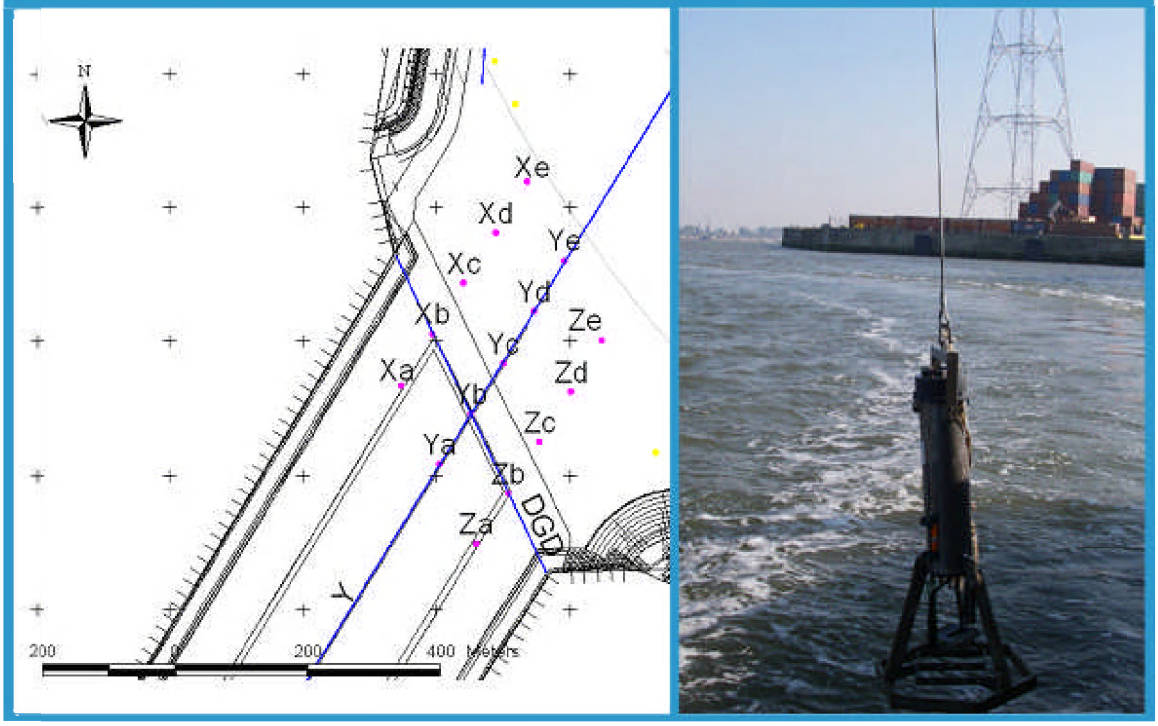
VLAAMSE OVERHEID
DEPARTEMENT MOBILITEIT EN OPENBARE WERKEN

WATERBOUWKUNDIG LABORATORIUM

Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing

Bestek 16EB/05/04

Measurement locations Deurganckdok (left) & SiltProfiler (right)



Deelrapport 2.15: 13u-meting SiltProfiler 12 maart 2008
Ingang Deurganckdok

Report 2.15: Through Tide Measurement SiltProfiler 12 March 2008
At the entrance Deurganckdok

12 August 2008

I/RA/11283/07.091/MSA

i.s.m. &

International Marine and Dredging Consultants (IMDC)
Wilrijkstraat 37-45 Bus 4 - 2140 Antwerpen – België
tel: +32.3.270.92.95 - fax: +32.3.235.67.11
E-mail : info@imdc.be

Document Control Sheet

Document Identification

Title:	Deelrapport 2.15: 13u meting SiltProfiler 12 maart 2008 – Ingang Deurganckdok
Project:	Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing
Client	Waterbouwkundig Laboratorium
File reference:	I/RA/11283/07.091/MSA
File name	K:\PROJECTS\11\11283 - Opvolging aanslibbing dgd\10-Rap\DGD2\2_15_RA07091_13h_SiltProfiler_080312\2_15_RA07091_SiltProfiler_12mrt2008_v20.doc

Revisions

Version	Date	Author	Description
2.0	12/08/08	JCA	Final report
1.0	30/06/08	JCA	Concept

Distribution List

Name	# ex.	Company/authorities	Position in reference to the project
Joris Vanlede	7	Waterbouwkundig Laboratorium	Client
Frederik Roose	3	Afdeling Maritieme Toegang	Client

Approval

Version	Date	Author	Project manager	Commissioner
2.0	12/08/08	JCA	MBO	MSA
1.0	30/06/08	JCA	MBO	MSA

TABLE OF CONTENTS

1. INTRODUCTION 1

1.1. THE ASSIGNMENT 1
1.2. PURPOSE OF THE STUDY 1
1.3. OVERVIEW OF THE STUDY 2
1.3.1. Reports 2
1.3.2. Measurement actions 3
1.4. STRUCTURE OF THE REPORT 4

2. THE MEASUREMENT CAMPAIGN 5

2.1. OVERVIEW OF THE STUDIED PARAMETERS 5
2.2. DESCRIPTION OF THE MEASUREMENT CAMPAIGN 8
2.3. THE EQUIPMENT 9
2.3.1. SiltProfiler 9
2.3.2. CTD-Diver 10

3. COURSE OF THE MEASUREMENTS 11

3.1. MEASUREMENT PERIODS 11
3.2. HYDRO-METEOROLOGICAL CONDITIONS DURING THE MEASUREMENT CAMPAIGN 11
3.2.1. Vertical tide during the measurements 11
3.2.2. Meteorological data 12
3.3. NAVIGATION INFORMATION 12
3.4. REMARKS ON DATA 13

4. PROCESSING OF DATASETS 14

4.1. CALIBRATION OF THE TURBIDITY SENSORS 14
4.2. METHODOLOGY OF PROCESSING THE SILTPROFILER DATA 14
4.3. TIMESERIES, DEPTH AVERAGES AND TRANSECTS 15

5. PRELIMINARY ANALYSIS OF THE DATA 16

6. REFERENCES 17

APPENDICES

APPENDIX A. MEASUREMENT EQUIPMENT 23

APPENDIX B. OVERVIEW OF MEASUREMENTS 25

B.1 OVERVIEW OF THE MEASUREMENT LOCATIONS FOR THE WHOLE HCBS2 AND DEURGANCKDOK MEASUREMENT CAMPAIGN 26
B.2 OVERVIEW OF ALL MEASUREMENT LOCATIONS HCBS AND DEURGANCKDOK MEASUREMENT CAMPAIGN 30

APPENDIX C. TIDAL DATA 31

APPENDIX D. NAVIGATION INFORMATION AS RECORDED ON SITE 33

APPENDIX E. UNESCO PPS-78 FORMULA FOR CALCULATING SALINITY 38

APPENDIX F. SILTPROFILER GRAPHS 40

F.1 LOCATION XA 41
F.2 LOCATION XB 48
F.3 LOCATION XC 55
F.4 LOCATION XD 62
F.5 LOCATION XE 69
F.6 LOCATION YA 76
F.7 LOCATION YB 83
F.8 LOCATION YC 90
F.9 LOCATION YD 97
F.10 LOCATION YE 104
F.11 LOCATION ZA 111
F.12 LOCATION ZB 118
F.13 LOCATION ZC 125
F.14 LOCATION ZD 132
F.15 LOCATION ZE 139

APPENDIX G. DEPTH AVERAGE FIGURES AND TABLES 146

G.1 TABLES 147
G.2 FIGURES 155

APPENDIX H. TIMESERIES 171

APPENDIX I. TRANSECT SUSPENDED SEDIMENT CONCENTRATION DISTRIBUTION 187

APPENDIX J. OVERVIEW OF HCBS2 AND OPVOLGING AANSLIBBING DEURGANCKDOK REPORTS 224

LIST OF TABLES

TABLE 1-1: OVERVIEW OF DEURGANCKDOK REPORTS BETWEEN APRIL 2007 TILL MARCH 2008 2
TABLE 2-1: POSITIONS OF THE MEASUREMENT POINTS FOR MARCH 12TH 2008 AT THE ENTRANCE OF DEURGANCKDOK. 9
TABLE 3-1: HIGH AND LOW TIDE AT LIEFKENSHOEK TIDAL GAUGE ON 12/03/2008 11
TABLE 3-2: COMPARISON OF THE TIDAL CHARACTERISTICS OF 12/03/2008 WITH THE AVERAGE TIDE, THE AVERAGE NEAP TIDE AND THE AVERAGE SPRING TIDE OVER THE DECADE 1991-2000 FOR LIEFKENSHOEK. 12

LIST OF FIGURES

FIGURE 2-1: ELEMENTS OF THE SEDIMENT BALANCE 5
FIGURE 2-2: DETERMINING A SEDIMENT BALANCE 6
FIGURE 2-3: TRANSPORT MECHANISMS 7
FIGURE 2-4: MAP OF THE MEASUREMENT LOCATIONS IN THE VICINITY OF DEURGANCKDOK 8
FIGURE 2-5: HIGH RESOLUTION SILTPROFILER 10
FIGURE 4-1: EXAMPLE OF METHODOLOGY USED FOR THE TRANSITION OF SEAPOINT TO LONG RANGE SENSOR FOR A GIVEN PROFILE 14

1. INTRODUCTION

1.1. The assignment

This report is part of the set of reports describing the results of the long-term measurements This report is part of the set of reports describing the results of the long-term measurements conducted in Deurganckdok aiming at the monitoring and analysis of silt accretion. This measurement campaign is an extension of the study "Extension of the study about density currents in the Beneden Zeeschelde" as part of the Long Term Vision for the Scheldt estuary. It is complementary to the study 'Field measurements high-concentration benthic suspensions (HCBS 2)'.

The terms of reference for this study were prepared by the 'Departement Mobiliteit en Openbare Werken van de Vlaamse Overheid, Afdeling Waterbouwkundig Laboratorium' (16EB/05/04). The repetition of this study was awarded to International Marine and Dredging Consultants NV in association with WL|Delft Hydraulics and Gems International on 10/01/2006. The project term was prolonged with an extra year from April 2007 till March 2008.

Waterbouwkundig Laboratorium– Cel Hydrometrie Schelde provided data on discharge, tide, salinity and turbidity along the river Scheldt and provided survey vessels for the long term and through tide measurements. Afdeling Maritieme Toegang provided maintenance dredging data. Agentschap voor Maritieme Dienstverlening en Kust – Afdeling Kust and Port of Antwerp provided depth sounding measurements.

The execution of the study involves a twofold assignment:

- Part 1: Setting up a sediment balance of Deurganckdok covering a period of one year, i.e. 04/2007 – 03/2008
- Part 2: An analysis of the parameters contributing to siltation in Deurganckdok

1.2. Purpose of the study

The Lower Sea Scheldt (Beneden Zeeschelde) is the stretch of the Scheldt estuary between the Belgium-Dutch border and Rupelmonde, where the entrance channels to the Antwerp sea locks are located. The navigation channel has a sandy bed, whereas the shallower areas (intertidal areas, mud flats, salt marshes) consist of sandy clay or even pure mud sometimes. This part of the Scheldt is characterized by large horizontal salinity gradients and the presence of a turbidity maximum with depth-averaged concentrations ranging from 50 to 500 mg/l at grain sizes of 60 - 100 μm. The salinity gradients generate significant density currents between the river and the entrance channels to the locks, causing large siltation rates. It is to be expected that in the near future also the Deurganckdok will suffer from such large siltation rates, which may double the amount of dredging material to be dumped in the Lower Sea Scheldt.

Results from the study may be interpreted by comparison with results from the HCBS and HCBS2 studies covering the whole Lower Sea Scheldt. These studies included through-tide measurement campaigns in the vicinity of Deurganckdok and long term measurements of turbidity and salinity in and near Deurganckdok.

The first part of the study focuses on obtaining a sediment balance of Deurganckdok. Aside from natural sedimentation, the sediment balance is influenced by the maintenance and capital dredging works. This involves sediment influx from capital dredging works in the Deurganckdok, and internal relocation and removal of sediment by maintenance dredging works. To compute a sediment balance an inventory of bathymetric data (depth soundings), density measurements of the

deposited material and detailed information of capital and maintenance dredging works will be made up.

The second part of the study is to gain insight in the mechanisms causing siltation in Deurganckdok, it is important to follow the evolution of the parameters involved, and this on a long and short term basis (long term & through-tide measurements). Previous research has shown the importance of water exchange at the entrance of Deurganckdok is essential for understanding sediment transport between the dock and the Scheldt river.

1.3. Overview of the study

1.3.1. Reports

Reports of the project 'Opvolging aanslibbing Deurganckdok' between April 2007 till March 2008 are summarized in Table 1-1. An overview of the HCBS2 and 'Opvolging aanslibbing Deurganckdok' (between April 2006 till March 2007) reports are given in APPENDIX J.

This report, report 2.15, is one of set of reports for understanding the sediment transport between Deurganckdok and the river Scheldt, which belongs to the second part of this project.

Table 1-1: Overview of Deurganckdok Reports between April 2007 till March 2008

Report	Description
Sediment Balance: Bathymetry surveys, Density measurements, Maintenance and construction dredging activities	
1.10	Sediment Balance: Three monthly report 1/4/2007 - 30/06/2007 (I/RA/11283/07.081/MSA)
1.11	Sediment Balance: Three monthly report 1/7/2007 – 30/09/2007 (I/RA/11283/07.082/MSA)
1.12	Sediment Balance: Three monthly report 1/10/2007 – 31/12/2007 (I/RA/11283/07.083/MSA)
1.13	Sediment Balance: Three monthly report 1/1/2007 – 31/03/2007 (I/RA/11283/07.084/MSA)
1.14	Annual Sediment Balance (I/RA/11283/07.085/MSA)
Factors contributing to salt and sediment distribution in Deurganckdok: Salt-Silt (OBS3A) & Frame measurements, Through tide measurements (SiltProfiling & ADCP) & Calibrations	
2.09	Calibration stationary equipment autumn (I/RA/11283/07.095/MSA)
2.10	Through tide measurement Siltprofiler 23 October 2007 (I/RA/11283/07.086/MSA)
2.11	Through tide measurement Salinity Profiling winter (I/RA/11283/07.087/MSA)
2.12	Through tide measurement Sediview winter 11 March 2008 Transect I (I/RA/11283/07.088/MSA)
2.13	Through tide measurement Sediview winter 11 March 2008 Transect K (I/RA/11283/07.089/MSA)
2.14	Through tide measurement Sediview winter 11 March 2008 Transect DGD (I/RA/11283/07.090/MSA)
2.15	Through tide measurement Siltprofiler 12 March 2008 (I/RA/11283/07.091/MSA)
2.16	Salt-Silt distribution Deurganckdok summer (21/6/2007 – 30/07/2007) (I/RA/11283/07.092/MSA)
2.17	Salt-Silt distribution & Frame Measurements Deurganckdok autumn (17/09/2007 - 10/12/2007) (I/RA/11283/07.093/MSA)

Report	Description
2.18	Salt-Silt distribution & Frame Measurements Deurganckdok winter (18/02/2008 - 31/3/2008) (I/RA/11283/07.094/MSA)
2.19	Calibration stationary & mobile equipment winter (I/RA/11283/07.096/MSA)
Boundary Conditions: Upriver Discharge, Salt concentration Scheldt, Bathymetric evolution in access channels, dredging activities in Lower Sea Scheldt and access channels	
3.10	Boundary conditions: Three monthly report 1/4/2007 – 30/06/2007 (I/RA/11283/07.097/MSA)
3.11	Boundary conditions: Three monthly report 1/7/2007 – 30/09/2007 (I/RA/11283/07.098/MSA)
3.12	Boundary conditions: Three monthly report 1/10/2007 – 31/12/2007 (I/RA/11283/07.099/MSA)
3.13	Boundary conditions: Three monthly report 1/1/2008 – 31/03/2008 (I/RA/11283/07.100/MSA)
3.14	Boundary conditions: Annual report (I/RA/11283/07.101/MSA)
Analysis	
4.10	Analysis of Siltation Processes and Factors (I/RA/11283/07.102/MSA)

1.3.2. Measurement actions

Following measurements have been carried out during the course of this project:

1. Monitoring upstream discharge in the river Scheldt.
2. Monitoring Salt and sediment concentration in the Lower Sea Scheldt taken from on permanent data acquisition sites at Oosterweel, Prosperpolder and up- and downstream of the Deurganckdok.
3. Long term measurement of salt distribution in Deurganckdok.
4. Long term measurement of sediment concentration in Deurganckdok
5. Monitoring near-bed processes in the central trench in the dock, near the entrance as well as near the landward end: near-bed turbidity, near-bed current velocity and bed elevation variations are measured from a fixed frame placed on the dock's bed.
6. Measurement of current, salt and sediment transport at the entrance of Deurganckdok for which ADCP backscatter intensity over a full cross section are calibrated with the Sediview procedure and vertical sediment and salt profiles are recorded with the SiltProfiler equipment
7. Through tide measurements of vertical sediment concentration profiles -including near bed highly concentrated suspensions- with the SiltProfiler equipment. Executed over a grid of points near the entrance of Deurganckdok.
8. Monitoring dredging activities at entrance channels towards the Kallo, Zandvliet and Berendrecht locks
9. Monitoring dredging and dumping activities in the Lower Sea Scheldt

In situ calibrations were conducted on several dates to calibrate all turbidity and conductivity sensors (IMDC, 2006a, IMDC, 2007a and 2008f).

1.4. Structure of the report

This report is the factual data report of the through tide measurements at Deurganckdok on the 12th of March, 2007. The first chapter comprises an introduction. The second chapter describes the measurement campaign and the equipment. Chapter 3 describes the course of the actual measurements. The measurement results and processed data are presented in Chapter 4, whereas chapter 5 gives a preliminary analysis of the data.

2. THE MEASUREMENT CAMPAIGN

2.1. Overview of the studied parameters

The first part of the study aims at determining a sediment balance of Deurganckdok and the net influx of sediment. The sediment balance comprises a number of sediment transport modes: deposition, influx from capital dredging works, internal replacement and removal of sediments due to maintenance dredging (Figure 2-1).

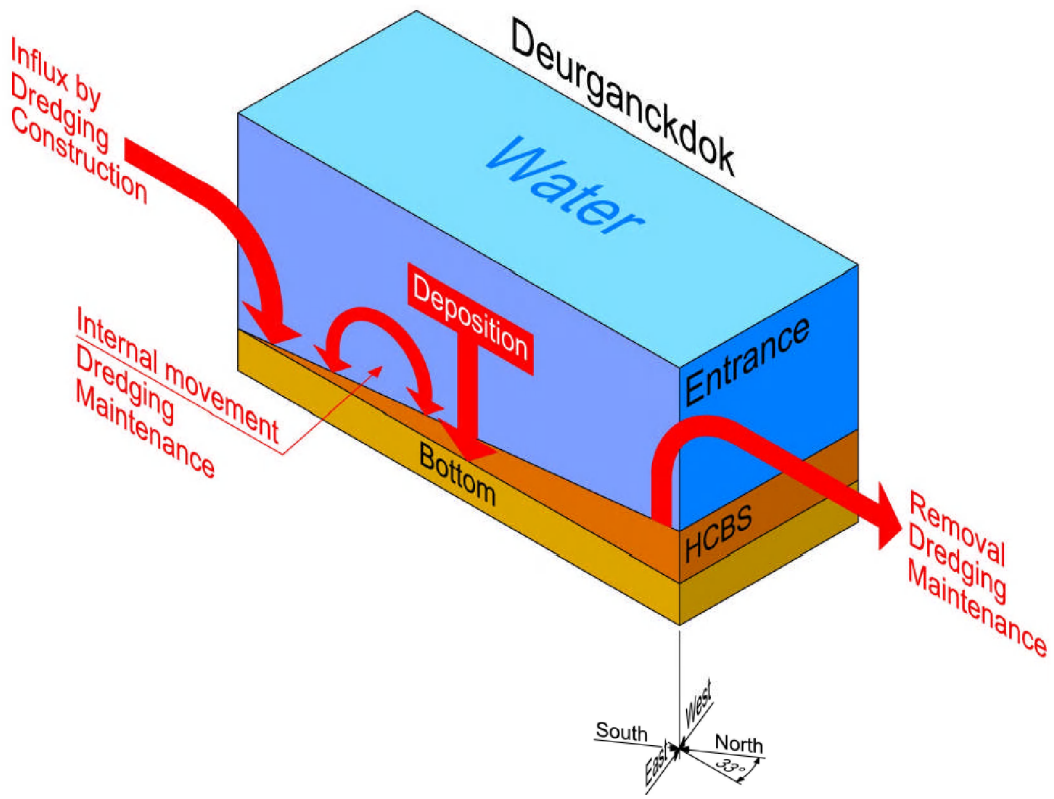


Figure 2-1: Elements of the sediment balance

A net deposition can be calculated from a comparison with a chosen initial condition t_0 (Figure 2-2). The mass of deposited sediment is determined from the integration of bed density profiles recorded at grid points covering the dock. Subtracting bed sediment mass at t_0 leads to the change in mass of sediments present in the dock (mass growth). Adding cumulated dry matter mass of dredged material removed since t_0 and subtracting any sediment influx due to capital dredging works leads to the total cumulated mass entered from the Scheldt river since t_0.

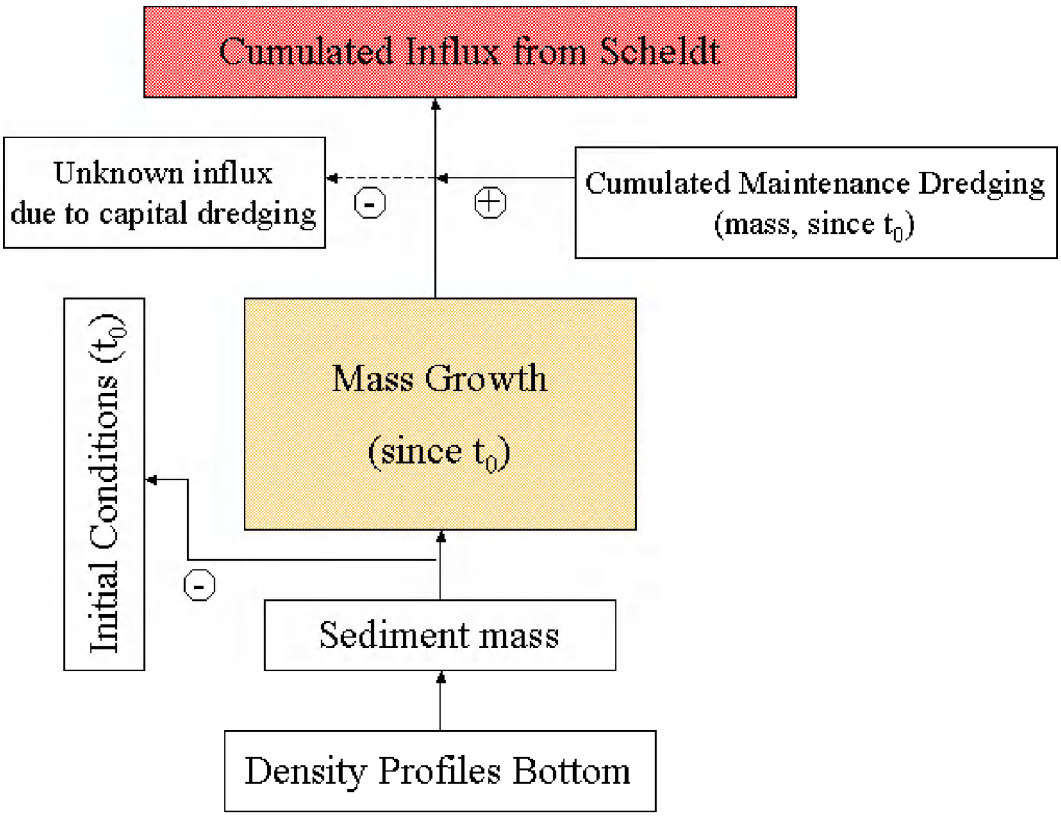


Figure 2-2: Determining a sediment balance

The main purpose of the second part of the study is to gain insight in the mechanisms causing siltation in Deurganckdok. The following mechanisms will be aimed at in this part of the study:

- Tidal prism, i.e. the extra volume in a water body due to high tide
- Vortex patterns due to passing tidal current
- Density currents due to salt gradient between the Scheldt river and the dock
- Density currents due to highly concentrated benthic suspensions

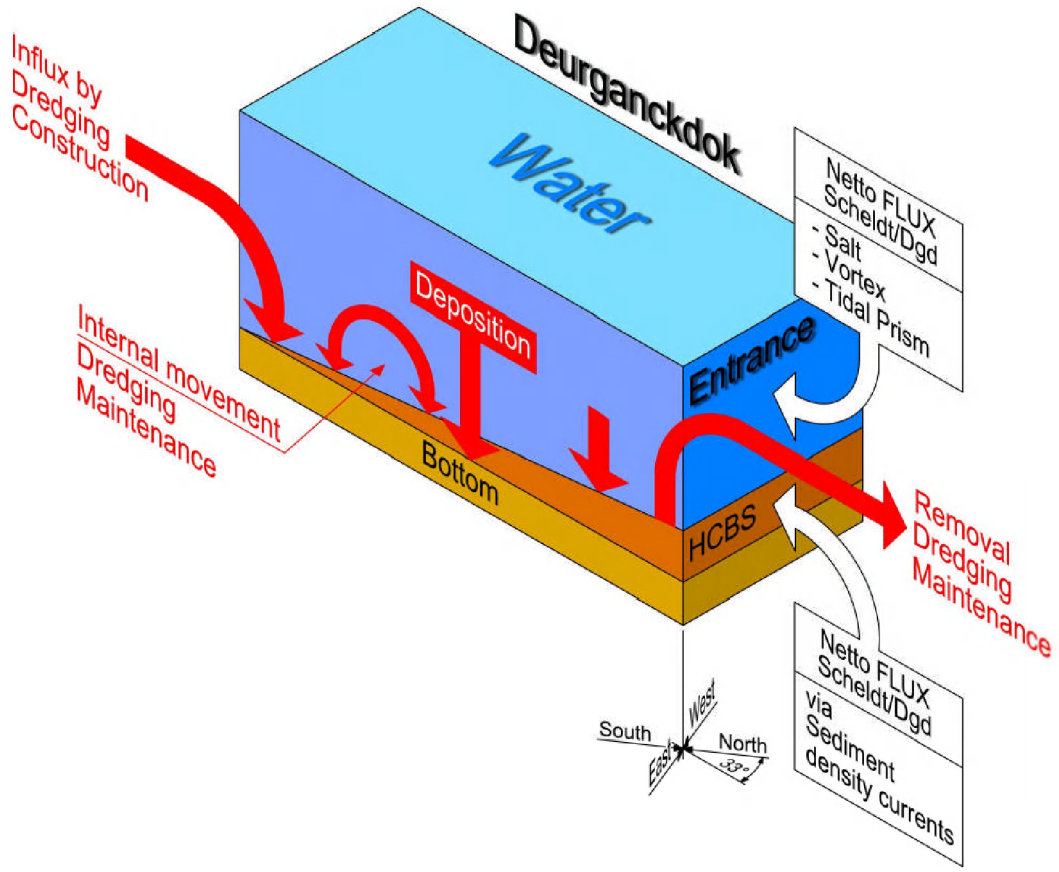


Figure 2-3: Transport mechanisms

These aspects of hydrodynamics and sediment transport have been landmark in determining the parameters to be measured during the project. Measurements will be focussed on three types of timescales: one tidal cycle, one neap-spring cycle and seasonal variation within one year.

Following data are being collected to understand these mechanisms:

- Monitoring upstream discharge in the Scheldt river.
- Monitoring Salt and sediment concentration in the Lower Sea Scheldt at permanent measurement locations at Lillo, Oosterweel, up- and downstream of the Deurganckdok.
- Long term measurement of salt and suspended sediment distribution in Deurganckdok.
- Monitoring near-bed processes (current velocity, turbidity, and bed elevation variations) in the central trench in the dock, near the entrance as well as near the current deflecting wall location.
- Dynamic measurements of current, salt and sediment transport at the entrance of Deurganckdok.
- Through tide measurements of vertical sediment concentration profiles -including near bed high concentrated benthic suspensions.
- Monitoring dredging activities at entrance channels towards the Kallo, Zandvliet and Berendrecht locks as well as dredging and dumping activities in the Lower Sea Scheldt.

2.2. Description of the measurement campaign

Turbidity, salinity and temperature measurements were conducted on the 12th of March from 8h00 MET till 21h00 MET.

The purpose of the measurements was to find fluid mud layers and to determine the distribution of suspended sediment over the dock's entrance area during a complete tidal cycle. For measurements in Deurganckddok the terms 'left bank' and 'right bank' will be used to address the North quay wall and South quay wall respectively.

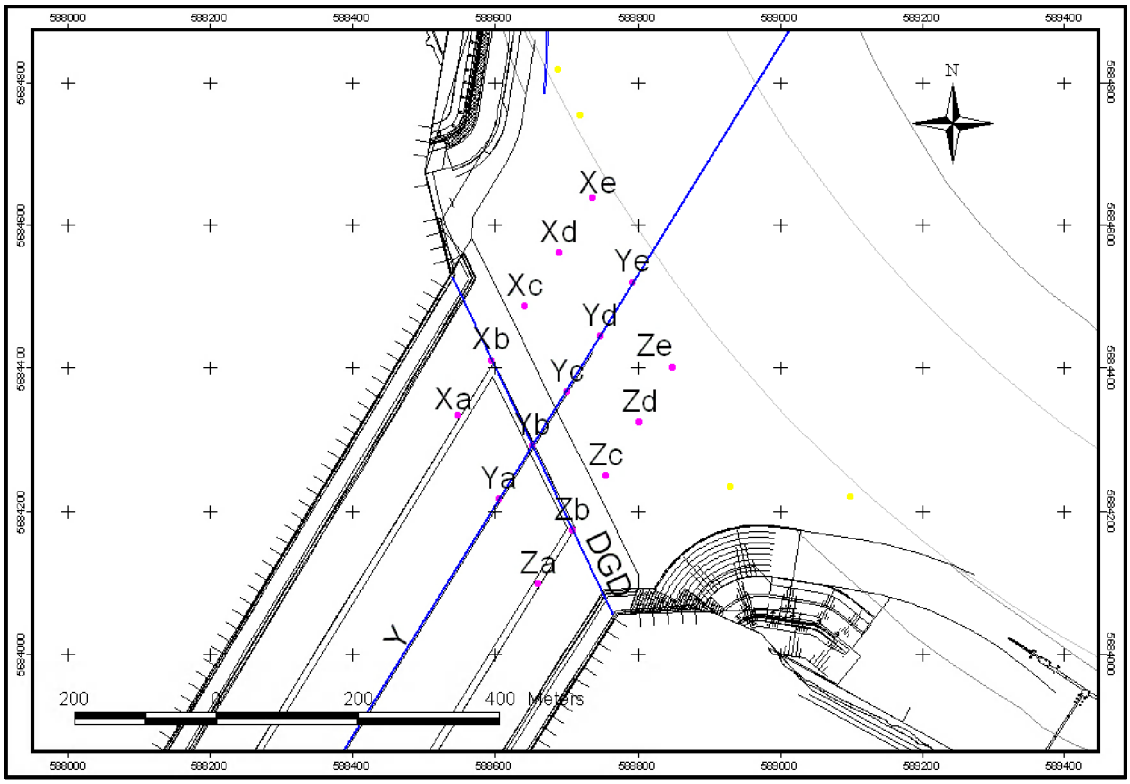


Figure 2-4: Map of the measurement locations in the vicinity of Deurganckdok

From the survey vessel Stream a measurement cycle was completed sailing three parallel transects (X, Y and Z) at the entrance of the Deurganckdok (Figure 2-4). A high resolution turbidity profile was measured with the SiltProfiler at 5 locations on each transect.

An overview with all the measurement locations of the SiltProfiler measurements can be found in Table 2-1.

Table 2-1: Positions of the measurement points for March 12th 2008 at the entrance of Deurganckdok.

Measurement point	Bank	Easting (UTM31 ED50)	Northing (UTM31 ED50)	Average Depth [m TAW]
Xa	Left bank	588549	5684335	-13.9
Xb	Left bank	588596	5684411	-13.4
Xc	Left bank	588643	5684486	-13.3
Xd	Left bank	588690	5684562	-13.8
Xe	Left bank	588737	5684638	-13.7
Ya	Center	588606	5684217	-14.7
Yb	Center	588653	5684293	-13.7
Yc	Center	588700	5684368	-13.7
Yd	Center	588747	5684444	-13.9
Ye	Center	588793	5684520	-16.2
Za	Right bank	588662	5684099	-15.2
Zb	Right bank	588709	5684174	-13.8
Zc	Right bank	588756	5684250	-13.7
Zd	Right bank	588803	5684326	-13.7
Ze	Right bank	588850	5684402	-13.9

2.3. The equipment

2.3.1. SiltProfiler

The SiltProfiler has the following general specifications. The data collection is executed locally (i.e. on the profiler) by an integrated data logger. Sensor cables are kept very short and connect to the interfacing electronics of the data logger. The data logger collects the sensor signals and records the same in internal memory. Simultaneously the data are transmitted via a serial communication cable (if connected). Emphasis is on fast data collection and less on the absolute accuracy of the sensors.

In case the communication cable is not connected, the data can be retrieved upon recovery of the profiler via a short range wireless connection. As soon as the profiler breaks the water surface the data can be accessed and transferred to the operator's PC, whereupon the profiler is ready for a new profiling session. The retrieved profile data are visualised immediately in depth profile graphs. This operational mode requires no electrical cables to be attached to the profiler. However, a small box (diameter in the order of 20 cm) with electronics, data logger and batteries is attached to the profiler. The hoisting cable is attached to sturdy structure above the electronics box.

The sensors are:

- one Conductivity and Temperature sensor with measuring ranges adequate for use in seawater.
- multiple turbidity sensors to cover the entire range of 0 to 35 000 mg/L suspended solids: 2 transmittance sensors (type FOSLIM) are used, in combination with a Seapoint turbidity sensor (0-400 mg/l).
- one pressure sensor.

Figure 2-5: High Resolution SiltProfiler

As such the SiltProfiler is anticipated to rapidly profile the suspended sediment concentration as well as the salinity structure. The SiltProfiler can measure at variable speed up to 100 measurements per second (100 Hz).

The data collection rate is adjustable to optimise for the required vertical / temporal resolution. Further, the data acquisition rate will be depth dependent in such a way that the rate is low in the upper section of the profile and higher in de lower section. Both rates and the changeover depth are user adjustable. The duration of data retrieval depends upon the amount of collected data and the effective data transfer rate.

2.3.2. CTD-Diver

A CTD-Diver was used to measure depth, conductivity and temperature. This instrument was placed on the SiltProfiler as backup for the SiltProfiler. During the measurement campaign all sensors (temperature, pressure and conductivity) were set to record every second.

The technical details about the CTD-Diver are given in APPENDIX A.

3. COURSE OF THE MEASUREMENTS

3.1. Measurement periods

SiltProfiles were taken at all 15 locations. 180 profiles were successfully measured with the SiltProfiler.

3.2. Hydro-meteorological conditions during the measurement campaign

3.2.1. Vertical tide during the measurements

The vertical tide was measured at Liefkenshoek tidal gauge. Graphs of the tide at Liefkenshoek on the 12th of March 2008 can be found in APPENDIX C. Table 3-1 lists the most important characteristics (high and low tide) of the tide at those gauges on March 12th of 2008.

Table 3-1: High and Low Tide at Liefkenshoek Tidal Gauge on 12/03/2008

Liefkenshoek Tidal Gauge		
12 March 2008		
	Time [MET]	*Water level [m TAW]*
LW (1)	00:50	0.45
HW (2)	06:00	6.49
LW (3)	13:00	0.93
HW (4)	18:20	6.36

In Table 3-2 the tidal characteristics of the tide on the 12th of March 2008 are compared to the average tide over the decade 1991-2000 (AMT, 2003).

Table 3-2: Comparison of the tidal characteristics of 12/03/2008 with the average tide, the average neap tide and the average spring tide over the decade 1991-2000 for Liefkenshoek.

	Neap tide (1991 - 2000)	***Avg Tide (1991 - 2000)***	***Spring Tide (1991 - 2000)***	***Tide 12/03/2008***
Water level [m TAW]				
LW (1)	0.39	0.05	-0.18	0.45
HW (2)	4.63	5.19	5.63	6.49
LW (3)	-	-	-	0.93
HW (4)	-	-	-	6.36
Tidal difference [m]				
Rising (1 to 2)	4.24	5.14	5.81	6.04
Falling (2 to 3)	4.24	5.14	5.81	5.56
Rising (3 to 4)	-	-	-	5.43
Duration [hh:mm]				
Rising (1 to 2)	5:59	5:34	5:16	5:10
Falling (2 to 3)	6:40	6:50	7:02	7:00
Rising (3 to 4)	-	-	-	5:20
Tide (1 to 3)	12:39	12:24	12:18	12:10
Tide (2 to 4)	-	-	-	12:20
Tidal coefficient				
Rising (1 to 2)	0.82	1.00	1.13	1.18
Falling (2 to 3)	0.82	1.00	1.13	1.08
Rising (3 to 4)	-	-	-	1.06

The tidal coefficients from 1.06 up to 1.18 for the measured tide of the 12th of March 2008 indicate that this tide has a larger tidal range than the average tide for the decade of 1991-2000, and can be classified as spring tide.

3.2.2. Meteorological data

Meteorological data at Deurne was obtained from the Weather Underground website (Wunderground, 2008).

The weather on the 12th of March 2008 was stormy and the wind blew from the west at an average velocity of 29 km/h with maximal gust velocity of 86 km/h. The air temperature varied between 6 and 10°C. The sky was cloudy with some precipitation.

3.3. Navigation information

An overview of the navigation at the measurement location is given in APPENDIX D.

3.4. Remarks on data

The total of 180 profiles were successfully taken with the SiltProfiler. Only the salinity data of the SiltProfiler was unreliable and was replaced by the salinity of the CTD-Diver, which was placed on the SiltProfiler during the measurement campaign.

4. PROCESSING OF DATASETS

4.1. Calibration of the turbidity sensors

A crucial aspect of the accuracy and reliability of the data concerns the calibration of the instruments before the measurement campaign. The calibration procedure is described in calibration report 2.09 (IMDC, 2008f).

4.2. Methodology of processing the SiltProfiler data

SiltProfiler data was validated and screened for outliers. Raw data were filtered.

Salinity was calculated using the temperature, conductivity and pressure in the pps-78 formula (Unesco, 1991 & IMDC, 2002)(see APPENDIX E). Turbidity values were converted to suspended sediment concentration.

The SiltProfiler contains 3 turbidity sensors. The Seapoint sensor is used for low concentrations (0-700 mg/l), the Long Range Extinction sensor covers the range between 400 mg/l – 5000 mg/l, after which the Short Range Extinction sensor (4000 mg/l – 35000 mg/l) takes over. All 3 sensors log simultaneously during a measurement. The switchover between two sensors in the processing is done as follows:

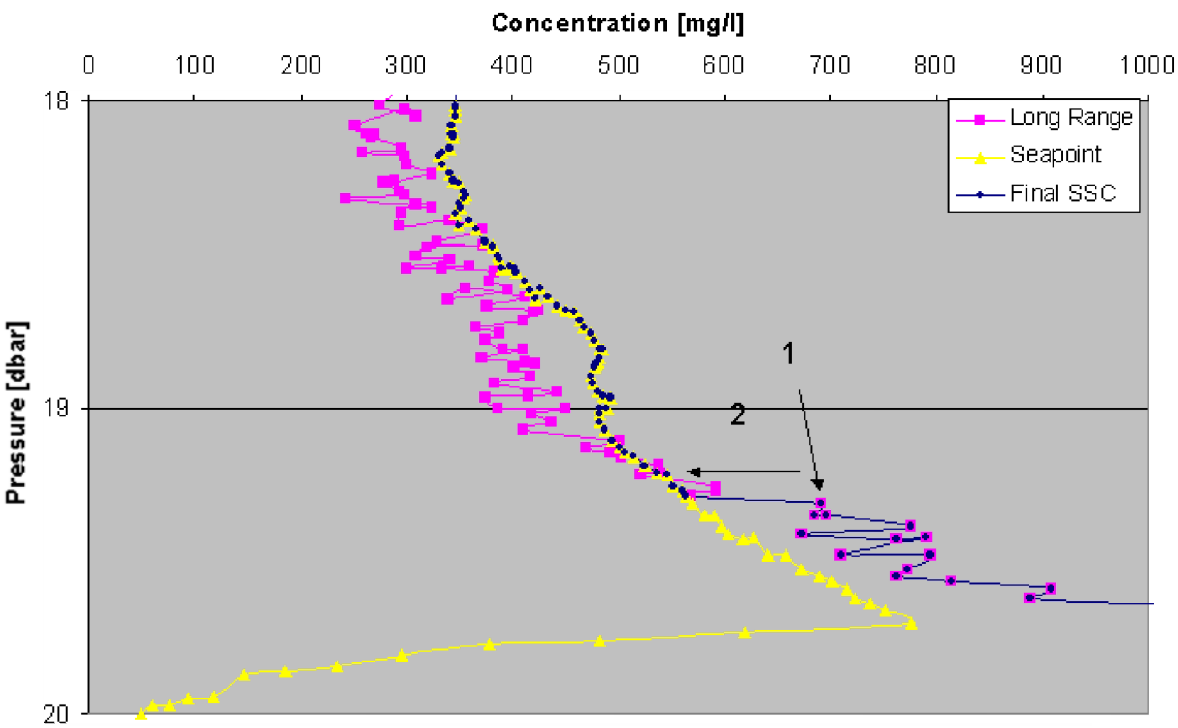


Figure 4-1: Example of Methodology used for the transition of Seapoint to Long Range Sensor for a given profile

- Between Seapoint and Long Range Sensor the transition threshold is not fixed. Figure 4-1 visualizes the methodology. As the SSC measured by the Long Range Sensor exceeds 70

mg/l over the SSC measured by the Seapoint Sensor (1), a back track is performed to find at what measurement the Long Range SS concentration exceeds the Seapoint SS concentration.(2). The nearest measurement is chosen as transition point, as is shown by the 'Final SSC' line, which shows. This is done as the Long Range SS concentration slightly underestimates low concentrations.

- Between the long range and short range extinction sensor the transition point is fixed. The long range sensor saturates at a concentration of 4964 mg/l, so the transition is fixed at a concentration of 4400 mg/l, leaving a margin of ± 500 mg/l between the transition point and the maximum measurable concentration of the Long Range Sensor.

This method was developed based on a high number of measurements that showed a high variation in SS concentration performed on 21/03/06 in Deurganckdok.

A datasheet was produced that contains a plot showing the change in temperature, salinity and suspended sediment concentration versus depth for each verified profile

Apart from general metadata (date, time, time after HT, coordinates, surface elevation) the water-bottom interface is given as the lowest elevation at which SiltProfiler measured sediment concentration within its range, and the detection of the soft and hard bottom (210 kHz / 33 kHz) as was measured by the dual frequency echosounder.

A table contains measurements with regular spreading in time taken from the profile.

The depth averaged values for temperature, salinity and suspended sediment concentration are calculated.

The "NaN" (Not a Number) –value is used to indicate a no data value (measurement outside range of instrument or not recording).

The SiltProfiler datasheets are given in APPENDIX F.

4.3. Timeseries, Depth Averages and Transects

Timeseries were visualised for all locations. Colourplots of temperature and suspended sediment concentration, as measured by SiltProfiler can be found in APPENDIX H. In these plots the bottom (as detected by the SiltProfiler) is shown as a black surface.

These plots show a contoured timeseries of the measured profiles on each location in time and depth. In between two vertical profiles colorcodes are shaded from one to the next. The detection of the hard bottom or mud-water interface by the instrument is indicated on the contourplot as a black mask.

Also depth-averaged values were tabularised. Depth-averages were computed for SiltProfiler (Suspended Sediment Concentration & Temperature) data per location.

For each of these parameters the depth-average is given for:

- Total depth
- Top 50% of watercolumn – bottom 50% of watercolumn

This information is illustrated in figures and tables in APPENDIX G.

The spatial suspended sediment concentration distribution for transects X, Y and Z are given for each cycle. In these graphs the SSC distribution is shown as a cross-section consisting of all 5 profiling locations (a, b, c, d and e) on each transect (X, Y and Z) within one measurement cycle. Point a is always given on the left hand side. These figures are given in APPENDIX I.

5. PRELIMINARY ANALYSIS OF THE DATA

Concerning the suspended sediment concentrations, the depth averages range from 48 mg/l up to 310 mg/l. The maximal and minimal depth average concentrations occur at Za around HW and around 4:30 after HW. In general the average SS concentrations taken over several points during the measurement campaign show a spatial pattern: an increase in average SS concentration from the dock to the river Scheldt and an increase from transect X to transect Z.

Compared to previous SiltProfiler measurement campaigns at the entrance of Deurganckdok higher SS concentrations have been observed during this measurement campaign. This can be partially explained by the stormy weather and spring tide event. In general the previous SiltProfiler measurement campaign on 26th September of 2006 (IMDC, 2007n) and on 23rd October of 2007 (IMDC, 2008g) have a similar magnitude of measured SS concentration. The overall concentrations measured on 21st March of 2006 (IMDC, 2006h) were roughly twice as high as campaigns in September and October.

The density of a mud layer at locations Xa, Xb, Ya and Za was low enough to allow the SiltProfiler to penetrate, although the sediment concentration was higher than the upper limit of the SiltProfiler range (+/- 35 g/l).

Depth average salinity ranges from 4.9 to 7.7 ppt. The maximal and minimal depth average salinity value occurs at Xe around 2:00 after HW and around LW. The points located nearby the river Scheldt have a higher salinity range than the points located in the dock.

Average temperature of the water was about of 8°C over all the locations.

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IMDC (2006d) Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 7.3 22 March 2006 Laure Marie – Liefkenshoek, I/RA/11291/06.096/MSA.

IMDC (2006e) Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 7.4 23 March 2006 Parel 2 – Schelle, I/RA/11291/06.097/MSA.

IMDC (2006f) Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 7.5 23 March 2006 Laure Marie – Deurganckdok (downstream), I/RA/11291/06.098/MSA.

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IMDC (2006j). Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 8.1: Vaste meetopstelling in zake bodemgedrag, I/RA/11291/06.100/MSA.

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IMDC (2007d). Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 11.2 Through tide Measurement Sediview 27/9 Veremans - Raai K (I/RA/11291/06.105/MSA), in opdracht van AWZ.

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IMDC (2007f). Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 11.4 Through tide Measurement Sediview 28/9 Veremans - Waarde(I/RA/11291/06.107/MSA), in opdracht van AWZ.

IMDC (2007g). Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 11.5 Through tide Measurement Sediview 28/9 Parel 2 - Schelle (I/RA/11291/06.108/MSA), in opdracht van AWZ.

IMDC (2007h). Uitbreiding studie densiteitsstromingen in de Beneden Zeeschelde in het kader van LTV Meetcampagne naar hooggeconcentreerde slibsuspensies Deelrapport 11.6 Through tide Measurement Salinity Distribution 26/9 Scheldewacht – Deurganckdok in opdracht van AWZ.

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IMDC (2007j) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 1.2 Sediment Balance: Three monthly report 1/7/2006 – 30/09/2006 (I/RA/11283/06.114/MSA)

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IMDC (2007n) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.2 Through tide measurement SiltProfiler 26/09/2006 Stream (I/RA/11283/06.068/MSA)

IMDC (2007o) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.7 Salt-Silt distribution & Frame Measurements Deurganckdok 15/07/2006 – 31/10/2006 (I/RA/11283/06.122/MSA)

IMDC (2007p) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.8 Salt-Silt distribution & Frame Measurements Deurganckdok 15/01/2007 – 15/03/2007 (I/RA/11283/06.123/MSA)

IMDC (2007q) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.1 Boundary conditions: Three monthly report 1/1/2007 – 31/03/2007 (I/RA/11283/06.127/MSA)

IMDC (2007r) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing Deelrapport 1.10: Sediment Balance: Three monthly report 1/4/2007 – 30/06/2007 (I/RA/11283/07.081/MSA)

IMDC (2007s) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 1.11: Sediment Balance: Three monthly report 1/7/2007 – 30/09/2007 (I/RA/11283/07.082/MSA)

IMDC (2007t) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.16: Salt-Silt distribution Deurganckdok summer (21/6/2007 – 30/07/2007) (I/RA/11283/07.092/MSA)

IMDC (2007v) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.10: Boundary conditions: Three monthly report 1/04/2007 – 30/06/2007 (I/RA/11283/07.097/MSA)

IMDC (2007w) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.11: Boundary conditions: Two monthly report 1/07/2007 – 30/09/2007 (I/RA/11283/07.098/MSA)

IMDC (2008a) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.5: Through tide measurement Sediview average tide 24/10/2007 (I/RA/11283/06.120/MSA)

IMDC (2008b) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 4.1: Analysis of siltation Processes and Factors (I/RA/11283/06.129/MSA)

IMDC (2008c) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 1.12: Sediment Balance: Four monthly report 1/9/2007 – 31/12/2007 (I/RA/11283/07.083/MSA)

IMDC (2008d) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 1.13: Sediment Balance: Four monthly report 1/01/2007 – 31/03/2007 (I/RA/11283/07.084/MSA)

IMDC (2008e) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 1.14: Annual Sediment Balance. (I/RA/11283/07.085/MSA)

IMDC (2008f) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.09: Calibration stationary equipment autumn (I/RA/11283/07.095/MSA)

IMDC (2008g) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.10: Through tide measurement SiltProfiler 23 October 2007 (I/RA/11283/07.086/MSA)

IMDC (2008h) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.11: Through tide measurement Salinity Profiling winter 12 March 2008 (I/RA/11283/07.087/MSA)

IMDC (2008i) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.12: Through tide measurement Sediview winter 11 March 2008 – Transect I (I/RA/11283/07.088/MSA)

IMDC (2008j) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.13: Through tide measurement Sediview winter 11 March 2008 – Transect K (I/RA/11283/07.089/MSA)

IMDC (2008k) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.14: Through tide measurement Sediview winter 11 March 2008 – Transect DGD (I/RA/11283/07.090/MSA)

IMDC (2008l) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.15: Through tide measurement SiltProfiler winter 12 March 2008 (I/RA/11283/07.091/MSA)

IMDC (2008m) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.17: Salt-Silt distribution & Frame Measurements Deurganckdok autumn (17/9/2007-10/12/2007) (I/RA/11283/07.093/MSA)

IMDC (2008n) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.18: Salt-Silt distribution & Frame Measurements Deurganckdok winter (18/02/2007-31/03/2008) (I/RA/11283/07.094/MSA)

IMDC (2008o) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 2.19: Calibration stationary & mobile equipment winter (I/RA/11283/07.096/MSA)

IMDC (2008p) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.12: Boundary conditions: Three monthly report 1/9/2007 – 31/12/2007 (I/RA/11283/07.099/MSA)

IMDC (2008q) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.13: Boundary conditions: Three monthly report 1/1/2008 – 31/3/2007 (I/RA/11283/07.100/MSA)

IMDC (2008r) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 3.14: Boundary conditions: Annual report (I/RA/11283/07.101/MSA)

IMDC (2008s) Langdurige metingen Deurganckdok: Opvolging en analyse aanslibbing. Deelrapport 4.10: Analysis of siltation Processes and Factors (I/RA/11283/07.102/MSA)

TV SAM (2006a) Langdurige stationaire ADCP stroommetingen te Oosterweel dukdalf 01/2005-06/2005. 42SR S032PIB 2A.

TV SAM (2006b) Langdurige stationaire ADCP stroommetingen te Oosterweel dukdalf 07/2005-12/2005. 42SR S033PIB 2A.

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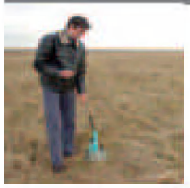
APPENDIX A. MEASUREMENT EQUIPMENT

CTD-Diver datalogger

Schlumberger WATER SERVICES



Applications

- Aquifer recharge projects
- Saltwater intrusion projects
- Surveillance against (illegal) discharges
- Surveillance on waste disposal sites
- Monitoring groundwater or surface water quality

CTD-Diver: reliable in all conditions

Where there is a need to monitor not only groundwater levels but also salinization, salt-water intrusion or contamination in the case of (illegal) discharges and landfill sites, the CTD-Diver is the instrument of choice. Besides a pressure and temperature sensor, the CTD-Diver has a four-electrode conductivity sensor for determining conductivity across a substantial measurement range (0-80 mS/cm). For each measurement, the date and time, groundwater level, temperature and conductivity are recorded. There are two options for conductivity measurement: display the measured conductivity or a specific conductivity at 25 °C. The CTD-Diver is accommodated in a ceramic casing which is resistant to corrosive conditions. The CTD-Diver has a memory with a maximum storage capacity of 16,000 measurement data per parameter.

Highlights:

- 3 year warranty
- Long-term and frequent measurements
- Various measurement methods:
  - fixed
  - event dependent
  - pumping tests
- Simple calibration
- Temperature corrected measurement
- Reliable and accurate measurement data
- Compact size
- Robust construction:
  - ceramic
  - corrosion resistant
- Measures three parameters:
  - conductivity
  - temperature
  - pressure

Specifications:

Dimensions	Ø22 mm x 183 mm
Memory	16,000 measurements (non-volatile)
Sample rate *	0.5 sec to 99 hours
Housing material	ceramic (ZrO_2)
Temperature range	-20 °C to 80 °C
- accuracy	±0.1 °C
- resolution	0.01 °C
Conductivity:	
- range	0 to 80 mS/cm
- accuracy	±1% of reading
- resolution	0.1% of reading
Battery life	10 years (depending on use)
Weight	150 grams

CTD-Diver® Technical specifications (pressure)

Type	DI 261	DI 263	DI 265	DI 500 (Baro)
Range	10 m H_2O	30 m H_2O	100 m H_2O	15 m H_2O
- accuracy**	1 cm H_2O	3 cm H_2O	10 cm H_2O	0.5 cm H_2O
- resolution	0.2 cm H_2O	0.6 cm H_2O	2 cm H_2O	0.1 cm H_2O

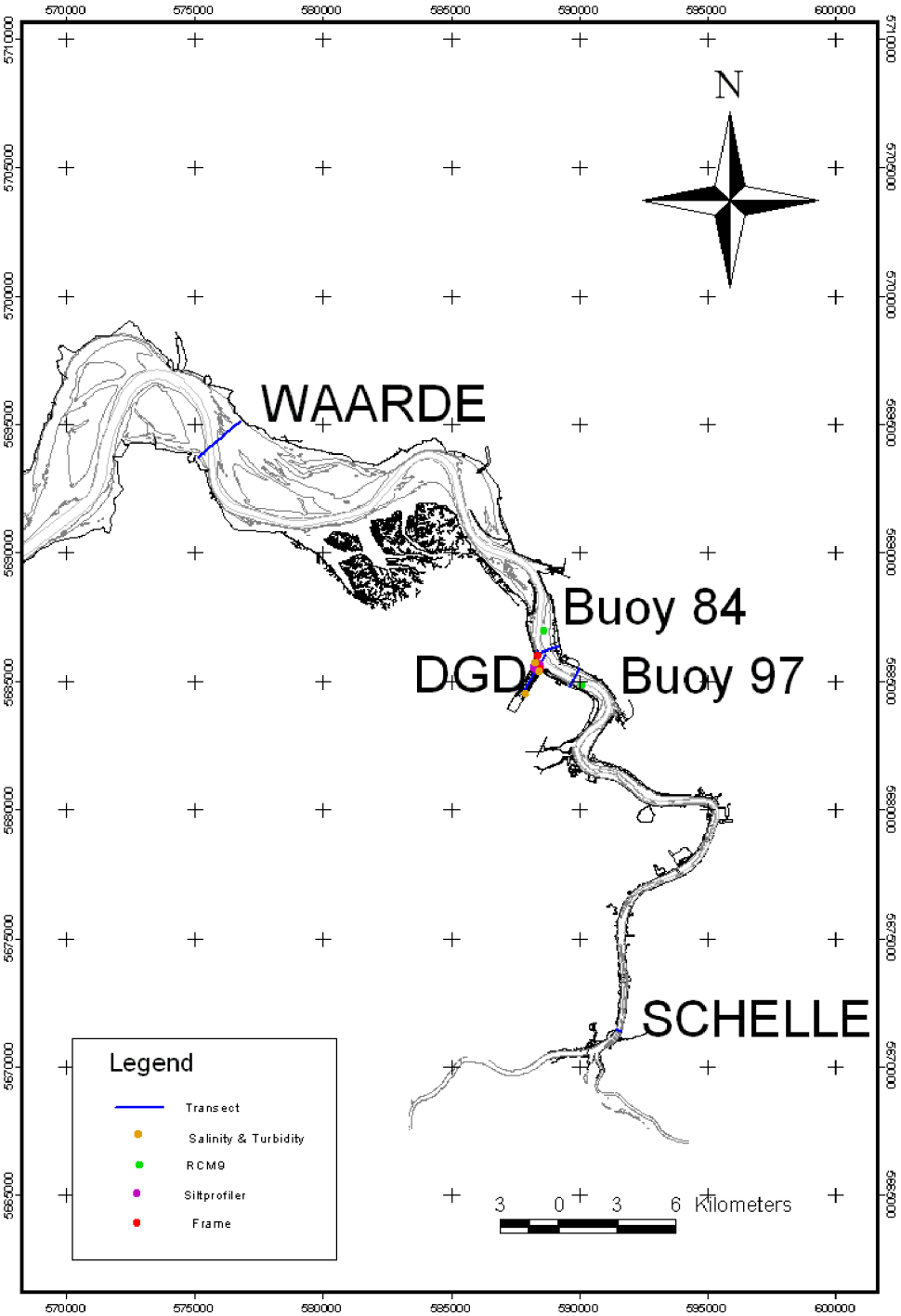
* various measuring methods available (fixed, event based and pumping tests)

** within temperature compensated range (0°C to 40°C)

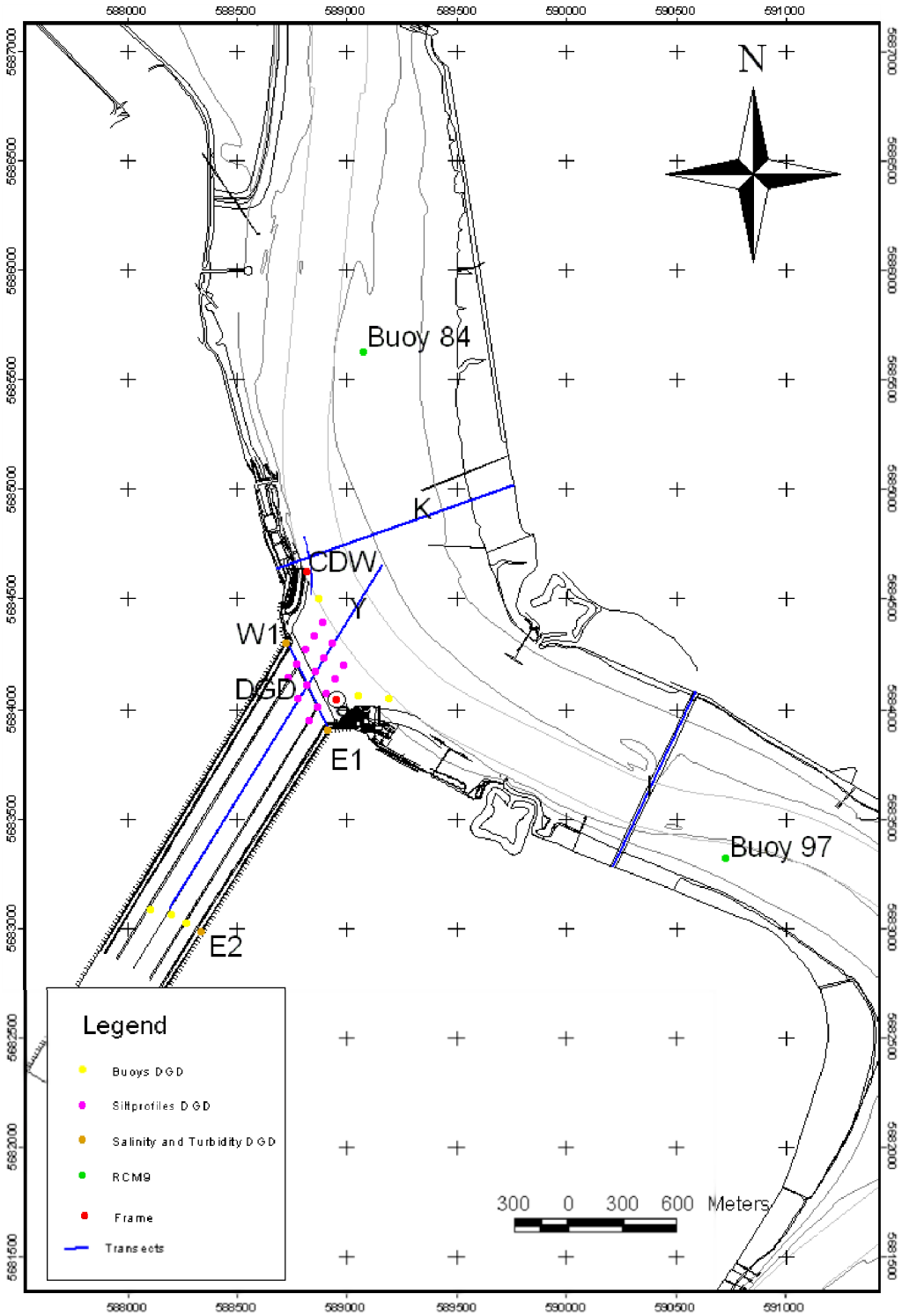
APPENDIX B.

OVERVIEW OF MEASUREMENTS

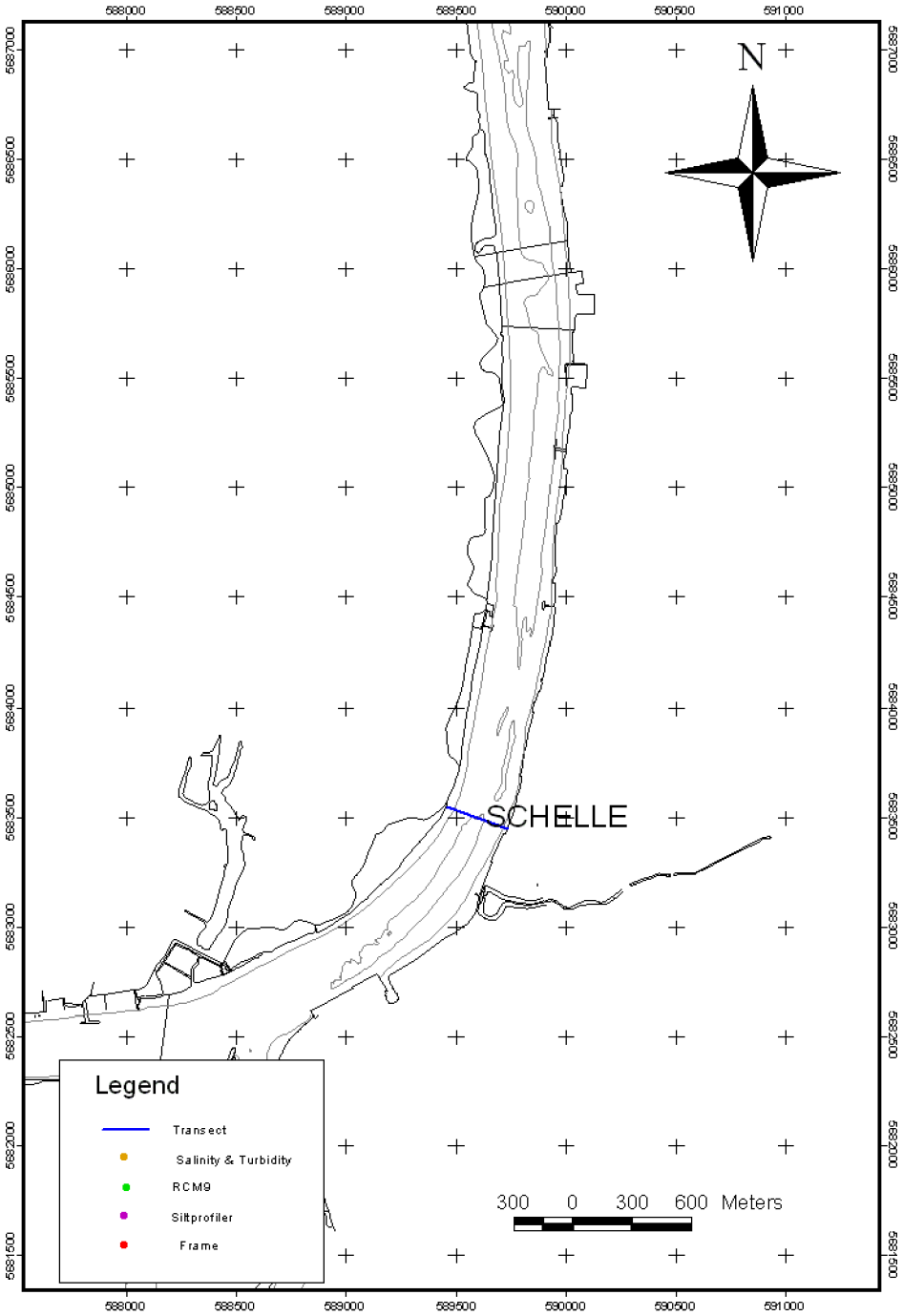
B.1 Overview of the measurement locations for the whole HCBS2 and Deurganckdok measurement campaign



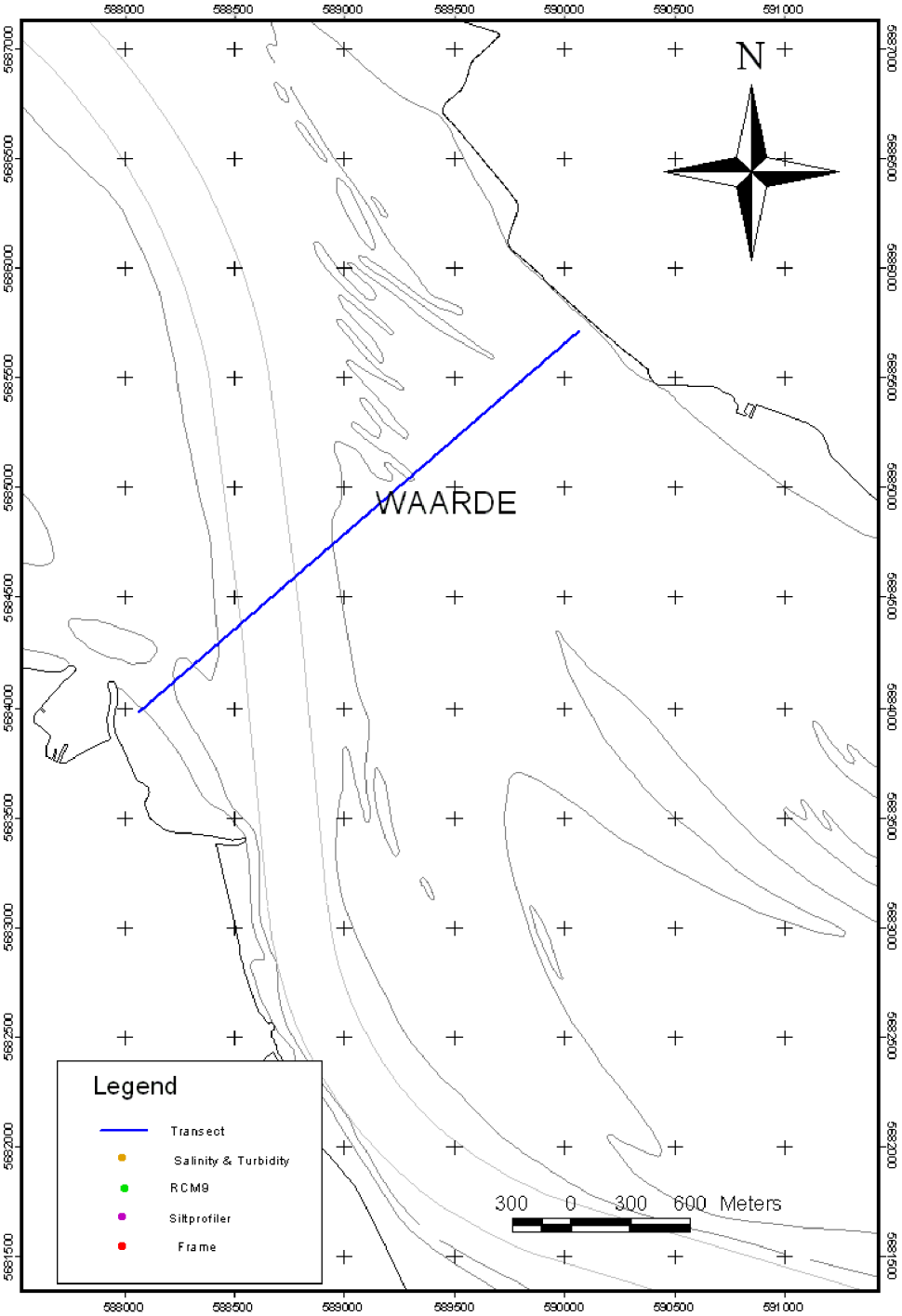
Overview of the measurement locations



Overview of the measurement locations at Deurganckdok



Theoretical transect in Schelle



Theoretical transect in Waarde

B.2 Overview of all measurement locations HCBS and Deurganckdok measurement campaign

Table with coordinates of theoretical transects

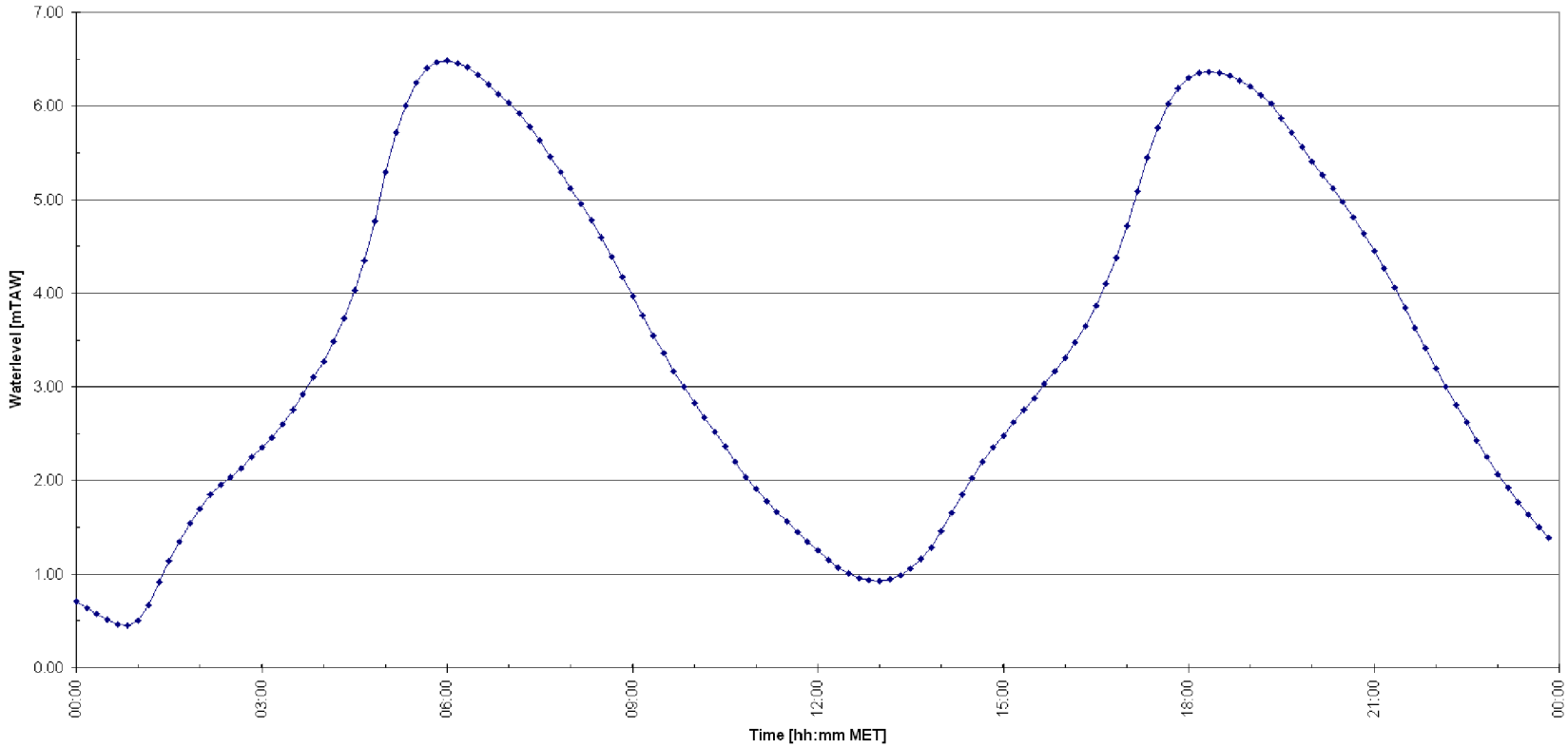
Transect	Start Easting	Start Northing	End Easting	End Northing
I	590318.00	5683302.00	590771.00	5684257.00
K	588484.00	5684924.00	589775.00	5685384.00
SCHELLE	592645.07	5665794.06	592952.68	5665682.28
DGD	588764.88	5684056.49	588540.95	5684526.94
Y	589059.09	5684948.36	587898.76	5683076.56
WAARDE	573541.00	5696848.20	571318.00	5694932.90

Table with coordinates of SiltProfiler gauging locations

SP	EASTING	NORTHING
Location 1: Xa	588549	5684335
Location 2: Xb	588596	5684411
Location 3: Xc	588643	5684486
Location 4: Xd	588690	5684562
Location 5: Xe	588737	5684638
Location 6: Ya	588606	5684217
Location 7: Yb	588653	5684293
Location 8: Yc	588700	5684368
Location 9: Yd	588747	5684444
Location 10: Ye	588793	5684520
Location 11: Za	588662	5684099
Location 12: Zb	588709	5684174
Location 13: Zc	588756	5684250
Location 14: Zd	588803	5684326
Location 15: Ze	588850	5684402

APPENDIX C. TIDAL DATA

Through Tide Measurement SiltProfiler 12 March 2008



Measured tide on 12/03/2008		Data processed by: IMDC
Location: Liefkenshoek tidal gauge	Date: 12/03/2008	In association with: WL | delft hydraulics, GEMS International
		I/RA/11283/07.091/MSA

APPENDIX D.

NAVIGATION INFORMATION AS RECORDED ON SITE

Ship:		**Scheldewacht 2**	
Location:		**Entrance Deurganckdok**	
Nr.	***Tijdstip (MET)***	***Type schip***	***Vaarrichting (uit-, invarend)***
1	8:18	Containerschip Maersk	invarend
2	8:25	Sleepboot Union 7	invarend
3	8:42	Sleepboot	invarend
4	8:55	Veremans	invarend
5	8:05	Sleepboot Union 8	Uitvarend
6	8:10	Veremans	Uitvarend
7	8:11	Union 11	Invarend
8	8:15	Binnenvaart Camaro	Uitvarend
9	9:30	Brabo, dienst	Uitvarend
10	9:40	Rotterdam, tanker	Invarend
11	9:45	Veremans	Uitvarend
12	9:56	Veremans	Invarend
13	10:00	Binnenvaart So Long	Uitvarend
14	10:15	Binnenvaart Antigoon	Uitvarend
15	10:35	Veremans	Uitvarend
16	10:40	Veremans	Invarend
17	10:55	Container Antigoon	Invarend
18	11:02	Ad-fundum	Invarend
19	11:20	Veremans	Uitvarend
20	11:20	Independent II	Invarend
21	11:22	DN-31	Uitvarend
22	11:22	Veremans	Invarend
23	11:40	El-Blajo	Invarend
24	12:00	Zeeschip Monte Pascoal	Invarend
25	12:00	Union 9	Invarend
26	12:00	Uinion Emerald	Invarend
27	12:00	Union Anton V	Invarend
28	12:28	Binnenvaart Vela + Alpina	Invarend
29	12:30	DN-31	Invarend
30	12:30	So Long	Invarend
31		Union 9	Uitvarend

Ship:		**Scheldewacht 2**	
Location:		**Entrance Deurganckdok**	
32		Union Emerald	Uitvarend
33	12:45	SPN 14	Invarend
34	12:46	Anton V	Uitvarend
35	13:19	Tanksschip Varik	Uitvarend
36	13:20	Rotterdam	Uitvarend
37	13:25	Tankschip Imperial	Invarend
38	13:30	Binnenvaart Nautiek	Invarend
39	13:34	Tankschip Amalia	Uitvarend
40	13:35	Duwbak Schelde + Duwer Nairobi	Uitvarend
41	13:38	DN-31	Uitvarend
42	13:43	Union Emerald	Invarend
43	13:44	Union 9	Invarend
44	13:48	Binnenschip Pretoria	Invarend
45	13:50	Veremans	Uitvarend
46	13:51	Union Ruby	Invarend
47	13:54	Veremans	Invarend
48	13:56	DN-31	Invarend
49	14:01	Tankschip Elveba	Invarend
50	14:10	La Prorinnie	Uitvarend
51	14:12	Zandschip Rio 4	Uitvarend
52	14:20	Union 9	Uitvarend
53	14:25	Binnenschip Karveel	Invarend
54	14:26	Tankschip Rotterdam	Invarend
55	14:30	So Long	Uitvarend
56	14:30	Veremans	Uitvarend
57	14:34	Union Kodak	Invarend
58	14:35	Binnenschip Sarina	Invarend
59	14:36	Veremans	Invarend
60	14:44	Baggerschip Jade River	Uitvarend
61	14:51	Politieboot SPN 14	Invarend
62	14:55	Union Ruby	Uitvarend
63	15:13	Veremans	Uitvarend
64	15:20	Union Emerald	Uitvarend

Ship:		**Scheldewacht 2**	
Location:		**Entrance Deurganckdok**	
65	15:21	Veremans	Invarend
66	15:31	Union 8	Invarend
67	15:33	Baggerschip Jade River	Invarend
68	15:38	Binnenschip Brutus	Invarend
69	15:36	Karveel	Uitvarend
70	15:38	DN-31	Uitvarend
71	15:51	Zeeschip Vegaland	Invarend
72	15:54	Veremans	Uitvarend
73	15:55	DN-31	Invarend
74	16:00	Ad-fundum	Uitvarend
75	16:01	Veremans	Invarend
76	16:02	Sarino	Uitvarend
77	16:05	Zeeschip GrenoLine	Uitvarend
78	16:05	Veronique	Uitvarend
79	16:08	Margreta	Invarend
80	16:10	Union Ruby	Invarend
81	16:35	Veremans	Uitvarend
82	16:40	Veremans	Invarend
83	16:51	Binnenschip	Invarend
84	16:52	Schelde 12	Invarend
85	16:53	Union 8	Invarend
86	16:56	Melek B	Invarend
87	17:13	Union Emerald	Invarend
88	17:15	Union 9	Invarend
89	17:16	Veremans	Uitvarend
90	17:21	Veremans	Invarend
91	17:50	Independent 1	Uitvarend
92	17:50	Independent 2	Uitvarend
93	17:52	El Blajo	Uitvarend
94	17:54	Sint Antonius	Invarend
95	17:55	Veremans	Uitvarend
96	17:56	Imperial	Uitvarend
97	18:00	Veremans	Invarend

Ship:		**Scheldewacht 2**	
Location:		**Entrance Deurganckdok**	
98	18:06	Lieve Govaert	Uitvarend
99	18:14	DN-31	Uitvarend
100	18:35	Veremans	Uitvarend
101	18:37	Antigoon	Uitvarend
102	18:39	Veremans	Invarend
103	18:46	DN-31	Invarend
104	18:50	Union 9	Uitvarend
105	18:50	Union Emerald	Uitvarend
106	19:00	DN-31	Invarend
107	19:07	Nautiek	Uitvarend
108	19:14	Veremans	Uitvarend
109	19:20	Veremans	Invarend
110	19:30	Pretoria	Uitvarend
111	19:53	Odessa	Uitvarend
112	19:54	Veremans	Uitvarend
113	19:56	Veremans	Invarend
114	20:22	Alpina	Uitvarend
115	20:40	Sownent	Invarend
116	20:45	Colommer	Invarend

APPENDIX E.

UNESCO PPS-78 FORMULA FOR CALCULATING SALINITY

Practical Salinity Scale (PPS 78) Salinity in the range of 2 to 42

Constants from the 19th Edition of Standard Methods

R cond.ratio	0.0117	$R = \frac{C}{42.914 mS/cm}$	
C Cond at t	**0.5**		**Input conductivity in mS/cm of sample**
t deg. C	**22.00**		**Input temperature of sample solution**
P dBar	**20**		**Input pressure at which sample is measured in decibars**
Rp	1.0020845	$R_p = 1 + \frac{p(e_1 + e_2 p + e_3 p^2)}{1 + d_1 t + d_2 t^2 + (d_3 + d_4 t)R}$	
rt	1.1641102	$r_t = c_0 + c_1 t + c_2 t^2 + c_3 t^3 + c_4 t^4$	
Rt	0.0099879	$R_t = \frac{R}{R_p \times r_t}$	
Delta S	-0.0010	$\text{Delta S} = \frac{(t-15)}{1+k(t-15)}(b_0 + b_1 R_t^{1/2} + b_2 R_t + b_3 R_t^{3/2} + b_4 R_t^2 + b_5 R_t^{5/2})$	
S = Salinity	**0.257**	$S = a_0 + a_1 R_t^{1/2} + a_2 R_t + a_3 R_t^{3/2} + a_4 R_t^2 + a_5 R_t^{5/2} + \text{delta S}$	

a0	0.0080	b0	0.0005	c0	0.6766097	d1	3.426E-02	e1	2.070E-04
a1	-0.1692	b1	-0.0056	c1	2.00564E-02	d2	4.464E-04	e2	-6.370E-08
a2	25.3851	b2	-0.0066	c2	1.104259E-04	d3	4.215E-01	e3	3.989E-12
a3	14.0941	b3	-0.0375	c3	-6.9698E-07	d4	-3.107E-03		
a4	-7.0261	b4	0.0636	c4	1.0031E-09				
a5	2.7081	b5	-0.0144						
		k	0.0162						

R = ratio of measured conductivity to the conductivity of the Standard Seawater Solution

Conductivity Ratio R is a function of salinity, temperature, and hydraulic pressure. So that we can factor R into three parts i.e.

R = Rt x Rp x rt

R = C(S,t,p)/C(35,15,0)

C = 42.914 mS/cm at 15 deg C and 0 dbar pressure ie C(35,15,0) where 35 is the salinity

Ocean pressure is usually measured in decibars. 1 dbar = 10^-1 bar = 10^5 dyne/cm^2 = 10^4 Pascal.

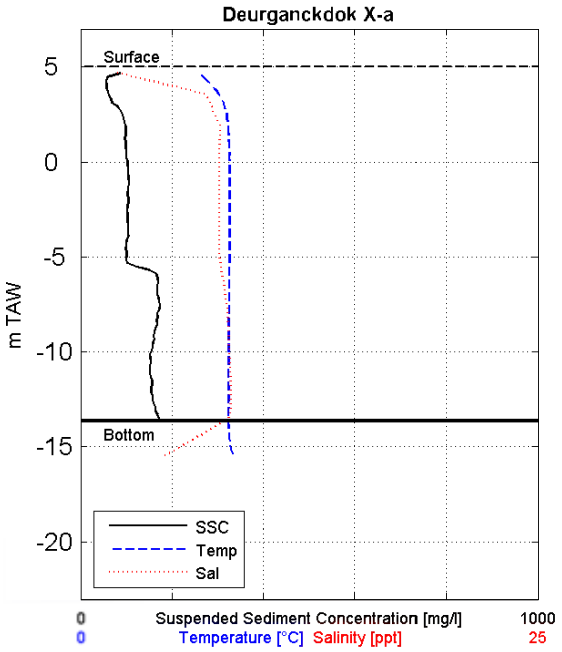
APPENDIX F.

SILTPROFILER GRAPHS

F.1 Location Xa

Through tide measurements Siltprofiler 12 March 2008

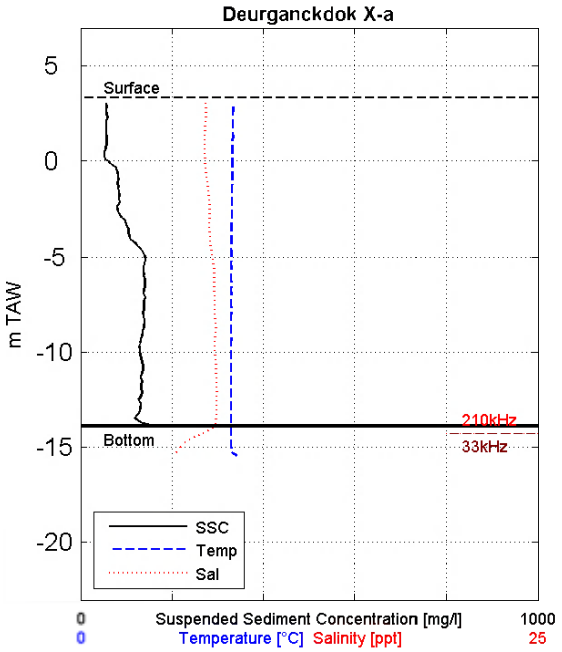
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4001Xa_ctd.sil 4020Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:05
Time after/before HT [MET]:	2:05
Coordinates [UTM-ED50] Easting:	588540
Coordinates [UTM-ED50] Northing:	5684416
Water-Bottom Interface Siltpr. [m TAW]:	-13.65
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.02

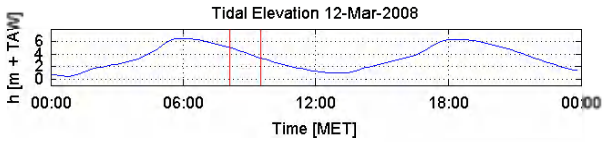
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.73	6.2	1.8	127
3.78	7.4	5.9	59
2.93	7.9	7.2	75
2.06	8.1	7.5	95
1.08	8.1	7.6	98
0.11	8.1	7.5	101
-0.79	8.1	7.5	103
-1.60	8.1	7.5	104
-2.48	8.1	7.5	103
-3.29	8.1	7.5	103
-4.09	8.1	7.6	101
-4.87	8.1	7.6	108
-5.65	8.1	7.7	150
-6.37	8.1	7.8	169
-7.23	8.1	8.0	171
-7.98	8.1	8.1	167
-8.77	8.1	8.1	163
-9.70	8.1	8.1	156
-10.53	8.1	8.2	154
-11.56	8.1	8.2	156
-12.57	8.1	8.2	160
-13.61	8.1	7.9	171
-13.65	8.1	7.8	179
Depth Avg	**8.0**	**7.5**	**123**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:30
Time after/before HT [MET]:	3:30
Coordinates [UTM-ED50] Easting:	588542
Coordinates [UTM-ED50] Northing:	5684399
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	-14.29
Waterdepth 33 kHz Echo [m TAW]:	-14.28
Surface Elevation [m TAW]:	3.34

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.04	8.3	6.8	55
2.43	8.3	6.9	56
1.57	8.3	6.8	55
0.67	8.3	6.8	55
-0.23	8.3	6.8	76
-1.02	8.3	6.9	82
-1.86	8.3	7.0	83
-2.65	8.3	7.0	84
-3.45	8.3	7.0	104
-4.28	8.3	7.1	116
-5.01	8.2	7.2	141
-5.87	8.2	7.3	140
-6.66	8.2	7.3	140
-7.47	8.2	7.3	140
-8.27	8.3	7.3	138
-9.11	8.2	7.3	131
-9.96	8.2	7.3	132
-10.67	8.2	7.4	137
-11.37	8.2	7.4	132
-12.07	8.2	7.4	136
-12.88	8.2	7.4	134
-13.66	8.2	7.4	120
-13.90	8.2	7.3	199
Depth Avg	**8.3**	**7.1**	**108**



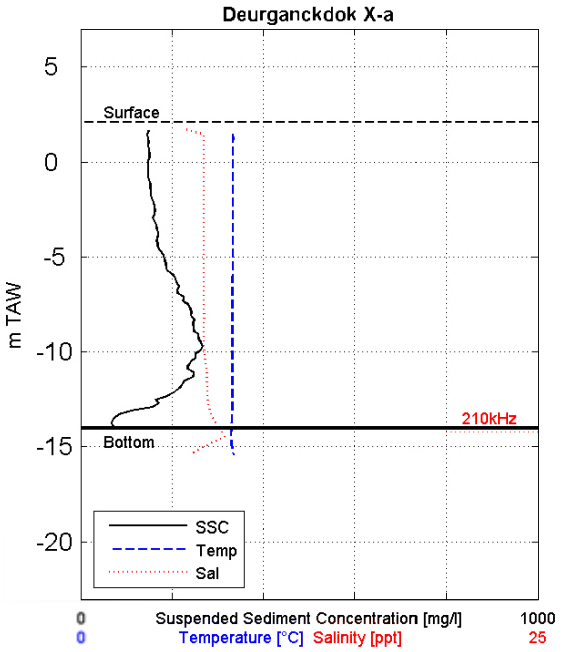
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

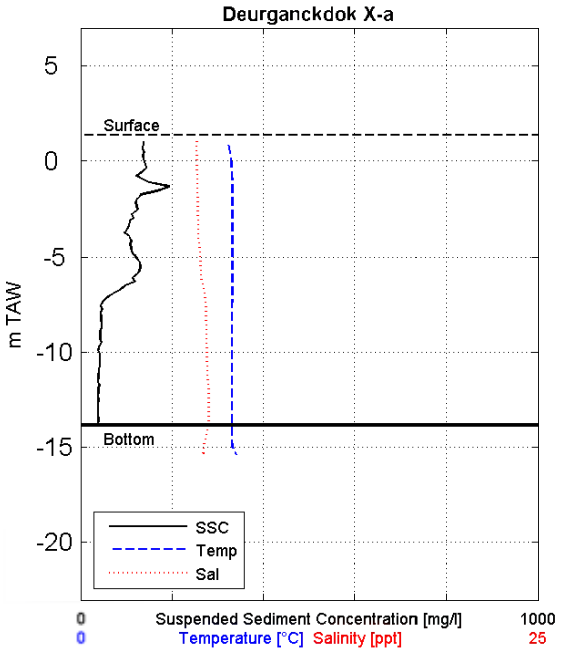
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4035Xa_ctd.sil 4051Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:47
Time after/before HT [MET]:	4:47
Coordinates [UTM-ED50] Easting:	588564
Coordinates [UTM-ED50] Northing:	5684381
Water-Bottom Interface Siltpr. [m TAW]:	-14.04
Waterdepth 210 kHz Echo [m TAW]:	-14.22
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.08

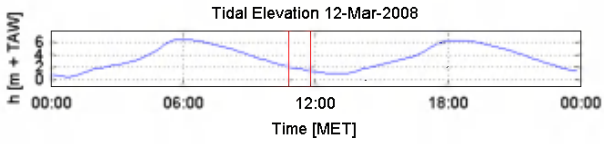
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.79	8.3	4.7	150
1.29	8.3	6.7	149
0.62	8.3	6.7	151
-0.01	8.3	6.7	144
-0.72	8.3	6.7	150
-1.35	8.3	6.7	151
-2.07	8.3	6.7	159
-2.92	8.3	6.7	161
-3.76	8.3	6.7	168
-4.65	8.3	6.7	173
-5.46	8.3	6.7	186
-6.13	8.3	6.7	209
-6.89	8.3	6.7	212
-7.67	8.3	6.7	238
-8.47	8.3	6.7	249
-9.23	8.3	6.7	254
-10.00	8.3	6.8	260
-10.84	8.3	6.9	230
-11.55	8.3	6.9	229
-12.38	8.3	6.9	190
-13.12	8.3	7.1	103
-13.91	8.2	7.5	73
-14.04	8.3	7.6	118
Depth Avg	**8.3**	**6.8**	**185**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:48
Time after/before HT [MET]:	5:48
Coordinates [UTM-ED50] Easting:	588551
Coordinates [UTM-ED50] Northing:	5684419
Water-Bottom Interface Siltpr. [m TAW]:	-13.87
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.37

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.08	8.0	6.3	139
0.55	8.2	6.3	143
-0.05	8.3	6.3	136
-0.83	8.3	6.4	206
-1.62	8.3	6.4	123
-2.42	8.3	6.4	121
-3.22	8.3	6.4	101
-3.93	8.3	6.4	117
-4.63	8.3	6.5	118
-5.36	8.3	6.5	116
-6.06	8.3	6.6	107
-6.65	8.3	6.7	82
-7.28	8.3	6.8	43
-8.01	8.2	6.9	40
-8.73	8.3	6.9	46
-9.53	8.3	6.9	48
-10.41	8.3	6.9	38
-11.20	8.3	6.9	28
-11.89	8.2	7.0	37
-12.45	8.3	7.0	36
-13.09	8.2	7.0	36
-13.83	8.3	7.0	40
-13.87	8.2	7.0	256
Depth Avg	**8.3**	**6.7**	**87**



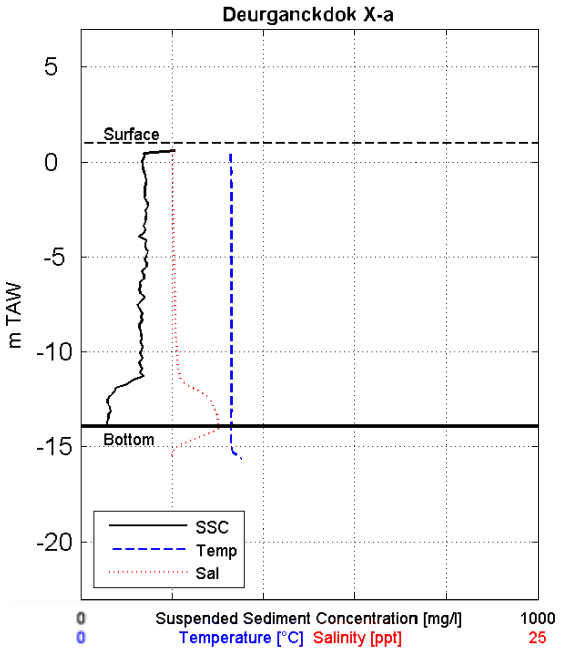
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

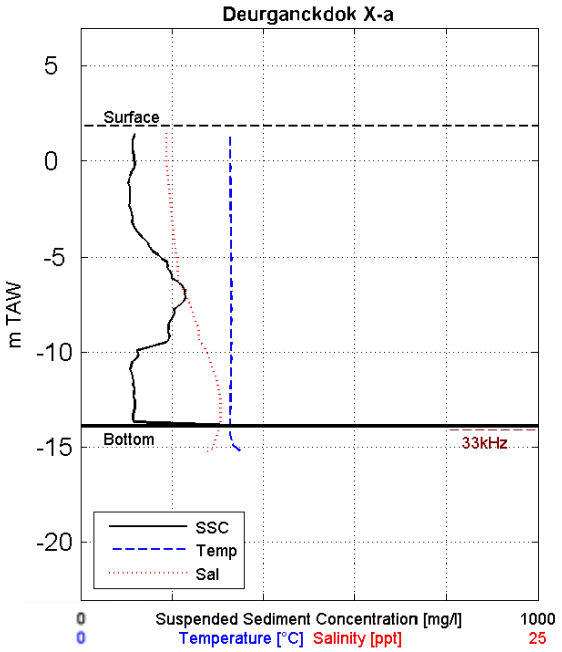
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4066Xa_ctd.sil 4081Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:20
Time after/before HT [MET]:	-4:59
Coordinates [UTM-ED50] Easting:	588549
Coordinates [UTM-ED50] Northing:	5684434
Water-Bottom Interface Siltpr. [m TAW]:	-13.92
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.99

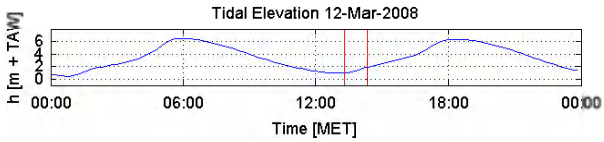
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.69	8.2	5.0	173
0.32	8.2	5.0	139
-0.15	8.3	5.0	129
-0.62	8.2	5.0	135
-1.14	8.2	5.0	147
-1.77	8.3	5.0	139
-2.39	8.3	5.0	141
-3.12	8.2	5.1	138
-3.86	8.2	5.1	114
-4.56	8.3	5.1	138
-5.26	8.2	5.1	157
-6.06	8.2	5.1	152
-6.90	8.3	5.1	121
-7.69	8.3	5.1	123
-8.53	8.3	5.2	129
-9.43	8.3	5.2	144
-10.29	8.3	5.3	122
-11.03	8.2	5.4	128
-11.70	8.3	5.7	112
-12.44	8.2	7.0	64
-13.20	8.2	7.4	64
-13.92	8.2	7.6	68
-13.92	8.2	7.6	68
Depth Avg	**8.2**	**5.4**	**128**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:19
Time after/before HT [MET]:	-4:00
Coordinates [UTM-ED50] Easting:	588577
Coordinates [UTM-ED50] Northing:	5684408
Water-Bottom Interface Siltpr. [m TAW]:	-13.89
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-14.09
Surface Elevation [m TAW]:	1.83

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.55	8.2	4.7	126
1.06	8.2	4.7	113
0.51	8.2	4.7	115
-0.14	8.2	4.7	116
-0.78	8.2	4.8	108
-1.63	8.2	4.8	106
-2.62	8.2	5.0	109
-3.26	8.2	5.0	107
-3.99	8.2	5.1	136
-4.81	8.2	5.2	164
-5.60	8.2	5.3	193
-6.34	8.3	5.4	218
-7.12	8.2	5.8	228
-7.96	8.2	6.2	197
-8.73	8.3	6.4	190
-9.44	8.3	6.5	190
-10.14	8.2	7.0	126
-10.80	8.2	7.2	113
-11.46	8.2	7.4	115
-12.15	8.2	7.6	113
-12.85	8.2	7.7	119
-13.66	8.2	7.6	118
-13.89	8.2	7.6	14023
Depth Avg	**8.2**	**5.8**	**153**



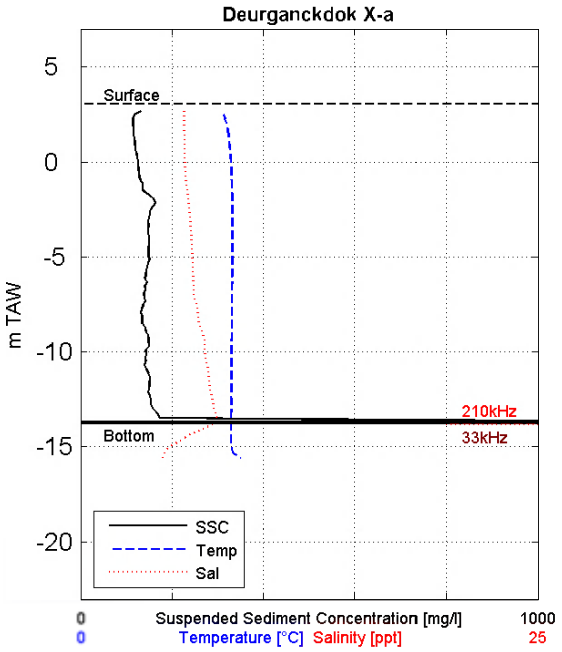
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

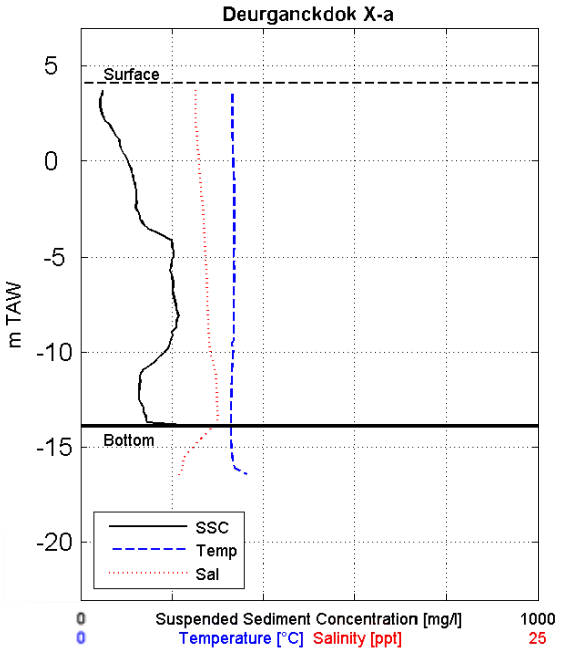
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4097Xa_ctd.sil 4112Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:38
Time after/before HT [MET]:	-2:41
Coordinates [UTM-ED50] Easting:	588588
Coordinates [UTM-ED50] Northing:	5684444
Water-Bottom Interface Siltpr. [m TAW]:	-13.74
Waterdepth 210 kHz Echo [m TAW]:	-13.83
Waterdepth 33 kHz Echo [m TAW]:	-13.80
Surface Elevation [m TAW]:	3.01

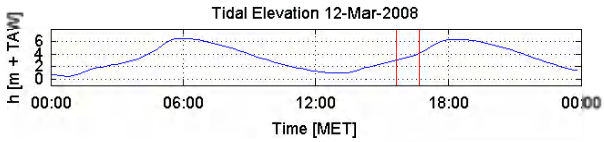
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.73	7.7	5.6	135
2.17	7.9	5.7	115
1.48	8.1	5.7	116
0.73	8.2	5.7	122
0.00	8.3	5.7	123
-0.77	8.2	5.7	124
-1.55	8.3	5.8	141
-2.43	8.3	5.9	151
-3.34	8.3	6.0	147
-4.18	8.3	6.1	149
-5.04	8.3	6.1	152
-5.88	8.3	6.2	143
-6.65	8.3	6.2	141
-7.56	8.3	6.3	138
-8.34	8.2	6.5	134
-9.04	8.3	6.7	148
-9.83	8.3	6.8	148
-10.68	8.2	6.9	137
-11.49	8.2	7.0	154
-12.14	8.3	7.1	144
-12.79	8.2	7.3	153
-13.49	8.2	7.5	174
-13.74	8.2	7.5	1336
Depth Avg	**8.2**	**6.3**	**146**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:39
Time after/before HT [MET]:	-1:40
Coordinates [UTM-ED50] Easting:	588565
Coordinates [UTM-ED50] Northing:	5684419
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.08

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.79	8.3	6.3	49
3.32	8.3	6.3	44
2.61	8.3	6.2	44
1.87	8.3	6.3	63
0.97	8.3	6.4	85
0.09	8.3	6.5	103
-0.75	8.3	6.5	115
-1.53	8.4	6.6	123
-2.47	8.4	6.7	121
-3.34	8.5	6.7	139
-4.17	8.4	6.8	201
-5.07	8.4	6.8	200
-5.88	8.4	6.9	199
-6.71	8.4	6.9	200
-7.57	8.4	6.9	204
-8.43	8.4	7.0	211
-9.26	8.4	7.0	197
-10.20	8.3	7.1	173
-11.02	8.3	7.4	138
-11.79	8.3	7.4	130
-12.78	8.3	7.5	134
-13.78	8.2	7.3	143
-13.90	8.2	7.2	35283
Depth Avg	**8.3**	**6.8**	**162**



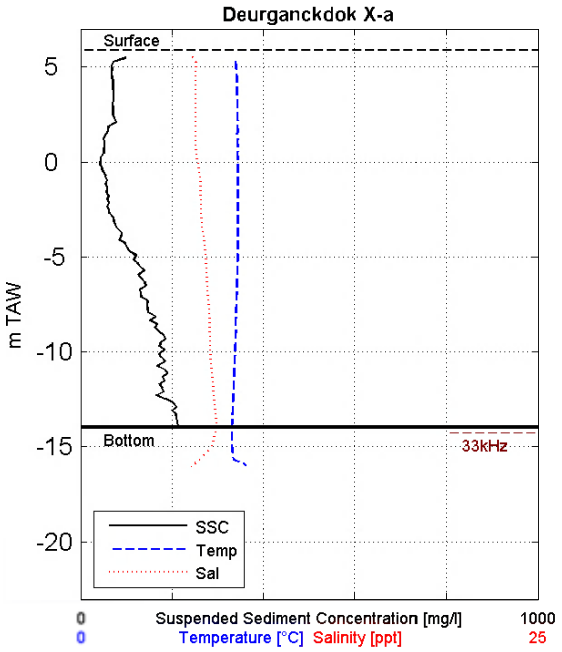
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

