

Scientific sampling event logs from R/V Thomas G. Thompson TT043, TT045, TT049, TT050, TT053, TT054 cruises in the Arabian Sea in 1995 (U.S. JGOFS Arabian Sea project)

Website: <https://www.bco-dmo.org/dataset/2517>

Version: final

Version Date: 1999-01-04

Project

» [U.S. JGOFS Arabian Sea](#) (Arabian Sea)

Program

» [U.S. Joint Global Ocean Flux Study](#) (U.S. JGOFS)

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Dataset Description

scientific sampling event logs from research cruises

Methods & Sampling

See Platform deployments for cruise specific documentation

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Data Files

File

log_TT043.csv

(Comma Separated Values (.csv), 23.69 KB)

MD5:2ed04fbfefa98189cc6b09da70b83be0

Event Log

version April 27, 1995

US JGOFS Arabian Sea study

TTN-043, Process cruise 1, R/V Thomas G. Thompson

Dates: from January 8, 1995 to February 1, 1995

Chief Scientist: Michael Roman

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM)

casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

File

log_TT045.csv

(Comma Separated Values (.csv), 27.34 KB)

MD5:870e7284fc0df01d27d2bb306b5acaee

Event Log

version January 4, 1999

US JGOFS Arabian Sea study

TTN-045, Process cruise 2, R/V Thomas G. Thompson

Dates: from March 14, 1995 to April 8, 1995

Chief Scientist: John Marra

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM) casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

File

log_TT049.csv

(Comma Separated Values (.csv), 19.44 KB)

MD5:699232bf9dc5fe9a1becb42a621634b3

Event Log

version November 9, 1995

US JGOFS Arabian Sea study

TTN-049, Process cruise 4, R/V Thomas G. Thompson

Dates: from July 18, 1995 to August 13, 1995

Chief Scientist: Richard Barber

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM) casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

File

log_TT050.csv

(Comma Separated Values (.csv), 21.85 KB)

MD5:0b83ca62d16df0042144dc71e6384953

Event Log

version July 12, 1996

US JGOFS Arabian Sea study

TTN-050, Process cruise 5, R/V Thomas G. Thompson

Dates: from August 18, 1995 to September 13, 1995

Chief Scientist: Sharon Smith

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM) casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

File

log_TT053.csv

(Comma Separated Values (.csv), 22.76 KB)

MD5:c1a64618b29152ffcd18433be0a105d7

Event Log

version July 31, 1996

US JGOFS Arabian Sea study

TTN-053, Process cruise 6, R/V Thomas G. Thompson

Dates: from October 29, 1995 to November 25, 1995

Chief Scientist: Barney Balch

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM) casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

File

log_TT054.csv

(Comma Separated Values (.csv), 29.70 KB)

MD5:d287460627e574349a1dafac32e24848

Event Log

version June 13, 1996

US JGOFS Arabian Sea study

TTN-054, Process cruise 7, R/V Thomas G. Thompson

Dates: from November 30, 1995 to December 26, 1995

Chief Scientist: Wilford Gardner

[Cruise track and notes](#)

Some activities, such as aerosol sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.

year = year cruise took place.

event = A unique number assigned to each over the side sampling activity.

This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity.

Generally, one event began as the preceding event ended.

sta = Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise

cast = CTD or TM cast number within a station location (added 090423)

cast_type = a sampling activity identifier, where:

CTD = CTD rosette bottle cast

TM = trace metal free rosette bottle cast

lat = starting latitude for each event (negative = south) in decimal degrees

lon = starting longitude for each event (negative = west) in decimal degrees

activity_and_comments = Identifies the sampling method, generally followed by a sampling sequence number for that method. CTD or Trace Metal (TM)

casts were also designated by an 8 digit unique number consisting of:

(3 digits for cruise, 3 digits for station, and 2 digits for sequence).

seq = is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.

person = Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.

nd = A code identifying "no data"; used for missing data entries, incomplete entries or bad data.

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Parameters

Parameter	Description	Units
year	year cruise took place.	
event	A unique number assigned to each over the side sampling activity. This number is a composite of date and time UTC(GMT) in the form MMDDHHmm that indicates the starting time of the sampling activity. Generally, one event began as the preceding event ended.	
sta	Station. A unique number designating a general geographic location at which a suite of sampling activities may occur; occupied sequentially during the cruise	
cast_type	a sampling activity identifier, where: CTD = CTD rosette bottle cast TM = trace metal free rosette bottle cast	
lat	starting latitude for each event (negative = south)	decimal degrees
lon	starting longitude for each event (negative = west)	decimal degrees
activity_and_comments	Identifies the sampling method, generally followed by a sampling sequence number for	
seq	is a sequential (within each station) entry in the bridge log of all over the side activities for which gear was deployed.	
person	Name of the scientist(s) involved in the particular sampling event or responsible for the resulting data.	
cast	CTD or TM cast number within a station location (forms unique profile identifier when combined with station number)	dimensionless

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Deployments

TT043

Website	https://www.bco-dmo.org/deployment/57704
Platform	R/V Thomas G. Thompson
Report	http://osprey.bcodmo.org/datasetDeployment.cfm?ddid=2580&did=353&flag=view
Start Date	1995-01-08
End Date	1995-02-05
Description	<p>Purpose: Process Cruise #1 (Late NE Monsoon)</p> <p>Methods & Sampling PI: Michael Roman of: Horn Point Environmental Laboratory dataset: Cruise event log dates: January 8, 1995 to February 1, 1995 location: N: 22.5 S: 10 W: 57.3 E: 68.75 project: Arabian Sea TTN-043, Process cruise 1 (Late NE Monsoon) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

