

REPORT

**Vlaamse overheid - Departement
Mobiliteit en Openbare Werken**

Afdeling Maritieme Toegang

Evaluation of the external effects on the siltation in Deurganckdok

Report 2.11: Salt Silt & Current Distribution
entrance Deurganckdok: frame measurements
and through tide measurements: Winter 2012

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Table of Contents

0. SUMMARY	1
1. INTRODUCTION	2
1.1 THE ASSIGNMENT	2
1.2 AIM OF THE STUDY	2
1.3 OVERVIEW OF THE STUDY	2
1.4 STRUCTURE OF THE REPORT	2
2. THE MEASUREMENT CAMPAIGNS	5
2.1 OVERVIEW OF THE PARAMETERS	5
2.2 MEASUREMENT OBJECTIVES.....	8
2.3 FRAME MEASUREMENTS.....	8
2.3.1 <i>Measurement locations</i>	8
2.3.2 <i>The frames</i>	9
2.3.3 <i>Teledyne ADCP workhorse sentinel</i>	11
2.3.4 <i>ARGUS ASM-IV</i>	11
2.3.5 <i>AADI RCM-9</i>	12
2.4 SILTPROFILER MEASUREMENT CAMPAIGN.....	13
2.4.1 <i>Procedure</i>	13
2.4.2 <i>SiltProfiler</i>	14
2.4.3 <i>CTD-Diver</i>	15
2.4.4 <i>ADCP</i>	16
3. COURSE OF THE MEASUREMENTS	17
3.1 FRAME MEASUREMENTS.....	17
3.2 THE SILTPROFILER MEASUREMENTS	18
3.2.1 <i>Measurement period</i>	18
3.2.2 <i>Hydro-meteorological conditions during the measurement campaign</i>	18
3.2.3 <i>Remarks on data</i>	19
4. PROCESSING OF DATASETS	20
4.1 CALIBRATION OF THE TURBIDITY SENSORS	20
4.2 FRAME MEASUREMENTS.....	20
4.2.1 <i>Methodology of processing of the ADCP data with Sediview</i>	20
4.2.2 <i>Timeseries</i>	22
4.3 THE SILTPROFILER MEASUREMENTS	23
4.3.1 <i>Methodology of processing the SiltProfiler data</i>	23
4.3.2 <i>Profiles, depth Averages and transects</i>	24
5. PRELIMINARY ANALYSIS OF THE DATA	25
5.1 FRAME MEASUREMENTS.....	25

5.1.1	<i>Location CDWdown</i>	25
5.1.2	<i>Location CDWup</i>	25
5.1.3	<i>Sill frame data</i>	25
5.1.4	<i>Comparison between the 3 measurement locations</i>	25
5.1.5	<i>Comparison with previous measurements</i>	26
5.2	SILTPROFILER MEASUREMENT CAMPAIGN.....	28
6.	REFERENCES	34

Annexes

ANNEX A	UNESCO PSS-78 FORUMULA FOR CALCULATING SALINITY.....	43
ANNEX B	VELOCITY – DIRECTION – SSC – SALINITY WEEK SERIES	45
B.1	WEEEKSERIES	46
B.1.1	<i>Frames CDW upstream and CDW downstream.....</i>	46
B.1.2	<i>Frames SILL and CDW upstream.....</i>	50
B.2	CONTOURPLOTS	54
B.2.1	<i>Suspended sediment concentration</i>	54
B.2.2	<i>Current direction and current magnitude plots.....</i>	67
B.3	TABLES	80
B.3.1	<i>CDW downstream.....</i>	80
B.3.2	<i>CDW upstream</i>	85
B.3.3	<i>SILL.....</i>	91
ANNEX C	SILTPROFILER GRAPHS	97
C.1	TIDAL DATA.....	98
C.2	FRESH WATER DISCHARGE	100
C.3	LOCATION XA	102
C.4	LOCATION XB	111
C.5	LOCATION XC	120
C.6	LOCATION XD	129
C.7	LOCATION XE	138
C.8	LOCATION YA	147
C.9	LOCATION YB	156
C.10	LOCATION YC	164
C.11	LOCATION YD	172
C.12	LOCATION YE	181
C.13	LOCATION ZA.....	190
C.14	LOCATION ZB.....	199
C.15	LOCATION ZC	208
C.16	LOCATION ZD	216
C.17	LOCATION ZE.....	225
ANNEX D	DEPTH AVERAGES OF THE SILTPROFILES.....	234
D.1	TABLES	235
D.2	FIGURES	250
ANNEX E	SPATIAL DISTRIBUTION OF THE SILTPROFILES	266
E.1	CROSS-SECTION X.....	267
E.2	CROSS-SECTION Y.....	296

E.3	CROSS-SECTION Z	327
ANNEX F	OVERVIEW OF HCBS2 AND AANSLIBBING DEURGANCKDOK	
REPORTS		356

List of Tables

TABLE 1-1: OVERVIEW OF THE EXTERNAL EFFECTS DEURGANCKDOK REPORTS	3
TABLE 2-1: OVERVIEW OF THE FRAME SET-UPS	10
TABLE 2-2: MAIN CONFIGURATION SETTINGS OF ADCP DURING THE CAMPAIGN	11
TABLE 2-3: POSITIONS OF THE MEASUREMENT POINTS FOR MARCH 9 TH 2012 AT THE ENTRANCE OF DEURGANCKDOK.....	13
TABLE 2-4: MAIN CONFIGURATION SETTINGS OF A MOBILE ADCP	16
TABLE 3-1: OVERVIEW OF THE MEASUREMENT LOCATIONS (ED50 UTM 31) AND PERIODS	17
TABLE 3-2: OVERVIEW OF MISSING AND FAULTY DATA.....	17
TABLE 3-3: HIGH AND LOW TIDE AT LIEFKENSHOEK ON 09/03/2012.....	18
TABLE 3-4: COMPARISON OF THE TIDAL CHARACTERISTICS OF 09/03/2012 WITH THE AVERAGE TIDE, THE AVERAGE NEAP TIDE AND THE AVERAGE SPRING TIDE OVER THE DECADE 1991- 2000 FOR LIEFKENSHOEK.	18
TABLE 5-1: MEASUREMENT PERIOD AND ABBREVIATIONS USED FOR THE COMPARISON OF THE FRAME MEASUREMENTS OF THE DEURGANCKDOK PROJECT	26
TABLE 5-2: OVERVIEW OF SPATIAL DISTRIBUTION OF THE DEPTH AVERAGE SSC (MG/L).....	29
TABLE 5-3: OVERVIEW OF THE SILTPROFILLER MEASUREMENTS AT THE ENTRANCE OF DEURGANCKDOK INCLUDING TIDAL COEFFICIENT, AVERAGE BOTTOM LEVEL AND AVERAGE SSC.	30

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 3 MEASUREMENT LOCATIONS.	9
FIGURE 2-5: A PICTURE OF FRAME CDWUP DURING THE DEPLOYMENT OF 28/02/2012 INCLUDING ADCP, RCM-9 AND ARGUS IV. SIMILAR FRAME IS USED AT LOCATION SILL.	10
FIGURE 2-6: TELEDYNE ADCP WORKHORSE SENTINEL	11
FIGURE 2-7: ARGUS ASM-IV	12
FIGURE 2-8: AADI RCM9	12
FIGURE 2-9: MAP OF THE MEASUREMENT LOCATIONS IN THE VICINITY OF DEURGANCKDOK	13
FIGURE 2-10: HIGH RESOLUTION SILTPROFILER	15
FIGURE 4-1: CALIBRATION GRAPHS OF SEDIVIEW FOR THE FRAME MEASUREMENTS AT CDWDOWN (A), CDWUP (B) AND SILL (C)	22
FIGURE 4-2: EXAMPLE OF METHODOLOGY USED FOR THE TRANSITION OF SEAPOINT TO LONG RANGE SENSOR FOR A GIVEN PROFILE	23
FIGURE 5-1 AVERAGE CONCENTRATION PER TIDAL PHASE ABOUT 1.0M ABOVE THE BOTTOM [SILL FRAME]	27
FIGURE 5-2: THE MEASURED DENSITY CURRENT DURING HW ON TRANSECT Y	28
FIGURE 5-3 COMPARISON OF DEPTH AVERAGE CONCENTRATIONS AT LOCATION XB FOR ALL SILTPROFILER MEASUREMENT CAMPAIGNS AT THE ENTRANCE OF DGD	31
FIGURE 5-4 COMPARISON OF DEPTH AVERAGE CONCENTRATIONS AT LOCATION YB FOR ALL SILTPROFILER MEASUREMENT CAMPAIGNS AT THE ENTRANCE OF DGD	32
FIGURE 5-5 COMPARISON OF DEPTH AVERAGE CONCENTRATIONS AT LOCATION ZB FOR ALL SILTPROFILER MEASUREMENT CAMPAIGNS AT THE ENTRANCE OF DGD	33

0. SUMMARY

This report presents the factual data of frame measurements during a complete neap-spring and a through tide measurement during an ebb-flood tidal cycle in winter 2012.

These campaigns will contribute to the evaluation of the current deflecting wall (CDW) on the sediment influx in the dock and to gain insight in these siltation mechanisms. The construction of the CDW was completed in August 2011 near the northern entrance of Deurganckdok.

During the frame measurements 3 bottom frames were installed on the riverbed at the North and South side of the entrance of Deurganckdok and CDW. The frames were equipped with instruments to measure velocity, salinity and suspended sediment concentrations (SSC) in the water column. Acoustic Doppler Current Profilers (ADCP) were used to register the current velocity and direction of the whole the water column above the 3 frames. The ADCP backscatter intensities were used to estimate SSC. At 2 frames the near bed velocity and SSC were measured by using RCM-9 (AADI) and ASM IV (Argus).

During a through tide measurement campaign the rapid IMDC SiltProfiler was used to take SSC and salinity profiles on 15 fixed locations at the entrance of Deurganckdok. An ADCP was logging during the profiling to register the current velocity and direction. The combination of the two instruments gain us insight in the siltation processes during the tidal cycle.

1. INTRODUCTION

1.1 THE ASSIGNMENT

This report is part of a set of reports (IMDC, 2010 a-b, 2011 a-d, 2012, a-p) concerning the project 'Evaluation of the external effects on the siltation in Deurganckdok'. The terms of reference were prepared by 'Departement Mobiliteit en Openbare Werken van de Vlaamse Overheid, Afdeling Maritieme Toegang (16EF/2009/14). The study was awarded to International Marine and Dredging Consultants NV in association with Deltares and Gems International on 8 December 2009.

This study is a follow-up study on the study 'Opvolging aanslibbing Deurganckdok' that ran from January 2006 till March 2009 (IMDC, 2006 a-q, 2007 a-w, 2008 a-aa, 2009 a-o).

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 provided depth sounding measurements.

1.2 AIM OF THE STUDY

The purpose of this study entails evaluating the external effects on the siltation in the Deurganckdok. External effects are those effects caused by recent human operations near Deurganckdok:

- The construction of the Current Deflecting Wall (CDW) downstream of the entrance of the Deurganckdok.
- The deepening and widening of the navigational channel in the Lower Sea Scheldt between the entrance of the Deurganckdok and the access channels to the locks of Zandvliet-Berendrecht.
- The deepening of the entrance to the Deurganckdok by removing the sill at the entrance.

1.3 OVERVIEW OF THE STUDY

This study constitutes of 3 parts:

- Reporting and analysis of existing documents and measurement data
- Execution of specific measurement campaigns to map the siltation and its environmental factors.
- Support in numerical modelling efforts

1.4 STRUCTURE OF THE REPORT

This report is the factual data report for two measurement campaigns:

- SiltProfiler measurements
- Near bed frame measurements in the vicinity of Deurganckdok

This report 2.11, is one of a set of reports that gains insight in sediment and water transport between Deurganckdok and the river Scheldt, which belongs to the second part of this project.

Table 1-1: Overview of the External Effects Deurganckdok Reports

Report	Description
I.	Reporting
I.1	Annual Sediment Balance: Bathymetry surveys, Density measurements, Maintenance and construction dredging activities
1.1	Annual Sediment Balance: year 1: 1/4/2009-31/3/2010 (I/RA/11354/10.067/NZI)
1.2	Annual Sediment Balance: year 2: 1/4/2010-31/3/2011 (I/RA/11354/10.100/MBO/ANF)
1.3	Annual Sediment Balance: year 3: 1/4/2011-31/3/2012 (I/RA/11354/10.101/MBO/ANF)
I.2	Boundary Conditions: Upriver Discharge, Salt concentration Scheldt, Bathymetric evolution in access channels, dredging activities in Lower Sea Scheldt and access channels
1.4	Boundary Conditions year 1: 01/04/2009 – 31/3/2010 (I/RA/11354/10.102/MBO/ANF)
1.5	Boundary Conditions year 2: 01/04/2010 – 31/3/2011 (I/RA/11354/10.103/MBO/ANF)
1.6	Boundary Conditions year 3: 01/04/2011 – 31/3/2012 (I/RA/11354/10.104/MBO/ANF)
I.3	Synthesis of CDW research
1.7	Synthesis report of research on Current Deflecting Wall (I/RA/11354/10.063/MBO)
I.4	Analysis: evaluation of external effects on siltation in Deurganckdok
1.8	Analysis of external effects on siltation processes and factors (I/RA/11354/10.105/MBO/ANF)
II.	Measurement campaigns: Factors contributing to salt and sediment distribution in Deurganckdok: Salt-Silt (OBS3A) & Frame measurements, Through tide measurements (Silt Profiling & ADCP) & Calibrations
II.1	Through tide measurements fixed transects
2.1	Through tide Sediview measurement: Entrance DGD during spring tide Autumn 2011 (I/RA/11354/10.106/MBO/ANF)
2.2	Through tide Sediview measurement: Entrance DGD during neap tide Autumn 2011 (I/RA/11354/10.107/MBO/ANF)
2.3	Through tide Sediview measurement: Entrance DGD during spring tide Winter 2012 (I/RA/11354/10.108/MBO/ANF)
2.4	Through tide Sediview measurement: Entrance DGD during neap tide Winter 2012 (I/RA/11354/10.109/MBO/ANF)
II.2	Through tide measurements eddy currents
2.5 ²	Through tide measurements: Eddy Currents DGD 02/03/2010 (I/RA/11283/10.051/MSA)
2.6	Through tide measurements: Eddy Currents DGD Autumn I/RA/11354/10.110/MBO/ANF)
2.7	Through tide measurements: Eddy Currents DGD Spring 2012 (I/RA/11354/10.111/MBO/ANF)
II.3	Salt Silt Distribution entrance Deurganckdok
2.8 ³	Salt-Silt distribution Deurganckdok 1/4/2009-31/3/2010 (I/RA/11354/10.068/NZI)
2.9	Sal-Silt distribution Deurganckdok 1/6/2011-30/05/2012 (I/RA/11354/10.112/MBO/ANF)
II.4	Current Salt Silt Distribution CDW Deurganckdok
2.10	Salt Silt & Current Distribution entrance Deurganckdok: frame measurements and through tide measurements: Autumn 2011 (I/RA/11354/11.131/BQU)

Report	Description
2.11	Salt Silt & Current Distribution entrance Deurganckdok: frame measurements and through tide measurements: Winter 2012 (I/RA/11354/10.114/MBO/ANF)
II.5 Quality Control instruments	
2.12	Calibration stationary & mobile equipment 16/03/2011 (I/RA/11354/10.113/MBO/ANF)
2.13	Calibration stationary equipment 2012 (I/RA/11354/12.011/JCA)

²: this report is part of the project Siltation Deurganckdok (11283)

³: this report contains report 2.35 of project Siltation Deurganckdok (I/RA/11283/09.085/MSA)

2. THE MEASUREMENT CAMPAIGNS

2.1 OVERVIEW OF THE 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).

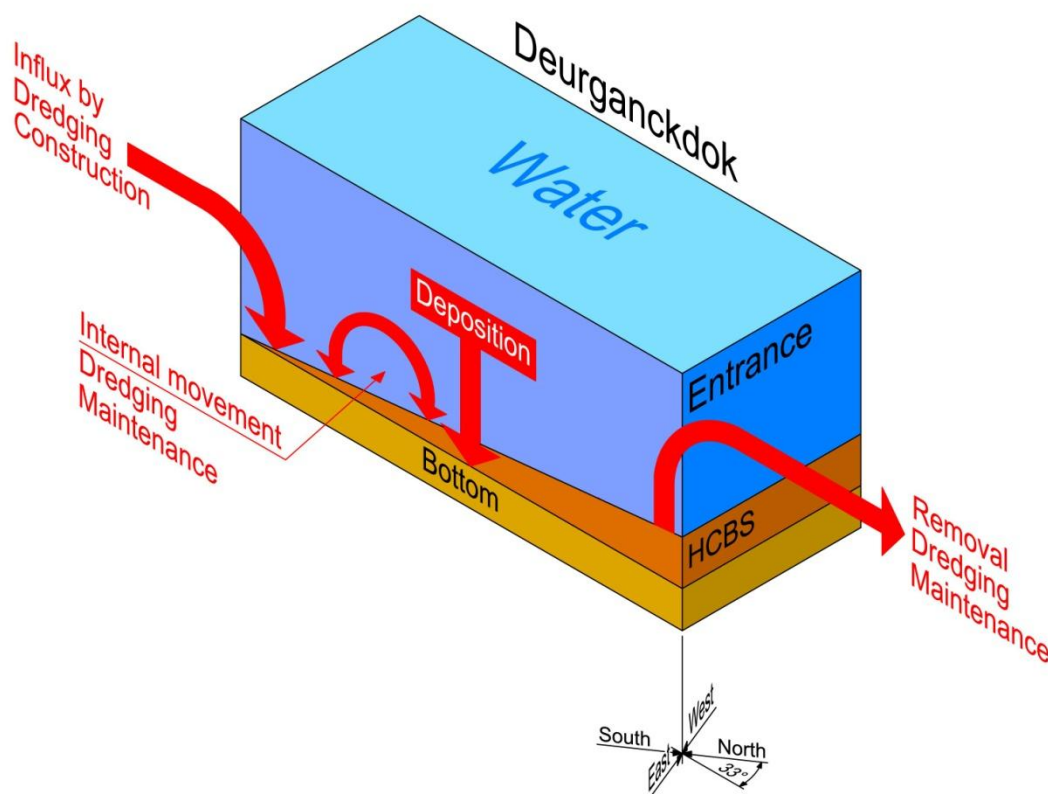


Figure 2-1: Elements of the sediment balance

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 .

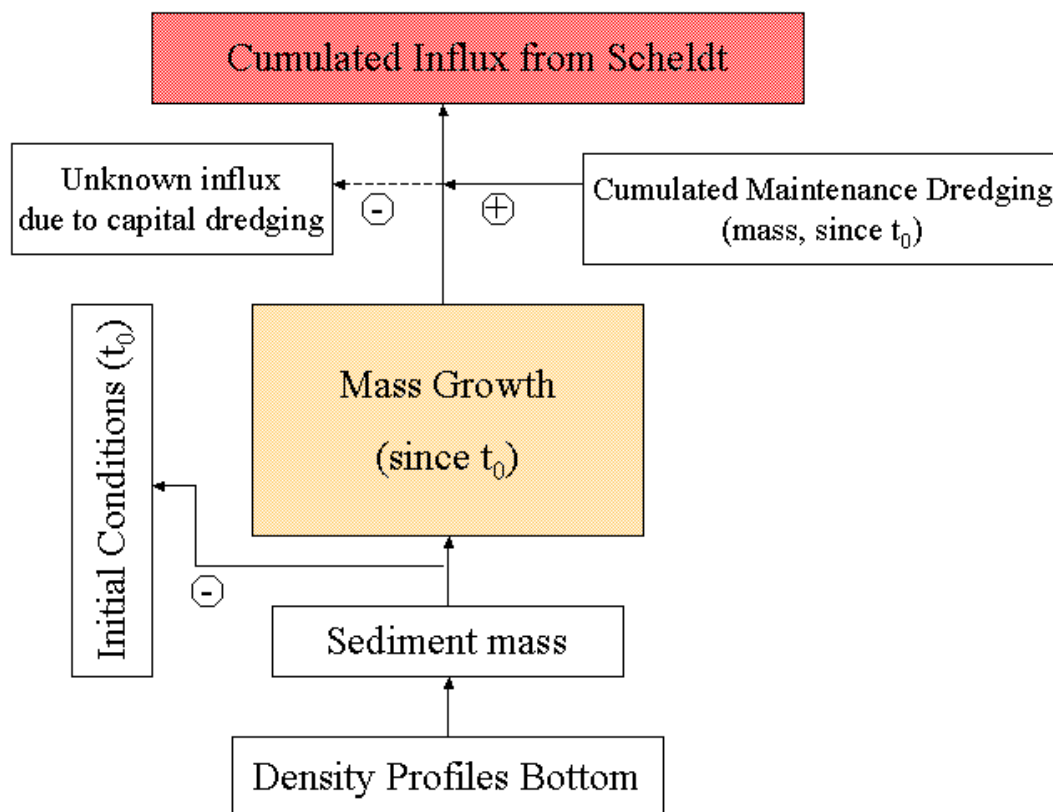


Figure 2-2: Determining a sediment balance

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

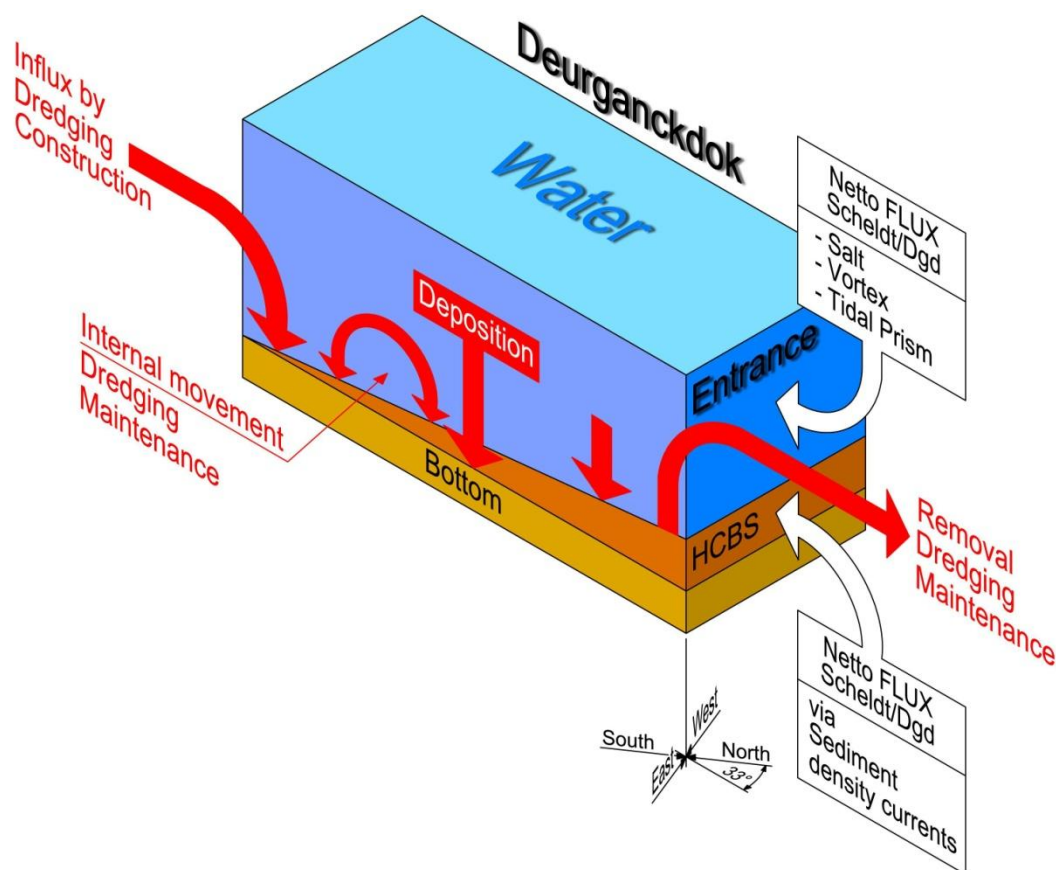


Figure 2-3: Transport mechanisms

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 the freshwater input (discharge) from the tributaries into the river Scheldt.
- Monitoring salinity and sediment concentration in the Lower Sea Scheldt at permanent measurement locations at Oosterweel, up- and downstream of the Deurganckdok.
- Long term measurement of salinity 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 flow pattern, salinity 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 the entrance channels towards the Kallo, Zandvliet and Berendrecht locks as well as dredging and dumping activities in the Lower Sea Scheldt and Deurganckdok in particular.

In situ calibrations were conducted on several dates to calibrate all turbidity and conductivity sensors.

2.2 MEASUREMENT OBJECTIVES

Since August 2011, a current deflecting wall (CDW) construction was completed at the Northside of Deurganckdok. This new construction will influence the flow pattern and the distribution of suspended sediment at the entrance of Deurganckdok. As result the high concentration bottom layer of the inflow will deflect towards the river Scheldt and the top layer of the inflow will fill the dock.

The objective of the deployment of 3 anchored measuring frames is to monitor the effect of CDW on the detailed vertical structure of flow and suspended sediment concentration near the bottom during a complete neap-spring cycle. Frames are positioned where the effect of CDW are most likely and on measuring locations of the previous study 'Opvolging aanslibbing Deurganckdok'.

The objective of a through tide measurement is to gain more insight in the distribution and transport of suspended sediment concentration near the bottom as result of the effect of CDW. The measurement is executed during a complete ebb-flood cycle.

2.3 FRAME MEASUREMENTS

2.3.1 Measurement locations

During the frame measurements 3 bottom anchored measuring frames were deployed on the riverbed at the North and South side of the entrance of Deurganckdok and CDW (Figure 2-4).

The frame CDWup was placed at the northern entrance of the dock, near the left bank of the Scheldt. The frame was placed at a depth of -9.5m TAW roughly. The placement of this frame occurred on the 28th of February at 13h30, the removal of the frame happened on the 21st of March at 11h30. The second frame, at CDWdown, was placed north of the CDW, near the left bank of the Scheldt. The frame was placed at a depth of -13.5m TAW roughly. The placement of this frame occurred on the 29th of February at 11h30, the removal of the frame happened on the 20th of March at 11h50. The third one, Sill, was placed at the southern entrance of the Deurganckdock, on the sill. The depth at the location of the frame is -9m TAW roughly. Placement of the frame occurred on the 29th of February at 14h10; the removal of the frame happened on the 20th of March at 13h45. To signal the presence of the frames, buoys were placed near the frames.

Spring tides occurred around the 10th of February 2012, the 23th of February 2012 and the 10th of March 2012. Time is always given in MET.

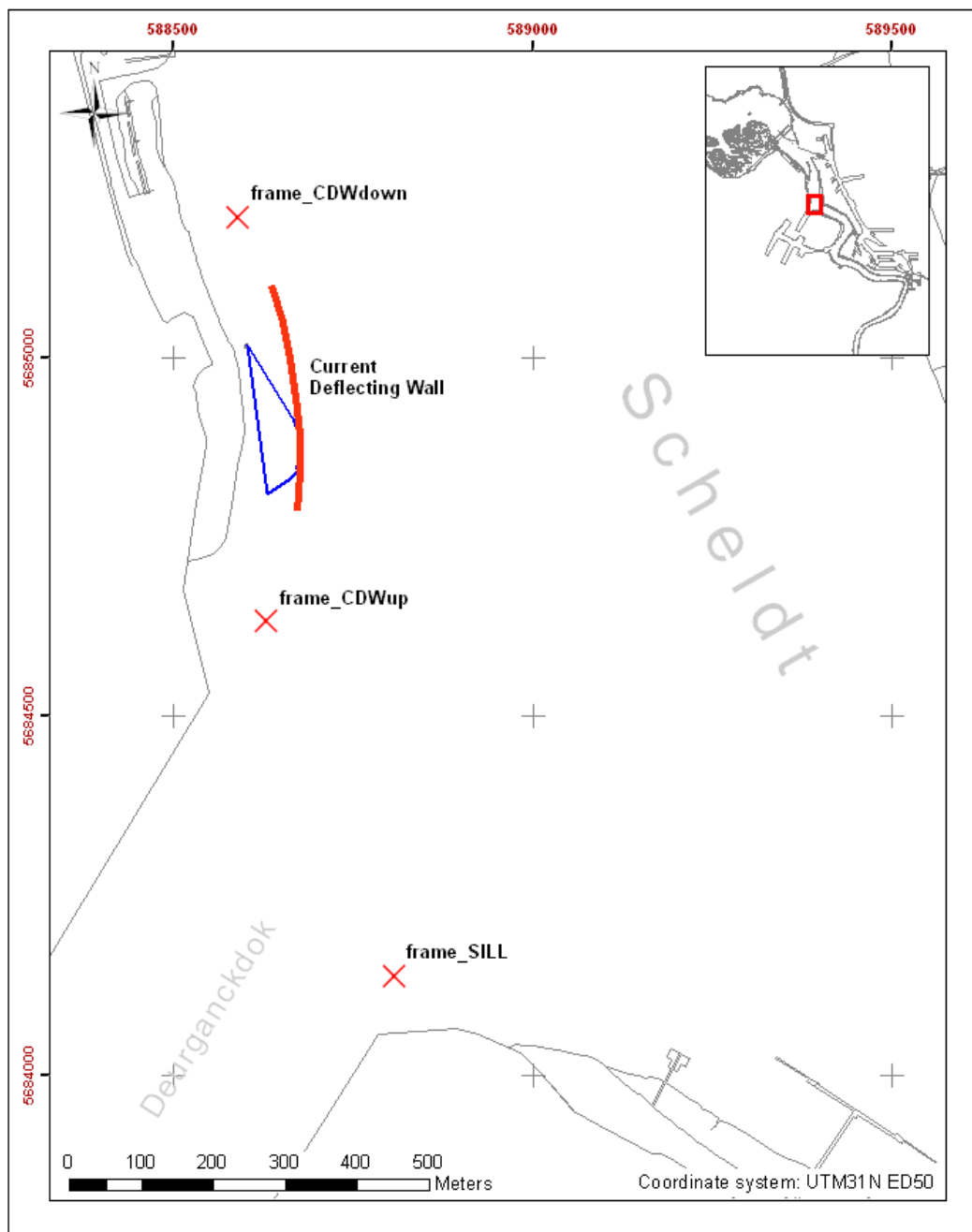


Figure 2-4: Map of the 3 measurement locations including the Current Deflecting Wall.

2.3.2 The frames

Three frames were developed for autonomous measurement of sediment transport phenomena and were designed for easy transport and installation. The structure of the frames of CDWup and SILL consists of a tripod with a length of about 2.8 metres and a vertical pending girder, where the instruments can be clamped to adjustable supports (Figure 2-5). On top of the tripod a special designed frame is attached to supply an ADCP. Hoisting support facilities are attached to the top of the frames. The sensor positions, in particular sensor height above the bed, can be adjusted to specific requirements over a wide range. This place is used to mount AADI RCM-9 and Argus ASM IV.



Figure 2-5: A picture of frame CDWup during the deployment of 28/02/2012 including ADCP, RCM-9 and Argus IV. Similar frame is used at location SILL.

A second kind of frame is used downstream from CDW. This frame is especially built for ADCP measurements and is smaller. The total height of the frame is 0.8m and has a total area of about 3m².

On both kind of frames an ADCP is placed to register the current velocity and direction of the whole water column above the frame. In Sediview software the ADCP backscatter intensities were used to estimate SSC based on water samples and turbidity values.

An overview of the 3 frame set-ups is given Table 2-1.

Table 2-1: Overview of the frame set-ups

Instrument	Height above bottom [m]
Frames Sill and CDWup	
Teledyne RDI ADCP	2.8
AADI RCM-9	0.8
Argus ASM IV	0.25 (lowest turbidity sensor)
Frame CDWdown	
Teledyne RDI ADCP	0.8

2.3.3 Teledyne ADCP workhorse sentinel

The current measurements were conducted using a Teledyne RD Instruments ADCP 600 kHz (CDWup and CDWdown) and 1200 kHz (Sill) Workhorse Sentinel. This ADCP system was mounted in a gimbal to ensure the beams will point vertically upwards. An extra battery pack is connected to the Sentinel to ensure a longer measurement period (Figure 2-5). The main settings are given in Table 2-4.

Every 10 minutes a signal was sent to the logger.

Table 2-2: Main Configuration Settings of ADCP during the campaign

ADCP configuration settings of ADCP during the campaign	
Vertical bin size	0.5 m
Number of currents measures in 1 hour	6
Number of pings to measure currents	10



Figure 2-6: Teledyne ADCP workhorse sentinel

2.3.4 ARGUS ASM-IV

The ARGUS ASM-IV was used to detect the vertical structure of the suspended sediment concentration in the zone of 1 meter above the bed.

The ARGUS ASM-IV was developed for high resolution measuring of accretion and erosion of the riverbed. (ARGUS UMWELT-MEATECHNIK, 2005). The instrument operates with backscatter infrared laser sensors embedded in a stainless steel rod. The 96 sensors are placed on an active board at a distance of 0.01m of each other. There are three additional sensors: an inclinometer, a pressure gauge and a on board temperature sensor.

A battery powered central unit in the head of the instrument controls activation and power supply of the sensors as well as the transmission of the signals. The sealed in unit consists of a microprocessor, a data memory, the additional sensors and the energy supply.

The ARGUS ASM-IV has a sampling interval of 5 seconds and every cycle there are 20 samples taken. The break range between each burst (i.e. pause) is set at 500 seconds. This means that the total cycle time is 600 seconds.

The measurement range of the ARGUS ASM-IV is from 0 to 5000 mg/l.

More details on the ARGUS ASM-IV can be found in the February Survey Reports of the HCBS 1 measurement campaign (IMDC, 2005h)



Figure 2-7: ARGUS ASM-IV

2.3.5 AADI RCM-9

All sensors (temperature, pressure, conductivity, turbidity, tilting) except the Doppler Current Sensor were set to record once every 10 minutes. The Doppler Current Sensor sent 600 pings during every 10 minute-interval and calculated the average value for current speed and direction over this interval. Data storage units in the instruments logged all the measured values.



Figure 2-8: AADI RCM9

2.4 SILTPROFILER MEASUREMENT CAMPAIGN

2.4.1 Procedure

Turbidity, salinity, temperature and currents profiles were conducted on 15 fixed locations during one tidal cycle. From the survey vessel a measurement cycle was completed sailing three parallel transects (X, Y and Z) at the entrance of the Deurganckdok (Figure 2-9). A high resolution turbidity profile was measured with the rapid SiltProfiler at 5 locations on each transect. During the profiling an ADCP was logging to register the current velocity and direction. To combine both instruments will visualize the sediment transport on each profiled location.

An overview with all the measurement locations of the SiltProfiler measurements can be found in Table 2-3.

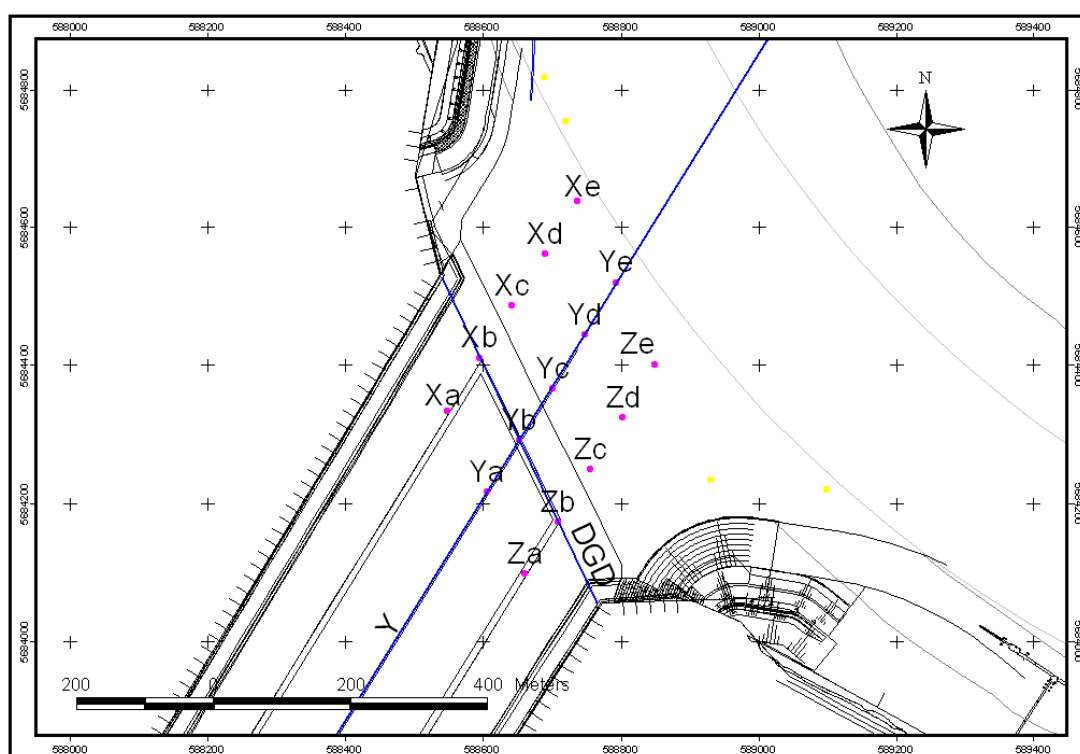


Figure 2-9: Map of the measurement locations in the vicinity of Deurganckdok

Table 2-3: Positions of the measurement points for March 9th 2012 at the entrance of Deurganckdok.

Measurement point	Bank	Easting (UTM31 ED50)	Northing (UTM31 ED50)
Xa	Left bank	588 549	5 684 335
Xb	Left bank	588 596	5 684 411
Xc	Left bank	588 643	5 684 486
Xd	Left bank	588 690	5 684 562

Measurement point	Bank	Easting (UTM31 ED50)	Northing (UTM31 ED50)
Xe	Left bank	588 737	5 684 638
Ya	Center	588 606	5 684 217
Yb	Center	588 653	5 684 293
Yc	Center	588 700	5 684 368
Yd	Center	588 747	5 684 444
Ye	Center	588 793	5 684 520
Za	Right bank	588 662	5 684 099
Zb	Right bank	588 709	5 684 174
Zc	Right bank	588 756	5 684 250
Zd	Right bank	588 803	5 684 326
Ze	Right bank	588 850	5 684 402

2.4.2 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 55 000 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 2-10: 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 optimize 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 the 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.

2.4.3 CTD-Diver

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

The technical details on the CTD-diver are given in the winter calibration Report of the HCBS 1 measurement campaign (IMDC, 2006a).

2.4.4 ADCP

The current measurements were conducted using a Teledyne RD Instruments ADCP with a beam angle of 20°. The main configuration is given Table 2-4.

Table 2-4: Main Configuration Settings of a mobile ADCP

Main configuration settings of ADCP Workhorse:
Cell depth: 0.5 m
Number of cells: 50
Number of Water pings per ensemble: 2
Number of Bottom Track pings per ensemble: 2
Time between ensembles: 0
Averaging: None
Speed of Sound: Fixed 1500 m/s
Salinity 0 psu
3-beam solution: enabled
Beam angle: 20°

3. COURSE OF THE MEASUREMENTS

3.1 FRAME MEASUREMENTS

An overview of the measurement locations is given in Table 3-1, while a chronological overview of measured data with an explanation can be found in Table 3-2.

Table 3-1: Overview of the measurement locations (ED50 UTM 31) and periods

Monitoring Location	Easting	Northing	Period
Deurganckdok CDW up	588 631	5 684 633	28/02/2012 – 21/03/2012
Deurganckdok CDW down	588 591	5 685 196	29/02/2012 – 20/03/2012
Deurganckdok Sill	588 808	5 684 139	29/02/2012 – 20/03/2012

Table 3-2: Overview of missing and faulty data

Deurganckdok CDW up				
Instrument	No data	Faulty data	Period	Comment
ADCP (Z243)	X		28/02 – 29/02/2012 29/02 – 21/03/2012	Problem with data reading No problem
ARGUS (Z303)			28/02 – 21/03/2012	No problem
RCM9 (Z009)			28/02 – 21/03/2012	No problem

Deurganckdok CDW down				
Instrument	No data	Faulty data	Period	Comment
ADCP (Z070)			29/02 – 20/03/2012	No problem

Deurganckdok Sill				
Instrument	No data	Faulty data	Period	Comment
ADCP (Z242)	X		29/02 – 20/03/2012	No problem
ARGUS (Z035)		X	29/02 – 11/03/2012 11/03 – 20/03/2012	No problem Fouling on the sensors
RCM9 (Z012)	X		29/02 – 20/03/2012	Failure turbidity sensor

3.2 THE SILTPROFILER MEASUREMENTS

3.2.1 Measurement period

SiltProfiles were taken at all 15 locations. A total of 218 profiles were successfully taken by the SiltProfiler on the 9th of March 2012 from 7h15 MET until 19h18 MET.

3.2.2 Hydro-meteorological conditions during the measurement campaign

3.2.2.1 Vertical tide during the measurements

The vertical tide was measured at the Liefkenshoek tidal gauge. Graph of the tide at Liefkenshoek on the 9th of March 2012 can be found in Annex C. Table 3-3 gives the most important characteristics (high and low tide) of the tide at this gauge on the 9th of March 2012.

Table 3-3: High and low tide at Liefkenshoek on 09/03/2012

Liefkenshoek Tidal Gauge		
09/03/12	Time [MET]	Water level [m TAW]
HW (1)	03:55	5.43
LW (2)	11:05	-0.76
HW (3)	16:05	5.72

In Table 3-4 the tidal characteristics of the tide on the 9th of March 2012 are compared to the average tide over the decade 1991-2000 (AMT, 2003).

Table 3-4: Comparison of the tidal characteristics of 09/03/2012 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 09/03/2012
Water level [m TAW]				
HW (1)	4.63	5.19	5.63	5.43
LW (2)	0.39	0.05	-0.18	-0.76
HW (3)	-	-	-	5.72
Tidal difference [m]				
Falling (1 to 2)	4.24	5.14	5.81	6.19
Rising (2 to 3)	4.24	5.14	5.81	6.48
Duration [hh:mm]				
Falling (1 to 2)	6:40	6:50	7:02	7:10
Rising (2 to 3)	5:59	5:34	5:16	5:00
Tide (1 to 3)	12:39	12:24	12:18	12:10
Tidal coefficient				
Falling (1 to 2)	0.82	1.00	1.13	1.20
Rising (2 to 3)	0.82	1.00	1.13	1.26

The tidal coefficients from 1.20 up to 1.26 for the measured tide of the 9th of March 2012 indicate

that this tide is larger than an average spring tide for the decade of 1991-2000, and therefore can be classified as a strong spring tide.

3.2.2.2 Meteorological data

Meteorological data at Woensdrecht (NL) was obtained from the Weather Underground website (Wunderground, 2012).

The weather on the 9th of March 2012 was dry. The wind blew from the south in the morning and southwest in the afternoon at an average velocity of 11 km/h and a maximum velocity of 24 km/h. The air temperature varied between 3 and 11°C. It was foggy during the morning and the evening time.

3.2.3 Remarks on data

There are no significant remarks on the data.

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.

For turbidity, instruments were calibrated relative to a reference instrument, of which the relation between turbidity and SSC was determined precisely during an in situ calibration campaign.

For instruments with a high turbidity range (SiltProfiler and ASM IV) an in situ calibration is not recommended. It is very hard to find very high concentrations in a homogenous mixture in the Lower Sea Scheldt. Therefore, the SiltProfiler and both ASM IV probes have been calibrated in labo conditions and been cross checked afterwards with the in-situ calibration.

More details about the calibration procedure is described in calibration reports 2.12 (IMDC, 2012e) and 2.13 (IMDC, 2012o).

4.2 FRAME MEASUREMENTS

4.2.1 Methodology of processing of the ADCP data with Sediview

DRL Software's Sediview was used to process the ADCP data. Sediview is designed to derive estimates of SSC throughout the water column using acoustic backscatter data obtained by ADCP's manufactured by RD Instruments of San Diego, California. Sediview is also used to correct the ADCP depths to calculate the sound velocity based on the CTD-profiles.

4.2.1.1 Acoustic backscatter theory

The acoustic theory governing backscatter from particles suspended in the water column is complex, but the following simplified formula serves to introduce the main factors that are relevant:

$$E = SL + SV + Constant - 20\log(R) - 2\alpha_w R$$

Where:

E = echo intensity,
 SL = transmitted power,
 SV = backscatter intensity due to the particles suspended in the water column,
 α_w = a coefficient describing the absorption of energy by the water,
 R = the distance from the transducer to the measurement bin.

The term $20\log(R)$ is a simple geometric function that accounts for the spherical spreading of the beam. The constant is required because each ADCP has specific performance characteristics.

In order to measure the suspended sediment concentration in the water column it is necessary to relate the backscattered sound intensity to the mass concentration in the water. For the purposes of measuring solids concentration on site, it can be shown that the relationship is as follows (derived from Thorne and Campbell, 1992 and Hay, 1991 in DRL (2003)):

$$\log_{10} M_r = \{dB + 2r(\alpha_w + \alpha_s) - K_s\} S^{-1}$$

Where:

$M(r)$ = mass concentration per unit volume at range, r

S = relative backscatter coefficient
 K_s = site and instrument constant
 dB = the measured relative backscatter intensity (corrected for beam spreading)
 α_w = water attenuation coefficient
 α_s = sediment attenuation coefficient, which is a function of the effective particle size

In this expression there are four unknowns: S , K_s , α_w and α_s . These parameters are to be determined within Sediview.

4.2.1.2 Water sampling during through tide measurement campaigns

Sediview is used to calibrate the long term data of ADCP to SSC. This calibration method is based on water samples which are taken during through tide measurement campaigns. Two samples are taken within the range of reliable data of the ADCP. For the near-surface sample this means in bin 3 or 4, for the near-bed sample this means at about one or two meter above the sidelobe.

Water sampling is done together with CTD-OBS measurement in order to have two independent SSC measurements for each sample. OBS measurements were compared to the water samples and calibrated with water samples. The water samples were used for Sediview calibration, while cross-calibrated OBS measurements were used as a backup check. The salinity and temperature was used to compute the acoustic water absorption (water attenuation coefficient).

During the through tide campaigns water samples are taken nearby the longterm measurement locations and at random in time. Due to difference in position and time the error of the calibration set will be greater than a calibration set during a through tide measurement. The calibrations graphs (Figure 4-1) show a maximal Root Mean Square Error (RMSE) of 107 mg/l. The error on the estimated SSC will be greater on days where no calibration set is available.

The calibration workset of CDWup and SILL are based on water samples which are taken during through tide campaigns on 08/03/2012 and 16/03/2012. These measurement days are reported in IMDC (2012g) and IMDC (2012h). The ADCP of the last location CDWdown is calibrated with 15 SiltProfiles which are taken during the through tide measurement campaign on 9/03/2012. Every measuring cycle a SiltProfile was taken close to frame CDWdown.

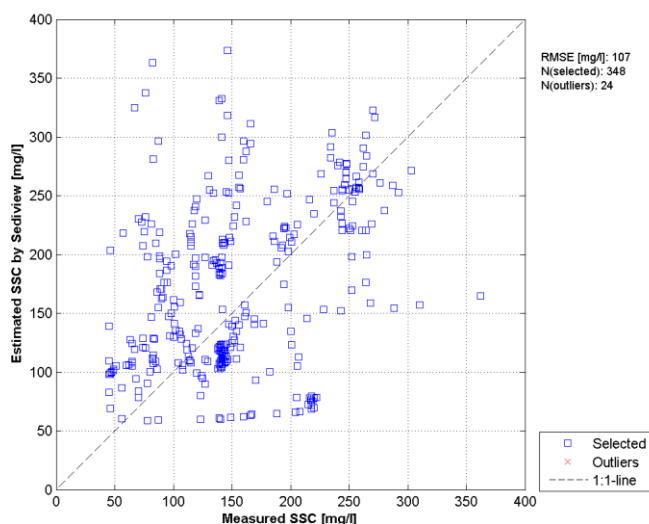
4.2.1.2.1 Calibration workset

The calibration workset consists of ADCP-files, sampling times, sampling depths, SSC obtained from water samples and SSC, temperature and salinity obtained from CTD-OBS readings.

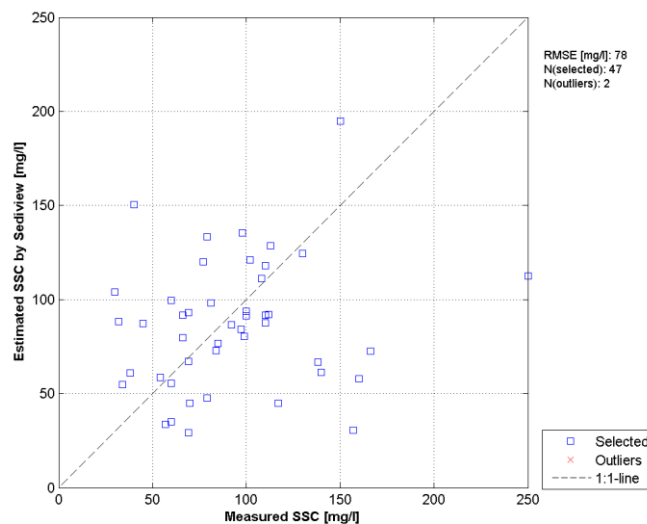
The suspended sediment concentration of the water samples was determined. One-litre samples were filtered over a preweighed desiccated 0.45 micron filter, after which the filter is dried in an oven at 105°C, cooled and weighted (NEN 6484).

4.2.1.2.2 SSC calibration per ensemble pair

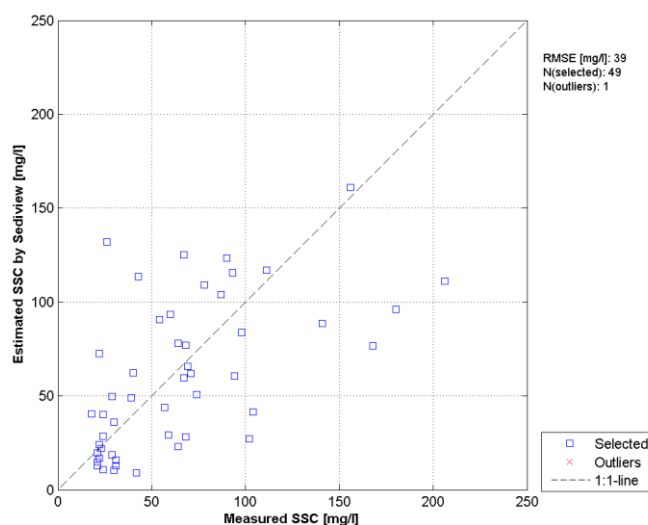
In the Sediview calibration process the following parameters must be defined: the site and instrument constant (K_s), the relative backscatter coefficient (S) and the effective particle size per ensemble-pair (near-surface sample and near-bed sample) in order to fit the Sediview-estimate with the suspended sediment concentration of the water samples. These parameter sets may not differ too much from the previous parameter sets, as the environmental conditions will not change that much over a small time interval. To obtain a smooth progress in time of K_s , S and effective particle size an iterative approach is used. The result of the Sediview calibration can be seen in Figure 4-1.



a) CDWdown – based on SiltProfiles



b) CDWup – based on water samples



c) SILL – based on water samples

Figure 4-1: Calibration graphs of Sediview for the frame measurements at CDWdown (a), CDWup (b) and SILL (c).

4.2.2 Timeseries

Timeseries were visualised for all locations in line plots. The data of ADCP and Argus are also shown in contoured timeseries for current velocity, direction and suspended sediment concentration. For each of these parameters depth average values are calculated for the water column above -7.6 mTAW and below -7.6 mTAW. -7.6 mTAW is the highest point of the table of the current deflecting wall, which is to be built at Deurganckdok to reduce sedimentation in the dock.

For each timeserie the data were summarized in a table which contains: depth averaged values over a tidal cycle and some tidal characteristics of each tidal cycle.

The figures and tables can be found in Annex B.

4.3 THE SILTPROFILER MEASUREMENTS

4.3.1 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 PSS-78 formula (Unesco, 1991 & IMDC, 2002)(see Annex A). 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 – 6000 mg/l, after which the Short Range Extinction sensor (5000 mg/l – 55000 mg/l) takes over. All 3 sensors log simultaneously during a measurement. The switchover between two sensors in the processing is done as follows:

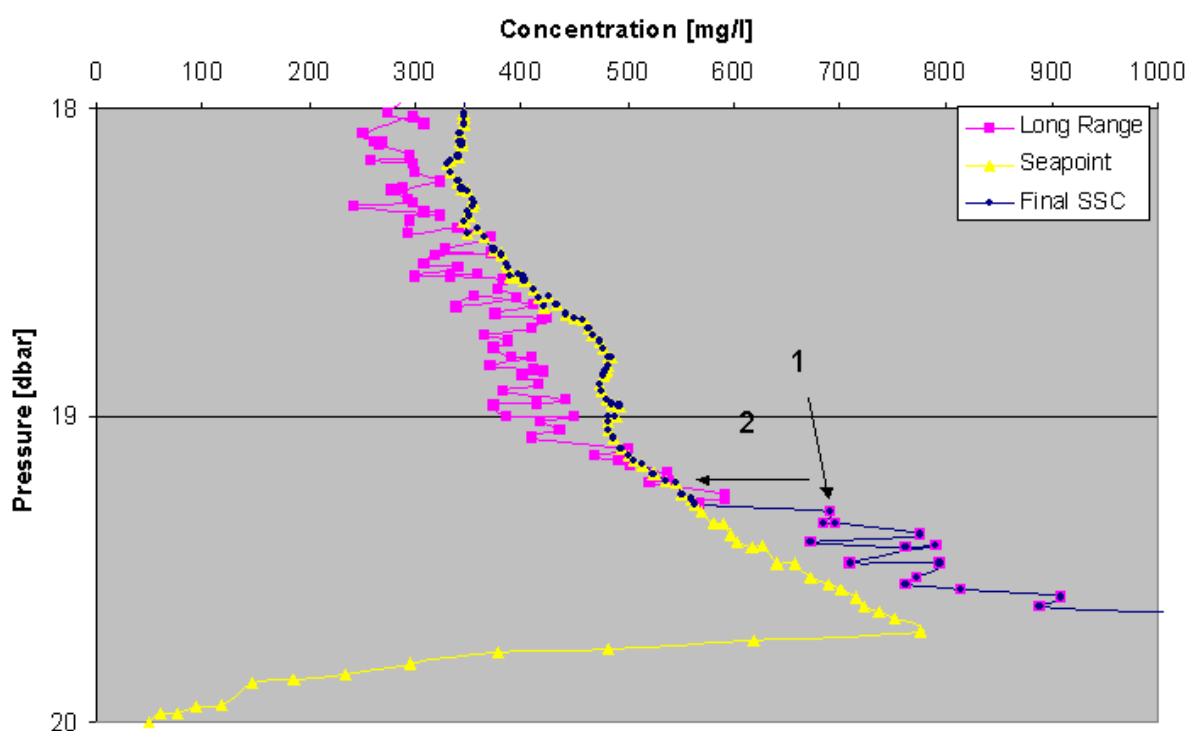


Figure 4-2: Example of Methodology used for the transition of Seapoint to Long Range Sensor for a given profile

Between Seapoint and Long Range Sensor the transition threshold is not fixed. Figure 4-2 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 5880 mg/l, so the transition is fixed at a concentration

of 5000 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 as was measured by the ADCP 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 Annex C

4.3.2 Profiles, depth Averages and transects

The measured profiles by the SiltProfiler were visualised for all locations. An ADCP was logging during the profiling to register the current velocity and direction. During the processing the velocity data is projected to the measured transects X, Y and Z which results in:

- a positive value during outflow;
- a negative value during inflow.

The outflow and inflow is referred to the entrance of Deurganckdok. The use of ADCP and SiltProfiler gain us insight in sediment flux at the entrance of Deurganckdok and are visualised in the profile plots.

Colourplots of salinity, suspended sediment concentration, parallel velocity and sediment flux, as measured by SiltProfiler and ADCP can be found in Annex E. In these plots the spatial suspended sediment concentration distribution for transects X, Y and Z are given for each cycle. 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 in Deurganckdok, point e is situated on the right hand side in the river Scheldt. In these plots the water-mud interface (as detected by the SiltProfiler) is shown as a black surface.

Also depth-averaged values were tabularised. Depth-averages were computed for SiltProfiler and ADCP data per location.

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

- Total depth
- watercolumn above -7.6m (TAW) and watercolumn below -7.6 m (TAW).

This information is illustrated in figures and tables in Annex D..

5. PRELIMINARY ANALYSIS OF THE DATA

5.1 FRAME MEASUREMENTS

5.1.1 Location CDWdown

The measured currents and SSC at location CDWdown show a tidal variation. Maximum velocities occur 1-2 hours before HW and reach values up to 1.0 m/s. During slack water (around HW and LW) the velocity are almost 0 m/s and the SSC increase. At these times the concentrations vary between 200-400 mg/l for water layer below -7.6 and between 100-300 mg/l for the upper water layer. The maximum SS concentrations occur at HW in the layer near the bottom and during spring tide. The estimated depth averaged SS concentrations vary between 20 up to 300 mg/l.

As result of the river orientation the averaged flow direction during flood is about 170° and 345° during ebb. During flood and ebb the average velocities for both water layers vary between 0.36 and 0.53 m/s. The minimal velocities and SSC occur during neap tide and maximal during spring tide.

5.1.2 Location CDWup

The maximum measured current velocities at location CDWup occur 2-3 hours after LW and reach values up to 0.7 m/s during spring. The minimal velocities and the maximal SSC occur 1-2 hours before HW and LW. The average concentrations in the water layer above -7.6mTAW vary between 30 up to 300 mg/l and 0.8m above the hard bottom between 50 and 700 mg/l.

The averaged flow direction during flood is about 170°. During ebb the averaged direction above -7.6 mTAW is 0° and at 0.8m above the bottom 25°. The current velocities and SSC increase during spring and decrease during neap tide. The averaged values during ebb and flood range between 0.16 and 0.29 m/s; and 83 and 188 mg/l.

The RCM-9 at 0.8m above hard bottom monitored salinity values between 2 and 8 ppt. The maximum salinity values occur 1-2 hours after HW and the minimum during LW.

The RCM-9, Argus and ADCP data show a similar pattern.

5.1.3 Sill frame data

The velocities measured by RCM-9 and ADCP vary from almost 0 up to 0.5 m/s. The maximum current velocities occur at 1-2 hours after LW and HW. After HW the velocities decrease till LW. SSC reach their maximum during slack water when the velocity are lower than 0.2 m/s. The lowest SSC are transported toward the River Scheldt and occur at 2-3 before LW. SSC measured by Argus vary between 20 and 600 mg/l.

During ebb conditions the dock is emptying above -7.6mTAW resulting in an averaged flow direction of 80°. While the averaged flow direction of 330° at 0.8m above the bottom is influenced by the incoming density driven flow at 1-2 hours after HW. At this moment the salinity values reach their maximum. Due to the filling of the dock during flood conditions the averaged flow direction is oriented between 245-270°.

5.1.4 Comparison between the 3 measurement locations

Measurement locations CDWup and Sill are influenced by the interaction between the river Scheldt and Deurganckdok while CDWdown is strongly dominated by tidal processes on the river Scheldt. The velocities on the river Scheldt are higher compared to the locations at the entrance of the Deurganckdok. In general, the SS concentrations (below -7.6 mTAW) at Sill location are lower

except during HW and LW, where higher SS concentrations are registered at the Sill location. In comparison with CDWup, the salinity values during ebb at Sill location decrease more slowly and are smaller. Those facts suggest more dominating density driven flows at Sill location during slack tide. The density currents are a result of salinity difference between the dock and the river Scheldt.

5.1.5 Comparison with previous measurements

Similar measurements at the entrance of Deurganckdok were executed as part of earlier project 'aanslibbing Deurganckdok' (IMDC, 2006s; IMDC, 2007p; IMDC, 2007q; IMDC, 2008m and IMDC, 2008n). These previous measurements were executed before the construction of CDW and at 2 measurement locations: CDW and Sill. In this project the CDW location is split up in 2 other locations: downstream and upstream from CDW.

The frame measurements of winter 2012 will be compared to the previous DGD measurement campaigns at the SILL location. Comparison will be made for a period of comparable tidal amplitudes, i.e. 27/4/06-6/5/06, 11/8/06-21/8/06, 19/3/07-30/3/07, 27/9/07-7/10/07, 8/3/08-18/3/08 and 28/09/11-11/10/11. Table 5-1 gives an overview of the abbreviations used in the figures for the comparison of the measurement campaigns of the Deurganckdok project.

Table 5-1: Measurement period and abbreviations used for the comparison of the frame measurements of the Deurganckdok project

Measurement campaign	Period	Abbreviation
Spring measurement 2006 (IMDC, 2006s)	19/04/2006 – 23/05/2006	Spring'06
Summer measurement 2006 (IMDC, 2007p)	18/07/2006 – 11/10/2006	Summer'06
Winter measurement 2007 (IMDC, 2007q)	09/02/2007 – 18/04/2007	Winter'07
Autumn measurement 2007 (IMDC, 2008m)	20/09/2007 – 18/12/2007	Autumn'07
Winter measurement 2008 (IMDC, 2008n)	20/02/2008 – 09/04/2008	Winter'08
After completing the CDW construction		
Autumn measurement 2011 (IMDC, 2012d)	13/09/2011 – 14/10/2011	Autumn '11
Spring measurement 2012	28/02/2012 – 21/03/2012	Winter '12

When comparing average SS concentrations measured 1m above the bed (RCM9 or Argus), during a period of comparable tidal amplitudes, the variations seem similar (Figure 5-1).. Further, the highest concentrations at 1m above the bottom were mainly measured during winters of 2007 and 2008; and spring of 2006. Lowest SS concentrations are monitored during autumn of 2007. The variations and the magnitude of SSC measurements at SILL after the CDW construction seems similar as before.

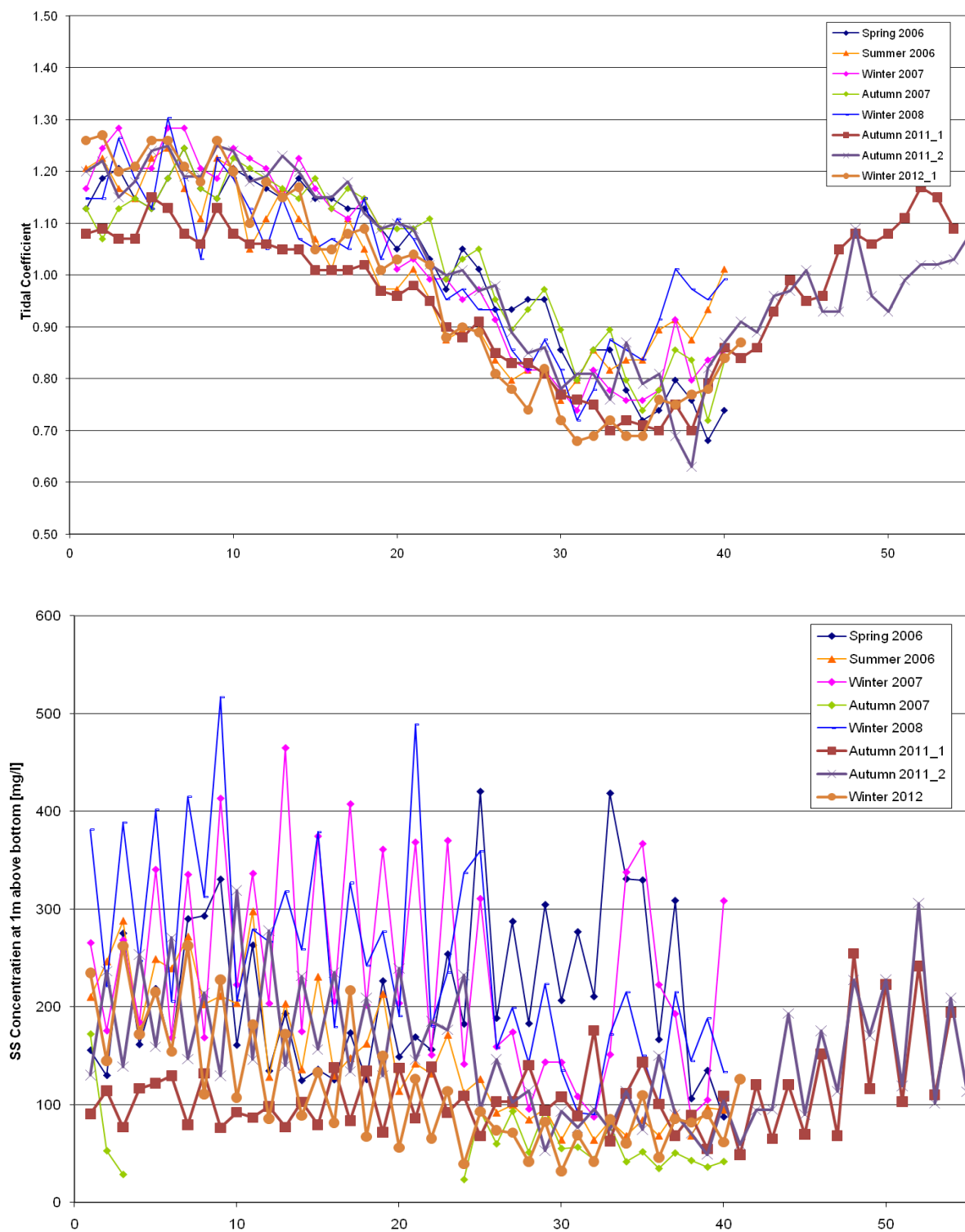


Figure 5-1 Average concentration per tidal phase about 1.0m above the bottom [Sill frame]

5.2 SILTPROFILER MEASUREMENT CAMPAIGN

Concerning the salinity on March 9th 2012, the depth average ranges from 1.5 to 6.5 ppt. Due to the high fresh water discharge of 300m³/s the salinity values are lower than 8.5-13ppt which are measured during the last campaign on September 2011 (IMDC, 2012d). This SiltProfiler campaign shows a similar variation in salinity as the previous campaigns. The maximal depth average salinity values occur between 1:00 and 2:30 after HW and the minimal depth average salinity values between 4:30 and 5:00 before HW. The points located nearby the river Scheldt have a higher salinity range than the points located in the dock. Due to the salinity difference density currents are formed. Around HW the saltier and sediment richer water of the river Scheldt flows near the bottom into the dock (Figure 5-2). Location A (in the dock) is set as the origin. The right hand side of the figure is at location E (in the river).

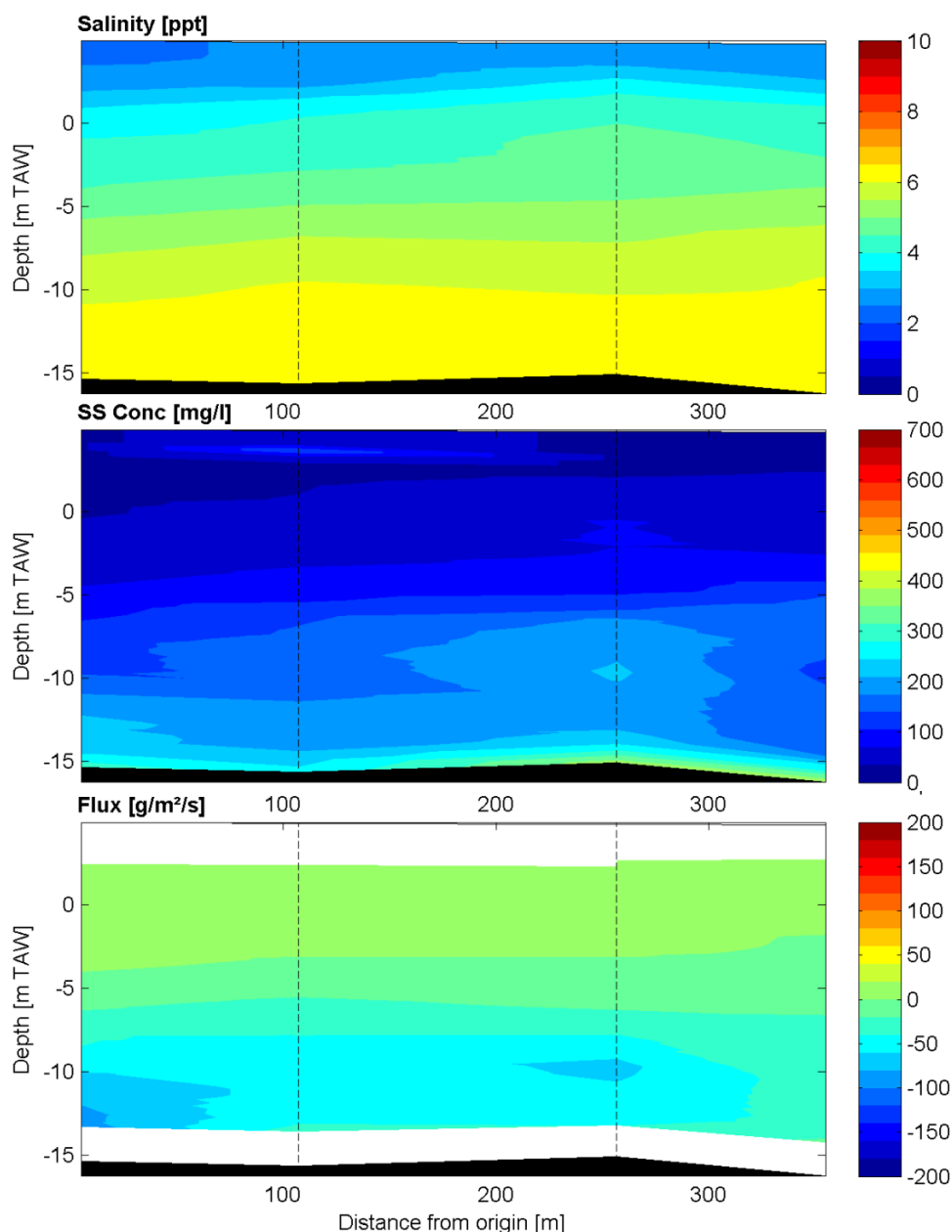


Figure 5-2: The measured density current during HW on transect Y.

Concerning the SS concentrations, the depth averages range from 28 mg/l up to 260 mg/l. The maximal depth average concentrations occur at the Scheldt side (points e and d). The high depth concentration events are around HW. The minimal depth average concentrations on the other hand are more in the dock at the South side (transect Z and points a and b) and are around 3:30 to 4:30 hours after HW. The SS concentrations in the water layer above -7.6m (TAW) are lower but show the same trend as the bottom layer. In general the average SS concentrations taken over several points during the measurement campaign show a spatial pattern (Table 5-2): an increase in average SS concentration from the dock to the river Scheldt and an decrease from transect X (North side) to transect Z (South side).

Table 5-2: Overview of spatial distribution of the depth average SSC (mg/l).

Location	Transect X (North side)	Transect Y	Transect Z (South side)
e (river Scheldt)	141	128	113
d	128	115	97
c	102	96	78
b	90	82	76
a (dock)	91	75	74

Compared to previous SiltProfiler measurement campaigns in March during spring tide conditions the SS concentrations of this campaign are the lowest (Table 5-3). The highest average concentrations were mainly measured during winter and spring and the lowest during summer and autumn. The tidal coefficient and period of this campaign were comparable to the SiltProfiler measurement campaign of March 13th 2009 (IMDC, 2009j). In general, the SS concentrations of March 2012 has the same magnitude as in March 2009 expect between HW and 3 hours after HW where the concentrations are lower (Figure 5-3 - Figure 5-5). In Figure 5-3 - Figure 5-5 the SS concentrations and water level are compared to the time to HW.

The current deflecting wall (CDW) construction is supposed to reduce the more turbid waters in the lower half of the water column by diverting the water during flood towards the river Scheldt. The SSC reduction as effect of CDW is not clearly visible during flood. To determine the effect of CDW is not easy due to the boundary conditions (tidal coefficient, salinity gradient between dock and river, dredging strategy, etc.). An extensive analysis is necessary and will be covered in the analysis report.

Table 5-3: Overview of the SiltProfiler measurements at the entrance of Deurganckdok including tidal coefficient, average bottom level and average SSC.

