

Seward Johnson alongtrack sensor data from R/V Seward Johnson SJ9507 on Georges Bank from May 1995 (GB project)

Website: <https://www.bco-dmo.org/dataset/639722>

Version: 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

Table of Contents

- [Dataset Description](#)
 - [Methods & Sampling](#)
- [Data Files](#)
- [Parameters](#)
- [Instruments](#)
- [Deployments](#)
- [Project Information](#)
- [Program Information](#)
- [Funding](#)

Dataset Description

Seward Johnson Cruises: 9507 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:

Jim Manning
National Marine Fisheries Service
NOAA
Woods Hole, MA 02543

1. These data are accessed under the the GLOBEC homepage-->data-->process-->{year}-->alongtrack
2. These are stored as single ascii files per cruise with several variables merged to one minute (interpolated) time steps.
3. 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.
4. 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

Methods & Sampling

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

[[table of contents](#) | [back to top](#)]

Data Files

File
sj_shipdata_9507.csv (Comma Separated Values (.csv), 574.15 KB) MD5:c18b4730e5cd18b97c79a2b24c9f9d92
Primary data file for dataset ID 639722

[[table of contents](#) | [back to top](#)]

Parameters

Parameters for this dataset have not yet been identified

[[table of contents](#) | [back to top](#)]

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.

[[table of contents](#) | [back to top](#)]

Deployments

SJ9507

Website	https://www.bco-dmo.org/deployment/57486
Platform	R/V Seward Johnson
Report	http://globec.whoi.edu/globec-dir/reports/sj9507/SJ9507.pdf
Start Date	1995-05-08
End Date	1995-05-26
Description	process larvae Methods & Sampling GLOBEC Georges Bank Cruises Shipboard Sensor Data. Cleaned and merged to 5 minute intervals.

[[table of contents](#) | [back to top](#)]

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.

[[table of contents](#) | [back to top](#)]

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).

[[table of contents](#) | [back to top](#)]

Funding

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

[[table of contents](#) | [back to top](#)]