

Scanned pages from hand-written MOCNESS log and notes on the tow acquisition from R/V Atlantis II All-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 |
|---------------------------------|---|------------------------|
| Wiebe, Peter H. | Woods Hole Oceanographic Institution (WHOI) | Principal Investigator |
| Copley, Nancy | Woods Hole Oceanographic Institution (WHOI BCO-DMO) | BCO-DMO Data Manager |

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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-m ² 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

All-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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