



Kongsfjorden (MOSJ) cruise 14-17 July 2015

Cruise report

[Pick the date]

MOSJ survey - Kongsfjorden

MOSJ (Environmental monitoring – Svalbard and Jan Mayen, www.mosj.npolar.no/) is a program to monitor changes in the Arctic Ecosystem at Svalbard and Jan Mayen. As a part of MOSJ, the survey in Kongsfjorden - Fram Strait (KongHau) is used by NPI to monitor long term changes in phytoplankton and zooplankton as well as trophic structure of this ecosystem. The survey consists of pelagic sampling (hydrographic, biogeochemical, phytoplankton and zooplankton) and marine geological sampling.

The transect consists of 7 stations inside the fjord (Kb7, Kb6, Kb5, Kb3, Kb2, Kb2, Kb1, Kb0), 3 stations on the shelf (V12, V10, V6) and 3 stations off the shelf (KH, HG-I, HG-IV), but this year we were not able to sample the stations in the Fram Strait due to short cruise time, delayed start and too much wind. Since the CTD broke down at station V6 no water was sampled at this station. Detailed information regarding the procedures of sampling and processing of the different parameters are found in the document “Kongsfjorden MOSJ Cruise 2015 Cruise and sampling plan”. Below is a short description and preliminary results of the different projects as well as an overview of the samples. Detailed information regarding the sampling can be found in the sample log and protocol for the treatment of the different parameters can be found in the cruise plan.

Participants

#	Name	Institute	Field/Function	e-mail
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3	Olga Pavlova	NPI	Oceanography	olga.pavlova@npolar.no
4	Joseph Wictor	IOPAS	Phytoplankton	wiktor@iopan.gda.pl
5	Agnieszka Tatarek	IOPAS	Phytoplankton	derianna@iopan.gda.pl
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7	Anette Wold	NPI	Zooplankton/Phytoplankton	anette.wold@npolar.no
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10	Kaja Ostaszewska	IOPAS	Zooplankton	kajao@iopan.gda.pl
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13	Lauris Boissonnot	UNIS	Zooplankton	lauris.boissonnot@unis.no
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List of stations

Table 1 List of stations

Area	Station	Latitude	Longitude	Depth(m)	Projects
Kongsfjorden	Kb7	78° 57.98'	12° 22.60'	64	Pelagic
	Kb6	78° 55.81'	12° 23.11'	83	Pelagic
	Kb5	78° 53.79'	12° 26.45'	96	Pelagic
	Kb3	78° 57.24'	11° 57.38'	329	Pelagic; Marine geology
	Mooring				NCAOR Mooring
	Kb2	78° 58.68'	11° 43.91'	330	Pelagic; Marine geology
	Kb1	79° 00.67'	11° 25.66'	352	Pelagic; Marine geology
	Kb0	79° 02.78'	11° 08.36'	315	Pelagic; Marine geology
	V12	78° 58.79'	09° 29.77'	224	Pelagic
	V10	78° 55.96'	08° 32.82'	291	Pelagic
	V6	78° 54.39'	07° 46.24'	1125	Pelagic

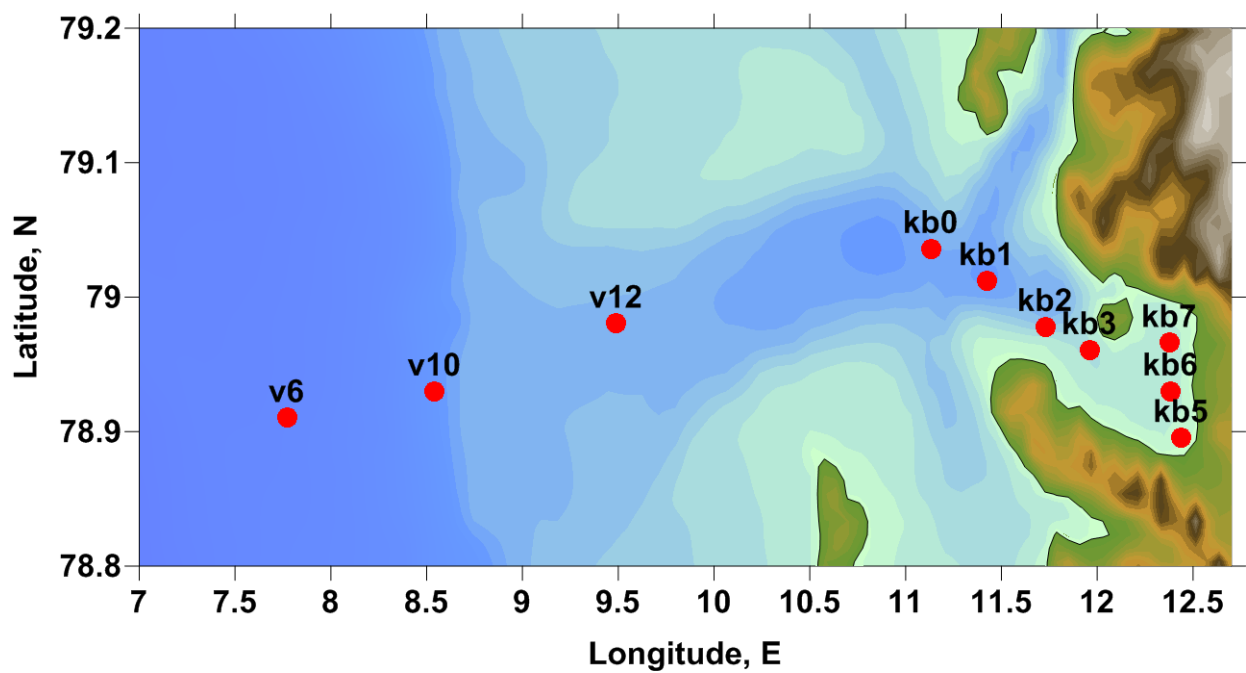


Figure1 CTD station positions

Pelagic survey

Hydrographic survey

Responsible: *Olga Pavlova (NPI) & Jakob Grahn (UiT)*

Instruments

CTD (Seabird SBE 911) was used for collection of vertical profiles of conductivity (salinity), temperature, chlorophyll & radiance. The CTD rosette is also equipped with water sampling bottles.

