

Ship data collected along the track during AlbatrossIV broadscale cruises to the Gulf of Maine and Georges Bank in the U.S. GLOBEC Georges Bank project from 1995-1999 (GB project)

Website: <https://www.bco-dmo.org/dataset/2390>

Data Type: Cruise Results

Version: 1

Version Date: 2005-09-15

Project

» [U.S. GLOBEC Georges Bank](#) (GB)

Program

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

Contributors	Affiliation	Role
Manning, James P.	Northeast Fisheries Science Center - Woods Hole (NOAA NEFSC)	Principal Investigator
Allison, Dicky	Woods Hole Oceanographic Institution (WHOI BCO-DMO)	BCO-DMO Data Manager

Abstract

Ship data collected along the track during AlbatrossIV broadscale cruises to the Gulf of Maine and Georges Bank in the U.S. GLOBEC Georges Bank project from 1995-1999 (GB project)

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Coverage

Spatial Extent: N:42.39386 E:-65.60815 S:40.26195 W:-70.6791

Temporal Extent: 1995-05-09 - 1995-06-24

Dataset Description

R/V Albatross Globec broadscale cruises 1995-1999, shipboard meteorology and sea surface measurements along the ship's track

Comments submitted by Jim Manning

1. These data are accessed under the GLOBEC homepage-->Georges Bank data-->broadscale-->alongtrack **or** homepage-->Georges Bank data-->broadscale-->{year}-->alongtrack **or** homepage-->Georges Bank data-->process-->alongtrack **or**

homepage-->Georges Bank data-->process-->{year}-->alongtrack.

2. These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged "raw" data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument. Contact Jim Manning for access to this data.
3. The first column is the time stamp which, for Albatross convention, is "yrday1_local" which means, for example, that a time of "1.5" represents local noontime on Jan 1st. Note that the "Albatross yearday convention changed to GMT after year 2000, so the user must pay attention to the time stamp in future cruises.
4. I have been processing Albatross and Delaware alongtrack data on an "as requested" basis so just let me know when you want a particular cruise that is not already posted. More recent (post GLOBEC) data are being stored in an ORACLE database and served via OpenDAP as documented [elsewhere](#).
5. We all understand this data (shipboard temp, salt, wind, etc.) should be treated as uncalibrated records and **should not be used for other than exploratory purposes**.

Any questions, contact:

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Updated 09/15/05; gfn w/ input from J.Manning

Methods & Sampling

These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.

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Data Files

File
al_shipdata.csv (Comma Separated Values (.csv), 8.94 MB) MD5:9e70d7c7afcf79b24a4235e1dbb04c2a Primary data file for dataset ID 2390

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Parameters

Parameter	Description	Units
yrday1_local	yearday where Jan 1 at noon = yearday 1.5, local time	decimal yearday
lat	latitude, negative = South	decimal degrees
lon	longitude, negative = West	decimal degrees
temp_air	air temperature	degrees C
temp_ss5	sea surface temperature from a hull mounted sensor at 5m	degrees C
sal	sea surface salinity	PPT
flvolt	sea surface fluorescence	volts(uncalibrated)
wind_vel_u	eastward component of wind velocity, oceanographic convention	knots
wind_vel_v	northward component of wind velocity, oceanographic convention	knots
cruiseid	cruise identification	
year	year of sampling	
ship	abbreviation for ship name, e.g. AL = Albatross IV	

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Instruments

Dataset-specific Instrument Name	Thermosalinograph
Generic Instrument Name	Thermosalinograph
Dataset-specific Description	Thermosalinograph used to obtain a continuous record of sea surface temperature and salinity.
Generic Instrument Description	A thermosalinograph (TSG) is used to obtain a continuous record of sea surface temperature and salinity. On many research vessels the TSG is integrated into the ship's underway seawater sampling system and reported with the underway or alongtrack data.

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Deployments

AL9505

Website	https://www.bco-dmo.org/deployment/57371
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9505/al9505rot.pdf
Start Date	1995-05-09
End Date	1995-05-18
Description	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

AL9701

Website	https://www.bco-dmo.org/deployment/57378
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9701/cra19701.htm
Start Date	1997-01-13
End Date	1997-01-20
Description	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

AL9805

Website	https://www.bco-dmo.org/deployment/57383
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9805/AL9805.html
Start Date	1998-05-04
End Date	1998-05-08
Description	<p>process</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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	<p>broad-scale</p> <p>Methods & Sampling These are single ascii files per cruise with several variables merged to one minute (interpolated) time steps. The user should be aware of the availability of the unmerged 'raw' data if they want the actual data which, for some sensors/variables, was recorded as frequent as every 5 seconds and by more than one instrument.</p>

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Project Information

U.S. GLOBEC Georges Bank (GB)

Website: http://globec.whoi.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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