

Broad-scale station numbers and locations from the US-GLOBEC Georges Bank project

Website: <https://www.bco-dmo.org/dataset/2329>

Data Type: Cruise Results

Version: 1

Version Date: 1998-05-28

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

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Coverage

Spatial Extent: N:42.3 E:-65.68 S:40.3 W:-68.99

Temporal Extent: 1993 - 1999

Dataset Description

The locations for the broad-scale stations are defined for all the broad-scale cruises. Each station has a priority (priority 1 is a higher priority than 2, etc.) For more detailed information about the station protocol, see <http://globec.who.edu/globec-dir/corestations.html>.

Parameter	Description	Units
description	description of stations (maintain record of how stations have changed over time)	n/a
station	pre-assigned station number	n/a
lat_deg	latitude degrees	degrees
lat_min	latitude minutes	minutes
lat_ddmm_tt	latitude deg. & minutes mm=minutes tt=fractions of minutes	dd=degrees
lon_deg	longitude degrees	degrees
lon_min	longitude minutes	minutes
lon_ddmm_tt	longitude deg. & minutes mm=minutes tt=fractions of minutes	dd=degrees
lat	decimal latitude	decimal degrees
lon	decimal longitude	decimal degrees
depth_w	water depth	meters
distance	distance between stations	nautical miles
priority	station priority	n/a

The total track line is 710.9 nm

Note that standard station #40 is

- to take place in deep water (183m), and
- to include a MOCNESS 10 tow, even though it is a priority 3 station.

Note also that the track line to station #41 should be followed, if possible, even if the station itself will be skipped. The ADCP record along the segments is of high priority for the modeling efforts.

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Parameters

Parameter	Description	Units
description	description of stations (maintain record of how stations have changed over time)	n/a
station	pre-assigned station number	n/a
lat_deg	latitude degrees	degrees
lat_min	latitude minutes	minutes
lat_ddmm_tt	latitude deg. & minutes	ddmm.tt
lon_deg	longitude degrees	degrees
lon_min	longitude minutes	minutes
lon_ddmm_tt	longitude deg. & minutes	ddmm.tt
lat	decimal latitude	decimal degrees
lon	decimal longitude	decimal degrees
depth_w	water depth	meters
distance	distance between stations	nautical miles
priority	station priority	n/a
year	sampling year in 4-digit format (yyyy)	unitless

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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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