Seabird 911 CTD data from R/V Oceanus and R/V Edwin Link cruises OC301, OC303, EL9904, and EL9905 in the Gulf of Maine and Georges Bank from 1997-1999 as part of the U.S. GLOBEC program (GB project)

Website: https://www.bco-dmo.org/dataset/2429
Data Type: Cruise Results
Version: 1
Version Date: 2004-02-26

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
Seabird 911 CTD data from R/V Oceanus and R/V Edwin Link cruises OC301, OC303, EL9904, and EL9905 in the Gulf of Maine and Georges Bank from 1997-1999 as part of the U.S. GLOBEC program.

Table of Contents

Coverage

Spatial Extent: **N**:41.227 **E**:-67.185 **S**:40.546 **W**:-68.476
Temporal Extent: 1997-04-05 - 1999-05-29

Dataset Description

PI: Jim Manning
Dataset: SEABIRD 911 CTD data
Ship: R/V OCEANUS
Cruise(s): 301,303

Data submitted by:
James Manning
National Marine Fisheries Service, NEFC
Woods Hole, MA 02543

voice: 508-495-2000
fax: 508-495-2258

email: jmanning@whsun1.wh.whoi.edu

prepared by: Jim Manning, NMFS/Woods Hole Updated: 26 Feb. 2004, gfh

Methods & Sampling

SEABIRD 9/11 CTD cast
They are calibrated with Niskin bottles
but a salt correction was not applied (<0.01 psu mean difference). ottles

[table of contents | back to top]

Data Files

File
nmfs_ctdsb.csv (Comma Separated Values (.csv), 2.04 MB) MD5:fc1b49a95bbb864e0ea565657eccc7ec Primary data file for dataset ID 2429

[table of contents | back to top]

Parameters

Parameter	Description	Units
year	4-digit year (i.e. 1997)	nd
ship	ship name abbreviated (i.e. OCN = Oceanus)	nd
cruiseid	originator's cruise identification	nd
instrument	sb911 = SeaBird 911 CTD system	nd
pi	name of scientist responsible for data (first initial, last name)	nd
eventno	event number assigned by originator to a series of sampling events	nd
yrday0_utc_range	utc yearday range for particular eventno	decyd:decyd
yrday0_local_range	local yearday range for particular eventno	decyd:decyd
lon_range	longtitude range per eventno	decdeg:decdeg
lat_range	latitude range per eventno	decdeg:decdeg
ctd_range	range of CTD cast numbers per eventno	cast:cast
depth_w_range	water depth range per eventno	meters:meters
site	process for Process Study	nd
comments	drifter	nd
yrday0_utc	utc yearday	(noon Jan 1st = 0.5)
yrday0_local	local yearday (noon Jan 1st = 0.5)	decimal yd
cast	CTD cast number	nd
station	station number	nd
depth_w	depth of water	meters
lon	longitude, negative = west	decimal degrees
lat	latitude, negative = south	decimal degrees
press	pressure	decibars
temp_ctd	temperature	degC
sal_ctd	salinity	PSU
sigmat	sigma-t density	kg/m3 -1000
flvolt	fluorescence	volts
light_tran_v	light transmission	volts
par_scalar_v	Photosynthetically Available Radiation PAR, scalar instrument	volts

[table of contents | back to top]

Instruments

Dataset-specific Instrument Name	SeabirdCTD
Generic Instrument Name	CTD Sea-Bird
Dataset-specific Description	SeaBird 911 CTD system
Generic Instrument Description	Conductivity, Temperature, Depth (CTD) sensor package from SeaBird Electronics, no specific unit identified. This instrument designation is used when specific make and model are not known. See also other SeaBird instruments listed under CTD. More information from Sea-Bird Electronics.

[table of contents | back to top]

Deployments

OC301

Website	https://www.bco-dmo.org/deployment/57447
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc301/oc301.html
Start Date	1997-04-05
End Date	1997-04-17
Description	process fish vital rates **Methods & Sampling** SEABIRD 9/11 CTD cast They are calibrated with Niskin bottles but a salt correction was not applied (

OC303

Website	https://www.bco-dmo.org/deployment/57449
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc303/oc303.html
Start Date	1997-05-06
End Date	1997-05-23
Description	process **Methods & Sampling** SEABIRD 9/11 CTD cast They are calibrated with Niskin bottles but a salt correction was not applied (

EL9904

Website	https://www.bco-dmo.org/deployment/57394
Platform	R/V Edwin Link
Report	http://globec.whoi.edu/globec-dir/reports/el9904/el9904.html
Start Date	1999-04-14
End Date	1999-04-28
Description	process **Methods & Sampling** SEABIRD 9/11 CTD cast They are calibrated with Niskin bottles but a salt correction was not applied (

EL9905

Website	https://www.bco-dmo.org/deployment/57395
Platform	R/V Edwin Link
Report	http://globec.whoi.edu/globec-dir/reports/el9905/el9905new.html
Start Date	1999-05-10
End Date	1999-05-29
Description	process **Methods & Sampling** SEABIRD 9/11 CTD cast They are calibrated with Niskin bottles but a salt correction was not applied (

[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]