

# Drifter track data from drifters deployed on multiple R/V Endeavor, Albatross IV, Oceanus, Delaware, Cape Hatteras, Parizeau, and CCGS Cygnus cruises in the Gulf of Maine and Georges Bank from 1995-1999 (GLOBEC)

**Website:** <https://www.bco-dmo.org/dataset/3660>

**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

Drifter track data from drifters deployed on multiple R/V Endeavor, Albatross IV, Oceanus, Delaware, Cape Hatteras, Parizeau, and CCGS Cygnus cruises in the Gulf of Maine and Georges Bank from 1995-1999. 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.

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## Coverage

**Spatial Extent:** N:53.623 E:-13.247 S:21.036 W:-77.139

**Temporal Extent:** 1995-01-01 - 1999-07-08

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## Dataset Description

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.

### References:

Christopher E. Naimie, Richard Limeburner, Charles G. Hannah and Robert C. Beardsley, 2001. On the geographic and seasonal patterns of the near-surface circulation on Georges Bank - from real and simulated drifters. Deep-Sea Research II: Topical Studies in Oceanography, vol 48, pp 501-518.

## Methods & Sampling

The status of drogue presence is indicated by timing the submergence of the surface float. When the drogue is attached, its drag will cause the surface sphere to submerge occasionally as a wave passes. If the drogue has been lost, the surface sphere remains at the surface and is not buried by waves. When the surface float submerges, contacts on top of the sphere are shorted out by the seawater and the PTT controller starts counting the length of time (seconds) the contacts are shorted. Every 30 minutes the accumulated submergence time is scaled by 0.1 (for example, 1000 seconds is scaled to 100) and loaded into the first byte of the data string and a new submergence time is started. Typical submergence values are 10 to 100. Consistent submergence values of 0 indicate the drogue has been lost. The maximum submergence value is 180 and indicates the surface float is sinking, or heavily fouled.

Those drifters with identifications starting with a "g" were generally deployed in US territorial waters and those with an "n" deployed in Canadian waters by the Bedford Institute of Oceanography.

## Data Processing Description

All drifters originally submitted by this investigator, regardless of year deployed, had a year day value beginning with January 1, 1995 (year day of 1.0000). Thus, a deployment in 1996 had a year day >365.0000 and a deployment in 1999 had a deployment year day value >1461.0000 (1996 was a leap year). BCO-DMO converted those original year day values to standard yrday\_gmt values (0 to 365, or 0 to 366 for leap years).

Based on dates of deployment and recovery, a drifter file may span two calendar years. The 'year\_start' parameter indicates the year the drifter was deployed.

BCO-DMO made the following modifications: Calculated actual 'yrday\_gmt' values from the original 'yrday\_special' column (yrday\_special = number of days since January 1, 1995); Added argosid and cruiseid from the '[drifters\\_start\\_positions](#)' dataset; Re-formatted all values from scientific notation to integers; Changed incorrect year values for drifter g96; Corrected the year value in cases where yrday\_special and year did not match (e.g. if yrday\_special was 367, but year was 1995, changed year to 1996); Changed values of '999.00' to 'nd' to indicate 'no data'; Removed data for drifter g162 because it was undergoing gps testing locally.

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
<b>drifter_tracks.csv</b> (Comma Separated Values (.csv), 23.32 MB) MD5:b5ff0db3cc3ee89498523ecf918bef67
Primary data file for dataset ID 3660

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## Parameters

Parameter	Description	Units
year_start	Year that the drifter was initially deployed (e.g. 1995).	dimensionless
drifterid	Drifter identification number. 'g' = drifter initially deployed in US water; 'n' = drifter deployed in Canadian waters by the Bedford Institute of Oceanography.	dimensionless
argosid	ARGOS drifter identification number.	dimensionless
cruiseid	Identification number of the cruise on which the drifter was initially deployed (e.g. OC302 = R/V Oceanus cruise number 302). 'nd' = cruiseid unknown.	dimensionless
lat	Latitude in decimal degrees; positive = North.	decimal degrees
lon	Longitude in decimal degrees; negative = West.	decimal degrees
temp	Water temperature.	degrees Celsius
submergence	Tension value between surface float and drogue.	unknown
yday_gmt	Day of the year and decimal time (01 to 366); calculated from the original column 'yday_special' (year day since 01/01/95).	dimensionless
year	Year, in YYYY format (e.g. 1996).	dimensionless
day_gmt	Day of the month (0 to 30), in DD format.	dimensionless
month_gmt	Month of the year (01 to 12), in MM format.	dimensionless
time_gmt	Time of day (24 hour clock), including decimal minutes.	dimensionless
ISO_DateTime_UTC	Date and time (UTC) formatted to ISO8601 standard. T indicates start of time string; Z indicates UTC.	YYYY-mm-ddTHH:MM:SS.ssZ

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## Instruments

<b>Dataset-specific Instrument Name</b>	Drifter Buoy
<b>Generic Instrument Name</b>	Drifter Buoy
<b>Generic Instrument Description</b>	<p>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:</p> <p><a href="https://mmisw.org/ont/ioos/platform/drifting_buoy">https://mmisw.org/ont/ioos/platform/drifting_buoy</a> and <a href="https://www.aoml.noaa.gov/phod/gdp/faq.php#drifter1">https://www.aoml.noaa.gov/phod/gdp/faq.php#drifter1</a></p>

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## Deployments

EN259

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

#### EN261

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57401">https://www.bco-dmo.org/deployment/57401</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1995-02-10
<b>End Date</b>	1995-02-20
<b>Description</b>	broad-scale

