

US GLOBEC Georges Bank 1999 full resolution AVHRR images zoom domain from NOAA Satellites

Website: <https://www.bco-dmo.org/dataset/3887>

Version: 2012-09-12

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Project

» [U.S. GLOBEC Georges Bank](#) (GB)

Program

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

Contributors	Affiliation	Role
Bisagni, James J.	University of Massachusetts Dartmouth SMAST (UMASSD-SMAST)	Principal Investigator
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Dataset Description

Real time MCSST US GLOBEC Georges Bank full resolution zoom domain for 1999. During the time of the project, images provided to the ships were reviewed and those images with little cloud cover over Georges Bank were reviewed. (These image files were assigned a file extent (file type) of ".revd". When ships were not out on cruise reviewing did not take place. The images were remapped to the same GB_Zoom region (almost full resolution) and were given a file extent of ".gbs".

Data Provider:

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Notes:

As a courtesy, please notify Jim Bisagni via email about your intent to use the SST OI fields, so that he may keep a record.

Methods & Sampling

Domain:

43.996 latitude top, 39.004 latitude bottom, -70.632 longitude left, -63.97 longitude right

Center latitude: 41.5, center longitude: -67.3

512 x512 pixels, slope=0.125. Y-intercept=0

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Data Files

File
zoom_avhrr_1999.csv (Comma Separated Values (.csv), 392.25 KB) MD5:c5821e3176c44d25b5aa13c06bb0ceec Primary data file for dataset ID 3887

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Parameters

Parameter	Description	Units
images	Name of the NOAA satellite providing the images	n/a
description	Description of the NOAA satellite providing the AVHRR images	n/a
contributor	Name of the investigator providing the processed images.	n/a
x_pixel_unit	Pixel size in the X direction	map units per pixel
y_pixel_unit	Pixel size in the Y direction. This value is usually negative.	map units per pixel
x_correction	Rotation about the X axis	degrees
y_correction	Rotation about the Y axis	degrees
x_coordinate	X coordinate of the center of the upper left pixel	longitude degrees
y_coordinate	Y coordinate of the center of the upper left pixel	latitude degrees
month	Month	n/a
year	Four digit year	n/a
status	Status of the image such as reviewed (by investigator)	n/a
yday_utc	UTC year day, starting with 001 as January 1	three digits
day	UTC day of the month	two digits
time	UTC time of the image as hours, minutes and fraction of minutes	hhmm.mm
ISO_datetime_utc	UTC date and time formatted using the ISO standard	
overlay_image	Link to the satellite image to be used as the overlay image on the MapServer	gif image
color_bar	Color bar used for the AVHRR image representation of sea surface temperature. This scale is sometimes known as Pete's palette.	gif

Deployments

AVHRR_SST_Zoom1995-2003

Website	https://www.bco-dmo.org/deployment/58929
Platform	NOAA Satellites
Start Date	1995-01-03
End Date	2003-12-18
Description	Multiple satellites including NOAA-9, NOAA-14, NOAA-15, NOAA-16, and NOAA-17, depending on the year. NOAA-9: 1995 NOAA-14: 1999, 2001 NOAA-15: 1999, 2001 NOAA-16: 2000, 2001 NOAA-17: 2002, 2003

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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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