Scanned pages from hand-written MOCNESS log and notes on the tow acquisition from R/V Atlantis II AII-112-28 in the Guaymas Basin from July 1985 (Vent Benthos project)

Website: https://www.bco-dmo.org/dataset/506196
Version:
Version Date: 2014-04-08

Project
» Benthic Ecology of Soft Sediments Associated with Hydrothermal Vents (Vent Benthos)

Contributors	Affiliation	Role
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Methods & Sampling

Scanned from the original cruise notes.

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Data Files

File
moc_aqui_log.csv (Comma Separated Values (.csv), 288 bytes) MD5:bb933deed7cb48ddeadf4b67d9ed0e65 Primary data file for dataset ID 506196

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Parameters

Parameter	Description	Units
description	description of MOC acquisition file.	unitless

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Instruments

Dataset-specific Instrument Name	MOC1
Generic Instrument Name	MOCNESS1
Dataset-specific Description	333 micron mesh, 9 nets
Generic Instrument Description	The Multiple Opening/Closing Net and Environmental Sensing System or MOCNESS is a family of net systems based on the Tucker Trawl principle. The MOCNESS-1 carries nine 1-m2 nets usually of 335 micrometer mesh and is intended for use with the macrozooplankton. All nets are black to reduce contrast with the background. A motor/toggle release assembly is mounted on the top portion of the frame and stainless steel cables with swaged fittings are used to attach the net bar to the toggle release. A stepping motor in a pressure compensated case filled with oil turns the escapement crankshaft of the toggle release which sequentially releases the nets to an open then closed position on command from the surface. -- from the MOCNESS Operations Manual (1999 + 2003).

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Deployments

AII-112-28

Website	https://www.bco-dmo.org/deployment/473669
Platform	R/V Atlantis II
Report	http://bcodata.whoi.edu/Wiebe_Vents/ATII-112-28_cruise_rpt_Wiebe.pdf
Start Date	1985-07-24
End Date	1985-08-03
Description	Zooplankton from the Guaymas Basin deep-sea vent field were collected with a 1 m^2 MOCNESS to examine the distribution of total standing stock, taxonomic composition, size-frequency distribution of zooplankton, and the species composition of calanoid copepods.

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Project Information

Benthic Ecology of Soft Sediments Associated with Hydrothermal Vents (Vent Benthos)

Coverage: Guaymas Basin

Description not available.

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Funding

Funding Source	Award
NSF Division of Ocean Sciences (NSF OCE)	OCE-8709962

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