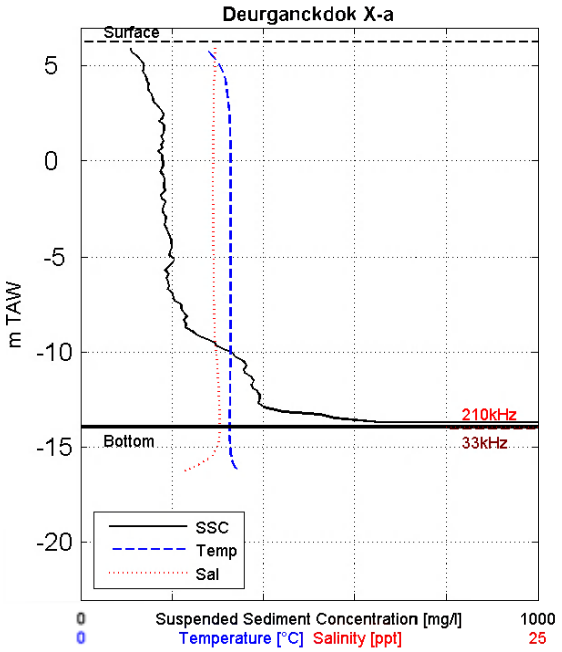
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4127Xa_ctd.sil 4143Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:34
Time after/before HT [MET]:	-0:45
Coordinates [UTM-ED50] Easting:	588553
Coordinates [UTM-ED50] Northing:	5684417
Water-Bottom Interface Siltpr. [m TAW]:	-13.98
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-14.26
Surface Elevation [m TAW]:	5.88

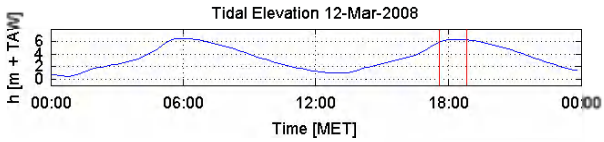
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.60	8.4	5.6	147
4.89	8.5	6.3	68
4.15	8.6	6.3	70
3.33	8.6	6.3	70
2.54	8.6	6.3	73
1.61	8.6	6.3	62
0.59	8.6	6.3	64
-0.41	8.6	6.5	56
-1.26	8.6	6.6	69
-2.08	8.6	6.5	52
-3.01	8.6	6.6	71
-4.14	8.6	6.8	90
-5.18	8.6	6.8	129
-6.12	8.5	6.9	141
-6.98	8.6	7.0	146
-7.90	8.5	7.0	157
-9.04	8.5	7.1	215
-10.01	8.5	7.1	168
-11.01	8.4	7.2	200
-11.91	8.4	7.3	194
-12.74	8.3	7.3	192
-13.77	8.3	7.4	206
-13.98	8.3	7.5	219
Depth Avg	**8.5**	**6.7**	**112**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:49
Time after/before HT [MET]:	0:29
Coordinates [UTM-ED50] Easting:	588567
Coordinates [UTM-ED50] Northing:	5684419
Water-Bottom Interface Siltpr. [m TAW]:	-13.95
Waterdepth 210 kHz Echo [m TAW]:	-13.96
Waterdepth 33 kHz Echo [m TAW]:	-14.05
Surface Elevation [m TAW]:	6.27

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.99	6.6	7.4	113
5.36	7.4	7.3	124
4.64	7.8	7.3	129
3.61	8.0	7.3	152
2.73	8.1	7.3	167
1.86	8.2	7.3	178
1.00	8.2	7.3	174
-0.13	8.2	7.2	178
-1.23	8.2	7.2	176
-2.27	8.2	7.2	180
-3.32	8.2	7.3	180
-4.22	8.2	7.3	194
-5.09	8.2	7.3	210
-6.11	8.2	7.3	188
-7.20	8.2	7.3	216
-8.11	8.2	7.3	221
-9.14	8.3	7.3	248
-10.11	8.2	7.4	336
-11.09	8.2	7.5	370
-11.99	8.2	7.5	394
-12.88	8.1	7.6	402
-13.72	8.1	7.6	728
-13.95	8.1	7.6	19131
Depth Avg	**8.1**	**7.3**	**264**



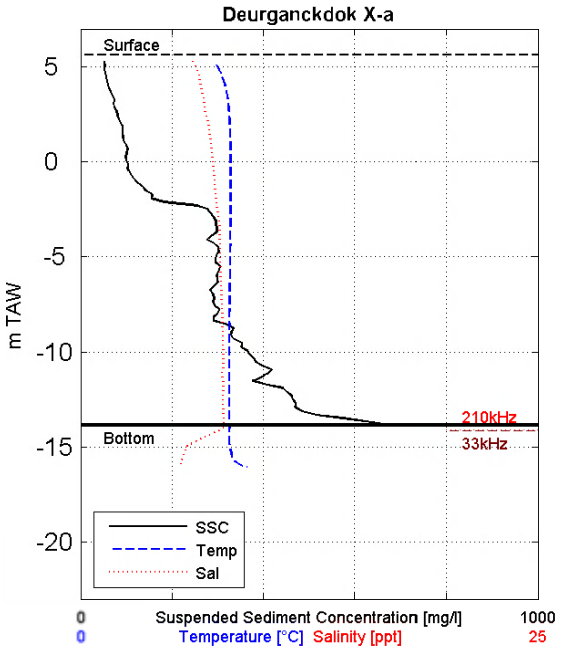
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

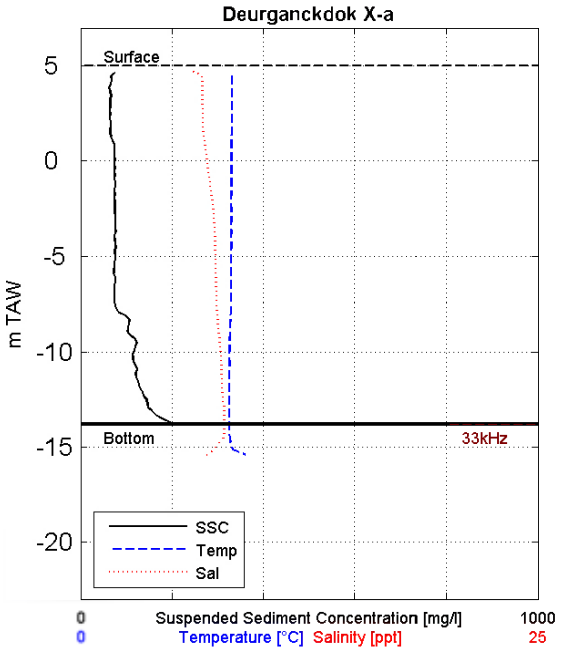
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4158Xa_ctd.sil 4173Xa_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:44
Time after/before HT [MET]:	1:24
Coordinates [UTM-ED50] Easting:	588563
Coordinates [UTM-ED50] Northing:	5684405
Water-Bottom Interface Siltpr. [m TAW]:	-13.83
Waterdepth 210 kHz Echo [m TAW]:	-14.09
Waterdepth 33 kHz Echo [m TAW]:	-14.11
Surface Elevation [m TAW]:	5.64

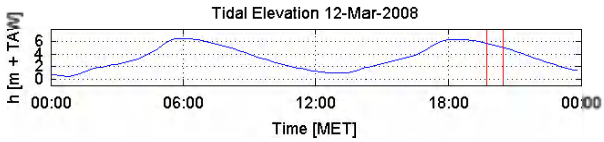
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.36	7.3	6.1	52
4.68	7.6	6.4	52
3.96	7.9	6.6	60
3.14	8.1	6.8	72
2.30	8.1	6.9	82
1.38	8.2	7.1	92
0.31	8.1	7.2	98
-0.83	8.2	7.3	113
-1.95	8.3	7.4	150
-3.13	8.2	7.6	292
-4.25	8.2	7.6	290
-5.18	8.2	7.6	292
-6.10	8.2	7.7	298
-6.97	8.1	7.7	296
-7.88	8.1	7.7	301
-8.78	8.1	7.8	333
-9.73	8.1	7.8	348
-10.58	8.1	7.8	384
-11.34	8.1	7.8	380
-12.09	8.1	7.8	455
-12.88	8.1	7.8	465
-13.70	8.1	7.8	627
-13.83	8.1	7.8	668
Depth Avg	**8.1**	**7.4**	**246**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:27
Time after/before HT [MET]:	2:07
Coordinates [UTM-ED50] Easting:	588579
Coordinates [UTM-ED50] Northing:	5684416
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-13.83
Surface Elevation [m TAW]:	5.00

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.71	8.3	5.8	80
4.01	8.3	6.7	65
3.31	8.3	6.7	62
2.56	8.3	6.7	66
1.68	8.3	6.7	65
0.58	8.3	6.8	72
-0.40	8.3	7.0	72
-1.45	8.2	7.1	73
-2.39	8.2	7.2	67
-3.29	8.2	7.3	77
-4.35	8.2	7.4	73
-5.33	8.2	7.4	73
-6.26	8.2	7.4	75
-7.19	8.2	7.4	72
-8.22	8.2	7.5	100
-9.13	8.2	7.6	107
-9.95	8.1	7.7	116
-10.66	8.1	7.7	119
-11.37	8.1	7.7	120
-12.19	8.1	7.8	137
-12.97	8.2	7.8	148
-13.73	8.1	7.9	191
-13.82	8.1	7.9	193
Depth Avg	**8.2**	**7.2**	**89**



Data Processed by: IMDC

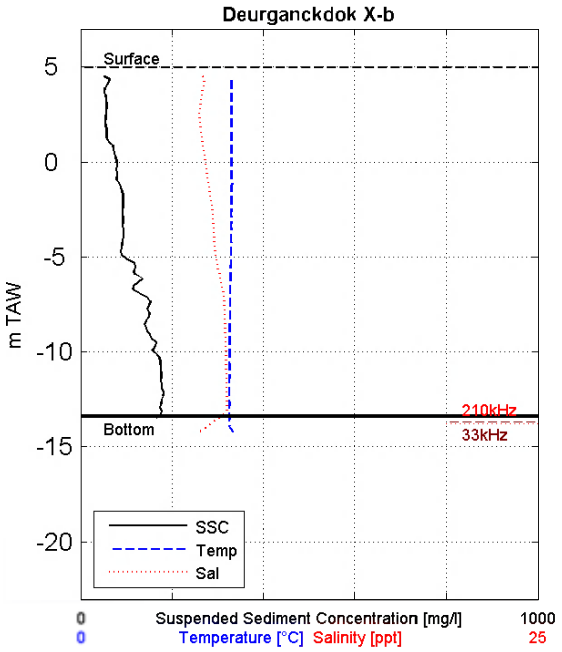
In association with :

I/RA/11283/07.091/MSA

F.2 Location Xb

Through tide measurements Siltprofiler 12 March 2008

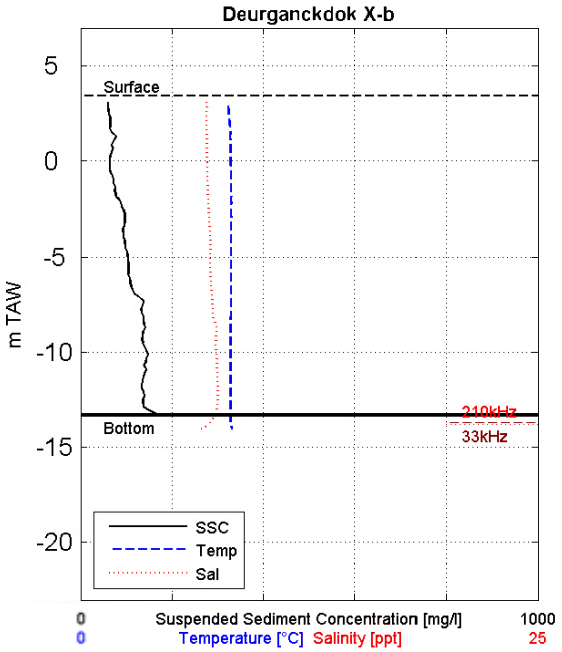
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4002Xb_ctd.sil 4019Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:10
Time after/before HT [MET]:	2:10
Coordinates [UTM-ED50] Easting:	588592
Coordinates [UTM-ED50] Northing:	5684476
Water-Bottom Interface Siltpr. [m TAW]:	-13.40
Waterdepth 210 kHz Echo [m TAW]:	-13.77
Waterdepth 33 kHz Echo [m TAW]:	-13.69
Surface Elevation [m TAW]:	4.94

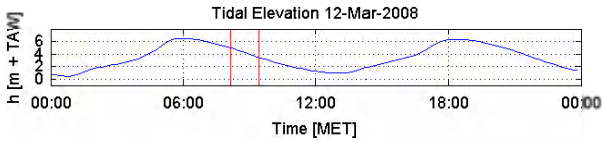
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.60	8.2	NaN	36
4.50	8.2	6.6	59
4.43	8.2	6.8	65
3.77	8.3	6.7	51
2.72	8.3	6.5	55
1.81	8.3	6.6	54
0.83	8.3	6.7	70
-0.25	8.3	6.8	74
-1.35	8.2	7.0	88
-2.43	8.3	7.2	95
-3.36	8.2	7.3	92
-4.27	8.3	7.3	91
-5.40	8.2	7.5	118
-6.29	8.2	7.7	126
-7.15	8.1	7.8	149
-8.08	8.2	7.9	153
-8.97	8.2	7.9	142
-9.87	8.2	7.9	156
-10.68	8.1	8.0	171
-11.61	8.1	8.0	177
-12.40	8.1	8.0	176
-13.23	8.1	7.9	175
-13.40	8.1	7.7	173
Depth Avg	**8.2**	**7.3**	**110**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:26
Time after/before HT [MET]:	3:26
Coordinates [UTM-ED50] Easting:	588597
Coordinates [UTM-ED50] Northing:	5684477
Water-Bottom Interface Siltpr. [m TAW]:	-13.31
Waterdepth 210 kHz Echo [m TAW]:	-13.81
Waterdepth 33 kHz Echo [m TAW]:	-13.72
Surface Elevation [m TAW]:	3.43

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.14	8.0	6.9	59
2.37	8.1	6.9	62
1.60	8.2	6.9	63
0.72	8.2	6.9	70
-0.07	8.2	6.9	62
-0.93	8.3	6.9	73
-1.71	8.2	7.0	81
-2.53	8.2	7.0	97
-3.34	8.2	7.0	94
-4.22	8.2	7.1	96
-5.08	8.2	7.1	101
-5.98	8.2	7.1	104
-6.69	8.2	7.1	115
-7.32	8.2	7.2	140
-7.95	8.2	7.2	141
-8.66	8.2	7.4	145
-9.52	8.2	7.4	138
-10.42	8.2	7.5	147
-11.14	8.2	7.4	139
-11.85	8.2	7.5	131
-12.50	8.2	7.5	134
-13.24	8.2	7.4	173
-13.31	8.2	7.4	178
Depth Avg	**8.2**	**7.1**	**104**



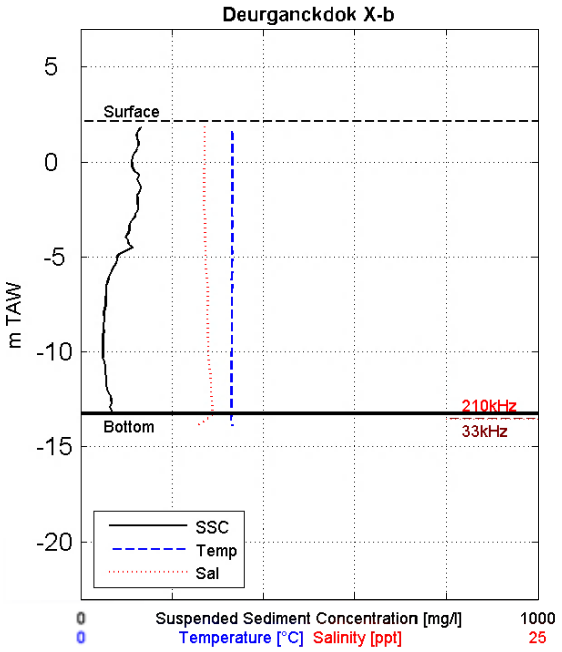
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

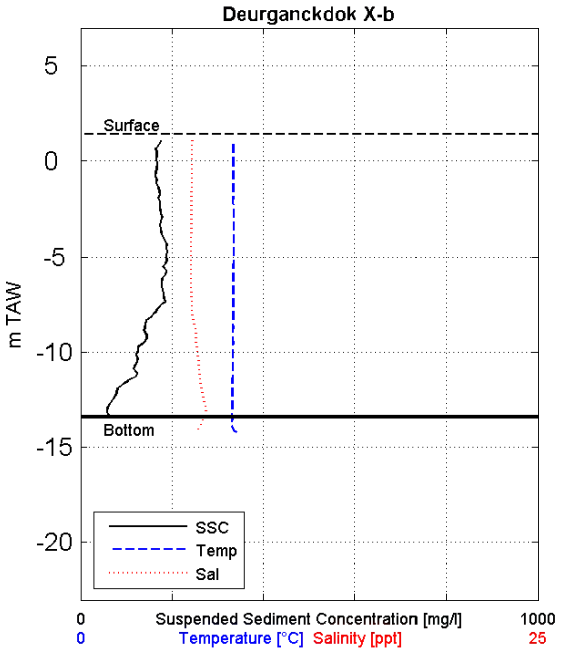
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4034Xb_ctd.sil 4050Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:43
Time after/before HT [MET]:	4:43
Coordinates [UTM-ED50] Easting:	588611
Coordinates [UTM-ED50] Northing:	5684500
Water-Bottom Interface Siltpr. [m TAW]:	-13.26
Waterdepth 210 kHz Echo [m TAW]:	-13.55
Waterdepth 33 kHz Echo [m TAW]:	-13.50
Surface Elevation [m TAW]:	2.14

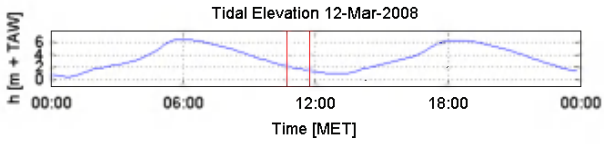
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.85	8.3	6.8	129
1.24	8.3	6.8	126
0.60	8.3	6.8	123
-0.15	8.2	6.8	114
-0.85	8.3	6.8	124
-1.53	8.3	6.8	124
-2.18	8.3	6.7	128
-2.94	8.3	6.8	121
-3.74	8.3	6.8	101
-4.53	8.3	6.8	113
-5.34	8.3	6.8	77
-6.05	8.3	6.9	60
-6.81	8.3	7.0	56
-7.54	8.3	7.0	52
-8.27	8.3	6.9	48
-8.98	8.2	7.0	52
-9.68	8.3	6.9	47
-10.46	8.2	7.0	53
-11.17	8.2	7.1	52
-11.82	8.2	7.1	58
-12.57	8.3	7.2	66
-13.26	8.3	7.2	77
-13.26	8.3	7.2	77
Depth Avg	**8.3**	**6.9**	**85**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:46
Time after/before HT [MET]:	5:46
Coordinates [UTM-ED50] Easting:	588614
Coordinates [UTM-ED50] Northing:	5684484
Water-Bottom Interface Siltpr. [m TAW]:	-13.41
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.39

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.10	8.3	6.1	173
0.47	8.4	6.0	168
-0.22	8.4	6.1	167
-0.88	8.4	6.1	166
-1.57	8.3	6.1	171
-2.36	8.3	6.0	175
-3.03	8.3	6.0	175
-3.80	8.4	6.0	176
-4.49	8.4	6.0	188
-5.21	8.3	6.0	187
-6.00	8.3	6.0	181
-6.76	8.3	6.0	180
-7.45	8.4	6.1	177
-8.14	8.3	6.1	156
-8.79	8.4	6.3	137
-9.44	8.3	6.3	142
-10.11	8.3	6.4	120
-10.79	8.3	6.5	115
-11.39	8.4	6.5	115
-12.02	8.3	6.6	77
-12.66	8.3	6.8	64
-13.23	8.3	6.8	60
-13.41	8.3	6.8	62
Depth Avg	**8.3**	**6.2**	**152**



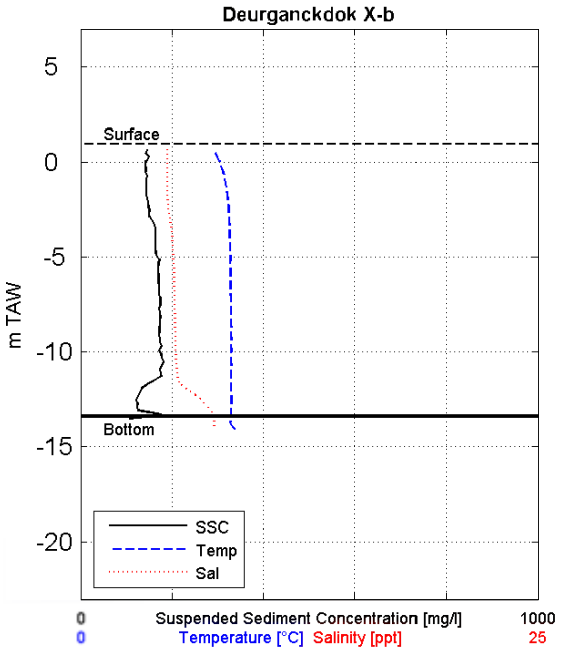
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

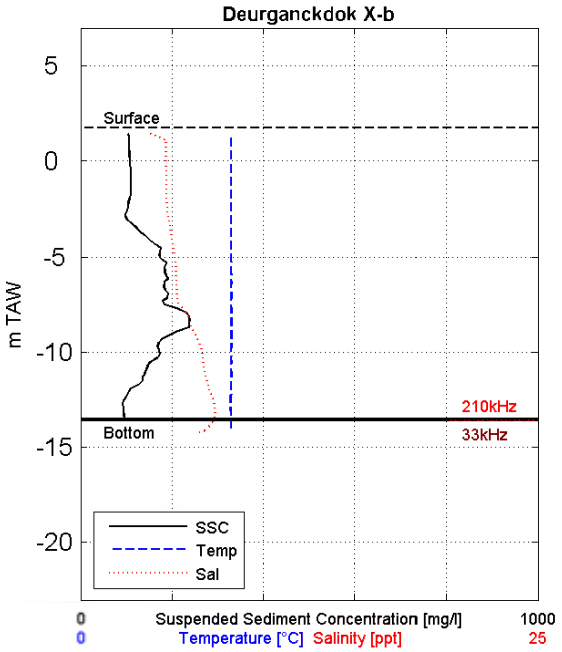
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4065Xb_ctd.sil 4080Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:18
Time after/before HT [MET]:	-5:01
Coordinates [UTM-ED50] Easting:	588605
Coordinates [UTM-ED50] Northing:	5684492
Water-Bottom Interface Siltpr. [m TAW]:	-13.40
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.98

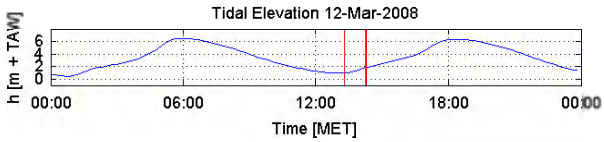
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.70	7.2	4.7	149
0.27	7.5	4.7	151
-0.37	7.8	4.7	141
-1.10	7.9	4.7	144
-1.70	8.0	4.7	142
-2.31	8.1	4.8	149
-2.89	8.1	4.9	149
-3.64	8.1	5.0	163
-4.36	8.2	5.0	163
-5.10	8.2	5.1	169
-5.89	8.2	5.1	170
-6.64	8.2	5.1	171
-7.35	8.2	5.1	174
-8.05	8.2	5.1	172
-8.72	8.2	5.1	172
-9.45	8.3	5.2	171
-10.12	8.2	5.2	177
-10.74	8.3	5.2	176
-11.35	8.2	5.3	179
-11.99	8.2	5.8	129
-12.68	8.2	6.7	124
-13.29	8.2	7.3	123
-13.40	8.2	7.3	142
Depth Avg	**8.1**	**5.2**	**159**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:15
Time after/before HT [MET]:	-4:04
Coordinates [UTM-ED50] Easting:	588621
Coordinates [UTM-ED50] Northing:	5684475
Water-Bottom Interface Siltpr. [m TAW]:	-13.55
Waterdepth 210 kHz Echo [m TAW]:	-13.56
Waterdepth 33 kHz Echo [m TAW]:	-13.62
Surface Elevation [m TAW]:	1.76

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.44	8.2	3.8	103
0.97	8.1	4.7	103
0.25	8.2	4.7	107
-0.54	8.2	4.7	112
-1.20	8.2	4.7	107
-1.97	8.3	4.7	108
-2.63	8.2	4.7	101
-3.38	8.2	4.9	118
-4.08	8.2	5.0	151
-4.94	8.2	5.1	171
-5.73	8.2	5.2	188
-6.46	8.2	5.2	177
-7.10	8.3	5.3	188
-7.80	8.2	5.7	225
-8.44	8.2	6.0	239
-9.07	8.2	6.3	191
-9.84	8.2	6.6	166
-10.62	8.3	6.7	142
-11.46	8.2	6.9	138
-12.16	8.3	7.1	100
-12.80	8.2	7.3	91
-13.49	8.2	7.3	97
-13.55	8.2	7.3	95
Depth Avg	**8.2**	**5.6**	**144**



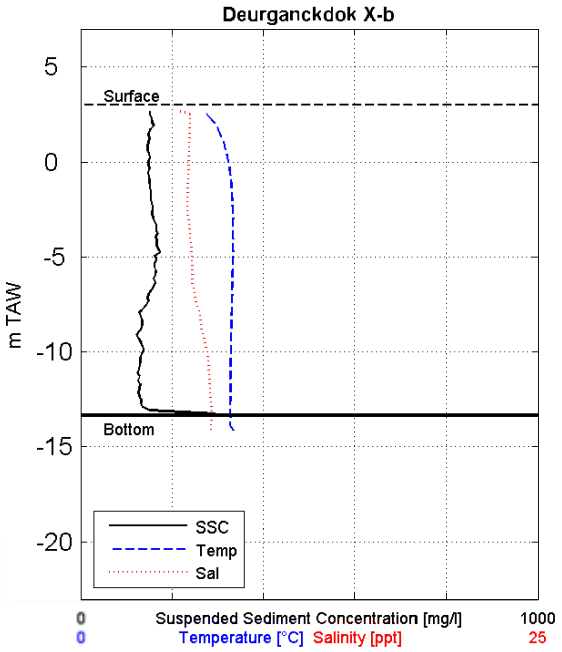
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

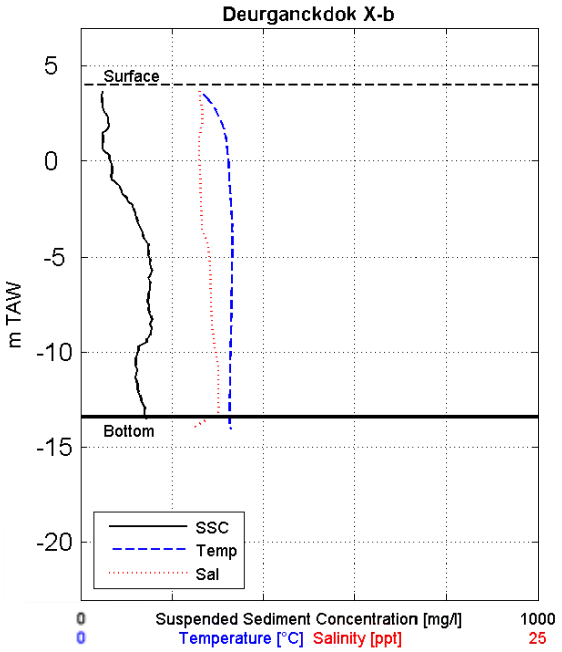
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4096Xb_ctd.sil 4111Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:35
Time after/before HT [MET]:	-2:44
Coordinates [UTM-ED50] Easting:	588623
Coordinates [UTM-ED50] Northing:	5684491
Water-Bottom Interface Siltpr. [m TAW]:	-13.38
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.97

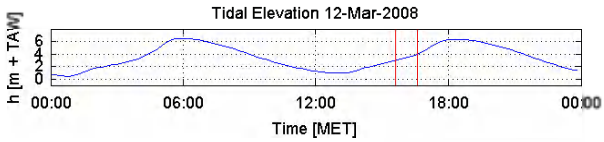
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.69	6.7	4.9	150
2.04	7.3	6.0	154
1.29	7.8	6.0	149
0.52	8.0	5.9	149
-0.20	8.1	5.9	149
-0.99	8.2	5.9	152
-1.78	8.2	5.8	150
-2.50	8.3	5.8	158
-3.23	8.3	5.9	165
-4.06	8.3	6.0	163
-4.82	8.3	6.1	177
-5.49	8.3	6.1	159
-6.24	8.3	6.1	165
-7.02	8.2	6.2	145
-7.79	8.2	6.4	128
-8.60	8.3	6.6	137
-9.42	8.2	6.8	128
-10.20	8.2	6.9	133
-10.96	8.2	7.0	125
-11.81	8.2	7.1	130
-12.59	8.3	7.1	136
-13.33	8.2	7.2	176
-13.38	8.2	7.2	155
Depth Avg	**8.1**	**6.3**	**148**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:35
Time after/before HT [MET]:	-1:44
Coordinates [UTM-ED50] Easting:	588618
Coordinates [UTM-ED50] Northing:	5684480
Water-Bottom Interface Siltpr. [m TAW]:	-13.42
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.99

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.71	6.5	6.5	46
3.05	7.1	6.6	47
2.29	7.6	6.7	58
1.61	7.9	6.6	55
0.83	8.0	6.5	48
0.01	8.1	6.5	60
-0.78	8.1	6.5	63
-1.55	8.2	6.6	84
-2.32	8.3	6.6	113
-3.09	8.3	6.6	127
-4.04	8.3	6.8	137
-4.84	8.3	7.0	143
-5.72	8.2	7.1	155
-6.62	8.2	7.1	151
-7.45	8.3	7.1	150
-8.31	8.3	7.2	157
-9.03	8.2	7.3	150
-9.83	8.2	7.3	128
-10.70	8.1	7.5	120
-11.51	8.1	7.5	126
-12.33	8.2	7.5	129
-13.32	8.2	7.3	140
-13.42	8.1	7.1	4396
Depth Avg	**8.1**	**6.9**	**117**



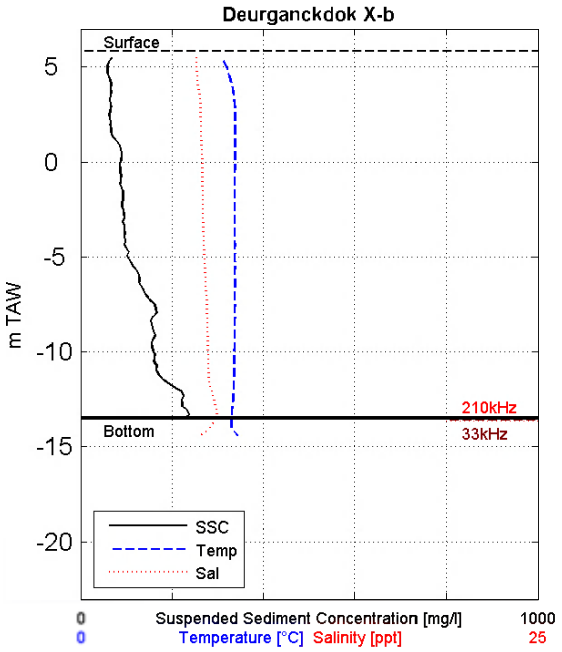
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

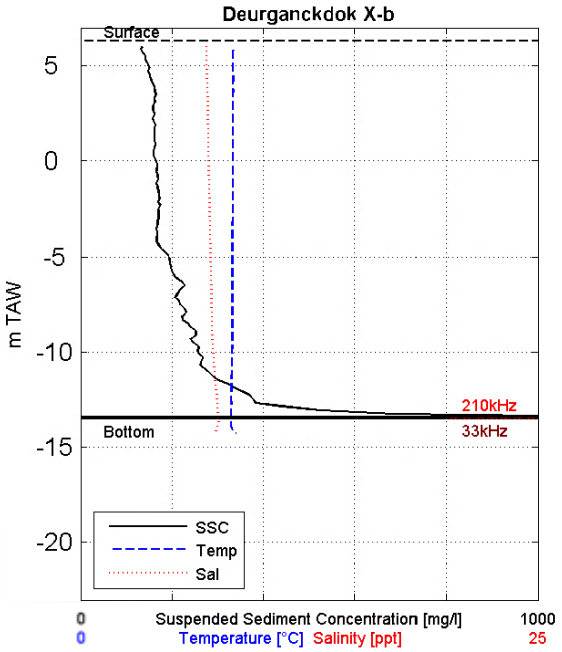
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4126Xb_ctd.sil 4142Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:31
Time after/before HT [MET]:	-0:48
Coordinates [UTM-ED50] Easting:	588605
Coordinates [UTM-ED50] Northing:	5684504
Water-Bottom Interface Siltpr. [m TAW]:	-13.49
Waterdepth 210 kHz Echo [m TAW]:	-13.65
Waterdepth 33 kHz Echo [m TAW]:	-13.61
Surface Elevation [m TAW]:	5.82

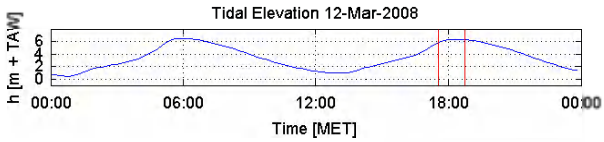
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.53	7.7	6.3	60
4.81	8.1	6.3	57
4.01	8.3	6.4	65
3.17	8.4	6.5	64
2.44	8.4	6.6	62
1.50	8.5	6.6	67
0.44	8.5	6.6	89
-0.59	8.5	6.7	91
-1.46	8.4	6.7	94
-2.36	8.4	6.7	93
-3.21	8.4	6.7	92
-4.05	8.4	6.7	98
-4.97	8.4	6.8	101
-5.93	8.4	6.8	122
-6.71	8.5	6.8	135
-7.56	8.4	6.9	168
-8.36	8.5	6.9	154
-9.41	8.4	6.9	158
-10.52	8.4	7.0	161
-11.48	8.4	7.0	184
-12.40	8.3	7.3	220
-13.34	8.3	7.5	236
-13.49	8.3	7.4	227
Depth Avg	**8.4**	**6.8**	**118**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:45
Time after/before HT [MET]:	0:25
Coordinates [UTM-ED50] Easting:	588616
Coordinates [UTM-ED50] Northing:	5684494
Water-Bottom Interface Siltpr. [m TAW]:	-13.49
Waterdepth 210 kHz Echo [m TAW]:	-13.50
Waterdepth 33 kHz Echo [m TAW]:	-13.47
Surface Elevation [m TAW]:	6.29

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.01	8.4	6.9	134
5.35	8.3	6.9	143
4.61	8.3	6.9	149
3.72	8.3	6.9	164
2.77	8.3	7.0	157
1.76	8.3	6.9	164
0.91	8.3	7.0	164
0.02	8.3	7.0	166
-1.00	8.3	7.0	170
-2.04	8.3	7.0	161
-2.98	8.3	7.0	171
-3.98	8.3	7.1	165
-5.07	8.3	7.1	194
-6.09	8.3	7.1	209
-7.11	8.3	7.2	204
-8.09	8.3	7.2	221
-9.14	8.3	7.2	255
-9.89	8.3	7.2	248
-10.78	8.3	7.3	259
-11.75	8.2	7.4	332
-12.67	8.2	7.5	383
-13.47	8.2	7.5	4362
-13.49	8.2	7.5	3146
Depth Avg	**8.3**	**7.1**	**216**



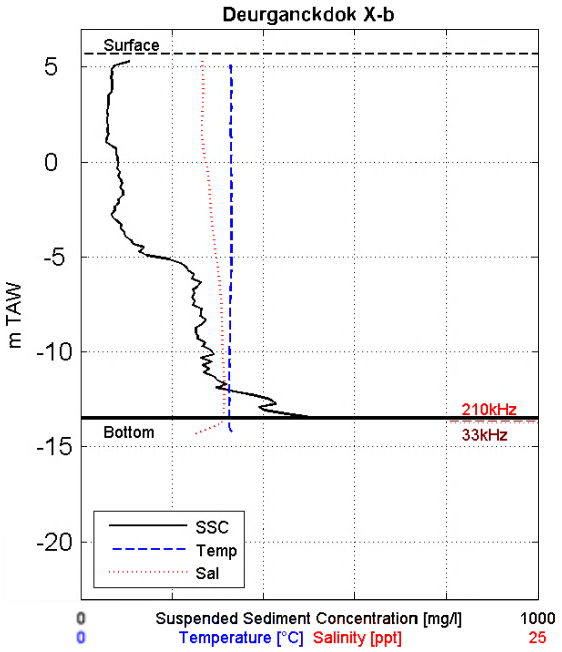
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

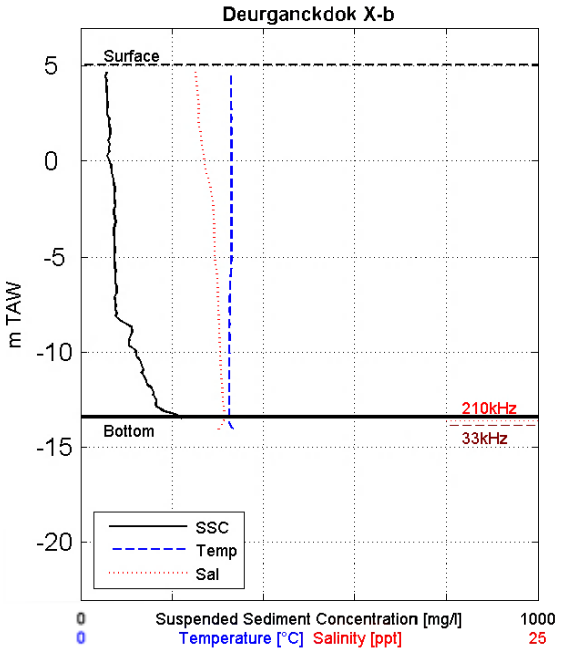
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4157Xb_ctd.sil 4172Xb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:42
Time after/before HT [MET]:	1:22
Coordinates [UTM-ED50] Easting:	588600
Coordinates [UTM-ED50] Northing:	5684480
Water-Bottom Interface Siltpr. [m TAW]:	-13.51
Waterdepth 210 kHz Echo [m TAW]:	-13.74
Waterdepth 33 kHz Echo [m TAW]:	-13.66
Surface Elevation [m TAW]:	5.67

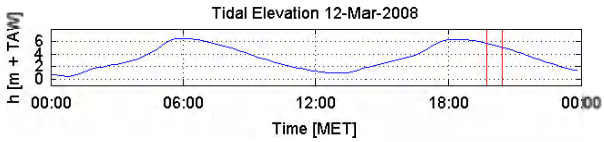
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.39	8.1	6.7	88
5.33	8.1	6.7	89
5.29	8.2	6.7	61
5.16	8.2	6.7	62
4.34	8.3	6.7	71
3.37	8.2	6.7	62
2.39	8.3	6.6	56
1.18	8.2	6.7	58
-0.03	8.2	6.9	92
-1.14	8.2	7.0	85
-2.16	8.2	7.1	95
-3.26	8.2	7.2	101
-4.43	8.2	7.3	114
-5.64	8.3	7.5	246
-6.70	8.2	7.6	239
-7.65	8.2	7.7	295
-8.77	8.2	7.7	261
-9.72	8.1	7.8	259
-10.75	8.1	7.8	264
-11.64	8.1	7.8	353
-12.56	8.1	7.8	380
-13.49	8.1	7.8	525
-13.51	8.1	7.8	1015
Depth Avg	**8.2**	**7.3**	**172**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:25
Time after/before HT [MET]:	2:05
Coordinates [UTM-ED50] Easting:	588640
Coordinates [UTM-ED50] Northing:	5684485
Water-Bottom Interface Siltpr. [m TAW]:	-13.44
Waterdepth 210 kHz Echo [m TAW]:	-13.63
Waterdepth 33 kHz Echo [m TAW]:	-13.85
Surface Elevation [m TAW]:	5.04

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.76	8.2	6.3	58
4.24	8.2	6.3	56
3.62	8.2	6.4	55
2.85	8.2	6.5	58
2.03	8.2	6.5	55
1.15	8.2	6.6	59
0.40	8.2	6.7	59
-0.56	8.3	6.9	69
-1.59	8.2	7.1	73
-2.67	8.3	7.3	71
-3.67	8.3	7.3	72
-4.60	8.2	7.3	74
-5.46	8.2	7.4	73
-6.21	8.1	7.5	74
-7.19	8.1	7.5	75
-8.33	8.1	7.5	89
-9.29	8.2	7.6	105
-10.15	8.1	7.6	121
-10.96	8.1	7.7	139
-11.78	8.1	7.7	151
-12.58	8.1	7.8	161
-13.40	8.1	7.9	220
-13.44	8.1	7.9	227
Depth Avg	**8.2**	**7.2**	**87**



Data Processed by: IMDC

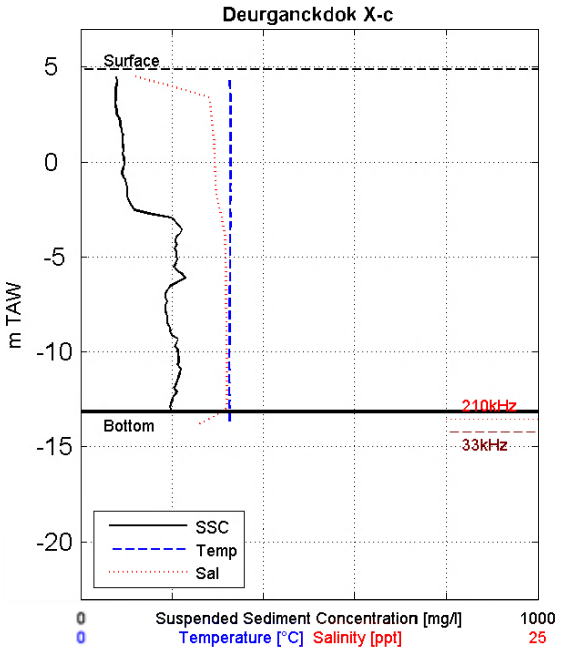
In association with :

I/RA/11283/07.091/MSA

F.3 Location Xc

Through tide measurements Siltprofiler 12 March 2008

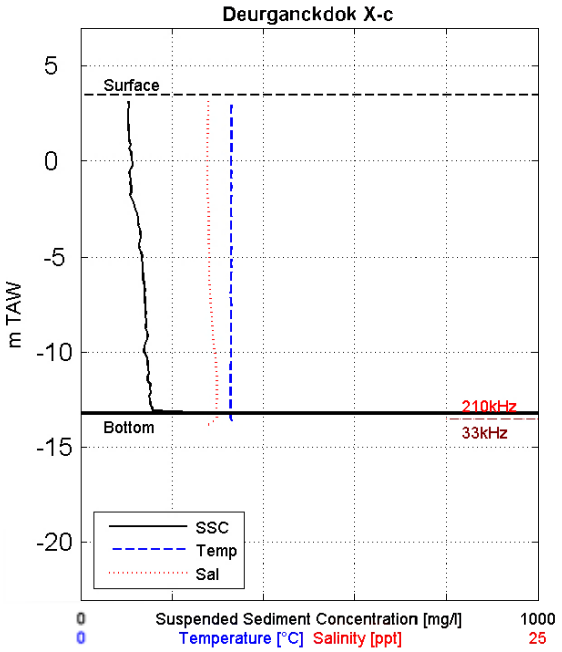
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4003Xc_ctd.sil 4018Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:16
Time after/before HT [MET]:	2:16
Coordinates [UTM-ED50] Easting:	588644
Coordinates [UTM-ED50] Northing:	5684575
Water-Bottom Interface Siltpr. [m TAW]:	-13.19
Waterdepth 210 kHz Echo [m TAW]:	-13.54
Waterdepth 33 kHz Echo [m TAW]:	-14.21
Surface Elevation [m TAW]:	4.85

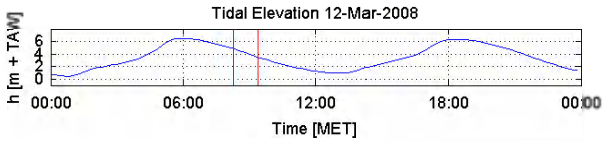
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.56	8.1	2.7	78
3.87	8.2	5.3	75
3.10	8.2	7.1	75
2.26	8.2	7.2	85
1.40	8.2	7.3	92
0.52	8.2	7.3	92
-0.46	8.2	7.3	90
-1.38	8.1	7.4	101
-2.26	8.2	7.6	107
-3.06	8.2	7.7	207
-3.95	8.2	7.9	208
-4.89	8.2	7.9	206
-5.74	8.1	7.9	216
-6.61	8.1	8.0	193
-7.49	8.2	8.0	191
-8.34	8.1	8.0	187
-9.27	8.2	8.0	212
-10.06	8.1	8.0	213
-10.90	8.1	8.0	221
-11.73	8.2	8.0	210
-12.48	8.1	8.0	201
-13.19	8.1	7.7	202
Depth Avg	**8.2**	**7.5**	**156**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:23
Time after/before HT [MET]:	3:23
Coordinates [UTM-ED50] Easting:	588649
Coordinates [UTM-ED50] Northing:	5684552
Water-Bottom Interface Siltpr. [m TAW]:	-13.25
Waterdepth 210 kHz Echo [m TAW]:	-13.53
Waterdepth 33 kHz Echo [m TAW]:	-13.52
Surface Elevation [m TAW]:	3.48

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.19	8.1	7.0	58
2.87	8.3	7.0	100
2.21	8.2	7.0	103
1.36	8.3	6.9	104
0.49	8.3	6.9	111
-0.33	8.3	6.9	107
-1.23	8.3	6.9	110
-2.04	8.2	7.0	112
-2.87	8.3	7.0	125
-3.70	8.2	7.0	129
-4.57	8.2	7.0	132
-5.32	8.2	7.0	139
-6.07	8.2	7.0	136
-6.91	8.2	7.1	139
-7.77	8.2	7.1	139
-8.62	8.2	7.2	142
-9.44	8.2	7.3	139
-10.15	8.2	7.3	144
-10.91	8.2	7.4	149
-11.65	8.2	7.5	148
-12.47	8.1	7.4	151
-13.24	8.2	7.5	1006
-13.25	8.2	7.5	139
Depth Avg	**8.2**	**7.1**	**129**



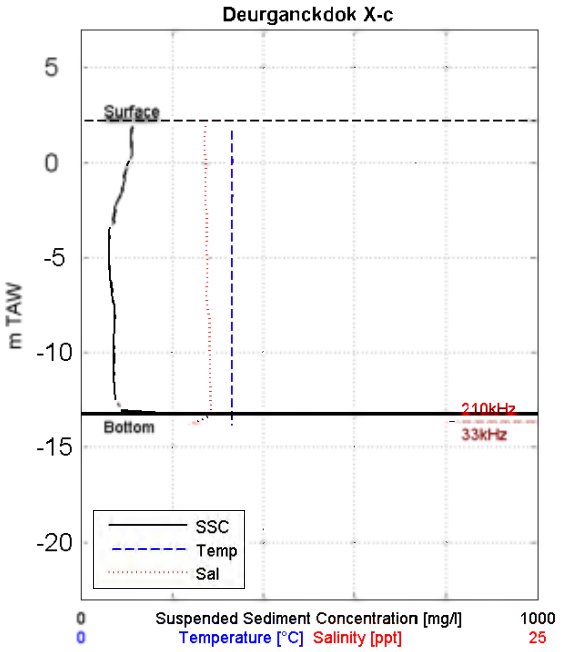
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

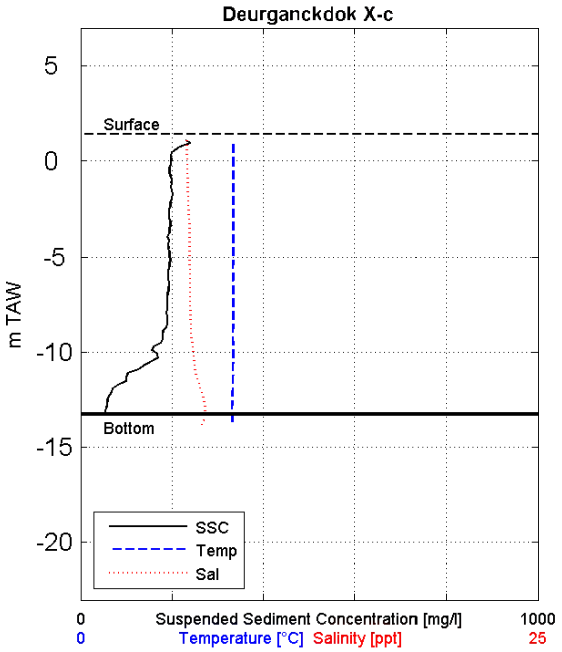
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4033Xc_ctd.sil 4049Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:41
Time after/before HT [MET]:	4:41
Coordinates [UTM-ED50] Easting:	588656
Coordinates [UTM-ED50] Northing:	5684549
Water-Bottom Interface Siltpr. [m TAW]:	-13.25
Waterdepth 210 kHz Echo [m TAW]:	-13.68
Waterdepth 33 kHz Echo [m TAW]:	-13.64
Surface Elevation [m TAW]:	2.18

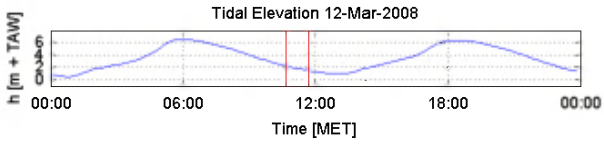
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.89	8.3	6.8	110
1.38	8.2	6.8	109
0.96	8.3	6.8	110
0.23	8.3	6.8	109
-0.40	8.3	6.8	96
-1.16	8.3	6.8	93
-1.90	8.3	6.8	80
-2.55	8.3	6.9	72
-3.36	8.3	6.9	65
-4.11	8.3	6.9	60
-4.91	8.3	6.9	60
-5.70	8.4	6.9	65
-6.52	8.3	6.9	65
-7.29	8.2	6.9	72
-8.02	8.3	7.0	72
-8.68	8.2	7.1	73
-9.39	8.3	7.1	71
-10.23	8.3	7.1	72
-11.03	8.3	7.1	73
-11.83	8.3	7.1	74
-12.55	8.3	7.1	80
-13.23	8.3	7.1	831
-13.25	8.2	7.1	2473
Depth Avg	**8.3**	**6.9**	**81**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:43
Time after/before HT [MET]:	5:43
Coordinates [UTM-ED50] Easting:	588642
Coordinates [UTM-ED50] Northing:	5684553
Water-Bottom Interface Siltpr. [m TAW]:	-13.29
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.42

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.13	8.3	5.8	220
1.10	8.3	5.8	246
1.08	8.4	5.8	240
1.00	8.3	5.8	252
0.39	8.3	5.8	199
-0.44	8.3	5.8	194
-1.28	8.3	5.8	199
-2.06	8.4	5.9	197
-2.84	8.3	5.9	186
-3.56	8.3	5.9	193
-4.40	8.3	6.0	191
-5.25	8.4	6.0	195
-6.04	8.3	6.0	190
-6.76	8.3	6.0	191
-7.61	8.3	6.0	191
-8.39	8.3	6.0	188
-9.25	8.3	6.0	179
-10.05	8.3	6.2	168
-10.81	8.4	6.2	132
-11.53	8.3	6.4	105
-12.26	8.3	6.7	61
-13.06	8.3	6.8	54
-13.29	8.3	6.8	140
Depth Avg	**8.3**	**6.1**	**172**



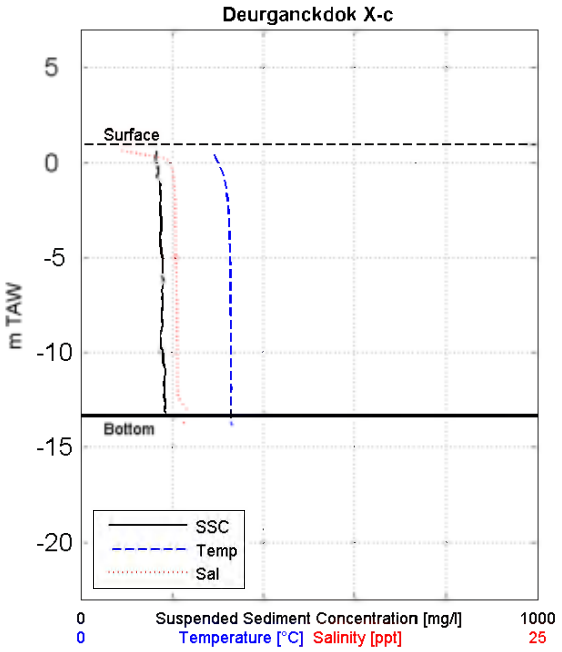
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

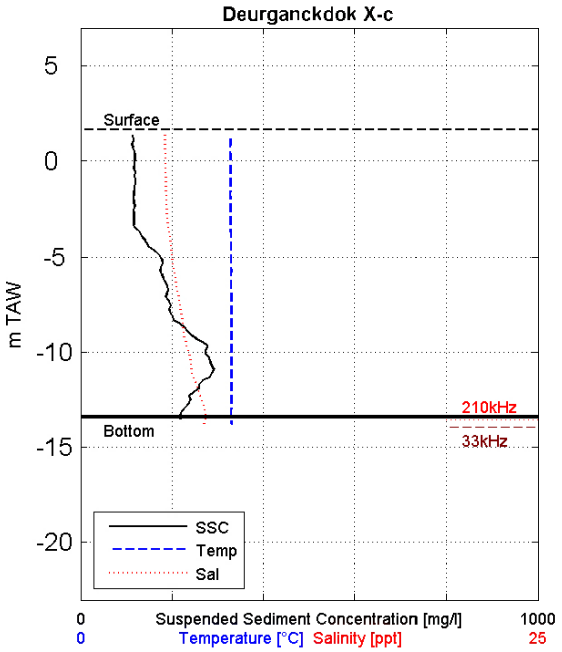
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4064Xc_ctd.sil 4079Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:16
Time after/before HT [MET]:	-5:03
Coordinates [UTM-ED50] Easting:	588639
Coordinates [UTM-ED50] Northing:	5684530
Water-Bottom Interface Siltpr. [m TAW]:	-13.34
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.97

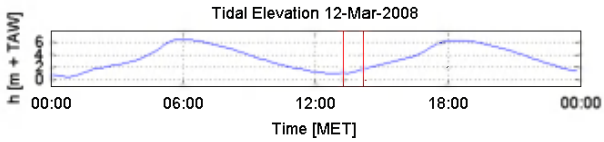
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.66	7.3	2.1	164
0.07	7.4	4.9	162
-0.49	7.7	5.0	168
-1.07	7.9	5.1	173
-1.75	8.0	5.1	176
-2.48	8.1	5.2	175
-3.23	8.1	5.2	175
-3.88	8.2	5.2	172
-4.54	8.2	5.2	177
-5.41	8.2	5.2	180
-6.05	8.2	5.2	177
-6.71	8.2	5.2	177
-7.42	8.2	5.3	179
-8.06	8.2	5.3	177
-8.72	8.2	5.3	179
-9.35	8.2	5.3	174
-9.82	8.2	5.3	179
-10.43	8.2	5.3	181
-11.13	8.2	5.3	186
-11.85	8.2	5.3	184
-12.47	8.2	5.3	185
-13.11	8.2	5.9	180
-13.34	8.2	5.9	163
Depth Avg	**8.1**	**5.1**	**177**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:10
Time after/before HT [MET]:	-4:09
Coordinates [UTM-ED50] Easting:	588663
Coordinates [UTM-ED50] Northing:	5684542
Water-Bottom Interface Siltpr. [m TAW]:	-13.44
Waterdepth 210 kHz Echo [m TAW]:	-13.58
Waterdepth 33 kHz Echo [m TAW]:	-13.96
Surface Elevation [m TAW]:	1.67

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.39	8.1	4.6	106
1.35	8.1	4.6	110
1.09	8.2	4.6	113
0.57	8.2	4.6	118
0.00	8.2	4.6	117
-0.62	8.2	4.6	112
-1.41	8.2	4.7	120
-2.32	8.2	4.7	116
-3.18	8.2	4.8	116
-4.02	8.3	4.9	144
-4.83	8.2	5.0	166
-5.69	8.2	5.1	174
-6.53	8.2	5.2	191
-7.18	8.2	5.4	190
-8.03	8.2	5.5	208
-8.75	8.3	5.6	230
-9.42	8.2	5.7	262
-10.26	8.3	6.0	278
-11.02	8.3	6.1	291
-11.76	8.3	6.4	261
-12.63	8.3	6.7	238
-13.43	8.2	6.8	222
-13.44	8.2	6.8	223
Depth Avg	**8.2**	**5.3**	**182**



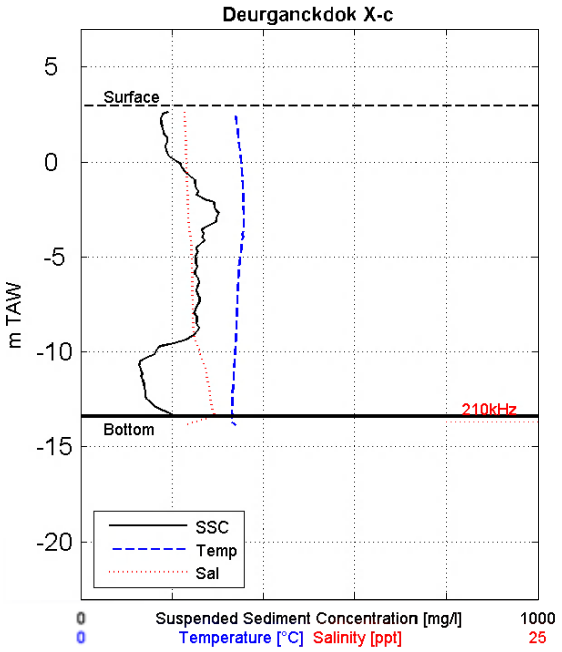
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

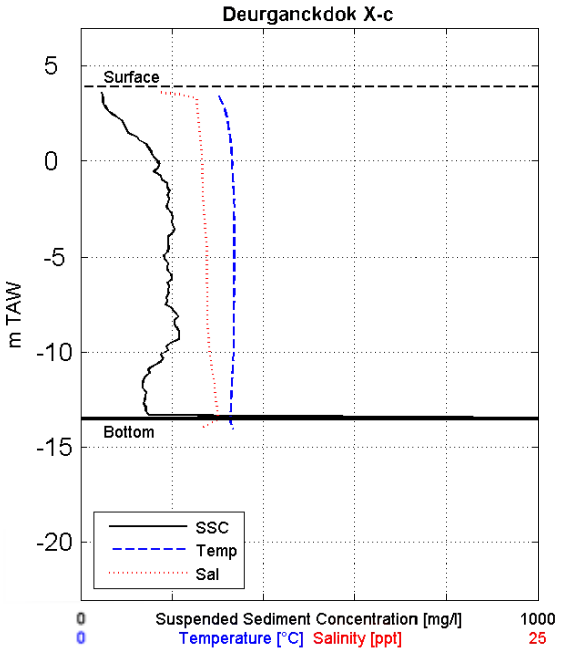
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4095Xc_ctd.sil 4110Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:32
Time after/before HT [MET]:	-2:47
Coordinates [UTM-ED50] Easting:	588659
Coordinates [UTM-ED50] Northing:	5684565
Water-Bottom Interface Siltpr. [m TAW]:	-13.40
Waterdepth 210 kHz Echo [m TAW]:	-13.70
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.92

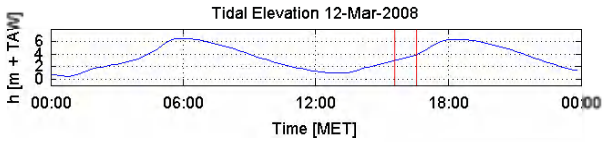
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.63	8.5	5.7	203
2.03	8.5	5.7	179
1.42	8.6	5.7	184
0.81	8.7	5.8	185
0.27	8.7	5.8	197
-0.28	8.8	5.8	226
-0.84	8.8	5.8	250
-1.45	8.9	5.8	257
-2.20	8.9	5.9	296
-3.12	8.9	5.9	300
-4.07	8.8	6.0	269
-4.94	8.7	6.1	252
-5.72	8.6	6.1	254
-6.73	8.6	6.1	252
-7.69	8.5	6.1	257
-8.57	8.5	6.1	255
-9.41	8.5	6.3	207
-10.16	8.4	6.6	163
-10.94	8.4	6.8	130
-11.71	8.4	7.0	134
-12.46	8.3	7.1	144
-13.21	8.3	7.3	186
-13.40	8.3	7.2	766
Depth Avg	**8.6**	**6.2**	**221**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:32
Time after/before HT [MET]:	-1:47
Coordinates [UTM-ED50] Easting:	588659
Coordinates [UTM-ED50] Northing:	5684564
Water-Bottom Interface Siltpr. [m TAW]:	-13.50
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.91

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.61	7.5	4.4	45
3.07	7.8	6.3	48
2.48	8.0	6.4	69
1.81	8.1	6.5	98
1.03	8.2	6.6	141
0.31	8.2	6.6	168
-0.44	8.3	6.6	151
-1.16	8.3	6.7	195
-1.88	8.4	6.7	196
-2.86	8.5	6.8	201
-3.87	8.4	6.8	190
-4.83	8.4	6.9	184
-5.82	8.4	6.9	191
-6.76	8.4	6.9	191
-7.59	8.4	6.9	192
-8.27	8.4	6.9	207
-9.06	8.4	7.0	216
-9.98	8.4	7.0	182
-10.93	8.3	7.2	152
-11.71	8.3	7.3	132
-12.56	8.2	7.4	137
-13.33	8.2	7.5	153
-13.50	8.2	7.5	147
Depth Avg	**8.3**	**6.8**	**166**



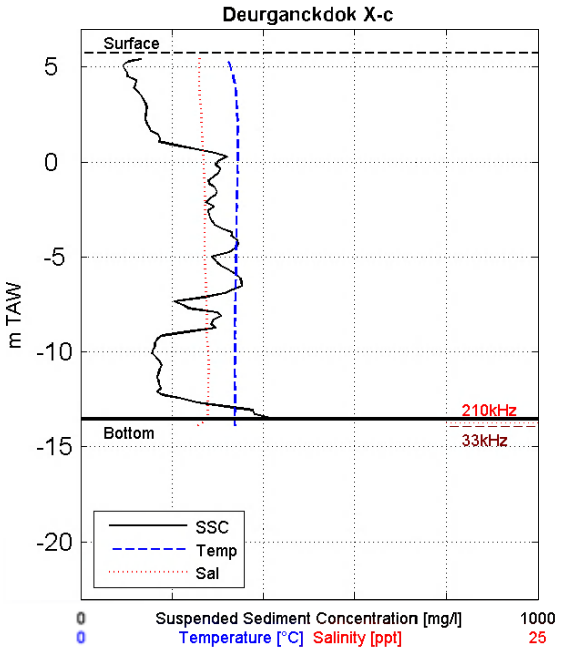
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

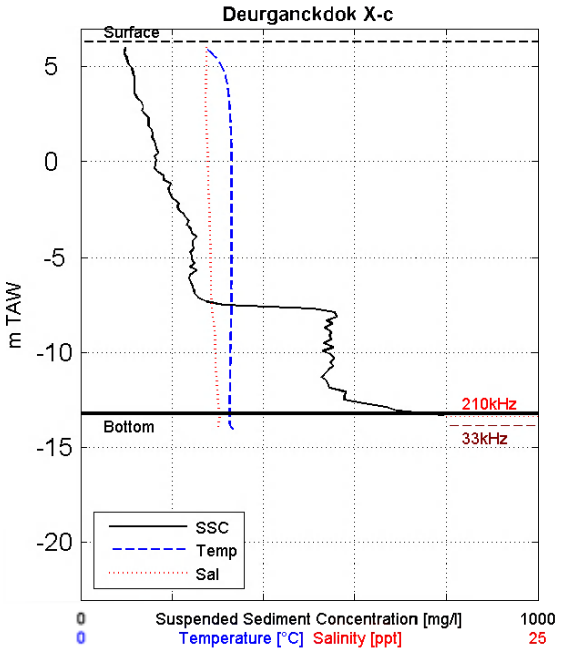
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4125Xc_ctd.sil 4141Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:29
Time after/before HT [MET]:	-0:50
Coordinates [UTM-ED50] Easting:	588667
Coordinates [UTM-ED50] Northing:	5684566
Water-Bottom Interface Siltpr. [m TAW]:	-13.55
Waterdepth 210 kHz Echo [m TAW]:	-13.75
Waterdepth 33 kHz Echo [m TAW]:	-13.95
Surface Elevation [m TAW]:	5.75

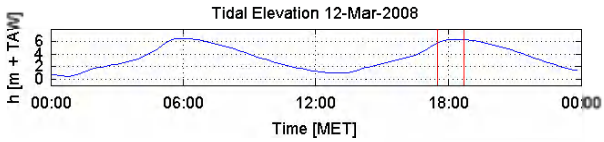
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.46	8.0	6.5	165
4.87	8.3	6.4	99
4.28	8.4	6.5	123
3.59	8.5	6.5	132
2.87	8.6	6.6	147
2.14	8.6	6.6	144
1.15	8.6	6.7	170
-0.04	8.6	6.7	290
-1.21	8.6	6.8	290
-2.26	8.6	6.8	295
-3.24	8.6	6.8	276
-4.23	8.5	6.8	342
-5.23	8.5	6.8	299
-6.26	8.5	6.8	352
-7.16	8.4	6.9	285
-8.06	8.4	6.9	312
-8.93	8.4	6.9	208
-9.87	8.4	7.0	157
-10.79	8.4	7.0	173
-11.63	8.4	7.0	174
-12.53	8.4	6.9	237
-13.47	8.4	7.0	408
-13.55	8.5	6.9	438
Depth Avg	**8.5**	**6.8**	**235**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:41
Time after/before HT [MET]:	0:21
Coordinates [UTM-ED50] Easting:	588641
Coordinates [UTM-ED50] Northing:	5684579
Water-Bottom Interface Siltpr. [m TAW]:	-13.22
Waterdepth 210 kHz Echo [m TAW]:	-13.39
Waterdepth 33 kHz Echo [m TAW]:	-13.84
Surface Elevation [m TAW]:	6.31

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.03	6.9	6.9	100
5.45	7.4	6.9	101
4.80	7.8	6.9	113
4.03	8.1	6.8	117
2.97	8.1	6.8	143
1.87	8.2	6.9	150
0.88	8.3	6.9	162
-0.04	8.3	6.9	164
-0.97	8.3	7.0	178
-1.91	8.3	7.0	204
-3.01	8.3	7.0	234
-4.05	8.3	7.1	248
-5.01	8.3	7.1	254
-5.75	8.3	7.1	258
-6.54	8.2	7.1	250
-7.44	8.3	7.2	280
-8.50	8.2	7.3	536
-9.59	8.2	7.4	481
-10.54	8.2	7.4	580
-11.35	8.1	7.4	535
-12.21	8.1	7.5	592
-13.15	8.1	7.6	703
-13.22	8.1	7.6	794
Depth Avg	**8.1**	**7.1**	**292**



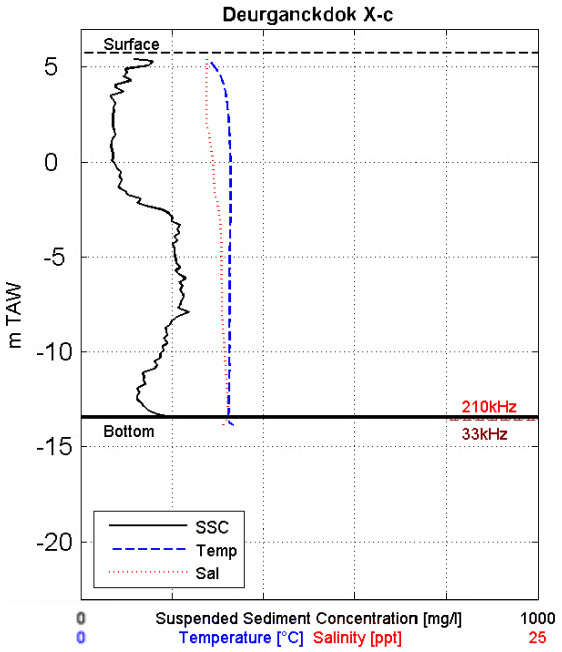
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

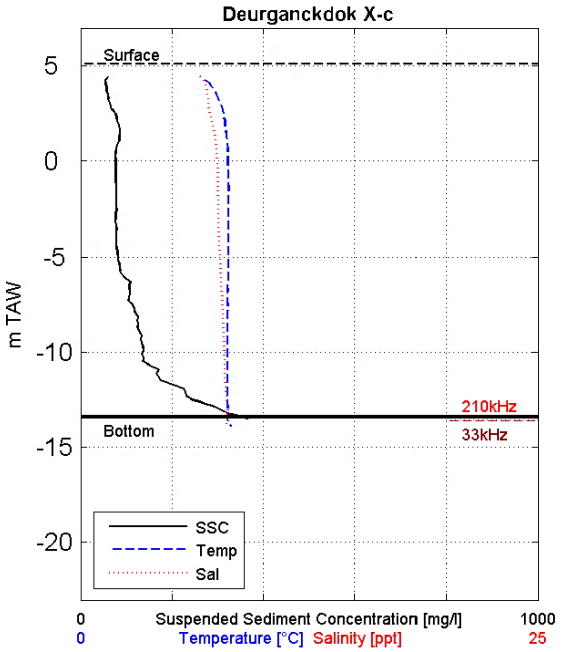
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4156Xc_ctd.sil 4171Xc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:40
Time after/before HT [MET]:	1:20
Coordinates [UTM-ED50] Easting:	588651
Coordinates [UTM-ED50] Northing:	5684552
Water-Bottom Interface Siltpr. [m TAW]:	-13.46
Waterdepth 210 kHz Echo [m TAW]:	-13.56
Waterdepth 33 kHz Echo [m TAW]:	-13.62
Surface Elevation [m TAW]:	5.70

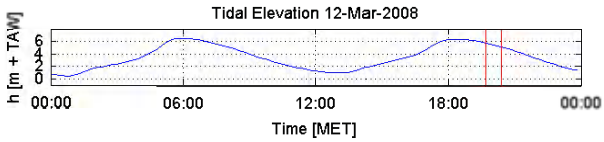
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.42	7.0	6.9	154
4.72	7.5	6.9	94
4.00	7.9	6.9	67
3.10	8.0	6.9	64
1.91	8.1	6.9	64
0.85	8.2	7.1	61
-0.23	8.3	7.3	65
-1.22	8.2	7.3	70
-2.18	8.2	7.5	115
-3.05	8.2	7.6	195
-4.06	8.2	7.7	196
-4.89	8.2	7.7	180
-5.75	8.1	7.7	228
-6.52	8.1	7.7	221
-7.44	8.1	7.7	200
-8.30	8.2	7.7	198
-9.17	8.2	7.8	196
-9.95	8.1	7.9	167
-10.80	8.1	7.9	183
-11.66	8.1	8.0	147
-12.50	8.1	8.0	117
-13.43	8.1	8.1	215
-13.46	8.1	8.1	161
Depth Avg	**8.1**	**7.5**	**145**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:22
Time after/before HT [MET]:	2:02
Coordinates [UTM-ED50] Easting:	588662
Coordinates [UTM-ED50] Northing:	5684558
Water-Bottom Interface Siltpr. [m TAW]:	-13.43
Waterdepth 210 kHz Echo [m TAW]:	-13.56
Waterdepth 33 kHz Echo [m TAW]:	-13.63
Surface Elevation [m TAW]:	5.08

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.57	6.5	6.4	63
3.90	7.2	6.9	56
3.13	7.6	7.0	62
2.32	7.8	7.1	77
1.42	8.0	7.3	85
0.56	8.0	7.4	77
-0.38	8.0	7.5	76
-1.42	8.1	7.5	76
-2.35	8.1	7.5	79
-3.20	8.0	7.5	76
-4.06	8.1	7.6	74
-4.94	8.1	7.6	82
-5.79	8.1	7.6	88
-6.49	8.0	7.7	108
-7.24	8.0	7.8	98
-8.17	8.0	7.8	127
-8.96	8.0	7.8	128
-9.90	8.1	7.8	139
-10.82	8.1	7.8	170
-11.70	8.1	7.9	192
-12.49	8.1	8.0	240
-13.25	8.0	8.1	322
-13.43	8.0	8.0	352
Depth Avg	**7.9**	**7.5**	**110**



Data Processed by: IMDC

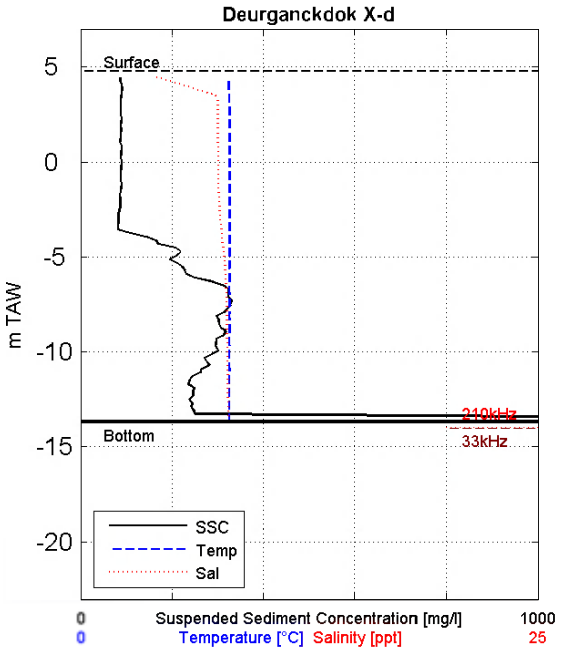
In association with :

I/RA/11283/07.091/MSA

F.4 Location Xd

Through tide measurements Siltprofiler 12 March 2008

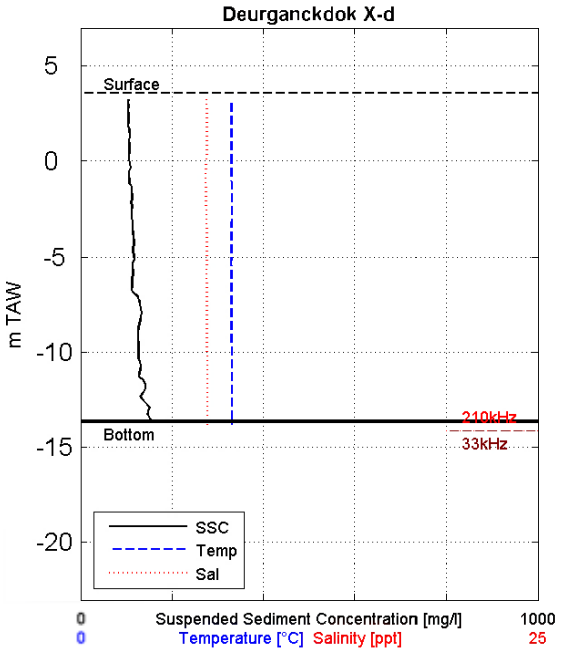
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4004Xd_ctd.sil 4017Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:21
Time after/before HT [MET]:	2:21
Coordinates [UTM-ED50] Easting:	588689
Coordinates [UTM-ED50] Northing:	5684643
Water-Bottom Interface Siltpr. [m TAW]:	-13.72
Waterdepth 210 kHz Echo [m TAW]:	-13.96
Waterdepth 33 kHz Echo [m TAW]:	-14.02
Surface Elevation [m TAW]:	4.76

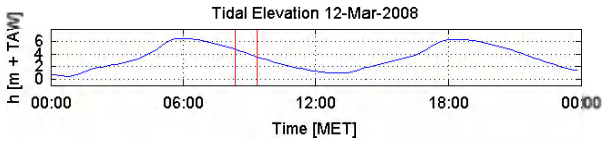
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.47	8.1	4.1	85
3.67	8.1	6.9	86
2.68	8.1	7.5	88
1.67	8.2	7.5	87
0.69	8.2	7.5	91
-0.21	8.2	7.5	91
-1.09	8.1	7.5	89
-1.96	8.1	7.6	84
-2.90	8.1	7.6	80
-3.93	8.1	7.7	147
-5.00	8.1	7.8	187
-6.02	8.1	7.9	250
-7.00	8.1	8.0	328
-8.09	8.1	8.0	296
-9.19	8.1	8.0	305
-10.14	8.1	8.0	282
-11.10	8.1	8.0	258
-12.01	8.1	8.0	253
-12.99	8.1	8.1	234
-13.57	8.2	8.1	2949
-13.62	8.2	8.1	267
-13.67	8.1	8.1	294
-13.72	8.1	8.1	2046
Depth Avg	**8.1**	**7.6**	**200**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:20
Time after/before HT [MET]:	3:20
Coordinates [UTM-ED50] Easting:	588708
Coordinates [UTM-ED50] Northing:	5684644
Water-Bottom Interface Siltpr. [m TAW]:	-13.64
Waterdepth 210 kHz Echo [m TAW]:	-14.14
Waterdepth 33 kHz Echo [m TAW]:	-14.13
Surface Elevation [m TAW]:	3.55

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.27	8.3	6.9	103
3.27	8.3	6.9	104
3.25	8.2	6.9	97
3.23	8.3	6.9	101
3.19	8.3	6.9	115
2.63	8.3	6.9	101
1.81	8.2	6.9	105
0.86	8.3	6.9	106
-0.35	8.3	6.8	109
-1.54	8.3	6.8	112
-2.56	8.2	6.9	114
-3.57	8.2	6.9	113
-4.55	8.3	6.9	114
-5.53	8.3	6.9	115
-6.53	8.3	6.9	115
-7.49	8.3	6.9	131
-8.58	8.2	6.9	128
-9.66	8.3	6.9	128
-10.73	8.3	6.9	131
-11.73	8.2	6.9	142
-12.60	8.3	6.9	141
-13.53	8.3	6.9	157
-13.64	8.2	6.9	158
Depth Avg	**8.2**	**6.9**	**119**



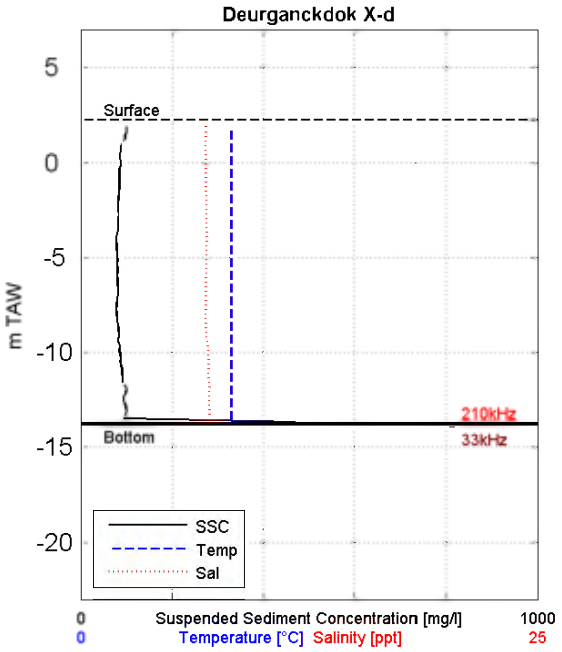
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

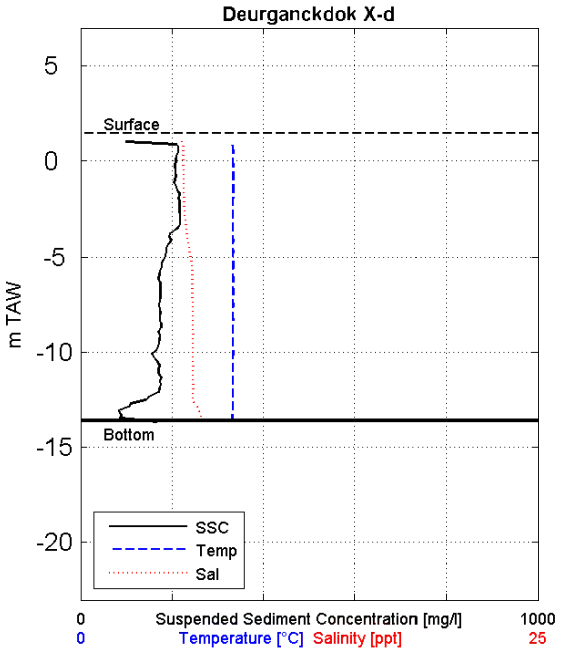
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4032Xd_ctd.sil 4048Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:37
Time after/before HT [MET]:	4:37
Coordinates [UTM-ED50] Easting:	588696
Coordinates [UTM-ED50] Northing:	5684613
Water-Bottom Interface Siltpr. [m TAW]:	-13.78
Waterdepth 210 kHz Echo [m TAW]:	-13.93
Waterdepth 33 kHz Echo [m TAW]:	-13.92
Surface Elevation [m TAW]:	2.24

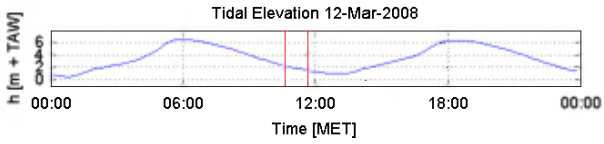
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.94	8.2	6.8	98
1.39	8.2	6.9	95
0.78	8.3	6.8	85
0.06	8.3	6.9	88
-0.60	8.3	6.9	85
-1.31	8.3	6.8	83
-2.11	8.2	6.8	81
-2.96	8.2	6.9	85
-3.79	8.2	6.9	76
-4.62	8.3	6.9	78
-5.49	8.3	6.8	79
-6.31	8.3	6.8	78
-7.24	8.3	6.9	80
-8.18	8.3	6.8	79
-9.03	8.2	6.9	81
-9.89	8.3	7.0	82
-10.69	8.2	7.0	88
-11.45	8.2	7.0	92
-12.30	8.2	7.0	89
-13.18	8.3	7.0	101
-13.66	8.3	7.1	704
-13.73	8.2	7.1	1643
-13.78	8.2	7.1	593
Depth Avg	**8.3**	**6.9**	**88**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:39
Time after/before HT [MET]:	5:39
Coordinates [UTM-ED50] Easting:	588709
Coordinates [UTM-ED50] Northing:	5684645
Water-Bottom Interface Siltpr. [m TAW]:	-13.63
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.45

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.03	8.3	5.5	94
0.86	8.3	5.6	213
0.82	8.3	5.6	211
0.78	8.3	5.6	214
0.29	8.3	5.6	210
-0.33	8.3	5.6	205
-1.07	8.3	5.6	203
-1.86	8.3	5.6	215
-2.62	8.4	5.7	216
-3.34	8.3	5.8	216
-4.09	8.3	5.8	203
-4.87	8.3	6.0	184
-5.68	8.3	6.1	166
-6.71	8.4	6.1	175
-7.68	8.3	6.1	174
-8.48	8.3	6.1	175
-9.36	8.3	6.1	170
-10.33	8.3	6.2	165
-11.13	8.3	6.1	170
-11.71	8.3	6.1	176
-12.52	8.3	6.2	149
-13.42	8.3	6.6	88
-13.63	8.3	6.7	76
Depth Avg	**8.3**	**6.0**	**178**



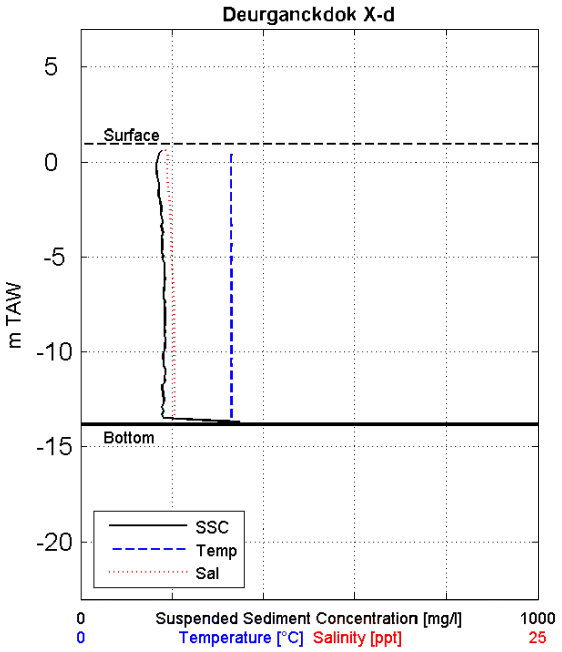
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

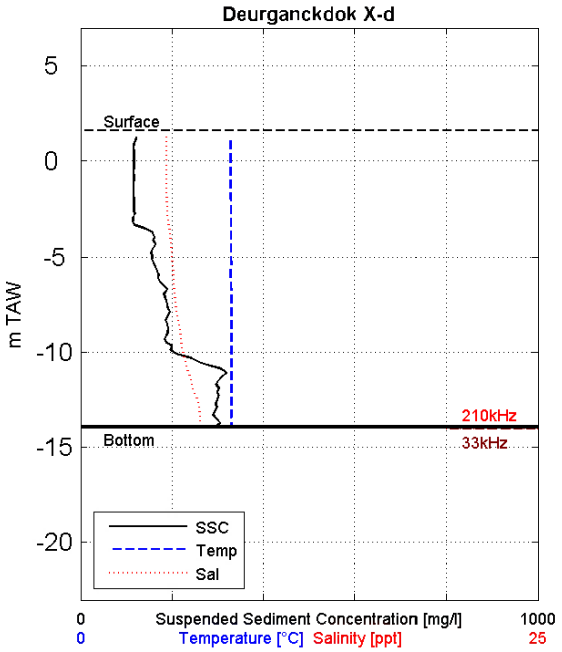
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4063Xd_ctd.sil 4078Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:12
Time after/before HT [MET]:	-5:07
Coordinates [UTM-ED50] Easting:	588713
Coordinates [UTM-ED50] Northing:	5684643
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.96

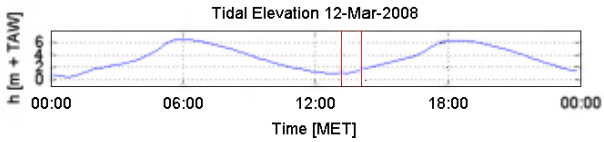
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.68	8.3	4.6	181
-0.01	8.2	4.7	166
-0.50	8.2	4.7	166
-1.17	8.2	4.8	173
-2.07	8.2	4.9	173
-2.85	8.2	4.9	177
-3.70	8.2	4.9	180
-4.66	8.2	5.0	177
-5.55	8.2	5.0	183
-6.35	8.3	5.0	185
-7.17	8.2	5.1	179
-8.14	8.2	5.1	190
-9.10	8.3	5.1	185
-10.02	8.3	5.1	179
-11.04	8.3	5.1	185
-11.94	8.3	5.1	180
-12.68	8.2	5.1	180
-13.40	8.3	5.1	184
-13.67	8.2	5.1	467
-13.70	8.3	5.1	174
-13.71	8.3	5.1	331
-13.73	8.3	5.1	463
-13.82	8.2	5.1	228
Depth Avg	**8.2**	**5.0**	**181**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:07
Time after/before HT [MET]:	-4:12
Coordinates [UTM-ED50] Easting:	588699
Coordinates [UTM-ED50] Northing:	5684609
Water-Bottom Interface Siltpr. [m TAW]:	-13.94
Waterdepth 210 kHz Echo [m TAW]:	-14.05
Waterdepth 33 kHz Echo [m TAW]:	-14.05
Surface Elevation [m TAW]:	1.60

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.32	8.1	4.7	134
0.98	8.3	4.7	118
0.12	8.2	4.7	117
-0.77	8.2	4.7	117
-1.55	8.2	4.7	117
-2.41	8.2	4.7	115
-3.15	8.2	4.8	114
-3.97	8.2	4.9	158
-4.89	8.2	5.0	152
-5.84	8.2	5.0	168
-6.71	8.2	5.1	191
-7.55	8.2	5.2	191
-8.45	8.3	5.4	197
-9.14	8.2	5.5	187
-10.01	8.2	5.6	194
-10.81	8.3	5.8	292
-11.60	8.2	6.0	298
-12.40	8.2	6.3	282
-13.16	8.3	6.5	294
-13.83	8.2	6.6	150
-13.87	8.2	6.6	136
-13.91	8.2	6.6	287
-13.94	8.3	6.6	468
Depth Avg	**8.2**	**5.3**	**185**



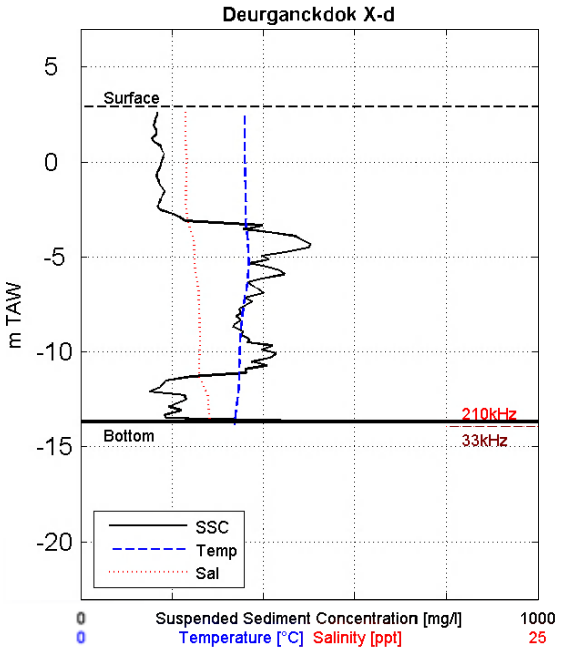
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

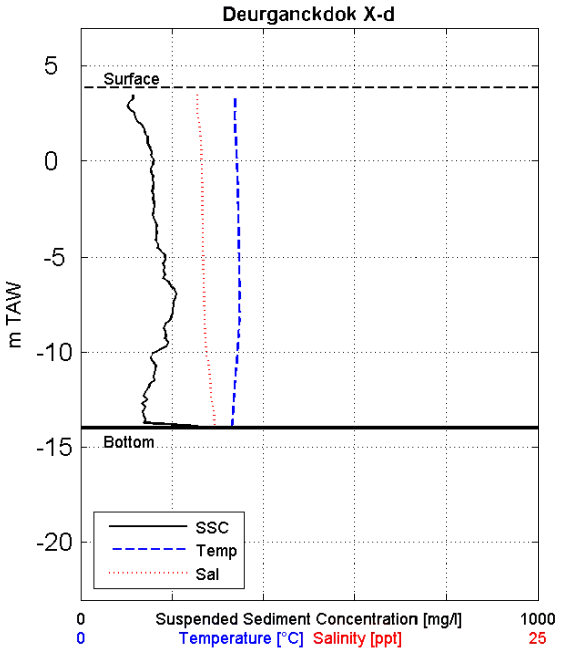
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4094Xd_ctd.sil 4109Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:30
Time after/before HT [MET]:	-2:49
Coordinates [UTM-ED50] Easting:	588710
Coordinates [UTM-ED50] Northing:	5684633
Water-Bottom Interface Siltpr. [m TAW]:	-13.71
Waterdepth 210 kHz Echo [m TAW]:	-13.94
Waterdepth 33 kHz Echo [m TAW]:	-13.94
Surface Elevation [m TAW]:	2.89

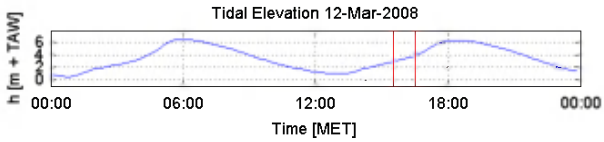
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.60	9.0	5.7	167
2.08	9.0	5.7	162
1.36	8.9	5.7	157
0.61	8.9	5.8	183
-0.24	9.0	5.8	170
-1.00	9.0	5.8	171
-1.70	9.0	5.8	181
-2.34	9.1	5.8	168
-3.24	9.0	5.9	234
-4.09	9.2	6.2	511
-4.93	9.2	6.2	419
-5.68	9.2	6.3	463
-6.41	9.1	6.4	374
-7.18	9.0	6.5	364
-8.12	8.8	6.5	311
-8.95	8.8	6.5	346
-9.64	8.7	6.5	426
-10.35	8.7	6.5	385
-11.15	8.7	6.5	332
-11.99	8.6	6.8	125
-12.78	8.5	7.0	237
-13.53	8.4	7.0	202
-13.71	8.4	7.1	222
Depth Avg	**8.9**	**6.2**	**286**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:29
Time after/before HT [MET]:	-1:50
Coordinates [UTM-ED50] Easting:	588710
Coordinates [UTM-ED50] Northing:	5684646
Water-Bottom Interface Siltpr. [m TAW]:	-14.00
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.84

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.55	8.5	6.4	115
2.88	8.4	6.4	101
2.11	8.4	6.5	119
1.36	8.5	6.5	144
0.47	8.5	6.6	160
-0.36	8.6	6.6	152
-1.38	8.6	6.7	155
-2.46	8.7	6.6	160
-3.46	8.6	6.7	166
-4.63	8.7	6.7	170
-5.56	8.7	6.7	186
-6.49	8.7	6.7	194
-7.31	8.7	6.7	200
-8.32	8.7	6.8	195
-9.31	8.6	6.8	182
-10.22	8.6	6.9	154
-11.00	8.5	7.0	163
-11.88	8.5	7.1	149
-12.85	8.3	7.2	144
-13.73	8.3	7.3	139
-13.90	8.3	7.3	433
-13.96	8.3	7.3	442
-14.00	8.3	7.3	170
Depth Avg	**8.6**	**6.7**	**161**



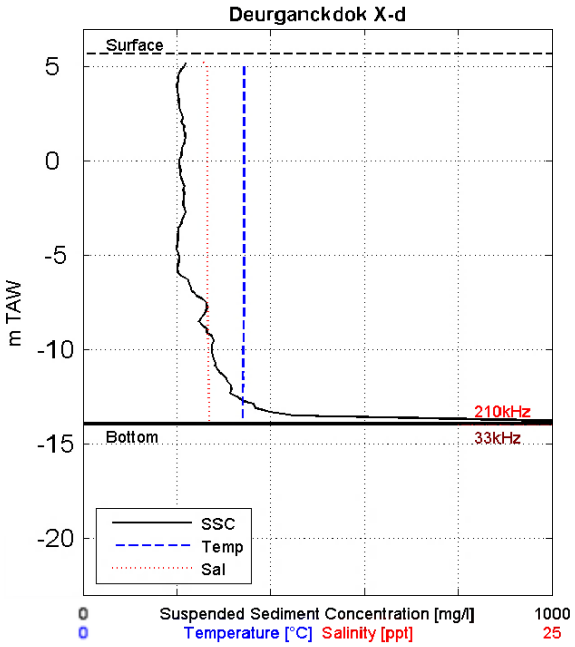
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

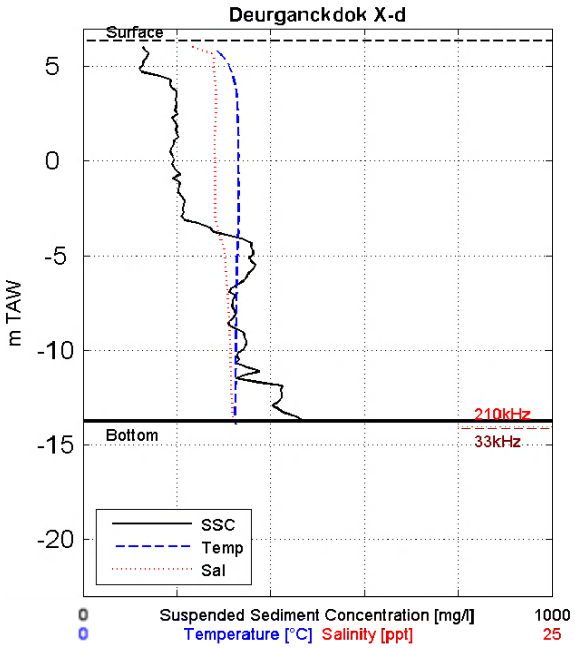
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4124Xd_ctd.sil 4140Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:26
Time after/before HT [MET]:	-0:53
Coordinates [UTM-ED50] Easting:	588691
Coordinates [UTM-ED50] Northing:	5684667
Water-Bottom Interface Siltpr. [m TAW]:	-13.92
Waterdepth 210 kHz Echo [m TAW]:	-13.99
Waterdepth 33 kHz Echo [m TAW]:	-13.98
Surface Elevation [m TAW]:	5.66

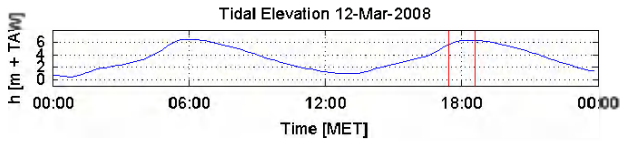
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.20	8.6	6.4	220
4.49	8.6	6.6	201
3.90	8.6	6.6	203
3.02	8.6	6.6	201
1.91	8.6	6.6	215
0.72	8.6	6.6	211
-0.64	8.6	6.6	209
-1.91	8.6	6.6	214
-3.05	8.6	6.6	215
-4.12	8.6	6.6	199
-5.21	8.6	6.6	204
-6.42	8.6	6.6	230
-7.58	8.6	6.6	266
-8.60	8.6	6.7	246
-9.75	8.6	6.7	274
-10.83	8.6	6.7	282
-11.73	8.5	6.7	312
-12.77	8.5	6.7	355
-13.78	8.5	6.7	1096
-13.82	8.5	6.7	2874
-13.84	8.4	6.7	682
-13.91	8.4	6.7	671
-13.92	8.5	6.7	683
Depth Avg	**8.6**	**6.6**	**248**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:36
Time after/before HT [MET]:	0:16
Coordinates [UTM-ED50] Easting:	588707
Coordinates [UTM-ED50] Northing:	5684646
Water-Bottom Interface Siltpr. [m TAW]:	-13.78
Waterdepth 210 kHz Echo [m TAW]:	-14.06
Waterdepth 33 kHz Echo [m TAW]:	-14.14
Surface Elevation [m TAW]:	6.33

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.05	6.9	5.8	123
5.36	7.6	7.0	132
4.57	8.0	7.0	164
3.76	8.2	7.1	184
3.03	8.2	7.1	193
2.25	8.2	7.1	196
1.50	8.3	7.0	195
0.62	8.3	7.0	187
-0.29	8.3	7.0	194
-1.25	8.3	7.1	214
-2.28	8.3	7.1	216
-3.25	8.3	7.1	248
-4.34	8.3	7.4	358
-5.48	8.2	7.6	367
-6.52	8.2	7.6	323
-7.48	8.2	7.7	320
-8.58	8.2	7.8	314
-9.65	8.1	7.8	344
-10.67	8.1	7.8	324
-11.79	8.1	7.9	394
-12.74	8.1	7.9	417
-13.70	8.1	8.0	482
-13.78	8.1	8.0	485
Depth Avg	**8.1**	**7.4**	**272**



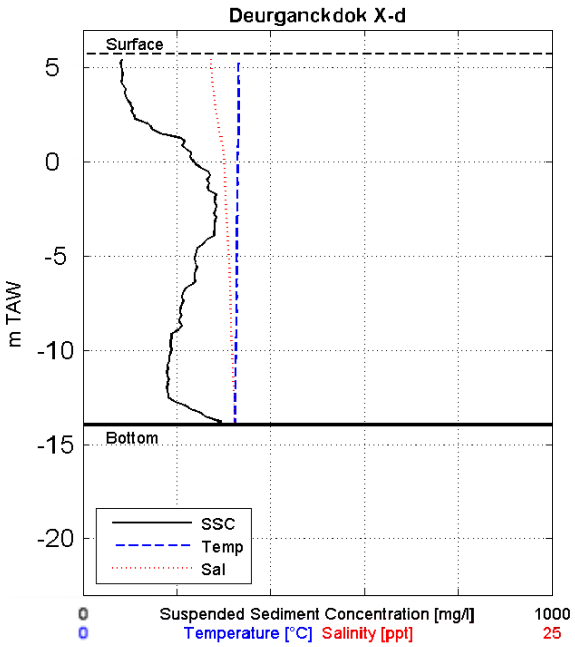
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

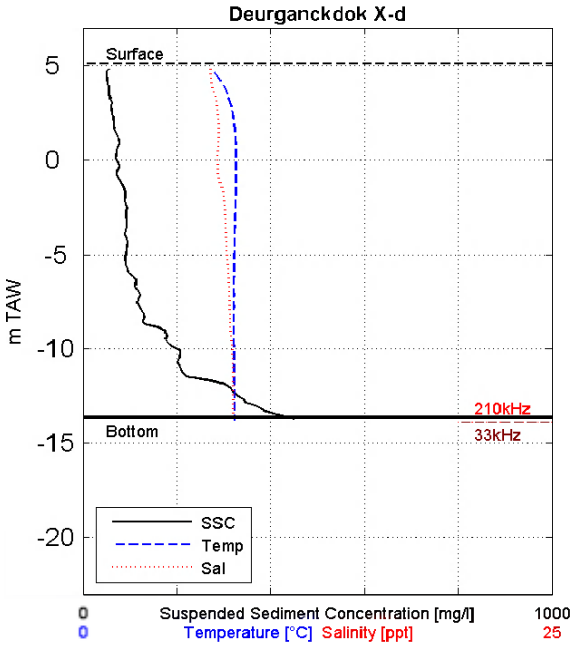
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4155Xd_ctd.sil 4170Xd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:38
Time after/before HT [MET]:	1:18
Coordinates [UTM-ED50] Easting:	588693
Coordinates [UTM-ED50] Northing:	5684636
Water-Bottom Interface Siltpr. [m TAW]:	-13.92
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.74

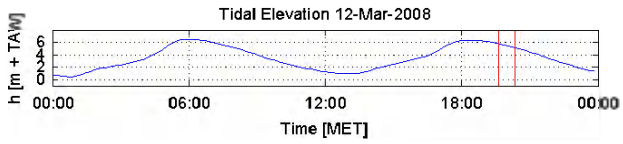
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.45	8.3	6.8	82
4.50	8.3	6.9	83
3.49	8.3	7.0	94
2.33	8.3	7.2	111
1.23	8.3	7.4	218
0.18	8.2	7.5	231
-1.11	8.3	7.5	267
-2.36	8.2	7.6	285
-3.69	8.2	7.7	277
-4.76	8.2	7.7	246
-5.96	8.2	7.8	237
-7.06	8.2	7.8	214
-8.07	8.2	7.9	209
-9.15	8.1	7.9	189
-10.17	8.2	7.9	184
-11.10	8.1	8.0	179
-12.09	8.1	8.0	177
-12.97	8.0	8.1	218
-13.77	8.1	8.0	288
-13.82	8.1	8.0	279
-13.85	8.1	8.0	250
-13.90	8.1	8.0	311
-13.92	8.1	8.0	272
Depth Avg	**8.2**	**7.6**	**201**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:20
Time after/before HT [MET]:	2:00
Coordinates [UTM-ED50] Easting:	588700
Coordinates [UTM-ED50] Northing:	5684651
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	-13.89
Waterdepth 33 kHz Echo [m TAW]:	-13.89
Surface Elevation [m TAW]:	5.12

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.83	6.9	6.8	55
4.08	7.4	6.9	54
3.24	7.8	7.1	59
2.41	8.0	7.2	66
1.68	8.1	7.3	67
0.74	8.2	7.2	77
-0.30	8.1	7.2	75
-1.24	8.1	7.3	80
-2.27	8.1	7.5	92
-3.14	8.1	7.6	96
-4.01	8.1	7.6	90
-4.84	8.1	7.6	94
-5.69	8.0	7.7	95
-6.46	8.1	7.7	117
-7.42	8.0	7.8	115
-8.38	8.0	7.8	129
-9.29	8.0	7.9	179
-10.15	8.1	8.0	205
-11.02	8.0	8.0	207
-11.85	8.0	8.0	302
-12.63	8.1	8.0	336
-13.44	8.1	8.0	393
-13.66	8.1	8.0	459
Depth Avg	**8.0**	**7.6**	**130**



