

# Bongo displacement volume data from R/V Albatross IV, R/V Endeavor, and R/V Oceanus during U.S. GLOBEC Georges Bank broadscale cruises to Georges Bank and the Gulf of Maine in 1995-1999 (GB project)

**Website:** <https://www.bco-dmo.org/dataset/2391>

**Data Type:** Cruise Results

**Version:** 1

**Version Date:** 2002-11-06

## Project

» [U.S. GLOBEC Georges Bank](#) (GB)

## Program

» [U.S. GLOBal ocean ECosystems dynamics](#) (U.S. GLOBEC)

Contributors	Affiliation	Role
<a href="#">Green, John</a>	National Marine Fisheries Service (NMFS)	Co-Principal Investigator
<a href="#">Mountain, David</a>	National Marine Fisheries Service (NMFS)	Co-Principal Investigator
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## Abstract

Bongo displacement volume data from R/V Albatross IV, R/V Endeavor, and R/V Oceanus during U.S. GLOBEC Georges Bank broadscale cruises to Georges Bank and the Gulf of Maine in 1995-1999 (GB project)

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## Coverage

**Spatial Extent:** N:42.34 E:-65.66 S:40.23 W:-69.14

**Temporal Extent:** 1995-02-11 - 1999-06-23

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## Dataset Description

**BioVolume Data from Bongo Tows during Broadscale Cruises, 1995-1999**

**Dave Mountain, Jack Green and Joe Kane, NMFS**

This displacement volume data comes from one net with a mesh size of 333 um.

## Acquisition Description

This displacement volume data comes from one net with a mesh size of 333 um.

## Processing Description

column header	meaning	units
raw_vol	raw volume	cc
displ_vol	displacement volume	cc/100m3
haul_factor	haul factor	100/volume filtered (m3)

displacement volume is a normalized displacement volume and is calculated: **raw\_vol \* haul\_factor**

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## Parameters

Parameter	Description	Units
raw_vol	raw volume	cc
displ_vol	displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor. Displacement volume is the volume of animals per 100 cubic meters of seawater.	cc per 100m3 water
haul_factor	haul factor. A standard haul factor (SHF) was calculated for each Bongo net tow to make them comparable and to allow estimation of areal abundance. The SHF is calculated by the formula: $SHF = 10D/V$ where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m) V = total volume of water (m3) strained during the haul. $V = R * a * p$ where R = total number of revolutions of the current meter during the haul a = area (m2) of the mouth of the net p = length of the column of water needed produce one revolution of the current meter	100/volume filtered (m3)
cruiseid	cruise identifier e.g. AL9505 is RV/Albatross-9505	
year	year of sampling	yyyy
cast	cast number	integer
station	station number	integer
station_std	standard station number	integer
day_local	day of month in local time	1-31
month_local	month in local time	1-12
time_local	local time	HHmm

lat	latitude: North is positive and negative denotes South	decimal degrees
lon	longitude: East is positive and negative denotes West	decimal degrees
depth_w	depth of the water	cubic meters
depth	depth of the sample	meters
region	code for region of NW Atlantic: GBK= Georges Bank; GOM=Gulf of Maine; SNE=Southern New England; SSH=Slope/Shelf; UNK=unknown	text
yrday_local	local day and decimal time: as 326.5 for the 326th day of the year or November 22 at 1200 hours (noon)	

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## Instruments

<b>Dataset-specific Instrument Name</b>	Bongo Nets
<b>Generic Instrument Name</b>	Bongo Net
<b>Dataset-specific Description</b>	Bongo net with a mesh size of 333 um.
<b>Generic Instrument Description</b>	<p>A Bongo Net consists of paired plankton nets, typically with a 60 cm diameter mouth opening and varying mesh sizes, 10 to 1000 micron. The Bongo Frame was designed by the National Marine Fisheries Service for use in the MARMAP program. It consists of two cylindrical collars connected with a yoke so that replicate samples are collected at the same time. Variations in models are designed for either vertical hauls (OI-2500 = NMFS Pairovet-Style, MARMAP Bongo, CalVET) or both oblique and vertical hauls (Aquatic Research). The OI-1200 has an opening and closing mechanism that allows discrete "known-depth" sampling. This model is large enough to filter water at the rate of 47.5 m<sup>3</sup>/minute when towing at a speed of two knots. More information: Ocean Instruments, Aquatic Research, Sea-Gear</p>

