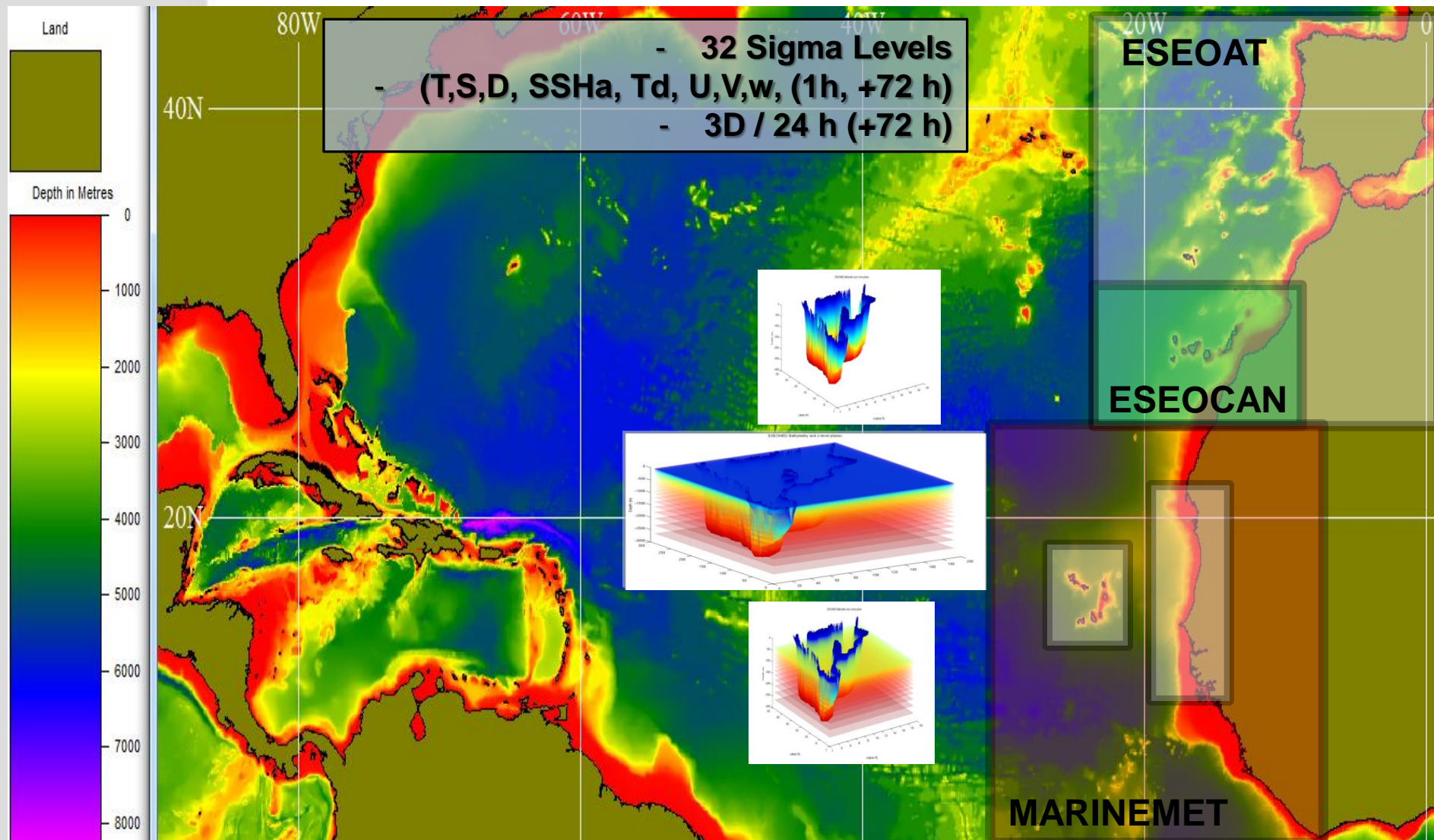




**SEASnet**

*Le réseau de stations de réception de l'IRD et ses partenaires*

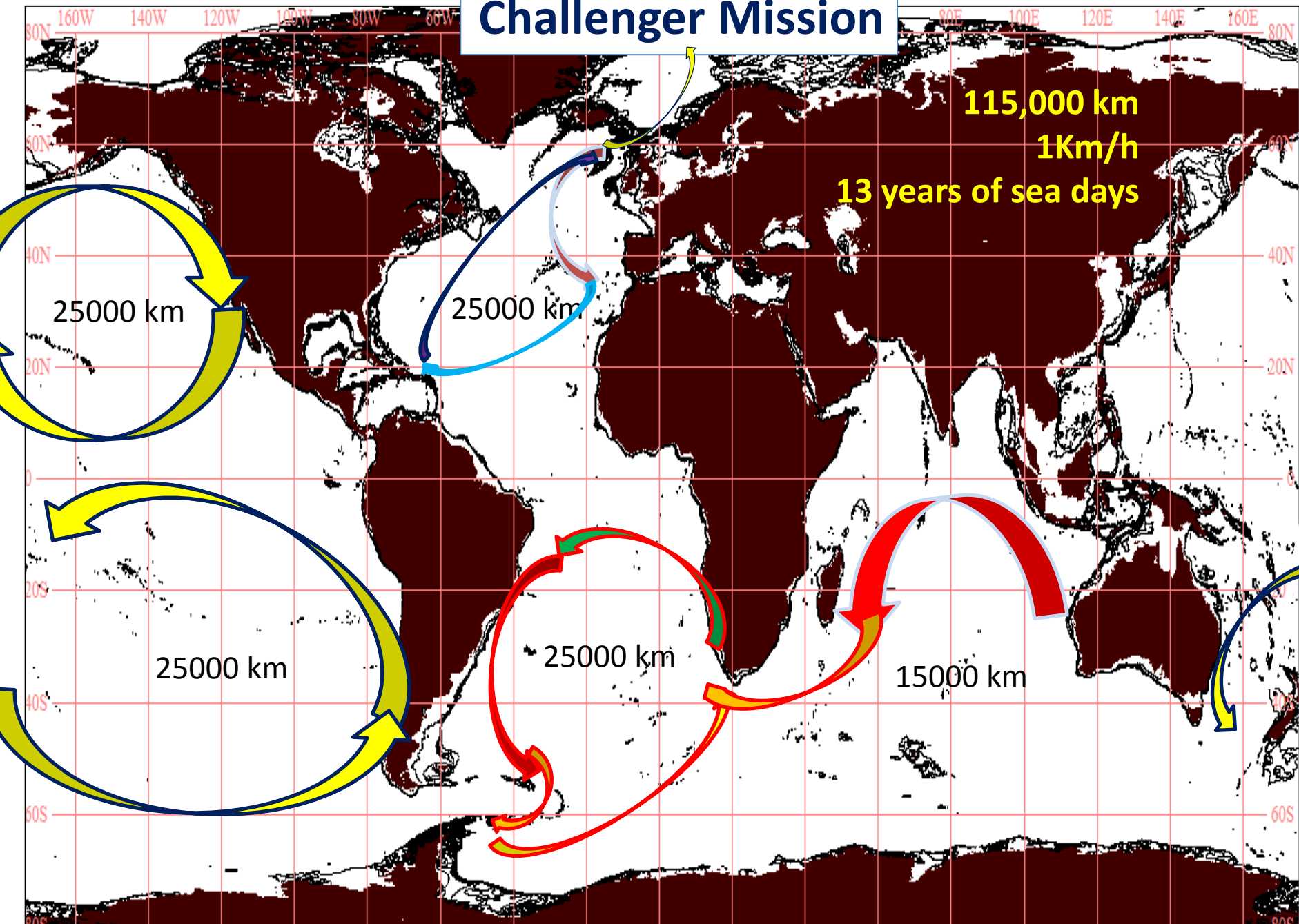
**REGIONAL OCEAN MODEL. ESEOO domain. Data Sets.**



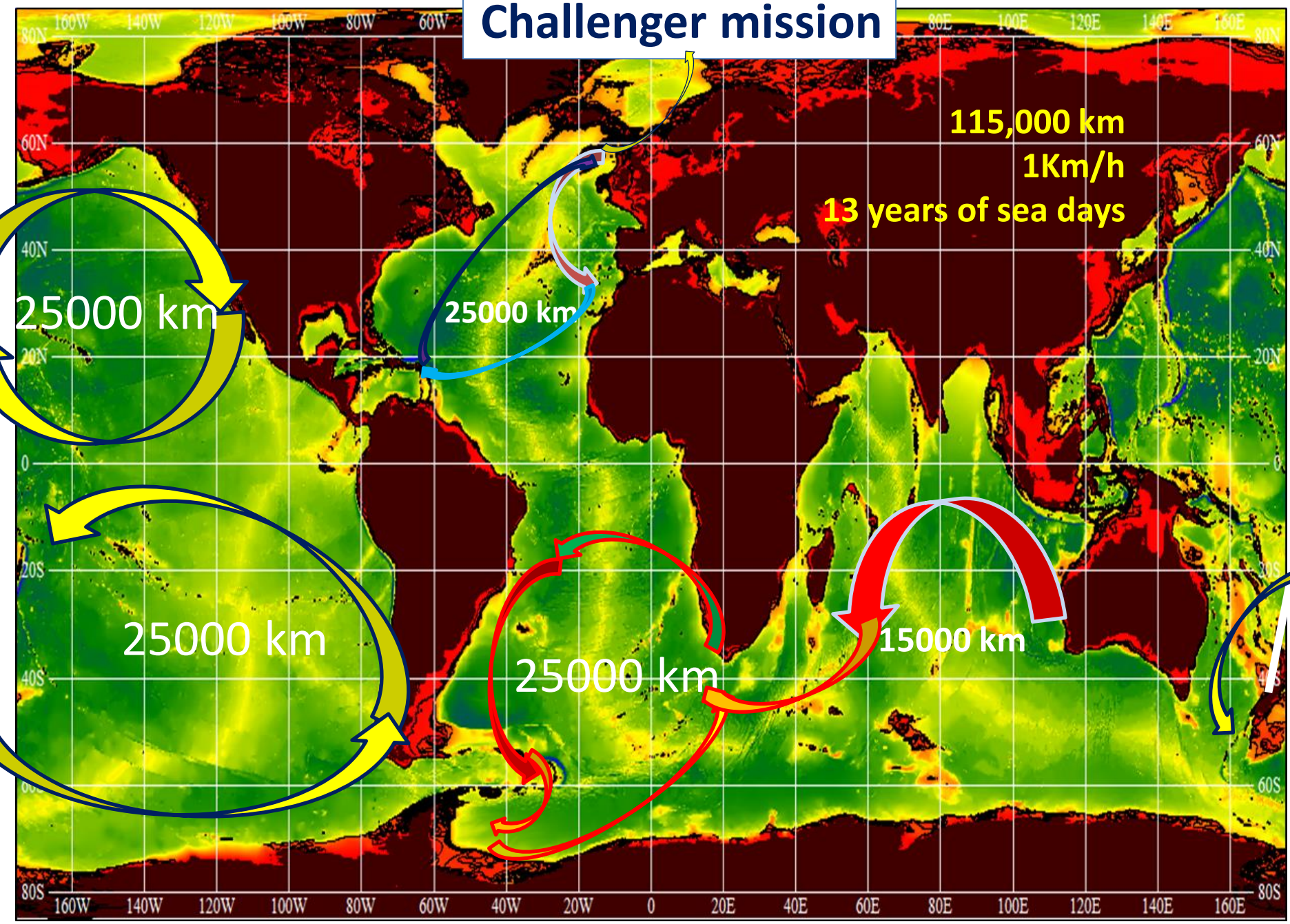




# Challenger Mission



# Challenger mission



**115,000 km**  
**1Km/h**  
**13 years of sea days**

**25000 km**

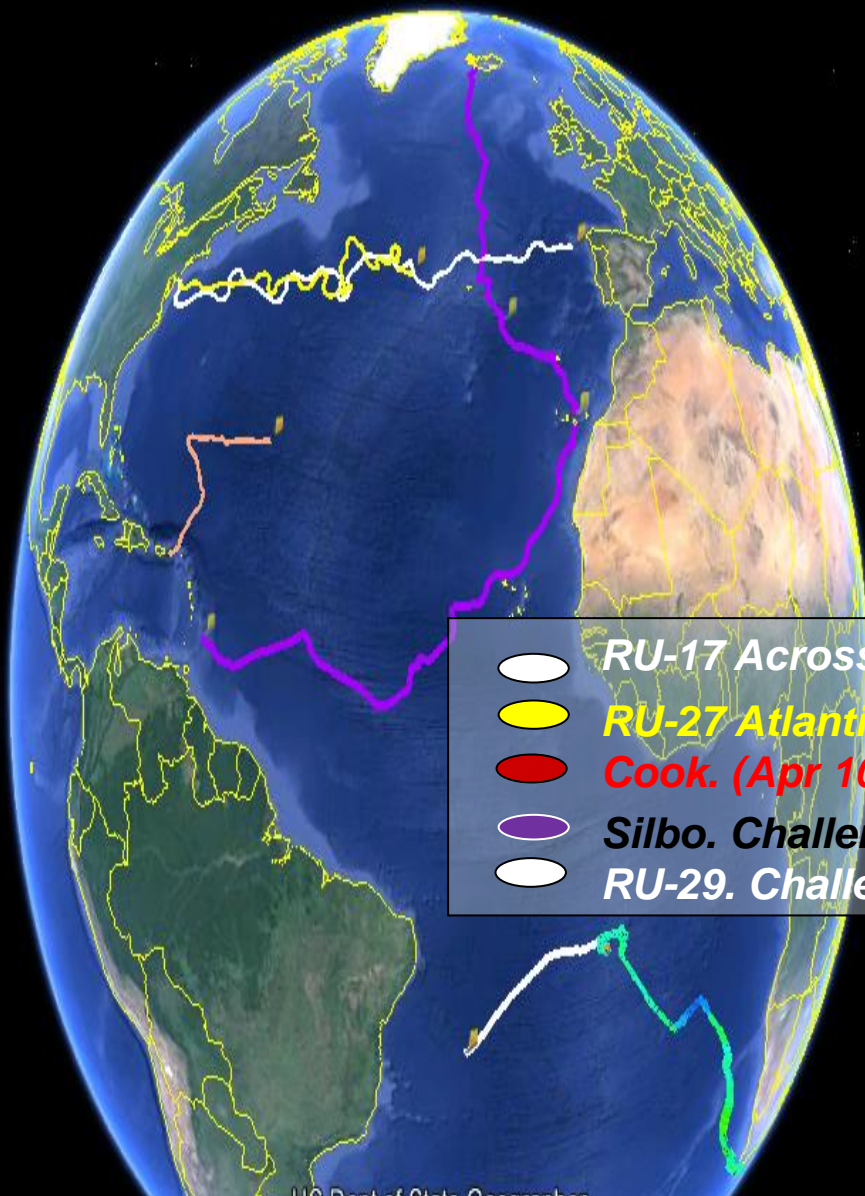
**25000 km**






**25000 km**

**25000 km**

**15000 km**





-  **RU-17 Across the Pond. (May–Oct 08)**
-  **RU-27 Atlantic Crossing. (Apr–Dec 09)**
-  **Cook. (Apr 10-Jul 10)**
-  **Silbo. Challenger 1 (Apr 11– )**
-  **RU-29. Challenger 1 (Jan 13– )**