Data Processed by: IMDC

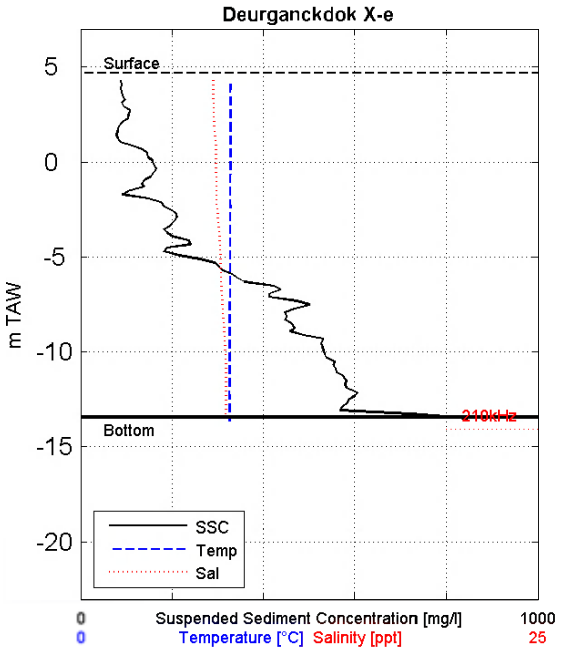
In association with : WL | Delft Hydraulics, GEMS

I/RA/11283/07.091/MSA

F.5 Location Xe

Through tide measurements Siltprofiler 12 March 2008

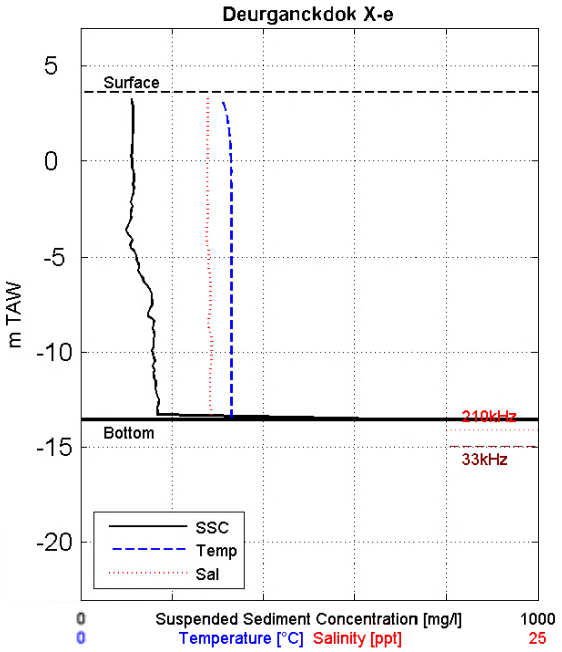
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4005Xe_ctd.sil 4016Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:25
Time after/before HT [MET]:	2:25
Coordinates [UTM-ED50] Easting:	588739
Coordinates [UTM-ED50] Northing:	5684733
Water-Bottom Interface Siltpr. [m TAW]:	-13.44
Waterdepth 210 kHz Echo [m TAW]:	-14.06
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.68

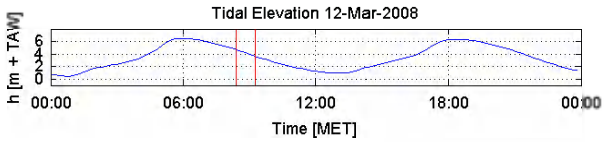
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.38	8.2	7.2	91
3.65	8.2	7.2	85
2.78	8.2	7.3	107
1.95	8.2	7.3	86
1.12	8.2	7.4	82
0.16	8.2	7.4	154
-0.80	8.2	7.4	145
-1.73	8.2	7.4	84
-2.73	8.2	7.5	208
-3.60	8.2	7.6	177
-4.28	8.2	7.6	266
-4.95	8.2	7.6	227
-5.88	8.1	7.7	335
-6.91	8.1	7.7	402
-7.84	8.1	7.8	444
-8.61	8.1	7.8	475
-9.37	8.1	7.9	542
-10.17	8.1	7.9	528
-10.92	8.1	8.0	553
-11.71	8.2	8.0	575
-12.38	8.1	8.0	600
-13.15	8.1	7.9	567
-13.44	8.1	7.9	1106
Depth Avg	**8.2**	**7.6**	**303**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:16
Time after/before HT [MET]:	3:16
Coordinates [UTM-ED50] Easting:	588745
Coordinates [UTM-ED50] Northing:	5684721
Water-Bottom Interface Siltpr. [m TAW]:	-13.55
Waterdepth 210 kHz Echo [m TAW]:	-14.08
Waterdepth 33 kHz Echo [m TAW]:	-14.94
Surface Elevation [m TAW]:	3.63

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.34	7.7	7.0	112
2.58	8.0	7.0	115
1.79	8.1	7.0	115
1.10	8.2	6.9	112
0.34	8.3	7.0	110
-0.43	8.3	6.9	112
-1.55	8.3	6.9	115
-2.63	8.2	7.0	107
-3.60	8.3	6.9	98
-4.29	8.3	6.9	107
-4.87	8.2	7.0	122
-5.47	8.3	7.0	125
-6.25	8.2	7.1	137
-7.14	8.3	7.1	154
-7.93	8.3	7.1	146
-8.57	8.2	7.0	158
-9.18	8.2	7.1	160
-10.06	8.3	7.2	158
-11.00	8.2	7.1	158
-12.06	8.2	7.1	161
-12.79	8.2	7.1	170
-13.45	8.2	7.2	166
-13.55	8.3	7.1	1545
Depth Avg	**8.2**	**7.0**	**136**



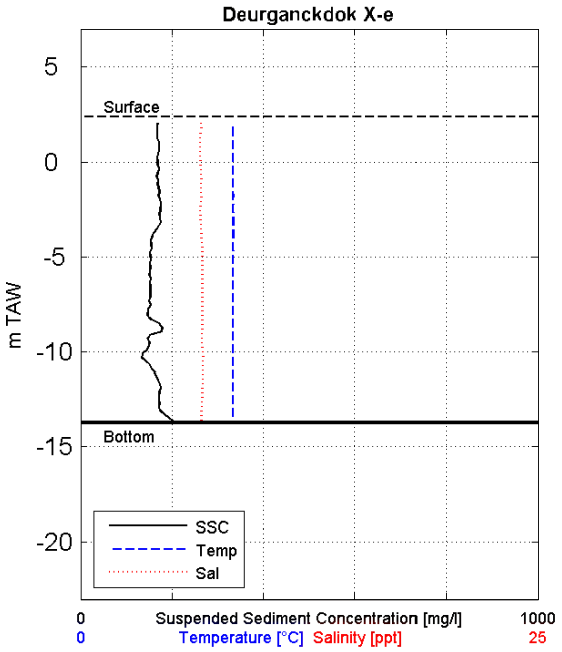
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

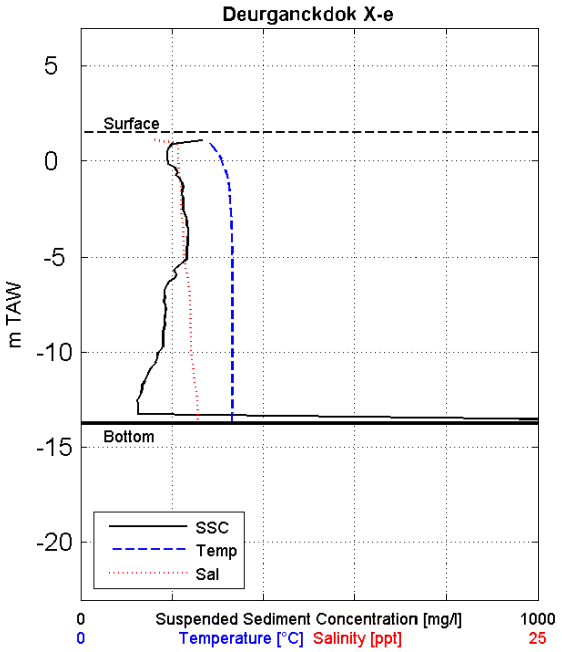
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4031Xe_ctd.sil 4047Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:28
Time after/before HT [MET]:	4:28
Coordinates [UTM-ED50] Easting:	588737
Coordinates [UTM-ED50] Northing:	5684699
Water-Bottom Interface Siltpr. [m TAW]:	-13.76
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.38

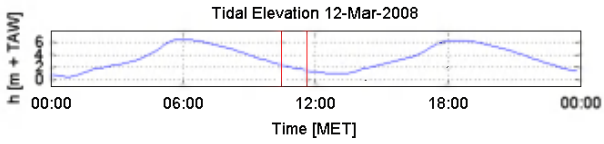
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.09	8.3	6.6	168
1.48	8.3	6.5	169
0.66	8.3	6.5	171
-0.11	8.3	6.5	171
-0.99	8.3	6.6	170
-1.82	8.3	6.6	170
-2.59	8.3	6.5	175
-3.29	8.3	6.6	176
-4.02	8.3	6.6	156
-4.81	8.4	6.7	152
-5.68	8.3	6.6	149
-6.58	8.3	6.7	147
-7.34	8.3	6.7	152
-8.11	8.3	6.7	144
-8.91	8.3	6.6	180
-9.64	8.3	6.6	147
-10.44	8.3	6.7	141
-11.38	8.3	6.7	171
-12.30	8.3	6.6	174
-13.07	8.3	6.6	170
-13.64	8.3	6.6	226
-13.71	8.3	6.6	170
-13.76	8.3	6.6	220
Depth Avg	**8.3**	**6.6**	**163**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:37
Time after/before HT [MET]:	5:37
Coordinates [UTM-ED50] Easting:	588720
Coordinates [UTM-ED50] Northing:	5684717
Water-Bottom Interface Siltpr. [m TAW]:	-13.75
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.48

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.20	6.8	3.2	202
0.53	7.4	5.3	191
-0.06	7.8	5.3	190
-0.62	8.0	5.4	208
-1.37	8.1	5.5	223
-2.20	8.2	5.5	223
-2.97	8.2	5.5	234
-3.63	8.3	5.6	233
-4.27	8.3	5.6	232
-4.92	8.3	5.7	235
-5.60	8.3	5.8	204
-6.37	8.3	5.9	190
-7.26	8.3	6.0	182
-8.13	8.4	6.0	183
-8.88	8.3	6.0	181
-9.59	8.3	6.0	180
-10.25	8.3	6.1	173
-10.97	8.3	6.2	152
-11.76	8.3	6.3	132
-12.61	8.3	6.4	127
-13.44	8.3	6.4	131
-13.67	8.3	6.4	4012
-13.75	8.3	6.4	1131
Depth Avg	**8.1**	**5.8**	**217**



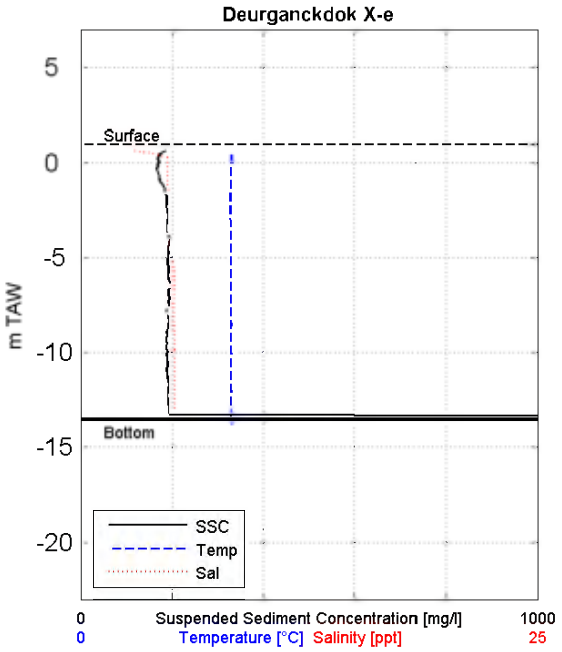
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

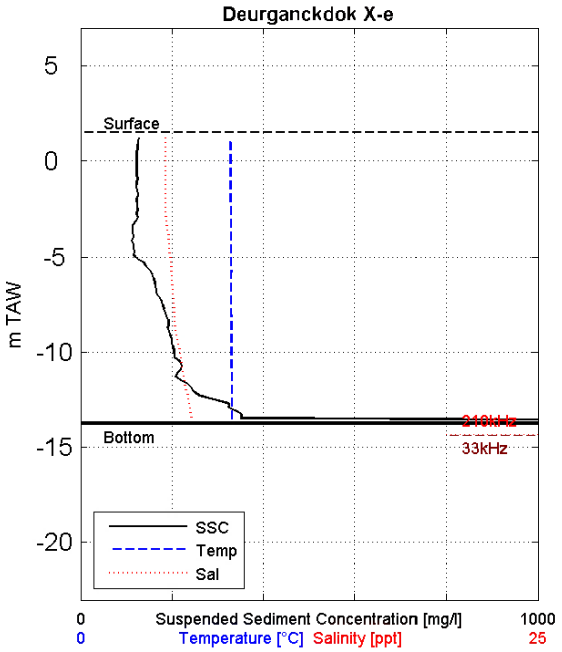
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4062Xe_ctd.sil 4077Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:10
Time after/before HT [MET]:	-5:09
Coordinates [UTM-ED50] Easting:	588741
Coordinates [UTM-ED50] Northing:	5684706
Water-Bottom Interface Siltpr. [m TAW]:	-13.54
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.95

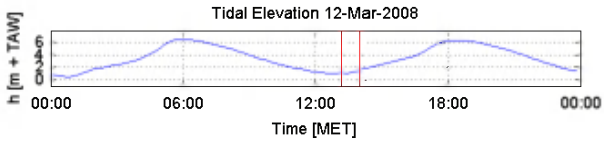
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.66	8.3	2.8	177
0.05	8.2	4.7	171
-0.59	8.2	4.7	167
-1.22	8.2	4.8	185
-1.82	8.2	4.9	192
-2.65	8.2	4.9	189
-3.24	8.2	4.9	188
-3.79	8.2	4.9	191
-4.40	8.2	4.9	192
-5.18	8.2	5.0	191
-6.01	8.2	5.1	188
-6.61	8.2	5.1	198
-7.17	8.2	5.0	197
-7.86	8.2	5.1	186
-8.63	8.2	5.1	191
-9.39	8.3	5.1	188
-10.13	8.3	5.2	190
-10.89	8.2	5.1	186
-11.59	8.2	5.1	193
-12.25	8.2	5.1	188
-12.85	8.2	5.1	193
-13.48	8.2	5.1	196
-13.54	8.2	5.1	286
Depth Avg	**8.2**	**4.9**	**211**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:02
Time after/before HT [MET]:	-4:17
Coordinates [UTM-ED50] Easting:	588750
Coordinates [UTM-ED50] Northing:	5684698
Water-Bottom Interface Siltpr. [m TAW]:	-13.76
Waterdepth 210 kHz Echo [m TAW]:	-14.33
Waterdepth 33 kHz Echo [m TAW]:	-14.36
Surface Elevation [m TAW]:	1.51

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.22	8.1	4.6	127
1.17	8.2	4.6	134
1.13	8.2	4.6	123
1.08	8.2	4.6	122
0.26	8.2	4.6	121
-0.33	8.2	4.6	120
-1.19	8.2	4.6	123
-2.07	8.2	4.6	122
-2.87	8.2	4.7	127
-3.65	8.2	4.8	114
-4.42	8.2	4.8	116
-5.18	8.2	4.9	132
-6.08	8.2	5.0	163
-6.91	8.2	5.0	161
-7.60	8.2	5.1	176
-8.44	8.3	5.1	191
-9.35	8.3	5.3	197
-10.34	8.2	5.5	204
-11.24	8.3	5.6	203
-12.08	8.2	5.8	247
-12.94	8.3	6.0	326
-13.74	8.2	6.1	8348
-13.76	8.3	6.1	7115
Depth Avg	**8.2**	**5.1**	**193**



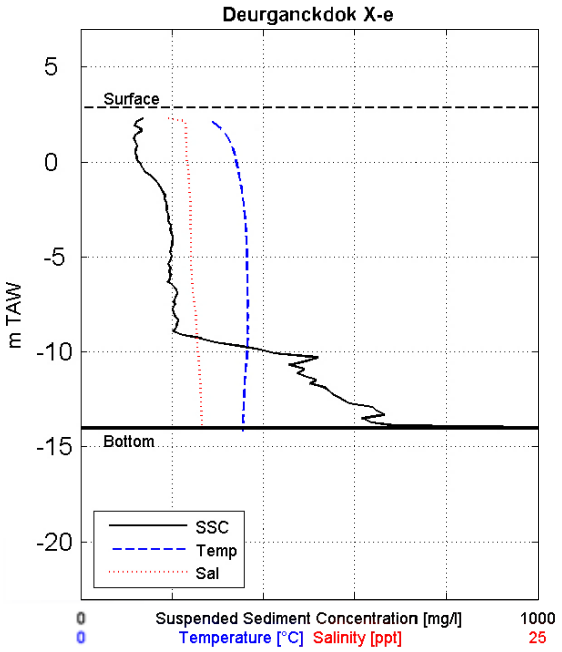
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

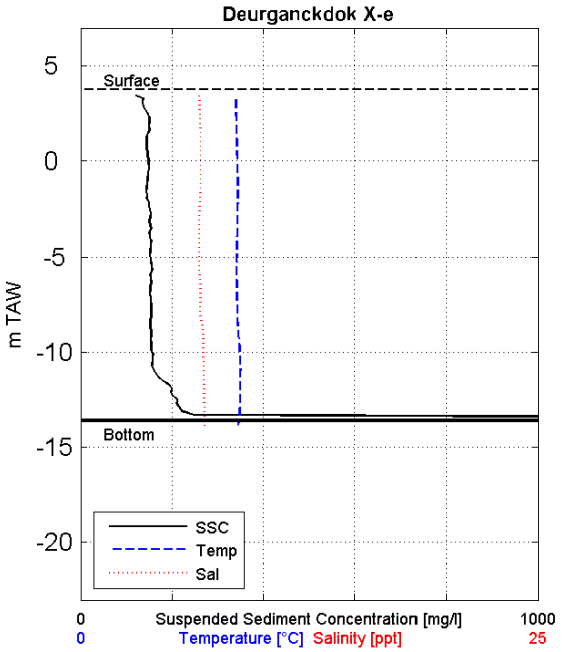
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4093Xe_ctd.sil 4108Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:27
Time after/before HT [MET]:	-2:52
Coordinates [UTM-ED50] Easting:	588773
Coordinates [UTM-ED50] Northing:	5684731
Water-Bottom Interface Siltpr. [m TAW]:	-14.02
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.84

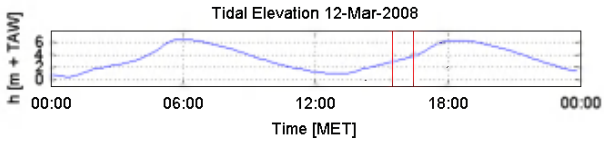
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.35	7.0	4.3	156
1.76	7.7	5.7	136
1.22	8.1	5.8	118
0.60	8.3	5.8	118
-0.02	8.5	5.8	128
-0.70	8.7	5.9	159
-1.50	8.8	6.0	178
-2.25	8.9	6.0	190
-2.88	9.0	6.0	191
-3.57	9.1	6.0	193
-4.39	9.1	6.0	204
-5.12	9.2	6.0	196
-5.98	9.1	6.1	201
-6.85	9.1	6.1	209
-7.64	9.1	6.3	202
-8.36	9.1	6.3	211
-9.17	9.1	6.3	244
-10.11	9.1	6.4	440
-10.98	9.0	6.5	498
-11.93	8.9	6.5	580
-12.89	8.9	6.6	632
-13.80	8.9	6.6	621
-14.02	8.8	6.7	4580
Depth Avg	**8.8**	**6.1**	**277**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:25
Time after/before HT [MET]:	-1:54
Coordinates [UTM-ED50] Easting:	588738
Coordinates [UTM-ED50] Northing:	5684712
Water-Bottom Interface Siltpr. [m TAW]:	-13.63
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.76

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.48	8.4	6.5	61
3.27	8.5	6.5	137
2.57	8.5	6.5	144
2.01	8.5	6.5	151
1.22	8.5	6.5	144
0.17	8.6	6.6	147
-0.87	8.6	6.6	148
-1.90	8.6	6.5	143
-2.81	8.6	6.5	151
-3.63	8.5	6.5	150
-4.46	8.6	6.5	153
-5.40	8.5	6.5	153
-6.24	8.6	6.5	152
-7.08	8.6	6.6	151
-7.91	8.5	6.5	160
-8.69	8.6	6.7	152
-9.45	8.7	6.7	152
-10.28	8.7	6.7	156
-11.08	8.7	6.7	162
-11.89	8.7	6.7	199
-12.68	8.7	6.8	208
-13.45	8.7	6.8	274
-13.63	8.7	6.8	37418
Depth Avg	**8.6**	**6.6**	**223**



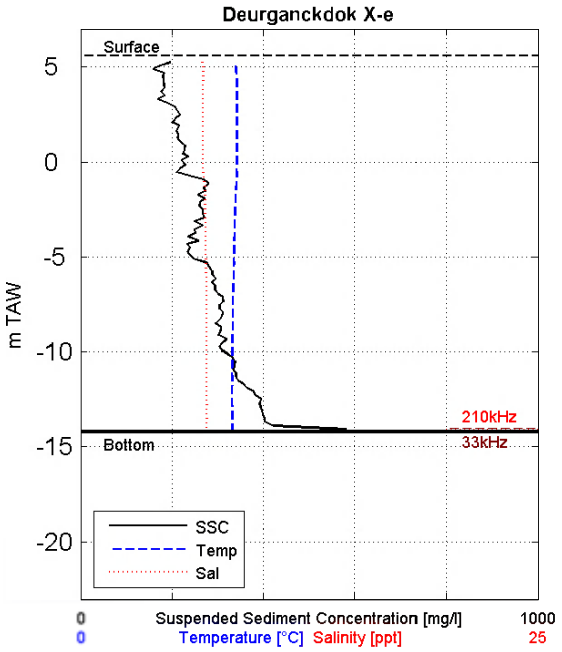
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

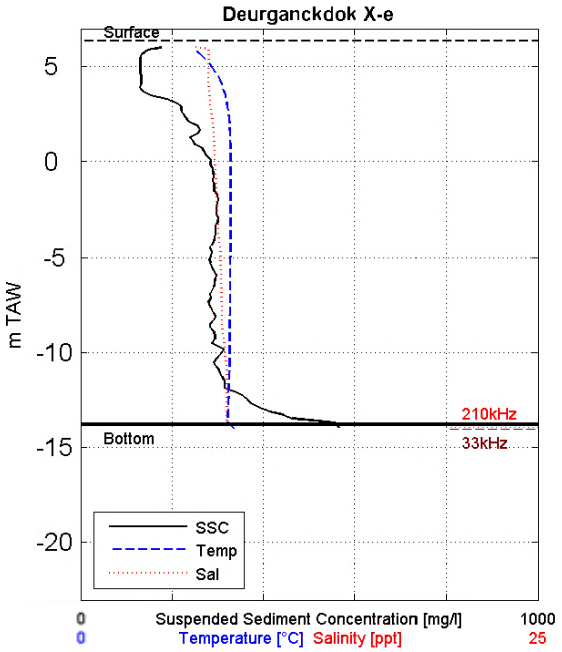
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4123Xe_ctd.sil 4139Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:23
Time after/before HT [MET]:	-0:56
Coordinates [UTM-ED50] Easting:	588749
Coordinates [UTM-ED50] Northing:	5684688
Water-Bottom Interface Siltpr. [m TAW]:	-14.21
Waterdepth 210 kHz Echo [m TAW]:	-14.10
Waterdepth 33 kHz Echo [m TAW]:	-14.04
Surface Elevation [m TAW]:	5.57

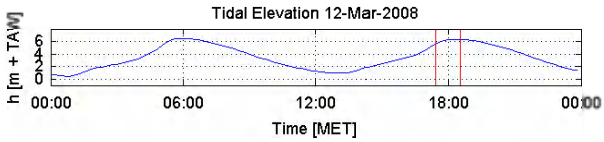
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.29	8.4	6.5	201
4.50	8.5	6.7	186
3.65	8.6	6.7	163
2.80	8.6	6.7	215
2.00	8.5	6.7	187
1.14	8.6	6.7	221
0.25	8.5	6.7	254
-0.79	8.6	6.7	247
-1.87	8.5	6.8	265
-3.12	8.4	6.8	252
-4.16	8.4	6.8	270
-5.21	8.3	6.8	226
-6.21	8.4	6.9	299
-7.23	8.3	6.9	302
-8.23	8.3	6.9	309
-9.17	8.2	6.9	303
-10.14	8.3	6.9	318
-11.21	8.4	6.9	326
-12.27	8.3	6.9	382
-13.40	8.3	6.9	401
-14.08	8.3	6.9	487
-14.14	8.3	6.9	629
-14.21	8.3	6.9	582
Depth Avg	**8.4**	**6.8**	**276**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:31
Time after/before HT [MET]:	0:11
Coordinates [UTM-ED50] Easting:	588750
Coordinates [UTM-ED50] Northing:	5684718
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	-13.94
Waterdepth 33 kHz Echo [m TAW]:	-14.05
Surface Elevation [m TAW]:	6.35

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.04	6.2	6.1	188
5.11	7.1	7.0	129
4.09	7.7	7.0	131
3.10	8.0	7.1	218
2.17	8.1	7.2	235
1.17	8.1	7.3	245
0.20	8.2	7.3	283
-0.82	8.2	7.4	285
-1.76	8.2	7.4	301
-2.76	8.1	7.5	298
-3.78	8.2	7.5	295
-4.70	8.2	7.7	289
-5.71	8.2	7.7	297
-6.81	8.1	7.7	276
-7.61	8.2	7.7	285
-8.48	8.2	7.7	288
-9.46	8.2	7.8	289
-10.38	8.1	7.9	299
-11.30	8.1	8.0	313
-12.09	8.1	8.0	336
-12.81	8.1	8.0	391
-13.68	8.0	8.0	492
-13.82	8.1	8.0	1346
Depth Avg	**8.0**	**7.5**	**274**



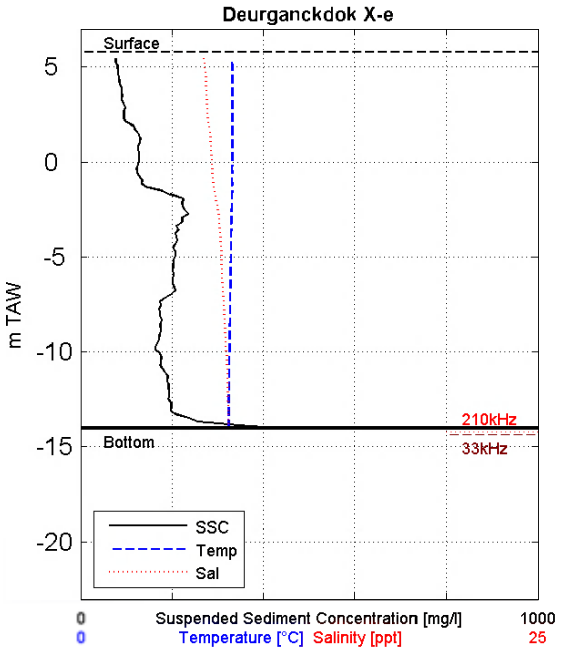
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

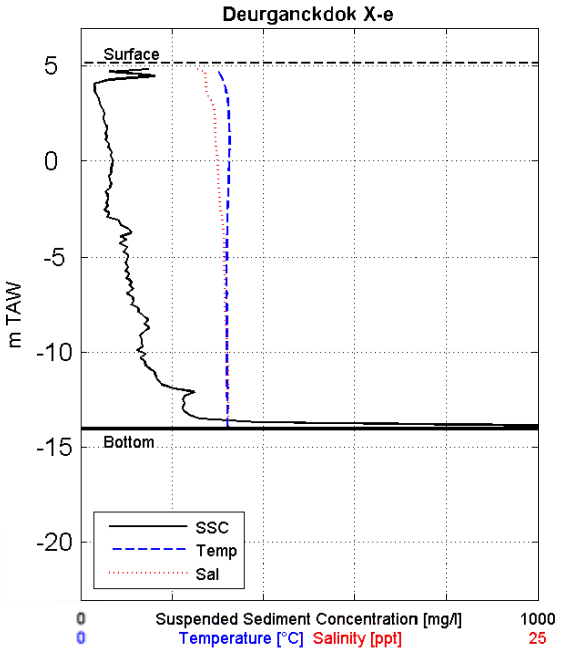
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4154Xe_ctd.sil 4169Xe_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:36
Time after/before HT [MET]:	1:16
Coordinates [UTM-ED50] Easting:	588755
Coordinates [UTM-ED50] Northing:	5684729
Water-Bottom Interface Siltpr. [m TAW]:	-14.05
Waterdepth 210 kHz Echo [m TAW]:	-14.25
Waterdepth 33 kHz Echo [m TAW]:	-14.39
Surface Elevation [m TAW]:	5.77

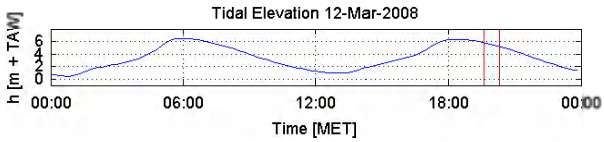
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.49	8.2	6.7	77
5.39	8.3	6.8	80
5.28	8.2	6.8	68
4.69	8.3	6.8	83
3.89	8.3	6.9	91
2.82	8.3	6.9	97
1.70	8.3	7.1	117
0.42	8.3	7.2	130
-0.73	8.2	7.2	129
-2.08	8.3	7.4	217
-3.12	8.3	7.6	223
-4.19	8.2	7.7	210
-5.21	8.2	7.7	203
-6.34	8.2	7.7	203
-7.34	8.2	7.8	171
-8.57	8.1	7.9	173
-9.67	8.2	7.9	159
-10.80	8.1	8.0	177
-12.11	8.1	8.1	196
-13.16	8.1	8.1	197
-13.91	8.1	8.1	240
-14.00	8.1	8.1	359
-14.05	8.1	8.1	989
Depth Avg	**8.2**	**7.5**	**165**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:17
Time after/before HT [MET]:	1:57
Coordinates [UTM-ED50] Easting:	588750
Coordinates [UTM-ED50] Northing:	5684719
Water-Bottom Interface Siltpr. [m TAW]:	-14.03
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.15

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.86	7.3	6.3	229
4.14	7.8	6.8	28
3.16	8.0	7.1	42
1.97	8.2	7.3	60
0.76	8.2	7.4	69
-0.47	8.1	7.5	85
-1.82	8.1	7.6	58
-3.23	8.0	7.8	77
-4.47	8.0	7.8	122
-5.66	8.0	7.8	139
-7.13	8.0	7.9	112
-8.62	8.0	8.0	139
-9.93	8.1	8.0	98
-11.37	8.0	8.1	166
-12.57	8.0	8.1	224
-13.83	8.0	8.1	464
-13.86	8.0	8.1	1964
-13.88	8.0	8.1	458
-13.89	8.1	8.1	522
-13.91	8.0	8.1	770
-13.93	8.0	8.1	480
-13.95	8.0	8.1	469
-14.03	8.1	8.1	411
Depth Avg	**8.0**	**7.7**	**119**



Data Processed by: IMDC

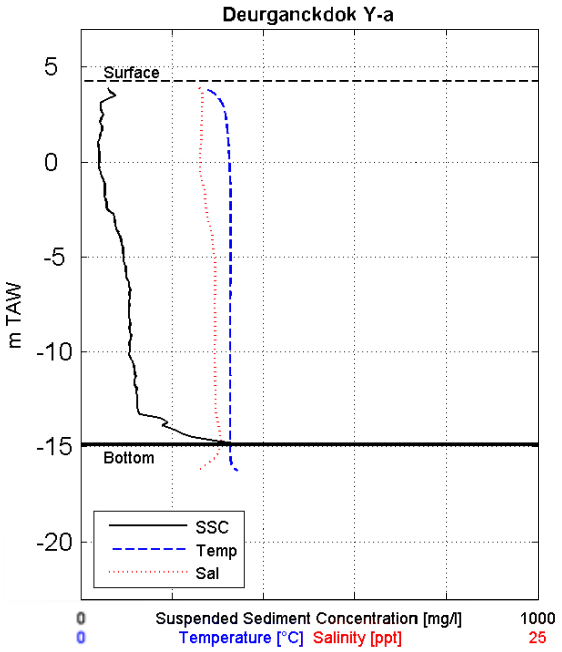
In association with :

I/RA/11283/07.091/MSA

F.6 Location Ya

Through tide measurements Siltprofiler 12 March 2008

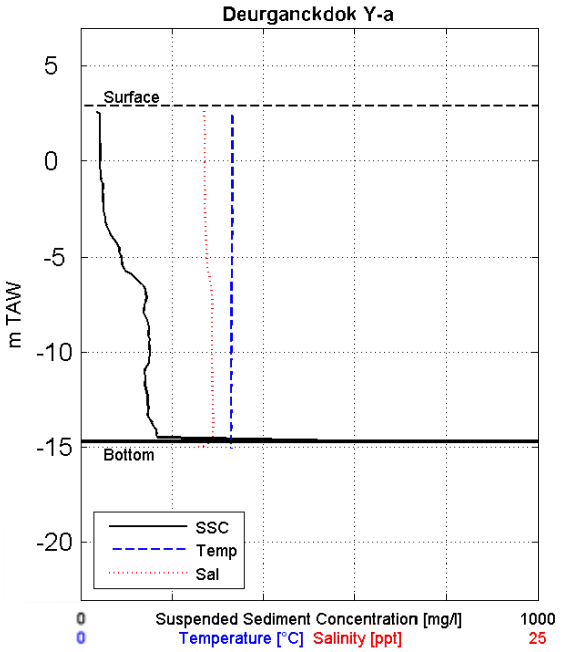
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4010Ya_ctd.sil 4025Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:47
Time after/before HT [MET]:	2:47
Coordinates [UTM-ED50] Easting:	588595
Coordinates [UTM-ED50] Northing:	5684280
Water-Bottom Interface Siltpr. [m TAW]:	-14.89
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.22

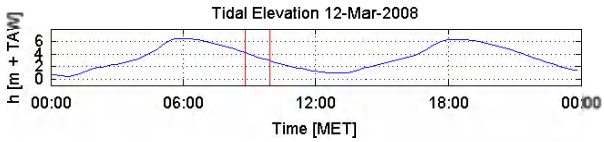
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.93	6.5	5.9	75
3.59	7.3	6.6	82
3.04	7.8	6.6	42
1.97	8.0	6.6	45
0.75	8.1	6.5	39
-0.33	8.1	6.5	42
-1.16	8.2	6.7	51
-2.12	8.2	6.8	54
-3.03	8.2	7.0	72
-3.93	8.2	7.2	88
-5.00	8.2	7.3	90
-6.08	8.2	7.4	100
-7.13	8.2	7.3	107
-8.13	8.1	7.3	106
-8.92	8.2	7.4	109
-9.71	8.2	7.3	117
-10.61	8.1	7.3	117
-11.50	8.2	7.4	113
-12.41	8.2	7.3	126
-13.13	8.2	7.4	125
-13.80	8.2	7.5	179
-14.59	8.1	7.7	247
-14.89	8.1	7.6	301
Depth Avg	**8.1**	**7.1**	**93**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:56
Time after/before HT [MET]:	3:56
Coordinates [UTM-ED50] Easting:	588606
Coordinates [UTM-ED50] Northing:	5684290
Water-Bottom Interface Siltpr. [m TAW]:	-14.71
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.88

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.60	8.2	6.8	16
1.83	8.3	6.8	40
0.80	8.3	6.8	44
-0.05	8.3	6.7	41
-1.02	8.3	6.8	48
-1.83	8.3	6.8	51
-2.71	8.3	6.8	52
-3.47	8.3	6.8	57
-4.24	8.3	6.9	81
-5.08	8.3	6.9	89
-5.97	8.2	7.0	114
-6.83	8.2	7.2	142
-7.70	8.3	7.2	134
-8.59	8.2	7.2	152
-9.40	8.3	7.2	149
-10.18	8.2	7.2	149
-10.88	8.2	7.2	142
-11.52	8.2	7.2	139
-12.19	8.3	7.2	144
-12.87	8.2	7.2	149
-13.69	8.2	7.3	156
-14.51	8.3	7.2	168
-14.71	8.3	7.2	259
Depth Avg	**8.3**	**7.0**	**102**



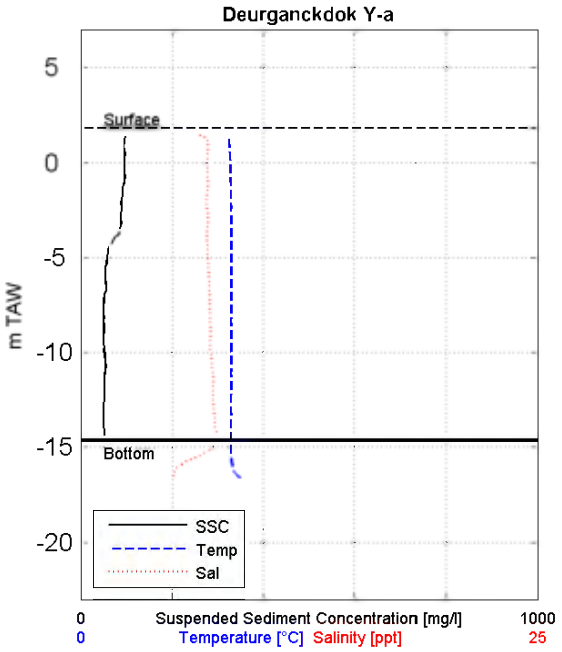
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

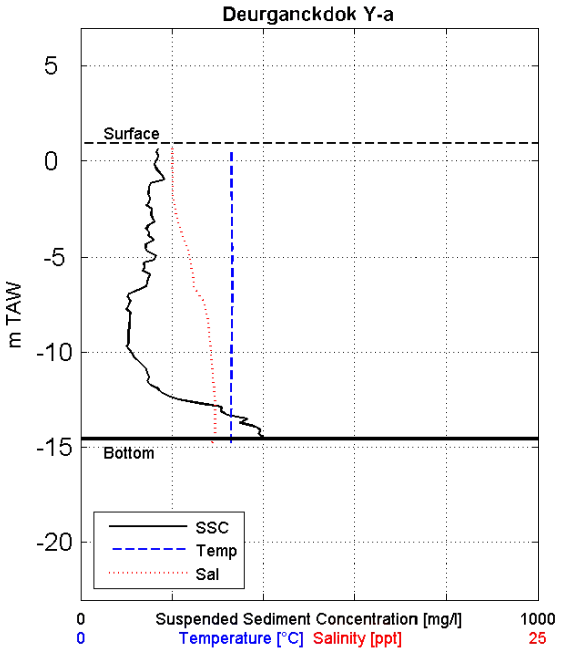
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4040Ya_ctd.sil 4056Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:09
Time after/before HT [MET]:	5:09
Coordinates [UTM-ED50] Easting:	588590
Coordinates [UTM-ED50] Northing:	5684286
Water-Bottom Interface Siltpr. [m TAW]:	-14.64
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.78

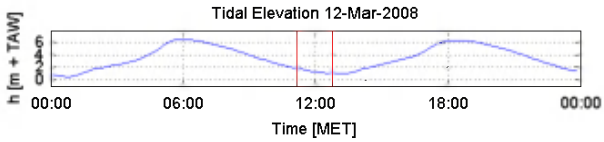
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.49	8.0	6.2	101
0.82	8.1	6.9	95
-0.01	8.2	6.9	97
-0.79	8.2	6.9	95
-1.60	8.3	6.9	91
-2.44	8.3	6.9	88
-3.26	8.2	6.9	86
-4.08	8.3	6.9	68
-4.82	8.3	7.0	58
-5.49	8.2	7.0	53
-6.36	8.3	7.0	52
-7.15	8.3	7.0	50
-8.05	8.3	7.0	54
-8.80	8.3	7.1	51
-9.57	8.2	7.1	51
-10.35	8.2	7.1	52
-11.09	8.2	7.2	53
-11.93	8.3	7.2	51
-12.69	8.3	7.3	50
-13.38	8.3	7.3	49
-14.01	8.2	7.4	50
-14.64	8.2	7.5	59
Depth Avg	**8.2**	**7.0**	**66**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:47
Time after/before HT [MET]:	6:47
Coordinates [UTM-ED50] Easting:	588637
Coordinates [UTM-ED50] Northing:	5684301
Water-Bottom Interface Siltpr. [m TAW]:	-14.59
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.94

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.66	8.3	5.0	168
0.22	8.3	5.0	166
-0.49	8.3	5.0	166
-1.32	8.3	5.0	153
-2.23	8.2	5.1	151
-3.10	8.2	5.3	175
-3.82	8.3	5.6	146
-4.41	8.3	5.8	166
-5.07	8.3	6.0	165
-5.73	8.3	6.1	112
-6.51	8.3	6.2	161
-7.24	8.2	6.7	117
-8.01	8.3	6.9	108
-8.67	8.2	7.0	115
-9.43	8.3	7.1	117
-10.11	8.2	7.1	101
-10.94	8.2	7.2	147
-11.71	8.2	7.3	139
-12.50	8.2	7.3	228
-13.33	8.2	7.4	312
-13.99	8.3	7.3	384
-14.52	8.2	7.3	407
-14.59	8.2	7.3	447
Depth Avg	**8.3**	**6.3**	**167**



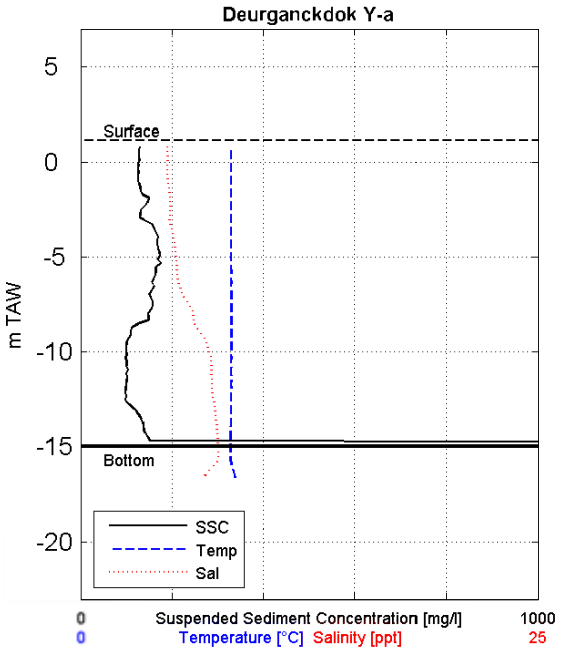
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

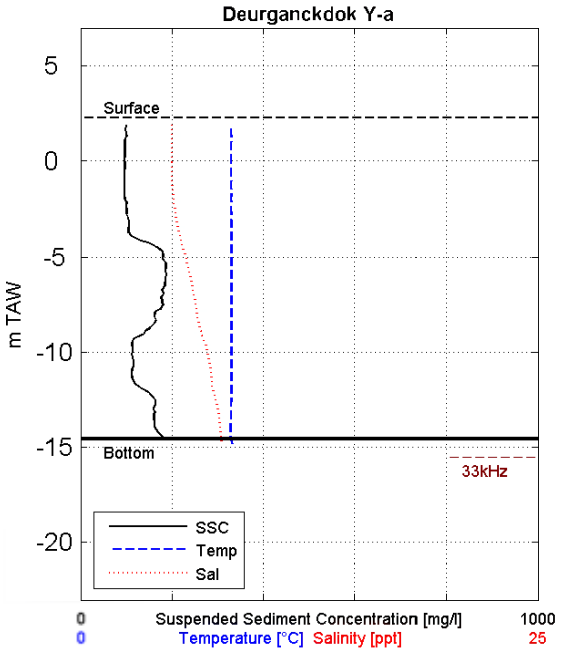
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4071Ya_ctd.sil 4086Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:38
Time after/before HT [MET]:	-4:41
Coordinates [UTM-ED50] Easting:	588623
Coordinates [UTM-ED50] Northing:	5684261
Water-Bottom Interface Siltpr. [m TAW]:	-15.01
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.14

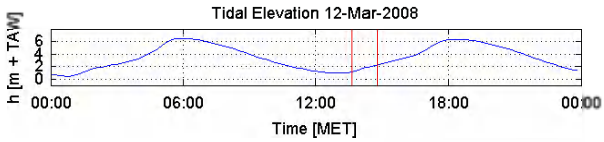
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.86	8.2	4.7	131
0.39	8.2	4.7	127
-0.39	8.2	4.7	126
-1.18	8.2	4.8	131
-1.95	8.2	4.9	152
-2.77	8.2	4.9	129
-3.48	8.2	5.0	166
-4.14	8.2	5.1	169
-4.91	8.2	5.2	177
-5.66	8.2	5.3	166
-6.54	8.2	5.4	160
-7.23	8.2	5.7	159
-7.90	8.2	6.1	147
-8.66	8.3	6.3	113
-9.53	8.2	6.9	103
-10.36	8.2	7.1	98
-11.16	8.2	7.2	98
-11.96	8.3	7.2	98
-12.55	8.2	7.3	98
-13.22	8.2	7.4	124
-13.98	8.2	7.5	135
-14.73	8.2	7.5	152
-15.01	8.2	7.5	82
Depth Avg	**8.2**	**6.0**	**169**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:45
Time after/before HT [MET]:	-3:34
Coordinates [UTM-ED50] Easting:	588631
Coordinates [UTM-ED50] Northing:	5684297
Water-Bottom Interface Siltpr. [m TAW]:	-14.58
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-15.54
Surface Elevation [m TAW]:	2.29

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.99	8.2	5.0	100
1.64	8.2	5.0	98
1.20	8.3	5.0	99
0.80	8.3	5.0	97
0.24	8.3	5.0	94
-0.41	8.2	5.0	94
-1.10	8.2	5.0	97
-1.83	8.3	5.1	100
-2.60	8.2	5.2	100
-3.32	8.2	5.3	101
-4.08	8.2	5.5	123
-4.78	8.3	5.7	184
-5.61	8.3	5.9	181
-6.69	8.2	6.1	179
-7.81	8.3	6.3	170
-8.58	8.2	6.5	162
-9.57	8.3	6.8	115
-10.59	8.2	7.1	117
-11.55	8.2	7.2	118
-12.58	8.3	7.4	166
-13.51	8.2	7.6	163
-14.44	8.2	7.7	177
-14.58	8.2	7.7	186
Depth Avg	**8.2**	**6.1**	**133**



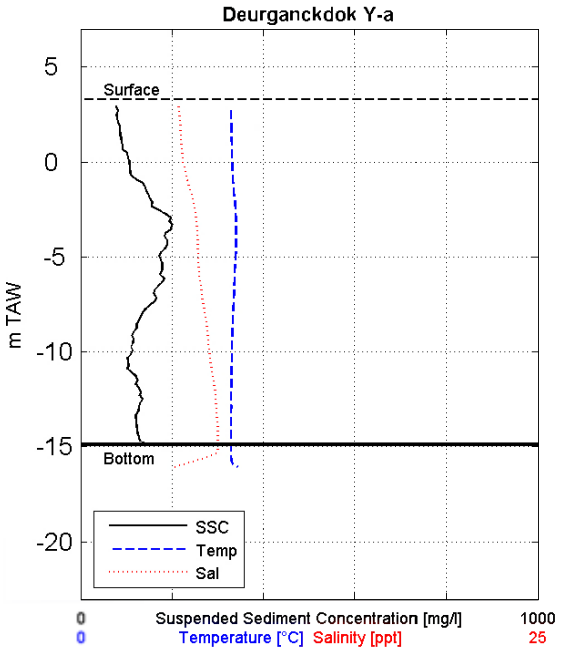
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

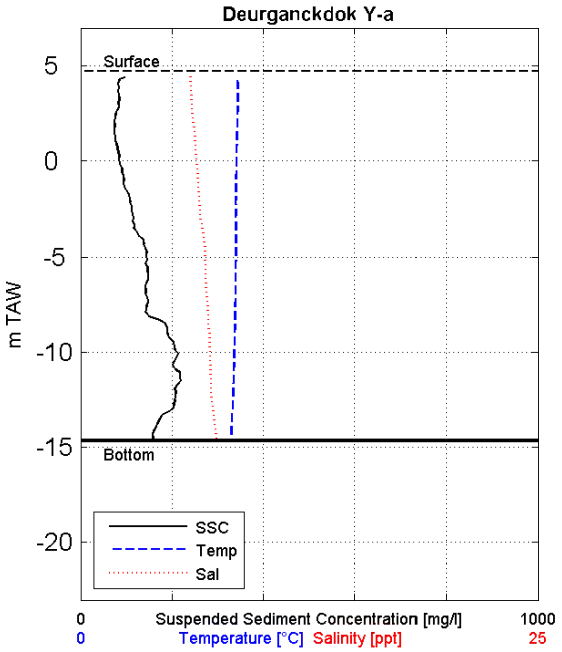
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4102Ya_ctd.sil 4117Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:58
Time after/before HT [MET]:	-2:21
Coordinates [UTM-ED50] Easting:	588600
Coordinates [UTM-ED50] Northing:	5684294
Water-Bottom Interface Siltpr. [m TAW]:	-14.91
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.28

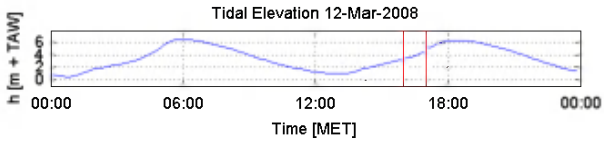
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.99	8.2	5.3	76
2.43	8.2	5.4	72
1.74	8.2	5.5	86
0.89	8.3	5.5	94
0.03	8.3	5.6	106
-0.83	8.3	5.8	118
-1.67	8.4	6.1	154
-2.42	8.5	6.2	157
-3.24	8.5	6.3	207
-4.26	8.5	6.4	196
-5.20	8.4	6.4	180
-5.99	8.4	6.5	170
-6.79	8.4	6.6	161
-7.66	8.3	6.7	144
-8.64	8.3	6.9	123
-9.52	8.3	7.0	112
-10.40	8.2	7.1	105
-11.23	8.3	7.2	121
-12.01	8.2	7.3	131
-12.83	8.2	7.4	131
-13.88	8.2	7.5	123
-14.81	8.2	7.5	136
-14.91	8.3	7.5	132
Depth Avg	**8.3**	**6.5**	**133**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:00
Time after/before HT [MET]:	-1:19
Coordinates [UTM-ED50] Easting:	588621
Coordinates [UTM-ED50] Northing:	5684303
Water-Bottom Interface Siltpr. [m TAW]:	-14.69
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.73

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.45	8.6	6.0	98
3.79	8.6	6.0	82
3.18	8.6	6.0	85
2.39	8.5	6.1	80
1.34	8.6	6.2	75
0.35	8.6	6.3	83
-0.58	8.5	6.4	94
-1.46	8.5	6.4	98
-2.71	8.5	6.5	116
-3.76	8.5	6.7	122
-4.67	8.5	6.8	139
-5.68	8.5	6.8	149
-6.73	8.5	6.9	141
-7.82	8.5	6.9	137
-8.76	8.4	7.0	190
-9.65	8.4	7.1	201
-10.58	8.4	7.1	205
-11.43	8.3	7.1	219
-12.22	8.4	7.1	208
-12.98	8.3	7.2	197
-13.78	8.3	7.3	172
-14.49	8.3	7.4	161
-14.69	8.3	7.5	156
Depth Avg	**8.5**	**6.7**	**137**



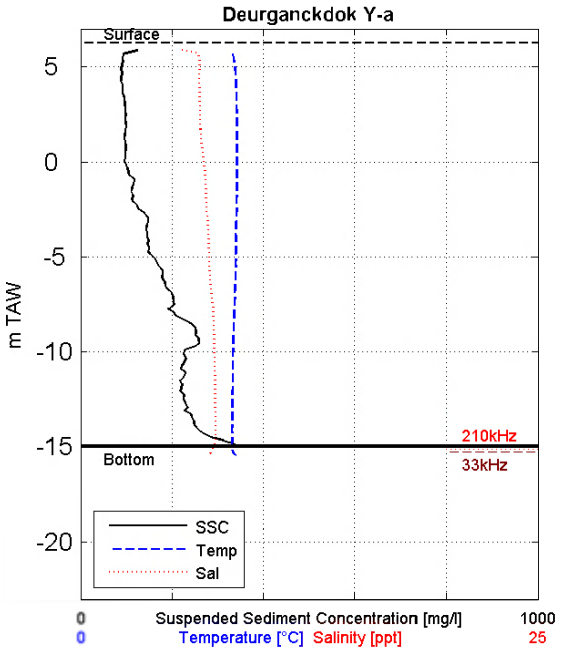
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

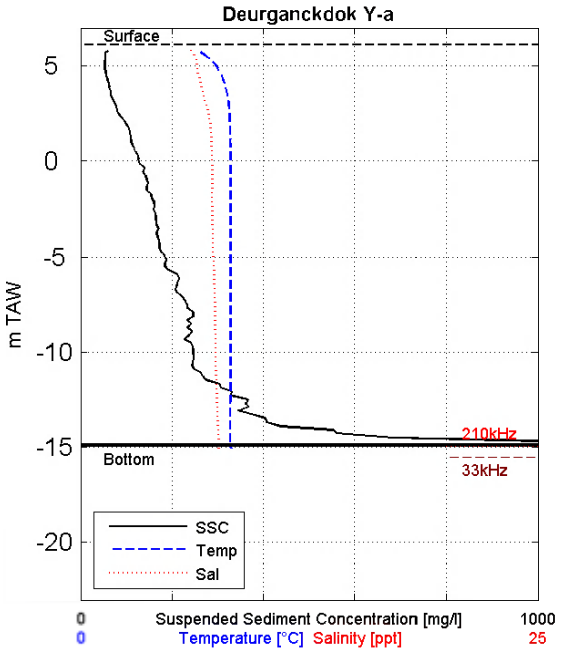
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4132Ya_ctd.sil 4148Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:54
Time after/before HT [MET]:	-0:25
Coordinates [UTM-ED50] Easting:	588610
Coordinates [UTM-ED50] Northing:	5684312
Water-Bottom Interface Siltpr. [m TAW]:	-14.98
Waterdepth 210 kHz Echo [m TAW]:	-15.14
Waterdepth 33 kHz Echo [m TAW]:	-15.27
Surface Elevation [m TAW]:	6.24

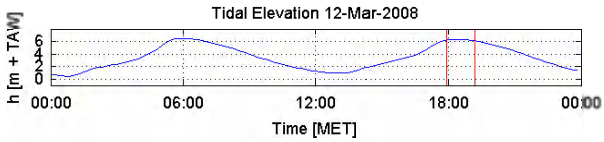
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.94	8.2	5.2	142
5.27	8.4	6.5	94
4.43	8.5	6.5	88
3.40	8.5	6.5	97
2.39	8.5	6.5	100
1.28	8.5	6.6	97
0.26	8.6	6.7	97
-0.84	8.5	6.8	118
-2.02	8.5	6.9	115
-3.07	8.5	6.9	152
-4.05	8.5	7.0	141
-5.16	8.5	7.0	168
-6.20	8.5	7.1	181
-7.28	8.5	7.2	203
-8.23	8.3	7.3	216
-9.11	8.4	7.3	261
-10.03	8.3	7.3	225
-11.01	8.3	7.3	217
-12.05	8.3	7.3	213
-13.12	8.3	7.3	232
-14.09	8.3	7.4	255
-14.98	8.3	7.3	357
Depth Avg	**8.4**	**6.9**	**164**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:11
Time after/before HT [MET]:	0:51
Coordinates [UTM-ED50] Easting:	588621
Coordinates [UTM-ED50] Northing:	5684301
Water-Bottom Interface Siltpr. [m TAW]:	-14.92
Waterdepth 210 kHz Echo [m TAW]:	-14.98
Waterdepth 33 kHz Echo [m TAW]:	-15.53
Surface Elevation [m TAW]:	6.10

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.82	6.3	6.0	60
5.19	7.3	6.3	52
4.40	7.8	6.5	56
3.50	8.0	6.7	73
2.54	8.2	7.0	85
1.43	8.2	7.1	110
0.28	8.2	7.2	125
-0.77	8.2	7.2	141
-1.86	8.2	7.2	155
-2.97	8.2	7.2	164
-4.06	8.2	7.2	168
-5.08	8.2	7.3	189
-6.09	8.2	7.3	210
-7.06	8.2	7.3	224
-8.13	8.2	7.3	243
-8.98	8.2	7.4	234
-9.93	8.2	7.4	251
-10.97	8.2	7.4	252
-11.98	8.2	7.4	271
-12.86	8.2	7.5	381
-13.77	8.2	7.5	392
-14.74	8.1	7.5	982
-14.92	8.1	7.5	4386
Depth Avg	**8.1**	**7.2**	**211**



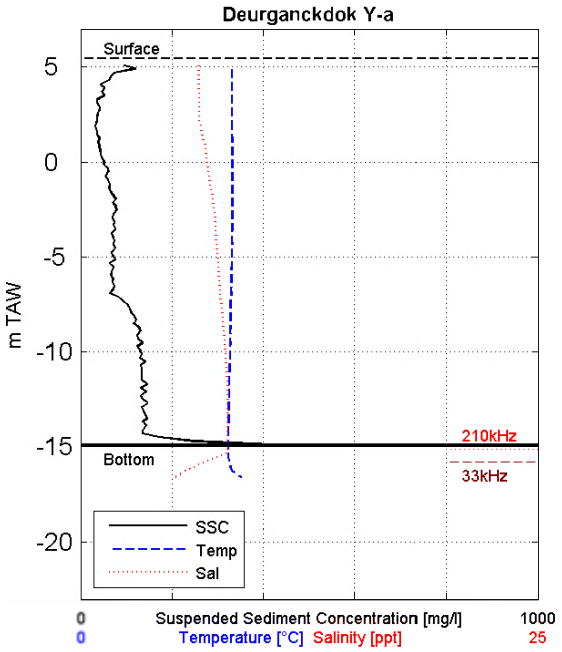
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

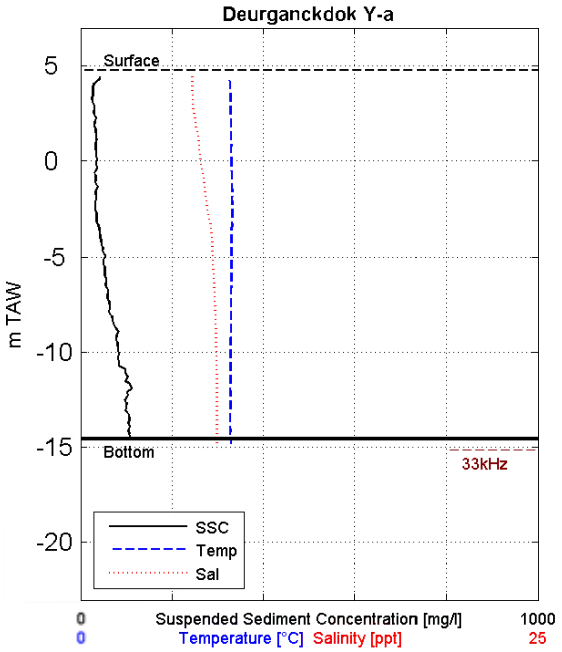
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4163Ya_ctd.sil 4178Ya_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:57
Time after/before HT [MET]:	1:37
Coordinates [UTM-ED50] Easting:	588609
Coordinates [UTM-ED50] Northing:	5684291
Water-Bottom Interface Siltpr. [m TAW]:	-14.95
Waterdepth 210 kHz Echo [m TAW]:	-15.13
Waterdepth 33 kHz Echo [m TAW]:	-15.84
Surface Elevation [m TAW]:	5.44

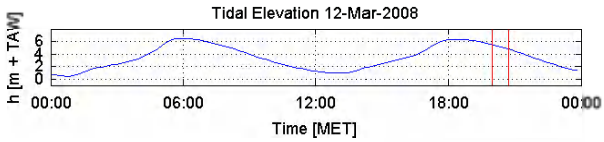
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.16	8.3	6.5	87
4.51	8.3	6.5	66
3.59	8.3	6.4	38
2.57	8.3	6.4	38
1.53	8.2	6.6	34
0.55	8.3	6.8	44
-0.44	8.3	7.0	60
-1.49	8.3	7.2	65
-2.59	8.3	7.3	82
-3.69	8.3	7.4	74
-4.77	8.3	7.5	59
-5.88	8.2	7.5	55
-6.86	8.2	7.6	59
-7.87	8.2	7.8	95
-8.75	8.2	7.8	115
-9.81	8.2	7.9	139
-10.72	8.2	8.0	119
-11.60	8.1	8.0	144
-12.38	8.1	8.1	126
-13.23	8.1	8.1	130
-14.05	8.1	8.1	155
-14.89	8.1	8.1	287
-14.95	8.1	8.1	341
Depth Avg	**8.2**	**7.4**	**90**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:41
Time after/before HT [MET]:	2:21
Coordinates [UTM-ED50] Easting:	588618
Coordinates [UTM-ED50] Northing:	5684295
Water-Bottom Interface Siltpr. [m TAW]:	-14.57
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-15.15
Surface Elevation [m TAW]:	4.78

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.48	8.1	6.1	44
4.36	8.1	6.1	40
3.96	8.2	6.1	27
3.17	8.2	6.1	27
2.15	8.2	6.3	30
1.14	8.2	6.4	38
-0.01	8.2	6.6	33
-1.02	8.3	6.7	27
-1.96	8.3	6.8	36
-2.98	8.3	7.0	48
-3.92	8.3	7.2	36
-4.88	8.3	7.2	56
-5.70	8.3	7.3	44
-6.52	8.3	7.3	52
-7.58	8.3	7.3	59
-8.61	8.2	7.4	68
-9.70	8.2	7.4	80
-10.70	8.1	7.4	80
-11.61	8.2	7.5	101
-12.56	8.2	7.5	100
-13.46	8.2	7.5	114
-14.47	8.2	7.5	101
-14.57	8.2	7.5	111
Depth Avg	**8.2**	**7.0**	**57**



Data Processed by: IMDC

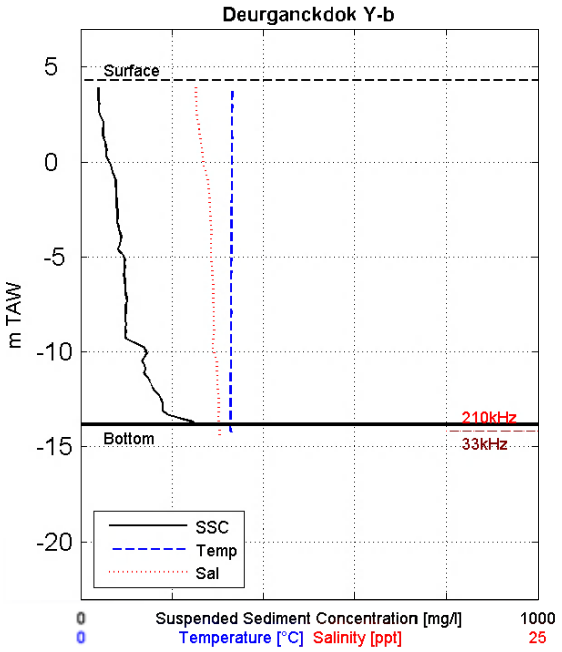
In association with :

I/RA/11283/07.091/MSA

F.7 Location Yb

Through tide measurements Siltprofiler 12 March 2008

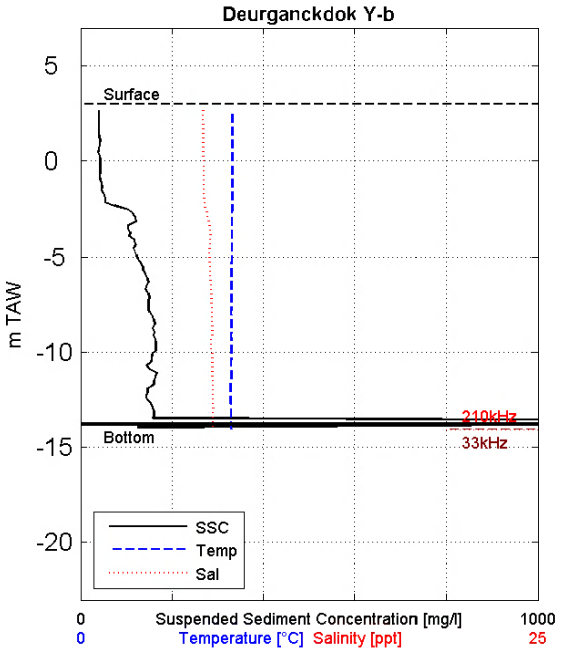
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4009Yb_ctd.sil 4024Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:44
Time after/before HT [MET]:	2:44
Coordinates [UTM-ED50] Easting:	588646
Coordinates [UTM-ED50] Northing:	5684359
Water-Bottom Interface Siltpr. [m TAW]:	-13.84
Waterdepth 210 kHz Echo [m TAW]:	-14.15
Waterdepth 33 kHz Echo [m TAW]:	-14.17
Surface Elevation [m TAW]:	4.30

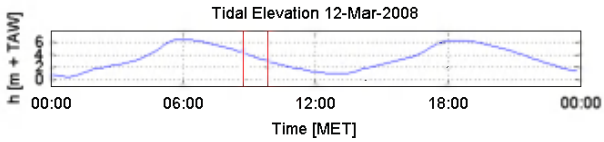
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.00	8.3	6.3	39
3.32	8.3	6.3	38
2.52	8.3	6.3	41
1.65	8.3	6.5	48
0.73	8.3	6.6	55
-0.18	8.3	6.7	62
-1.13	8.3	7.0	76
-1.92	8.2	7.0	79
-2.78	8.3	7.1	79
-3.69	8.3	7.1	86
-4.61	8.2	7.1	83
-5.44	8.2	7.2	95
-6.21	8.2	7.2	98
-7.02	8.2	7.3	99
-7.75	8.2	7.3	98
-8.59	8.2	7.3	97
-9.34	8.2	7.3	100
-10.16	8.2	7.3	144
-11.01	8.2	7.5	141
-11.77	8.2	7.5	156
-12.73	8.2	7.6	178
-13.74	8.2	7.5	253
-13.84	8.1	7.6	714
Depth Avg	**8.2**	**7.0**	**96**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:50
Time after/before HT [MET]:	3:50
Coordinates [UTM-ED50] Easting:	588661
Coordinates [UTM-ED50] Northing:	5684362
Water-Bottom Interface Siltpr. [m TAW]:	-13.80
Waterdepth 210 kHz Echo [m TAW]:	-14.09
Waterdepth 33 kHz Echo [m TAW]:	-14.05
Surface Elevation [m TAW]:	3.00

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.71	8.3	6.7	40
2.43	8.3	6.7	37
1.77	8.3	6.7	39
1.09	8.4	6.7	43
0.13	8.3	6.7	44
-0.87	8.3	6.7	41
-1.77	8.3	6.7	55
-2.39	8.3	6.8	91
-2.96	8.3	7.0	120
-3.60	8.3	7.1	104
-4.46	8.3	7.0	115
-5.47	8.3	7.1	136
-6.39	8.3	7.1	148
-7.17	8.2	7.2	152
-7.92	8.3	7.2	152
-8.77	8.2	7.2	155
-9.64	8.2	7.2	166
-10.73	8.2	7.2	142
-11.60	8.2	7.2	163
-12.35	8.2	7.2	146
-13.01	8.3	7.2	160
-13.71	8.2	7.2	152
-13.80	8.2	7.2	155
Depth Avg	**8.3**	**7.0**	**130**



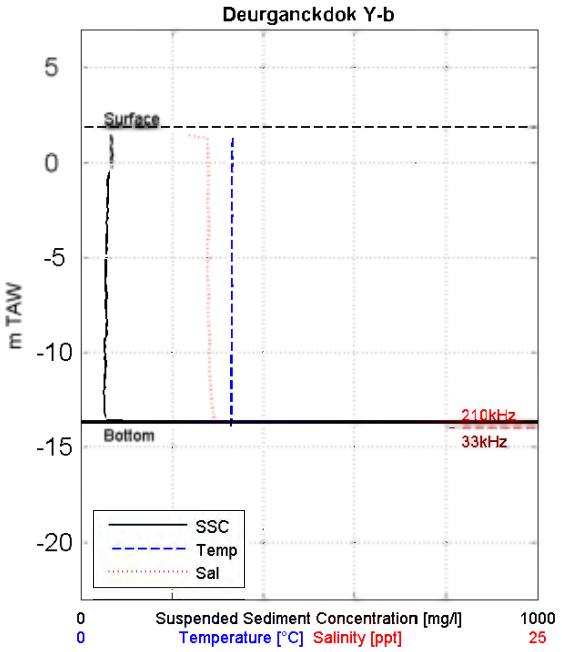
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

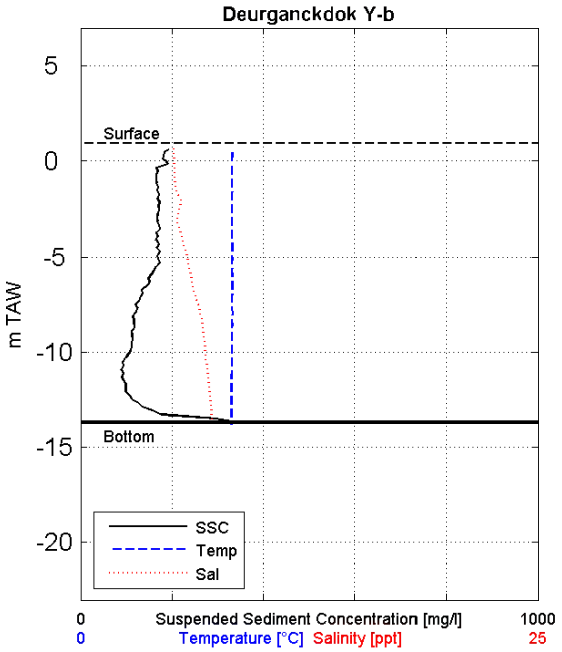
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4039Yb_ctd.sil 4055Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:05
Time after/before HT [MET]:	5:05
Coordinates [UTM-ED50] Easting:	588670
Coordinates [UTM-ED50] Northing:	5684371
Water-Bottom Interface Siltpr. [m TAW]:	-13.68
Waterdepth 210 kHz Echo [m TAW]:	-14.03
Waterdepth 33 kHz Echo [m TAW]:	-14.00
Surface Elevation [m TAW]:	1.84

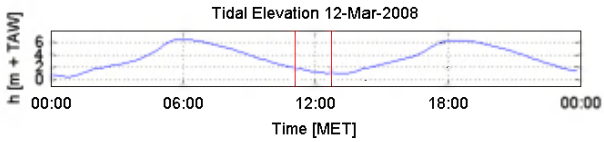
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.53	8.3	5.2	67
0.92	8.3	7.0	67
0.25	8.3	7.0	67
-0.38	8.2	7.0	63
-1.06	8.3	7.0	63
-1.66	8.3	7.0	61
-2.37	8.2	7.0	59
-3.10	8.3	7.0	55
-3.86	8.3	7.0	57
-4.72	8.3	6.9	55
-5.52	8.2	6.9	52
-6.34	8.3	7.0	52
-7.03	8.3	7.0	56
-7.85	8.3	7.0	52
-8.63	8.3	7.0	55
-9.36	8.2	7.1	52
-10.12	8.3	7.0	56
-10.85	8.2	7.0	53
-11.61	8.2	7.1	50
-12.26	8.3	7.1	52
-12.95	8.3	7.2	52
-13.60	8.2	7.4	59
-13.68	8.2	7.4	114
Depth Avg	**8.3**	**7.0**	**57**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:45
Time after/before HT [MET]:	6:45
Coordinates [UTM-ED50] Easting:	588646
Coordinates [UTM-ED50] Northing:	5684377
Water-Bottom Interface Siltpr. [m TAW]:	-13.71
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.95

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.66	8.3	5.1	191
0.16	8.3	5.1	180
-0.38	8.3	5.1	167
-0.94	8.3	5.1	162
-1.56	8.3	5.3	172
-2.21	8.3	5.5	171
-2.93	8.2	5.3	158
-3.67	8.3	5.4	158
-4.52	8.3	5.7	163
-5.36	8.3	5.9	186
-6.05	8.3	6.0	145
-6.75	8.3	6.2	141
-7.37	8.3	6.4	118
-8.01	8.3	6.5	108
-8.72	8.3	6.7	120
-9.47	8.3	6.8	118
-10.28	8.3	6.8	100
-11.11	8.3	7.0	87
-11.83	8.2	7.0	111
-12.40	8.3	7.1	110
-12.93	8.3	7.1	140
-13.47	8.2	7.2	241
-13.71	8.2	7.2	402
Depth Avg	**8.3**	**6.1**	**146**



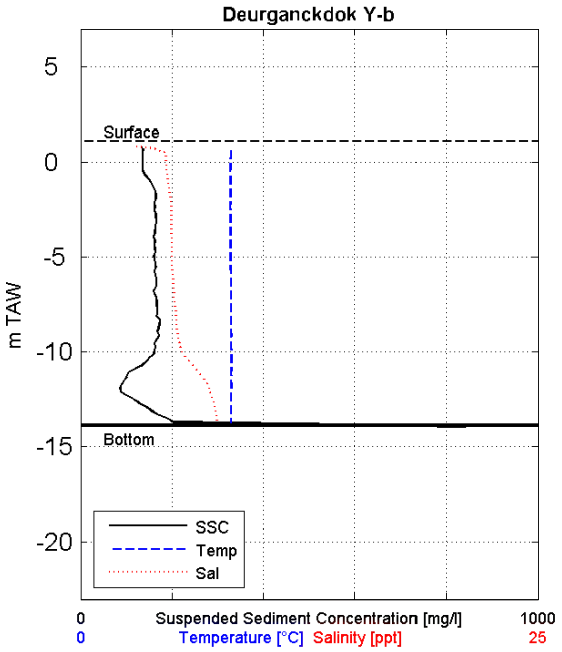
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

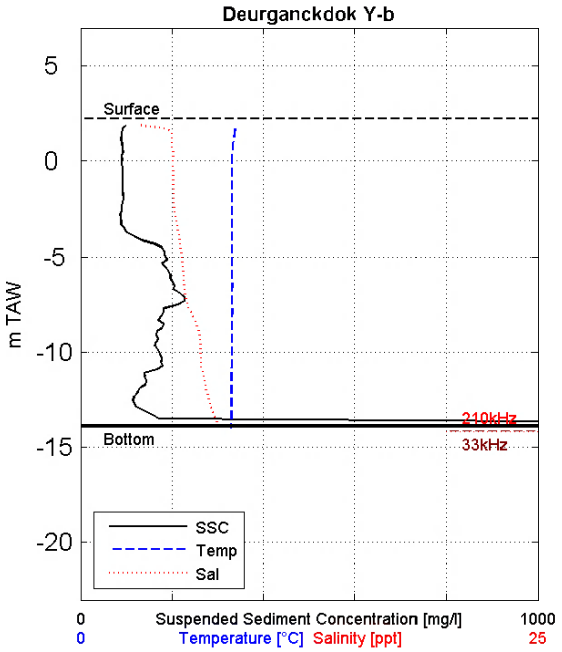
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4070Yb_ctd.sil 4085Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:34
Time after/before HT [MET]:	-4:45
Coordinates [UTM-ED50] Easting:	588682
Coordinates [UTM-ED50] Northing:	5684360
Water-Bottom Interface Siltpr. [m TAW]:	-13.89
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.11

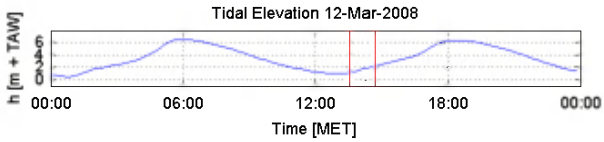
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.83	8.2	3.0	136
0.26	8.2	4.7	135
-0.38	8.2	4.7	136
-1.07	8.2	4.8	154
-1.84	8.2	4.9	164
-2.46	8.1	5.0	160
-3.17	8.2	5.0	163
-3.88	8.2	5.0	157
-4.48	8.2	5.0	168
-5.07	8.2	5.0	159
-5.86	8.2	5.0	162
-6.60	8.2	5.1	162
-7.28	8.2	5.1	168
-7.99	8.2	5.2	168
-8.68	8.2	5.2	171
-9.29	8.2	5.3	169
-9.95	8.3	5.5	164
-10.67	8.3	6.1	131
-11.27	8.2	6.6	98
-11.90	8.3	7.0	85
-12.84	8.2	7.3	145
-13.70	8.2	7.5	201
-13.89	8.2	7.5	7041
Depth Avg	**8.2**	**5.4**	**160**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:42
Time after/before HT [MET]:	-3:37
Coordinates [UTM-ED50] Easting:	588673
Coordinates [UTM-ED50] Northing:	5684379
Water-Bottom Interface Siltpr. [m TAW]:	-13.88
Waterdepth 210 kHz Echo [m TAW]:	-14.19
Waterdepth 33 kHz Echo [m TAW]:	-14.15
Surface Elevation [m TAW]:	2.23

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.95	8.5	2.7	104
1.27	8.4	5.0	89
0.91	8.4	5.0	88
0.49	8.3	5.0	91
-0.08	8.3	5.0	90
-0.89	8.2	5.0	89
-1.85	8.3	5.1	94
-2.74	8.2	5.2	86
-3.57	8.2	5.3	99
-4.34	8.3	5.4	159
-5.17	8.3	5.6	185
-6.03	8.3	5.6	193
-6.96	8.2	5.7	223
-7.90	8.3	6.0	183
-8.77	8.3	6.4	180
-9.42	8.2	6.5	159
-10.22	8.2	6.6	183
-11.02	8.3	6.7	140
-11.77	8.2	6.8	136
-12.58	8.3	7.0	117
-13.23	8.2	7.3	158
-13.88	8.2	7.5	6035
Depth Avg	**8.3**	**5.8**	**183**



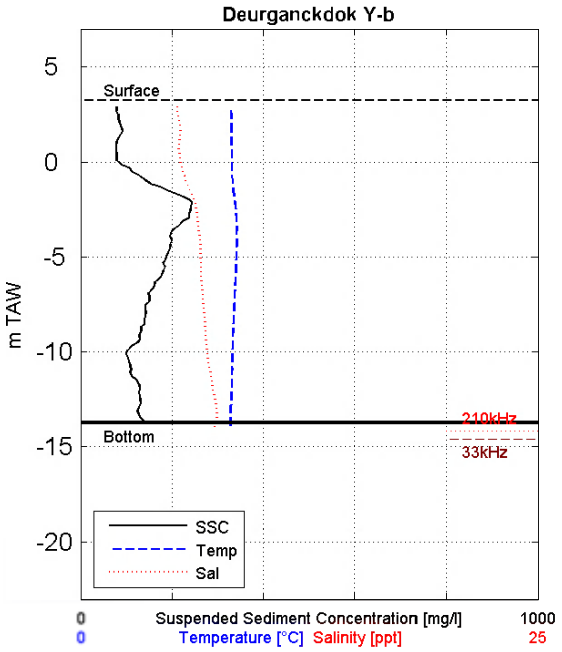
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

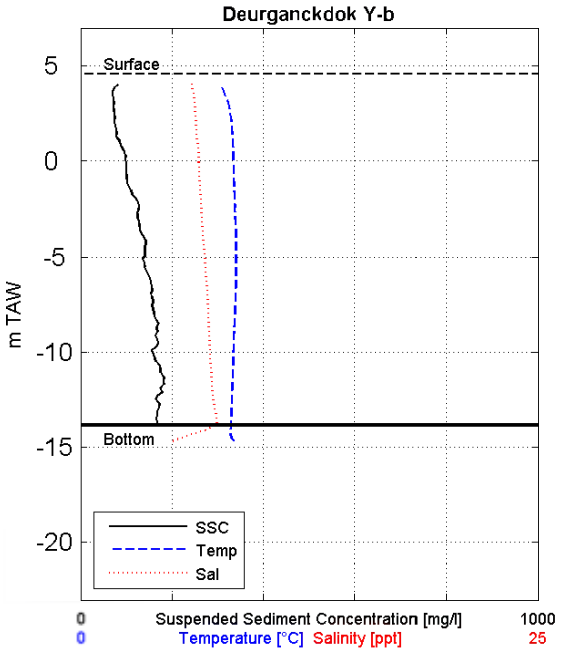
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4101Yb_ctd.sil 4116Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:54
Time after/before HT [MET]:	-2:25
Coordinates [UTM-ED50] Easting:	588657
Coordinates [UTM-ED50] Northing:	5684383
Water-Bottom Interface Siltpr. [m TAW]:	-13.76
Waterdepth 210 kHz Echo [m TAW]:	-14.18
Waterdepth 33 kHz Echo [m TAW]:	-14.59
Surface Elevation [m TAW]:	3.24

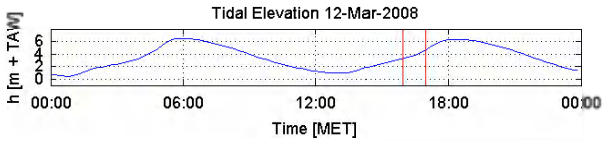
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.94	8.2	5.3	81
2.43	8.3	5.3	84
1.68	8.2	5.4	91
0.83	8.3	5.4	78
-0.11	8.3	5.5	77
-0.82	8.3	5.7	137
-1.52	8.3	6.0	198
-2.34	8.5	6.3	233
-3.14	8.5	6.4	219
-4.03	8.6	6.5	197
-5.17	8.5	6.6	184
-5.97	8.5	6.6	178
-6.73	8.5	6.6	151
-7.46	8.4	6.7	144
-8.21	8.4	6.8	138
-9.01	8.3	6.8	128
-9.82	8.3	6.9	109
-10.61	8.3	7.0	109
-11.36	8.2	7.1	113
-12.12	8.2	7.3	131
-12.78	8.2	7.4	127
-13.48	8.2	7.5	130
-13.76	8.2	7.4	147
Depth Avg	**8.4**	**6.4**	**142**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:56
Time after/before HT [MET]:	-1:23
Coordinates [UTM-ED50] Easting:	588663
Coordinates [UTM-ED50] Northing:	5684380
Water-Bottom Interface Siltpr. [m TAW]:	-13.87
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.60

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.07	7.6	6.0	77
3.23	8.0	6.2	70
2.54	8.2	6.3	75
1.67	8.3	6.3	81
0.77	8.3	6.4	90
-0.02	8.3	6.5	97
-0.94	8.4	6.5	102
-1.88	8.4	6.6	118
-2.82	8.4	6.6	124
-3.70	8.5	6.7	132
-4.65	8.5	6.8	141
-5.59	8.5	6.8	137
-6.48	8.5	6.9	151
-7.42	8.4	7.0	158
-8.28	8.4	7.0	164
-9.06	8.4	7.0	168
-9.90	8.3	7.0	157
-10.67	8.4	7.1	164
-11.37	8.3	7.2	182
-12.16	8.3	7.2	180
-12.91	8.2	7.3	170
-13.72	8.2	7.5	164
-13.87	8.2	7.5	173
Depth Avg	**8.3**	**6.7**	**131**



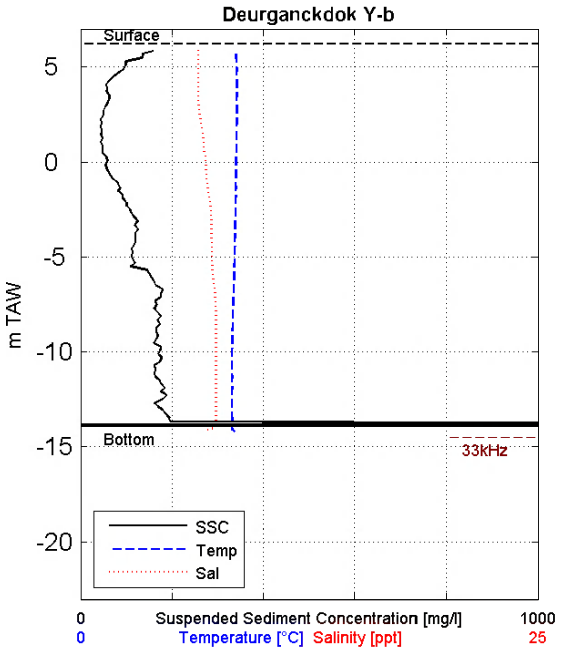
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

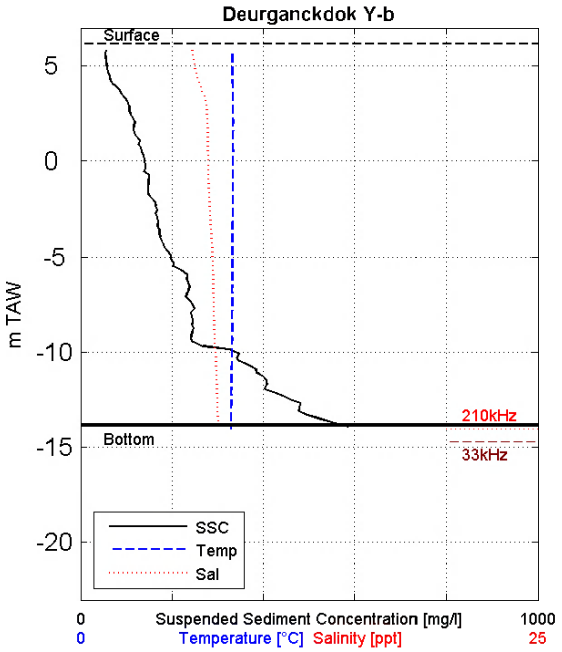
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4131Yb_ctd.sil 4147Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:50
Time after/before HT [MET]:	-0:29
Coordinates [UTM-ED50] Easting:	588659
Coordinates [UTM-ED50] Northing:	5684382
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-14.50
Surface Elevation [m TAW]:	6.20

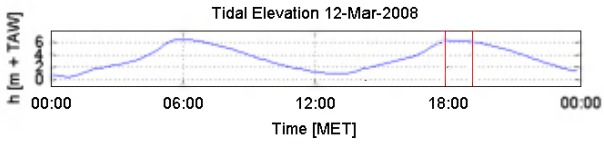
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.92	8.5	6.4	174
5.29	8.5	6.4	124
4.47	8.6	6.4	63
3.42	8.5	6.4	60
2.44	8.6	6.5	41
1.61	8.5	6.7	43
0.61	8.5	6.8	43
-0.41	8.5	6.9	74
-1.46	8.5	7.0	84
-2.48	8.5	7.1	122
-3.56	8.4	7.2	115
-4.50	8.4	7.2	123
-5.44	8.5	7.2	100
-6.45	8.4	7.3	173
-7.43	8.4	7.4	137
-8.40	8.3	7.4	172
-9.35	8.3	7.4	150
-10.26	8.3	7.4	161
-11.14	8.2	7.4	166
-12.05	8.3	7.4	224
-12.86	8.3	7.4	128
-13.72	8.2	7.4	195
-13.90	8.2	7.4	82
Depth Avg	**8.4**	**7.0**	**128**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:07
Time after/before HT [MET]:	0:47
Coordinates [UTM-ED50] Easting:	588671
Coordinates [UTM-ED50] Northing:	5684380
Water-Bottom Interface Siltpr. [m TAW]:	-13.86
Waterdepth 210 kHz Echo [m TAW]:	-14.04
Waterdepth 33 kHz Echo [m TAW]:	-14.72
Surface Elevation [m TAW]:	6.14

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.85	8.3	6.1	55
5.02	8.3	6.2	56
4.14	8.3	6.5	69
3.21	8.3	6.8	101
2.36	8.3	6.9	112
1.36	8.3	6.9	117
0.29	8.3	7.0	136
-0.83	8.3	7.0	149
-1.89	8.3	7.0	155
-2.89	8.3	7.1	167
-3.87	8.3	7.2	171
-4.80	8.3	7.2	199
-5.71	8.3	7.2	226
-6.73	8.3	7.3	238
-7.69	8.3	7.3	251
-8.60	8.2	7.3	247
-9.45	8.3	7.3	246
-10.28	8.3	7.4	349
-11.18	8.3	7.4	390
-12.10	8.2	7.5	421
-12.98	8.2	7.5	477
-13.75	8.2	7.5	555
-13.86	8.2	7.5	1914
Depth Avg	**8.3**	**7.1**	**213**



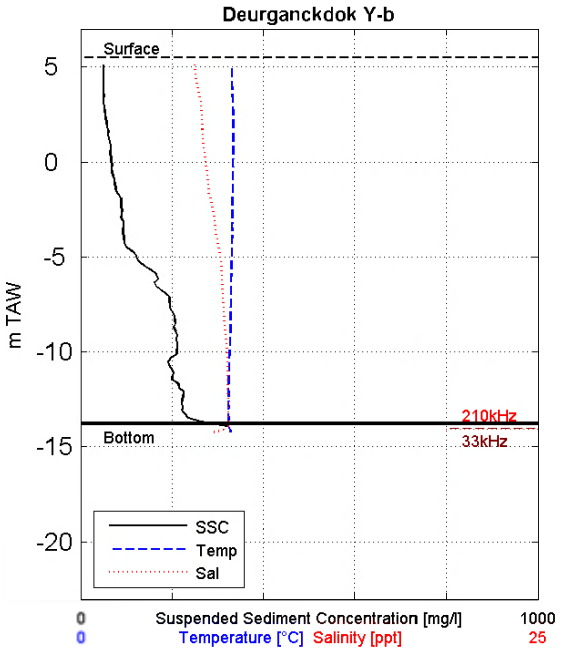
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

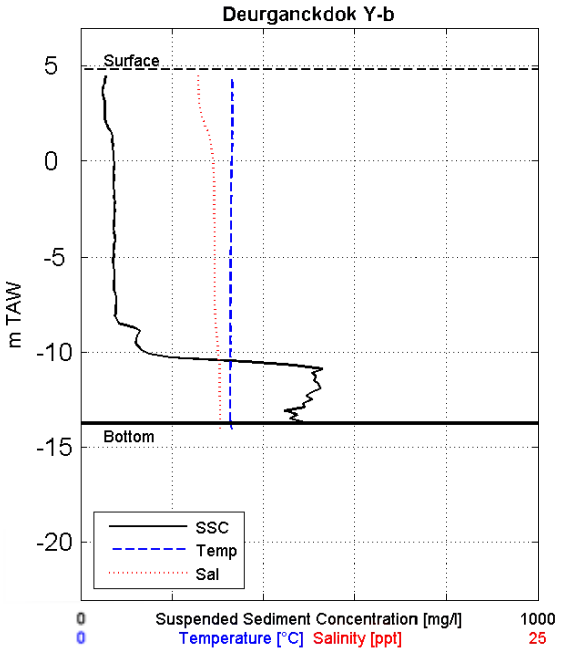
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4162Yb_ctd.sil 4177Yb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:55
Time after/before HT [MET]:	1:35
Coordinates [UTM-ED50] Easting:	588668
Coordinates [UTM-ED50] Northing:	5684376
Water-Bottom Interface Siltpr. [m TAW]:	-13.80
Waterdepth 210 kHz Echo [m TAW]:	-14.07
Waterdepth 33 kHz Echo [m TAW]:	-14.01
Surface Elevation [m TAW]:	5.48

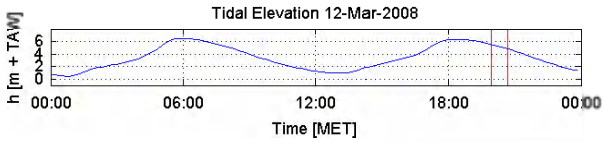
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.18	8.3	6.2	50
4.46	8.2	6.3	44
3.62	8.3	6.5	51
2.72	8.3	6.6	52
1.67	8.4	6.7	62
0.81	8.4	6.7	65
-0.07	8.3	6.8	64
-0.92	8.3	7.0	76
-1.88	8.3	7.1	86
-3.03	8.3	7.3	91
-4.09	8.3	7.5	100
-5.08	8.2	7.6	121
-5.98	8.2	7.7	168
-6.94	8.2	7.8	191
-7.83	8.2	7.8	201
-8.77	8.2	7.9	206
-9.66	8.1	8.0	208
-10.46	8.1	8.0	193
-11.26	8.1	8.1	200
-12.08	8.1	8.1	225
-12.89	8.1	8.0	224
-13.70	8.1	8.1	258
-13.80	8.1	8.1	348
Depth Avg	**8.2**	**7.3**	**129**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:39
Time after/before HT [MET]:	2:19
Coordinates [UTM-ED50] Easting:	588660
Coordinates [UTM-ED50] Northing:	5684379
Water-Bottom Interface Siltpr. [m TAW]:	-13.75
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.82

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.53	8.3	6.4	56
4.27	8.3	6.4	51
3.55	8.3	6.5	46
2.74	8.3	6.5	51
1.85	8.3	6.8	68
0.91	8.3	7.1	69
-0.07	8.3	7.2	71
-0.94	8.2	7.3	73
-1.74	8.2	7.3	73
-2.59	8.2	7.3	73
-3.56	8.2	7.3	70
-4.49	8.2	7.3	72
-5.49	8.2	7.3	72
-6.37	8.3	7.3	73
-7.30	8.2	7.3	75
-8.31	8.2	7.4	81
-9.12	8.2	7.5	126
-10.06	8.2	7.5	139
-10.90	8.1	7.6	534
-11.76	8.2	7.6	526
-12.68	8.2	7.6	457
-13.47	8.2	7.6	476
-13.75	8.2	7.6	486
Depth Avg	**8.2**	**7.2**	**149**



Data Processed by: IMDC

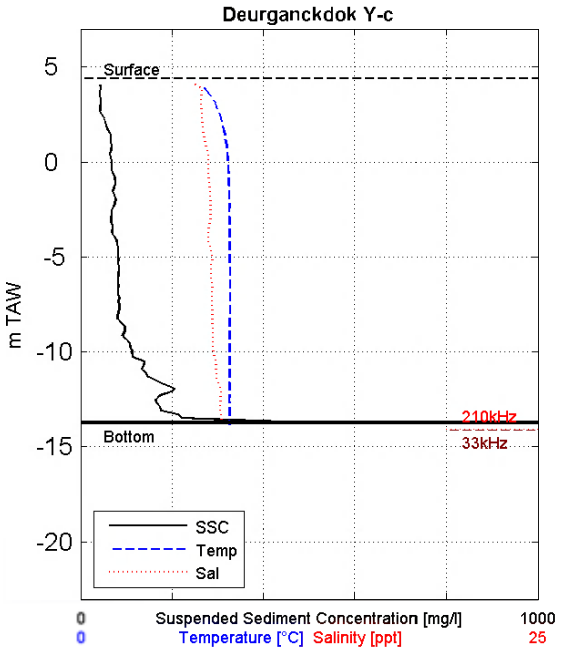
In association with :

I/RA/11283/07.091/MSA

F.8 Location Yc

Through tide measurements Siltprofiler 12 March 2008

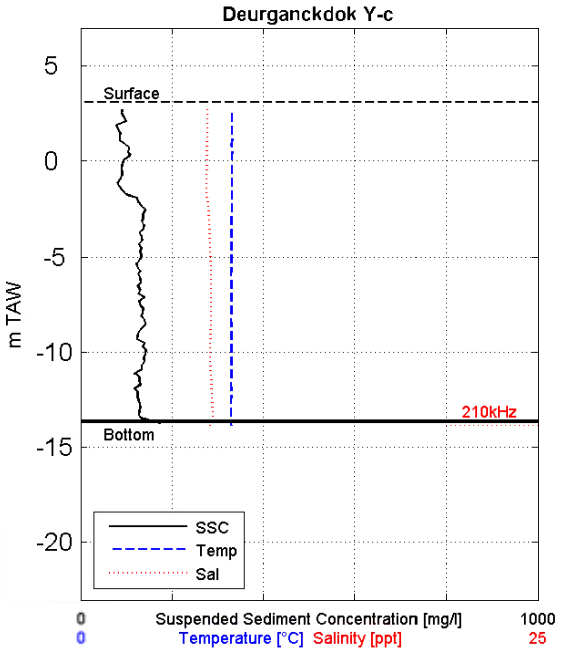
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4008Yc_ctd.sil 4023Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:40
Time after/before HT [MET]:	2:40
Coordinates [UTM-ED50] Easting:	588707
Coordinates [UTM-ED50] Northing:	5684439
Water-Bottom Interface Siltpr. [m TAW]:	-13.75
Waterdepth 210 kHz Echo [m TAW]:	-14.09
Waterdepth 33 kHz Echo [m TAW]:	-14.12
Surface Elevation [m TAW]:	4.38

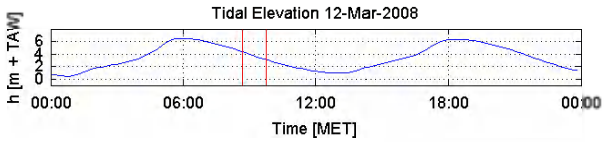
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.09	6.5	5.8	44
3.24	7.2	6.6	43
2.19	7.8	6.6	52
1.24	7.9	6.8	65
0.37	8.0	7.0	63
-0.55	8.1	7.0	73
-1.44	8.1	7.0	72
-2.24	8.2	7.1	70
-2.99	8.1	7.1	68
-3.74	8.1	7.0	63
-4.51	8.2	7.1	81
-5.43	8.1	7.2	82
-6.35	8.1	7.2	80
-7.12	8.2	7.2	80
-7.95	8.2	7.2	81
-8.83	8.1	7.2	97
-9.69	8.1	7.2	106
-10.36	8.2	7.3	128
-11.24	8.1	7.4	148
-12.23	8.1	7.7	168
-13.05	8.1	7.6	173
-13.75	8.1	7.8	291
-13.75	8.2	7.8	2968
Depth Avg	**8.0**	**7.1**	**93**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:46
Time after/before HT [MET]:	3:46
Coordinates [UTM-ED50] Easting:	588691
Coordinates [UTM-ED50] Northing:	5684458
Water-Bottom Interface Siltpr. [m TAW]:	-13.65
Waterdepth 210 kHz Echo [m TAW]:	-13.84
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.07

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.78	8.1	7.0	44
2.71	8.1	6.9	66
2.62	8.2	6.9	90
2.20	8.3	6.9	94
1.59	8.3	6.9	84
0.65	8.3	6.9	100
-0.41	8.2	6.9	91
-1.41	8.3	6.8	81
-2.32	8.3	7.0	130
-3.12	8.2	7.0	131
-3.82	8.3	7.0	143
-4.52	8.2	7.1	131
-5.27	8.3	7.1	116
-6.06	8.3	7.1	124
-7.03	8.3	7.2	140
-7.95	8.3	7.1	132
-8.86	8.2	7.1	138
-9.75	8.2	7.1	138
-10.64	8.2	7.1	123
-11.56	8.2	7.1	111
-12.52	8.2	7.2	135
-13.45	8.2	7.3	123
-13.65	8.3	7.3	1164
Depth Avg	**8.3**	**7.0**	**121**



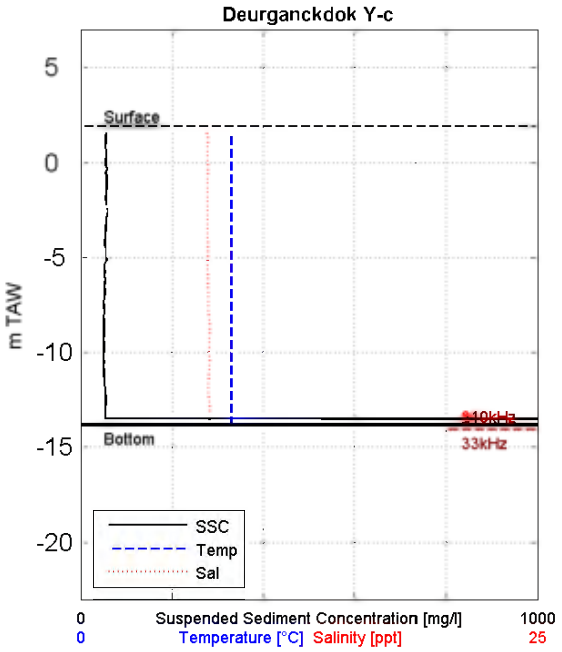
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

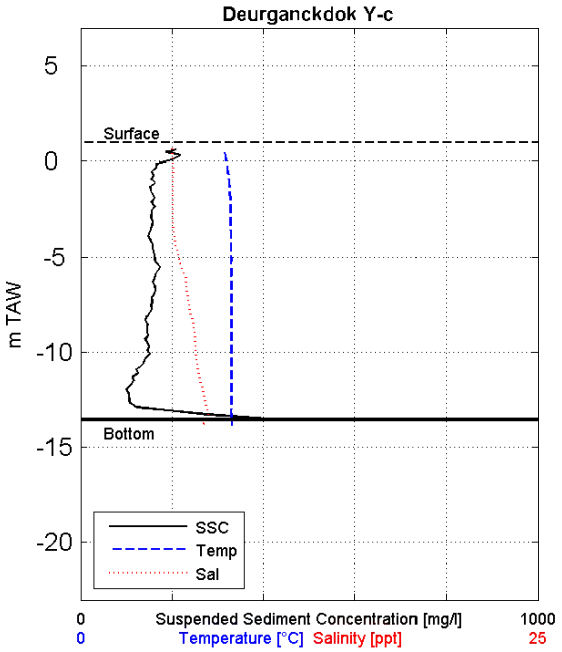
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4038Yc_ctd.sil 4054Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:01
Time after/before HT [MET]:	5:01
Coordinates [UTM-ED50] Easting:	588717
Coordinates [UTM-ED50] Northing:	5684426
Water-Bottom Interface Siltpr. [m TAW]:	-13.86
Waterdepth 210 kHz Echo [m TAW]:	-14.12
Waterdepth 33 kHz Echo [m TAW]:	-14.08
Surface Elevation [m TAW]:	1.89

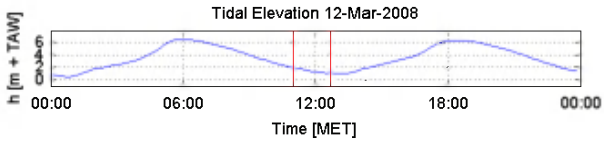
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.61	8.3	6.9	56
0.85	8.3	6.9	56
0.08	8.2	6.9	54
-0.83	8.2	6.9	55
-1.75	8.3	6.9	58
-2.55	8.3	6.9	56
-3.49	8.2	6.9	53
-4.38	8.2	7.0	54
-5.22	8.3	6.9	51
-6.21	8.2	7.0	52
-7.09	8.3	6.9	50
-7.86	8.2	7.0	51
-8.72	8.2	7.0	53
-9.48	8.3	7.0	47
-10.35	8.2	7.0	52
-11.12	8.3	7.0	53
-11.87	8.3	7.0	51
-12.60	8.2	7.0	53
-13.22	8.2	7.1	53
-13.76	8.2	7.0	457
-13.79	8.3	7.0	13042
-13.83	8.3	7.0	5329
-13.86	8.3	7.0	17218
Depth Avg	**8.3**	**7.0**	**138**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:43
Time after/before HT [MET]:	6:43
Coordinates [UTM-ED50] Easting:	588689
Coordinates [UTM-ED50] Northing:	5684457
Water-Bottom Interface Siltpr. [m TAW]:	-13.59
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.95

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.66	7.8	5.0	212
0.05	7.9	5.0	151
-0.58	8.0	5.0	153
-1.21	8.1	5.0	150
-1.91	8.1	5.0	158
-2.62	8.2	5.0	152
-3.30	8.2	5.0	155
-3.89	8.2	5.1	134
-4.58	8.3	5.3	166
-5.46	8.2	5.5	159
-6.24	8.3	5.8	161
-6.86	8.2	5.8	187
-7.45	8.3	5.9	139
-8.17	8.3	6.1	155
-8.91	8.2	6.2	145
-9.52	8.2	6.3	148
-10.11	8.2	6.3	139
-10.71	8.2	6.4	126
-11.43	8.3	6.5	107
-12.13	8.2	6.7	98
-12.82	8.2	6.9	113
-13.46	8.3	7.0	403
-13.59	8.2	6.9	3654
Depth Avg	**8.2**	**5.7**	**157**



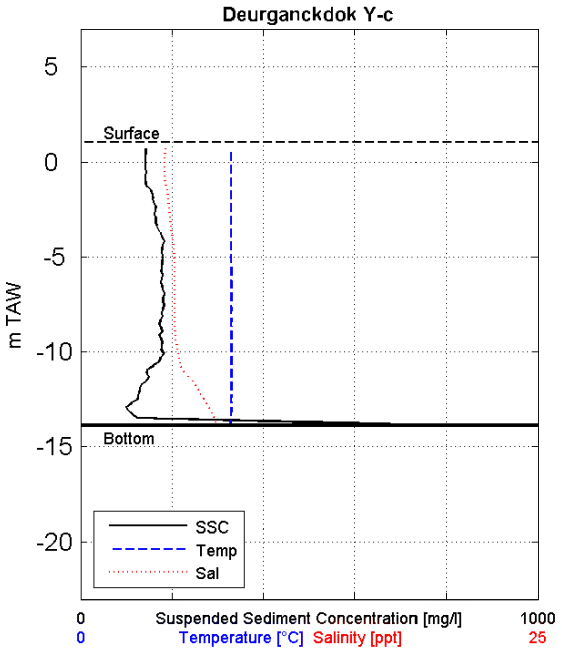
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

