

Initial drifter deployment positions from R/V Endeavor, R/V Albatross IV, R/V Oceanus, R/V Delaware, R/V Cape Hatteras, CCGS Cygnus, and R/V Parizeau in the Gulf of Maine and Georges Bank from 1995-1999

Website: <https://www.bco-dmo.org/dataset/2305>

Data Type: Cruise Results

Version: 1

Version Date: 2012-06-01

Project

» [U.S. GLOBEC Georges Bank](#) (GB)

Program

» [U.S. GLOBal ocean ECosystems dynamics](#) (U.S. GLOBEC)

Contributors	Affiliation	Role
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Abstract

Initial positions of drifters deployed from 1995 to 1999 in support of the U.S. GLOBEC Georges Bank program.

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Coverage

Spatial Extent: N:43.612 E:-62.383 S:40.23 W:-70.64293

Temporal Extent: 1995 - 1999

Dataset Description

Initial positions of drifters deployed from 1995 to 1999 in support of the U.S. GLOBEC Georges Bank program. For drifter tracking, see the '[drifter_tracks](#)' dataset.

Notes:

¹Drifters named with a leading 'g' were generally deployed in US territorial waters and drifters identified with a leading 'n' were deployed in Canadian Waters by Peter Smith from the Bedford Institute of Oceanography (BIO). Also, drifter types containing a gps system reported positions every 30 minutes.

²'inst' parameter is a combination of: Manufacturer code (se = Seimac, cw = Clearwater, met = MEtocean, to = Technocean) + Center depth of drogue (10 or 40 meters) + Shape of drogue (W = wide, versus a square drogue) + Presence of gps system (gps)

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Methods & Sampling

Satellite-tracked drifters with holey sock drogues centered at 10, 15 and 40-m depths were deployed over Georges Bank during 1995-99 in support of the U.S. GLOBEC/Georges Bank Program. Some drifters were deployed in regions of strong vertical shear over the Bank and these drifters had a drogue that was twice as wide and half as long as the standard drogue and are designated as having 'wide' drogues (see note 2 above). Drifter types containing a gps system reported positions every 30 minutes.

Data Processing Description

BCO-DMO corrected unknown/missing cruise ID's for the following drifters:

g31- corrected to EN274. ([Cruise report for EN274](#) documents the deployment of g31.)

g47- corrected to EN278. (Original data has EN278 listed.)

g84 and g85 - corrected to EN291. ([EN291 cruise report](#) documents the deployment of these drifters.)

g98 and g99 - corrected to EN294. ([EN294 cruise report](#) documents the deployment of these drifters.)

g140 and g142 - corrected to EN300. ([EN300 cruise report](#) documents the deployment of these drifters.)

g157 and g158 - corrected to OC315. (Original data has OC315 listed and Oceanus schedule confirms dates, locations, and investigators.)

g159 - corrected to OC316. (Original data has OC316 listed and [cruise report](#) confirms this.)

n6 to n10 - corrected to PAR98-078. (Cruise report for PAR-98-078 documents the deployment of these drifters.)

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Data Files

File
drifter_positions.csv (Comma Separated Values (.csv), 15.50 KB) MD5:e7084584a550842c242bc9dfd63b930b
Primary data file for dataset ID 2305

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Parameters

Parameter	Description	Units
drifterid	GLOBEC drifter identification number 1.	dimensionless
argosid	ARGOS drifter identification number.	dimensionless
cruiseid	Identifier of the cruise on which the drifter was deployed.	dimensionless
month_gmt	Month of year, GMT, of initial deployment.	month (1-12), MM
day_gmt	Day of month of initial deployment, GMT.	day (1-31), dd
year	Year the drifter was initially deployed (GMT). Format: yyyy	unitless
time_gmt	Time of deployment, GMT.	HHmm
lat	Latitude, negative = south.	decimal degrees
lon	Longitude, negative = west.	decimal degrees
status	Drifter deployment status (e.g. new).	dimensionless
inst	Drifter deployment type2 (i.e. drogued at 10 or 40 meters)	dimensionless
comments	Comments pertaining to a specific drifter deployment.	dimensionless

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Instruments

Dataset-specific Instrument Name	Drifter Buoy
Generic Instrument Name	Drifter Buoy
Dataset-specific Description	Satellite-tracked drifters with holey sock drogues centered at 10, 15 and 40-m depths were deployed over Georges Bank during 1995-99. The GLOBEC Georges Bank drifters were made by Clearwater (CW), Seimac (SE), Technocean (TE), and MEtocean (ME).
Generic Instrument Description	Drifting buoys are free drifting platforms with a float or buoy that keep the drifter at the surface and underwater sails or socks that catch the current. These instruments sit at the surface of the ocean and are transported via near-surface ocean currents. They are not fixed to the ocean bottom, therefore they "drift" with the currents. For this reason, these instruments are referred to as drifters, or drifting buoys. The surface float contains sensors that measure different parameters, such as sea surface temperature, barometric pressure, salinity, wave height, etc. Data collected from these sensors are transmitted to satellites passing overhead, which are then relayed to land-based data centers. definition sources: https://mmisw.org/ont/loos/platform/drifting_buoy and https://www.aoml.noaa.gov/phod/gdp/faq.php#drifter1