Coastal Ocean  
Observation

[Link: http://www.i-cool.org/?cat=77](http://www.i-cool.org/?cat=77)

- > 2008
- 5 missions
- >45 months/sea
- > 34000 km

4 de diciembre de 2009. 9.05 am, Costa da morte  
221 días, 7409 km  
11000 bucles, 1000 comunicaciones  
Energía = ½ litro de gasolina

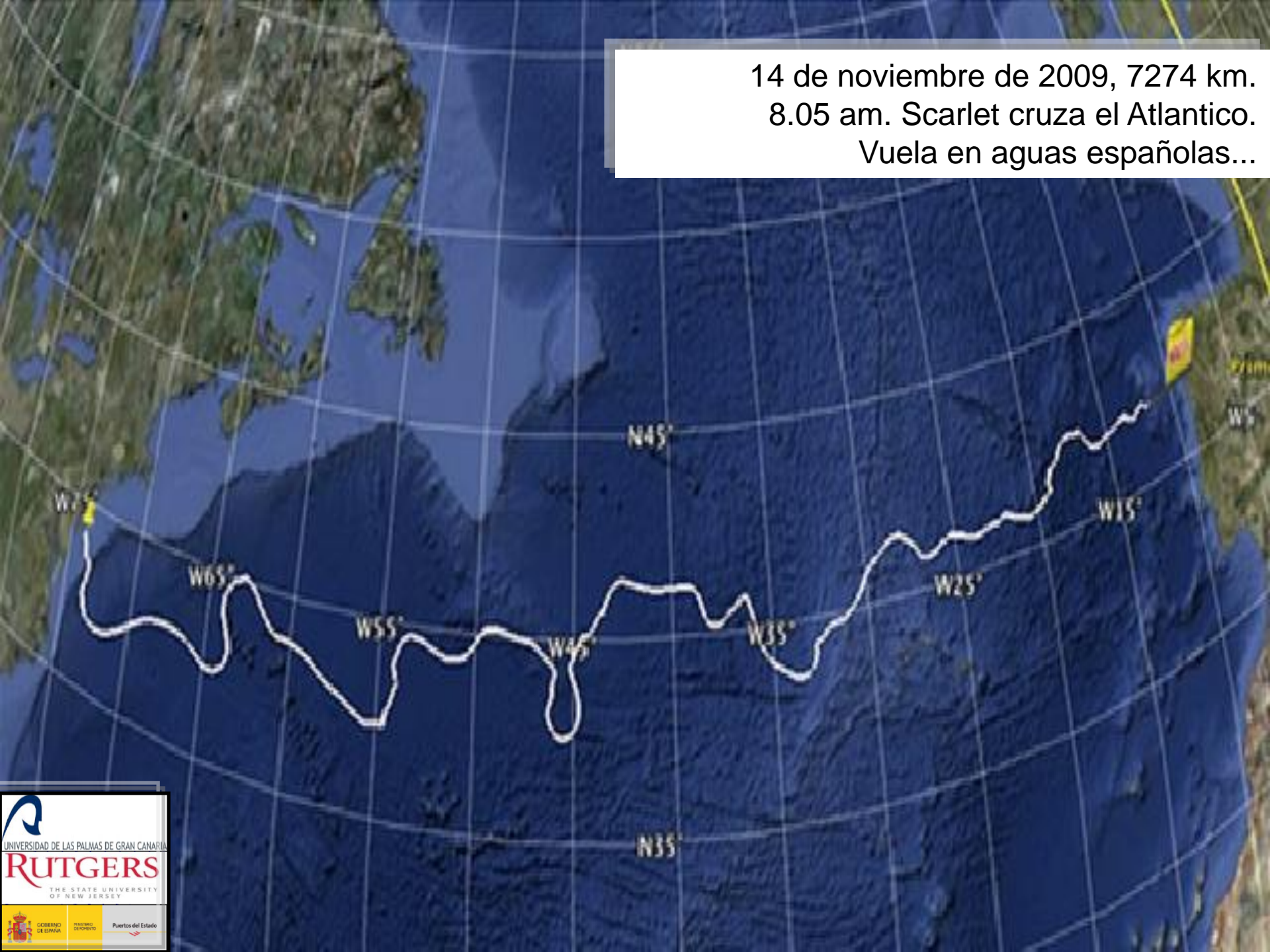
*1334 leguas de viaje submarino de la droide oceanográfica Scarlet RU-27...*

*“.... She was at sea for 221 days. She was alone, often in dangerous places, and usually out of touch. Her predecessor had disappeared in October 2008 on a similar trip, probably killed by a shark....”*

*The Washington Post*  
December 15, 2009



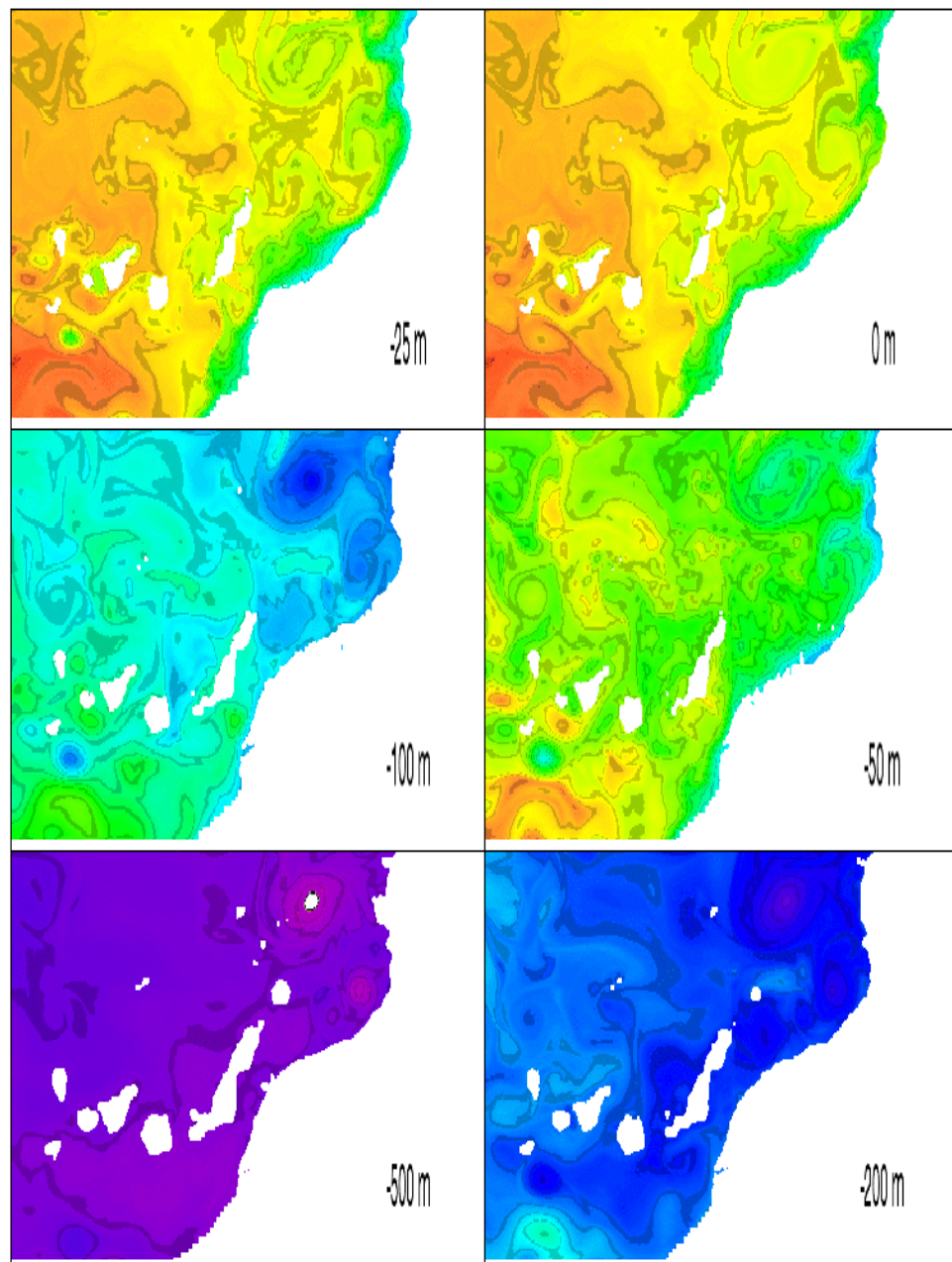
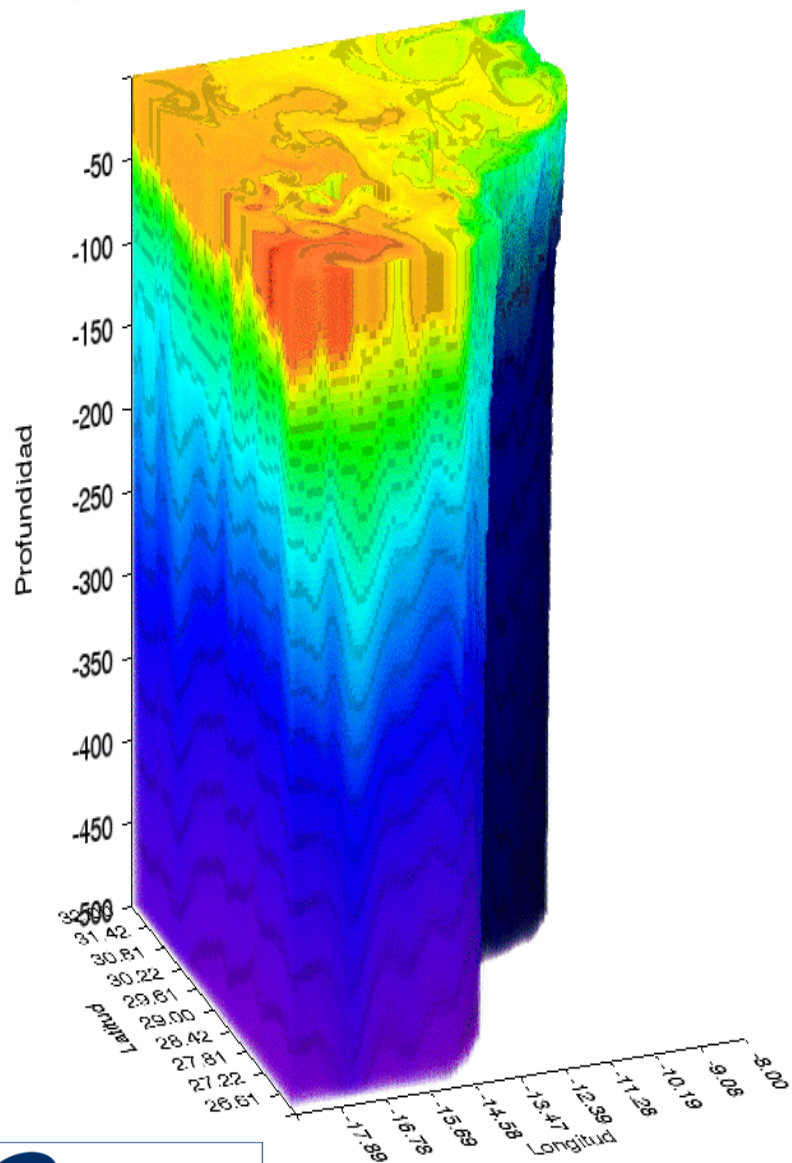
14 de noviembre de 2009, 7274 km.  
8.05 am. Scarlet cruza el Atlántico.  
Vuela en aguas españolas...



# Temperatura

10.0 10.9 11.9 12.8 13.8 14.7 15.6 16.6 17.5 18.5 19.4 20.4 21.3 22.2 23.2 24.1 25.1 26.0