ADCP (acoustic Doppler current profiler) was used for measuring water currents throughout the water column, by ship-mounted ADCP 150 kHz (upper ~200 m)

Hydrographic structure & Vertical sections

Positions of the CTD stations are presented in Figure 1 and Table 1. The most distinct physical features were the area of high temperature in the surface layer over the slope (V6, V10 and V12) and in the central part of the Kongsfjorden (Kb1, Kb2). Such high temperature in the surface layer can be related with summer heating (Fig. 2). Salinity in the upper layer (0-50 m) is relatively low (Fig. 3). It decreases from 35.1 psu at the western station V6 to 30.3 psu at the eastern stations Kb5-Kb7. Low salinities here can be associated with melting sea ice and glaciers. Below 800 m, in the western part of the transect, the temperatures are negative and hydrography has the typical Arctic Water characteristics. Vertical distribution of fluorescence (Fig. 4) shows that maximum values ($3.5\text{-}4\text{ mg m}^{-3}$) of this characteristic, associated with chlorophyll maximum concentration, are in the layer of 25-30 m (V12, Kb0, Kb1, Kb5). In the other parts of this transect the fluorescence is much lower.

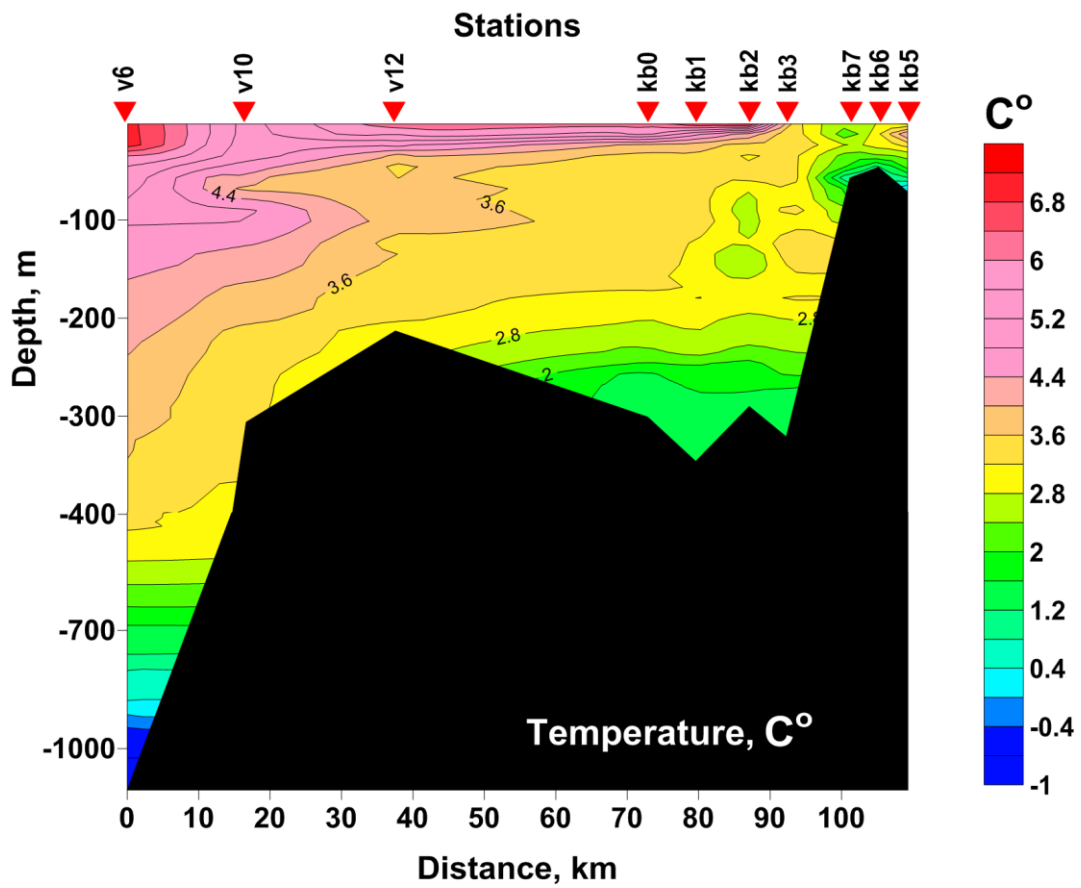


Figure 2 Vertical temperature distribution at the transect in the Kongsfjorden

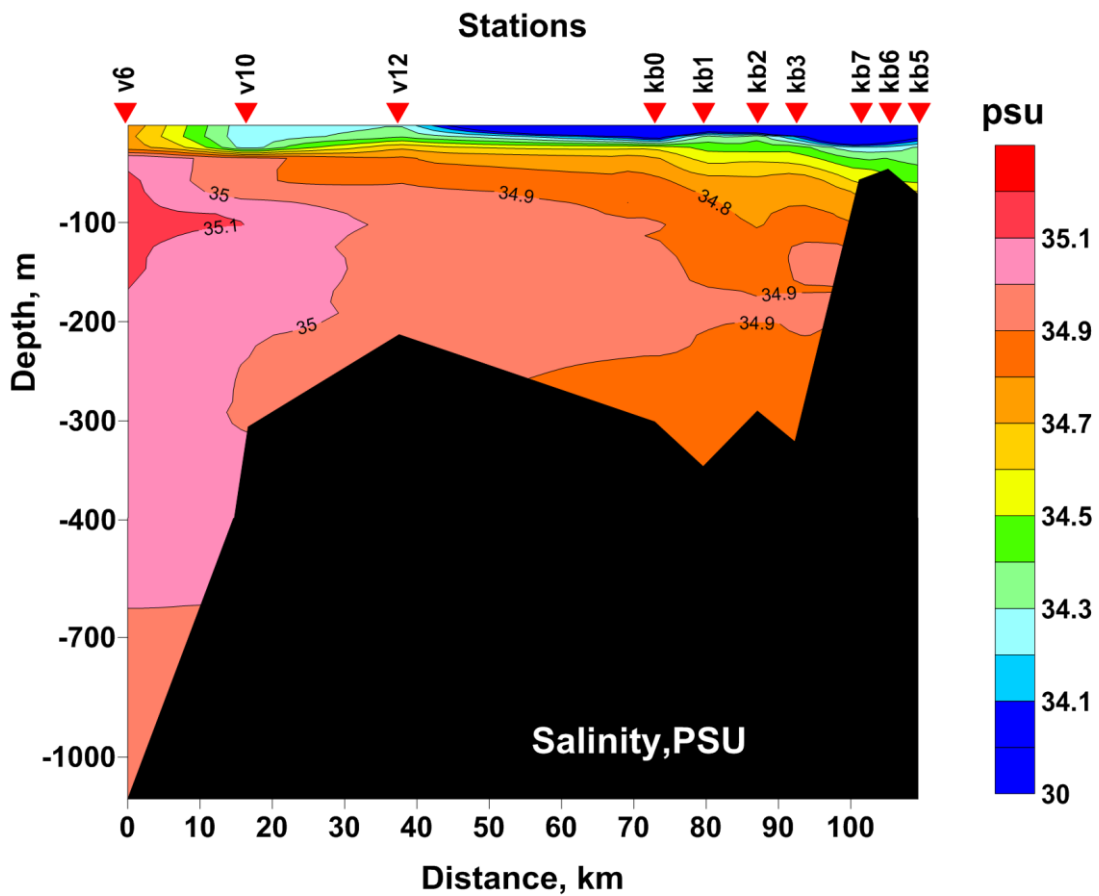


Figure 3 Vertical salinity distribution at the transect in the Kongsfjorden

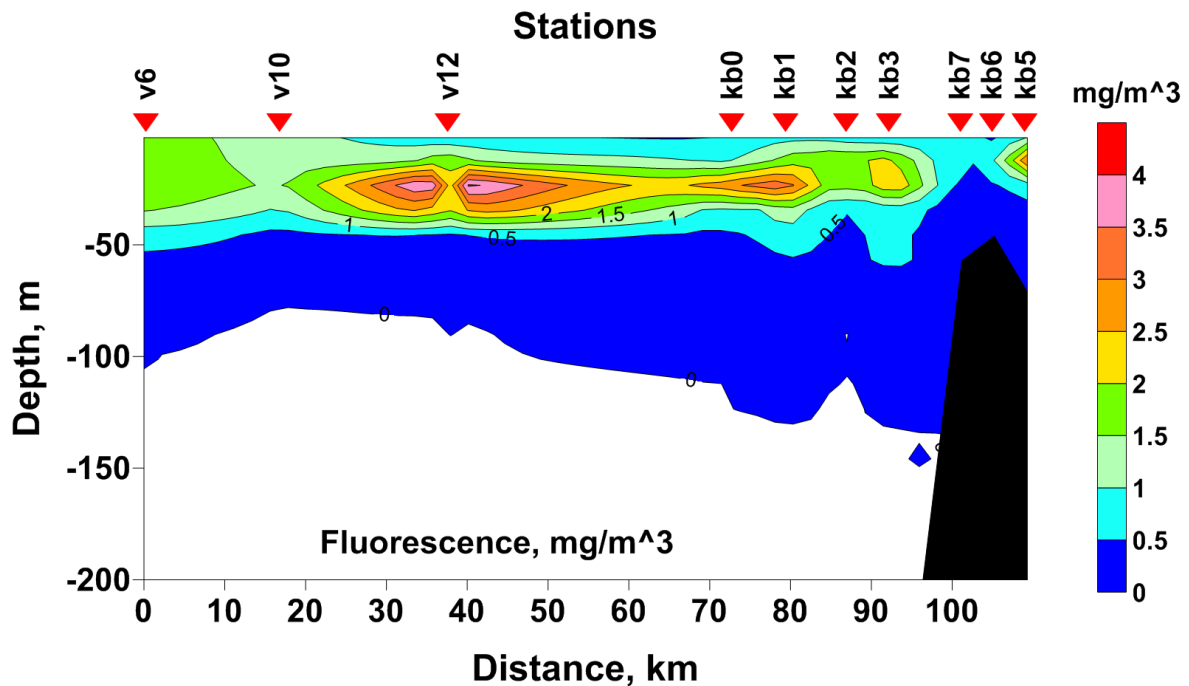


Figure 4 Fluorescence distribution at the transect in the Kongsfjorden