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Deployments

EN259

Website	https://www.bco-dmo.org/deployment/57399
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en259.html
Start Date	1995-01-10
End Date	1995-01-22
Description	process zoology

EN261

Website	https://www.bco-dmo.org/deployment/57401
Platform	R/V Endeavor
Start Date	1995-02-10
End Date	1995-02-20
Description	broad-scale

EN263

Website	https://www.bco-dmo.org/deployment/57403
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en263/EN263.pdf
Start Date	1995-03-13
End Date	1995-03-24
Description	broad-scale

EN265

Website	https://www.bco-dmo.org/deployment/57405
Platform	R/V Endeavor
Start Date	1995-04-11
End Date	1995-04-22
Description	broad-scale

AL9506

Website	https://www.bco-dmo.org/deployment/57372
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9506/al9506new.html
Start Date	1995-06-05
End Date	1995-06-15
Description	broad-scale

AL9508

Website	https://www.bco-dmo.org/deployment/57373
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9508/a9508rp2.HTM
Start Date	1995-07-10
End Date	1995-07-20
Description	broad-scale

AL9513

Website	https://www.bco-dmo.org/deployment/57374
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9513/AL9513.pdf
Start Date	1995-10-30
End Date	1995-11-08
Description	long term mooring deployment

EN276

Website	https://www.bco-dmo.org/deployment/57413
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en276/EN276.pdf
Start Date	1996-01-10
End Date	1996-01-22
Description	broad-scale

EN278

Website	https://www.bco-dmo.org/deployment/57414
Platform	R/V Endeavor
Start Date	1996-02-13
End Date	1996-02-25
Description	broad-scale

OC275

Website	https://www.bco-dmo.org/deployment/57440
Platform	R/V Oceanus
Start Date	1996-03-11
End Date	1996-03-22
Description	broad-scale

EN282

Website	https://www.bco-dmo.org/deployment/57415
Platform	R/V Endeavor
Start Date	1996-04-08
End Date	1996-04-20
Description	broad-scale

AL9605

Website	https://www.bco-dmo.org/deployment/57375
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9605/al9605.html
Start Date	1996-05-06
End Date	1996-05-17
Description	broad-scale

AL9607

Website	https://www.bco-dmo.org/deployment/57376
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9607/AL9607.pdf
Start Date	1996-06-03
End Date	1996-06-13
Description	broad-scale

AL9701

Website	https://www.bco-dmo.org/deployment/57378
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9701/cral9701.htm
Start Date	1997-01-13
End Date	1997-01-20
Description	broad-scale

EN292

Website	https://www.bco-dmo.org/deployment/57418
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en292/en292cruisereport.html
Start Date	1997-01-13
End Date	1997-01-21
Description	process

OC298

Website	https://www.bco-dmo.org/deployment/57444
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc298/cruisereport.html
Start Date	1997-02-11
End Date	1997-02-23
Description	broad-scale

DE9703

Website	https://www.bco-dmo.org/deployment/57393
Platform	R/V Delaware II
Start Date	1997-02-17
End Date	1997-02-26
Description	process

EN296

Website	https://www.bco-dmo.org/deployment/57419
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en296/EN296.pdf
Start Date	1997-03-04
End Date	1997-03-16
Description	process zooplankton vital rates

OC300

Website	https://www.bco-dmo.org/deployment/57446
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc300/oc300rpt.mr7.html
Start Date	1997-03-16
End Date	1997-03-28
Description	broad-scale

OC302

Website	https://www.bco-dmo.org/deployment/57448
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc302/oc302.html
Start Date	1997-04-22
End Date	1997-05-02
Description	broad-scale

CH0697

Website	https://www.bco-dmo.org/deployment/57389
Platform	R/V Cape Hatteras
Start Date	1997-04-19
End Date	1997-05-02
Description	process

AL9705

Website	https://www.bco-dmo.org/deployment/57379
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9705/al9705.html
Start Date	1997-05-19
End Date	1997-05-27
Description	broad-scale

AL9707

Website	https://www.bco-dmo.org/deployment/57380
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9707/al9707.html
Start Date	1997-06-18
End Date	1997-06-28
Description	broad-scale

AL9801

Website	https://www.bco-dmo.org/deployment/57382
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9801/al9801.html
Start Date	1998-01-07
End Date	1998-01-19
Description	broad-scale

OC317

Website	https://www.bco-dmo.org/deployment/57451
Platform	R/V Oceanus
Start Date	1998-02-06
End Date	1998-02-19
Description	broad-scale

OC319

Website	https://www.bco-dmo.org/deployment/57452
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc319/oc319new/oc319rpt.8april98.htm
Start Date	1998-03-15
End Date	1998-03-27
Description	broad-scale

OC322

Website	https://www.bco-dmo.org/deployment/57454
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc322/oc322.html
Start Date	1998-04-15
End Date	1998-04-27
Description	broad-scale

AL9806

Website	https://www.bco-dmo.org/deployment/57384
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9806/al9806.html
Start Date	1998-05-13
End Date	1998-05-22
Description	broad-scale