IBI: 20111014



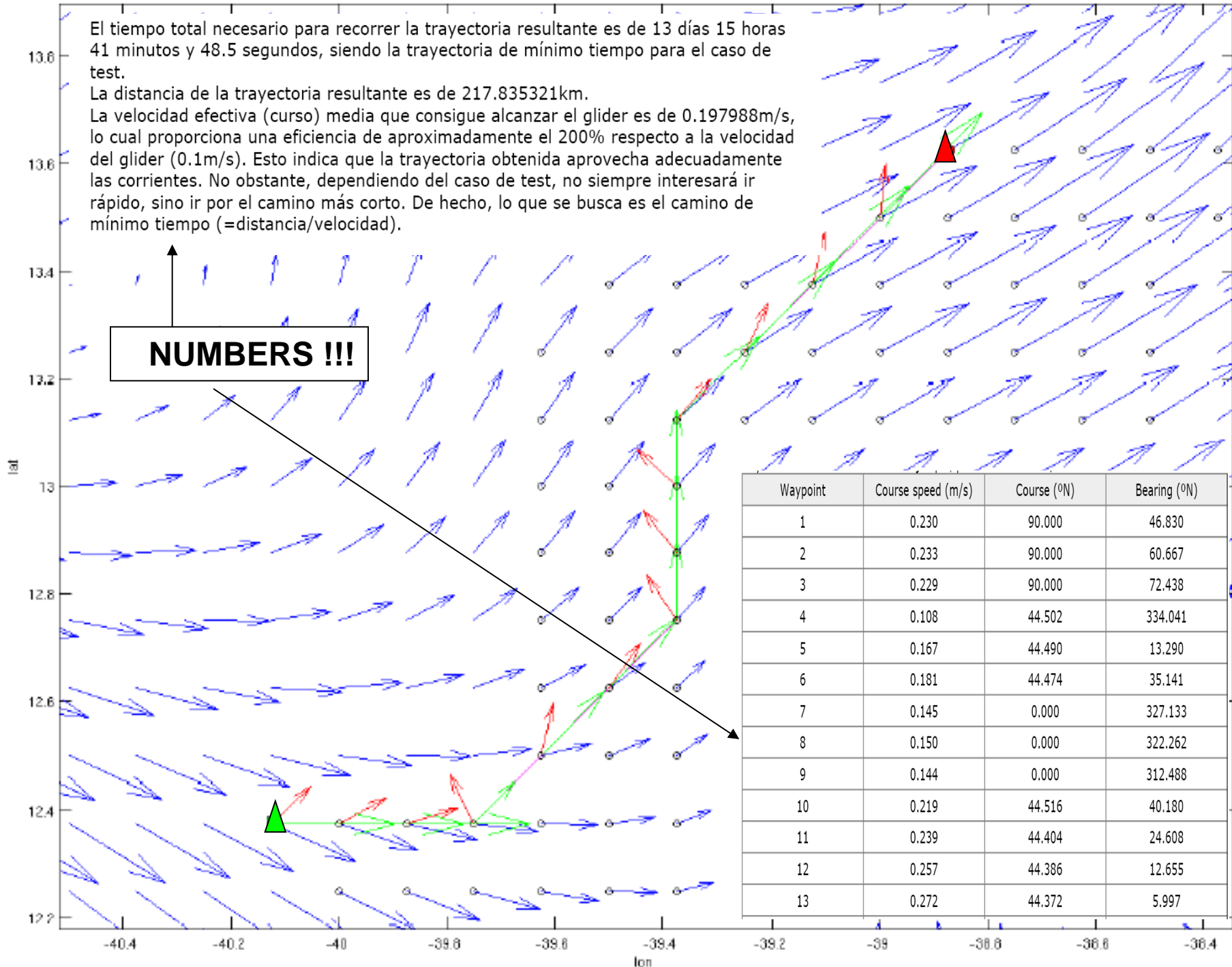


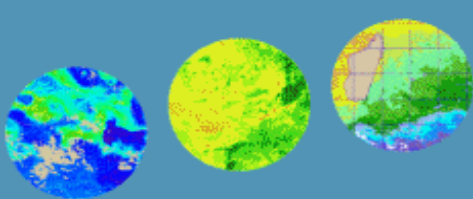
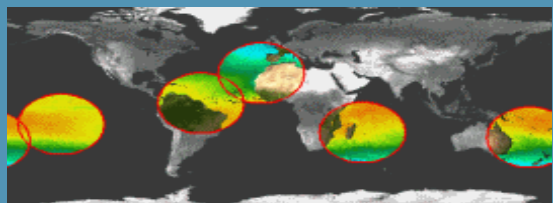
El tiempo total necesario para recorrer la trayectoria resultante es de 13 días 15 horas 41 minutos y 48.5 segundos, siendo la trayectoria de mínimo tiempo para el caso de test.

La distancia de la trayectoria resultante es de 217.835321km.

La velocidad efectiva (curso) media que consigue alcanzar el glider es de 0.197988m/s, lo cual proporciona una eficiencia de aproximadamente el 200% respecto a la velocidad del glider (0.1m/s). Esto indica que la trayectoria obtenida aprovecha adecuadamente las corrientes. No obstante, dependiendo del caso de test, no siempre interesará ir rápido, sino ir por el camino más corto. De hecho, lo que se busca es el camino de mínimo tiempo (=distancia/velocidad).

**NUMBERS !!!**



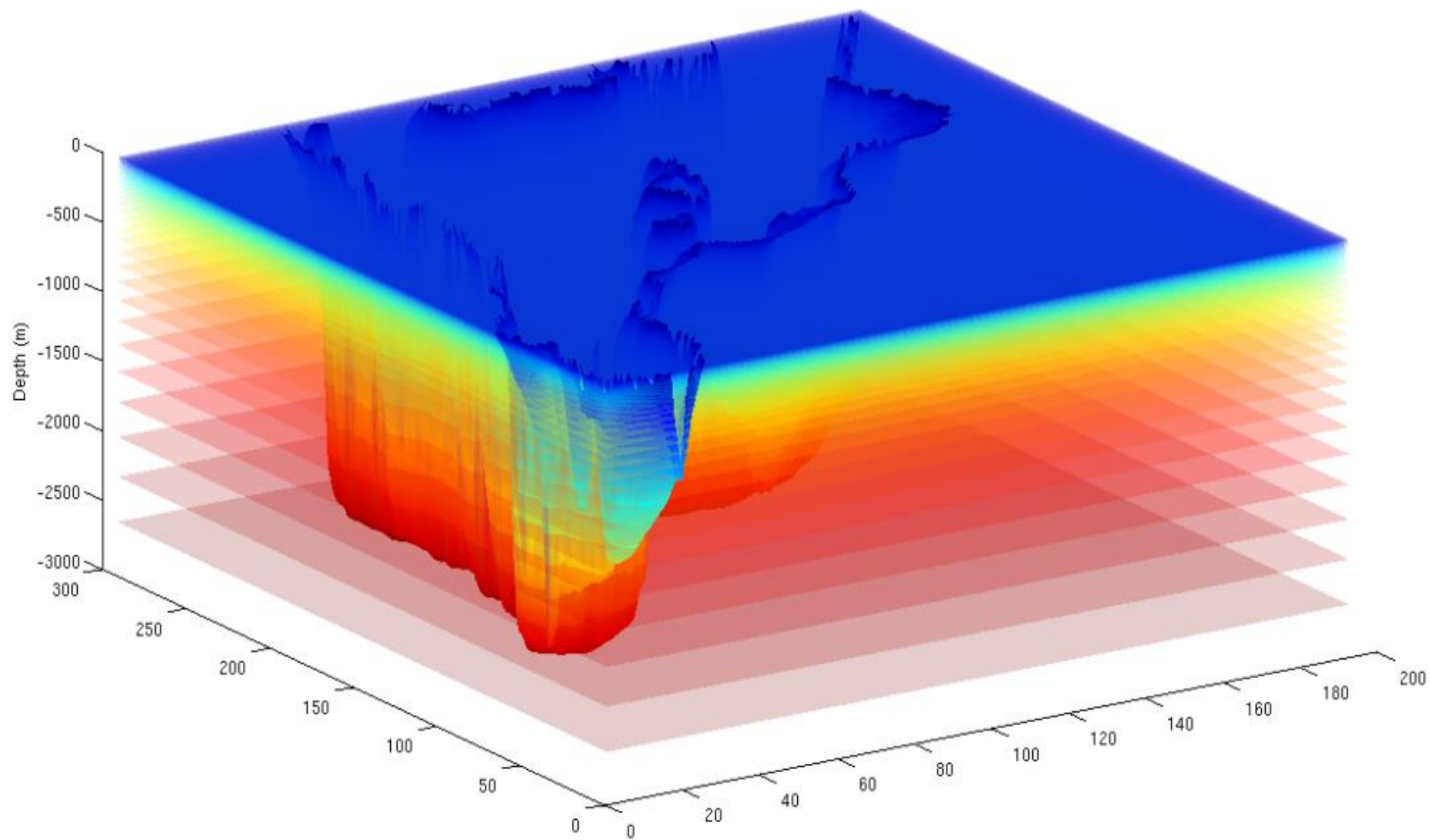


# SEASnet

Réseau de stations de réception et d'exploitation de données des satellites d'observation de la Terre

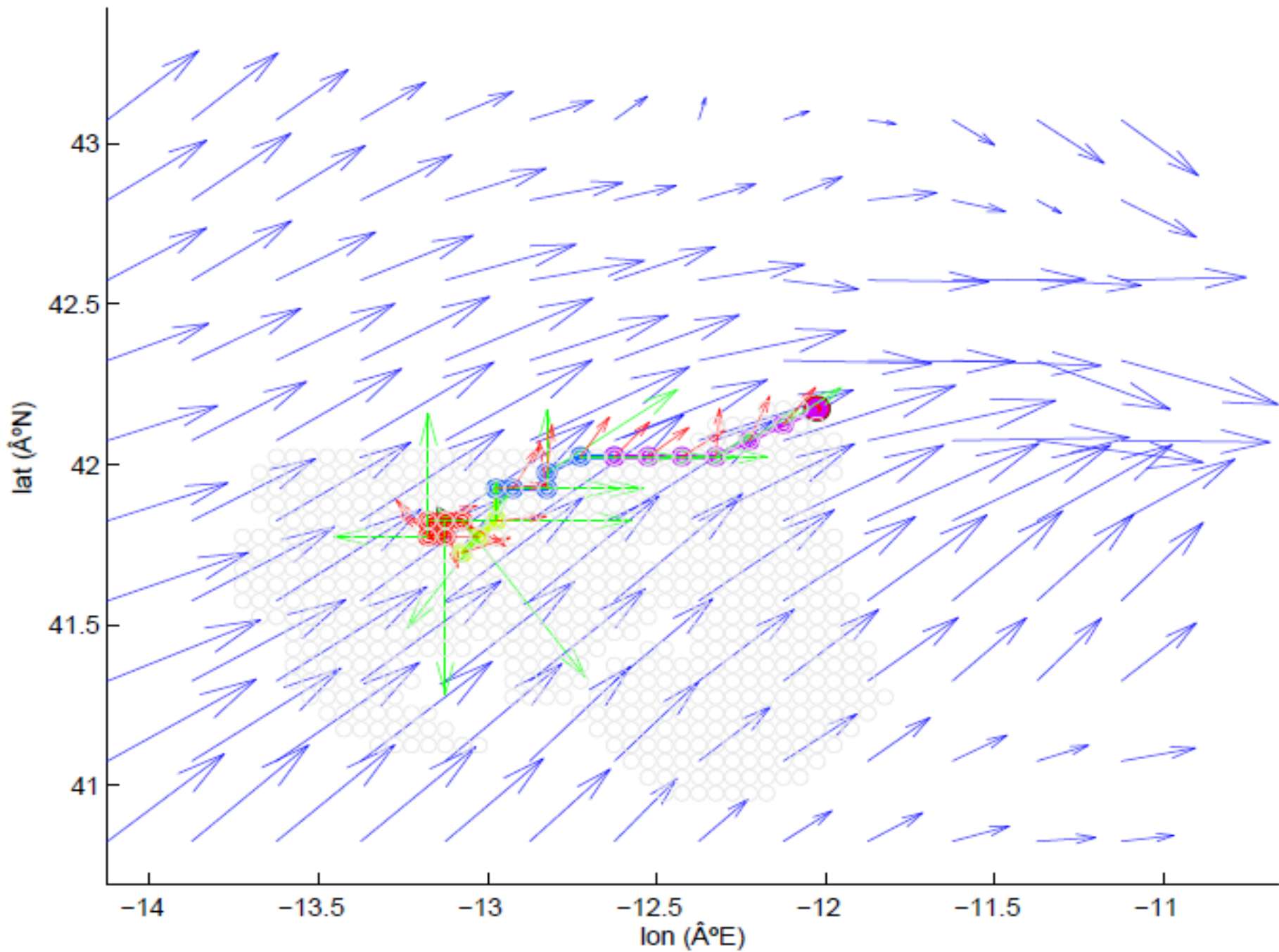
Diffusion de données

ESEOMED Bathymetry and z-level planes





Path plan 20091122 - Glider speed = 0.150m/s



ED ESTA PLANA CARTA DE LA CHAVETA PUEDE  
 A SU REGRESO DE DESCUBRIR LAS AMERICAS  
 ENCOMENDADA POR MARTIN ALONSO PINZON  
 — ET DIA 1 DE MARZO DE 1493 —  
 BUENOS PUERTOS ET PRIMER PUERTO DEL VIEJO  
 CONTINENTE EN CONOCER ESTE GLORIOSO HECHO



RUTA DE PINZON

RUTA DE CORDON

BUENOS  
 1 DE MARZO  
 DE 1493

LISBONA  
 3 DE MARZO  
 DE 1493

PATOS  
 15 DE MARZO  
 DE 1493

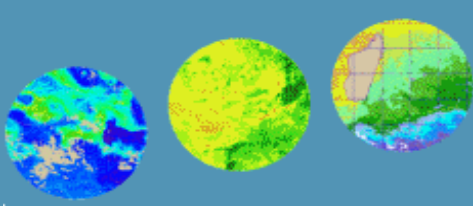
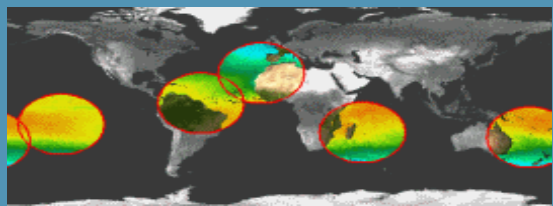
CAROLINA  
 CAROLINA  
 SAN JUAN  
 SAN NICOLAS  
 AMERICA



*4 de diciembre de 2009. 9.05 am, Costa da morte*  
*221 días, 7409 km*  
*11000 bucles, 1000 comunicaciones*  
*Energía = ½ litro de gasolina*







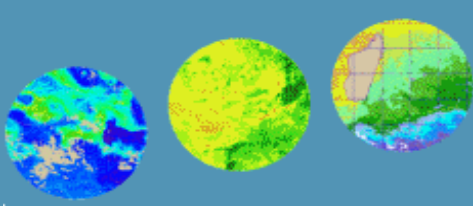
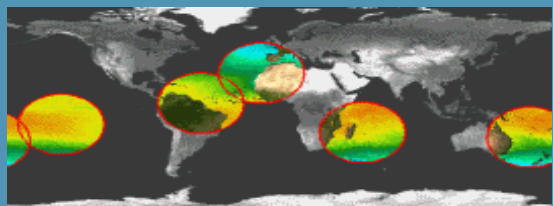
# SEASnet

Réseau de stations de réception et d'exploitation de données des satellites d'observation de la Terre



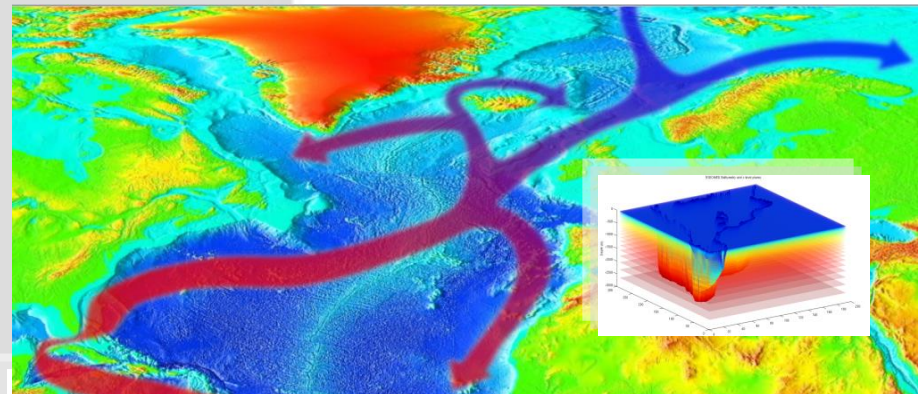
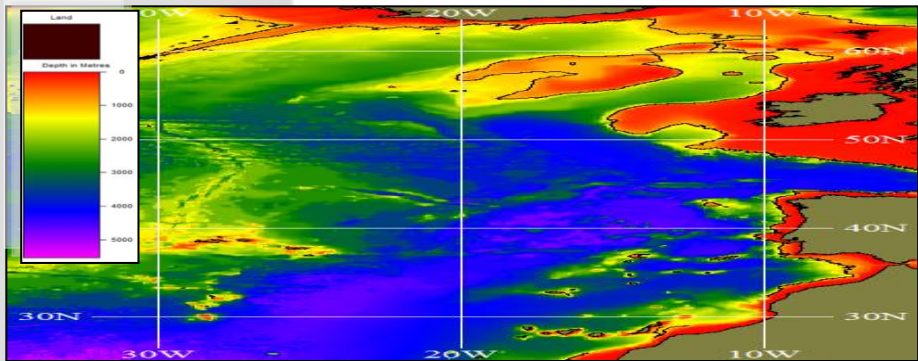
Trabaja duro...Diviérte haciéndolo y cambia el mundo....