TT045

Website	https://www.bco-dmo.org/deployment/57706
Platform	R/V Thomas G. Thompson
Start Date	1995-03-14
End Date	1995-04-10
Description	<p>Methods & Sampling PI: John Marra of: Lamont-Doherty Earth Observatory dataset: Cruise event log dates: March 14, 1995 to April 08, 1995 location: N: 22.5 S: 10 W: 57.3 E: 68.75 project: TTN045/Process Cruise 2 (Spring Intermonsoon) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

TT049

Website	https://www.bco-dmo.org/deployment/57710
Platform	R/V Thomas G. Thompson
Start Date	1995-07-17
End Date	1995-08-15
Description	<p>Methods & Sampling PI: Richard Barber of: Duke University dataset: Cruise event log dates: July 18, 1995 to August 13, 1995 location: N: 22.5 S: 10 W: 57.3 E: 68.75 project: ttn-049 Process Cruise #4 (Middle SW Monsoon) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

TT050

Website	https://www.bco-dmo.org/deployment/57711
Platform	R/V Thomas G. Thompson
Start Date	1995-08-18
End Date	1995-09-15
Description	<p>Methods & Sampling PI: Sharon Smith of: University of Miami dataset: Cruise event log dates: August 18, 1995 to September 13, 1995 location: N: 22.5 S: 9.899 W: 57.16 E: 68.757 project: ttn-050 Process Cruise 5 (Late SW Monsoon) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

TT053

Website	https://www.bco-dmo.org/deployment/57714
Platform	R/V Thomas G. Thompson
Start Date	1995-10-29
End Date	1995-11-26
Description	<p>Methods & Sampling PI: Barney Balch of: Bigelow Laboratory dataset: Cruise event log dates: October 29, 1995 to November 25, 1995 location: N: 24.3329 S: 10.0778 W: 56.4858 E: 67.1784 project: TTN-053 Process Cruise 6 (bio-optics) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

TT054

Website	https://www.bco-dmo.org/deployment/57715
Platform	R/V Thomas G. Thompson
Start Date	1995-11-30
End Date	1995-12-28
Description	<p>Methods & Sampling PI: Wilford Gardner of: Texas A&M University dataset: Cruise event log dates: November 30, 1995 to December 26, 1995 location: N: 22.5171 S: 9.9591 W: 57.2992 E: 68.7849 project: TTN-054 Process Cruise 7 (Early NE Monsoon) ship: R/V Thomas G. Thompson Cruise Track and Notes Some activities, such as aerosal sampling, sampling from the ship's seawater system, and continuous underway sampling (weather, solar radiation, Sea Beam) are not reported in the log.</p>

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Project Information

U.S. JGOFS Arabian Sea (Arabian Sea)

Website: <http://usjgofs.whoi.edu/research/arabian.html>

Coverage: Arabian Sea

The U.S. Arabian Sea Expedition which began in September 1994 and ended in January 1996, had three major components: a U.S. JGOFS Process Study, supported by the National Science Foundation (NSF); Forced Upper Ocean Dynamics, an Office of Naval Research (ONR) initiative; and shipboard and aircraft measurements supported by the National Aeronautics and Space Administration (NASA). The Expedition consisted of 17 cruises aboard the R/V Thomas Thompson, year-long moored deployments of five instrumented surface buoys and five sediment-trap arrays, aircraft overflights and satellite observations. Of the seventeen ship cruises, six were allocated to repeat process survey cruises, four to SeaSoar mapping cruises, six to mooring and benthic work, and a single calibration cruise which was essentially conducted in transit to the Arabian Sea.

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Program Information

U.S. Joint Global Ocean Flux Study (U.S. JGOFS)

Website: <http://usjgofs.whoi.edu/>

Coverage: Global

The United States Joint Global Ocean Flux Study was a national component of international JGOFS and an integral part of global climate change research.

The U.S. launched the Joint Global Ocean Flux Study (JGOFS) in the late 1980s to study the ocean carbon cycle. An ambitious goal was set to understand the controls on the concentrations and fluxes of carbon and associated nutrients in the ocean. A new field of ocean biogeochemistry emerged with an emphasis on quality measurements of carbon system parameters and interdisciplinary field studies of the biological, chemical and physical process which control the ocean carbon cycle. As we studied ocean biogeochemistry, we learned that our simple views of carbon uptake and transport were severely limited, and a new "wave" of ocean science was born. U.S. JGOFS has been supported primarily by the U.S. National Science Foundation in collaboration with the National Oceanic and Atmospheric Administration, the National Aeronautics and Space Administration, the Department of Energy and the Office of Naval Research. U.S. JGOFS, ended in 2005 with the conclusion of the Synthesis and Modeling Project (SMP).

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Funding

Funding Source	Award
Office of Naval Research (ONR)	unknown Arabian Sea ONR
National Science Foundation (NSF)	unknown Arabian Sea NSF
NSF Division of Ocean Sciences (NSF OCE)	OCE-9310577
NSF Division of Ocean Sciences (NSF OCE)	OCE-9310599

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