Daily cloud-free, AVHRR-derived, optimally interpolated SST movies from NOAA Satellites in the Northwest Atlantic, Gulf of Maine, and Georges Bank from 1993-1998 (GB project)

Website: https://www.bco-dmo.org/dataset/2451
Version: final
Version Date: 1998-12-31

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 (UMASSD-SMAST)	Lead Principal Investigator, Principal Investigator
Groman, Robert C.	Woods Hole Oceanographic Institution (WHOI BCO-DMO)	BCO-DMO Data Manager

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Dataset Description

PI: J. J. Bisagni **Dataset:** Daily Cloud-Free, AVHRR-Derived, Optimally Interpolated (OI) SST movies

The files are listed by calendar year, have a time-step of 1 day, are in Quicktime format, and vary in size from ~3-12 Mbytes. Also shown is our standard temperature color bar legend.

OI SST Movies

Daily AVHRR-derived OI SST movies for the GOMRMRP & U.S. GLOBEC Georges Bank Program studies

Domain:

39.107-45.511 deg N latitude, 63.504-72.164 deg W longitude,

Data Provider:

Dr. J. J. Bisagni

NOAA/NMFS/
28 Tarzwell Drive/
Narragansett, RI 02882/
bisagni@fish1.gso.uri.edu
(401) 782-3313

Notes:

- Please see documentation provided for OI SST Images.

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.

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Data Files

File
oi_sst_movies.csv (Comma Separated Values (.csv), 713 bytes) MD5:3933ac449f008ed477a9839abe1baa08 Primary data file for dataset ID 2451

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Parameters

Parameter	Description	Units
year	year	
movie	Optimally-interpolated sea surface temperature movies.	

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Deployments

OI_SST_JB

Website	https://www.bco-dmo.org/deployment/58116
Platform	NOAA Satellites
Start Date	1993-01-01
End Date	1998-12-31
Description	Ocean Imaging from satellite.

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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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