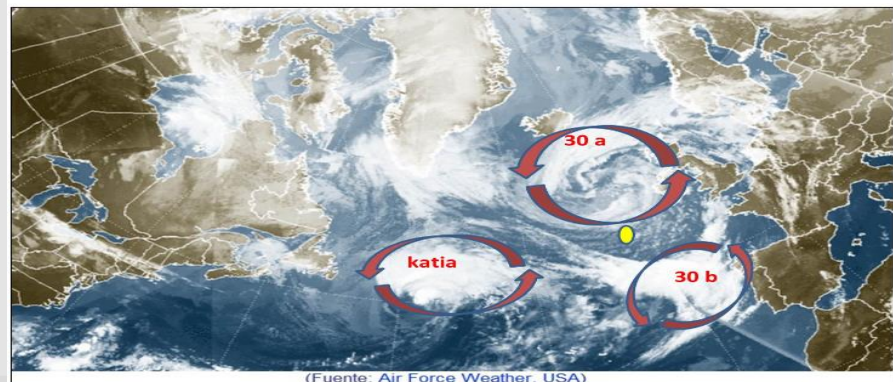


# SEASnet

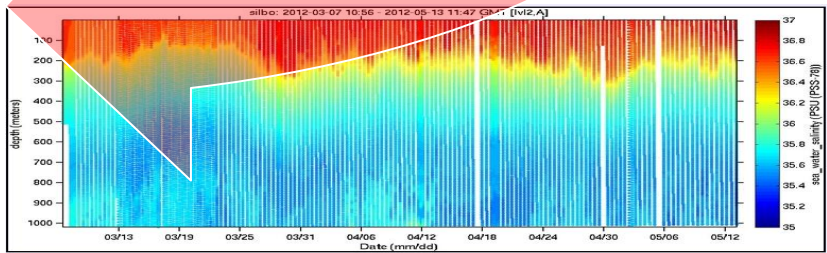
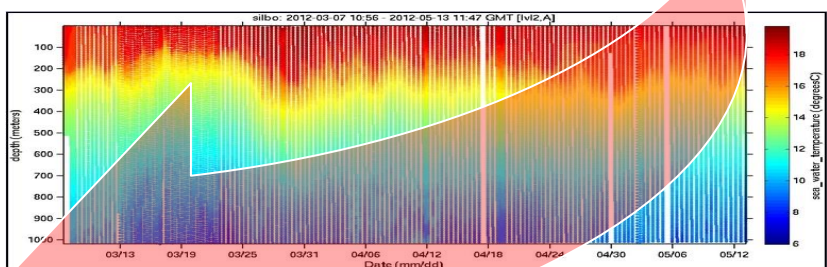
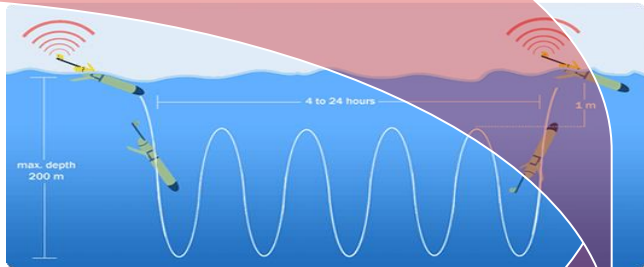
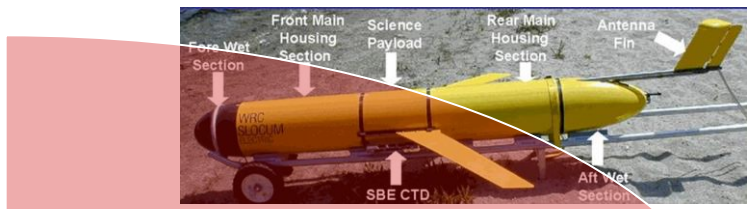
Le réseau de stations de réception de l'IRD et ses partenaires



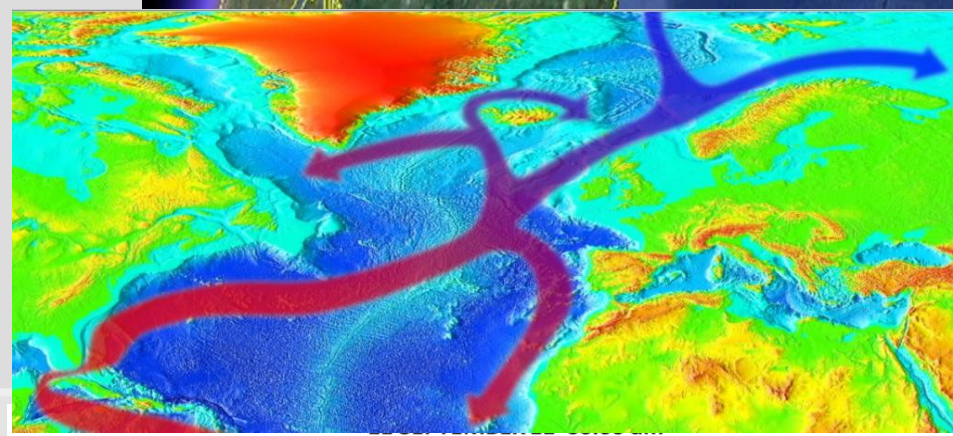
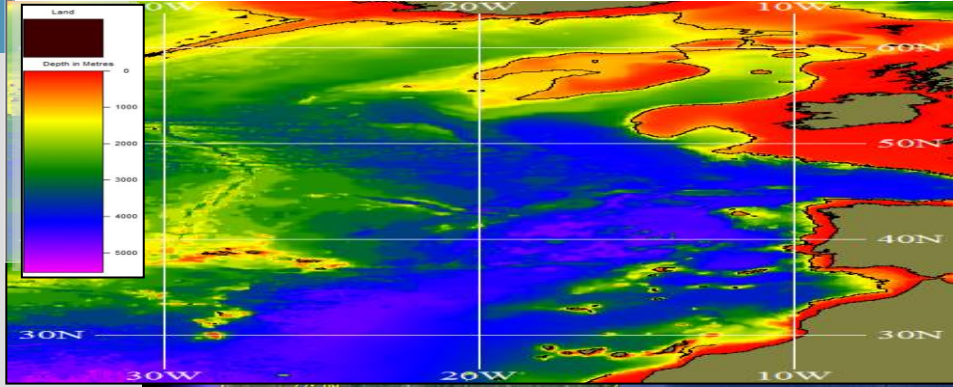
The Perfect Storm



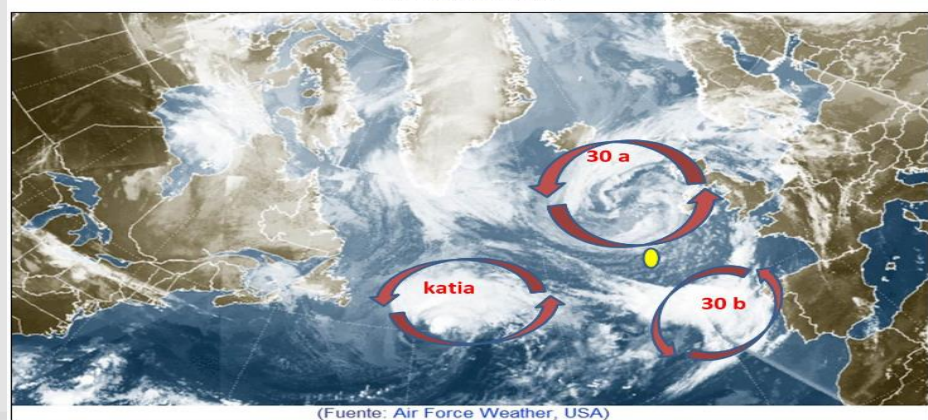
(Fuente: Air Force Weather, USA)



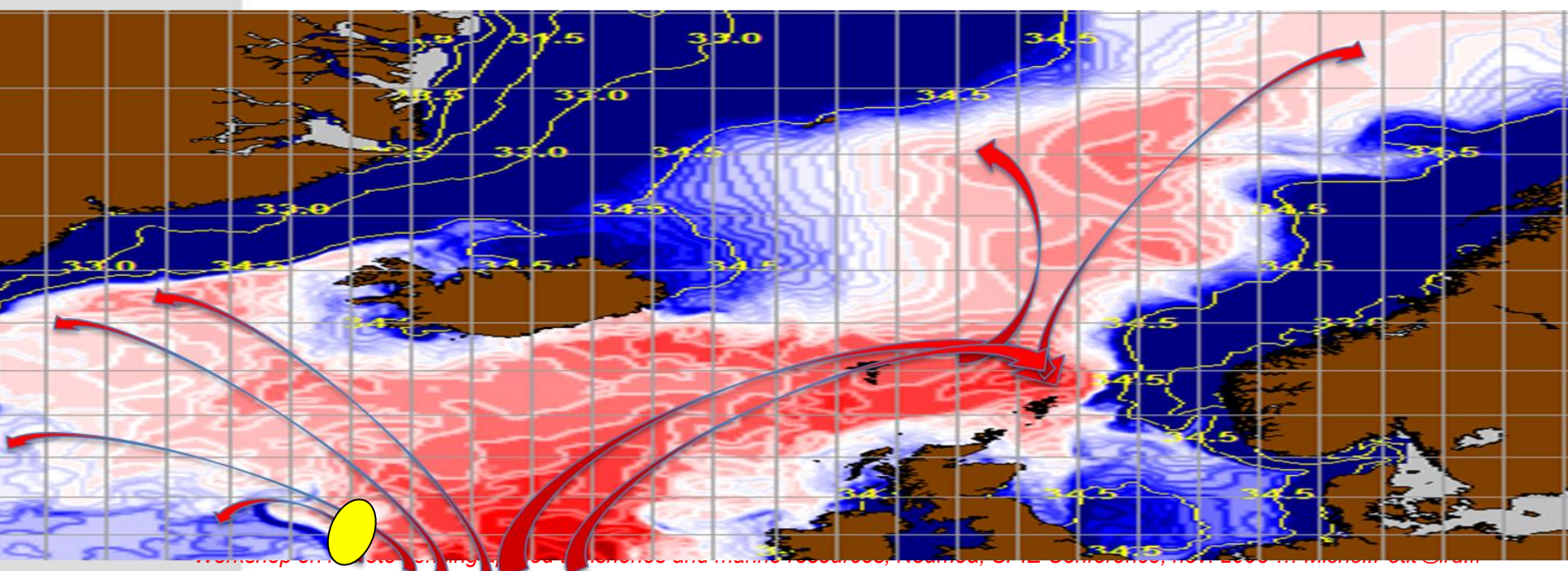
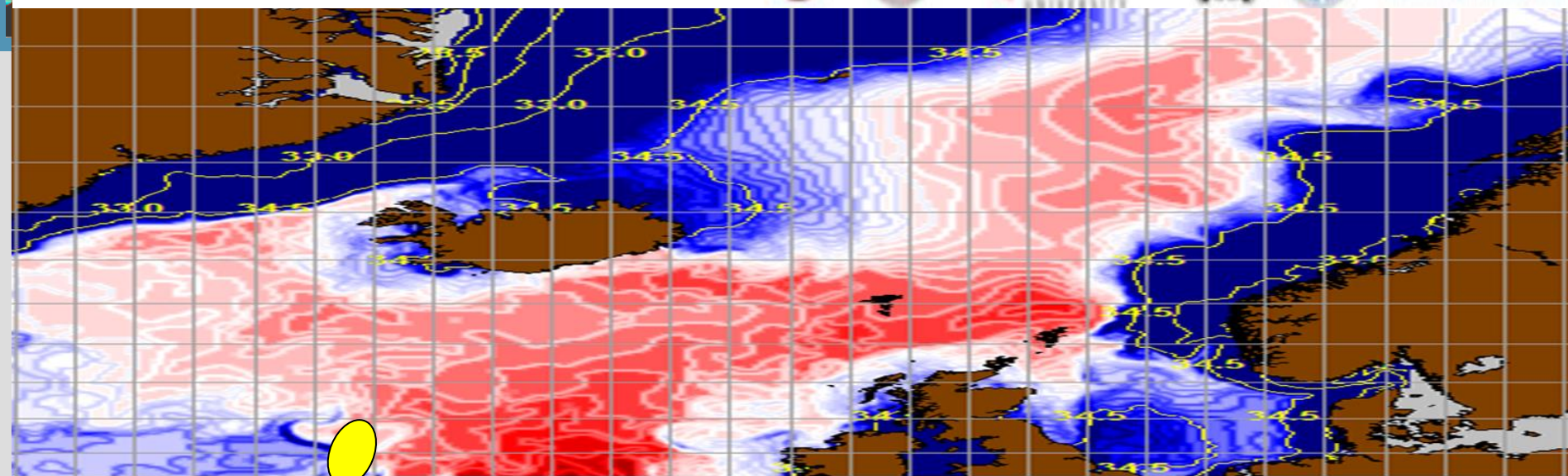




