

# United Kingdom

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## Summary of operational and planned GOOS participation

### Observations

### Comments

Surface Drifter	12 active and on GTS February 2010
Wave	30 Met Office and Industry offshore sites. See also <a href="http://www.cefas.co.uk/wavenet/plan.htm">http://www.cefas.co.uk/wavenet/plan.htm</a> See WaMos <a href="http://www.oceanwaves.de/">http://www.oceanwaves.de/</a>
Mooring	Coastal and Off-shore Met/Ocean network composed of 33 stations (UK, Ireland and Private). See <a href="http://www.ndbc.noaa.gov/maps/United_Kingdom.shtml">www.ndbc.noaa.gov/maps/United_Kingdom.shtml</a> JCOMMOPS reported 60 operational moorings February 2010  Porcupine Abyssal Plain Observatory (PAP) at 49N 16.5W. Chemical, physical and biological measurements as component of ANIMATE since 2002. <a href="http://www.soc.soton.ac.uk/animate">www.soc.soton.ac.uk/animate</a>  Atlantic 26.5N array. A program to monitor meridional overturning circulation (RAPID-MOC). First deployment (22) at Eastern boundary, Mid Atlantic and Western boundary April 2004. Array to be maintained to 2014. <a href="http://www.soc.soton.ac.uk/rapidmoc/">http://www.soc.soton.ac.uk/rapidmoc/</a>
XCTD/XBT/TSG	Over the past few years several ships, mostly research but some merchants, supplied with about 1000 XBTs by UKHO. Data are not usually put on the GTS.
ARGO	106 active February 2010. 23 deployments planned in 2010 as of March 2009. <a href="http://www.noc.soton.ac.uk/JRD/HYDRO/argo/index.php">http://www.noc.soton.ac.uk/JRD/HYDRO/argo/index.php</a>  BODC participates in Southern Ocean Regional Data Center (SORDAC), responsible for 70W-90E sector South of 35S, and 90E-180E sector south of 60S. <a href="http://www.bodc.ac.uk/projects/international/argo/southern_ocean/">http://www.bodc.ac.uk/projects/international/argo/southern_ocean/</a>
Sea Level	10 MSL stations committed to GLOSS, reporting well. All 10 are also FAST mode, 9 of which are reporting well. January 2010 data posted at Hawaii FAST Center. 54 stations overall: National net-44, ACCLAIM-7, Diego Garcia, Gibraltar and Settlement Pt. <a href="http://www.pol.ac.uk/psmsl/">http://www.pol.ac.uk/psmsl/</a>

See Also: <http://www.pol.ac.uk/ntslf/> and  
<http://www.pol.ac.uk/ntslf/networks.html>  
[http://www.gloss-sealevel.org/publications/documents/uk\\_gex2007.pdf](http://www.gloss-sealevel.org/publications/documents/uk_gex2007.pdf)

11 GPS positioned stations, 5 of which are GLOSS FAST/MSL

Operates GLOSS MSL Center

[http://www.gloss-sealevel.org/network\\_status/status.html](http://www.gloss-sealevel.org/network_status/status.html)

<http://www.pol.ac.uk/psmsl/programmes/acclaim.info.html>

ESEAS Participant: <http://www.eses.org/>

Gibraltar sea level station: <http://www.pol.ac.uk/ntslf/gibraltar/>

## T/S Hydrography

FRS – routine sections between Faroes/ Shetland (2) and  
Scotland/Rockall (Ellett Line)

North Sea JONSIS section (with Norway)

Drake passage: Annual hydrographic sections since 1993.  
CTD, LADCP, Shipboard ADCP, salts, 30 stations each year.  
<http://www.soc.soton.ac.uk/JRD/HYDRO/drake/index.php>

Tiree station (Coastal at beginning of Rockall section)

OceanSITES-Drake Passage, PAP and Gulf Stream Extension (36N-70W)  
<http://www.oceansites.org/network/index.html>

Latest and next Repeat Hydrographic sections (standard WOCE  
sampling).

A5 (24N, part of RAPID program) 2004 and 2010 with Spain and US  
A10 (30S) 2009 and 2010 (USA)

A21/SR1b, Drake Passage, February and November 2009

[http://www.go-ship.org/RefSecs/Table\\_RefSecs1.4.pdf](http://www.go-ship.org/RefSecs/Table_RefSecs1.4.pdf)

## Bio/Chem

### Bottom Trawl Surveys

Scottish Rockall Survey, 328 hauls, with Scotland, 2001-2009

Beam Trawl Surveys-Irish Sea, 2018 hauls, 1993-2008

South West Coastal Survey, 2772 hauls, with Scotland 1985-2009

Beam Trawl Survey, 4906 hauls, 1990-2008

North Sea International Bottom Trawl Survey, 2822 hauls 1969-2009  
and with Scotland, 4204 hauls, 1967-2009

[http://datras.ices.dk/Data\\_products/Submission\\_Status.aspx](http://datras.ices.dk/Data_products/Submission_Status.aspx)

FRS – weekly ecosystem data at Stonehaven (near Aberdeen)

Continuous Plankton Recorder. [www.npm.ac.uk/sahfos/](http://www.npm.ac.uk/sahfos/)

FerryBox Project: <http://www.ferrybox.com/>

Liverpool/Birkenhead-Belfast Irish Sea. SST, conductivity, turbidity, and fluorescence

Southampton/Cowes Isle of Wight-English channel. SST, conductivity, turbidity and fluorescence.

Southampton/Bilbao. English Channel-Bay of Biscay. SST, conductivity, turbidity and fluorescence

## Carbon

Time series:

Lines A3, A5, A16, A21(SR1), I5 and I7 one-off to date.

AMT, the Atlantic Meridional section annually.

[http://www.clivar.org/carbon\\_hydro/hydro\\_table.php](http://www.clivar.org/carbon_hydro/hydro_table.php)

Underway measurements: [www.ioccp.org](http://www.ioccp.org)

Falklands-South Georgia-Signy-Rothera 2006-2009

Plymouth-Spain 2005 onward 2/week

Saint Lucia-Santa Maria 2003-2009

Western English Channel variable 2005-2009

Hollyhead-Dublin monthly 2006-2009

Global (Singapore-Panama Canal-Halifax-Singapore) 2007

Onward, 2/year

Plans:

Greenland to UK, 2008, (Arctic Gateway) (S. Bacon)

A5 (24N) section, fall 2009. Drake Passage, A21, 2009.

A10 (30S), 2009 (B. King). S4A, 60S, 2008, 9 and 10

## Satellite

Contribution via National participation in ESA and EUMETSAT programs. <http://www.wmo.int/pages/prog/sat/GOSgeo.html>

## VOS

109 VOS and 55 VOSCLim ships on the GTS February 2010. 80 VOSCLim planned. Acts as the VOSCLim Real-Time Monitoring Center.

## ASAP/WRAP

One ASAP (now E-ASAP), roughly 400 ASAP sounds deployed/yr

## Coastal

Center for Environment, fisheries and Aquaculture Science (CEFAS). Stations around England and Wales (SST, Salinity)

<http://www.cefas.co.uk/data/sea-temperature-and-salinity-trends.aspx>