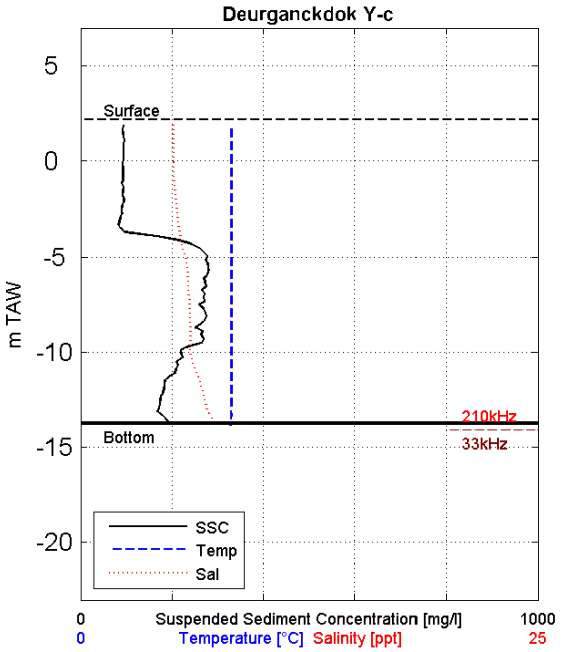
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4069Yc_ctd.sil 4084Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:30
Time after/before HT [MET]:	-4:49
Coordinates [UTM-ED50] Easting:	588716
Coordinates [UTM-ED50] Northing:	5684434
Water-Bottom Interface Siltpr. [m TAW]:	-13.88
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.06

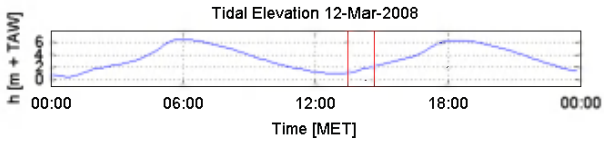
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.78	8.2	4.6	143
0.19	8.3	4.6	140
-0.34	8.2	4.6	144
-1.13	8.2	4.7	140
-1.94	8.2	4.8	155
-2.66	8.2	4.9	162
-3.42	8.2	5.0	168
-4.42	8.3	5.1	179
-5.36	8.2	5.1	178
-6.21	8.2	5.2	168
-7.06	8.2	5.2	180
-8.08	8.2	5.1	177
-8.92	8.3	5.2	179
-9.69	8.3	5.3	181
-10.61	8.2	5.4	168
-11.42	8.3	6.0	149
-12.13	8.3	6.5	129
-13.01	8.3	7.0	100
-13.76	8.2	7.4	957
-13.79	8.2	7.4	553
-13.82	8.2	7.4	1904
-13.85	8.2	7.5	237
-13.88	8.2	7.5	698
Depth Avg	**8.2**	**5.3**	**165**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:38
Time after/before HT [MET]:	-3:41
Coordinates [UTM-ED50] Easting:	588723
Coordinates [UTM-ED50] Northing:	5684436
Water-Bottom Interface Siltpr. [m TAW]:	-13.77
Waterdepth 210 kHz Echo [m TAW]:	-14.08
Waterdepth 33 kHz Echo [m TAW]:	-14.11
Surface Elevation [m TAW]:	2.17

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.88	8.2	5.0	95
1.38	8.3	5.1	94
0.89	8.2	5.0	92
0.16	8.2	5.0	97
-0.55	8.2	5.1	94
-1.29	8.2	5.1	92
-2.15	8.2	5.2	98
-2.91	8.2	5.3	87
-3.63	8.2	5.4	88
-4.34	8.3	5.5	239
-4.99	8.2	5.7	280
-5.74	8.3	5.9	276
-6.49	8.2	5.9	273
-7.28	8.3	5.9	272
-8.07	8.3	6.0	272
-8.87	8.3	6.0	263
-9.61	8.3	6.0	248
-10.35	8.2	6.1	220
-11.15	8.3	6.4	201
-11.98	8.2	6.7	182
-12.72	8.2	6.8	171
-13.43	8.2	7.2	180
-13.77	8.2	7.4	199
Depth Avg	**8.3**	**5.8**	**181**



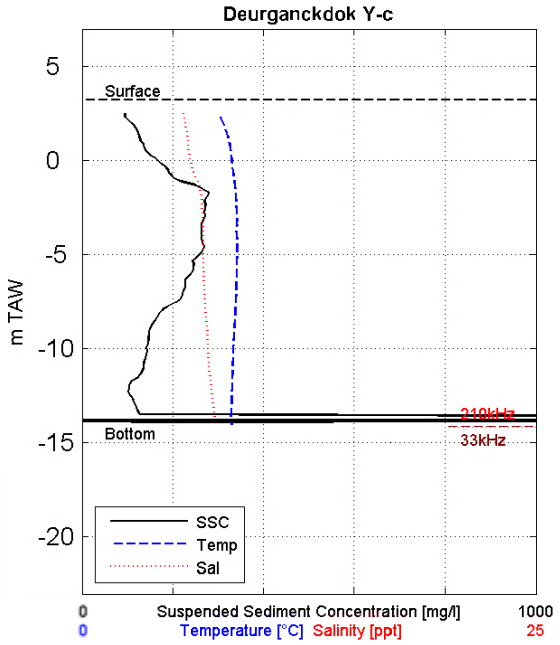
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

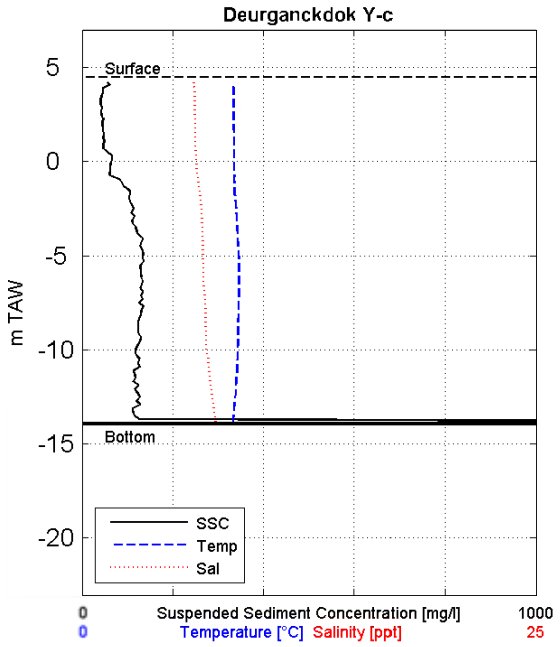
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4100Yc_ctd.sil 4115Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:52
Time after/before HT [MET]:	-2:27
Coordinates [UTM-ED50] Easting:	588716
Coordinates [UTM-ED50] Northing:	5684439
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	-14.18
Waterdepth 33 kHz Echo [m TAW]:	-14.13
Surface Elevation [m TAW]:	3.20

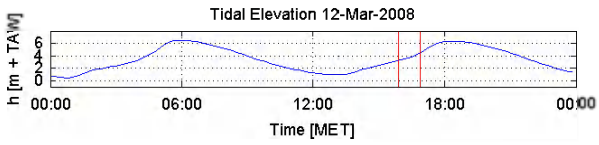
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.56	7.5	5.5	108
1.96	7.8	5.7	109
1.43	8.0	5.8	126
0.91	8.2	5.8	134
0.20	8.3	5.9	153
-0.53	8.3	6.1	191
-1.26	8.4	6.5	241
-1.95	8.5	6.6	270
-2.65	8.5	6.6	266
-3.53	8.6	6.6	263
-4.37	8.6	6.6	265
-5.22	8.5	6.7	247
-5.99	8.5	6.7	238
-6.85	8.5	6.7	224
-7.55	8.5	6.8	206
-8.38	8.4	6.8	162
-9.33	8.4	6.9	147
-10.13	8.4	6.9	142
-10.89	8.3	7.0	136
-11.82	8.3	7.1	103
-12.72	8.3	7.2	114
-13.54	8.2	7.3	131
-13.82	8.2	7.3	66
Depth Avg	**8.3**	**6.6**	**202**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:52
Time after/before HT [MET]:	-1:27
Coordinates [UTM-ED50] Easting:	588703
Coordinates [UTM-ED50] Northing:	5684453
Water-Bottom Interface Siltpr. [m TAW]:	-13.93
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.48

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.20	8.2	6.2	55
4.02	8.4	6.2	42
3.43	8.3	6.2	37
2.56	8.4	6.2	46
1.89	8.4	6.2	46
1.00	8.4	6.2	46
-0.15	8.3	6.3	61
-1.10	8.4	6.4	86
-2.25	8.5	6.5	99
-3.14	8.5	6.6	110
-3.98	8.6	6.6	117
-4.88	8.6	6.7	133
-5.81	8.7	6.7	142
-7.02	8.7	6.7	126
-8.08	8.6	6.8	144
-9.10	8.6	6.8	122
-10.01	8.6	6.8	129
-11.12	8.5	7.0	104
-12.18	8.4	7.1	123
-13.30	8.3	7.3	123
-13.89	8.2	7.4	2349
-13.92	8.2	7.4	4069
-13.93	8.2	7.4	4874
Depth Avg	**8.5**	**6.6**	**113**



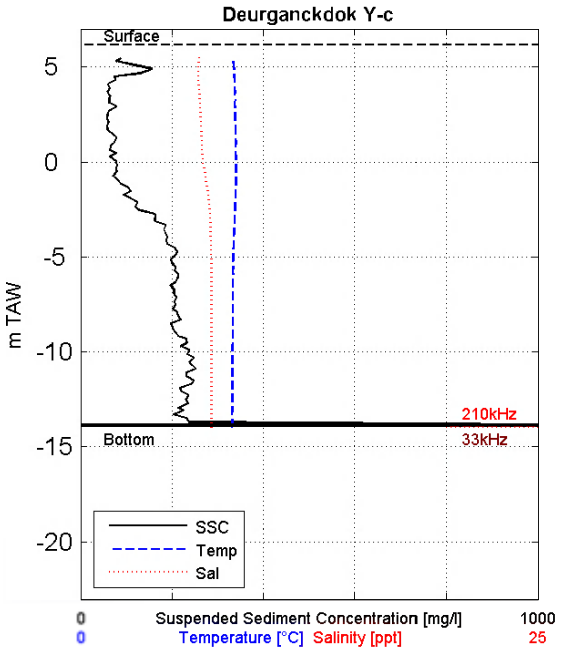
Data Processed by: IMDC

In association with : WL | delft hydraulics, GEMS

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

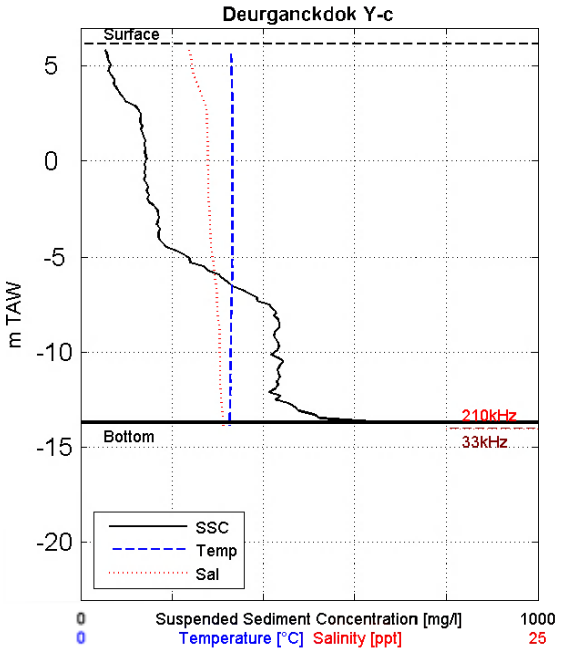
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4130Yc_ctd.sil 4146Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:48
Time after/before HT [MET]:	-0:31
Coordinates [UTM-ED50] Easting:	588697
Coordinates [UTM-ED50] Northing:	5684455
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	-13.98
Waterdepth 33 kHz Echo [m TAW]:	-13.93
Surface Elevation [m TAW]:	6.16

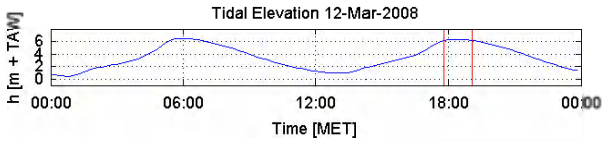
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.51	8.3	6.5	85
4.64	8.4	6.4	402
3.02	8.4	6.5	72
1.67	8.5	6.6	75
0.60	8.4	6.6	67
-0.41	8.5	6.8	72
-1.25	8.5	6.9	90
-2.13	8.4	7.0	118
-3.15	8.4	7.1	178
-4.04	8.4	7.1	204
-4.91	8.4	7.1	208
-5.73	8.3	7.1	216
-6.42	8.3	7.2	214
-7.12	8.3	7.2	206
-7.83	8.3	7.2	214
-8.64	8.3	7.2	189
-9.42	8.2	7.2	242
-10.19	8.2	7.2	255
-11.05	8.3	7.1	241
-11.91	8.3	7.2	242
-12.79	8.3	7.2	231
-13.74	8.3	7.2	269
-13.90	8.3	7.2	27333
Depth Avg	**8.4**	**6.9**	**174**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:03
Time after/before HT [MET]:	0:43
Coordinates [UTM-ED50] Easting:	588710
Coordinates [UTM-ED50] Northing:	5684459
Water-Bottom Interface Siltpr. [m TAW]:	-13.73
Waterdepth 210 kHz Echo [m TAW]:	-14.03
Waterdepth 33 kHz Echo [m TAW]:	-14.00
Surface Elevation [m TAW]:	6.18

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.88	8.2	5.9	55
5.25	8.3	6.0	52
4.46	8.2	6.2	75
3.54	8.3	6.6	85
2.75	8.3	6.9	124
1.78	8.3	6.9	129
0.79	8.3	7.0	140
-0.20	8.3	7.0	138
-1.17	8.3	7.0	141
-2.04	8.3	7.0	152
-2.97	8.3	7.1	175
-3.97	8.3	7.1	170
-5.08	8.3	7.2	234
-6.06	8.3	7.3	303
-7.11	8.2	7.5	380
-8.10	8.2	7.5	434
-9.05	8.2	7.6	413
-9.98	8.2	7.6	428
-10.94	8.2	7.6	435
-11.89	8.2	7.6	442
-12.76	8.2	7.7	476
-13.60	8.2	7.8	542
-13.73	8.2	7.8	598
Depth Avg	**8.3**	**7.1**	**250**



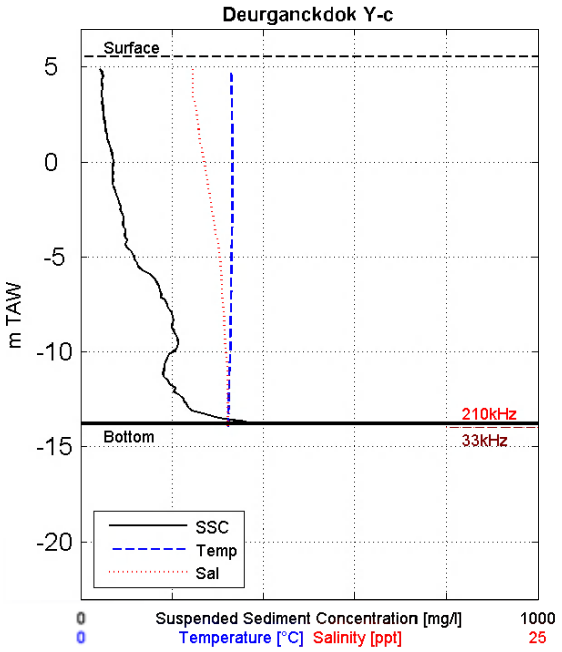
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

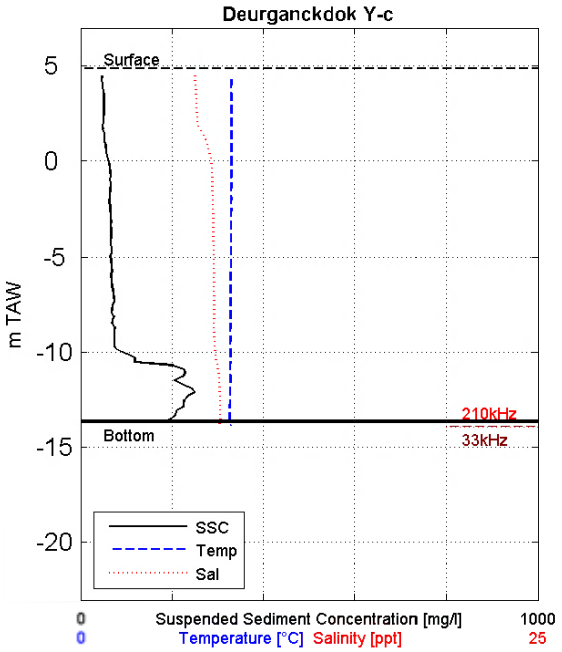
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4161Yc_ctd.sil 4176Yc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:53
Time after/before HT [MET]:	1:33
Coordinates [UTM-ED50] Easting:	588704
Coordinates [UTM-ED50] Northing:	5684445
Water-Bottom Interface Siltpr. [m TAW]:	-13.78
Waterdepth 210 kHz Echo [m TAW]:	-13.99
Waterdepth 33 kHz Echo [m TAW]:	-13.97
Surface Elevation [m TAW]:	5.51

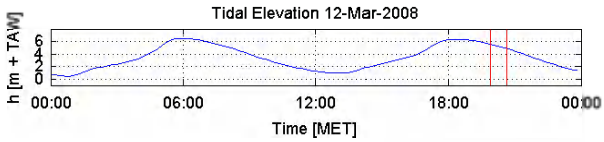
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.97	8.1	6.1	24
4.74	8.2	6.1	47
4.32	8.3	6.1	46
3.54	8.3	6.1	44
2.54	8.2	6.3	48
1.54	8.3	6.5	55
0.46	8.3	6.7	70
-0.54	8.3	6.9	72
-1.45	8.3	7.0	74
-2.38	8.3	7.2	88
-3.21	8.2	7.3	94
-4.17	8.3	7.5	98
-5.15	8.3	7.6	115
-6.08	8.2	7.7	161
-6.84	8.2	7.7	175
-7.66	8.2	7.8	188
-8.56	8.2	7.9	198
-9.63	8.2	7.9	214
-10.64	8.2	8.0	184
-11.52	8.1	8.1	192
-12.34	8.1	8.1	216
-13.46	8.1	8.1	291
-13.78	8.0	8.1	408
Depth Avg	**8.2**	**7.3**	**126**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:37
Time after/before HT [MET]:	2:17
Coordinates [UTM-ED50] Easting:	588701
Coordinates [UTM-ED50] Northing:	5684472
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	-13.94
Waterdepth 33 kHz Echo [m TAW]:	-13.91
Surface Elevation [m TAW]:	4.85

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.57	8.2	6.2	46
3.95	8.2	6.3	49
3.24	8.3	6.3	51
2.38	8.2	6.4	50
1.52	8.3	6.6	49
0.64	8.3	7.0	55
-0.21	8.3	7.2	64
-1.11	8.3	7.2	63
-1.97	8.2	7.2	62
-2.94	8.2	7.2	64
-3.98	8.2	7.3	63
-4.80	8.2	7.3	66
-5.70	8.2	7.3	73
-6.55	8.2	7.3	70
-7.47	8.2	7.3	72
-8.39	8.2	7.3	69
-9.37	8.2	7.3	72
-10.23	8.2	7.4	113
-11.06	8.1	7.5	235
-11.84	8.2	7.6	238
-12.57	8.1	7.6	227
-13.45	8.2	7.6	202
-13.66	8.1	7.6	202
Depth Avg	**8.2**	**7.1**	**90**



Data Processed by: IMDC

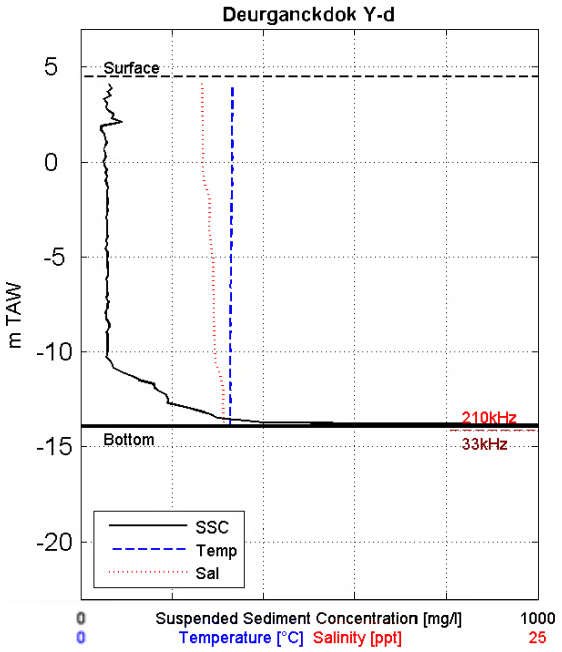
In association with :

I/RA/11283/07.091/MSA

F.9 Location Yd

Through tide measurements Siltprofiler 12 March 2008

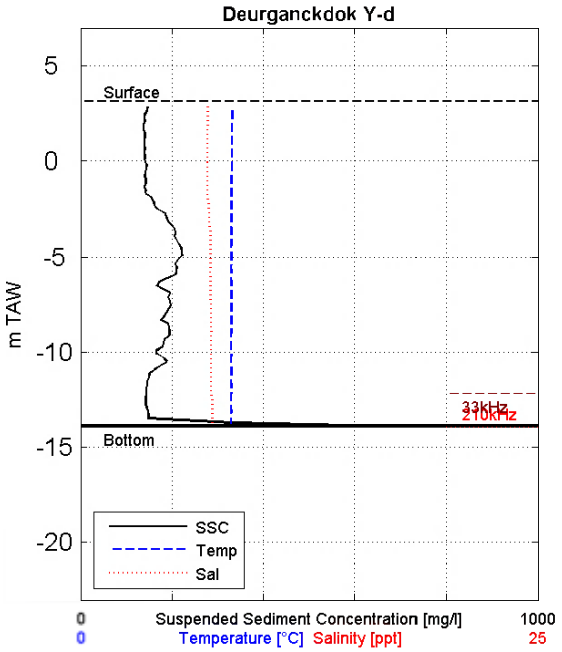
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4007Yd_ctd.sil 4022Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:35
Time after/before HT [MET]:	2:35
Coordinates [UTM-ED50] Easting:	588733
Coordinates [UTM-ED50] Northing:	5684518
Water-Bottom Interface Siltpr. [m TAW]:	-13.93
Waterdepth 210 kHz Echo [m TAW]:	-14.16
Waterdepth 33 kHz Echo [m TAW]:	-14.13
Surface Elevation [m TAW]:	4.47

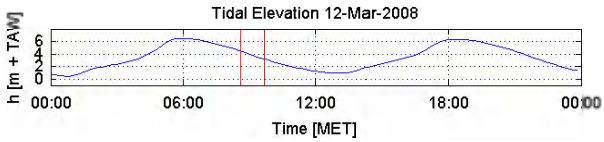
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.18	8.3	6.6	59
3.70	8.3	6.7	43
2.87	8.3	6.7	43
2.00	8.2	6.7	75
0.91	8.3	6.7	50
-0.15	8.3	6.6	54
-1.13	8.3	6.8	56
-2.05	8.2	7.1	48
-2.80	8.3	7.0	57
-3.54	8.3	7.0	60
-4.36	8.2	7.1	56
-5.19	8.3	7.3	61
-5.95	8.2	7.3	57
-7.11	8.2	7.3	55
-8.32	8.2	7.3	56
-9.12	8.2	7.3	61
-10.08	8.2	7.3	62
-10.95	8.1	7.5	82
-11.72	8.1	7.8	163
-12.58	8.2	7.8	194
-13.41	8.1	7.8	315
-13.87	8.2	7.8	333
-13.93	8.2	7.8	1020
Depth Avg	**8.2**	**7.1**	**84**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:42
Time after/before HT [MET]:	3:42
Coordinates [UTM-ED50] Easting:	588738
Coordinates [UTM-ED50] Northing:	5684502
Water-Bottom Interface Siltpr. [m TAW]:	-13.91
Waterdepth 210 kHz Echo [m TAW]:	-13.96
Waterdepth 33 kHz Echo [m TAW]:	-12.19
Surface Elevation [m TAW]:	3.13

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.84	8.3	7.0	146
2.05	8.3	7.0	139
1.23	8.3	6.9	139
0.39	8.2	6.9	139
-0.49	8.3	6.9	135
-1.27	8.2	6.9	141
-2.01	8.2	7.0	159
-2.80	8.2	7.0	191
-3.63	8.3	7.1	208
-4.35	8.2	7.1	217
-5.18	8.3	7.1	216
-5.99	8.2	7.1	208
-6.91	8.2	7.1	191
-7.80	8.3	7.1	184
-8.69	8.2	7.1	192
-9.56	8.2	7.2	178
-10.49	8.3	7.2	188
-11.37	8.3	7.1	148
-12.10	8.2	7.1	144
-12.93	8.2	7.2	144
-13.72	8.2	7.2	150
-13.87	8.2	7.2	822
-13.91	8.2	7.2	575
Depth Avg	**8.2**	**7.1**	**172**



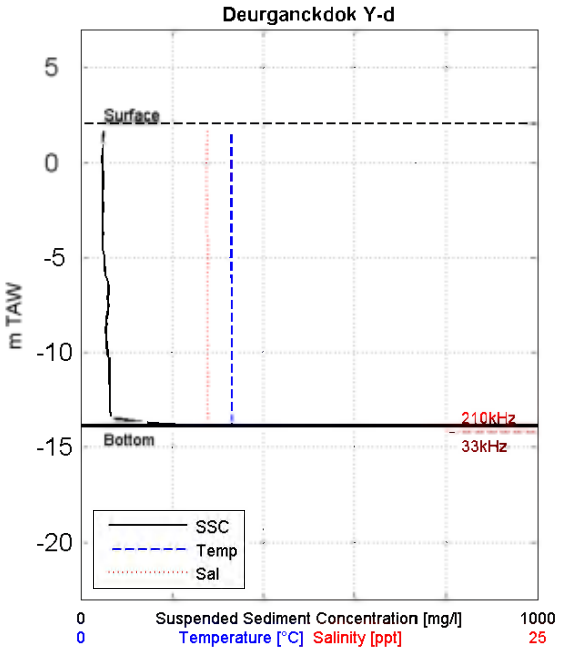
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

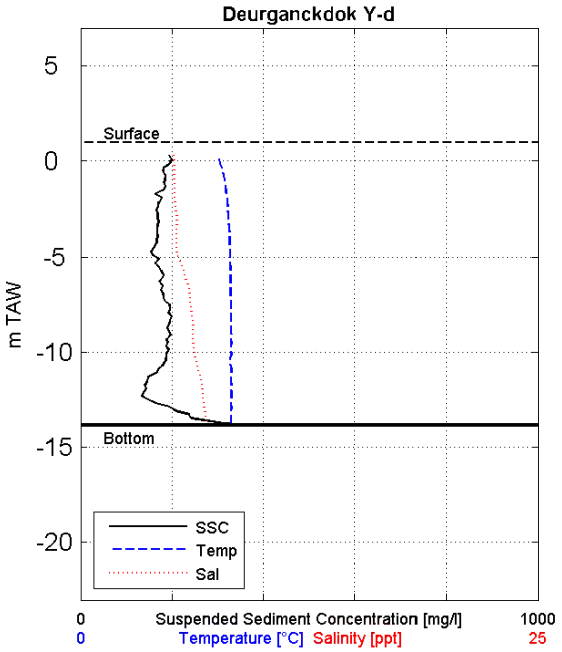
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4036Yd_ctd.sil 4053Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:52
Time after/before HT [MET]:	4:52
Coordinates [UTM-ED50] Easting:	588751
Coordinates [UTM-ED50] Northing:	5684479
Water-Bottom Interface Siltpr. [m TAW]:	-13.89
Waterdepth 210 kHz Echo [m TAW]:	-14.18
Waterdepth 33 kHz Echo [m TAW]:	-14.23
Surface Elevation [m TAW]:	2.01

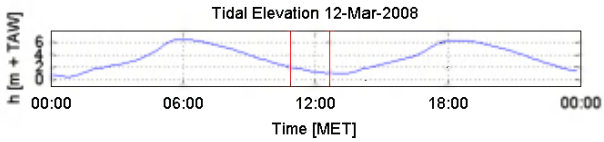
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.73	8.2	6.9	49
1.01	8.2	6.9	49
0.23	8.3	6.9	48
-0.59	8.3	6.8	47
-1.39	8.3	6.9	48
-2.13	8.3	6.9	47
-3.00	8.3	6.9	47
-3.85	8.3	6.9	48
-4.71	8.3	7.0	50
-5.54	8.2	6.9	55
-6.43	8.3	6.9	57
-7.29	8.3	6.9	59
-8.14	8.2	6.9	55
-8.98	8.2	6.9	58
-9.74	8.2	6.9	56
-10.54	8.3	6.9	63
-11.25	8.3	6.9	64
-12.00	8.3	6.9	60
-12.76	8.3	6.9	66
-13.57	8.3	6.9	68
-13.75	8.2	6.9	66
-13.80	8.2	6.9	69
-13.89	8.3	6.9	379
Depth Avg	**8.3**	**6.9**	**56**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:40
Time after/before HT [MET]:	6:40
Coordinates [UTM-ED50] Easting:	588761
Coordinates [UTM-ED50] Northing:	5684513
Water-Bottom Interface Siltpr. [m TAW]:	-13.84
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.96

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.35	7.5	5.1	195
-0.36	7.7	5.1	180
-1.22	8.0	5.1	176
-2.07	8.0	5.1	169
-2.98	8.1	5.3	177
-3.69	8.1	5.2	166
-4.42	8.2	5.2	172
-5.33	8.2	5.5	169
-6.17	8.2	5.8	175
-6.95	8.3	6.0	186
-7.66	8.2	6.0	199
-8.35	8.3	6.1	192
-9.13	8.3	6.1	205
-9.88	8.2	6.2	201
-10.62	8.2	6.4	173
-11.32	8.2	6.5	147
-12.02	8.2	6.7	137
-12.64	8.2	6.7	147
-13.28	8.2	6.8	255
-13.72	8.2	7.0	385
-13.77	8.2	7.0	211
-13.83	8.2	7.0	223
-13.84	8.2	7.0	477
Depth Avg	**8.1**	**5.8**	**180**



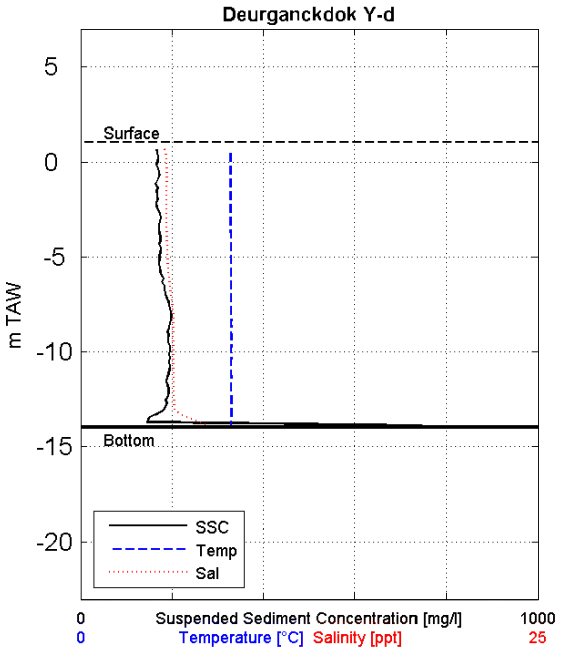
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

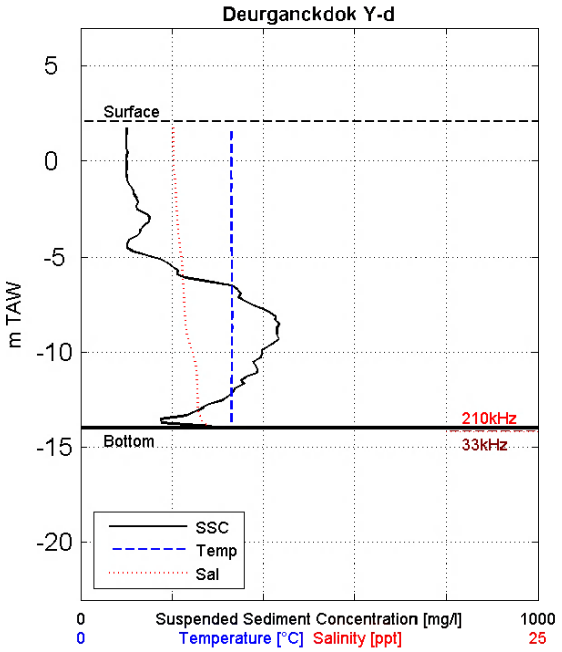
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4068Yd_ctd.sil 4083Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:28
Time after/before HT [MET]:	-4:51
Coordinates [UTM-ED50] Easting:	588771
Coordinates [UTM-ED50] Northing:	5684516
Water-Bottom Interface Siltpr. [m TAW]:	-13.97
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.05

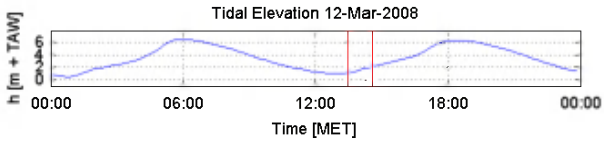
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.76	8.2	4.5	161
0.28	8.2	4.7	166
-0.45	8.2	4.7	170
-1.01	8.2	4.7	166
-1.64	8.2	4.7	166
-2.32	8.2	4.7	164
-3.15	8.2	4.7	171
-3.81	8.2	4.7	174
-4.48	8.2	4.7	175
-5.24	8.2	4.8	172
-6.07	8.2	4.8	181
-6.80	8.2	4.9	189
-7.49	8.3	5.0	193
-8.25	8.2	5.1	199
-9.22	8.2	5.0	193
-10.16	8.2	5.1	193
-10.95	8.2	5.0	194
-11.73	8.2	5.1	189
-12.57	8.2	5.1	182
-13.44	8.2	5.8	149
-13.88	8.3	6.9	1368
-13.94	8.2	7.1	390
-13.97	8.2	7.1	957
Depth Avg	**8.2**	**4.9**	**183**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:33
Time after/before HT [MET]:	-3:46
Coordinates [UTM-ED50] Easting:	588743
Coordinates [UTM-ED50] Northing:	5684497
Water-Bottom Interface Siltpr. [m TAW]:	-13.99
Waterdepth 210 kHz Echo [m TAW]:	-14.18
Waterdepth 33 kHz Echo [m TAW]:	-14.15
Surface Elevation [m TAW]:	2.09

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.80	8.2	5.0	100
1.41	8.2	5.0	100
0.83	8.3	5.0	101
0.05	8.3	5.1	101
-0.69	8.2	5.1	100
-1.57	8.2	5.2	118
-2.40	8.3	5.2	118
-3.18	8.3	5.3	146
-4.02	8.3	5.4	110
-4.85	8.3	5.5	125
-5.63	8.3	5.5	208
-6.32	8.3	5.6	316
-7.25	8.2	5.7	355
-8.14	8.3	5.7	422
-8.98	8.3	5.8	435
-9.82	8.3	6.0	397
-10.74	8.3	6.3	380
-11.54	8.2	6.4	362
-12.35	8.3	6.4	316
-13.11	8.3	6.5	256
-13.88	8.2	6.9	187
-13.97	8.2	7.0	839
-13.99	8.2	7.0	596
Depth Avg	**8.3**	**5.6**	**236**



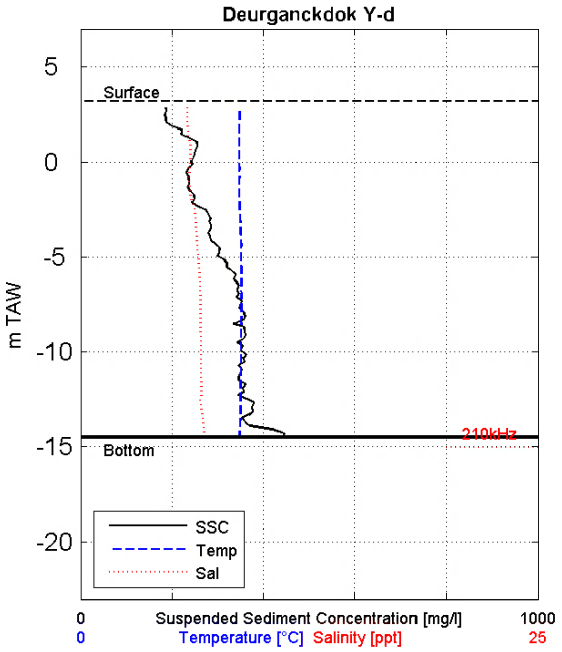
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

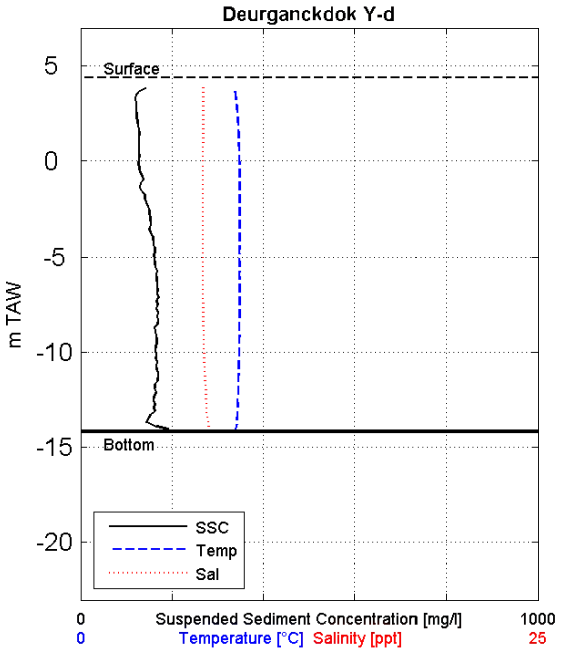
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4099Yd_ctd.sil 4114Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:49
Time after/before HT [MET]:	-2:30
Coordinates [UTM-ED50] Easting:	588780
Coordinates [UTM-ED50] Northing:	5684534
Water-Bottom Interface Siltpr. [m TAW]:	-14.50
Waterdepth 210 kHz Echo [m TAW]:	-15.04
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.16

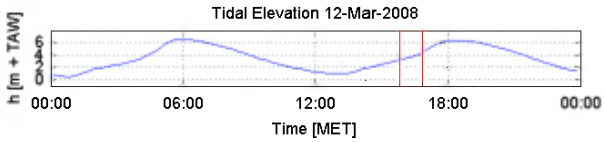
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.87	8.7	5.8	185
2.21	8.7	5.8	186
1.55	8.7	5.9	216
0.81	8.7	6.0	254
0.07	8.7	6.0	242
-0.75	8.7	5.9	237
-1.48	8.7	6.0	240
-2.33	8.7	6.2	261
-3.21	8.7	6.3	283
-4.04	8.8	6.3	286
-4.96	8.7	6.4	309
-5.88	8.8	6.5	341
-6.87	8.8	6.5	343
-7.77	8.8	6.5	338
-8.54	8.8	6.6	330
-9.34	8.8	6.6	353
-10.15	8.8	6.6	366
-10.96	8.8	6.6	349
-11.91	8.7	6.6	355
-12.86	8.7	6.6	365
-13.74	8.7	6.7	353
-14.37	8.7	6.8	461
-14.50	8.7	6.8	490
Depth Avg	**8.7**	**6.3**	**305**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:49
Time after/before HT [MET]:	-1:30
Coordinates [UTM-ED50] Easting:	588755
Coordinates [UTM-ED50] Northing:	5684512
Water-Bottom Interface Siltpr. [m TAW]:	-14.18
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.37

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.88	8.4	6.7	132
2.93	8.5	6.7	122
2.05	8.6	6.7	123
1.24	8.6	6.7	126
0.49	8.7	6.7	127
-0.19	8.7	6.7	129
-0.94	8.7	6.7	137
-1.71	8.7	6.7	139
-2.78	8.7	6.7	149
-3.84	8.7	6.7	158
-4.81	8.7	6.7	158
-5.73	8.7	6.7	166
-6.71	8.6	6.7	171
-7.60	8.7	6.7	168
-8.42	8.7	6.7	171
-9.48	8.7	6.7	165
-10.43	8.6	6.7	165
-11.32	8.6	6.8	170
-12.28	8.6	6.9	161
-13.19	8.6	6.9	163
-14.01	8.4	7.0	152
-14.10	8.5	7.0	326
-14.18	8.5	7.0	186
Depth Avg	**8.6**	**6.7**	**150**



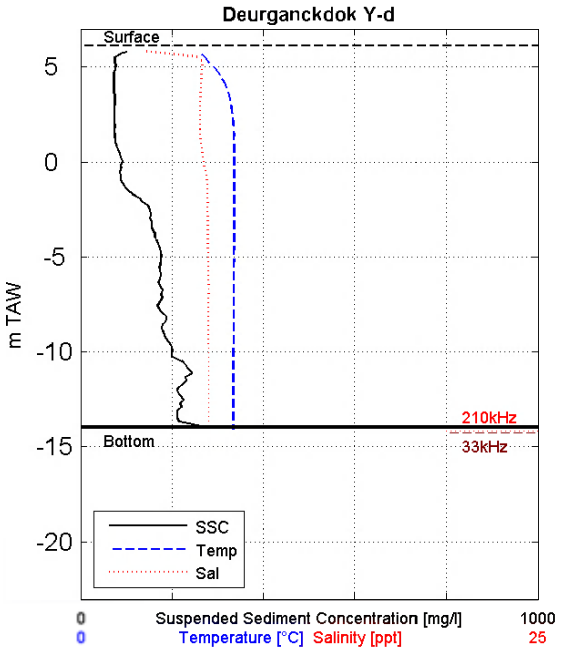
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

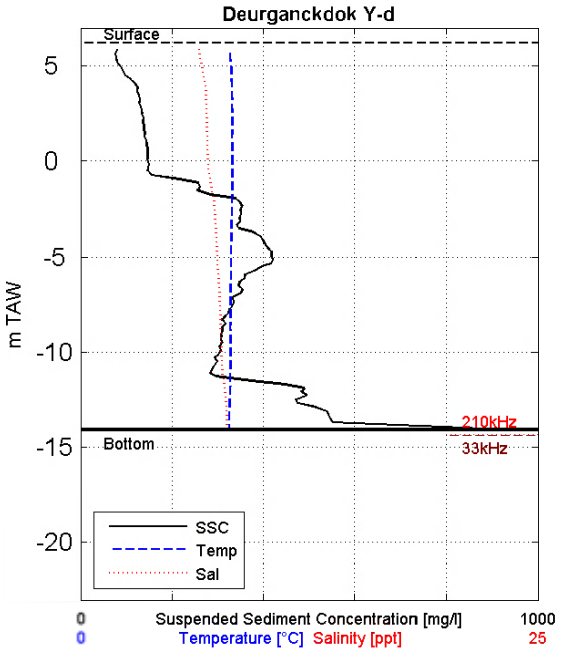
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4129Yd_ctd.sil 4145Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:45
Time after/before HT [MET]:	-0:34
Coordinates [UTM-ED50] Easting:	588737
Coordinates [UTM-ED50] Northing:	5684472
Water-Bottom Interface Siltpr. [m TAW]:	-13.99
Waterdepth 210 kHz Echo [m TAW]:	-14.17
Waterdepth 33 kHz Echo [m TAW]:	-14.27
Surface Elevation [m TAW]:	6.11

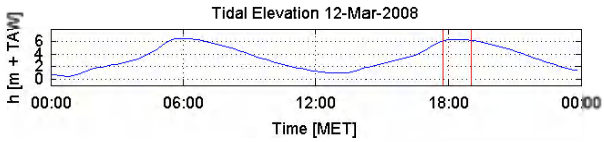
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.82	6.4	3.6	101
4.92	7.4	6.6	79
4.08	7.9	6.6	72
3.38	8.2	6.5	73
2.46	8.3	6.5	70
1.44	8.4	6.5	73
0.26	8.4	6.7	89
-0.87	8.4	6.9	88
-1.82	8.4	7.0	127
-2.59	8.4	6.9	152
-3.51	8.4	7.0	157
-4.62	8.4	7.0	173
-5.76	8.4	7.0	173
-6.78	8.4	7.0	178
-7.72	8.4	7.0	170
-8.46	8.3	7.0	187
-9.49	8.4	7.0	202
-10.51	8.4	7.0	226
-11.56	8.4	7.0	227
-12.37	8.3	7.0	217
-13.08	8.3	7.0	212
-13.93	8.3	7.0	222
-13.99	8.4	7.0	2003
Depth Avg	**8.2**	**6.8**	**146**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:00
Time after/before HT [MET]:	0:40
Coordinates [UTM-ED50] Easting:	588762
Coordinates [UTM-ED50] Northing:	5684538
Water-Bottom Interface Siltpr. [m TAW]:	-14.11
Waterdepth 210 kHz Echo [m TAW]:	-14.35
Waterdepth 33 kHz Echo [m TAW]:	-14.37
Surface Elevation [m TAW]:	6.21

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.93	8.2	6.5	87
5.22	8.2	6.6	80
4.40	8.3	6.7	109
3.51	8.3	6.9	127
2.58	8.3	6.9	134
1.63	8.3	6.9	142
0.62	8.3	6.9	144
-0.45	8.3	7.0	147
-1.54	8.3	7.2	250
-2.57	8.2	7.3	353
-3.67	8.3	7.4	385
-4.69	8.2	7.5	421
-5.59	8.2	7.5	388
-6.61	8.3	7.6	353
-7.65	8.2	7.6	323
-8.75	8.2	7.7	310
-9.87	8.2	7.7	310
-10.90	8.2	7.7	285
-11.88	8.1	7.9	494
-12.87	8.1	8.0	526
-13.89	8.1	8.0	522
-14.07	8.1	8.0	574
-14.11	8.1	8.0	883
Depth Avg	**8.2**	**7.3**	**286**



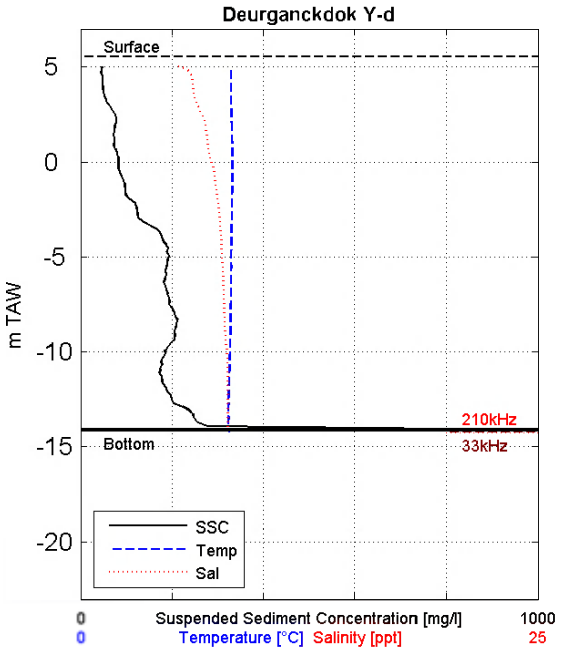
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

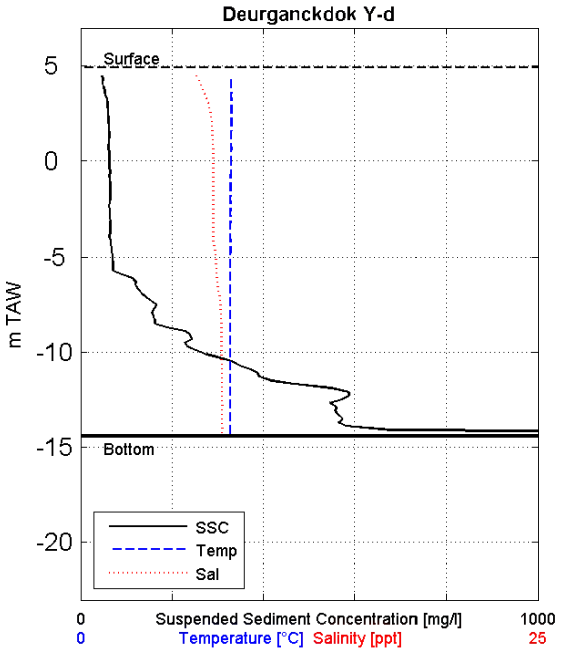
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4160Yd_ctd.sil 4175Yd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:50
Time after/before HT [MET]:	1:30
Coordinates [UTM-ED50] Easting:	588763
Coordinates [UTM-ED50] Northing:	5684548
Water-Bottom Interface Siltpr. [m TAW]:	-14.13
Waterdepth 210 kHz Echo [m TAW]:	-14.27
Waterdepth 33 kHz Echo [m TAW]:	-14.24
Surface Elevation [m TAW]:	5.55

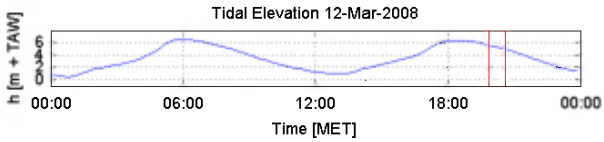
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.02	8.2	5.4	46
4.61	8.2	6.1	45
3.86	8.2	6.2	52
2.80	8.2	6.5	65
1.75	8.3	6.8	72
0.72	8.3	7.0	74
-0.39	8.3	7.3	85
-1.60	8.3	7.4	96
-2.74	8.2	7.6	126
-3.80	8.3	7.7	179
-4.55	8.3	7.7	184
-5.35	8.2	7.7	190
-6.26	8.2	7.8	184
-7.27	8.3	7.8	192
-8.34	8.2	7.9	213
-9.19	8.2	7.9	207
-10.10	8.2	8.0	188
-11.26	8.1	8.1	177
-12.46	8.1	8.1	199
-13.61	8.1	8.1	252
-14.10	8.1	8.1	245
-14.13	8.1	8.1	263
-14.13	8.0	8.1	4531
Depth Avg	**8.2**	**7.4**	**147**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:34
Time after/before HT [MET]:	2:14
Coordinates [UTM-ED50] Easting:	588761
Coordinates [UTM-ED50] Northing:	5684527
Water-Bottom Interface Siltpr. [m TAW]:	-14.41
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.89

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.57	8.1	6.0	36
4.41	8.2	6.4	51
3.93	8.3	6.6	48
3.02	8.3	7.0	60
1.91	8.2	7.2	61
0.73	8.2	7.2	60
-0.48	8.2	7.3	66
-1.62	8.2	7.3	64
-2.65	8.2	7.3	63
-3.78	8.2	7.3	67
-4.96	8.1	7.4	72
-6.17	8.1	7.5	121
-7.19	8.1	7.6	143
-8.24	8.2	7.7	155
-9.27	8.2	7.7	243
-10.34	8.2	7.7	308
-11.34	8.1	7.7	408
-12.34	8.2	7.7	589
-13.40	8.2	7.7	550
-14.22	8.1	7.7	993
-14.28	8.2	7.7	539
-14.32	8.2	7.7	2359
-14.41	8.2	7.7	3279
Depth Avg	**8.2**	**7.4**	**202**



Data Processed by: IMDC

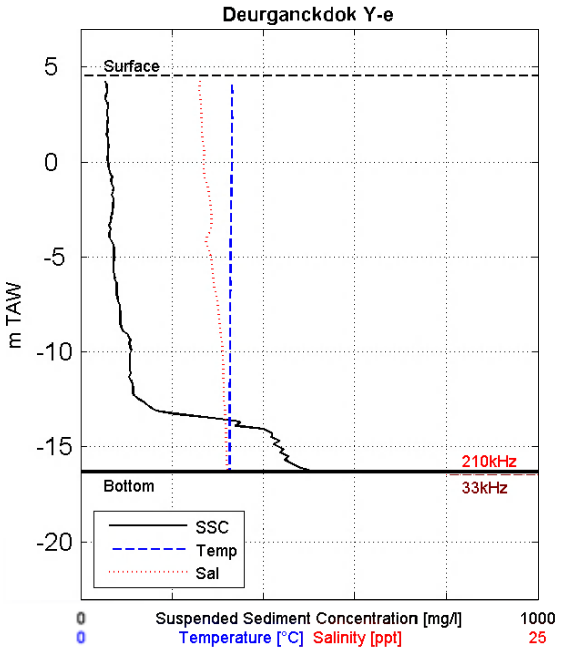
In association with :

I/RA/11283/07.091/MSA

F.10 Location Ye

Through tide measurements Siltprofiler 12 March 2008

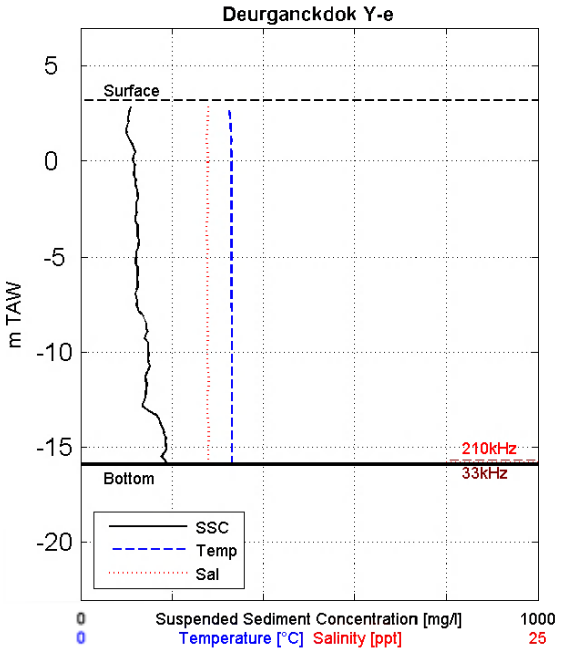
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4006Ye_ctd.sil 4021Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:32
Time after/before HT [MET]:	2:32
Coordinates [UTM-ED50] Easting:	588806
Coordinates [UTM-ED50] Northing:	5684596
Water-Bottom Interface Siltpr. [m TAW]:	-16.34
Waterdepth 210 kHz Echo [m TAW]:	-16.48
Waterdepth 33 kHz Echo [m TAW]:	-16.47
Surface Elevation [m TAW]:	4.54

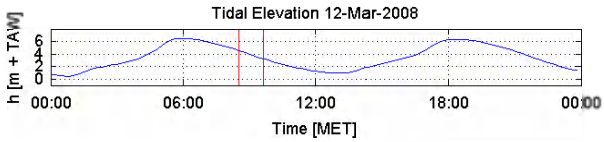
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.25	8.2	6.6	23
3.75	8.3	6.5	56
2.99	8.3	6.6	59
1.96	8.3	6.6	55
0.98	8.3	6.7	59
-0.13	8.3	6.7	59
-1.09	8.2	6.9	67
-2.05	8.3	7.1	72
-3.13	8.2	7.2	66
-4.27	8.3	6.9	71
-5.53	8.2	7.2	73
-6.71	8.2	7.3	79
-7.79	8.2	7.5	88
-8.77	8.2	7.6	88
-9.82	8.2	7.8	109
-10.83	8.2	7.8	106
-11.77	8.2	7.8	118
-12.60	8.2	7.8	129
-13.53	8.2	7.9	299
-14.57	8.1	8.0	443
-15.62	8.2	8.0	436
-16.28	8.1	8.0	495
-16.34	8.2	8.0	496
Depth Avg	**8.2**	**7.3**	**127**



Siltprofiler

Date & Time [MET]:	12/3/2008 09:38
Time after/before HT [MET]:	3:38
Coordinates [UTM-ED50] Easting:	588797
Coordinates [UTM-ED50] Northing:	5684579
Water-Bottom Interface Siltpr. [m TAW]:	-15.94
Waterdepth 210 kHz Echo [m TAW]:	-15.76
Waterdepth 33 kHz Echo [m TAW]:	-15.67
Surface Elevation [m TAW]:	3.20

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.92	8.1	7.0	108
1.99	8.2	6.9	104
1.06	8.2	6.9	113
0.16	8.3	7.0	113
-0.82	8.3	6.9	114
-1.80	8.2	6.9	126
-2.85	8.2	6.9	118
-3.71	8.2	6.9	126
-4.48	8.3	6.9	124
-5.50	8.2	6.9	126
-6.44	8.2	6.9	123
-7.28	8.3	6.9	123
-8.11	8.3	7.0	136
-8.86	8.3	7.0	146
-9.72	8.3	6.9	146
-10.76	8.2	7.0	152
-11.79	8.2	7.0	147
-12.54	8.3	6.9	140
-13.25	8.2	6.9	164
-14.07	8.3	7.0	180
-15.11	8.3	7.0	188
-15.84	8.3	7.0	187
-15.94	8.3	7.0	191
Depth Avg	**8.2**	**6.9**	**134**



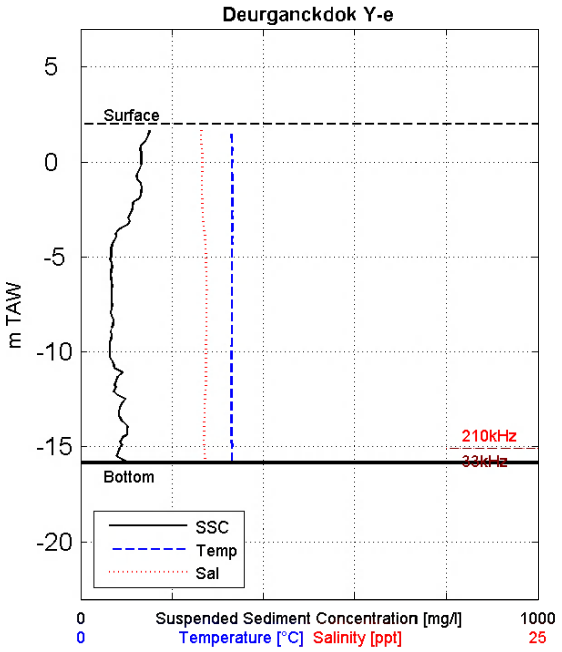
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

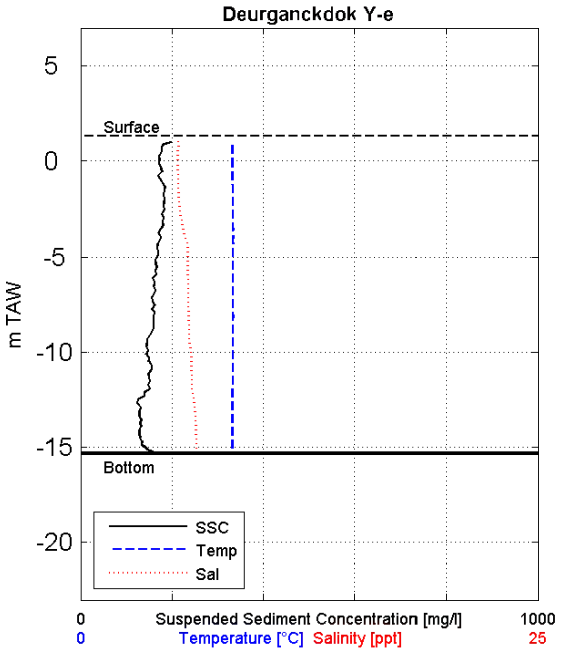
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4037Ye_ctd.sil 4052Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 10:55
Time after/before HT [MET]:	4:55
Coordinates [UTM-ED50] Easting:	588780
Coordinates [UTM-ED50] Northing:	5684579
Water-Bottom Interface Siltpr. [m TAW]:	-15.86
Waterdepth 210 kHz Echo [m TAW]:	-15.11
Waterdepth 33 kHz Echo [m TAW]:	-15.07
Surface Elevation [m TAW]:	1.97

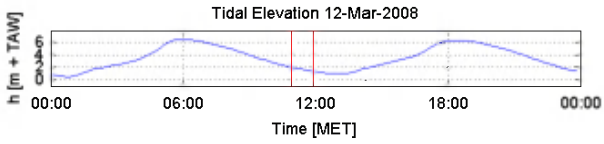
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.68	8.3	6.6	151
1.07	8.2	6.6	144
0.09	8.3	6.7	132
-0.90	8.3	6.6	122
-1.75	8.3	6.6	133
-2.62	8.3	6.7	103
-3.59	8.3	6.8	83
-4.69	8.3	6.8	66
-5.73	8.3	6.9	65
-6.75	8.2	6.9	66
-7.70	8.3	6.9	69
-8.59	8.3	6.9	69
-9.49	8.3	6.9	64
-10.45	8.2	6.9	65
-11.35	8.3	6.8	75
-12.19	8.3	6.8	72
-13.03	8.2	6.8	86
-13.89	8.3	6.8	101
-14.70	8.3	6.7	88
-15.64	8.3	6.8	97
-15.74	8.3	6.8	100
-15.79	8.3	6.8	91
-15.86	8.3	6.8	104
Depth Avg	**8.3**	**6.8**	**91**



Siltprofiler

Date & Time [MET]:	12/3/2008 11:55
Time after/before HT [MET]:	5:55
Coordinates [UTM-ED50] Easting:	588770
Coordinates [UTM-ED50] Northing:	5684592
Water-Bottom Interface Siltpr. [m TAW]:	-15.36
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.29

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.01	8.4	5.3	199
0.83	8.3	5.4	180
0.74	8.4	5.3	183
0.65	8.3	5.3	180
0.11	8.3	5.3	172
-0.71	8.3	5.3	168
-1.51	8.3	5.3	180
-2.30	8.3	5.4	180
-3.27	8.3	5.5	172
-4.17	8.3	5.8	166
-4.98	8.3	5.9	172
-6.04	8.3	5.9	158
-7.23	8.3	5.9	166
-8.36	8.4	5.9	163
-9.46	8.3	6.0	146
-10.54	8.3	6.1	142
-11.54	8.3	6.0	151
-12.46	8.3	6.2	134
-13.52	8.3	6.3	136
-14.44	8.3	6.3	131
-15.19	8.3	6.3	146
-15.31	8.3	6.3	153
-15.36	8.3	6.3	170
Depth Avg	**8.3**	**5.8**	**159**



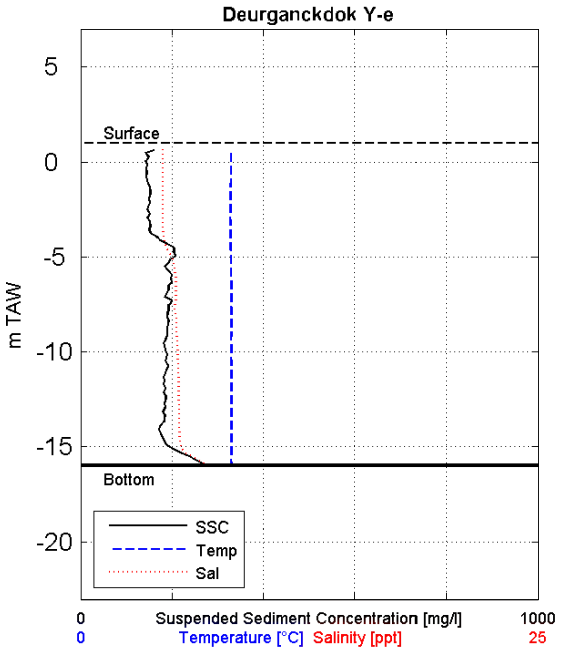
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

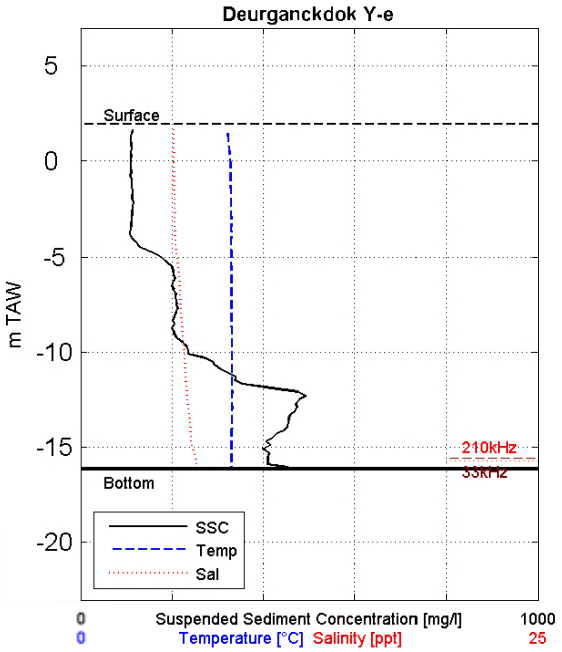
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4067Ye_ctd.sil 4082Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:24
Time after/before HT [MET]:	-4:55
Coordinates [UTM-ED50] Easting:	588783
Coordinates [UTM-ED50] Northing:	5684579
Water-Bottom Interface Siltpr. [m TAW]:	-16.02
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.02

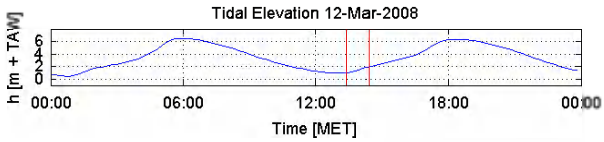
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.73	8.3	4.5	180
0.13	8.3	4.5	148
-0.51	8.3	4.5	134
-1.13	8.2	4.5	143
-1.96	8.2	4.5	149
-2.75	8.2	4.5	148
-3.56	8.2	4.5	158
-4.24	8.2	4.6	177
-4.77	8.2	4.8	211
-5.43	8.2	5.1	180
-6.29	8.2	5.2	193
-7.09	8.2	5.2	192
-7.76	8.3	5.1	189
-8.53	8.3	5.2	188
-9.44	8.2	5.3	196
-10.37	8.2	5.3	189
-11.29	8.2	5.3	180
-12.05	8.2	5.4	184
-12.97	8.3	5.4	177
-14.00	8.2	5.4	176
-15.06	8.2	5.5	199
-15.92	8.2	6.8	275
-16.02	8.2	6.9	250
Depth Avg	**8.2**	**5.1**	**179**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:24
Time after/before HT [MET]:	-3:55
Coordinates [UTM-ED50] Easting:	588789
Coordinates [UTM-ED50] Northing:	5684599
Water-Bottom Interface Siltpr. [m TAW]:	-16.17
Waterdepth 210 kHz Echo [m TAW]:	-15.72
Waterdepth 33 kHz Echo [m TAW]:	-15.58
Surface Elevation [m TAW]:	1.94

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.65	8.0	5.1	120
0.55	8.2	5.1	109
-0.11	8.2	5.1	110
-1.05	8.2	5.1	113
-1.79	8.2	5.1	113
-2.67	8.2	5.1	110
-3.47	8.2	5.1	110
-4.45	8.2	5.2	126
-5.53	8.2	5.3	197
-6.53	8.2	5.4	203
-7.45	8.3	5.5	206
-8.33	8.3	5.5	202
-9.24	8.2	5.6	208
-10.17	8.2	5.7	248
-11.16	8.3	5.7	326
-12.08	8.3	5.8	476
-13.04	8.3	5.9	477
-13.95	8.3	6.0	452
-14.99	8.3	6.1	405
-16.01	8.2	6.3	669
-16.07	8.3	6.3	424
-16.13	8.2	6.3	439
-16.17	8.2	6.3	462
Depth Avg	**8.2**	**5.5**	**237**



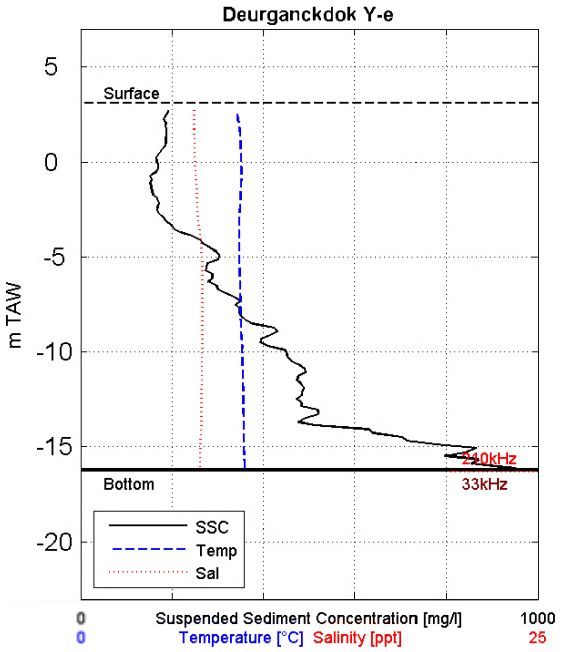
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

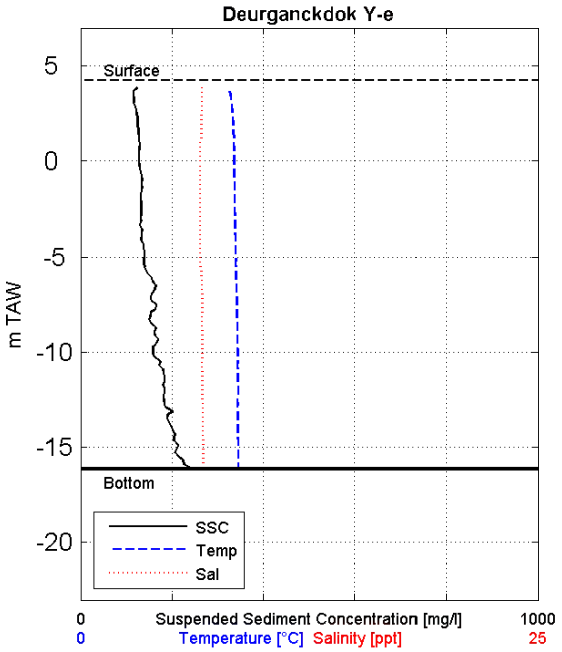
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4098Ye_ctd.sil 4113Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 15:45
Time after/before HT [MET]:	-2:34
Coordinates [UTM-ED50] Easting:	588803
Coordinates [UTM-ED50] Northing:	5684584
Water-Bottom Interface Siltpr. [m TAW]:	-16.25
Waterdepth 210 kHz Echo [m TAW]:	-16.33
Waterdepth 33 kHz Echo [m TAW]:	-16.29
Surface Elevation [m TAW]:	3.10

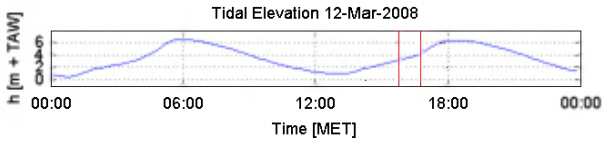
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.79	8.5	6.2	191
2.00	8.7	6.2	190
1.08	8.7	6.2	189
0.07	8.8	6.2	169
-1.01	8.8	6.3	152
-1.96	8.7	6.4	170
-2.87	8.7	6.4	180
-3.79	8.7	6.5	226
-4.75	8.6	6.6	301
-5.70	8.8	6.7	271
-6.72	8.7	6.7	306
-7.65	8.7	6.7	351
-8.60	8.8	6.7	408
-9.55	8.8	6.6	400
-10.48	8.9	6.6	458
-11.38	8.9	6.6	460
-12.31	8.9	6.6	485
-13.36	8.9	6.6	428
-14.38	8.9	6.6	566
-15.42	9.0	6.5	827
-16.15	8.9	6.5	961
-16.22	9.0	6.5	966
-16.25	9.0	6.5	949
Depth Avg	**8.8**	**6.5**	**360**



Siltprofiler

Date & Time [MET]:	12/3/2008 16:45
Time after/before HT [MET]:	-1:34
Coordinates [UTM-ED50] Easting:	588807
Coordinates [UTM-ED50] Northing:	5684592
Water-Bottom Interface Siltpr. [m TAW]:	-16.17
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.26

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.97	8.2	6.6	137
3.02	8.3	6.6	115
2.02	8.4	6.6	124
1.09	8.4	6.6	128
0.11	8.4	6.6	129
-0.88	8.4	6.6	134
-1.97	8.4	6.5	130
-2.92	8.4	6.6	130
-3.85	8.5	6.6	133
-4.74	8.4	6.6	136
-5.70	8.5	6.6	142
-6.65	8.5	6.6	164
-7.63	8.6	6.7	173
-8.56	8.6	6.6	152
-9.47	8.6	6.7	168
-10.40	8.6	6.6	170
-11.30	8.6	6.7	184
-12.38	8.6	6.7	182
-13.53	8.6	6.7	190
-14.59	8.6	6.7	199
-15.66	8.7	6.7	221
-16.10	8.7	6.7	242
-16.17	8.6	6.7	242
Depth Avg	**8.5**	**6.6**	**154**



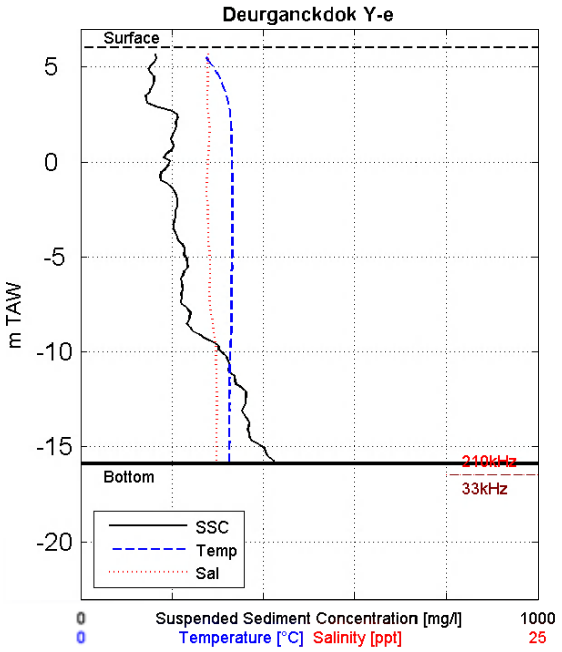
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

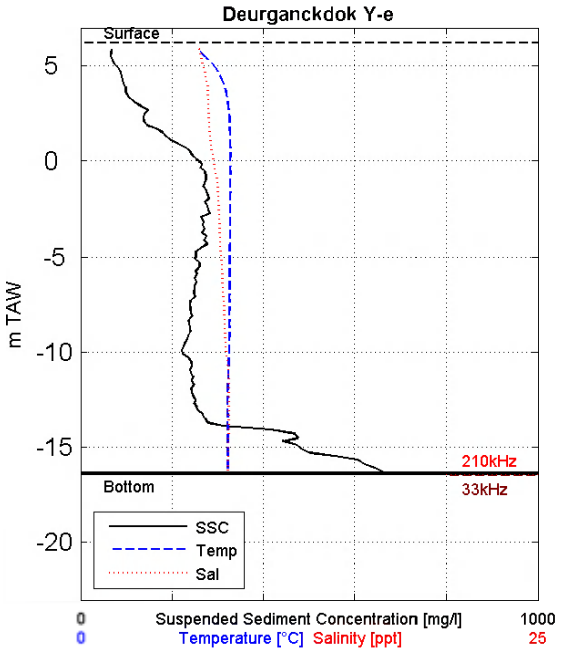
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4128Ye_ctd.sil 4144Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 17:40
Time after/before HT [MET]:	-0:39
Coordinates [UTM-ED50] Easting:	588807
Coordinates [UTM-ED50] Northing:	5684592
Water-Bottom Interface Siltpr. [m TAW]:	-15.90
Waterdepth 210 kHz Echo [m TAW]:	-16.48
Waterdepth 33 kHz Echo [m TAW]:	-16.50
Surface Elevation [m TAW]:	6.03

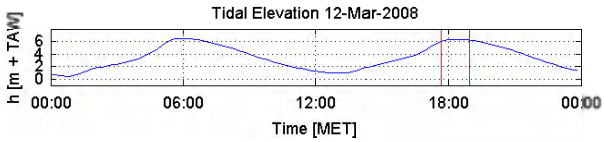
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.74	6.7	7.0	166
4.53	7.6	6.9	163
3.32	8.0	6.9	143
2.23	8.2	7.0	211
1.21	8.3	7.0	198
-0.08	8.3	6.9	194
-1.37	8.3	6.9	200
-2.46	8.3	7.0	206
-3.52	8.3	7.0	208
-4.72	8.3	7.0	224
-5.80	8.3	7.1	221
-6.82	8.3	7.0	224
-7.90	8.3	7.1	242
-8.96	8.2	7.3	242
-10.03	8.2	7.4	302
-10.98	8.1	7.4	313
-11.89	8.2	7.4	350
-12.97	8.1	7.4	358
-13.99	8.1	7.4	363
-15.01	8.2	7.4	392
-15.76	8.1	7.4	414
-15.82	8.1	7.4	422
-15.90	8.2	7.4	439
Depth Avg	**8.1**	**7.1**	**246**



Siltprofiler

Date & Time [MET]:	12/3/2008 18:56
Time after/before HT [MET]:	0:36
Coordinates [UTM-ED50] Easting:	588812
Coordinates [UTM-ED50] Northing:	5684610
Water-Bottom Interface Siltpr. [m TAW]:	-16.38
Waterdepth 210 kHz Echo [m TAW]:	-16.44
Waterdepth 33 kHz Echo [m TAW]:	-16.50
Surface Elevation [m TAW]:	6.23

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.95	6.3	6.2	68
4.99	7.2	6.7	75
4.08	7.8	6.9	92
3.12	8.0	7.0	119
1.96	8.2	7.0	142
0.77	8.3	7.1	221
-0.45	8.2	7.4	265
-1.58	8.2	7.5	278
-2.68	8.1	7.5	294
-3.85	8.2	7.6	272
-5.03	8.1	7.7	246
-6.02	8.2	7.7	250
-7.08	8.1	7.8	254
-8.18	8.1	7.9	242
-9.38	8.1	7.9	234
-10.52	8.1	8.0	238
-11.47	8.1	8.1	234
-12.46	8.0	8.1	254
-13.44	8.0	8.1	265
-14.50	8.0	8.1	473
-15.41	8.1	8.1	538
-16.37	8.1	8.0	676
-16.38	8.1	8.0	695
Depth Avg	**8.0**	**7.6**	**249**



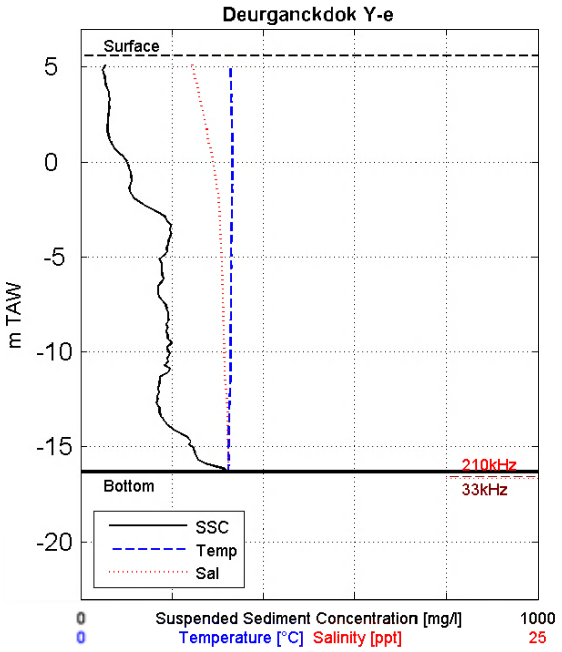
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

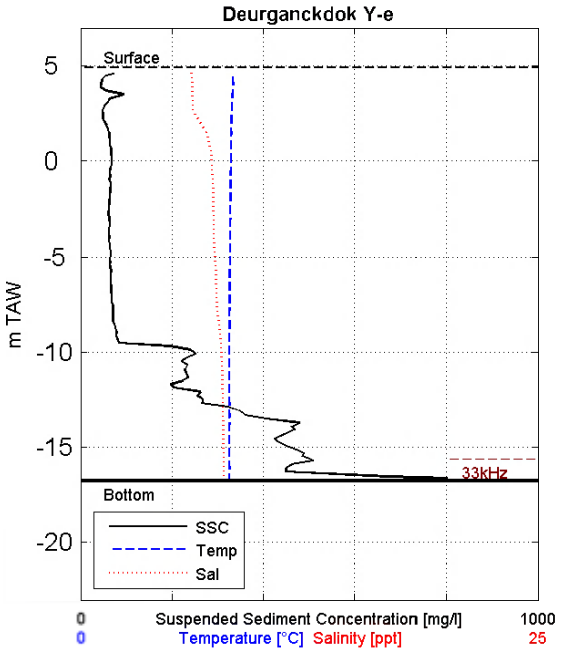
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4159Ye_ctd.sil 4174Ye_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 19:48
Time after/before HT [MET]:	1:28
Coordinates [UTM-ED50] Easting:	588808
Coordinates [UTM-ED50] Northing:	5684611
Water-Bottom Interface Siltpr. [m TAW]:	-16.36
Waterdepth 210 kHz Echo [m TAW]:	-16.66
Waterdepth 33 kHz Echo [m TAW]:	-16.56
Surface Elevation [m TAW]:	5.59

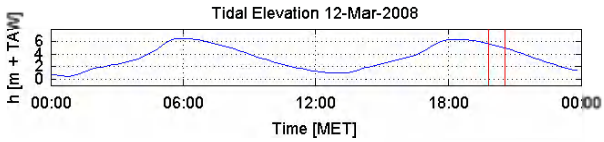
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.19	8.2	6.1	79
4.78	8.2	6.2	49
4.20	8.3	6.3	53
3.18	8.3	6.5	60
1.98	8.3	6.8	60
0.62	8.3	7.1	77
-0.87	8.3	7.4	112
-2.32	8.3	7.6	141
-3.68	8.3	7.6	198
-4.85	8.2	7.7	189
-5.89	8.3	7.8	184
-6.99	8.2	7.8	173
-8.14	8.2	7.8	199
-9.27	8.2	7.8	181
-10.36	8.2	7.8	193
-11.47	8.2	7.9	169
-12.85	8.1	8.0	173
-14.05	8.1	8.1	198
-15.16	8.1	8.1	250
-16.13	8.0	8.1	311
-16.21	8.1	8.1	320
-16.27	8.1	8.1	323
-16.36	8.1	8.1	302
Depth Avg	**8.2**	**7.5**	**151**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:32
Time after/before HT [MET]:	2:12
Coordinates [UTM-ED50] Easting:	588809
Coordinates [UTM-ED50] Northing:	5684611
Water-Bottom Interface Siltpr. [m TAW]:	-16.78
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	-15.64
Surface Elevation [m TAW]:	4.93

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.62	8.3	6.0	75
3.48	8.2	6.1	89
2.37	8.3	6.3	49
1.41	8.2	6.9	62
0.15	8.2	7.2	64
-1.58	8.2	7.3	66
-2.89	8.2	7.3	63
-4.20	8.2	7.3	60
-5.73	8.2	7.4	66
-7.26	8.1	7.4	68
-8.64	8.1	7.6	73
-9.97	8.1	7.7	279
-11.31	8.2	7.7	242
-12.77	8.1	7.8	259
-14.14	8.1	7.8	473
-15.36	8.1	7.8	511
-16.52	8.1	7.8	450
-16.62	8.2	7.8	577
-16.64	8.1	7.8	1256
-16.66	8.1	7.8	1250
-16.68	8.1	7.8	641
-16.73	8.1	7.8	1113
-16.78	8.2	7.8	1163
Depth Avg	**8.2**	**7.3**	**159**



Data Processed by: IMDC

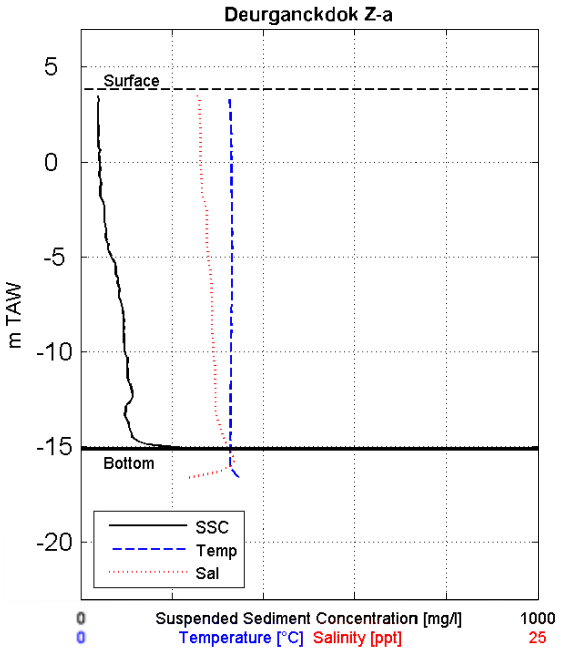
In association with :

I/RA/11283/07.091/MSA

F.11 Location Za

Through tide measurements Siltprofiler 12 March 2008

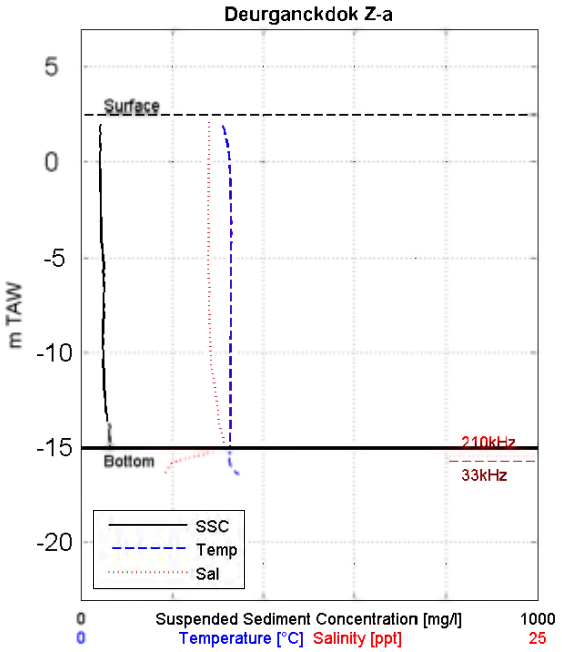
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4015Za_ctd.sil 4030Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 09:09
Time after/before HT [MET]:	3:09
Coordinates [UTM-ED50] Easting:	588655
Coordinates [UTM-ED50] Northing:	5684157
Water-Bottom Interface Siltpr. [m TAW]:	-15.16
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.78

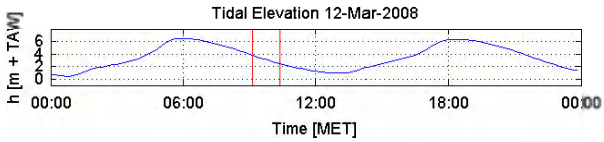
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.50	8.1	6.2	39
2.82	8.2	6.5	36
2.01	8.2	6.5	36
1.14	8.2	6.6	38
0.17	8.2	6.5	39
-0.72	8.2	6.6	43
-1.51	8.2	6.6	44
-2.24	8.3	6.8	49
-3.01	8.3	6.9	51
-4.10	8.3	6.9	59
-5.16	8.2	7.0	80
-6.04	8.3	7.1	79
-6.79	8.3	7.2	85
-7.52	8.2	7.2	90
-8.40	8.2	7.2	95
-9.39	8.3	7.2	94
-10.28	8.2	7.3	106
-11.07	8.2	7.4	104
-11.91	8.2	7.4	109
-12.85	8.2	7.4	96
-13.82	8.2	7.6	104
-14.78	8.1	8.0	131
-15.16	8.2	8.2	172
Depth Avg	**8.2**	**7.0**	**73**



Siltprofiler

Date & Time [MET]:	12/3/2008 10:22
Time after/before HT [MET]:	4:22
Coordinates [UTM-ED50] Easting:	588667
Coordinates [UTM-ED50] Northing:	5684163
Water-Bottom Interface Siltpr. [m TAW]:	-15.04
Waterdepth 210 kHz Echo [m TAW]:	-15.43
Waterdepth 33 kHz Echo [m TAW]:	-15.73
Surface Elevation [m TAW]:	2.48

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.18	7.6	7.0	45
1.65	7.9	7.0	43
0.92	8.0	7.0	41
0.26	8.1	7.0	41
-0.51	8.2	7.0	44
-1.42	8.2	7.0	40
-2.32	8.2	7.0	44
-3.10	8.3	7.0	45
-3.96	8.2	7.0	44
-4.86	8.3	7.0	48
-5.65	8.2	7.0	49
-6.48	8.2	7.0	50
-7.26	8.2	7.0	49
-8.05	8.2	7.1	50
-8.98	8.2	7.0	48
-9.90	8.2	7.1	49
-10.81	8.2	7.2	49
-11.70	8.2	7.3	54
-12.56	8.2	7.5	53
-13.28	8.2	7.5	60
-14.00	8.2	7.7	62
-14.82	8.2	7.8	63
-15.04	8.1	7.9	67
Depth Avg	**8.2**	**7.1**	**48**



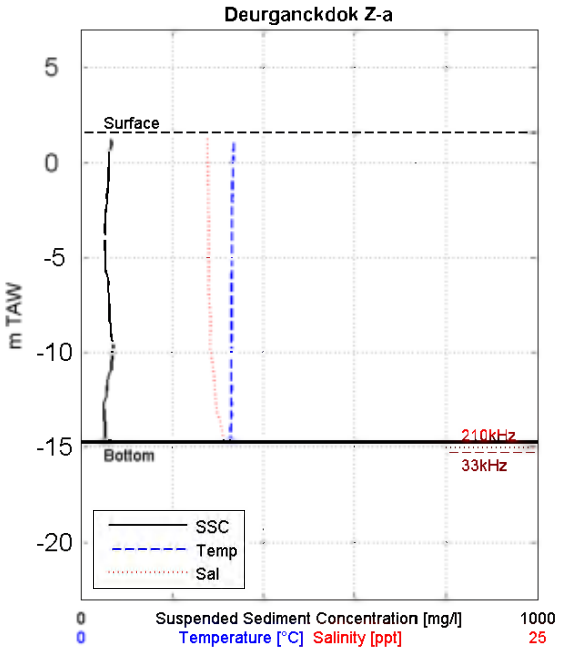
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

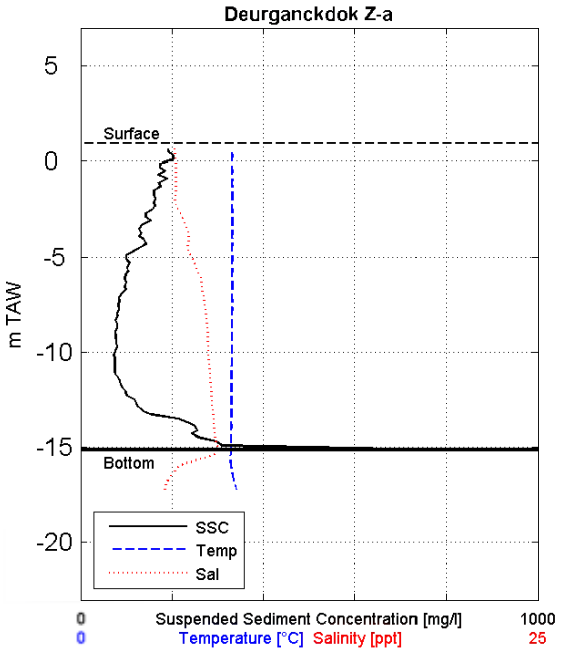
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4045Za_ctd.sil 4061Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:26
Time after/before HT [MET]:	5:26
Coordinates [UTM-ED50] Easting:	588689
Coordinates [UTM-ED50] Northing:	5684180
Water-Bottom Interface Siltpr. [m TAW]:	-14.75
Waterdepth 210 kHz Echo [m TAW]:	-15.06
Waterdepth 33 kHz Echo [m TAW]:	-15.28
Surface Elevation [m TAW]:	1.59

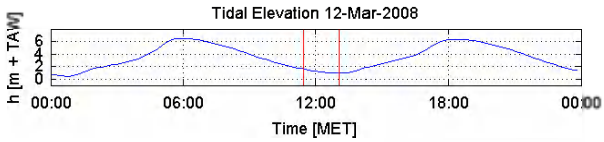
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.29	8.4	6.9	65
0.63	8.3	6.9	60
-0.09	8.3	7.0	63
-0.82	8.3	7.0	62
-1.66	8.3	6.9	58
-2.46	8.3	7.0	52
-3.17	8.3	7.0	51
-3.82	8.3	7.0	53
-4.55	8.2	7.0	52
-5.35	8.2	7.0	54
-6.20	8.3	7.0	61
-7.01	8.2	7.0	63
-7.85	8.3	7.1	63
-8.62	8.2	7.1	71
-9.41	8.2	7.0	69
-10.11	8.3	7.1	69
-10.90	8.3	7.2	66
-11.79	8.3	7.3	55
-12.57	8.2	7.4	50
-13.24	8.2	7.5	48
-13.92	8.2	7.7	52
-14.63	8.1	7.8	54
-14.75	8.2	7.9	38
Depth Avg	**8.3**	**7.1**	**59**



Siltprofiler

Date & Time [MET]:	12/3/2008 13:03
Time after/before HT [MET]:	-5:16
Coordinates [UTM-ED50] Easting:	588664
Coordinates [UTM-ED50] Northing:	5684185
Water-Bottom Interface Siltpr. [m TAW]:	-15.13
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.94

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.64	8.3	5.1	191
0.12	8.3	5.2	290
-0.49	8.3	5.2	168
-1.22	8.3	5.2	207
-1.98	8.3	5.2	158
-2.83	8.3	5.5	130
-3.61	8.3	5.9	131
-4.27	8.3	5.9	144
-4.90	8.3	6.0	93
-5.62	8.3	6.4	104
-6.50	8.3	6.6	95
-7.26	8.3	6.7	89
-8.11	8.3	6.9	78
-8.94	8.2	6.9	76
-9.71	8.2	7.0	77
-10.39	8.2	7.0	90
-11.20	8.3	7.1	84
-11.98	8.3	7.1	97
-12.79	8.3	7.2	126
-13.56	8.3	7.3	202
-14.20	8.1	7.3	241
-14.90	8.2	7.5	309
-15.13	8.2	7.5	9975
Depth Avg	**8.3**	**6.4**	**141**



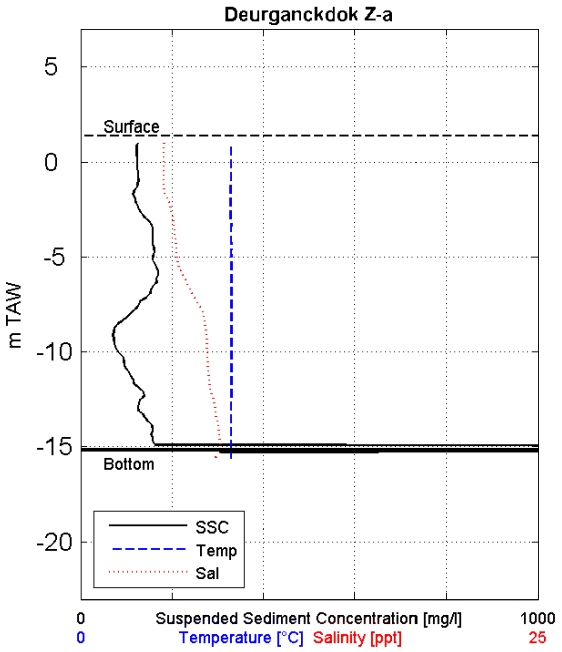
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

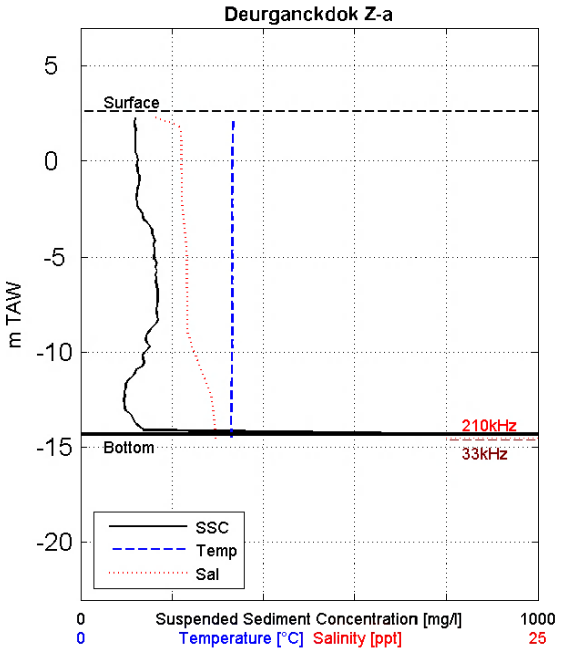
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4076Za_ctd.sil 4091Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:55
Time after/before HT [MET]:	-4:24
Coordinates [UTM-ED50] Easting:	588666
Coordinates [UTM-ED50] Northing:	5684151
Water-Bottom Interface Siltpr. [m TAW]:	-15.20
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.39

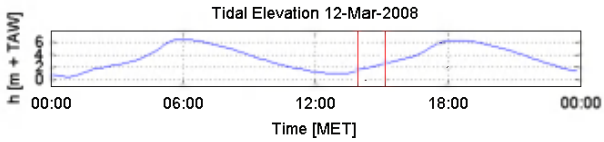
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.08	8.2	4.5	124
0.36	8.2	4.5	123
-0.46	8.2	4.5	124
-1.03	8.2	4.5	126
-1.78	8.2	4.7	116
-2.49	8.2	4.9	128
-3.15	8.2	5.1	152
-3.87	8.2	5.2	156
-4.52	8.2	5.2	164
-5.22	8.3	5.3	158
-5.94	8.3	5.6	170
-6.86	8.2	6.0	152
-7.77	8.3	6.6	117
-8.66	8.3	6.8	76
-9.50	8.3	6.9	74
-10.32	8.3	6.9	94
-11.20	8.3	7.0	107
-11.99	8.3	7.1	132
-12.76	8.3	7.3	124
-13.48	8.2	7.4	140
-14.26	8.2	7.6	156
-14.96	8.2	7.7	166
-15.20	8.2	7.7	27231
Depth Avg	**8.2**	**6.0**	**222**



Siltprofiler

Date & Time [MET]:	12/3/2008 15:09
Time after/before HT [MET]:	-3:10
Coordinates [UTM-ED50] Easting:	588699
Coordinates [UTM-ED50] Northing:	5684193
Water-Bottom Interface Siltpr. [m TAW]:	-14.32
Waterdepth 210 kHz Echo [m TAW]:	-14.55
Waterdepth 33 kHz Echo [m TAW]:	-14.63
Surface Elevation [m TAW]:	2.61

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.33	8.3	4.0	121
1.61	8.4	5.5	125
0.94	8.3	5.5	119
0.27	8.3	5.5	129
-0.41	8.3	5.5	124
-1.06	8.3	5.5	128
-2.03	8.3	5.5	123
-2.91	8.3	5.6	132
-3.77	8.3	5.7	154
-4.68	8.3	5.8	160
-5.49	8.3	5.8	165
-6.25	8.3	5.8	163
-7.00	8.3	5.8	172
-7.71	8.3	5.8	170
-8.53	8.3	5.8	164
-9.37	8.3	6.0	142
-10.18	8.3	6.3	134
-10.85	8.3	6.6	123
-11.61	8.3	6.9	97
-12.30	8.2	7.1	98
-13.05	8.2	7.3	98
-14.03	8.2	7.3	132
-14.32	8.2	7.3	657
Depth Avg	**8.3**	**6.0**	**139**



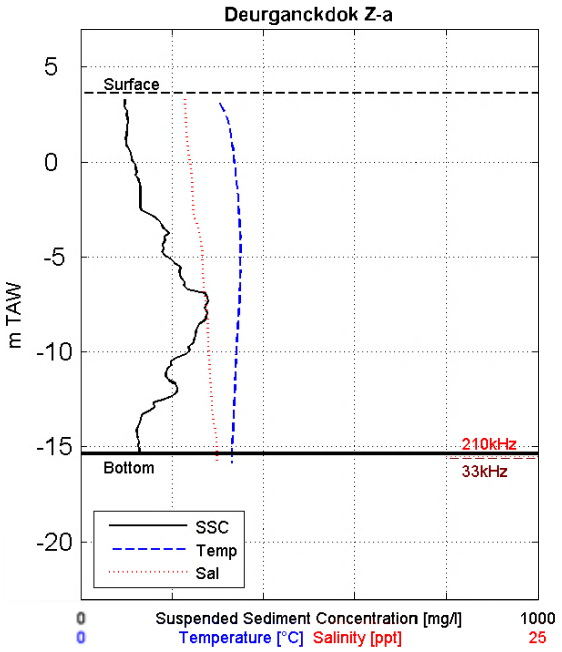
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

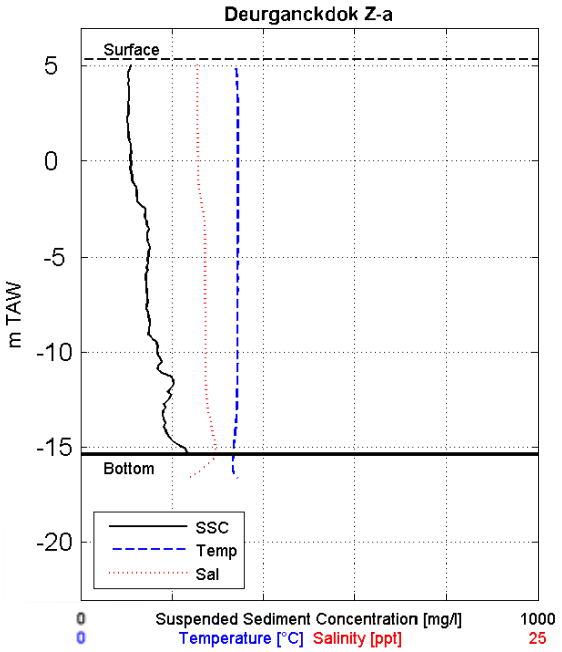
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4107Za_ctd.sil 4122Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 16:17
Time after/before HT [MET]:	-2:02
Coordinates [UTM-ED50] Easting:	588678
Coordinates [UTM-ED50] Northing:	5684179
Water-Bottom Interface Siltpr. [m TAW]:	-15.38
Waterdepth 210 kHz Echo [m TAW]:	-15.55
Waterdepth 33 kHz Echo [m TAW]:	-15.60
Surface Elevation [m TAW]:	3.61

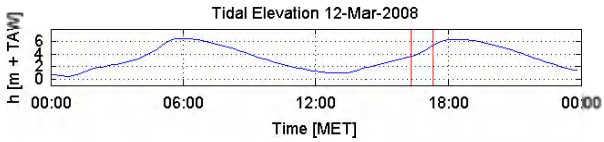
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.33	7.4	5.7	98
2.73	7.8	5.7	101
1.92	8.1	5.8	101
1.08	8.3	5.8	98
0.23	8.4	5.9	110
-0.83	8.5	6.1	127
-1.78	8.6	6.1	132
-2.58	8.7	6.2	136
-3.37	8.7	6.4	179
-4.26	8.8	6.6	173
-5.25	8.7	6.7	201
-6.27	8.7	6.7	229
-7.23	8.7	6.8	278
-8.04	8.6	6.9	279
-8.83	8.5	7.0	256
-9.63	8.5	7.0	234
-10.46	8.5	7.0	201
-11.43	8.5	7.1	193
-12.53	8.4	7.2	182
-13.45	8.4	7.2	134
-14.38	8.3	7.4	121
-15.21	8.2	7.5	126
-15.38	8.3	7.5	129
Depth Avg	**8.5**	**6.6**	**171**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:17
Time after/before HT [MET]:	-1:02
Coordinates [UTM-ED50] Easting:	588669
Coordinates [UTM-ED50] Northing:	5684168
Water-Bottom Interface Siltpr. [m TAW]:	-15.41
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.35

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.07	8.5	6.4	110
4.55	8.5	6.3	104
3.89	8.5	6.4	104
3.14	8.6	6.4	102
2.06	8.6	6.4	103
0.78	8.6	6.4	110
-0.39	8.6	6.4	108
-1.60	8.6	6.5	121
-2.65	8.6	6.7	141
-3.53	8.7	6.8	149
-4.43	8.6	6.8	151
-5.49	8.6	6.8	137
-6.65	8.6	6.8	144
-7.70	8.6	6.8	146
-8.77	8.6	6.8	149
-9.72	8.6	6.8	166
-10.63	8.6	6.8	170
-11.65	8.6	6.8	200
-12.63	8.5	6.9	181
-13.56	8.5	7.1	182
-14.47	8.5	7.3	193
-15.29	8.3	7.4	235
-15.41	8.4	7.4	231
Depth Avg	**8.6**	**6.7**	**145**