Biogeochemical variables and phytoplankton

Responsible: Jozeph Wictor (IOPAS), Agnieszka Tatarek (IOPAS), Svein Kristiansen (UiT) & Anette Wold (NPI)

Water samples were collected from Niskin bottles from the CTD rosette. Chlorophyll and ammonium samples were analyzed directly on board. Samples for phyto- and microplankton taxonomy will be sent with RV *Oceania* and will be analyzed at IOPAS in Poland. Particulate organic carbon and nitrogen (POC/PTDN) will be analysed at SYKE in Helsinki by Hermanni Kartokallio. Nutrient samples will be analyzed at IMR by Kjell Gundersen.

The chlorophyll concentrations were relative low and ranged from 1 to 5 mg m^{-3} in the upper 40 m (Fig. 5). The highest concentrations were at the shelf outside the fjord at between 20-40m depth. The niskin bottles of the CTD rosette did not work at station V6 so there is no record from this station.

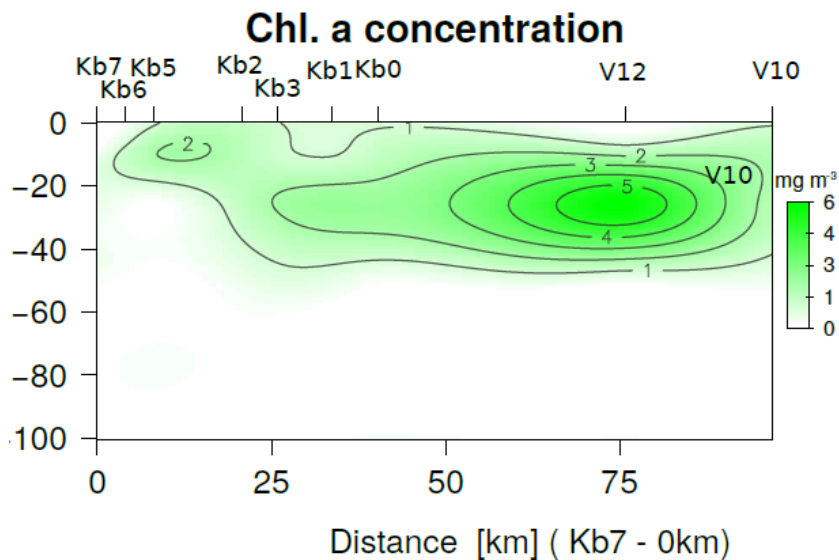


Figure 5 Chlorophyll *a* concentration (mg m^{-3}) in Kongsfjorden from Kb7 to V6 (Note different direction than the other figures)

Ammonium concentrations were high at inner stations and decreased outwards. Preliminary concentrations at stations Kb7, Kb6, Kb5, Kb3 and Kb2 were in the range $2\text{--}3 \text{ mmol m}^{-3}$. The concentrations decreased at station Kb1 and at the subsequent stations (Kb0, V12 and V10). V10 was the last and outermost station sampled and the preliminary concentrations were $<0.5 \text{ mmol m}^{-1}$ in the upper 25 m of the water column.

