Longitude and Latitude data to accompany acoustic backscatter data (one of three related datasets) from the AL9801 cruise on the R/V Albatross IV in the Gulf of Maine and Georges Bank in 1998 (GB project)

Website: https://www.bco-dmo.org/dataset/2394
Data Type: Cruise Results
Version: 1
Version Date: 2001-10-31

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
Longitude and Latitude data to accompany acoustic backscatter data (one of three related datasets) from the AL9801 cruise on the R/V Albatross IV in the Gulf of Maine and Georges Bank in 1998 (GLOBEC-Georges Bank project).

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Coverage

Spatial Extent: **N**:42.39144 **E**:-65.84685 **S**:40.30549 **W**:-69.03893
Temporal Extent: 1998-01-07 - 1998-01-19

Dataset Description

These latitude and longitude values were used during the processing of the AL9801 Greene Bomber acoustic returns experiment. They are in decimal degrees.

See related objects:
cp_decibels: https://www.bco-dmo.org/dataset/2392
cp_depths: https://www.bco-dmo.org/dataset/2393

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Data Files

File
cp_lat_lon.csv(Comma Separated Values (.csv), 481.40 KB) MD5:5f928ef37a94772af4f4f6e70b6bd747 Primary data file for dataset ID 2394

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Parameters

Parameter	Description	Units
lat	latitude: North is positive and negative denotes South	decimal degrees
lon	longtude: East is positive and negative denotes West	decimal degrees

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Deployments

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

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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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