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## Deployments

AL9505

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57371">https://www.bco-dmo.org/deployment/57371</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9505/al9505rot.pdf">http://globec.whoi.edu/globec-dir/reports/al9505/al9505rot.pdf</a>
<b>Start Date</b>	1995-05-09
<b>End Date</b>	1995-05-18
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### AL9506

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57372">https://www.bco-dmo.org/deployment/57372</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9506/al9506new.html">http://globec.whoi.edu/globec-dir/reports/al9506/al9506new.html</a>
<b>Start Date</b>	1995-06-05
<b>End Date</b>	1995-06-15
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9508**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57373">https://www.bco-dmo.org/deployment/57373</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9508/a9508rp2.HTM">http://globec.who.edu/globec-dir/reports/al9508/a9508rp2.HTM</a>
<b>Start Date</b>	1995-07-10
<b>End Date</b>	1995-07-20
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9605**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57375">https://www.bco-dmo.org/deployment/57375</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9605/al9605.html">http://globec.who.edu/globec-dir/reports/al9605/al9605.html</a>
<b>Start Date</b>	1996-05-06
<b>End Date</b>	1996-05-17
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### AL9607

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57376">https://www.bco-dmo.org/deployment/57376</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9607/AL9607.pdf">http://globec.who.edu/globec-dir/reports/al9607/AL9607.pdf</a>
<b>Start Date</b>	1996-06-03
<b>End Date</b>	1996-06-13
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>



**AL9701**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57378">https://www.bco-dmo.org/deployment/57378</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9701/cral9701.htm">http://globec.who.edu/globec-dir/reports/al9701/cral9701.htm</a>
<b>Start Date</b>	1997-01-13
<b>End Date</b>	1997-01-20
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9705**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57379">https://www.bco-dmo.org/deployment/57379</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9705/al9705.html">http://globec.whoi.edu/globec-dir/reports/al9705/al9705.html</a>
<b>Start Date</b>	1997-05-19
<b>End Date</b>	1997-05-27
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### AL9707

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57380">https://www.bco-dmo.org/deployment/57380</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9707/al9707.html">http://globec.whoi.edu/globec-dir/reports/al9707/al9707.html</a>
<b>Start Date</b>	1997-06-18
<b>End Date</b>	1997-06-28
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9801**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57382">https://www.bco-dmo.org/deployment/57382</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9801/al9801.html">http://globec.who.edu/globec-dir/reports/al9801/al9801.html</a>
<b>Start Date</b>	1998-01-07
<b>End Date</b>	1998-01-19
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9806**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57384">https://www.bco-dmo.org/deployment/57384</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9806/al9806.html">http://globec.whoi.edu/globec-dir/reports/al9806/al9806.html</a>
<b>Start Date</b>	1998-05-13
<b>End Date</b>	1998-05-22
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### AL9808

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57385">https://www.bco-dmo.org/deployment/57385</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/al9808/al9808.html">http://globec.whoi.edu/globec-dir/reports/al9808/al9808.html</a>
<b>Start Date</b>	1998-06-16
<b>End Date</b>	1998-06-26
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9901**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57386">https://www.bco-dmo.org/deployment/57386</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9901/al9901.html">http://globec.who.edu/globec-dir/reports/al9901/al9901.html</a>
<b>Start Date</b>	1999-01-12
<b>End Date</b>	1999-01-24
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**AL9904**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57387">https://www.bco-dmo.org/deployment/57387</a>
<b>Platform</b>	R/V Albatross IV
<b>Start Date</b>	1999-05-19
<b>End Date</b>	1999-05-27
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### AL9906

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57388">https://www.bco-dmo.org/deployment/57388</a>
<b>Platform</b>	R/V Albatross IV
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/al9906/al9906rpt.html">http://globec.who.edu/globec-dir/reports/al9906/al9906rpt.html</a>
<b>Start Date</b>	1999-06-14
<b>End Date</b>	1999-06-24
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN261**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57401">https://www.bco-dmo.org/deployment/57401</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1995-02-10
<b>End Date</b>	1995-02-20
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN263**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57403">https://www.bco-dmo.org/deployment/57403</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en263/EN263.pdf">http://globec.who.edu/globec-dir/reports/en263/EN263.pdf</a>
<b>Start Date</b>	1995-03-13
<b>End Date</b>	1995-03-24
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN265**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57405">https://www.bco-dmo.org/deployment/57405</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1995-04-11
<b>End Date</b>	1995-04-22
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN276**