The Perfect Storm

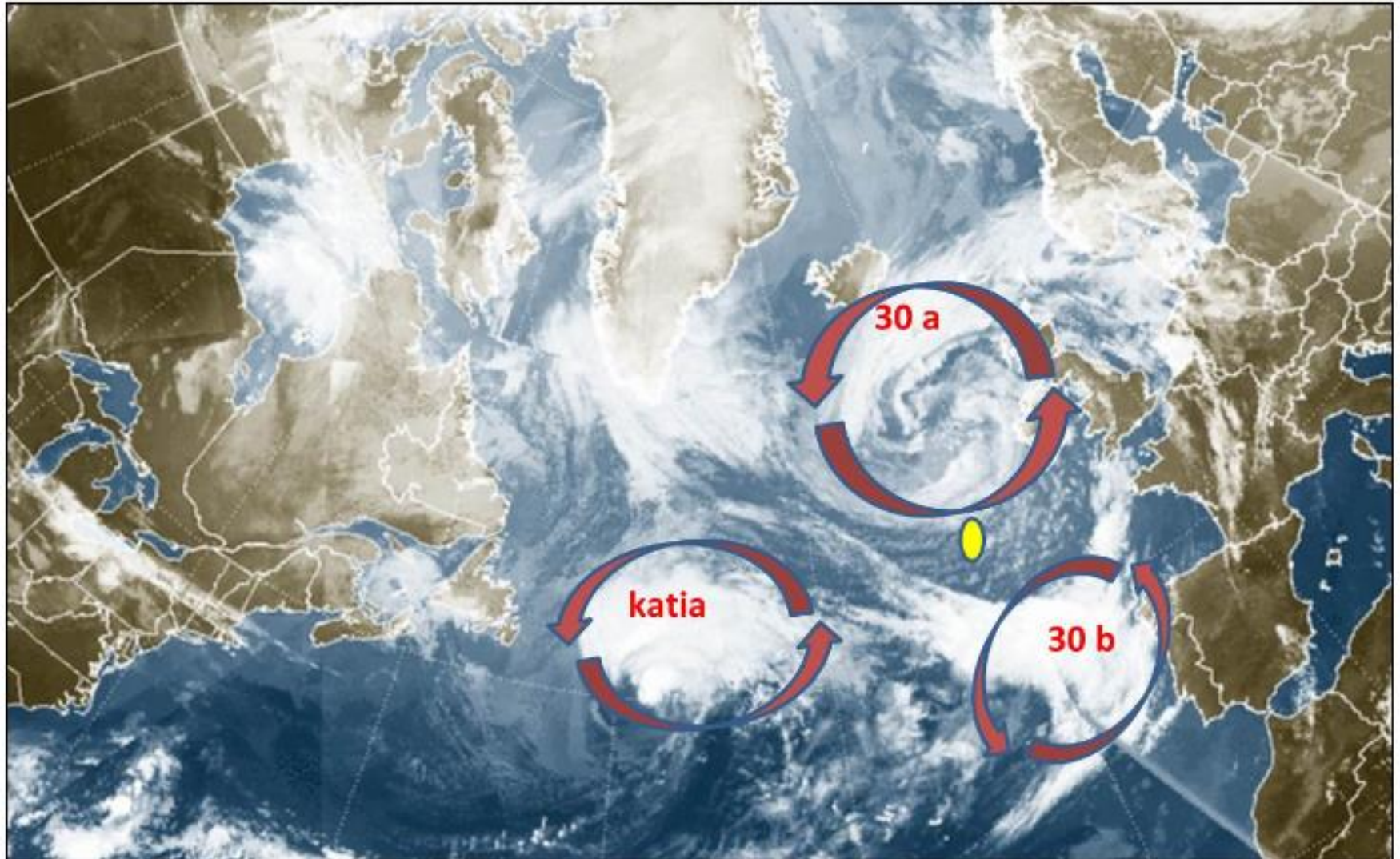






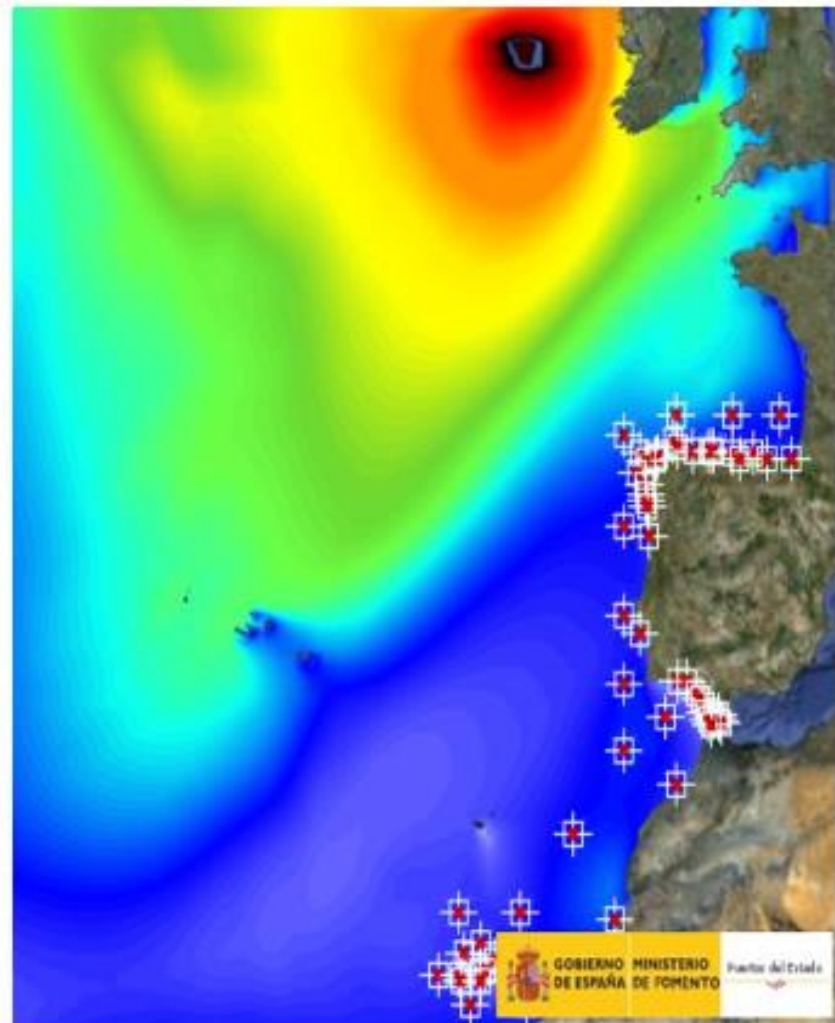
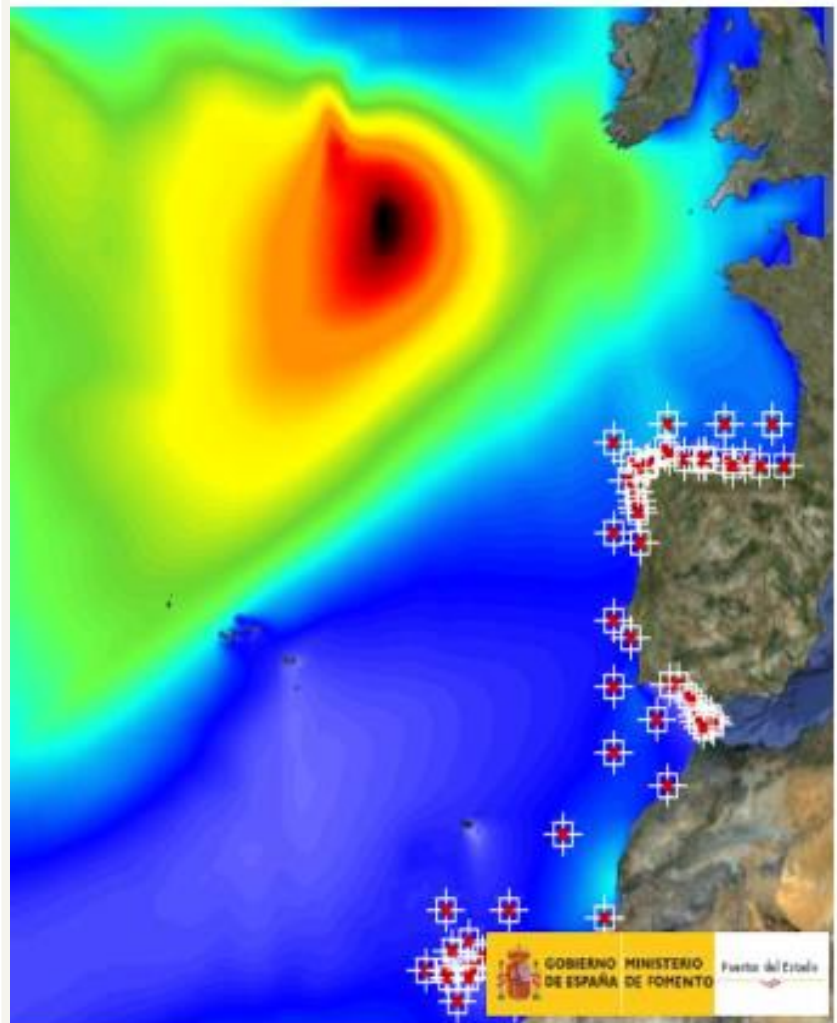
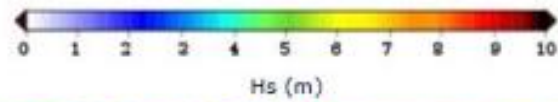


## The Perfect Storm



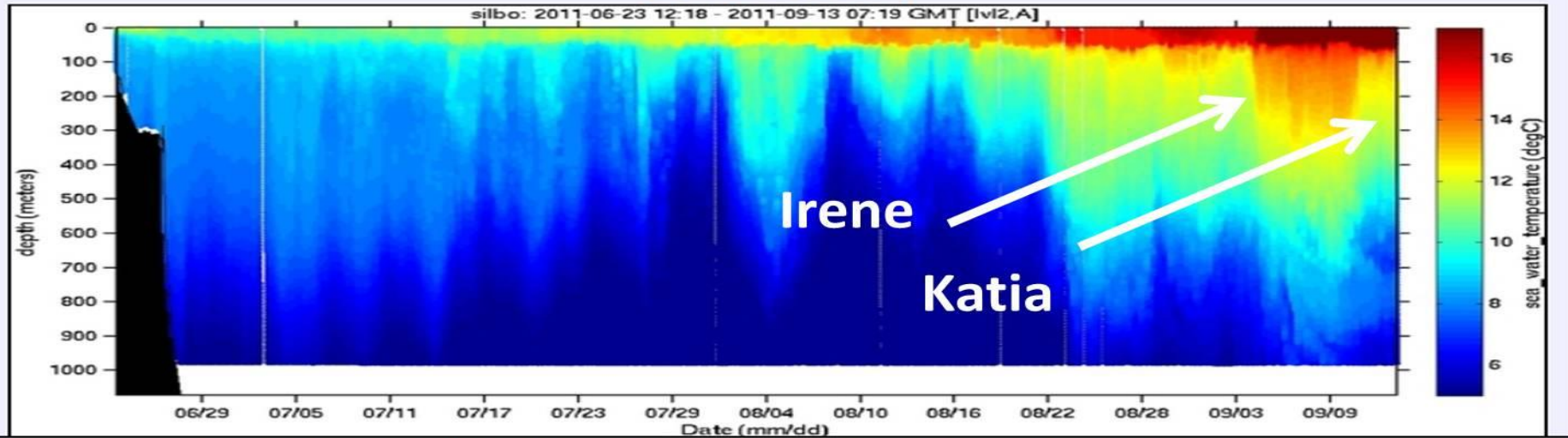
(Fuente: Air Force Weather, USA)