Date	Tidal coefficient	Fresh water discharge [m³/s]	Average bottom elevation [mTAW]			Average SSC during the campaign (mg/l)			SSC Rank
			Xb	Yb	Zb	Xb	Yb	Zb	
21/03/2006	0.95-0.98	94	-14.1	-14.5	-14.6	79	75	98	5
26/09/2006	1.04-1.08	33	-14.1	-14.5	-14.6	34	32	32	8
The dock is enlarged to 1.019 km² after completing the 3 rd phase									
23/10/2007	0.87-0.96	46	-14.1	-14.5	-13.8	40	55	37	7
12/03/2008	1.06-1.18	286	-13.4	-13.7	-13.8	150	127	131	1
29/09/2008	1.07-1.14	82	-14.1	-14.3	-13.8	49	54	55	5
13/03/2009	1.22-1.24	129	-14.1	-14.3	-13.8	117	99	102	2
Since June 2010, the sill at the entrance is completely dredged and CDW construction is completed in August 2011.									
27/09/2011	1.09-1.14	40	-14.0	-15.1	15.4	112	118	100	3
09/03/2012	1.20-1.26	300	-14.6	-15.5	-15.3	90	82	76	4

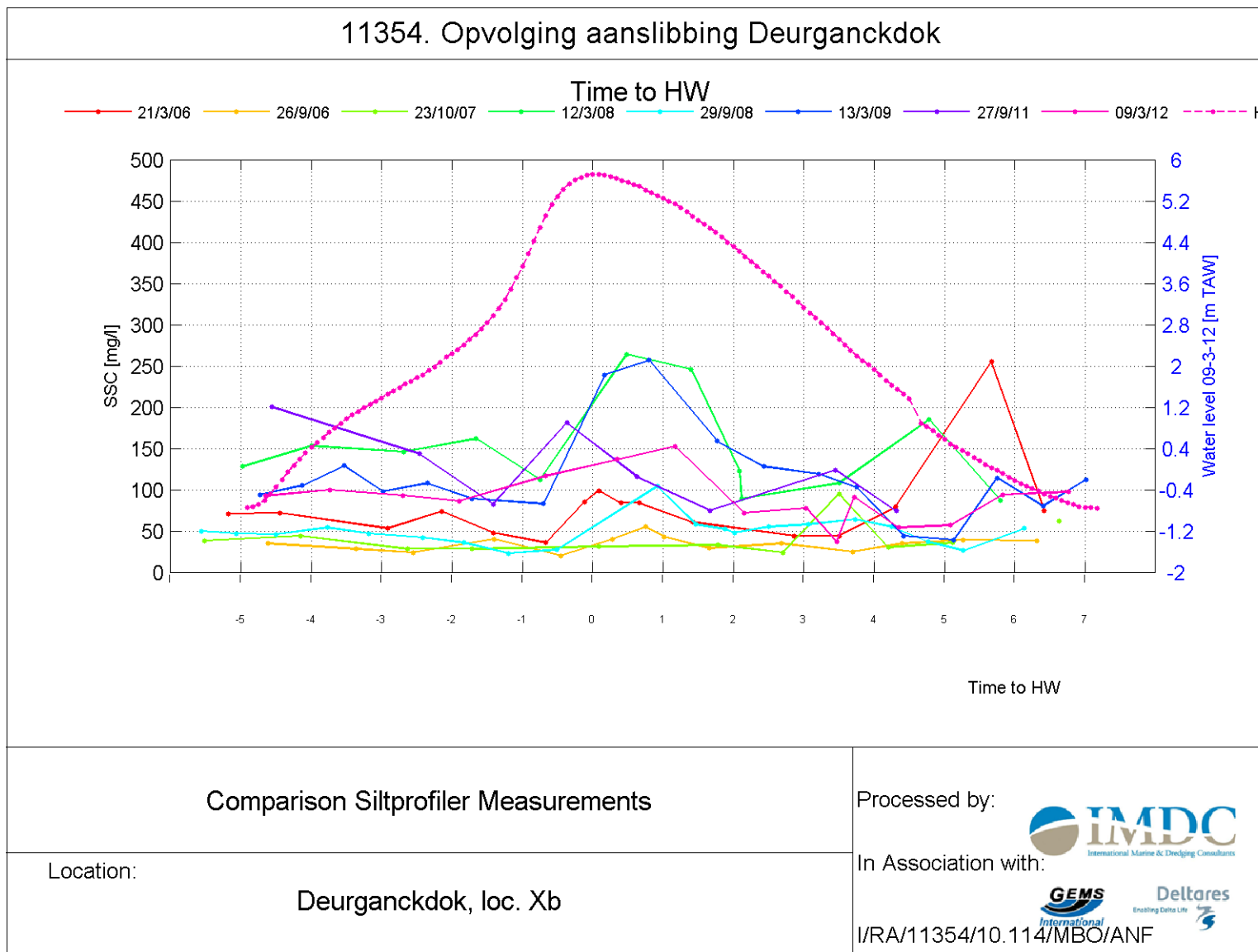


Figure 5-3 Comparison of depth average concentrations at location Xb for all SiltProfiler measurement campaigns at the entrance of DGD

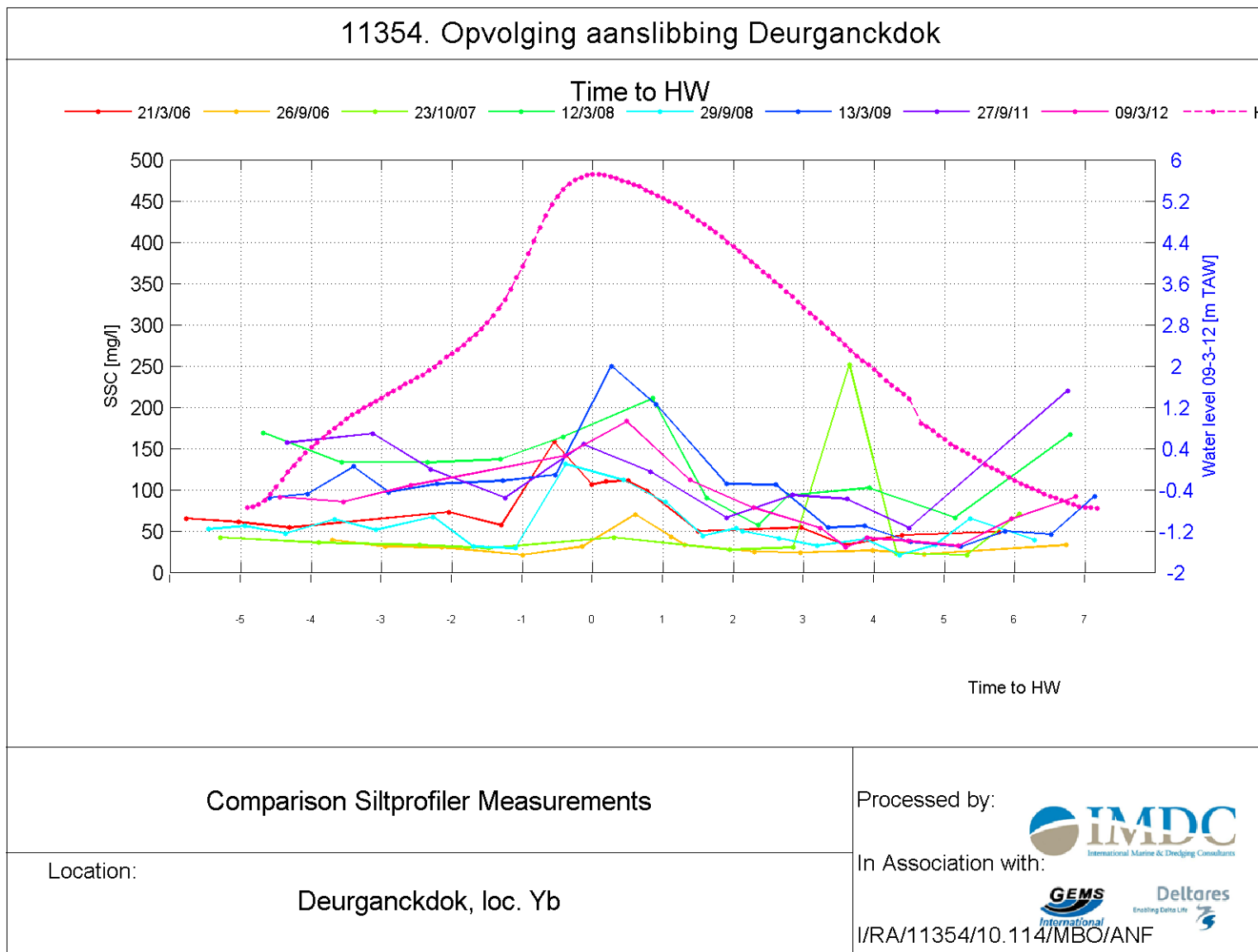


Figure 5-4 Comparison of depth average concentrations at location Yb for all SiltProfiler measurement campaigns at the entrance of DGD

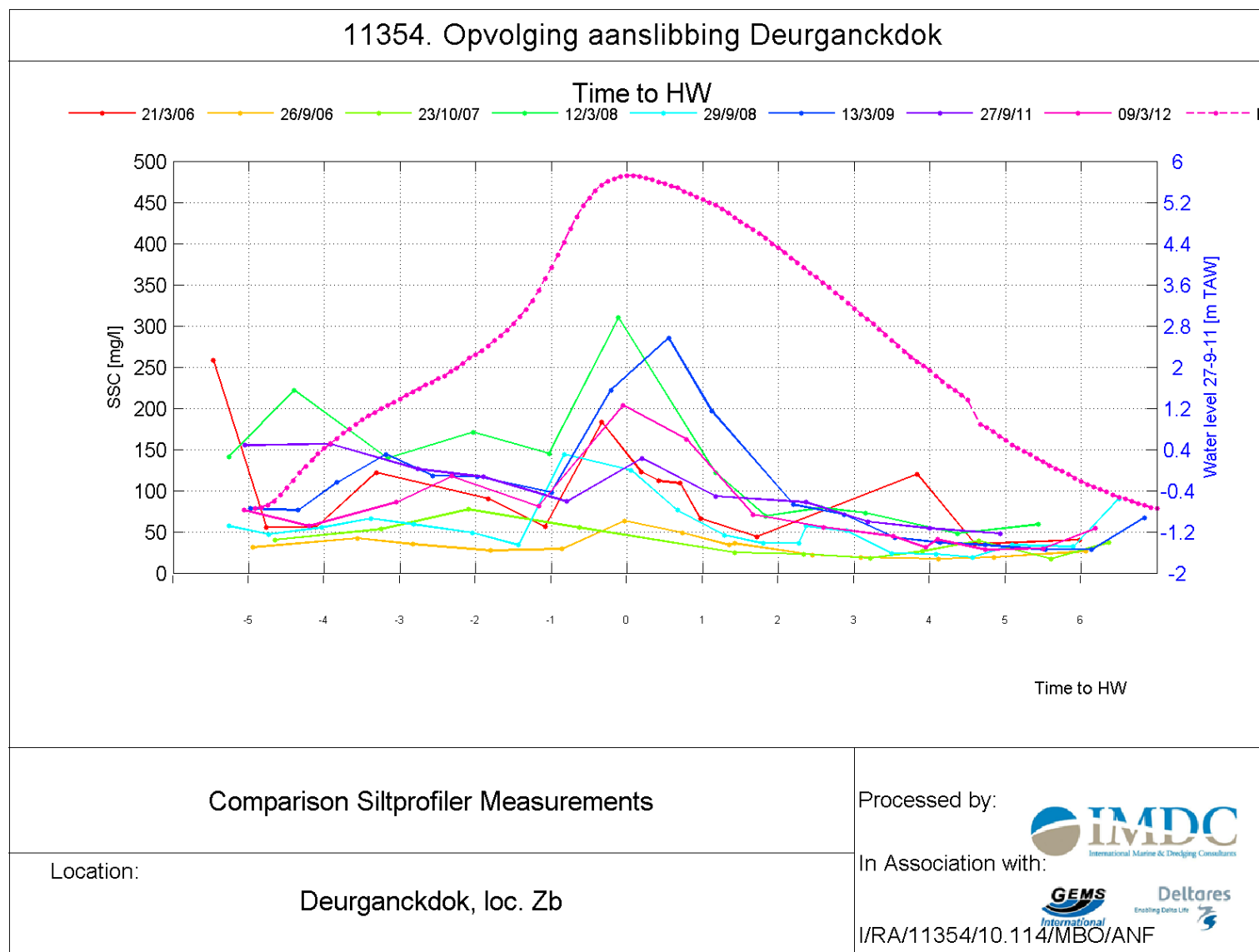


Figure 5-5 Comparison of depth average concentrations at location Zb for all SiltProfiler measurement campaigns at the entrance of DGD

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IMDC (2010a) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.5 Through Tide measurement: eddy currents DGD 02/03/2010 (I/RA/11283/10.051/MSA)

IMDC (2010b) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.8 Sal-Silt distribution Deurganckdok 01/04/2009 – 31/03/2010 (I/RA/11354/10.068/NZI)

IMDC (2011a) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.1 Annual Sediment Balance year 1: 1/04/2009 – 31/03/2010 (I/RA/11354/10.067/NZI)

IMDC (2011b) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.2 Annual Sediment Balance year 2: 1/04/2009 – 31/03/2010 (I/RA/11354/10.100/MBO/ANF)

IMDC (2011c) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.4 Boundary Conditions year 1: 01/04/2009 – 31/03/2010 (I/RA/11354/10.102/MBO/ANF)

IMDC (2011d) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.7 Synthesis report of research on Current Deflecting Wall (I/RA/11354/10.063/MBO)

IMDC (2012a) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.1 Through Tide Sediview measurement: entrance DGD during spring tide in Autumn 2011 (I/RA/11354/10.106/MBO/ANF)

IMDC (2012b) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.1 Through Tide Sediview measurement: entrance DGD during neap tide in Autumn 2011 (I/RA/11354/10.107/MBO/ANF)

IMDC (2012c) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.5 Through Tide measurement: eddy currents DGD Autumn 2011 (I/RA/11354/10.110/MBO/ANF)

IMDC (2012d) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.10 Salt-Silt & Current Distribution entrance Deurganckdok: Frame measurements and through tide measurements: Autumn 2011 (I/RA/11354/11.131/BQU)

IMDC (2012e) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.12 Calibration stationary & mobile equipment 16/03/2011 (I/RA/11354/11.113/MBO/ANF)

IMDC (2012f) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.5 Boundary conditions year 2: 01/04/2010 – 31/03/2011 (I/RA/11354/11.103/MBO/ANF)

IMDC (2012g) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.3 Through Tide Sediview measurement: entrance DGD during spring tide in Winter 2012 (I/RA/11354/10.108/MBO/ANF)

IMDC (2012h) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.4 Through Tide Sediview measurement: entrance DGD during neap tide in Winter 2012 (I/RA/11354/10.109/MBO/ANF)

IMDC (2012k) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.7 Through Tide measurement: eddy currents DGD Winter 2012 (I/RA/11354/10.111/MBO/ANF)

IMDC (2012l) Evaluatie externe effecten aanslibbing Deurganckdok Deelrapport 2.11 Salt-Silt & Current Distribution entrance Deurganckdok: Frame measurements and through tide measurements: Winter 2012 (I/RA/11354/11.114/MBO/ANF)

IMDC (2012m) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.3 Annual Sediment Balance year 3: 1/04/2011 – 31/03/2012 (I/RA/11354/10.101/MBO/ANF)

IMDC (2012n) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.9 Sal-Silt distribution Deurganckdok 01/04/2009 – 31/05/2010 (I/RA/11354/10.112/MBO/ANF)

IMDC (2012o) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 2.13 Calibration stationary & mobile equipment 01/06/2012 (I/RA/11354/12.011/JCA)

IMDC (2012p) Evaluatie externe effecten aanslibbing Deurganckdok. Deelrapport 1.6 Boundary conditions year 3: 01/04/2011 – 31/03/2012 (I/RA/11354/11.104/MBO/ANF)

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.

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

Unesco (1983). Algorithms for computation of fundamental properties of seawater, UNESCO Technical Papers in Marine Science, 44. UNESCO, France.

WL|Delft Hydraulics and IMDC (2006), 3D slibtransport model Zeeschelde, Scenario 6: Validatie hydrodynamica 3D slibmodel nabij het Deurganckdok, Versie 2.0, April 2006,Z3824.40,Notitie 8f

Wunderground (2012). Weather Underground: www.wunderground.com

Annex A Unesco PSS-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 = $\frac{C}{42.914\text{mS / cm}}$							
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 = $1 + \frac{p(e_1 + e_2p + e_3p^2)}{1 + d_1t + d_2t^2 + (d_3 + d_4t)R}$							
rt	1.1641102	r_t = $c_0 + c_1t + c_2t^2 + c_3t^3 + c_4t^4$							
Rt	0.0099879	R_t = $\frac{R}{R_p \times r_t}$							
Delta S	-0.0010	Delta S = $\frac{(t-15)}{1+k(t-15)} (b_0 + b_1R_t^{1/2} + b_2R_t^{3/2} + b_3R_t^{5/2} + b_4R_t^2 + b_5R_t^{5/2})$							
S = Salinity	0.257	S = $a_0 + a_1R_t^{1/2} + a_2R_t^{3/2} + a_3R_t^2 + a_4R_t^{5/2} + a_5R_t^{5/2} + \text{delta S}$							
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.

$$R = R_t \times R_p \times r_t$$

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

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

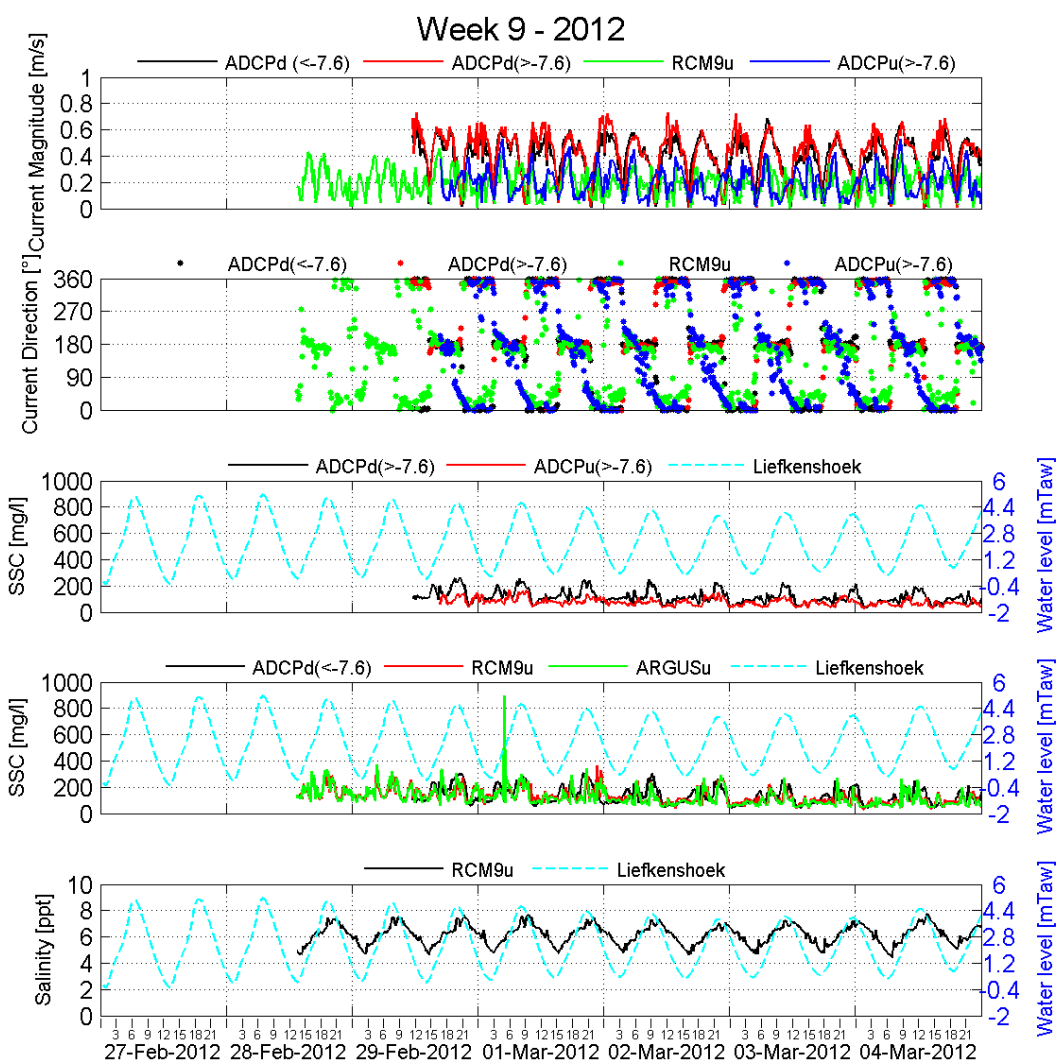
Ocean pressure is usually measured in decibars. 1 dbar = 10^{-1} bar = 10^5 dyne/cm² = 10^4 Pascal.

Annex B Velocity – Direction – SSC – Salinity Week Series

B.1 Weekseries

B.1.1 Frames CDW upstream and CDW downstream

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Location:

Current Deflecting Wall (d=CDWdown, u=CDWup)

Processed by:

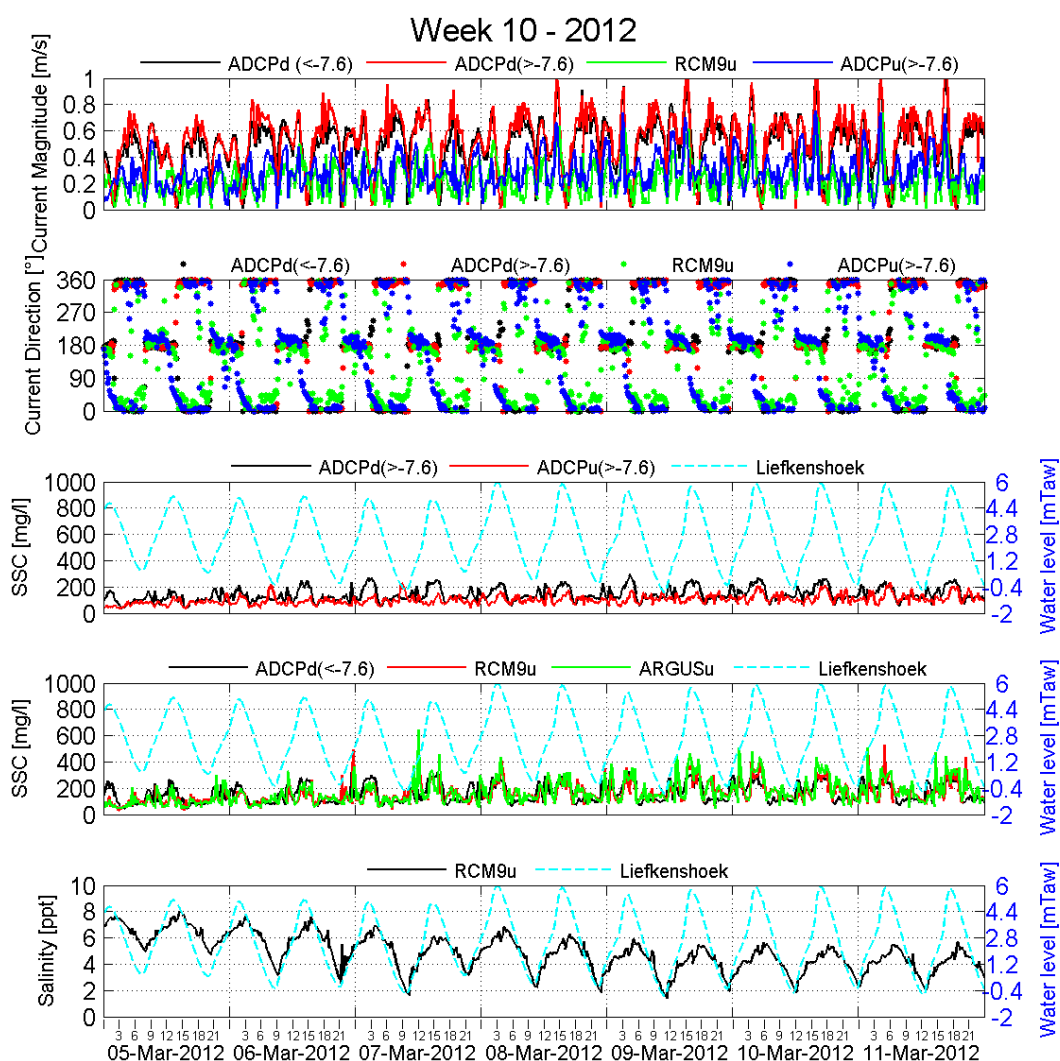


In Association with:



I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Processed by:



Location:

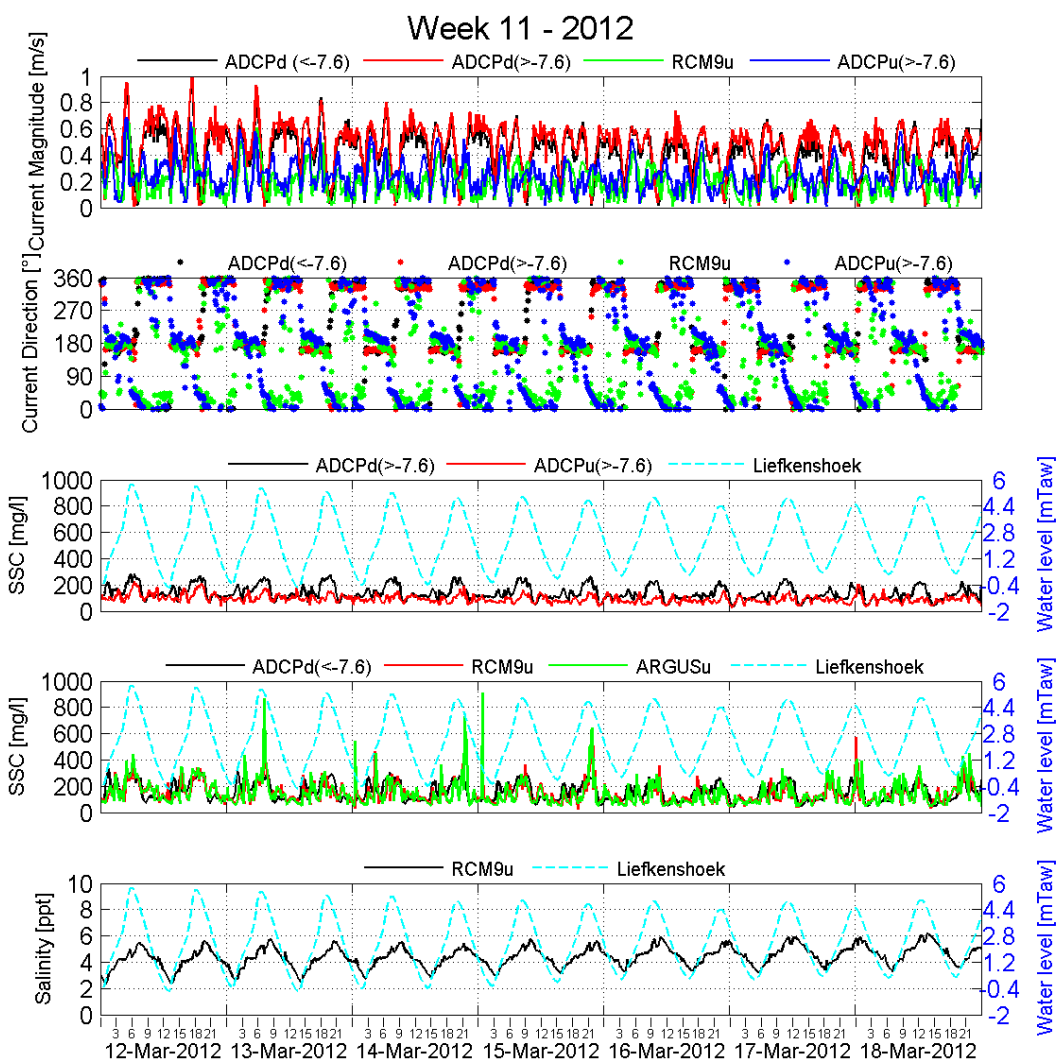
In Association with:



Current Deflecting Wall (d=CDWdown, u=CDWup)

I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Processed by:



In Association with:

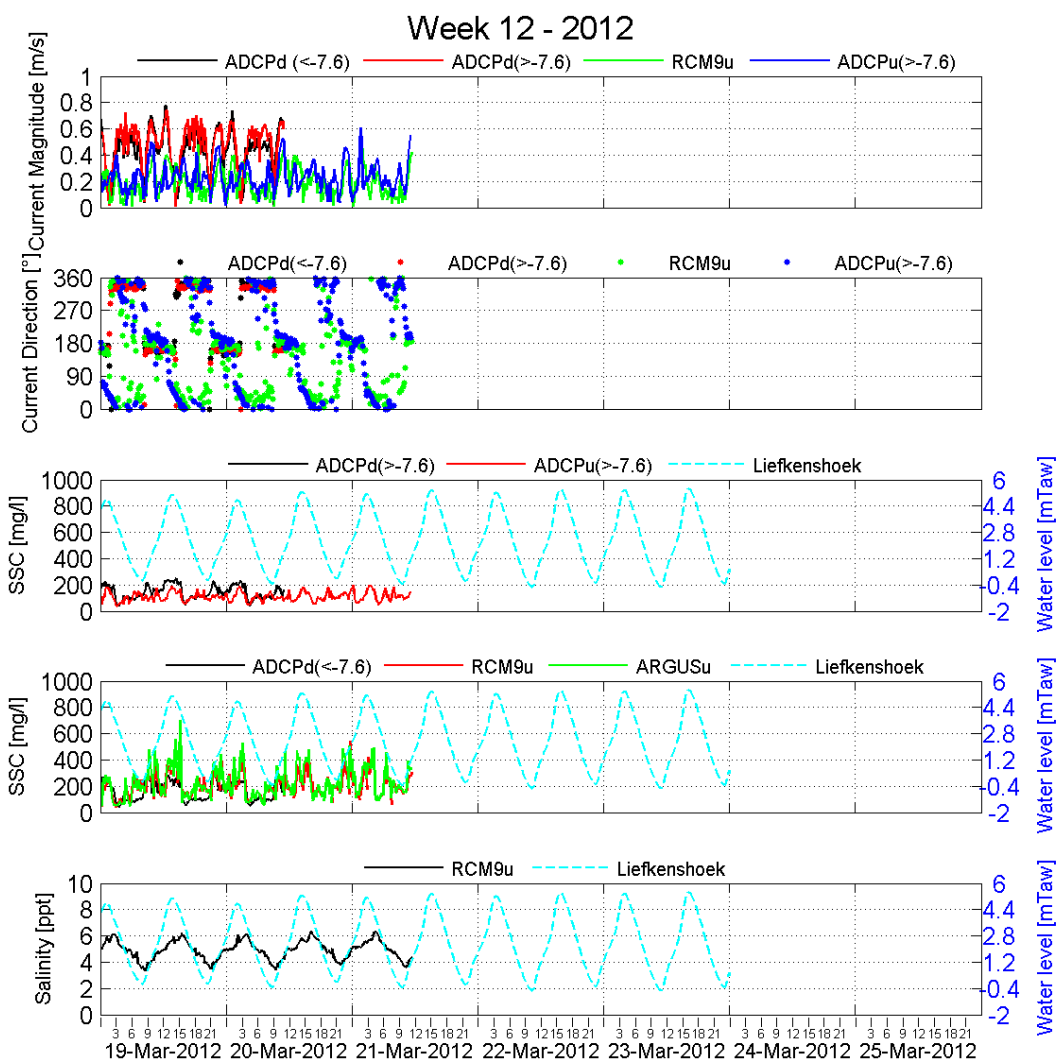


Location:

Current Deflecting Wall (d=CDWdown, u=CDWup)

I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Location:

Current Deflecting Wall (d=CDWdown, u=CDWup)

Processed by:



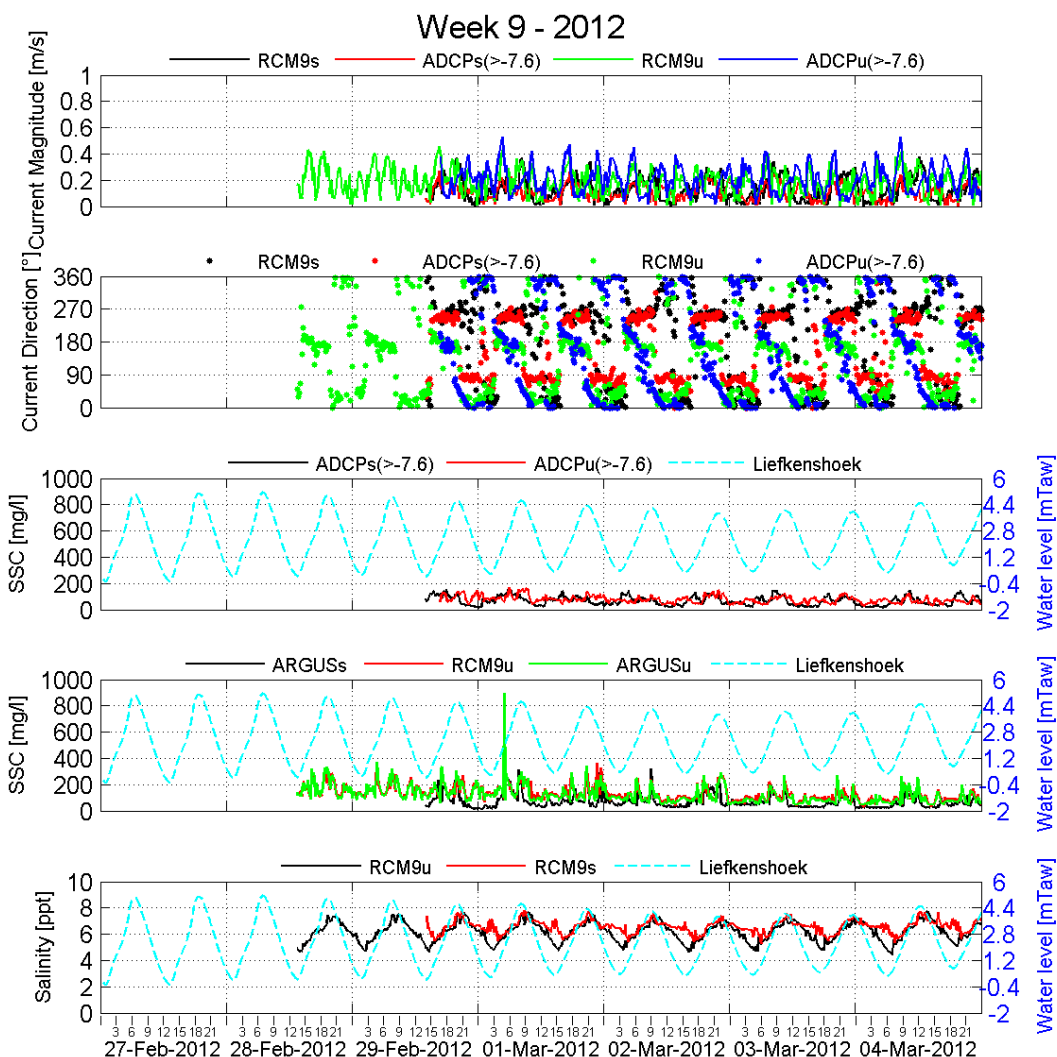
In Association with:



I/RA/11354/10.114/MBO/ANF

B.1.2 Frames SILL and CDW upstream

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Location:

Entrance Deurganckdok (s=SILL, u=CDWup)

Processed by:

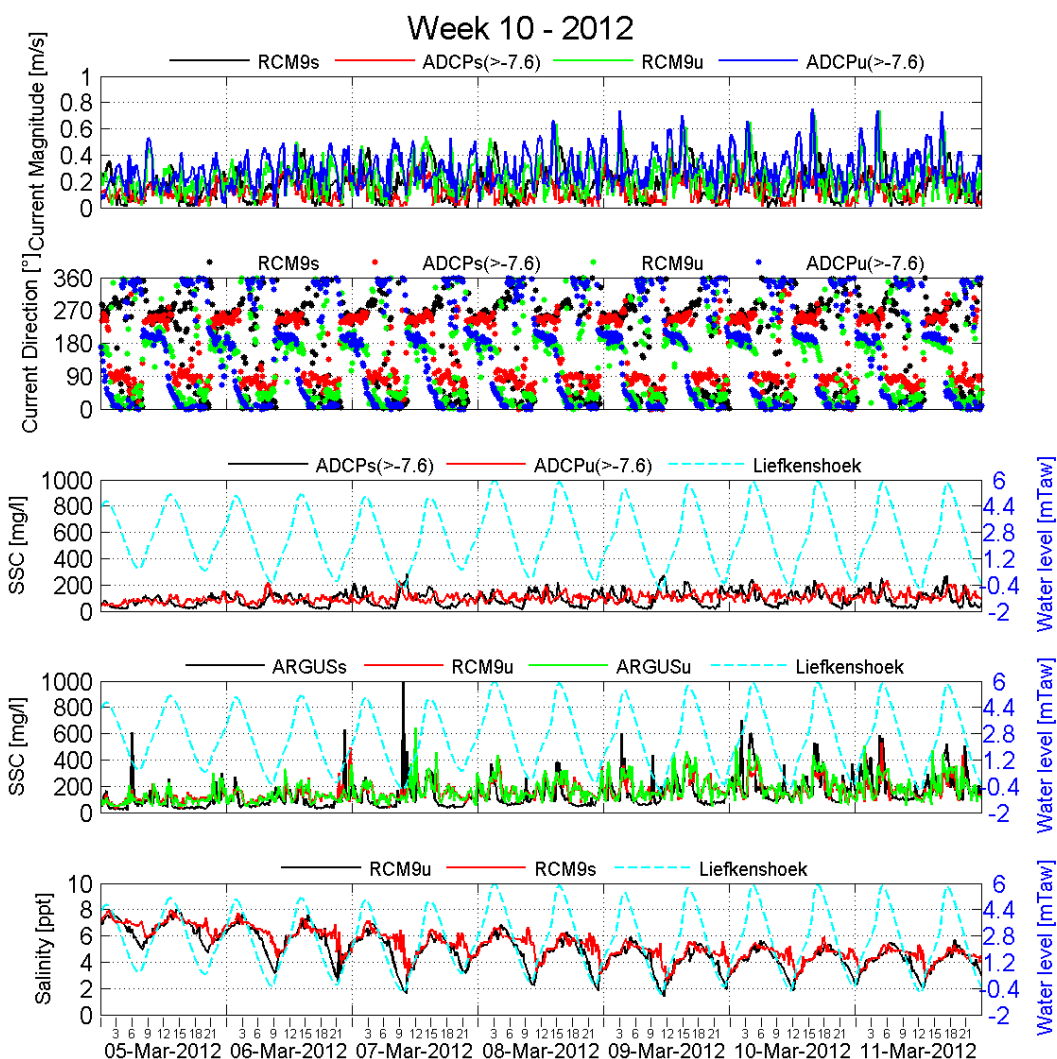


In Association with:



I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Processed by:



Location:

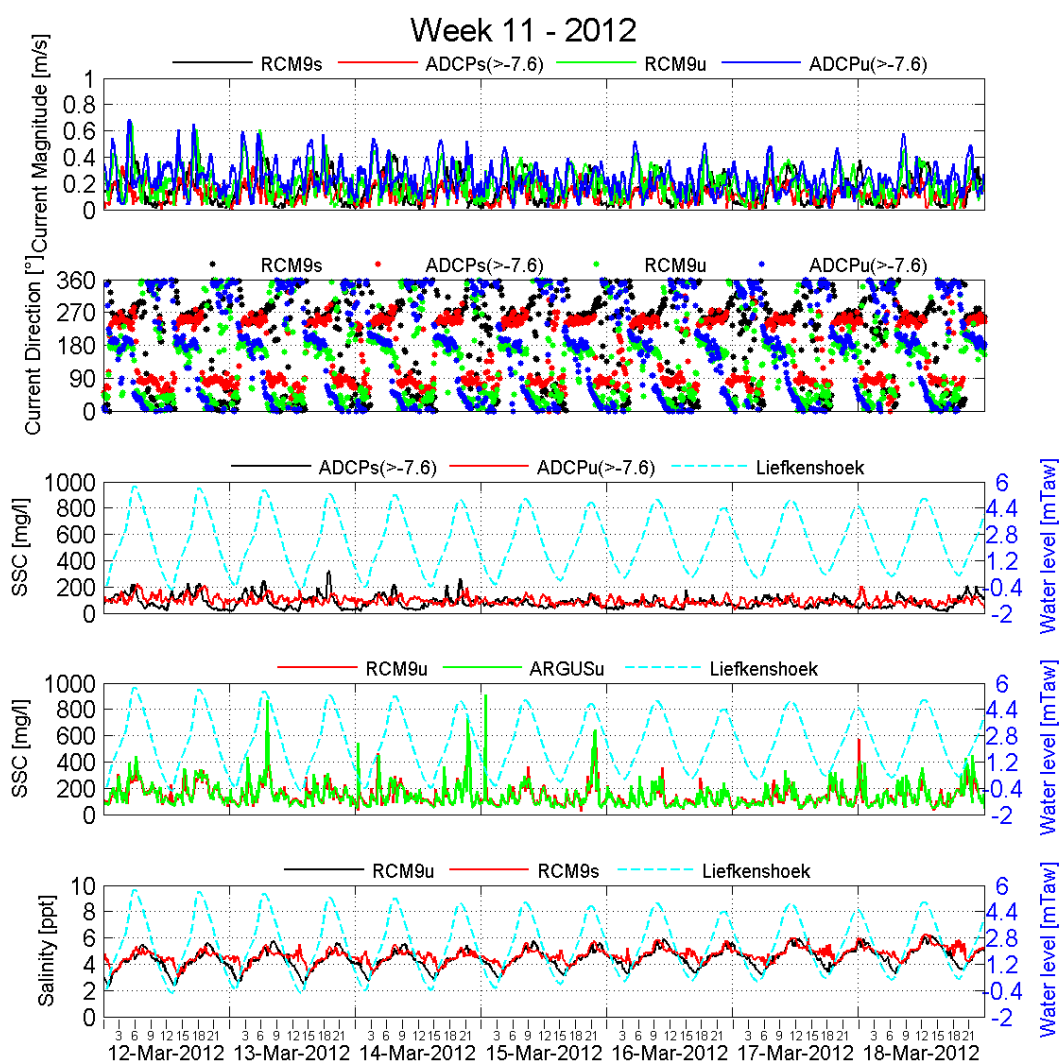
Entrance Deurganckdok (s=SILL, u=CDWup)

In Association with:



I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Location:

Entrance Deurganckdok (s=SILL, u=CDWup)

Processed by:

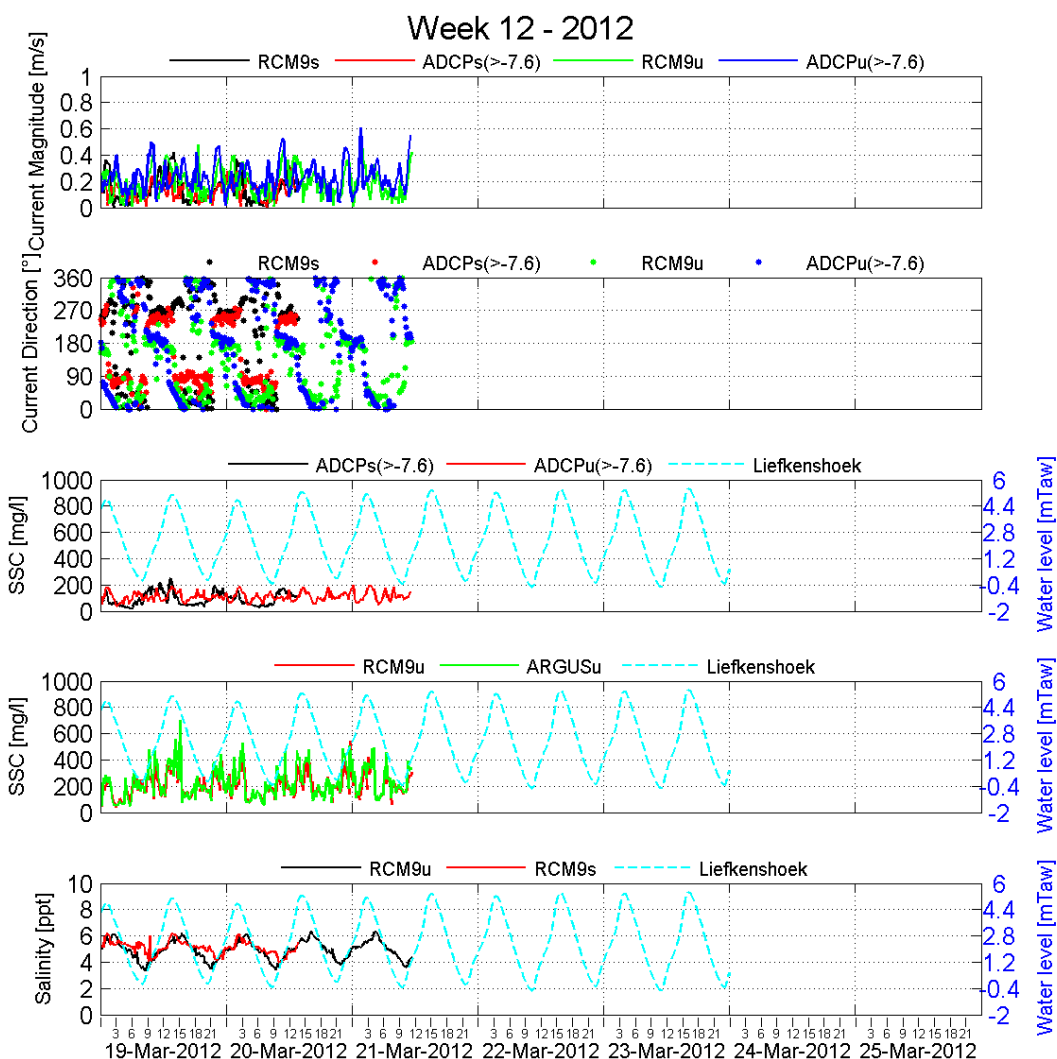


In Association with:



I/RA/11354/10.114/MBO/ANF

11354 - Evaluation external effects sedimentation Deurganckdok



Week series of Current Velocity, Current Direction,
SS Concentration, Salinity and Tide

Location:

Entrance Deurganckdok (s=SILL, u=CDWup)

Processed by:



In Association with:

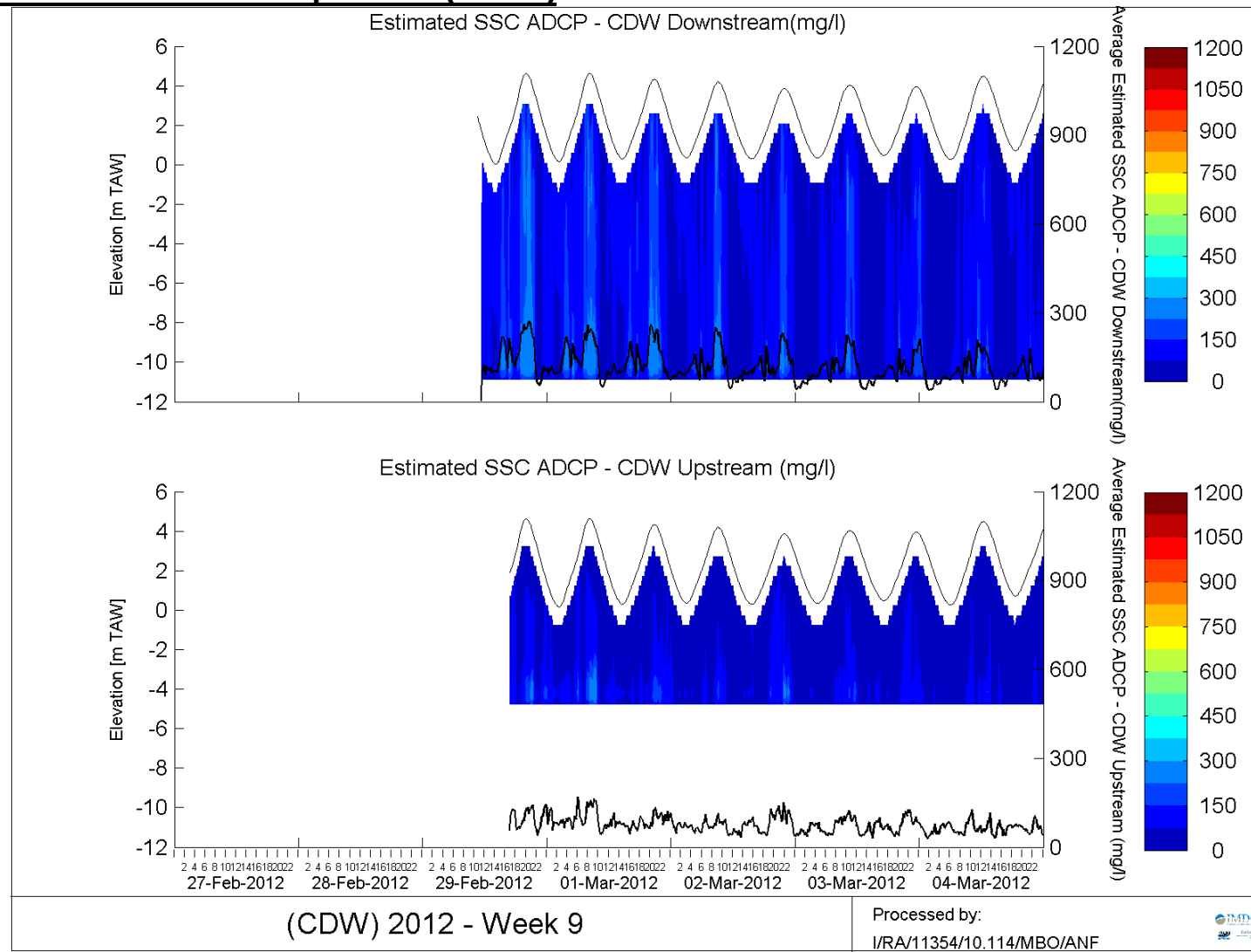


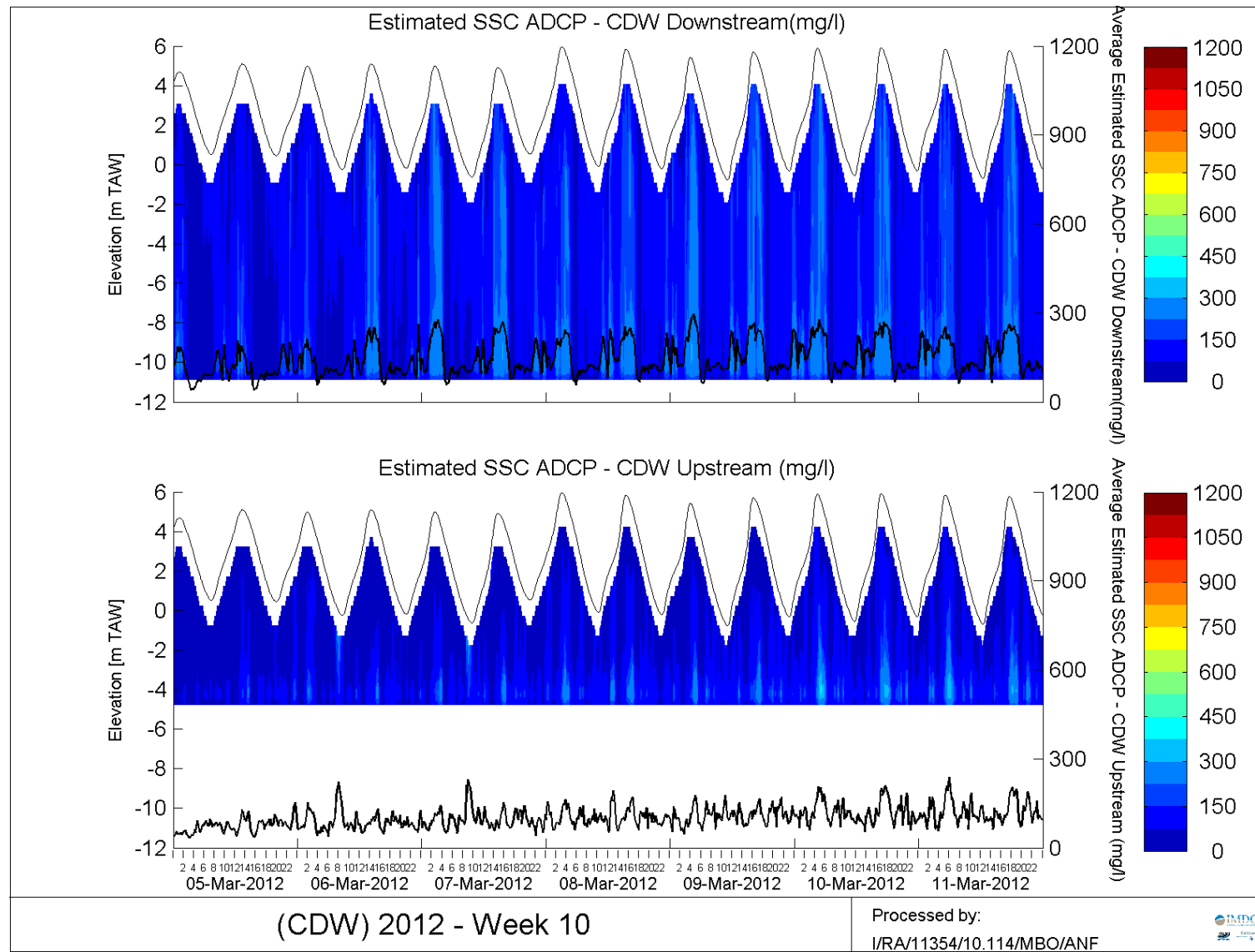
I/RA/11354/10.114/MBO/ANF

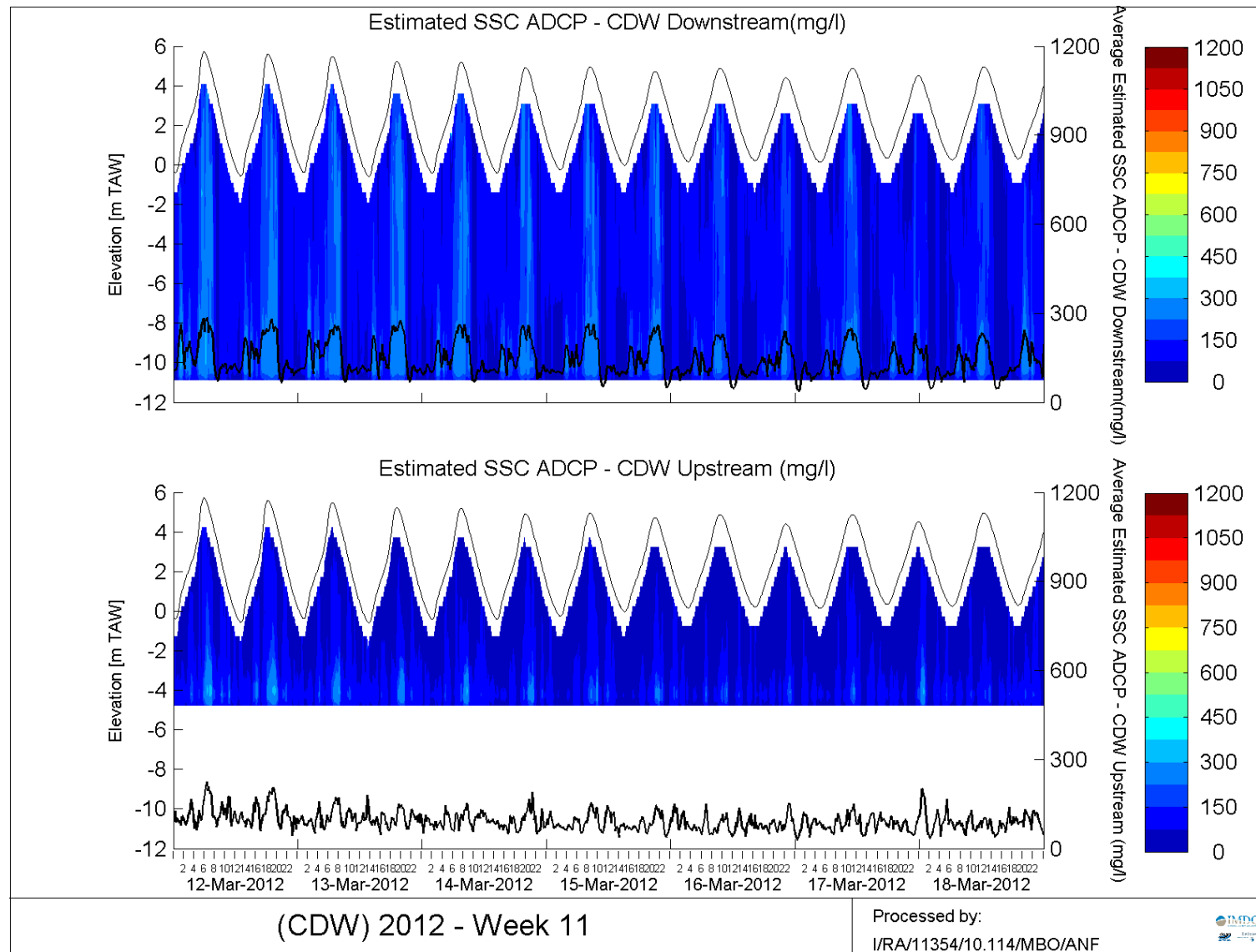
B.2 Contourplots

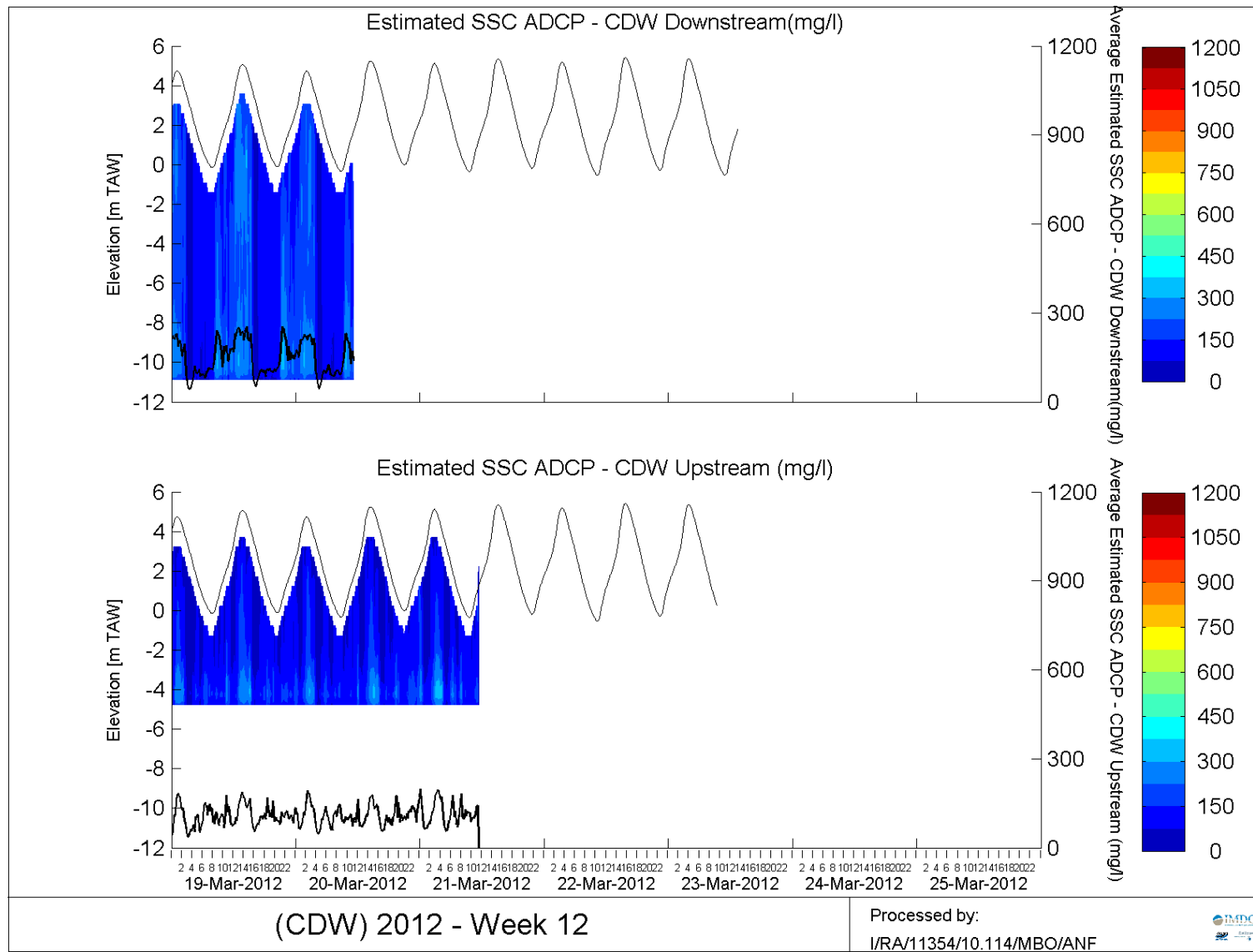
B.2.1 Suspended sediment concentration

CDW downstream and CDW upstream (ADCP)

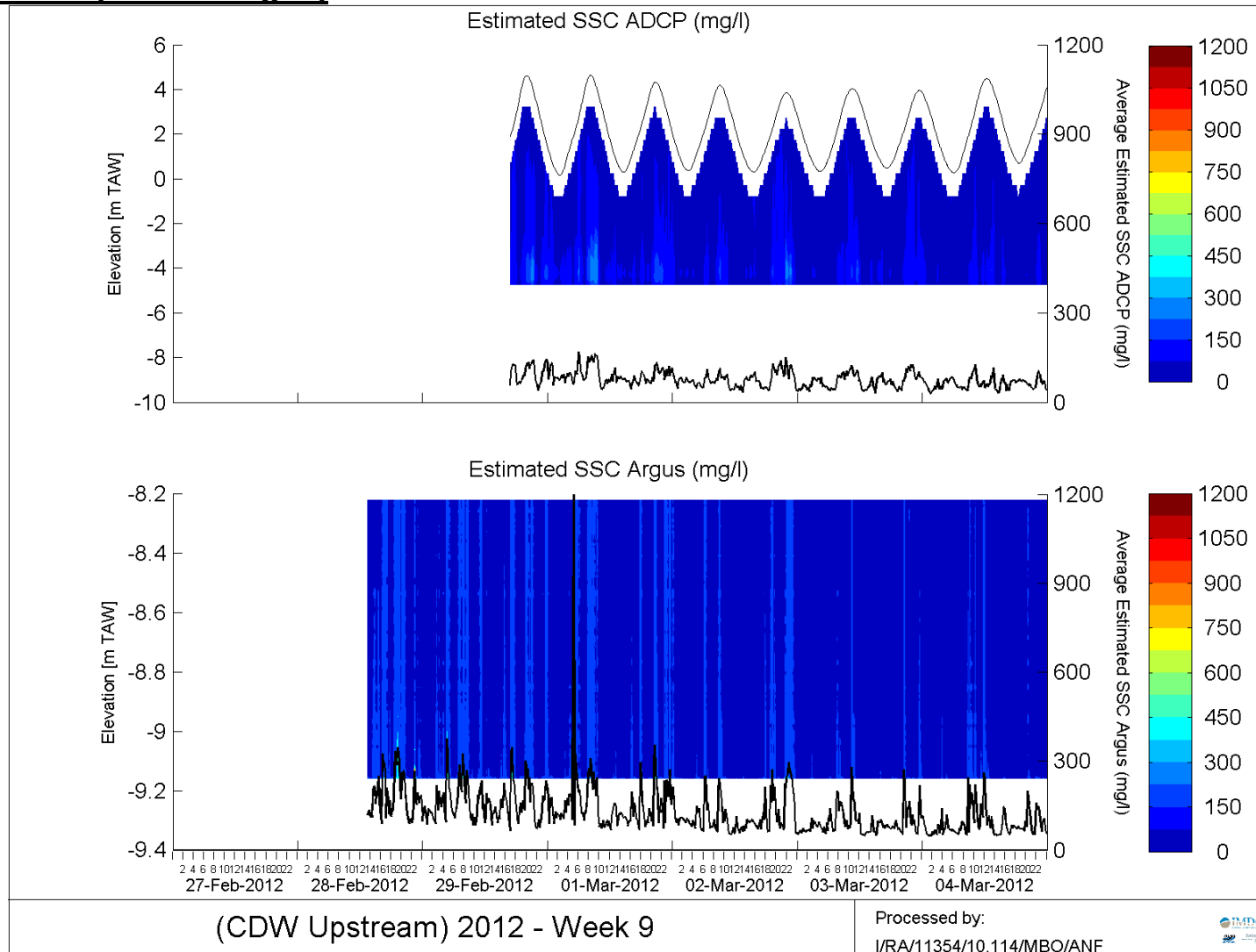


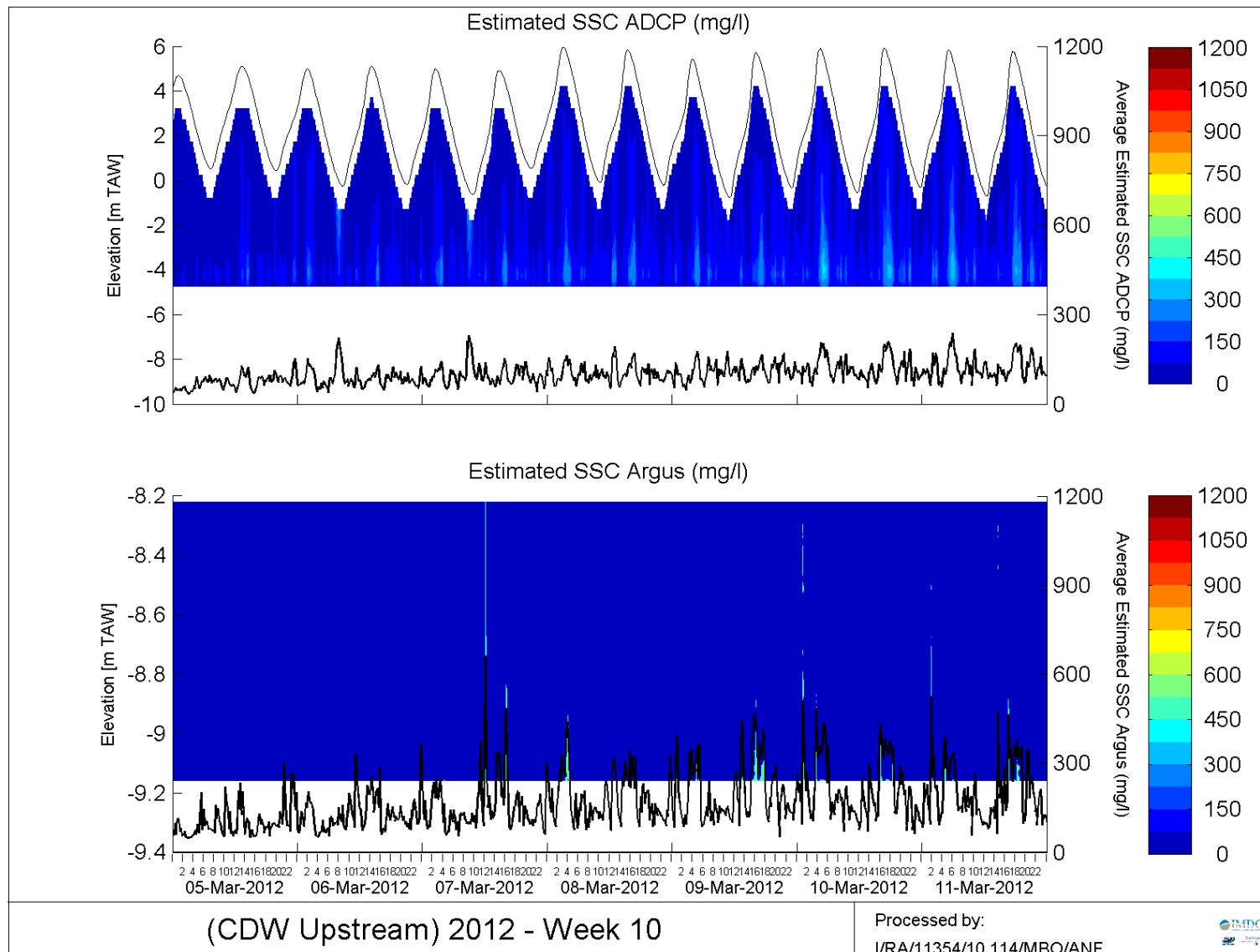


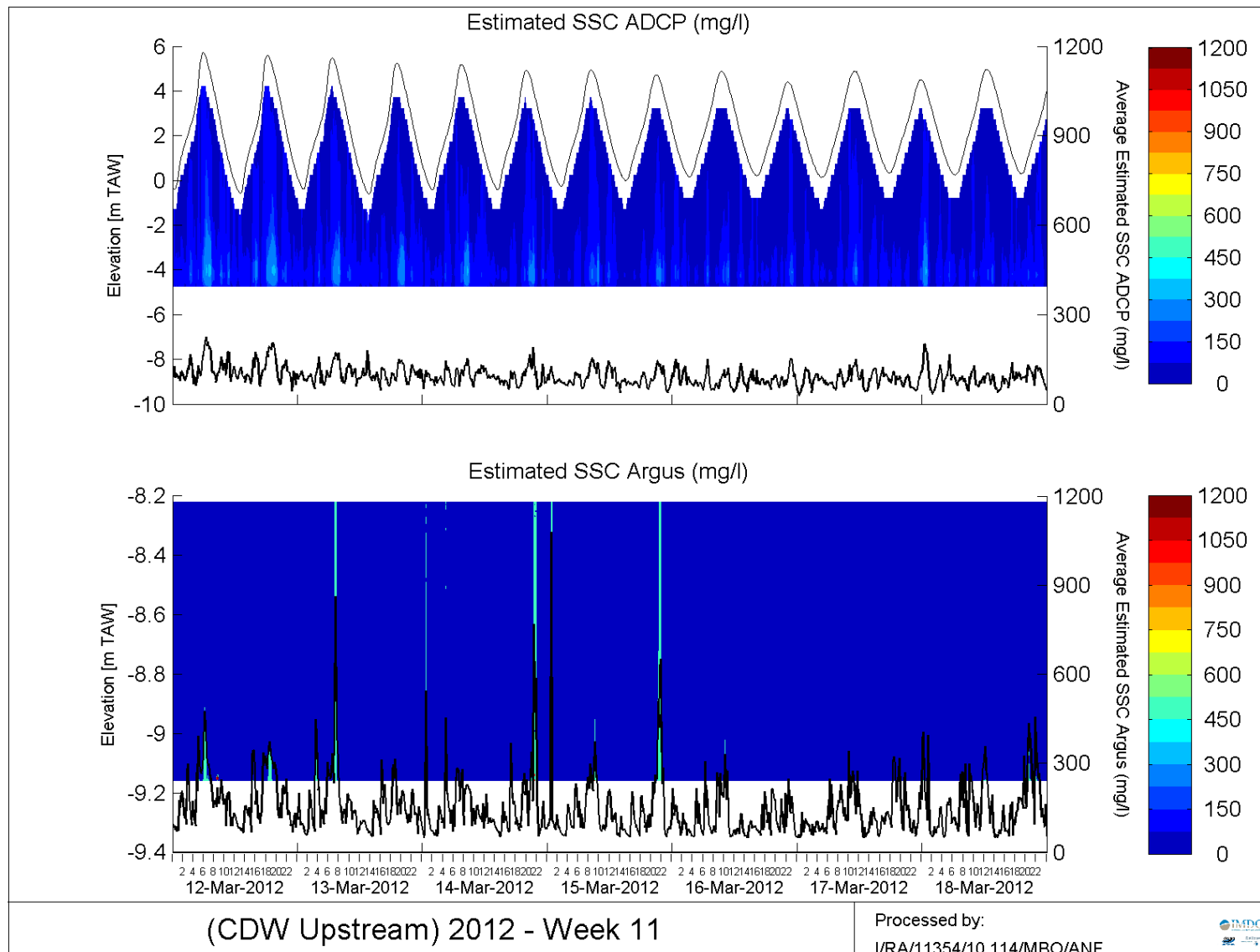


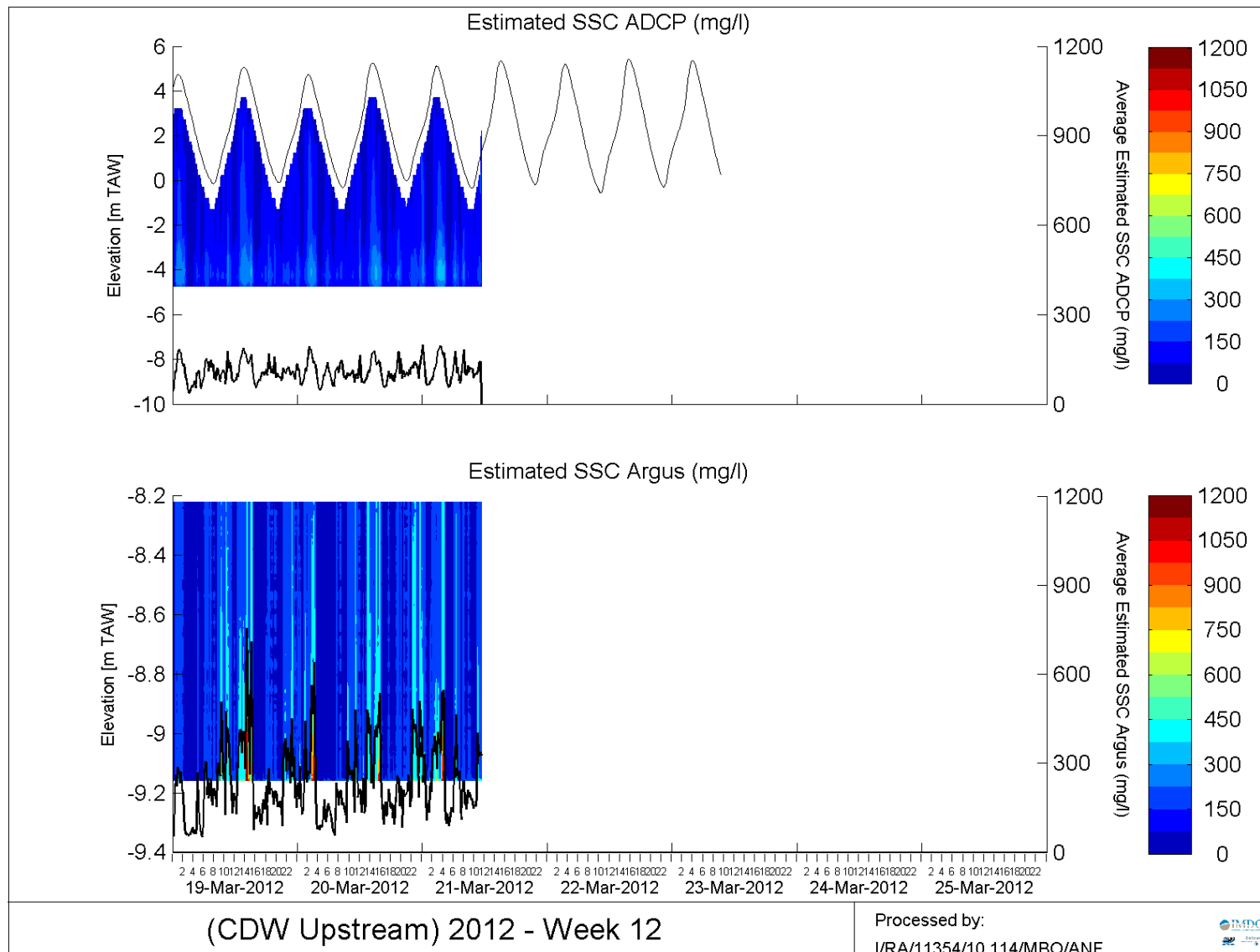


CDW upstream (ADCP - Argus)