Zooplankton

Responsible: *Anette Wold (NPI)*

Mesozooplankton was sampled with multiple plankton sampler (MPS, Hydro-Bios Kiel), consisting of five closing nets with 0.25 m^2 opening and $200 \mu\text{m}$ mesh size. Macrozooplankton was sampled with a Midwater Isaak Kit Trawls (MIK) with 3.14 m^2 opening and $1500 \mu\text{m}$ mesh from the total water column. The standard depths for MPS samples was as follows:

Bottom depth $<600\text{m}$; bottom-200m, 200-100m, 100-50m, 50-20m, 20-0m

Bottom depth $>600\text{m}$; bottom-600m, 600-200m, 200-50m, 50-20m, 20-0m

All MPS samples were preserved immediately after sampling and stored on 4% formaldehyde solution buffered with hexamintetrahydrat. The MIK samples were splitted in two, half of the samples were frozen and half were stored on 4% formaldehyde solution. The frozen samples will be sent to Padmini Dalpadado, IMR for examination of gonad status of krill while the taxonomical sampled will be analysed either at NP or at IMR.

The zooplankton community in the inner part of Kongsfjorden was dominated by krill while the *Calanus* was dominating from Kb3 and further out.

Marine geological survey (recent and past ecosystem effects)

The overall aim is to monitor and quantify past and recent ecosystem effects of environment and climate changes. Such information is vital in order to evaluate the full range of the eco- and ocean-climate systems.

Modern monitoring: recent ecosystem effects

Responsible: *Katrine Husum (NPI) & Arto Miettinen (NPI)*

Benthic foraminifera are good monitors of environmental changes because they are very abundant in the surface sediments and very diverse even in Arctic coastal and fjord settings. Furthermore, they have a short life cycle enabling a quick response to changes. After death, the shells of the benthic foraminifera are preserved in the sediment enabling baseline studies of pre-impacted conditions back in time. Annual sampling of benthic foraminifera from 2005 – 2008 show changes in species composition, changes of production and yearly deposited foraminifera reflecting changing water masses (Jernas, 2013). During the cruise the annual monitoring of living benthic foraminifera in Kongsfjorden was continued. However, due to the delayed start of the cruise only four stations were sampled in Kongsfjorden: Kb3, Kb2, Kb1, and Kb0.

Paleoclimate – paleoceanography sampling

Responsible: *Arto Miettinen (NPI) & Katrine Husum (NPI)*

In order to obtain data on temperature, salinity etc. in the water masses from the past when it was not possible to get instrumental measurements of these factors; we study fossil micro-fauna (foraminifera) and micro-flora (diatoms) in the sediments. We also study the chemical composition of the micro-fauna/flora in addition the chemical composition of the sediments (sea ice biomarker IP25 and other structurally similar compounds, collectively called Highly Branched Isoprenoids/HBIs). Their composition and abundance depend on many environmental factors like temperature and salinity of the sea water, thus showing how the marine environment and water masses were back in time (paleo-oceanographic proxy data). This year, station Kb0 was sampled down core for analysis of paleoclimate proxies (benthic foraminifera, diatoms and HBIs).

Additional projects

Ocean Acidification

Responsible: *Agneta Fransson (NPI) & Melissa Chierichi (IMR)*

Investigate the natural calcium carbonate saturation state (Ω) in the area around Svalbard. Influence of water mass composition (Atlantic, polar, fjordwater) and freshwater (glacier, sea-ice and river) on Ω . Distribution of *Calanus*, *Limacina helicina* will be related to Ω state. Pteropods should be collected from Multinet and MIK when present and stored in 95% alcohol

CDOM

Responsible: *Mats Granskog (NPI) & Alexey Pavlov (NPI)*

The main objective is to collect CDOM samples for absorbance and fluorescence characterization of marine dissolved organic matter. This can be used as a proxy for dissolved organic carbon (DOC), and

combined with the other tracers (like ^{18}O and TA) it can also indicate optical properties of water masses. Samples will be collected at all stations along the Kongsfjorden transect, at the same depths as oxygen isotopes, DIC/AT and methane.

Calanus glacialis phenology

Responsible: Kaja Ostaszewska (IOPAS)

The collection of *Calanus glacialis* will be part of the PhD thesis "Zooplankton as the basic food source for bi-environmental birds in the warming Arctic". Samples will be collected from the feeding grounds of little auk at three times during the season, in two different in climate and oceanographic conditions areas (Kongsfjord, Hornsund). The aim is to reveal whether periods of high food requirements for little auk will match the peak of *C. glacialis* development. Samples were collected with a WP2 net at all stations except from Kb6. Samples were fixed with formaldehyde 4%.

Clione limacine

Responsible: Laurisse Boissonnot (UNIS)

The aim was to collect live animals for a subsequent feeding experiment at UNIS. The samples will be taken from 300m to surface with WP3 and MIK net. Animals were sorted out from the MIK net taken for abundance. Additional samples were collected at several stations but few animals were collected and additional sampling will be conducted in Isfjorden and Kongsfjorden later in the summer.

Ocean mooring rig: retrieval and deployment

Responsible: Kesavakumar Balakrishnan (NCAOR)

The Indian mooring team from NCAOR successfully retrieved their ocean mooring rig, which was deployed in 2014 near station Kb3 in Kongsfjorden. It was not possible to deploy it again with new instruments because the necessary wire was missing. This wire had been ordered too late (arrived in Longyearbyen two days after scheduled departure). The new mooring has successfully deployed after this cruise during the NPI Svalbard logistic cruise (Sunday July 19).

