

## France

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### Summary of Operational and Planned Oceanographic Observation Programs

#### ARGO/PORVOR

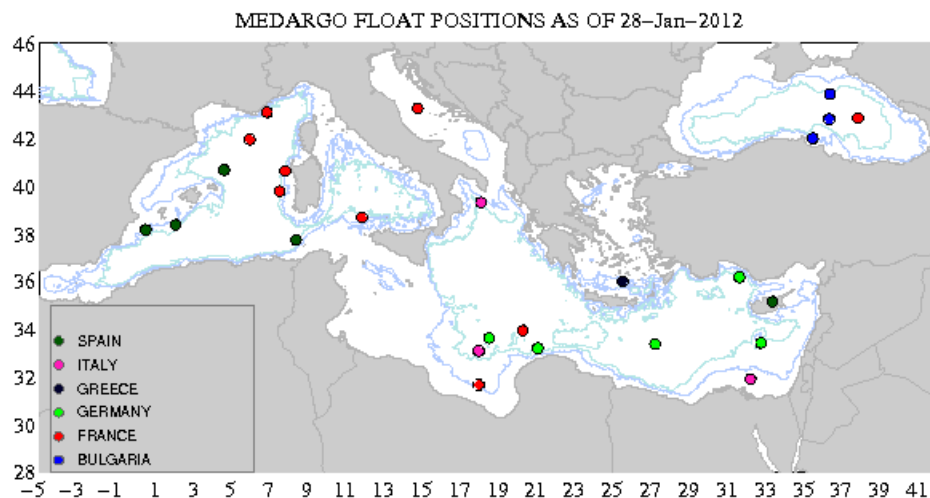
186 active 25 January 2012. 9 active Med Argo floats alive 28 January 2012

[http://nettuno.ogs.trieste.it/sire/medargo/all/table\\_out\\_all.php](http://nettuno.ogs.trieste.it/sire/medargo/all/table_out_all.php)

<http://nettuno.ogs.trieste.it/sire/medargo/trajectories.php>

<http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

24 deployments planned 2012 as of this date.



#### Sea Level

Latest data posted by PSMSL is 2010. 28 Mean Sea Level Stations (MSL).

<http://www.psmsl.org/data/obtaining/> December 2011 Kerguelen and Papeete data posted at Hawaii.

<http://ilikai.soest.hawaii.edu/uhs/c/woce.html>

Go to <http://www.ioc-sealevelmonitoring.org/index.php> to see near-real time info.

18 GPS positioned stations, 7 are GLOSS <http://www.sonel.org/spip.php?page=cgps>

ESEAS Participant <http://www.eseas.org/abouttheseas/?page=members>

**XCTD/XBT/TSG** Operates 6 Atlantic and 3 Pacific ships. Some BATHY messages are submitted for distribution on the GTS. Cooperates in Med GOOS MFSTEP XBT program and Southern Ocean high density program on line IX28.

### **Moorings**

See following site for status updates and planned cruise schedules etc for PIRATA- Jazz, Java, Soul, Valse, Gavotte.

[http://www.pmel.noaa.gov/pirata/pir\\_implement.html](http://www.pmel.noaa.gov/pirata/pir_implement.html)

<http://www.pmel.noaa.gov/tao/global/status/buoystat-pirata.html>

Ocean Met Stations: Brittany, Gascogne, two off Antilles, one off Nice and Gulf of Leon

Maintenance of TAO moorings along 165E and 180E

Sea ice buoys (IABP, IPAB) on behalf of EUM

CLIOKER, a re-occupation of KERFIX off Kerguelen (operating since 1998) with associated XBT and CTD measurements. Funding expected for 10 years.

OceanSITES see <http://www.oceansites.org/network/index.html>

EuroSITES Partner. CNRS, IFREMER and Oceanopolis Brest

<http://www.eurosites.info/sites.php>

### **Surface Drifters**

15 active 25 January 2012 <http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

### **Waves**

2 directional wave riders near Antilles: Martinique and Guadeloupe. See also WaMOS

<http://www.oceanwaves.de/>

Coastal Moorings, 7-8, mainly wave riders operated by Port Authorities.

### **ADCP**

<http://www.ifremer.fr/sismer> <http://www.coriolis.eu.org>

<http://www.ices.dk/Ocean/asp/roscop/roscop.asp>

[http://www.ifremer.fr/sismer/index\\_UK.htm](http://www.ifremer.fr/sismer/index_UK.htm)

A25, every other year. Completed June 2002, 2004, 2006, 2008 and 2010.