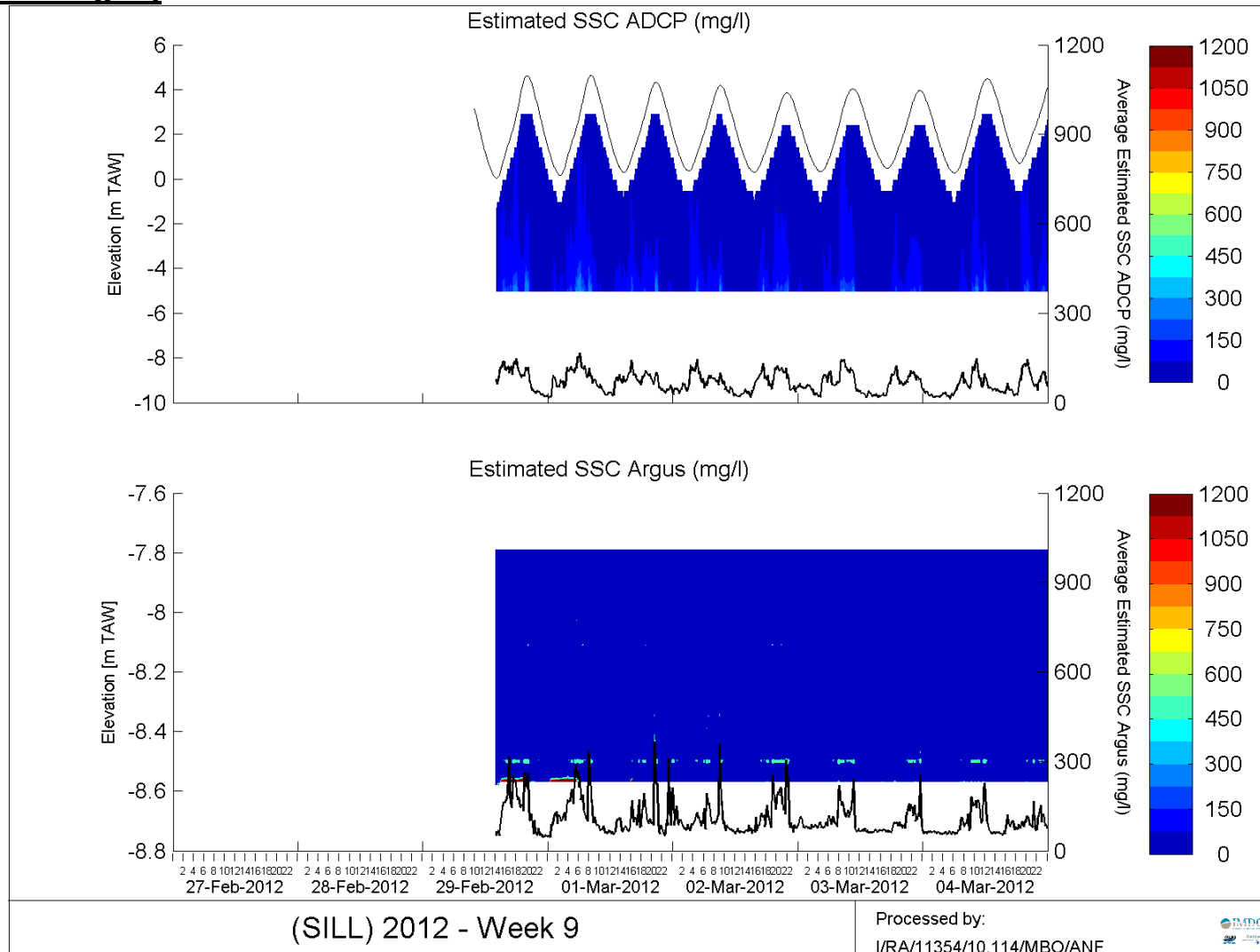


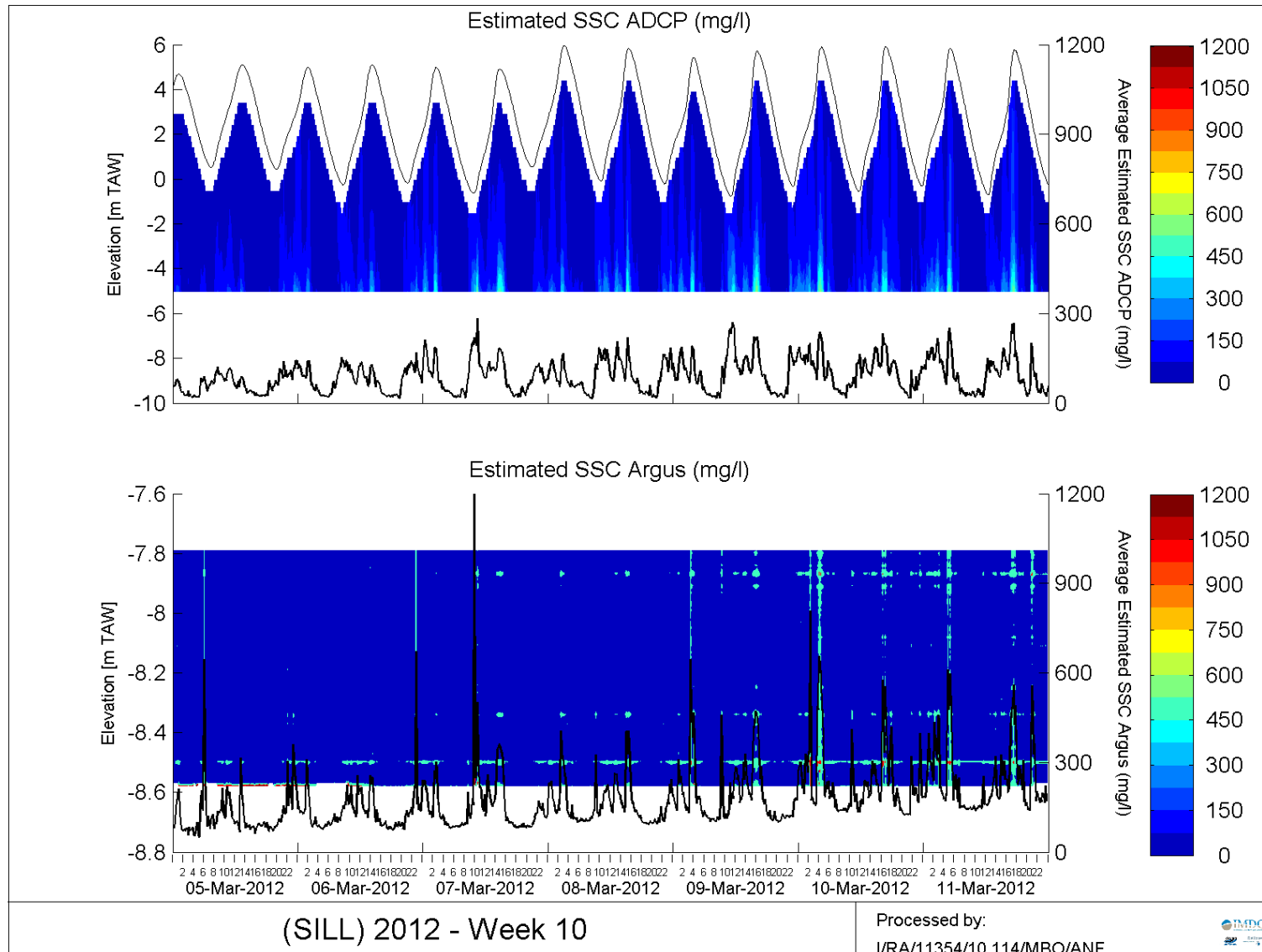


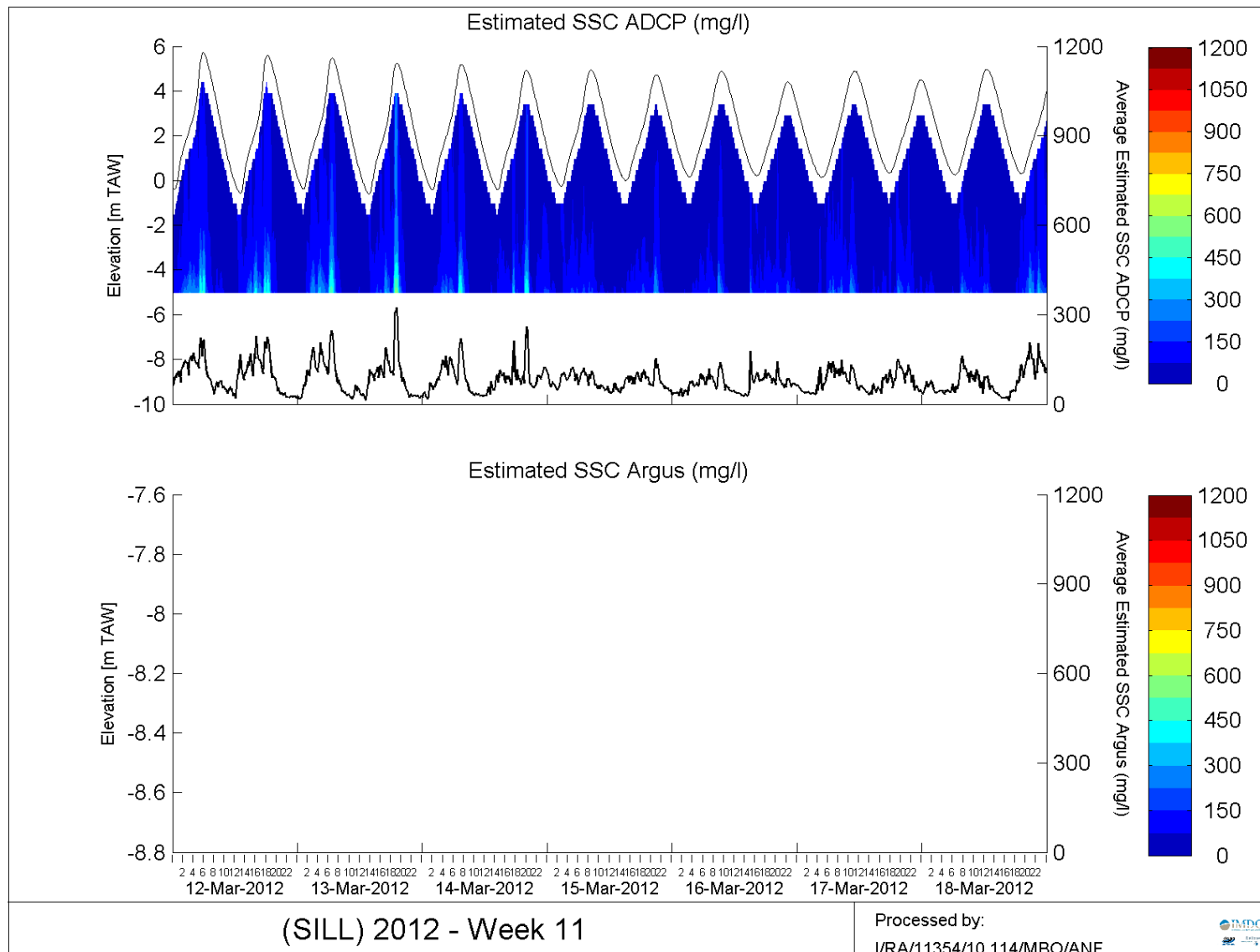


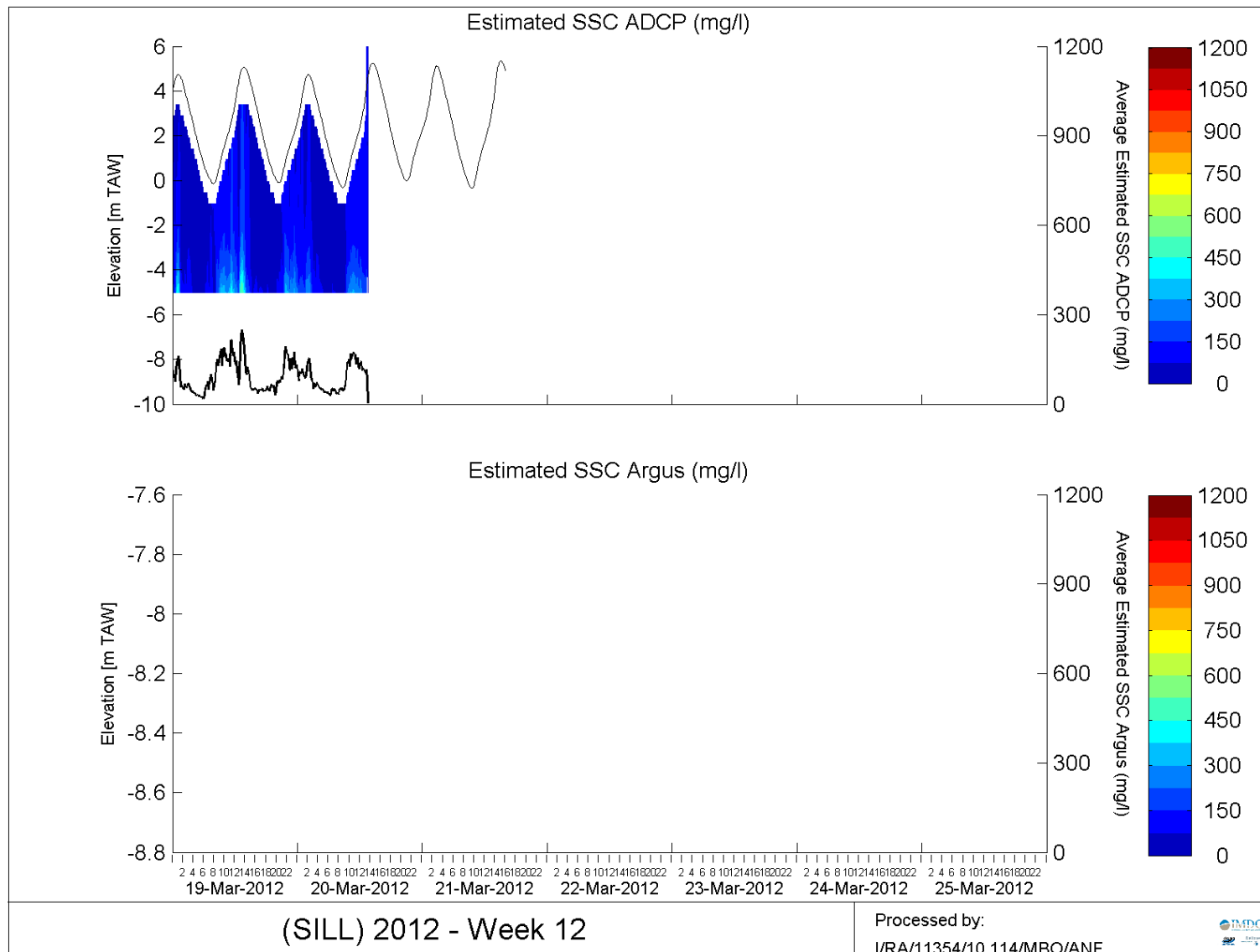


SILL (ADCP - Argus)



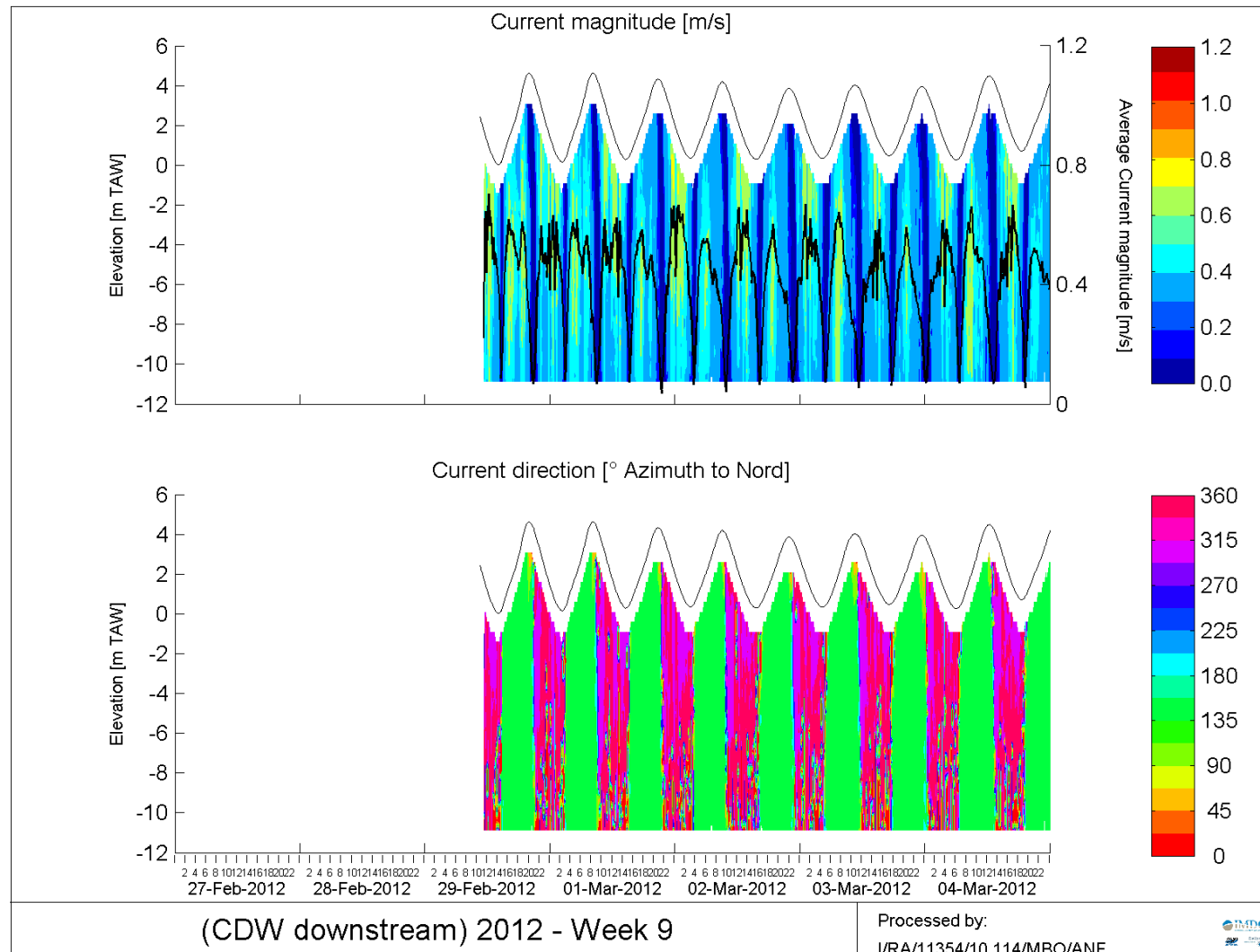


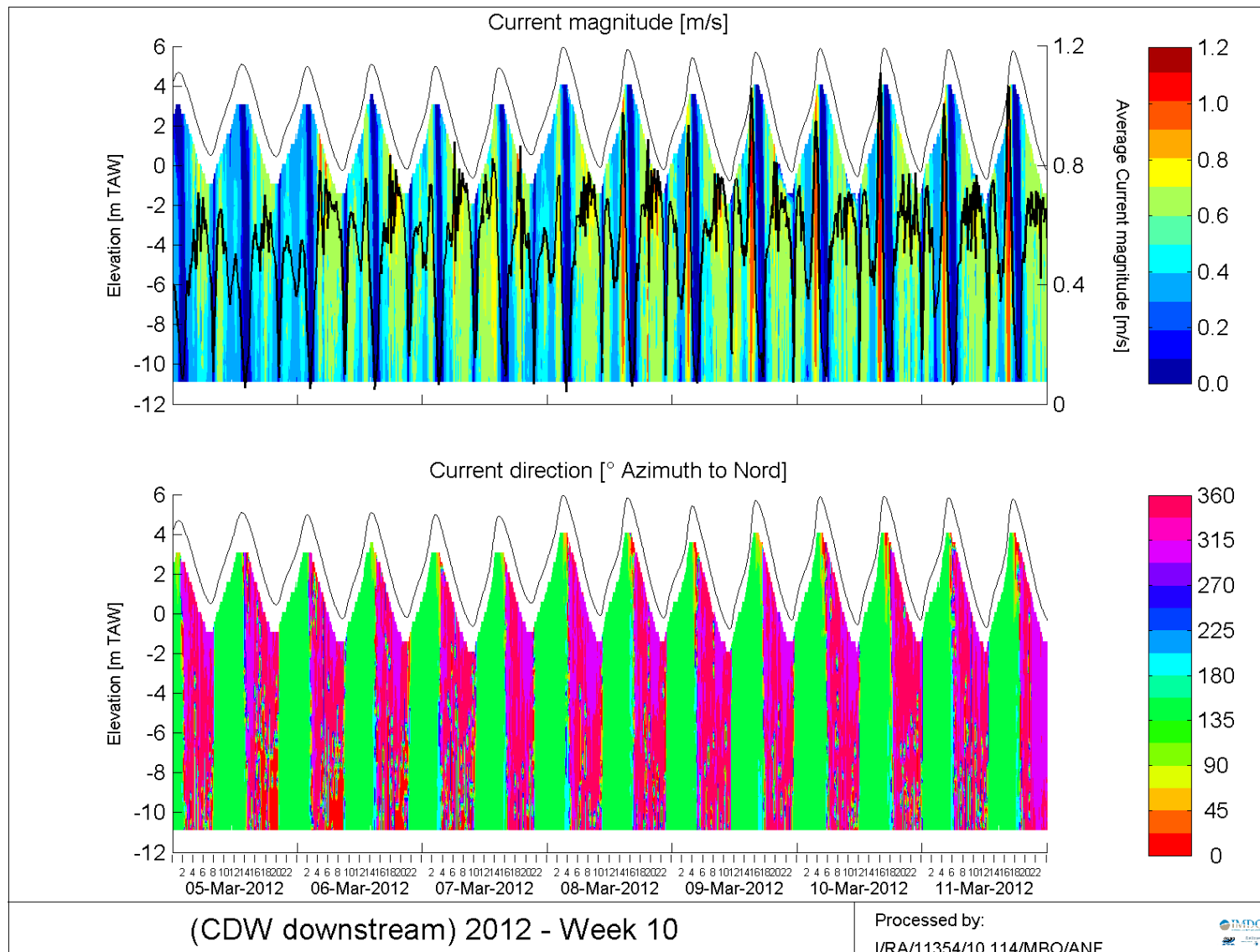


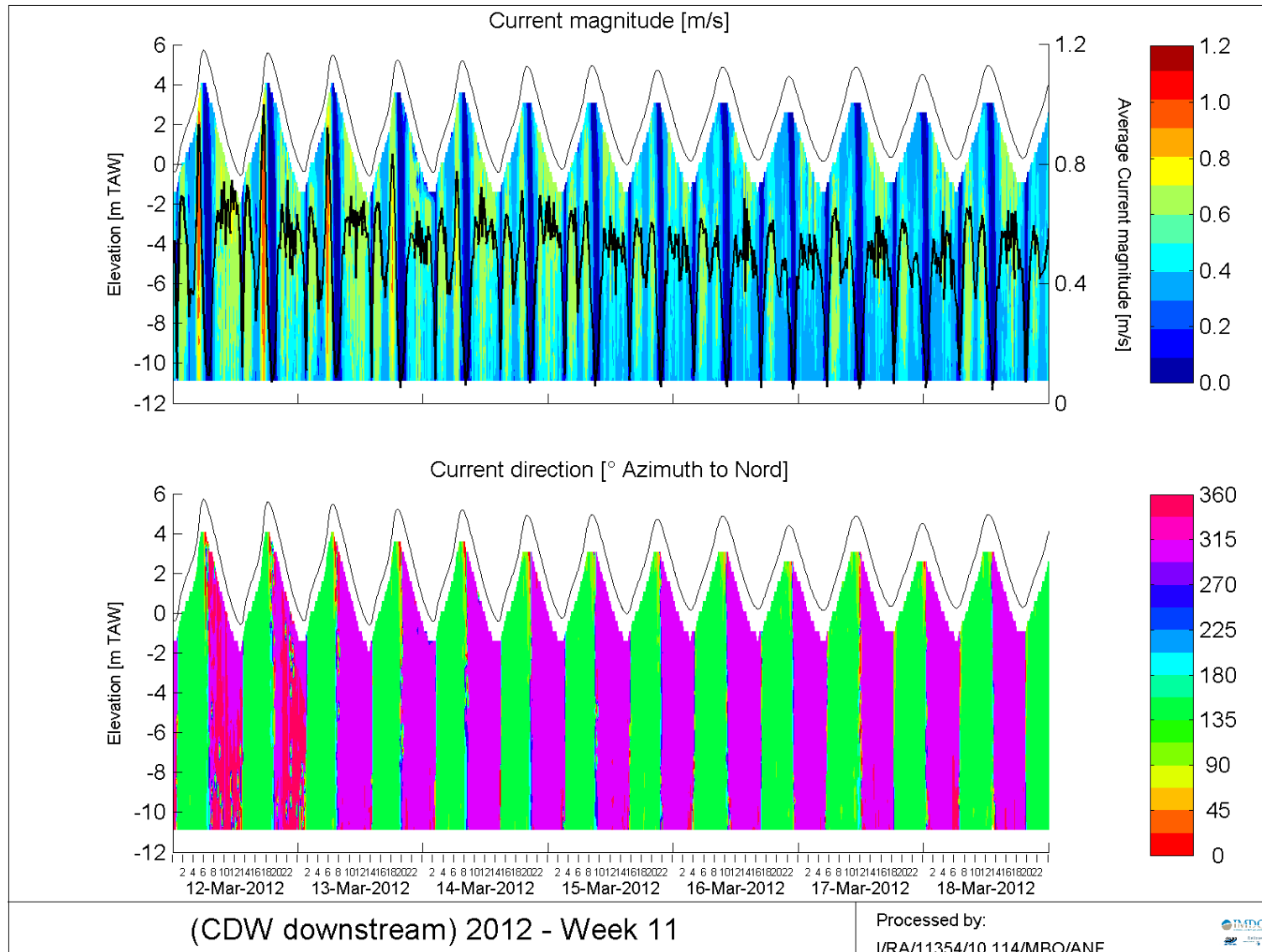


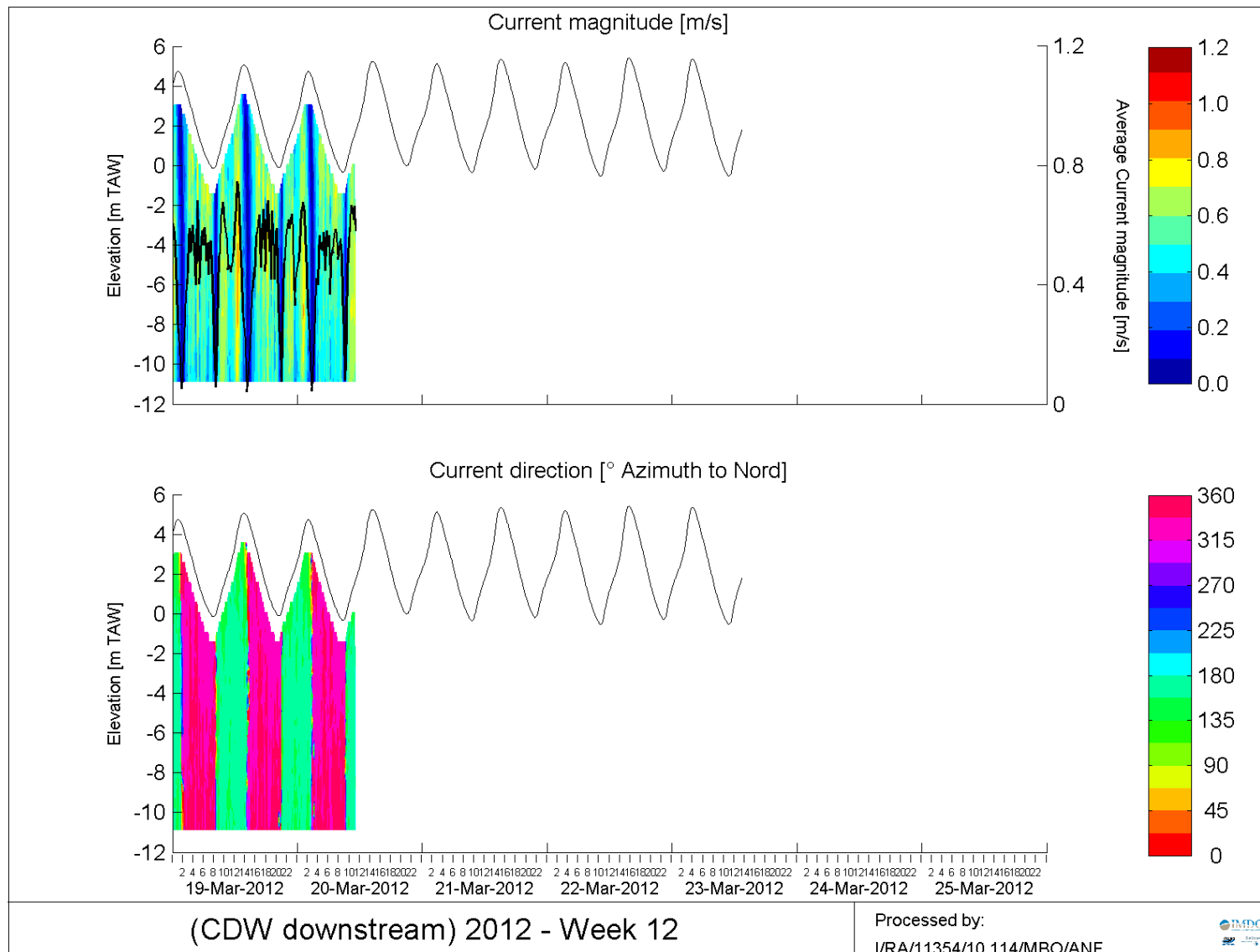
B.2.2 Current direction and current magnitude plots

CDW downstream

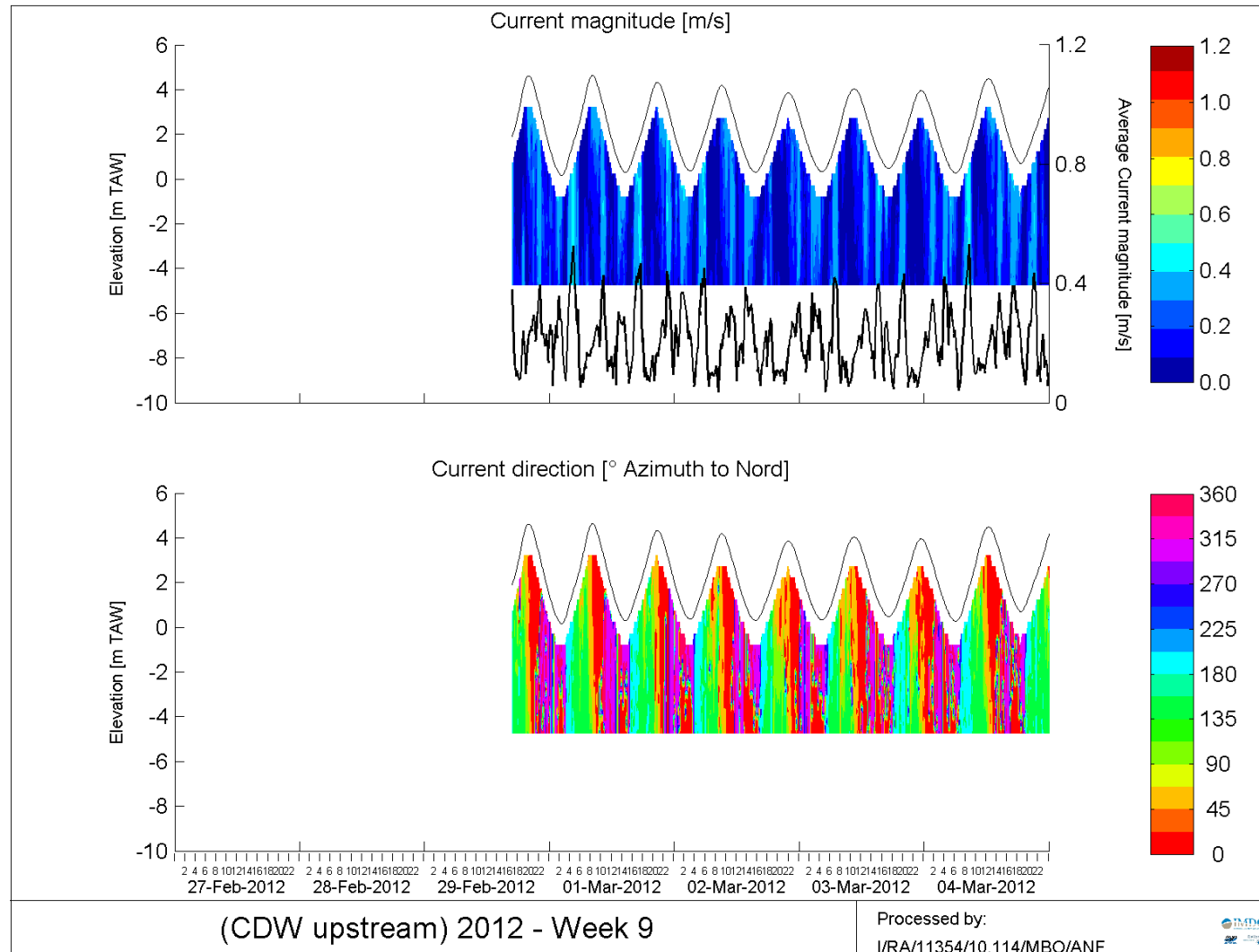


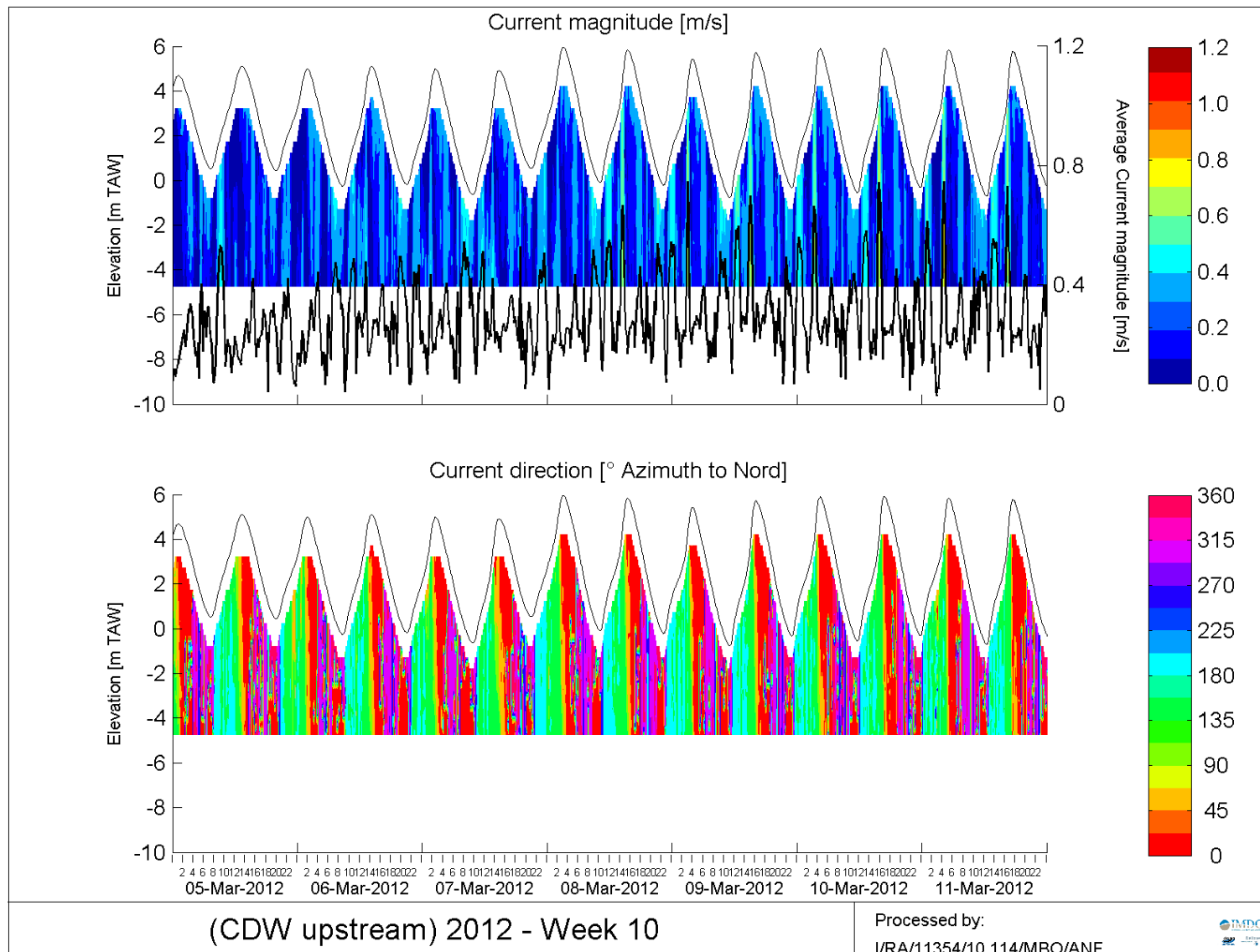


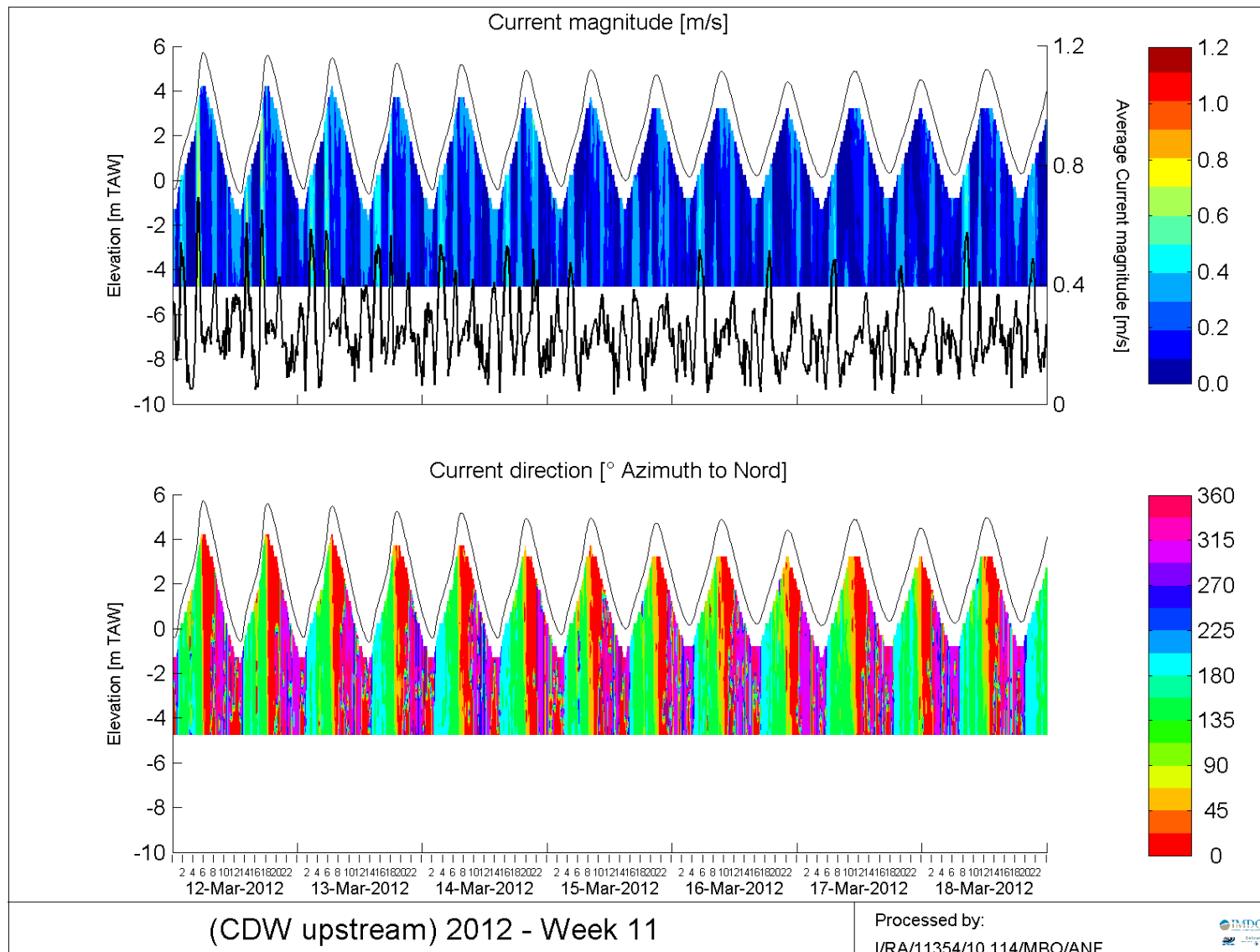


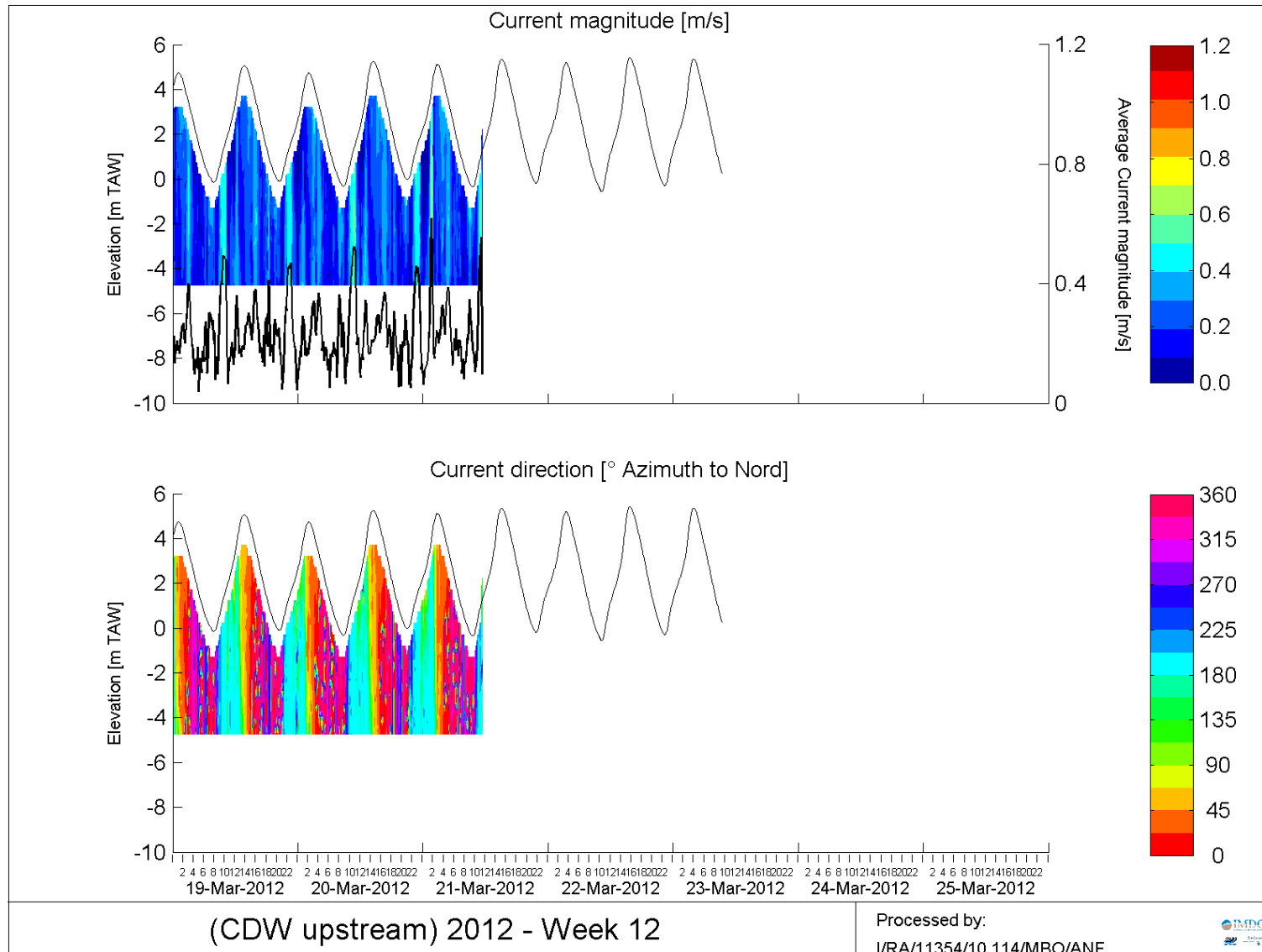


CDW upstream

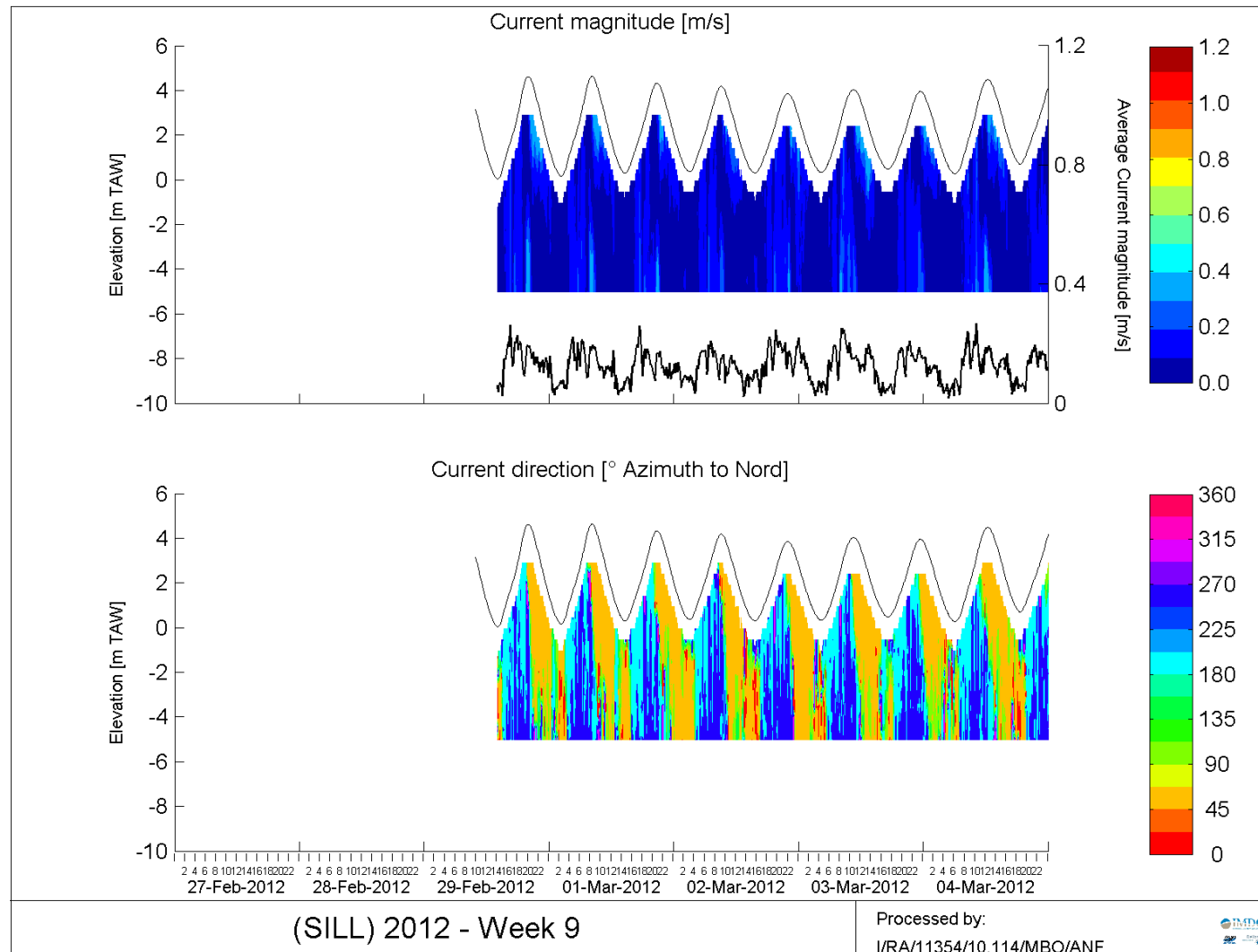


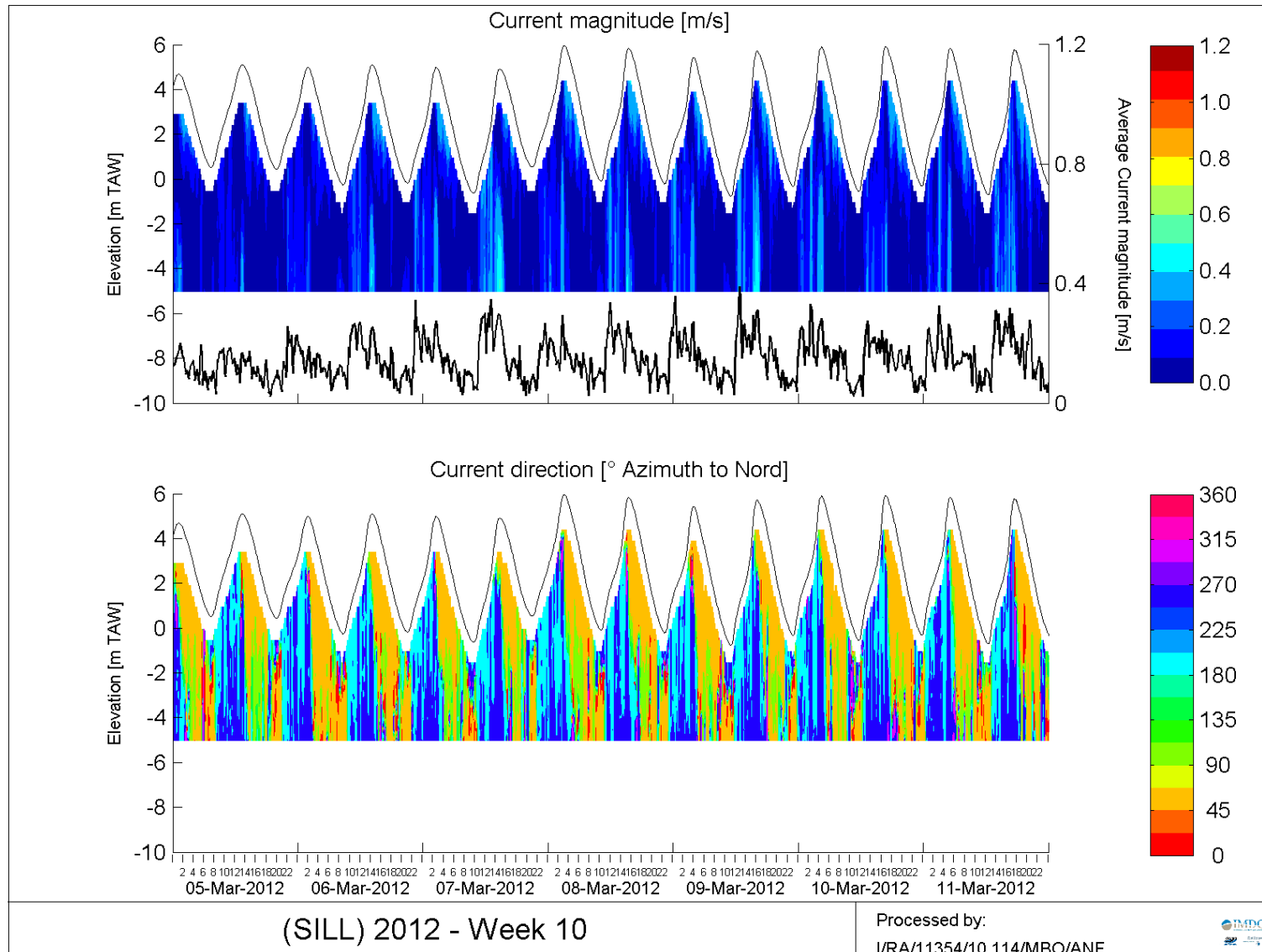


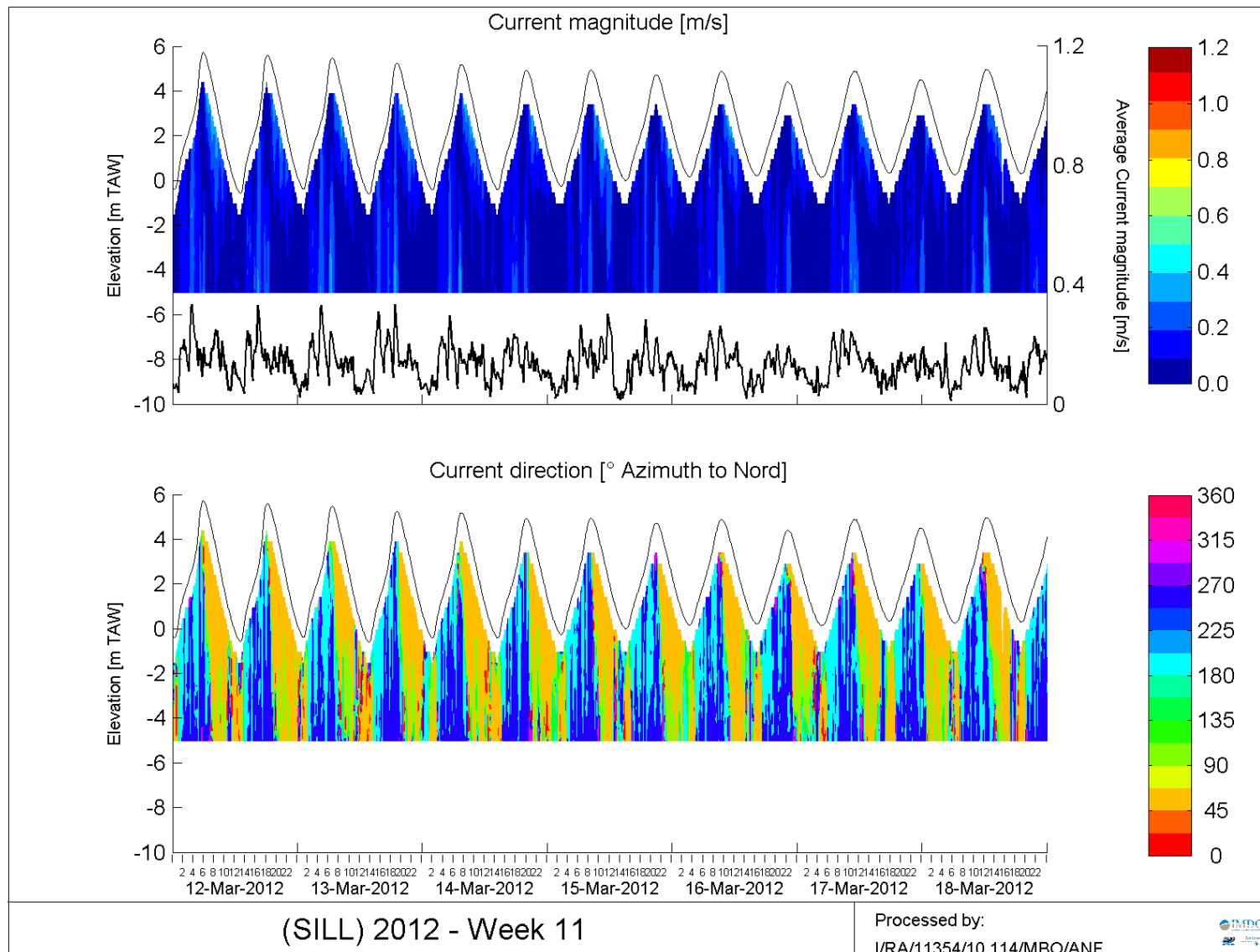


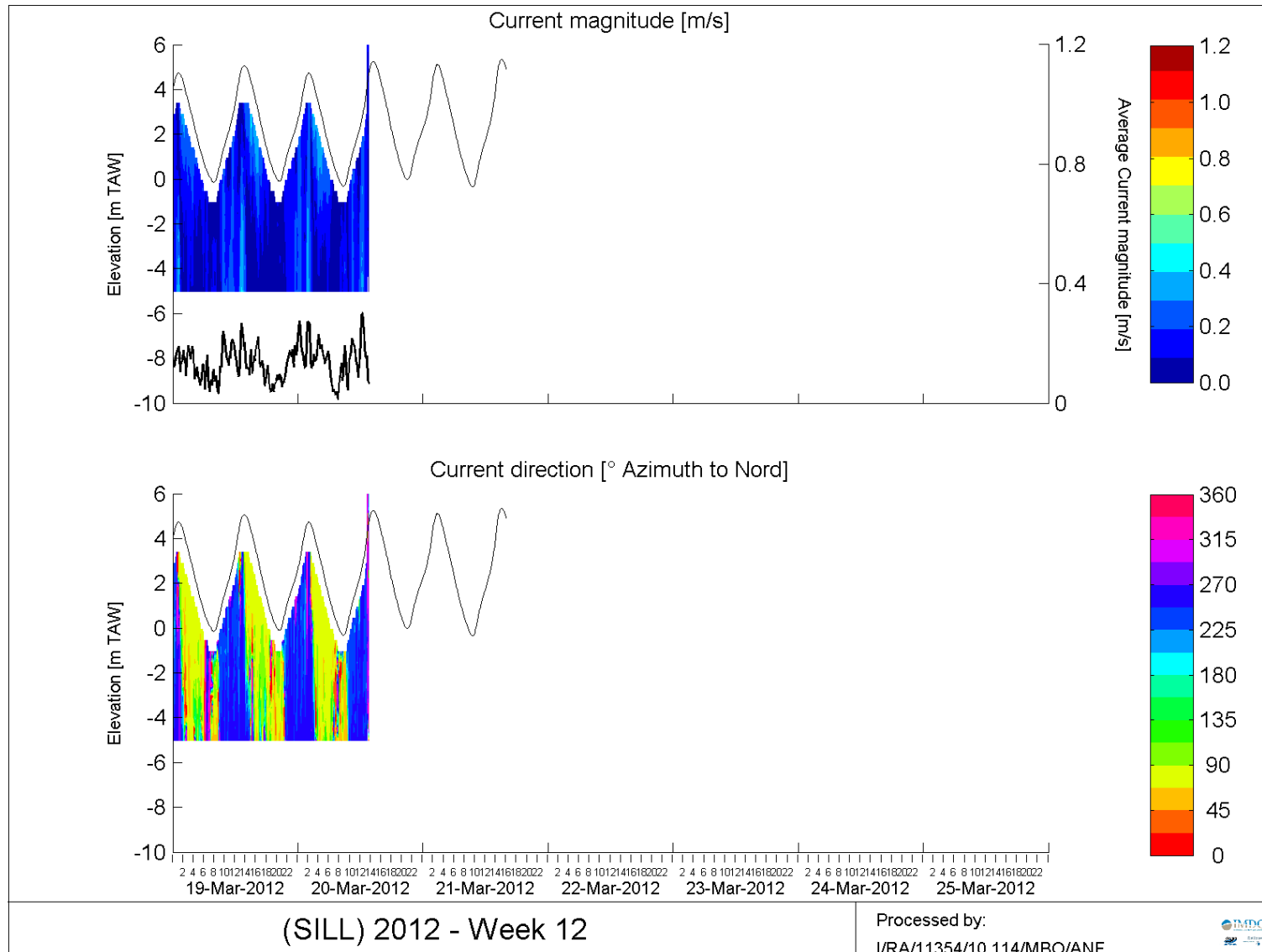


SILL









B.3 Tables

B.3.1 CDW downstream

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Depth averaged from 0.8m above bottom till water level			Depth averaged from 0.8m above bottom till -7.6mTAW			Depth averaged from -7.6mTAW till water level		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
20120229	LW to HW	4.59	0.89	5:49	0.46	178	162	0.44	175	195	0.46	178	162
20120301	HW to LW	4.44	0.86	6:30	0.40	349	130	0.36	360	143	0.42	346	130
20120301	LW to HW	4.45	0.87	5:49	0.44	175	157	0.44	177	189	0.44	174	157
20120301	HW to LW	4.32	0.84	6:19	0.41	348	122	0.36	2	128	0.43	345	122
20120301	LW to HW	4.03	0.78	6:10	0.40	174	142	0.41	177	176	0.39	174	142
20120302	HW to LW	3.96	0.77	6:10	0.43	350	117	0.38	1	125	0.46	348	117
20120302	LW to HW	3.84	0.75	6:10	0.39	174	123	0.41	178	153	0.38	174	123
20120302	HW to LW	3.90	0.76	6:40	0.41	349	105	0.36	1	107	0.43	347	105
20120302	LW to HW	3.56	0.69	6:10	0.37	175	120	0.39	180	148	0.36	172	120
20120303	HW to LW	3.53	0.69	6:30	0.39	349	93	0.35	359	96	0.41	346	93
20120303	LW to HW	3.69	0.72	6:10	0.39	173	117	0.41	176	146	0.37	172	117
20120303	HW to LW	3.56	0.69	6:30	0.37	348	92	0.33	2	94	0.39	345	92
20120303	LW to HW	3.49	0.68	6:19	0.36	175	103	0.38	180	134	0.34	171	103
20120304	HW to LW	3.69	0.72	6:40	0.38	354	86	0.35	358	94	0.40	354	86
20120304	LW to HW	4.22	0.82	6:19	0.40	174	116	0.43	179	138	0.39	172	116

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Depth averaged from 0.8m above bottom till water level			Depth averaged from 0.8m above bottom till -7.6mTAW			Depth averaged from -7.6mTAW till water level		
20120304	HW to LW	3.79	0.74	6:10	0.39	349	90	0.35	1	92	0.41	349	90
20120305	LW to HW	4.00	0.78	6:30	0.37	174	99	0.39	177	137	0.37	172	99
20120305	HW to LW	4.18	0.81	6:10	0.43	349	89	0.38	358	95	0.45	348	89
20120305	LW to HW	4.57	0.89	6:00	0.43	176	117	0.43	175	152	0.43	176	117
20120305	HW to LW	4.64	0.90	6:40	0.43	353	94	0.39	5	96	0.45	351	94
20120306	LW to HW	4.53	0.88	6:00	0.42	179	136	0.42	180	164	0.41	178	136
20120306	HW to LW	5.23	1.02	6:40	0.52	354	116	0.46	360	100	0.54	351	116
20120306	LW to HW	5.34	1.04	5:40	0.50	179	138	0.51	179	165	0.50	178	138
20120306	HW to LW	5.27	1.03	6:40	0.51	354	124	0.45	354	126	0.54	354	124
20120307	LW to HW	5.17	1.01	5:40	0.49	178	142	0.49	178	170	0.49	177	142
20120307	HW to LW	5.62	1.09	7:00	0.52	355	133	0.48	355	131	0.55	356	133
20120307	LW to HW	5.54	1.08	5:10	0.57	176	148	0.58	173	179	0.57	177	148
20120307	HW to LW	4.36	0.85	6:00	0.45	346	145	0.40	354	157	0.48	348	145
20120308	LW to HW	5.41	1.05	6:19	0.46	175	144	0.46	176	181	0.46	173	144
20120308	HW to LW	6.03	1.17	7:00	0.51	350	132	0.47	348	134	0.54	352	132
20120308	LW to HW	5.90	1.15	5:19	0.54	175	160	0.54	174	199	0.54	176	160
20120308	HW to LW	6.04	1.17	6:49	0.52	351	138	0.49	350	144	0.54	351	138
20120309	LW to HW	5.64	1.10	5:40	0.50	175	150	0.50	174	194	0.50	175	150
20120309	HW to LW	6.18	1.20	7:10	0.51	353	144	0.48	351	147	0.53	355	144
20120309	LW to HW	6.47	1.26	5:00	0.62	175	170	0.62	174	212	0.61	175	170
20120309	HW to LW	6.04	1.18	6:49	0.50	348	144	0.48	351	150	0.51	349	144

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Depth averaged from 0.8m above bottom till water level			Depth averaged from 0.8m above bottom till -7.6mTAW			Depth averaged from -7.6mTAW till water level		
20120310	LW to HW	6.22	1.21	5:30	0.55	175	172	0.54	174	220	0.55	176	172
20120310	HW to LW	6.46	1.26	7:10	0.49	351	146	0.48	354	143	0.50	352	146
20120310	LW to HW	6.47	1.26	5:10	0.57	176	169	0.57	175	206	0.57	174	169
20120310	HW to LW	6.22	1.21	6:49	0.48	356	146	0.46	352	154	0.50	356	146
20120311	LW to HW	6.15	1.20	5:30	0.52	175	171	0.50	172	216	0.53	176	171
20120311	HW to LW	6.54	1.27	7:19	0.49	350	134	0.47	352	136	0.51	350	134
20120311	LW to HW	6.47	1.26	5:00	0.59	179	164	0.59	178	202	0.59	180	164
20120312	HW to LW	6.16	1.20	6:49	0.49	342	146	0.47	344	155	0.50	345	146
20120312	LW to HW	6.12	1.19	5:40	0.51	170	169	0.50	168	208	0.51	173	169
20120312	HW to LW	6.29	1.22	7:00	0.50	349	147	0.47	348	149	0.52	350	147
20120312	LW to HW	6.16	1.20	5:19	0.54	175	169	0.53	173	200	0.54	175	169
20120313	HW to LW	5.98	1.16	6:49	0.45	346	144	0.43	348	152	0.46	345	144
20120313	LW to HW	5.87	1.14	5:30	0.51	176	166	0.48	172	205	0.52	178	166
20120313	HW to LW	6.08	1.18	7:10	0.48	337	140	0.45	337	139	0.50	336	140
20120313	LW to HW	5.84	1.14	5:19	0.51	162	160	0.50	161	192	0.51	163	160
20120314	HW to LW	5.64	1.10	6:49	0.42	338	140	0.41	334	142	0.43	338	140
20120314	LW to HW	5.58	1.09	5:40	0.47	162	160	0.46	159	200	0.47	163	160
20120314	HW to LW	5.58	1.09	6:49	0.46	332	134	0.43	332	132	0.48	336	134
20120314	LW to HW	5.31	1.03	5:30	0.48	161	149	0.47	160	184	0.48	162	149
20120315	HW to LW	5.16	1.00	6:40	0.47	335	136	0.43	332	134	0.50	338	136
20120315	LW to HW	5.19	1.01	5:49	0.46	163	154	0.45	160	181	0.47	164	154

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [1]	Duration [HH:MM]	Depth averaged from 0.8m above bottom till water level			Depth averaged from 0.8m above bottom till -7.6mTAW			Depth averaged from -7.6mTAW till water level		
20120315	HW to LW	4.97	0.97	6:40	0.42	334	127	0.39	334	136	0.45	334	127
20120315	LW to HW	4.75	0.92	5:49	0.45	161	144	0.44	158	177	0.46	163	144
20120316	HW to LW	4.57	0.89	6:19	0.41	333	125	0.37	337	128	0.43	331	125
20120316	LW to HW	4.73	0.92	6:10	0.44	162	135	0.43	158	162	0.44	163	135
20120316	HW to LW	4.67	0.91	6:49	0.40	334	116	0.36	338	114	0.43	333	116
20120316	LW to HW	4.20	0.82	6:00	0.40	159	132	0.40	162	169	0.41	159	132
20120317	HW to LW	4.27	0.83	6:19	0.40	331	110	0.36	340	107	0.42	328	110
20120317	LW to HW	4.74	0.92	6:30	0.43	159	145	0.42	158	180	0.43	157	145
20120317	HW to LW	4.54	0.88	6:30	0.41	339	111	0.36	338	118	0.44	337	111
20120317	LW to HW	4.16	0.81	6:10	0.42	159	129	0.43	163	165	0.42	158	129
20120318	HW to LW	4.26	0.83	6:40	0.39	334	105	0.35	340	108	0.42	332	105
20120318	LW to HW	4.72	0.92	6:10	0.45	160	143	0.45	161	182	0.45	160	143
20120318	HW to LW	4.66	0.91	6:30	0.42	332	110	0.38	342	107	0.45	330	110
20120319	LW to HW	4.44	0.86	6:00	0.43	161	155	0.43	162	199	0.43	160	155
20120319	HW to LW	4.88	0.95	6:40	0.42	334	112	0.38	343	111	0.45	330	112
20120319	LW to HW	5.21	1.01	6:00	0.47	159	175	0.47	162	213	0.47	159	175
20120319	HW to LW	5.17	1.01	6:40	0.44	335	130	0.40	335	127	0.45	336	130
20120320	LW to HW	4.84	0.94	5:40	0.47	160	167	0.46	158	209	0.47	161	167
20120320	HW to LW	5.06	0.98	6:40	0.42	336	120	0.38	339	122	0.45	335	120

Overview

Tidal Type	Phase	Tidal amplitude [m]	Tidal coefficient [I]	Duration [HH:MM]	Depth averaged from 0.8m above bottom till water level			Depth averaged from 0.8m above bottom till -7.6mTAW			Depth averaged from -7.6mTAW till water level		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
Neap	HW to LW	4.23	0.82	6:27	0.41	344	109	0.36	352	112	0.43	342	108
	LW to HW	4.29	0.83	6:06	0.42	169	145	0.42	170	167	0.41	168	134
Average	HW to LW	5.14	1.00	6:40	0.46	341	124	0.42	342	124	0.49	341	125
	LW to HW	5.24	1.02	5:43	0.48	168	162	0.48	168	183	0.48	168	151
Spring	HW to LW	6.06	1.18	6:58	0.49	347	140	0.46	347	143	0.51	348	141
	LW to HW	5.99	1.16	5:26	0.53	173	175	0.53	172	201	0.53	174	162

Neap tide: tidal coefficient < 0.95; Average tide: 0.95 <= tidal coefficient <= 1.05; Spring tide > 1.05