AL9808

Website	https://www.bco-dmo.org/deployment/57385
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9808/al9808.html
Start Date	1998-06-16
End Date	1998-06-26
Description	broad-scale

AL9901

Website	https://www.bco-dmo.org/deployment/57386
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9901/al9901.html
Start Date	1999-01-12
End Date	1999-01-24
Description	broad-scale

OC336

Website	https://www.bco-dmo.org/deployment/57459
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc336/oc336cruise-report.html
Start Date	1999-02-11
End Date	1999-02-23
Description	broad-scale

EN320

Website	https://www.bco-dmo.org/deployment/57427
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en320new/en320mda.htm
Start Date	1999-03-10
End Date	1999-03-23
Description	broad-scale

OC341

Website	https://www.bco-dmo.org/deployment/57464
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc341/reptoc341.html
Start Date	1999-04-16
End Date	1999-04-27
Description	broad-scale

AL9904

Website	https://www.bco-dmo.org/deployment/57387
Platform	R/V Albatross IV
Start Date	1999-05-19
End Date	1999-05-27
Description	broad-scale

AL9906

Website	https://www.bco-dmo.org/deployment/57388
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9906/al9906rpt.html
Start Date	1999-06-14
End Date	1999-06-24
Description	broad-scale

OC345

Website	https://www.bco-dmo.org/deployment/57468
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc345/crurptoc345.html
Start Date	1999-08-01
End Date	1999-08-06
Description	long term mooring

CY98-079

Website	https://www.bco-dmo.org/deployment/57392
Platform	CCGS Cygnus
Report	http://globec.whoi.edu/globec-dir/reports/cygnus9879/cygnus9879.htm
Start Date	1999-03-23
End Date	1999-03-31
Description	long term mooring deployment

PAR99-028

Website	https://www.bco-dmo.org/deployment/57478
Platform	R/V Parizeau
Report	http://globec.whoi.edu/globec-dir/reports/par9928/par9928.html
Start Date	1999-09-23
End Date	1999-09-30
Description	process

EN274

Website	https://www.bco-dmo.org/deployment/57412
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en274/EN274.pdf
Start Date	1995-09-29
End Date	1995-10-05
Description	long term mooring recovery

OC315

Website	https://www.bco-dmo.org/deployment/57654
Platform	R/V Oceanus
Report	http://www.smast.umassd.edu/OCEANOL/reports/CONVEX/OC315/oc315_report.html
Start Date	1998-01-09
End Date	1998-01-12
Description	Not a GLOBEC Georges Bank cruise, but of interest to the GLOBEC community.

OC316

Website	https://www.bco-dmo.org/deployment/57655
Platform	R/V Oceanus
Report	http://www.smast.umassd.edu/OCEANOL/reports/CONVEX/OC316/oc316_report.html
Start Date	1998-01-29
End Date	1998-02-02
Description	Not a GLOBEC Georges Bank cruise, but of interest to the GLOBEC community.

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Project Information

U.S. GLOBEC Georges Bank (GB)

Website: http://globec.who.edu/globec_program.html

Coverage: Georges Bank, Gulf of Maine, Northwest Atlantic Ocean

The U.S. GLOBEC [Georges Bank](#) Program is a large multi- disciplinary multi-year oceanographic effort. The proximate goal is to understand the population dynamics of key species on the Bank - Cod, [Haddock](#), and two species of zooplankton ([Calanus finmarchicus](#) and [Pseudocalanus](#)) - in terms of their coupling to the physical environment and in terms of their [predators and prey](#). The ultimate goal is to be able to predict changes in the distribution and abundance of these species as a result of changes in their physical and biotic environment as well as to anticipate how their populations might respond to climate change.

The effort is substantial, requiring broad-scale surveys of the entire Bank, and process studies which focus both on the links between the target species and their physical environment, and the determination of fundamental aspects of these species' life history (birth rates, growth rates, death rates, etc).

Equally important are the modelling efforts that are ongoing which seek to provide realistic predictions of the flow field and which utilize the life history information to produce an integrated view of the dynamics of the populations.

The U.S. GLOBEC Georges Bank [Executive Committee \(EXCO\)](#) provides program leadership and effective communication with the funding agencies.

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Program Information

U.S. GLOBAL ocean ECosystems dynamics (U.S. GLOBEC)

Website: <http://www.usglobec.org/>

Coverage: Global

U.S. GLOBEC (GLOBAL ocean ECosystems dynamics) is a research program organized by oceanographers and fisheries scientists to address the question of how global climate change may affect the abundance and production of animals in the sea.

The U.S. GLOBEC Program currently had major research efforts underway in the Georges Bank / Northwest Atlantic Region, and the Northeast Pacific (with components in the California Current and in the Coastal Gulf of Alaska). U.S. GLOBEC was a major contributor to International GLOBEC efforts in the Southern Ocean and Western Antarctic Peninsula (WAP).

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Funding

Funding Source	Award
National Science Foundation (NSF)	unknown GB NSF
National Oceanic and Atmospheric Administration (NOAA)	unknown GB NOAA

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