<http://www.ifremer.fr/lpo/ovide/ovide10/index.htm>

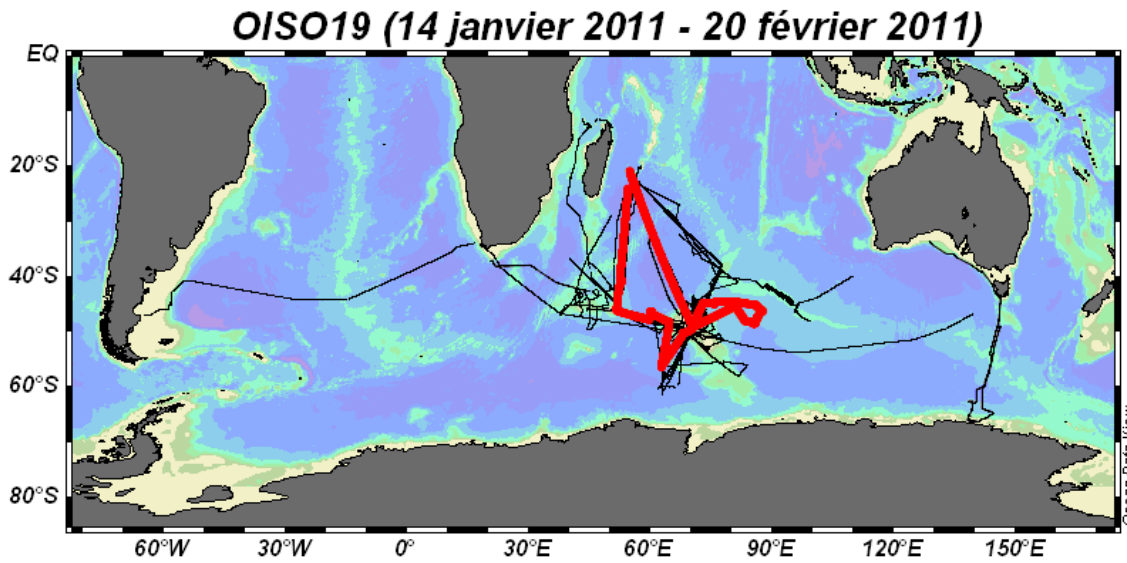
[http://www.ifremer.fr/sismer/index\\_UK.htm](http://www.ifremer.fr/sismer/index_UK.htm)

Ocean Indien Service d'Observations (OISO) *See Carbon below*

GOODHOPE project to monitor the line from Cape Town to German Antarctic base Neumayer. <http://www.ifremer.fr/lpo/speich/GOODHOPE/goodhope.htm>

## Carbon

OISO Indian Ocean, from 1998-2011 Ocean Indien Service d'Observations (OISO). Biannual monitoring of hydrographic and biochemical measurements between La Reunion, Crozet, Kerguelan and Amsterdam Islands. Includes CO<sub>2</sub>, Met and ADCP measurements. <http://caraus.ipsl.jussieu.fr/oiso-campagnes.html#detail-campagnes>  
<http://caraus.ipsl.jussieu.fr/oiso-campagnes.html>  
[http://cdiac.ornl.gov/oceans/VOS\\_Program/OISO.html](http://cdiac.ornl.gov/oceans/VOS_Program/OISO.html)



IRIZAR Project with Argentina, Buenos Aires-Antarctica, 2-4/yr, 2007-  
France-French Guiana ~6/yr, 2006-  
France-Brazil ~6/yr, 2007-  
Charleston-Reykjavik with USA, 12/yr, 2005-  
EGEE, Gulf of Guinea 3/yr  
Hobart-Dumont D'Urville with Australia. Began Oct 2002, same schedule as HD XBTs (5-6/yr).  
OVIDE with Spain, Greenland -Lisbon 2004, planned every 2 years.  
CARIOCO buoys, 2005-2009, Atlantic Southern  
Marel-Louise (mooring) continuous (CARIOCA sensor)  
Monthly monitoring at 43N-7.9E, Med/DYFAMED

## VOS

10 VOS, 2 also VOSclim ships, 22 January. Potential VOSclim ships is 46  
<http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>  
<http://www.ncdc.noaa.gov/oa/climate/vosclim/vosclim.html>

## BIO/Chem

North Sea International Bottom Trawl Survey participant 1978 to the present (2011)  
French Southern Atlantic Bottom Trawl Surveys conducted 1997-2011.  
[http://datras.ices.dk/Data\\_products/Submission\\_Status.aspx](http://datras.ices.dk/Data_products/Submission_Status.aspx)

## **Satellites**

JASON-1, 07/12/01, Ocean Surface Topography

JASON-2, launch 2008, sea surface topography

ENVISAT (ESA), 2002-2010, SST and Ice <http://envisat.esa.int>

SMOS, Ocean salinity, launched November 2009, ESA

<http://www.esa.int/esaLP/smos.html>

CRYOSAT-2, Polar Ice. Launch 11/2009, ESA

SARAL-ALTIKA mission with India, Autumn 2010 Launch.

AltiKa is an Ka-band altimeter system, dedicated to accurate measurement of ocean surface topography. <http://smc.cnes.fr/SARAL/index.htm>

METOP-A, launched 2006, B and C to be launched 2012 and 2016, SST

<http://www.esa.int/export/esaME/>

GOCE (ESA) satellite, launched 3/2009, will provide insight into ocean circulation and sea-level change etc. Centre ERS d'Archivage et de Traitement

<http://www.ifremer.fr/cersat/en/general/general.htm>