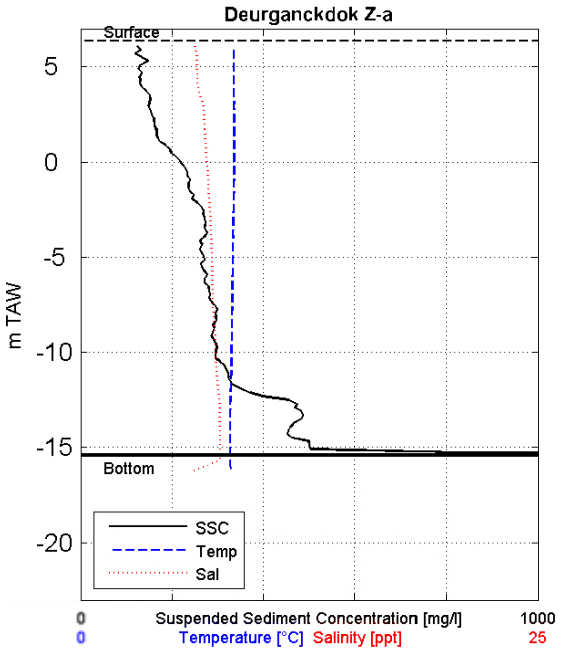
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

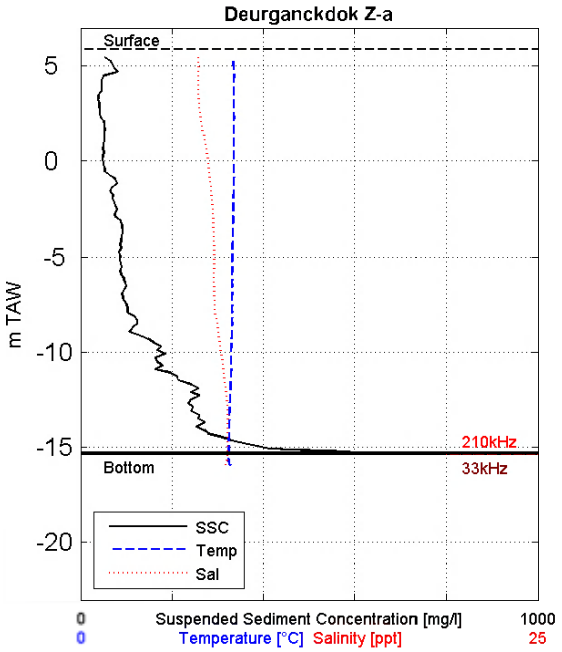
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4137Za_ctd.sil 4153Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 18:12
Time after/before HT [MET]:	-0:07
Coordinates [UTM-ED50] Easting:	588659
Coordinates [UTM-ED50] Northing:	5684185
Water-Bottom Interface Siltpr. [m TAW]:	-15.41
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	6.35

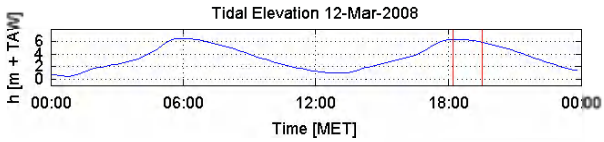
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.07	8.4	6.3	124
5.23	8.4	6.4	146
4.41	8.3	6.3	129
3.58	8.3	6.5	153
2.53	8.4	6.7	154
1.24	8.4	6.8	170
0.02	8.4	6.9	220
-1.03	8.5	7.0	234
-1.90	8.4	7.0	239
-2.87	8.4	7.1	271
-3.95	8.4	7.1	269
-5.16	8.4	7.2	267
-6.29	8.3	7.2	272
-7.20	8.3	7.2	281
-8.15	8.3	7.3	294
-9.32	8.3	7.3	290
-10.52	8.2	7.4	315
-11.49	8.2	7.5	326
-12.33	8.2	7.6	411
-13.23	8.2	7.6	482
-14.27	8.1	7.6	448
-15.30	8.1	7.6	555
-15.41	8.1	7.6	481
Depth Avg	**8.3**	**7.1**	**310**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:30
Time after/before HT [MET]:	1:10
Coordinates [UTM-ED50] Easting:	588669
Coordinates [UTM-ED50] Northing:	5684184
Water-Bottom Interface Siltpr. [m TAW]:	-15.35
Waterdepth 210 kHz Echo [m TAW]:	-15.42
Waterdepth 33 kHz Echo [m TAW]:	-15.42
Surface Elevation [m TAW]:	5.86

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.54	8.2	6.4	40
5.35	8.3	6.4	62
5.27	8.3	6.4	39
5.23	8.3	6.4	42
5.13	8.4	6.4	41
4.30	8.3	6.4	52
3.07	8.4	6.5	38
1.79	8.3	6.6	50
0.57	8.4	6.9	55
-0.47	8.4	7.0	46
-1.76	8.3	7.2	93
-2.95	8.3	7.2	69
-4.06	8.3	7.3	105
-5.12	8.3	7.3	79
-6.59	8.3	7.3	84
-7.74	8.3	7.3	91
-9.15	8.3	7.5	168
-10.48	8.2	7.8	181
-11.68	8.2	7.9	251
-12.89	8.2	8.0	267
-14.08	8.1	8.0	294
-15.11	8.1	8.0	424
-15.35	8.1	8.0	820
Depth Avg	**8.3**	**7.3**	**122**



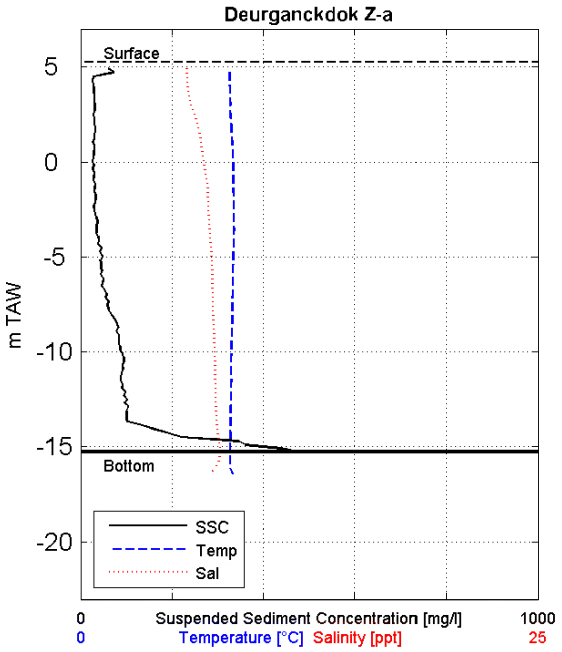
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

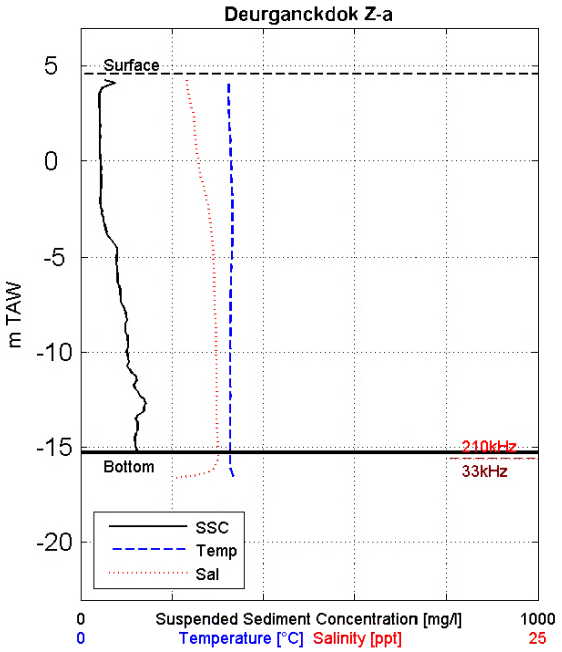
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4168Za_ctd.sil 4183Za_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 20:10
Time after/before HT [MET]:	1:50
Coordinates [UTM-ED50] Easting:	588656
Coordinates [UTM-ED50] Northing:	5684184
Water-Bottom Interface Siltpr. [m TAW]:	-15.29
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.25

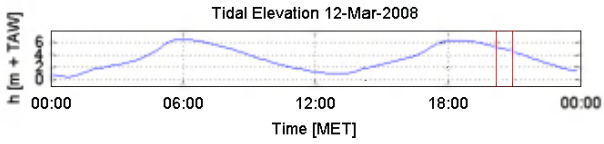
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.96	8.0	5.8	323
4.85	8.1	5.8	32
4.32	8.2	5.8	26
3.46	8.2	5.9	30
2.64	8.2	6.2	26
1.73	8.2	6.5	34
0.33	8.3	6.7	21
-0.70	8.3	6.8	32
-2.03	8.4	7.0	34
-3.18	8.4	7.0	27
-4.34	8.4	7.1	28
-5.50	8.3	7.2	42
-6.54	8.3	7.2	42
-7.70	8.4	7.2	65
-8.61	8.2	7.3	82
-9.58	8.3	7.3	83
-10.61	8.2	7.3	82
-11.49	8.3	7.4	81
-12.42	8.2	7.4	118
-13.34	8.2	7.4	112
-14.13	8.2	7.5	158
-15.06	8.1	7.6	415
-15.29	8.1	7.6	493
Depth Avg	**8.3**	**7.0**	**69**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:54
Time after/before HT [MET]:	2:34
Coordinates [UTM-ED50] Easting:	588676
Coordinates [UTM-ED50] Northing:	5684194
Water-Bottom Interface Siltpr. [m TAW]:	-15.31
Waterdepth 210 kHz Echo [m TAW]:	-15.65
Waterdepth 33 kHz Echo [m TAW]:	-15.57
Surface Elevation [m TAW]:	4.55

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.27	8.1	5.8	46
4.12	8.1	5.8	75
3.48	8.1	5.9	40
2.84	8.1	6.1	40
2.02	8.2	6.2	41
1.24	8.2	6.3	42
0.36	8.2	6.4	43
-0.62	8.2	6.5	44
-1.64	8.3	6.8	40
-2.76	8.3	7.0	45
-3.87	8.3	7.2	57
-4.91	8.3	7.3	77
-5.99	8.2	7.3	80
-7.08	8.2	7.3	86
-8.27	8.2	7.4	102
-9.40	8.2	7.4	103
-10.35	8.2	7.4	107
-11.38	8.2	7.4	121
-12.42	8.2	7.4	137
-13.30	8.2	7.4	128
-14.25	8.2	7.5	115
-15.15	8.2	7.5	124
-15.31	8.2	7.5	2197
Depth Avg	**8.2**	**7.0**	**79**



Data Processed by: IMDC

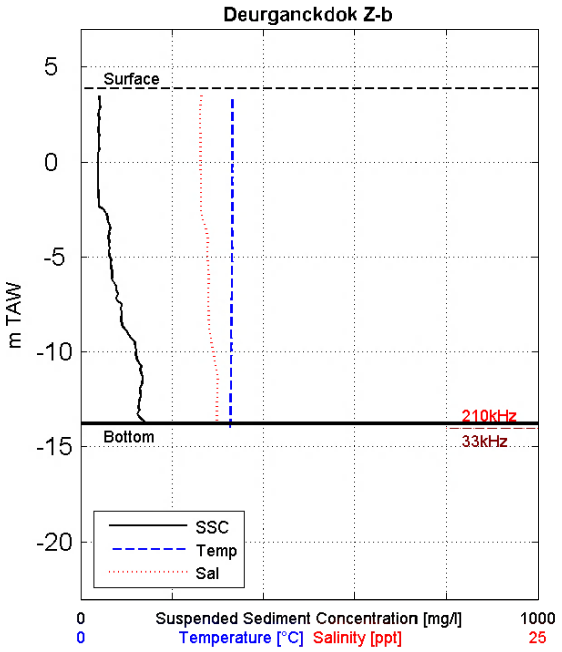
In association with :

I/RA/11283/07.091/MSA

F.12 Location Zb

Through tide measurements Siltprofiler 12 March 2008

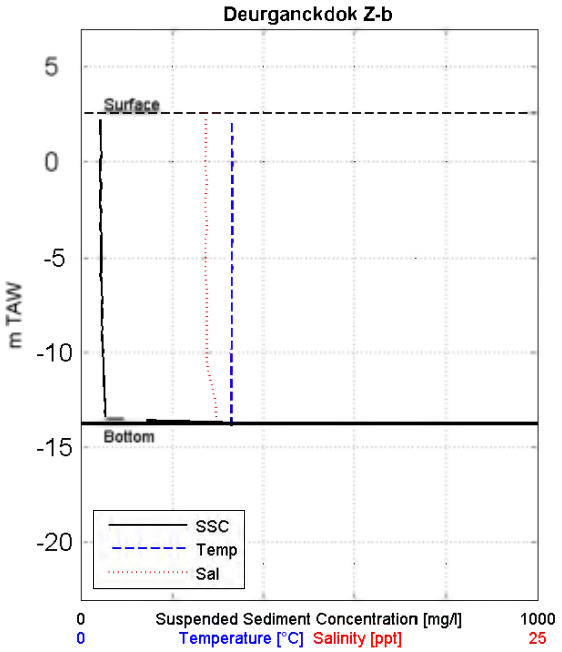
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4014Zb_ctd.sil 4029Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 09:05
Time after/before HT [MET]:	3:05
Coordinates [UTM-ED50] Easting:	588717
Coordinates [UTM-ED50] Northing:	5684237
Water-Bottom Interface Siltpr. [m TAW]:	-13.79
Waterdepth 210 kHz Echo [m TAW]:	-14.05
Waterdepth 33 kHz Echo [m TAW]:	-14.01
Surface Elevation [m TAW]:	3.86

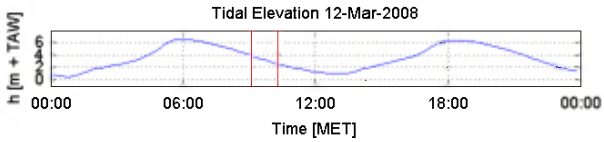
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.57	8.3	6.6	43
2.93	8.3	6.5	48
2.18	8.3	6.5	41
1.29	8.2	6.5	41
0.46	8.3	6.5	39
-0.33	8.2	6.5	37
-1.10	8.3	6.6	31
-1.93	8.3	6.6	37
-2.78	8.3	6.7	59
-3.56	8.3	6.9	62
-4.48	8.3	6.9	63
-5.31	8.3	7.0	69
-6.09	8.2	7.0	71
-6.77	8.2	7.0	82
-7.52	8.2	7.0	92
-8.39	8.3	7.0	88
-9.29	8.3	7.1	109
-10.16	8.2	7.3	122
-10.91	8.2	7.4	126
-11.70	8.2	7.5	132
-12.57	8.2	7.5	129
-13.50	8.2	7.5	136
-13.79	8.3	7.4	141
Depth Avg	**8.3**	**6.9**	**75**



Siltprofiler

Date & Time [MET]:	12/3/2008 10:17
Time after/before HT [MET]:	4:17
Coordinates [UTM-ED50] Easting:	588717
Coordinates [UTM-ED50] Northing:	5684236
Water-Bottom Interface Siltpr. [m TAW]:	-13.74
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.56

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.27	8.2	6.8	40
1.72	8.2	6.9	41
1.20	8.3	6.9	43
0.53	8.3	6.8	44
-0.18	8.3	6.8	41
-0.86	8.3	6.9	40
-1.65	8.3	6.8	43
-2.34	8.3	6.8	40
-3.19	8.3	6.9	39
-4.00	8.3	6.8	47
-4.89	8.3	6.8	48
-5.67	8.3	6.8	47
-6.51	8.3	6.9	45
-7.26	8.3	6.9	47
-8.04	8.3	6.9	47
-8.87	8.3	6.9	45
-9.62	8.2	6.9	45
-10.41	8.2	6.9	51
-11.20	8.3	7.0	49
-11.92	8.2	7.2	52
-12.61	8.3	7.4	53
-13.46	8.3	7.4	55
-13.74	8.3	7.5	9410
Depth Avg	**8.3**	**6.9**	**54**



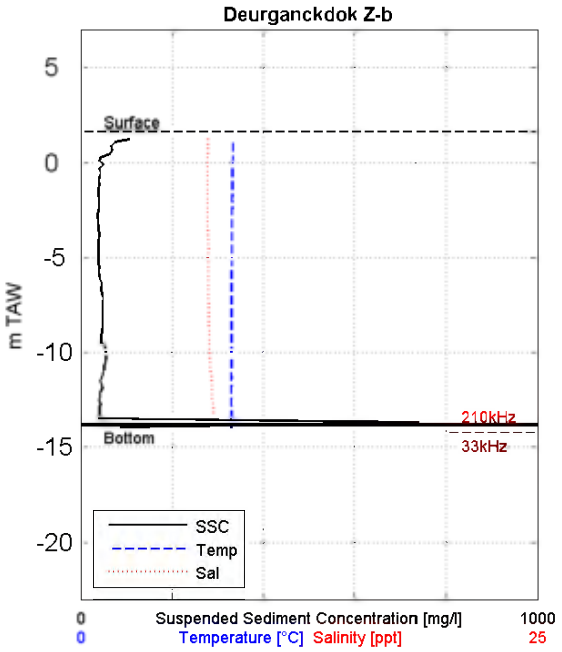
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

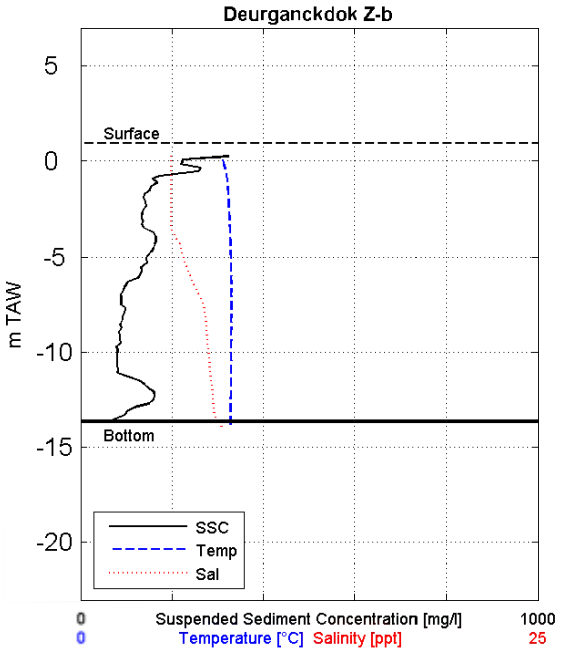
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4044Zb_ctd.sil 4060Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:24
Time after/before HT [MET]:	5:24
Coordinates [UTM-ED50] Easting:	588735
Coordinates [UTM-ED50] Northing:	5684240
Water-Bottom Interface Siltpr. [m TAW]:	-13.83
Waterdepth 210 kHz Echo [m TAW]:	-14.11
Waterdepth 33 kHz Echo [m TAW]:	-14.23
Surface Elevation [m TAW]:	1.62

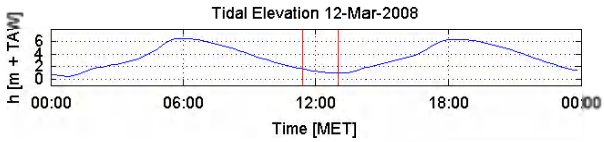
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.31	8.4	7.0	123
0.80	8.3	7.0	41
0.14	8.3	6.9	40
-0.58	8.3	6.9	40
-1.24	8.3	6.9	40
-1.99	8.3	6.9	36
-2.70	8.2	6.9	36
-3.47	8.3	6.9	40
-4.21	8.3	7.0	42
-4.92	8.3	7.0	39
-5.58	8.3	7.0	46
-6.36	8.3	7.0	40
-7.17	8.3	7.0	54
-7.99	8.3	7.0	47
-8.72	8.2	7.0	47
-9.53	8.2	7.0	44
-10.25	8.2	7.0	56
-10.87	8.3	7.1	51
-11.59	8.2	7.2	39
-12.33	8.2	7.2	44
-13.01	8.2	7.3	49
-13.72	8.3	7.3	38
-13.83	8.2	7.3	1690
Depth Avg	**8.3**	**7.0**	**56**



Siltprofiler

Date & Time [MET]:	12/3/2008 13:01
Time after/before HT [MET]:	-5:18
Coordinates [UTM-ED50] Easting:	588715
Coordinates [UTM-ED50] Northing:	5684259
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.93

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.35	7.7	4.9	353
-0.25	7.9	4.9	215
-0.88	8.0	4.9	147
-1.69	8.1	4.9	144
-2.60	8.1	4.9	123
-3.34	8.1	4.9	139
-3.98	8.2	5.2	173
-4.59	8.2	5.5	151
-5.18	8.2	5.7	142
-5.88	8.3	6.0	131
-6.64	8.2	6.3	103
-7.33	8.2	6.6	93
-7.93	8.2	6.8	92
-8.54	8.2	6.9	87
-9.18	8.2	6.9	78
-9.83	8.2	7.0	77
-10.43	8.2	7.0	75
-11.10	8.2	7.1	79
-11.73	8.2	7.2	154
-12.40	8.2	7.2	139
-13.05	8.2	7.3	103
-13.64	8.2	7.5	73
-13.66	8.2	7.5	1564
Depth Avg	**8.1**	**6.1**	**138**



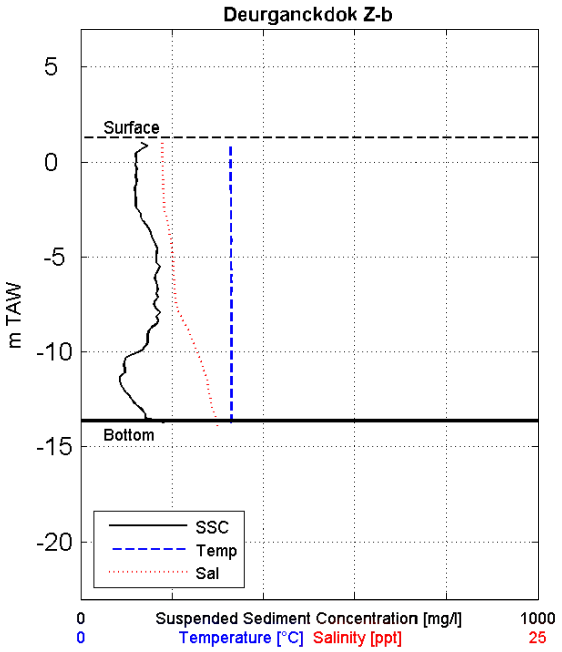
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

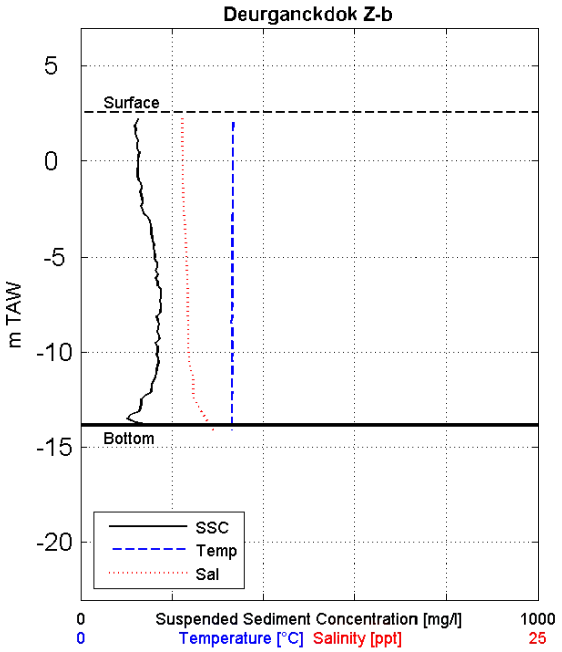
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4075Zb_ctd.sil 4090Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:52
Time after/before HT [MET]:	-4:27
Coordinates [UTM-ED50] Easting:	588721
Coordinates [UTM-ED50] Northing:	5684235
Water-Bottom Interface Siltpr. [m TAW]:	-13.67
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.32

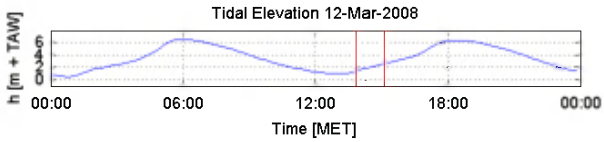
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.04	8.2	4.5	128
0.37	8.2	4.5	121
0.06	8.2	4.5	121
-0.56	8.2	4.5	120
-1.52	8.2	4.5	119
-2.22	8.2	4.5	123
-2.73	8.2	4.7	135
-3.57	8.3	4.8	150
-4.57	8.2	5.0	171
-5.24	8.2	5.0	163
-5.80	8.3	5.1	162
-6.70	8.2	5.1	170
-7.54	8.2	5.2	161
-8.06	8.3	5.5	156
-8.60	8.3	5.8	163
-9.48	8.3	6.2	145
-10.34	8.2	6.5	95
-10.87	8.3	6.7	95
-11.39	8.3	6.9	81
-12.15	8.2	7.0	102
-12.95	8.3	7.2	127
-13.59	8.2	7.4	142
-13.67	8.2	7.5	791
Depth Avg	**8.2**	**5.5**	**137**



Siltprofiler

Date & Time [MET]:	12/3/2008 15:06
Time after/before HT [MET]:	-3:13
Coordinates [UTM-ED50] Easting:	588703
Coordinates [UTM-ED50] Northing:	5684240
Water-Bottom Interface Siltpr. [m TAW]:	-13.85
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.57

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.28	8.4	5.6	128
1.89	8.3	5.5	118
1.35	8.3	5.5	121
0.67	8.3	5.6	124
-0.14	8.3	5.5	124
-0.98	8.3	5.6	126
-1.79	8.3	5.6	136
-2.49	8.3	5.6	131
-3.09	8.3	5.7	152
-3.76	8.3	5.7	154
-4.45	8.3	5.8	164
-5.18	8.3	5.8	164
-5.97	8.3	5.8	168
-6.93	8.3	5.9	173
-7.81	8.2	5.9	175
-8.68	8.3	5.9	173
-9.50	8.3	5.9	164
-10.25	8.3	5.9	168
-11.10	8.3	6.1	168
-11.92	8.3	6.2	153
-12.79	8.3	6.4	132
-13.56	8.3	6.9	100
-13.85	8.3	7.1	188
Depth Avg	**8.3**	**5.8**	**148**



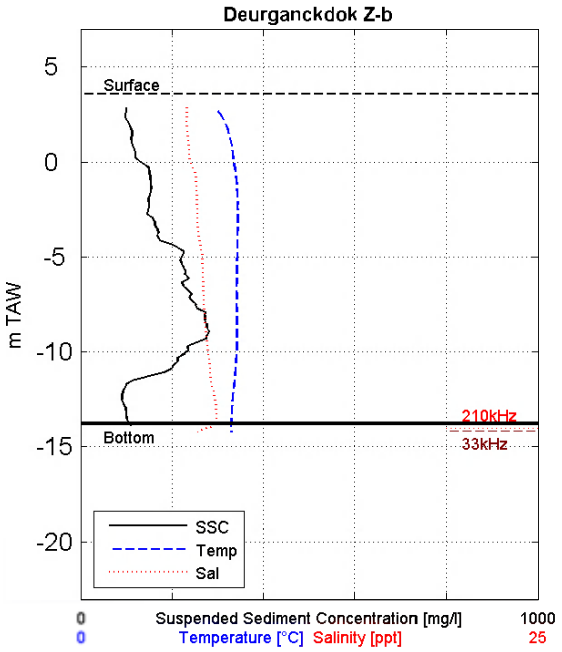
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

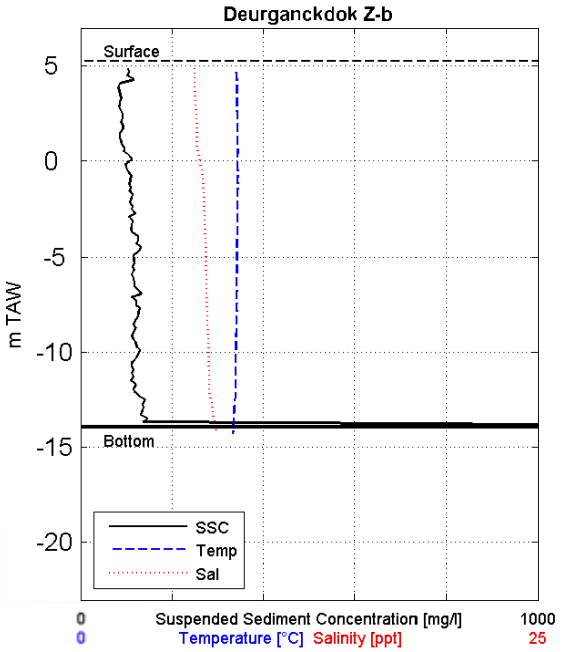
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4106Zb_ctd.sil 4121Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 16:14
Time after/before HT [MET]:	-2:05
Coordinates [UTM-ED50] Easting:	588721
Coordinates [UTM-ED50] Northing:	5684255
Water-Bottom Interface Siltpr. [m TAW]:	-13.81
Waterdepth 210 kHz Echo [m TAW]:	-14.04
Waterdepth 33 kHz Echo [m TAW]:	-14.16
Surface Elevation [m TAW]:	3.56

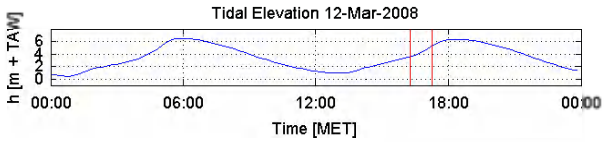
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.83	7.4	5.8	99
2.20	7.8	5.8	95
1.52	8.1	5.8	111
0.78	8.3	5.9	116
0.12	8.4	6.0	128
-0.50	8.5	6.3	149
-1.20	8.5	6.3	154
-2.08	8.6	6.3	150
-2.94	8.6	6.4	158
-3.76	8.5	6.4	173
-4.50	8.5	6.6	214
-5.35	8.6	6.7	220
-6.09	8.5	6.7	240
-6.93	8.6	6.7	243
-7.69	8.6	6.8	257
-8.57	8.6	6.8	273
-9.44	8.6	6.9	274
-10.32	8.6	7.0	214
-11.06	8.4	7.1	179
-11.80	8.4	7.2	91
-12.72	8.3	7.4	94
-13.65	8.3	7.4	101
-13.81	8.2	7.4	109
Depth Avg	**8.4**	**6.6**	**170**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:14
Time after/before HT [MET]:	-1:05
Coordinates [UTM-ED50] Easting:	588712
Coordinates [UTM-ED50] Northing:	5684258
Water-Bottom Interface Siltpr. [m TAW]:	-13.97
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.27

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.96	8.5	6.2	103
4.23	8.5	6.2	84
3.31	8.5	6.3	84
2.26	8.6	6.3	95
1.20	8.6	6.4	81
0.29	8.6	6.5	83
-0.62	8.6	6.6	110
-1.55	8.5	6.7	104
-2.48	8.6	6.8	112
-3.45	8.6	6.8	98
-4.23	8.6	6.8	102
-4.97	8.6	6.9	115
-5.94	8.6	6.9	100
-7.01	8.5	6.9	113
-7.96	8.5	6.9	126
-8.86	8.5	7.0	109
-9.64	8.5	7.0	125
-10.30	8.5	7.0	115
-11.17	8.5	7.0	132
-12.17	8.5	7.1	135
-12.95	8.4	7.2	161
-13.84	8.4	7.3	142
-13.97	8.3	7.4	169
Depth Avg	**8.5**	**6.7**	**118**



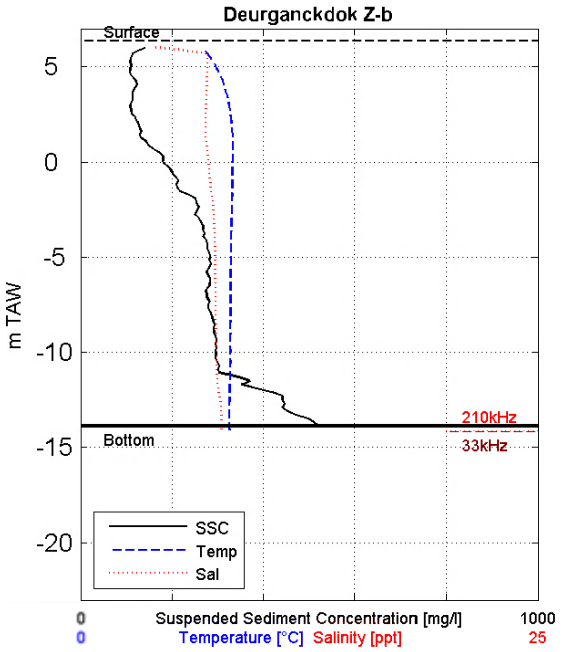
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

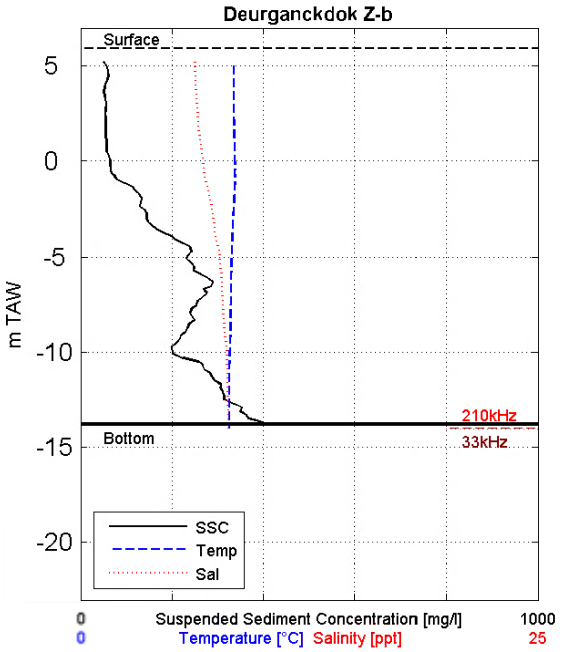
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4136Zb_ctd.sil 4152Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 18:09
Time after/before HT [MET]:	-0:10
Coordinates [UTM-ED50] Easting:	588722
Coordinates [UTM-ED50] Northing:	5684258
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	-14.11
Waterdepth 33 kHz Echo [m TAW]:	-14.18
Surface Elevation [m TAW]:	6.35

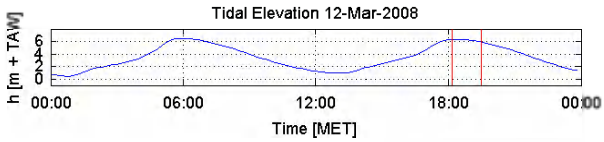
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.03	6.7	4.0	140
5.00	7.4	6.9	108
3.93	7.9	6.9	117
2.87	8.1	6.8	110
1.94	8.2	6.8	126
1.02	8.3	6.9	146
0.01	8.3	7.0	171
-1.02	8.3	7.1	210
-1.97	8.3	7.2	252
-2.92	8.2	7.3	257
-3.74	8.2	7.3	274
-4.57	8.3	7.3	274
-5.50	8.2	7.3	285
-6.51	8.2	7.4	281
-7.41	8.2	7.4	284
-8.17	8.1	7.4	294
-8.93	8.2	7.4	292
-9.80	8.2	7.4	295
-10.84	8.2	7.4	300
-11.94	8.2	7.5	398
-12.86	8.1	7.7	438
-13.77	8.1	7.7	515
-13.90	8.1	7.7	535
Depth Avg	**8.1**	**7.1**	**246**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:27
Time after/before HT [MET]:	1:07
Coordinates [UTM-ED50] Easting:	588705
Coordinates [UTM-ED50] Northing:	5684251
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	-14.04
Waterdepth 33 kHz Echo [m TAW]:	-14.02
Surface Elevation [m TAW]:	5.90

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.26	8.3	6.2	36
5.15	8.3	6.3	51
5.08	8.3	6.3	54
5.04	8.3	6.3	54
4.99	8.3	6.3	59
4.63	8.3	6.3	62
3.63	8.4	6.3	51
2.51	8.4	6.4	53
1.39	8.4	6.5	50
0.37	8.4	6.6	57
-0.91	8.4	6.8	77
-2.06	8.4	7.1	132
-3.11	8.3	7.3	145
-4.10	8.3	7.4	208
-5.24	8.3	7.6	232
-6.26	8.2	7.7	284
-7.42	8.2	7.8	261
-8.75	8.2	7.9	234
-9.98	8.1	8.0	201
-11.18	8.1	8.0	284
-12.44	8.1	8.1	315
-13.62	8.1	8.1	382
-13.82	8.1	8.1	624
Depth Avg	**8.3**	**7.3**	**175**



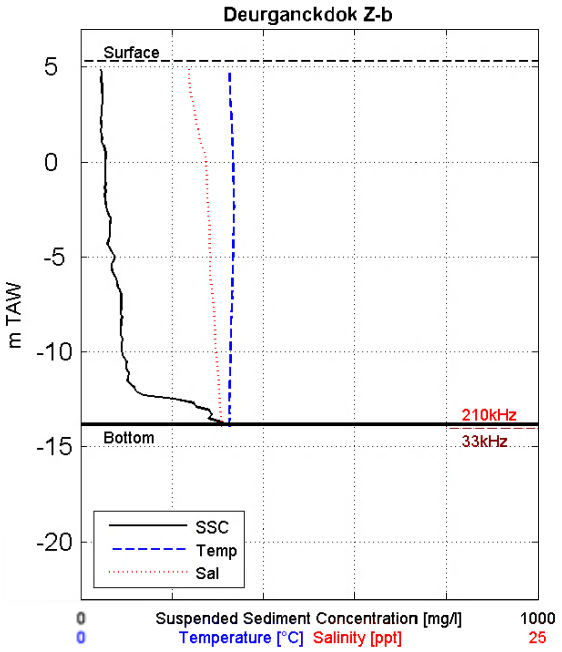
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

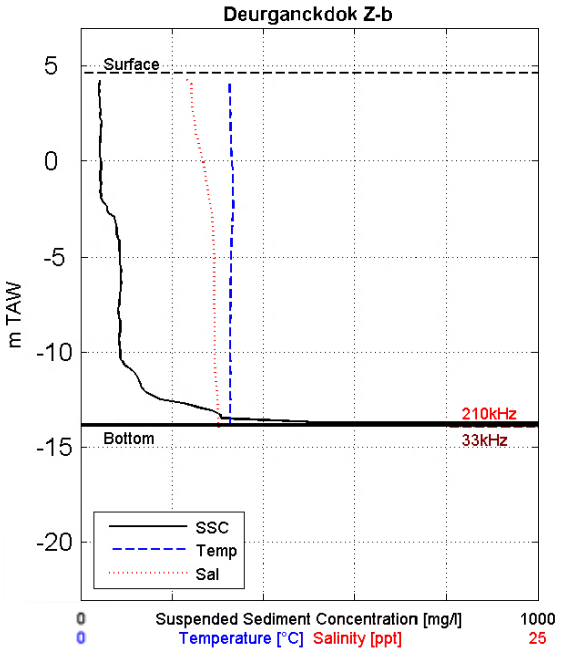
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4167Zb_ctd.sil 4182Zb_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 20:08
Time after/before HT [MET]:	1:48
Coordinates [UTM-ED50] Easting:	588717
Coordinates [UTM-ED50] Northing:	5684255
Water-Bottom Interface Siltpr. [m TAW]:	-13.82
Waterdepth 210 kHz Echo [m TAW]:	-14.03
Waterdepth 33 kHz Echo [m TAW]:	-14.02
Surface Elevation [m TAW]:	5.28

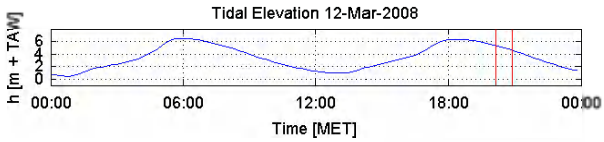
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.93	8.1	6.0	43
4.83	8.2	5.9	44
4.72	8.1	5.9	44
3.89	8.2	6.0	47
2.95	8.2	6.2	45
1.91	8.2	6.4	44
0.85	8.3	6.6	52
-0.23	8.4	6.9	51
-1.29	8.4	6.9	51
-2.26	8.4	6.9	56
-3.22	8.3	7.0	66
-4.22	8.4	7.0	58
-5.32	8.3	7.0	67
-6.29	8.4	7.1	79
-7.41	8.3	7.3	89
-8.39	8.2	7.3	86
-9.34	8.2	7.4	94
-10.31	8.2	7.4	92
-11.20	8.1	7.5	105
-12.02	8.2	7.6	118
-12.94	8.1	7.6	265
-13.77	8.1	7.7	318
-13.82	8.2	7.7	340
Depth Avg	**8.3**	**7.0**	**83**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:52
Time after/before HT [MET]:	2:32
Coordinates [UTM-ED50] Easting:	588713
Coordinates [UTM-ED50] Northing:	5684269
Water-Bottom Interface Siltpr. [m TAW]:	-13.84
Waterdepth 210 kHz Echo [m TAW]:	-13.93
Waterdepth 33 kHz Echo [m TAW]:	-13.94
Surface Elevation [m TAW]:	4.60

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.30	8.2	5.7	42
3.80	8.2	6.0	39
3.31	8.2	6.0	43
2.58	8.2	6.2	41
1.67	8.2	6.3	41
0.67	8.2	6.5	39
-0.37	8.3	6.8	44
-1.35	8.3	6.9	43
-2.37	8.4	7.1	59
-3.31	8.3	7.2	77
-4.21	8.2	7.3	85
-5.29	8.2	7.3	84
-6.30	8.2	7.3	89
-7.29	8.3	7.3	85
-8.20	8.2	7.3	84
-9.02	8.2	7.3	88
-9.85	8.2	7.3	86
-10.62	8.2	7.3	92
-11.44	8.2	7.4	127
-12.18	8.2	7.5	153
-13.00	8.2	7.5	274
-13.74	8.2	7.5	263
-13.84	8.2	7.5	22650
Depth Avg	**8.2**	**7.0**	**144**



Data Processed by: IMDC

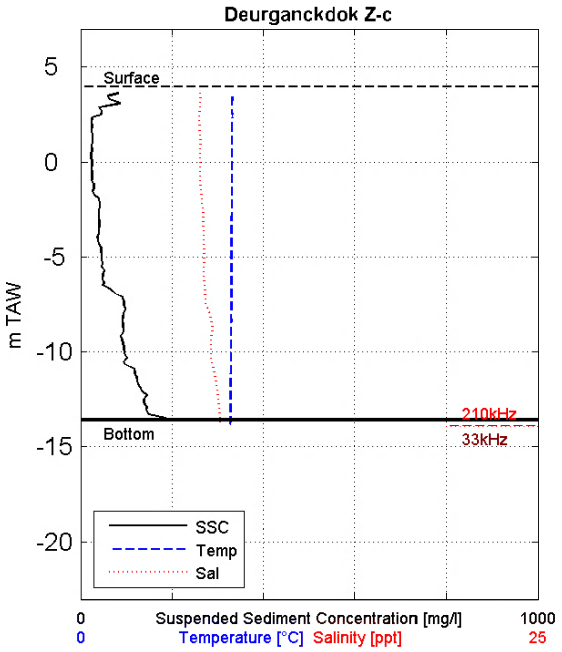
In association with :

I/RA/11283/07.091/MSA

F.13 Location Zc

Through tide measurements Siltprofiler 12 March 2008

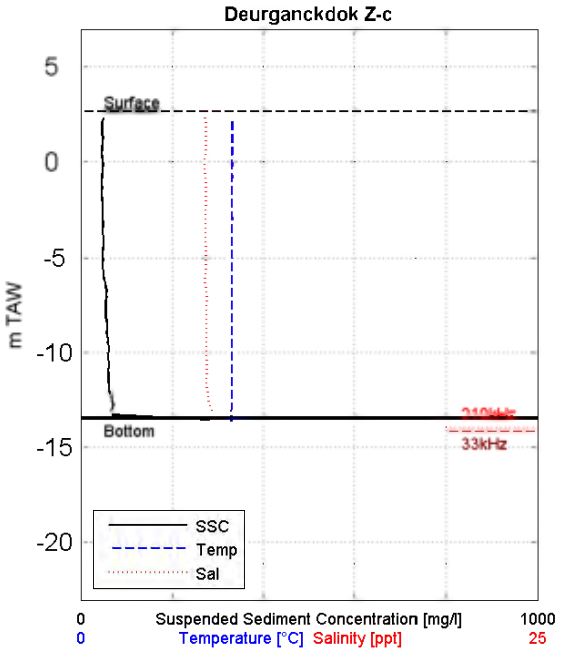
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4013Zc_ctd.sil 4028Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 09:01
Time after/before HT [MET]:	3:01
Coordinates [UTM-ED50] Easting:	588763
Coordinates [UTM-ED50] Northing:	5684323
Water-Bottom Interface Siltpr. [m TAW]:	-13.60
Waterdepth 210 kHz Echo [m TAW]:	-13.95
Waterdepth 33 kHz Echo [m TAW]:	-13.90
Surface Elevation [m TAW]:	3.93

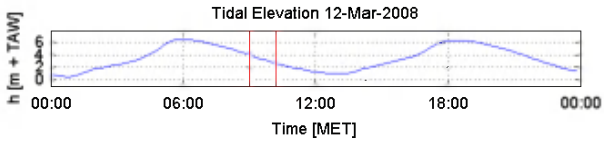
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.65	8.3	6.5	83
3.21	8.3	6.5	35
2.48	8.3	6.5	27
1.52	8.3	6.5	27
0.42	8.3	6.5	24
-0.60	8.3	6.5	23
-1.54	8.3	6.6	25
-2.28	8.3	6.7	44
-3.00	8.3	6.7	42
-3.75	8.3	6.7	39
-4.43	8.3	6.7	46
-5.16	8.3	6.8	44
-6.03	8.3	6.8	47
-6.99	8.3	6.8	89
-7.77	8.2	7.0	100
-8.45	8.3	7.2	92
-9.21	8.2	7.1	91
-10.16	8.2	7.1	106
-11.05	8.2	7.3	114
-11.86	8.2	7.4	129
-12.62	8.2	7.5	134
-13.48	8.2	7.6	163
-13.60	8.2	7.6	151
Depth Avg	**8.2**	**6.9**	**67**



Siltprofiler

Date & Time [MET]:	12/3/2008 10:12
Time after/before HT [MET]:	4:12
Coordinates [UTM-ED50] Easting:	588766
Coordinates [UTM-ED50] Northing:	5684311
Water-Bottom Interface Siltpr. [m TAW]:	-13.46
Waterdepth 210 kHz Echo [m TAW]:	-13.95
Waterdepth 33 kHz Echo [m TAW]:	-14.13
Surface Elevation [m TAW]:	2.65

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.37	8.3	6.8	52
1.79	8.3	6.9	54
1.21	8.3	6.8	48
0.58	8.3	6.8	45
-0.15	8.3	6.8	51
-0.80	8.3	6.8	47
-1.61	8.4	6.9	44
-2.34	8.3	6.8	42
-3.08	8.3	6.8	47
-3.85	8.2	6.8	48
-4.57	8.2	6.9	49
-5.35	8.3	6.8	47
-6.24	8.2	6.8	55
-7.01	8.3	6.9	55
-7.70	8.3	6.9	56
-8.50	8.2	6.9	60
-9.21	8.3	6.8	61
-9.94	8.3	6.9	60
-10.75	8.2	6.9	62
-11.62	8.2	6.9	63
-12.48	8.3	7.0	67
-13.21	8.2	7.3	65
-13.46	8.2	7.4	66
Depth Avg	**8.3**	**6.9**	**54**



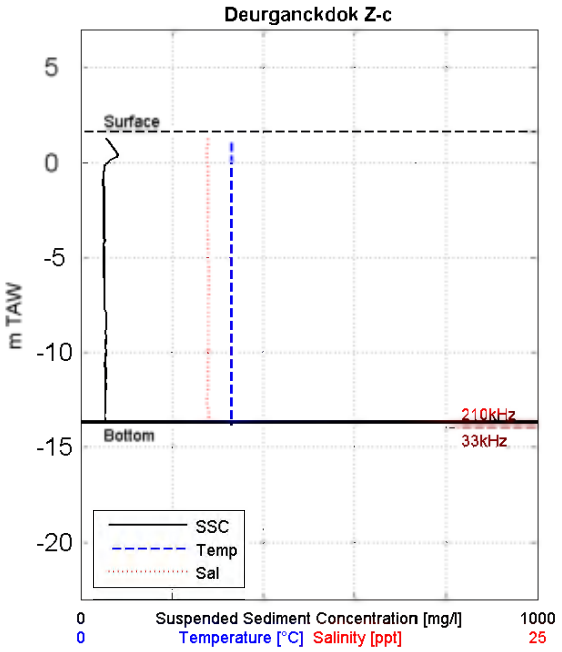
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

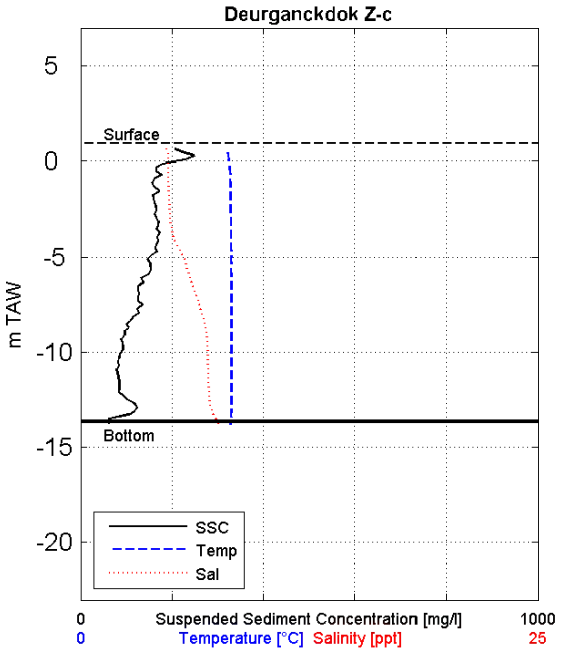
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4043Zc_ctd.sil 4059Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:21
Time after/before HT [MET]:	5:21
Coordinates [UTM-ED50] Easting:	588772
Coordinates [UTM-ED50] Northing:	5684344
Water-Bottom Interface Siltpr. [m TAW]:	-13.68
Waterdepth 210 kHz Echo [m TAW]:	-13.98
Waterdepth 33 kHz Echo [m TAW]:	-13.98
Surface Elevation [m TAW]:	1.65

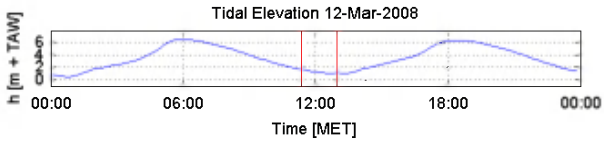
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.37	8.2	7.0	56
0.34	8.2	6.9	68
-0.29	8.2	7.0	50
-1.10	8.3	7.0	46
-1.76	8.3	6.9	51
-2.36	8.3	6.9	51
-3.04	8.3	6.9	50
-3.83	8.2	6.9	51
-4.63	8.3	7.0	52
-5.34	8.3	7.0	50
-6.11	8.3	7.0	49
-6.88	8.3	7.0	51
-7.53	8.3	7.0	52
-8.22	8.3	7.0	56
-8.95	8.3	7.0	52
-9.63	8.3	7.0	54
-10.28	8.2	7.0	55
-10.91	8.3	7.0	54
-11.55	8.2	7.0	54
-12.26	8.2	6.9	52
-12.89	8.2	7.0	50
-13.46	8.2	7.0	53
-13.68	8.2	7.0	58
Depth Avg	**8.3**	**7.0**	**54**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:59
Time after/before HT [MET]:	6:59
Coordinates [UTM-ED50] Easting:	588773
Coordinates [UTM-ED50] Northing:	5684322
Water-Bottom Interface Siltpr. [m TAW]:	-13.67
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.93

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.62	8.0	4.7	222
0.27	8.0	4.8	857
-0.13	8.1	4.8	402
-0.62	8.2	4.8	271
-1.37	8.2	4.8	165
-2.25	8.2	4.8	174
-2.91	8.2	4.9	169
-3.63	8.2	5.0	163
-4.53	8.2	5.4	157
-5.47	8.2	5.8	162
-6.39	8.3	6.1	136
-7.03	8.3	6.3	124
-7.76	8.3	6.6	127
-8.53	8.3	6.8	97
-9.27	8.2	6.9	86
-9.89	8.2	6.9	86
-10.38	8.2	7.0	84
-11.02	8.3	7.0	83
-11.70	8.3	7.0	73
-12.26	8.2	7.0	84
-12.78	8.2	7.1	124
-13.43	8.2	7.3	66
-13.67	8.2	7.5	33066
Depth Avg	**8.2**	**6.0**	**176**



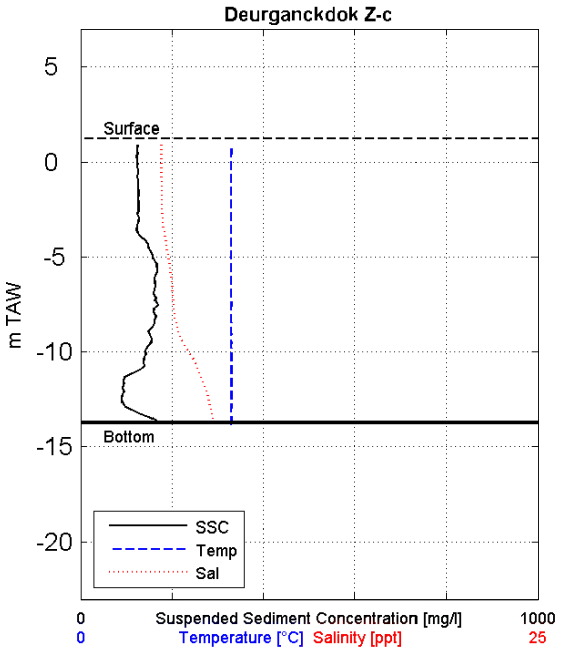
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

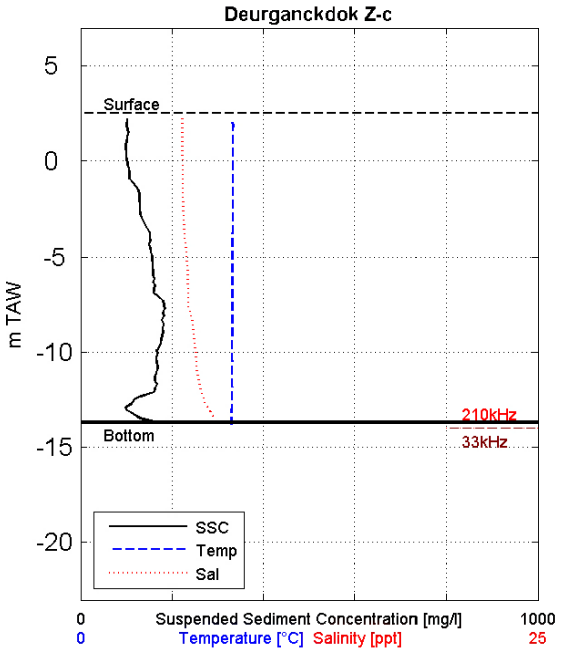
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4074Zc_ctd.sil 4089Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:49
Time after/before HT [MET]:	-4:30
Coordinates [UTM-ED50] Easting:	588775
Coordinates [UTM-ED50] Northing:	5684322
Water-Bottom Interface Siltpr. [m TAW]:	-13.75
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.27

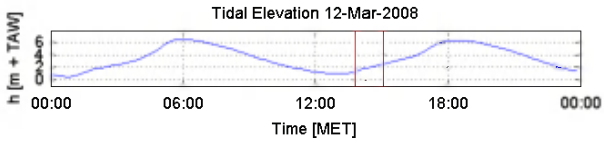
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.98	8.2	4.4	121
0.42	8.2	4.4	120
-0.22	8.2	4.4	126
-0.97	8.2	4.4	124
-1.53	8.2	4.4	129
-2.31	8.2	4.4	128
-2.93	8.2	4.5	125
-3.64	8.2	4.6	124
-4.51	8.2	4.7	147
-5.32	8.2	4.8	166
-6.00	8.2	4.9	162
-6.64	8.2	5.0	159
-7.31	8.2	5.0	159
-7.96	8.2	5.1	164
-8.68	8.2	5.3	154
-9.41	8.3	5.6	156
-10.16	8.3	6.0	142
-10.86	8.3	6.4	133
-11.49	8.2	6.7	91
-12.00	8.3	6.9	93
-12.68	8.3	7.0	91
-13.52	8.3	7.2	154
-13.75	8.3	7.3	177
Depth Avg	**8.2**	**5.3**	**136**



Siltprofiler

Date & Time [MET]:	12/3/2008 15:02
Time after/before HT [MET]:	-3:17
Coordinates [UTM-ED50] Easting:	588773
Coordinates [UTM-ED50] Northing:	5684335
Water-Bottom Interface Siltpr. [m TAW]:	-13.69
Waterdepth 210 kHz Echo [m TAW]:	-14.00
Waterdepth 33 kHz Echo [m TAW]:	-14.01
Surface Elevation [m TAW]:	2.51

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.23	8.3	5.5	101
1.52	8.3	5.5	105
0.84	8.4	5.5	98
0.13	8.3	5.5	102
-0.56	8.3	5.5	107
-1.20	8.3	5.5	117
-1.95	8.3	5.6	129
-2.80	8.3	5.6	129
-3.60	8.3	5.7	148
-4.28	8.3	5.7	146
-5.01	8.3	5.8	159
-5.90	8.3	5.8	160
-6.73	8.3	5.9	159
-7.48	8.3	5.9	180
-8.20	8.3	6.1	179
-8.98	8.3	6.2	177
-9.80	8.3	6.3	163
-10.63	8.2	6.3	163
-11.41	8.3	6.4	161
-12.06	8.3	6.6	160
-12.79	8.3	6.8	101
-13.47	8.2	7.3	136
-13.69	8.2	7.4	186
Depth Avg	**8.3**	**6.0**	**142**



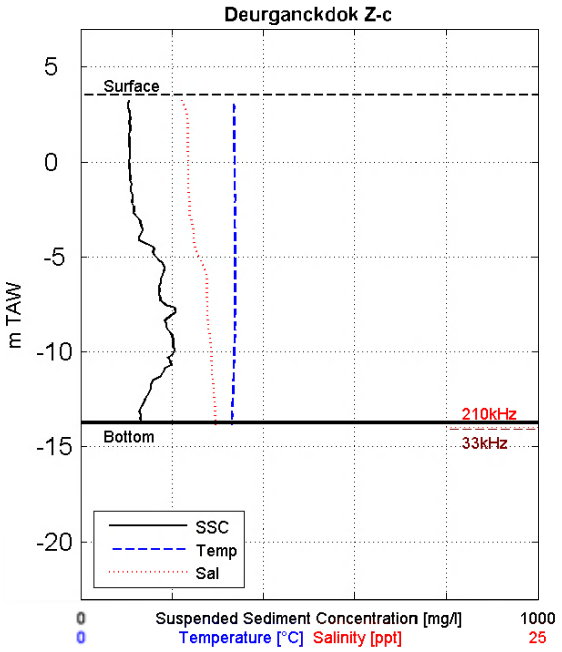
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

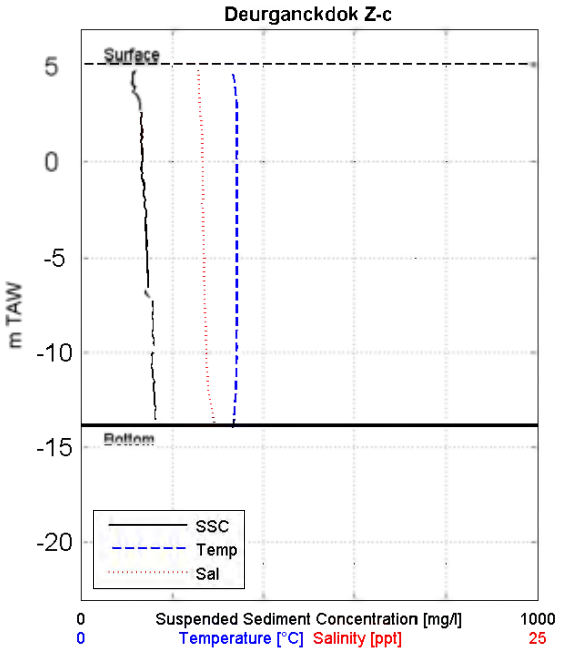
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4105Zc_ctd.sil 4120Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 16:11
Time after/before HT [MET]:	-2:08
Coordinates [UTM-ED50] Easting:	588779
Coordinates [UTM-ED50] Northing:	5684334
Water-Bottom Interface Siltpr. [m TAW]:	-13.75
Waterdepth 210 kHz Echo [m TAW]:	-13.98
Waterdepth 33 kHz Echo [m TAW]:	-14.10
Surface Elevation [m TAW]:	3.50

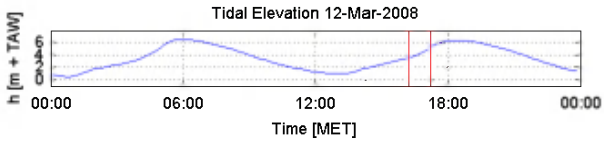
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.22	8.4	5.5	107
2.50	8.4	5.8	106
1.74	8.4	5.9	107
0.93	8.4	5.9	107
0.17	8.4	5.9	104
-0.53	8.4	5.8	108
-1.21	8.4	5.9	108
-1.90	8.5	5.9	113
-2.73	8.4	6.0	117
-3.57	8.4	6.2	138
-4.36	8.4	6.2	158
-5.08	8.5	6.5	162
-5.85	8.5	6.9	180
-6.68	8.5	6.9	171
-7.50	8.4	6.9	184
-8.45	8.5	7.0	186
-9.36	8.4	7.1	204
-10.21	8.4	7.2	202
-10.98	8.4	7.2	183
-11.85	8.4	7.3	152
-12.78	8.3	7.3	136
-13.63	8.2	7.4	131
-13.75	8.3	7.4	3669
Depth Avg	**8.4**	**6.5**	**148**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:12
Time after/before HT [MET]:	-1:08
Coordinates [UTM-ED50] Easting:	588762
Coordinates [UTM-ED50] Northing:	5684321
Water-Bottom Interface Siltpr. [m TAW]:	-13.87
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.16

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.86	8.3	6.4	117
4.28	8.4	6.5	112
3.66	8.4	6.5	112
3.08	8.5	6.5	128
2.32	8.6	6.6	131
1.22	8.5	6.7	134
0.15	8.5	6.7	138
-0.77	8.5	6.7	137
-1.59	8.6	6.7	136
-2.32	8.5	6.7	140
-3.07	8.5	6.7	141
-3.97	8.5	6.7	145
-4.88	8.5	6.7	147
-5.74	8.6	6.8	144
-6.50	8.6	6.8	150
-7.53	8.6	6.8	154
-8.51	8.6	6.8	160
-9.57	8.5	6.9	162
-10.66	8.5	6.9	154
-11.79	8.5	7.0	159
-12.84	8.4	7.2	169
-13.73	8.4	7.3	184
-13.87	8.4	7.3	188
Depth Avg	**8.5**	**6.8**	**144**



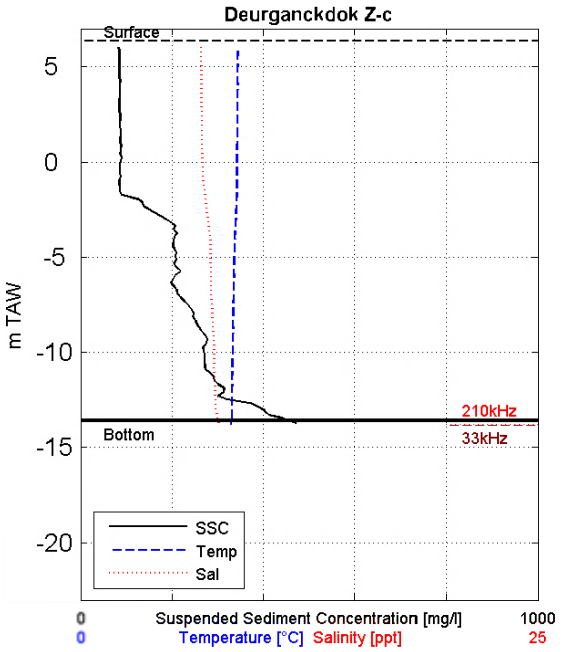
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

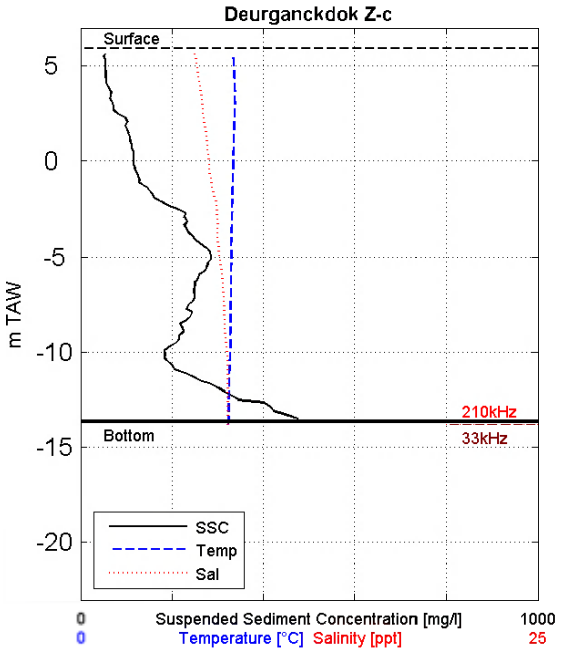
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4135Zc_ctd.sil 4151Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 18:06
Time after/before HT [MET]:	-0:13
Coordinates [UTM-ED50] Easting:	588758
Coordinates [UTM-ED50] Northing:	5684338
Water-Bottom Interface Siltpr. [m TAW]:	-13.60
Waterdepth 210 kHz Echo [m TAW]:	-13.79
Waterdepth 33 kHz Echo [m TAW]:	-13.82
Surface Elevation [m TAW]:	6.33

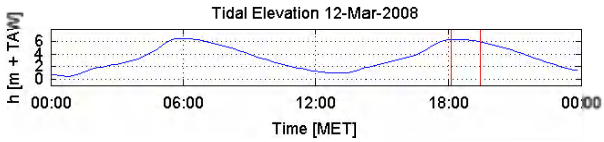
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.04	8.6	6.6	83
5.40	8.6	6.6	86
4.70	8.6	6.6	85
3.75	8.6	6.6	85
2.72	8.6	6.6	86
1.83	8.6	6.6	87
0.94	8.6	6.6	89
-0.13	8.6	6.7	88
-1.18	8.5	6.7	82
-2.15	8.5	6.9	134
-3.21	8.5	7.0	210
-4.09	8.5	7.1	203
-5.10	8.3	7.1	211
-6.12	8.4	7.1	202
-7.11	8.4	7.2	219
-8.01	8.3	7.2	248
-8.94	8.3	7.3	274
-9.78	8.3	7.3	261
-10.52	8.3	7.3	274
-11.40	8.3	7.3	290
-12.44	8.3	7.4	300
-13.40	8.2	7.5	426
-13.60	8.3	7.5	486
Depth Avg	**8.4**	**7.0**	**182**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:25
Time after/before HT [MET]:	1:05
Coordinates [UTM-ED50] Easting:	588759
Coordinates [UTM-ED50] Northing:	5684330
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	-13.82
Waterdepth 33 kHz Echo [m TAW]:	-13.81
Surface Elevation [m TAW]:	5.94

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.66	8.3	6.2	55
5.61	8.3	6.2	55
5.26	8.4	6.3	54
4.48	8.4	6.4	54
3.47	8.4	6.6	66
2.49	8.4	6.7	77
1.50	8.4	6.8	104
0.52	8.4	7.0	113
-0.43	8.3	7.0	119
-1.39	8.3	7.2	146
-2.42	8.3	7.4	193
-3.18	8.3	7.5	232
-4.13	8.3	7.5	248
-5.22	8.2	7.6	280
-6.19	8.2	7.8	248
-7.28	8.2	7.8	243
-8.20	8.2	7.9	240
-9.22	8.2	7.9	218
-10.30	8.2	8.0	184
-11.44	8.1	8.1	254
-12.54	8.1	8.1	343
-13.54	8.1	8.1	475
-13.66	8.1	8.1	568
Depth Avg	**8.3**	**7.4**	**193**



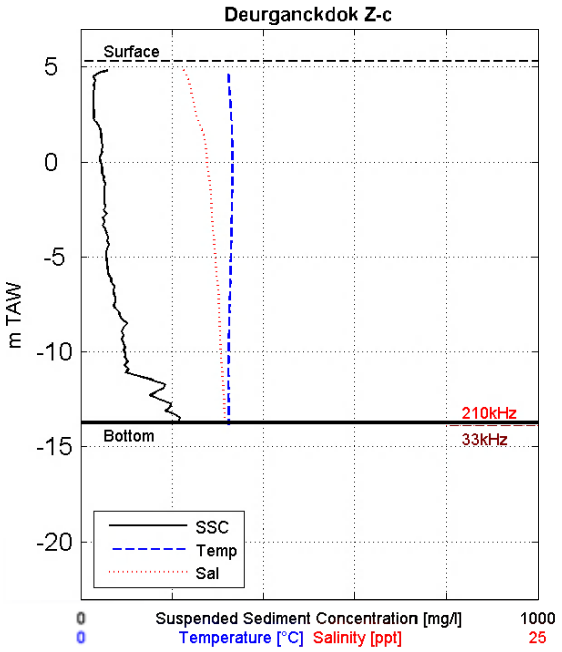
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

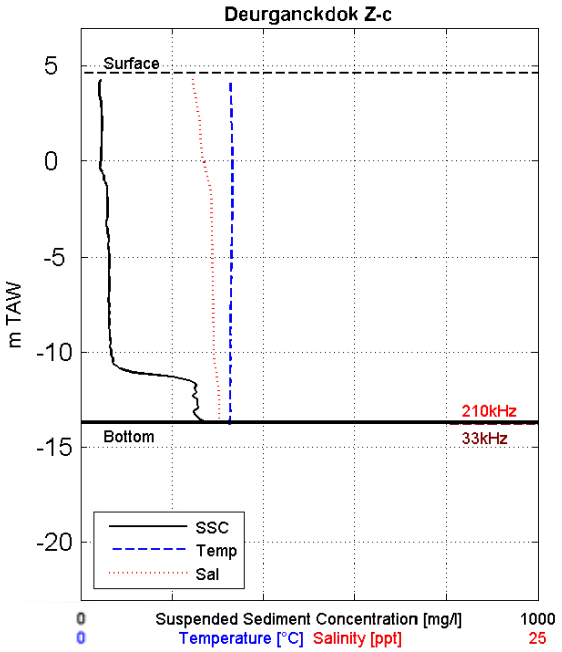
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4166Zc_ctd.sil 4181Zc_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 20:06
Time after/before HT [MET]:	1:46
Coordinates [UTM-ED50] Easting:	588772
Coordinates [UTM-ED50] Northing:	5684344
Water-Bottom Interface Siltpr. [m TAW]:	-13.74
Waterdepth 210 kHz Echo [m TAW]:	-13.91
Waterdepth 33 kHz Echo [m TAW]:	-13.89
Surface Elevation [m TAW]:	5.31

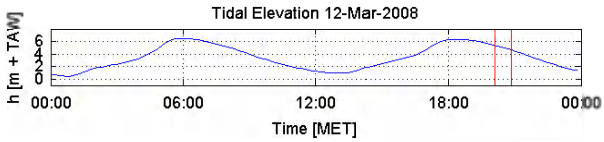
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.86	8.1	5.6	67
4.48	8.1	5.8	25
3.95	8.1	6.0	27
3.19	8.2	6.2	22
2.31	8.3	6.4	30
1.39	8.2	6.8	46
0.52	8.3	6.9	50
-0.44	8.3	7.0	49
-1.50	8.3	7.1	44
-2.67	8.3	7.2	50
-3.64	8.2	7.3	46
-4.62	8.2	7.3	61
-5.55	8.2	7.4	64
-6.44	8.2	7.5	82
-7.19	8.1	7.6	73
-8.01	8.1	7.6	67
-8.86	8.1	7.6	85
-9.77	8.1	7.7	118
-10.69	8.1	7.7	93
-11.65	8.1	7.8	188
-12.60	8.1	7.8	207
-13.46	8.1	7.9	243
-13.74	8.1	7.9	1271
Depth Avg	**8.2**	**7.1**	**75**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:49
Time after/before HT [MET]:	2:29
Coordinates [UTM-ED50] Easting:	588741
Coordinates [UTM-ED50] Northing:	5684352
Water-Bottom Interface Siltpr. [m TAW]:	-13.72
Waterdepth 210 kHz Echo [m TAW]:	-13.81
Waterdepth 33 kHz Echo [m TAW]:	-13.82
Surface Elevation [m TAW]:	4.64

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.36	8.1	6.1	55
4.30	8.2	6.1	43
4.25	8.2	6.1	41
4.20	8.2	6.1	41
3.68	8.2	6.2	41
2.82	8.3	6.4	46
1.80	8.3	6.5	46
0.79	8.3	6.6	47
-0.18	8.3	6.8	41
-1.24	8.3	7.0	56
-2.43	8.3	7.2	56
-3.63	8.3	7.2	60
-4.79	8.3	7.2	65
-5.89	8.2	7.2	61
-6.90	8.2	7.2	60
-7.82	8.2	7.3	65
-8.70	8.2	7.3	61
-9.72	8.2	7.3	66
-10.83	8.2	7.4	83
-11.65	8.2	7.5	248
-12.59	8.1	7.6	264
-13.54	8.1	7.6	251
-13.72	8.1	7.6	271
Depth Avg	**8.2**	**7.0**	**82**



Data Processed by: IMDC

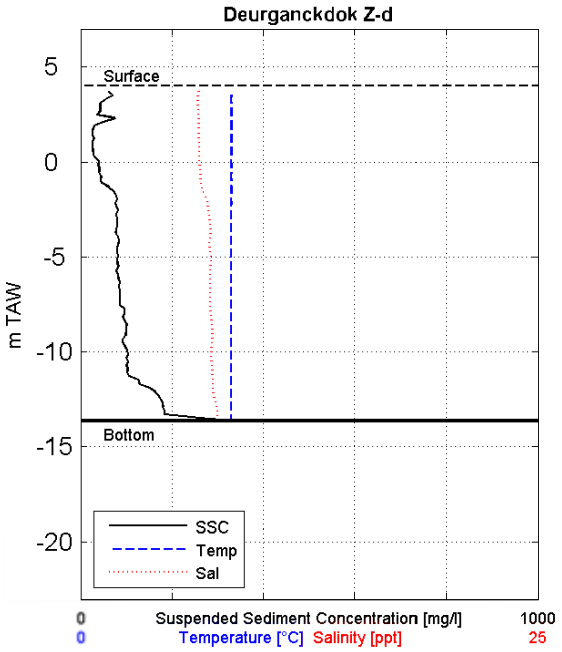
In association with :

I/RA/11283/07.091/MSA

F.14 Location Zd

Through tide measurements Siltprofiler 12 March 2008

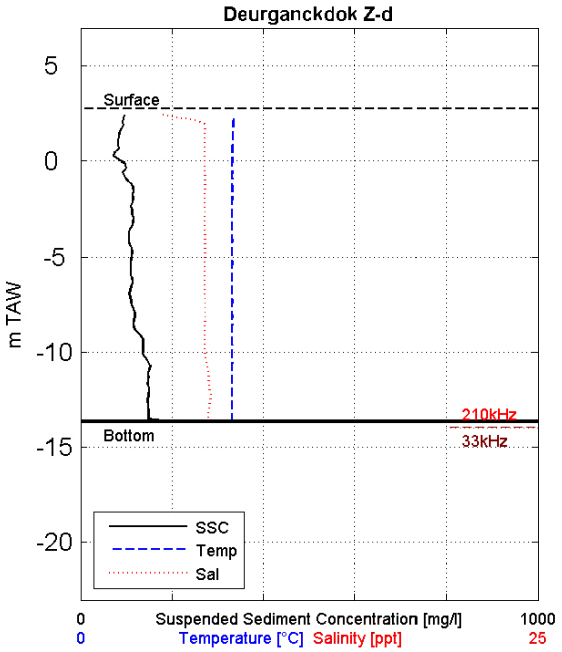
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4012Zd_ctd.sil 4027Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:58
Time after/before HT [MET]:	2:58
Coordinates [UTM-ED50] Easting:	588813
Coordinates [UTM-ED50] Northing:	5684398
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.01

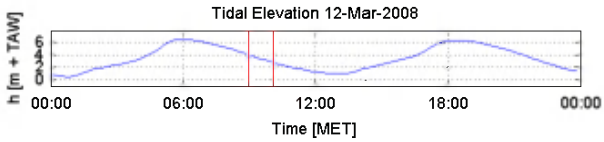
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.73	8.2	6.5	74
3.39	8.2	6.4	73
2.88	8.3	6.4	106
2.16	8.2	6.5	259
1.35	8.3	6.5	60
0.52	8.2	6.5	38
-0.29	8.2	6.5	44
-1.14	8.2	6.6	50
-2.06	8.2	6.9	77
-2.99	8.2	7.0	79
-3.80	8.2	7.1	83
-4.56	8.2	7.1	80
-5.61	8.2	7.1	70
-6.65	8.2	7.0	86
-7.62	8.2	7.1	89
-8.52	8.2	7.2	95
-9.37	8.2	7.2	84
-10.19	8.2	7.1	102
-11.20	8.2	7.2	105
-12.17	8.2	7.3	169
-13.12	8.2	7.5	182
-13.61	8.2	7.5	199
-13.66	8.2	7.5	1332
Depth Avg	**8.2**	**6.9**	**85**



Siltprofiler

Date & Time [MET]:	12/3/2008 10:06
Time after/before HT [MET]:	4:06
Coordinates [UTM-ED50] Easting:	588807
Coordinates [UTM-ED50] Northing:	5684386
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	-14.00
Waterdepth 33 kHz Echo [m TAW]:	-13.97
Surface Elevation [m TAW]:	2.73

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.45	8.4	4.4	98
1.74	8.3	6.8	88
1.28	8.3	6.8	85
0.58	8.3	6.8	80
-0.05	8.3	6.8	91
-0.75	8.3	6.8	92
-1.49	8.3	6.8	118
-2.17	8.3	6.8	108
-2.97	8.3	6.8	115
-3.93	8.3	6.8	104
-4.74	8.3	6.8	111
-5.52	8.3	6.8	107
-6.27	8.3	6.8	114
-7.00	8.3	6.8	107
-7.90	8.2	6.8	118
-8.71	8.3	6.8	117
-9.68	8.3	6.8	136
-10.48	8.3	6.9	149
-11.19	8.3	7.0	149
-11.98	8.3	7.1	149
-12.76	8.2	7.0	147
-13.60	8.2	7.0	149
-13.66	8.2	7.0	593
Depth Avg	**8.3**	**6.8**	**116**



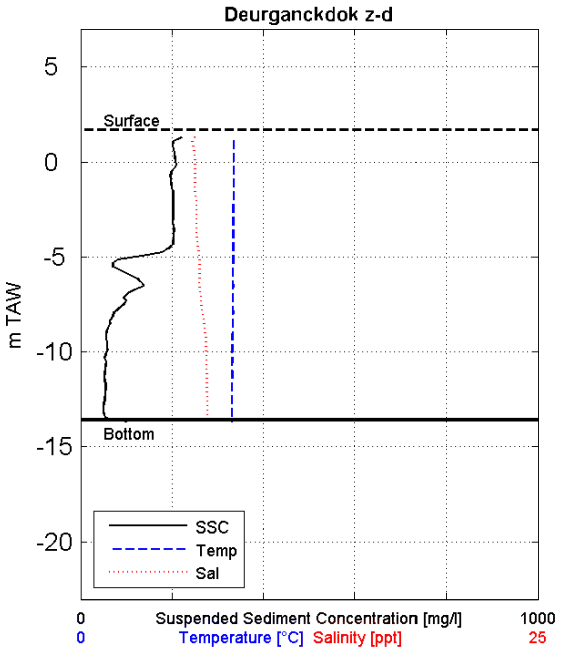
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

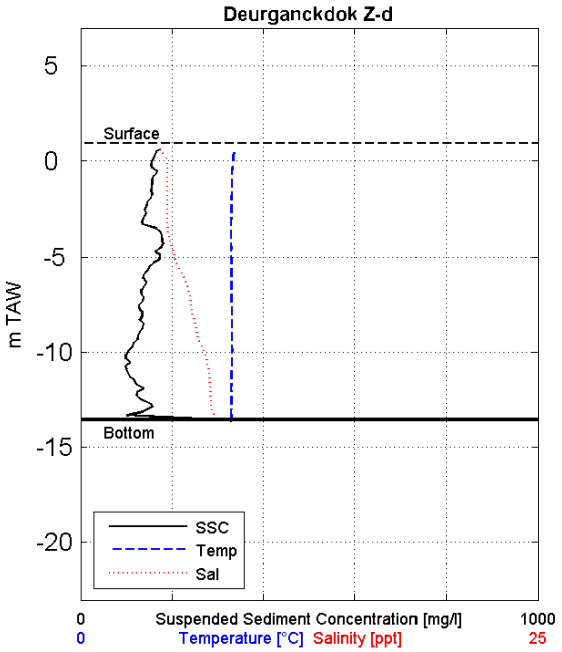
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4042zd_ctd.sil 4058Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:19
Time after/before HT [MET]:	5:19
Coordinates [UTM-ED50] Easting:	588787
Coordinates [UTM-ED50] Northing:	5684407
Water-Bottom Interface Siltpr. [m TAW]:	-13.62
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.68

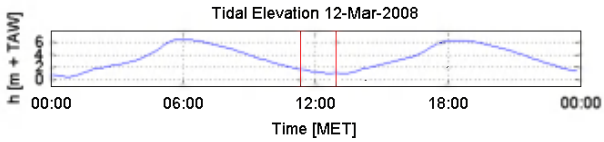
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.39	8.3	6.2	252
1.29	8.4	6.2	238
0.86	8.4	6.2	204
0.23	8.4	6.3	208
-0.54	8.4	6.3	196
-1.20	8.3	6.2	195
-1.68	8.3	6.3	202
-2.37	8.3	6.3	204
-3.28	8.4	6.3	203
-4.20	8.3	6.4	203
-4.99	8.3	6.5	98
-5.79	8.4	6.5	98
-6.86	8.3	6.5	101
-7.91	8.3	6.7	71
-8.70	8.3	6.8	59
-9.26	8.3	6.8	54
-9.78	8.3	6.9	59
-10.49	8.3	6.9	59
-11.41	8.3	6.9	54
-12.25	8.3	6.9	55
-12.91	8.3	6.9	48
-13.58	8.3	6.9	58
-13.62	8.2	6.9	144
Depth Avg	**8.3**	**6.6**	**127**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:57
Time after/before HT [MET]:	6:57
Coordinates [UTM-ED50] Easting:	588814
Coordinates [UTM-ED50] Northing:	5684409
Water-Bottom Interface Siltpr. [m TAW]:	-13.56
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.93

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.65	8.4	4.3	173
0.29	8.3	4.6	157
-0.19	8.3	4.7	151
-0.65	8.3	4.7	149
-1.41	8.3	4.7	156
-2.00	8.2	4.7	153
-2.61	8.3	4.7	144
-3.20	8.3	4.7	134
-3.65	8.3	4.8	180
-4.28	8.2	4.9	172
-4.94	8.2	5.1	153
-5.58	8.2	5.4	153
-6.27	8.3	5.7	147
-7.02	8.3	6.0	161
-7.80	8.3	6.1	144
-8.46	8.3	6.2	126
-9.35	8.3	6.5	117
-10.16	8.3	6.8	101
-10.92	8.3	7.0	93
-11.75	8.3	7.1	126
-12.58	8.2	7.1	142
-13.39	8.2	7.4	107
-13.56	8.2	7.5	1302
Depth Avg	**8.3**	**5.7**	**142**



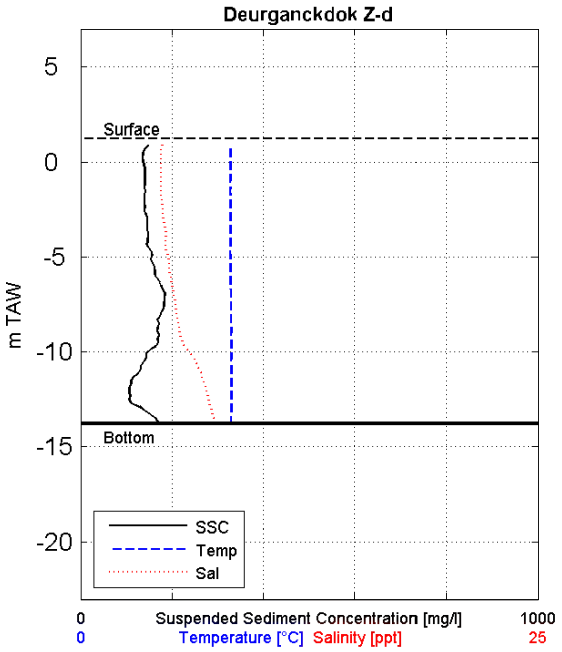
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

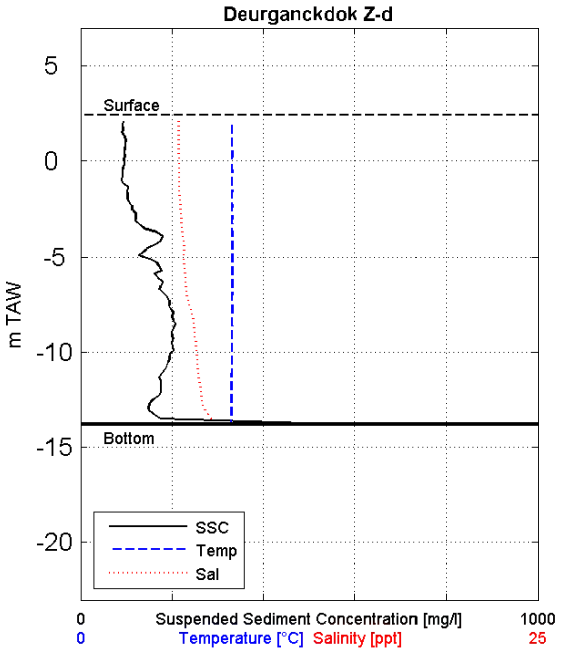
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4073Zd_ctd.sil 4088Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:46
Time after/before HT [MET]:	-4:33
Coordinates [UTM-ED50] Easting:	588824
Coordinates [UTM-ED50] Northing:	5684380
Water-Bottom Interface Siltpr. [m TAW]:	-13.80
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.23

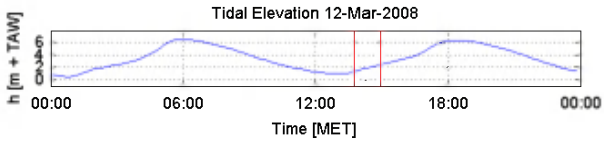
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.95	8.2	4.5	144
0.85	8.2	4.4	139
0.09	8.2	4.4	136
-0.50	8.2	4.4	143
-1.27	8.2	4.4	141
-2.13	8.2	4.5	138
-2.95	8.2	4.5	145
-3.81	8.2	4.7	146
-4.71	8.2	4.7	153
-5.47	8.2	4.8	162
-6.26	8.2	5.0	171
-7.11	8.2	5.1	180
-7.93	8.3	5.2	177
-8.72	8.2	5.4	166
-9.46	8.3	5.5	170
-10.22	8.2	6.1	143
-10.95	8.2	6.5	132
-11.74	8.2	6.8	110
-12.51	8.3	7.0	106
-13.22	8.2	7.2	150
-13.67	8.2	7.3	169
-13.73	8.2	7.4	169
-13.80	8.2	7.4	160
Depth Avg	**8.2**	**5.3**	**148**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:56
Time after/before HT [MET]:	-3:23
Coordinates [UTM-ED50] Easting:	588800
Coordinates [UTM-ED50] Northing:	5684385
Water-Bottom Interface Siltpr. [m TAW]:	-13.81
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.44

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.15	8.2	5.3	111
1.94	8.3	5.3	89
1.37	8.3	5.4	94
0.79	8.3	5.4	97
0.25	8.3	5.4	94
-0.52	8.3	5.4	92
-1.21	8.3	5.4	103
-2.02	8.3	5.4	104
-2.67	8.3	5.5	118
-3.54	8.3	5.5	147
-4.32	8.3	5.7	167
-5.11	8.3	5.6	149
-5.89	8.3	5.7	156
-6.71	8.3	5.8	175
-7.59	8.3	6.0	193
-8.59	8.3	6.2	210
-9.75	8.3	6.3	202
-10.88	8.3	6.4	184
-12.03	8.3	6.6	173
-13.17	8.2	6.9	152
-13.73	8.2	7.3	181
-13.79	8.3	7.3	178
-13.81	8.2	7.3	1041
Depth Avg	**8.3**	**5.9**	**153**



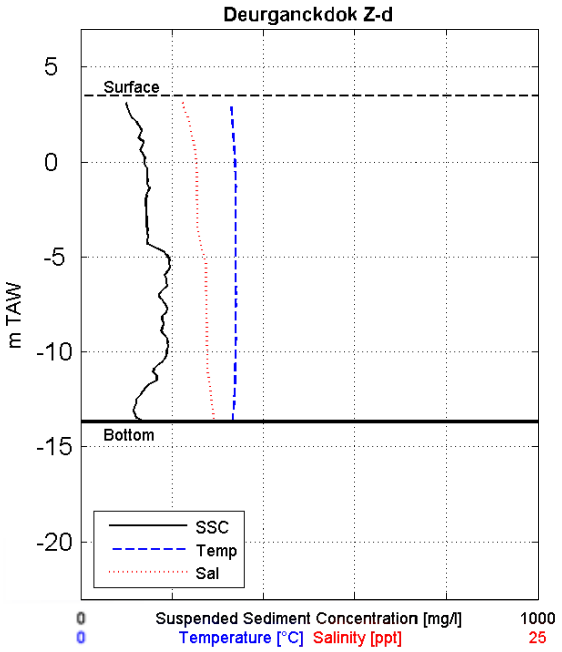
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

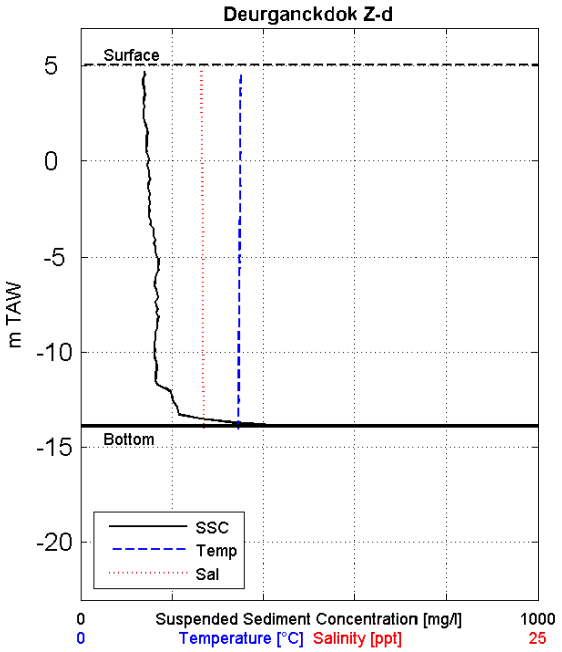
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4104Zd_ctd.sil 4119Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 16:09
Time after/before HT [MET]:	-2:10
Coordinates [UTM-ED50] Easting:	588813
Coordinates [UTM-ED50] Northing:	5684408
Water-Bottom Interface Siltpr. [m TAW]:	-13.68
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.46

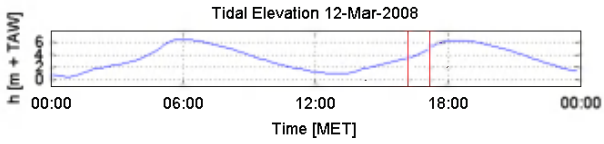
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.17	8.2	5.5	100
2.66	8.3	5.7	109
1.99	8.3	6.0	124
1.39	8.4	6.1	126
0.74	8.4	6.2	128
0.10	8.4	6.3	138
-0.57	8.4	6.3	144
-1.41	8.5	6.4	152
-2.16	8.5	6.4	139
-2.96	8.5	6.4	147
-3.78	8.5	6.4	143
-4.65	8.5	6.7	184
-5.90	8.6	6.9	182
-6.68	8.5	6.9	182
-7.63	8.5	6.9	190
-8.59	8.5	6.9	180
-9.56	8.4	6.9	190
-10.47	8.4	6.9	177
-11.31	8.4	7.0	166
-12.11	8.4	7.1	134
-12.86	8.4	7.2	120
-13.60	8.3	7.3	126
-13.68	8.3	7.3	10036
Depth Avg	**8.4**	**6.6**	**158**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:09
Time after/before HT [MET]:	-1:10
Coordinates [UTM-ED50] Easting:	588813
Coordinates [UTM-ED50] Northing:	5684408
Water-Bottom Interface Siltpr. [m TAW]:	-13.88
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	5.07

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.76	8.8	6.6	141
4.09	8.7	6.6	137
3.35	8.8	6.6	139
2.49	8.7	6.6	136
1.54	8.7	6.6	146
0.68	8.7	6.6	144
-0.07	8.7	6.6	143
-0.79	8.8	6.7	147
-1.65	8.8	6.6	151
-2.49	8.7	6.6	148
-3.27	8.7	6.7	152
-4.33	8.7	6.7	163
-5.47	8.7	6.7	169
-6.50	8.7	6.7	158
-7.49	8.7	6.7	164
-8.55	8.6	6.7	170
-9.61	8.6	6.7	161
-10.58	8.6	6.7	164
-11.33	8.7	6.7	164
-12.04	8.7	6.7	197
-12.92	8.6	6.7	212
-13.80	8.7	6.7	406
-13.88	8.7	6.7	436
Depth Avg	**8.7**	**6.7**	**162**



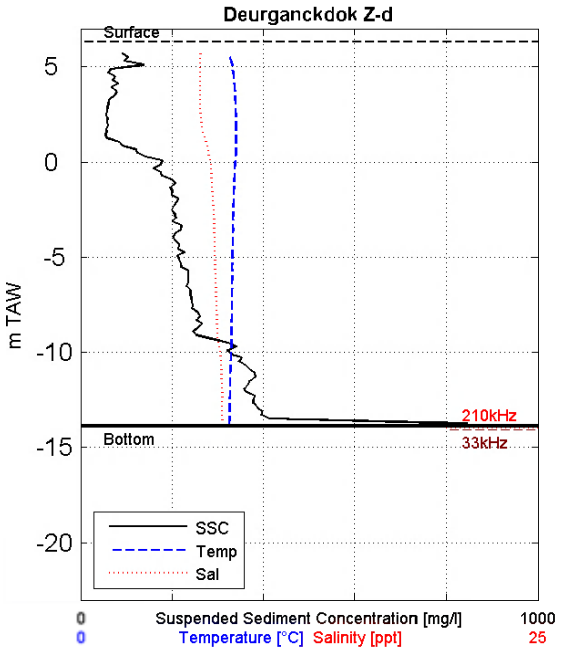
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

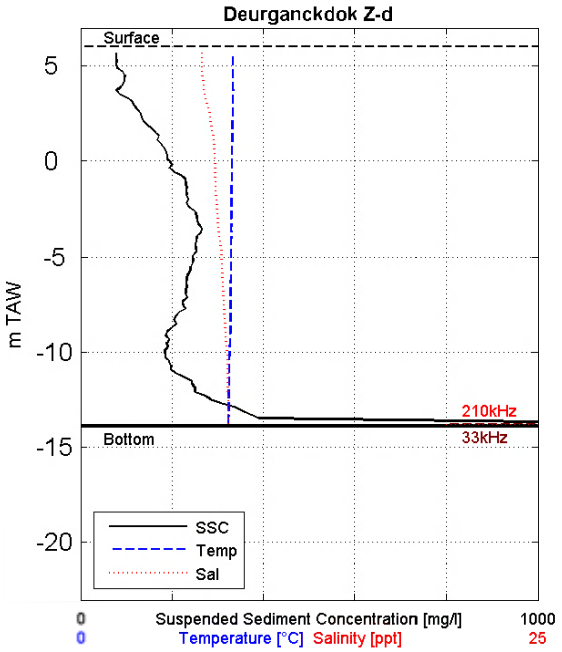
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4134Zd_ctd.sil 4150Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 18:03
Time after/before HT [MET]:	-0:16
Coordinates [UTM-ED50] Easting:	588798
Coordinates [UTM-ED50] Northing:	5684414
Water-Bottom Interface Siltpr. [m TAW]:	-13.87
Waterdepth 210 kHz Echo [m TAW]:	-13.99
Waterdepth 33 kHz Echo [m TAW]:	-14.07
Surface Elevation [m TAW]:	6.32

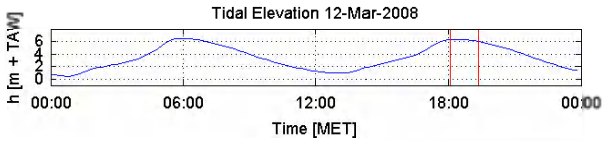
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.75	8.1	6.5	85
4.82	8.3	6.5	62
3.72	8.5	6.5	59
2.48	8.5	6.6	57
1.27	8.4	6.8	54
0.06	8.5	7.1	176
-0.94	8.4	7.2	183
-1.89	8.3	7.2	211
-2.93	8.3	7.3	217
-4.05	8.3	7.3	194
-5.21	8.3	7.3	215
-6.40	8.3	7.4	218
-7.48	8.2	7.4	248
-8.37	8.3	7.4	251
-9.42	8.2	7.5	283
-10.45	8.2	7.7	315
-11.43	8.2	7.7	391
-12.24	8.1	7.7	391
-13.11	8.2	7.7	419
-13.73	8.2	7.7	433
-13.79	8.1	7.7	1528
-13.83	8.2	7.7	1296
-13.87	8.2	7.7	454
Depth Avg	**8.3**	**7.2**	**214**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:22
Time after/before HT [MET]:	1:02
Coordinates [UTM-ED50] Easting:	588805
Coordinates [UTM-ED50] Northing:	5684408
Water-Bottom Interface Siltpr. [m TAW]:	-13.89
Waterdepth 210 kHz Echo [m TAW]:	-13.79
Waterdepth 33 kHz Echo [m TAW]:	-13.78
Surface Elevation [m TAW]:	5.99

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.69	8.3	6.6	80
4.90	8.4	6.6	79
3.95	8.4	6.7	89
2.87	8.3	7.0	119
1.85	8.3	7.2	148
0.48	8.2	7.3	188
-0.80	8.2	7.4	230
-1.94	8.2	7.4	238
-3.01	8.2	7.5	254
-4.33	8.2	7.7	249
-5.60	8.2	7.7	241
-6.72	8.2	7.8	239
-7.86	8.2	7.8	215
-9.14	8.2	7.9	182
-10.34	8.1	8.0	192
-11.46	8.1	8.1	240
-12.67	8.1	8.1	309
-13.72	8.1	8.1	1507
-13.76	8.1	8.1	532
-13.78	8.1	8.1	1231
-13.81	8.1	8.1	1013
-13.86	8.2	8.1	995
-13.89	8.1	8.1	1178
Depth Avg	**8.2**	**7.5**	**213**



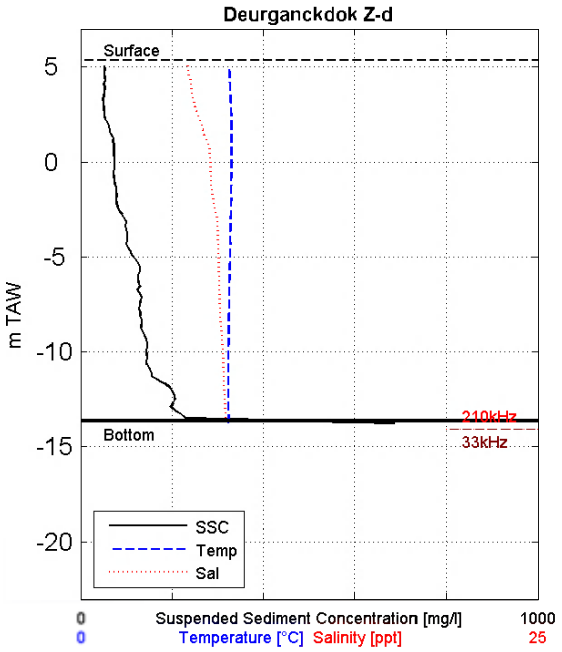
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

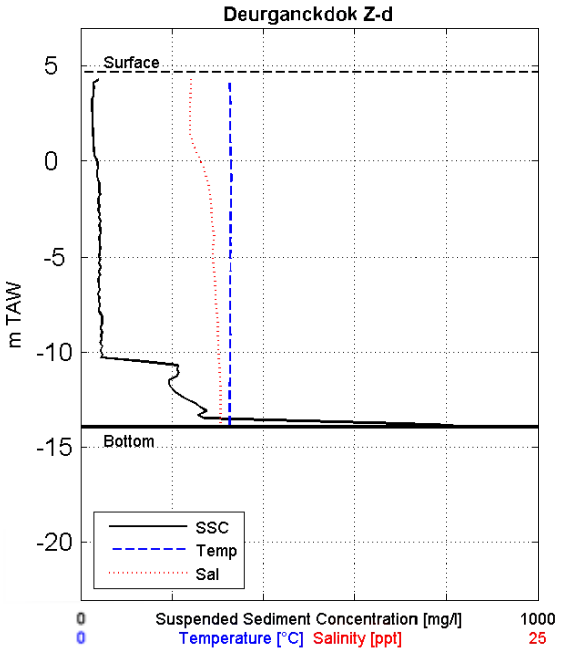
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4165Zd_ctd.sil 4180Zd_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 20:03
Time after/before HT [MET]:	1:43
Coordinates [UTM-ED50] Easting:	588830
Coordinates [UTM-ED50] Northing:	5684410
Water-Bottom Interface Siltpr. [m TAW]:	-13.66
Waterdepth 210 kHz Echo [m TAW]:	-14.10
Waterdepth 33 kHz Echo [m TAW]:	-14.06
Surface Elevation [m TAW]:	5.35

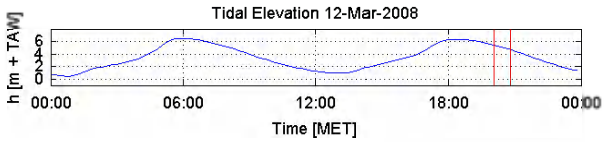
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.06	8.1	5.8	52
4.62	8.1	5.9	51
3.98	8.1	6.0	51
3.16	8.2	6.2	49
2.13	8.2	6.5	55
1.15	8.3	6.9	70
0.09	8.2	7.1	73
-0.83	8.2	7.1	76
-1.71	8.3	7.2	76
-2.69	8.2	7.4	88
-3.80	8.2	7.5	101
-4.76	8.2	7.5	110
-5.71	8.1	7.6	129
-6.50	8.1	7.6	132
-7.26	8.2	7.6	128
-8.09	8.1	7.6	128
-9.03	8.1	7.7	143
-9.91	8.1	7.8	142
-10.72	8.0	7.8	148
-11.67	8.1	7.8	182
-12.60	8.0	7.9	204
-13.50	8.1	7.9	230
-13.66	8.0	8.0	150
Depth Avg	**8.2**	**7.3**	**110**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:47
Time after/before HT [MET]:	2:27
Coordinates [UTM-ED50] Easting:	588806
Coordinates [UTM-ED50] Northing:	5684411
Water-Bottom Interface Siltpr. [m TAW]:	-13.95
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.68

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.39	8.1	6.0	52
4.31	8.1	6.0	26
4.25	8.1	6.0	28
3.71	8.2	6.0	23
2.69	8.1	6.0	28
1.71	8.2	6.0	27
0.53	8.2	6.3	27
-0.90	8.3	6.9	28
-2.25	8.2	7.1	43
-3.54	8.2	7.3	49
-4.81	8.2	7.2	40
-5.98	8.2	7.3	48
-7.16	8.1	7.4	46
-8.27	8.1	7.5	36
-9.62	8.2	7.5	36
-10.74	8.2	7.6	243
-12.02	8.1	7.6	214
-13.19	8.1	7.7	271
-13.79	8.1	7.7	1512
-13.82	8.1	7.7	595
-13.86	8.2	7.7	1235
-13.90	8.2	7.7	689
-13.95	8.2	7.7	662
Depth Avg	**8.2**	**7.0**	**78**