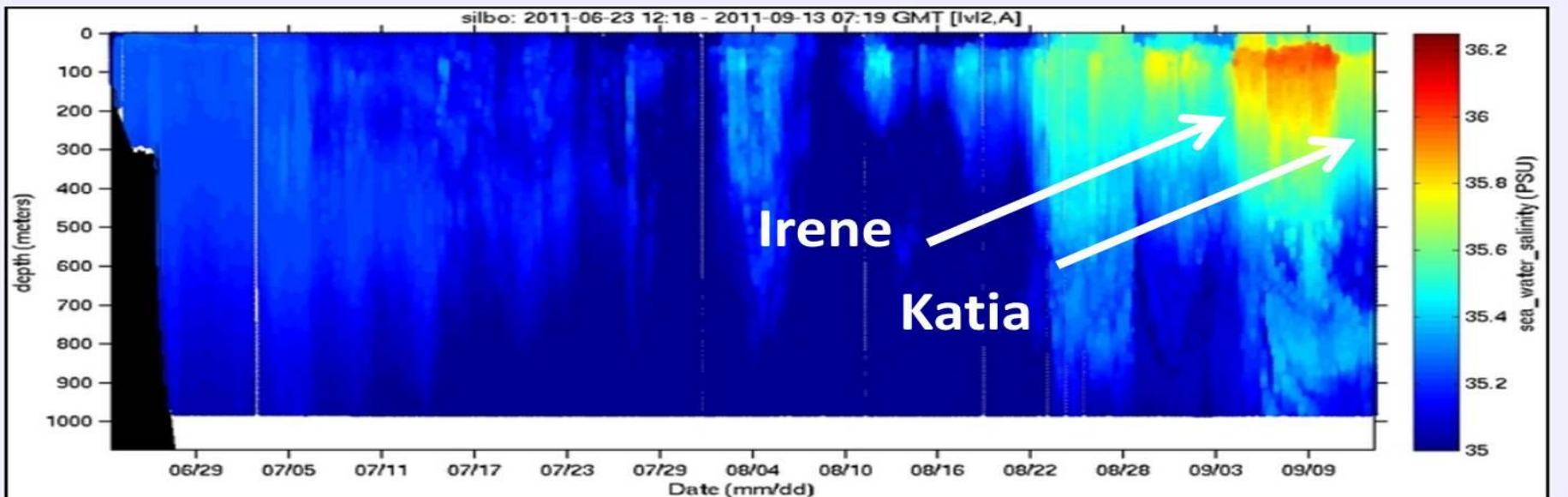


12 September 06.00 am

### Temperature (°C): 2011-06-23 12:18 - 2011-09-13 07:19 GMT (Time Series)

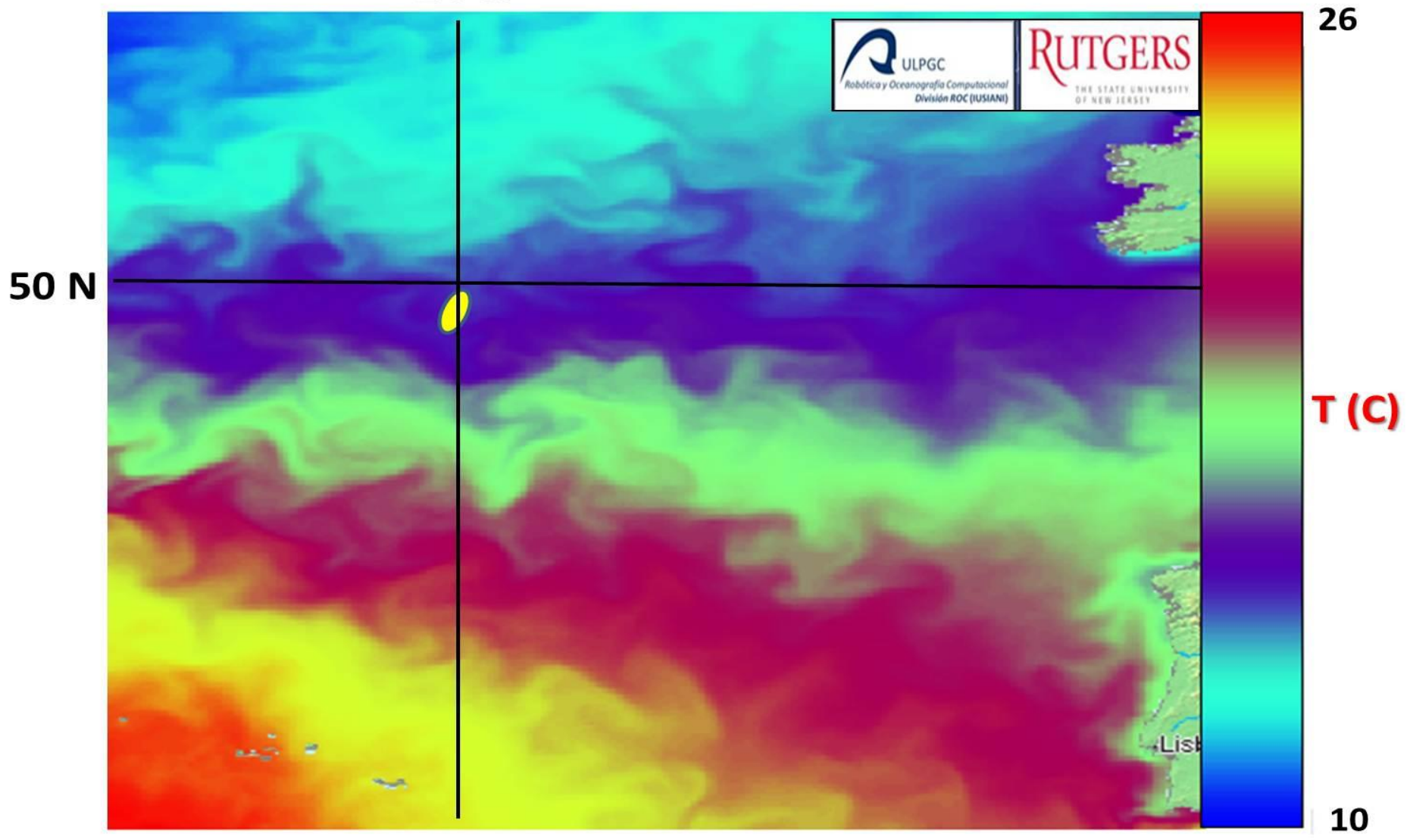


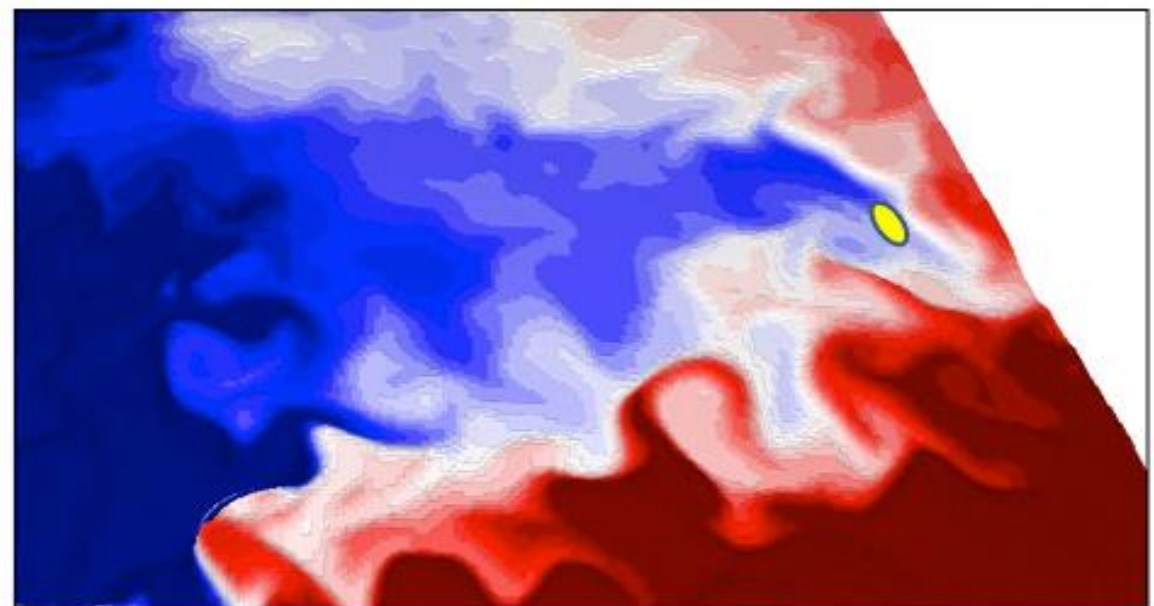
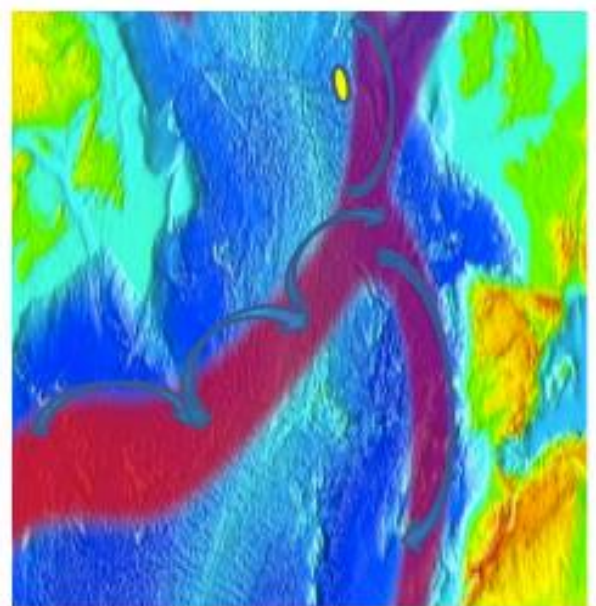
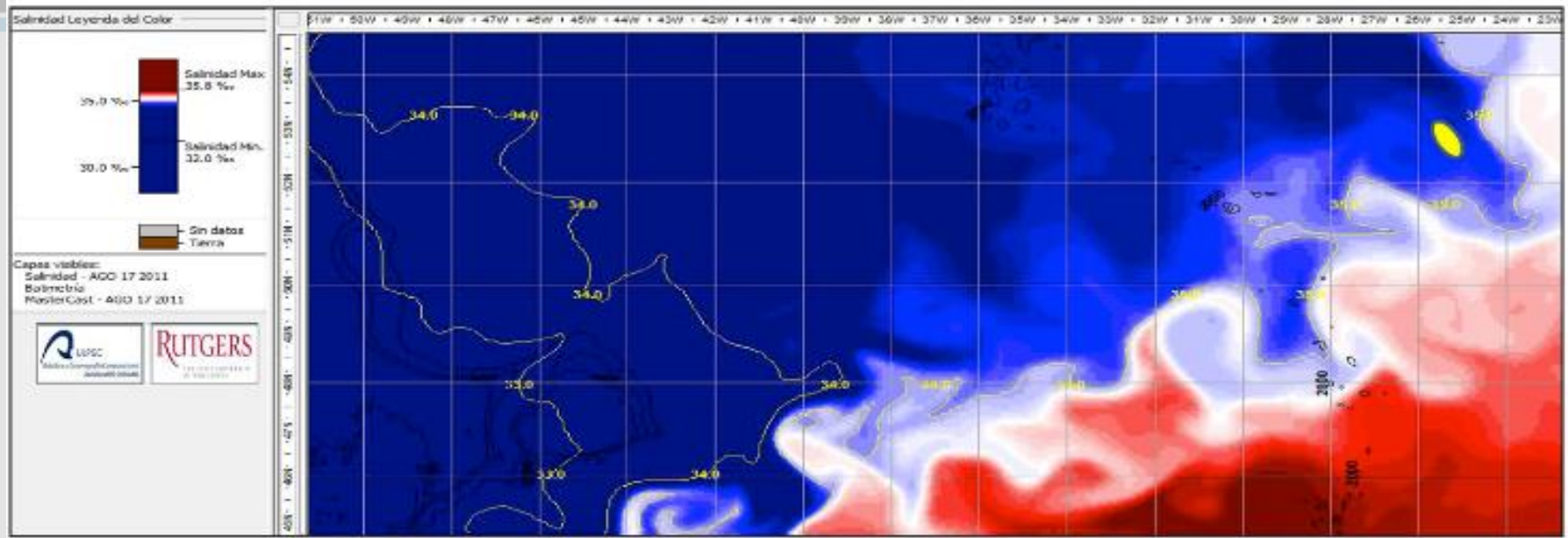
### Salinity (PSU): 2011-06-23 12:18 - 2011-09-13 07:19 GMT (Time Series)



