

Acoustic 3D perspective curtain plot from data collected on R/V Albatross IV cruise AL9404 in the Gulf of Maine and Georges Bank in 1994 (GB project)

Website: <https://www.bco-dmo.org/dataset/2396>

Version: 1

Version Date: 2005-03-16

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

Acoustic 3D perspective curtain plot from data collected on R/V Albatross IV cruise AL9404 in the Gulf of Maine and Georges Bank in 1994 (GLOBEC- Georges Bank project)

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Dataset Description

This is a 3D curtain plot of volume back scattering along the ALBATROSS IV 9404, June 1994, cruise track line. It is a 780nm visualization. For further information, contact Peter Wiebe, Woods Hole Oceanographic Institution.

Methods & Sampling

This is a 3D curtain plot of volume back scattering along the ALBATROSS IV 9404, June 1994, cruise track line. It is a 780nm visualization.

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Data Files

File
curtain_plot.csv (Comma Separated Values (.csv), 220 bytes) MD5:859aac9eba8e5899bba6aa6faaecf9cf
Primary data file for dataset ID 2396

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Parameters

Parameter	Description	Units
cruiseid	cruise identification, e.g. al9404 = RV/Albatross cruise 9404.	
image	link to an image, e.g. of a curtain plot	
description	description of image	
contributor	person responsible for image.	

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Deployments

AL9404

Website	https://www.bco-dmo.org/deployment/57369
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9404/AL9404.htm
Start Date	1994-05-31
End Date	1994-06-10
Description	Methods & Sampling broad-scale This is a 3D curtain plot of volume back scattering along the ALBATROSS IV 9404, June 1994, cruise track line. It is a 780nm visualization.

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Project Information

U.S. GLOBEC Georges Bank (GB)

Website: 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.

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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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