Data Processed by: IMDC

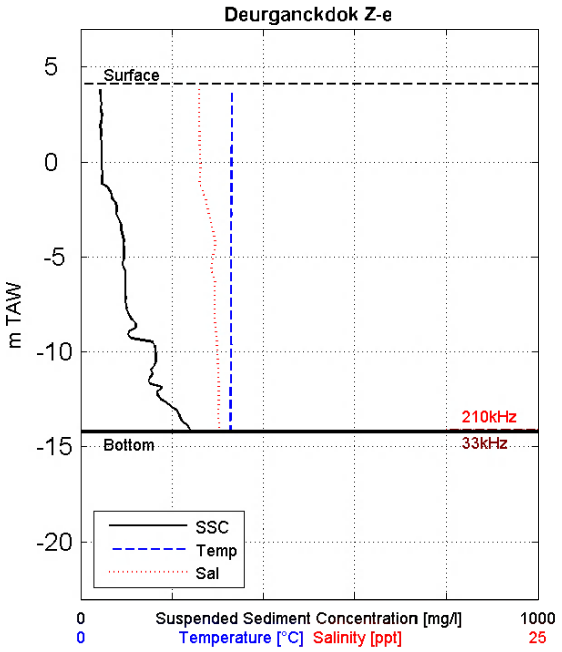
In association with :

I/RA/11283/07.091/MSA

F.15 Location Ze

Through tide measurements Siltprofiler 12 March 2008

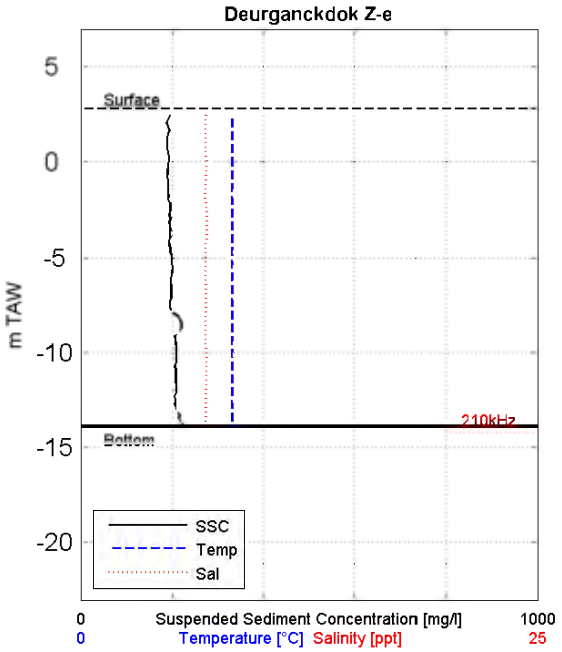
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4011Ze_ctd.sil 4026Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 08:54
Time after/before HT [MET]:	2:54
Coordinates [UTM-ED50] Easting:	588859
Coordinates [UTM-ED50] Northing:	5684488
Water-Bottom Interface Siltpr. [m TAW]:	-14.22
Waterdepth 210 kHz Echo [m TAW]:	-14.10
Waterdepth 33 kHz Echo [m TAW]:	-14.10
Surface Elevation [m TAW]:	4.09

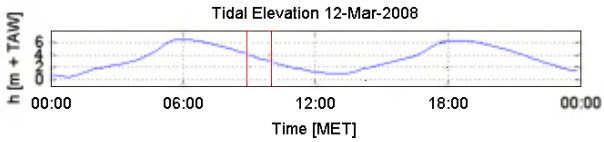
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.81	8.3	6.5	41
3.12	8.3	6.5	44
2.29	8.3	6.5	46
1.14	8.3	6.5	44
0.19	8.3	6.5	45
-0.79	8.3	6.5	48
-1.85	8.2	6.8	65
-2.67	8.2	7.0	76
-3.39	8.2	7.2	88
-4.05	8.2	7.3	95
-4.62	8.2	7.3	92
-5.40	8.2	7.2	92
-6.15	8.2	7.3	96
-6.82	8.2	7.3	98
-7.64	8.2	7.3	97
-8.42	8.2	7.3	113
-9.36	8.2	7.4	105
-10.24	8.3	7.5	163
-11.20	8.2	7.5	161
-12.21	8.2	7.6	165
-13.11	8.2	7.5	212
-14.08	8.2	7.6	242
-14.22	8.2	7.6	244
Depth Avg	**8.2**	**7.1**	**102**



Siltprofiler

Date & Time [MET]:	12/3/2008 10:02
Time after/before HT [MET]:	4:02
Coordinates [UTM-ED50] Easting:	588851
Coordinates [UTM-ED50] Northing:	5684489
Water-Bottom Interface Siltpr. [m TAW]:	-13.90
Waterdepth 210 kHz Echo [m TAW]:	-14.25
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.80

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
2.51	8.3	6.8	195
1.74	8.3	6.8	195
1.02	8.3	6.8	193
0.34	8.3	6.8	192
-0.33	8.4	6.9	190
-1.04	8.3	6.8	190
-1.80	8.3	6.8	191
-2.60	8.3	6.9	197
-3.45	8.3	6.9	197
-4.15	8.3	6.9	191
-4.94	8.3	6.8	201
-5.71	8.3	6.8	199
-6.66	8.3	6.9	204
-7.60	8.3	6.8	195
-8.23	8.3	6.8	216
-8.96	8.3	6.8	214
-9.98	8.3	6.9	204
-11.06	8.3	6.9	212
-12.08	8.3	6.8	208
-13.05	8.2	6.8	210
-13.73	8.3	6.8	228
-13.83	8.3	6.8	224
-13.90	8.3	6.8	219
Depth Avg	**8.3**	**6.8**	**200**



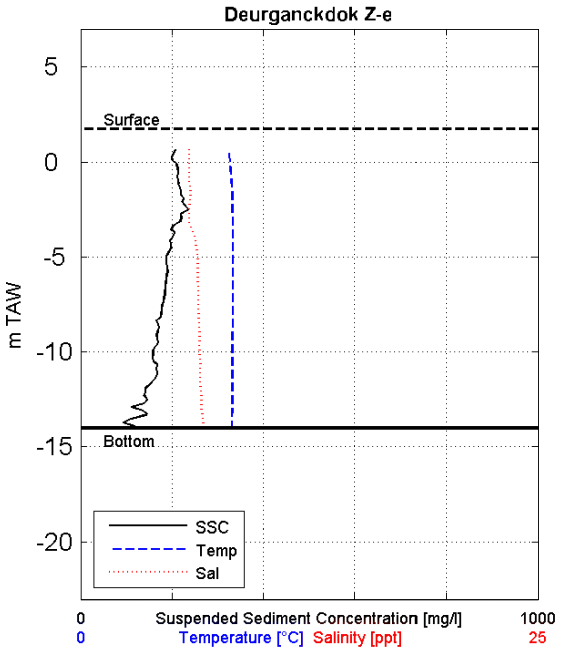
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

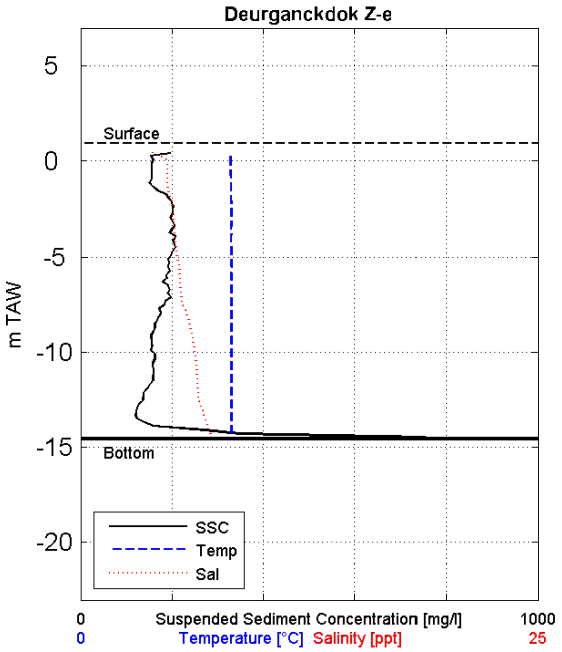
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4041Ze_ctd.sil 4057Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 11:15
Time after/before HT [MET]:	5:15
Coordinates [UTM-ED50] Easting:	588843
Coordinates [UTM-ED50] Northing:	5684495
Water-Bottom Interface Siltpr. [m TAW]:	-14.01
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.71

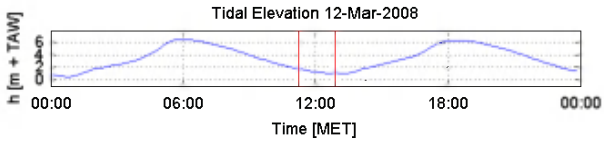
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.75	8.1	5.9	212
-0.24	8.2	5.9	212
-0.99	8.3	5.9	208
-1.60	8.2	6.0	217
-2.37	8.3	5.9	227
-3.12	8.3	5.9	220
-3.84	8.3	6.2	205
-4.65	8.3	6.4	194
-5.45	8.3	6.4	189
-6.24	8.3	6.4	186
-7.12	8.3	6.4	184
-8.01	8.3	6.5	179
-8.70	8.3	6.5	173
-9.35	8.3	6.5	168
-10.22	8.3	6.5	156
-11.22	8.3	6.5	166
-11.97	8.3	6.5	141
-12.49	8.3	6.6	149
-13.22	8.3	6.6	151
-13.87	8.2	6.7	118
-13.91	8.3	6.7	76
-13.95	8.3	6.7	95
-14.01	8.3	6.8	73
Depth Avg	**8.3**	**6.3**	**182**



Siltprofiler

Date & Time [MET]:	12/3/2008 12:54
Time after/before HT [MET]:	6:54
Coordinates [UTM-ED50] Easting:	588831
Coordinates [UTM-ED50] Northing:	5684494
Water-Bottom Interface Siltpr. [m TAW]:	-14.58
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	0.94

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.49	8.2	3.8	179
0.02	8.2	4.7	169
-0.33	8.2	4.7	149
-0.72	8.3	4.7	150
-1.41	8.2	4.8	147
-2.06	8.2	5.0	196
-2.71	8.3	5.0	197
-3.71	8.3	5.1	178
-4.43	8.3	5.2	209
-5.10	8.3	5.3	181
-6.13	8.2	5.4	189
-7.07	8.2	5.5	188
-7.66	8.3	5.7	174
-8.62	8.2	6.0	157
-9.76	8.3	6.2	154
-10.46	8.2	6.3	163
-11.19	8.3	6.3	164
-12.29	8.3	6.4	136
-13.34	8.2	6.8	116
-14.04	8.2	7.0	206
-14.48	8.2	7.1	807
-14.55	8.2	7.1	1082
-14.58	8.2	7.2	921
Depth Avg	**8.2**	**5.6**	**179**



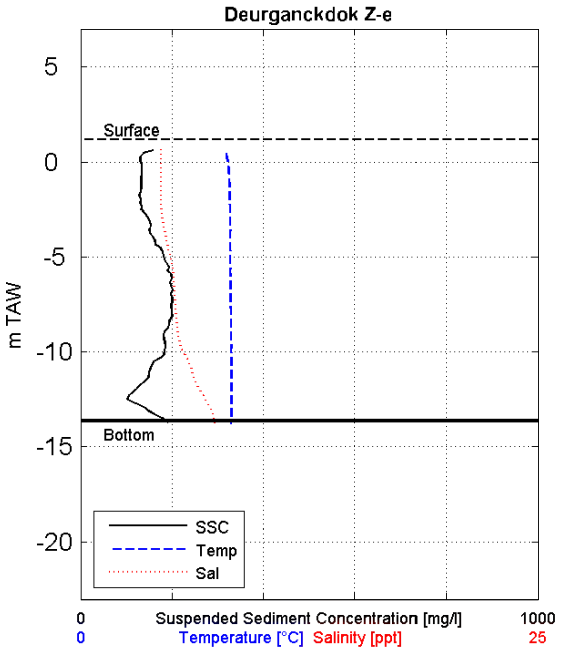
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

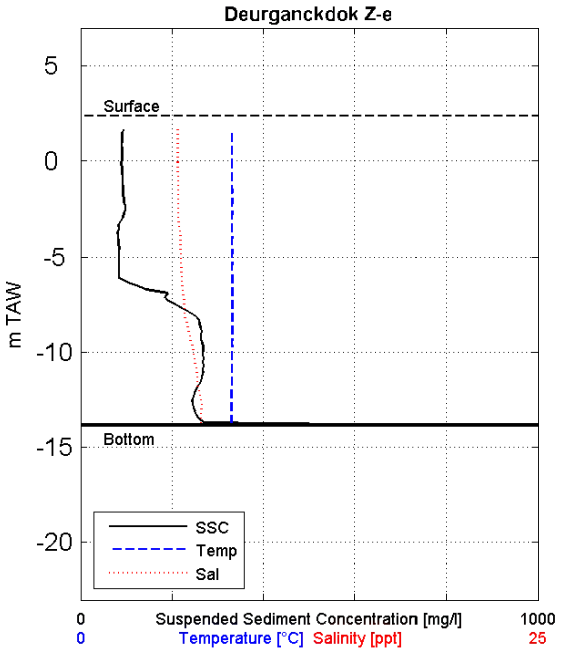
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4072Ze_ctd.sil 4087Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 13:42
Time after/before HT [MET]:	-4:37
Coordinates [UTM-ED50] Easting:	588857
Coordinates [UTM-ED50] Northing:	5684444
Water-Bottom Interface Siltpr. [m TAW]:	-13.65
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	1.20

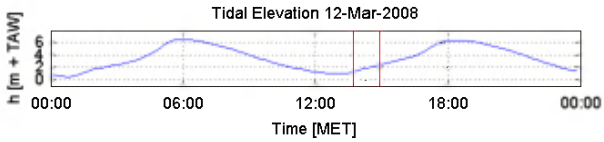
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
0.76	8.0	4.4	170
0.21	8.0	4.4	132
-0.16	8.1	4.4	132
-0.79	8.1	4.4	132
-1.40	8.2	4.4	133
-2.11	8.1	4.4	129
-2.91	8.1	4.5	150
-3.95	8.2	4.7	155
-4.71	8.2	4.8	179
-5.54	8.3	5.0	189
-6.24	8.2	5.1	189
-6.86	8.2	5.1	198
-7.54	8.2	5.2	199
-8.19	8.2	5.2	197
-8.88	8.2	5.3	178
-9.69	8.2	5.5	187
-10.45	8.3	5.9	163
-11.24	8.3	6.2	146
-11.90	8.3	6.5	121
-12.51	8.3	6.8	105
-13.02	8.3	7.1	140
-13.62	8.2	7.3	176
-13.65	8.2	7.3	259
Depth Avg	**8.2**	**5.2**	**161**



Siltprofiler

Date & Time [MET]:	12/3/2008 14:53
Time after/before HT [MET]:	-3:26
Coordinates [UTM-ED50] Easting:	588871
Coordinates [UTM-ED50] Northing:	5684486
Water-Bottom Interface Siltpr. [m TAW]:	-13.86
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	2.39

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
1.69	8.3	5.3	100
1.06	8.3	5.3	92
0.42	8.3	5.3	91
-0.18	8.3	5.3	91
-0.99	8.3	5.3	91
-1.76	8.3	5.3	94
-2.48	8.3	5.3	96
-3.28	8.3	5.4	79
-4.04	8.3	5.5	81
-4.78	8.3	5.5	85
-5.46	8.3	5.5	83
-6.18	8.3	5.5	86
-6.87	8.3	5.6	184
-7.58	8.3	5.7	217
-8.35	8.3	5.8	259
-9.10	8.3	6.0	263
-9.94	8.3	6.2	267
-10.75	8.3	6.3	266
-11.60	8.2	6.4	261
-12.35	8.3	6.5	247
-13.06	8.2	6.6	250
-13.76	8.3	6.6	270
-13.86	8.3	6.6	237
Depth Avg	**8.3**	**5.7**	**162**



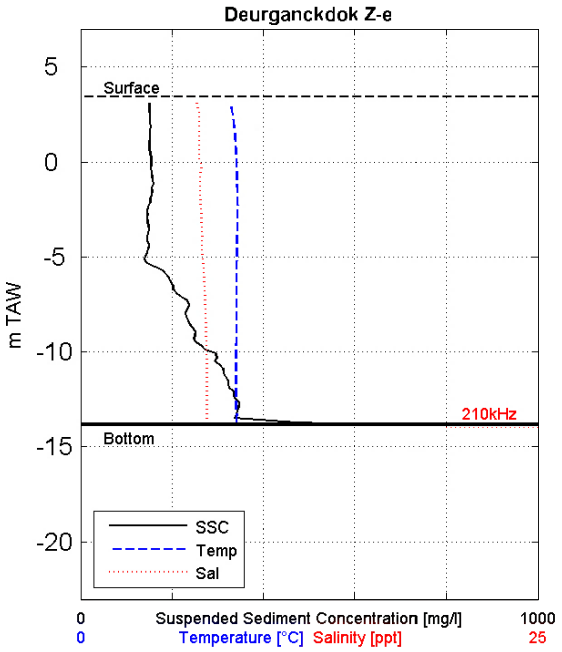
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

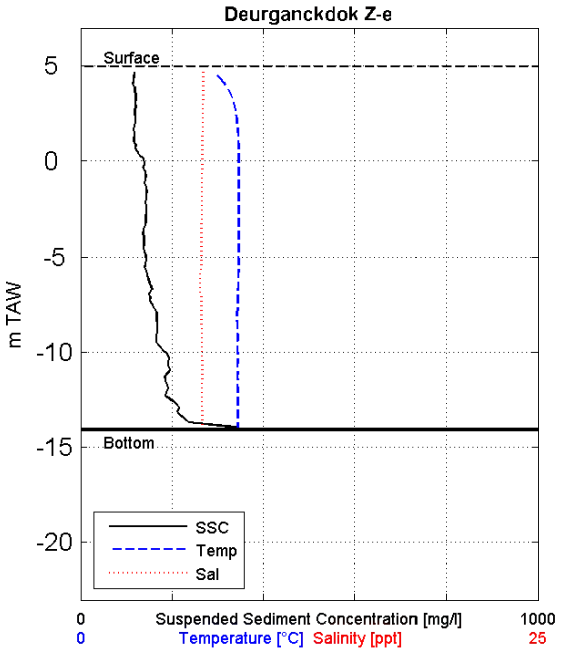
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4103Ze_ctd.sil 4118Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 16:06
Time after/before HT [MET]:	-2:13
Coordinates [UTM-ED50] Easting:	588853
Coordinates [UTM-ED50] Northing:	5684473
Water-Bottom Interface Siltpr. [m TAW]:	-13.86
Waterdepth 210 kHz Echo [m TAW]:	-13.97
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	3.41

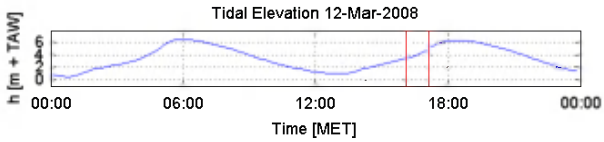
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
3.13	8.2	6.3	148
2.33	8.4	6.5	149
1.29	8.5	6.5	151
0.45	8.5	6.5	153
-0.25	8.5	6.6	152
-0.90	8.5	6.5	159
-1.80	8.6	6.5	154
-2.80	8.6	6.6	145
-3.75	8.6	6.6	146
-4.60	8.5	6.6	144
-5.46	8.5	6.7	155
-6.38	8.5	6.8	197
-7.30	8.5	6.8	241
-8.20	8.5	6.8	232
-9.15	8.5	6.9	252
-10.04	8.6	6.9	291
-10.89	8.5	6.9	312
-11.79	8.5	6.9	322
-12.69	8.5	6.9	346
-13.55	8.5	6.9	335
-13.74	8.5	6.9	347
-13.81	8.5	6.9	810
-13.86	8.6	6.9	605
Depth Avg	**8.5**	**6.7**	**211**



Siltprofiler

Date & Time [MET]:	12/3/2008 17:06
Time after/before HT [MET]:	-1:13
Coordinates [UTM-ED50] Easting:	588862
Coordinates [UTM-ED50] Northing:	5684458
Water-Bottom Interface Siltpr. [m TAW]:	-14.08
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	4.96

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.67	7.2	6.7	120
3.90	8.0	6.7	119
3.03	8.4	6.7	120
1.92	8.6	6.7	115
0.65	8.7	6.7	118
-0.47	8.6	6.6	142
-1.45	8.7	6.6	138
-2.37	8.7	6.6	142
-3.25	8.7	6.6	141
-4.50	8.7	6.6	138
-5.65	8.6	6.6	142
-6.63	8.6	6.6	159
-7.54	8.6	6.6	159
-8.75	8.6	6.6	168
-10.01	8.6	6.6	186
-11.24	8.6	6.6	184
-12.40	8.6	6.6	186
-13.57	8.6	6.7	232
-13.95	8.6	6.6	241
-13.97	8.6	6.6	225
-14.00	8.6	6.6	320
-14.04	8.6	6.6	221
-14.08	8.6	6.6	228
Depth Avg	**8.5**	**6.6**	**153**



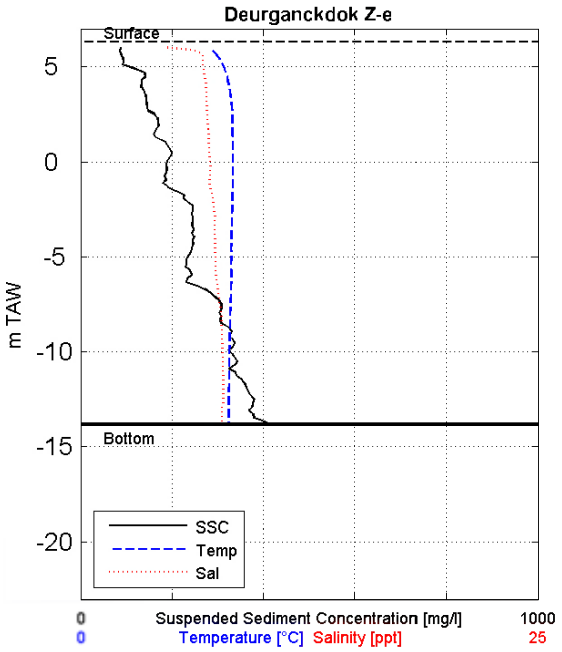
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

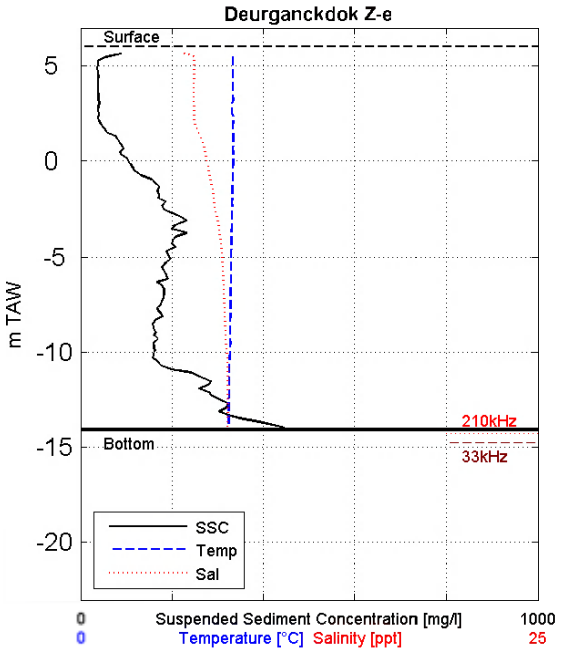
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4133Ze_ctd.sil 4149Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 18:00
Time after/before HT [MET]:	-0:19
Coordinates [UTM-ED50] Easting:	588861
Coordinates [UTM-ED50] Northing:	5684486
Water-Bottom Interface Siltpr. [m TAW]:	-13.84
Waterdepth 210 kHz Echo [m TAW]:	NaN
Waterdepth 33 kHz Echo [m TAW]:	NaN
Surface Elevation [m TAW]:	6.30

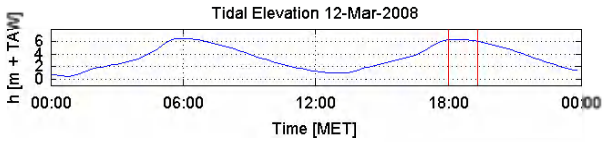
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
6.02	7.0	4.7	89
5.12	7.8	6.7	89
3.91	8.1	6.9	128
2.75	8.3	6.9	147
1.49	8.3	7.0	163
0.27	8.3	7.1	193
-1.01	8.3	7.0	186
-2.28	8.3	7.3	244
-3.48	8.2	7.3	246
-4.74	8.2	7.4	241
-5.77	8.2	7.4	248
-7.02	8.2	7.5	290
-8.28	8.1	7.7	301
-9.35	8.1	7.7	332
-10.29	8.1	7.8	342
-11.22	8.1	7.8	339
-12.30	8.1	7.8	364
-13.27	8.1	7.8	384
-13.72	8.1	7.8	414
-13.75	8.1	7.8	402
-13.77	8.1	7.8	395
-13.82	8.1	7.8	397
-13.84	8.1	7.8	406
Depth Avg	**8.2**	**7.3**	**241**



Siltprofiler

Date & Time [MET]:	12/3/2008 19:18
Time after/before HT [MET]:	0:58
Coordinates [UTM-ED50] Easting:	588850
Coordinates [UTM-ED50] Northing:	5684498
Water-Bottom Interface Siltpr. [m TAW]:	-14.11
Waterdepth 210 kHz Echo [m TAW]:	-14.30
Waterdepth 33 kHz Echo [m TAW]:	-14.78
Surface Elevation [m TAW]:	6.04

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.75	8.3	4.9	177
5.15	8.3	6.2	36
4.27	8.3	6.2	39
3.25	8.3	6.2	41
2.18	8.4	6.2	38
1.11	8.4	6.6	83
-0.03	8.3	6.9	102
-1.14	8.3	7.2	178
-2.32	8.3	7.3	189
-3.36	8.3	7.5	207
-4.39	8.2	7.7	195
-5.44	8.2	7.8	217
-6.53	8.2	7.8	188
-7.68	8.2	7.9	168
-8.87	8.2	7.9	142
-9.85	8.1	8.0	176
-10.91	8.2	8.1	175
-11.92	8.2	8.1	265
-12.89	8.1	8.1	335
-13.74	8.1	8.0	425
-14.00	8.2	8.0	459
-14.11	8.1	8.0	442
Depth Avg	**8.2**	**7.3**	**160**



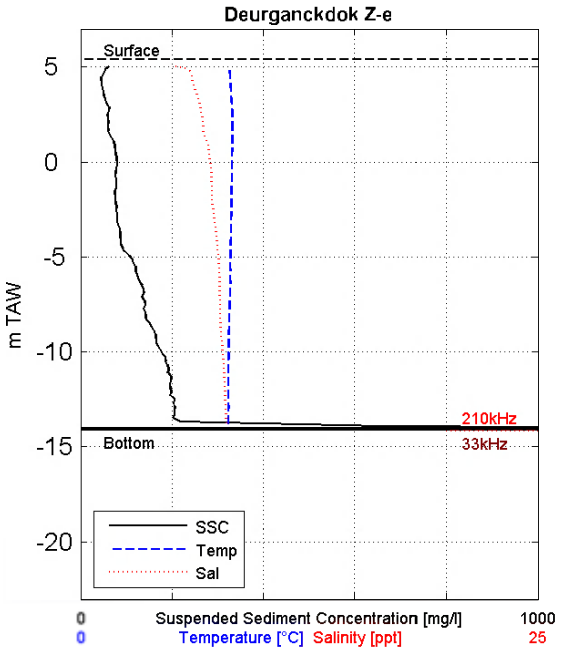
Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

Through tide measurements Siltprofiler 12 March 2008

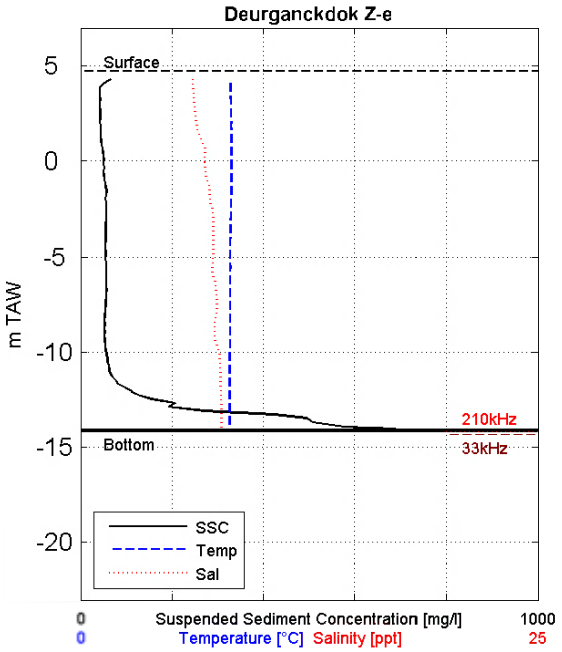
11283	Equipment(s): SiltProfiler & CTD-Diver
Sourcefile(s): 4164Ze_ctd.sil 4179Ze_ctd.sil	Location: Deurganckdok



Siltprofiler

Date & Time [MET]:	12/3/2008 20:01
Time after/before HT [MET]:	1:41
Coordinates [UTM-ED50] Easting:	588814
Coordinates [UTM-ED50] Northing:	5684480
Water-Bottom Interface Siltpr. [m TAW]:	-14.09
Waterdepth 210 kHz Echo [m TAW]:	-14.19
Waterdepth 33 kHz Echo [m TAW]:	-14.15
Surface Elevation [m TAW]:	5.39

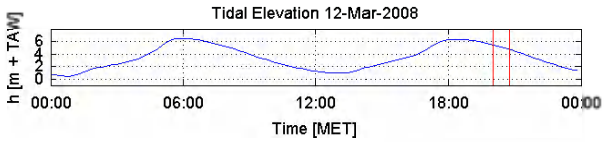
Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
5.01	8.1	5.2	60
4.19	8.1	6.1	41
3.22	8.2	6.5	55
2.18	8.3	6.7	59
1.21	8.3	6.8	70
0.60	8.3	7.0	75
-0.06	8.3	7.1	80
-0.87	8.2	7.1	82
-1.82	8.2	7.2	75
-2.79	8.2	7.3	78
-3.58	8.2	7.4	89
-4.33	8.2	7.5	88
-5.25	8.2	7.5	112
-6.37	8.2	7.6	132
-7.42	8.1	7.6	142
-8.31	8.2	7.6	134
-9.29	8.1	7.7	163
-10.54	8.1	7.8	188
-11.63	8.1	7.9	196
-12.61	8.1	7.9	210
-13.60	8.1	8.0	203
-14.01	8.1	8.0	321
-14.09	8.1	8.0	1883
Depth Avg	**8.2**	**7.3**	**121**



Siltprofiler

Date & Time [MET]:	12/3/2008 20:45
Time after/before HT [MET]:	2:25
Coordinates [UTM-ED50] Easting:	588857
Coordinates [UTM-ED50] Northing:	5684495
Water-Bottom Interface Siltpr. [m TAW]:	-14.16
Waterdepth 210 kHz Echo [m TAW]:	-14.21
Waterdepth 33 kHz Echo [m TAW]:	-14.35
Surface Elevation [m TAW]:	4.72

Z [mTAW]	Temp [°C]	Sal [ppt]	SS [mg/l]
4.39	8.2	6.2	62
3.72	8.2	6.2	44
3.07	8.2	6.2	41
2.21	8.2	6.3	44
1.31	8.3	6.5	37
0.26	8.3	6.8	51
-0.68	8.3	6.8	51
-1.63	8.2	7.0	55
-2.59	8.2	7.2	55
-3.62	8.2	7.3	59
-4.64	8.2	7.3	52
-5.51	8.2	7.2	50
-6.37	8.2	7.4	54
-7.28	8.2	7.4	54
-8.39	8.1	7.3	52
-9.44	8.1	7.4	54
-10.40	8.2	7.6	60
-11.38	8.2	7.6	69
-12.41	8.1	7.7	145
-13.52	8.1	7.7	500
-14.03	8.1	7.7	737
-14.10	8.2	7.7	660
-14.16	8.2	7.7	684
Depth Avg	**8.2**	**7.1**	**83**



Data Processed by: IMDC

In association with :

I/RA/11283/07.091/MSA

APPENDIX G.

DEPTH AVERAGE FIGURES AND TABLES

G.1 Tables

Siltprofiles Name	*Time after HW [hh:mm]*	*Time [hh:mm MET]*	*Depth Avg*			*Top 50% Depth Avg*			*Bottom 50% Depth Avg*		
			Temp [°C]	*Sal [ppt]*	*SS Conc [mg/l]*	*Temp [°C]*	*Sal [ppt]*	*SS Conc [mg/l]*	*Temp [°C]*	*Sal [ppt]*	*SS Conc [mg/l]*
4001Xa	02:05	08:05	8.0	7.5	123	7.9	6.9	93	8.1	8.0	154
4020Xa	03:30	09:30	8.3	7.1	108	8.3	6.9	81	8.2	7.4	134
4035Xa	04:47	10:47	8.3	6.8	185	8.3	6.7	160	8.3	6.9	210
4051Xa	05:48	11:48	8.3	6.7	87	8.3	6.4	127	8.3	6.9	46
4066Xa	-04:59	13:20	8.2	5.4	128	8.2	5.1	143	8.3	5.8	111
4081Xa	-04:00	14:19	8.2	5.8	153	8.2	4.9	129	8.2	6.8	178
4097Xa	-02:41	15:38	8.2	6.3	146	8.2	5.8	136	8.3	6.7	155
4112Xa	-01:40	16:39	8.3	6.8	162	8.4	6.5	106	8.3	7.1	218
4127Xa	-00:45	17:34	8.5	6.7	112	8.6	6.4	65	8.5	7.1	160
4143Xa	00:29	18:49	8.1	7.3	264	8.0	7.3	166	8.2	7.4	364
4158Xa	01:24	19:44	8.1	7.4	246	8.1	7.0	129	8.1	7.7	363
4173Xa	02:07	20:27	8.2	7.2	89	8.3	6.9	71	8.2	7.6	107
AVERAGE			**8.2**	**6.8**	**150**	**8.2**	**6.4**	**117**	**8.3**	**7.1**	**183**
4002Xb	02:10	08:10	8.2	7.3	110	8.3	6.9	73	8.2	7.8	148
4019Xb	03:26	09:26	8.2	7.1	104	8.2	7.0	77	8.2	7.3	131
4034Xb	04:43	10:43	8.3	6.9	85	8.3	6.8	114	8.3	7.0	56
4050Xb	05:46	11:46	8.3	6.2	152	8.4	6.0	175	8.3	6.4	129
4065Xb	-05:01	13:18	8.1	5.2	159	8.0	4.9	154	8.2	5.5	163
4080Xb	-04:04	14:15	8.2	5.6	144	8.2	4.8	125	8.2	6.3	163
4096Xb	-02:44	15:35	8.1	6.3	148	8.0	5.9	155	8.2	6.7	141
4111Xb	-01:44	16:35	8.1	6.9	117	7.9	6.6	82	8.2	7.3	153
4126Xb	-00:48	17:31	8.4	6.8	118	8.3	6.6	78	8.4	7.0	158

Siltprofiles			*Depth Avg*			*Top 50% Depth Avg*			*Bottom 50% Depth Avg*		
Name	*Time after HW*	*Time*	*Temp*	*Sal*	*SS Conc*	*Temp*	*Sal*	*SS Conc*	*Temp*	*Sal*	*SS Conc*
	[hh:mm]	*[hh:mm MET]*	*[°C]*	*[ppt]*	*[mg/l]*	*[°C]*	*[ppt]*	*[mg/l]*	*[°C]*	*[ppt]*	*[mg/l]*
4142Xb	00:25	18:45	8.3	7.1	216	8.3	7.0	160	8.3	7.2	273
4157Xb	01:22	19:42	8.2	7.3	172	8.2	6.8	75	8.2	7.7	269
4172Xb	02:05	20:25	8.2	7.2	87	8.2	6.8	65	8.2	7.6	109
AVERAGE			**8.2**	**6.7**	**134**	**8.2**	**6.3**	**111**	**8.2**	**7.0**	**158**
4003Xc	02:16	08:16	8.2	7.5	156	8.2	6.9	109	8.1	8.0	204
4018Xc	03:23	09:23	8.2	7.1	129	8.2	7.0	114	8.2	7.2	145
4033Xc	04:41	10:41	8.3	6.9	81	8.3	6.9	85	8.3	7.0	77
4049Xc	05:43	11:43	8.3	6.1	172	8.3	5.9	199	8.3	6.2	146
4064Xc	-05:03	13:16	8.1	5.1	177	8.0	4.9	173	8.2	5.3	180
4079Xc	-04:09	14:10	8.2	5.3	182	8.2	4.8	129	8.2	5.9	234
4095Xc	-02:47	15:32	8.6	6.2	221	8.8	5.8	236	8.5	6.5	207
4110Xc	-01:47	16:32	8.3	6.8	166	8.2	6.5	147	8.3	7.1	184
4125Xc	-00:50	17:29	8.5	6.8	235	8.5	6.6	212	8.5	6.9	258
4141Xc	00:21	18:41	8.1	7.1	292	8.1	6.9	156	8.2	7.3	429
4156Xc	01:20	19:40	8.1	7.5	145	8.0	7.2	106	8.1	7.8	185
4171Xc	02:02	20:22	7.9	7.5	110	7.8	7.3	73	8.0	7.8	145
AVERAGE			**8.2**	**6.7**	**172**	**8.2**	**6.4**	**145**	**8.2**	**6.9**	**200**
4004Xd	02:21	08:21	8.1	7.6	200	8.1	7.3	93	8.1	8.0	307
4017Xd	03:20	09:20	8.2	6.9	119	8.2	6.9	109	8.3	6.9	129
4032Xd	04:37	10:37	8.3	6.9	88	8.3	6.9	85	8.3	6.9	91
4048Xd	05:39	11:39	8.3	6.0	178	8.3	5.7	195	8.3	6.2	160
4063Xd	-05:07	13:12	8.2	5.0	181	8.2	4.9	175	8.2	5.1	187
4078Xd	-04:12	14:07	8.2	5.3	185	8.2	4.8	132	8.2	5.7	238
4094Xd	-02:49	15:30	8.9	6.2	286	9.0	5.9	242	8.8	6.6	329
4109Xd	-01:50	16:29	8.6	6.7	161	8.6	6.6	149	8.6	6.9	173

Siltprofiles			Depth Avg			Top 50% Depth Avg			Bottom 50% Depth Avg		
Name	Time after HW	Time	Temp	Sal	SS Conc	Temp	Sal	SS Conc	Temp	Sal	SS Conc
	[hh:mm]	[hh:mm MET]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]
4124Xd	-00:53	17:26	8.6	6.6	248	8.6	6.6	210	8.6	6.7	286
4140Xd	00:16	18:36	8.1	7.4	272	8.1	7.0	190	8.2	7.7	354
4155Xd	01:18	19:38	8.2	7.6	201	8.3	7.3	191	8.2	7.9	212
4170Xd	02:00	20:20	8.0	7.6	130	7.9	7.2	74	8.0	7.9	186
AVERAGE			**8.3**	**6.7**	**187**	**8.3**	**6.4**	**154**	**8.3**	**6.9**	**221**
4005Xe	02:25	08:25	8.2	7.6	303	8.2	7.4	135	8.2	7.8	469
4016Xe	03:16	09:16	8.2	7.0	136	8.2	6.9	112	8.3	7.1	160
4031Xe	04:28	10:28	8.3	6.6	163	8.3	6.6	166	8.3	6.7	159
4047Xe	05:37	11:37	8.1	5.8	217	8.0	5.4	221	8.3	6.1	213
4062Xe	-05:09	13:10	8.2	4.9	211	8.2	4.8	185	8.2	5.1	237
4077Xe	-04:17	14:02	8.2	5.1	193	8.2	4.7	124	8.2	5.4	262
4093Xe	-02:52	15:27	8.8	6.1	277	8.5	5.8	163	9.0	6.4	389
4108Xe	-01:54	16:25	8.6	6.6	223	8.6	6.5	146	8.6	6.6	298
4123Xe	-00:56	17:23	8.4	6.8	276	8.5	6.7	223	8.3	6.9	328
4139Xe	00:11	18:31	8.0	7.5	274	7.9	7.2	232	8.1	7.8	316
4154Xe	01:16	19:36	8.2	7.5	165	8.3	7.1	136	8.2	7.9	195
4169Xe	01:57	20:17	8.0	7.7	119	8.0	7.4	67	8.0	8.0	172
AVERAGE			**8.3**	**6.6**	**213**	**8.2**	**6.4**	**159**	**8.3**	**6.8**	**267**
4010Ya	02:47	08:47	8.1	7.1	93	8.0	6.8	59	8.2	7.4	127
4025Ya	03:56	09:56	8.3	7.0	102	8.3	6.8	55	8.2	7.2	149
4040Ya	05:09	11:09	8.2	7.0	66	8.2	6.9	81	8.2	7.2	51
4056Ya	06:47	12:47	8.3	6.3	167	8.3	5.5	153	8.2	7.1	181
4071Ya	-04:41	13:38	8.2	6.0	169	8.2	5.0	147	8.2	6.9	191
4086Ya	-03:34	14:45	8.2	6.1	133	8.2	5.2	118	8.2	6.9	149
4102Ya	-02:21	15:58	8.3	6.5	133	8.4	5.9	136	8.3	7.1	130

Siltprofiles			Depth Avg			Top 50% Depth Avg			Bottom 50% Depth Avg		
Name	Time after HW	Time	Temp	Sal	SS Conc	Temp	Sal	SS Conc	Temp	Sal	SS Conc
	[hh:mm]	[hh:mm MET]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]
4117Ya	-01:19	17:00	8.5	6.7	137	8.5	6.4	97	8.4	7.1	178
4132Ya	-00:25	17:54	8.4	6.9	164	8.5	6.6	108	8.4	7.3	219
4148Ya	00:51	19:11	8.1	7.2	211	8.0	6.9	113	8.2	7.4	310
4163Ya	01:37	19:57	8.2	7.4	90	8.3	6.9	59	8.2	7.9	120
4178Ya	02:21	20:41	8.2	7.0	57	8.2	6.6	34	8.2	7.4	81
AVERAGE			**8.3**	**6.8**	**127**	**8.3**	**6.3**	**97**	**8.2**	**7.2**	**157**
4009Yb	02:44	08:44	8.2	7.0	96	8.3	6.7	63	8.2	7.3	129
4024Yb	03:50	09:50	8.3	7.0	130	8.3	6.8	68	8.2	7.2	191
4039Yb	05:05	11:05	8.3	7.0	57	8.3	6.9	60	8.3	7.1	54
4055Yb	06:45	12:45	8.3	6.1	146	8.3	5.4	170	8.3	6.8	123
4070Yb	-04:45	13:34	8.2	5.4	160	8.2	4.8	155	8.2	6.0	164
4085Yb	-03:37	14:42	8.3	5.8	183	8.3	5.1	112	8.3	6.5	257
4101Yb	-02:25	15:54	8.4	6.4	142	8.4	5.9	148	8.3	6.9	135
4116Yb	-01:23	16:56	8.3	6.7	131	8.3	6.4	100	8.4	7.1	162
4131Yb	-00:29	17:50	8.4	7.0	128	8.5	6.7	79	8.3	7.3	178
4147Yb	00:47	19:07	8.3	7.1	213	8.3	6.8	119	8.3	7.3	309
4162Yb	01:35	19:55	8.2	7.3	129	8.3	6.8	67	8.2	7.9	190
4177Yb	02:19	20:39	8.2	7.2	149	8.3	7.0	65	8.2	7.5	233
AVERAGE			**8.3**	**6.7**	**139**	**8.3**	**6.3**	**101**	**8.3**	**7.1**	**177**
4008Yc	02:40	08:40	8.0	7.1	93	7.8	6.9	63	8.1	7.3	124
4023Yc	03:46	09:46	8.3	7.0	121	8.3	7.0	109	8.2	7.1	134
4038Yc	05:01	11:01	8.3	7.0	138	8.3	6.9	55	8.3	7.0	220
4054Yc	06:43	12:43	8.2	5.7	157	8.1	5.2	165	8.3	6.3	149
4069Yc	-04:49	13:30	8.2	5.3	165	8.2	4.9	162	8.2	5.8	168
4084Yc	-03:41	14:38	8.3	5.8	181	8.3	5.3	130	8.3	6.2	230

Siltprofiles			*Depth Avg*			*Top 50% Depth Avg*			*Bottom 50% Depth Avg*		
Name	*Time after HW*	*Time*	*Temp*	*Sal*	*SS Conc*	*Temp*	*Sal*	*SS Conc*	*Temp*	*Sal*	*SS Conc*
	[hh:mm]	*[hh:mm MET]*	*[°C]*	*[ppt]*	*[mg/l]*	*[°C]*	*[ppt]*	*[mg/l]*	*[°C]*	*[ppt]*	*[mg/l]*
4100Yc	-02:27	15:52	8.3	6.6	202	8.2	6.2	200	8.4	6.9	204
4115Yc	-01:27	16:52	8.5	6.6	113	8.4	6.4	76	8.6	6.9	151
4130Yc	-00:31	17:48	8.4	6.9	174	8.4	6.7	94	8.3	7.1	254
4146Yc	00:43	19:03	8.3	7.1	250	8.3	6.7	121	8.2	7.5	379
4161Yc	01:33	19:53	8.2	7.3	126	8.3	6.7	65	8.2	7.9	187
4176Yc	02:17	20:37	8.2	7.1	90	8.2	6.9	57	8.2	7.4	122
AVERAGE			**8.3**	**6.6**	**151**	**8.2**	**6.3**	**108**	**8.3**	**7.0**	**194**
4007Yd	02:35	08:35	8.2	7.1	84	8.3	6.8	57	8.2	7.4	110
4022Yd	03:42	09:42	8.2	7.1	172	8.3	7.0	164	8.2	7.1	179
4036Yd	04:52	10:52	8.3	6.9	56	8.3	6.9	49	8.3	6.9	63
4053Yd	06:40	12:40	8.1	5.8	180	8.0	5.3	175	8.2	6.3	185
4068Yd	-04:51	13:28	8.2	4.9	183	8.2	4.7	171	8.2	5.1	195
4083Yd	-03:46	14:33	8.3	5.6	236	8.2	5.2	122	8.3	6.1	350
4099Yd	-02:30	15:49	8.7	6.3	305	8.7	6.1	253	8.8	6.6	358
4114Yd	-01:30	16:49	8.6	6.7	150	8.6	6.7	137	8.6	6.8	164
4129Yd	-00:34	17:45	8.2	6.8	146	8.1	6.6	96	8.4	7.0	196
4145Yd	00:40	19:00	8.2	7.3	286	8.3	7.0	184	8.2	7.7	388
4160Yd	01:30	19:50	8.2	7.4	147	8.3	6.9	89	8.2	7.9	206
4175Yd	02:14	20:34	8.2	7.4	202	8.2	7.1	60	8.2	7.6	342
AVERAGE			**8.3**	**6.6**	**179**	**8.3**	**6.4**	**130**	**8.3**	**6.9**	**228**
4006Ye	02:32	08:32	8.2	7.3	127	8.2	6.8	64	8.2	7.7	191
4021Ye	03:38	09:38	8.2	6.9	134	8.2	6.9	117	8.3	7.0	150
4037Ye	04:55	10:55	8.3	6.8	91	8.3	6.7	104	8.3	6.8	78
4052Ye	05:55	11:55	8.3	5.8	159	8.3	5.6	174	8.3	6.1	145
4067Ye	-04:55	13:24	8.2	5.1	179	8.2	4.7	168	8.2	5.4	191

Siltprofiles			Depth Avg			Top 50% Depth Avg			Bottom 50% Depth Avg		
Name	Time after HW	Time	Temp	Sal	SS Conc	Temp	Sal	SS Conc	Temp	Sal	SS Conc
	[hh:mm]	[hh:mm MET]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]
4082Ye	-03:55	14:24	8.2	5.5	237	8.2	5.2	134	8.3	5.8	340
4098Ye	-02:34	15:45	8.8	6.5	360	8.7	6.4	206	8.9	6.6	513
4113Ye	-01:34	16:45	8.5	6.6	154	8.4	6.6	130	8.6	6.7	179
4128Ye	-00:39	17:40	8.1	7.1	246	8.1	7.0	189	8.2	7.3	304
4144Ye	00:36	18:56	8.0	7.6	249	7.9	7.2	194	8.1	8.0	305
4159Ye	01:28	19:48	8.2	7.5	151	8.3	7.1	107	8.2	7.9	195
4174Ye	02:12	20:32	8.2	7.3	159	8.2	6.9	61	8.1	7.7	257
AVERAGE			**8.3**	**6.7**	**187**	**8.3**	**6.4**	**137**	**8.3**	**6.9**	**237**
4015Za	03:09	09:09	8.2	7.0	73	8.2	6.7	47	8.2	7.3	100
4030Za	04:22	10:22	8.2	7.1	48	8.1	7.0	44	8.2	7.3	53
4045Za	05:26	11:26	8.3	7.1	59	8.3	7.0	58	8.2	7.3	60
4061Za	-05:16	13:03	8.3	6.4	141	8.3	5.7	143	8.3	7.1	140
4076Za	-04:24	13:55	8.2	6.0	222	8.2	5.0	141	8.2	7.1	303
4091Za	-03:10	15:09	8.3	6.0	139	8.3	5.5	135	8.3	6.4	142
4107Za	-02:02	16:17	8.5	6.6	171	8.4	6.1	138	8.5	7.1	204
4122Za	-01:02	17:17	8.6	6.7	145	8.6	6.5	119	8.5	6.9	171
4137Za	-00:07	18:12	8.3	7.1	310	8.4	6.8	195	8.2	7.4	425
4153Za	01:10	19:30	8.3	7.3	122	8.4	6.8	62	8.2	7.7	181
4168Za	01:50	20:10	8.3	7.0	69	8.3	6.6	33	8.3	7.3	104
4183Za	02:34	20:54	8.2	7.0	79	8.2	6.6	49	8.2	7.4	109
AVERAGE			**8.3**	**6.8**	**132**	**8.3**	**6.4**	**97**	**8.3**	**7.2**	**166**
4014Zb	03:05	09:05	8.3	6.9	75	8.3	6.6	45	8.2	7.2	104
4029Zb	04:17	10:17	8.3	6.9	54	8.3	6.8	43	8.3	7.0	64
4044Zb	05:24	11:24	8.3	7.0	56	8.3	6.9	46	8.2	7.1	65
4060Zb	-05:18	13:01	8.1	6.1	138	8.1	5.2	174	8.2	6.9	103

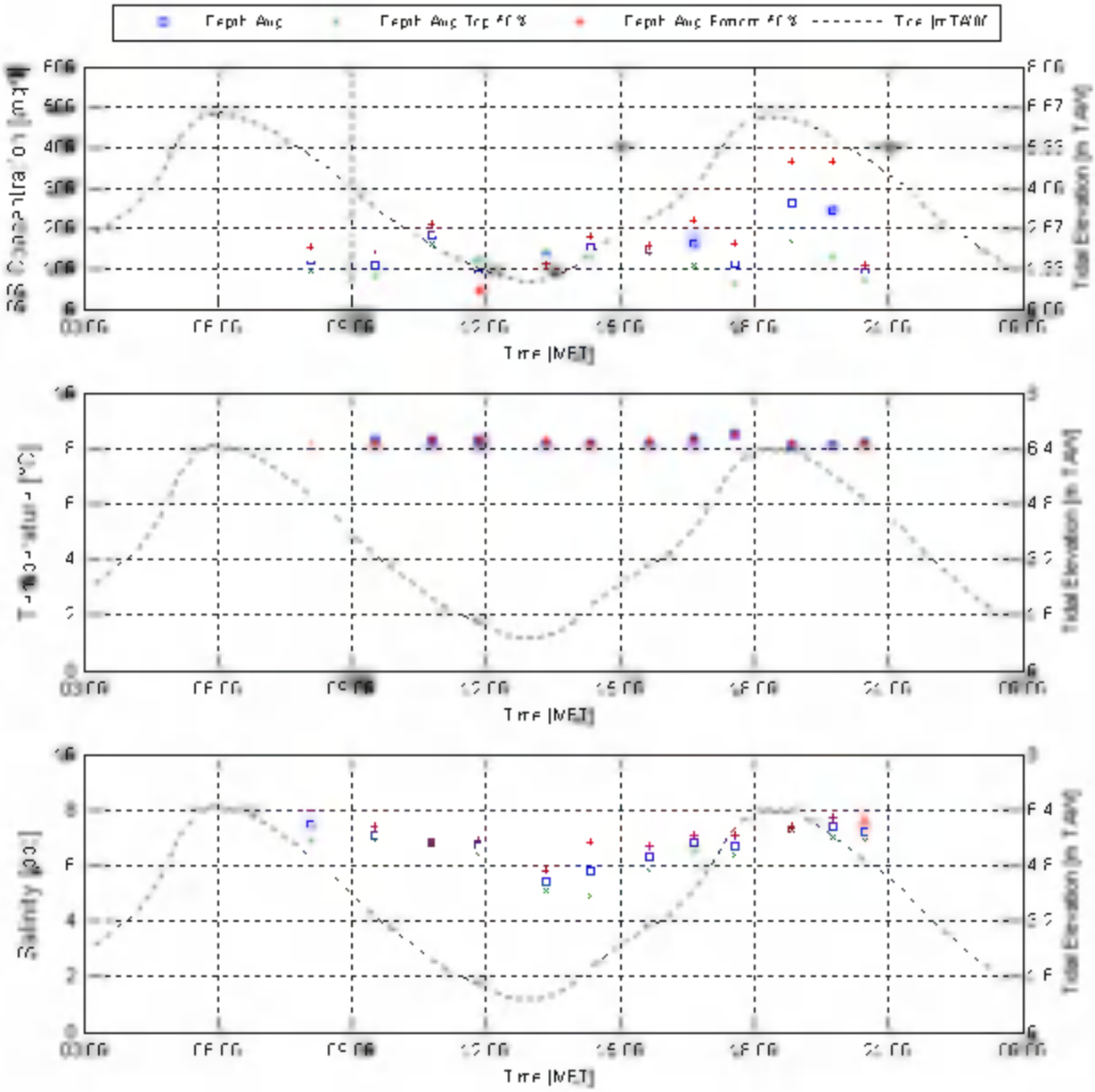
Siltprofiles			Depth Avg			Top 50% Depth Avg			Bottom 50% Depth Avg		
Name	Time after HW	Time	Temp	Sal	SS Conc	Temp	Sal	SS Conc	Temp	Sal	SS Conc
	[hh:mm]	[hh:mm MET]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]
4075Zb	-04:27	13:52	8.2	5.5	137	8.2	4.7	139	8.3	6.2	135
4090Zb	-03:13	15:06	8.3	5.8	148	8.3	5.6	138	8.3	6.1	159
4106Zb	-02:05	16:14	8.4	6.6	170	8.3	6.2	142	8.5	7.0	198
4121Zb	-01:05	17:14	8.5	6.7	118	8.6	6.5	101	8.5	7.0	134
4136Zb	-00:10	18:09	8.1	7.1	246	8.0	6.9	167	8.2	7.4	324
4152Zb	01:07	19:27	8.3	7.3	175	8.4	6.7	81	8.2	7.9	268
4167Zb	01:48	20:08	8.3	7.0	83	8.3	6.6	52	8.2	7.3	116
4182Zb	02:32	20:52	8.2	7.0	144	8.2	6.6	51	8.2	7.4	238
AVERAGE			**8.3**	**6.7**	**129**	**8.3**	**6.3**	**98**	**8.3**	**7.0**	**159**
4013Zc	03:01	09:01	8.2	6.9	67	8.3	6.6	37	8.2	7.1	97
4028Zc	04:12	10:12	8.3	6.9	54	8.3	6.8	48	8.3	6.9	61
4043Zc	05:21	11:21	8.3	7.0	54	8.3	6.9	54	8.3	7.0	53
4059Zc	06:59	12:59	8.2	6.0	176	8.2	5.1	169	8.2	6.8	183
4074Zc	-04:30	13:49	8.2	5.3	136	8.2	4.6	135	8.2	6.0	136
4089Zc	-03:17	15:02	8.3	6.0	142	8.3	5.6	123	8.3	6.3	161
4105Zc	-02:08	16:11	8.4	6.5	148	8.4	5.9	117	8.4	7.1	178
4120Zc	-01:08	17:12	8.5	6.8	144	8.5	6.6	133	8.5	6.9	155
4135Zc	-00:13	18:06	8.4	7.0	182	8.6	6.7	101	8.3	7.2	263
4151Zc	01:05	19:25	8.3	7.4	193	8.4	6.9	118	8.2	7.9	268
4166Zc	01:46	20:06	8.2	7.1	75	8.2	6.7	44	8.1	7.6	107
4181Zc	02:29	20:49	8.2	7.0	82	8.3	6.7	50	8.2	7.3	115
AVERAGE			**8.3**	**6.7**	**121**	**8.3**	**6.3**	**94**	**8.3**	**7.0**	**148**
4012Zd	02:58	08:58	8.2	6.9	85	8.2	6.7	56	8.2	7.2	114
4027Zd	04:06	10:06	8.3	6.8	116	8.3	6.6	101	8.3	6.9	131
4042zd	05:19	11:19	8.3	6.6	127	8.4	6.3	186	8.3	6.8	69

Siltprofiles			Depth Avg			Top 50% Depth Avg			Bottom 50% Depth Avg		
Name	Time after HW	Time	Temp	Sal	SS Conc	Temp	Sal	SS Conc	Temp	Sal	SS Conc
	[hh:mm]	[hh:mm MET]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]	[°C]	[ppt]	[mg/l]
4058Zd	06:57	12:57	8.3	5.7	142	8.3	4.9	157	8.3	6.6	127
4073Zd	-04:33	13:46	8.2	5.3	148	8.2	4.6	146	8.2	6.1	150
4088Zd	-03:23	14:56	8.3	5.9	153	8.3	5.5	117	8.3	6.3	190
4104Zd	-02:10	16:09	8.4	6.6	158	8.4	6.3	139	8.5	7.0	177
4119Zd	-01:10	17:09	8.7	6.7	162	8.7	6.6	146	8.7	6.7	179
4134Zd	-00:16	18:03	8.3	7.2	214	8.4	6.8	125	8.2	7.5	302
4150Zd	01:02	19:22	8.2	7.5	213	8.3	7.1	167	8.2	7.9	259
4165Zd	01:43	20:03	8.2	7.3	110	8.2	6.8	69	8.1	7.7	151
4180Zd	02:27	20:47	8.2	7.0	78	8.2	6.6	34	8.2	7.5	122
AVERAGE			**8.3**	**6.6**	**142**	**8.3**	**6.2**	**120**	**8.3**	**7.0**	**164**
4011Ze	02:54	08:54	8.2	7.1	102	8.2	6.7	61	8.2	7.4	143
4026Ze	04:02	10:02	8.3	6.8	200	8.3	6.8	193	8.3	6.8	207
4041Ze	05:15	11:15	8.3	6.3	182	8.2	6.1	207	8.3	6.5	158
4057Ze	06:54	12:54	8.2	5.6	179	8.2	5.0	186	8.3	6.3	171
4072Ze	-04:37	13:42	8.2	5.2	161	8.1	4.6	153	8.2	5.9	169
4087Ze	-03:26	14:53	8.3	5.7	162	8.3	5.3	89	8.3	6.1	236
4103Ze	-02:13	16:06	8.5	6.7	211	8.5	6.5	150	8.5	6.9	273
4118Ze	-01:13	17:06	8.5	6.6	153	8.5	6.6	130	8.6	6.6	177
4133Ze	-00:19	18:00	8.2	7.3	241	8.1	6.9	172	8.2	7.6	309
4149Ze	00:58	19:18	8.2	7.3	160	8.3	6.7	104	8.2	7.9	217
4164Ze	01:41	20:01	8.2	7.3	121	8.2	6.8	69	8.1	7.7	174
4179Ze	02:25	20:45	8.2	7.1	83	8.2	6.7	50	8.2	7.5	116
AVERAGE			**8.3**	**6.6**	**163**	**8.3**	**6.2**	**130**	**8.3**	**6.9**	**196**

G.2 Figures

Through tide measurements Siltprofiler 12 March 2008

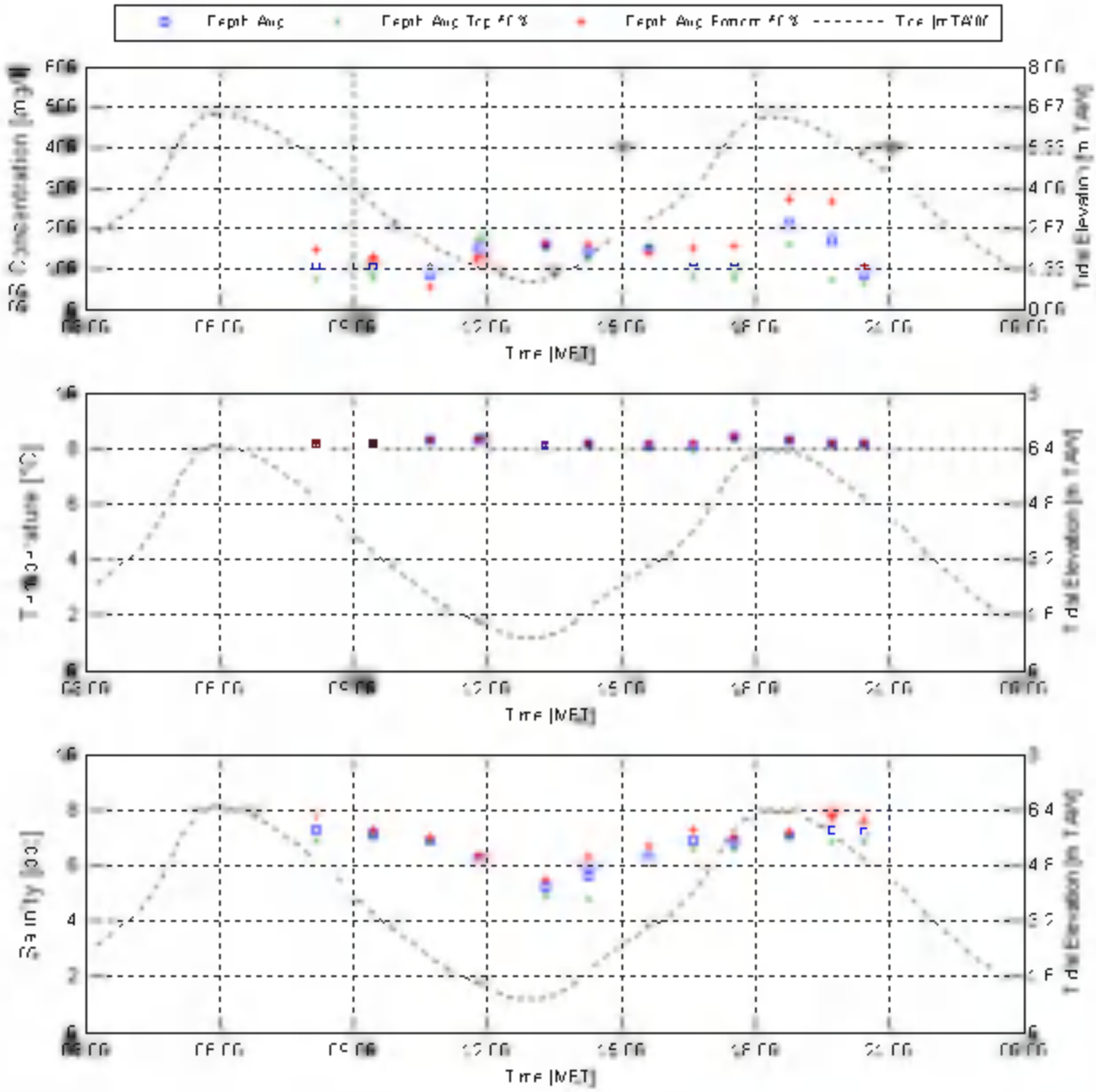
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Xa



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

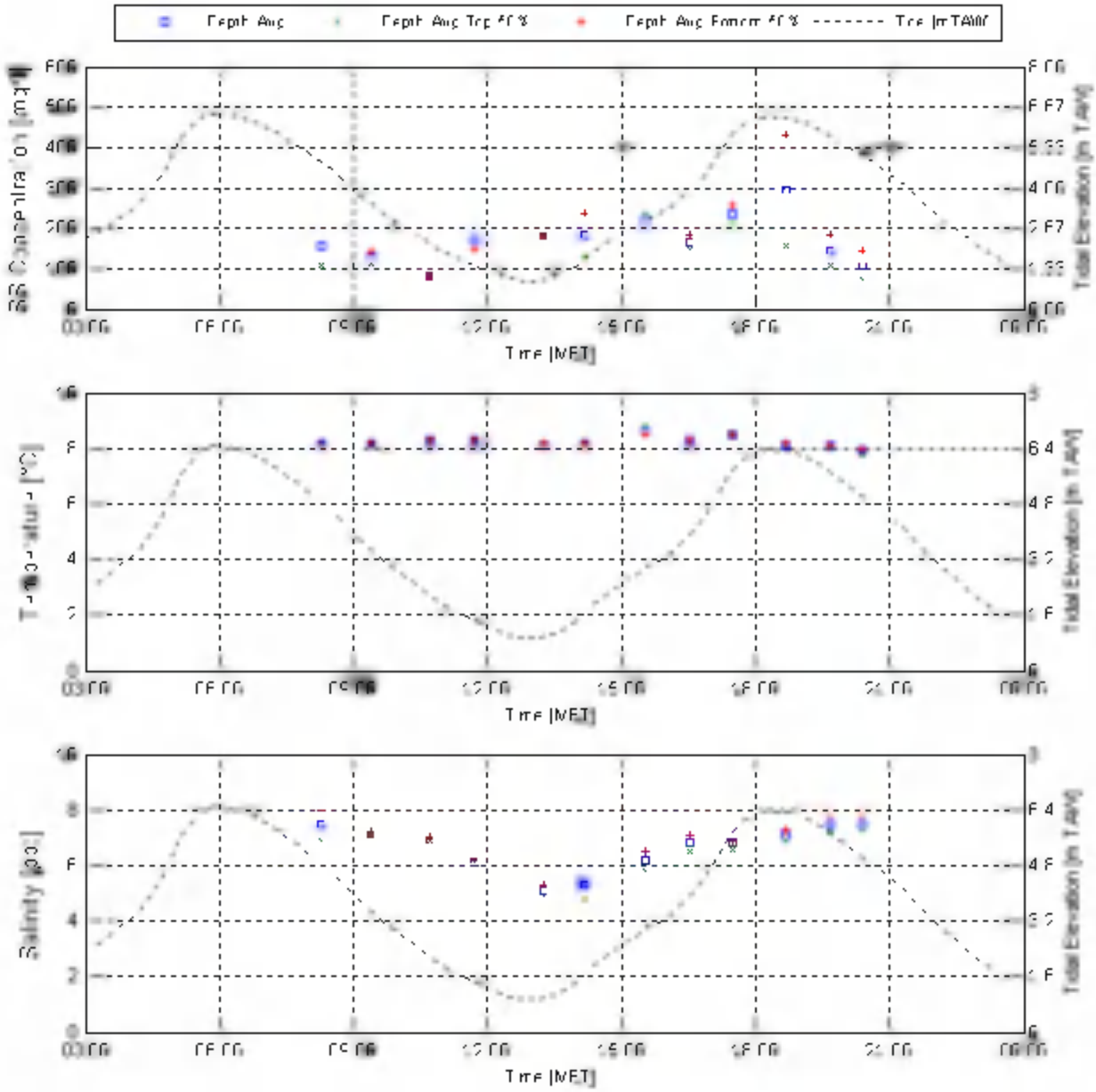
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Xb



Date: 12-Mar-2008	Data Processed by: IMDC in association with: IRA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

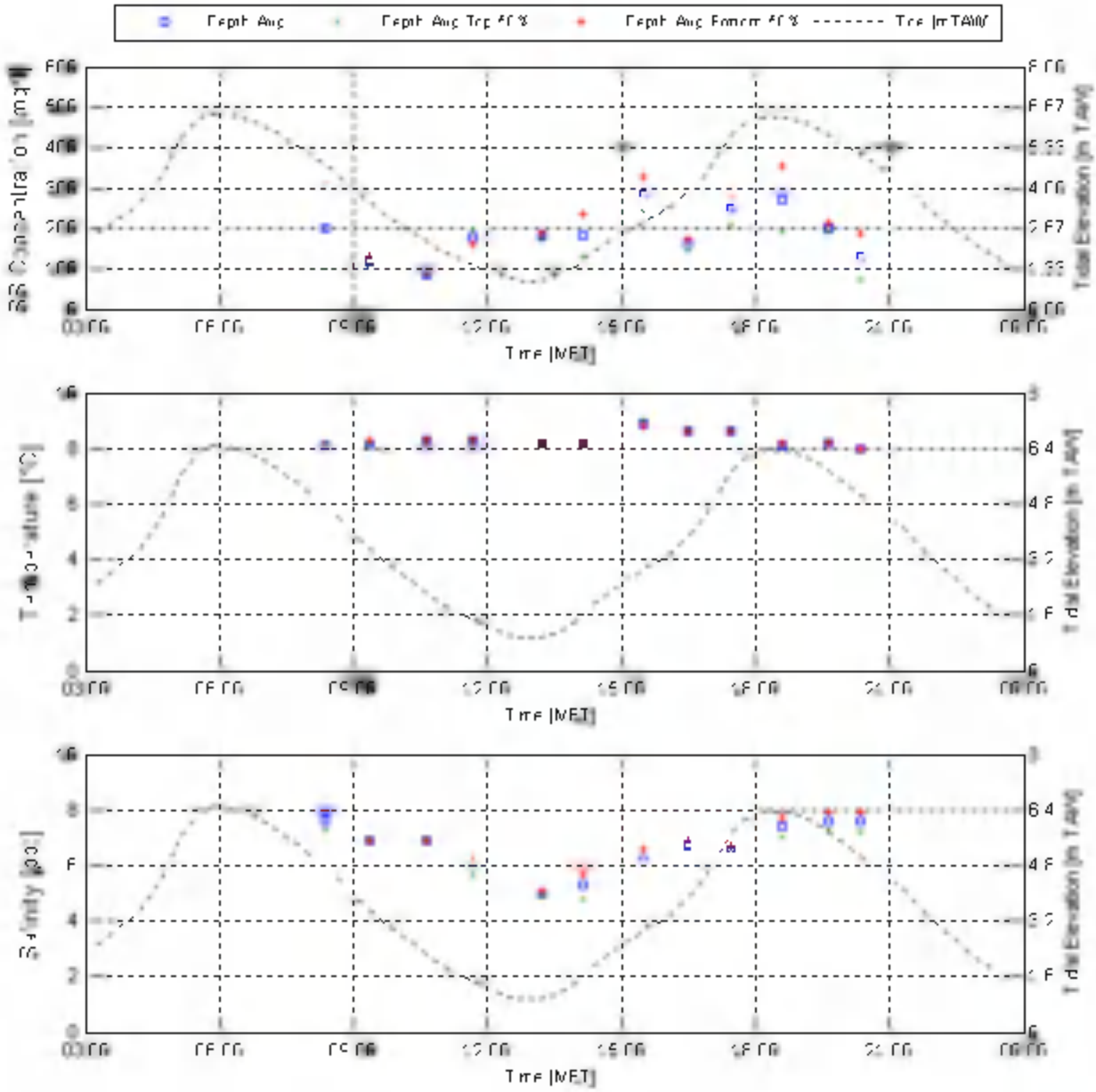
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Xe



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

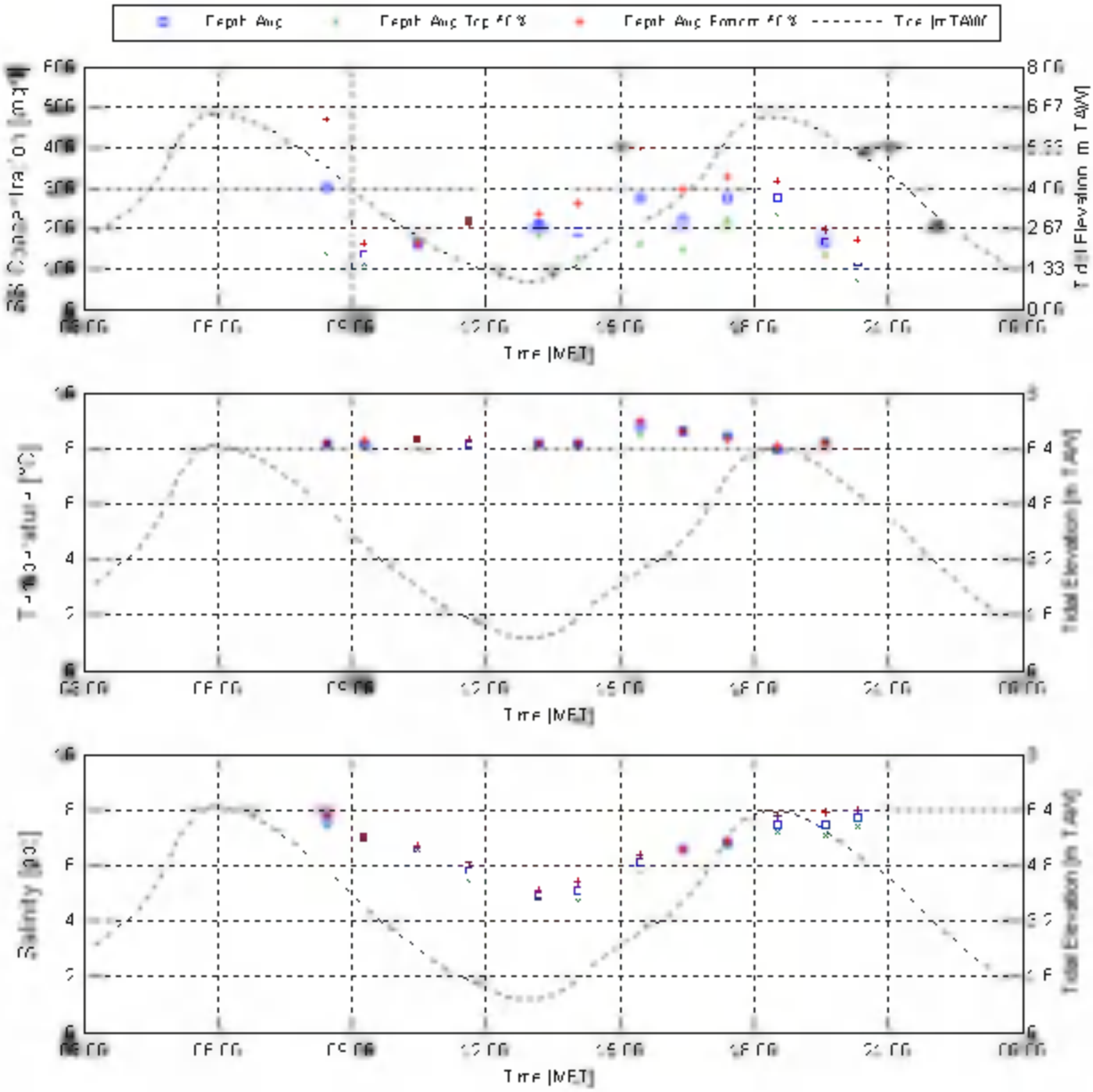
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckdok - Xe



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

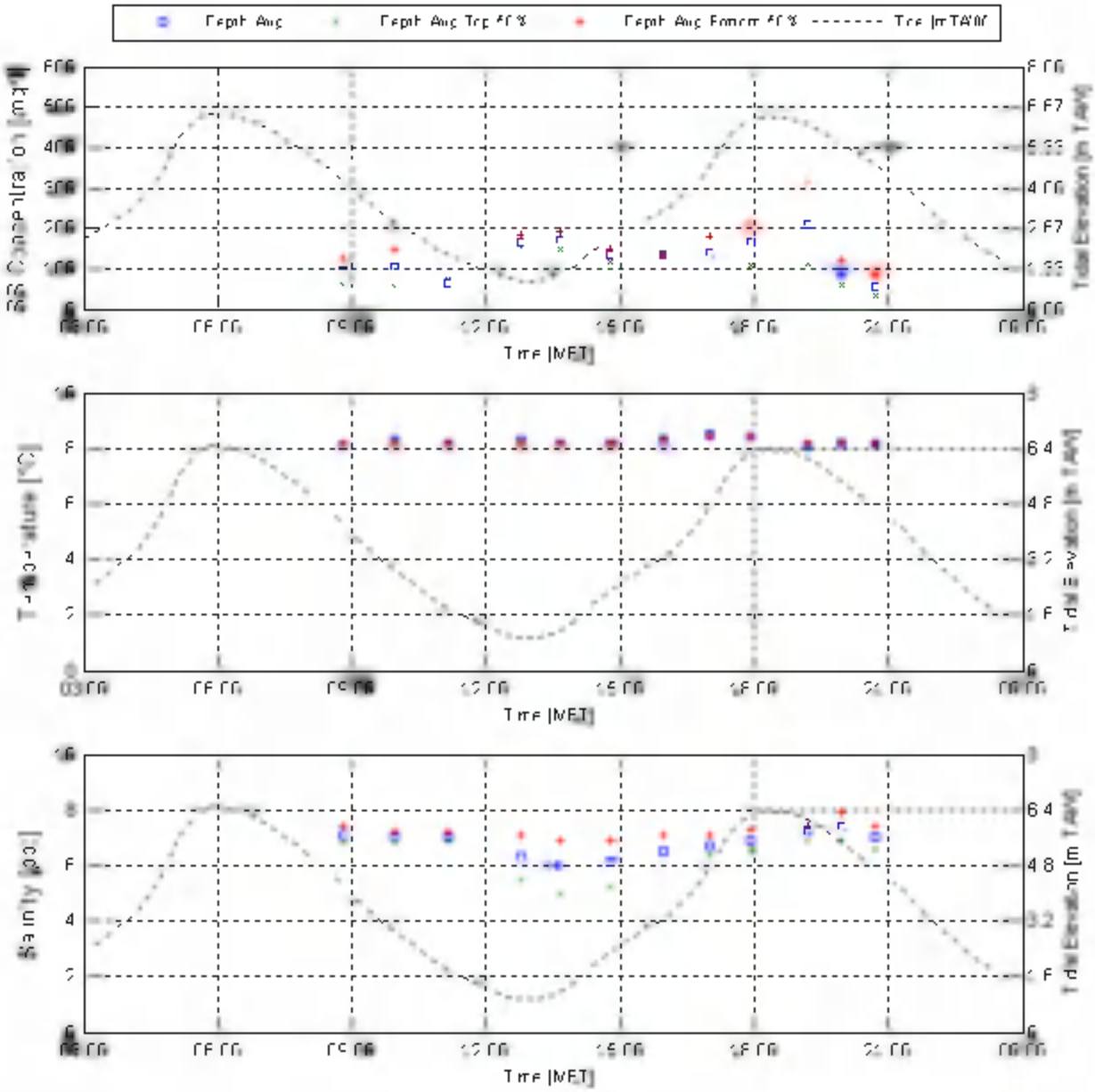
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Xe



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

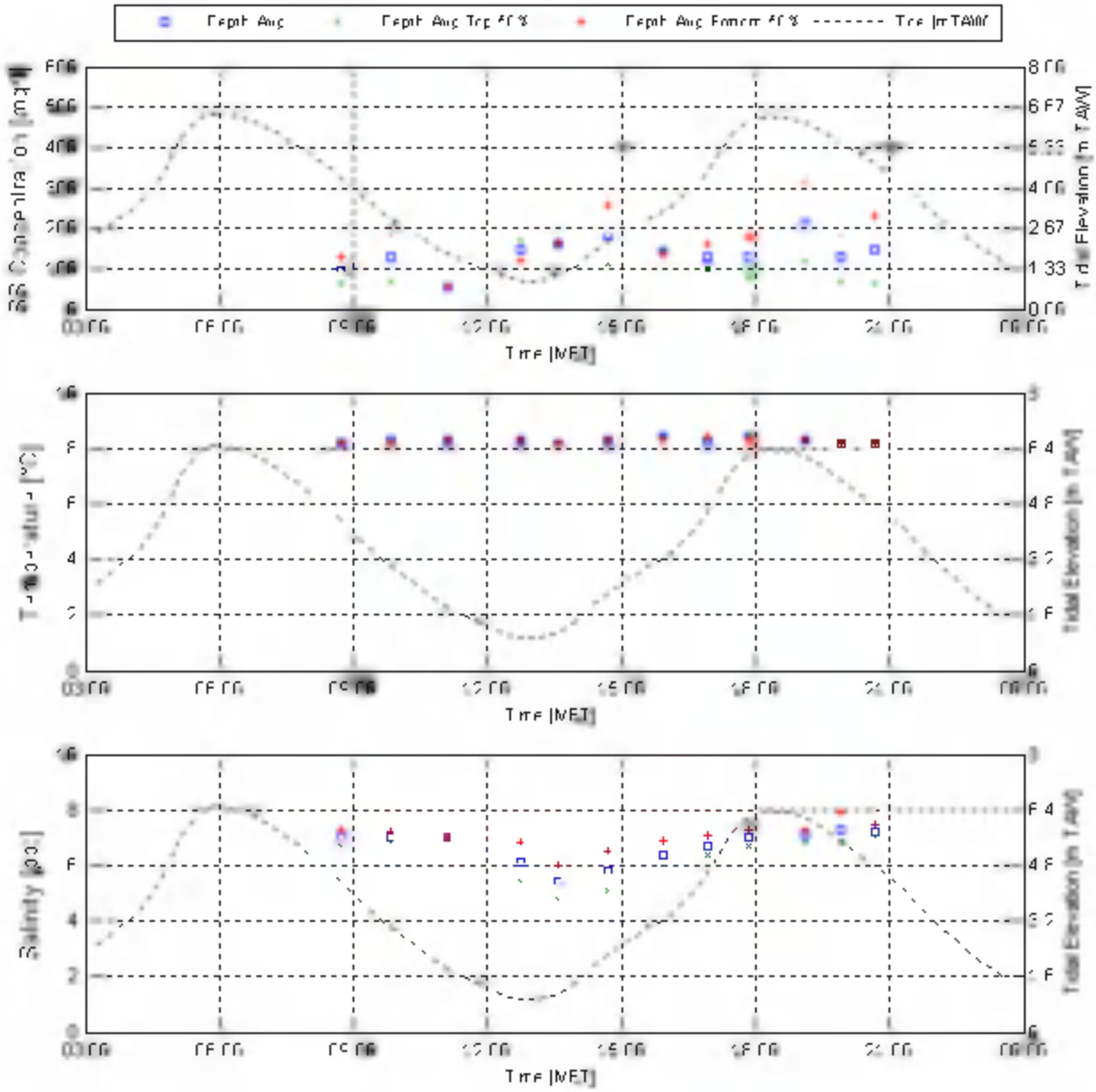
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Ya



Date: 12-Mar-2008	Data Processed by: IMDC in association with: IRA/11283/07.051 MSA

Through tide measurements Siltprofiler 12 March 2008

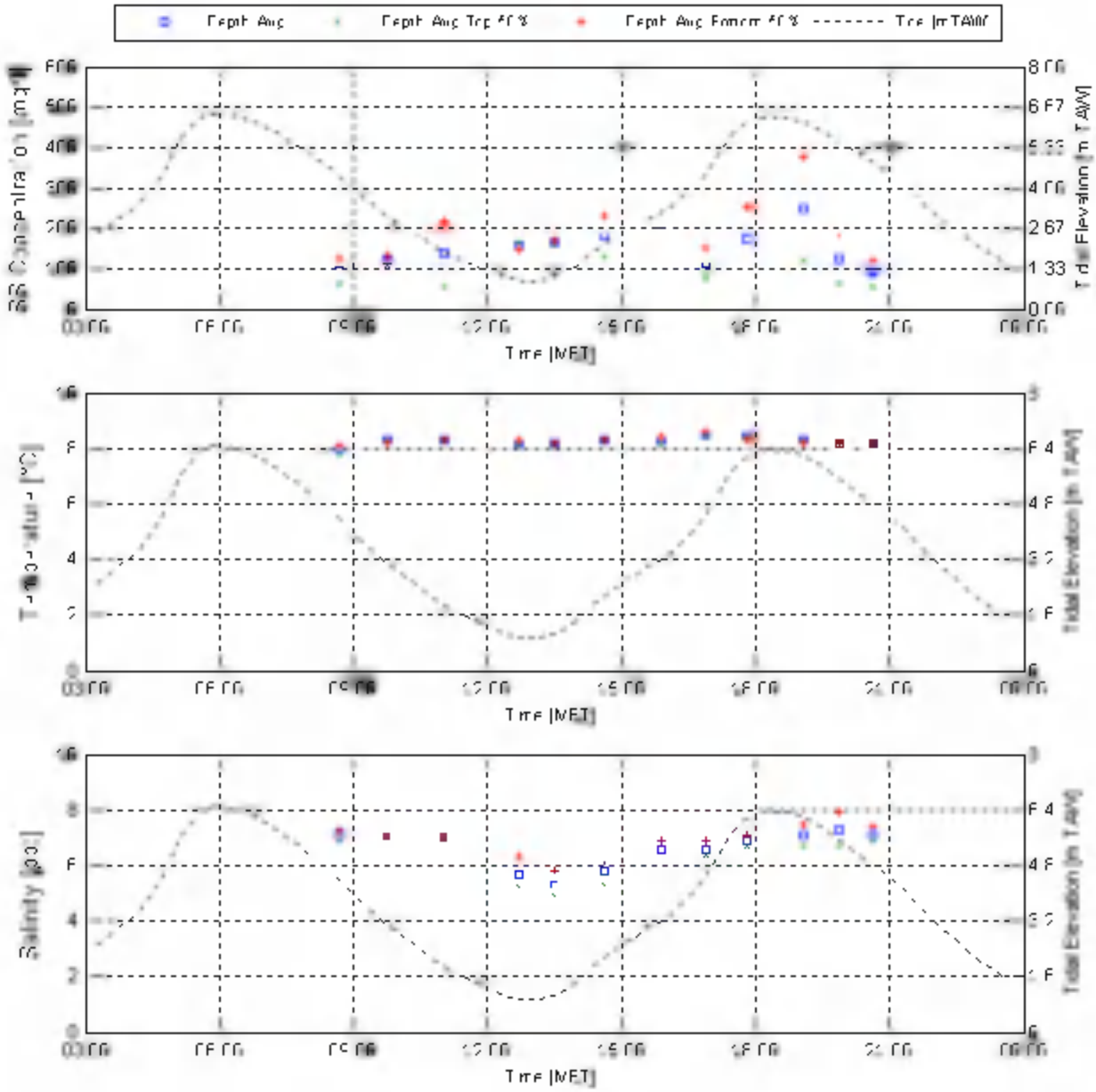
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Yb



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

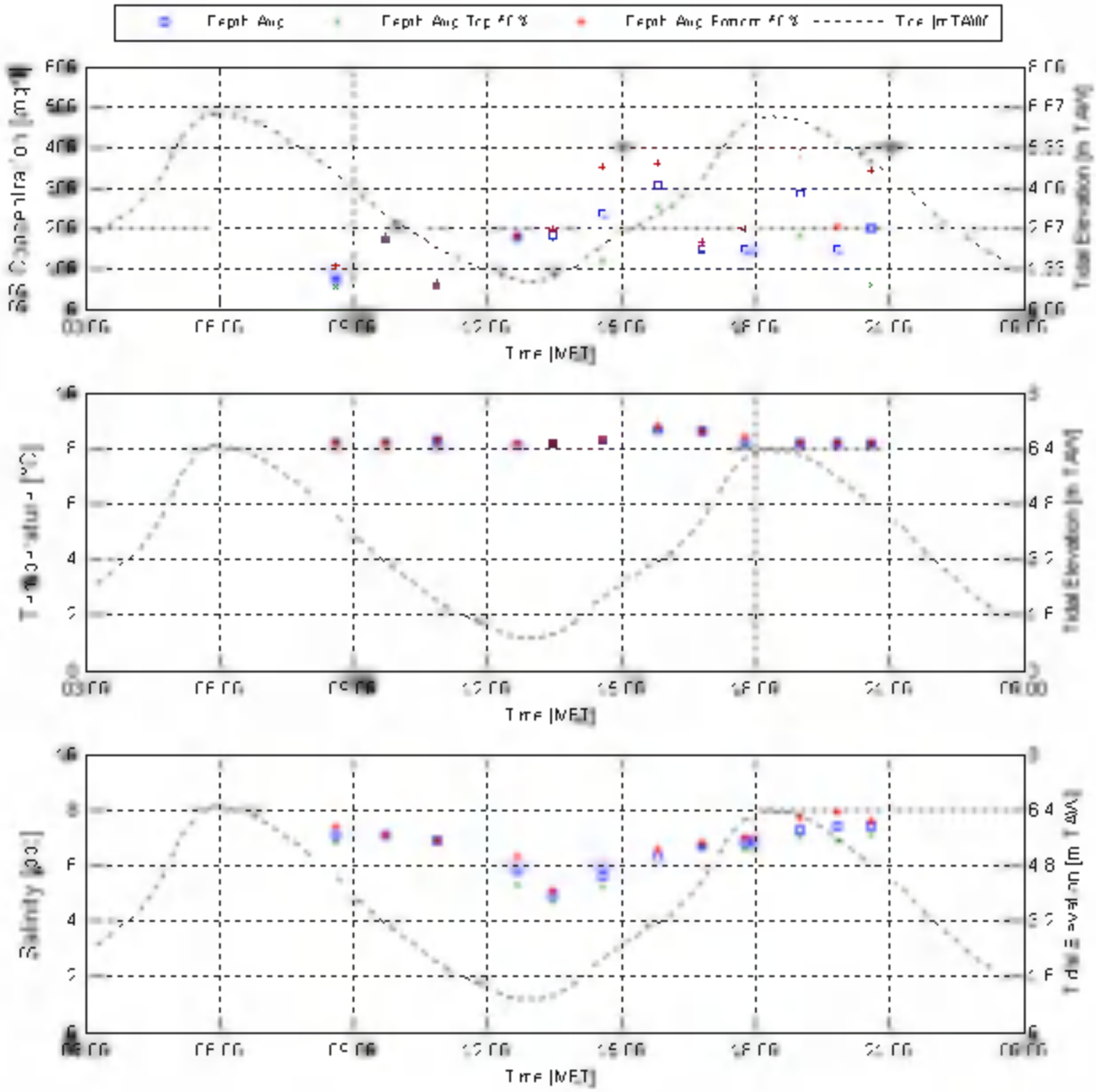
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckdok - Yo



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

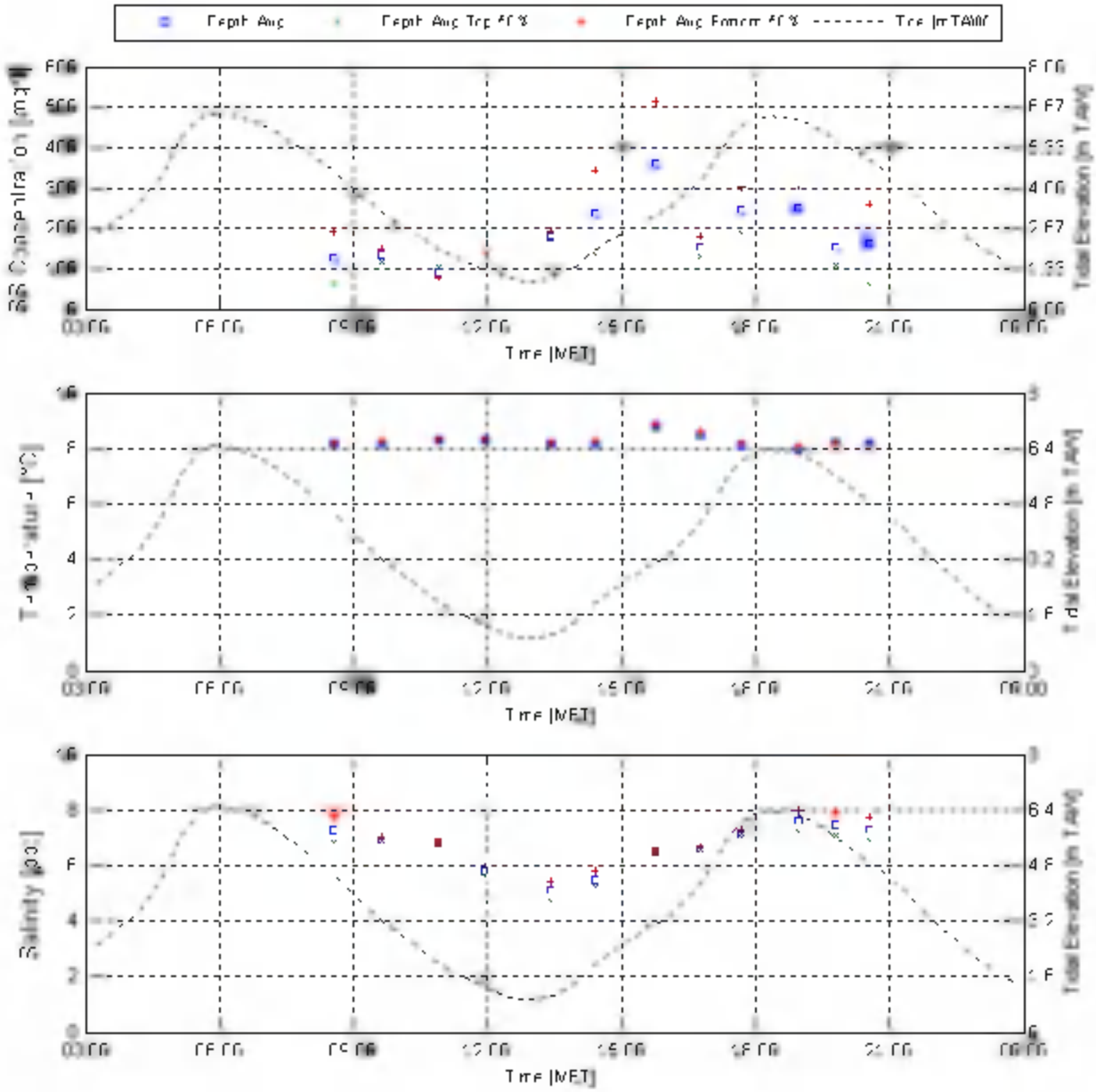
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Yo



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

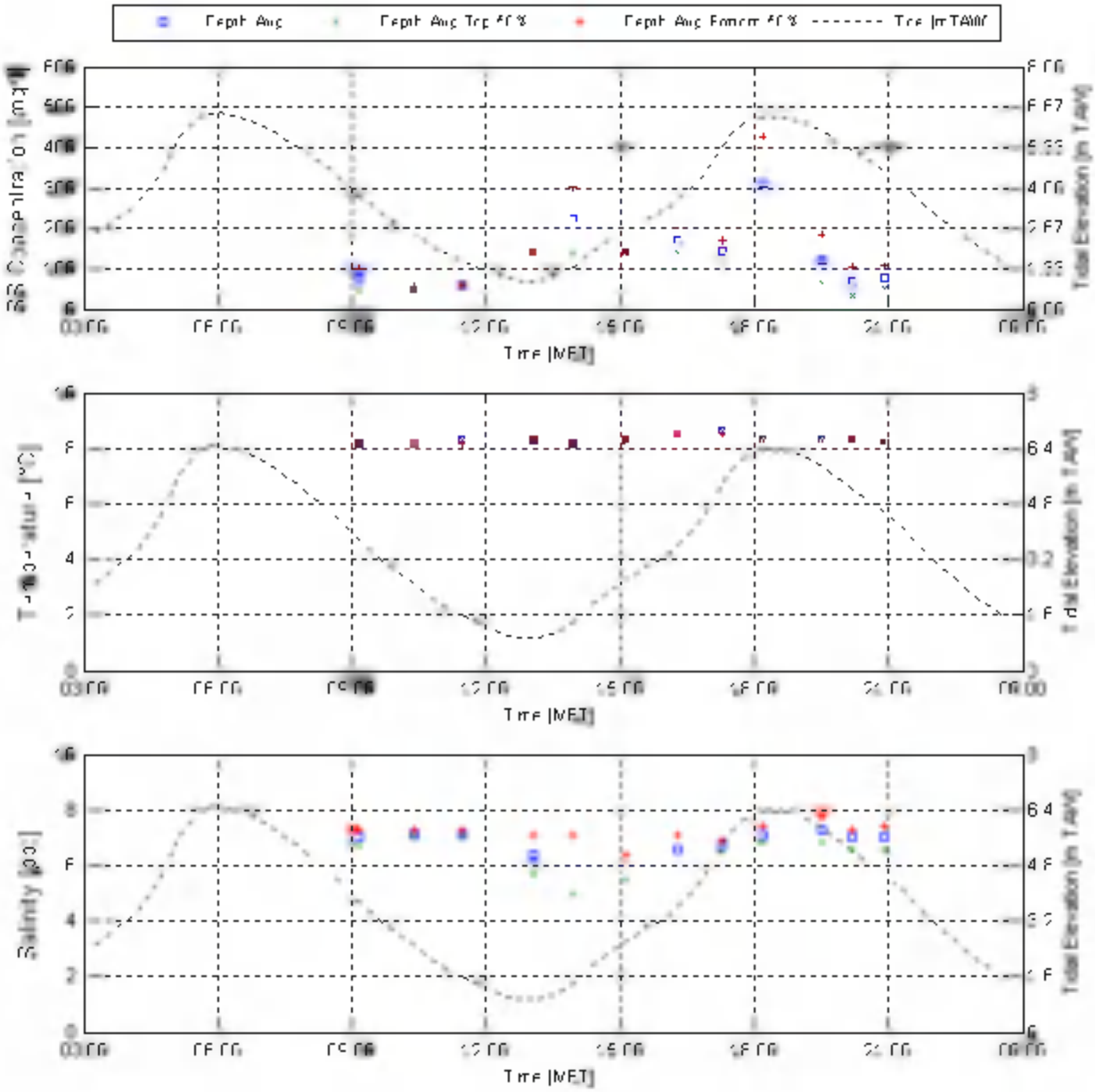
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Ye



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

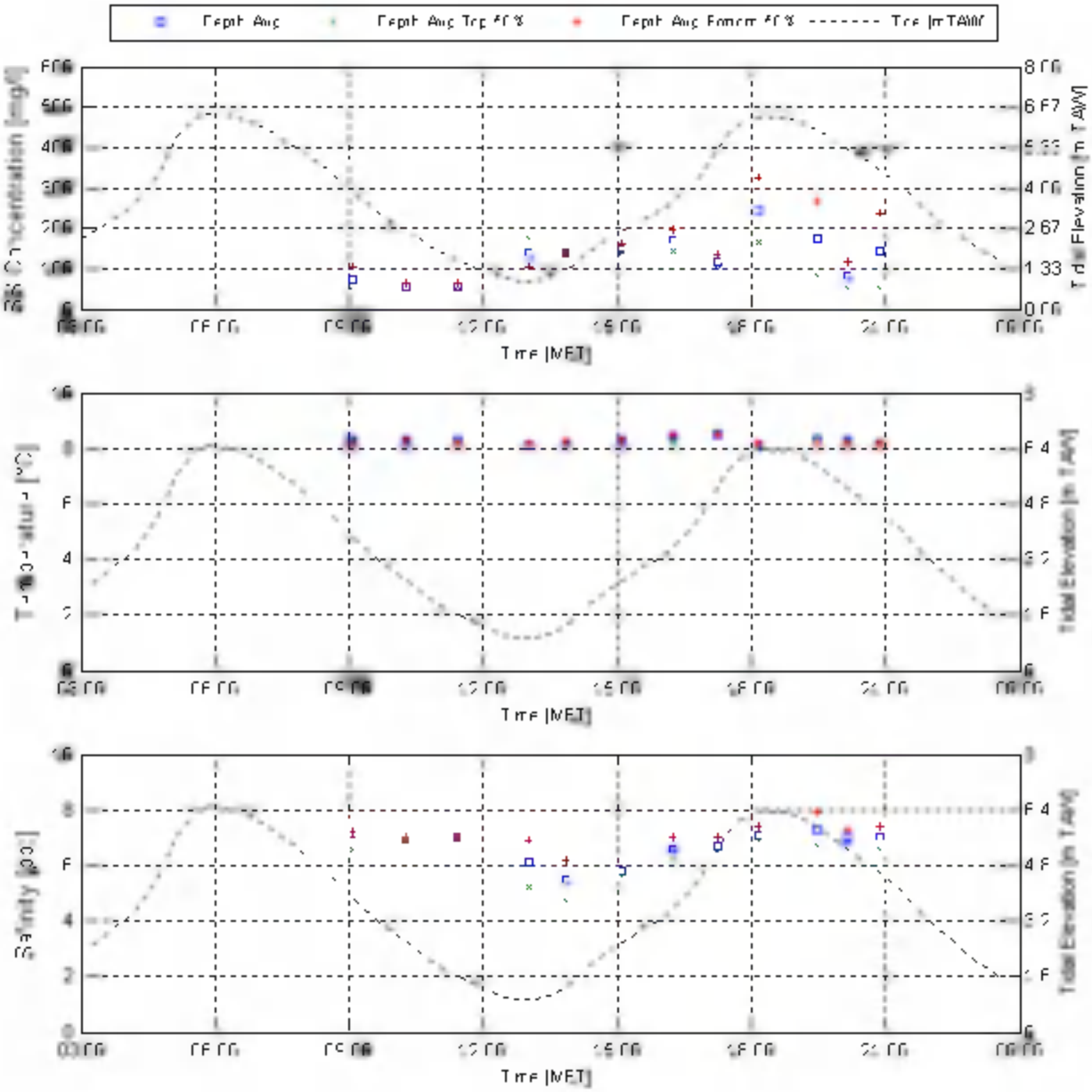
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - 7a



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

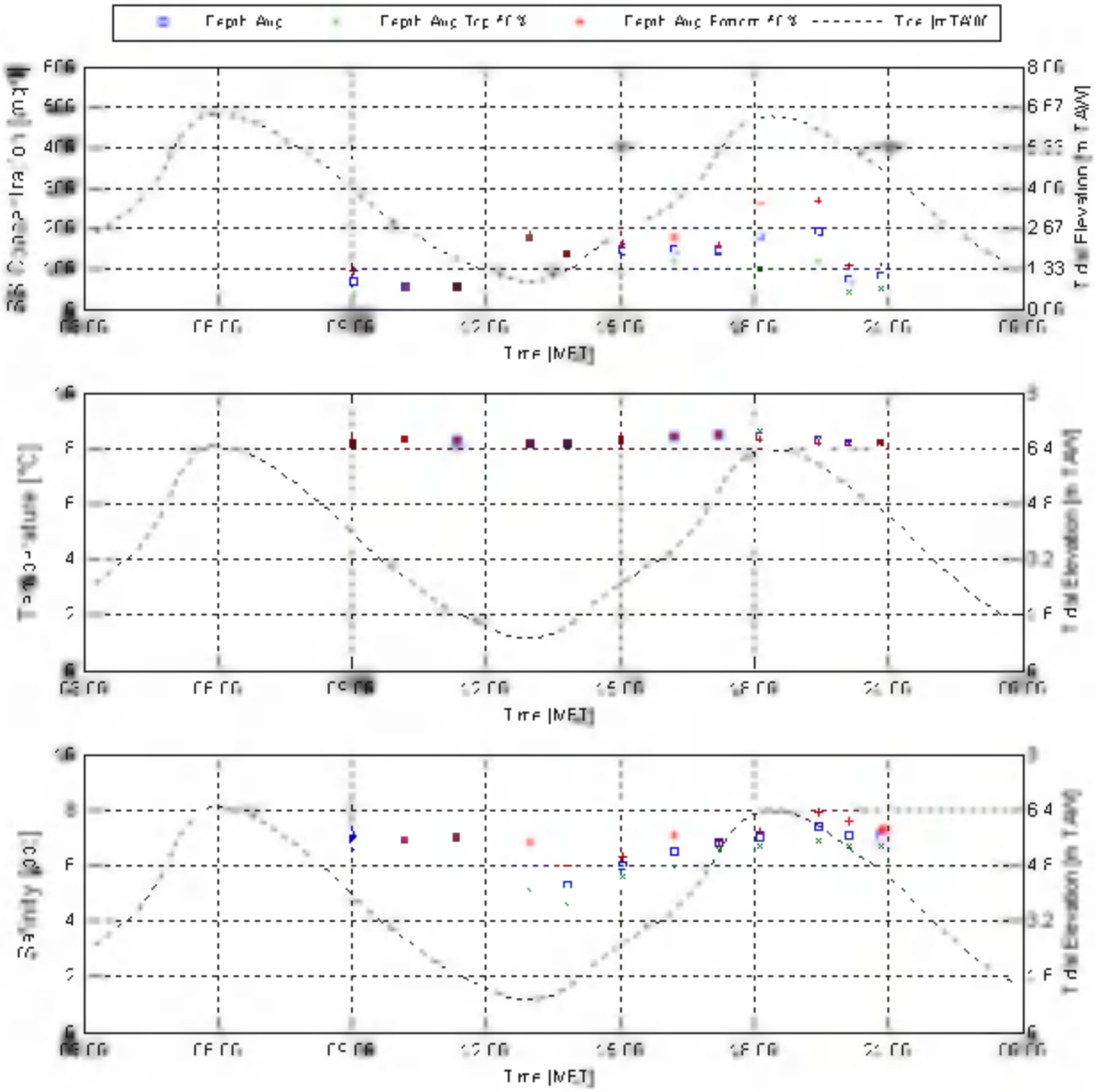
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - 7b