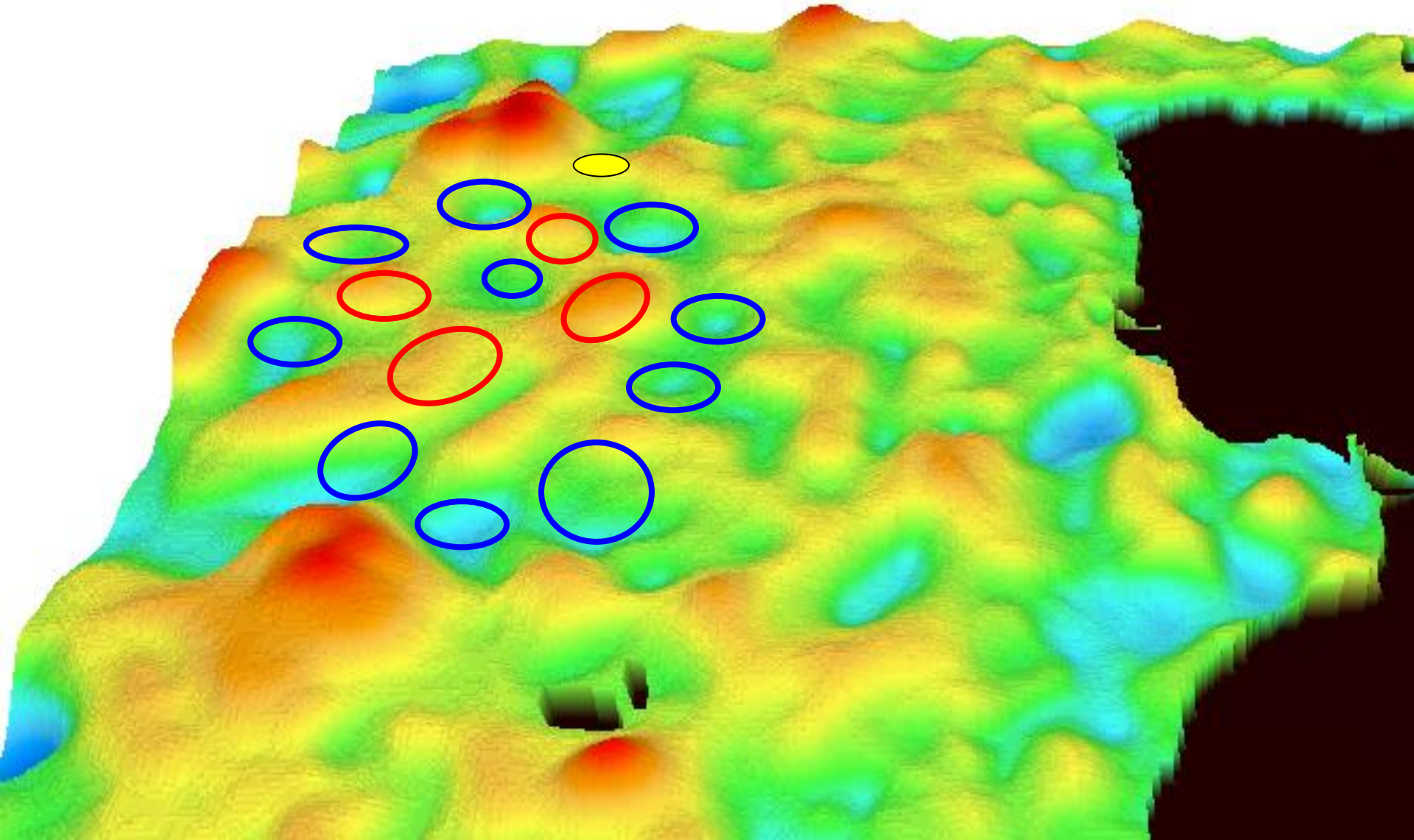


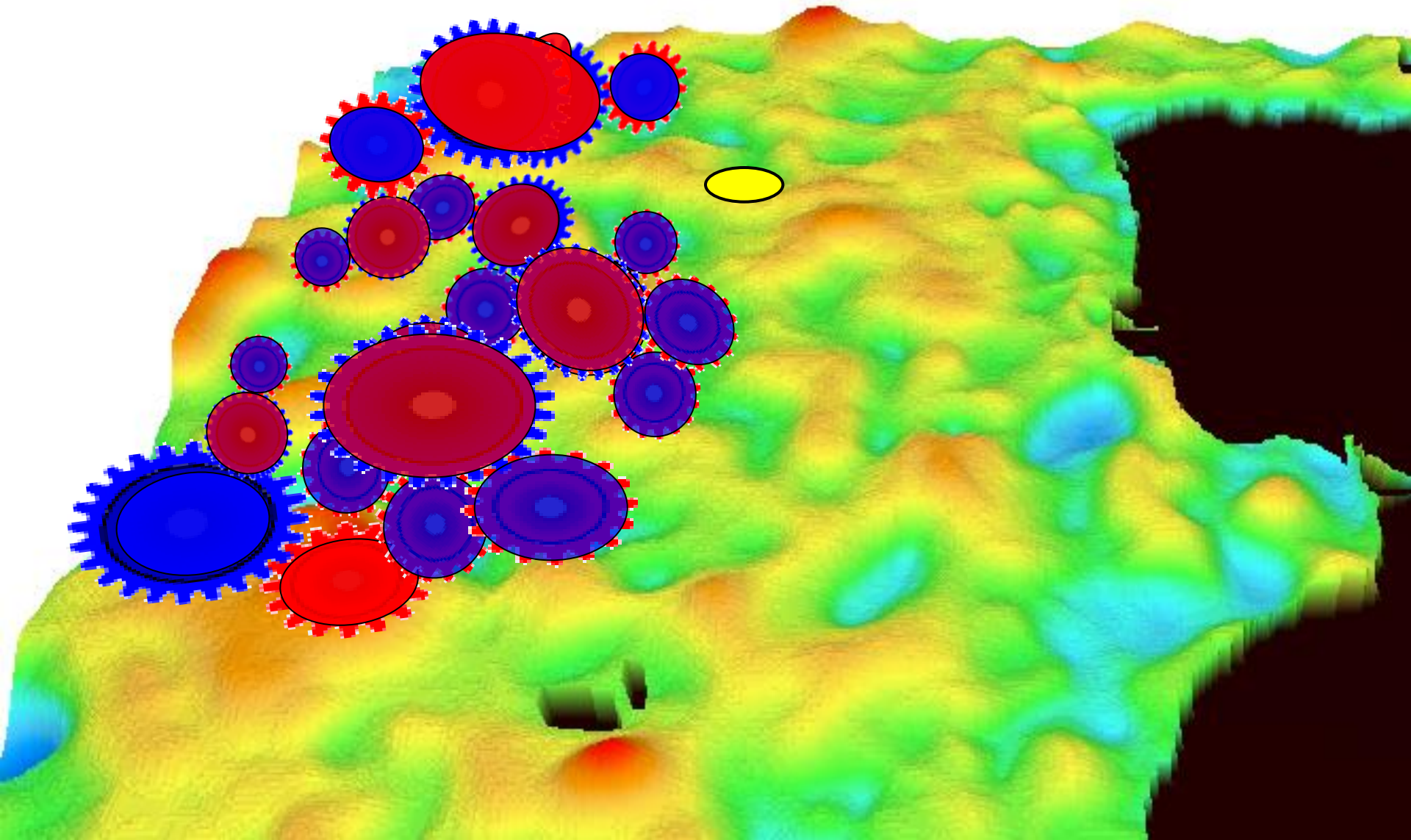
24 W **SST. 28th aug 11.**



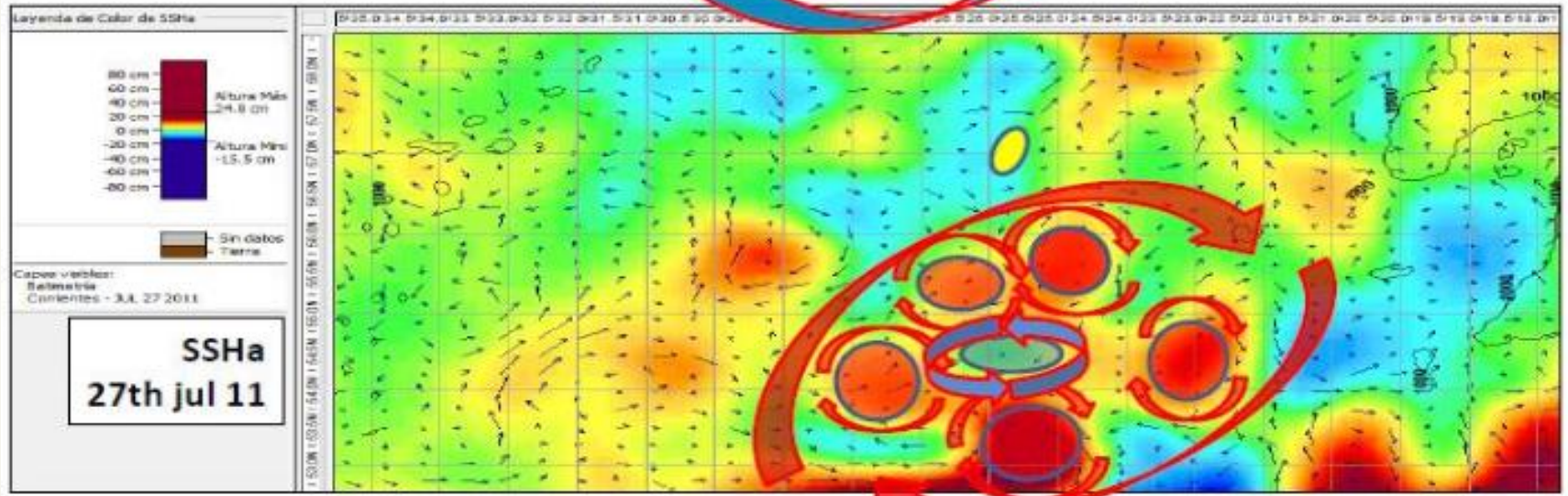
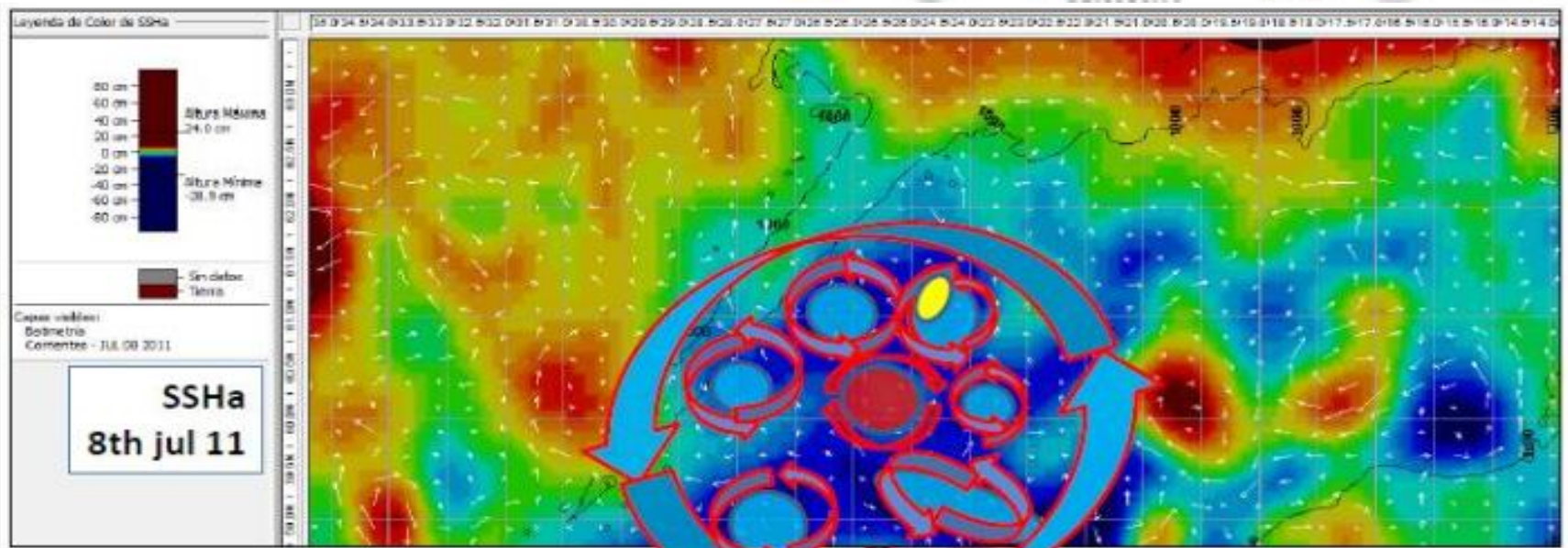




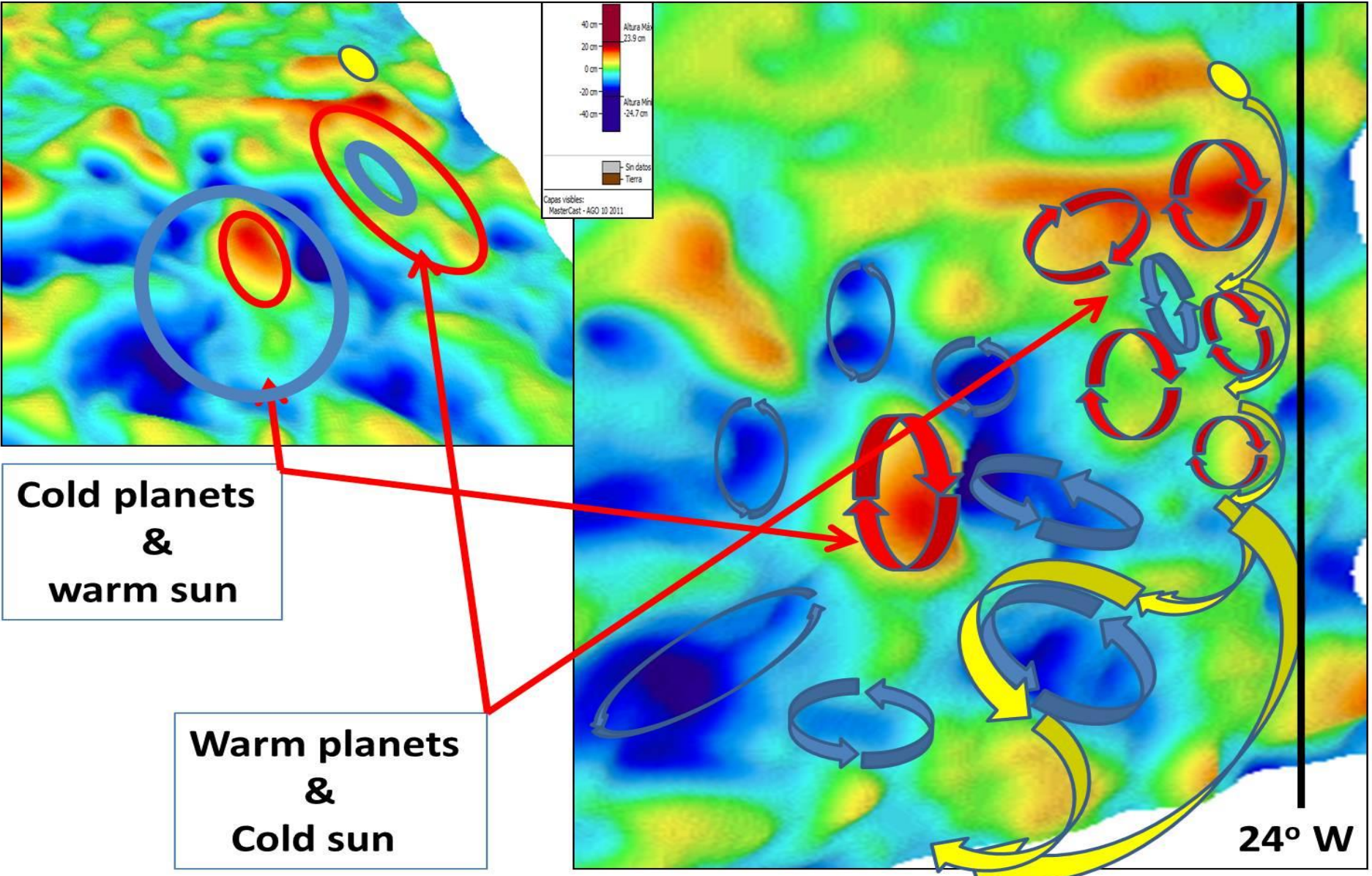




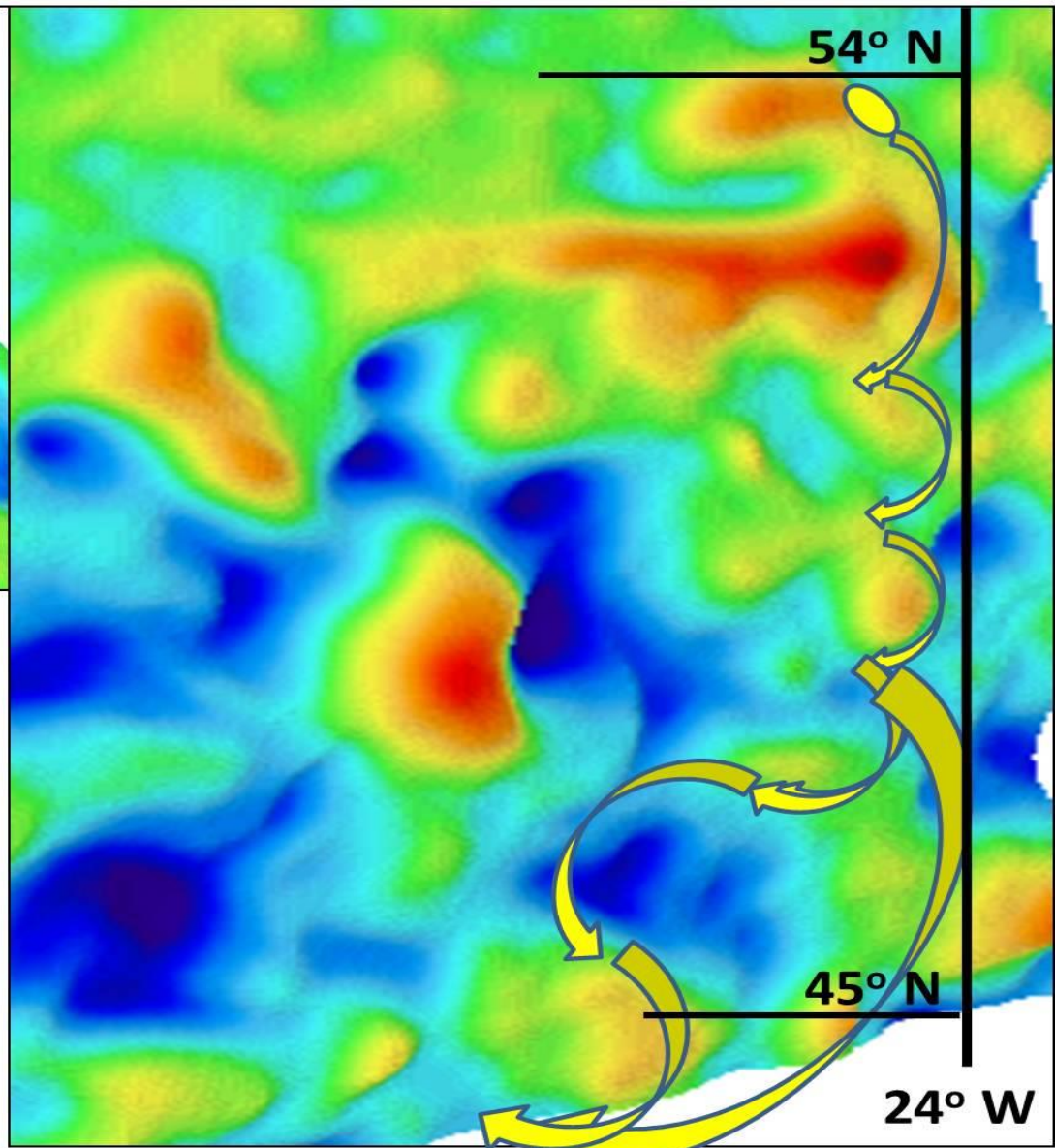
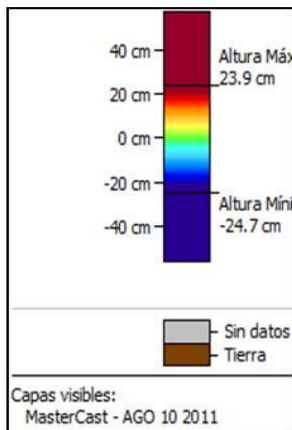
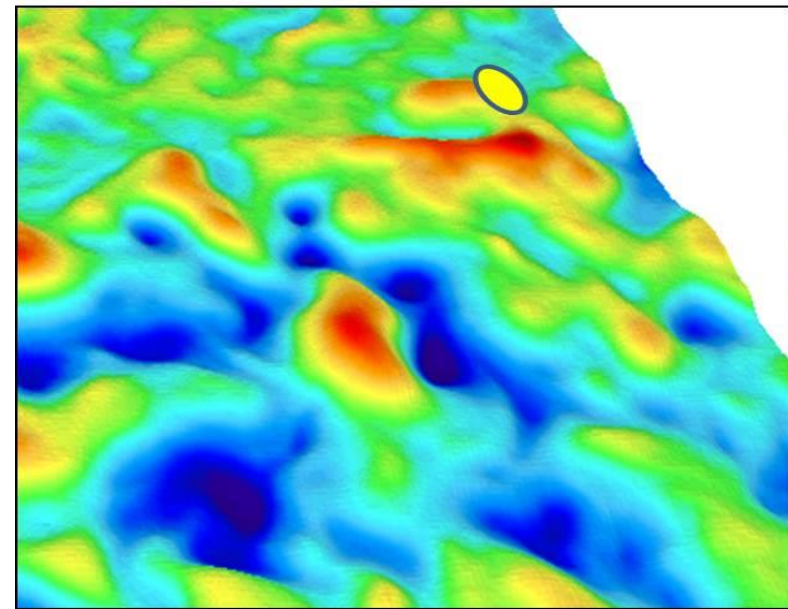






