Ship sensor data collected along the track during R/V Seward Johnson cruise SJ9505 in the Gulf of Maine and Georges Bank in 1995 as part of the U.S. GLOBEC program (GB project)

Website: https://www.bco-dmo.org/dataset/2415
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
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Abstract
Ship sensor data collected along the track during R/V Seward Johnson cruise SJ9505 in the Gulf of Maine and Georges Bank in 1995 as part of the U.S. GLOBEC program (GB project)

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Coverage

Spatial Extent: **N**:42.0019 **E**:-66.3169 **S**:40.53809 **W**:-70.1018
Temporal Extent: 1995-04-07 - 1995-04-19

Dataset Description

Seward Johnson Cruises: 9505
Shipboard meteorology and sea surface measurements along the ship's track

Note: As noted below, these data are uncalibrated and should be used accordingly.

Data submitted by:
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These data are accessed under the the GLOBEC homepage-->data-->process-->{year}-->alongtrack

1. These are stored as single ascii files per cruise with several variables merged to one minute (interpolated) time steps.
2. The first column is the time stamp which, for Albatross convention, is "yrday0_gmt" which means, for example, that a time of "0.5" represents local noontime on Jan 1st.
3. We all understand this data (shipboard temp, salt, wind, etc.) should be treated as uncalibrated records and **should not be used other than exploratory purposes**.

updated 09/15/05; gfh w/ input by J.Manning

Acquisition Description

GLOBEC Georges Bank Cruises Shipboard Sensor Data. Cleaned and merged to 5 minute intervals.

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Parameters

Parameter	Description	Units
year	year	
ship	ship name as a code, sj = Seward Johnson	
cruiseid	cruise identification	
yrday0_gmt	yearday/time, gmt, where yearday 0.5 = Jan 1 at 1200 hrs	dec. yearday
lat	latitude, negative = South	decimal degrees
lon	longitude, negative = West	decimal degrees
temp_air	air temperature	degrees C
temp_ss5	sea surface temperature at 5meters, hull intake	degrees C
sal	sea surface salinity, hull intake	PSU
flvolt	fluorescence	volts
wind_vel_u	eastward component of wind velocity, oceanographic convention	m/sec
wind_vel_v	northward component of wind velocity, oceanographic convention	m/sec
par_v		
press_bar	barometric pressure	unknown
wind_dir	wind direction reports as compass degrees, using meteorologic convention of "from" not "to"	degrees
wind_spd	wind speed, in m/s	m/sec
month_gmt	month, UTC	unitless
day_gmt	day of month, UTC	unitless
time_gmt	time, UTC	unitless
ISO_DateTime	UTC date and time in ISO format: yyyy-mm-ddTHH:MM:SSZ	unitless

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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

SJ9505

Website	https://www.bco-dmo.org/deployment/57484
Platform	R/V Seward Johnson
Report	http://globec.whoi.edu/globec-dir/reports/sj9505/sj9505.html
Start Date	1995-04-07
End Date	1995-04-21
Description	Process cruise looking for cod and haddock larvae. **Acquisition Description** GLOBEC Georges Bank Cruises Shipboard Sensor Data. Cleaned and merged to 5 minute intervals.

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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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