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

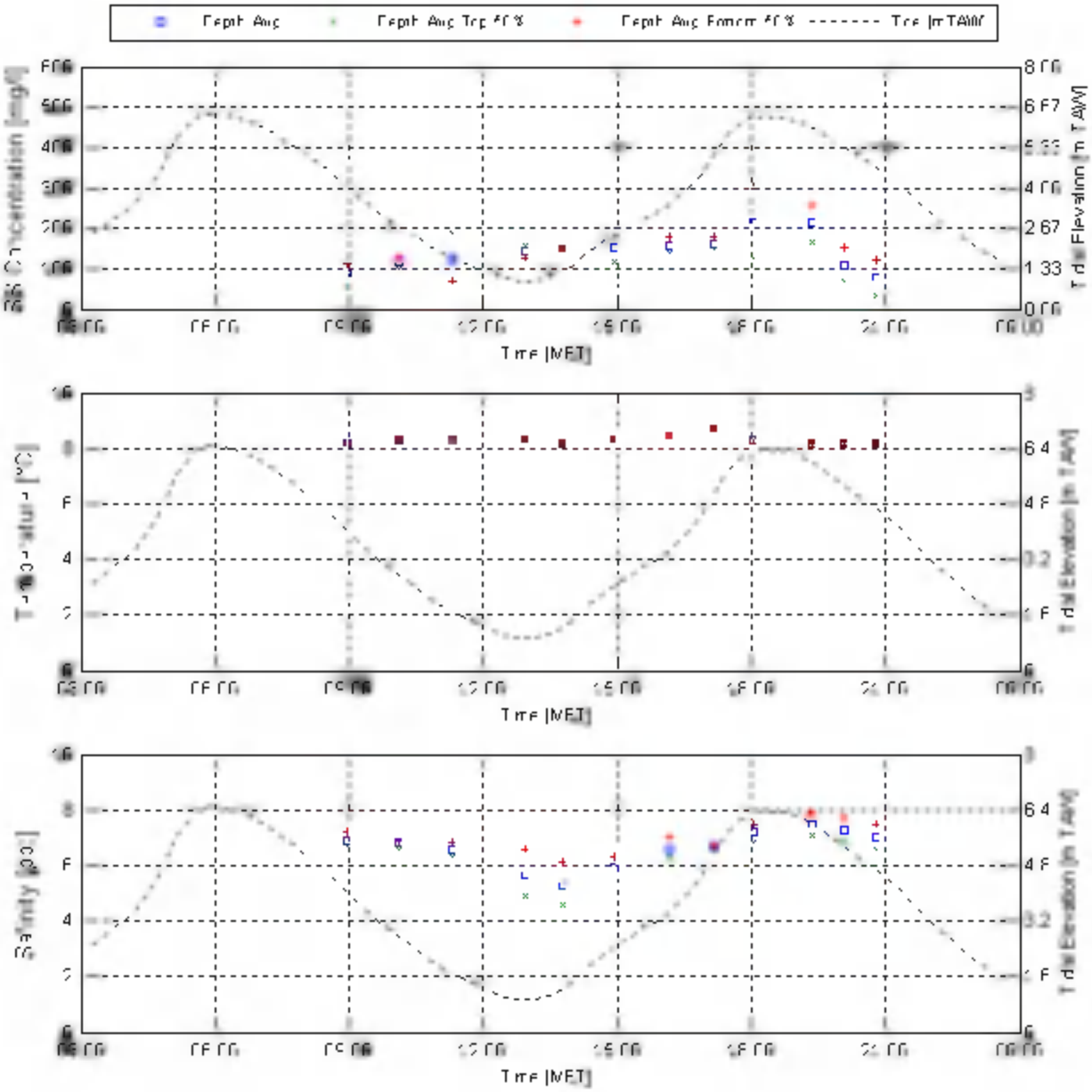
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Zo



Date: 12-Mar-2008	Data Processed by: IMDC in association with: IRA/11283/07.051 MSA

Through tide measurements Siltprofiler 12 March 2008

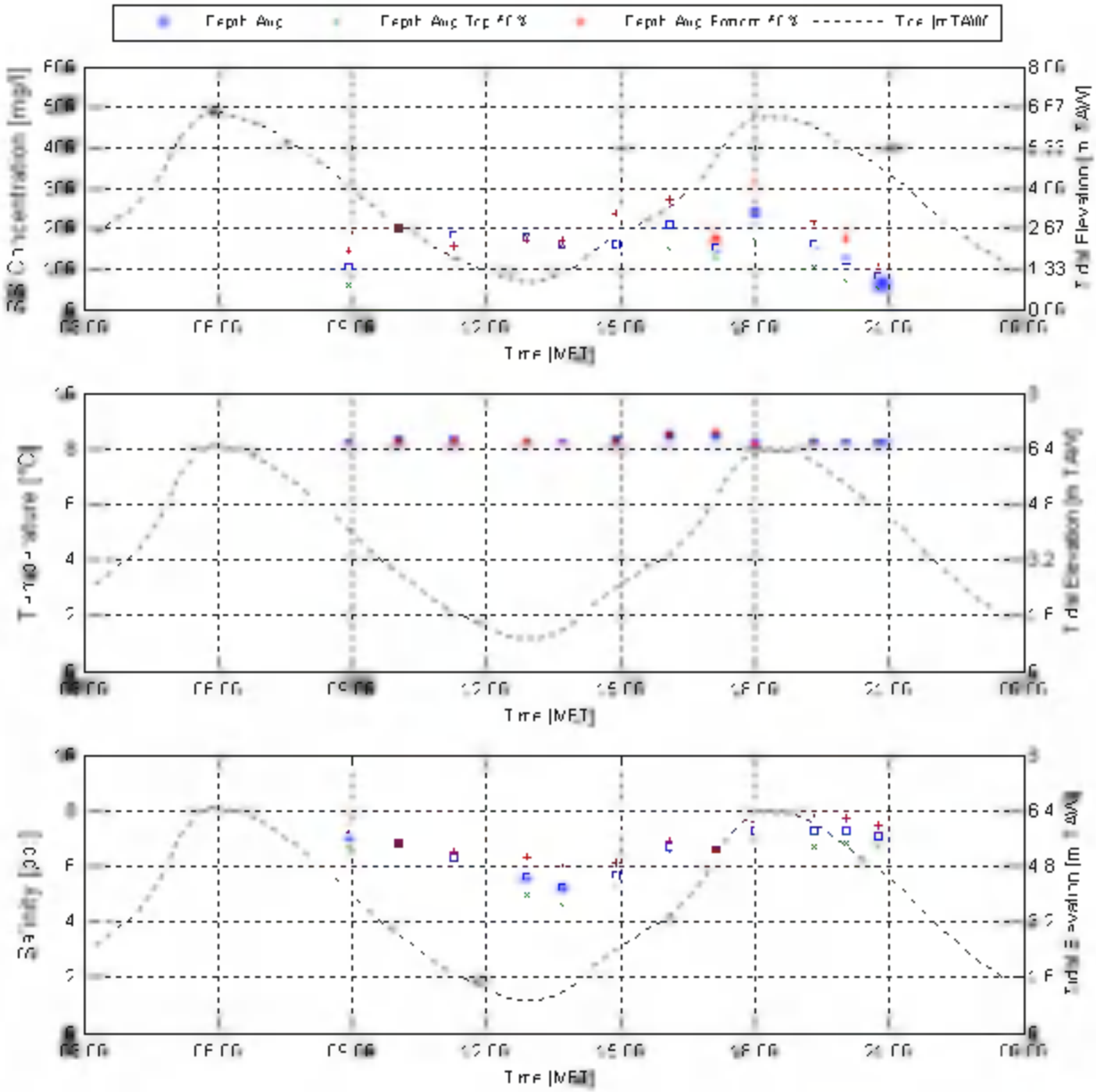
11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - 7e



Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

Through tide measurements Siltprofiler 12 March 2008

11283	Equipment(s): Siltprofiler & CTD-Diver
	Location: Deurganckkoek - Ze

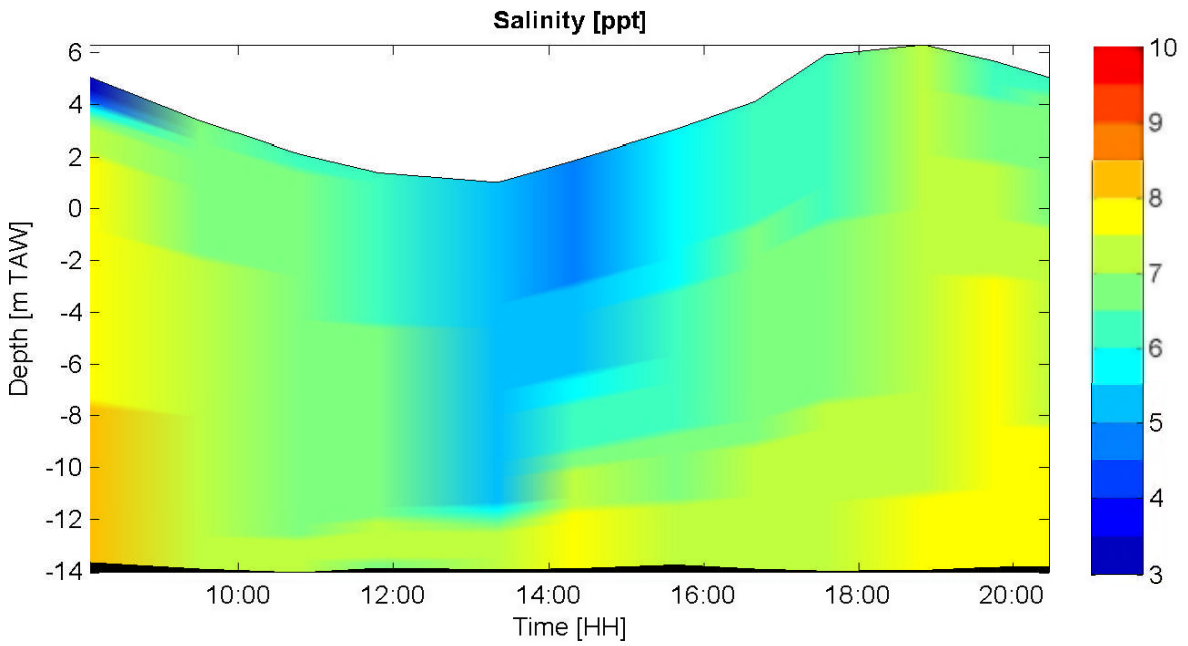


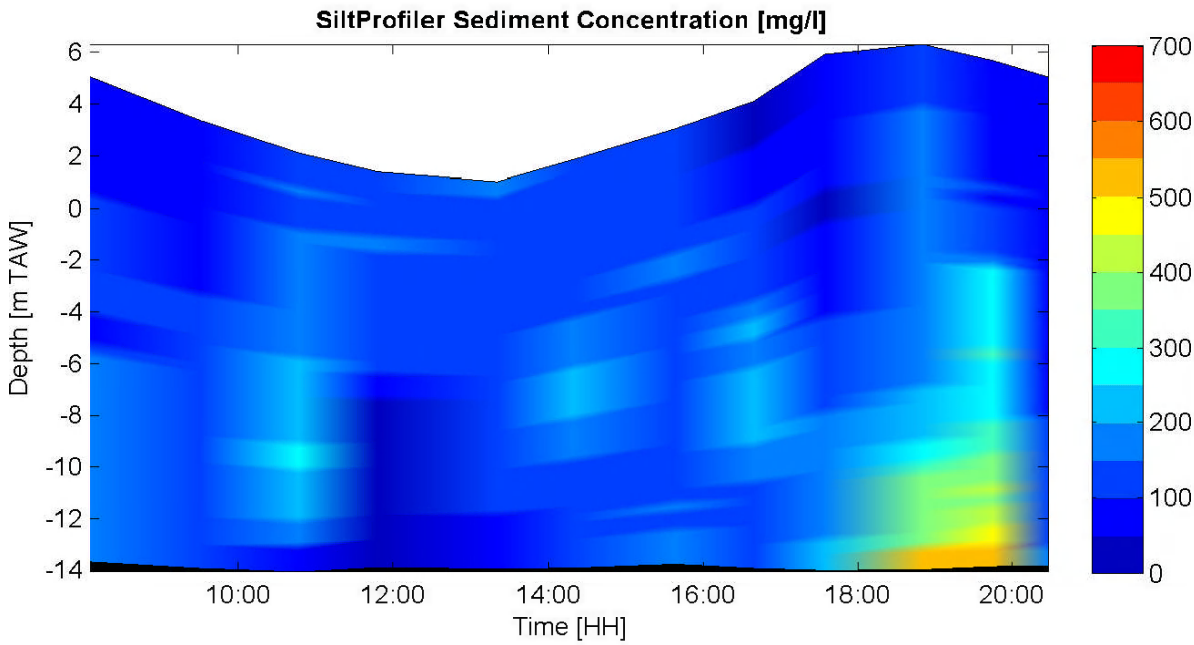
Date: 12-Mar-2008	Data Processed by: IMDC in association with: /RA/11283/07.051/MSA

APPENDIX H. TIMESERIES

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Xa

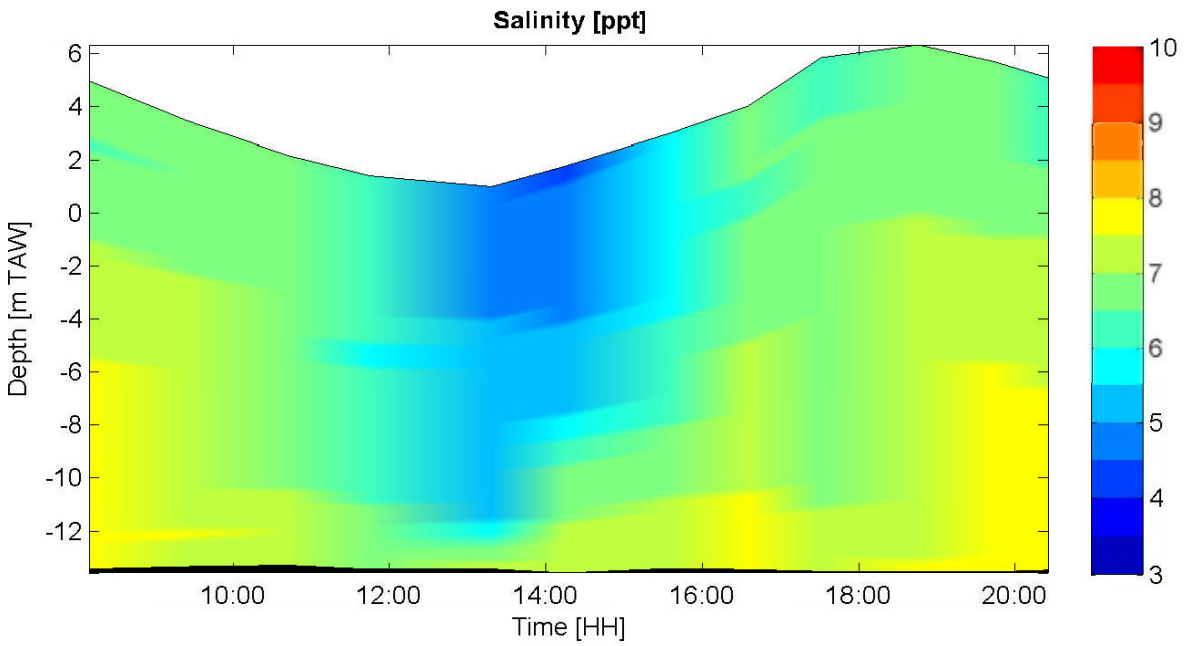


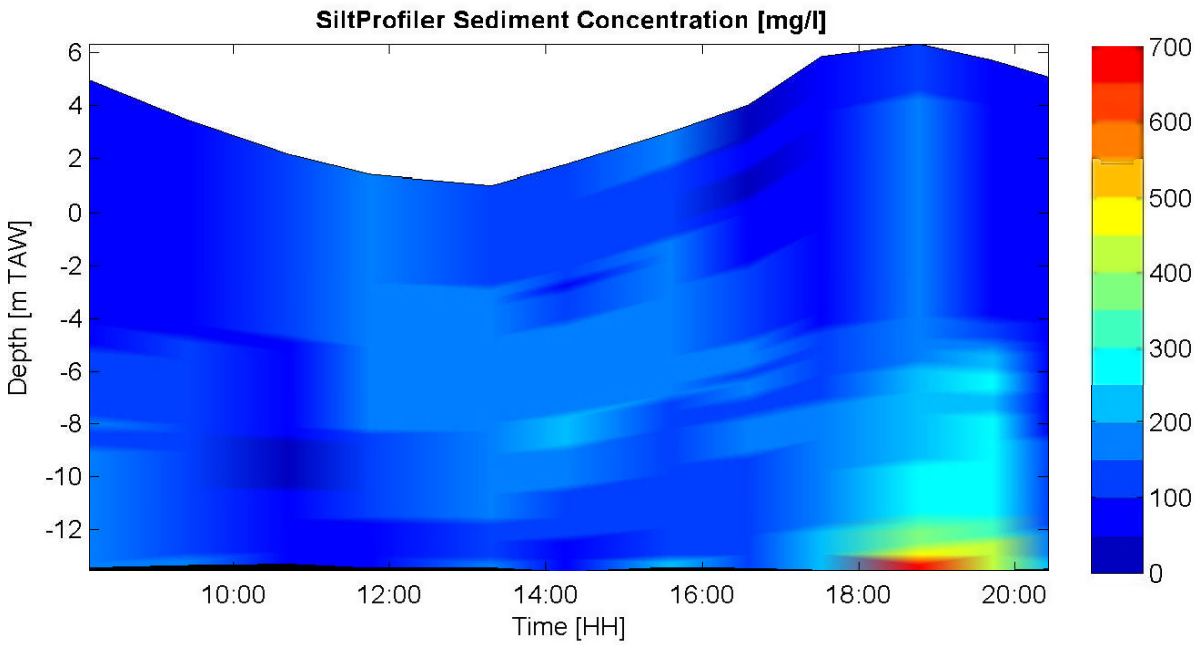


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Xb

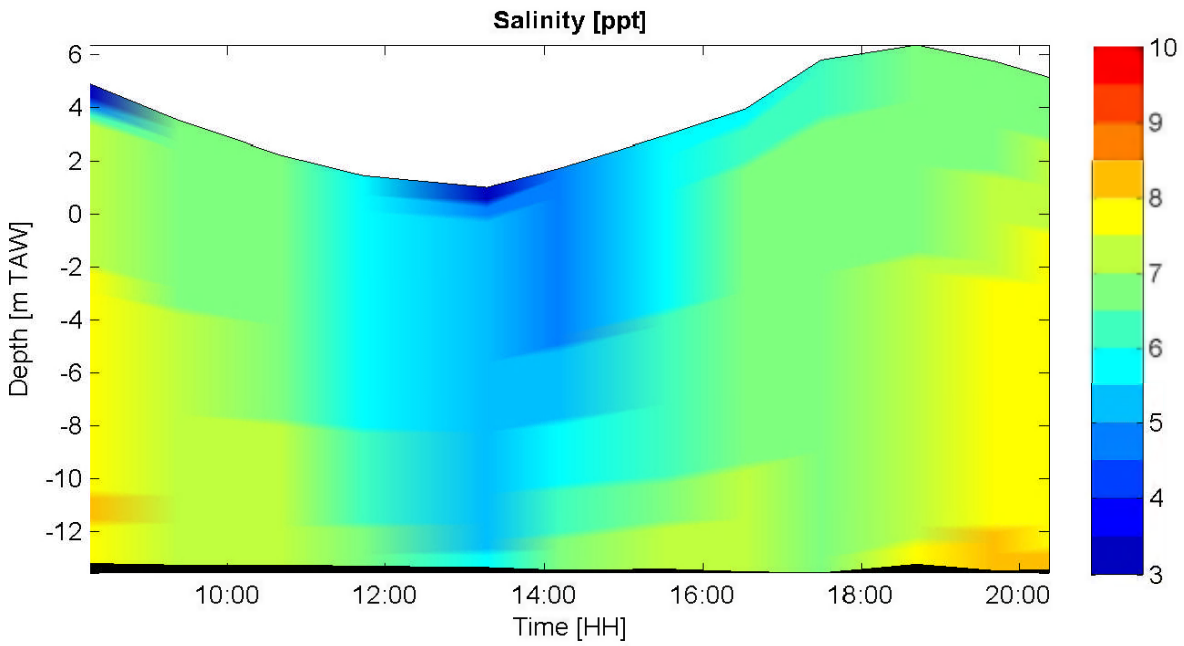


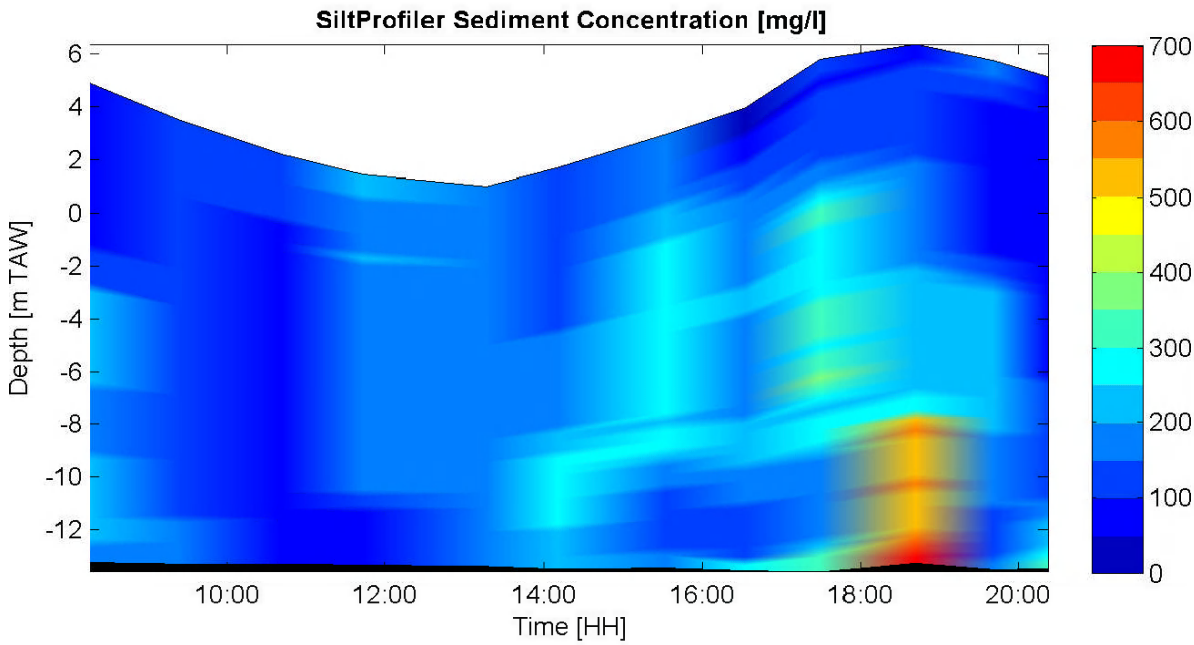


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Xc

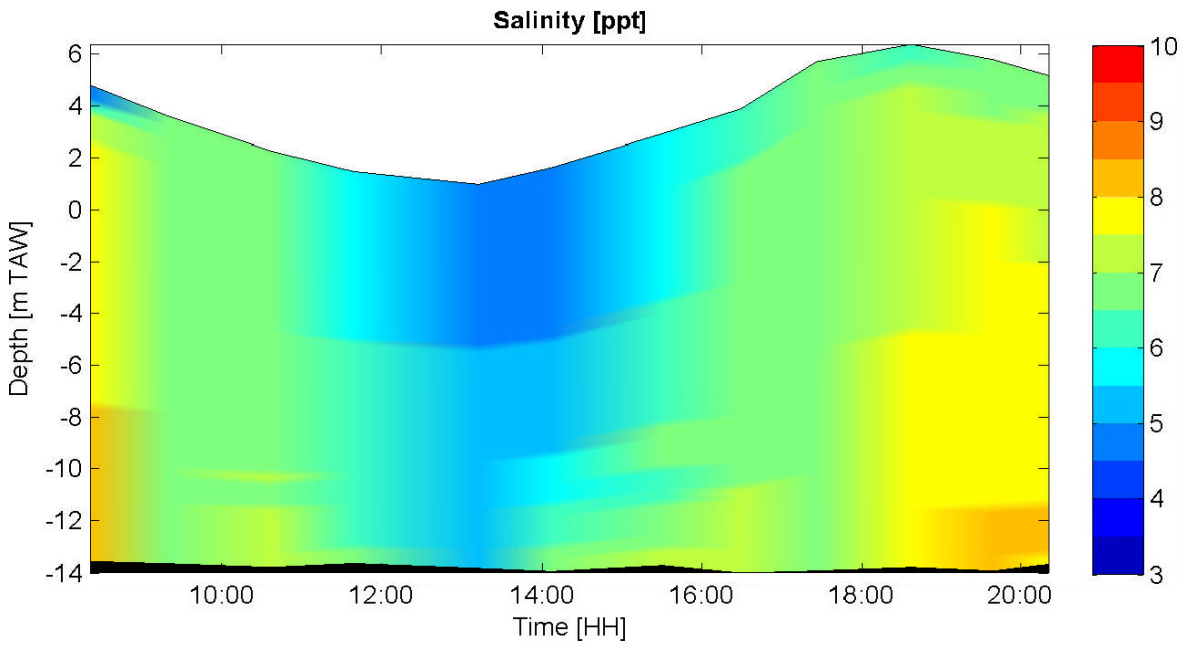


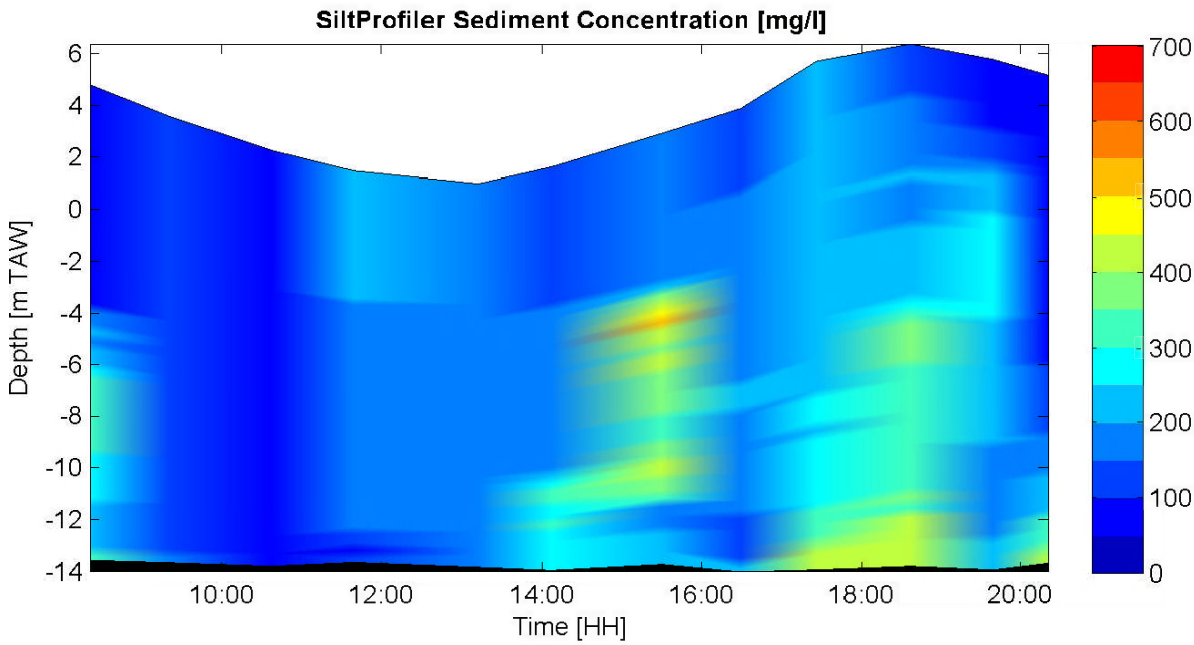


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Xd

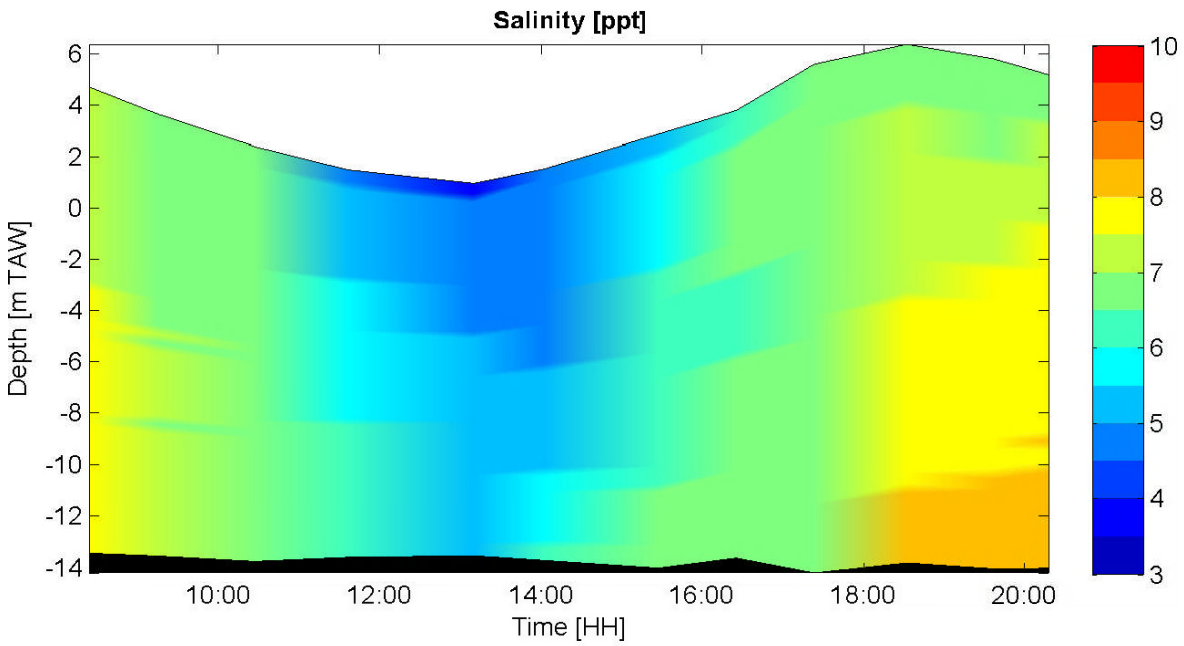


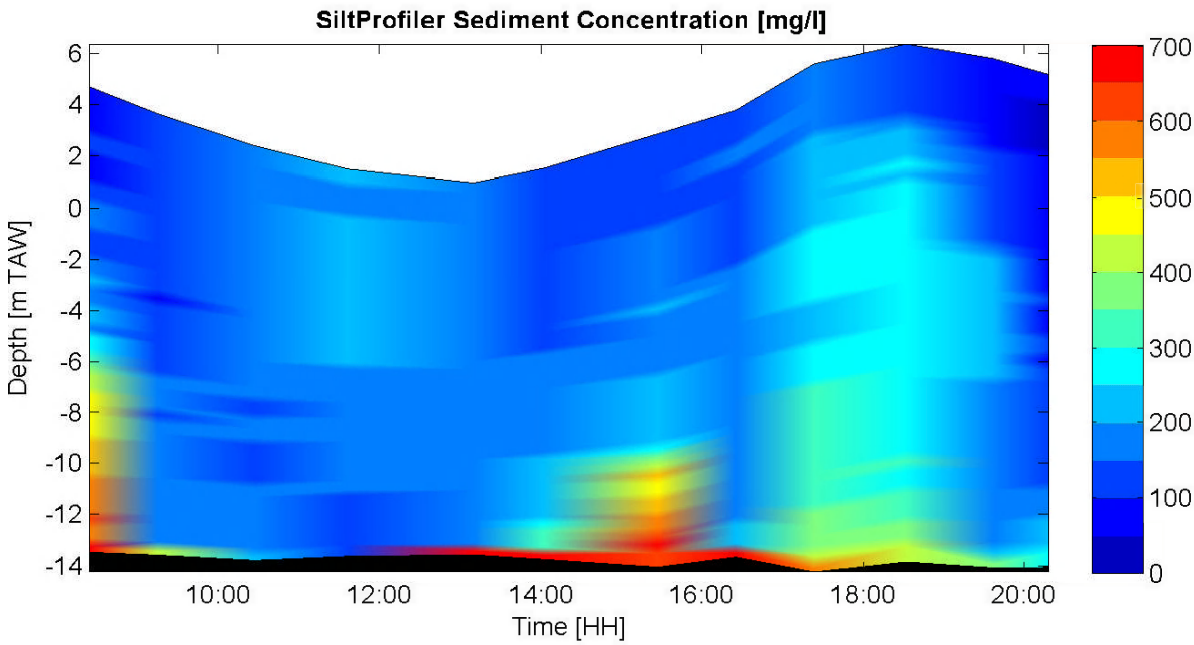


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Xe

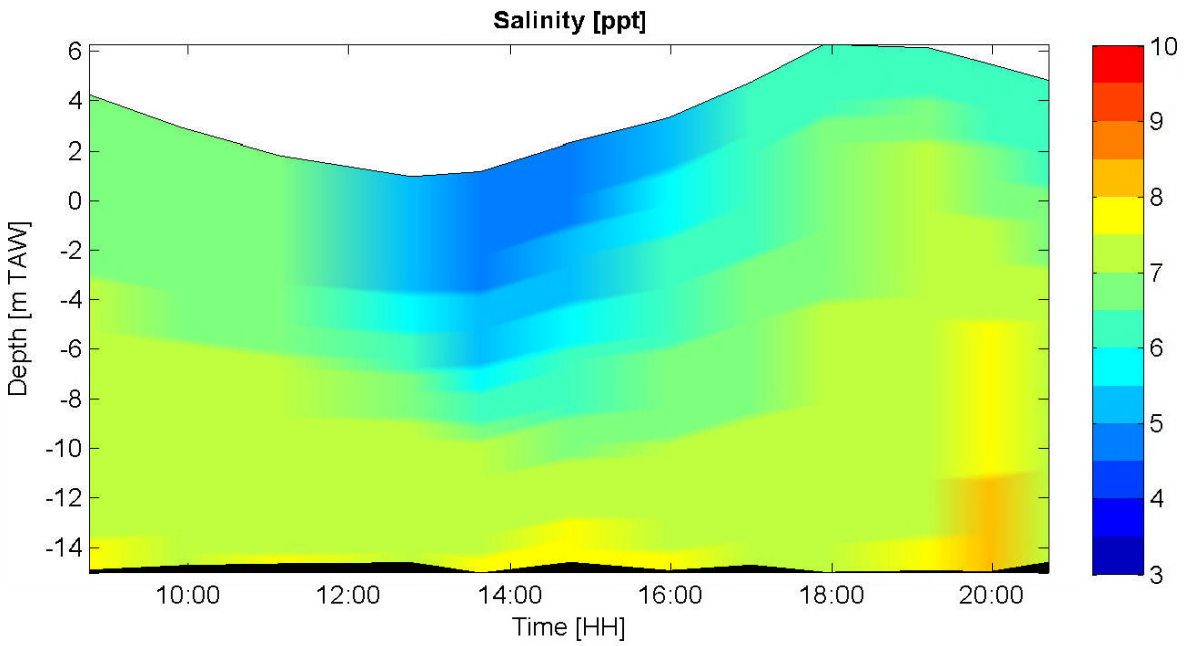


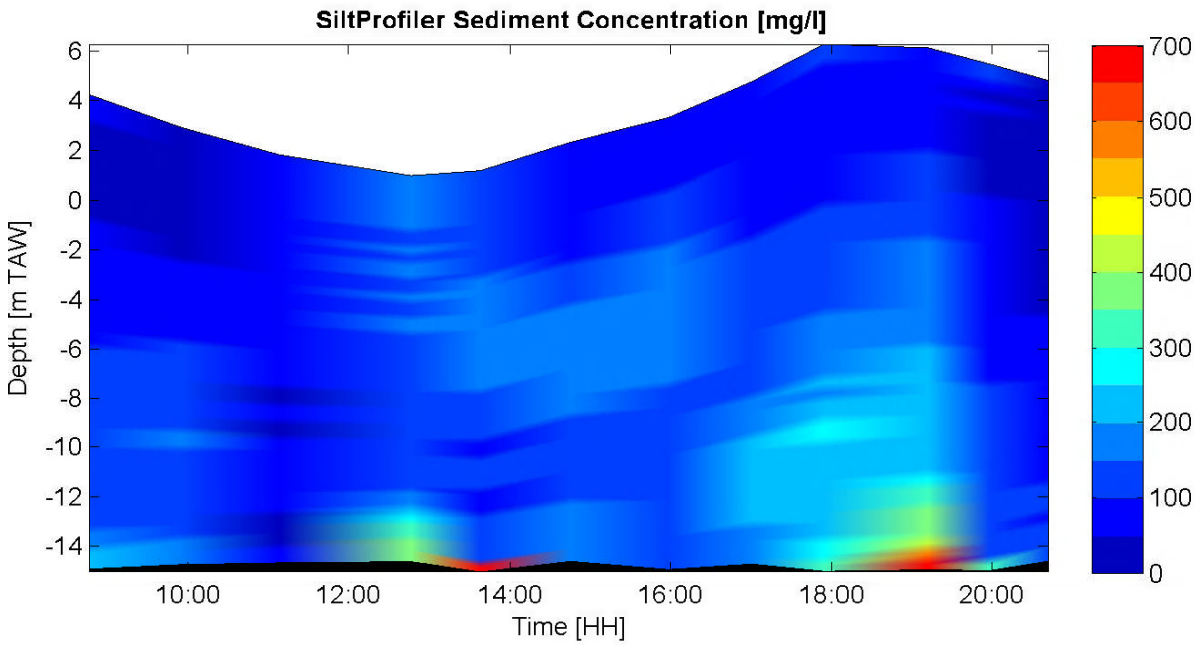


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Ya

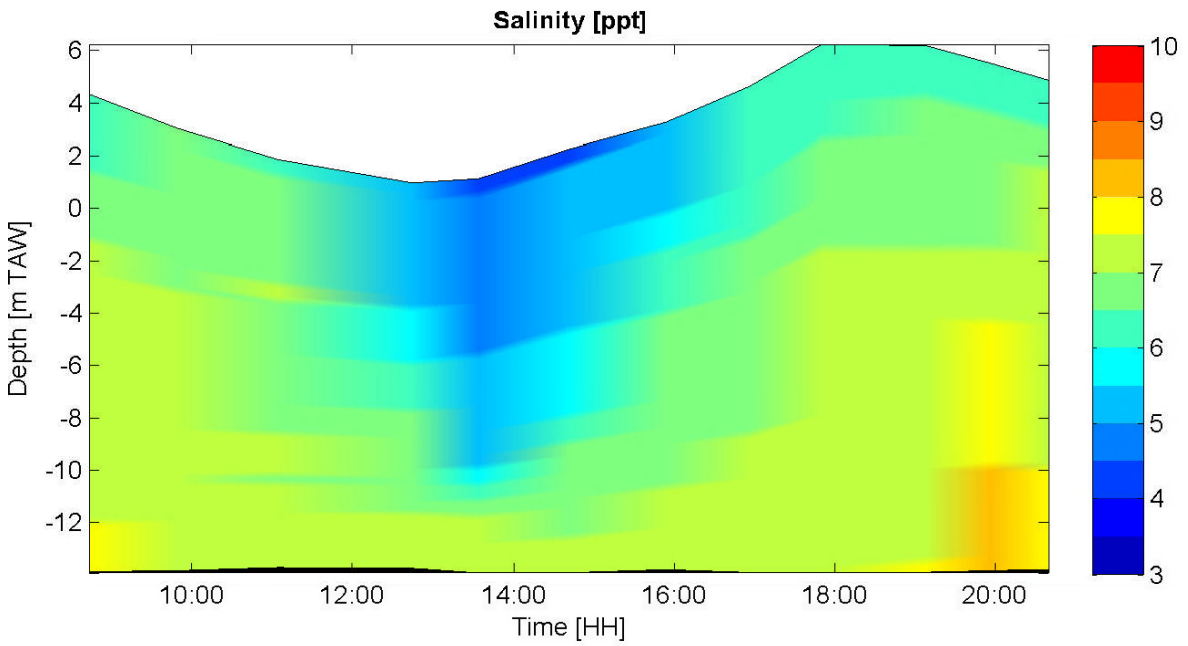


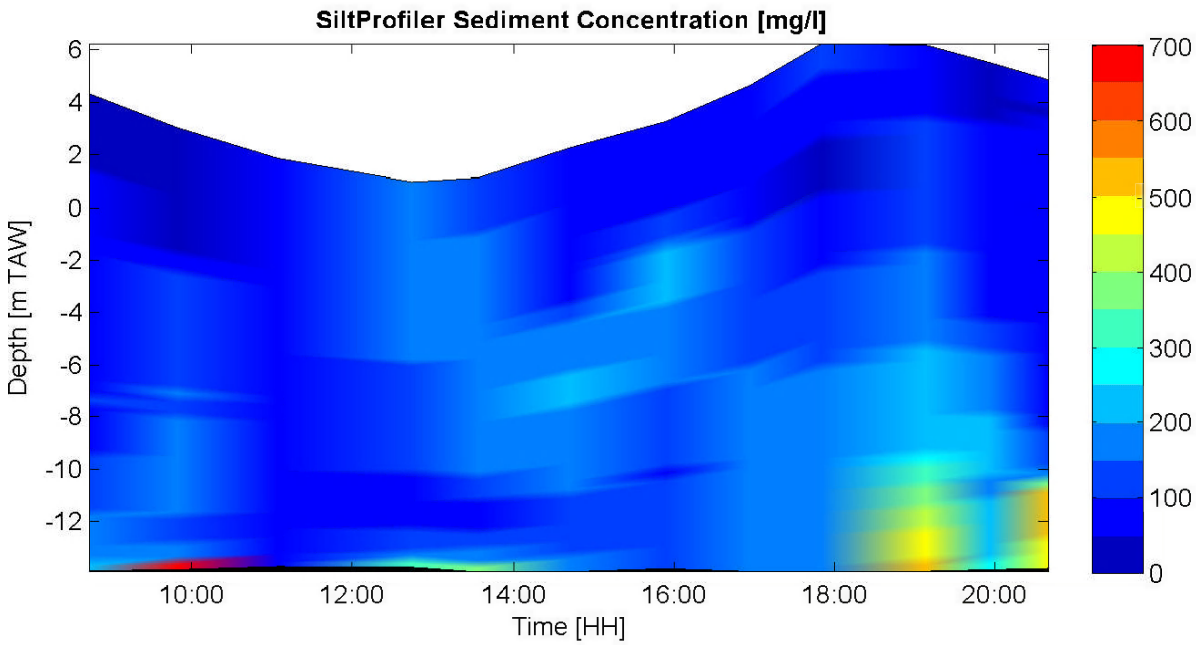


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Yb

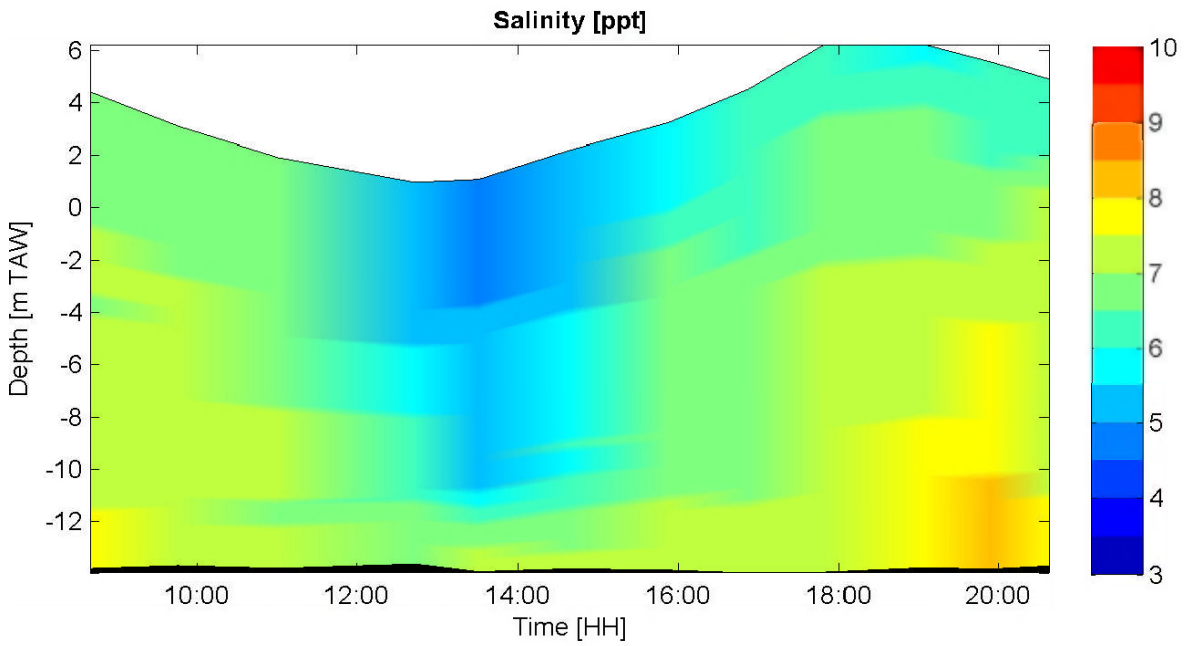


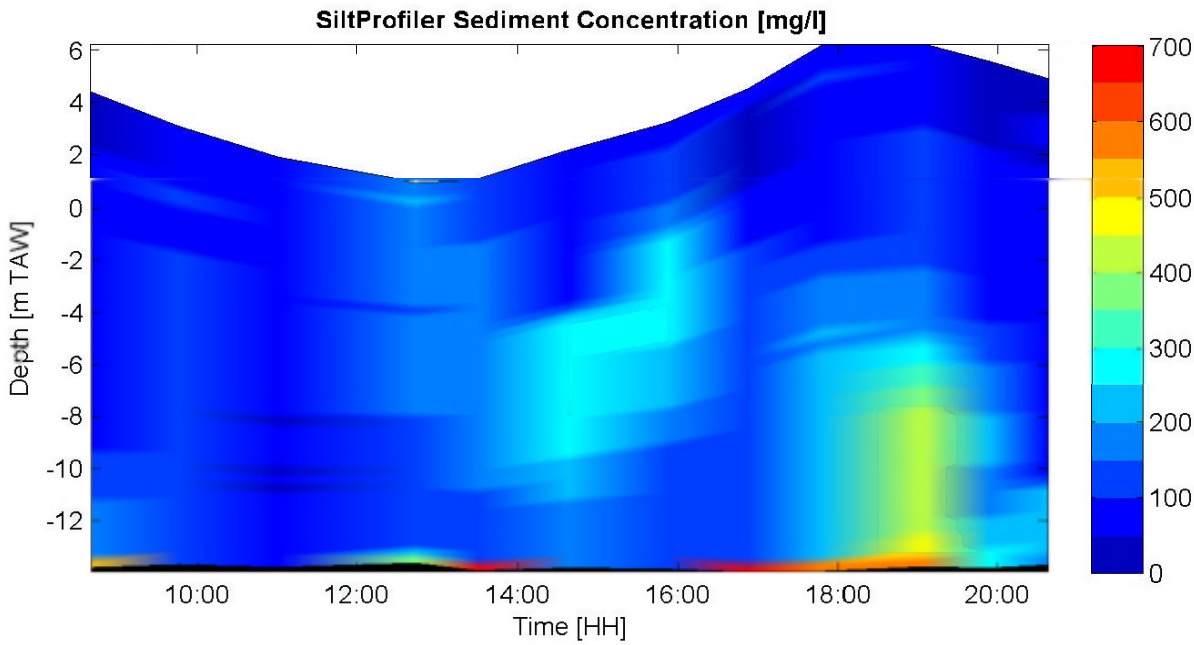


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Yc

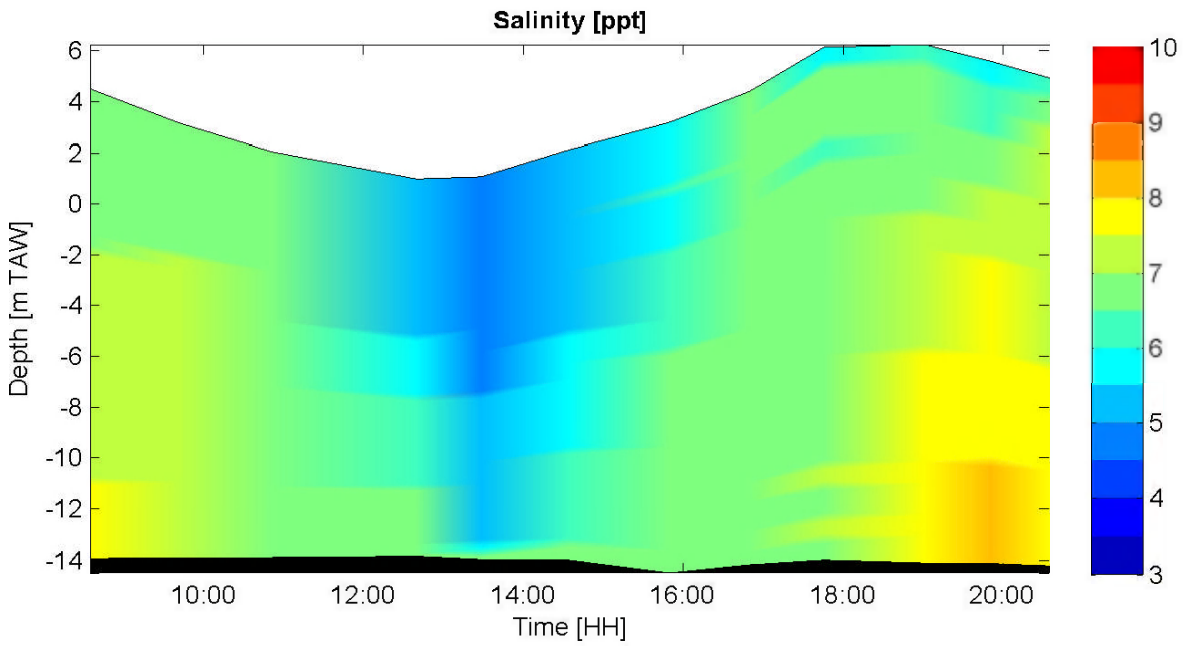


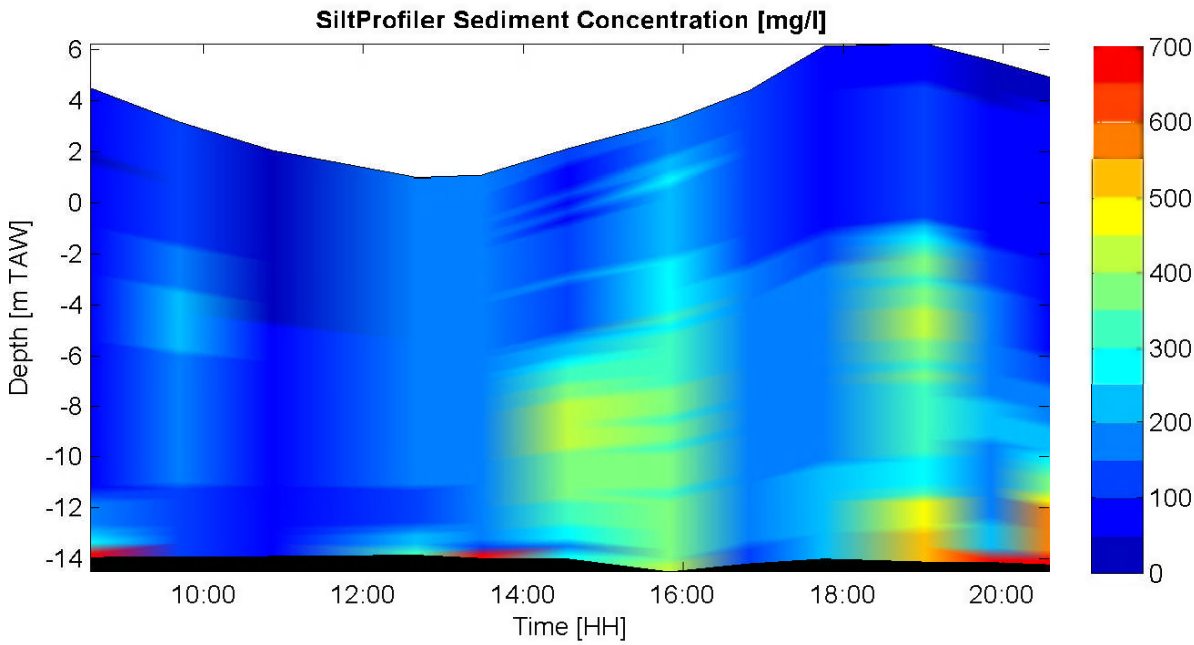


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Yd

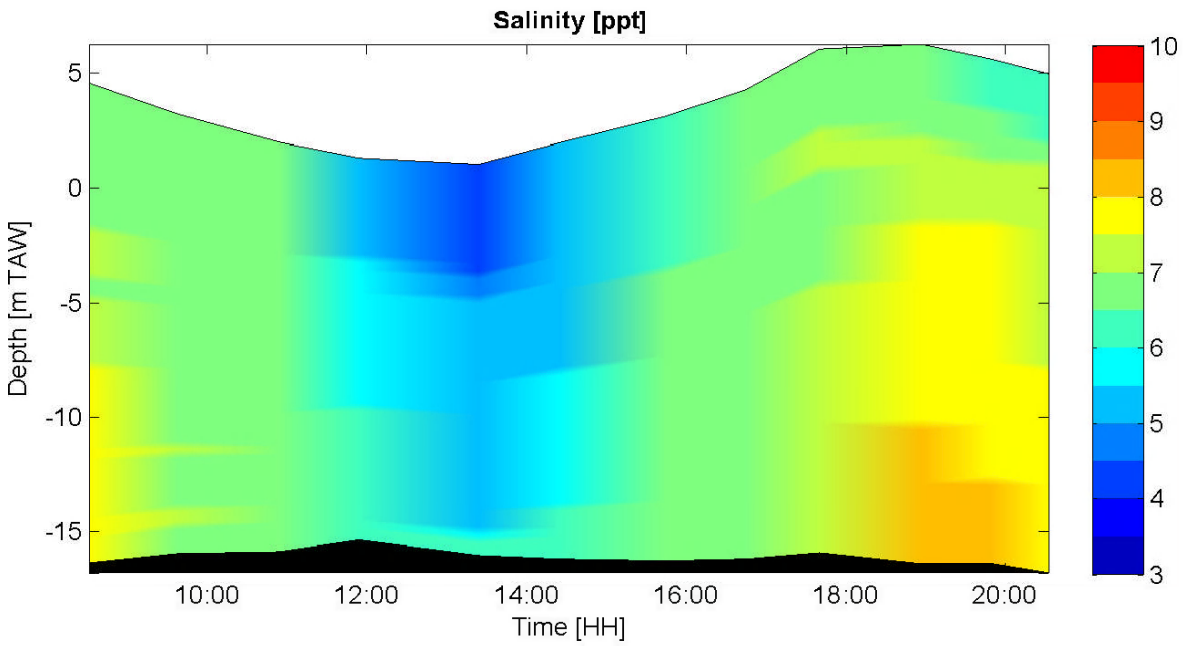


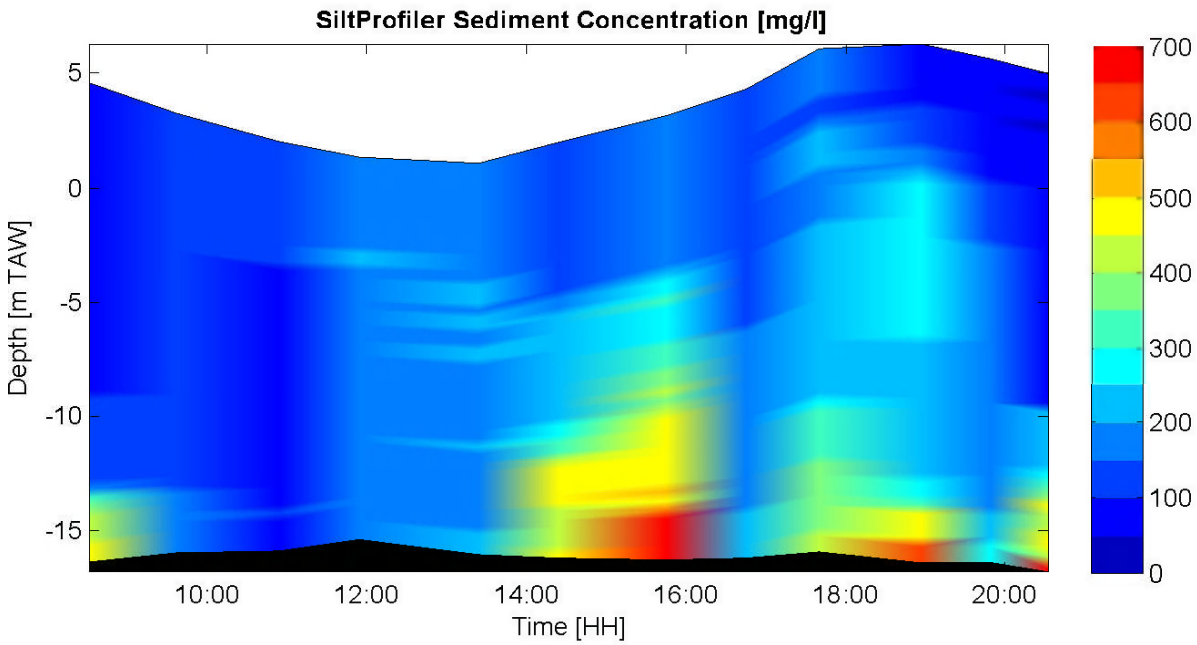


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Ye

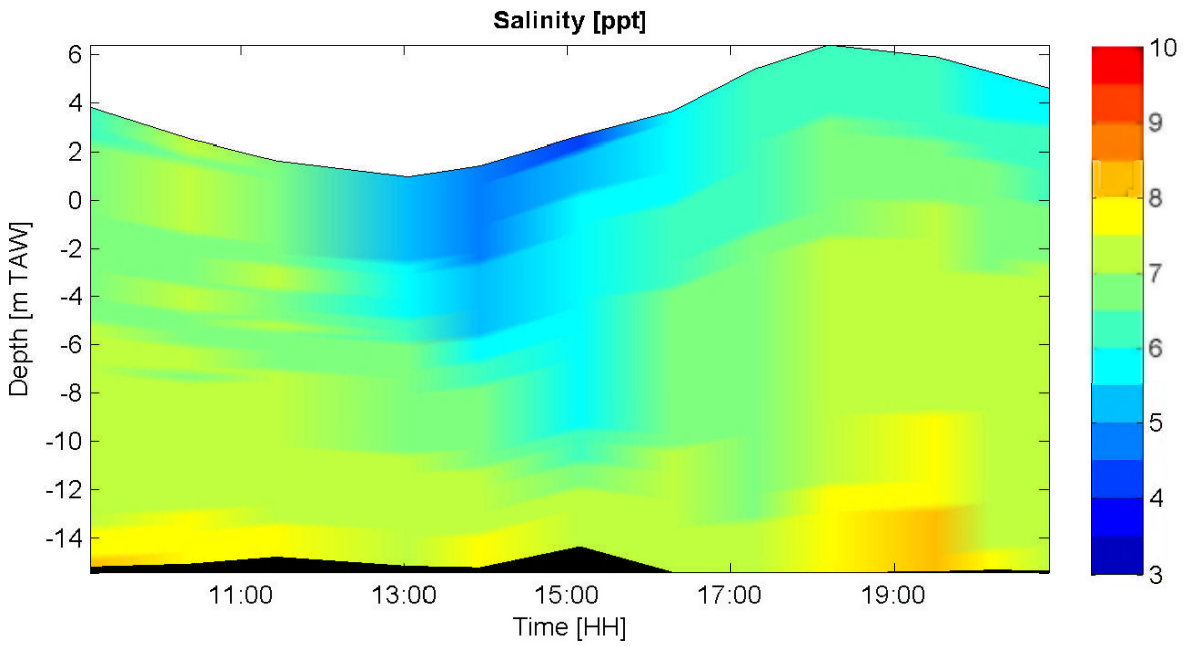


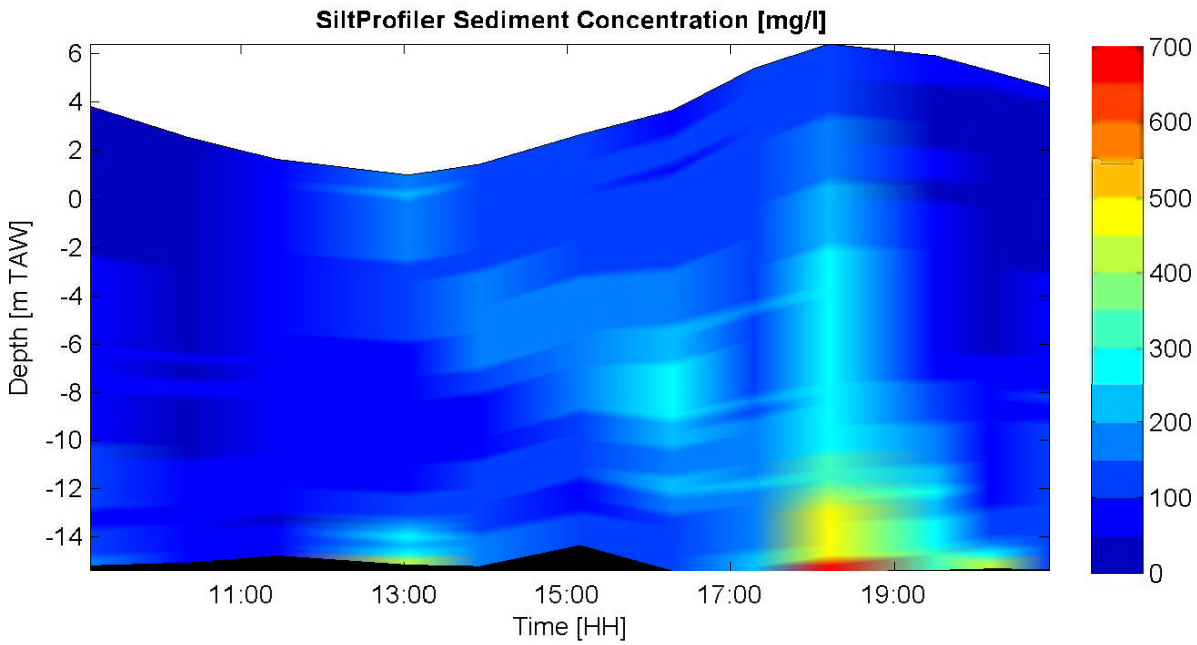


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Za

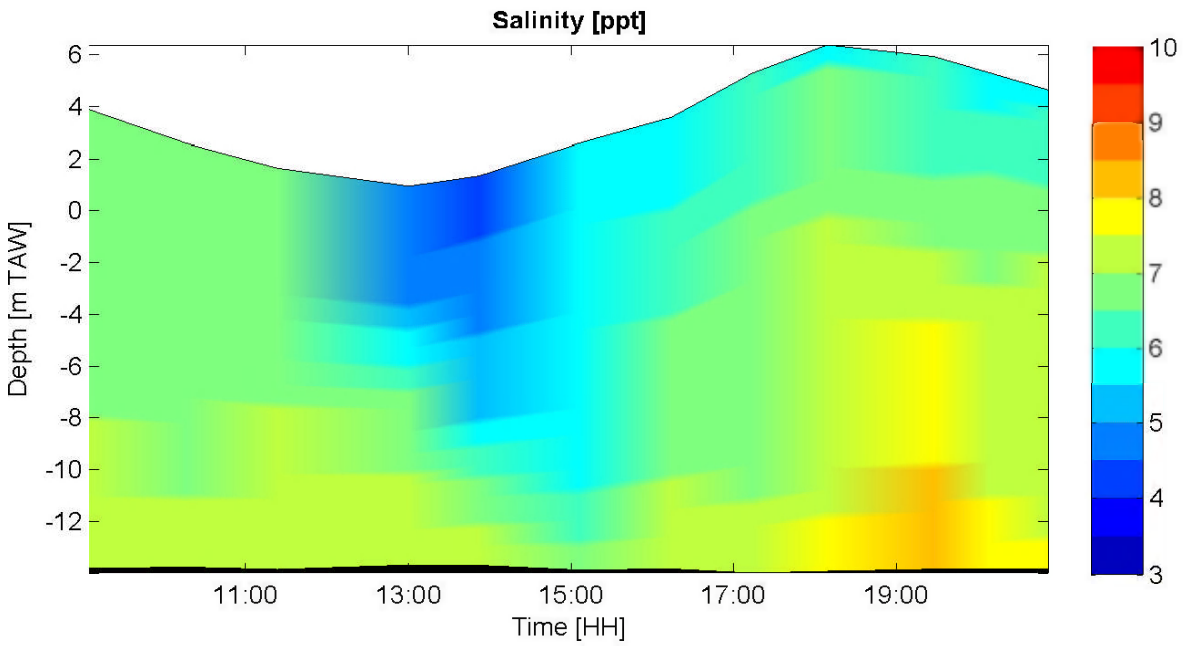


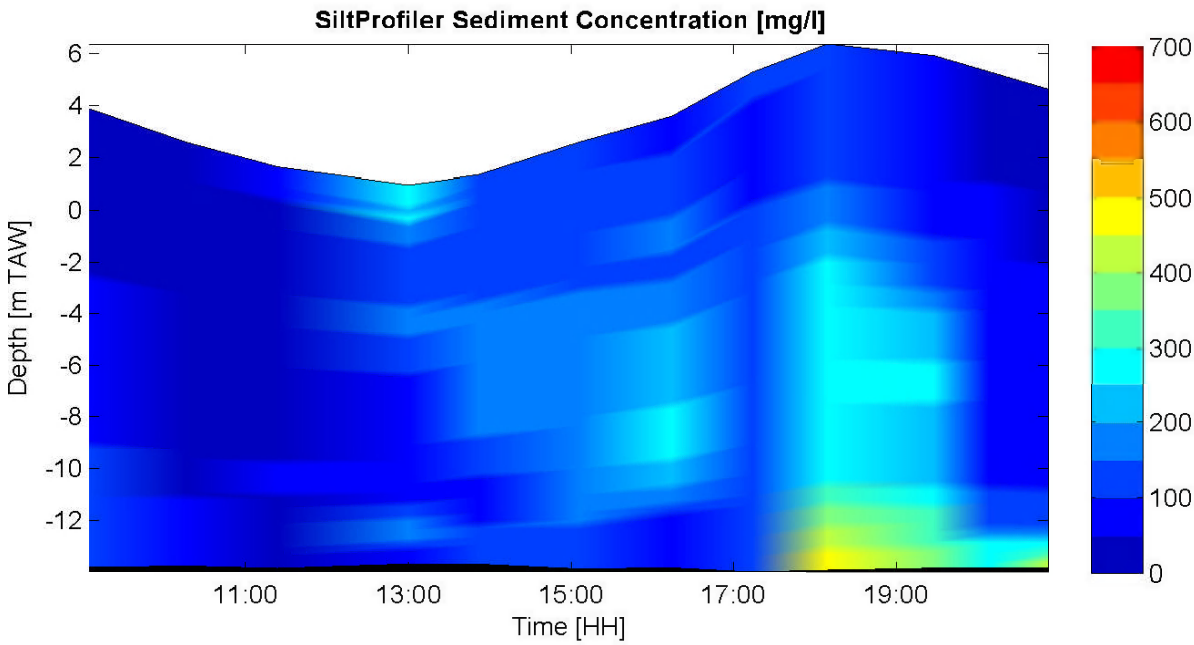


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Zb

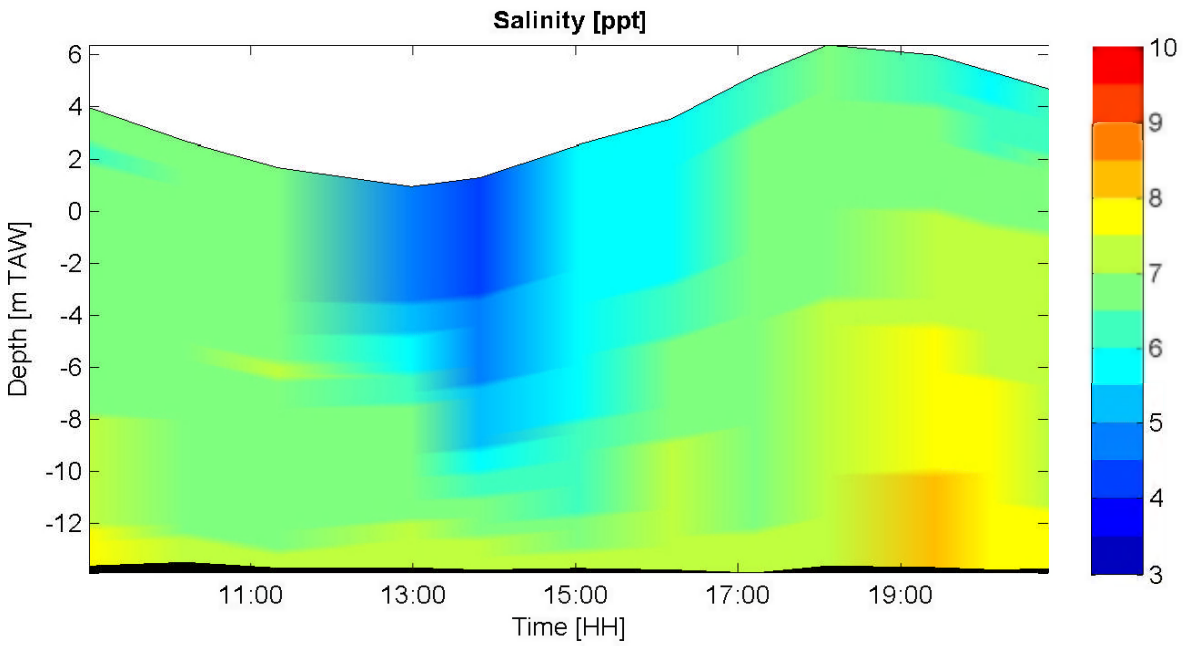


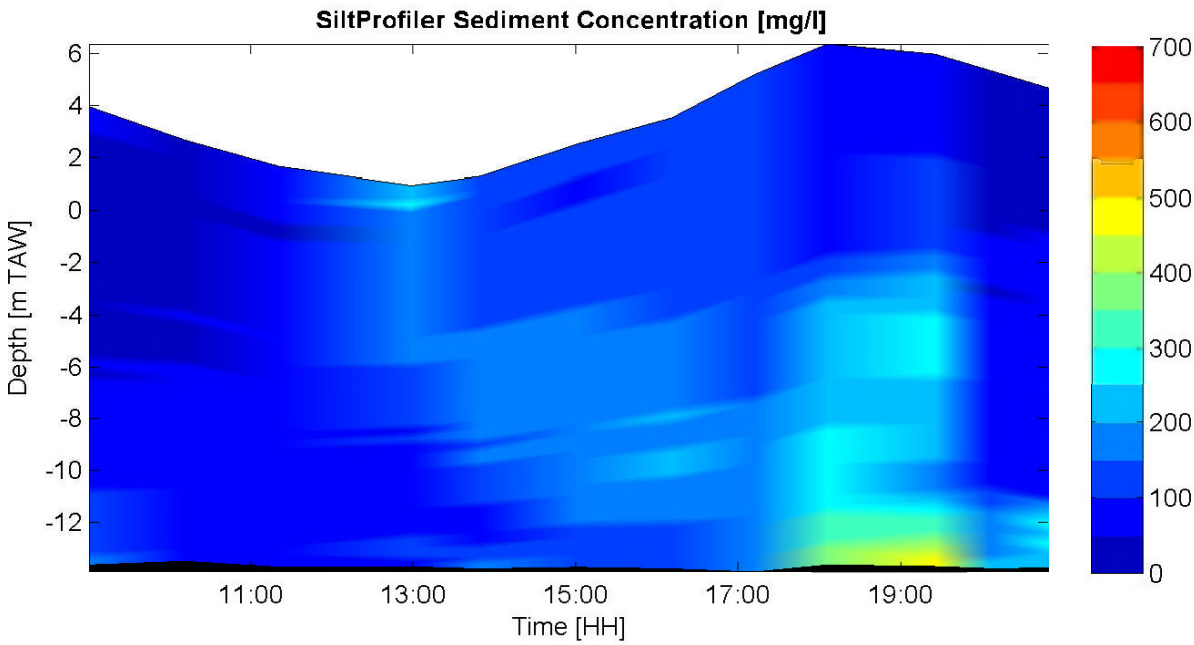


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Zc

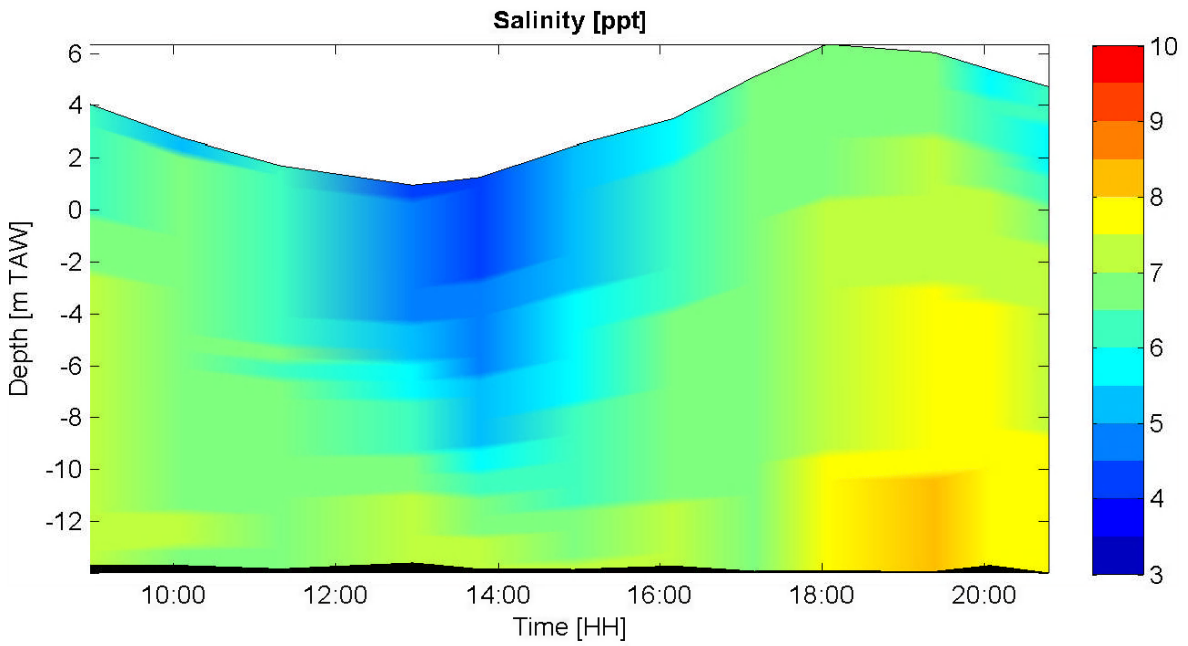


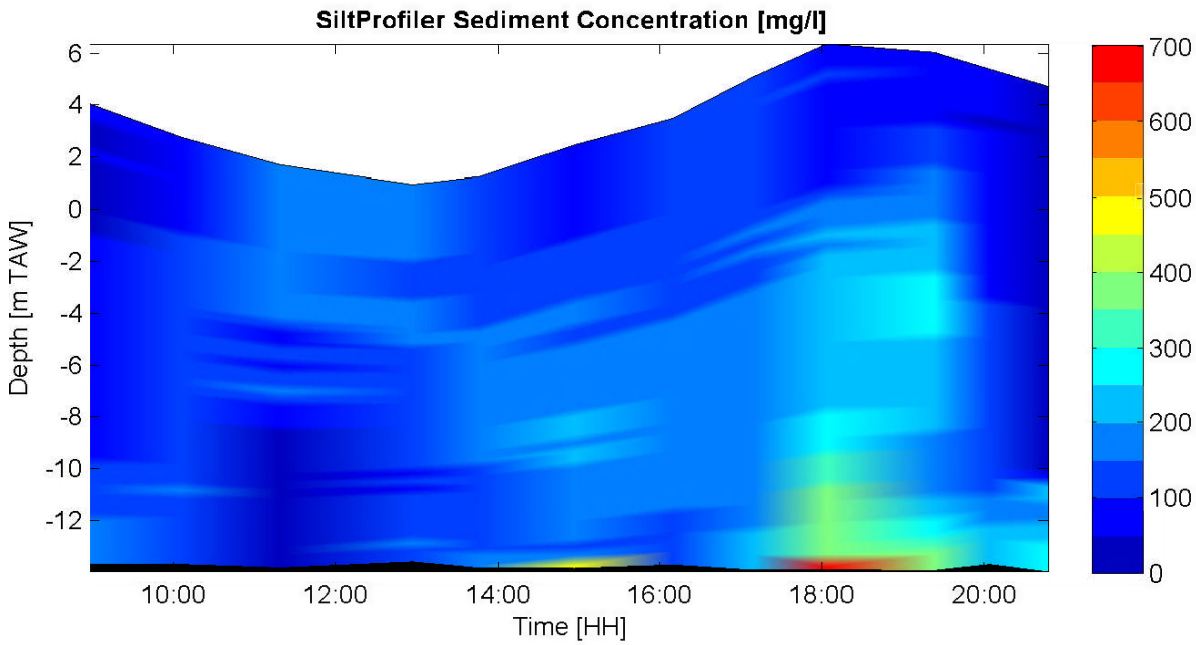


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Zd

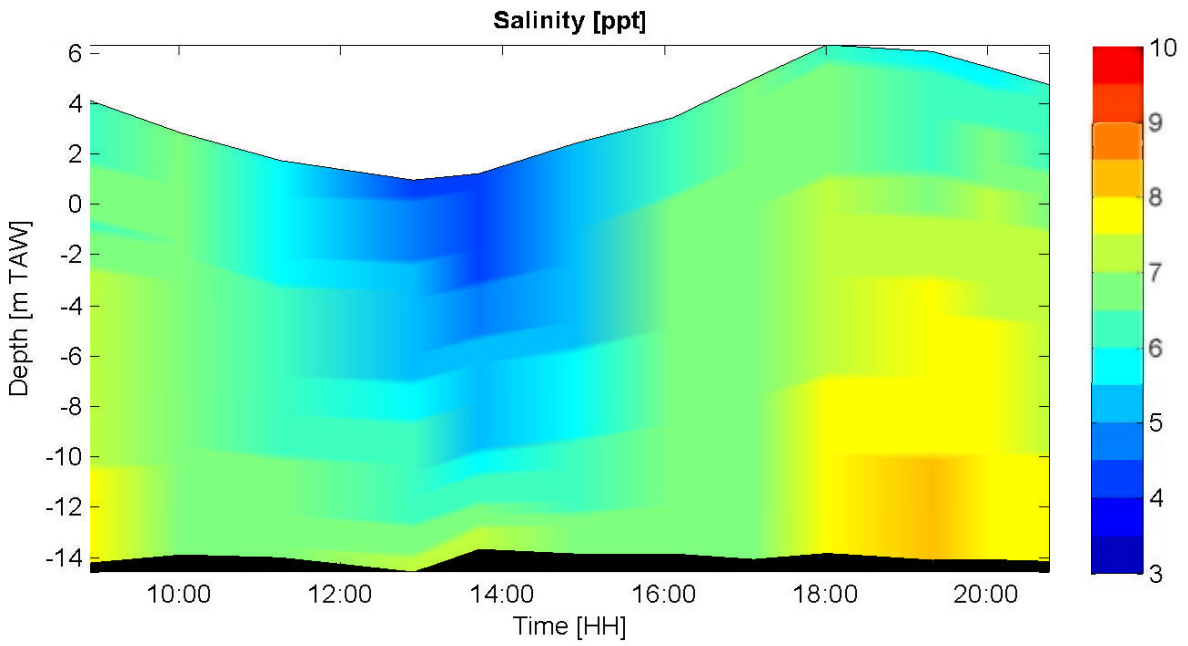


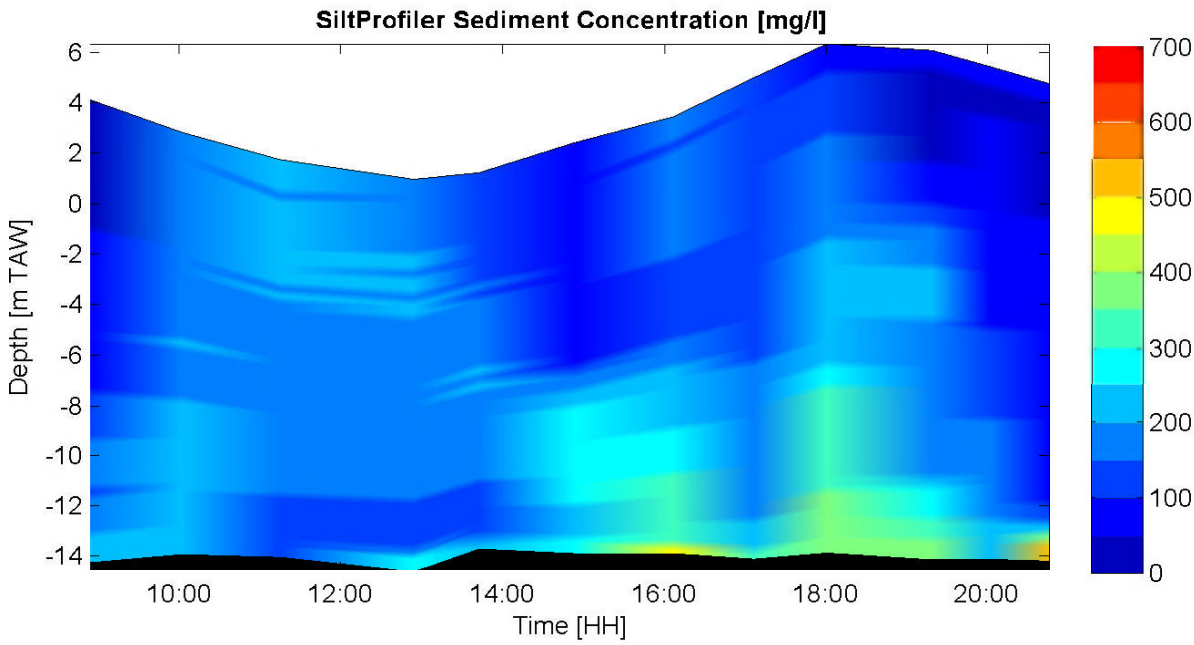


Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): CTD-Diver & SiltProfiler
Sourcefile(s): *.sil *.sil	Location: Deurganckdok-Ze



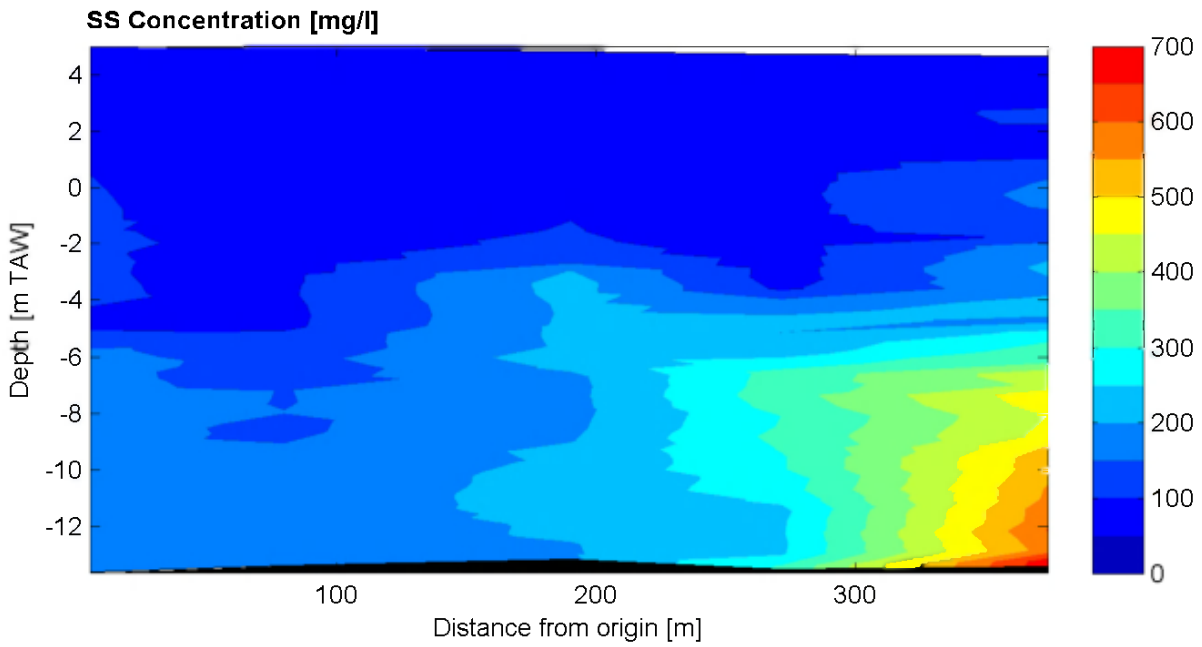


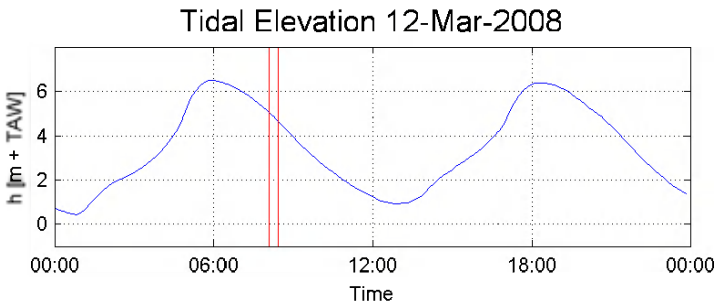
Date : 12-Mar-2008	Data Processed by: IMDC In association with : I/RA/11283/07.091/MSA

APPENDIX I. TRANSECT SUSPENDED SEDIMENT CONCENTRATION DISTRIBUTION

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4001Xa.sil - 4005Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
08:05 - 08:25

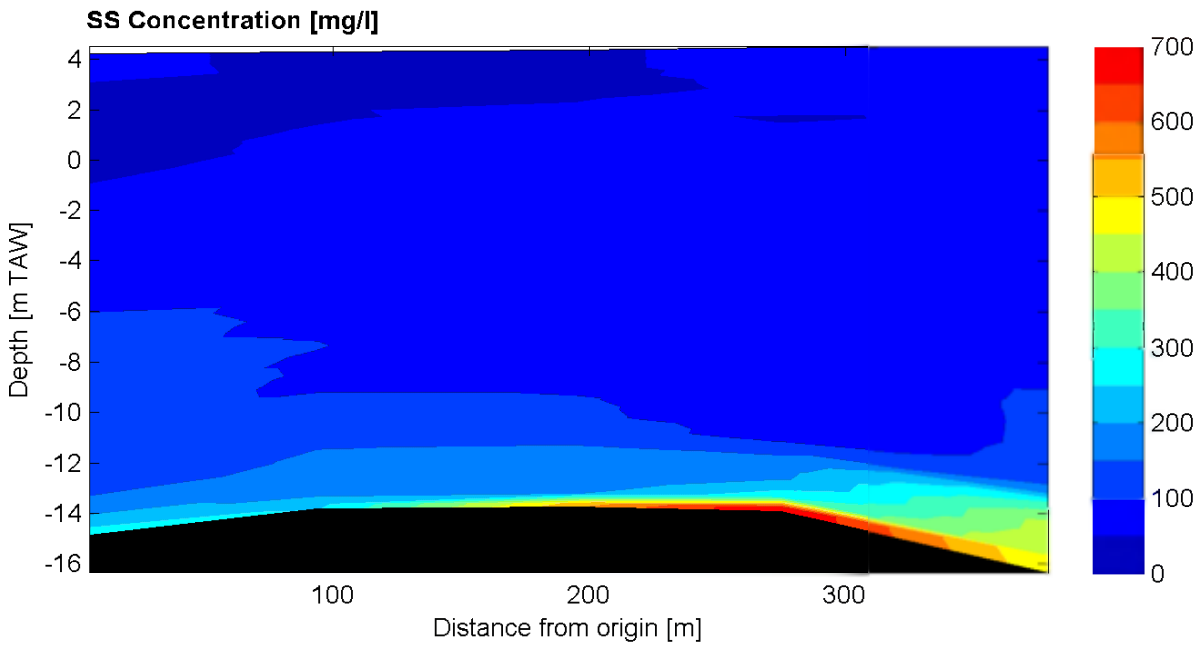
Time after HW [HH:MM]
2:15

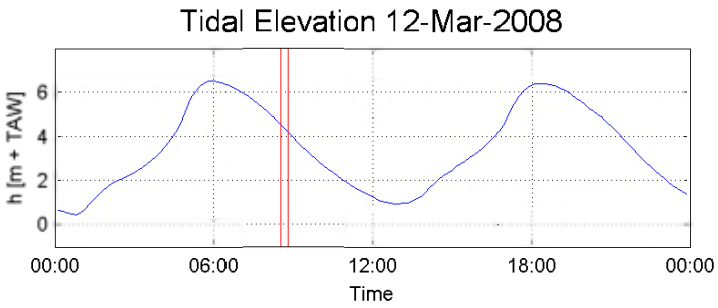
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4010Ya.sil - 4006Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
08:47 - 08:32

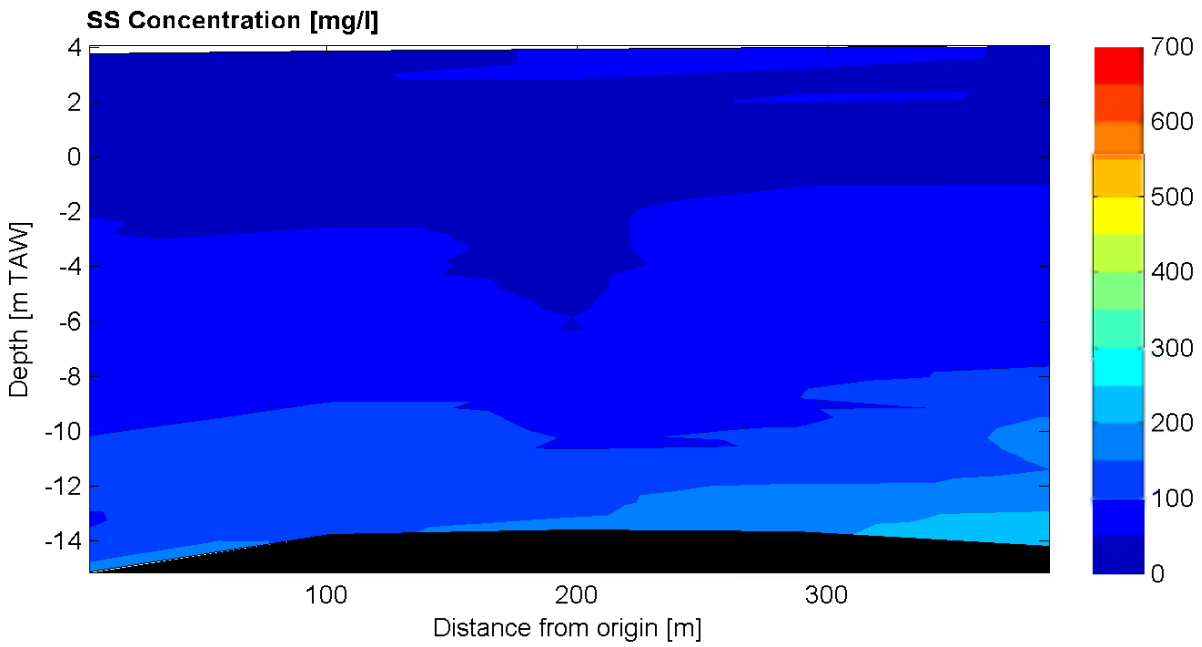
Time after HW [HH:MM]
2:40

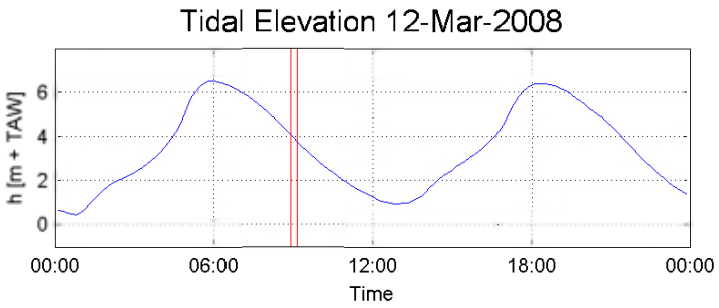
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4015Za.sil - 4011Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
09:09 - 08:54

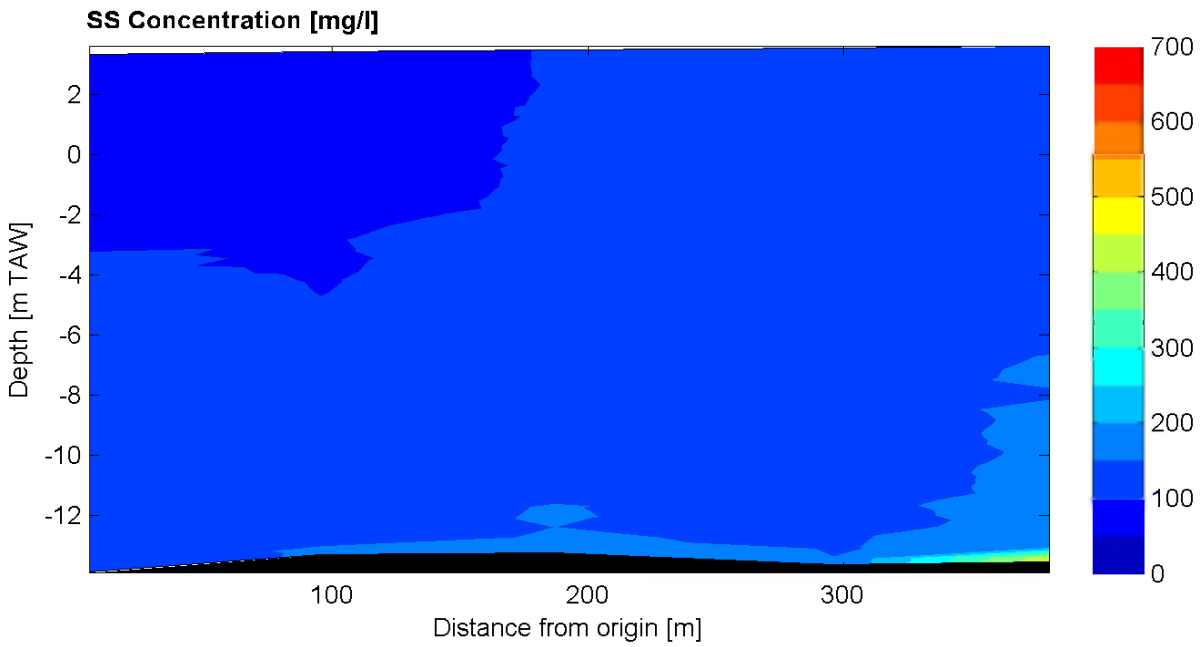
Time after HW [HH:MM]
3:01

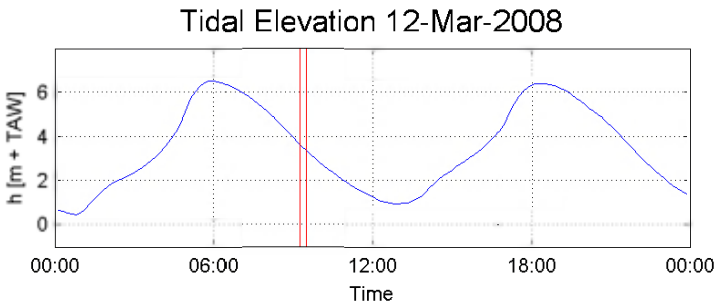
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4020Xa.sil - 4016Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
09:30 - 09:16

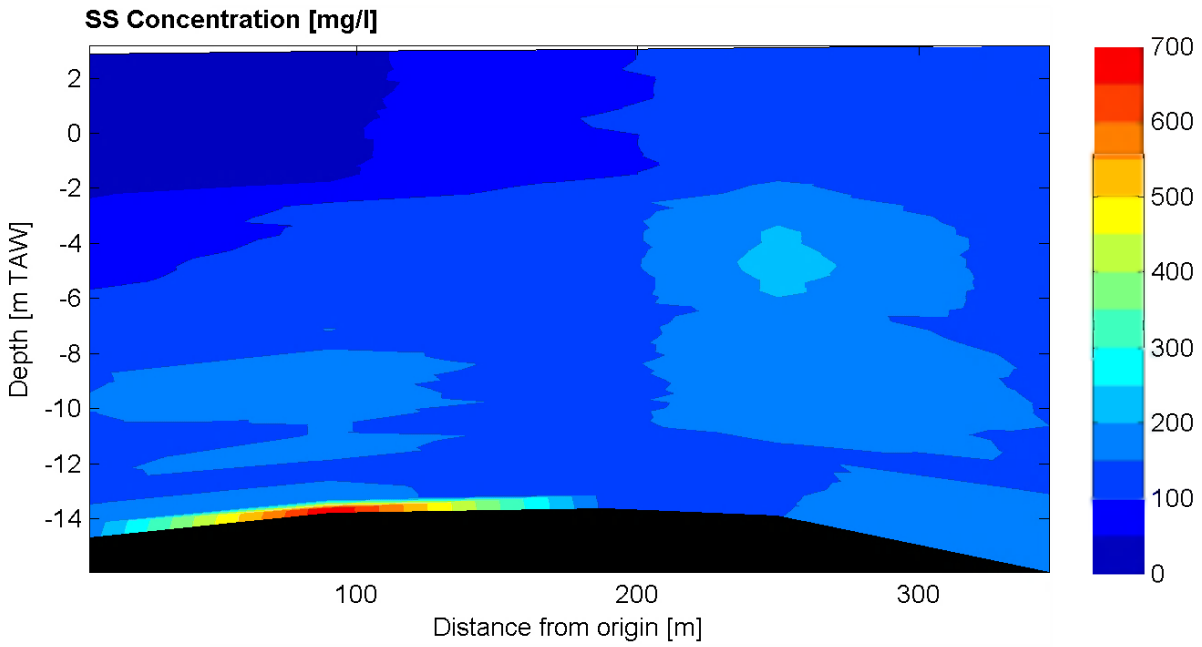
Time after HW [HH:MM]
3:23

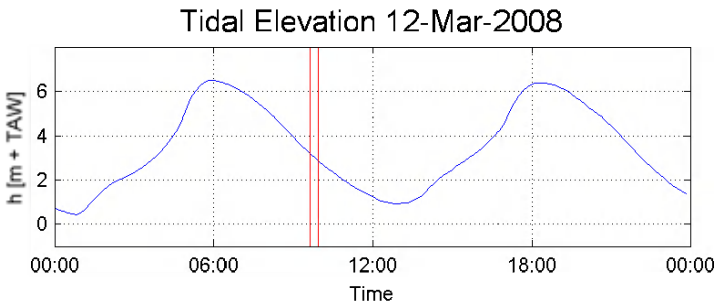
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4025Ya.sil - 4021Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
09:56 - 09:38

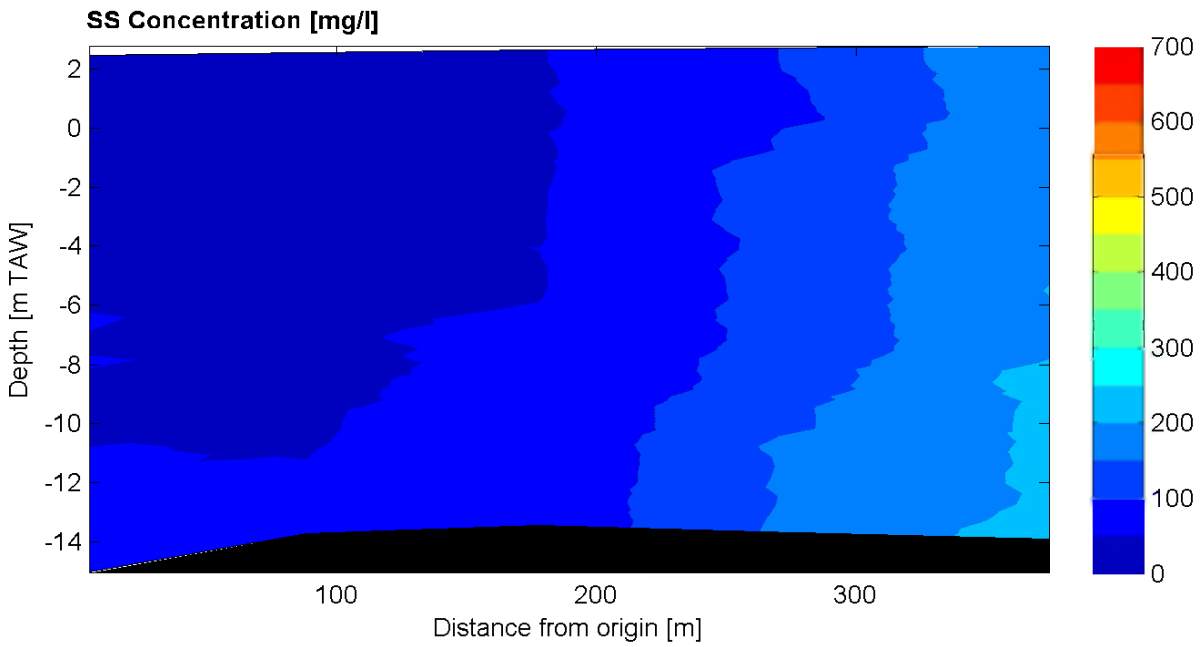
Time after HW [HH:MM]
3:47

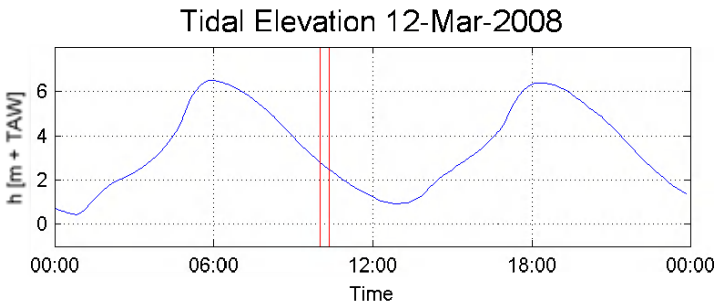
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4030Za.sil - 4026Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

10:22 - 10:02

Time after HW [HH:MM]

