Inventory of U.S. GLOBEC Southern Ocean data collected during 11 cruises on the ARSV Laurence M. Gould and RVIB Nathaniel B. Palmer to the Southern Ocean in 2001-2003.

Website: https://www.bco-dmo.org/dataset/2368
Version: final
Version Date: 2008-05-07

Project
» U.S. GLOBEC Southern Ocean (SOGLOBEC)

Program
» U.S. GLOBal ocean ECosystems dynamics (U.S. GLOBEC)

Contributors	Affiliation	Role
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Dataset Description

Inventory of U.S. GLOBEC Southern Ocean Data

This inventory uses the JGOFS data management system and the same hierachical data structure used in many other data sets to store data about the data (metadata). Data fields include:

For further information contact the Data Management Office

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Parameters

Parameter	Description	Units
project	Name of project or cruiseid	
platform	Platform name, e.g. ship name	
year_p_start	Year the project started	local time
month_p_start	Month the project started	local time
day_p_start	Day the project started	local time
year_p_end	Year the project ended	local time
month_p_end	Month the project ended	local time
day_p_end	Day the project ended	local time
name_prin	Principal investigator's name. This is the person responsible for this project.	
brief_desc	Brief description of the project. For cruises, indicates whether broadscale, process, mooring, etc.	

siname	Name of scientific investigator responsible for this data_type	
status	Status of the data, e.g. collected, on-line, etc. Keywords used in this field are strictly monitored.	
year	Year that the status entry information was added to the inventory	local time
month	Month that the status entry information was added to the inventory	local time
day	Day that the status entry information was added to the inventory	local time
description	Descriptive text tied to this status entry. For status=on-line, this field will include the link to the data or information.	
data_type	sampling method - instrument type, e.g. MOCNESS-1 or MOCNESS-10	
cruiseid	cruise identification, e.g. NBP0202, for RVIB Palmer cruise 0202	
year	year	
tow	tow number	
day_gmt	day of month, GMT, 1 - 31	
month_gmt	month of year, GMT, 1 - 12	
station	station number, from event log	
station_std	standard station number, from event log	
yrday_gmt	year day as a decimal, based on Julian calendar, GMT	YYY.Y
time_gmt	time, GMT using 24 hour clock to decimal minutes.	HHmm.m
press	depth of observation or sample	meters
temp	temperature of water	deg.C
potemp	potential temperature or theta[1]	deg.C
sal	salinity calculated from conductivity, bad values are set to 50	
sigma_0	potential density[1]	kg/m3
flvolt	relative fluorescence (0-5 volts)	volts
angle	angle of net frame relative to vertical (0-89 degrees)	degrees
flow	consecutive flow counts	
hzvel	horizontal net velocity	m/min
vtvel	vertical net velocity	m/min
vol_filt	volume filtered	m³
trans_v	transmissometry or light transmission, (0-5 volts)	volts
o2	dissolved oxygen	ml/liter
lite	down welling light	volts
net	MOCNESS net number, (00-08)	
lat	latitude, negative = South	DD.D
lon	longitude, negative = West	DDD.D

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Project Information

U.S. GLOBEC Southern Ocean (SOGLOBEC)

Website: http://www.ccpo.odu.edu/Research/globec_menu.html

Coverage: Southern Ocean

The fundamental objectives of United States Global Ocean Ecosystems Dynamics (U.S. GLOBEC) Program are dependent upon the cooperation of scientists from several disciplines. Physicists, biologists, and chemists must make use of data collected during U.S. GLOBEC field programs to further our understanding of the interplay of physics, biology, and chemistry. Our objectives require quantitative analysis of interdisciplinary data sets and, therefore, data must be exchanged between researchers. To extract the full scientific value, data must be made available to the scientific community on a timely basis.

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
NSF Antarctic Sciences (NSF ANT)	unknown SOGLOBEC NSF ANT