<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57413">https://www.bco-dmo.org/deployment/57413</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en276/EN276.pdf">http://globec.who.edu/globec-dir/reports/en276/EN276.pdf</a>
<b>Start Date</b>	1996-01-10
<b>End Date</b>	1996-01-22
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

## EN278

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57414">https://www.bco-dmo.org/deployment/57414</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1996-02-13
<b>End Date</b>	1996-02-25
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN282**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57415">https://www.bco-dmo.org/deployment/57415</a>
<b>Platform</b>	R/V Endeavor
<b>Start Date</b>	1996-04-08
<b>End Date</b>	1996-04-20
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**EN320**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57427">https://www.bco-dmo.org/deployment/57427</a>
<b>Platform</b>	R/V Endeavor
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/en320new/en320mda.htm">http://globec.who.edu/globec-dir/reports/en320new/en320mda.htm</a>
<b>Start Date</b>	1999-03-10
<b>End Date</b>	1999-03-23
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC275**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57440">https://www.bco-dmo.org/deployment/57440</a>
<b>Platform</b>	R/V Oceanus
<b>Start Date</b>	1996-03-11
<b>End Date</b>	1996-03-22
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC298**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57444">https://www.bco-dmo.org/deployment/57444</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/oc298/cruisereport.html">http://globec.whoi.edu/globec-dir/reports/oc298/cruisereport.html</a>
<b>Start Date</b>	1997-02-11
<b>End Date</b>	1997-02-23
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

## OC300

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57446">https://www.bco-dmo.org/deployment/57446</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/oc300/oc300rpt.mr7.html">http://globec.whoi.edu/globec-dir/reports/oc300/oc300rpt.mr7.html</a>
<b>Start Date</b>	1997-03-16
<b>End Date</b>	1997-03-28
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC302**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57448">https://www.bco-dmo.org/deployment/57448</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/oc302/oce302.html">http://globec.who.edu/globec-dir/reports/oc302/oce302.html</a>
<b>Start Date</b>	1997-04-22
<b>End Date</b>	1997-05-02
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC317**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57451">https://www.bco-dmo.org/deployment/57451</a>
<b>Platform</b>	R/V Oceanus
<b>Start Date</b>	1998-02-06
<b>End Date</b>	1998-02-19
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

## OC319

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57452">https://www.bco-dmo.org/deployment/57452</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/oc319/oc319new/oc319rpt.8april98.htm">http://globec.whoi.edu/globec-dir/reports/oc319/oc319new/oc319rpt.8april98.htm</a>
<b>Start Date</b>	1998-03-15
<b>End Date</b>	1998-03-27
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC322**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57454">https://www.bco-dmo.org/deployment/57454</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.who.edu/globec-dir/reports/oc322/oc322.html">http://globec.who.edu/globec-dir/reports/oc322/oc322.html</a>
<b>Start Date</b>	1998-04-15
<b>End Date</b>	1998-04-27
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

**OC336**

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57459">https://www.bco-dmo.org/deployment/57459</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/oc336/oc336cruise-report.html">http://globec.whoi.edu/globec-dir/reports/oc336/oc336cruise-report.html</a>
<b>Start Date</b>	1999-02-11
<b>End Date</b>	1999-02-23
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>

#### OC341

<b>Website</b>	<a href="https://www.bco-dmo.org/deployment/57464">https://www.bco-dmo.org/deployment/57464</a>
<b>Platform</b>	R/V Oceanus
<b>Report</b>	<a href="http://globec.whoi.edu/globec-dir/reports/oc341/reptoc341.html">http://globec.whoi.edu/globec-dir/reports/oc341/reptoc341.html</a>
<b>Start Date</b>	1999-04-16
<b>End Date</b>	1999-04-27
<b>Description</b>	<p>broad-scale</p> <p><b>Acquisition Description</b> This displacement volume data comes from one net with a mesh size of 333 um.</p> <p><b>Processing Description</b> column header meaning units raw_vol raw volume cc displ_vol displacement volume cc/100m3 haul_factor haul factor 100/volume filtered (m3) displacement volume is a normalized displacement volume and is calculated: raw_vol * haul_factor</p>



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## Project Information

### U.S. GLOBEC Georges Bank (GB)

**Website:** [http://globec.whoi.edu/globec\\_program.html](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.

## 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).

## Funding

Funding Source	Award
National Science Foundation (NSF)	<a href="#">unknown GB NSF</a>
National Oceanic and Atmospheric Administration (NOAA)	<a href="#">unknown GB NOAA</a>