4:12

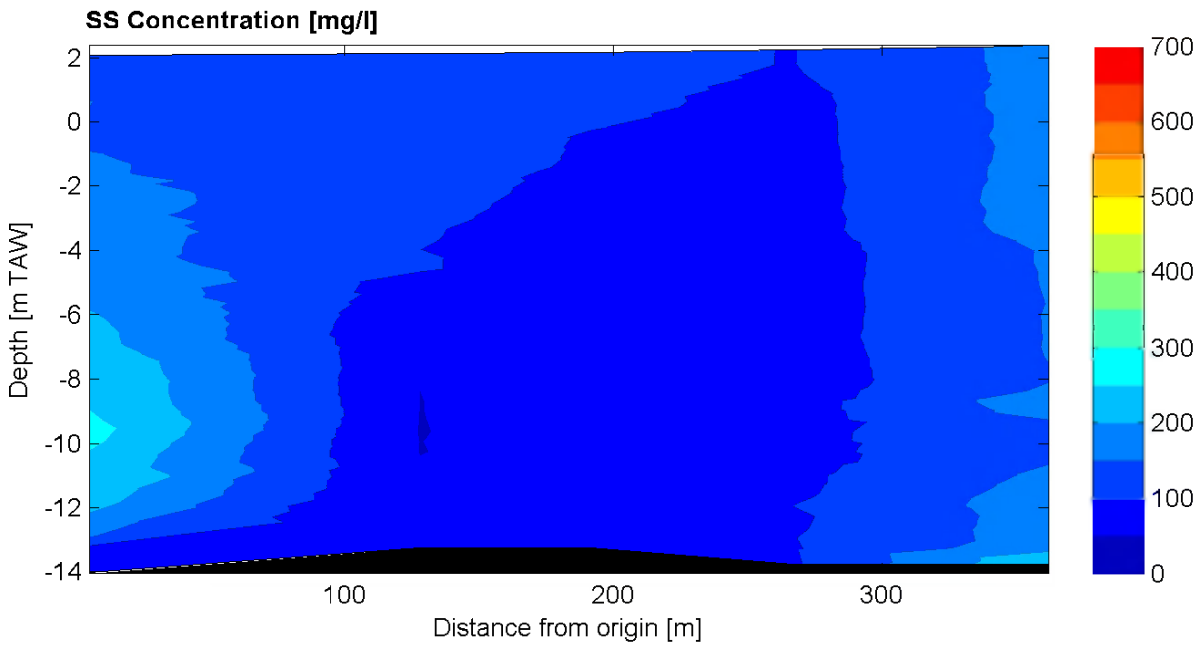
Data Processed by: IMDC

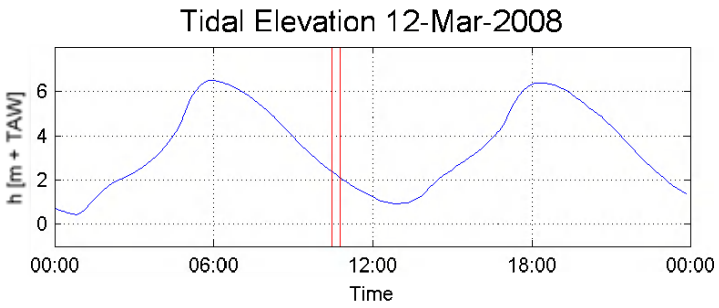
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4035Xa.sil - 4031Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

10:47 - 10:28

Time after HW [HH:MM]

4:38

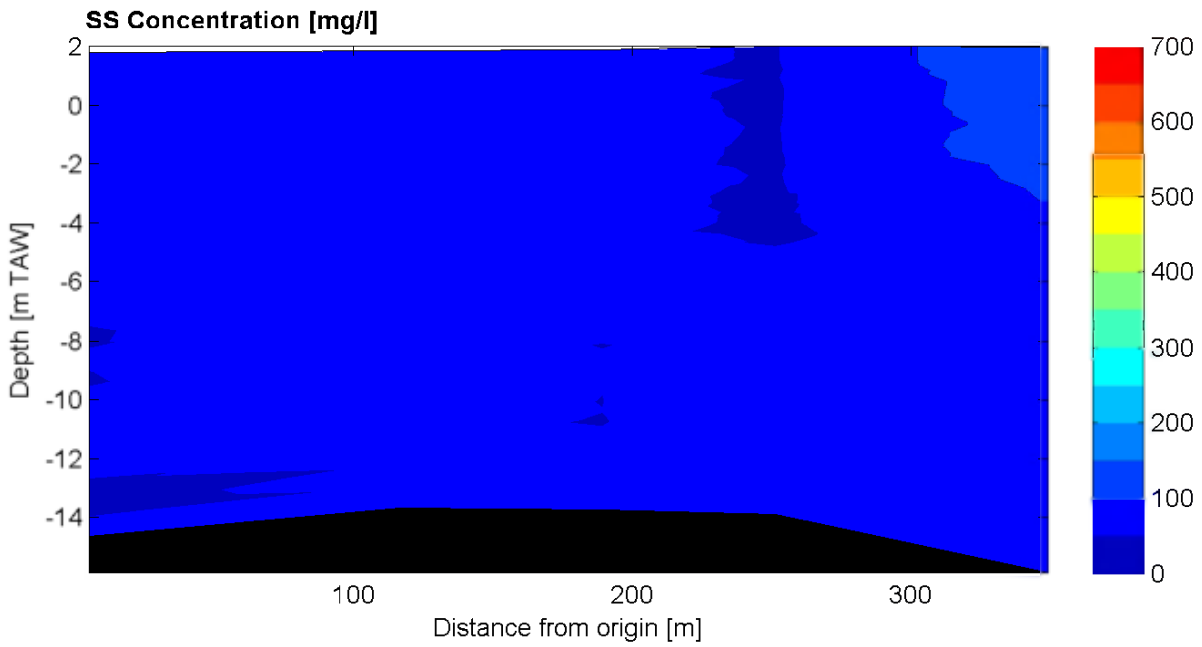
Data Processed by: IMDC

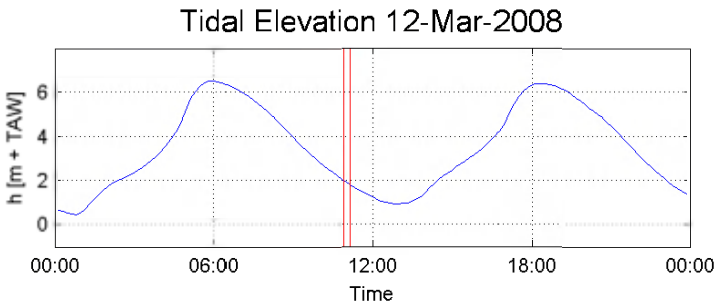
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4040Ya.sil - 4036Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
11:09 - 10:55

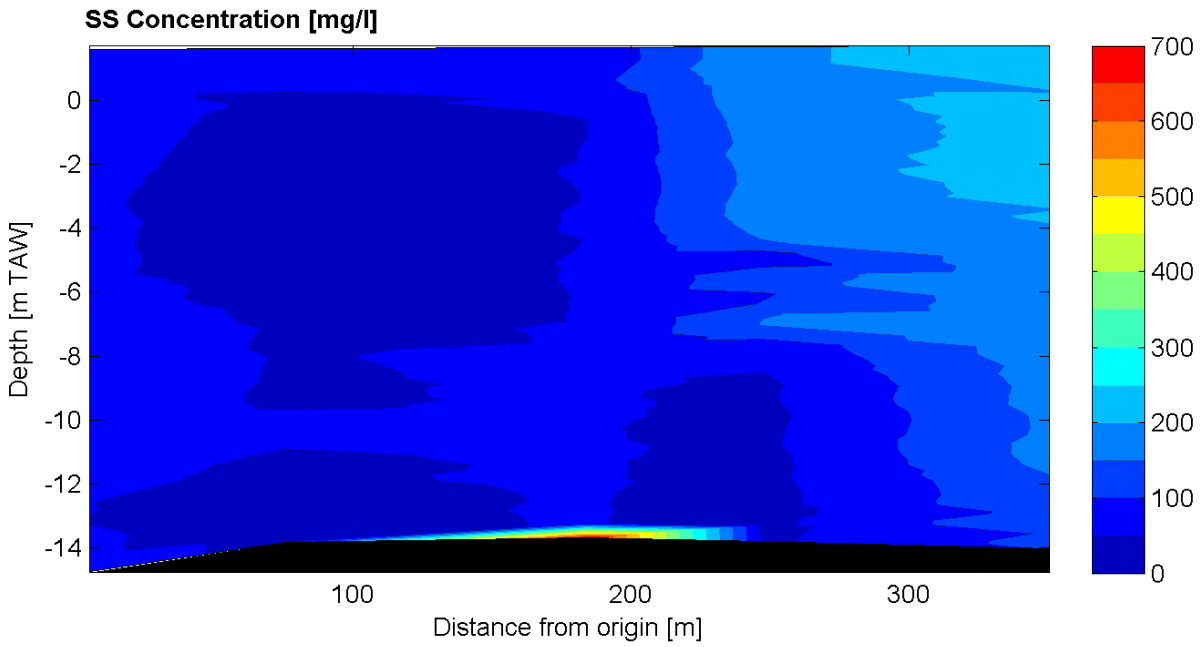
Time after HW [HH:MM]
5:02

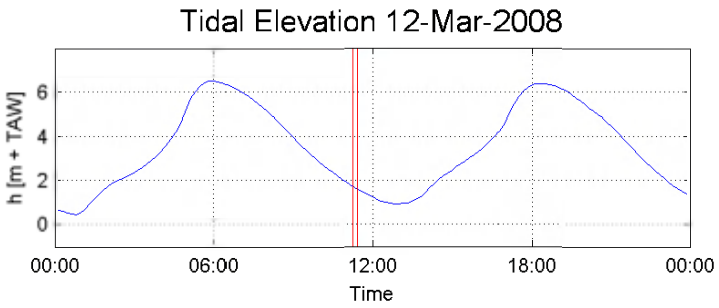
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4045Za.sil - 4041Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
11:26 - 11:15

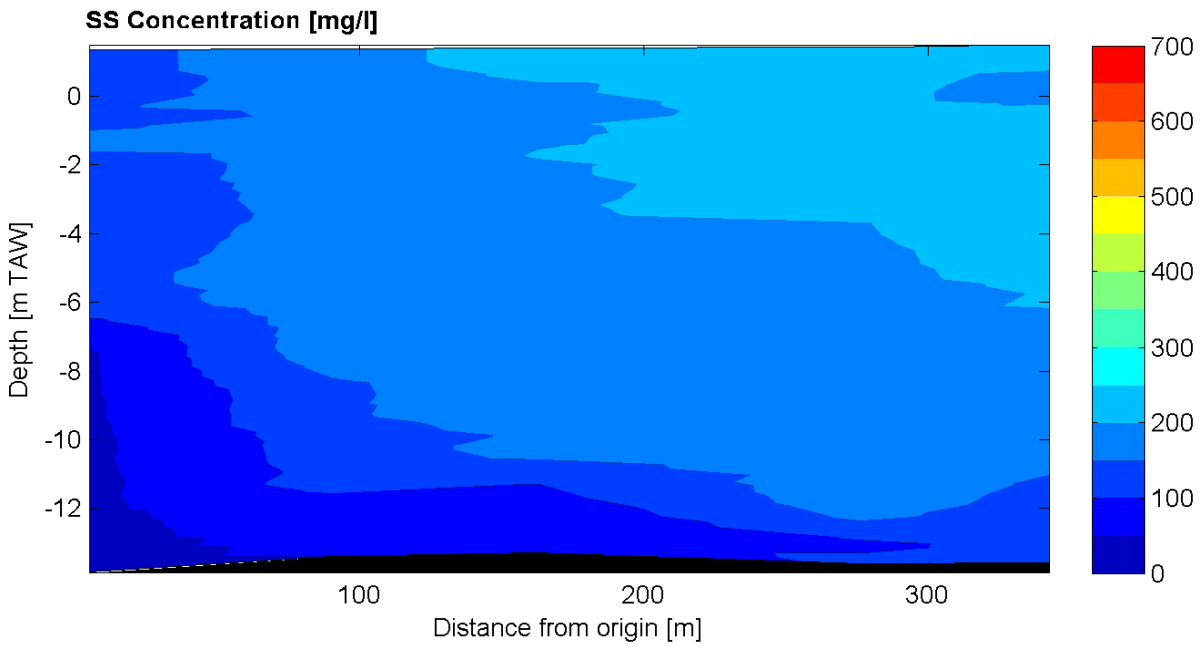
Time after HW [HH:MM]
5:21

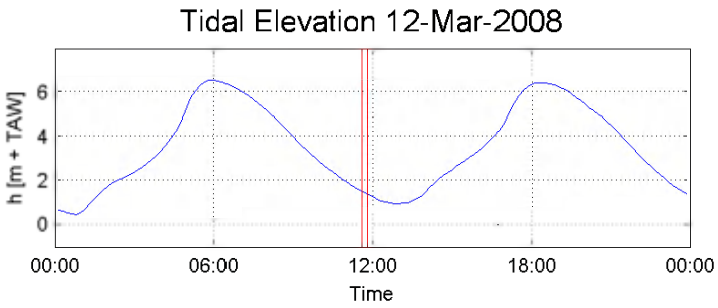
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4051Xa.sil - 4047Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
11:48 - 11:37

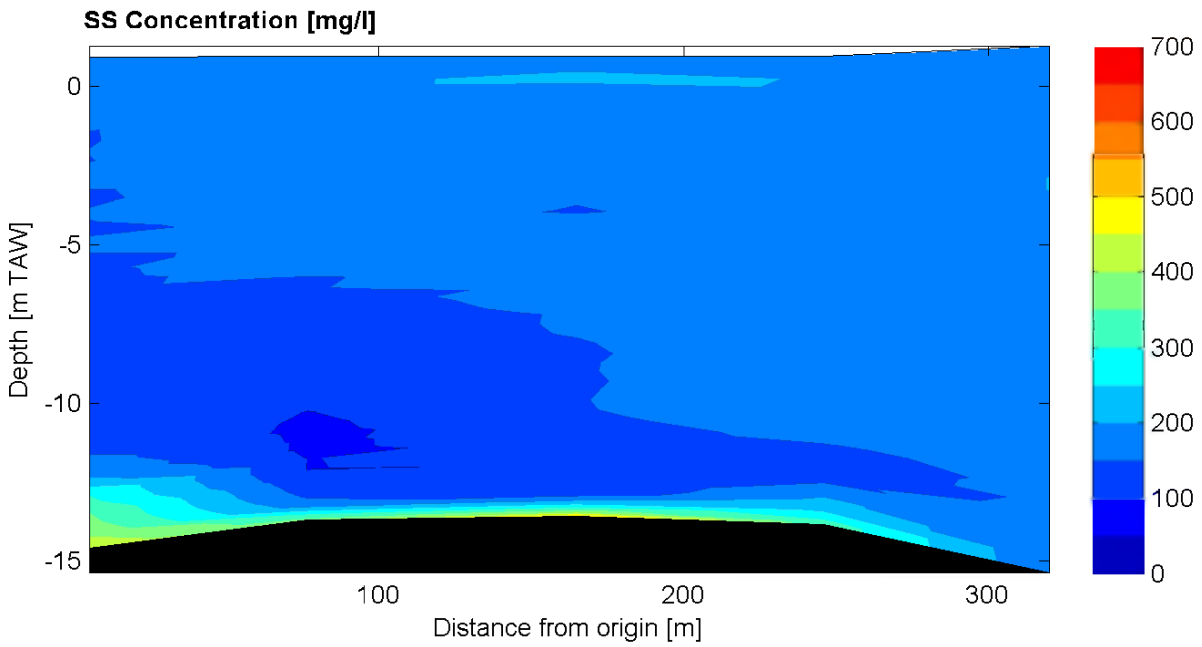
Time after HW [HH:MM]
5:42

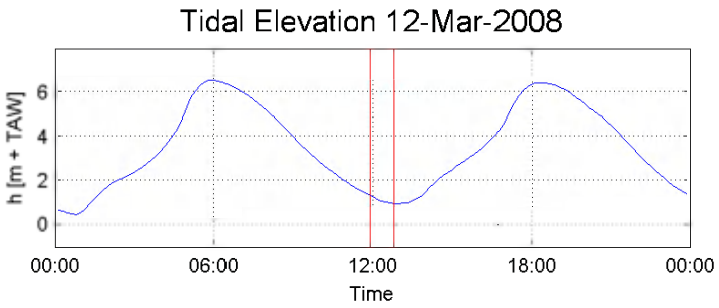
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4056Ya.sil - 4052Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
12:47 - 11:55

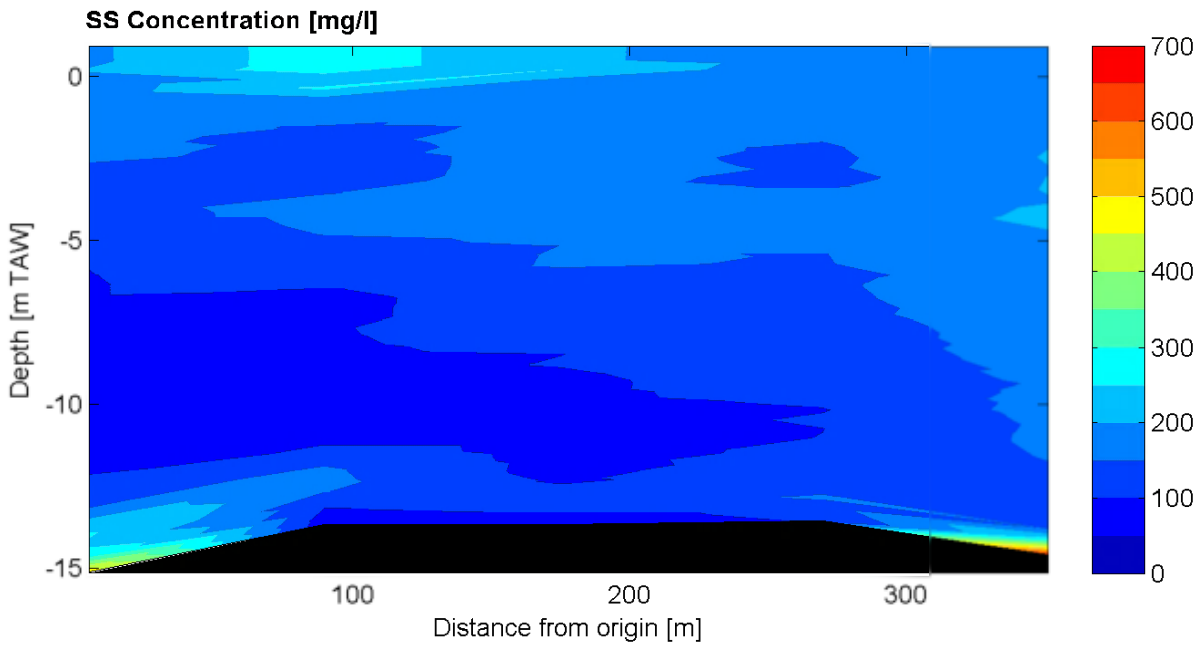
Time after HW [HH:MM]
6:21

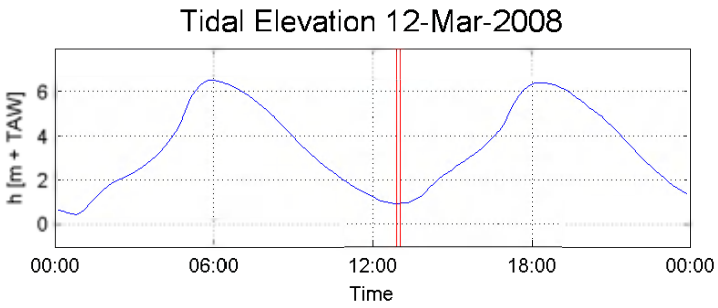
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4061Za.sil - 4057Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
13:03 - 12:54

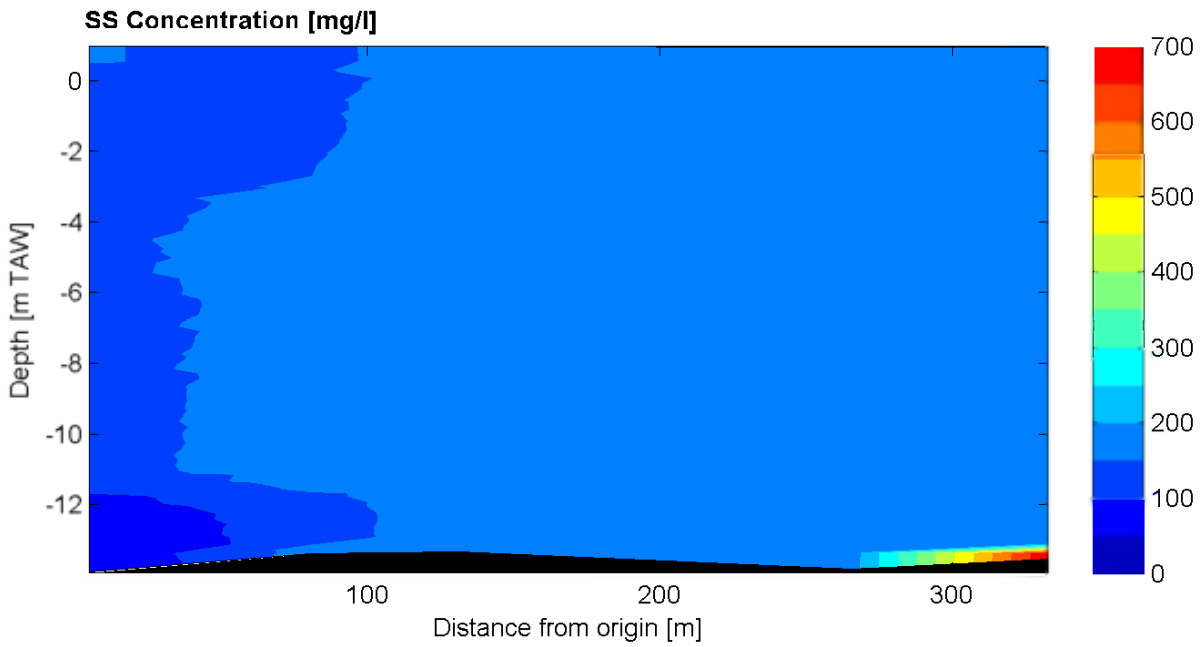
Time after HW [HH:MM]
6:59

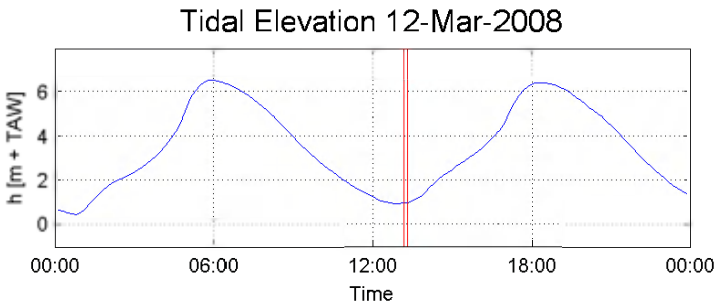
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4066Xa.sil - 4062Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
13:20 - 13:10

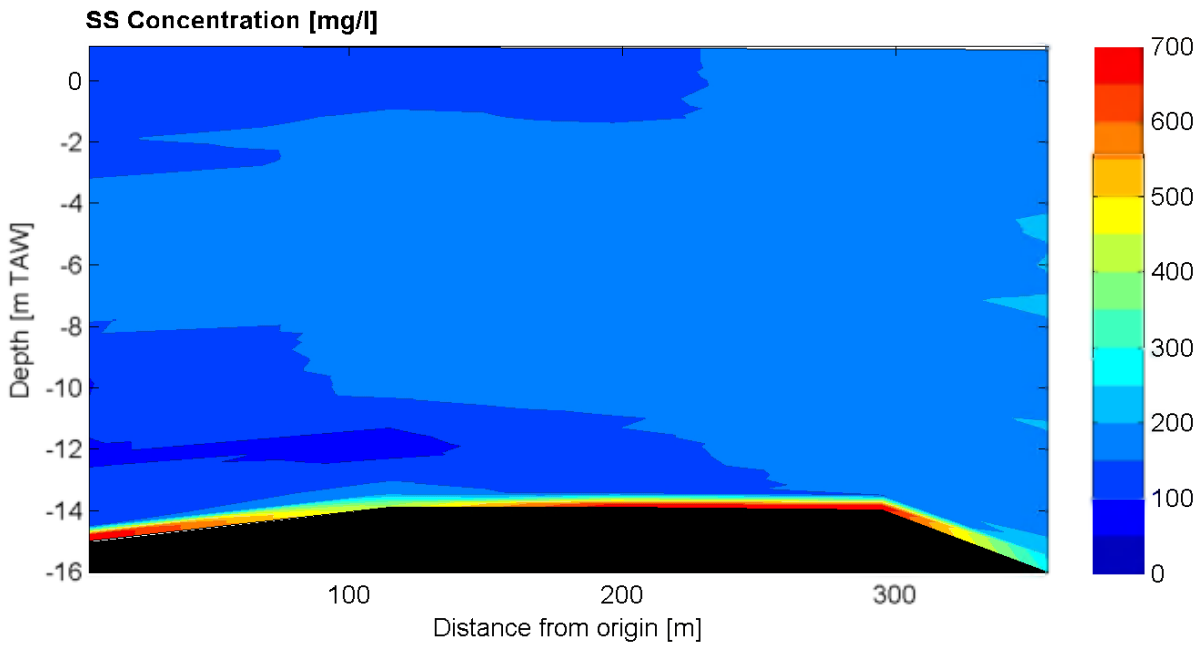
Time after HW [HH:MM]
-5:04

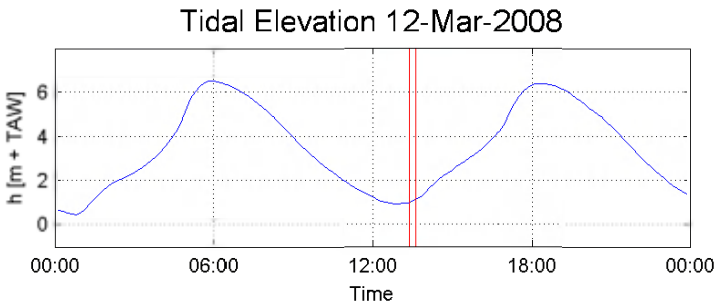
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4071Ya.sil - 4067Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

13:38 - 13:24

Time after HW [HH:MM]

-4:48

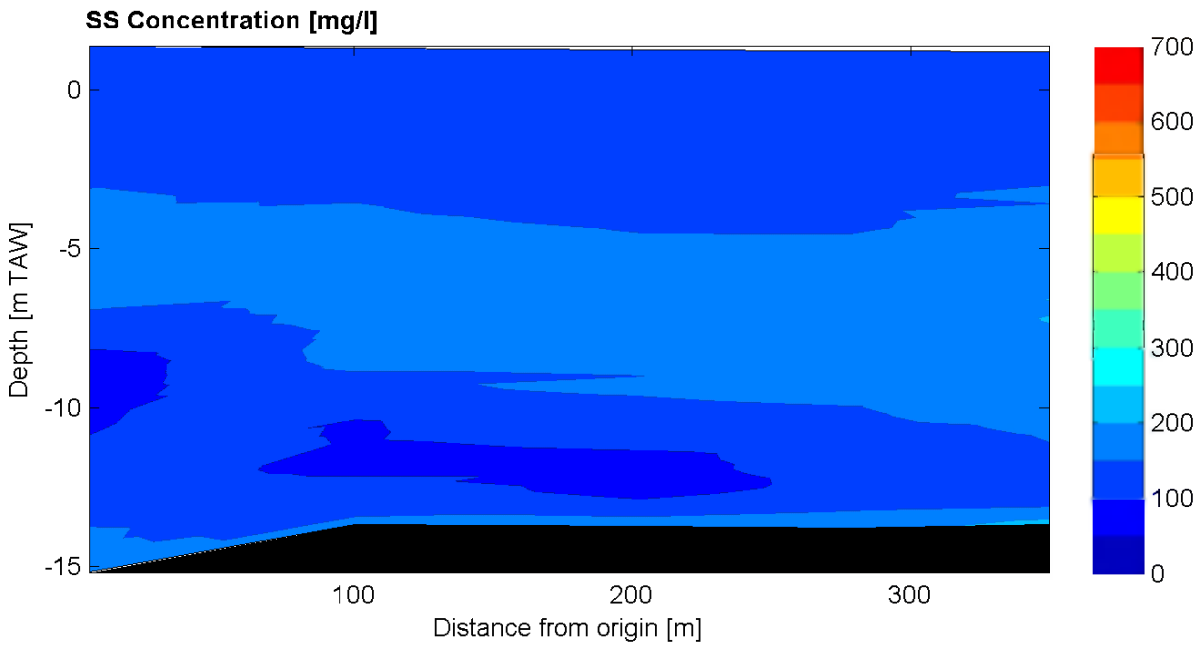
Data Processed by: IMDC

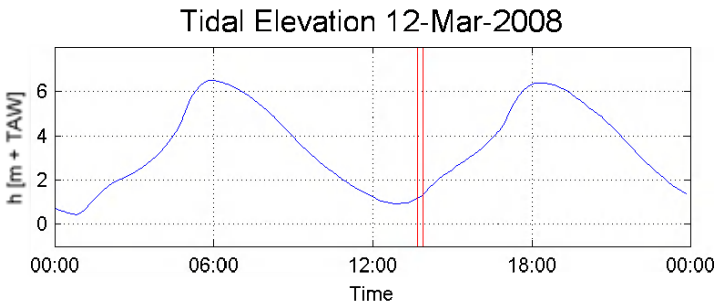
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4076Za.sil - 4072Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

13:55 - 13:42

Time after HW [HH:MM]

-4:30

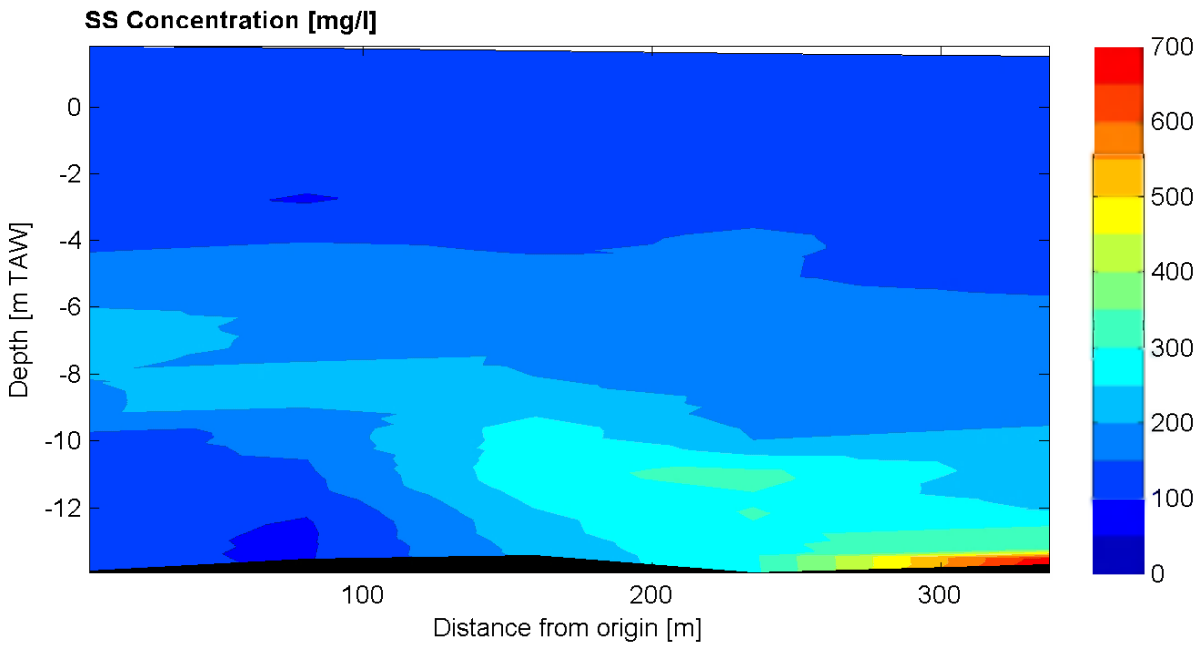
Data Processed by: IMDC

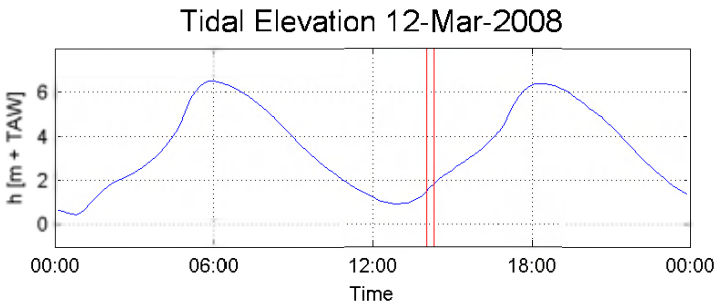
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4081Xa.sil - 4077Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
14:19 - 14:02

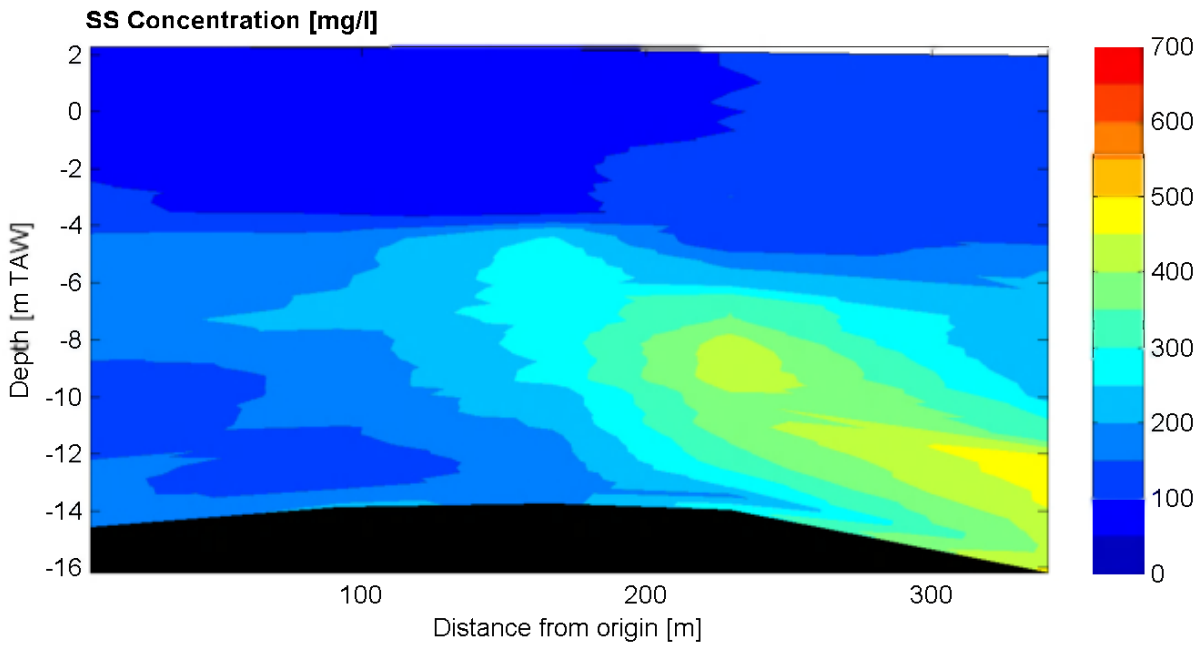
Time after HW [HH:MM]
-4:09

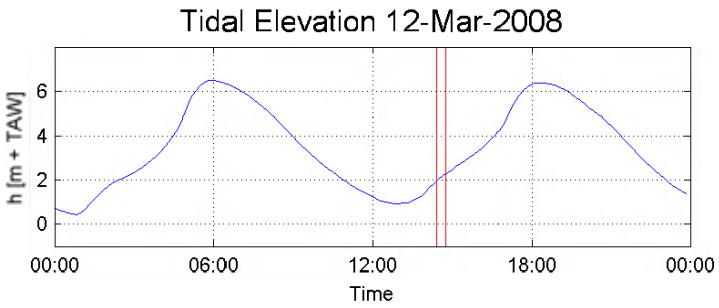
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4086Ya.sil - 4082Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
14:45 - 14:24

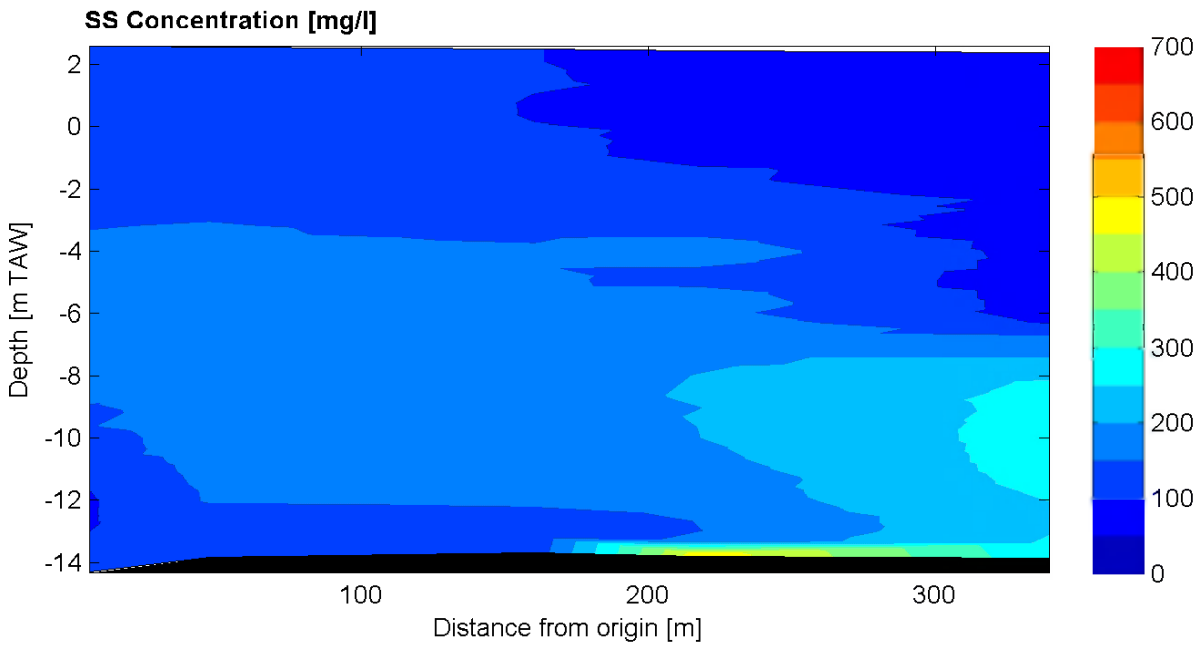
Time after HW [HH:MM]
-3:44

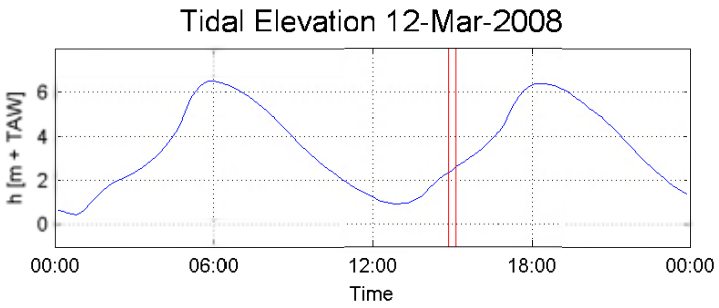
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4091Za.sil - 4087Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
15:09 - 14:53

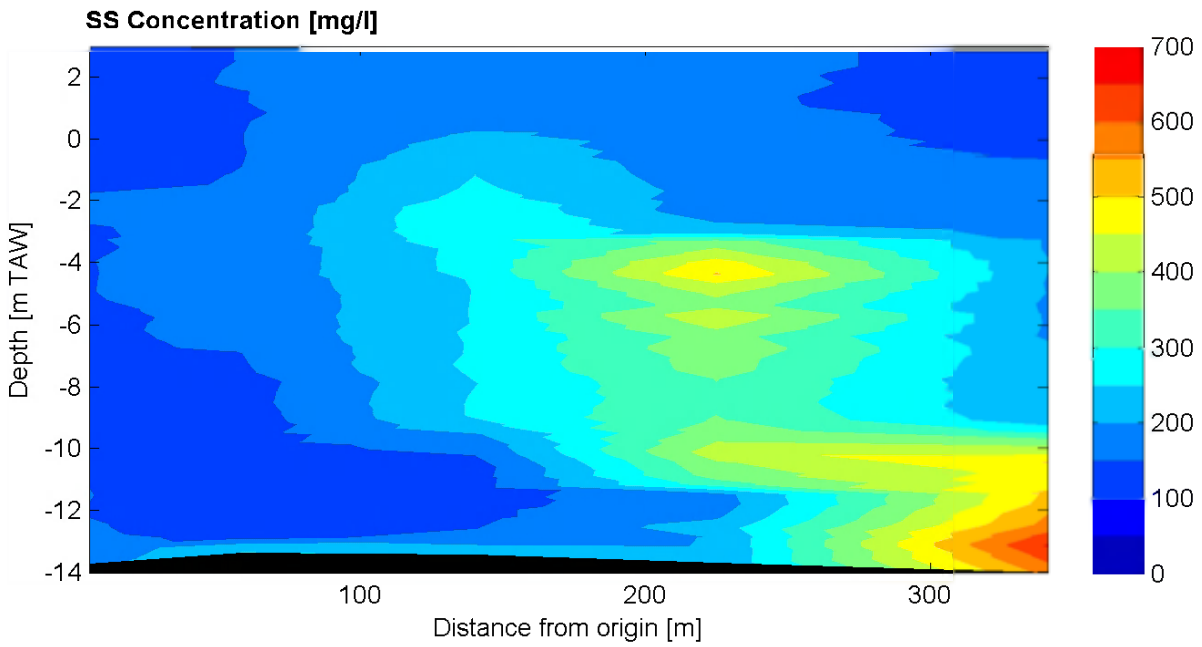
Time after HW [HH:MM]
-3:18

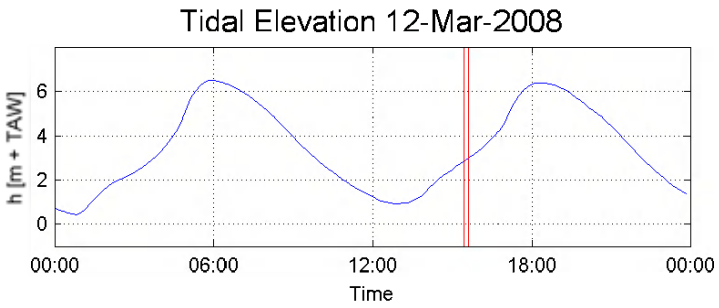
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4097Xa.sil - 4093Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

15:38 - 15:27

Time after HW [HH:MM]

-2:46

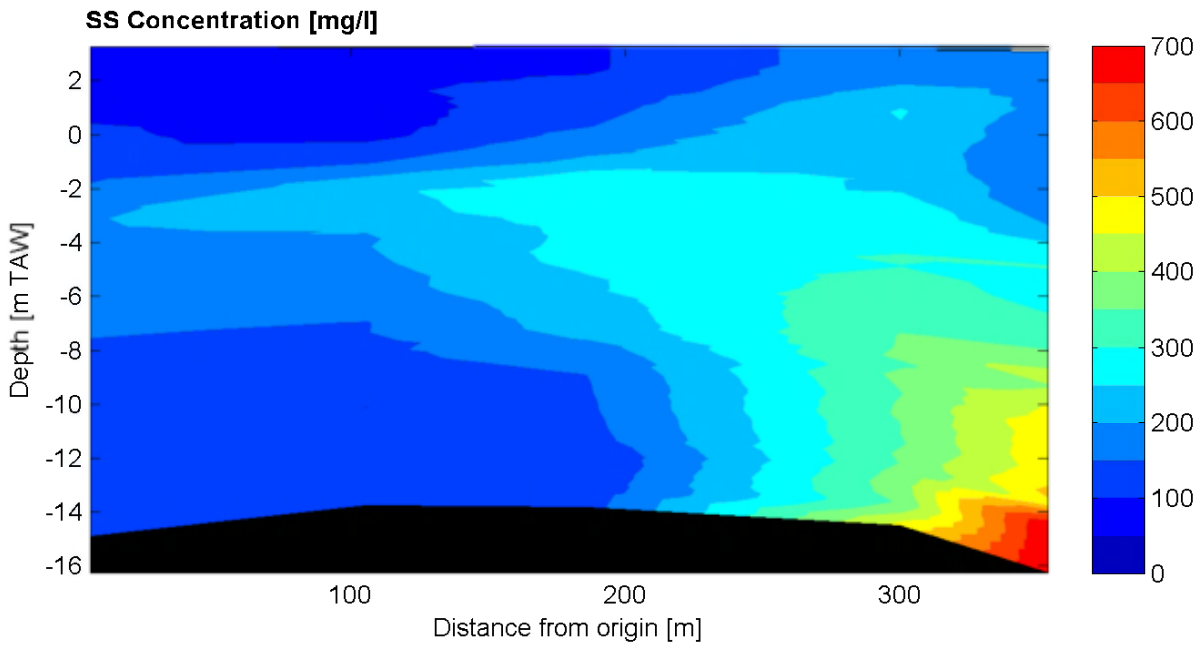
Data Processed by: IMDC

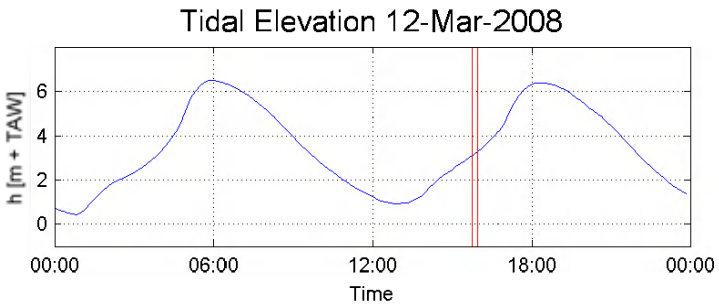
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4102Ya.sil - 4098Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

15:58 - 15:45

Time after HW [HH:MM]

-2:28

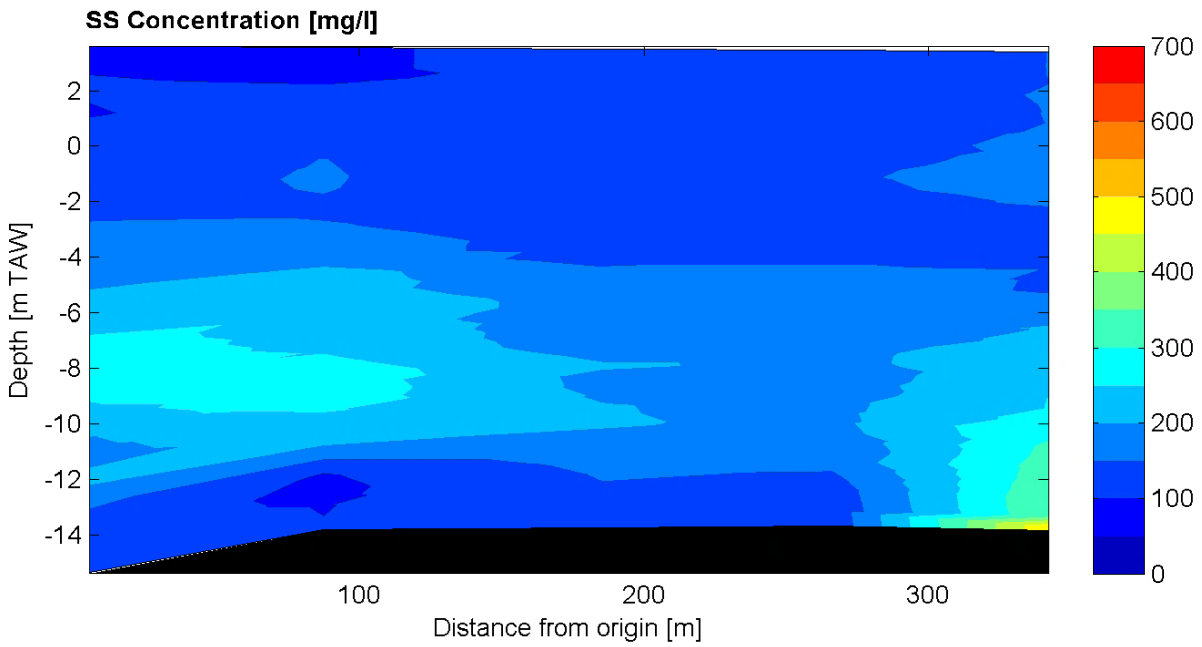
Data Processed by: IMDC

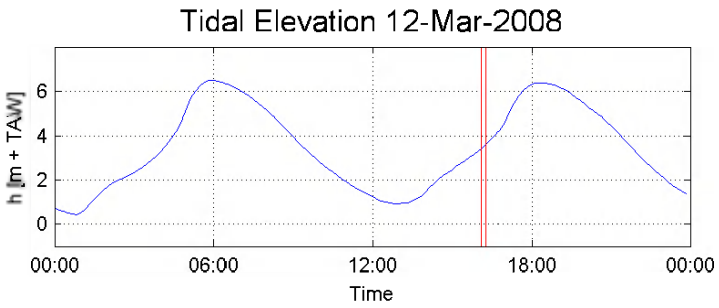
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4107Za.sil - 4103Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

16:17 - 16:06

Time after HW [HH:MM]

-2:07

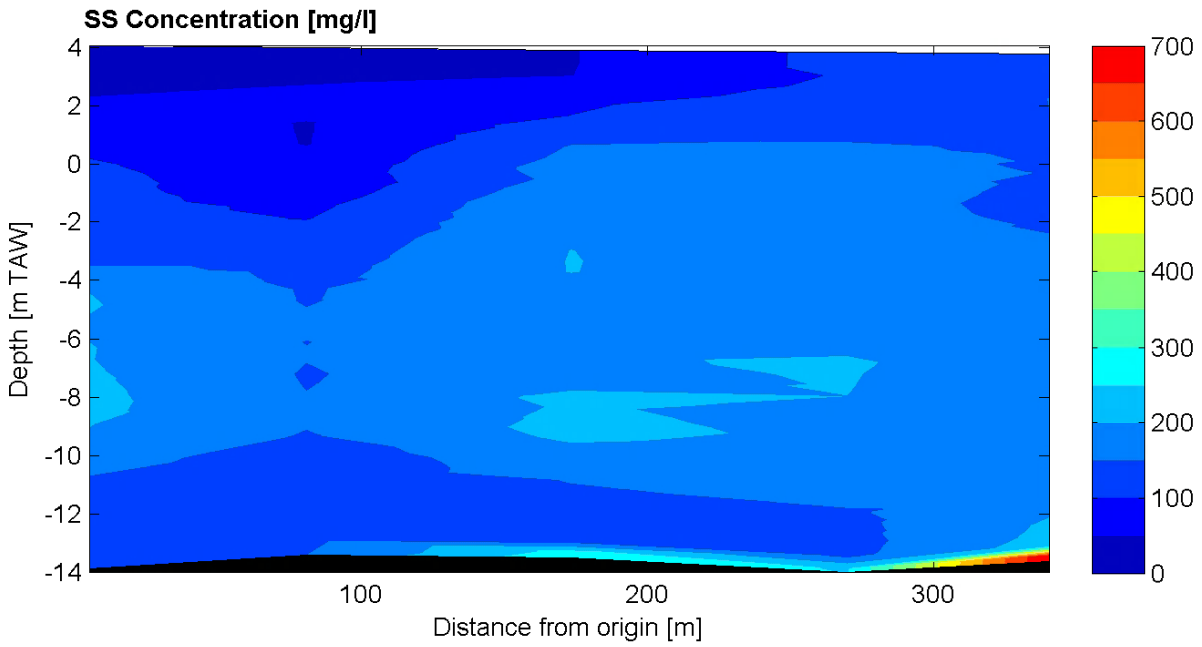
Data Processed by: IMDC

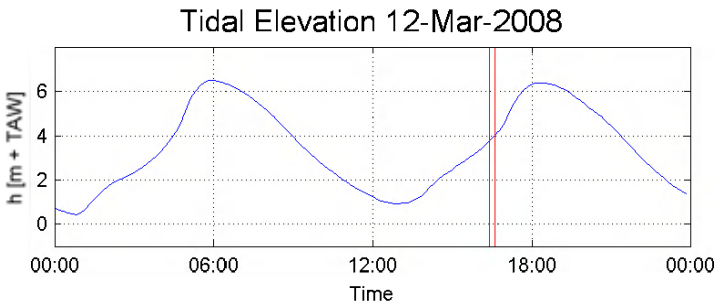
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4112Xa.sil - 4108Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

16:39 - 16:25

Time after HW [HH:MM]

-1:47

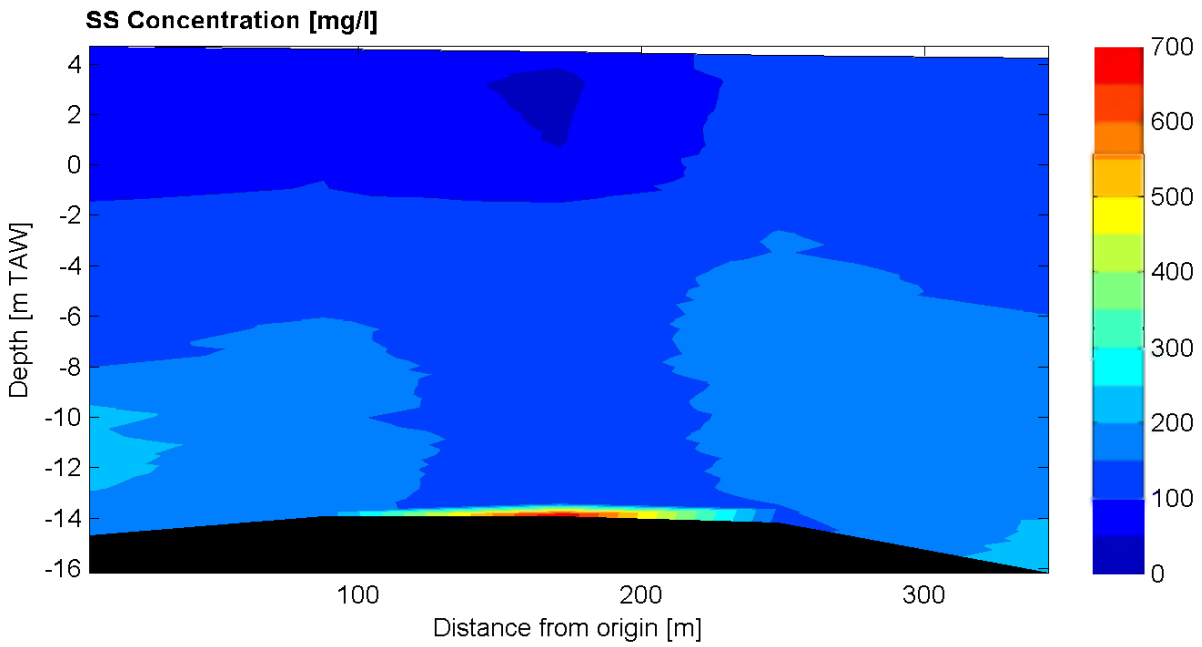
Data Processed by: IMDC

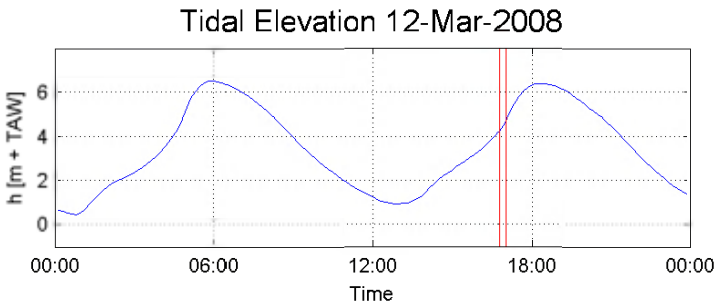
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4117Ya.sil - 4113Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

17:00 - 16:45

Time after HW [HH:MM]

-1:27

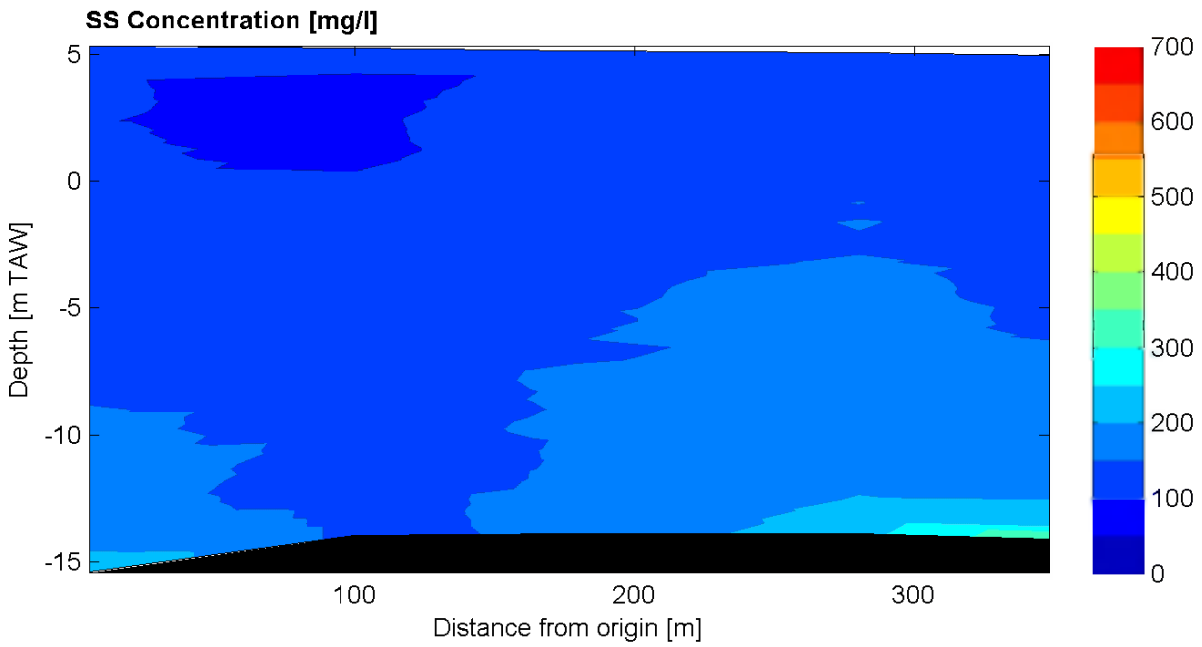
Data Processed by: IMDC

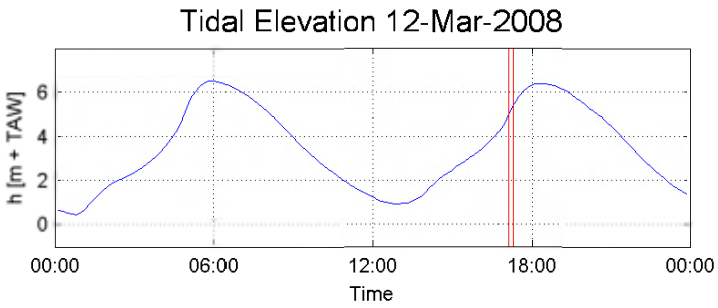
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4122Za.sil - 4118Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
17:17 - 17:06

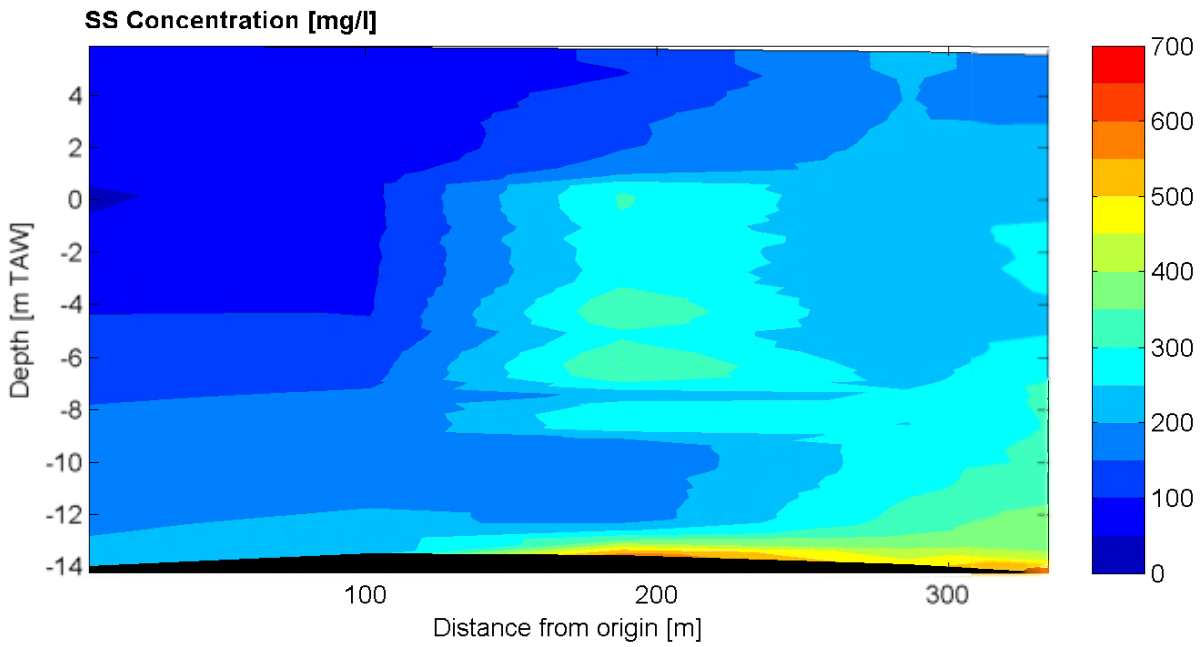
Time after HW [HH:MM]
-1:08

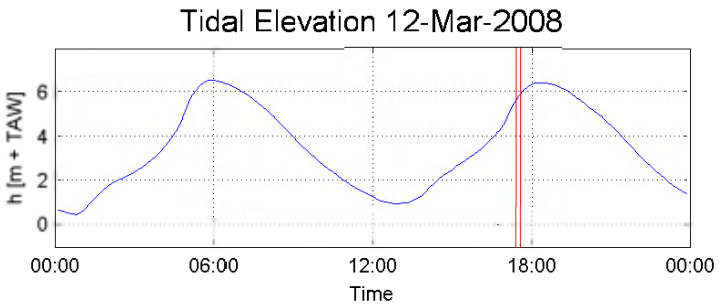
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4127Xa.sil - 4123Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
17:34 - 17:23

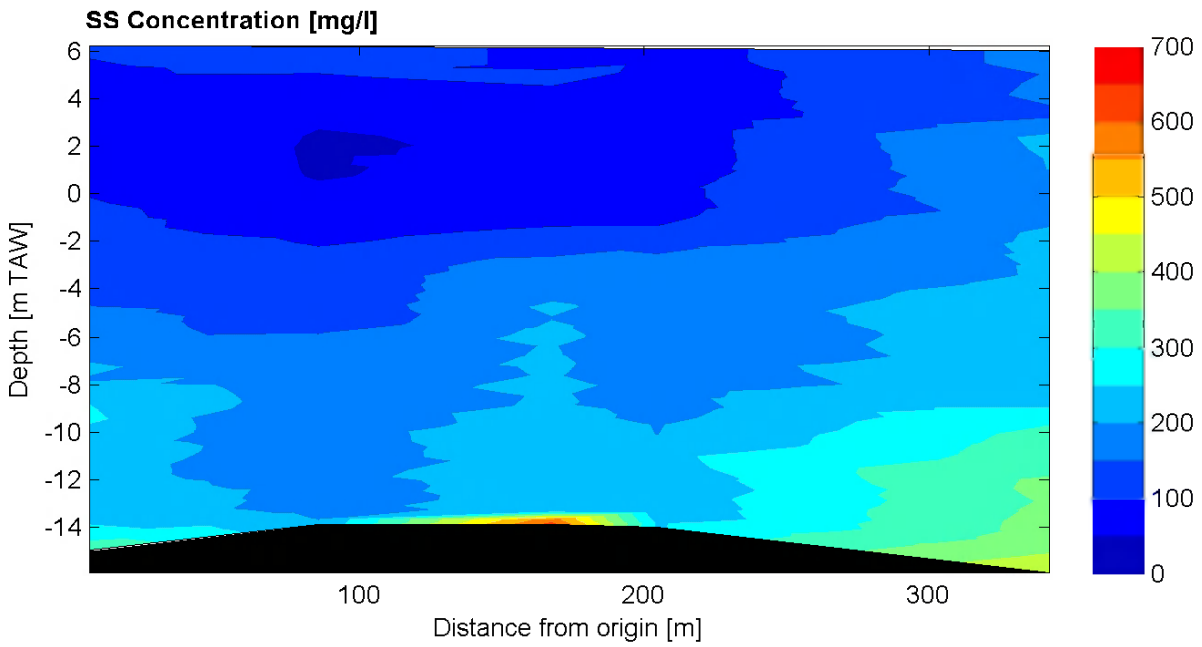
Time after HW [HH:MM]
-0:50

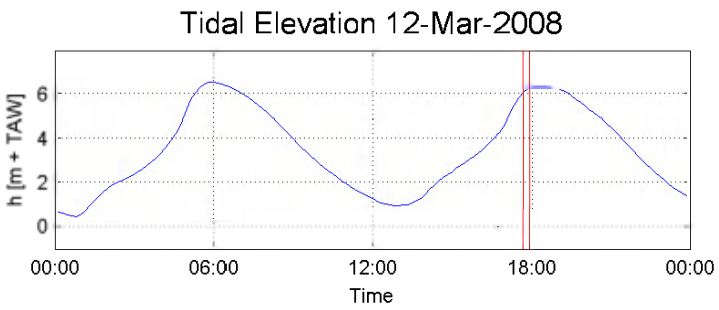
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4132Ya.sil - 4128Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

17:54 - 17:40

Time after HW [HH:MM]

-0:32

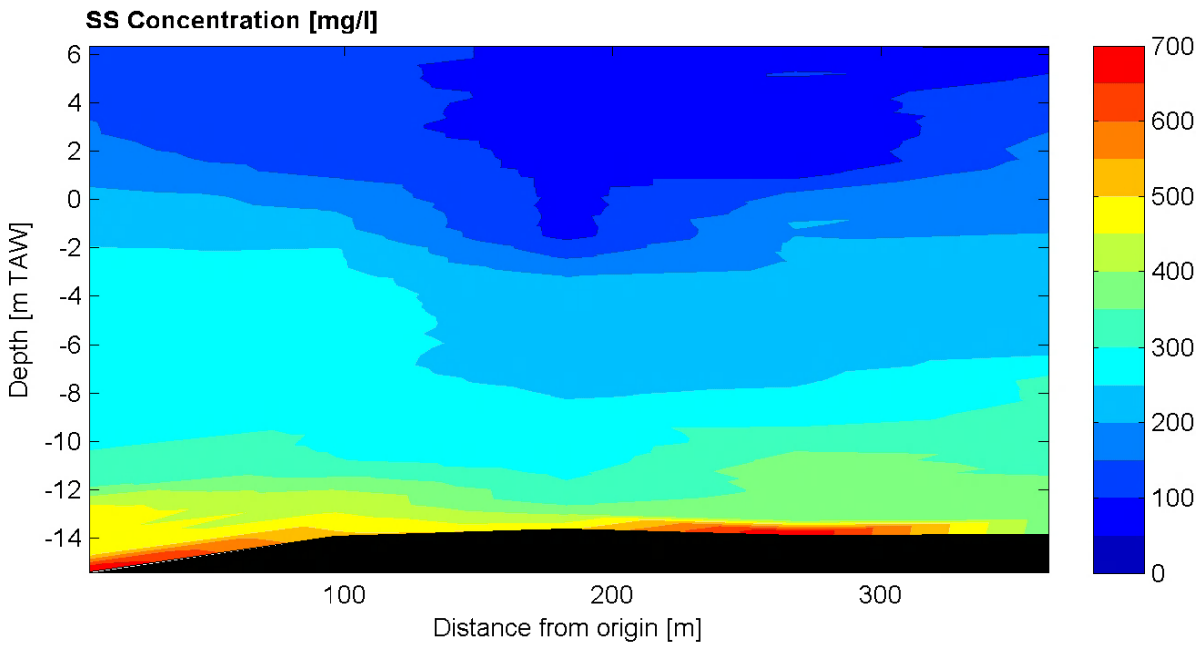
Data Processed by: IMDC

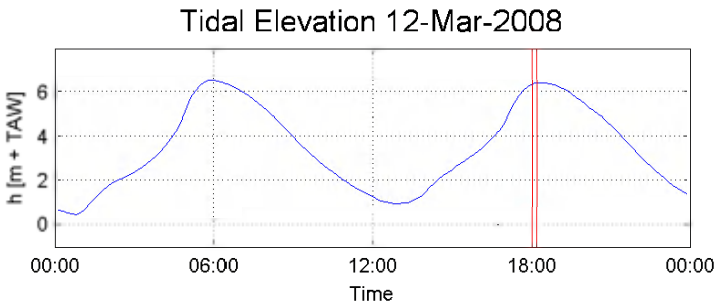
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4137Za.sil - 4133Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

18:12 - 18:00

Time after HW [HH:MM]

-0:13

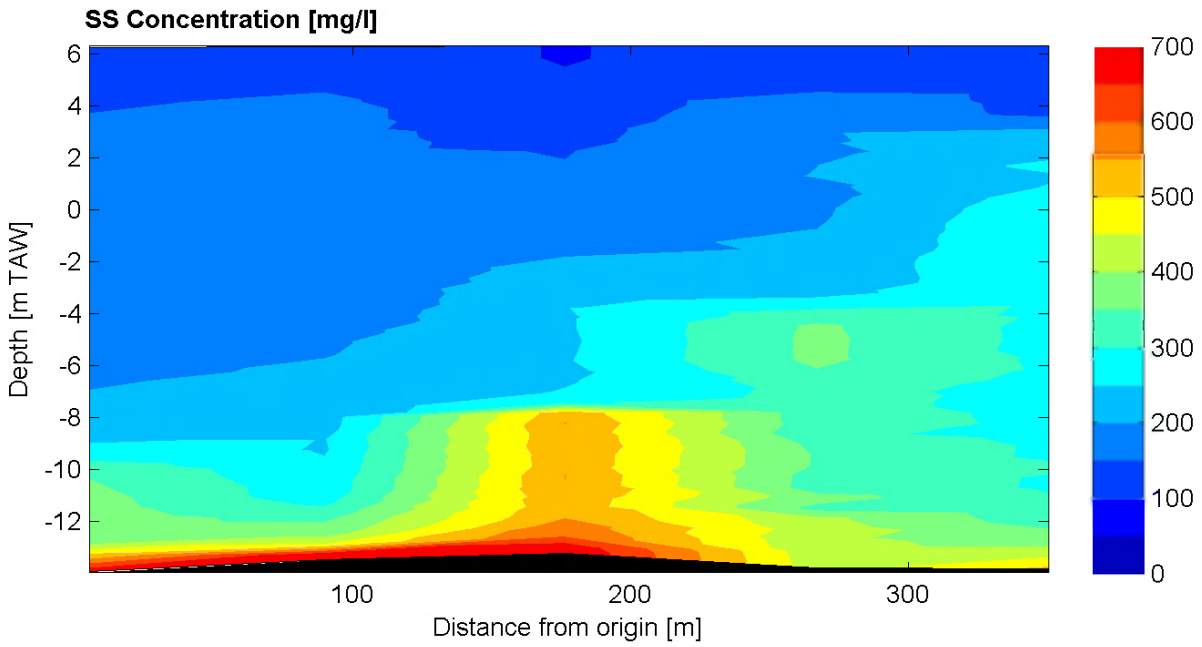
Data Processed by: IMDC

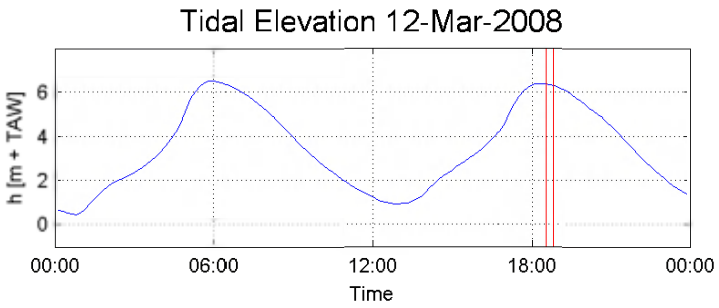
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4143Xa.sil - 4139Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
18:49 - 18:31

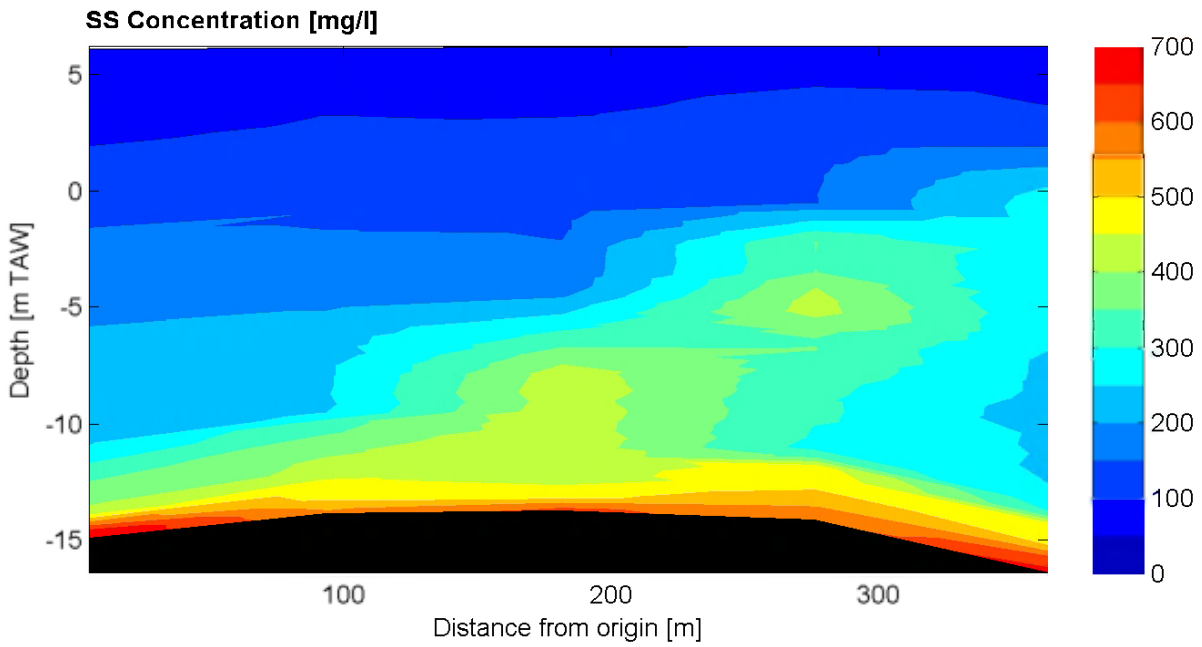
Time after HW [HH:MM]
0:20

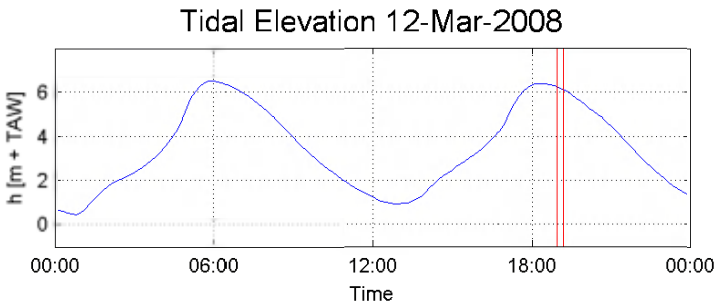
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4148Ya.sil - 4144Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
19:11 - 18:56

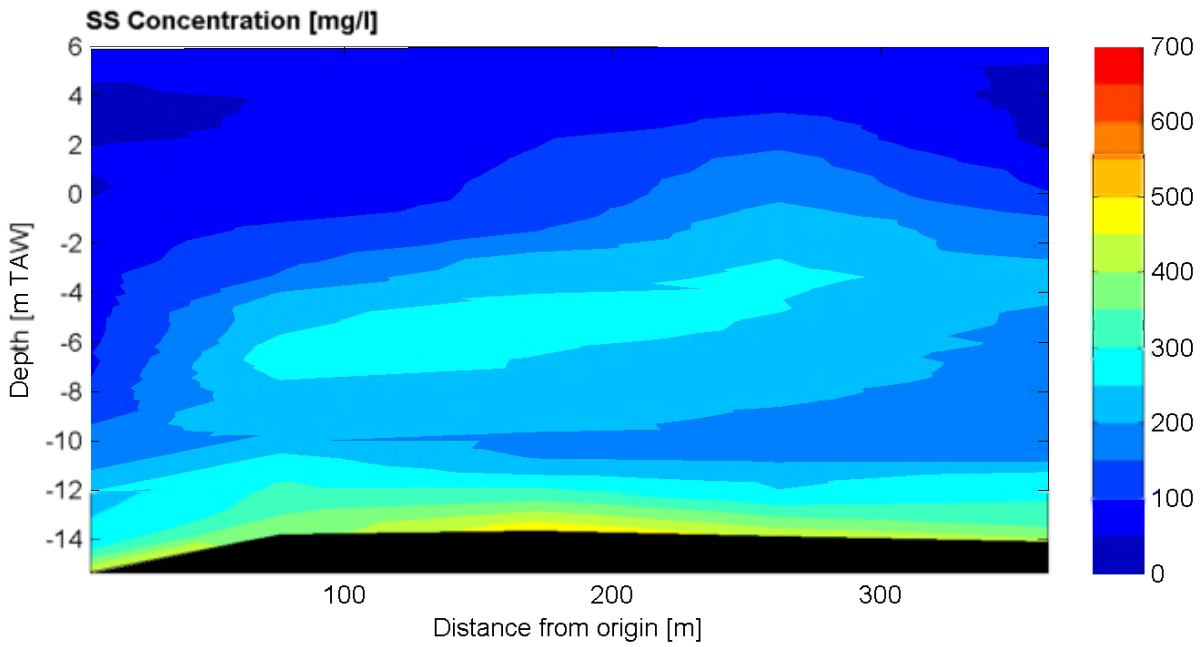
Time after HW [HH:MM]
0:44

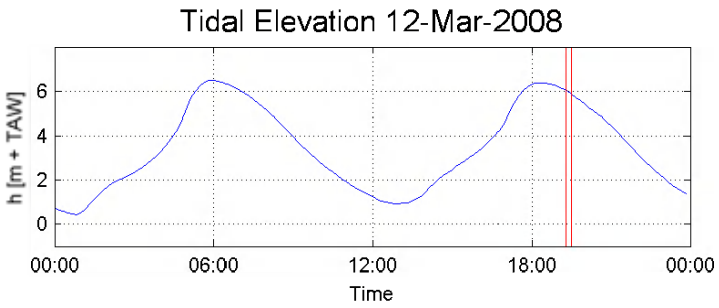
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4153Za.sil - 4149Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :

12-Mar-2008

19:30 - 19:18

Time after HW [HH:MM]

1:04

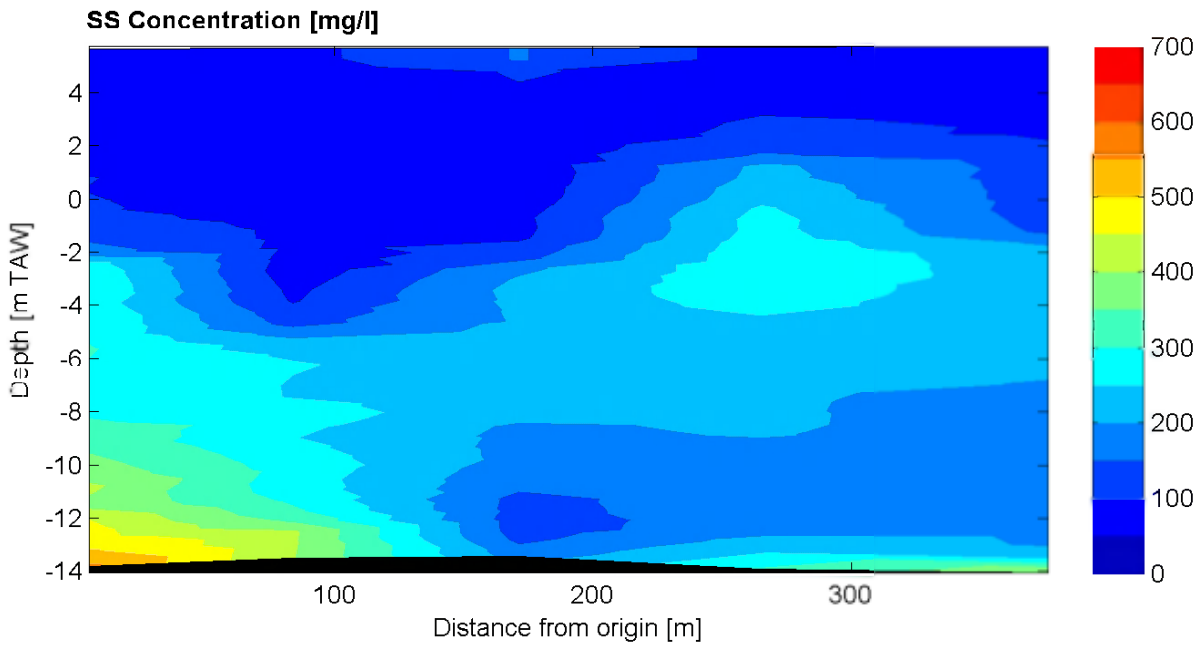
Data Processed by: IMDC

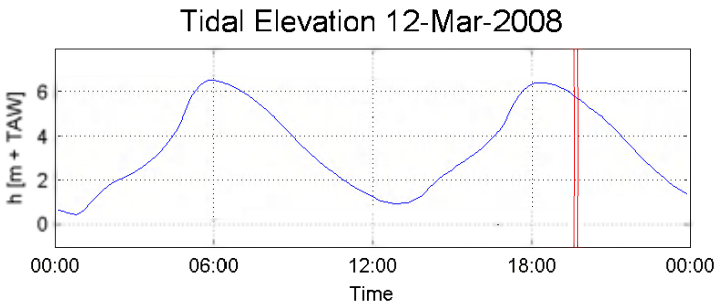
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4158Xa.sil - 4154Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
19:44 - 19:36

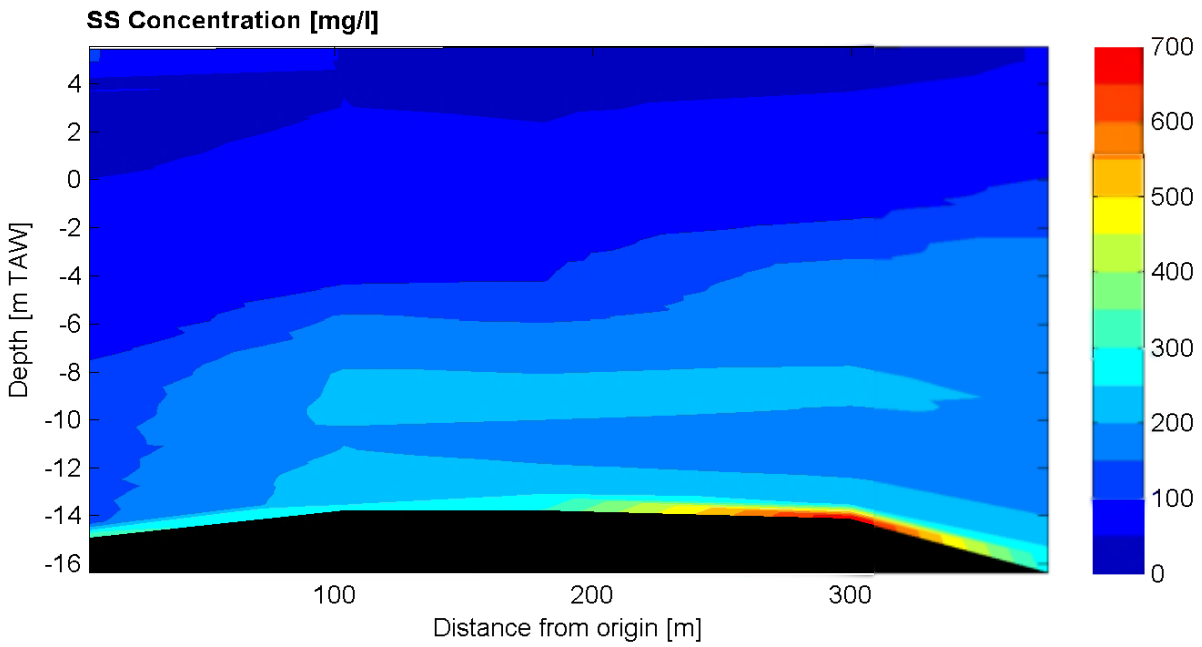
Time after HW [HH:MM]
1:20

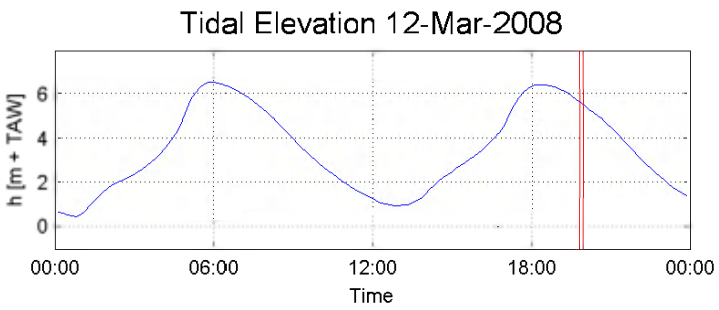
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4163Ya.sil - 4159Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
19:57 - 19:48

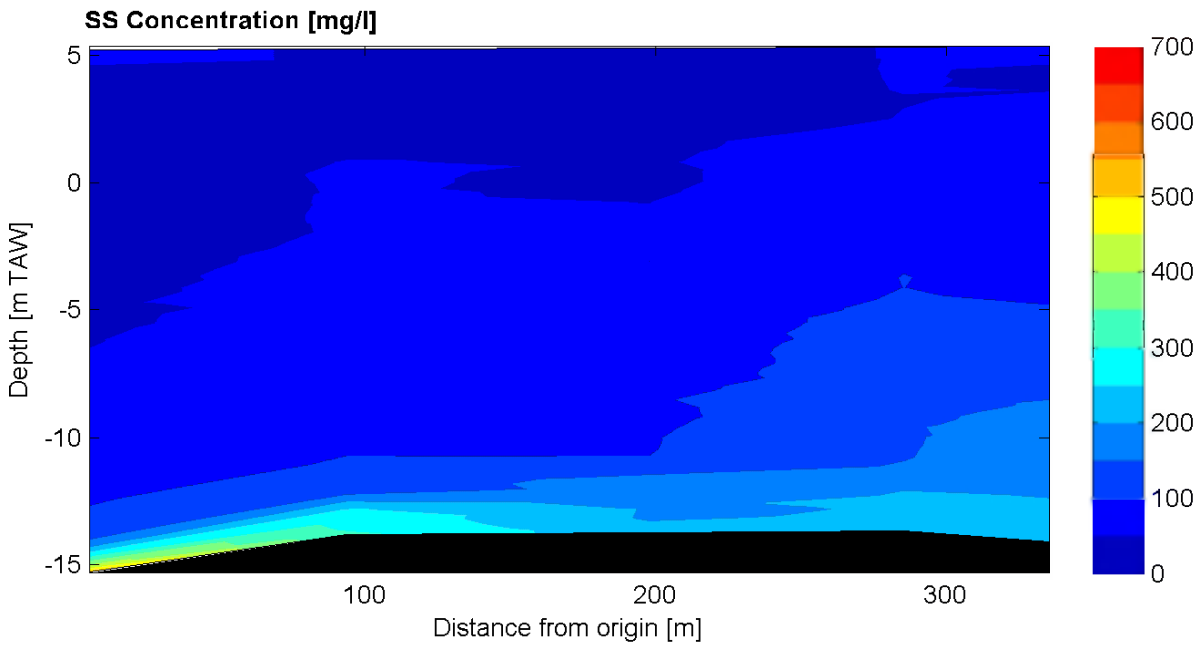
Time after HW [HH:MM]
1:32

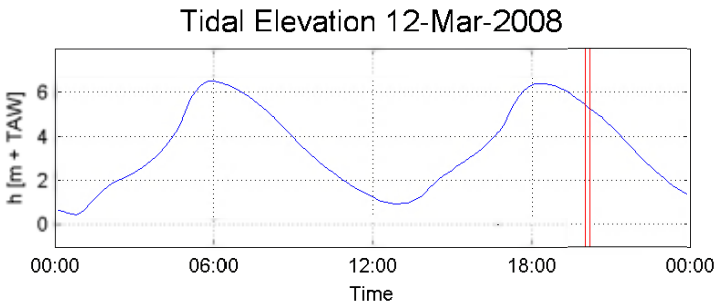
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4168Za.sil - 4164Ze.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
20:10 - 20:01

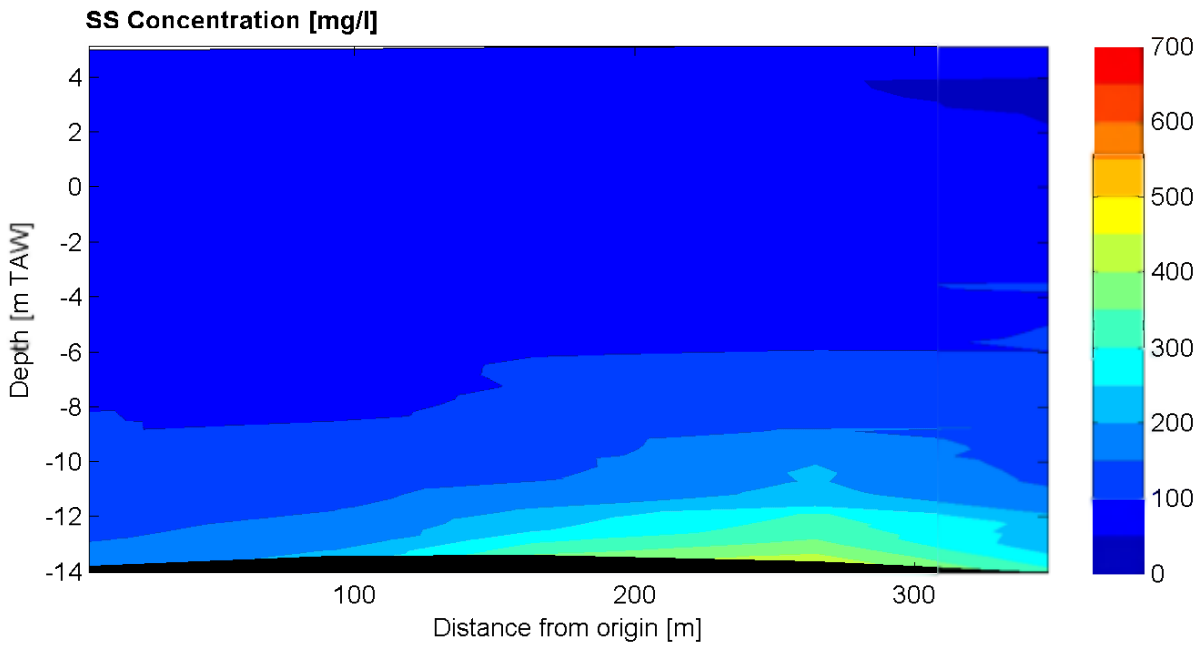
Time after HW [HH:MM]
1:46

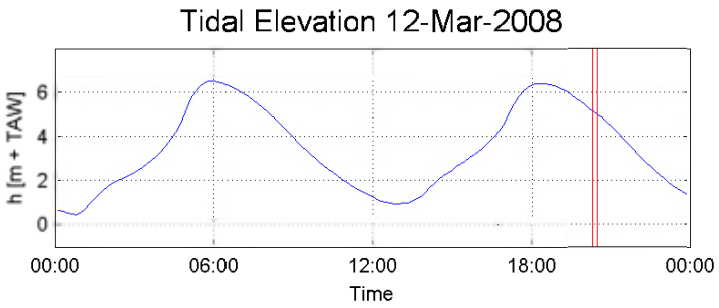
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4173Xa.sil - 4169Xe.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
20:27 - 20:17

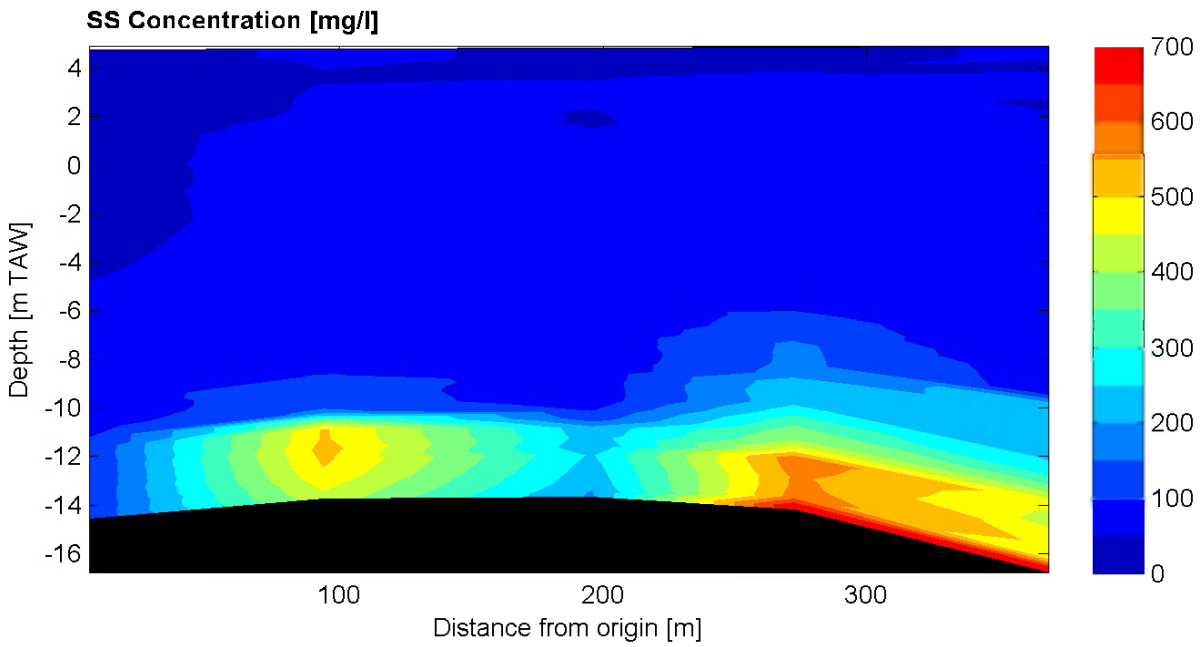
Time after HW [HH:MM]
2:02

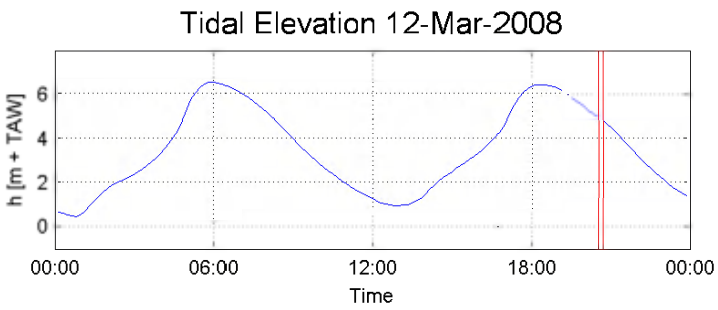
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4178Ya.sil - 4174Ye.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
20:41 - 20:32

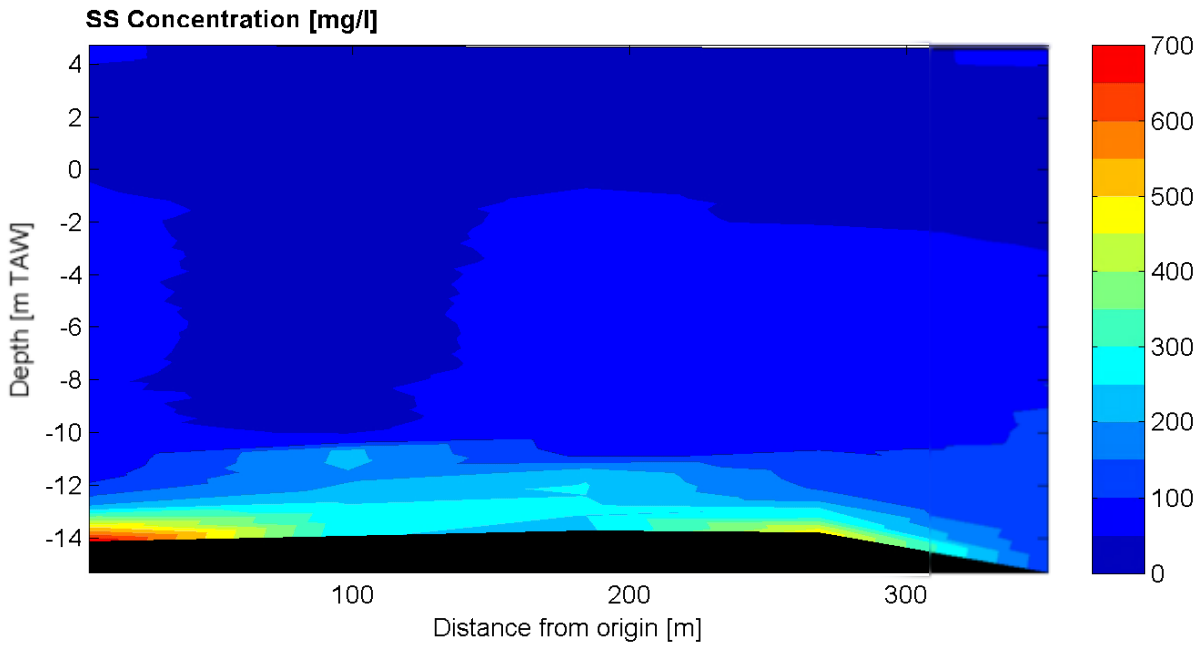
Time after HW [HH:MM]
2:17

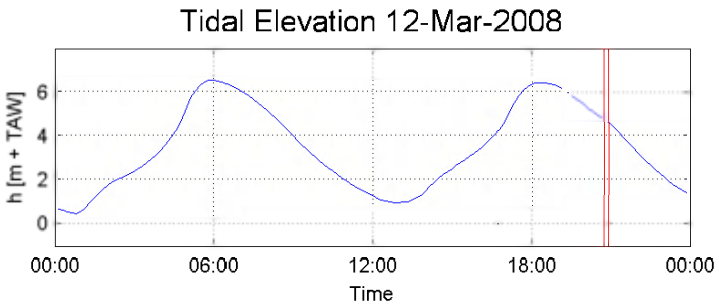
Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

Through tide measurement Siltprofiler 12 March 2008

11283	Equipment(s): SiltProfiler
Sourcefile: 4179Ze.sil - 4183Za.sil	Location: Deurganckdok





Slack water: 06:00: h = 6.49 m+TAW
18:20: h = 6.36 m+TAW
13:00: h = 0.93 m+TAW

Date / Time [MET] :
12-Mar-2008
20:45 - 20:54

Time after HW [HH:MM]
2:30

Data Processed by: IMDC
In association with :

I/RA/11283/07.091/MSA

APPENDIX J.

OVERVIEW OF HCBS2 AND OPVOLGING AANSLIBBING DEURGANCKDOK REPORTS

Report	Description of HCBS2
Ambient Conditions Lower Sea Scheldt	
5.3	Overview of ambient conditions in the river Scheldt – January-June 2006 (I/RA/11291/06.088/MSA)
5.4	Overview of ambient conditions in the river Scheldt – July-December 2006 (I/RA/11291/06.089/MSA)
~~5.5~~	~~Overview of ambient conditions in the river Scheldt : RCM 9 buoy 84 & 97 (1/1/2007 - 31/3/2007) (I/RA/11291/06.090/MSA)~~[1]
5.6	Analysis of ambient conditions 21/09/05 - 31/3/2007 (I/RA/11291/06.091/MSA)
Calibration	
6.1	Winter Calibration (I/RA/11291/06.092/MSA)
6.2	Summer Calibration and Final Report (I/RA/11291/06.093/MSA)
Through tide Measurements Winter 2006	
7.1	21/3 Scheldewacht – Deurganckdok – Salinity Distribution (I/RA/11291/06.094/MSA)
7.2	22/3 Parel 2 – Deurganckdok (I/RA/11291/06.095/MSA)
7.3	22/3 Laure Marie – Liefkenshoek (I/RA/11291/06.096/MSA)
7.4	23/3 Parel 2 – Schelle (I/RA/11291/06.097/MSA)
7.5	23/3 Laure Marie – Deurganckdok (I/RA/11291/06.098/MSA)
7.6	23/3 Veremans Waarde (I/RA/11291/06.099/MSA)
HCBS Near bed continuous monitoring (Frames)	
8.1	Near bed continuous monitoring winter 2006 (I/RA/11291/06.100/MSA)
INSSEV	
9	Settling Velocity - INSSEV summer 2006 (I/RA/11291/06.102/MSA)
Cohesive Sediment	
10	Cohesive sediment properties summer 2006 (I/RA/11291/06.103/MSA)
Through tide Measurements Summer 2006	
11.1	Through Tide Measurement Sediview and Siltprofiler 27/9 Stream - Liefkenshoek (I/RA/11291/06.104/MSA)
11.2	Through Tide Measurement Sediview 27/9 Veremans - Raai K (I/RA/11291/06.105/MSA)
11.3	Through Tide Measurement Sediview and Siltprofiler 28/9 Stream - Raai K (I/RA/11291/06.106/MSA)
11.4	Through Tide Measurement Sediview 28/9 Veremans – Waarde (I/RA/11291/06.107/MSA)
11.5	Through Tide Measurements Sediview 28/9 Parel 2 - Schelle (I/RA/11291/06.108/MSA)

[1] The data, foreseen for Report 5.5 is reported in report 3.1. Boundary conditions: Three monthly report 1/1/2007 – 31/03/2007 (I/RA/11283/06.127/MSA) including HCBS 2 report 5.5 (Deurganckdok).

Report	Description of HCBS2
Ambient Conditions Lower Sea Scheldt	
11.6	Through Tide measurement Longitudinal Salinity Distribution 26/9 Scheldewacht – Deurganckdok (I/RA/11291/06.161/MSA)
Analysis	
12	Report concerning the presence of HCBS layers in the Scheldt river (I/RA/11291/06.109/MSA)

Report	Description of Opvolging aanslibbing Deurganckdok between April 2006 till March 2007
Sediment Balance: Bathymetry surveys, Density measurements, Maintenance and construction dredging activities	
1.1	Sediment Balance: Three monthly report 1/4/2006 – 30/06/2006 (I/RA/11283/06.113/MSA)
1.2	Sediment Balance: Three monthly report 1/7/2006 – 30/09/2006 (I/RA/11283/06.114/MSA)
1.3	Sediment Balance: Three monthly report 1/10/2006 – 31/12/2006 (I/RA/11283/06.115/MSA)
1.4	Sediment Balance: Three monthly report 1/1/2007 – 31/03/2007 (I/RA/11283/06.116/MSA)
1.5	Annual Sediment Balance (I/RA/11283/06.117/MSA)
1.6	Sediment balance Bathymetry: 2005 – 3/2006 (I/RA/11283/06.118/MSA)
Factors contributing to salt and sediment distribution in Deurganckdok: Salt-Silt (OBS3A) & Frame measurements, Through tide measurements (SiltProfiling & ADCP)	
2.1	Through tide measurement Siltprofiler 21/03/2006 Laure Marie (I/RA/11283/06.087/WGO)
2.2	Through tide measurement Siltprofiler 26/09/2006 Stream (I/RA/11283/06.068/MSA)
2.3	Through tide measurement Sediview spring tide 22/03/2006 Veremans (I/RA/11283/06.110/BDC)
2.4	Through tide measurement Sediview spring tide 27/09/2006 Parel 2 (I/RA/11283/06.119/MSA)
2.5	Through tide measurement Sediview average tide 24/10/2007 Parel 2 (I/RA/11283/06.120/MSA)
2.6	Salt-Silt distribution & Frame Measurements Deurganckdok 13/3/2006 – 31/05/2006 (I/RA/11283/06.121/MSA)
2.7	Salt-Silt distribution & Frame Measurements Deurganckdok 15/07/2006 – 31/10/2006 (I/RA/11283/06.122/MSA)
2.8	Salt-Silt distribution & Frame Measurements Deurganckdok 12/02/2007 – 18/04/2007 (I/RA/11283/06.123/MSA)
2.9	Calibration stationary equipment autumn (I/RA/11283/07.095/MSA)

Report	Description of Opvolging aanslibbing Deurganckdok between April 2006 till March 2007
Boundary Conditions: Upriver Discharge, Salt concentration Scheldt, Bathymetric evolution in access channels, dredging activities in Lower Sea Scheldt and access channels	
3.1	Boundary conditions: Three monthly report 1/1/2007 – 31/03/2007 (I/RA/11283/06.127/MSA) including HCBS 2 report 5.5
~~3.2~~	~~Boundary condtions: Annual report (I/RA/11283/06.128/MSA)~~[2]
Analysis	
4.1	Analysis of Siltation Processes and Factors (I/RA/11283/06.129/MSA)

[2] considered in report 5.6 'Analysis of ambient conditions during 2006' (I/RA/11291/06.091/MSA) in the framework of the study 'Extension of the study about density currents in the Beneden Zeeschelde'