B.3.2 CDW upstream

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [I]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25-1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above -7.6mTAW) (ADCP)		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Salinity [psu]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
20120229	HW to LW	4.89	0.95	6:40	0.16	19	164	6.5	158	-	-	-
20120229	LW to HW	4.75	0.92	5:40	0.24	165	163	5.9	171	-	-	-
20120229	HW to LW	4.81	0.94	6:40	0.17	14	166	6.5	155	-	-	-
20120229	LW to HW	4.58	0.89	5:40	0.25	171	158	5.9	160	-	-	-
20120301	HW to LW	4.46	0.87	6:30	0.16	22	155	6.5	149	0.24	2	99
20120301	LW to HW	4.47	0.87	5:49	0.23	165	158	5.9	188	0.21	172	98
20120301	HW to LW	4.32	0.84	6:19	0.15	24	144	6.6	129	0.22	359	91
20120301	LW to HW	4.03	0.78	6:10	0.21	159	134	5.9	133	0.18	175	75
20120302	HW to LW	3.96	0.77	6:10	0.16	26	164	6.4	142	0.25	3	90
20120302	LW to HW	3.84	0.75	6:10	0.18	157	114	5.9	111	0.16	157	70
20120302	HW to LW	3.90	0.76	6:40	0.16	29	100	6.3	88	0.24	5	67
20120302	LW to HW	3.56	0.69	6:10	0.19	163	123	5.8	118	0.12	138	84
20120303	HW to LW	3.53	0.69	6:30	0.15	22	116	6.2	109	0.23	1	69
20120303	LW to HW	3.69	0.72	6:10	0.19	161	113	5.9	103	0.15	141	73

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120303	HW to LW	3.56	0.69	6:30	0.16	31	95	6.3	80	0.23	7	68
20120303	LW to HW	3.49	0.68	6:19	0.16	160	103	5.9	94	0.14	160	77
20120304	HW to LW	3.69	0.72	6:40	0.16	32	87	6.3	74	0.24	5	62
20120304	LW to HW	4.22	0.82	6:19	0.22	166	112	5.9	111	0.18	175	64
20120304	HW to LW	3.79	0.74	6:10	0.16	27	84	6.6	73	0.25	6	63
20120305	LW to HW	4.00	0.78	6:30	0.18	160	94	6.2	89	0.17	180	62
20120305	HW to LW	4.18	0.81	6:10	0.15	23	80	6.8	75	0.24	1	60
20120305	LW to HW	4.57	0.89	6:00	0.21	181	110	6.2	104	0.22	191	72
20120305	HW to LW	4.64	0.90	6:40	0.16	25	99	6.8	86	0.24	6	82
20120306	LW to HW	4.53	0.88	6:00	0.21	168	124	6.0	131	0.19	170	87
20120306	HW to LW	5.23	1.02	6:40	0.18	23	106	6.1	100	0.29	3	101
20120306	LW to HW	5.34	1.04	5:40	0.28	164	135	5.2	152	0.26	185	77
20120306	HW to LW	5.27	1.03	6:40	0.22	30	127	5.8	127	0.30	2	88
20120307	LW to HW	5.17	1.01	5:40	0.25	170	154	5.0	146	0.23	184	80
20120307	HW to LW	5.62	1.09	7:00	0.21	28	127	5.1	120	0.31	6	108
20120307	LW to HW	5.54	1.08	5:10	0.29	168	175	4.0	195	0.26	183	92
20120307	HW to LW	4.36	0.85	6:00	0.21	44	163	5.3	167	0.26	1	102
20120308	LW to HW	5.41	1.05	6:19	0.26	168	143	4.7	159	0.25	191	88

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120308	HW to LW	6.03	1.17	7:00	0.20	21	169	5.2	162	0.29	360	105
20120308	LW to HW	5.90	1.15	5:19	0.29	177	170	4.1	189	0.32	196	101
20120308	HW to LW	6.04	1.17	6:49	0.21	22	169	4.9	172	0.30	1	107
20120309	LW to HW	5.64	1.10	5:40	0.28	180	167	3.9	178	0.30	195	88
20120309	HW to LW	6.18	1.20	7:10	0.20	26	161	4.3	164	0.30	0	114
20120309	LW to HW	6.47	1.26	5:00	0.30	180	207	3.4	231	0.36	195	104
20120309	HW to LW	6.04	1.18	6:49	0.21	23	209	4.4	211	0.29	0	118
20120310	LW to HW	6.22	1.21	5:30	0.31	177	199	3.7	225	0.32	193	111
20120310	HW to LW	6.46	1.26	7:10	0.18	15	194	4.4	200	0.28	0	127
20120310	LW to HW	6.47	1.26	5:10	0.32	176	172	3.5	193	0.34	198	103
20120310	HW to LW	6.22	1.21	6:49	0.18	29	189	4.4	209	0.26	3	130
20120311	LW to HW	6.15	1.20	5:30	0.26	162	187	3.7	200	0.28	184	107
20120311	HW to LW	6.54	1.27	7:19	0.18	19	172	4.3	179	0.29	0	131
20120311	LW to HW	6.47	1.26	5:00	0.29	176	177	3.5	192	0.36	198	102
20120312	HW to LW	6.17	1.20	6:49	0.17	27	193	4.4	204	0.25	4	133
20120312	LW to HW	6.12	1.19	5:40	0.28	167	161	3.7	173	0.26	182	106
20120312	HW to LW	6.29	1.22	7:00	0.18	20	181	4.4	183	0.26	359	128
20120312	LW to HW	6.16	1.20	5:19	0.28	165	163	3.7	179	0.27	181	111

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120313	HW to LW	5.98	1.16	6:49	0.15	6	174	4.5	174	0.23	353	118
20120313	LW to HW	5.87	1.14	5:30	0.30	164	145	3.9	168	0.28	185	92
20120313	HW to LW	6.08	1.18	7:10	0.15	16	162	4.5	170	0.26	1	113
20120313	LW to HW	5.84	1.14	5:19	0.25	169	145	3.7	150	0.29	192	88
20120314	HW to LW	5.64	1.10	6:49	0.14	24	138	4.5	136	0.24	359	102
20120314	LW to HW	5.58	1.09	5:40	0.25	176	146	3.9	147	0.27	193	89
20120314	HW to LW	5.58	1.09	6:49	0.15	16	143	4.5	135	0.24	357	102
20120314	LW to HW	5.31	1.03	5:30	0.25	167	125	3.9	130	0.26	188	80
20120315	HW to LW	5.16	1.00	6:40	0.16	27	162	4.5	172	0.24	8	97
20120315	LW to HW	5.19	1.01	5:49	0.24	159	123	4.0	130	0.21	171	82
20120315	HW to LW	4.97	0.97	6:40	0.17	35	137	4.7	125	0.22	4	96
20120315	LW to HW	4.75	0.92	5:49	0.23	158	114	4.1	118	0.19	175	76
20120316	HW to LW	4.57	0.89	6:19	0.16	26	160	4.7	159	0.23	360	97
20120316	LW to HW	4.73	0.92	6:10	0.23	164	114	4.3	116	0.21	177	70
20120316	HW to LW	4.67	0.91	6:49	0.15	29	112	4.8	100	0.22	358	81
20120316	LW to HW	4.20	0.82	6:00	0.20	163	115	4.2	117	0.19	177	76
20120317	HW to LW	4.27	0.83	6:19	0.13	16	99	4.7	92	0.21	354	86
20120317	LW to HW	4.74	0.92	6:30	0.24	154	132	4.3	145	0.19	170	84

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120317	HW to LW	4.54	0.88	6:30	0.16	35	110	5.0	106	0.22	3	88
20120317	LW to HW	4.16	0.81	6:10	0.21	163	140	4.4	151	0.20	192	75
20120318	HW to LW	4.26	0.83	6:40	0.13	32	136	4.9	133	0.21	351	98
20120318	LW to HW	4.72	0.92	6:10	0.24	166	150	4.6	173	0.23	183	80
20120318	HW to LW	4.66	0.91	6:30	0.16	37	114	5.2	108	0.23	0	80
20120319	LW to HW	4.44	0.86	6:00	0.19	176	182	4.5	211	0.22	199	99
20120319	HW to LW	4.88	0.95	6:40	0.14	22	145	5.1	142	0.20	351	103
20120319	LW to HW	5.21	1.01	6:00	0.24	171	233	4.5	275	0.23	182	112
20120319	HW to LW	5.17	1.01	6:40	0.18	26	214	5.1	220	0.24	355	111
20120320	LW to HW	4.84	0.94	5:40	0.21	151	220	4.5	243	0.21	183	104
20120320	HW to LW	5.06	0.98	6:40	0.15	34	173	5.1	176	0.22	359	110
20120320	LW to HW	5.56	1.08	5:40	0.26	170	207	4.6	245	0.24	183	102

Overview

Tidal Type	Phase	Tidal ampli-tude [m]	Tidal coeffi-cient [I]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25-1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Salinity [psu]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
Neap	HW to LW	4.27	0.83	6:29	0.16	27	123	5.8	114	0.23	1	83
	LW to HW	4.32	0.84	6:03	0.21	164	134	5.3	139	0.19	173	79
Average	HW to LW	5.13	1.00	6:40	0.17	28	161	5.4	161	0.25	1	102
	LW to HW	5.23	1.02	5:41	0.25	166	167	4.5	186	0.24	182	91
Spring	HW to LW	6.02	1.17	6:59	0.18	21	173	4.6	176	0.27	0	117
	LW to HW	5.96	1.16	5:25	0.28	172	171	3.9	188	0.29	190	99

Neap tide: tidal coefficient < 0.95; Average tide: 0.95 <= tidal coefficient <= 1.05; Spring tide > 1.05

B.3.3 SILL

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [I]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Salinity [psu]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
20120301	HW to LW	4.46	0.87	6:30	0.11	303	-	6.8	-	-	-	-
20120301	LW to HW	4.47	0.87	5:49	0.16	272	-	6.4	126	0.13	244	104
20120301	HW to LW	4.32	0.84	6:19	0.10	301	-	6.9	61	0.09	93	56
20120301	LW to HW	4.03	0.78	6:10	0.16	276	-	6.4	90	0.12	241	87
20120302	HW to LW	3.96	0.77	6:10	0.11	336	-	6.8	82	0.09	82	49
20120302	LW to HW	3.84	0.75	6:10	0.16	274	-	6.4	85	0.13	242	87
20120302	HW to LW	3.90	0.76	6:40	0.09	326	-	6.7	46	0.09	72	41
20120302	LW to HW	3.56	0.69	6:10	0.17	272	-	6.3	110	0.14	251	92
20120303	HW to LW	3.53	0.69	6:30	0.09	9	-	6.6	60	0.10	68	46
20120303	LW to HW	3.69	0.72	6:10	0.17	270	-	6.3	85	0.14	249	92
20120303	HW to LW	3.56	0.69	6:30	0.09	345	-	6.7	42	0.09	93	34
20120303	LW to HW	3.49	0.68	6:19	0.17	278	-	6.3	69	0.12	243	82
20120304	HW to LW	3.69	0.72	6:40	0.09	338	-	6.7	32	0.07	82	29
20120304	LW to HW	4.22	0.82	6:19	0.19	270	-	6.4	82	0.13	240	77

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120304	HW to LW	3.79	0.74	6:10	0.12	337	-	7.0	42	0.09	79	41
20120305	LW to HW	4.00	0.78	6:30	0.18	274	-	6.7	71	0.12	251	85
20120305	HW to LW	4.18	0.81	6:10	0.12	321	-	7.1	74	0.09	79	42
20120305	LW to HW	4.57	0.89	6:00	0.16	274	-	6.7	93	0.12	244	85
20120305	HW to LW	4.64	0.90	6:40	0.09	305	-	7.1	39	0.08	91	42
20120306	LW to HW	4.53	0.88	6:00	0.17	271	-	6.4	114	0.14	244	103
20120306	HW to LW	5.23	1.02	6:40	0.11	341	-	6.7	66	0.10	71	63
20120306	LW to HW	5.34	1.04	5:40	0.20	260	-	5.5	126	0.17	245	103
20120306	HW to LW	5.27	1.03	6:40	0.15	357	-	6.4	56	0.09	80	53
20120307	LW to HW	5.17	1.01	5:40	0.20	269	-	5.3	149	0.17	246	128
20120307	HW to LW	5.62	1.09	7:00	0.15	339	-	6.1	67	0.09	84	65
20120307	LW to HW	5.54	1.08	5:10	0.25	262	-	4.6	217	0.21	249	138
20120307	HW to LW	4.36	0.85	6:00	0.17	333	-	5.7	81	0.09	103	63
20120308	LW to HW	5.41	1.05	6:19	0.19	268	-	5.2	133	0.15	244	103
20120308	HW to LW	6.03	1.17	7:00	0.14	333	-	6.0	89	0.09	85	69
20120308	LW to HW	5.90	1.15	5:19	0.23	265	-	4.7	172	0.18	247	136
20120308	HW to LW	6.04	1.17	6:49	0.16	347	-	5.6	85	0.09	82	65
20120309	LW to HW	5.64	1.10	5:40	0.21	264	-	4.4	182	0.18	245	126

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120309	HW to LW	6.18	1.20	7:10	0.12	336	-	5.0	107	0.09	67	77
20120309	LW to HW	6.47	1.26	5:00	0.24	268	-	3.8	228	0.20	250	159
20120309	HW to LW	6.04	1.18	6:49	0.16	342	-	4.9	111	0.10	84	75
20120310	LW to HW	6.22	1.21	5:30	0.21	267	-	4.2	263	0.17	242	153
20120310	HW to LW	6.46	1.26	7:10	0.13	358	-	4.9	154	0.11	73	76
20120310	LW to HW	6.47	1.26	5:10	0.20	275	-	3.9	215	0.17	246	141
20120310	HW to LW	6.22	1.21	6:49	0.14	329	-	4.8	172	0.11	72	82
20120311	LW to HW	6.15	1.20	5:30	0.20	271	-	4.1	262	0.17	245	150
20120311	HW to LW	6.54	1.27	7:19	0.12	333	-	4.8	145	0.10	78	59
20120311	LW to HW	6.47	1.26	5:00	0.22	270	-	4.0	235	0.21	249	144
20120312	HW to LW	6.17	1.20	6:49	0.14	340	-	4.7	-	0.11	78	73
20120312	LW to HW	6.12	1.19	5:40	0.21	274	-	4.1	-	0.16	247	136
20120312	HW to LW	6.29	1.22	7:00	0.11	342	-	4.7	-	0.12	77	75
20120312	LW to HW	6.16	1.20	5:19	0.21	274	-	4.0	-	0.16	242	142
20120313	HW to LW	5.98	1.16	6:49	0.11	342	-	4.7	-	0.11	77	55
20120313	LW to HW	5.87	1.14	5:30	0.21	267	-	4.2	-	0.16	246	135
20120313	HW to LW	6.08	1.18	7:10	0.11	331	-	4.8	-	0.09	73	56
20120313	LW to HW	5.84	1.14	5:19	0.20	272	-	4.1	-	0.18	246	133

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120314	HW to LW	5.64	1.10	6:49	0.10	316	-	4.7	-	0.10	92	60
20120314	LW to HW	5.58	1.09	5:40	0.20	271	-	4.2	-	0.15	251	115
20120314	HW to LW	5.58	1.09	6:49	0.11	350	-	4.8	-	0.11	77	56
20120314	LW to HW	5.31	1.03	5:30	0.19	277	-	4.2	-	0.15	247	103
20120315	HW to LW	5.16	1.00	6:40	0.09	285	-	4.6	-	0.09	87	87
20120315	LW to HW	5.19	1.01	5:49	0.19	276	-	4.2	-	0.13	243	96
20120315	HW to LW	4.97	0.97	6:40	0.10	334	-	4.8	-	0.12	78	58
20120315	LW to HW	4.75	0.92	5:49	0.16	275	-	4.4	-	0.14	245	89
20120316	HW to LW	4.57	0.89	6:19	0.10	312	-	4.8	-	0.10	100	53
20120316	LW to HW	4.73	0.92	6:10	0.16	270	-	4.6	-	0.14	241	82
20120316	HW to LW	4.67	0.91	6:49	0.11	337	-	5.1	-	0.10	93	59
20120316	LW to HW	4.20	0.82	6:00	0.15	277	-	4.5	-	0.12	250	85
20120317	HW to LW	4.27	0.83	6:19	0.10	268	-	4.9	-	0.09	76	55
20120317	LW to HW	4.74	0.92	6:30	0.18	272	-	4.6	-	0.14	245	101
20120317	HW to LW	4.54	0.88	6:30	0.11	302	-	5.2	-	0.09	96	60
20120317	LW to HW	4.16	0.81	6:10	0.14	278	-	4.7	-	0.12	243	90
20120318	HW to LW	4.26	0.83	6:40	0.09	272	-	5.1	-	0.10	81	48
20120318	LW to HW	4.72	0.92	6:10	0.17	269	-	4.8	-	0.13	252	91

End date [yyyymmdd]	Phase	Tidal amplitude [m]	Tidal coefficient [f]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25- 1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above - 7.6mTAW) (ADCP)		
20120318	HW to LW	4.66	0.91	6:30	0.12	346	-	5.5	-	0.08	86	46
20120319	LW to HW	4.44	0.86	6:00	0.18	277	-	5.0	-	0.14	246	131
20120319	HW to LW	4.88	0.95	6:40	0.10	315	-	5.4	-	0.11	69	55
20120319	LW to HW	5.21	1.01	6:00	0.21	284	-	4.9	-	0.14	244	151
20120319	HW to LW	5.17	1.01	6:40	0.11	334	-	5.4	-	0.10	81	64
20120320	LW to HW	4.84	0.94	5:40	0.17	275	-	4.8	-	0.15	246	119
20120320	HW to LW	5.06	0.98	6:40	0.10	327	-	5.3	-	0.12	71	57

Overview

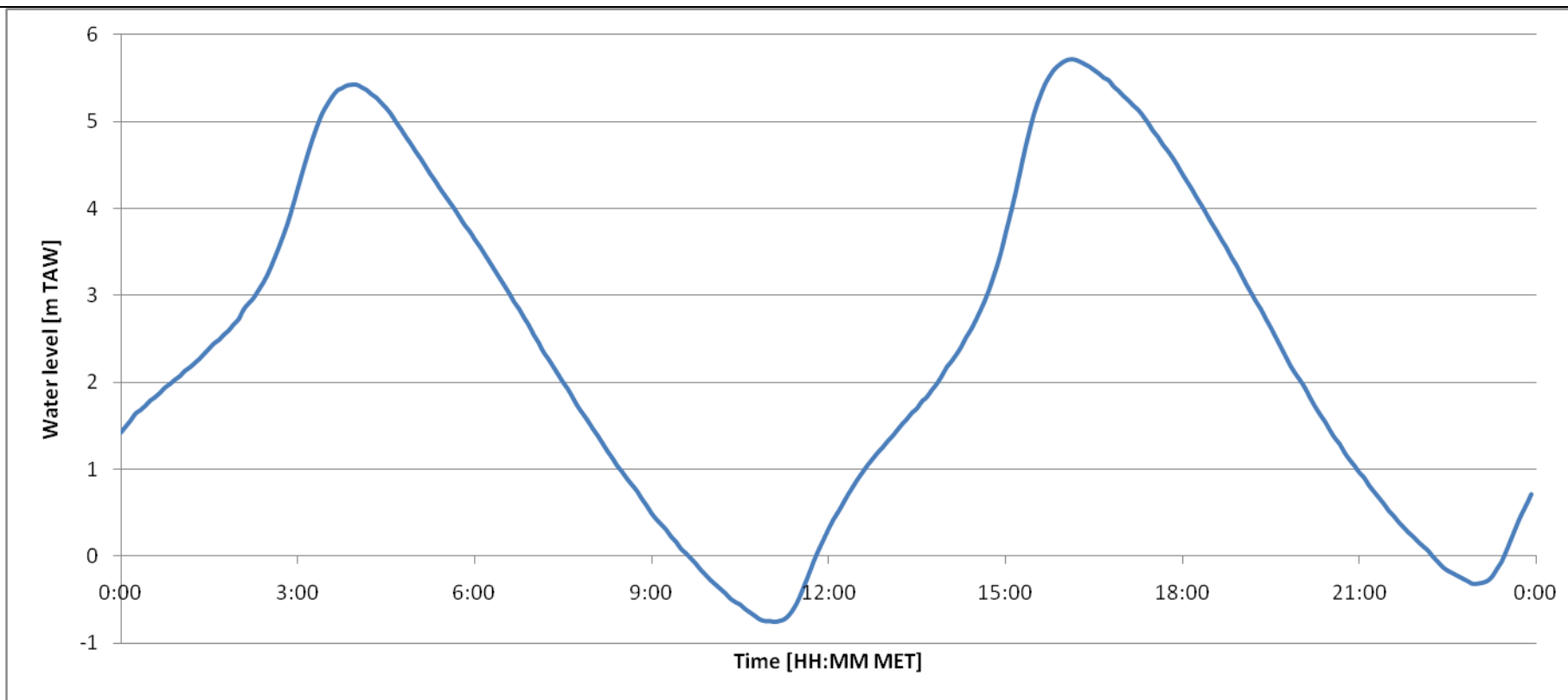
Tidal Type	Phase	Tidal ampli-tude [m]	Tidal coeffi-cient [I]	Duration [HH:MM]	Averaged values at 0.8m above the bottom (RCM-9)				Depth averaged from 0.25-1.25m above bottom (argus)	Depth averaged from 2.8m above bottom till water level (above -7.6mTAW) (ADCP)		
					Velocity [m/s]	Direction [°]	SSC [mg/l]	Salinity [psu]	SSC [mg/l]	Velocity [m/s]	Direction [°]	SSC [mg/l]
Neap	HW to LW	4.23	0.82	6:28	0.11	321	-	6.1	56	0.09	85	48
	LW to HW	4.27	0.83	6:06	0.17	273	-	5.7	93	0.13	245	93
Average	HW to LW	5.14	1.00	6:45	0.11	330	-	5.5	61	0.10	78	64
	LW to HW	5.24	1.02	5:37	0.20	273	-	4.8	138	0.15	245	116
Spring	HW to LW	6.06	1.18	7:00	0.13	338	-	5.0	116	0.10	79	67
	LW to HW	5.98	1.16	5:22	0.21	269	-	4.2	212	0.17	246	137

Neap tide: tidal coefficient < 0.95; Average tide: 0.95 <= tidal coefficient <= 1.05; Spring tide > 1.05

Annex C SiltProfiler Graphs

C.1 Tidal data

11354 – Evaluation external effects sedimentation Deurganckdok



Measured tide at Liefkenshoek (River Scheldt)

Data reported by:



Source:

Hydrologisch
InformatieCentrum

Date:

09/03/2012

In association with:



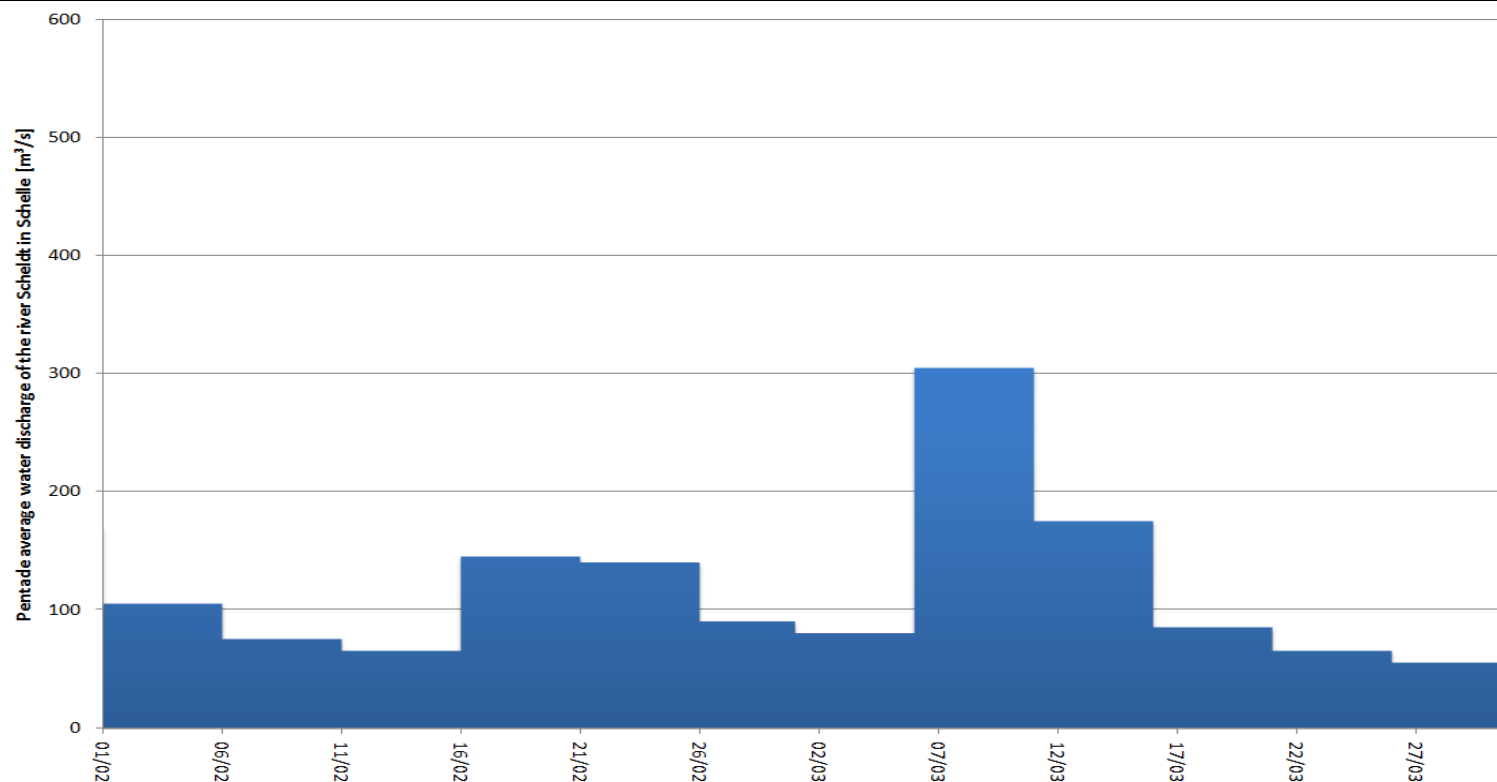
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I/RA/11354/10.114/MBO/ANF

C.2 Fresh water discharge

11354 – Evaluation external effects sedimentation Deurganckdok



Calculated fresh water discharge at Schelle (River Scheldt)

Source:
Hydrologisch
InformatieCentrum

Date:
09/03/2012

Data reported by:



In association with:



&



I/RA/11354/10.114/MBO/ANF

C.3 Location Xa

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

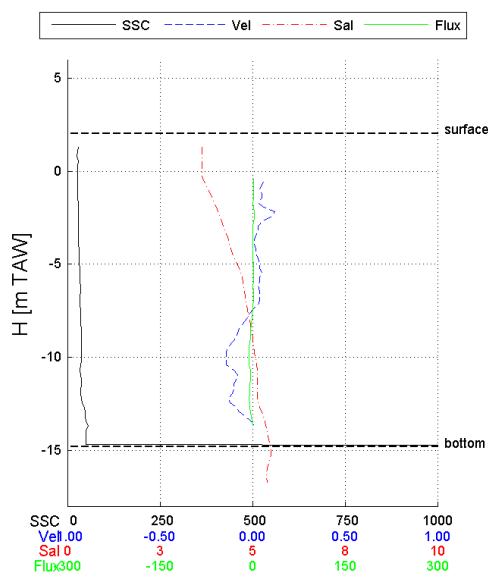
Siltprofiler, ADCP

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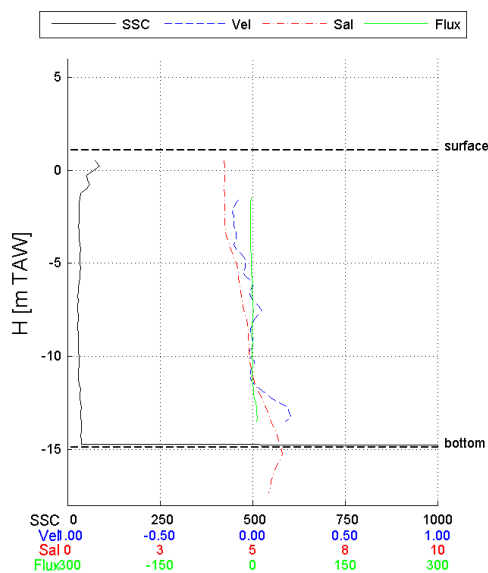
Location:

Deurganckdok Xa



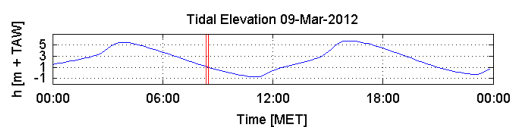
Easting [m UTM31-WGS84] 588458
Northing [m UTM31-WGS84] 5684126
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 073032
Water level [m TAW] 2.02
Water-bottom interface [m TAW] -14.82

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	26.91	-	3.63	-
-1.50	28.60	0.04	3.94	1.28
-3.00	29.50	0.03	4.22	0.93
-4.50	32.45	0.02	4.48	0.82
-6.00	34.16	0.04	4.75	1.26
-7.50	36.35	-0.01	4.87	-0.11
-9.00	38.01	-0.10	5.00	-3.58
-10.50	35.52	-0.13	5.12	-4.49
-12.00	37.23	-0.12	5.14	-4.37
-13.50	52.19	-0.00	5.34	-0.29
-15.00	-	-	5.51	-
-16.50	-	-	5.38	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588450
Northing [m UTM31-WGS84] 5684128
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 082305
Water level [m TAW] 1.09
Water-bottom interface [m TAW] -14.87

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	70.69	-	4.25	-
-1.50	33.91	-0.06	4.25	-2.17
-3.00	30.88	-0.10	4.25	-2.99
-4.50	34.41	-0.06	4.47	-2.11
-6.00	31.29	0.00	4.65	0.06
-7.50	28.54	0.05	4.77	1.50
-9.00	29.92	-0.00	4.89	-0.15
-10.50	31.85	0.01	4.95	0.20
-12.00	34.48	0.07	5.20	2.35
-13.50	37.40	-	5.51	-
-15.00	-	-	5.78	-
-16.50	-	-	5.54	-
-18.00	-	-	-	-



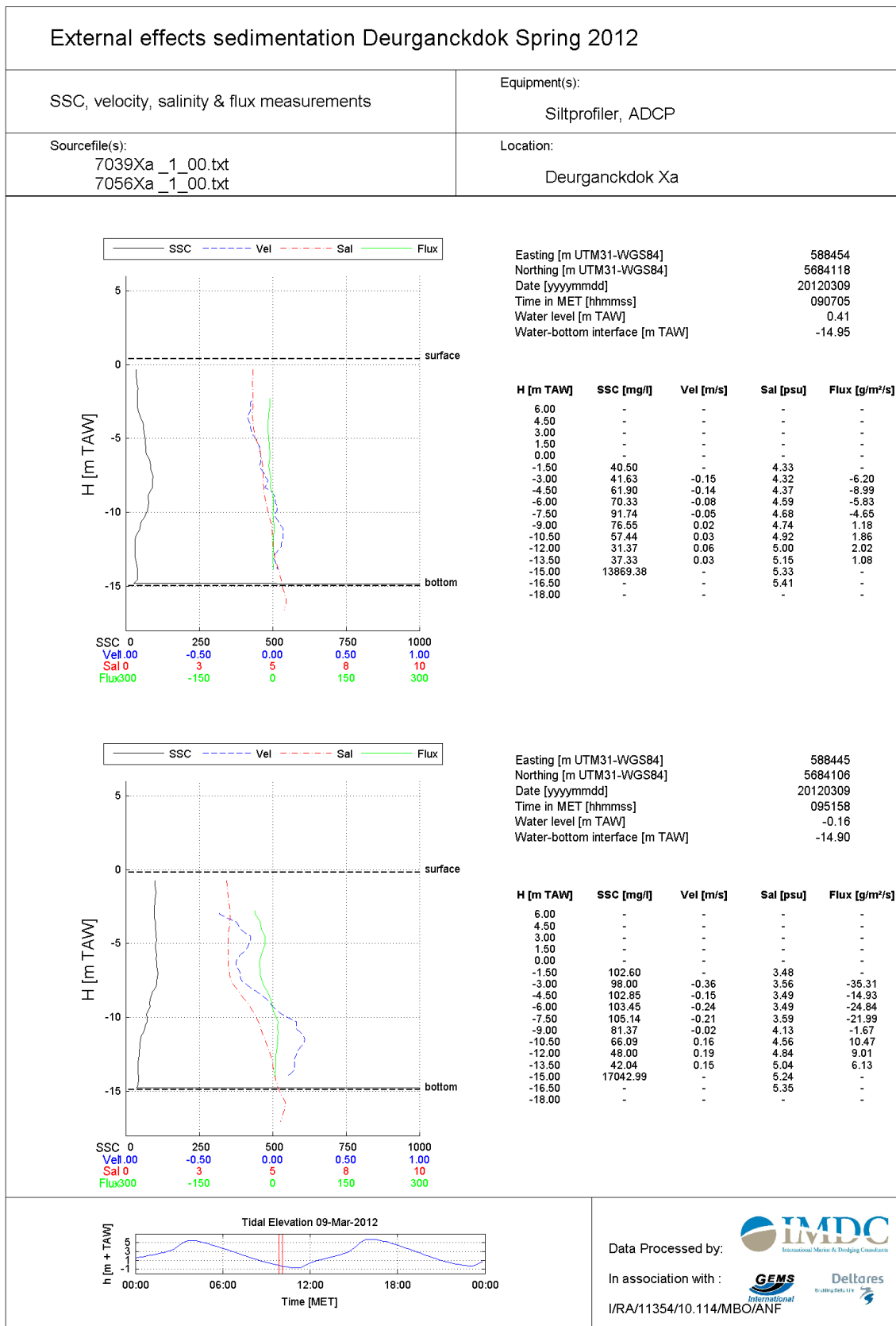
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

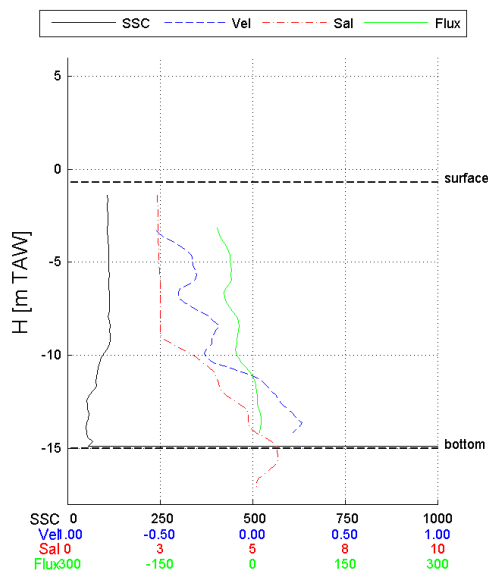
Siltprofiler, ADCP

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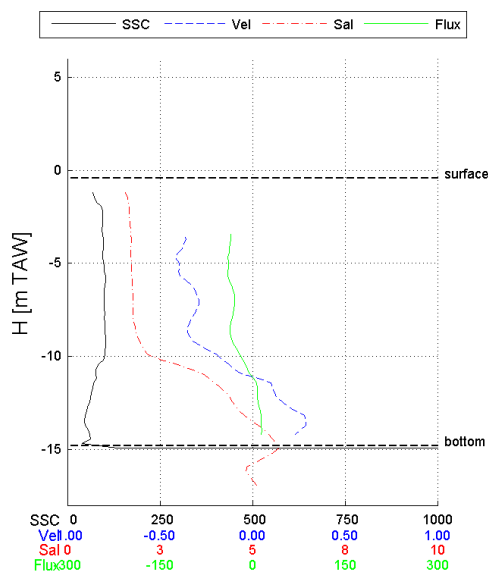
Location:

Deurganckdok Xa



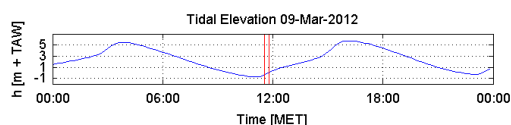
Easting [m UTM31-WGS84] 588445
Northing [m UTM31-WGS84] 5684112
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 104749
Water level [m TAW] -0.70
Water-bottom interface [m TAW] -15.02

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	108.14	-	2.42	-
-3.00	108.90	-	2.45	-
-4.50	111.94	-0.34	2.46	-38.10
-6.00	111.27	-0.32	2.50	-35.37
-7.50	112.86	-0.31	2.51	-35.31
-9.00	115.07	-0.21	2.55	-24.69
-10.50	84.75	-0.18	3.73	-15.11
-12.00	64.60	0.11	4.21	7.30
-13.50	55.17	0.25	4.88	14.03
-15.00	18063.79	-	5.66	-
-16.50	-	-	5.23	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588444
Northing [m UTM31-WGS84] 5684124
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 113202
Water level [m TAW] -0.41
Water-bottom interface [m TAW] -14.81

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	74.21	-	1.63	-
-3.00	94.04	-	1.70	-
-4.50	95.06	-0.41	1.72	-38.40
-6.00	103.13	-0.35	1.75	-36.61
-7.50	99.65	-0.30	1.77	-30.13
-9.00	103.68	-0.33	1.92	-34.75
-10.50	82.13	-0.12	3.05	-10.15
-12.00	64.31	0.12	4.32	7.99
-13.50	47.47	0.29	5.01	13.84
-15.00	15269.72	-	5.69	-
-16.50	-	-	4.95	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

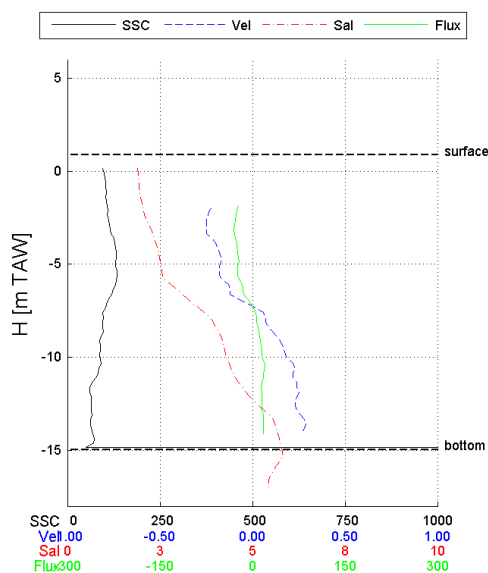
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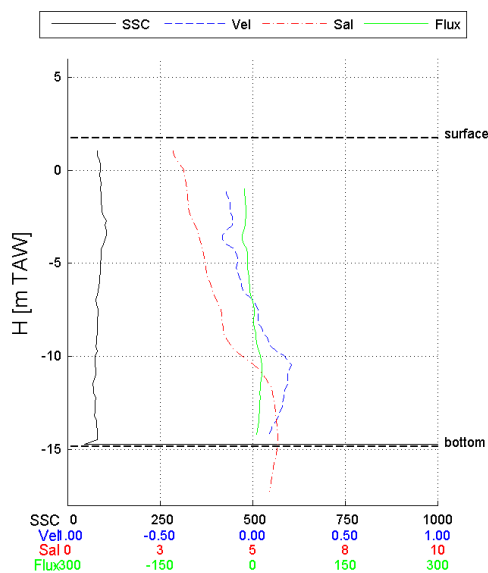
Location:

Deurganckdok Xa



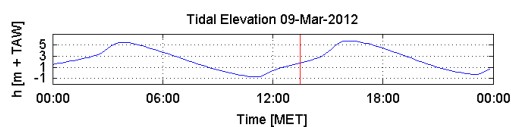
Easting [m UTM31-WGS84] 588444
Northing [m UTM31-WGS84] 5684129
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 122801
Water level [m TAW] 0.87
Water-bottom interface [m TAW] -14.97

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	97.56	-	1.91	-
-1.50	105.05	-	1.99	-
-3.00	115.63	-0.25	2.24	-29.17
-4.50	132.16	-0.17	2.47	-23.22
-6.00	130.27	-0.14	2.74	-18.12
-7.50	98.63	0.05	3.65	4.56
-9.00	88.10	0.14	4.17	12.56
-10.50	87.25	0.23	4.41	19.94
-12.00	62.35	0.24	4.88	15.07
-13.50	62.90	0.29	5.59	17.95
-15.00	28172.89	-	5.80	-
-16.50	-	-	5.46	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588459
Northing [m UTM31-WGS84] 5684132
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 132944
Water level [m TAW] 1.73
Water-bottom interface [m TAW] -14.84

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	88.18	-	3.14	-
-1.50	91.45	-0.13	3.25	-12.10
-3.00	102.26	-0.11	3.47	-11.82
-4.50	91.17	-0.09	3.67	-7.77
-6.00	86.77	-0.06	3.85	-5.50
-7.50	82.06	0.03	4.14	2.57
-9.00	78.54	0.08	4.28	6.26
-10.50	74.89	0.21	5.06	15.69
-12.00	72.81	0.17	5.55	12.39
-13.50	78.45	0.13	5.65	9.98
-15.00	-	-	5.67	-
-16.50	-	-	5.53	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

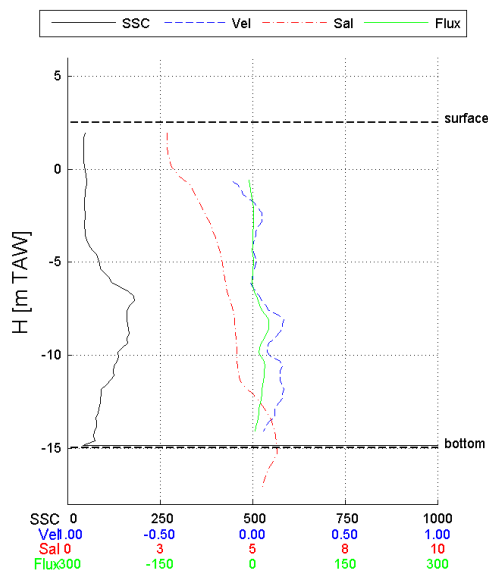
Siltprofiler, ADCP

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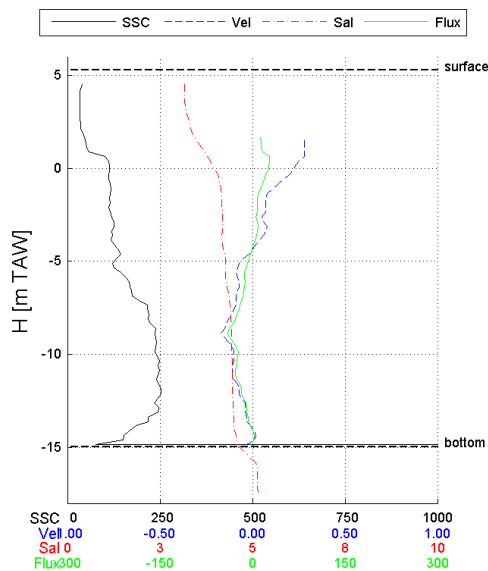
Location:

Deurganckdok Xa



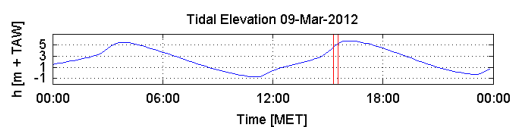
Easting [m UTM31-WGS84] 588446
Northing [m UTM31-WGS84] 5684129
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 141811
Water level [m TAW] 2.51
Water-bottom interface [m TAW] -14.96

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	43.56	-	2.69	-
0.00	47.90	-	2.85	-
-1.50	46.47	-0.03	3.50	-1.29
-3.00	45.61	0.04	3.87	1.80
-4.50	75.35	0.01	4.14	0.79
-6.00	118.27	-0.01	4.26	-0.87
-7.50	163.63	0.08	4.47	13.94
-9.00	161.95	0.13	4.55	20.18
-10.50	129.33	0.16	4.60	19.99
-12.00	91.50	0.16	4.96	15.00
-13.50	78.62	0.10	5.51	8.05
-15.00	29211.23	-	5.67	-
-16.50	-	-	5.34	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588441
Northing [m UTM31-WGS84] 5684134
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 153250
Water level [m TAW] 5.27
Water-bottom interface [m TAW] -14.97

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	39.39	-	3.16	-
3.00	34.47	-	3.21	-
1.50	48.52	0.28	3.49	13.75
0.00	113.49	0.22	3.97	25.50
-1.50	114.88	0.07	4.17	8.31
-3.00	125.44	0.07	4.19	8.95
-4.50	141.69	-0.01	4.24	-2.29
-6.00	163.92	-0.07	4.29	-12.28
-7.50	216.52	-0.10	4.41	-21.66
-9.00	238.23	-0.16	4.44	-37.17
-10.50	246.30	-0.11	4.45	-26.23
-12.00	252.84	-0.07	4.45	-17.53
-13.50	218.02	-0.03	4.49	-6.72
-15.00	18458.49	-	4.67	-
-16.50	-	-	5.14	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

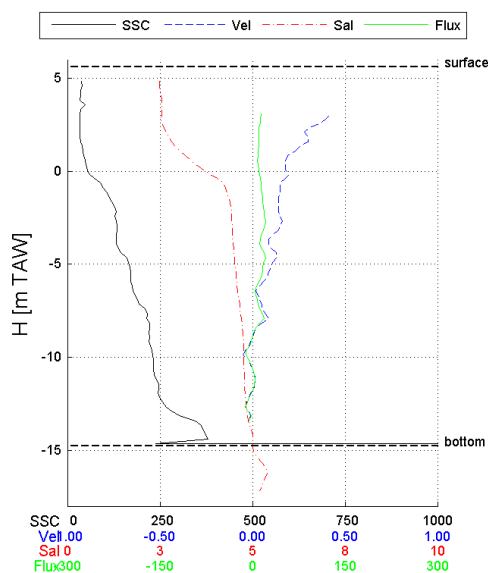
Siltprofiler, ADCP

Sourcefile(s):

7177Xa_1_00.txt
7194Xa_1_00.txt

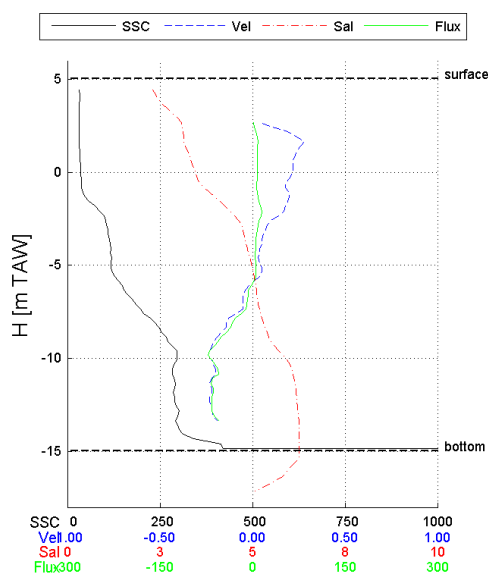
Location:

Deurganckdok Xa



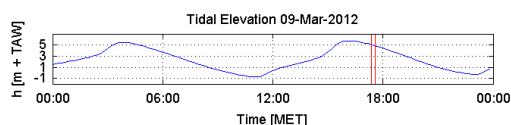
Easting [m UTM31-WGS84] 588441
Northing [m UTM31-WGS84] 5684125
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 163354
Water level [m TAW] 5.61
Water-bottom interface [m TAW] -14.77

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	38.26	-	2.50	-
3.00	33.56	0.42	2.55	13.94
1.50	37.65	0.28	2.85	10.61
0.00	56.29	0.19	3.74	10.66
-1.50	116.51	0.14	4.37	16.28
-3.00	133.75	0.15	4.45	19.33
-4.50	151.67	0.13	4.50	20.05
-6.00	172.63	0.05	4.58	9.69
-7.50	212.80	0.06	4.68	13.31
-9.00	221.83	-0.00	4.75	-1.31
-10.50	232.30	-0.01	4.77	-0.87
-12.00	246.88	-0.01	4.80	-2.83
-13.50	351.40	-	4.90	-
-15.00	-	-	5.02	-
-16.50	-	-	5.34	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588456
Northing [m UTM31-WGS84] 5684125
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 172249
Water level [m TAW] 5.05
Water-bottom interface [m TAW] -14.96

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	32.04	-	2.94	-
1.50	32.54	0.27	3.18	8.65
0.00	35.89	0.21	3.46	7.72
-1.50	54.72	0.19	4.09	10.50
-3.00	108.11	0.07	4.73	8.07
-4.50	118.84	0.03	4.91	3.92
-6.00	145.32	-0.01	5.09	-1.19
-7.50	203.87	-0.08	5.21	-15.77
-9.00	270.48	-0.20	5.49	-54.14
-10.50	285.00	-0.20	6.05	-57.05
-12.00	288.01	-0.23	6.19	-65.35
-13.50	295.72	-	6.25	-
-15.00	29641.49	-	6.27	-
-16.50	-	-	5.66	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

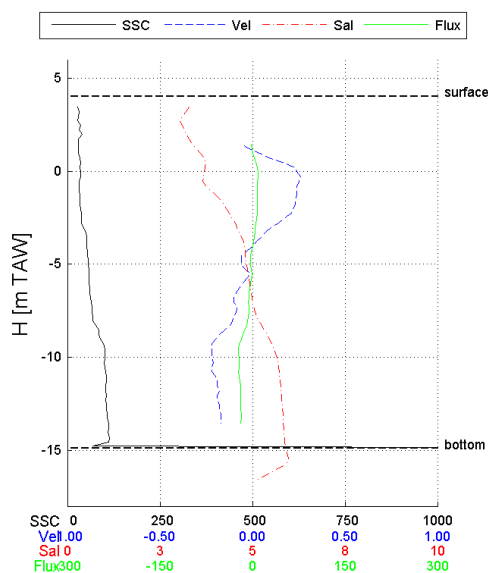
Siltprofiler, ADCP

Sourcefile(s):

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7228Xa_1_00.txt

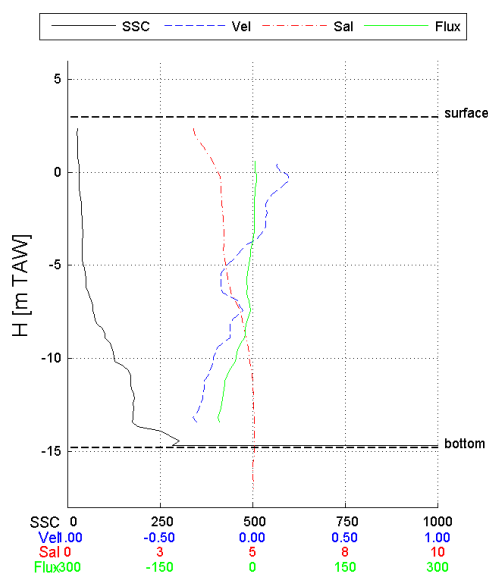
Location:

Deurganckdok Xa



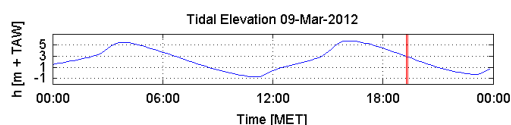
Easting [m UTM31-WGS84] 588460
Northing [m UTM31-WGS84] 5684120
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 182135
Water level [m TAW] 4.03
Water-bottom interface [m TAW] -14.90

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	30.46	-	3.12	-
1.50	30.02	-	3.37	-
0.00	35.63	0.24	3.69	8.68
-1.50	33.99	0.23	4.12	8.01
-3.00	43.73	0.10	4.59	4.66
-4.50	54.92	-0.06	4.81	-3.00
-6.00	59.06	-0.05	4.92	-2.86
-7.50	66.54	-0.09	5.08	-5.73
-9.00	89.14	-0.20	5.46	-17.85
-10.50	100.93	-0.22	5.70	-21.85
-12.00	105.14	-0.19	5.78	-19.61
-13.50	111.34	-0.17	5.84	-19.10
-15.00	2597.33	-	5.93	-
-16.50	-	-	5.20	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588446
Northing [m UTM31-WGS84] 5684126
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 191508
Water level [m TAW] 2.95
Water-bottom interface [m TAW] -14.79

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.66	-	3.62	-
0.00	31.28	0.17	4.07	5.20
-1.50	36.22	0.08	4.17	2.93
-3.00	40.58	0.07	4.22	2.65
-4.50	40.24	-0.09	4.24	-3.60
-6.00	49.55	-0.17	4.37	-8.57
-7.50	70.46	-0.06	4.67	-4.34
-9.00	107.04	-0.13	4.84	-14.70
-10.50	156.05	-0.22	4.96	-34.74
-12.00	179.91	-0.27	5.03	-48.31
-13.50	181.32	-	5.05	-
-15.00	-	-	5.06	-
-16.50	-	-	5.02	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

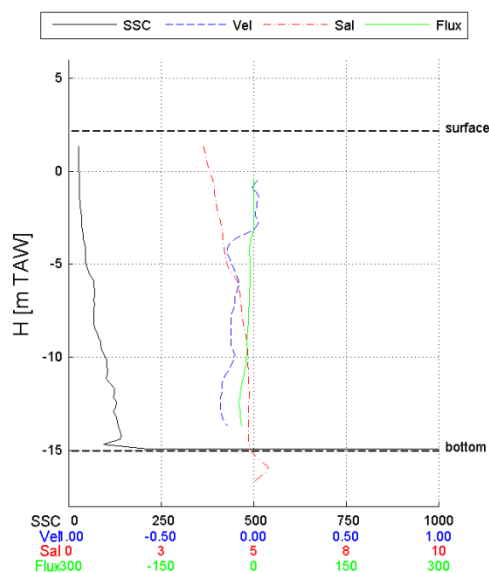
Siltprofiler, ADCP

Sourcefile(s):

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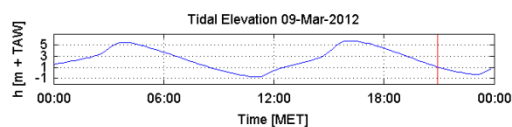
Location:

Deurganckdok Xa



Easting [m UTM31-WGS84] 588460
Northing [m UTM31-WGS84] 5684130
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 195456
Water level [m TAW] 2.13
Water-bottom interface [m TAW] -15.03

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.76	-	3.82	-
-1.50	30.74	0.03	3.97	0.82
-3.00	37.57	0.01	4.13	0.40
-4.50	46.20	-0.14	4.24	-6.08
-6.00	68.66	-0.08	4.58	-5.77
-7.50	69.35	-0.11	4.68	-8.13
-9.00	83.29	-0.12	4.81	-10.08
-10.50	104.62	-0.12	4.85	-12.69
-12.00	123.74	-0.17	4.88	-21.65
-13.50	132.79	-0.15	4.86	-20.11
-15.00	20736.10	-	4.92	-
-16.50	-	-	5.13	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.4 Location Xb

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

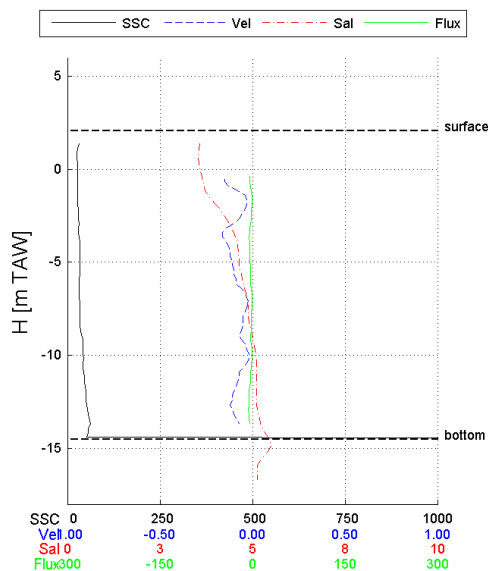
Siltprofiler, ADCP

Sourcefile(s):

7004Xb_1_00.txt
7021Xb_1_00.txt

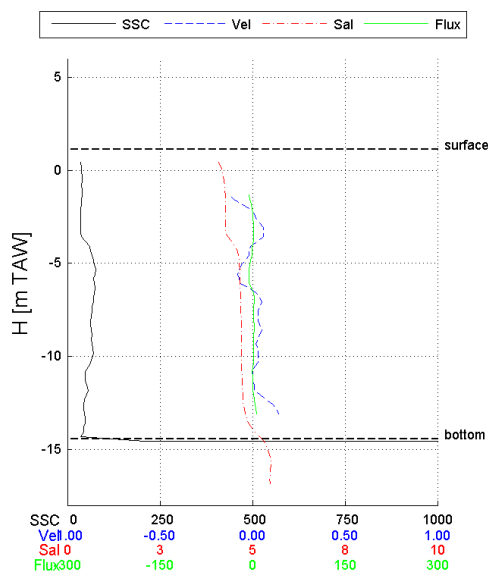
Location:

Deurganckdok Xb



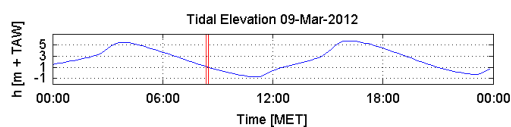
Easting [m UTM31-WGS84] 588501
Northing [m UTM31-WGS84] 5684193
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 072827
Water level [m TAW] 2.06
Water-bottom interface [m TAW] -14.51

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	26.98	-	3.59	-
-1.50	27.87	-0.04	3.84	-1.13
-3.00	30.27	-0.12	4.40	-3.57
-4.50	33.13	-0.12	4.62	-4.09
-6.00	32.14	-0.09	4.74	-2.94
-7.50	33.72	-0.03	4.88	-1.27
-9.00	40.04	-0.07	4.99	-2.54
-10.50	41.49	-0.04	5.12	-1.56
-12.00	50.67	-0.10	5.11	-5.17
-13.50	60.04	-0.08	5.20	-4.96
-15.00	-	-	5.46	-
-16.50	-	-	5.13	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588506
Northing [m UTM31-WGS84] 5684195
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 082116
Water level [m TAW] 1.12
Water-bottom interface [m TAW] -14.45

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	38.64	-	4.18	-
-1.50	38.72	-0.11	4.27	-4.10
-3.00	36.40	0.06	4.27	1.98
-4.50	65.98	-0.02	4.62	-1.13
-6.00	72.59	-0.07	4.67	-5.12
-7.50	66.29	0.03	4.69	1.89
-9.00	65.44	0.03	4.70	2.00
-10.50	58.30	0.01	4.71	0.94
-12.00	53.81	0.03	4.74	1.71
-13.50	48.05	-	4.87	-
-15.00	-	-	5.40	-
-16.50	-	-	5.47	-
-18.00	-	-	-	-



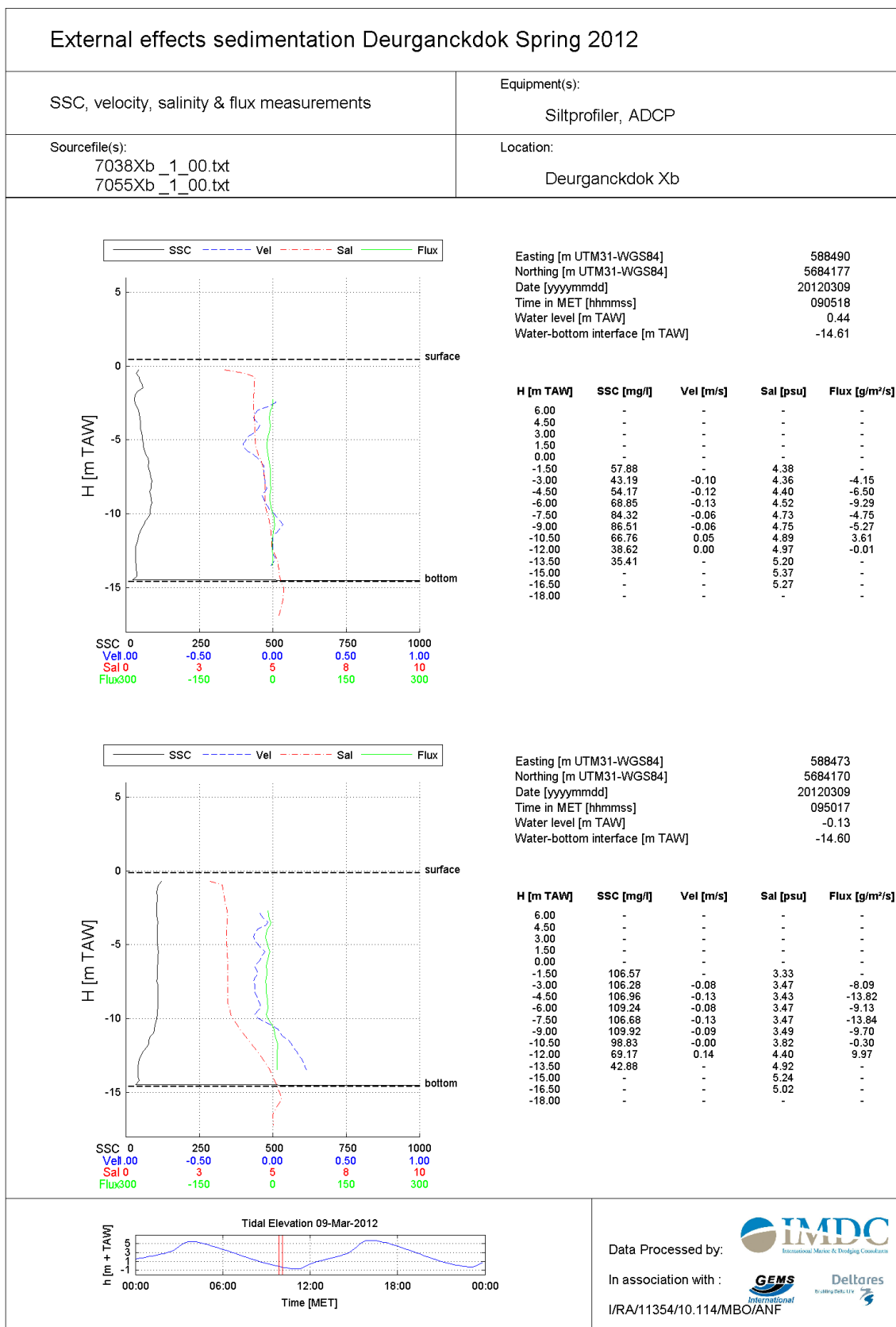
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

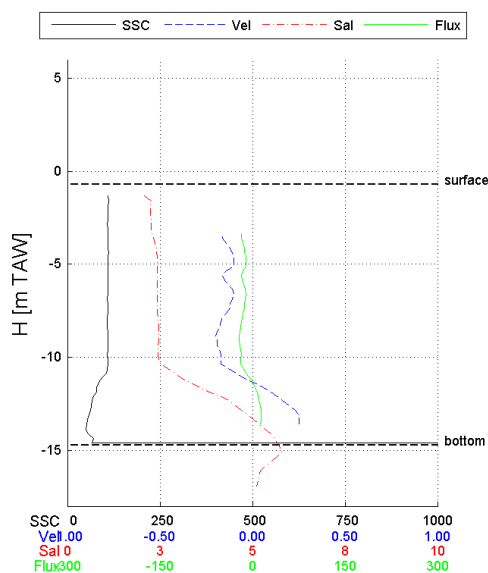
Siltprofiler, ADCP

Sourcefile(s):

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7090Xb_1_00.txt

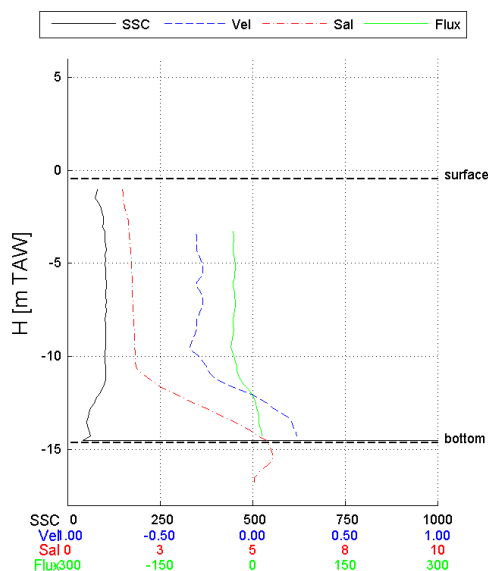
Location:

Deurganckdok Xb



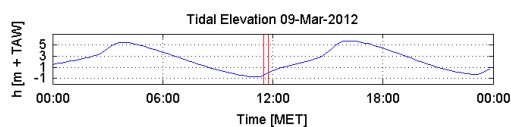
Easting [m UTM31-WGS84] 588497
Northing [m UTM31-WGS84] 5684186
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 104615
Water level [m TAW] -0.69
Water-bottom interface [m TAW] -14.73

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	111.44	-	2.19	-
-3.00	108.86	-	2.26	-
-4.50	110.38	-0.10	2.42	-11.51
-6.00	109.24	-0.14	2.42	-14.98
-7.50	109.35	-0.13	2.43	-14.31
-9.00	110.21	-0.19	2.46	-21.47
-10.50	108.27	-0.15	2.62	-16.40
-12.00	74.11	0.12	4.00	8.57
-13.50	52.67	0.25	5.12	13.27
-15.00	-	-	5.77	-
-16.50	-	-	5.16	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588500
Northing [m UTM31-WGS84] 5684196
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 113016
Water level [m TAW] -0.46
Water-bottom interface [m TAW] -14.63

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	76.12	-	1.51	-
-3.00	96.37	-	1.65	-
-4.50	102.55	-0.29	1.72	-29.75
-6.00	105.70	-0.30	1.75	-31.74
-7.50	105.70	-0.28	1.78	-29.37
-9.00	102.52	-0.32	1.82	-32.87
-10.50	102.70	-0.25	1.85	-25.87
-12.00	88.20	-0.02	2.88	-2.00
-13.50	52.21	0.21	4.50	10.94
-15.00	-	-	5.50	-
-16.50	-	-	5.06	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

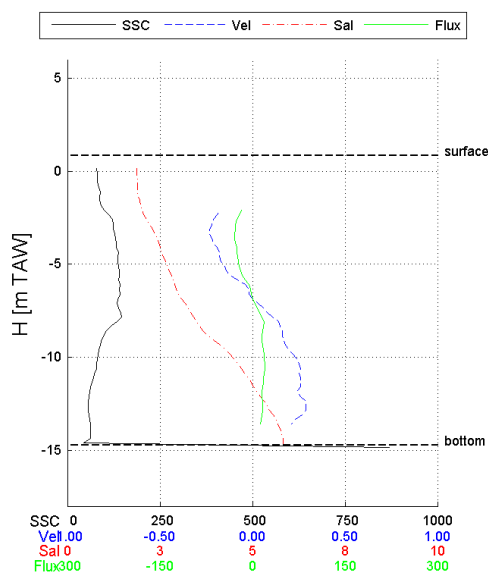
Siltprofiler, ADCP

Sourcefile(s):

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7124Xb_1_00.txt

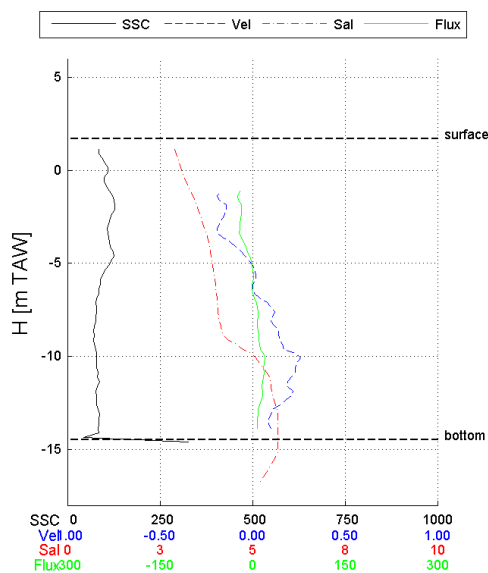
Location:

Deurganckdok Xb



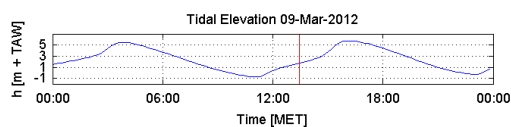
Easting [m UTM31-WGS84] 588492
Northing [m UTM31-WGS84] 5684178
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 122555
Water level [m TAW] 0.84
Water-bottom interface [m TAW] -14.71

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	79.75	-	1.88	-
-1.50	87.10	-	1.94	-
-3.00	123.23	-0.23	2.27	-27.68
-4.50	137.09	-0.18	2.57	-24.59
-6.00	140.83	-0.05	2.89	-7.28
-7.50	142.33	0.07	3.31	9.98
-9.00	93.16	0.17	3.91	15.47
-10.50	79.01	0.26	4.68	20.35
-12.00	59.42	0.25	5.18	15.24
-13.50	61.62	0.22	5.67	13.66
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588492
Northing [m UTM31-WGS84] 5684197
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 132758
Water level [m TAW] 1.71
Water-bottom interface [m TAW] -14.47

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	108.95	-	3.09	-
-1.50	124.64	-0.18	3.43	-23.27
-3.00	108.92	-0.19	3.68	-19.39
-4.50	125.14	-0.05	3.88	-6.10
-6.00	89.60	0.01	4.00	0.53
-7.50	79.04	0.11	4.07	8.89
-9.00	71.55	0.15	4.30	10.41
-10.50	79.35	0.23	5.25	18.70
-12.00	78.48	0.21	5.54	16.91
-13.50	84.91	0.09	5.68	7.76
-15.00	-	-	5.70	-
-16.50	-	-	5.28	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

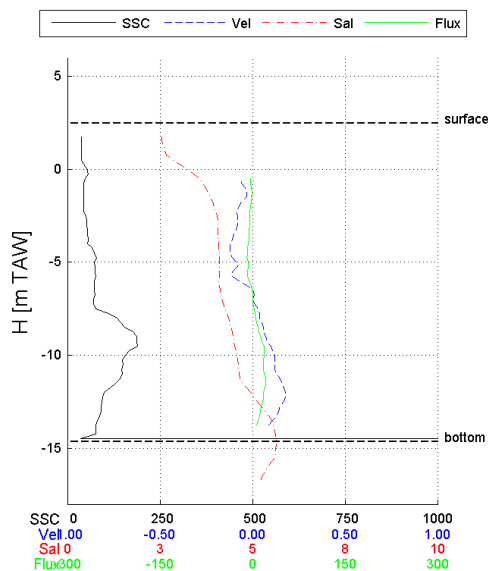
Siltprofiler, ADCP

Sourcefile(s):

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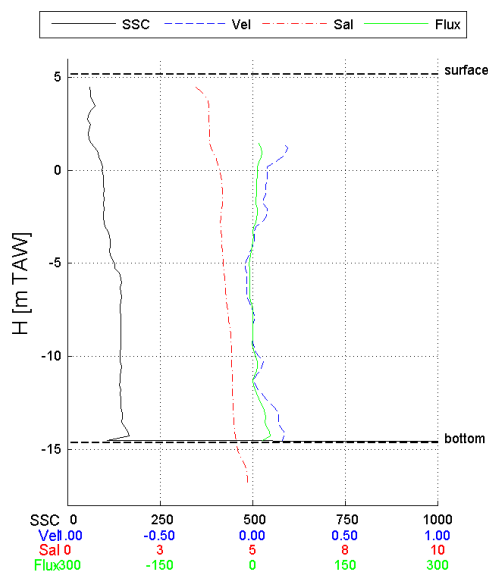
Location:

Deurganckdok Xb



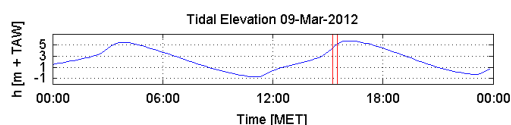
Easting [m UTM31-WGS84] 588499
Northing [m UTM31-WGS84] 5684208
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 141554
Water level [m TAW] 2.47
Water-bottom interface [m TAW] -14.62

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	37.72	-	2.55	-
0.00	53.34	-	3.24	-
-1.50	43.87	-0.03	3.87	-1.47
-3.00	52.75	-0.08	4.07	-4.42
-4.50	72.23	-0.12	4.10	-8.46
-6.00	72.04	-0.07	4.09	-5.08
-7.50	77.62	0.03	4.26	2.68
-9.00	188.32	0.07	4.47	12.62
-10.50	150.36	0.12	4.62	17.65
-12.00	99.89	0.18	4.94	17.96
-13.50	81.06	0.11	5.52	9.09
-15.00	-	-	5.63	-
-16.50	-	-	5.26	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588506
Northing [m UTM31-WGS84] 5684198
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 152938
Water level [m TAW] 5.17
Water-bottom interface [m TAW] -14.65

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	56.81	-	3.83	-
1.50	63.46	-	3.84	-
0.00	93.68	0.08	4.11	7.71
-1.50	99.03	0.06	4.20	6.16
-3.00	100.81	0.02	4.14	2.50
-4.50	116.25	-0.02	4.20	-2.31
-6.00	145.55	-0.03	4.27	-4.00
-7.50	142.58	-0.00	4.33	0.10
-9.00	144.30	0.00	4.42	0.02
-10.50	146.45	0.05	4.44	7.53
-12.00	143.27	0.05	4.46	6.50
-13.50	147.25	0.14	4.50	20.46
-15.00	-	-	4.60	-
-16.50	-	-	4.86	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