Table2 Overview of the pelagic sampling

Parameter	Kb7	Kb6	Kb5	Kb3	Kb2	Kb1	V12	V10	V6	Analyses	Project
CTD											MOSJ
Chlorophyll										On board	
Nutrients										IMR, Kjell Gundersen	
POC /TDN										SYKE, Hermanni Kartokallio	
Phytoplankton taxonomy										IOPAS, Joseph Wictor	
Microplankton taxonomy										IOPAS, Joseph Wictor	
Mesozooplankton taxonomy										IOPAS, Slawek Kwasniewski	
Macrozooplankton taxonomy										IMR, Padmini Dalpadado	
DIC/AT										IMR, Melissa Chierici	Ocean acidification (Agneta Fransson)
Methane											
CDOM											CDOM (Mats Granskog)
Particle absorption											
δ^{18} Oxygen isotopes											
<i>Calanus glacialis</i>										IOPAS, Kaja Ostaszewska	PhD, Kaja Ostaszewska
<i>Clione limacina</i>										Experiement UNIS	PhD, Lauris Boissonnot
Genomics										SYKE, Hermanni Kartokallio	Hermanni Kartokallio

Table 3 Samplelog. Can be downloaded from Norwegian Polar Data (<https://data.npolar.no/marine/biology/>)

Expedition	Sample name	Stn .	Latitude (dec)	Longitude (dec)	Bot. depth (m)	Sampling date (UTC)	Gear	Sampl. depth (m) from	Sampl. depth (m) to	Filtered volume	Sample type	Responsible person	Comment
MOSJ 2015	CTD-01	Kb7	78.966	12.376	70	15.07.2015 01:43	CTD	57	0		CTD	Olga Pavlova	
MOSJ 2015	AMM-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	NUT-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10		250	Particle absorption	Mats Granskog	

MOSJ 2015	PAB-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-06	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	MilliQ		250	Particle absorption	Mats Granskog	
MOSJ 2015	POC-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	57			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-05	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-01	Kb7	78.966	12.376	70	15.07.2015 01:43	Handnet 20µm	20	0		Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-02	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	25		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-03	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	10		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-04	Kb7	78.966	12.376	70	15.07.2015 01:43	Niskin	5		14	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-01	Kb7	78.966	12.376	70	15.07.2015 02:30	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-02	Kb7	78.966	12.376	70	15.07.2015 02:30	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-03	Kb7	78.966	12.376	70	15.07.2015 02:30	MIK	45	0		Zooplankton taxonomy	Anette Wold	Split in two. 1/2 sample formaldehyfe & 1/2 sample frozen
MOSJ 2015	Kaja-1	Kb7	78.966	12.376	70	15.07.2015 03:00	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
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MOSJ 2015	AMM-06	Kb6	78.930	12.376	54	15.07.2015	Niskin	45.8			Ammonium	Svein Kristiansen	

						03:58							
MOSJ 2015	AMM-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-08	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	NUT-06	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	45.8			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-08	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-06	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	45.8			Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-08	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	10			Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	45.8			Particle absorption	Mats Granskog	
MOSJ 2015	PAB-08	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			Particle absorption	Mats Granskog	
MOSJ 2015	PAB-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	10			Particle absorption	Mats Granskog	
MOSJ 2015	PAB-10	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			Particle absorption	Mats Granskog	
MOSJ 2015	PAB-11	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	MilliQ			Particle absorption	Mats Granskog	
MOSJ 2015	POC-06	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	45.8			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-08	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	10			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-06	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	45.8			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-07	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-08	Kb6	78.930	12.376	54	15.07.2015	Niskin	10			Phytoplankton	Joseph Wictor ; Anette	

						03:58					taxonomy	Wold	
MOSJ 2015	PHT-09	Kb6	78.930	12.376	54	15.07.2015 03:58	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-05	Kb6	78.930	12.376	54	15.07.2015 03:58	Handnet 20µm	20	0		Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-04	Kb6	78.930	12.376	54	15.07.2015 04:30	Multinet 200µm	40	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-05	Kb6	78.930	12.376	54	15.07.2015 04:30	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-06	Kb6	78.930	12.376	54	15.07.2015 04:50	MIK	40	0		Zooplankton taxonomy	Anette Wold	Splitt in two. 1/2 sample formaldehyfe & 1/2 sample frozen
MOSJ 2015	CTD-03	Kb5	78.895	12.438	80	15.07.2015 00:00	CTD				CTD	Olga Pavlova	
MOSJ 2015	MET-01	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			Methane	Agneta Fransson	
MOSJ 2015	MET-02	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-03	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-04	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-05	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-01	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-02	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-03	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-04	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-05	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-10	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-11	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			Ammonium	Svein Kristiansen	

MOSJ 2015	CDO-01	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			CDOM	Mats Granskog	
MOSJ 2015	CDO-02	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-03	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-04	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-05	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-01	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-02	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-03	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-04	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-05	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	NUT-10	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-11	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-10	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-11	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25		250	Particle absorption	Mats Granskog	

MOSJ 2015	PAB-15	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-16	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-17	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	MilliQ		250	Particle absorption	Mats Granskog	
MOSJ 2015	POC-10	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-11	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5		300	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-10	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	70			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-11	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-12	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-13	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-14	Kb5	78.895	12.438	80	15.07.2015 05:24	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-06	Kb5	78.895	12.438	80	15.07.2015 05:24	Handnet 20µm	20	0		Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-07	Kb5	78.897	12.440	76	15.07.2015 06:30	Multinet 200µm	65	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-08	Kb5	78.897	12.440	76	15.07.2015 06:30	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-09	Kb5	78.897	12.440	76	15.07.2015 06:30	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	Splitt in two. 1/2 sample formaldehyfe & 1/2 sample frozen
MOSJ 2015	ZOT-10	Kb5	78.897	12.440	76	15.07.2015 07:00	MIK	50	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	Kaja-2	Kb5	78.897	12.440	76	15.07.2015 07:30	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
MOSJ 2015	CTD-04	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320	0		CTD	Olga Pavlova	
MOSJ 2015	MET-06	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			Methane	Agneta Fransson	
MOSJ 2015	MET-07	Kb3	78.960	11.960	327	15.07.2015	CTD	200			Methane	Agneta Fransson	

						09:11							
MOSJ 2015	MET-08	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			Methane	Agneta Fransson	
MOSJ 2015	MET-09	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			Methane	Agneta Fransson	
MOSJ 2015	MET-10	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			Methane	Agneta Fransson	
MOSJ 2015	MET-11	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			Methane	Agneta Fransson	
MOSJ 2015	MET-12	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-06	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-07	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-08	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-09	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-10	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-11	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-12	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-15	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-16	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-17	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-20	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-21	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-06	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			CDOM	Mats Granskog	
MOSJ 2015	CDO-07	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200			CDOM	Mats Granskog	
MOSJ 2015	CDO-08	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-09	Kb3	78.960	11.960	327	15.07.2015	CTD	50			CDOM	Mats Granskog	

