

United Kingdom

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National Contact: Lesley Richards ljr@bodc.ac.uk

Summary of Operational and Planned Oceanographic Observation Programs

Moorings

Coastal and Off-shore Met/Ocean network composed of 35 stations (UK, Ireland and Private) January 2012. See www.ndbc.noaa.gov/maps/United_Kingdom.shtml

Porcupine Abyssal Plain Observatory (PAP) at 49N 16.5W. Chemical, physical and biological measurements. <http://www.eurosites.info/pap/data.php>

EuroSITES Partner <http://www.eurosites.info/about.php>
<http://www.noc.soton.ac.uk/rapidmoc/>

Monitoring the Atlantic Meridional Overturning Circulation at 26.5°N (RAPID-MOC). First deployment at Eastern boundary, Mid Atlantic and Western boundary April 2004. Array to be maintained to 2014. <http://www.soc.soton.ac.uk/rapidmoc/>

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

120 active 25 January 2012

<http://wo.jcommops.org/cgi-bin/WebObjects/Argo.woa/wa/default>

BODC participates in Southern Ocean Regional Data Center (SORDAC), responsible for 70W-90E sector South of 35S, and 90E-180E sector south of 60S.

http://www.bodc.ac.uk/projects/international/argo/southern_ocean/

See also http://www.jamstec.go.jp/J-ARGO/index_e.html

Sea Level

MSL stations committed to GLOSS - <http://www.psmsl.org/data/obtaining/>

10 sites are FAST mode, 8 of which are reporting well (latest data posted at Hawaii is Bermuda for December). <http://ilikai.soest.hawaii.edu/uhsdc/woce.html>

See also <http://www.ioc-sealevelmonitoring.org/list.php> for near real-time information

14 GPS positioned stations, 8 of which are GLOSS as of January 2012 (one is LTT - tide gauge for Long Term Trends)

<http://www.sonel.org/spip.php?page=cgps>

Operates GLOSS MSL Center

http://www.gloss-sealevel.org/network_status/status.html

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

UK Tide Gauge Network <http://www.pol.ac.uk/ntslf/networks.html>
National net-45, ACCLAIM-6, Diego Garcia, Gibraltar and Settlement Pt.
<http://www.pol.ac.uk/psmsl/> See Also: <http://www.pol.ac.uk/ntslf/>



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

Surface Drifter

8 active 27 January 2012 <http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

Wave

Met Office and Industry offshore sites. See <http://www.cefas.co.uk/wavenet/plan.htm>

Summary of the Latest Data:

<http://map.cefasdirect.co.uk/wavenetmapping/summarypage.asp?CD=/wavenet&CP=default.htm>

<http://map.cefasdirect.co.uk/wavenetmapping/StaticMapPage.asp>

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

T/S Hydrography

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

A5 (24N, part of RAPID) 2004 and 2010 with Spain

A10/9.5 (30S/24S) 2009 and 2011 with USA

A21/SR1b, Drake Passage, 2009 and 2010

SR4, 2010 (60 south), 2011 with Netherlands/Germany

http://www.go-ship.org/RefSecs/Table&Meas_May2010b.pdf

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

Bio/Chem

Bottom Trawl Surveys

Scottish Rockall Survey with Scotland, 2001-2011

Beam Trawl Surveys-Irish Sea 1993-2009

South West Coastal Survey with Scotland 1985-2011

Beam Trawl Survey 1990-2011

North Sea International Bottom Trawl Survey 1969-2011

http://datras.ices.dk/Data_products/Submission_Status.aspx

FRS – weekly ecosystem data at Stonehaven (near Aberdeen)

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

Ship Routes <http://www.ferrybox.com/routes/index.html.en>

Carbon

Lines A3-2005, A5-2010, A5N-2011, A21-2005. For full list of early sections see:

http://www.clivar.org/carbon_hydro/hydro_table.php

and AMT, the Atlantic Meridional section annually.

Satellite

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

VOS

68VOS/38 VOSclim ships operating 27 January (some ships operating in both modes). <http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

<http://www.ncdc.noaa.gov/oa/climate/vosclim/vosclim.html>

Acts as the VOSclim Real-Time Monitoring Center.

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>