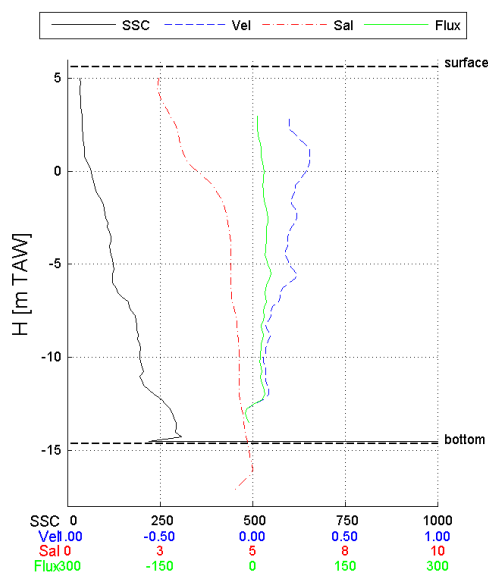
Siltprofiler, ADCP

Sourcefile(s):

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7193Xb_1_00.txt

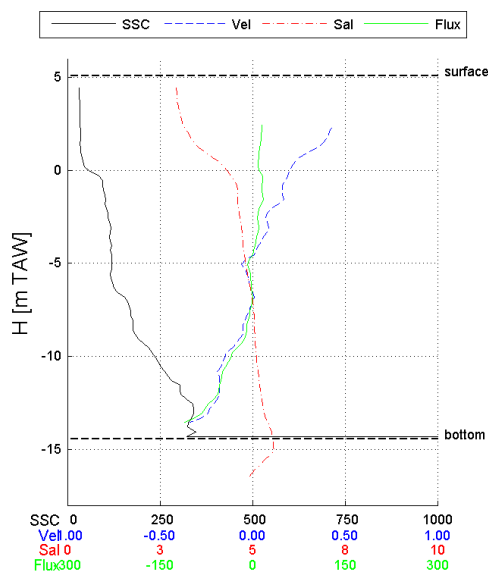
Location:

Deurganckdok Xb



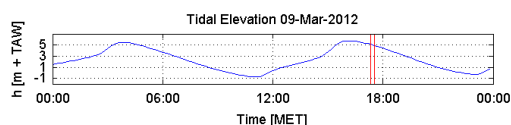
Easting [m UTM31-WGS84] 588480
Northing [m UTM31-WGS84] 5684191
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 163151
Water level [m TAW] 5.63
Water-bottom interface [m TAW] -14.64

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	34.11	-	2.42	-
3.00	38.91	-	2.77	-
1.50	43.73	0.28	3.05	12.38
0.00	65.01	0.29	3.51	18.58
-1.50	90.34	0.21	4.16	18.64
-3.00	108.49	0.21	4.36	23.02
-4.50	117.37	0.18	4.42	20.63
-6.00	121.75	0.20	4.42	24.69
-7.50	173.33	0.10	4.52	17.73
-9.00	190.61	0.09	4.62	16.49
-10.50	201.67	0.07	4.65	13.46
-12.00	233.42	0.09	4.65	19.87
-13.50	293.41	-0.02	4.77	-5.40
-15.00	-	-	4.90	-
-16.50	-	-	4.83	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588507
Northing [m UTM31-WGS84] 5684216
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 172012
Water level [m TAW] 5.10
Water-bottom interface [m TAW] -14.43

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	33.60	-	3.05	-
1.50	34.59	0.38	3.41	13.23
0.00	57.63	0.20	4.31	11.70
-1.50	102.86	0.17	4.61	17.31
-3.00	116.82	0.09	4.71	10.59
-4.50	119.22	0.01	4.78	0.97
-6.00	120.91	-0.02	4.91	-2.17
-7.50	169.60	-0.02	5.04	-3.45
-9.00	190.64	-0.07	5.07	-12.65
-10.50	251.79	-0.17	5.14	-42.67
-12.00	306.61	-0.18	5.23	-55.92
-13.50	327.61	-0.33	5.40	-107.21
-15.00	-	-	5.58	-
-16.50	-	-	4.90	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

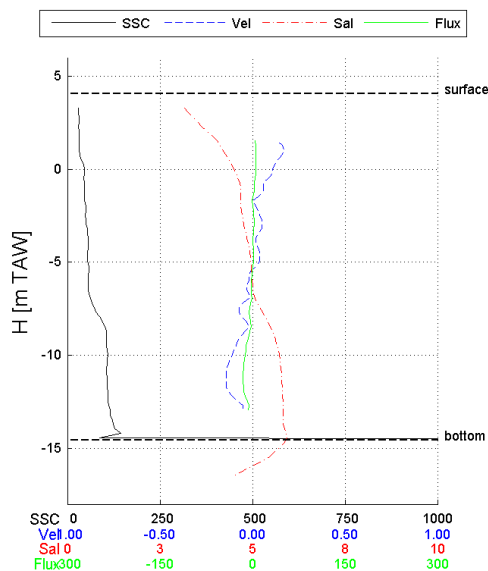
Siltprofiler, ADCP

Sourcefile(s):

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7227Xb_1_00.txt

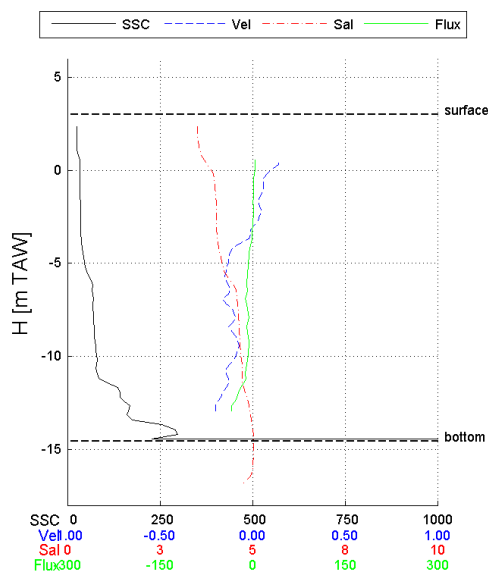
Location:

Deurganckdok Xb



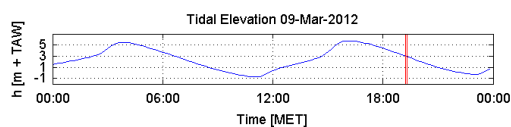
Easting [m UTM31-WGS84] 588510
Northing [m UTM31-WGS84] 5684204
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 181921
Water level [m TAW] 4.07
Water-bottom interface [m TAW] -14.57

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	29.61	-	3.29	-
1.50	31.66	0.14	4.06	4.37
0.00	46.69	0.11	4.50	5.31
-1.50	46.05	0.02	4.69	0.98
-3.00	50.98	0.05	4.77	2.53
-4.50	55.25	0.04	4.92	2.15
-6.00	57.00	-0.02	4.99	-1.29
-7.50	73.38	-0.07	5.22	-4.81
-9.00	105.58	-0.06	5.61	-6.39
-10.50	107.99	-0.13	5.75	-13.78
-12.00	109.47	-0.13	5.80	-13.43
-13.50	122.44	-	5.83	-
-15.00	-	-	5.69	-
-16.50	-	-	4.49	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588492
Northing [m UTM31-WGS84] 5684201
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 191258
Water level [m TAW] 2.99
Water-bottom interface [m TAW] -14.56

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	25.66	-	3.55	-
0.00	34.29	0.10	3.89	3.55
-1.50	34.53	0.04	4.01	1.37
-3.00	36.28	0.01	4.03	0.05
-4.50	43.51	-0.12	4.12	-5.46
-6.00	64.81	-0.14	4.43	-8.96
-7.50	68.67	-0.11	4.62	-7.53
-9.00	73.34	-0.09	4.66	-6.44
-10.50	79.08	-0.13	4.72	-9.80
-12.00	141.67	-0.16	4.82	-23.00
-13.50	201.55	-	4.97	-
-15.00	-	-	5.03	-
-16.50	-	-	4.91	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

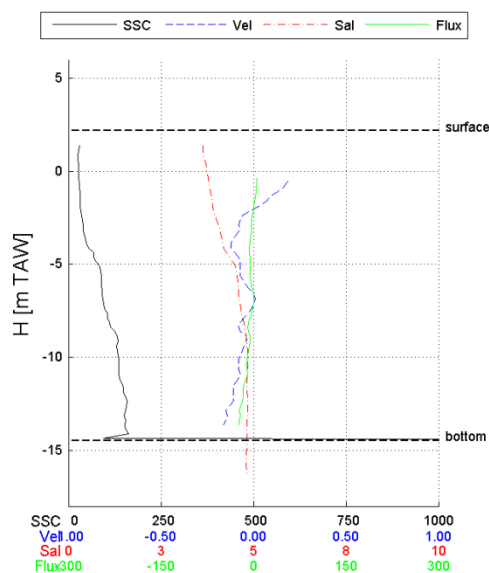
Siltprofiler, ADCP

Sourcefile(s):

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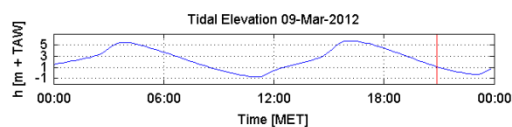
Location:

Deurganckdok Xb



Easting [m UTM31-WGS84] 588509
Northing [m UTM31-WGS84] 5684212
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 195302
Water level [m TAW] 2.17
Water-bottom interface [m TAW] -14.49

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	27.76	-	3.75	-
-1.50	31.68	0.08	3.88	2.49
-3.00	40.24	-0.07	4.06	-3.10
-4.50	68.14	-0.09	4.31	-6.12
-6.00	89.22	-0.04	4.58	-4.05
-7.50	101.96	-0.02	4.68	-2.54
-9.00	134.12	-0.04	4.82	-5.49
-10.50	135.97	-0.08	4.84	-10.85
-12.00	151.96	-0.11	4.84	-16.75
-13.50	153.24	-0.16	4.83	-23.66
-15.00	-	-	4.81	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:

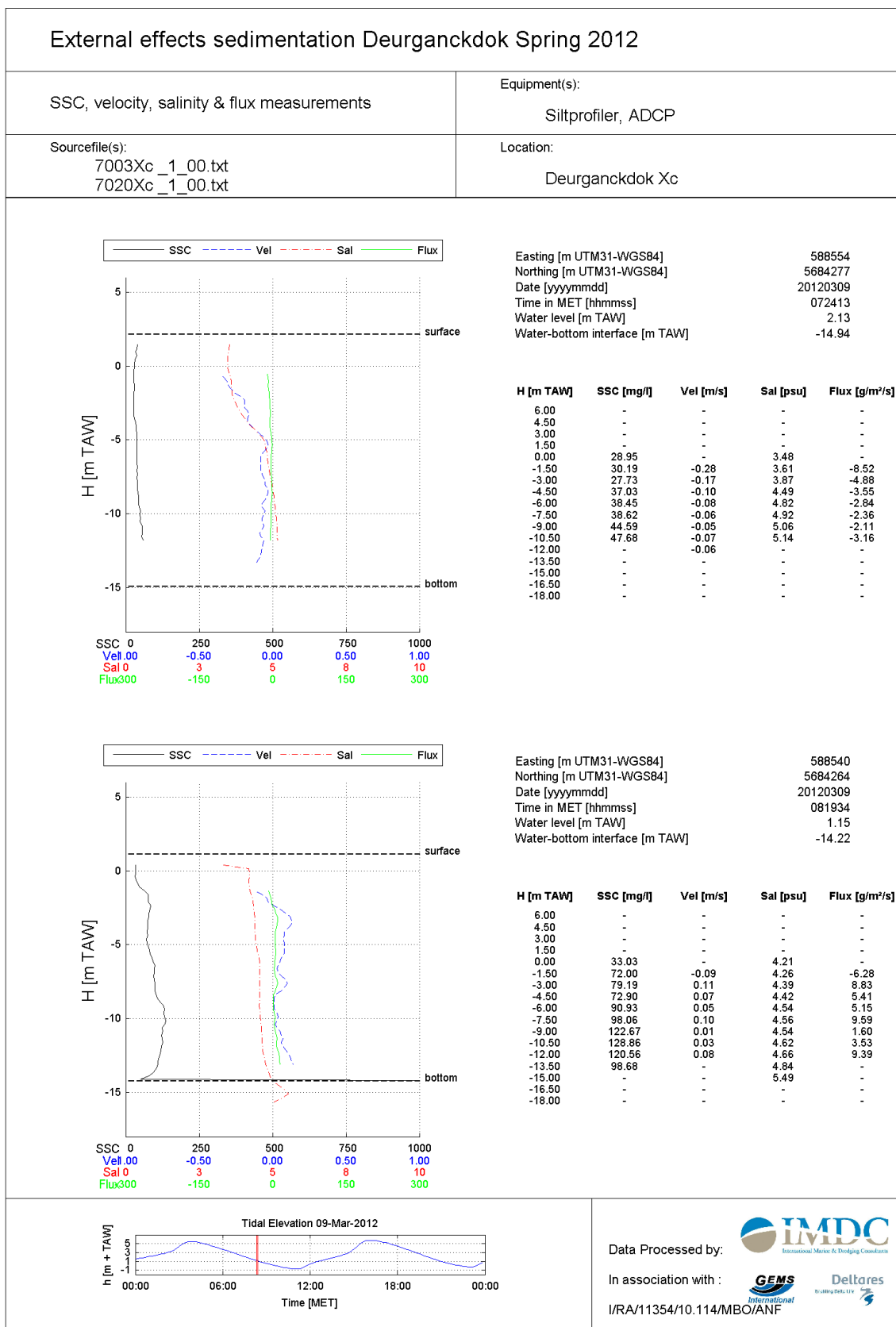


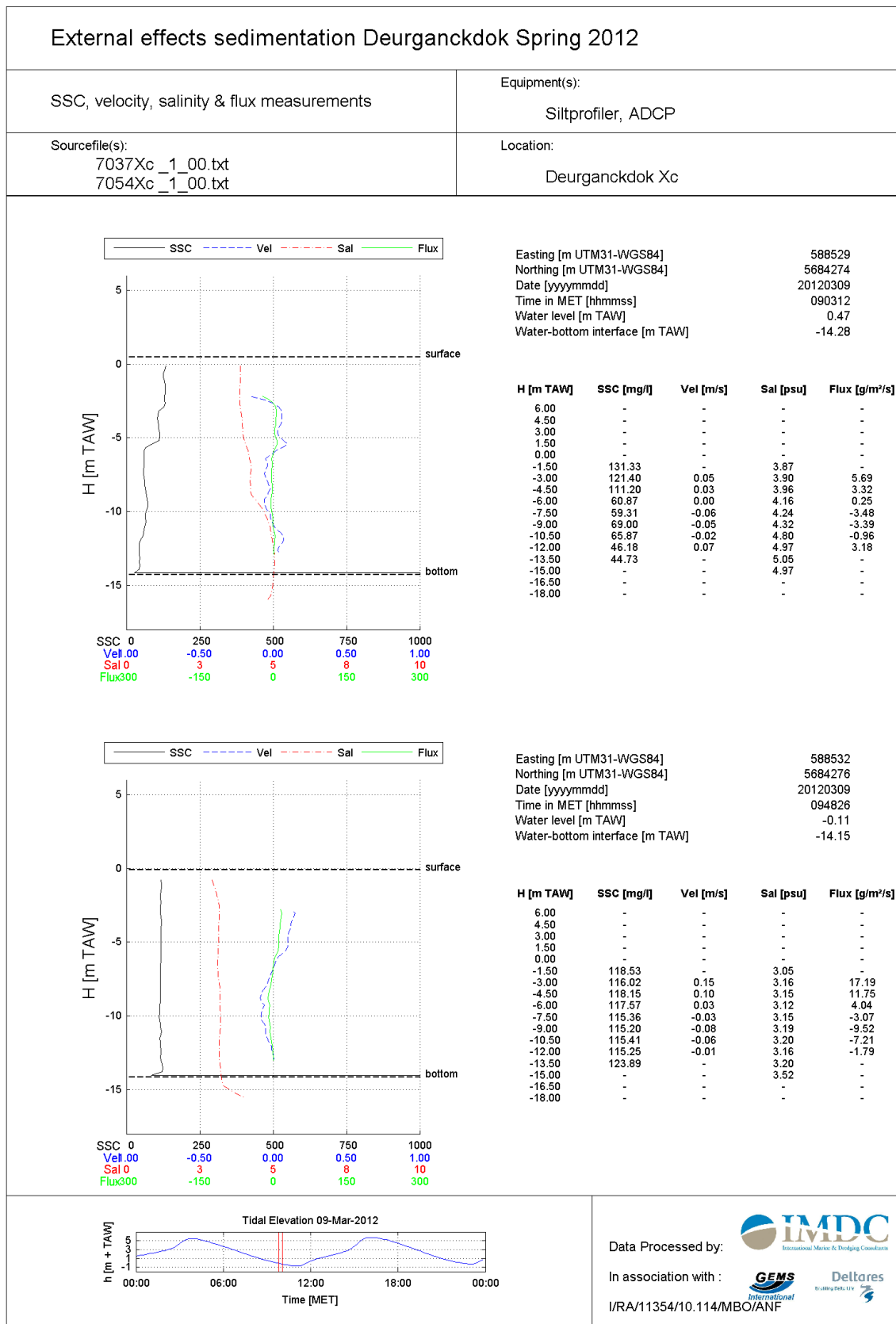
In association with:



I/RA/11354/10.114/MBO/ANF

C.5 Location Xc





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

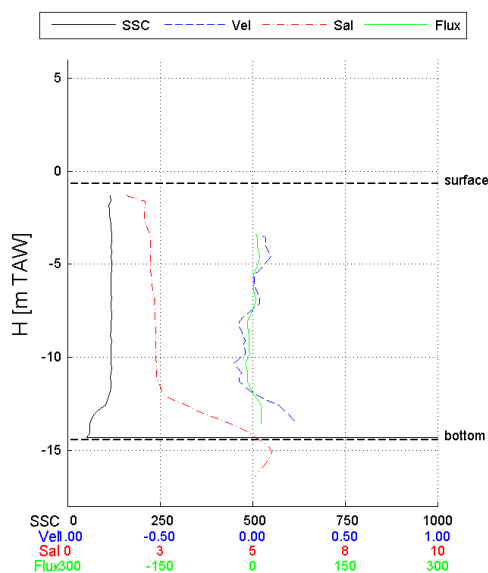
Siltprofiler, ADCP

Sourcefile(s):

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7089Xc_1_00.txt

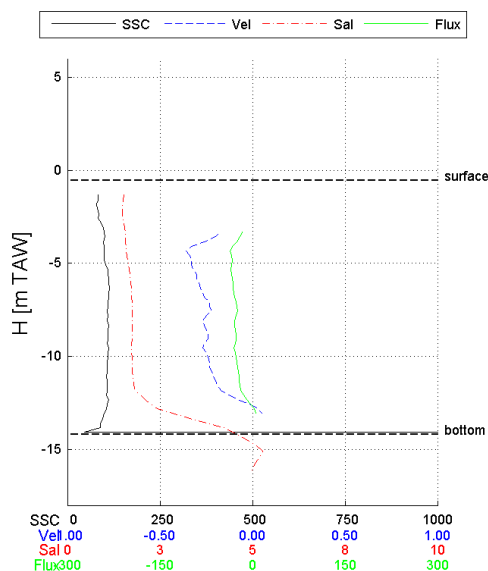
Location:

Deurganckdok Xc



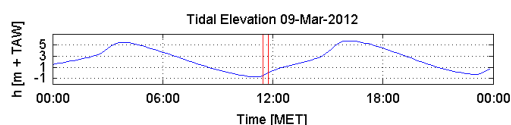
Easting [m UTM31-WGS84] 588539
Northing [m UTM31-WGS84] 5684246
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 104432
Water level [m TAW] -0.68
Water-bottom interface [m TAW] -14.45

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	116.91	-	1.96	-
-3.00	118.19	-	2.16	-
-4.50	118.59	0.10	2.24	11.24
-6.00	118.16	0.01	2.29	1.48
-7.50	119.08	-0.01	2.37	-0.80
-9.00	118.18	-0.04	2.38	-5.33
-10.50	119.12	-0.09	2.40	-10.05
-12.00	112.95	0.02	2.61	2.67
-13.50	62.14	0.23	4.32	14.49
-15.00	-	-	5.50	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588508
Northing [m UTM31-WGS84] 5684266
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 112701
Water level [m TAW] -0.53
Water-bottom interface [m TAW] -14.19

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	82.96	-	1.51	-
-3.00	95.54	-	1.53	-
-4.50	99.02	-0.35	1.60	-33.92
-6.00	111.53	-0.29	1.71	-32.14
-7.50	108.45	-0.22	1.75	-24.43
-9.00	110.17	-0.24	1.75	-26.03
-10.50	108.04	-0.23	1.76	-24.56
-12.00	106.85	-0.14	1.94	-15.26
-13.50	91.48	-	3.64	-
-15.00	-	-	5.24	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

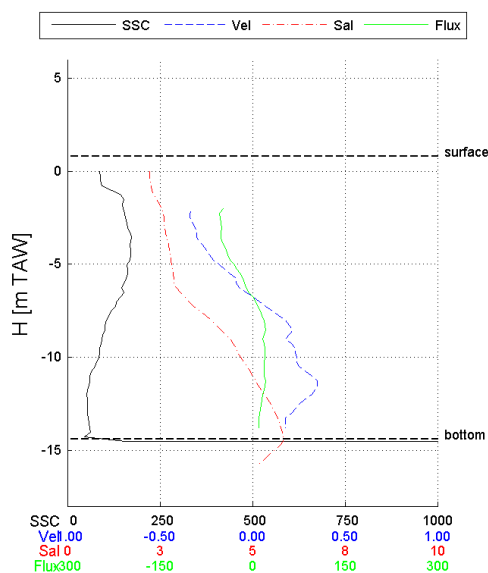
Siltprofiler, ADCP

Sourcefile(s):

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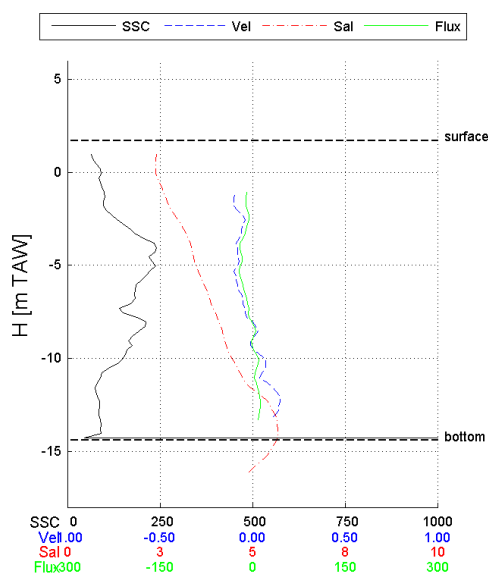
Location:

Deurganckdok Xc



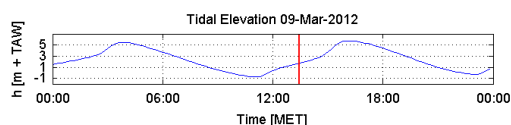
Easting [m UTM31-WGS84] 588554
Northing [m UTM31-WGS84] 5684257
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 122332
Water level [m TAW] 0.79
Water-bottom interface [m TAW] -14.39

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	87.47	-	2.22	-
-1.50	152.50	-	2.41	-
-3.00	162.75	-0.31	2.64	-50.35
-4.50	170.25	-0.23	2.78	-39.58
-6.00	153.57	-0.09	2.88	-13.21
-7.50	119.02	0.11	3.57	12.34
-9.00	92.75	0.18	4.40	17.11
-10.50	73.79	0.25	4.85	18.47
-12.00	52.58	0.32	5.32	16.64
-13.50	58.13	0.18	5.73	10.47
-15.00	-	-	5.59	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588530
Northing [m UTM31-WGS84] 5684261
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 132619
Water level [m TAW] 1.69
Water-bottom interface [m TAW] -14.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	91.26	-	2.39	-
-1.50	98.60	-0.10	2.69	-10.28
-3.00	167.56	-0.06	3.13	-9.47
-4.50	221.63	-0.08	3.41	-16.73
-6.00	188.83	-0.08	3.68	-16.35
-7.50	147.23	-0.04	3.99	-6.19
-9.00	166.67	-0.01	4.25	-1.28
-10.50	115.61	0.07	4.59	7.73
-12.00	79.91	0.15	5.24	11.53
-13.50	90.96	-	5.67	-
-15.00	-	-	5.47	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

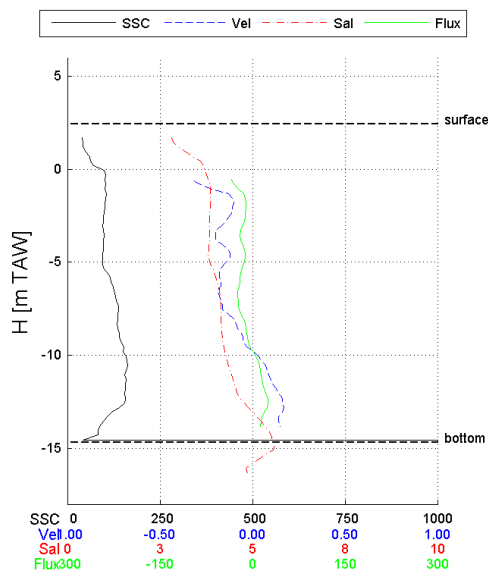
Siltprofiler, ADCP

Sourcefile(s):

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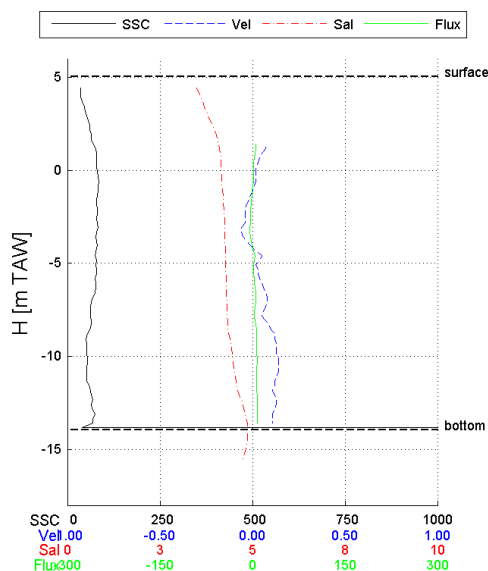
Location:

Deurganckdok Xc



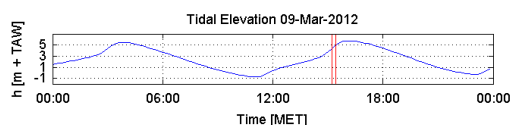
Easting [m UTM31-WGS84] 588548
Northing [m UTM31-WGS84] 5684242
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 141345
Water level [m TAW] 2.43
Water-bottom interface [m TAW] -14.67

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	40.91	-	2.85	-
0.00	94.68	-	3.70	-
-1.50	104.26	-0.11	3.87	-11.53
-3.00	95.67	-0.16	3.84	-15.43
-4.50	95.34	-0.12	3.81	-11.48
-6.00	118.24	-0.17	4.03	-20.05
-7.50	138.69	-0.16	4.15	-22.00
-9.00	140.48	-0.05	4.19	-7.74
-10.50	163.07	0.07	4.35	10.86
-12.00	155.41	0.14	4.57	21.54
-13.50	99.66	0.14	5.21	14.27
-15.00	-	-	5.57	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588523
Northing [m UTM31-WGS84] 5684300
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 152655
Water level [m TAW] 5.06
Water-bottom interface [m TAW] -13.94

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	51.00	-	3.79	-
1.50	69.75	-	4.07	-
0.00	80.36	0.02	4.15	1.75
-1.50	80.35	-0.02	4.22	-1.33
-3.00	81.92	-0.06	4.25	-4.48
-4.50	75.64	0.04	4.27	3.15
-6.00	76.00	0.05	4.30	3.49
-7.50	62.21	0.06	4.32	3.81
-9.00	51.79	0.12	4.38	6.29
-10.50	52.26	0.14	4.49	7.42
-12.00	63.49	0.12	4.63	7.58
-13.50	69.30	0.11	4.85	7.57
-15.00	-	-	4.82	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

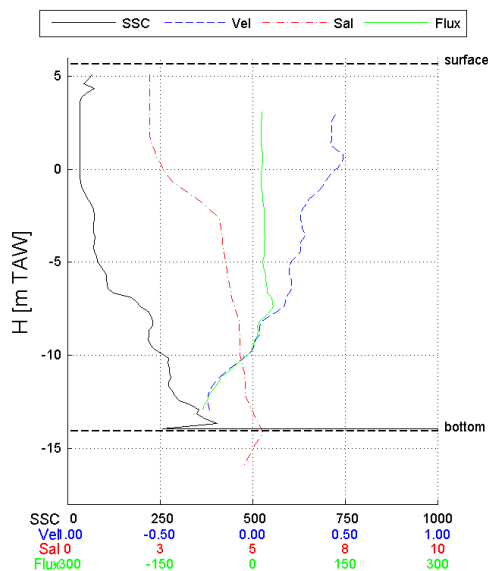
Siltprofiler, ADCP

Sourcefile(s):

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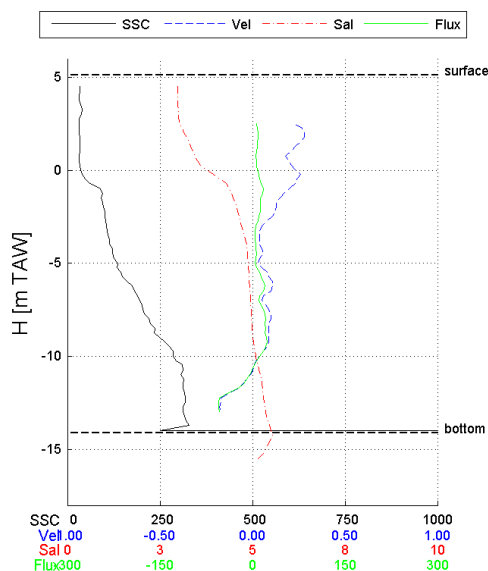
Location:

Deurganckdok Xc



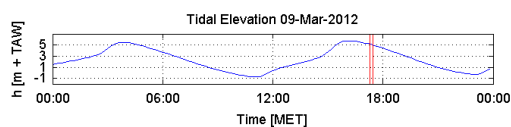
Easting [m UTM31-WGS84] 588538
Northing [m UTM31-WGS84] 5684284
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 162730
Water level [m TAW] 5.67
Water-bottom interface [m TAW] -14.05

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	52.77	-	2.22	-
3.00	33.84	0.45	2.22	15.20
1.50	33.81	0.43	2.26	14.47
0.00	34.13	0.45	2.60	15.23
-1.50	52.89	0.32	3.45	16.76
-3.00	70.73	0.27	4.13	18.99
-4.50	75.46	0.25	4.24	19.04
-6.00	106.39	0.21	4.36	22.32
-7.50	205.93	0.15	4.54	31.39
-9.00	219.29	0.03	4.66	6.51
-10.50	273.57	-0.09	4.73	-26.47
-12.00	286.90	-0.23	4.80	-67.34
-13.50	384.19	-	5.13	-
-15.00	-	-	5.01	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588551
Northing [m UTM31-WGS84] 5684279
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 171758
Water level [m TAW] 5.13
Water-bottom interface [m TAW] -14.10

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	34.19	-	2.99	-
3.00	36.76	-	3.01	-
1.50	33.43	0.26	3.29	8.48
0.00	36.16	0.23	3.80	8.64
-1.50	92.74	0.15	4.49	13.35
-3.00	106.25	0.05	4.71	4.97
-4.50	123.14	0.06	4.86	6.63
-6.00	164.27	0.11	4.91	17.93
-7.50	204.24	0.09	4.96	17.97
-9.00	250.50	0.09	5.02	22.46
-10.50	310.77	0.01	5.15	2.94
-12.00	316.80	-0.13	5.28	-41.12
-13.50	322.31	-	5.42	-
-15.00	-	-	5.35	-
-16.50	-	-	-	-
-18.00	-	-	-	-



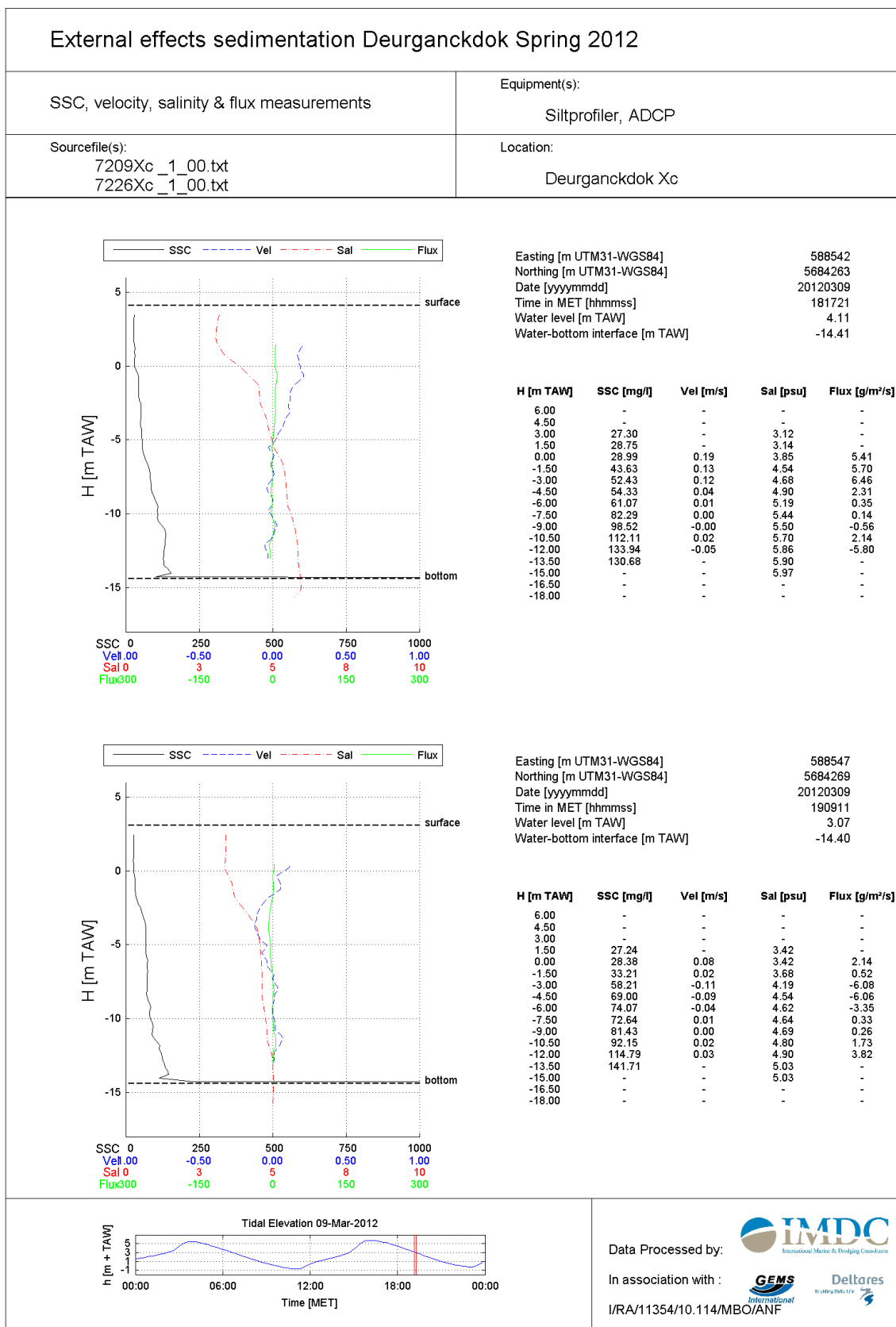
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

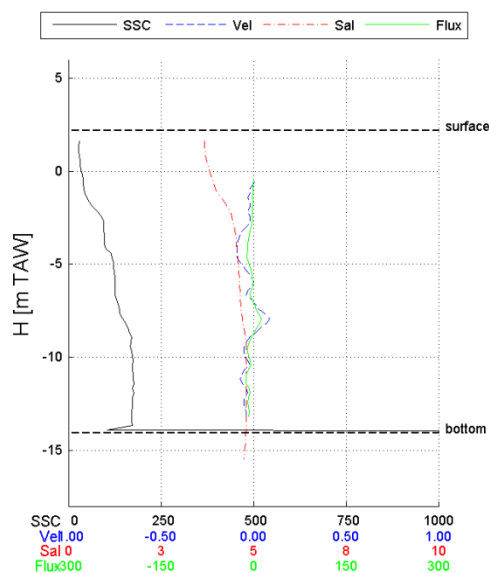
Siltprofler, ADCP

Sourcefile(s):

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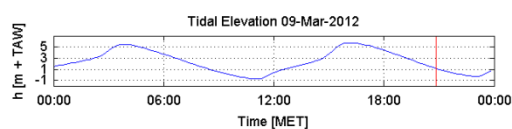
Location:

Deurganckdok Xc



Easting [m UTM31-WGS84] 588554
Northing [m UTM31-WGS84] 5684282
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 195111
Water level [m TAW] 2.20
Water-bottom interface [m TAW] -14.05

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	28.98	-	3.68	-
0.00	35.25	-	3.81	-
-1.50	52.95	-0.03	4.15	-1.32
-3.00	96.07	-0.04	4.48	-3.92
-4.50	116.20	-0.09	4.57	-10.57
-6.00	126.13	-0.00	4.63	-0.62
-7.50	139.01	0.04	4.67	5.88
-9.00	169.89	-0.03	4.79	-4.36
-10.50	172.16	-0.03	4.80	-5.11
-12.00	174.92	-0.04	4.81	-7.07
-13.50	171.77	-	4.80	-
-15.00	-	-	4.77	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.6 Location Xd

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

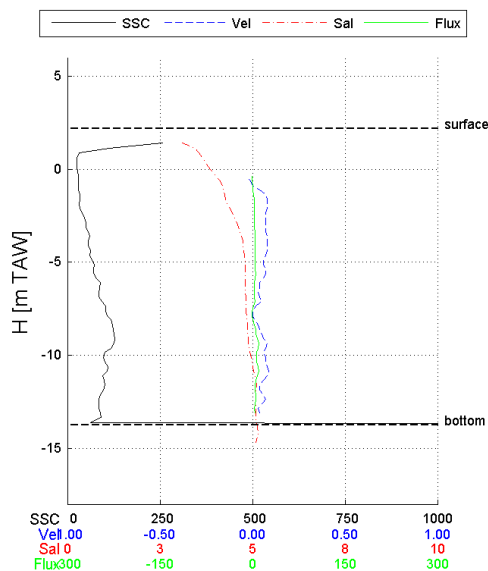
Siltprofiler, ADCP

Sourcefile(s):

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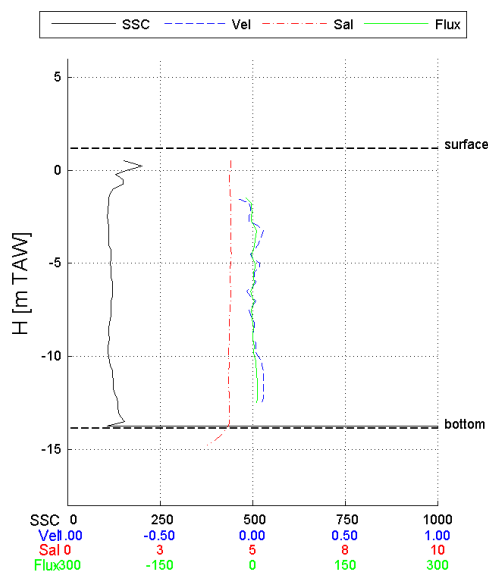
Location:

Deurganckdok Xd



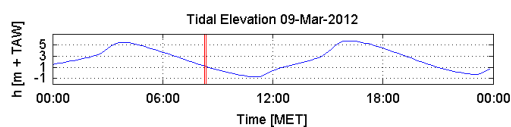
Easting [m UTM31-WGS84] 588602
Northing [m UTM31-WGS84] 5684358
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 072151
Water level [m TAW] 2.18
Water-bottom interface [m TAW] -13.73

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	27.33	-	3.86	-
-1.50	33.86	0.08	4.27	2.56
-3.00	50.15	0.07	4.60	3.52
-4.50	61.00	0.07	4.78	4.30
-6.00	85.48	0.05	4.80	3.79
-7.50	103.54	0.01	4.83	0.72
-9.00	127.03	0.06	4.88	6.70
-10.50	106.22	0.08	5.00	7.94
-12.00	92.71	0.05	5.10	4.87
-13.50	73.73	-	5.11	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588589
Northing [m UTM31-WGS84] 5684347
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 081735
Water level [m TAW] 1.18
Water-bottom interface [m TAW] -13.86

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	156.97	-	4.40	-
-1.50	112.11	-0.09	4.41	-10.08
-3.00	111.98	0.03	4.42	3.32
-4.50	117.18	-0.01	4.43	-1.28
-6.00	120.98	0.02	4.40	2.92
-7.50	117.48	-0.02	4.39	-1.96
-9.00	113.38	0.00	4.37	0.32
-10.50	116.56	0.05	4.37	6.09
-12.00	127.58	0.06	4.37	7.84
-13.50	152.55	-	4.37	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



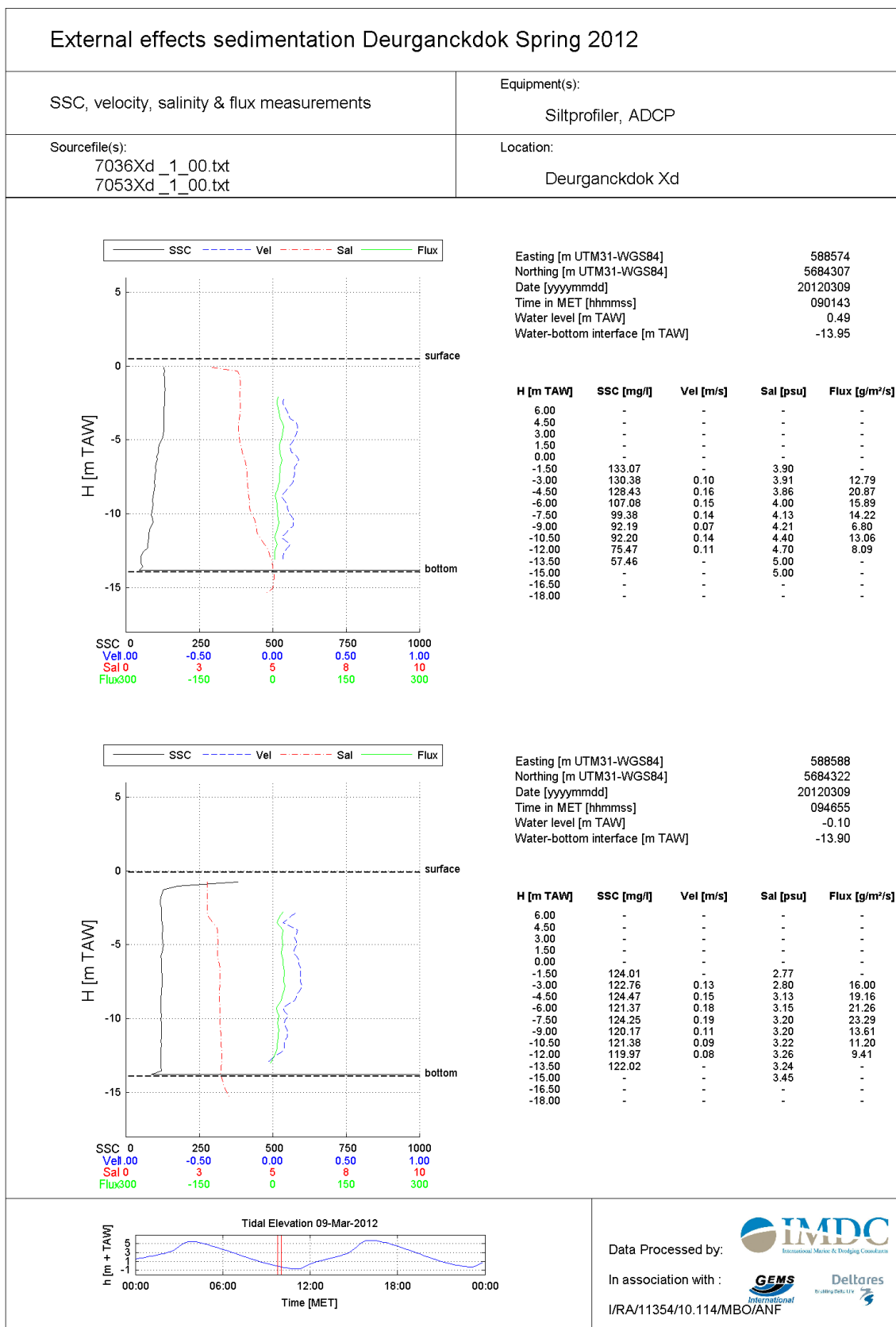
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

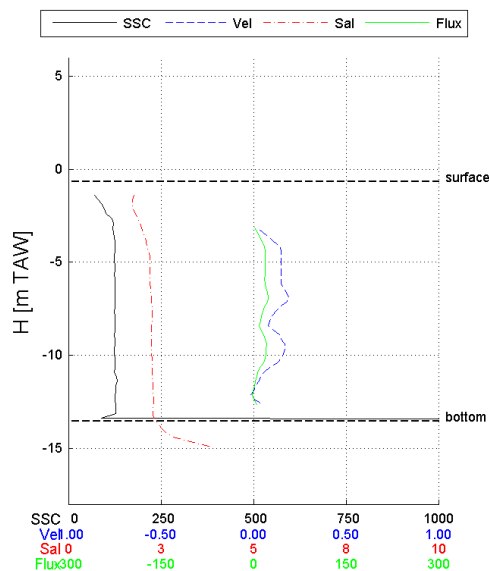
Siltprofiler, ADCP

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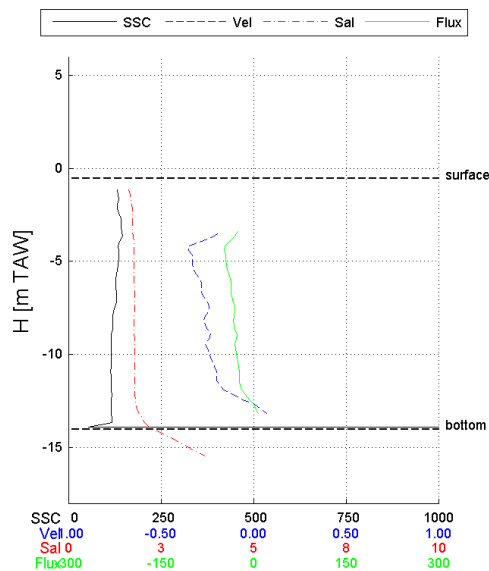
Location:

Deurganckdok Xd



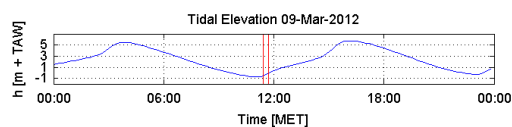
Easting [m UTM31-WGS84] 588570
Northing [m UTM31-WGS84] 5684337
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 104222
Water level [m TAW] -0.67
Water-bottom interface [m TAW] -13.52

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	75.96	-	1.75	-
-3.00	121.15	-	1.95	-
-4.50	124.95	0.15	2.18	18.90
-6.00	125.47	0.15	2.20	18.56
-7.50	124.98	0.13	2.26	16.62
-9.00	125.08	0.14	2.25	18.09
-10.50	125.25	0.11	2.26	13.95
-12.00	127.35	-0.01	2.29	-1.24
-13.50	4598.93	-	2.34	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588508
Northing [m UTM31-WGS84] 5684266
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 112526
Water level [m TAW] -0.56
Water-bottom interface [m TAW] -14.04

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	135.27	-	1.68	-
-3.00	142.29	-	1.73	-
-4.50	136.22	-0.34	1.78	-46.26
-6.00	127.51	-0.29	1.78	-36.97
-7.50	124.43	-0.24	1.79	-30.03
-9.00	115.14	-0.23	1.78	-26.74
-10.50	116.12	-0.22	1.79	-25.00
-12.00	116.35	-0.14	1.79	-16.78
-13.50	117.26	-	2.02	-
-15.00	-	-	3.26	-
-16.50	-	-	-	-
-18.00	-	-	-	-



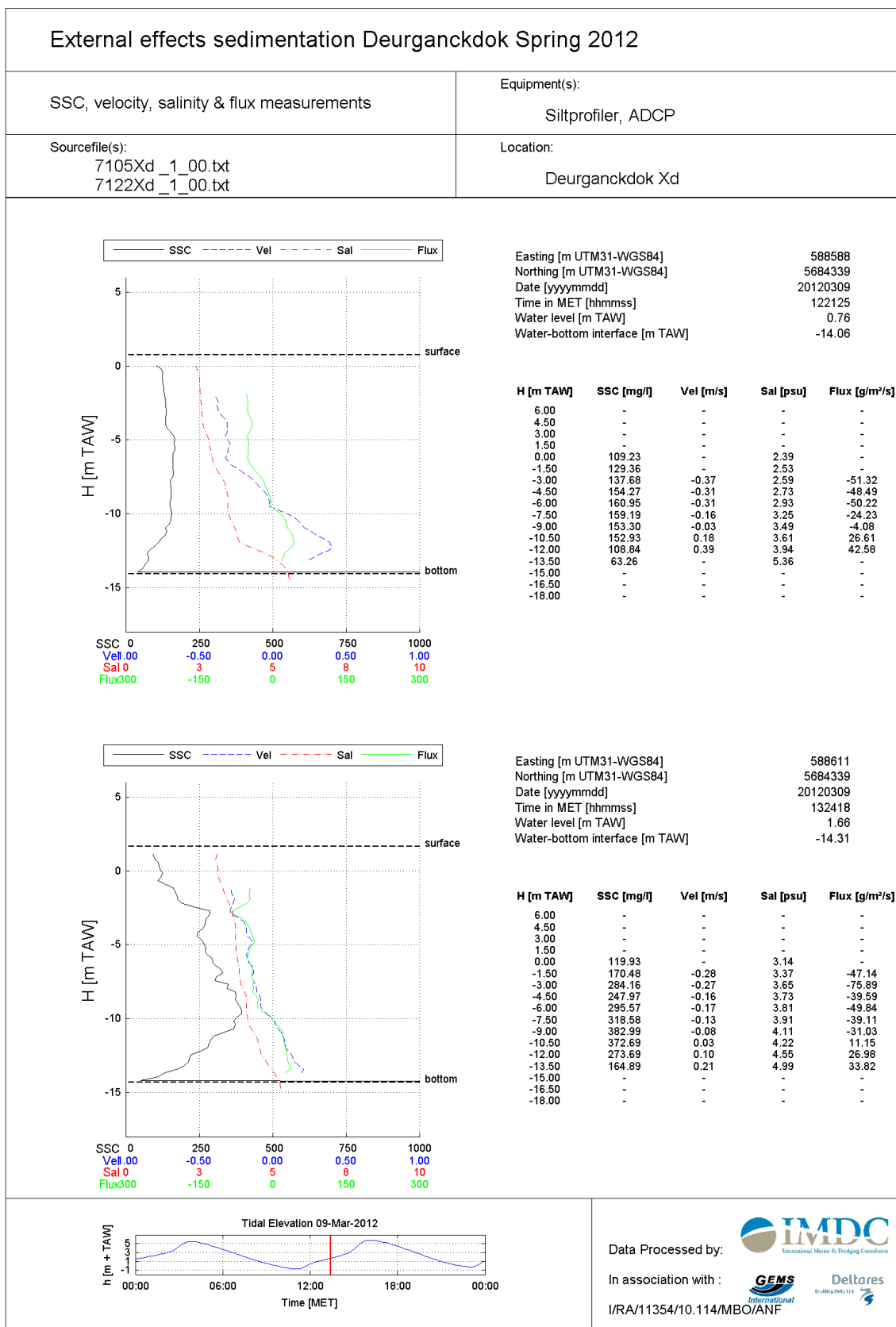
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

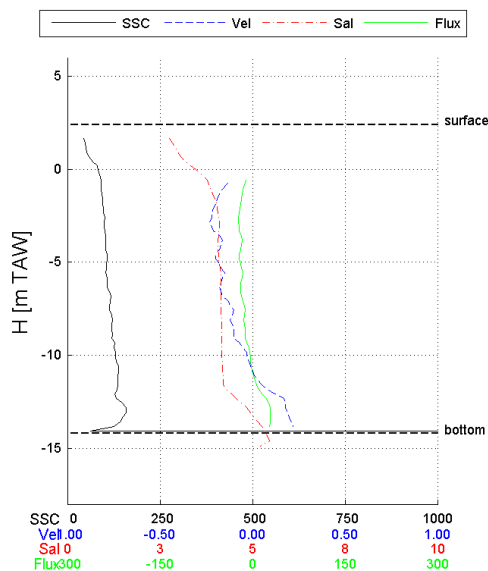
Siltprofiler, ADCP

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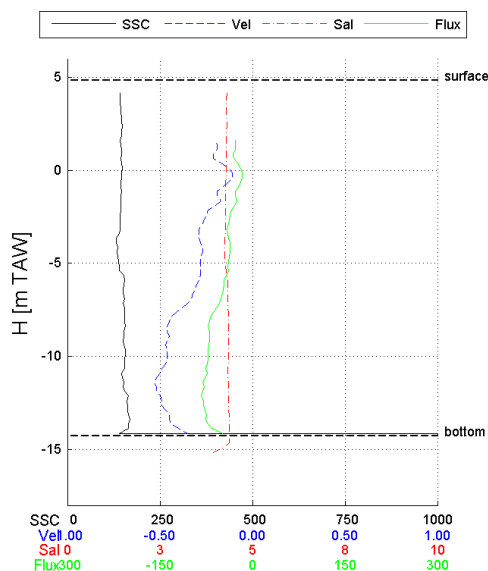
Location:

Deurganckdok Xd



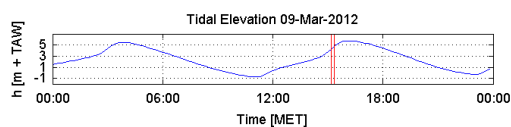
Easting [m UTM31-WGS84] 588600
Northing [m UTM31-WGS84] 5684338
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 141134
Water level [m TAW] 2.39
Water-bottom interface [m TAW] -14.21

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	46.95	-	2.81	-
0.00	82.46	-	3.45	-
-1.50	94.18	-0.19	3.97	-17.93
-3.00	99.14	-0.22	4.10	-21.93
-4.50	106.20	-0.19	4.08	-20.76
-6.00	107.49	-0.17	4.15	-18.27
-7.50	114.21	-0.11	4.15	-12.09
-9.00	120.73	-0.10	4.17	-11.77
-10.50	136.40	-0.01	4.19	-2.21
-12.00	130.38	0.11	4.39	14.19
-13.50	144.81	0.21	5.12	29.45
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588598
Northing [m UTM31-WGS84] 5684332
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 152159
Water level [m TAW] 4.85
Water-bottom interface [m TAW] -14.27

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	145.60	-	4.30	-
1.50	143.49	-0.20	4.29	-27.58
0.00	147.44	-0.12	4.30	-17.83
-1.50	145.07	-0.18	4.27	-26.29
-3.00	142.94	-0.28	4.28	-39.92
-4.50	135.88	-0.27	4.26	-37.17
-6.00	154.28	-0.30	4.34	-46.05
-7.50	154.67	-0.40	4.34	-60.85
-9.00	151.75	-0.46	4.35	-69.42
-10.50	154.86	-0.48	4.35	-74.08
-12.00	159.98	-0.51	4.36	-81.54
-13.50	166.25	-0.45	4.37	-73.63
-15.00	-	-	4.12	-
-16.50	-	-	-	-
-18.00	-	-	-	-



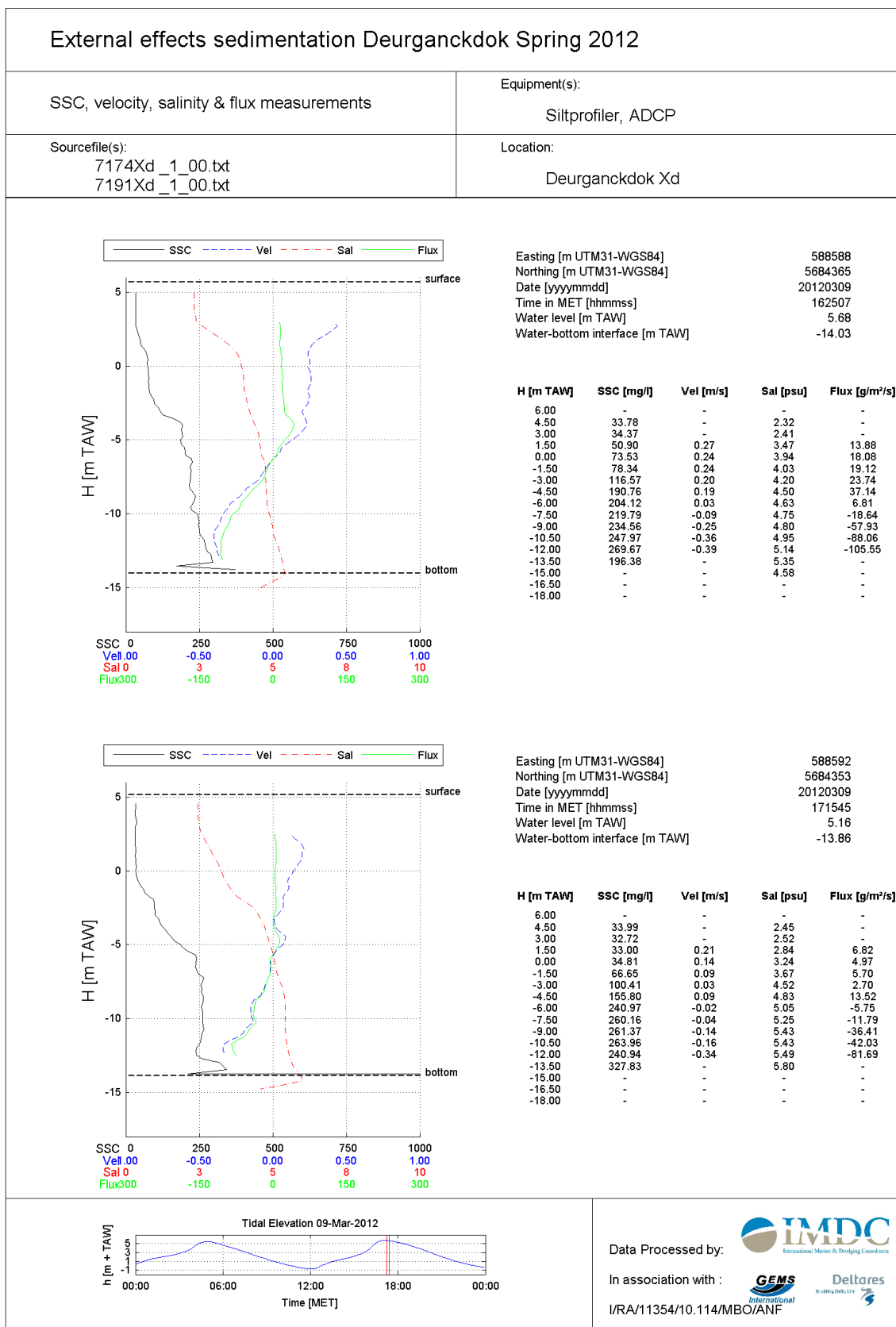
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

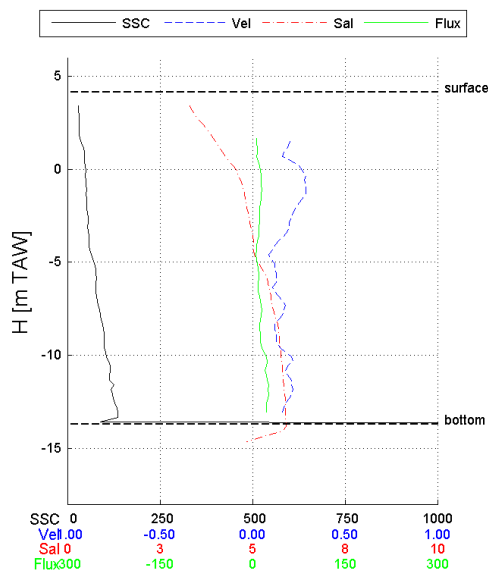
Siltprofiler, ADCP

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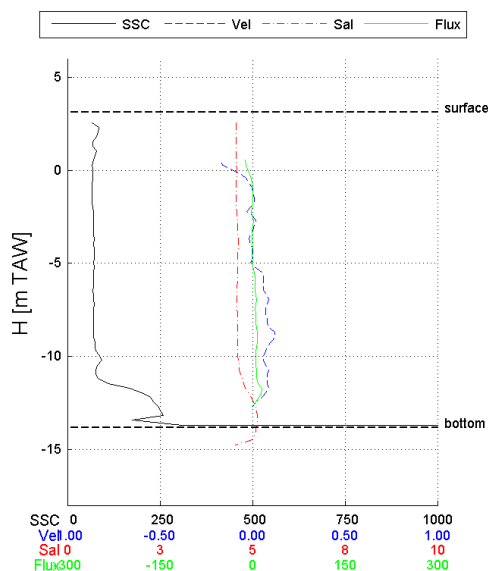
Location:

Deurganckdok Xd



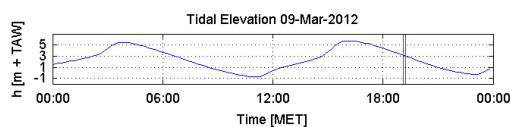
Easting [m UTM31-WGS84] 588599
Northing [m UTM31-WGS84] 5684352
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 181457
Water level [m TAW] 4.16
Water-bottom interface [m TAW] -13.71

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	30.61	-	3.43	-
1.50	36.23	0.20	4.00	7.25
0.00	49.18	0.27	4.55	13.06
-1.50	51.89	0.28	4.80	14.46
-3.00	55.62	0.20	4.94	11.04
-4.50	64.34	0.09	5.05	6.21
-6.00	76.65	0.13	5.41	9.78
-7.50	85.68	0.17	5.55	14.75
-9.00	99.46	0.13	5.72	12.71
-10.50	114.28	0.20	5.80	23.09
-12.00	120.92	0.21	5.87	26.03
-13.50	104.25	-	5.91	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588588
Northing [m UTM31-WGS84] 5684340
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 190642
Water level [m TAW] 3.12
Water-bottom interface [m TAW] -13.83

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	68.08	-	4.56	-
0.00	67.89	-0.11	4.57	-7.24
-1.50	65.80	0.01	4.56	0.59
-3.00	70.26	0.01	4.61	0.63
-4.50	71.92	0.00	4.61	-0.08
-6.00	70.12	0.06	4.60	4.09
-7.50	70.74	0.07	4.59	4.77
-9.00	71.49	0.12	4.61	8.34
-10.50	80.84	0.07	4.64	5.89
-12.00	204.89	0.07	4.90	13.20
-13.50	209.31	-	5.13	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

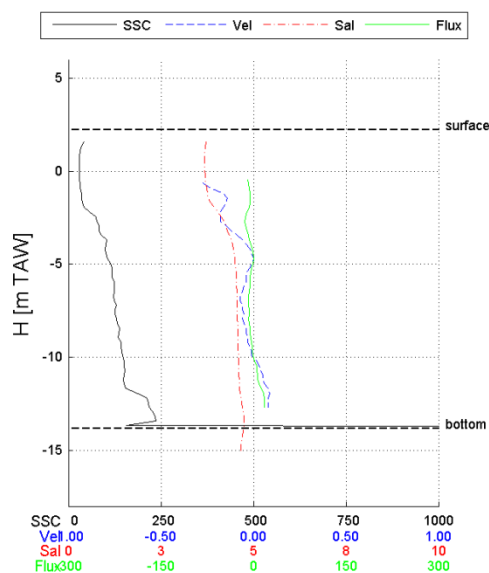
Siltprofiler, ADCP

Sourcefile(s):

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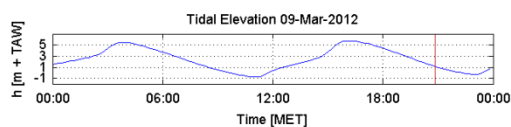
Location:

Deurganckdok Xd



Easting [m UTM31-WGS84] 588583
Northing [m UTM31-WGS84] 5684338
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 194926
Water level [m TAW] 2.23
Water-bottom interface [m TAW] -13.81

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	38.73	-	3.71	-
0.00	30.38	-	3.68	-
-1.50	36.98	-0.14	3.81	-5.30
-3.00	83.13	-0.14	4.27	-11.84
-4.50	103.03	-0.01	4.48	-0.46
-6.00	124.20	-0.04	4.54	-5.40
-7.50	125.57	-0.06	4.56	-6.89
-9.00	136.63	-0.03	4.59	-4.33
-10.50	151.31	0.03	4.60	5.44
-12.00	194.48	0.09	4.65	16.96
-13.50	212.47	-	4.75	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.7 Location Xe

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

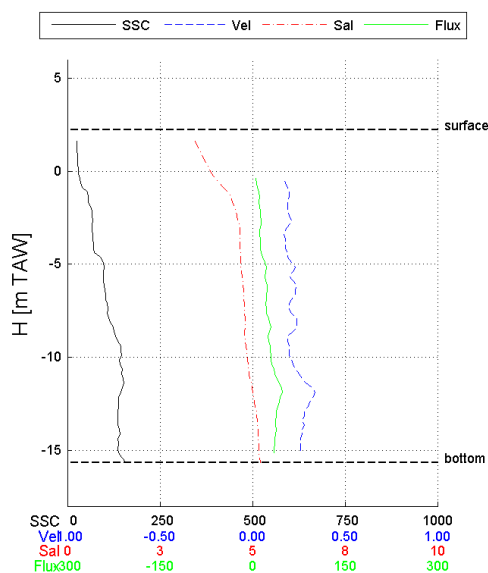
Siltprofiler, ADCP

Sourcefile(s):

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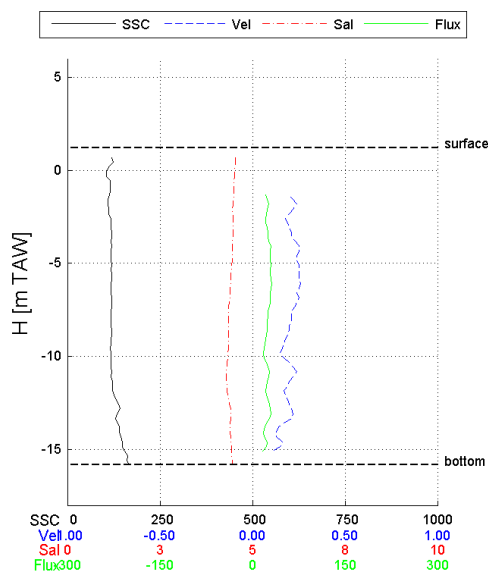
Location:

Deurganckdok Xe



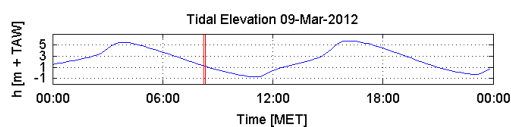
Easting [m UTM31-WGS84] 588653
Northing [m UTM31-WGS84] 5684430
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 071837
Water level [m TAW] 2.23
Water-bottom interface [m TAW] -15.67

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	25.49	-	3.48	-
0.00	29.45	-	3.88	-
-1.50	56.91	0.19	4.44	11.00
-3.00	67.19	0.19	4.65	12.90
-4.50	81.45	0.19	4.68	15.29
-6.00	97.74	0.23	4.75	22.40
-7.50	109.02	0.20	4.79	22.53
-9.00	132.87	0.19	4.80	25.60
-10.50	145.92	0.23	4.89	33.05
-12.00	141.36	0.34	5.02	47.14
-13.50	136.68	0.27	5.13	37.52
-15.00	137.47	0.26	5.17	35.48
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588666
Northing [m UTM31-WGS84] 5684445
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 081514
Water level [m TAW] 1.22
Water-bottom interface [m TAW] -15.84

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	106.58	-	4.51	-
-1.50	111.03	0.21	4.48	23.50
-3.00	118.37	0.20	4.48	23.43
-4.50	118.68	0.24	4.45	28.57
-6.00	118.75	0.26	4.41	30.83
-7.50	118.16	0.21	4.35	25.74
-9.00	118.57	0.18	4.35	21.87
-10.50	117.51	0.21	4.31	25.09
-12.00	125.01	0.18	4.33	22.53
-13.50	134.64	0.18	4.40	24.05
-15.00	152.85	0.12	4.43	18.78
-16.50	-	-	-	-
-18.00	-	-	-	-



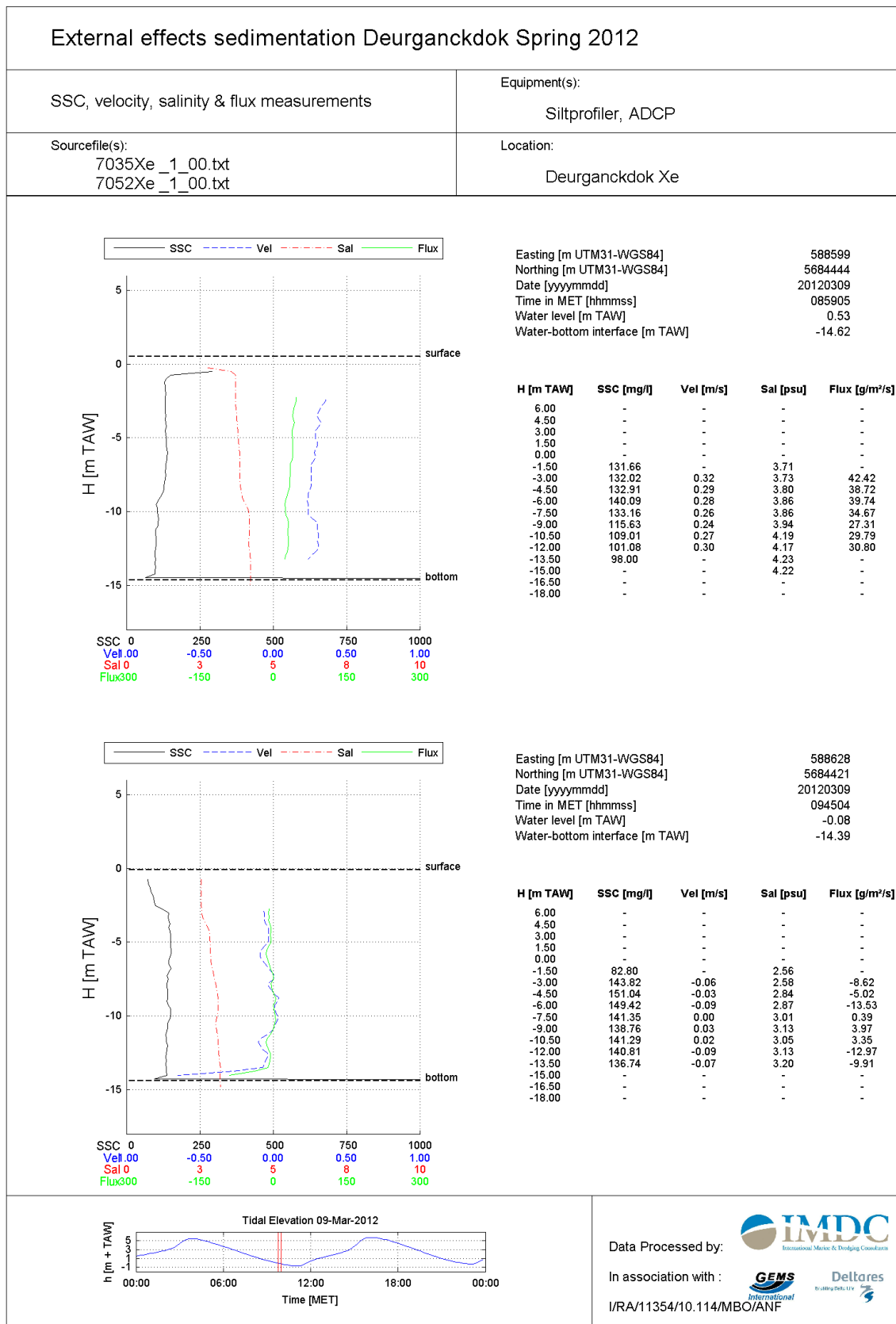
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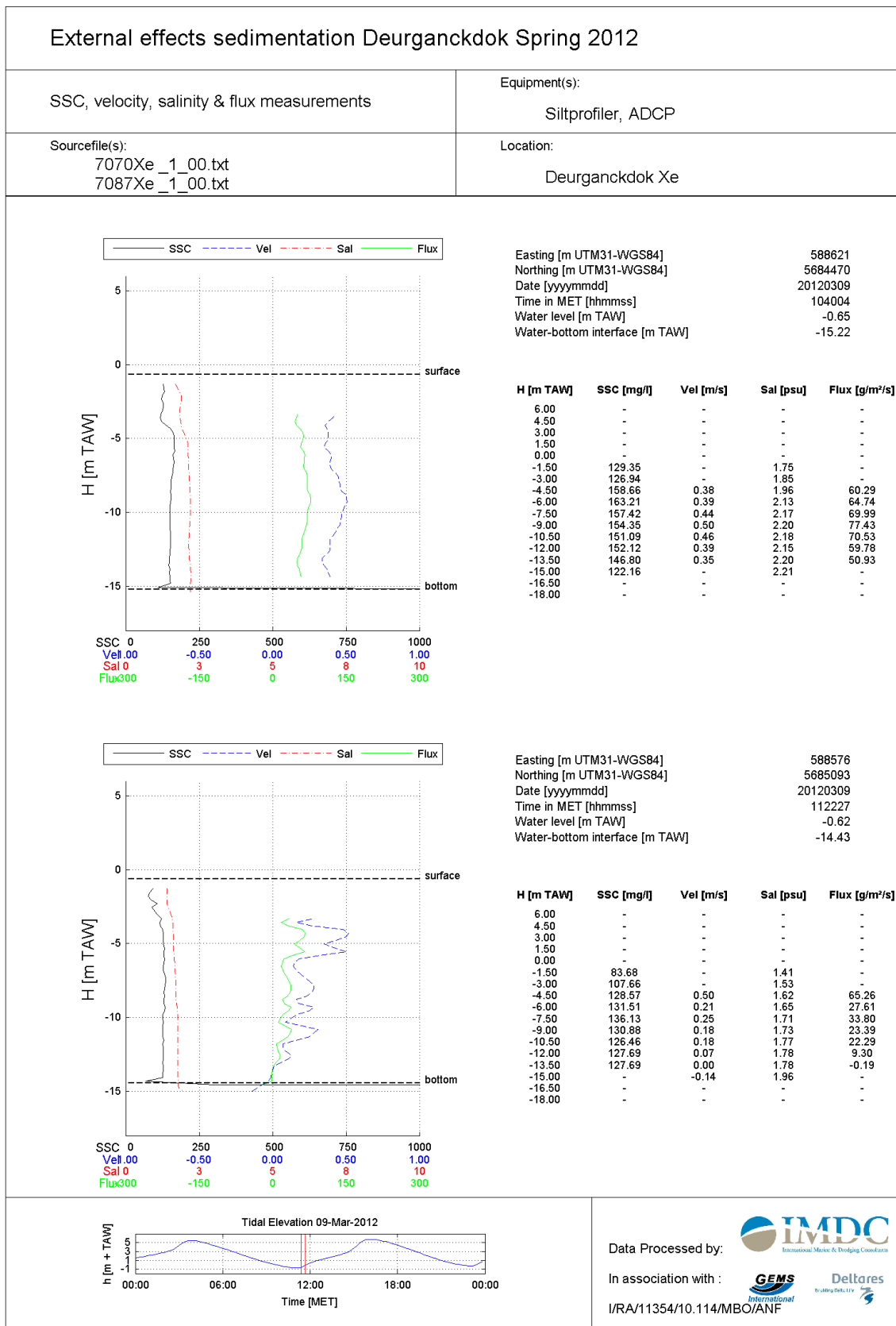