						09:11							
MOSJ 2015	CDO-10	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-11	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-12	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-06	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-07	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-08	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-09	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-10	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-11	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-12	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			δ18 Oxygen	Mats Granskog	
MOSJ 2015	NUT-15	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-16	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-17	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-20	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-21	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-15	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-16	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-17	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-20	Kb3	78.960	11.960	327	15.07.2015	CTD	10		250	Pigments	Joseph Wictor ; Anette	

						09:11						Wold	
MOSJ 2015	CHL-21	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-20	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-21	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-22	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-23	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-24	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-25	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	MilliQ		250	Particle absorption	Mats Granskog	
MOSJ 2015	POC-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	320		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	200		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-15	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-16	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-17	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-20	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-21	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-15	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	100			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-16	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-17	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-18	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-19	Kb3	78.960	11.960	327	15.07.2015 09:11	CTD	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-07	Kb3	78.960	11.960	327	15.07.2015 09:11	Handnet 20µm	20	0		Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-10	Kb3	78.962	11.960	316	15.07.2015	Niskin	25		24	Microplankton	Joseph Wictor ; Anette	

						11:51					taxonomy	Wold	
MOSJ 2015	MIT-09	Kb3	78.962	11.960	316	15.07.2015 11:51	Niskin	18		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-08	Kb3	78.962	11.960	316	15.07.2015 11:51	Niskin	5		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-11	Kb3	78.962	11.960	326	15.07.2015 11:45	Multinet 200µm	310	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-12	Kb3	78.962	11.960	326	15.07.2015 11:45	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-13	Kb3	78.962	11.960	326	15.07.2015 11:45	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-14	Kb3	78.962	11.960	326	15.07.2015 11:45	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-15	Kb3	78.962	11.960	326	15.07.2015 11:45	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-16	Kb3	78.962	11.960	326	15.07.2015 11:45	MIK	300	0		Zooplankton taxonomy	Anette Wold	Splitt in two. 1/2 sample formaldehyfe & 1/2 sample frozen
MOSJ 2015	Kaja-3	Kb3	78.962	11.960	326	15.07.2015 12:00	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
MOSJ 2015	CTD-05	Kb2	78.978	11.733	300	15.07.2015 13:30	CTD	290	0		CTD	Olga Pavlova	
MOSJ 2015	MET-13	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			Methane	Agneta Fransson	
MOSJ 2015	MET-14	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			Methane	Agneta Fransson	
MOSJ 2015	MET-15	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			Methane	Agneta Fransson	
MOSJ 2015	MET-16	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-17	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-18	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-19	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-13	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-14	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-15	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-16	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			DIC/AT	Agneta Fransson	

MOSJ 2015	DIC-17	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-18	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-19	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-22	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-23	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-24	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-25	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-26	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-27	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-28	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-13	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			CDOM	Mats Granskog	
MOSJ 2015	CDO-14	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			CDOM	Mats Granskog	
MOSJ 2015	CDO-15	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-16	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-17	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-18	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-19	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-13	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-14	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-15	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-16	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-17	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-18	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			δ^{18} Oxygen	Mats Granskog	

MOSJ 2015	OXY-19	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			δ18 Oxygen	Mats Granskog	
MOSJ 2015	NUT-22	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-23	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-24	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-25	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-26	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-27	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-28	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-22	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-23	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-24	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-25	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-26	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-27	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-28	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-26	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-27	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-28	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-29	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-30	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-31	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-32	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-33	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	MilliQ		300	Particle absorption	Mats Granskog	

MOSJ 2015	POC-22	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	290		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-23	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	200		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-24	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-25	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-26	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-27	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-28	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-20	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	100			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-21	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-22	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-23	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-24	Kb2	78.978	11.733	300	15.07.2015 13:30	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-11	Kb2	78.978	11.733	300	15.07.2015 13:30	Handnet 20µm	20	0		Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-12	Kb2	78.978	11.722	302	15.07.2015 16:20	Niskin	25		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-13	Kb2	78.978	11.733	300	15.07.2015 16:20	Niskin	15		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-17	Kb2	78.978	11.733	300	15.07.2015 13:30	Multinet 200µm	250	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-18	Kb2	78.978	11.733	300	15.07.2015 13:30	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-19	Kb2	78.978	11.733	300	15.07.2015 13:30	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-20	Kb2	78.978	11.733	300	15.07.2015 13:30	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-21	Kb2	78.978	11.733	300	15.07.2015 13:30	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-22	Kb2	78.978	11.733	300	15.07.2015 13:30	MIK	250	0		Zooplankton taxonomy	Anette Wold	Took out 7 Clione limacina
MOSJ 2015	Kaja-4	Kb2	78.978	11.733	300	15.07.2015 14:00	WP2 200µm				Zooplankton taxonomy		
MOSJ 2015	CTD-06	Kb1	79.036	11.133	309	15.07.2016	CTD	346	0		CTD	Olga Pavlova	

						23:19							
MOSJ 2015	MET-20	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			Methane	Agneta Fransson	
MOSJ 2015	MET-21	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	200			Methane	Agneta Fransson	
MOSJ 2015	MET-22	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			Methane	Agneta Fransson	
MOSJ 2015	MET-23	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-24	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-25	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-26	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-20	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-21	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	200			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-22	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-23	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-24	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-25	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-26	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-29	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-30	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	200			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-31	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-32	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-33	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-34	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-35	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-20	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			CDOM	Mats Granskog	
MOSJ 2015	CDO-21	Kb1	79.012	11.423	346	15.07.2015	Niskin	200			CDOM	Mats Granskog	

						18:22							
MOSJ 2015	CDO-22	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-23	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-24	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-25	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-26	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-20	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-21	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	200			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-22	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-23	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-24	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-25	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-26	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			δ18 Oxygen	Mats Granskog	
MOSJ 2015	NUT-29	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-30	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	200			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-31	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-32	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-33	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-34	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-35	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-29	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100		300	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-30	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50		300	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-31	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25		300	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-32	Kb1	79.012	11.423	346	15.07.2015	Niskin	10		300	Pigments	Joseph Wictor ; Anette	