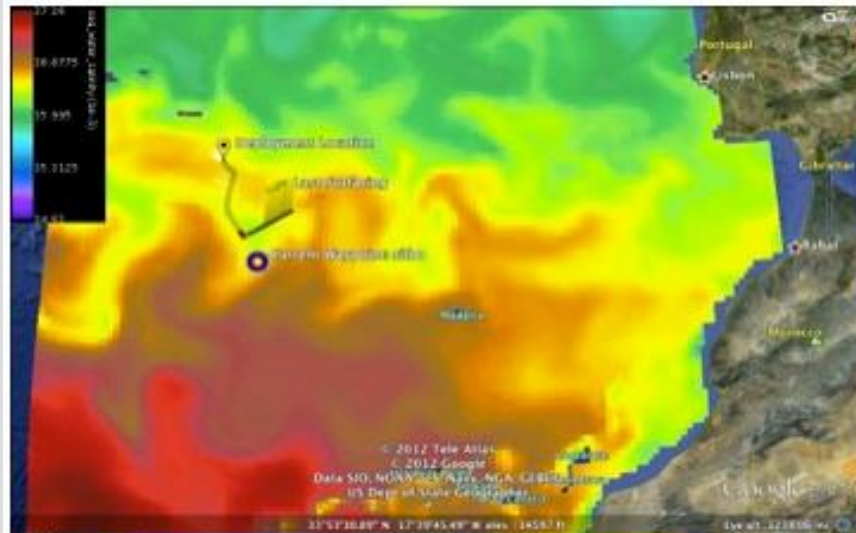




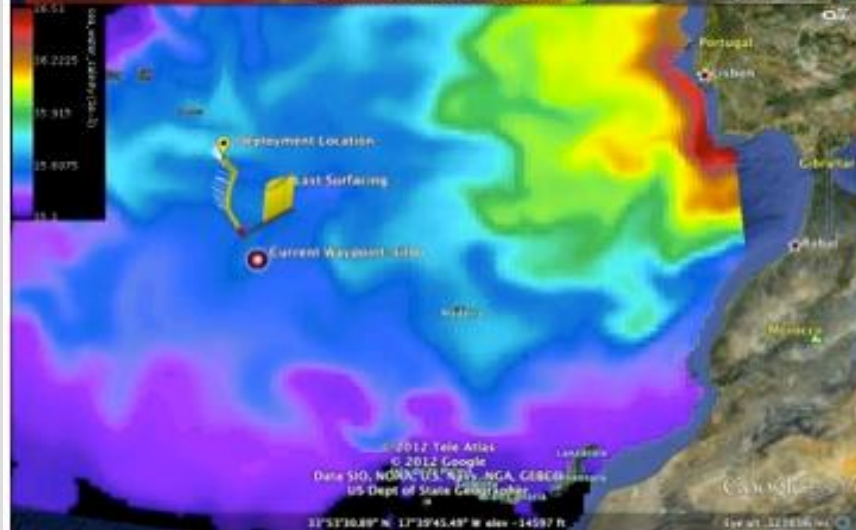
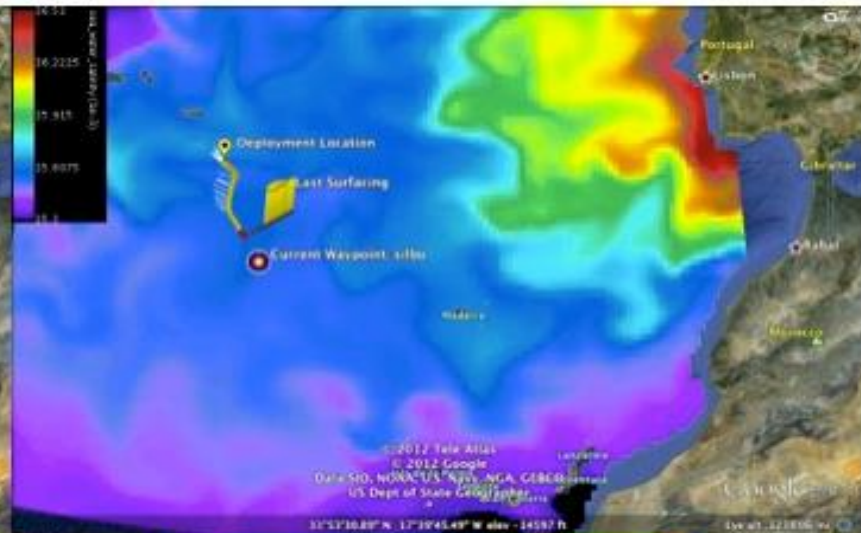




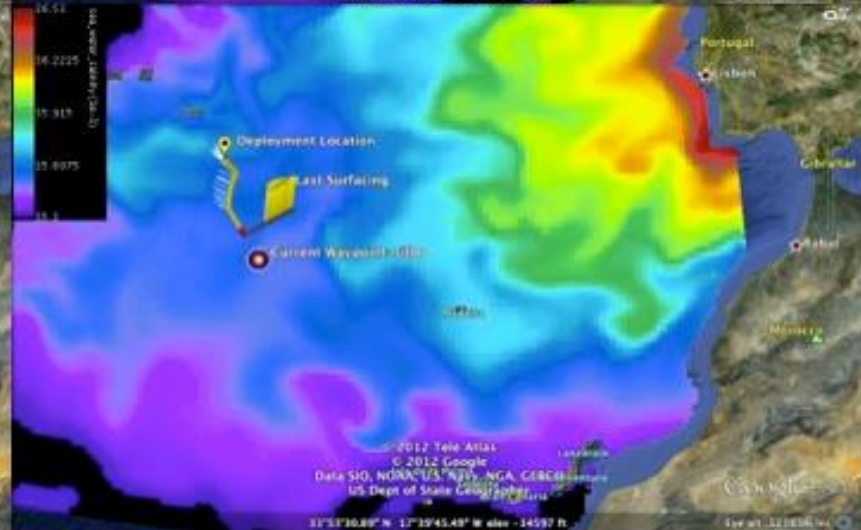
Salinity 100m



Salinity 600m

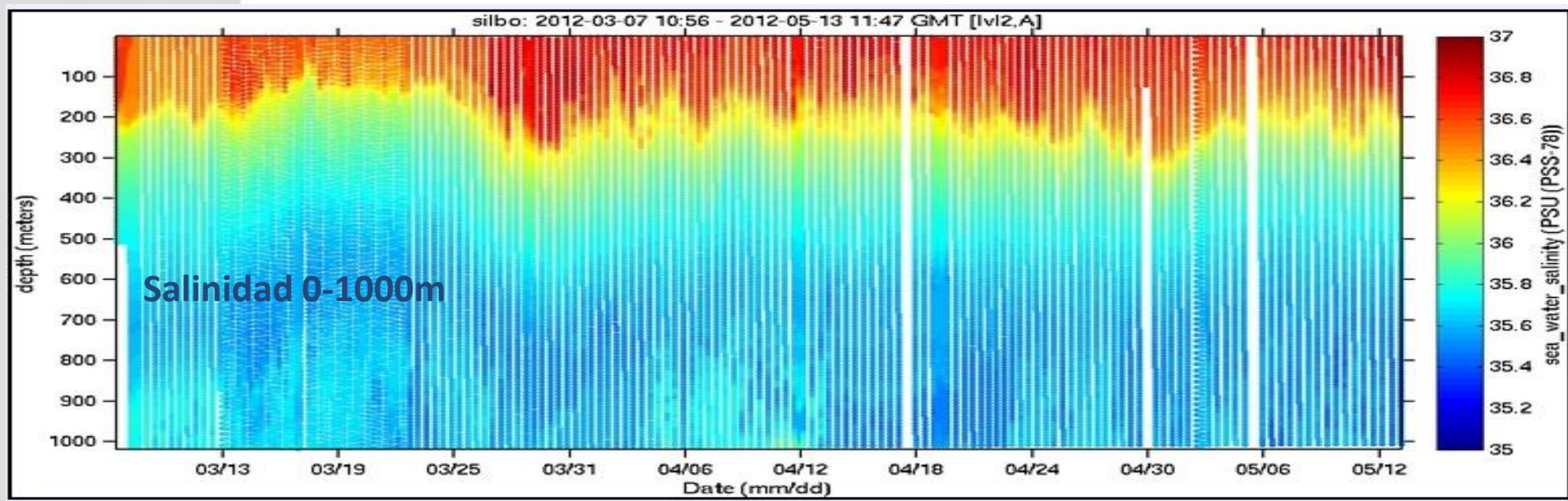
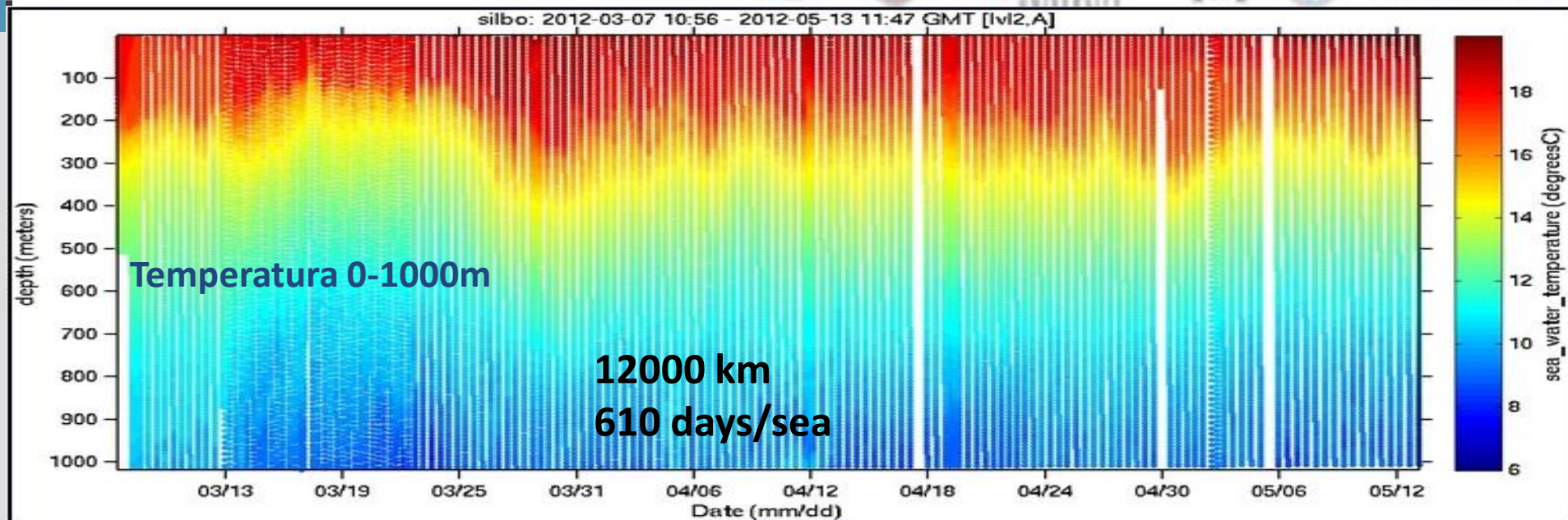


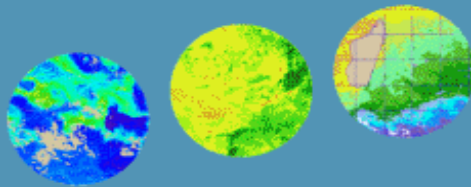
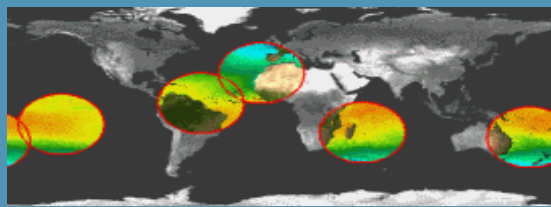
Salinity 900m



Salinity 1000m







**SEASnet**

*Le réseau de stations de réception  
de l'IRD et ses partenaires*

<http://www.youtube.com/watch?v=F3ShWMiS9nA>

<http://www.youtube.com/watch?v=Td8kyWiW0Tw>

<http://www.youtube.com/watch?v=DfEbCqbhufc&feature=endscreen&NR=1>



<http://www.i-cool.org/?cat=77>

**Fuerza, viento, mar y honor a todos**  
Team Silbo