#### EN263

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

#### EN265

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57405">https://www.bco-dmo.org/deployment/57405</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1995-04-11
<b>End Date</b>	1995-04-22
<b>Description</b>	broad-scale

#### AL9506

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

#### AL9508

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

#### EN274

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

#### AL9513

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

#### EN276

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57413">https://www.bco-dmo.org/deployment/57413</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en276/EN276.pdf">http://globec.who.edu/globec-dir/reports/en276/EN276.pdf</a>
<b>Start Date</b>	1996-01-10
<b>End Date</b>	1996-01-22
<b>Description</b>	broad-scale

#### EN278

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57414">https://www.bco-dmo.org/deployment/57414</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1996-02-13
<b>End Date</b>	1996-02-25
<b>Description</b>	broad-scale

#### OC275

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57440">https://www.bco-dmo.org/deployment/57440</a>
<b>Platform</b>	R/V Oceanus
<b>Start Date</b>	1996-03-11
<b>End Date</b>	1996-03-22
<b>Description</b>	broad-scale

#### EN282

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57415">https://www.bco-dmo.org/deployment/57415</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1996-04-08
<b>End Date</b>	1996-04-20
<b>Description</b>	broad-scale

#### AL9605

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

#### AL9607

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

#### AL9701

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57378">https://www.bco-dmo.org/deployment/57378</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9701/cra9701.htm">http://globec.whoi.edu/globec-dir/reports/al9701/cra9701.htm</a>
<b>Start Date</b>	1997-01-13
<b>End Date</b>	1997-01-20
<b>Description</b>	broad-scale

#### EN292

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57418">https://www.bco-dmo.org/deployment/57418</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en292/en292cruisereport.html">http://globec.who.edu/globec-dir/reports/en292/en292cruisereport.html</a>
<b>Start Date</b>	1997-01-13
<b>End Date</b>	1997-01-21
<b>Description</b>	process

#### OC298

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57444">https://www.bco-dmo.org/deployment/57444</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/oc298/cruisereport.html">http://globec.who.edu/globec-dir/reports/oc298/cruisereport.html</a>
<b>Start Date</b>	1997-02-11
<b>End Date</b>	1997-02-23
<b>Description</b>	broad-scale

#### EN296

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

#### DE9703

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57393">https://www.bco-dmo.org/deployment/57393</a>
<b>Platform</b>	R/V Delaware II
<b>Start Date</b>	1997-02-17
<b>End Date</b>	1997-02-26
<b>Description</b>	process

#### OC300

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

#### OC302

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

#### CH0697

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57389">https://www.bco-dmo.org/deployment/57389</a>
<b>Platform</b>	R/V Cape Hatteras
<b>Start Date</b>	1997-04-19
<b>End Date</b>	1997-05-02
<b>Description</b>	process

#### AL9705

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

#### AL9707

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

#### AL9801

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

#### OC315



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

#### OC316

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

#### OC317

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57451">https://www.bco-dmo.org/deployment/57451</a>
<b>Platform</b>	R/V Oceanus
<b>Start Date</b>	1998-02-06
<b>End Date</b>	1998-02-19
<b>Description</b>	broad-scale

#### OC319

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

#### OC322

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

#### AL9806

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57384">https://www.bco-dmo.org/deployment/57384</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9806/al9806.html">http://globec.who.edu/globec-dir/reports/al9806/al9806.html</a>
<b>Start Date</b>	1998-05-13
<b>End Date</b>	1998-05-22
<b>Description</b>	broad-scale

#### AL9808

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57385">https://www.bco-dmo.org/deployment/57385</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9808/al9808.html">http://globec.who.edu/globec-dir/reports/al9808/al9808.html</a>
<b>Start Date</b>	1998-06-16
<b>End Date</b>	1998-06-26
<b>Description</b>	broad-scale

#### AL9901

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57386">https://www.bco-dmo.org/deployment/57386</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9901/al9901.html">http://globec.who.edu/globec-dir/reports/al9901/al9901.html</a>
<b>Start Date</b>	1999-01-12
<b>End Date</b>	1999-01-24
<b>Description</b>	broad-scale

#### OC336

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

#### EN320

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57427">https://www.bco-dmo.org/deployment/57427</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en320new/en320mda.htm">http://globec.who.edu/globec-dir/reports/en320new/en320mda.htm</a>
<b>Start Date</b>	1999-03-10
<b>End Date</b>	1999-03-23
<b>Description</b>	broad-scale

**OC341**

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

**AL9904**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57387">https://www.bco-dmo.org/deployment/57387</a>
<b>Platform</b>	R/V Albatross IV
<b>Start Date</b>	1999-05-19
<b>End Date</b>	1999-05-27
<b>Description</b>	broad-scale

**AL9906**

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

**PAR98-078**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57477">https://www.bco-dmo.org/deployment/57477</a>
<b>Platform</b>	R/V Parizeau
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/par9878/par9878.htm">http://globec.whoi.edu/globec-dir/reports/par9878/par9878.htm</a>
<b>Start Date</b>	1999-02-10
<b>End Date</b>	1999-02-16
<b>Description</b>	process

**CY98-079**

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

## Project Information

### U.S. GLOBEC Georges Bank (GB)

**Website:** [http://globec.who.edu/globec\\_program.html](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.

## 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).

## Funding

Funding Source	Award
National Science Foundation (NSF)	<a href="#">unknown GB NSF</a>
National Oceanic and Atmospheric Administration (NOAA)	<a href="#">unknown GB NOAA</a>

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