						18:22						Wold	
MOSJ 2015	CHL-33	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5		300	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-34	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-35	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-36	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-37	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-38	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-39	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	MilliQ		250	Particle absorption	Mats Granskog	
MOSJ 2015	POC-29	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-30	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-31	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-32	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-33	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-25	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	100			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-26	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-27	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-28	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-29	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	Hermanii	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	5				Hermanii Kartokallio	
MOSJ 2015	Hermanii	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	50				Hermanii Kartokallio	
MOSJ 2015	Hermanii	Kb1	79.012	11.423	346	15.07.2015 18:22	Niskin	346				Hermanii Kartokallio	
MOSJ 2015	MIT-14	Kb1	79.012	11.427	338	15.07.2015 21:18	Niskin	25		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-15	Kb1	79.012	11.427	338	15.07.2015 21:18	Niskin	15		24	Microplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	MIT-16	Kb1	79.012	11.427	338	15.07.2015	Niskin	5		24	Microplankton	Joseph Wictor ; Anette	

						21:18					taxonomy	Wold	
MOSJ 2015	ZOT-23	Kb1	79.012	11.427	338	15.07.2015 23:00	Multinet 200µm	335	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-24	Kb1	79.012	11.427	338	15.07.2015 23:00	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-25	Kb1	79.012	11.427	338	15.07.2015 23:00	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-26	Kb1	79.012	11.427	338	15.07.2015 23:00	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-27	Kb1	79.012	11.427	338	15.07.2015 23:00	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-28	Kb1	79.012	11.427	338	15.07.2015 23:30	MIK	300	0		Zooplankton taxonomy	Anette Wold	1/8 of sample on formaldehyd & 1/8 of sample frozen
MOSJ 2015	Kaja-5	Kb1	79.012	11.427	338	15.07.2015 23:30	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
MOSJ 2015	CTD-07	Kb0	79.036	11.133	309	15.07.2016 23:19	CTD	300			CTD	Olga Pavlova	
MOSJ 2015	MET-27	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	300			Methane	Agneta Fransson	
MOSJ 2015	MET-28	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			Methane	Agneta Fransson	
MOSJ 2015	MET-29	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			Methane	Agneta Fransson	
MOSJ 2015	MET-30	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-31	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-32	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-33	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-27	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	300			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-28	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-29	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-30	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-31	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-32	Kb0	79.036	11.133	309	15.07.2016	Niskin	10			DIC/AT	Agneta Fransson	

						23:19							
MOSJ 2015	DIC-33	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-36	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	300			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-37	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-38	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-39	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-40	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-41	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-42	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-27	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	300			CDOM	Mats Granskog	
MOSJ 2015	CDO-28	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			CDOM	Mats Granskog	
MOSJ 2015	CDO-29	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-30	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-31	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-32	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-33	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-27	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	300			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-28	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-29	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-30	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-31	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-32	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-33	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	NUT-36	Kb0	79.036	11.133	309	15.07.2016	Niskin	300			Nutrients	Joseph Wictor ; Anette	

						23:19						Wold	
MOSJ 2015	NUT-37	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	200			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-38	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-39	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-40	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-41	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-42	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-34	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-35	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-36	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-37	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-38	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-40	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-41	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-42	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-43	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-44	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-45	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	MilliQ		250	Particle absorption	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-35	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-36	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-37	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-38	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-39	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-40	Kb0	79.036	11.133	309	15.07.2016	Niskin	MilliQ		250	POC/TDN	Joseph Wictor ; Anette	

						23:19						Wold	
MOSJ 2015	PHT-30	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	100		250	Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-31	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	50		250	Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-32	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	25		250	Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-33	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	10		250	Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-34	Kb0	79.036	11.133	309	15.07.2016 23:19	Niskin	5		250	Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	ZOT-29	Kb0	79.037	11.128	310	16.07.2015 01:20	Multinet 200µm	280	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-30	Kb0	79.037	11.128	310	16.07.2015 01:20	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-31	Kb0	79.037	11.128	310	16.07.2015 01:20	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-32	Kb0	79.037	11.128	310	16.07.2015 01:20	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-33	Kb0	79.037	11.128	310	16.07.2015 01:20	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-34	Kb0	79.038	11.134	309	16.07.2015 02:55	MIK	270	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	Kaja-6	Kb0	79.038	11.134	309	16.07.2015 02:55	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
MOSJ 2015	CTD-08	V12	78.980	9.492	220	16.07.2015 05:16	CTD	212			CTD	Olga Pavlova	
MOSJ 2015	MET-34	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			Methane	Agneta Fransson	
MOSJ 2015	MET-35	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			Methane	Agneta Fransson	
MOSJ 2015	MET-36	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-37	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-38	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-34	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-35	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-36	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-37	V12	78.980	9.492	220	16.07.2015	Niskin	25			DIC/AT	Agneta Fransson	

						05:16							
MOSJ 2015	DIC-38	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-43	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-44	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-45	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-46	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-47	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-48	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-34	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			CDOM	Mats Granskog	
MOSJ 2015	CDO-35	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-36	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-37	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-38	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-34	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-35	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-36	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-37	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-38	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	OXY-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			δ^{18} Oxygen	Mats Granskog	
MOSJ 2015	NUT-43	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-44	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-45	V12	78.980	9.492	220	16.07.2015	Niskin	50			Nutrients	Joseph Wictor ; Anette	

						05:16						Wold	
MOSJ 2015	NUT-46	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-47	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-48	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-40	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-41	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-42	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-43	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-46	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-47	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-48	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-49	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10		250	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-50	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5		250	Particle absorption	Mats Granskog	
MOSJ 2015	POC-41	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-42	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-43	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-44	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	10		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-45	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-46	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	MilliQ			POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-35	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	100			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-36	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-37	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-38	V12	78.980	9.492	220	16.07.2015	Niskin	10			Phytoplankton	Joseph Wictor ; Anette	