In association with:



I/RA/11354/10.114/MBO/ANF





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

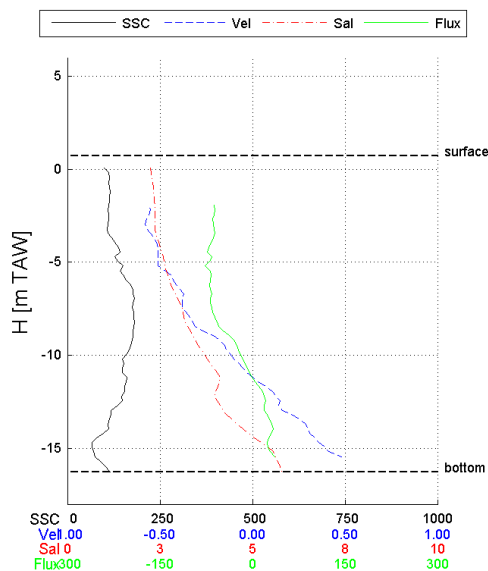
Siltprofiler, ADCP

Sourcefile(s):

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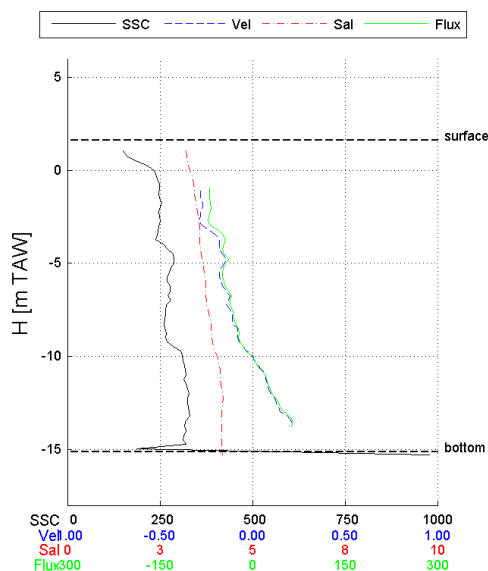
Location:

Deurganckdok Xe



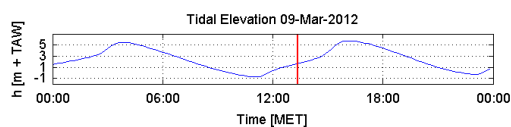
Easting [m UTM31-WGS84] 588689
Northing [m UTM31-WGS84] 5684371
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 121902
Water level [m TAW] 0.71
Water-bottom interface [m TAW] -16.25

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	102.57	-	2.26	-
-1.50	114.24	-	2.34	-
-3.00	109.87	-0.58	2.37	-63.20
-4.50	139.55	-0.51	2.57	-71.64
-6.00	161.75	-0.43	2.77	-68.33
-7.50	176.38	-0.37	3.11	-65.56
-9.00	176.97	-0.20	3.41	-35.67
-10.50	151.43	-0.07	3.89	-10.45
-12.00	153.48	0.11	4.00	17.09
-13.50	112.13	0.26	4.47	28.81
-15.00	67.63	0.40	5.45	26.54
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588611
Northing [m UTM31-WGS84] 5684339
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 132235
Water level [m TAW] 1.64
Water-bottom interface [m TAW] -15.14

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	234.02	-	3.31	-
-1.50	250.64	-0.28	3.45	-69.37
-3.00	246.91	-0.27	3.57	-65.86
-4.50	285.48	-0.16	3.62	-45.67
-6.00	270.62	-0.17	3.73	-45.63
-7.50	265.40	-0.12	3.80	-32.73
-9.00	266.05	-0.08	3.91	-22.16
-10.50	316.45	0.03	4.11	9.29
-12.00	328.84	0.10	4.19	31.94
-13.50	318.94	0.21	4.16	65.34
-15.00	237.54	-	4.18	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

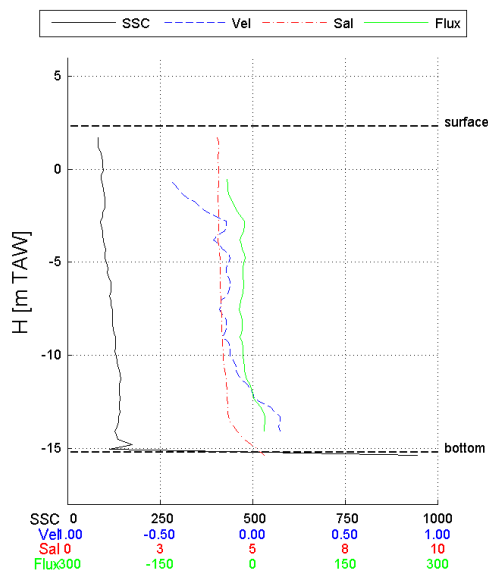
Siltprofiler, ADCP

Sourcefile(s):

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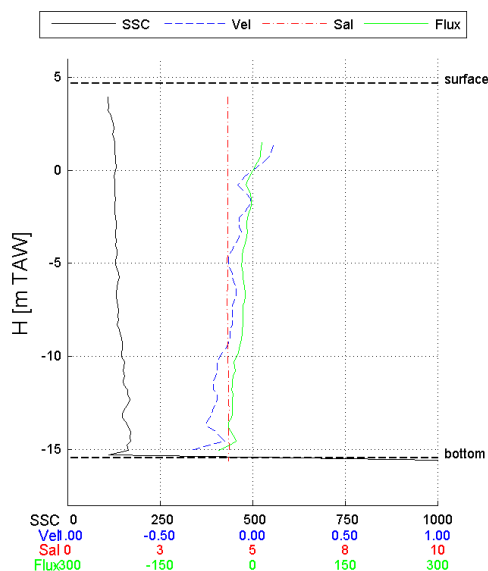
Location:

Deurganckdok Xe



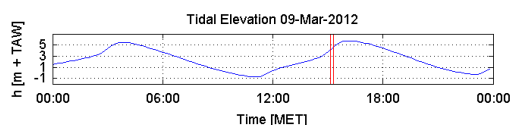
Easting [m UTM31-WGS84] 588639
Northing [m UTM31-WGS84] 5684406
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 140807
Water level [m TAW] 2.32
Water-bottom interface [m TAW] -15.21

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	82.31	-	4.08	-
0.00	97.03	-	4.08	-
-1.50	101.02	-0.36	4.06	-35.89
-3.00	91.70	-0.14	4.09	-13.01
-4.50	101.74	-0.14	4.11	-13.83
-6.00	116.66	-0.12	4.12	-14.28
-7.50	120.58	-0.18	4.15	-21.56
-9.00	129.15	-0.16	4.19	-19.96
-10.50	136.01	-0.09	4.24	-13.02
-12.00	141.24	-0.00	4.31	-0.02
-13.50	138.02	0.15	4.39	20.40
-15.00	125.45	-	5.10	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588640
Northing [m UTM31-WGS84] 5684412
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 151821
Water level [m TAW] 4.67
Water-bottom interface [m TAW] -15.44

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	116.26	-	4.34	-
1.50	127.82	-	4.34	-
0.00	129.50	0.00	4.34	0.40
-1.50	130.52	-0.01	4.34	-1.87
-3.00	132.50	-0.07	4.34	-8.67
-4.50	133.90	-0.13	4.33	-16.70
-6.00	137.44	-0.10	4.33	-14.03
-7.50	137.67	-0.11	4.32	-15.65
-9.00	145.38	-0.12	4.34	-17.70
-10.50	152.90	-0.19	4.35	-28.93
-12.00	163.50	-0.19	4.35	-31.65
-13.50	156.56	-0.25	4.35	-38.35
-15.00	164.41	-0.32	4.37	-52.42
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



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External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

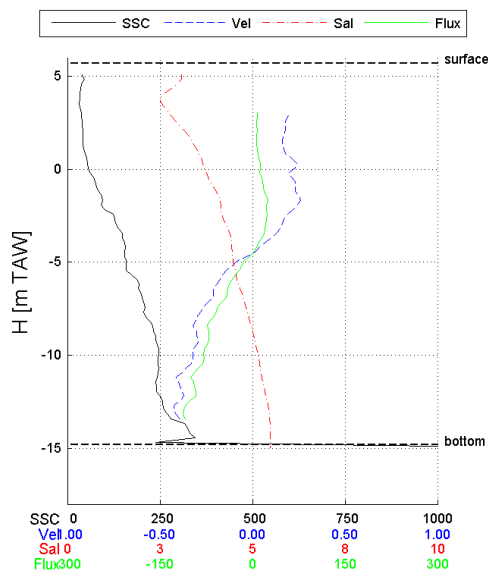
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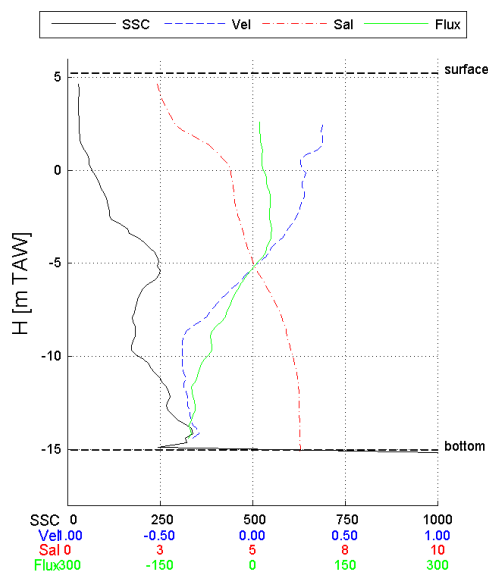
Location:

Deurganckdok Xe



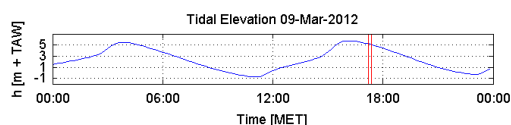
Easting [m UTM31-WGS84] 588624
Northing [m UTM31-WGS84] 5684419
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 162250
Water level [m TAW] 5.70
Water-bottom interface [m TAW] -14.82

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	36.92	-	2.92	-
3.00	37.49	0.20	2.75	7.69
1.50	42.72	0.16	3.38	6.79
0.00	58.16	0.22	3.71	12.60
-1.50	93.19	0.25	4.10	23.50
-3.00	133.31	0.16	4.29	21.16
-4.50	154.27	0.01	4.45	1.52
-6.00	189.77	-0.18	4.60	-34.52
-7.50	208.66	-0.27	4.63	-57.48
-9.00	238.61	-0.30	5.05	-70.50
-10.50	245.64	-0.34	5.21	-83.03
-12.00	243.87	-0.38	5.34	-91.53
-13.50	292.70	-	5.47	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588642
Northing [m UTM31-WGS84] 5684439
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 171327
Water level [m TAW] 5.19
Water-bottom interface [m TAW] -15.06

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	30.82	-	2.44	-
3.00	30.69	-	2.77	-
1.50	36.51	0.38	3.70	13.82
0.00	66.43	0.28	4.41	18.36
-1.50	105.77	0.28	4.50	29.08
-3.00	151.88	0.20	4.70	30.97
-4.50	239.71	0.08	4.94	19.78
-6.00	228.21	-0.07	5.31	-16.81
-7.50	181.85	-0.22	5.71	-39.96
-9.00	181.09	-0.37	5.96	-68.16
-10.50	222.85	-0.38	6.15	-84.11
-12.00	275.13	-0.36	6.25	-97.47
-13.50	306.53	-0.33	6.28	-100.66
-15.00	554.98	-	6.30	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



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External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

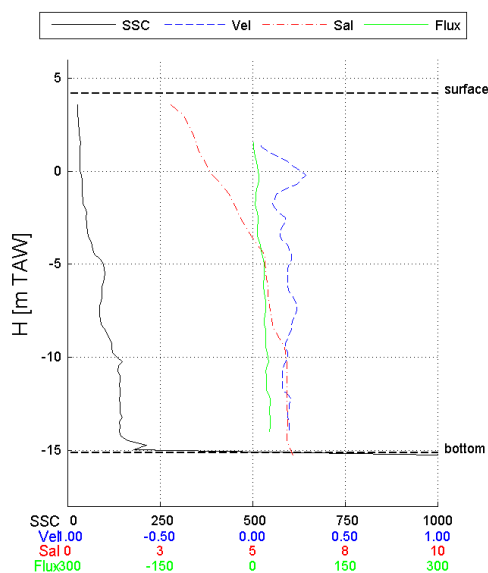
Siltprofiler, ADCP

Sourcefile(s):

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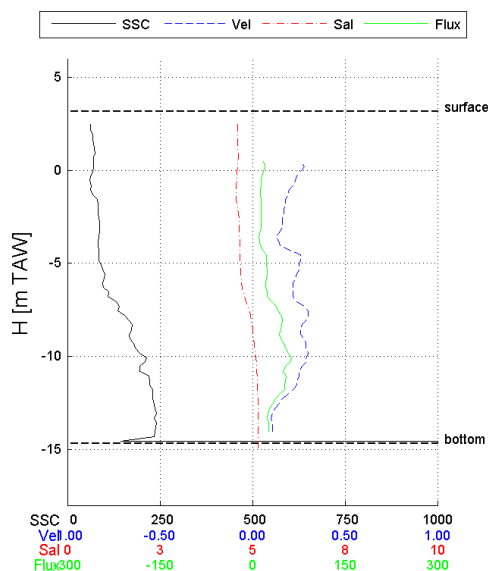
Location:

Deurganckdok Xe



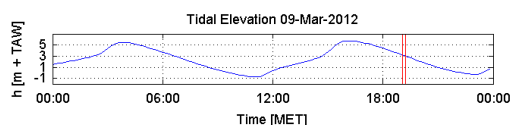
Easting [m UTM31-WGS84] 588639
Northing [m UTM31-WGS84] 5684428
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 181254
Water level [m TAW] 4.19
Water-bottom interface [m TAW] -15.14

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	28.54	-	3.13	-
1.50	34.69	0.04	3.47	1.33
0.00	34.63	0.26	3.86	8.93
-1.50	41.58	0.12	4.43	4.99
-3.00	52.77	0.16	4.82	8.51
-4.50	75.85	0.21	5.31	15.97
-6.00	97.09	0.19	5.39	18.31
-7.50	87.72	0.24	5.48	20.79
-9.00	113.87	0.19	5.74	21.22
-10.50	138.86	0.17	5.94	23.29
-12.00	142.14	0.19	5.93	26.67
-13.50	141.41	0.20	5.95	28.41
-15.00	238.08	-	6.03	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588629
Northing [m UTM31-WGS84] 5684426
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 190430
Water level [m TAW] 3.17
Water-bottom interface [m TAW] -14.68

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	69.89	-	4.61	-
0.00	69.57	0.26	4.59	18.32
-1.50	77.87	0.18	4.55	14.18
-3.00	87.49	0.16	4.65	13.72
-4.50	84.88	0.25	4.67	21.16
-6.00	96.86	0.22	4.71	21.60
-7.50	136.97	0.30	4.91	40.47
-9.00	168.75	0.28	5.04	45.98
-10.50	198.53	0.27	5.12	54.58
-12.00	229.79	0.20	5.14	45.35
-13.50	240.31	0.11	5.16	25.68
-15.00	-	-	5.14	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

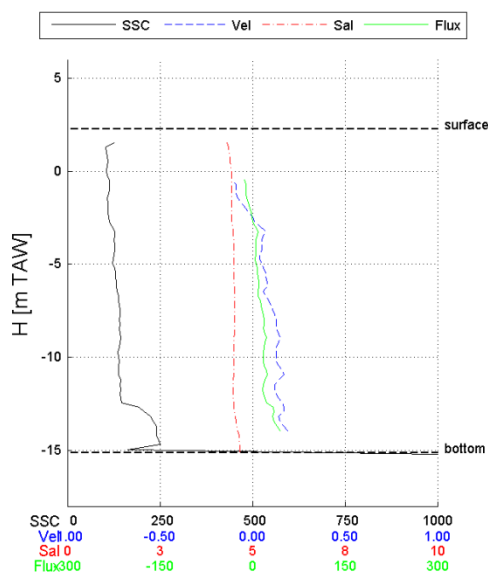
Siltprofiler, ADCP

Sourcefile(s):

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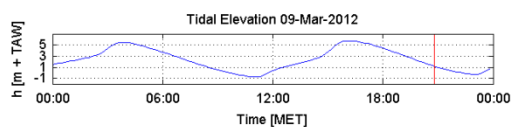
Location:

Deurganckdok Xe



Easting [m UTM31-WGS84] 588639
Northing [m UTM31-WGS84] 5684432
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 194743
Water level [m TAW] 2.27
Water-bottom interface [m TAW] -15.11

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	121.68	-	4.33	-
0.00	106.33	-	4.43	-
-1.50	108.28	-0.08	4.43	-8.65
-3.00	121.10	0.05	4.45	5.64
-4.50	125.72	0.04	4.50	4.97
-6.00	131.24	0.08	4.50	10.43
-7.50	142.03	0.11	4.52	16.09
-9.00	143.80	0.15	4.50	21.97
-10.50	137.67	0.14	4.49	19.97
-12.00	142.64	0.13	4.48	18.31
-13.50	234.11	0.15	4.57	35.88
-15.00	338.79	-	4.67	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MB0/ANF

C.8 Location Ya

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

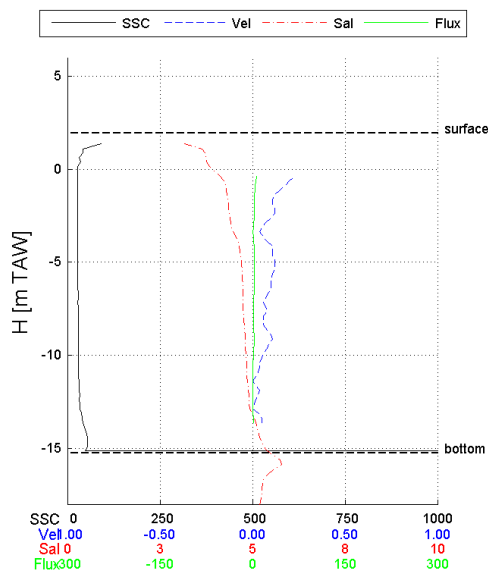
Siltprofiler, ADCP

Sourcefile(s):

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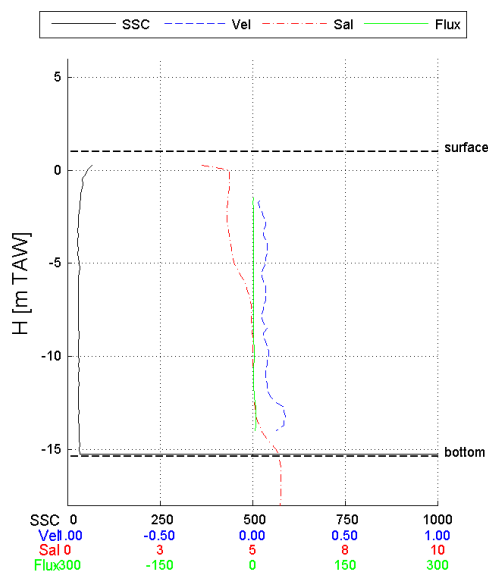
Location:

Deurganckdok Ya



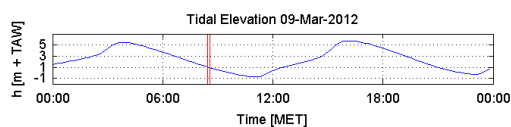
Easting [m UTM31-WGS84] 588541
Northing [m UTM31-WGS84] 5684055
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 073411
Water level [m TAW] 1.95
Water-bottom interface [m TAW] -15.24

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.19	-	3.92	-
-1.50	28.12	0.11	4.33	3.25
-3.00	27.49	0.06	4.42	1.56
-4.50	28.40	0.11	4.68	3.15
-6.00	28.60	0.10	4.74	2.92
-7.50	28.81	0.07	4.75	2.16
-9.00	29.14	0.10	4.80	3.05
-10.50	29.55	0.04	4.84	1.12
-12.00	32.88	0.04	4.89	1.13
-13.50	40.54	0.05	5.08	1.89
-15.00	50.85	-	5.35	-
-16.50	-	-	5.37	-
-18.00	-	-	5.21	-



Easting [m UTM31-WGS84] 588516
Northing [m UTM31-WGS84] 5684017
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 082722
Water level [m TAW] 1.02
Water-bottom interface [m TAW] -15.36

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	53.51	-	4.36	-
-1.50	35.28	0.05	4.34	1.61
-3.00	30.28	0.07	4.33	2.03
-4.50	28.16	0.08	4.46	2.14
-6.00	30.00	0.06	4.79	1.79
-7.50	29.36	0.06	4.96	1.68
-9.00	30.81	0.06	5.00	1.79
-10.50	30.54	0.08	5.02	2.28
-12.00	29.38	0.09	5.05	2.68
-13.50	30.87	0.17	5.15	5.34
-15.00	32.08	-	5.64	-
-16.50	-	-	5.77	-
-18.00	-	-	5.75	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

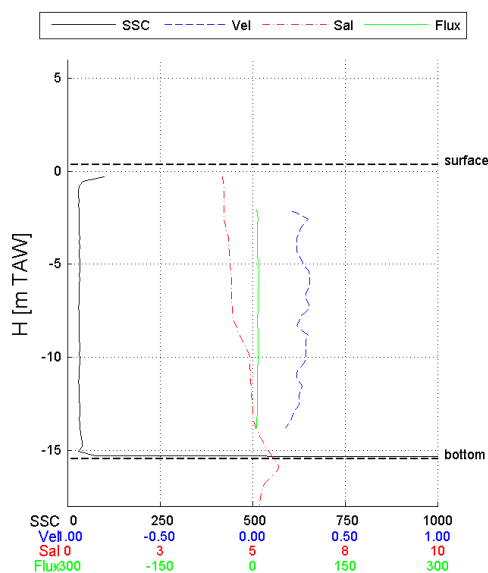
Siltprofiler, ADCP

Sourcefile(s):

7040Ya_1_00.txt
7057Ya_1_00.txt

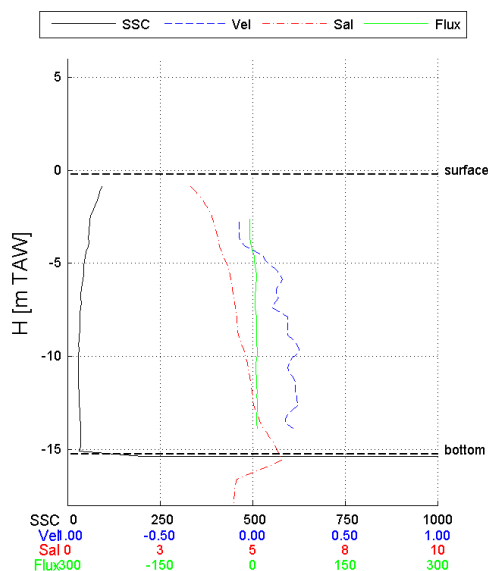
Location:

Deurganckdok Ya



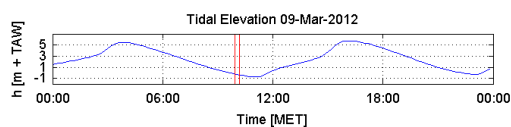
Easting [m UTM31-WGS84] 588525
Northing [m UTM31-WGS84] 5684023
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 091038
Water level [m TAW] 0.36
Water-bottom interface [m TAW] -15.44

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	31.40	-	4.23	-
-3.00	31.31	0.26	4.28	8.33
-4.50	32.20	0.25	4.38	7.95
-6.00	32.31	0.31	4.44	9.91
-7.50	30.99	0.29	4.46	9.10
-9.00	31.60	0.29	4.72	9.23
-10.50	31.99	0.26	4.93	8.37
-12.00	31.64	0.25	4.97	8.05
-13.50	33.87	0.20	5.05	6.89
-15.00	32.05	-	5.42	-
-16.50	-	-	5.47	-
-18.00	-	-	5.18	-



Easting [m UTM31-WGS84] 588537
Northing [m UTM31-WGS84] 5684028
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 095524
Water level [m TAW] -0.20
Water-bottom interface [m TAW] -15.23

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	83.04	-	3.61	-
-3.00	59.35	-0.07	3.99	-4.03
-4.50	49.40	0.04	4.20	2.00
-6.00	40.74	0.15	4.43	6.15
-7.50	34.98	0.13	4.55	4.45
-9.00	31.82	0.21	4.66	6.58
-10.50	29.51	0.19	4.88	5.67
-12.00	31.20	0.24	4.99	7.33
-13.50	34.64	0.18	5.20	6.34
-15.00	32.87	-	5.66	-
-16.50	-	-	4.70	-
-18.00	-	-	4.49	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

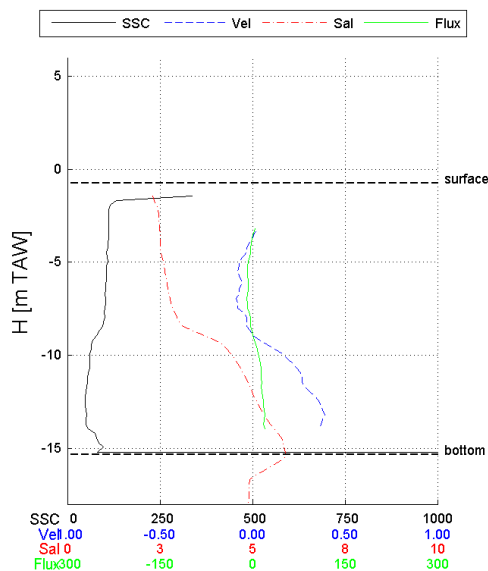
Siltprofiler, ADCP

Sourcefile(s):

7075Ya_1_00.txt
7092Ya_1_00.txt

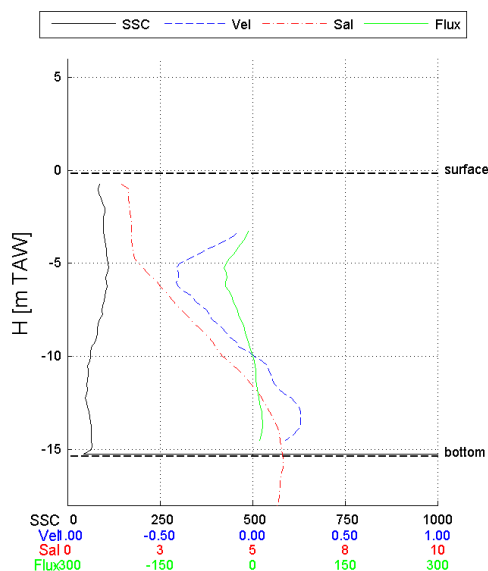
Location:

Deurganckdok Ya



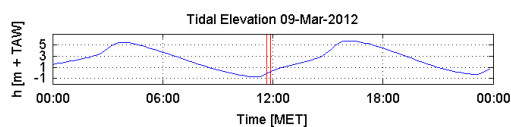
Easting [m UTM31-WGS84] 588526
Northing [m UTM31-WGS84] 5684030
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 105122
Water level [m TAW] -0.73
Water-bottom interface [m TAW] -15.32

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	279.76	-	2.32	-
-3.00	110.93	-	2.48	-
-4.50	105.99	-0.03	2.54	-3.73
-6.00	105.03	-0.06	2.67	-6.67
-7.50	101.67	-0.07	2.84	-7.46
-9.00	76.33	0.01	3.76	1.01
-10.50	60.29	0.23	4.63	13.62
-12.00	49.84	0.32	5.00	15.73
-13.50	50.65	0.38	5.41	19.16
-15.00	92.07	-	5.87	-
-16.50	-	-	5.05	-
-18.00	-	-	4.89	-



Easting [m UTM31-WGS84] 588511
Northing [m UTM31-WGS84] 5684019
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 114106
Water level [m TAW] -0.16
Water-bottom interface [m TAW] -15.38

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	90.70	-	1.65	-
-3.00	97.37	-	1.73	-
-4.50	104.66	-0.29	1.79	-30.87
-6.00	106.61	-0.41	2.42	-44.06
-7.50	93.54	-0.25	3.08	-23.70
-9.00	77.86	-0.12	3.82	-9.23
-10.50	55.19	0.08	4.48	4.16
-12.00	52.95	0.17	5.17	9.16
-13.50	61.87	0.26	5.60	16.13
-15.00	65.43	-	5.78	-
-16.50	-	-	5.77	-
-18.00	-	-	5.68	-



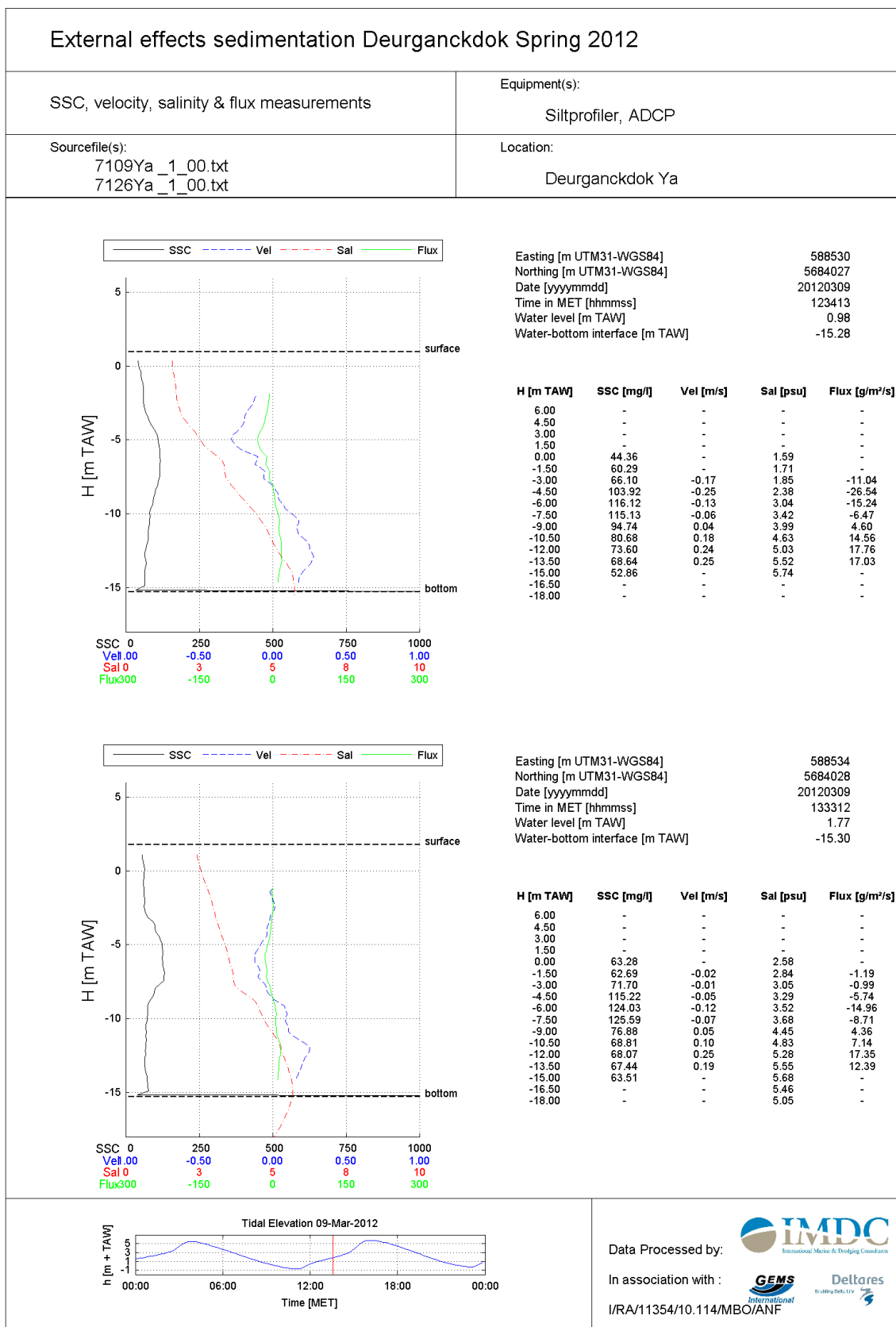
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

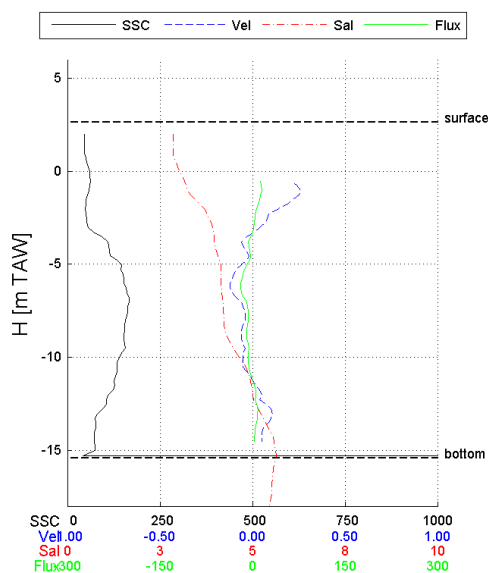
Siltprofiler, ADCP

Sourcefile(s):

7143Ya_1_00.txt
7161Ya_1_00.txt

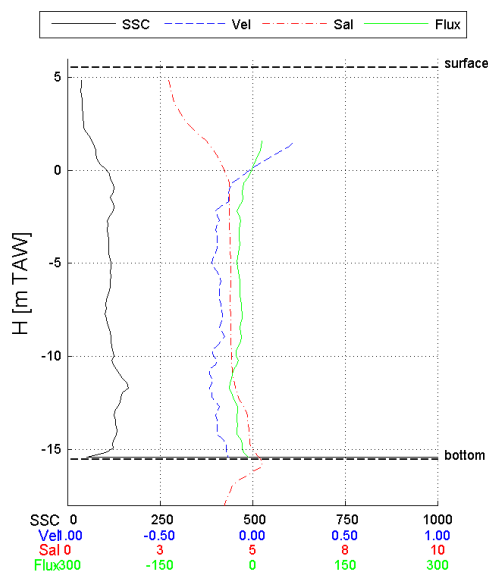
Location:

Deurganckdok Ya



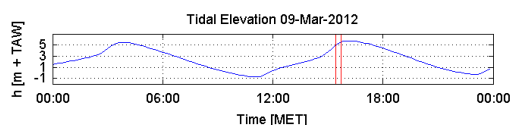
Easting [m UTM31-WGS84] 588539
Northing [m UTM31-WGS84] 5684032
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 142503
Water level [m TAW] 2.65
Water-bottom interface [m TAW] -15.40

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	46.66	-	2.86	-
0.00	60.90	-	3.05	-
-1.50	51.02	0.22	3.44	11.50
-3.00	55.92	0.04	3.93	2.20
-4.50	115.83	-0.02	4.06	-2.86
-6.00	152.60	-0.12	4.15	-18.32
-7.50	162.14	-0.04	4.22	-7.30
-9.00	153.11	-0.06	4.35	-9.05
-10.50	133.49	-0.05	4.82	-6.23
-12.00	111.19	0.05	5.02	5.11
-13.50	76.09	0.09	5.36	6.54
-15.00	74.58	-	5.62	-
-16.50	-	-	5.54	-
-18.00	-	-	5.46	-



Easting [m UTM31-WGS84] 588533
Northing [m UTM31-WGS84] 5684015
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 154242
Water level [m TAW] 5.53
Water-bottom interface [m TAW] -15.55

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	36.83	-	2.78	-
3.00	41.25	-	3.08	-
1.50	67.90	0.22	3.78	15.08
0.00	106.07	-0.02	4.24	-1.91
-1.50	117.38	-0.13	4.37	-15.74
-3.00	108.53	-0.19	4.38	-20.86
-4.50	112.34	-0.20	4.40	-23.06
-6.00	115.71	-0.17	4.41	-19.96
-7.50	104.12	-0.17	4.40	-17.30
-9.00	117.45	-0.16	4.41	-18.48
-10.50	125.89	-0.21	4.44	-26.22
-12.00	147.64	-0.22	4.59	-32.78
-13.50	130.67	-0.19	4.88	-24.96
-15.00	118.36	-0.14	5.01	-16.10
-16.50	-	-	4.75	-
-18.00	-	-	4.25	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

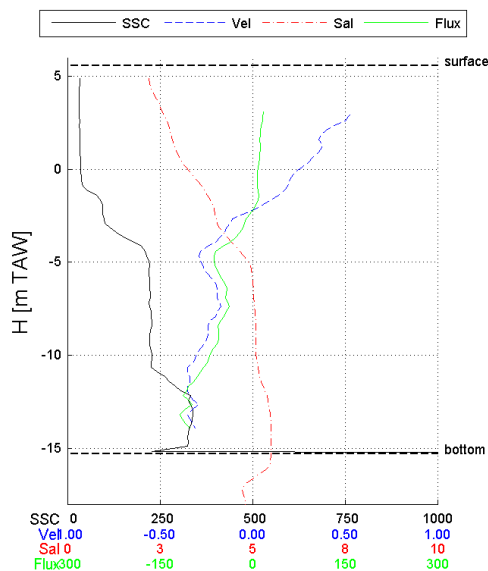
Siltprofiler, ADCP

Sourcefile(s):

7178Ya_1_00.txt
7195Ya_1_00.txt

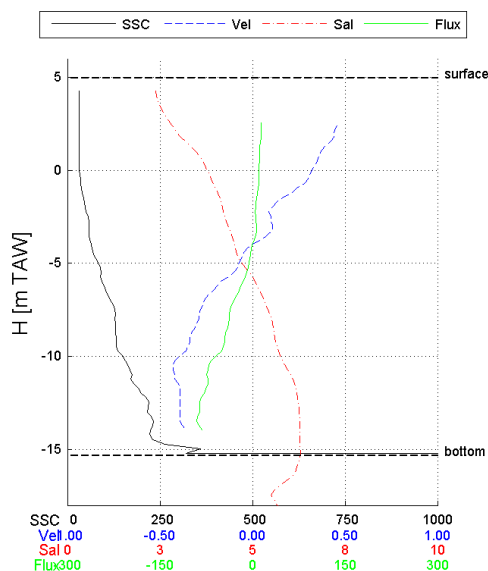
Location:

Deurganckdok Ya



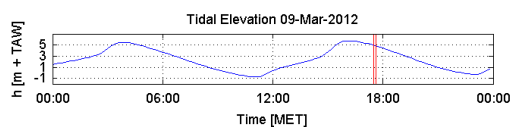
Easting [m UTM31-WGS84] 588542
Northing [m UTM31-WGS84] 5684051
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 163736
Water level [m TAW] 5.58
Water-bottom interface [m TAW] -15.28

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	32.77	-	2.24	-
3.00	32.70	0.53	2.59	17.38
1.50	33.59	0.37	2.85	12.42
0.00	36.18	0.25	3.25	9.14
-1.50	82.64	0.12	3.82	10.30
-3.00	108.29	-0.13	4.07	-13.87
-4.50	211.35	-0.28	4.70	-60.18
-6.00	222.43	-0.21	5.01	-47.54
-7.50	223.66	-0.18	5.06	-39.86
-9.00	222.89	-0.24	5.09	-54.46
-10.50	226.20	-0.33	5.14	-75.82
-12.00	317.48	-0.35	5.36	-109.35
-13.50	336.59	-0.33	5.50	-111.69
-15.00	287.99	-	5.51	-
-16.50	-	-	5.10	-
-18.00	-	-	4.80	-



Easting [m UTM31-WGS84] 588549
Northing [m UTM31-WGS84] 5684002
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 172918
Water level [m TAW] 4.95
Water-bottom interface [m TAW] -15.34

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	32.19	-	2.62	-
1.50	31.30	0.41	3.22	12.90
0.00	32.62	0.32	3.78	10.54
-1.50	43.57	0.16	4.12	6.98
-3.00	57.93	0.11	4.35	6.53
-4.50	70.49	-0.05	4.68	-3.24
-6.00	94.15	-0.17	5.08	-15.99
-7.50	128.10	-0.28	5.42	-36.54
-9.00	132.77	-0.34	5.60	-45.19
-10.50	164.49	-0.43	5.88	-70.48
-12.00	200.71	-0.39	6.19	-78.68
-13.50	232.61	-0.39	6.29	-89.39
-15.00	353.80	-	6.30	-
-16.50	-	-	6.02	-
-18.00	-	-	5.68	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

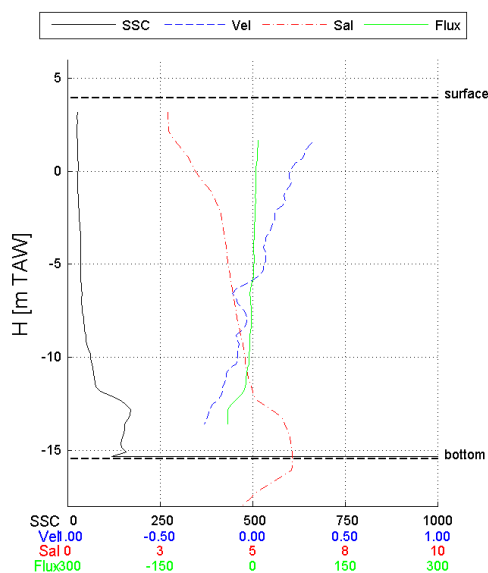
Siltprofiler, ADCP

Sourcefile(s):

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7229Ya_1_00.txt

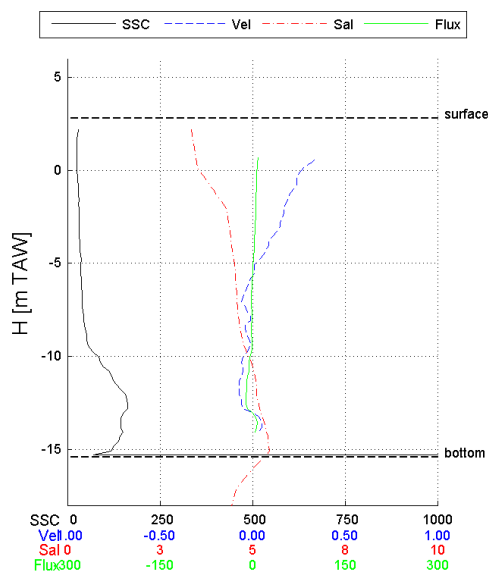
Location:

Deurganckdok Ya



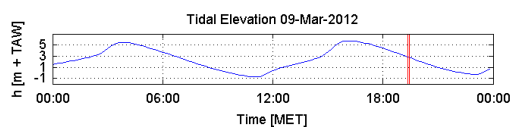
Easting [m UTM31-WGS84] 588520
Northing [m UTM31-WGS84] 5684020
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 182512
Water level [m TAW] 3.96
Water-bottom interface [m TAW] -15.46

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	26.20	-	2.72	-
1.50	27.51	0.32	2.97	8.82
0.00	28.68	0.20	3.47	5.81
-1.50	29.47	0.18	3.98	5.14
-3.00	33.52	0.10	4.21	3.46
-4.50	36.16	0.07	4.32	2.62
-6.00	37.08	-0.03	4.43	-1.11
-7.50	40.11	-0.05	4.54	-1.87
-9.00	50.54	-0.08	4.71	-4.29
-10.50	68.24	-0.11	4.82	-7.44
-12.00	109.25	-0.17	5.03	-18.59
-13.50	156.87	-0.26	5.85	-39.86
-15.00	154.38	-	6.07	-
-16.50	-	-	5.71	-
-18.00	-	-	4.71	-



Easting [m UTM31-WGS84] 588542
Northing [m UTM31-WGS84] 5684007
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 192219
Water level [m TAW] 2.80
Water-bottom interface [m TAW] -15.42

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	26.37	-	3.41	-
0.00	25.58	0.26	3.57	6.82
-1.50	31.12	0.19	4.10	5.87
-3.00	32.24	0.15	4.37	4.79
-4.50	36.17	0.06	4.47	2.18
-6.00	37.23	-0.02	4.55	-0.65
-7.50	41.71	-0.03	4.61	-1.28
-9.00	52.60	-0.02	4.72	-1.24
-10.50	94.79	-0.05	4.99	-5.21
-12.00	154.14	-0.07	5.12	-10.07
-13.50	144.16	0.05	5.30	7.52
-15.00	120.95	-	5.45	-
-16.50	-	-	4.80	-
-18.00	-	-	4.45	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

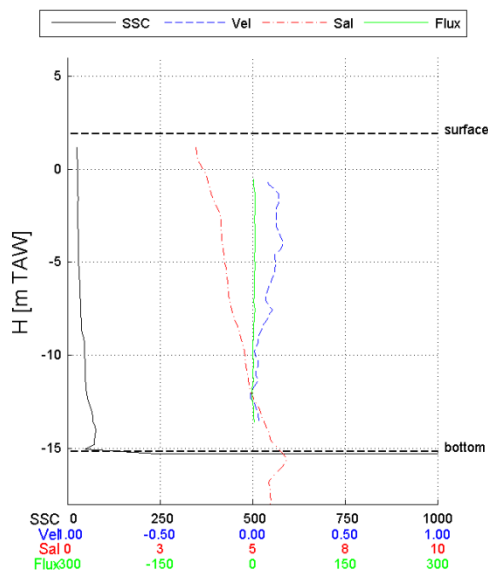
Siltprofiler, ADCP

Sourcefile(s):

7248Ya_1_00.txt

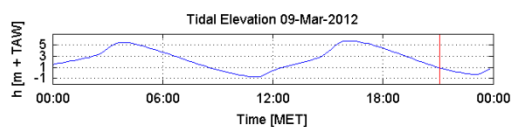
Location:

Deurganckdok Ya



Easting [m UTM31-WGS84] 588517
Northing [m UTM31-WGS84] 5684004
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 200620
Water level [m TAW] 1.91
Water-bottom interface [m TAW] -15.18

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	27.24	-	3.66	-
-1.50	28.76	0.14	3.93	4.02
-3.00	28.47	0.13	4.15	3.76
-4.50	30.03	0.13	4.22	3.86
-6.00	33.45	0.10	4.33	3.44
-7.50	35.17	0.11	4.43	3.80
-9.00	43.43	0.03	4.68	1.56
-10.50	47.74	0.03	4.83	1.29
-12.00	52.05	-0.01	4.96	-0.44
-13.50	68.77	0.04	5.30	2.64
-15.00	54.33	-	5.68	-
-16.50	-	-	5.55	-
-18.00	-	-	5.48	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.9 Location Yb

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

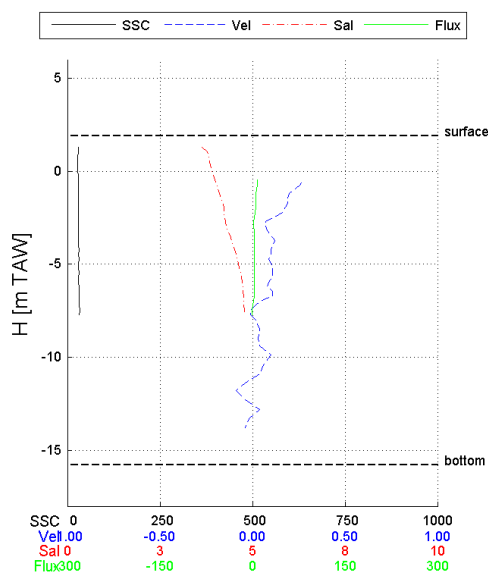
Siltprofiler, ADCP

Sourcefile(s):

7007Yb_1_00.txt
7024Yb_1_00.txt

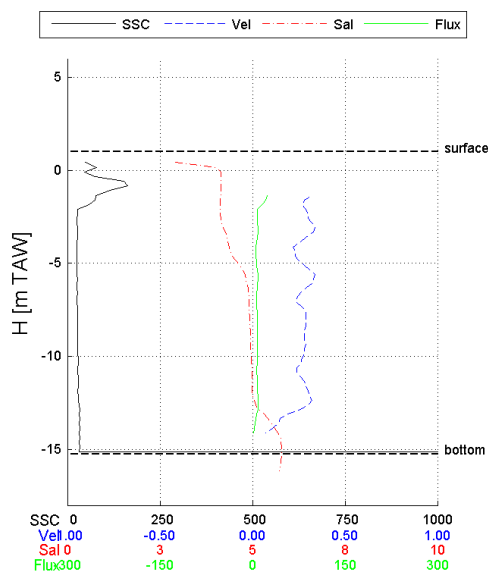
Location:

Deurganckdok Yb



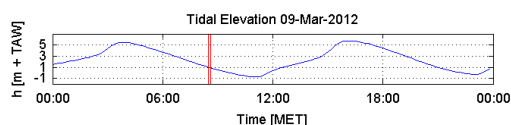
Easting [m UTM31-WGS84] 588572
Northing [m UTM31-WGS84] 5684084
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 073605
Water level [m TAW] 1.91
Water-bottom interface [m TAW] -15.79

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.35	-	3.91	-
-1.50	30.06	0.19	4.16	5.62
-3.00	29.47	0.07	4.31	2.20
-4.50	30.63	0.10	4.57	2.89
-6.00	30.57	0.09	4.73	2.65
-7.50	33.35	-0.01	4.78	-0.32
-9.00	-	0.03	-	-
-10.50	-	0.06	-	-
-12.00	-	-0.07	-	-
-13.50	-	-0.03	-	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588567
Northing [m UTM31-WGS84] 5684103
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 082908
Water level [m TAW] 0.99
Water-bottom interface [m TAW] -15.23

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	58.76	-	4.09	-
-1.50	75.07	0.29	4.13	22.31
-3.00	26.60	0.33	4.21	8.86
-4.50	25.29	0.23	4.44	5.76
-6.00	26.27	0.32	4.84	8.53
-7.50	26.64	0.28	4.91	7.49
-9.00	27.71	0.28	4.94	7.84
-10.50	28.28	0.25	4.98	7.10
-12.00	28.41	0.31	5.00	8.72
-13.50	32.33	0.14	5.48	4.71
-15.00	32.75	-	5.79	-
-16.50	-	-	-	-
-18.00	-	-	-	-



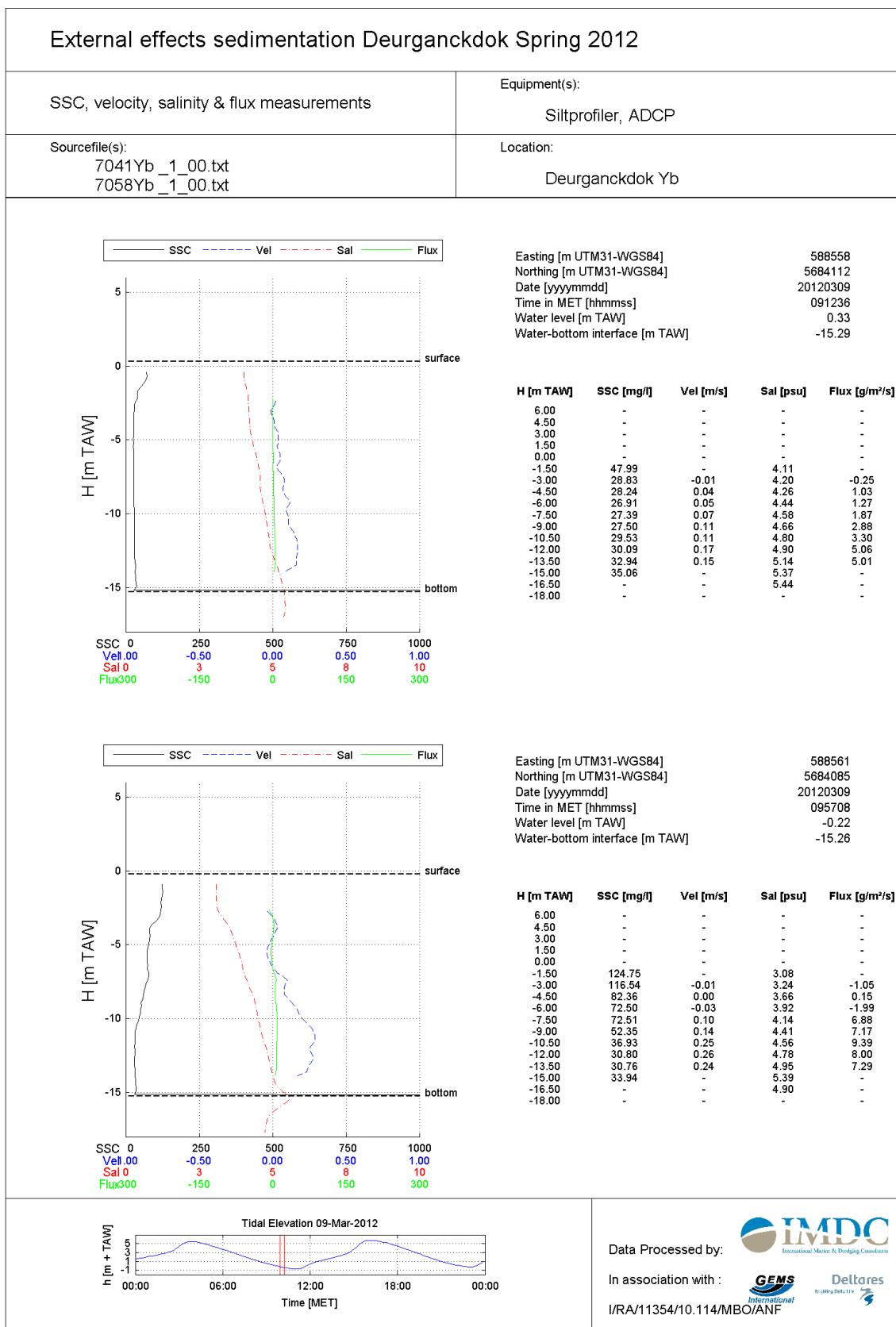
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

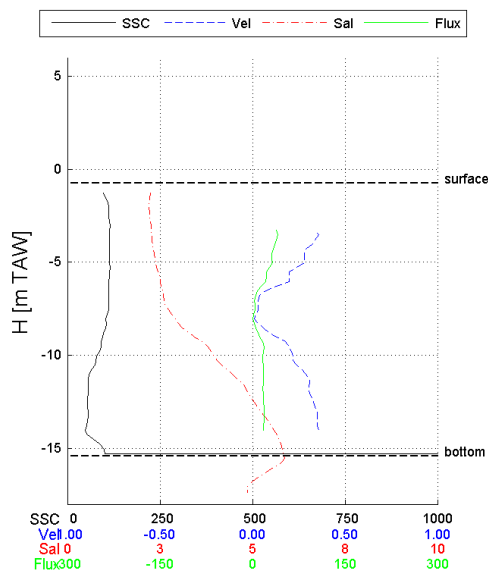
Siltprofiler, ADCP

Sourcefile(s):

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7093Yb_1_00.txt

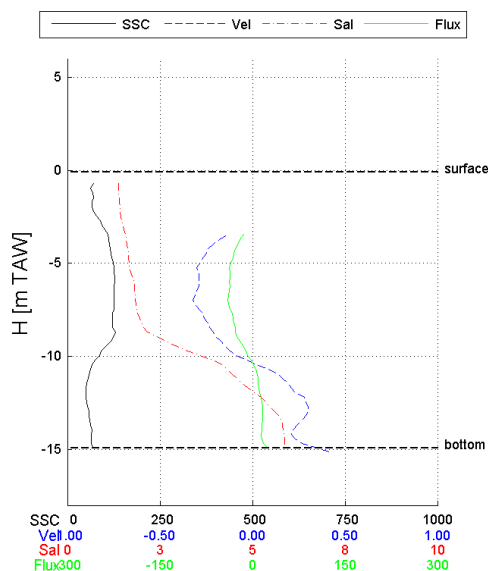
Location:

Deurganckdok Yb



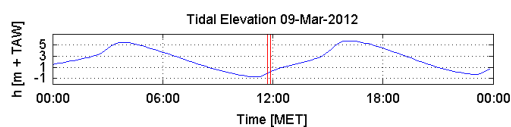
Easting [m UTM31-WGS84] 588564
Northing [m UTM31-WGS84] 5684089
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 105248
Water level [m TAW] -0.73
Water-bottom interface [m TAW] -15.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	103.38	-	2.23	-
-3.00	114.63	-	2.26	-
-4.50	113.21	0.28	2.34	31.54
-6.00	111.63	0.20	2.51	22.16
-7.50	111.65	0.03	2.72	3.85
-9.00	95.10	0.13	3.43	12.07
-10.50	74.42	0.24	4.15	17.92
-12.00	55.65	0.31	4.88	17.36
-13.50	54.65	0.35	5.42	19.25
-15.00	98.25	-	5.80	-
-16.50	-	-	5.20	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588577
Northing [m UTM31-WGS84] 5684102
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 114259
Water level [m TAW] -0.11
Water-bottom interface [m TAW] -14.94

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	70.72	-	1.40	-
-3.00	95.29	-	1.51	-
-4.50	117.86	-0.25	1.64	-30.11
-6.00	128.03	-0.29	1.79	-37.13
-7.50	125.52	-0.29	1.88	-35.53
-9.00	122.74	-0.19	2.48	-23.56
-10.50	65.48	0.04	4.21	2.37
-12.00	50.43	0.24	5.09	12.18
-13.50	60.84	0.26	5.79	16.00
-15.00	-	0.37	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

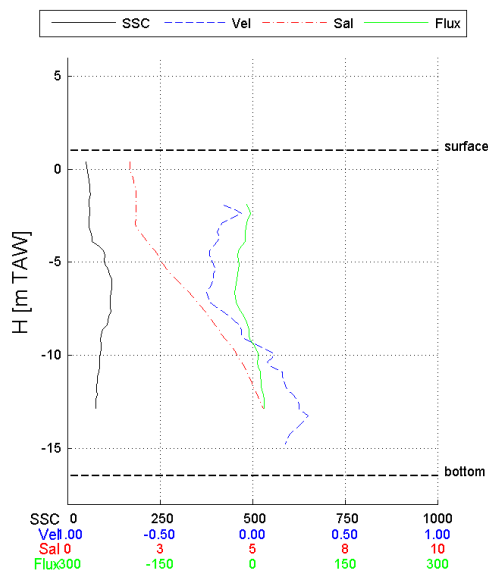
Siltprofiler, ADCP

Sourcefile(s):

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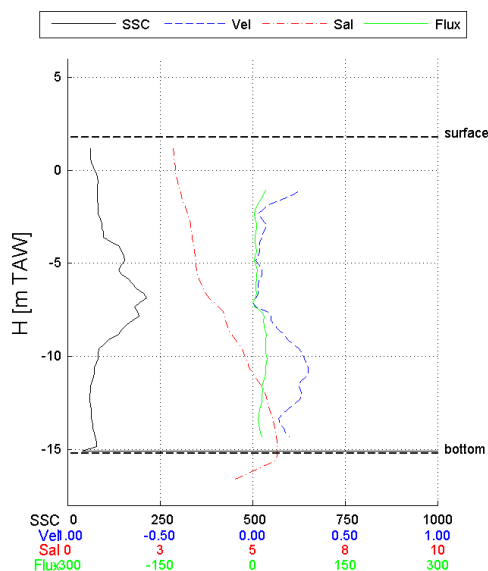
Location:

Deurganckdok Yb



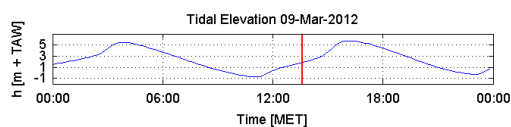
Easting [m UTM31-WGS84] 588572
Northing [m UTM31-WGS84] 5684074
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 123623
Water level [m TAW] 1.01
Water-bottom interface [m TAW] -16.46

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	53.56	-	1.71	-
-1.50	60.12	-	1.85	-
-3.00	57.89	-0.17	1.85	-9.76
-4.50	99.43	-0.23	2.40	-22.94
-6.00	119.99	-0.22	2.98	-25.97
-7.50	116.21	-0.18	3.67	-20.51
-9.00	90.09	-0.05	4.23	-4.94
-10.50	86.89	0.09	4.75	8.25
-12.00	79.48	0.21	5.10	16.28
-13.50	-	0.28	-	-
-15.00	-	-	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588603
Northing [m UTM31-WGS84] 5684107
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 133455
Water level [m TAW] 1.79
Water-bottom interface [m TAW] -15.21

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	74.88	-	2.92	-
-1.50	80.65	0.17	3.10	14.12
-3.00	93.44	0.07	3.33	6.49
-4.50	150.98	0.03	3.45	4.98
-6.00	172.27	0.03	3.59	6.12
-7.50	187.08	0.06	4.17	10.78
-9.00	121.11	0.18	4.51	21.98
-10.50	75.13	0.30	4.89	22.38
-12.00	60.25	0.27	5.34	16.00
-13.50	67.02	0.15	5.57	9.67
-15.00	53.84	-	5.67	-
-16.50	-	-	4.64	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

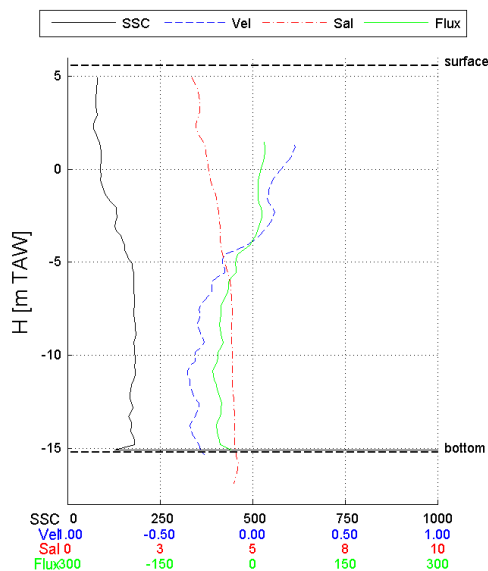
Siltprofiler, ADCP

Sourcefile(s):

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7179Yb_1_00.txt

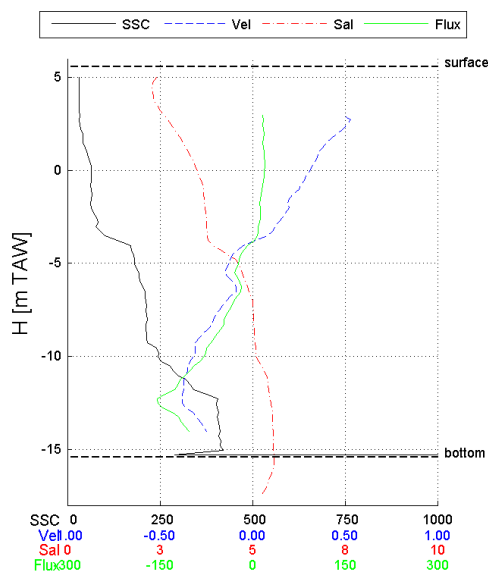
Location:

Deurganckdok Yb



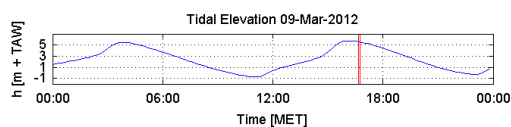
Easting [m UTM31-WGS84] 588585
Northing [m UTM31-WGS84] 5684106
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 154600
Water level [m TAW] 5.59
Water-bottom interface [m TAW] -15.20

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	79.57	-	3.49	-
3.00	79.49	-	3.56	-
1.50	85.49	-	3.65	-
0.00	88.55	0.16	3.82	13.73
-1.50	107.79	0.08	4.02	8.73
-3.00	128.42	0.09	4.12	11.39
-4.50	159.40	-0.14	4.19	-21.67
-6.00	180.01	-0.21	4.39	-37.95
-7.50	179.23	-0.29	4.45	-51.10
-9.00	184.42	-0.27	4.44	-49.93
-10.50	181.75	-0.33	4.46	-59.67
-12.00	170.48	-0.32	4.48	-55.12
-13.50	170.94	-0.33	4.51	-56.44
-15.00	144.57	-0.28	4.53	-40.61
-16.50	-	-	4.54	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588562
Northing [m UTM31-WGS84] 5684092
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 163940
Water level [m TAW] 5.56
Water-bottom interface [m TAW] -15.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	31.97	-	2.28	-
3.00	32.84	-	2.60	-
1.50	42.29	0.40	3.12	17.13
0.00	64.30	0.31	3.51	19.89
-1.50	64.59	0.20	3.69	12.92
-3.00	77.16	0.12	3.77	9.69
-4.50	177.69	-0.11	4.31	-18.57
-6.00	196.28	-0.10	4.81	-21.02
-7.50	211.42	-0.18	5.03	-37.52
-9.00	213.87	-0.29	5.06	-61.08
-10.50	274.75	-0.35	5.24	-94.64
-12.00	373.54	-0.38	5.47	-140.30
-13.50	407.92	-0.28	5.55	-115.09
-15.00	420.08	-	5.57	-
-16.50	-	-	5.47	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

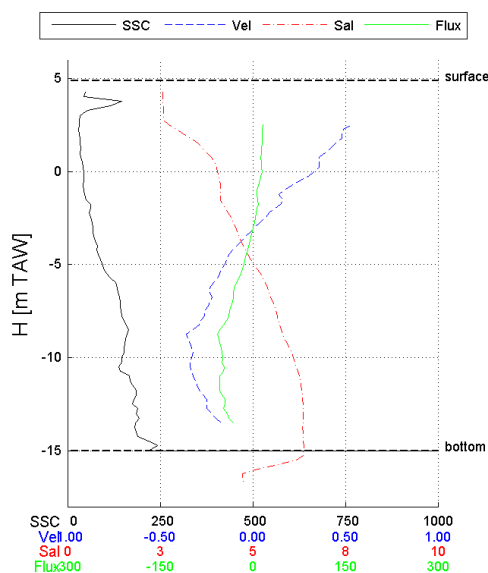
Siltprofiler, ADCP

Sourcefile(s):

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7213Yb_1_00.txt

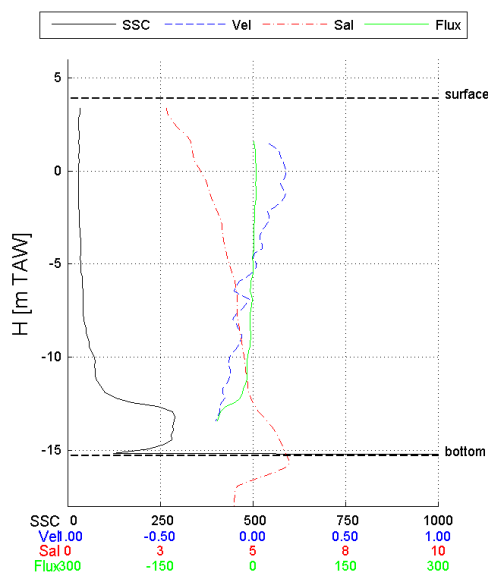
Location:

Deurganckdok Yb



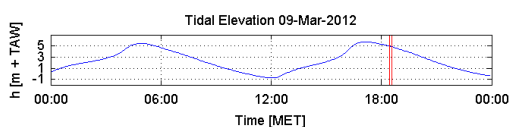
Easting [m UTM31-WGS84] 588613
Northing [m UTM31-WGS84] 5684088
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 173318
Water level [m TAW] 4.89
Water-bottom interface [m TAW] -15.00

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	33.41	-	2.60	-
1.50	34.19	0.45	3.53	15.35
0.00	44.69	0.33	4.05	14.83
-1.50	50.52	0.16	4.13	8.01
-3.00	68.45	0.01	4.53	0.64
-4.50	83.10	-0.13	4.87	-10.61
-6.00	130.57	-0.21	5.35	-27.29
-7.50	144.52	-0.26	5.62	-37.19
-9.00	156.15	-0.35	5.87	-55.11
-10.50	139.04	-0.34	6.18	-46.74
-12.00	185.06	-0.27	6.34	-49.25
-13.50	183.92	-	6.36	-
-15.00	1350.04	-	6.37	-
-16.50	-	-	4.72	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588566
Northing [m UTM31-WGS84] 5684067
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 182741
Water level [m TAW] 3.91
Water-bottom interface [m TAW] -15.30

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	31.96	-	2.73	-
1.50	30.29	0.08	3.34	2.55
0.00	30.18	0.18	3.59	5.43
-1.50	30.13	0.16	3.90	4.86
-3.00	32.66	0.06	4.17	2.11
-4.50	35.31	0.01	4.30	0.18
-6.00	40.50	-0.08	4.52	-3.17
-7.50	41.87	-0.07	4.59	-3.03
-9.00	55.56	-0.06	4.70	-3.45
-10.50	73.50	-0.13	4.80	-9.14
-12.00	110.88	-0.16	4.91	-17.40
-13.50	286.56	-	5.42	-
-15.00	192.82	-	5.86	-
-16.50	-	-	5.13	-
-18.00	-	-	4.49	-



