Dataset name: **Mesozooplankton biomass**

|  |  |
| --- | --- |
| Parameters: | * **mesozooplankton biomasses per size class** |

PROJECT TITLE: **MOBYDICK**

Oceanographic cruise: **MOBYDICK**

Start date: **18/02/2018**

End date: **27/03/2018**

Project manager: **Bernard Quéguiner** [bernard.queguiner@mio.osupytheas.fr](mailto:bernard.queguiner@mio.osupytheas.fr)

Address: **Mediterranean Institute of Oceanolography**

**Institut Pytheas - Observatoire des Sciences de l'Univers**

**Bâtiment OCEANOMED, Campus de Luminy, case 901**

**F-13288 Marseille Cedex 09, France**

Chief scientist: **Ingrid Obernosterer** [ingrid.obernosterer@obs-banyuls.fr](mailto:ingrid.obernosterer@obs-banyuls.fr)

Address: **Laboratoire d’Océanographie Microbienne**

**Observatoire Océanologique de Banyuls sur mer**

**66650 Banyuls sur mer, France**

Geographic information: **Indian sector of the Southern Ocean**

Latitude: **49.5°S – 52.5°S**

Longitude: **67,0°E – 74.5°E**

Parameter supervisor: **Brian Hunt**

Institute for the Oceans and Fisheries, University of British Columbia,

Aquatic Ecosystems Research Laboratory,

Rm. 330, 2202 Main Mall,

Vancouver, BC V6T 1Z4, Canada

+1 778 230 4776

[b.hunt@oceans.ubc.ca](mailto:b.hunt@oceans.ubc.ca)

Dataset contact: **Brian Hunt**

Institute for the Oceans and Fisheries, University of British Columbia,

Aquatic Ecosystems Research Laboratory,

Rm. 330, 2202 Main Mall,

Vancouver, BC V6T 1Z4, Canada

+1 778 230 4776

[b.hunt@oceans.ubc.ca](mailto:b.hunt@oceans.ubc.ca)

# OPERATIONS

## Sampling device(s)

Samples were collected from vertical zooplankton net tows (WP2 and WP3).

## List of stations sampled

Zooplankton nets: M1, M2\_1, M2\_2, M2\_3, M3\_1, M3\_2, M4\_1, M4\_2.

# INSTRUMENTS

Instrument Type: Plankton nets WP2 and WP3

Manufacturer: General Oceanics

Model:TBD

Instrument Features / Calibration: N/A

# DESCRIPTION of PARAMETERS

## Measurement details

Net samples were size fractionated using 125, 250, 500, 1000, 2000 and 4000 µm sieves from the WP2 net, and using 1000, 2000 and 4000 µm sieves from the WP3 net. Size fractions < 4000 µm were filtered onto pre–weighed Whatman GF/F filters. Zooplankton from the 4000 µm size fraction separated to species level and grouped into logarithmic size bins. All zooplankton samples were subsequently oven dried for 24-48 hours at 50oC. Dried samples were returned to UBC.

## Analytical procedure

The dry weight biomass of all dry zooplankton samples will be weighed to the nearest 0.1mg.

## Units

Dry weight biomass (mg m–3)

## Sensor precision

N/A

## Post-cruise data analysis/treatment required

Re-drying; weighing.

## Estimated Date of Delivery

Dry weights will be produced by 15 July 2018.

# BIBLIOGRAPHY

NA