						05:16					taxonomy	Wold	
MOSJ 2015	PHT-39	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	Hermanii	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	5				Hermanii Kartokallio	
MOSJ 2015	Hermanii	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	50				Hermanii Kartokallio	
MOSJ 2015	Hermanii	V12	78.980	9.492	220	16.07.2015 05:16	Niskin	212				Hermanii Kartokallio	
MOSJ 2015	ZOT-35	V12	78.980	9.494	220	16.07.2015 06:55	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-36	V12	78.980	9.494	220	16.07.2015 06:55	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-37	V12	78.980	9.494	220	16.07.2015 06:55	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-38	V12	78.980	9.494	220	16.07.2015 06:55	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-39	V12	78.980	9.494	220	16.07.2015 07:45	MIK	190	0		Zooplankton taxonomy	Anette Wold	1/2 sample on frmaldehyde & 1/2 sample frozen
MOSJ 2015	CTD-09	V10	78.929	8.542	306	16.07.2015 23:11	CTD	300	0		CTD	Olga Pavlova	
MOSJ 2015	MET-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			Methane	Agneta Fransson	
MOSJ 2015	MET-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			Methane	Agneta Fransson	
MOSJ 2015	MET-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			Methane	Agneta Fransson	
MOSJ 2015	MET-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			Methane	Agneta Fransson	
MOSJ 2015	MET-44	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			Methane	Agneta Fransson	
MOSJ 2015	MET-45	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			Methane	Agneta Fransson	
MOSJ 2015	MET-46	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			Methane	Agneta Fransson	
MOSJ 2015	DIC-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			DIC/AT	Agneta Fransson	

MOSJ 2015	DIC-44	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-45	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			DIC/AT	Agneta Fransson	
MOSJ 2015	DIC-46	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			DIC/AT	Agneta Fransson	
MOSJ 2015	AMM-49	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-50	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-51	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-52	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-53	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-54	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			Ammonium	Svein Kristiansen	
MOSJ 2015	AMM-55	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			Ammonium	Svein Kristiansen	
MOSJ 2015	CDO-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			CDOM	Mats Granskog	
MOSJ 2015	CDO-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			CDOM	Mats Granskog	
MOSJ 2015	CDO-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			CDOM	Mats Granskog	
MOSJ 2015	CDO-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			CDOM	Mats Granskog	
MOSJ 2015	CDO-44	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			CDOM	Mats Granskog	
MOSJ 2015	CDO-45	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			CDOM	Mats Granskog	
MOSJ 2015	CDO-46	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			CDOM	Mats Granskog	
MOSJ 2015	OXY-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-44	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			δ18 Oxygen	Mats Granskog	
MOSJ 2015	OXY-45	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			δ18 Oxygen	Mats Granskog	

MOSJ 2015	OXY-46	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			δ18 Oxygen	Mats Granskog	
MOSJ 2015	NUT-49	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-50	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	200			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-51	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-52	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-53	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-54	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	NUT-55	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			Nutrients	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-39	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	CHL-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5		250	Pigments	Joseph Wictor ; Anette Wold	
MOSJ 2015	PAB-53	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-54	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-55	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-56	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-57	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5		300	Particle absorption	Mats Granskog	
MOSJ 2015	PAB-58	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	MilliQ		300	Particle absorption	Mats Granskog	
MOSJ 2015	POC-47	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-48	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-49	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	POC-50	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10		250	POC/TDN	Joseph Wictor ; Anette Wold	

MOSJ 2015	POC-51	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5		250	POC/TDN	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-40	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	100			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-41	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-42	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	25			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-43	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	10			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	PHT-44	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5			Phytoplankton taxonomy	Joseph Wictor ; Anette Wold	
MOSJ 2015	Hermanii	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	5				Hermanii Kartokallio	
MOSJ 2015	Hermanii	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	50				Hermanii Kartokallio	
MOSJ 2015	Hermanii	V10	78.929	8.542	306	16.07.2015 23:11	Niskin	300				Hermanii Kartokallio	
MOSJ 2015	ZOT-40	V10	78.9205	8.3935	301	16.05.2015 23:40	Multinet 200µm	260	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-41	V10	78.9205	8.3935	301	16.05.2015 23:40	Multinet 200µm	200	100		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-42	V10	78.9205	8.3935	301	16.05.2015 23:40	Multinet 200µm	100	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-43	V10	78.9205	8.3935	301	16.05.2015 23:40	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-44	V10	78.9205	8.3935	301	16.05.2015 23:40	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-45	V10	78.9205	8.3935	322	16.05.2015 23:40	MIK	290	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	Kaja-7	V10	78.9205	8.3935	322	16.05.2015 23:40	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	
MOSJ 2015	CTD-10	V6	78.908	7.772	1114	17.07.2015 02:10	CTD	1100	0		CTD	Olga Pavlova	CTD stopped working on the way up. No water collected at this station
MOSJ 2015	ZOT-46	V6	78.911	7.751	1118	17.07.2015 03:06	Multinet 200µm	1050	600		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-47	V6	78.911	7.751	1118	17.07.2015 03:06	Multinet 200µm	600	200		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-48	V6	78.911	7.751	1118	17.07.2015 03:06	Multinet 200µm	200	50		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-49	V6	78.911	7.751	1118	17.07.2015 03:06	Multinet 200µm	50	20		Zooplankton taxonomy	Anette Wold	

MOSJ 2015	ZOT-50	V6	78.911	7.751	1118	17.07.2015 03:06	Multinet 200µm	20	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	ZOT-51	V6	78.911	7.751	1118	17.07.2015 03:06	MIK	1050	0		Zooplankton taxonomy	Anette Wold	
MOSJ 2015	Kaja-8	V6	78.911	7.751	1118	17.07.2015 04:00	WP2 200µm	50	0		Zooplankton taxonomy	Kaja Ostaszewska	

Table 4 Samplelog for Multicores MOSJ 2015

Project	Sample no	Comment	Number of samples	Area
MOSJ	NP15-Kb3-MC-A	surface samples	2	Kongsfjord
MOSJ	NP15-Kb3-MC-C	surface samples	1	Kongsfjord
MOSJ	NP15-Kb3-MC-D	surface samples	1	Kongsfjord
MOSJ	NP15-Kb2-MC-A	surface samples	2	Kongsfjord
MOSJ	NP15-Kb2-MC-C	surface samples	1	Kongsfjord
MOSJ	NP15-Kb2-MC-D	surface samples	1	Kongsfjord
MOSJ	NP15-Kb1-MC-A	surface samples	2	Kongsfjord
MOSJ	NP15-Kb1-MC-C	surface samples	1	Kongsfjord
MOSJ	NP15-Kb1-MC-D	surface samples	1	Kongsfjord
MOSJ	NP15-Kb0-MC-A	surface and paleo samples	37	Kongsfjord
MOSJ	NP15-Kb0-MC-B	surface and paleo samples	49	Kongsfjord
MOSJ	NP15-Kb0-MC-C	surface and paleo samples	37	Kongsfjord
MOSJ	NP15-Kb0-MC-D	surface samples	1	Kongsfjord
			136	