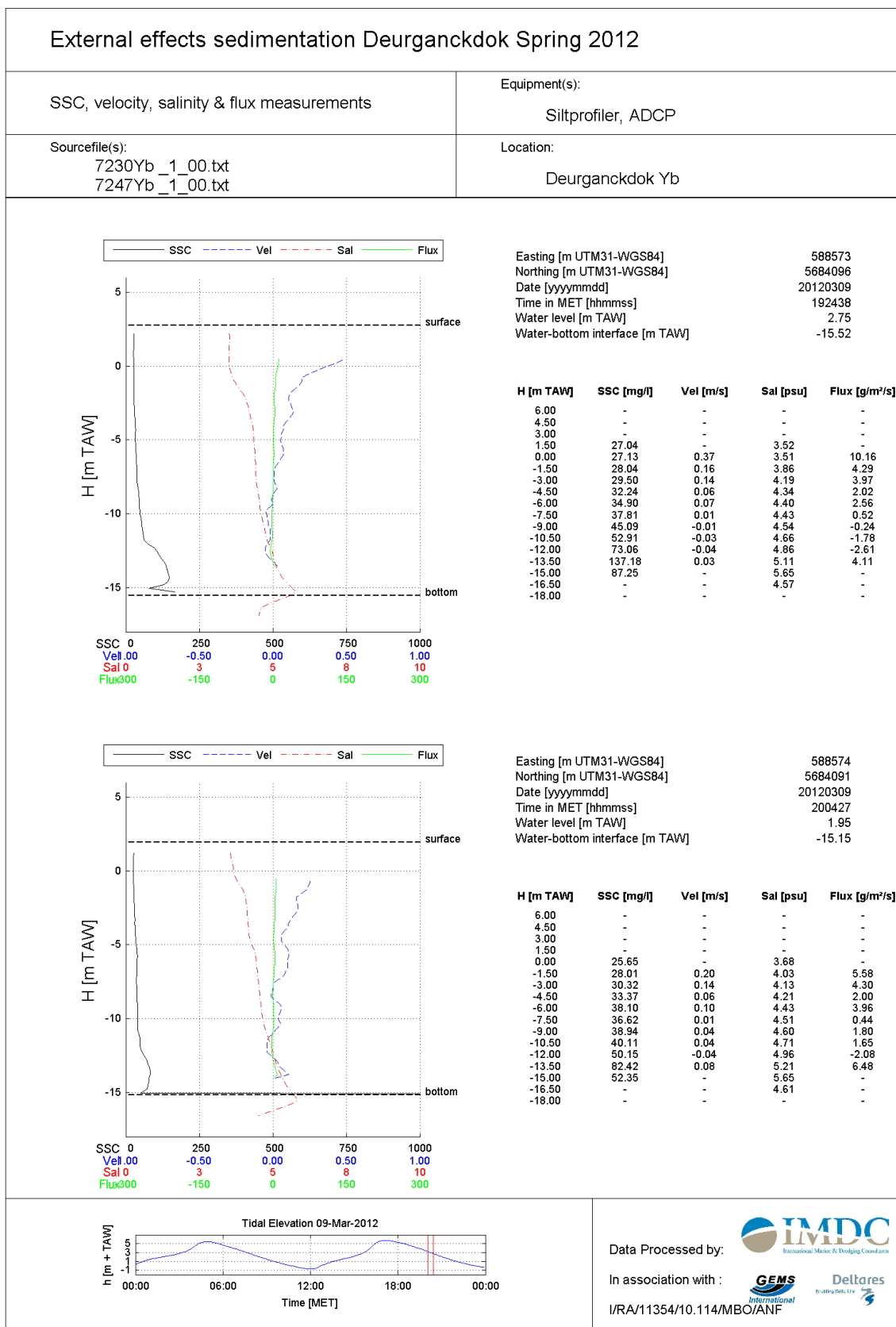
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



C.10 Location Yc

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

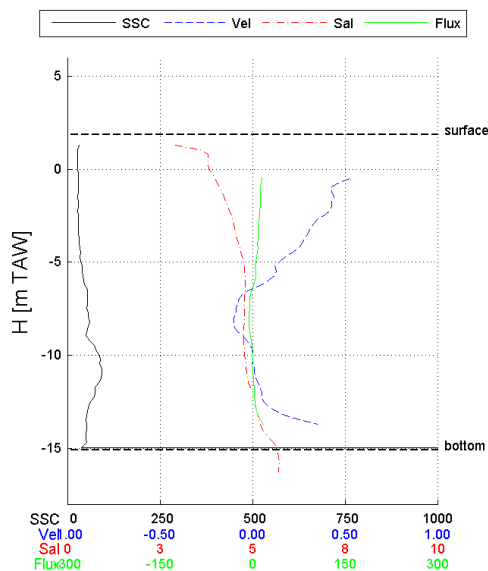
Siltprofiler, ADCP

Sourcefile(s):

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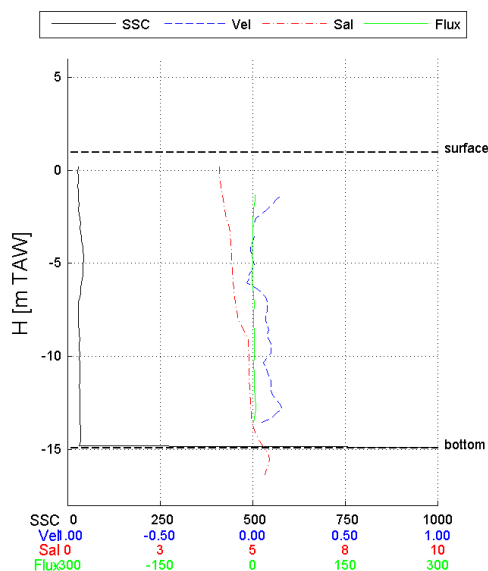
Location:

Deurganckdok Yc



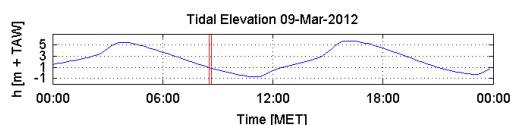
Easting [m UTM31-WGS84] 588622
Northing [m UTM31-WGS84] 5684181
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 073836
Water level [m TAW] 1.87
Water-bottom interface [m TAW] -15.08

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.05	-	3.84	-
-1.50	28.35	0.44	4.24	12.34
-3.00	29.54	0.33	4.49	9.74
-4.50	35.05	0.21	4.70	7.43
-6.00	43.94	0.08	4.81	3.75
-7.50	53.09	-0.09	4.79	-4.65
-9.00	52.37	-0.05	4.77	-2.55
-10.50	88.80	0.00	4.82	0.04
-12.00	74.78	0.05	5.01	3.57
-13.50	51.16	0.27	5.19	13.81
-15.00	3631.81	-	5.66	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588605
Northing [m UTM31-WGS84] 5684179
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 083055
Water level [m TAW] 0.97
Water-bottom interface [m TAW] -14.94

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.62	-	4.11	-
-1.50	30.12	0.14	4.21	4.14
-3.00	34.85	0.00	4.36	0.17
-4.50	42.95	-0.00	4.44	-0.15
-6.00	39.00	-0.03	4.48	-1.07
-7.50	30.32	0.08	4.57	2.37
-9.00	33.20	0.09	4.87	2.90
-10.50	34.42	0.07	4.90	2.33
-12.00	34.24	0.11	4.93	3.72
-13.50	33.82	0.06	4.99	2.12
-15.00	3164.84	-	5.33	-
-16.50	-	-	-	-
-18.00	-	-	-	-



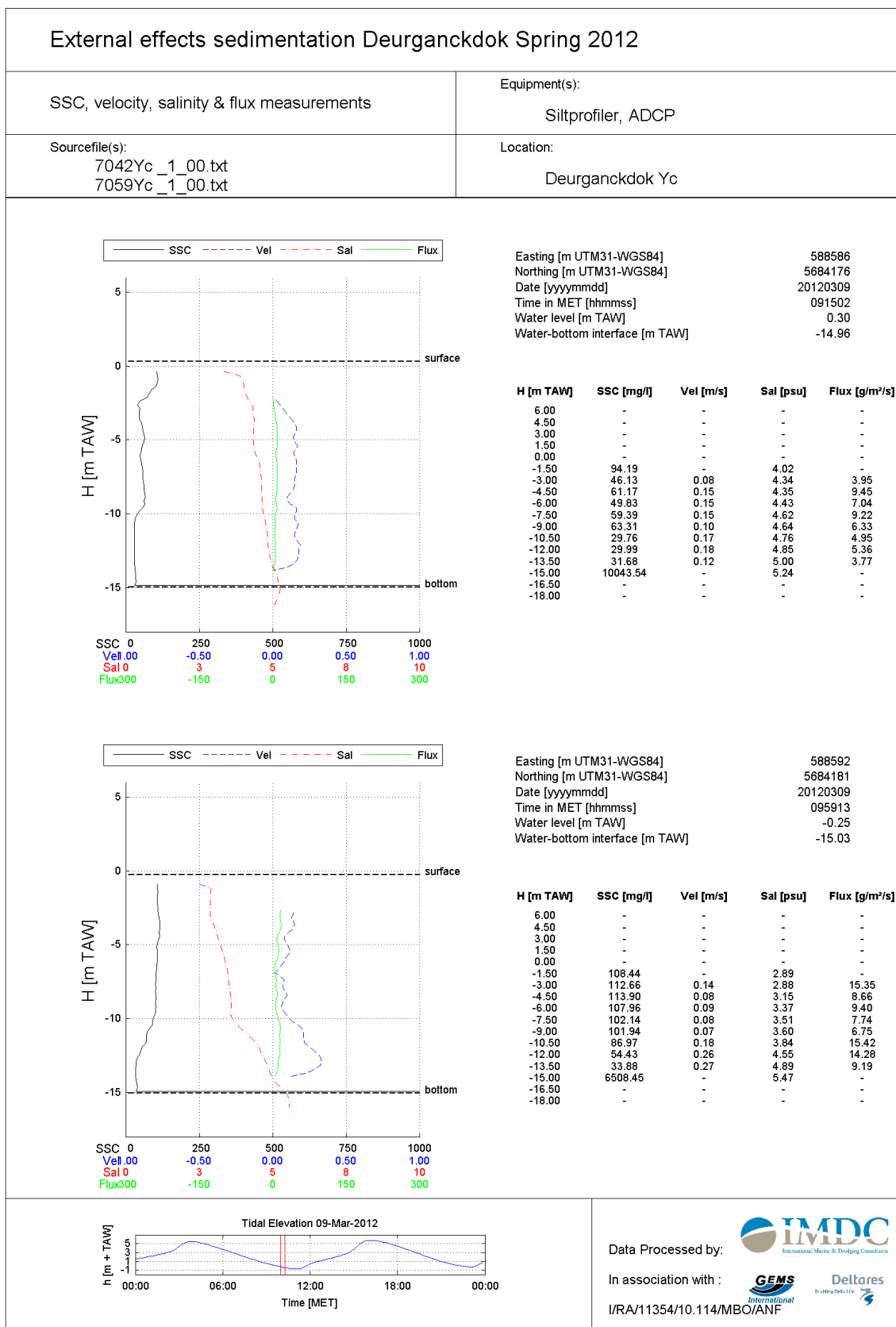
Data Processed by:

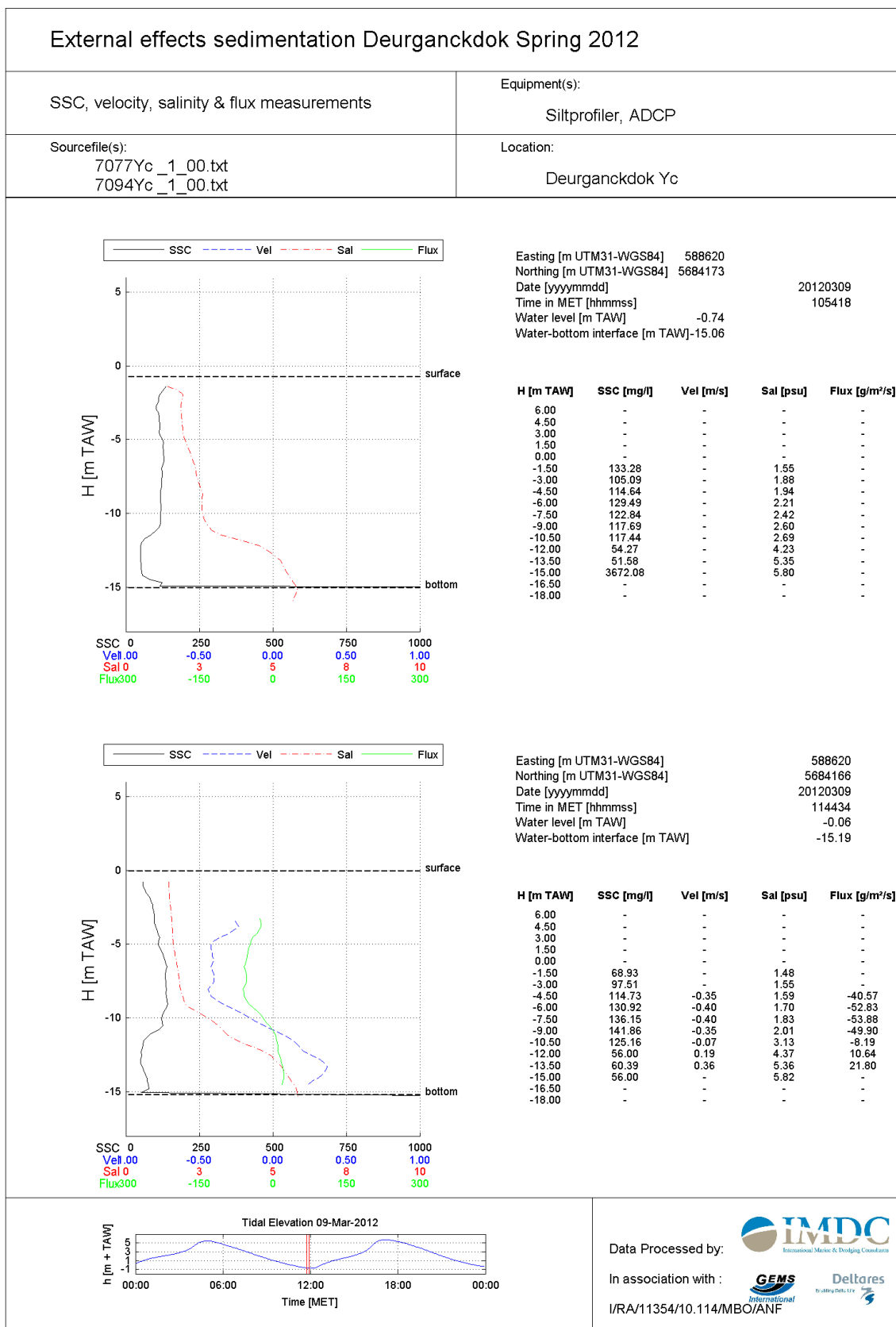


In association with:



I/RA/11354/10.114/MBO/ANF





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

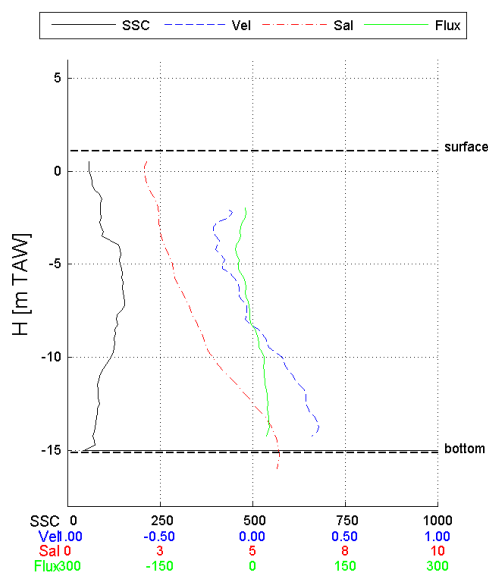
Siltprofiler, ADCP

Sourcefile(s):

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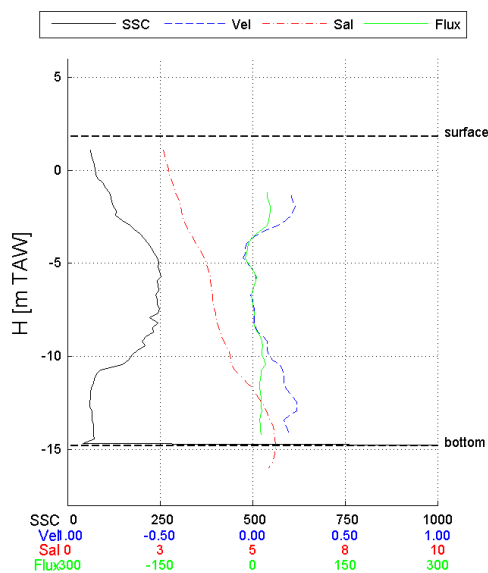
Location:

Deurganckdok Yc



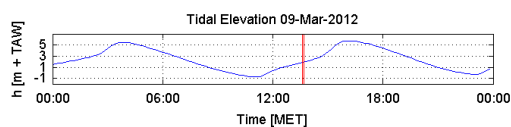
Easting [m UTM31-WGS84] 588615
Northing [m UTM31-WGS84] 5684166
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 124028
Water level [m TAW] 1.08
Water-bottom interface [m TAW] -15.11

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	59.47	-	2.09	-
-1.50	93.78	-	2.38	-
-3.00	92.59	-0.21	2.49	-19.15
-4.50	145.12	-0.17	2.74	-24.59
-6.00	150.12	-0.08	2.97	-12.03
-7.50	145.28	-0.03	3.33	-4.79
-9.00	126.26	0.07	3.68	8.72
-10.50	100.96	0.18	4.11	18.26
-12.00	83.72	0.29	4.82	24.44
-13.50	75.96	0.35	5.46	26.78
-15.00	1510.93	-	5.70	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588626
Northing [m UTM31-WGS84] 5684175
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 133625
Water level [m TAW] 1.81
Water-bottom interface [m TAW] -14.82

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	75.61	-	2.74	-
-1.50	118.63	0.21	3.00	24.83
-3.00	173.03	0.12	3.22	21.77
-4.50	236.20	-0.04	3.65	-9.82
-6.00	243.07	0.02	3.87	4.45
-7.50	247.56	0.01	3.98	2.62
-9.00	209.76	0.07	4.20	13.61
-10.50	135.15	0.15	4.46	20.35
-12.00	62.96	0.21	5.09	12.86
-13.50	68.26	0.17	5.50	11.68
-15.00	-	-	5.62	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

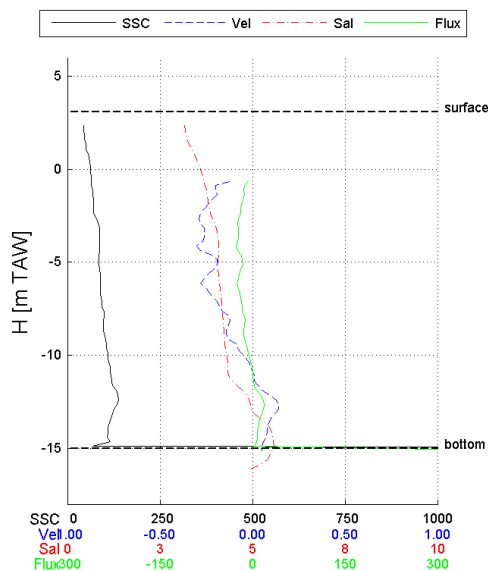
Siltprofiler, ADCP

Sourcefile(s):

7146Yc_1_00.txt
7163Yc_1_00.txt

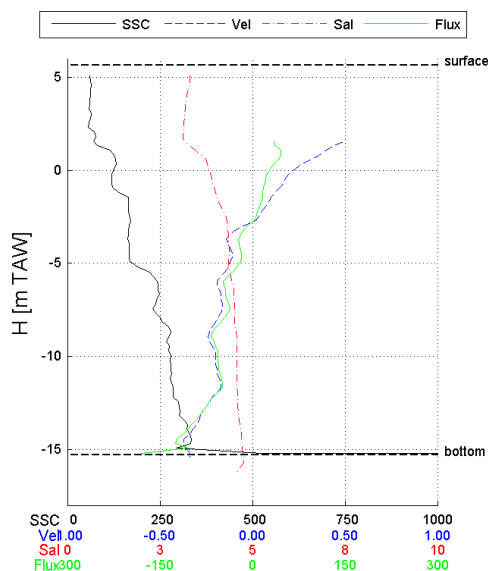
Location:

Deurganckdok Yc



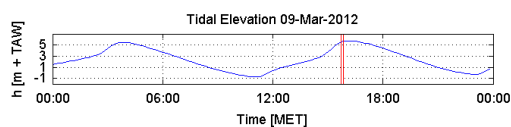
Easting [m UTM31-WGS84] 588613
Northing [m UTM31-WGS84] 5684163
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 144220
Water level [m TAW] 3.09
Water-bottom interface [m TAW] -15.00

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	47.82	-	3.25	-
0.00	62.48	-	3.59	-
-1.50	69.37	-0.21	3.79	-14.36
-3.00	84.13	-0.27	3.99	-23.17
-4.50	86.28	-0.25	4.09	-21.41
-6.00	88.47	-0.27	4.10	-24.09
-7.50	96.16	-0.17	4.19	-16.44
-9.00	101.71	-0.13	4.25	-13.74
-10.50	114.10	-0.01	4.33	-1.65
-12.00	134.16	0.07	4.79	9.77
-13.50	115.12	0.10	5.25	11.30
-15.00	4396.85	0.05	5.55	220.45
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588626
Northing [m UTM31-WGS84] 5684202
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 154926
Water level [m TAW] 5.65
Water-bottom interface [m TAW] -15.31

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	64.41	-	3.27	-
3.00	63.42	-	3.17	-
1.50	73.26	0.48	3.18	35.09
0.00	124.18	0.22	3.84	27.54
-1.50	165.36	0.10	4.05	16.48
-3.00	166.00	-0.05	4.33	-8.59
-4.50	166.63	-0.11	4.37	-18.36
-6.00	243.29	-0.19	4.45	-46.52
-7.50	231.99	-0.16	4.51	-37.04
-9.00	273.01	-0.24	4.58	-65.50
-10.50	279.70	-0.20	4.58	-54.89
-12.00	285.92	-0.20	4.60	-57.44
-13.50	318.76	-0.29	4.65	-94.60
-15.00	363.09	-0.35	4.74	-126.97
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

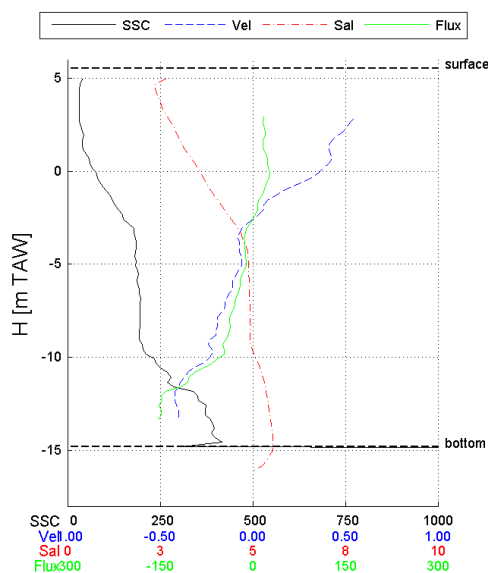
Siltprofiler, ADCP

Sourcefile(s):

7180Yc_1_00.txt
7214Yc_1_00.txt

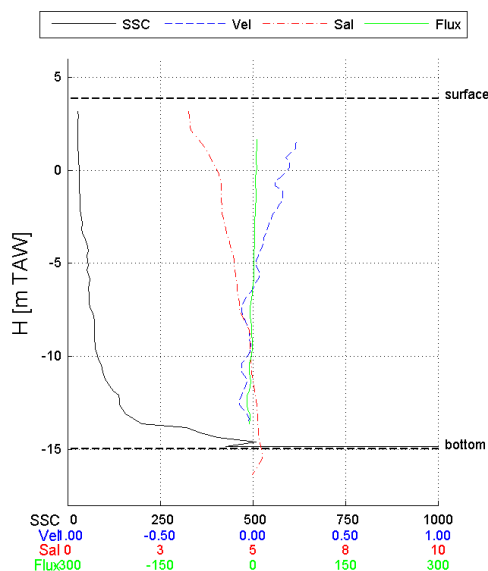
Location:

Deurganckdok Yc



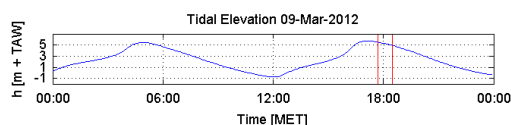
Easting [m UTM31-WGS84] 588634
Northing [m UTM31-WGS84] 5684177
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 164152
Water level [m TAW] 5.54
Water-bottom interface [m TAW] -14.82

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	33.02	-	2.37	-
3.00	32.27	-	2.68	-
1.50	39.66	0.42	3.08	16.53
0.00	74.63	0.37	3.57	27.21
-1.50	120.17	0.09	4.03	10.53
-3.00	175.55	-0.05	4.58	-8.61
-4.50	181.58	-0.06	4.87	-11.54
-6.00	188.48	-0.11	4.90	-20.59
-7.50	196.08	-0.16	4.93	-32.65
-9.00	193.61	-0.22	4.92	-42.68
-10.50	247.25	-0.31	5.18	-75.87
-12.00	347.29	-0.42	5.37	-146.03
-13.50	390.66	-	5.50	-
-15.00	26757.92	-	5.53	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588610
Northing [m UTM31-WGS84] 5684151
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 182948
Water level [m TAW] 3.86
Water-bottom interface [m TAW] -14.97

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	28.56	-	3.28	-
1.50	27.87	0.23	3.59	6.52
0.00	31.17	0.19	4.04	5.90
-1.50	33.46	0.16	4.15	5.34
-3.00	39.18	0.08	4.26	3.38
-4.50	53.29	0.03	4.46	1.67
-6.00	58.48	0.02	4.56	0.98
-7.50	65.05	-0.06	4.66	-3.78
-9.00	73.29	-0.02	4.92	-1.25
-10.50	91.63	-0.06	4.96	-5.48
-12.00	133.44	-0.06	5.06	-7.66
-13.50	191.49	-0.03	5.13	-4.95
-15.00	13913.64	-	5.24	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

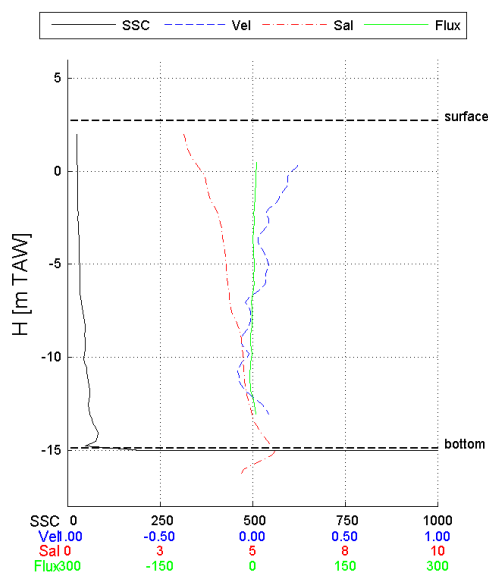
Siltprofiler, ADCP

Sourcefile(s):

7231Yc_1_00.txt
7246Yc_1_00.txt

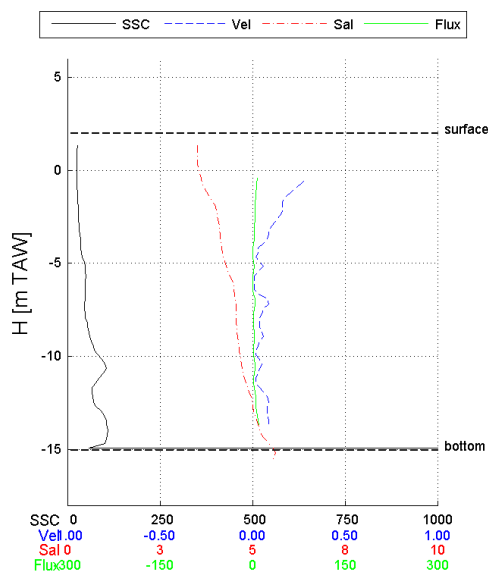
Location:

Deurganckdok Yc



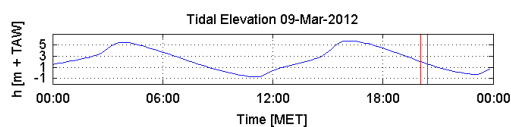
Easting [m UTM31-WGS84] 588613
Northing [m UTM31-WGS84] 5684153
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 192644
Water level [m TAW] 2.71
Water-bottom interface [m TAW] -14.88

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	25.82	-	3.21	-
0.00	27.53	0.21	3.63	5.98
-1.50	27.33	0.14	3.86	3.85
-3.00	29.69	0.07	4.16	2.12
-4.50	32.32	0.07	4.27	2.31
-6.00	33.59	0.07	4.34	2.47
-7.50	41.43	-0.01	4.44	-0.65
-9.00	47.90	-0.06	4.70	-2.85
-10.50	50.63	-0.07	4.76	-3.49
-12.00	61.24	-0.01	4.85	-0.81
-13.50	68.57	-	5.07	-
-15.00	194.39	-	5.62	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588620
Northing [m UTM31-WGS84] 5684152
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 200242
Water level [m TAW] 1.98
Water-bottom interface [m TAW] -15.05

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	25.63	-	3.56	-
-1.50	28.44	0.17	3.87	4.97
-3.00	31.51	0.10	4.10	3.25
-4.50	38.63	0.03	4.20	0.91
-6.00	47.82	0.01	4.46	0.60
-7.50	47.44	0.06	4.55	2.67
-9.00	61.50	0.05	4.61	3.16
-10.50	102.58	0.05	4.72	4.47
-12.00	67.18	0.07	4.93	4.52
-13.50	105.27	0.09	5.12	9.41
-15.00	7135.81	-	5.58	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:

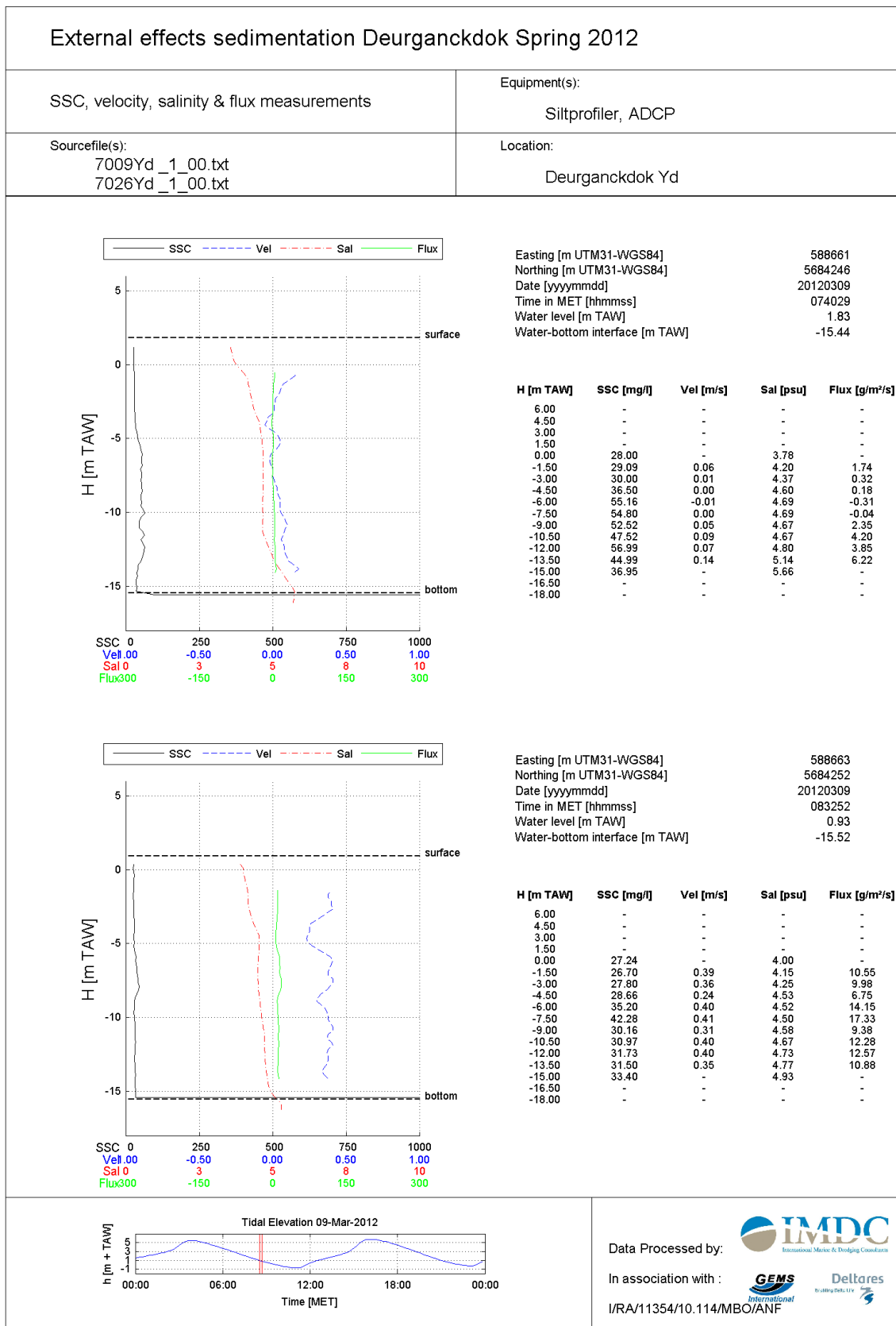


In association with:



I/RA/11354/10.114/MBO/ANF

C.11 Location Yd



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

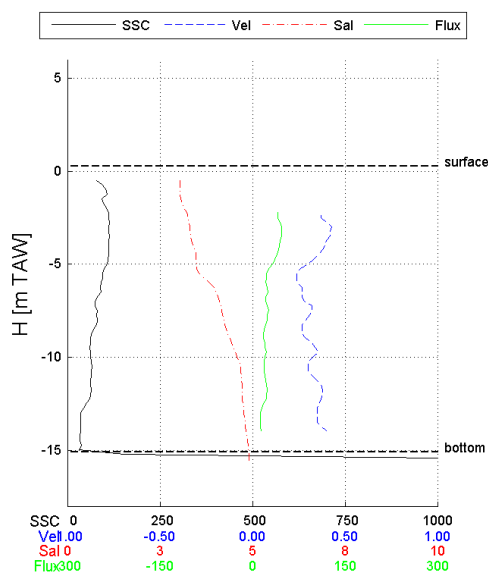
Siltprofiler, ADCP

Sourcefile(s):

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7060Yd_1_00.txt

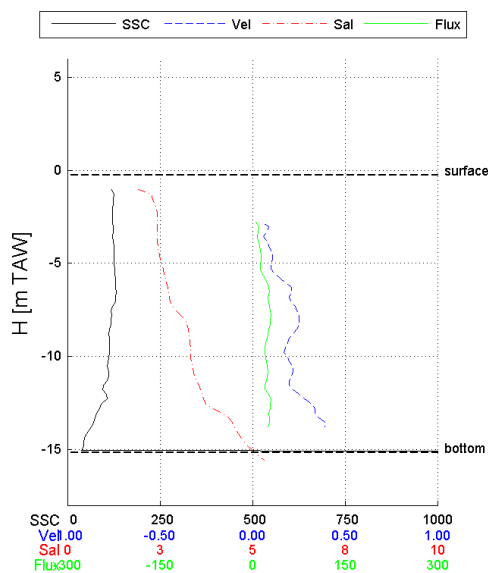
Location:

Deurganckdok Yd



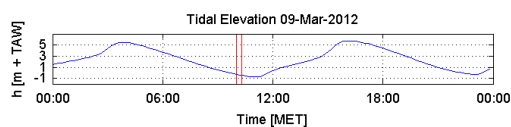
Easting [m UTM31-WGS84] 588652
Northing [m UTM31-WGS84] 5684257
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 091722
Water level [m TAW] 0.27
Water-bottom interface [m TAW] -15.10

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	93.39	-	3.06	-
-3.00	111.70	0.43	3.30	47.58
-4.50	110.80	0.36	3.47	39.59
-6.00	91.07	0.24	3.84	22.24
-7.50	80.93	0.32	4.17	25.96
-9.00	62.94	0.29	4.39	18.45
-10.50	65.69	0.30	4.68	19.49
-12.00	61.64	0.38	4.73	23.23
-13.50	36.62	0.35	4.80	12.80
-15.00	41.59	-	4.89	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588653
Northing [m UTM31-WGS84] 5684268
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 100119
Water level [m TAW] -0.27
Water-bottom interface [m TAW] -15.18

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	124.73	-	2.30	-
-3.00	124.20	0.08	2.42	10.03
-4.50	125.60	0.11	2.47	13.80
-6.00	130.50	0.18	2.68	23.22
-7.50	118.79	0.24	2.92	28.83
-9.00	114.43	0.20	3.30	23.54
-10.50	108.50	0.22	3.38	23.34
-12.00	104.03	0.25	3.63	25.35
-13.50	71.61	0.39	4.44	27.32
-15.00	39.57	-	4.98	-
-16.50	-	-	-	-
-18.00	-	-	-	-



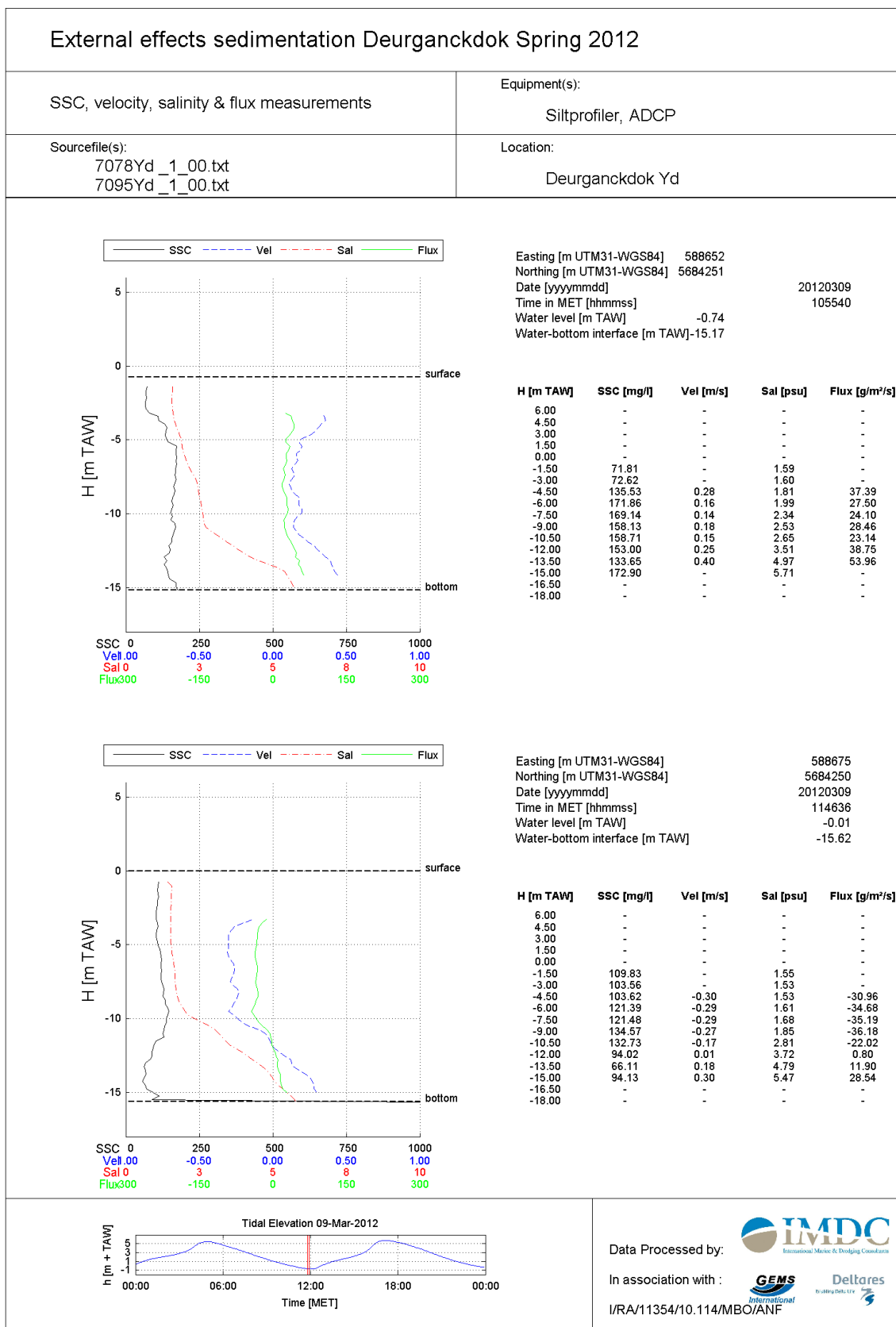
Data Processed by:

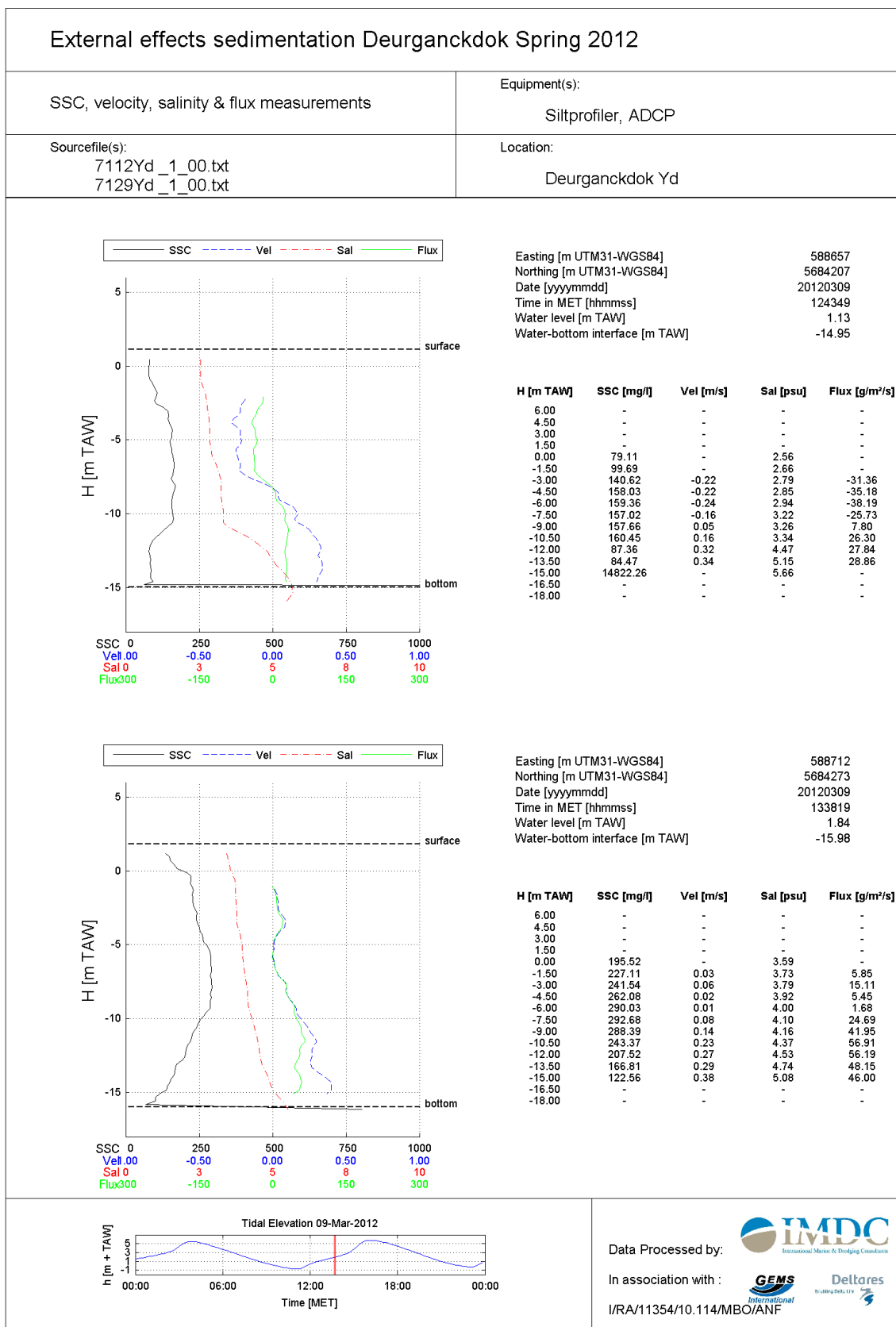


In association with:



I/RA/11354/10.114/MBO/ANF





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

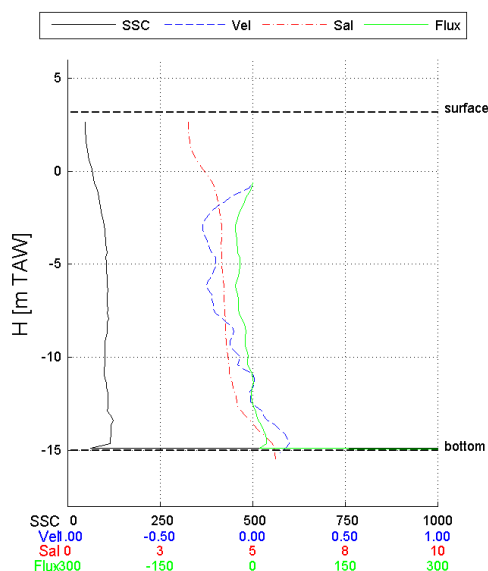
Siltprofiler, ADCP

Sourcefile(s):

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7164Yd_1_00.txt

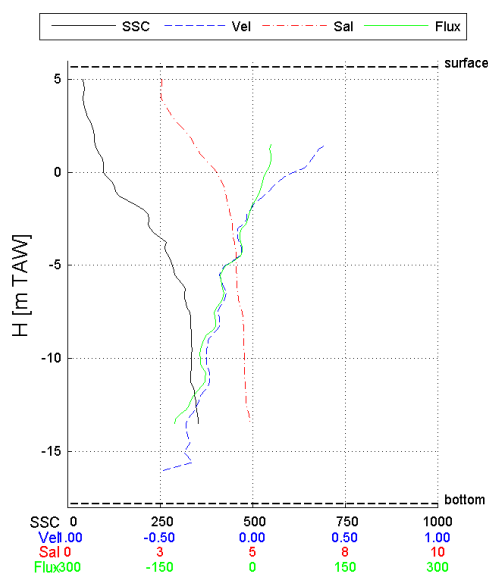
Location:

Deurganckdok Yd



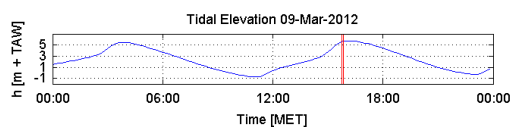
Easting [m UTM31-WGS84] 588676
Northing [m UTM31-WGS84] 5684240
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 144444
Water level [m TAW] 3.17
Water-bottom interface [m TAW] -15.01

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	51.67	-	3.32	-
0.00	67.22	-	3.70	-
-1.50	85.60	-0.13	4.05	-11.37
-3.00	100.74	-0.27	4.16	-27.24
-4.50	105.67	-0.21	4.16	-22.23
-6.00	108.19	-0.24	4.22	-26.41
-7.50	108.57	-0.21	4.26	-22.19
-9.00	103.58	-0.12	4.28	-12.14
-10.50	100.84	-0.07	4.36	-6.78
-12.00	109.52	-0.02	4.53	-1.66
-13.50	121.60	0.10	4.97	11.52
-15.00	7456.26	0.17	5.59	1148.04
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588655
Northing [m UTM31-WGS84] 5684257
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 155101
Water level [m TAW] 5.67
Water-bottom interface [m TAW] -17.80

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	46.12	-	2.54	-
3.00	54.26	-	2.83	-
1.50	74.61	-	3.44	-
0.00	98.01	0.22	4.05	22.07
-1.50	161.34	0.03	4.31	4.64
-3.00	224.76	-0.08	4.46	-16.77
-4.50	273.49	-0.07	4.55	-19.31
-6.00	310.43	-0.16	4.57	-49.75
-7.50	331.52	-0.19	4.72	-62.32
-9.00	335.02	-0.24	4.77	-79.49
-10.50	335.60	-0.24	4.79	-80.46
-12.00	343.93	-0.28	4.83	-94.87
-13.50	353.60	-0.36	4.94	-126.25
-15.00	-	-0.37	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

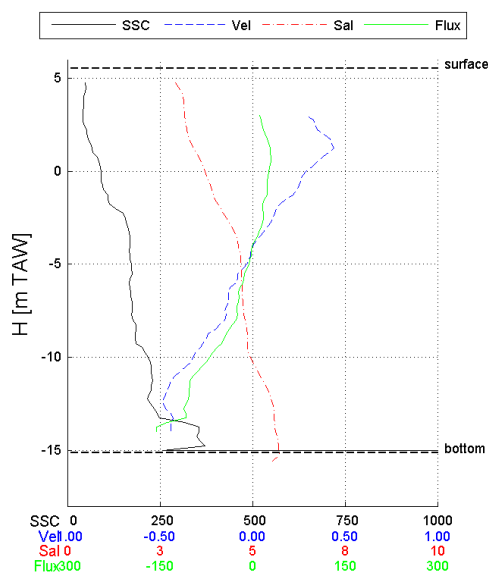
Siltprofiler, ADCP

Sourcefile(s):

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7197Yd_1_00.txt

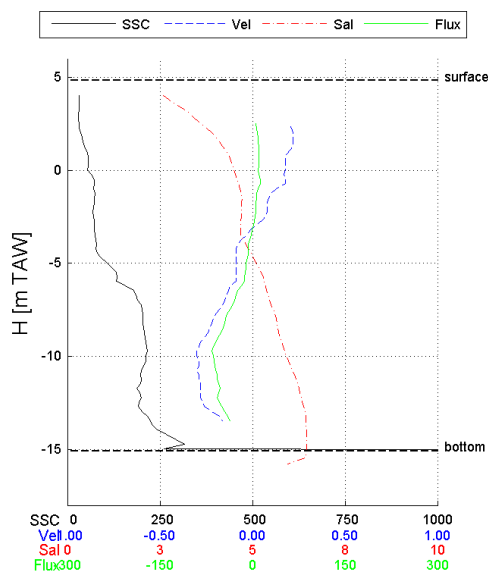
Location:

Deurganckdok Yd



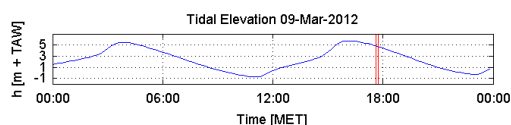
Easting [m UTM31-WGS84] 588678
Northing [m UTM31-WGS84] 5684245
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 164407
Water level [m TAW] 5.52
Water-bottom interface [m TAW] -15.14

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	50.21	-	3.01	-
3.00	41.91	-	3.16	-
1.50	61.98	0.43	3.35	26.73
0.00	90.63	0.29	3.72	26.66
-1.50	108.66	0.18	3.99	19.41
-3.00	162.51	0.08	4.44	13.42
-4.50	168.37	-0.01	4.68	-2.05
-6.00	167.72	-0.09	4.72	-15.82
-7.50	175.73	-0.15	4.76	-25.87
-9.00	182.90	-0.25	4.86	-46.09
-10.50	226.53	-0.36	5.08	-81.75
-12.00	219.33	-0.47	5.46	-103.01
-13.50	314.56	-0.44	5.60	-136.91
-15.00	263.16	-	5.71	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588622
Northing [m UTM31-WGS84] 5684248
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 173723
Water level [m TAW] 4.82
Water-bottom interface [m TAW] -15.08

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	30.48	-	3.33	-
1.50	42.58	0.22	4.12	9.39
0.00	55.65	0.18	4.49	9.74
-1.50	72.35	0.09	4.72	6.33
-3.00	72.97	0.02	4.68	0.93
-4.50	82.02	-0.09	4.97	-7.11
-6.00	137.70	-0.10	5.33	-13.61
-7.50	201.83	-0.18	5.56	-36.43
-9.00	209.69	-0.26	5.75	-55.89
-10.50	205.49	-0.29	6.04	-60.65
-12.00	195.46	-0.28	6.29	-55.16
-13.50	225.06	-	6.45	-
-15.00	1106.90	-	6.46	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



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External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

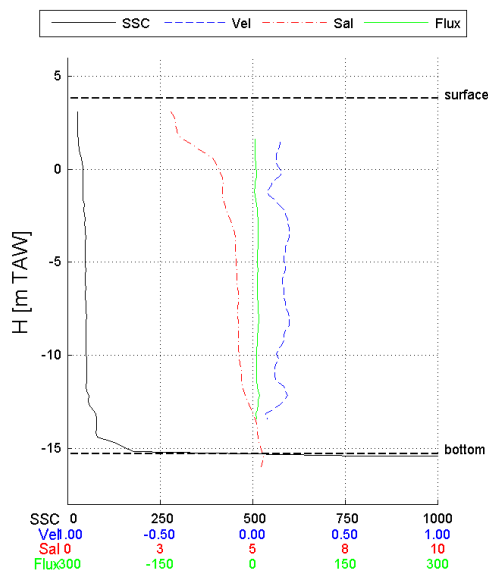
Siltprofiler, ADCP

Sourcefile(s):

7215Yd_1_00.txt
7232Yd_1_00.txt

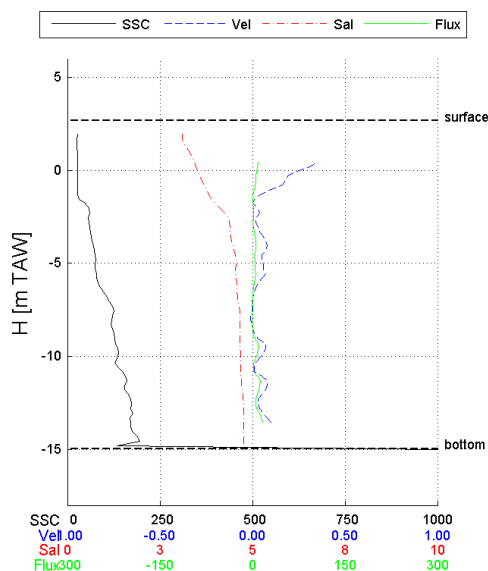
Location:

Deurganckdok Yd



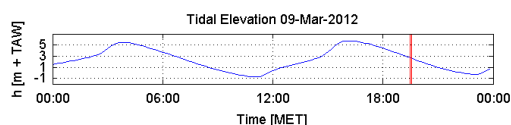
Easting [m UTM31-WGS84] 588650
Northing [m UTM31-WGS84] 5684236
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 183311
Water level [m TAW] 3.80
Water-bottom interface [m TAW] -15.28

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	27.54	-	2.83	-
1.50	29.60	0.15	3.22	4.37
0.00	42.01	0.15	4.09	6.26
-1.50	41.91	0.10	4.20	4.35
-3.00	47.15	0.19	4.45	9.11
-4.50	48.24	0.18	4.54	8.46
-6.00	48.83	0.16	4.58	7.90
-7.50	50.59	0.18	4.61	9.49
-9.00	50.22	0.17	4.63	8.48
-10.50	51.85	0.13	4.68	6.68
-12.00	54.18	0.18	4.78	10.14
-13.50	78.54	-	5.09	-
-15.00	160.74	-	5.23	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588679
Northing [m UTM31-WGS84] 5684243
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 192853
Water level [m TAW] 2.66
Water-bottom interface [m TAW] -14.95

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	25.84	-	3.14	-
0.00	27.04	0.25	3.52	6.92
-1.50	31.02	0.02	3.90	0.58
-3.00	59.36	0.03	4.39	1.49
-4.50	74.83	0.05	4.52	3.93
-6.00	82.41	0.03	4.57	2.83
-7.50	124.85	0.00	4.66	-0.22
-9.00	127.23	0.03	4.66	3.59
-10.50	134.15	0.01	4.69	1.39
-12.00	163.26	0.05	4.75	8.11
-13.50	171.10	0.10	4.76	16.30
-15.00	1006.31	-	4.76	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

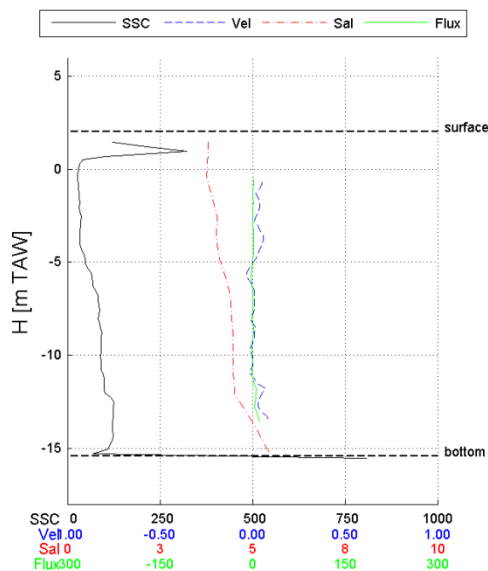
Siltprofiler, ADCP

Sourcefile(s):

7246Yd_1_00.txt

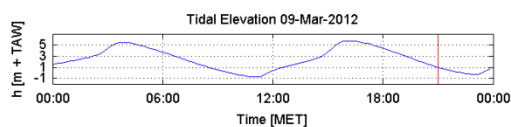
Location:

Deurganckdok Yd



Easting [m UTM31-WGS84] 588666
Northing [m UTM31-WGS84] 5684222
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 200104
Water level [m TAW] 2.02
Water-bottom interface [m TAW] -15.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	30.10	-	3.78	-
-1.50	31.46	0.03	3.91	0.99
-3.00	35.86	0.03	4.04	0.96
-4.50	43.30	0.03	4.09	1.48
-6.00	67.59	-0.01	4.31	-1.02
-7.50	87.14	0.01	4.43	0.84
-9.00	92.01	0.01	4.47	1.00
-10.50	91.72	0.00	4.48	-0.09
-12.00	100.87	0.05	4.51	5.57
-13.50	122.24	0.09	4.98	11.04
-15.00	110.98	-	5.39	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.12 Location Ye

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

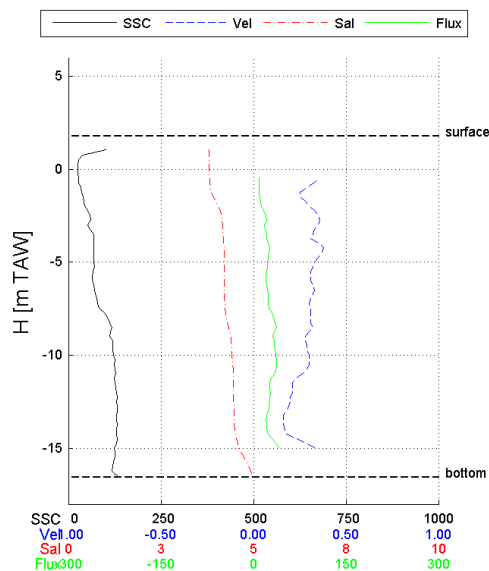
Siltprofiler, ADCP

Sourcefile(s):

7010Ye_1_00.txt
7027Ye_1_00.txt

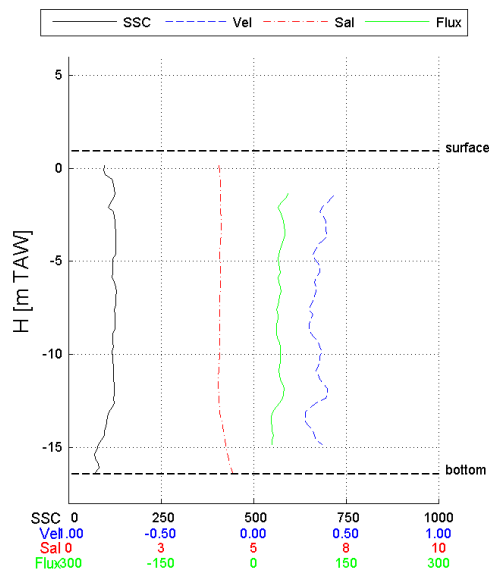
Location:

Deurganckdok Ye



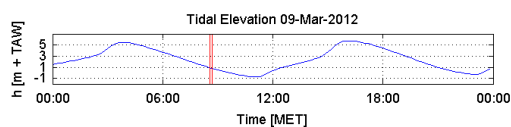
Easting [m UTM31-WGS84] 588701
Northing [m UTM31-WGS84] 5684332
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 074206
Water level [m TAW] 1.80
Water-bottom interface [m TAW] -16.54

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	26.02	-	3.80	-
-1.50	39.45	0.25	3.94	10.14
-3.00	52.92	0.35	4.16	18.29
-4.50	67.89	0.37	4.22	24.88
-6.00	65.20	0.31	4.22	20.37
-7.50	84.65	0.31	4.24	25.88
-9.00	112.23	0.28	4.39	31.34
-10.50	124.99	0.30	4.44	37.05
-12.00	130.86	0.21	4.46	27.06
-13.50	130.77	0.16	4.48	20.76
-15.00	124.21	-	4.61	-
-16.50	134.35	-	5.01	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588700
Northing [m UTM31-WGS84] 5684339
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 083424
Water level [m TAW] 0.91
Water-bottom interface [m TAW] -16.42

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	96.42	-	4.07	-
-1.50	123.90	0.43	4.10	53.85
-3.00	126.02	0.39	4.12	49.18
-4.50	127.65	0.33	4.09	41.81
-6.00	121.55	0.33	4.10	40.67
-7.50	125.84	0.30	4.08	38.29
-9.00	120.13	0.32	4.08	38.16
-10.50	121.19	0.35	4.07	42.59
-12.00	123.57	0.40	4.06	49.00
-13.50	105.00	0.28	4.13	29.32
-15.00	78.96	-	4.26	-
-16.50	-	-	-	-
-18.00	-	-	-	-



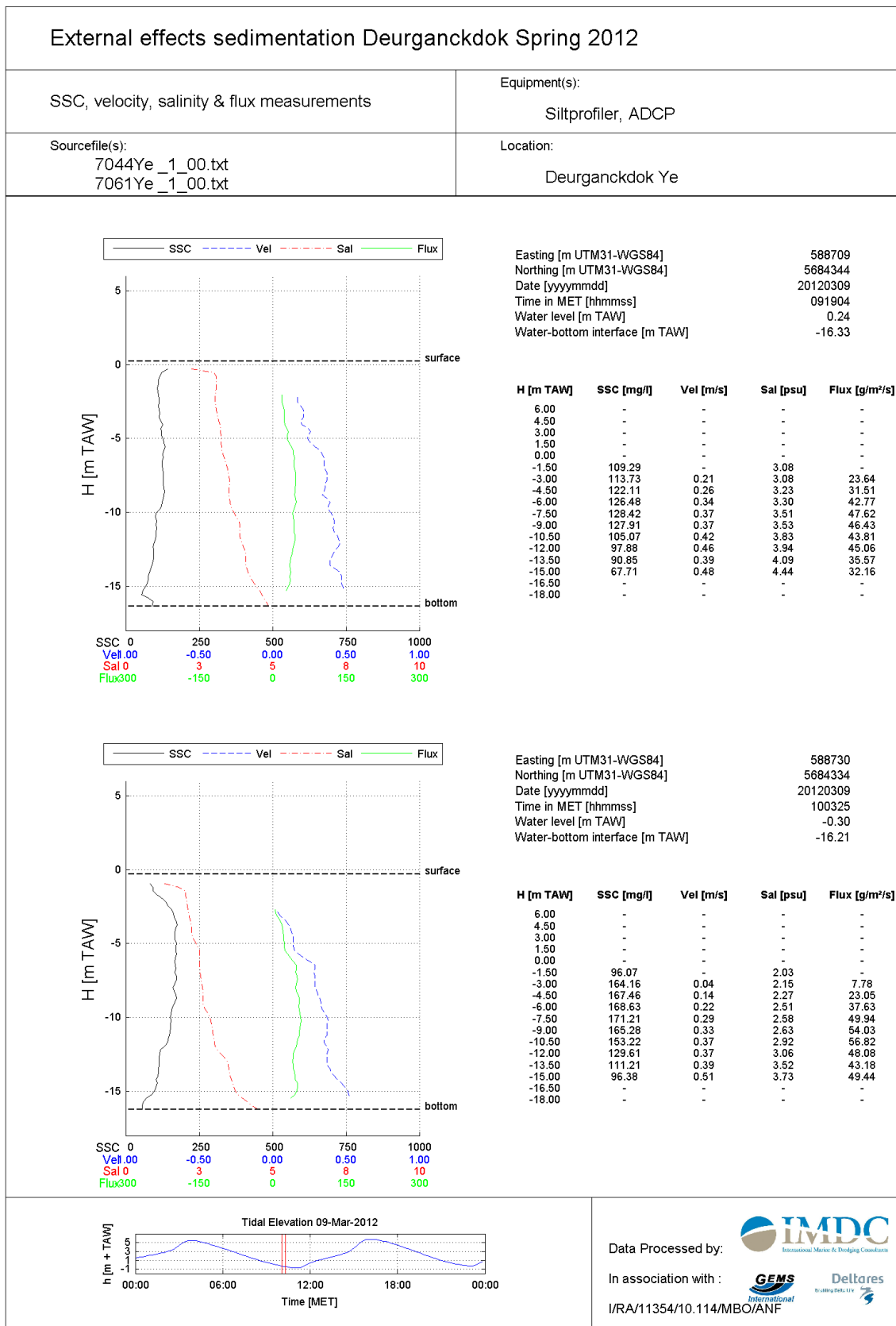
Data Processed by:

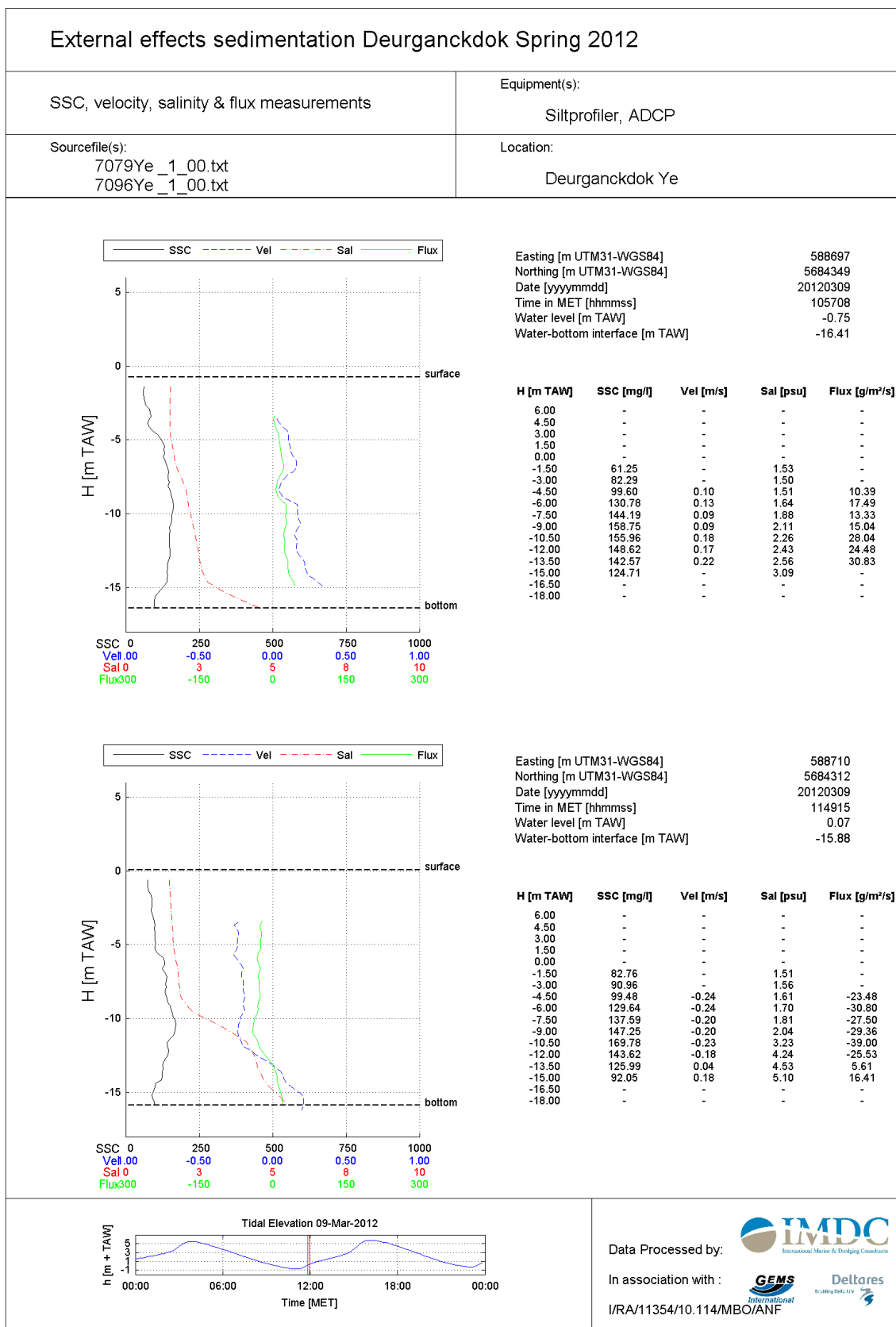


In association with:



I/RA/11354/10.114/MBO/ANF





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

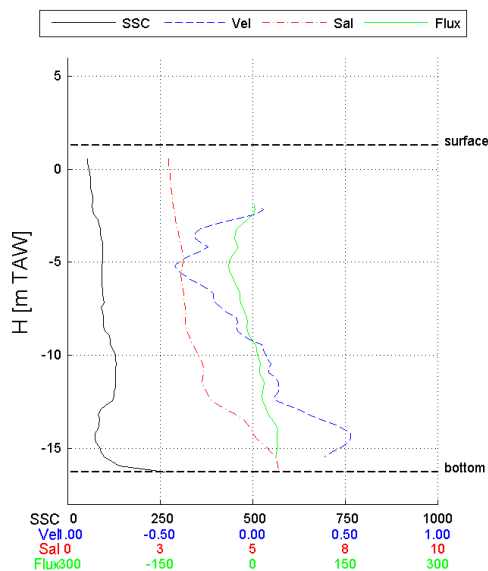
Siltprofiler, ADCP

Sourcefile(s):

7113Ye_1_00.txt
7130Ye_1_00.txt

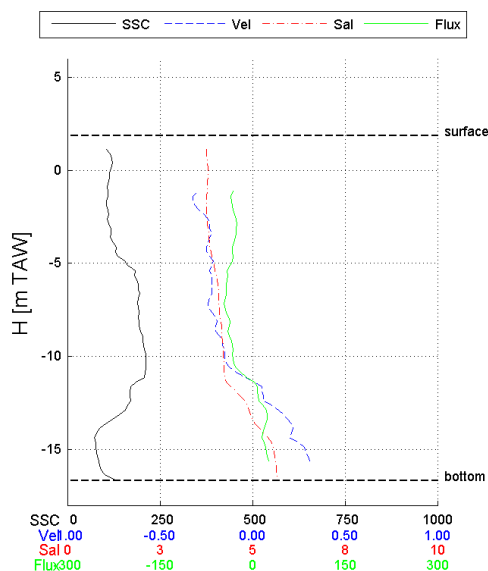
Location:

Deurganckdok Ye



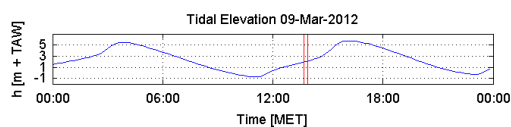
Easting [m UTM31-WGS84] 588690
Northing [m UTM31-WGS84] 5684306
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 125430
Water level [m TAW] 1.28
Water-bottom interface [m TAW] -16.26

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	59.01	-	2.75	-
-1.50	68.13	-	2.83	-
-3.00	85.81	-0.22	2.96	-18.85
-4.50	96.05	-0.30	3.11	-29.38
-6.00	93.23	-0.32	3.08	-29.47
-7.50	92.77	-0.16	3.18	-14.85
-9.00	113.71	-0.04	3.30	-4.43
-10.50	131.15	0.10	3.67	12.57
-12.00	125.58	0.13	3.78	16.64
-13.50	86.30	0.38	4.77	32.98
-15.00	87.56	0.47	5.40	41.04
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588732
Northing [m UTM31-WGS84] 5684346
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 134026
Water level [m TAW] 1.87
Water-bottom interface [m TAW] -16.66

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	115.75	-	3.80	-
-1.50	107.48	-0.32	3.76	-34.08
-3.00	114.65	-0.23	3.80	-25.97
-4.50	133.37	-0.24	3.89	-31.62
-6.00	189.82	-0.22	4.06	-42.27
-7.50	192.73	-0.23	4.11	-43.86
-9.00	204.44	-0.17	4.19	-35.48
-10.50	212.81	-0.13	4.24	-28.31
-12.00	169.40	0.06	4.61	8.90
-13.50	111.19	0.20	5.03	22.25
-15.00	78.22	0.29	5.57	22.16
-16.50	115.22	-	5.66	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

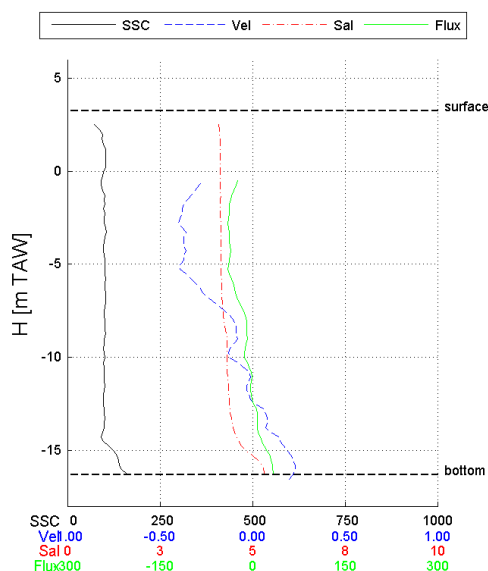
Siltprofiler, ADCP

Sourcefile(s):

7148Ye_1_00.txt
7165Ye_1_00.txt

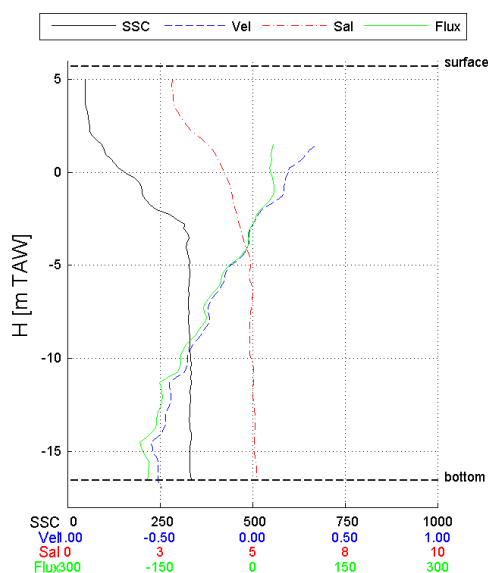
Location:

Deurganckdok Ye



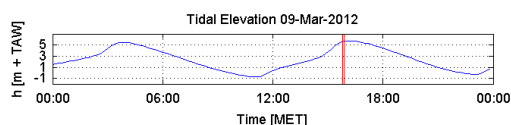
Easting [m UTM31-WGS84] 588711
Northing [m UTM31-WGS84] 5684324
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 144655
Water level [m TAW] 3.24
Water-bottom interface [m TAW] -16.31

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	96.24	-	4.12	-
0.00	96.59	-	4.12	-
-1.50	100.42	-0.35	4.13	-35.23
-3.00	102.52	-0.38	4.14	-39.22
-4.50	99.47	-0.37	4.14	-36.38
-6.00	101.44	-0.31	4.16	-31.09
-7.50	100.29	-0.15	4.21	-14.88
-9.00	100.10	-0.08	4.32	-7.96
-10.50	98.70	-0.05	4.32	-5.08
-12.00	98.27	-0.02	4.36	-2.47
-13.50	100.22	0.08	4.45	7.74
-15.00	124.89	0.19	4.83	23.67
-16.50	-	0.20	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588706
Northing [m UTM31-WGS84] 5684330
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 155255
Water level [m TAW] 5.68
Water-bottom interface [m TAW] -16.57

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	48.31	-	2.83	-
3.00	55.68	-	3.06	-
1.50	92.57	-	3.80	-
0.00	155.56	0.19	4.24	29.24
-1.50	214.05	0.13	4.48	27.92
-3.00	314.82	-0.01	4.68	-3.90
-4.50	326.45	-0.06	4.92	-19.09
-6.00	328.38	-0.16	4.96	-52.52
-7.50	328.91	-0.24	4.95	-78.75
-9.00	331.39	-0.30	4.92	-99.28
-10.50	333.48	-0.36	5.04	-118.45
-12.00	332.36	-0.44	5.02	-145.55
-13.50	329.93	-0.47	5.08	-155.09
-15.00	330.39	-0.54	5.06	-177.35
-16.50	334.55	-0.51	5.13	-170.29
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

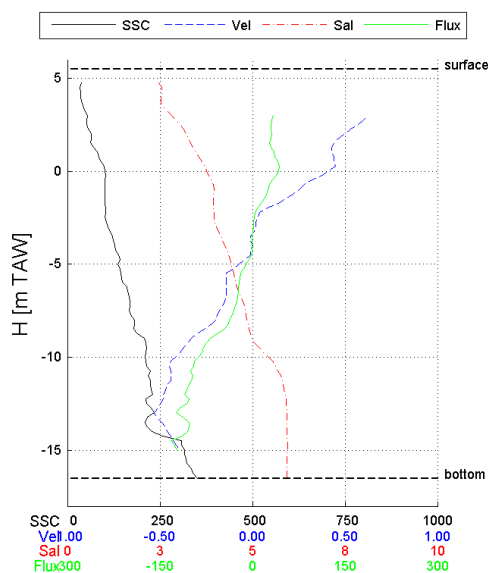
Siltprofiler, ADCP

Sourcefile(s):

7182Ye_1_00.txt
7198Ye_1_00.txt

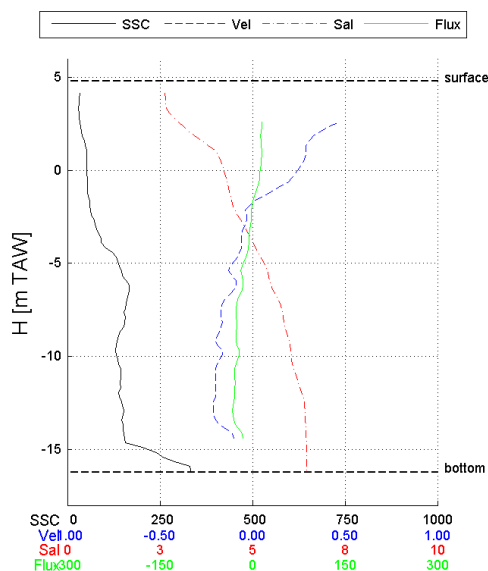
Location:

Deurganckdok Ye



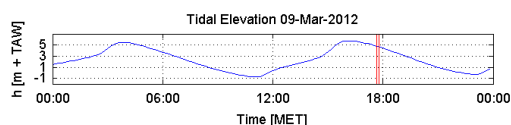
Easting [m UTM31-WGS84] 588743
Northing [m UTM31-WGS84] 5684321
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 164603
Water level [m TAW] 5.50
Water-bottom interface [m TAW] -16.52

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	34.22	-	2.55	-
3.00	54.96	0.62	2.82	33.81
1.50	63.45	0.44	3.34	28.04
0.00	102.19	0.41	3.78	41.68
-1.50	102.07	0.18	3.95	18.13
-3.00	109.89	0.02	4.02	1.99
-4.50	138.18	-0.01	4.35	-2.17
-6.00	150.63	-0.14	4.54	-21.37
-7.50	167.95	-0.18	4.80	-29.82
-9.00	207.75	-0.33	4.99	-68.58
-10.50	214.37	-0.45	5.63	-95.83
-12.00	229.93	-0.48	5.89	-109.55
-13.50	209.90	-0.49	5.94	-103.06
-15.00	316.36	-	5.95	-
-16.50	351.26	-	5.94	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588702
Northing [m UTM31-WGS84] 5684322
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 173943
Water level [m TAW] 4.78
Water-bottom interface [m TAW] -16.22

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	31.37	-	2.80	-
1.50	46.93	0.30	3.70	14.11
0.00	52.01	0.24	4.23	12.75
-1.50	57.96	0.04	4.42	2.19
-3.00	77.26	-0.04	4.79	-3.59
-4.50	125.41	-0.07	5.18	-9.01
-6.00	161.31	-0.09	5.49	-15.05
-7.50	155.93	-0.17	5.80	-26.47
-9.00	137.28	-0.19	5.98	-26.61
-10.50	141.27	-0.19	6.10	-27.04
-12.00	139.63	-0.20	6.35	-28.46
-13.50	148.35	-0.19	6.43	-28.88
-15.00	217.53	-	6.47	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

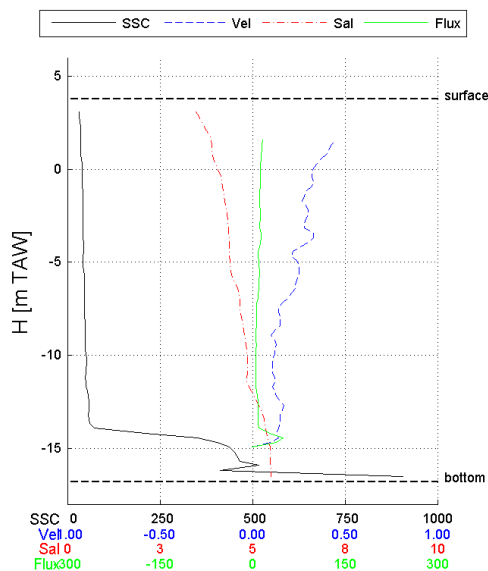
Siltprofiler, ADCP

Sourcefile(s):

7216Ye_1_00.txt
7233Ye_1_00.txt

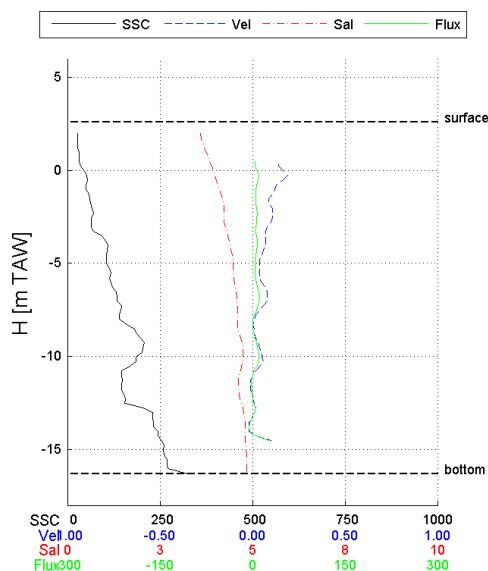
Location:

Deurganckdok Ye



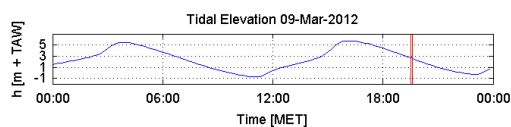
Easting [m UTM31-WGS84] 588728
Northing [m UTM31-WGS84] 5684325
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 183512
Water level [m TAW] 3.76
Water-bottom interface [m TAW] -16.79

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	31.52	-	3.50	-
1.50	35.92	0.44	3.89	15.82
0.00	39.29	0.33	4.06	12.89
-1.50	41.07	0.28	4.24	11.55
-3.00	41.99	0.28	4.34	11.94
-4.50	43.43	0.22	4.38	9.50
-6.00	46.15	0.24	4.50	10.90
-7.50	46.90	0.14	4.67	6.46
-9.00	48.69	0.11	4.79	5.32
-10.50	51.05	0.11	4.87	5.73
-12.00	54.93	0.12	4.99	6.88
-13.50	59.21	0.15	5.32	8.92
-15.00	440.55	-	5.48	-
-16.50	906.51	-	5.50	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588741
Northing [m UTM31-WGS84] 5684304
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 193159
Water level [m TAW] 2.60
Water-bottom interface [m TAW] -16.32

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.58	-	3.65	-
0.00	44.13	0.17	3.93	7.18
-1.50	60.95	0.09	4.20	5.74
-3.00	63.53	0.08	4.27	5.04
-4.50	106.45	0.05	4.45	5.18
-6.00	116.87	0.05	4.51	6.19
-7.50	143.97	0.04	4.61	6.41
-9.00	195.98	0.02	4.68	4.17
-10.50	170.49	0.04	4.71	7.11
-12.00	152.14	-0.00	4.64	-0.54
-13.50	232.34	-0.02	4.81	-3.75
-15.00	259.66	-	4.83	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

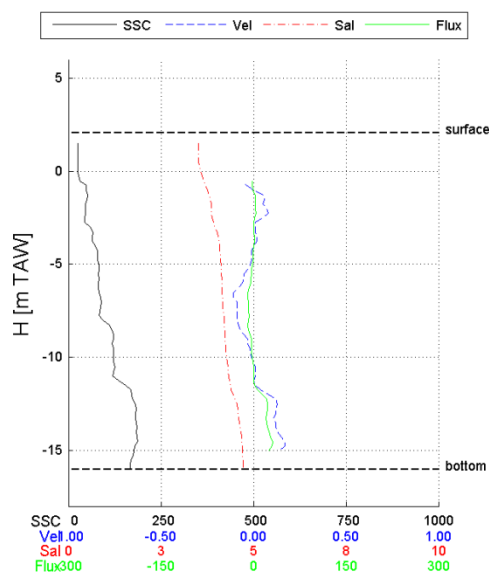
Siltprofiler, ADCP

Sourcefile(s):

7245Ye_1_00.txt

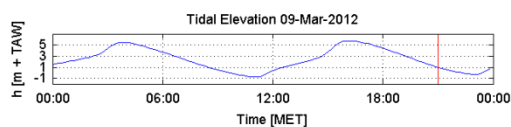
Location:

Deurganckdok Ye



Easting [m UTM31-WGS84] 588706
Northing [m UTM31-WGS84] 5684301
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 195925
Water level [m TAW] 2.05
Water-bottom interface [m TAW] -16.04

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	26.33	-	3.51	-
0.00	25.50	-	3.58	-
-1.50	49.93	0.06	3.85	2.81
-3.00	59.98	0.01	3.97	0.73
-4.50	79.62	-0.01	4.10	-0.75
-6.00	81.60	-0.06	4.14	-4.80
-7.50	85.71	-0.09	4.20	-7.43
-9.00	121.36	-0.03	4.24	-3.77
-10.50	125.15	0.01	4.31	0.72
-12.00	171.60	0.08	4.45	14.32
-13.50	183.58	0.12	4.62	21.83
-15.00	177.77	0.14	4.70	25.30
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:

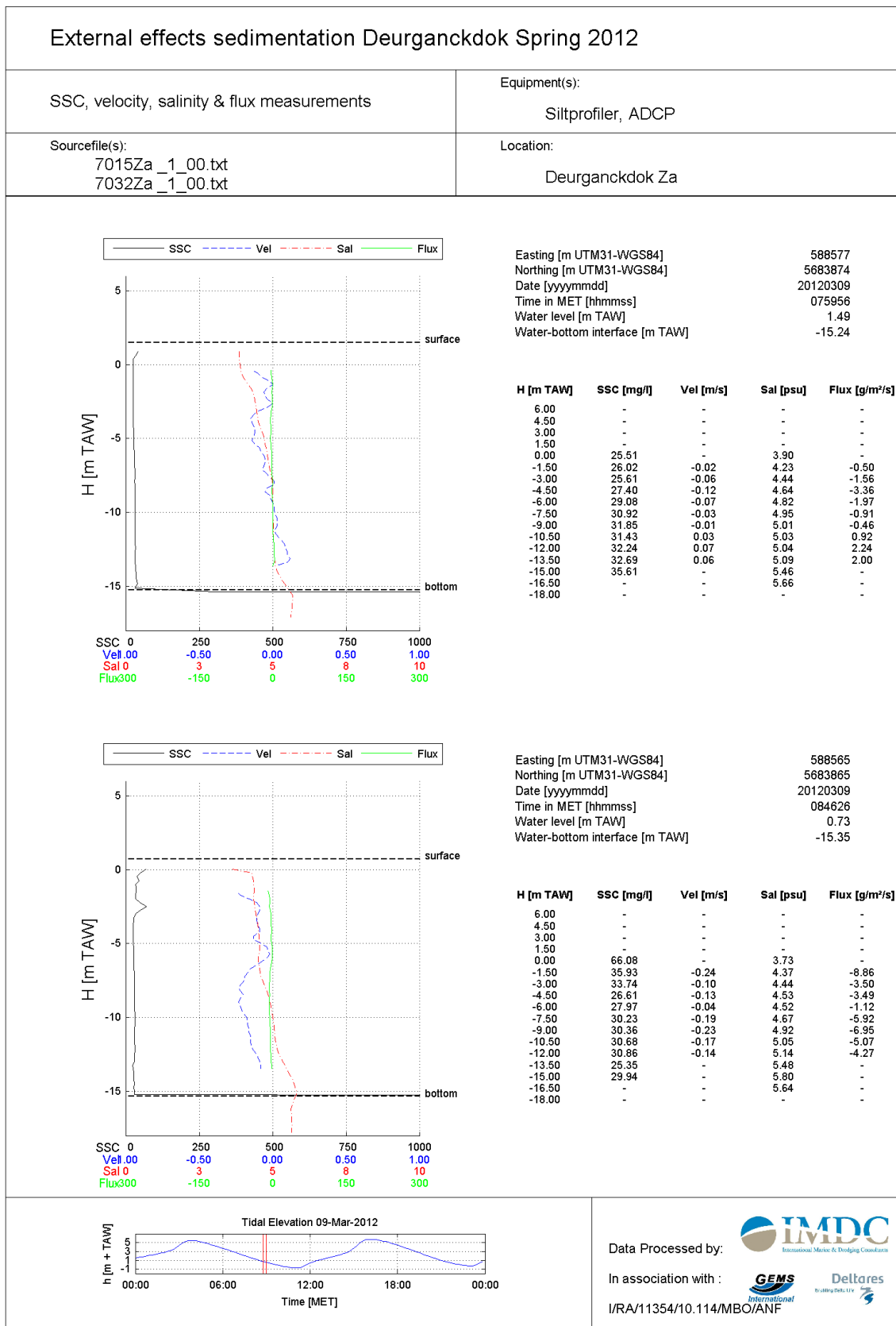


In association with:



I/RA/11354/10.114/MBO/ANF

C.13 Location Za



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

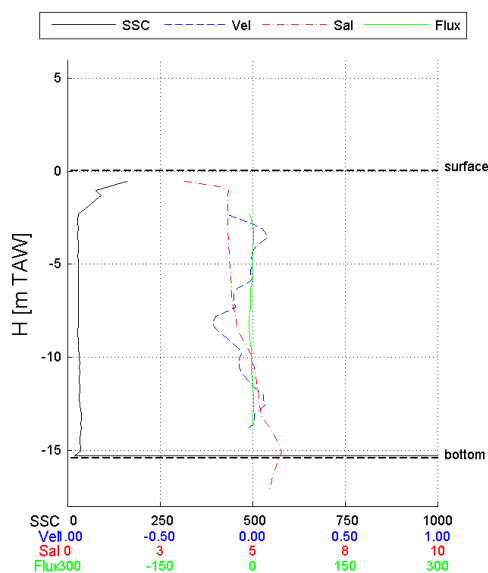
Siltprofiler, ADCP

Sourcefile(s):

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7066Za_1_00.txt

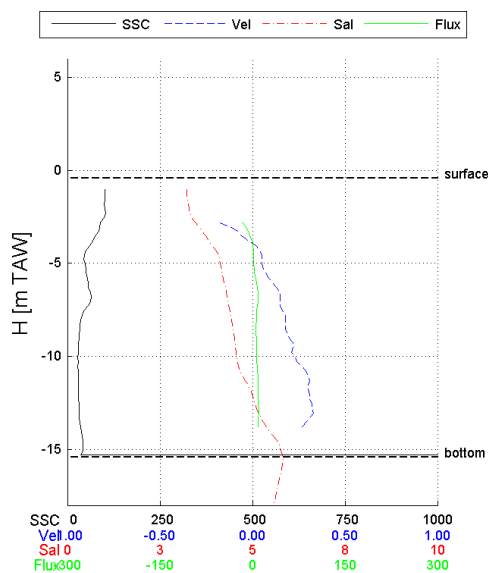
Location:

Deurganckdok Za



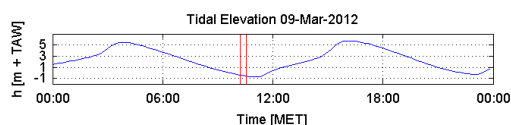
Easting [m UTM31-WGS84] 588577
Northing [m UTM31-WGS84] 5683862
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 093308
Water level [m TAW] 0.05
Water-bottom interface [m TAW] -15.43

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	77.50	-	4.33	-
-3.00	28.54	0.04	4.34	1.11
-4.50	28.27	-0.01	4.38	-0.13
-6.00	29.53	-0.02	4.43	-0.83
-7.50	29.24	-0.13	4.50	-3.88
-9.00	29.14	-0.14	4.73	-3.89
-10.50	32.60	-0.07	5.04	-2.24
-12.00	32.36	0.05	5.17	1.60
-13.50	36.87	0.01	5.37	0.52
-15.00	35.68	-	5.78	-
-16.50	-	-	5.54	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588562
Northing [m UTM31-WGS84] 5683889
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 101321
Water level [m TAW] -0.41
Water-bottom interface [m TAW] -15.40

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	100.91	-	3.24	-
-3.00	87.86	-0.13	3.54	-11.02
-4.50	46.20	0.05	4.07	2.17
-6.00	55.42	0.11	4.24	6.23
-7.50	46.05	0.16	4.39	7.18
-9.00	31.57	0.20	4.51	6.27
-10.50	28.52	0.27	4.62	7.62
-12.00	29.66	0.31	4.98	9.22
-13.50	32.77	0.29	5.28	9.46
-15.00	41.93	-	5.76	-
-16.50	-	-	5.73	-
-18.00	-	-	5.57	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

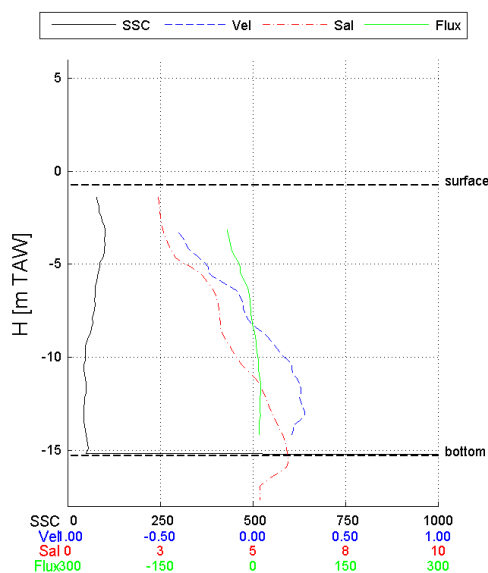
Siltprofiler, ADCP

Sourcefile(s):

7084Za_1_00.txt
7101Za_1_00.txt

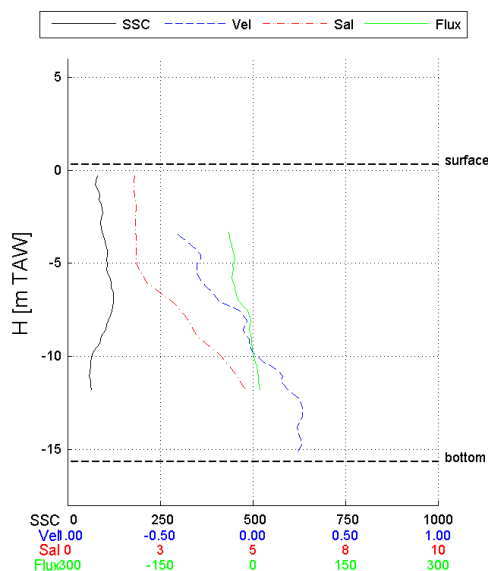
Location:

Deurganckdok Za



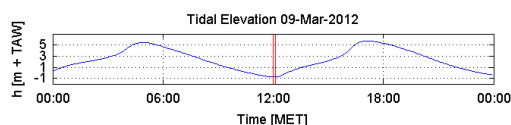
Easting [m UTM31-WGS84] 588554
Northing [m UTM31-WGS84] 5683857
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 110648
Water level [m TAW] -0.75
Water-bottom interface [m TAW] -15.28

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	80.26	-	2.45	-
-3.00	100.82	-	2.56	-
-4.50	97.59	-0.31	2.87	-30.34
-6.00	77.23	-0.15	3.80	-11.94
-7.50	72.54	-0.05	4.09	-3.28
-9.00	54.26	0.09	4.27	4.59
-10.50	44.15	0.21	4.76	9.18
-12.00	48.74	0.26	5.31	12.30
-13.50	44.24	0.24	5.65	10.61
-15.00	53.82	-	5.93	-
-16.50	-	-	5.47	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588561
Northing [m UTM31-WGS84] 5683878
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 115940
Water level [m TAW] 0.32
Water-bottom interface [m TAW] -15.67

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	85.07	-	1.83	-
-3.00	90.02	-	1.84	-
-4.50	107.59	-0.28	1.86	-30.60
-6.00	116.85	-0.27	2.13	-31.69
-7.50	119.72	-0.08	3.04	-9.14
-9.00	90.03	-0.02	3.56	-2.35
-10.50	63.22	0.09	4.36	5.96
-12.00	-	0.22	-	-
-13.50	-	0.26	-	-
-15.00	-	0.25	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

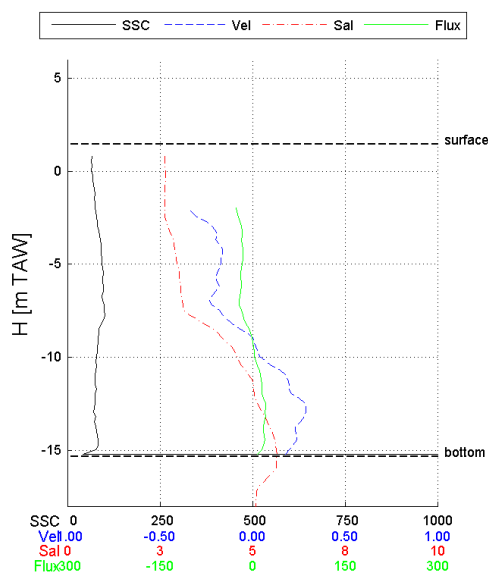
Siltprofiler, ADCP

Sourcefile(s):

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7135Za_1_00.txt

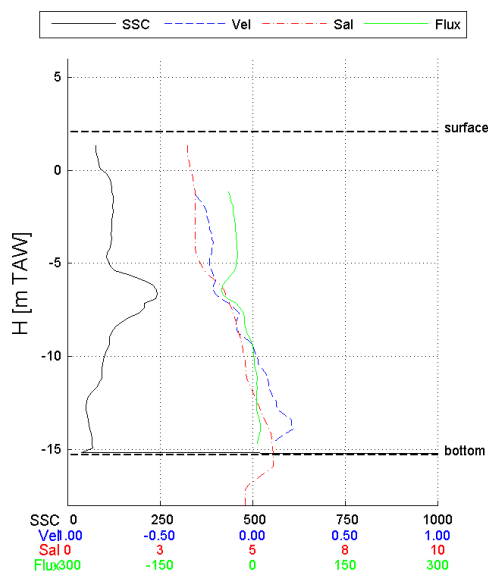
Location:

Deurganckdok Za



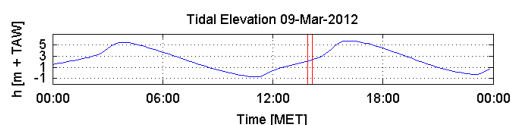
Easting [m UTM31-WGS84] 588570
Northing [m UTM31-WGS84] 5683893
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 130858
Water level [m TAW] 1.47
Water-bottom interface [m TAW] -15.32

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	65.17	-	2.65	-
-1.50	73.27	-	2.63	-
-3.00	81.42	-0.22	2.72	-17.69
-4.50	92.06	-0.16	2.94	-15.04
-6.00	95.92	-0.19	3.05	-17.85
-7.50	99.13	-0.18	3.18	-17.72
-9.00	83.41	0.00	4.21	0.04
-10.50	78.33	0.11	4.73	8.84
-12.00	74.99	0.22	5.05	16.36
-13.50	74.11	0.25	5.41	18.57
-15.00	70.60	0.20	5.65	13.91
-16.50	-	-	5.39	-
-18.00	-	-	5.09	-



Easting [m UTM31-WGS84] 588549
Northing [m UTM31-WGS84] 5683884
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 135300
Water level [m TAW] 2.06
Water-bottom interface [m TAW] -15.28

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	95.35	-	3.35	-
-1.50	123.36	-0.29	3.47	-36.01
-3.00	120.14	-0.23	3.46	-27.84
-4.50	106.84	-0.22	3.49	-23.80
-6.00	215.75	-0.20	4.04	-44.43
-7.50	203.00	-0.09	4.45	-18.29
-9.00	113.68	-0.04	4.67	-4.08
-10.50	95.09	0.04	4.81	3.41
-12.00	62.86	0.10	5.04	6.71
-13.50	57.94	0.21	5.36	12.02
-15.00	57.35	-	5.55	-
-16.50	-	-	5.17	-
-18.00	-	-	4.80	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

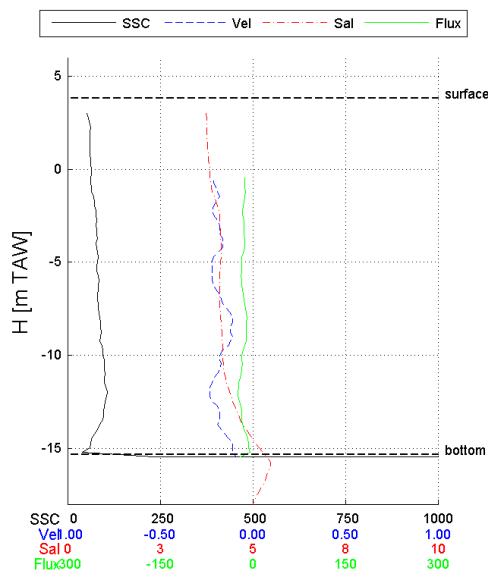
Siltprofiler, ADCP

Sourcefile(s):

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7170Za_1_00.txt

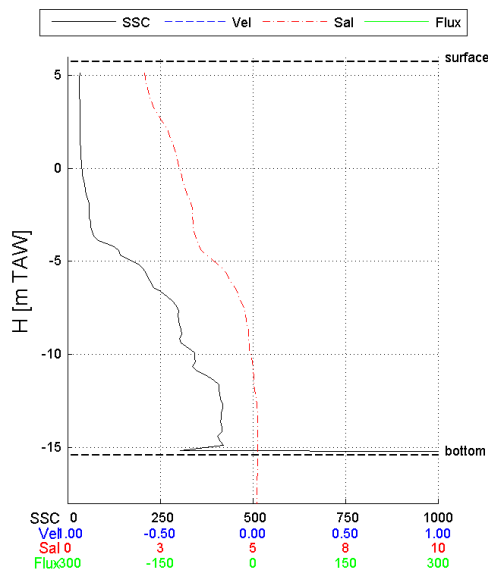
Location:

Deurganckdok Za



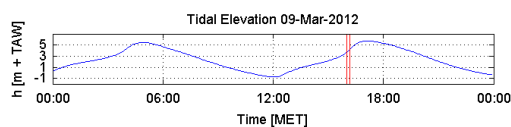
Easting [m UTM31-WGS84] 588574
Northing [m UTM31-WGS84] 5683889
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 150113
Water level [m TAW] 3.81
Water-bottom interface [m TAW] -15.34

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	53.34	-	3.74	-
1.50	61.06	-	3.78	-
0.00	63.75	-	3.84	-
-1.50	70.11	-0.18	3.97	-13.13
-3.00	77.72	-0.18	4.11	-14.18
-4.50	80.49	-0.19	4.15	-15.34
-6.00	84.14	-0.22	4.11	-18.26
-7.50	83.27	-0.14	4.11	-11.35
-9.00	89.52	-0.11	4.17	-10.30
-10.50	99.41	-0.17	4.21	-17.14
-12.00	106.68	-0.23	4.38	-24.21
-13.50	94.04	-0.18	4.68	-17.26
-15.00	56.94	-0.11	5.18	-6.21
-16.50	-	-	5.37	-
-18.00	-	-	5.02	-



Easting [m UTM31-WGS84] 588568
Northing [m UTM31-WGS84] 5683889
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 160925
Water level [m TAW] 5.75
Water-bottom interface [m TAW] -15.40

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	32.29	-	2.14	-
3.00	34.02	-	2.41	-
1.50	34.34	-	2.80	-
0.00	38.91	-	3.03	-
-1.50	52.46	-	3.25	-
-3.00	62.46	-	3.39	-
-4.50	139.65	-	3.67	-
-6.00	221.12	-	4.39	-
-7.50	296.08	-	4.76	-
-9.00	305.34	-	4.89	-
-10.50	342.23	-	5.00	-
-12.00	409.88	-	5.07	-
-13.50	413.42	-	5.13	-
-15.00	376.72	-	5.14	-
-16.50	-	-	5.13	-
-18.00	-	-	5.11	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

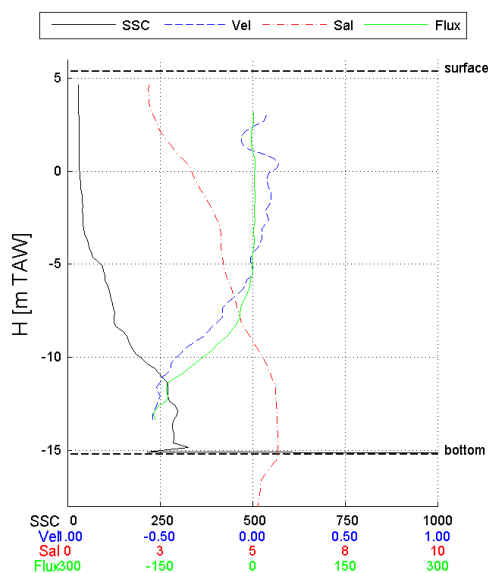
Siltprofiler, ADCP

Sourcefile(s):

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7203Za_1_00.txt

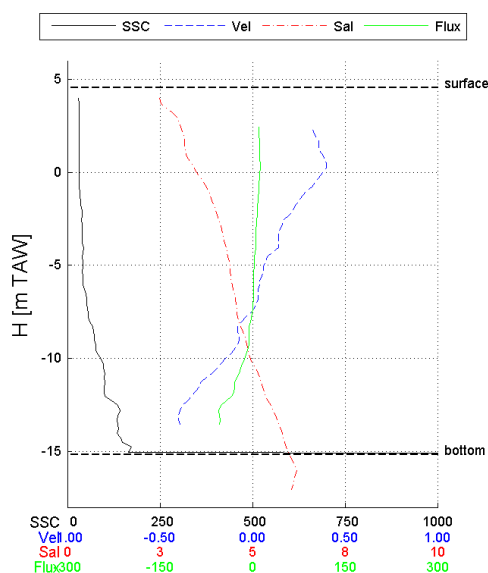
Location:

Deurganckdok Za



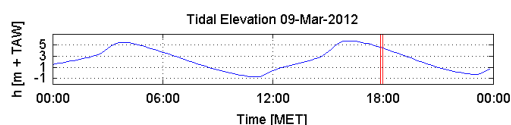
Easting [m UTM31-WGS84] 588561
Northing [m UTM31-WGS84] 5683878
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 165932
Water level [m TAW] 5.35
Water-bottom interface [m TAW] -15.21

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	30.45	-	2.19	-
3.00	30.88	0.07	2.32	2.25
1.50	31.61	-0.05	2.75	-1.73
0.00	33.55	0.10	3.36	3.50
-1.50	39.87	0.10	3.76	3.99
-3.00	42.92	0.06	4.12	2.43
-4.50	67.04	-0.01	4.18	-0.25
-6.00	105.02	-0.04	4.37	-3.38
-7.50	126.53	-0.16	4.61	-20.01
-9.00	162.86	-0.28	4.97	-46.51
-10.50	228.61	-0.44	5.42	-99.98
-12.00	271.69	-0.50	5.63	-137.83
-13.50	286.05	-	5.67	-
-15.00	258.44	-	5.68	-
-16.50	-	-	5.27	-
-18.00	-	-	5.13	-



Easting [m UTM31-WGS84] 588575
Northing [m UTM31-WGS84] 5683868
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 175233
Water level [m TAW] 4.57
Water-bottom interface [m TAW] -15.16

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	31.77	-	2.94	-
1.50	31.15	0.36	3.17	11.16
0.00	30.83	0.38	3.49	11.67
-1.50	36.37	0.25	3.91	9.02
-3.00	39.07	0.15	4.16	5.81
-4.50	40.64	0.08	4.34	3.40
-6.00	42.27	0.04	4.45	1.53
-7.50	55.67	-0.01	4.59	-0.61
-9.00	73.21	-0.07	4.82	-5.21
-10.50	97.07	-0.19	5.08	-18.35
-12.00	101.28	-0.33	5.35	-33.35
-13.50	135.36	-0.39	5.71	-52.98
-15.00	166.02	-	5.96	-
-16.50	-	-	6.13	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

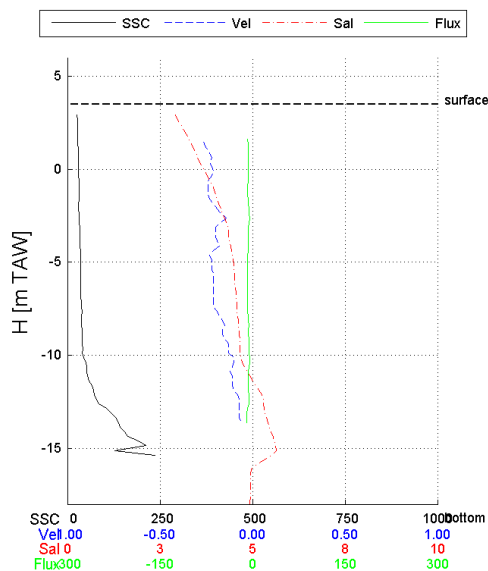
Siltprofiler, ADCP

Sourcefile(s):

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7238Za_1_00.txt

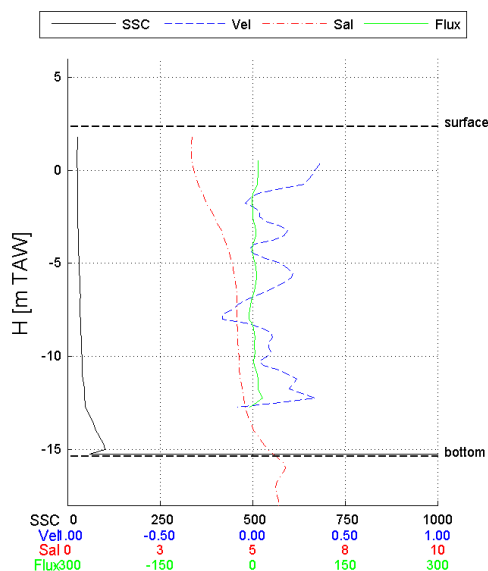
Location:

Deurganckdok Za



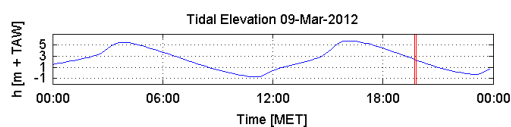
Easting [m UTM31-WGS84] 588567
Northing [m UTM31-WGS84] 5683887
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 184826
Water level [m TAW] 3.49
Water-bottom interface [m TAW] -18.94

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.84	-0.26	3.33	-7.31
0.00	30.56	-0.21	3.68	-6.69
-1.50	31.14	-0.23	4.03	-7.24
-3.00	32.42	-0.19	4.32	-6.15
-4.50	35.76	-0.22	4.45	-7.80
-6.00	35.81	-0.21	4.52	-7.42
-7.50	38.12	-0.20	4.59	-7.56
-9.00	40.38	-0.15	4.66	-6.18
-10.50	51.55	-0.11	4.77	-5.39
-12.00	71.98	-0.09	5.22	-6.40
-13.50	136.00	-0.06	5.40	-9.10
-15.00	164.13	-	5.64	-
-16.50	-	-	4.94	-
-18.00	-	-	4.93	-



Easting [m UTM31-WGS84] 588669
Northing [m UTM31-WGS84] 5684039
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 194304
Water level [m TAW] 2.37
Water-bottom interface [m TAW] -15.36

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	26.82	-	3.36	-
0.00	26.90	0.34	3.42	9.16
-1.50	28.15	-0.01	3.70	-0.40
-3.00	28.71	0.15	4.10	4.30
-4.50	30.29	0.01	4.38	0.32
-6.00	33.53	0.18	4.54	5.93
-7.50	34.60	-0.11	4.59	-4.04
-9.00	37.84	0.11	4.61	3.99
-10.50	40.39	0.07	4.65	2.70
-12.00	46.13	0.28	4.75	12.82
-13.50	67.85	-	4.94	-
-15.00	101.74	-	5.43	-
-16.50	-	-	5.73	-
-18.00	-	-	5.71	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

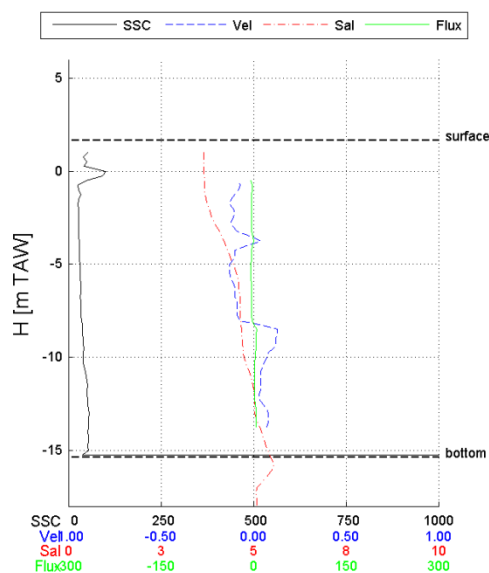
Siltprofiler, ADCP

Sourcefile(s):

7253Za_1_00.txt

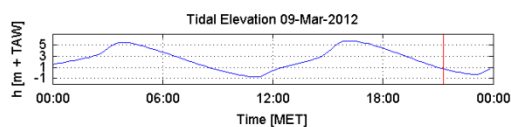
Location:

Deurganckdok Za



Easting [m UTM31-WGS84] 588560
Northing [m UTM31-WGS84] 5683878
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 201806
Water level [m TAW] 1.67
Water-bottom interface [m TAW] -15.37

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	98.97	-	3.66	-
-1.50	26.95	-0.12	3.72	-3.09
-3.00	27.79	-0.11	4.01	-2.95
-4.50	30.17	-0.10	4.35	-3.16
-6.00	33.07	-0.11	4.60	-3.54
-7.50	34.13	-0.09	4.64	-3.08
-9.00	39.44	0.12	4.70	4.67
-10.50	42.82	0.05	4.83	1.95
-12.00	50.58	0.03	5.02	1.75
-13.50	55.16	0.08	5.12	4.16
-15.00	54.54	-	5.39	-
-16.50	-	-	5.31	-
-18.00	-	-	5.10	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.14 Location Zb

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

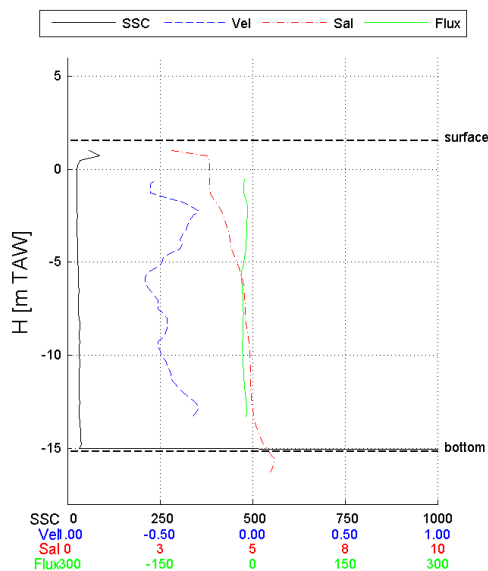
Siltprofiler, ADCP

Sourcefile(s):

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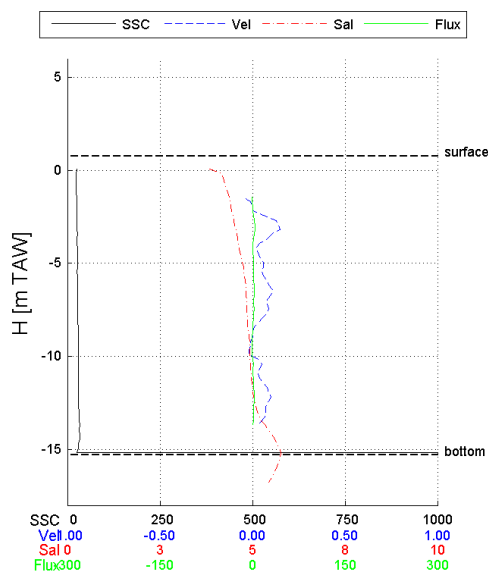
Location:

Deurganckdok Zb



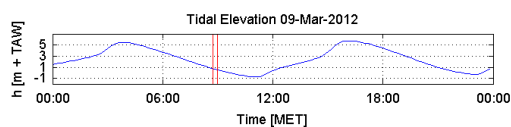
Easting [m UTM31-WGS84] 588632
Northing [m UTM31-WGS84] 5683964
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 075758
Water level [m TAW] 1.52
Water-bottom interface [m TAW] -15.15

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	25.57	-	3.84	-
-1.50	25.55	-0.47	3.93	-12.15
-3.00	26.14	-0.35	4.30	-9.11
-4.50	27.29	-0.44	4.48	-12.08
-6.00	30.24	-0.58	4.74	-17.60
-7.50	29.64	-0.51	4.80	-15.00
-9.00	32.56	-0.48	4.89	-15.68
-10.50	33.08	-0.46	4.94	-15.27
-12.00	32.08	-0.37	4.96	-11.84
-13.50	33.69	-	5.07	-
-15.00	32.48	-	5.38	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588620
Northing [m UTM31-WGS84] 5683945
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 084405
Water level [m TAW] 0.76
Water-bottom interface [m TAW] -15.31

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	24.60	-	3.94	-
-1.50	24.73	-0.04	4.38	-0.90
-3.00	25.93	0.14	4.53	3.76
-4.50	27.15	0.03	4.68	0.97
-6.00	27.35	0.08	4.81	2.20
-7.50	28.15	0.09	4.85	2.52
-9.00	29.07	-0.00	4.91	-0.17
-10.50	29.83	0.05	4.94	1.41
-12.00	30.34	0.09	5.03	2.88
-13.50	32.73	0.04	5.26	1.39
-15.00	29.12	-	5.73	-
-16.50	-	-	5.52	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

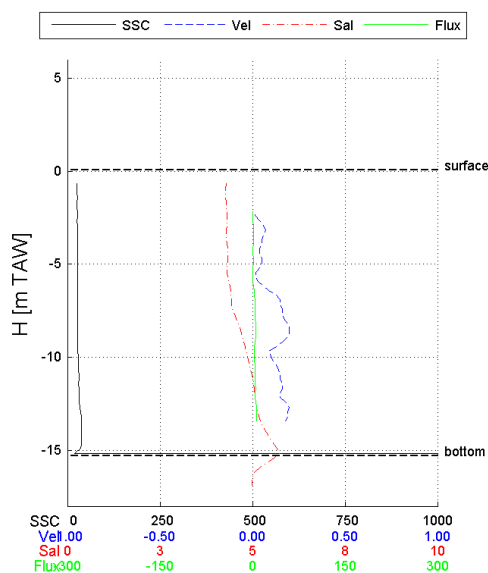
Siltprofiler, ADCP

Sourcefile(s):

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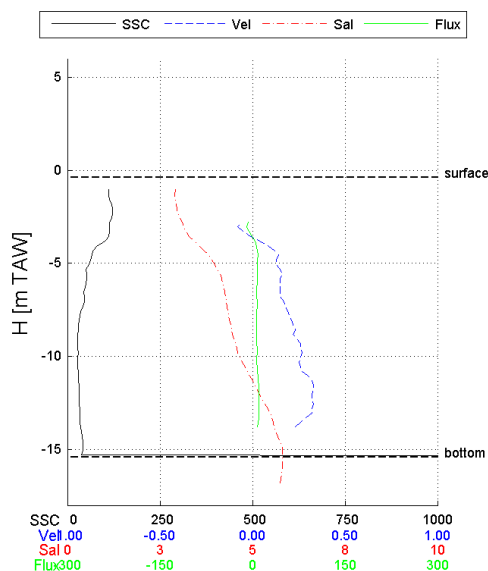
Location:

Deurganckdok Zb



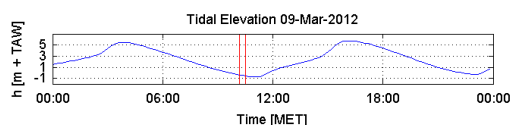
Easting [m UTM31-WGS84] 588623
Northing [m UTM31-WGS84] 5683954
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 093053
Water level [m TAW] 0.07
Water-bottom interface [m TAW] -15.28

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	26.81	-	4.28	-
-3.00	27.03	0.06	4.31	1.77
-4.50	27.38	0.04	4.34	1.24
-6.00	27.45	0.04	4.37	1.22
-7.50	27.67	0.16	4.48	4.35
-9.00	27.93	0.18	4.74	4.96
-10.50	29.90	0.13	4.94	3.95
-12.00	31.60	0.15	5.07	4.72
-13.50	37.23	-	5.24	-
-15.00	29.02	-	5.68	-
-16.50	-	-	5.00	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588608
Northing [m UTM31-WGS84] 5683940
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 101141
Water level [m TAW] -0.39
Water-bottom interface [m TAW] -15.42

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	113.51	-	2.91	-
-3.00	113.53	-0.08	3.14	-8.96
-4.50	67.10	0.14	3.80	8.99
-6.00	51.00	0.15	4.19	7.62
-7.50	37.62	0.19	4.34	7.15
-9.00	27.59	0.24	4.49	6.57
-10.50	28.18	0.26	4.78	7.33
-12.00	31.90	0.32	5.19	10.23
-13.50	34.53	0.26	5.55	9.24
-15.00	41.74	-	5.81	-
-16.50	-	-	5.77	-
-18.00	-	-	-	-



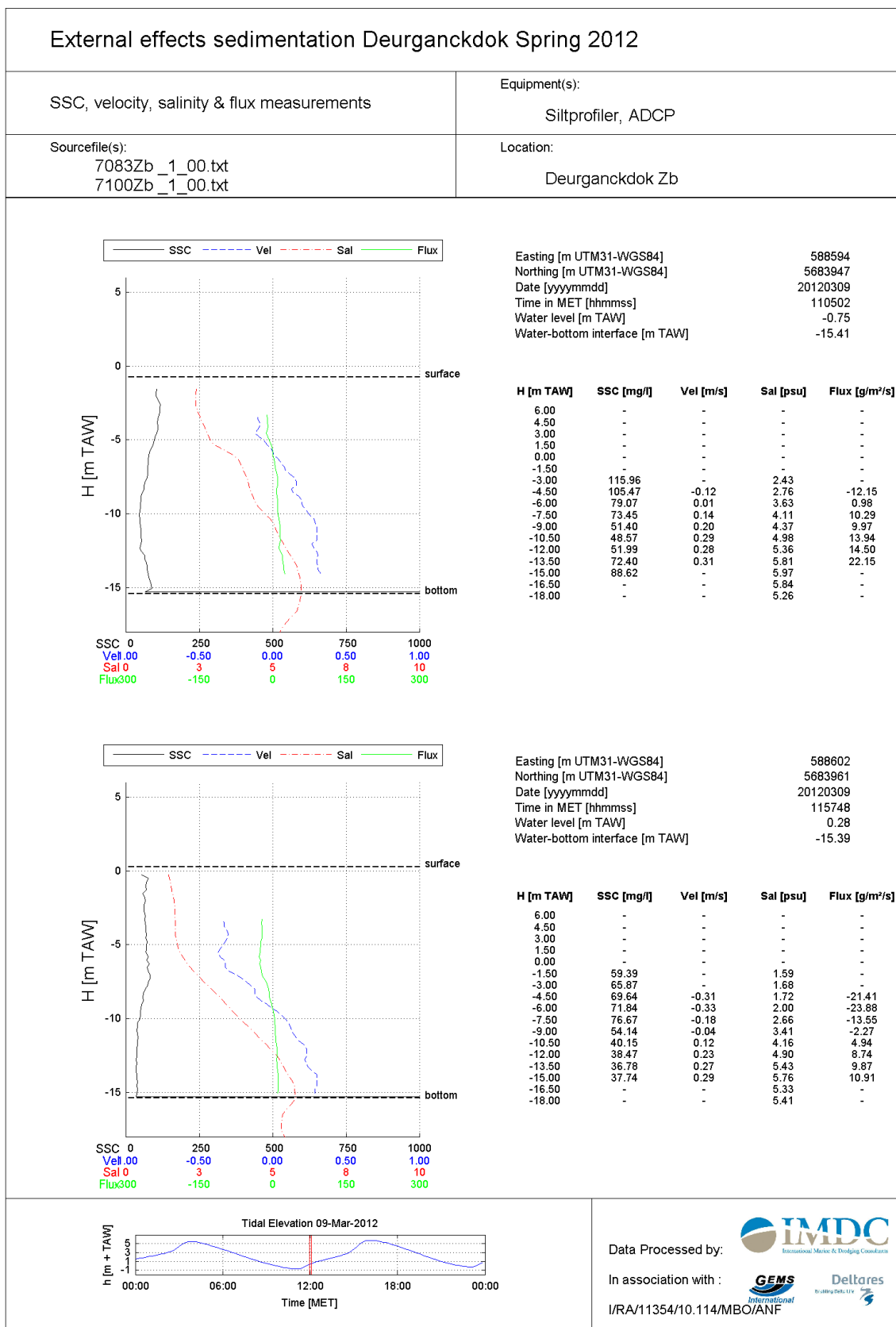
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

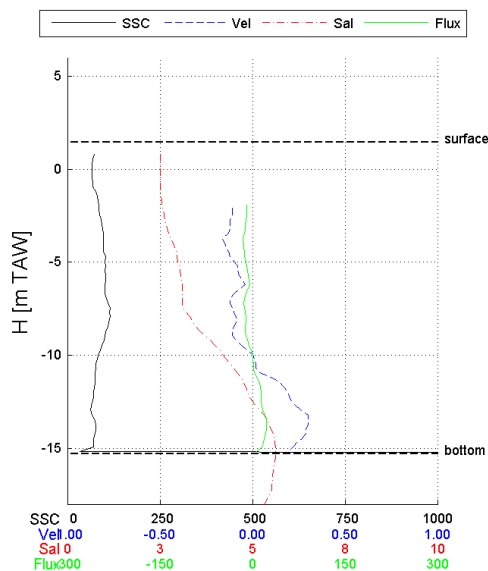
Siltprofiler, ADCP

Sourcefile(s):

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7134Zb_1_00.txt

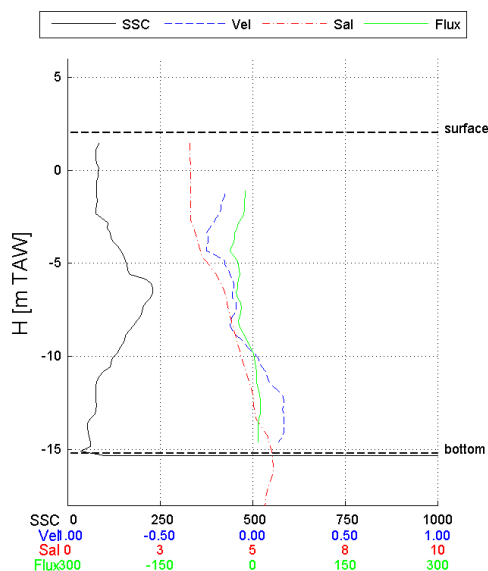
Location:

Deurganckdok Zb



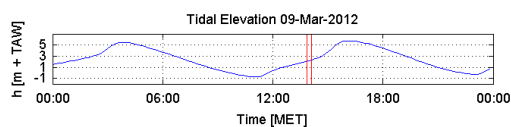
Easting [m UTM31-WGS84] 588603
Northing [m UTM31-WGS84] 5683966
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 130641
Water level [m TAW] 1.44
Water-bottom interface [m TAW] -15.31

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	67.27	-	2.50	-
-1.50	80.57	-	2.53	-
-3.00	93.73	-0.12	2.68	-11.17
-4.50	99.44	-0.13	2.95	-12.65
-6.00	103.87	-0.05	3.08	-5.21
-7.50	115.94	-0.11	3.15	-12.55
-9.00	100.99	-0.10	3.75	-10.02
-10.50	77.48	0.02	4.42	1.47
-12.00	71.44	0.19	4.87	13.58
-13.50	74.21	0.30	5.40	22.43
-15.00	59.97	0.21	5.62	12.66
-16.50	-	-	5.55	-
-18.00	-	-	5.31	-



Easting [m UTM31-WGS84] 588595
Northing [m UTM31-WGS84] 5683955
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 135043
Water level [m TAW] 2.02
Water-bottom interface [m TAW] -15.22

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	83.05	-	3.34	-
-1.50	80.05	-0.16	3.33	-12.58
-3.00	108.78	-0.22	3.39	-24.29
-4.50	149.17	-0.21	3.62	-32.13
-6.00	220.78	-0.10	4.13	-23.06
-7.50	202.19	-0.09	4.36	-18.30
-9.00	155.06	-0.07	4.56	-10.83
-10.50	115.77	0.05	4.77	5.35
-12.00	77.13	0.15	4.99	11.40
-13.50	57.24	0.17	5.15	9.88
-15.00	45.87	-	5.52	-
-16.50	-	-	5.51	-
-18.00	-	-	5.34	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

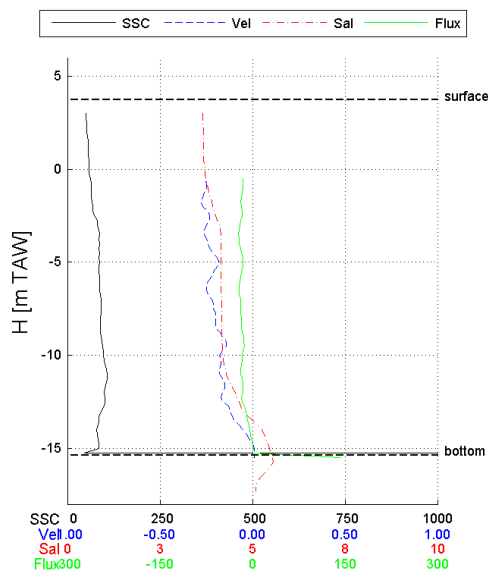
Siltprofiler, ADCP

Sourcefile(s):

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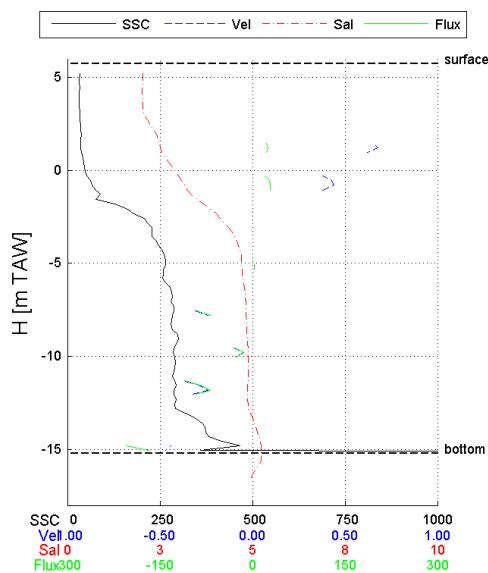
Location:

Deurganckdok Zb



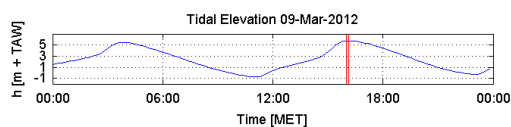
Easting [m UTM31-WGS84] 588614
Northing [m UTM31-WGS84] 5683957
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 145920
Water level [m TAW] 3.72
Water-bottom interface [m TAW] -15.36

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	50.20	-	3.66	-
1.50	55.56	-	3.68	-
0.00	59.23	-	3.71	-
-1.50	65.23	-0.27	3.86	-17.74
-3.00	81.20	-0.25	4.10	-19.92
-4.50	87.05	-0.21	4.14	-17.92
-6.00	86.08	-0.24	4.14	-20.61
-7.50	91.88	-0.21	4.17	-18.80
-9.00	91.59	-0.16	4.18	-14.50
-10.50	102.09	-0.17	4.24	-17.61
-12.00	100.31	-0.16	4.53	-16.01
-13.50	85.80	-0.10	5.00	-8.15
-15.00	85.88	0.01	5.46	0.65
-16.50	-	-	5.24	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588685
Northing [m UTM31-WGS84] 5684029
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 160655
Water level [m TAW] 5.75
Water-bottom interface [m TAW] -15.19

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	32.98	-	2.02	-
3.00	33.35	-	2.07	-
1.50	35.60	-	2.47	-
0.00	47.11	-	2.91	-
-1.50	79.57	-	3.47	-
-3.00	225.47	-	4.33	-
-4.50	260.54	-	4.69	-
-6.00	263.92	-	4.76	-
-7.50	287.87	-	4.83	-
-9.00	299.80	-	4.86	-
-10.50	291.09	-	4.89	-
-12.00	288.33	-0.30	4.87	-87.31
-13.50	358.41	-	5.04	-
-15.00	384.83	-0.46	5.23	-176.55
-16.50	-	-	4.96	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

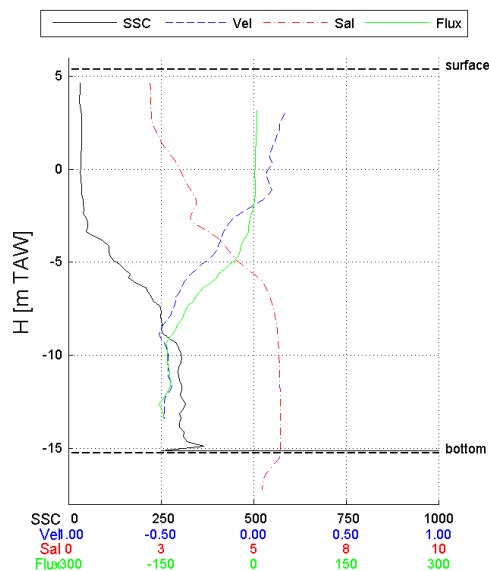
Siltprofiler, ADCP

Sourcefile(s):

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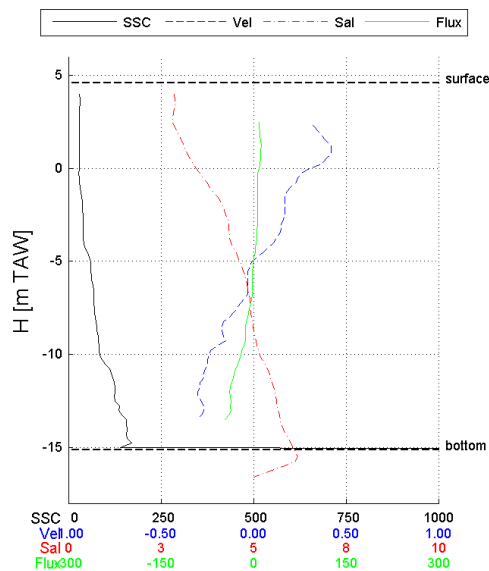
Location:

Deurganckdok Zb



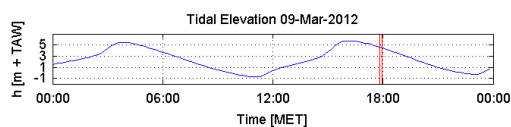
Easting [m UTM31-WGS84] 588613
Northing [m UTM31-WGS84] 5683955
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 165739
Water level [m TAW] 5.37
Water-bottom interface [m TAW] -15.24

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	32.56	-	2.22	-
3.00	35.05	0.17	2.24	5.84
1.50	36.19	0.11	2.50	4.04
0.00	32.87	0.08	3.01	2.55
-1.50	37.99	0.06	3.42	2.28
-3.00	51.55	-0.14	3.49	-7.21
-4.50	110.67	-0.21	4.38	-23.26
-6.00	175.28	-0.37	5.23	-65.22
-7.50	248.85	-0.44	5.54	-108.83
-9.00	266.42	-0.50	5.66	-133.82
-10.50	301.48	-0.46	5.70	-138.68
-12.00	304.43	-0.46	5.72	-139.79
-13.50	302.04	-	5.72	-
-15.00	307.26	-	5.72	-
-16.50	-	-	5.30	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588625
Northing [m UTM31-WGS84] 5683946
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 175033
Water level [m TAW] 4.60
Water-bottom interface [m TAW] -15.13

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	29.72	-	2.83	-
1.50	29.48	0.39	3.06	11.54
0.00	28.71	0.31	3.45	8.81
-1.50	35.86	0.17	4.01	6.28
-3.00	40.29	0.15	4.33	6.19
-4.50	51.26	0.05	4.62	2.67
-6.00	63.33	-0.03	4.81	-1.88
-7.50	70.07	-0.09	4.91	-6.26
-9.00	80.49	-0.16	5.04	-13.13
-10.50	99.51	-0.25	5.31	-25.12
-12.00	125.91	-0.30	5.58	-38.16
-13.50	157.18	-0.30	5.72	-46.30
-15.00	141.05	-	6.07	-
-16.50	-	-	5.13	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

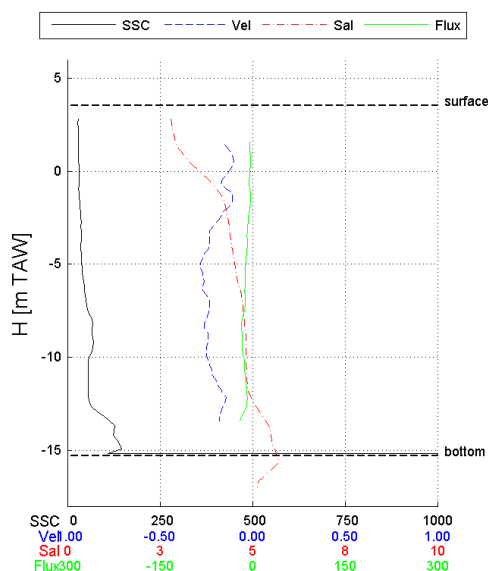
Siltprofiler, ADCP

Sourcefile(s):

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7237Zb_1_00.txt

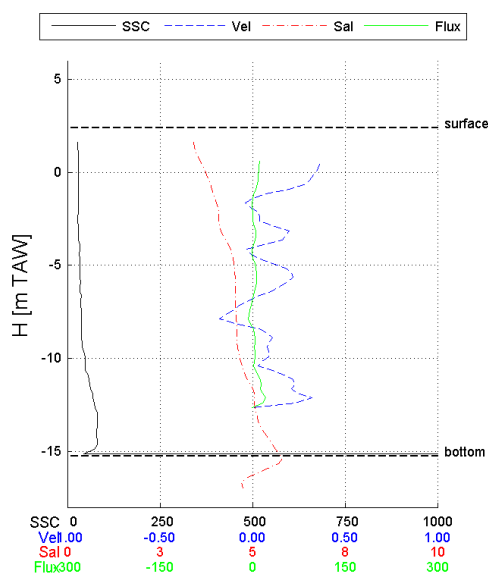
Location:

Deurganckdok Zb



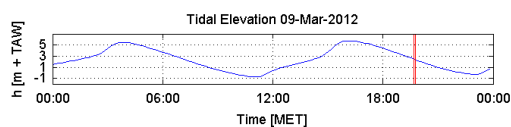
Easting [m UTM31-WGS84] 588617
Northing [m UTM31-WGS84] 5683956
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 184633
Water level [m TAW] 3.53
Water-bottom interface [m TAW] -15.30

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	29.28	-0.16	2.93	-4.53
0.00	32.05	-0.13	3.57	-4.16
-1.50	32.68	-0.11	4.22	-3.55
-3.00	37.00	-0.22	4.37	-7.98
-4.50	37.36	-0.26	4.49	-9.69
-6.00	44.77	-0.26	4.62	-11.84
-7.50	55.31	-0.23	4.76	-13.00
-9.00	69.87	-0.24	4.82	-16.56
-10.50	56.32	-0.23	4.83	-12.82
-12.00	56.23	-0.15	4.92	-8.63
-13.50	117.59	-	5.39	-
-15.00	136.78	-	5.61	-
-16.50	-	-	5.25	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588669
Northing [m UTM31-WGS84] 5684039
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 194125
Water level [m TAW] 2.40
Water-bottom interface [m TAW] -15.26

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.47	-	3.42	-
0.00	29.64	0.34	3.74	10.09
-1.50	29.46	-0.02	4.01	-0.43
-3.00	29.74	0.16	4.12	4.55
-4.50	32.81	0.01	4.45	0.38
-6.00	34.98	0.17	4.53	6.07
-7.50	37.86	-0.12	4.55	-4.45
-9.00	39.68	0.10	4.58	4.17
-10.50	49.04	0.07	4.74	3.28
-12.00	68.44	0.28	5.05	19.06
-13.50	81.60	-	5.18	-
-15.00	59.22	-	5.67	-
-16.50	-	-	4.80	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

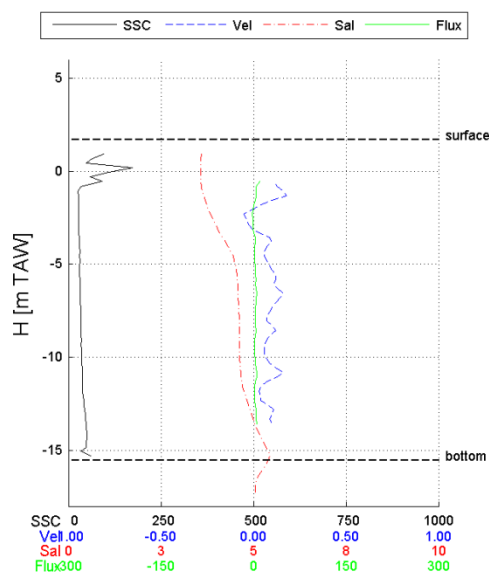
Siltprofiler, ADCP

Sourcefile(s):

7252Zb_1_00.txt

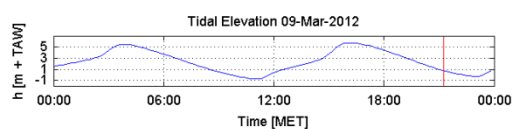
Location:

Deurganckdok Zb



Easting [m UTM31-WGS84] 588609
Northing [m UTM31-WGS84] 5683951
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 201625
Water level [m TAW] 1.70
Water-bottom interface [m TAW] -15.52

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	124.76	-	3.58	-
-1.50	27.35	0.12	3.69	3.30
-3.00	27.64	-0.01	4.01	-0.33
-4.50	30.48	0.06	4.44	1.94
-6.00	31.08	0.11	4.57	3.60
-7.50	33.90	0.09	4.61	3.09
-9.00	34.87	0.07	4.63	2.50
-10.50	36.72	0.11	4.64	4.25
-12.00	39.80	0.04	4.77	1.41
-13.50	47.43	0.10	5.02	4.75
-15.00	37.74	-	5.38	-
-16.50	-	-	5.09	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.15 Location Zc

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

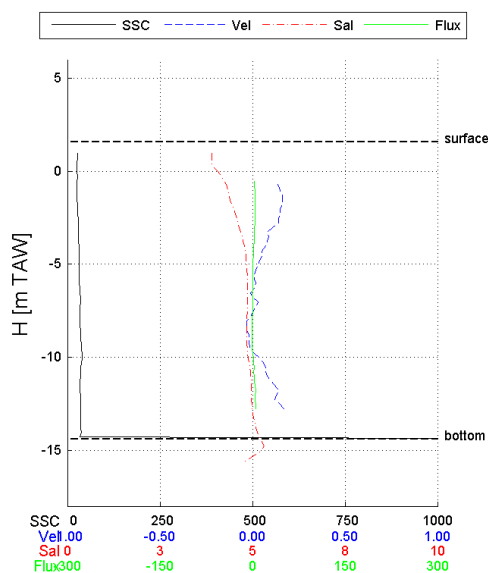
Siltprofiler, ADCP

Sourcefile(s):

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7030Zc_1_00.txt

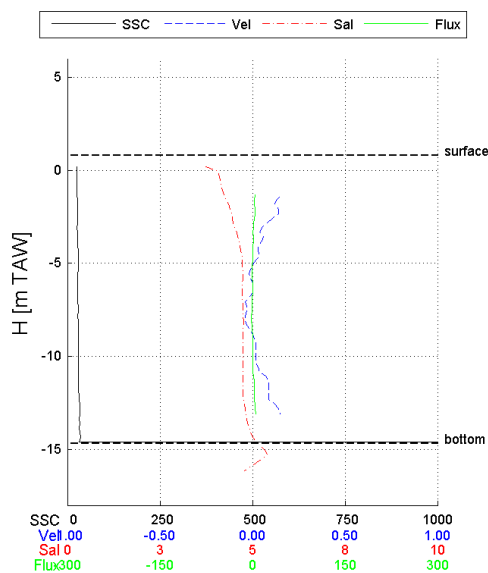
Location:

Deurganckdok Zc



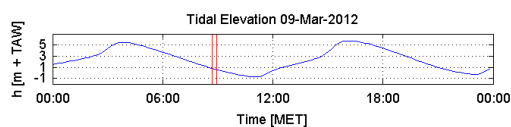
Easting [m UTM31-WGS84] 588675
Northing [m UTM31-WGS84] 5684037
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 075549
Water level [m TAW] 1.56
Water-bottom interface [m TAW] -14.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	26.14	-	4.05	-
-1.50	26.55	0.16	4.40	4.21
-3.00	29.99	0.11	4.65	3.30
-4.50	31.60	0.05	4.82	1.48
-6.00	32.72	0.02	4.87	0.50
-7.50	33.71	0.00	4.86	0.21
-9.00	35.49	-0.02	4.84	-0.84
-10.50	35.70	0.07	4.92	2.52
-12.00	35.35	0.13	4.96	4.75
-13.50	36.63	-	5.07	-
-15.00	-	-	5.23	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588660
Northing [m UTM31-WGS84] 5684022
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 084146
Water level [m TAW] 0.80
Water-bottom interface [m TAW] -14.69

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	25.78	-	3.99	-
-1.50	27.05	0.14	4.28	3.83
-3.00	26.38	0.06	4.51	1.47
-4.50	28.79	0.04	4.71	1.02
-6.00	28.15	-0.00	4.73	0.04
-7.50	29.43	-0.03	4.75	-0.90
-9.00	29.34	0.01	4.75	0.29
-10.50	29.93	0.03	4.74	0.84
-12.00	30.76	0.09	4.75	2.82
-13.50	33.11	-	4.86	-
-15.00	-	-	5.32	-
-16.50	-	-	-	-
-18.00	-	-	-	-



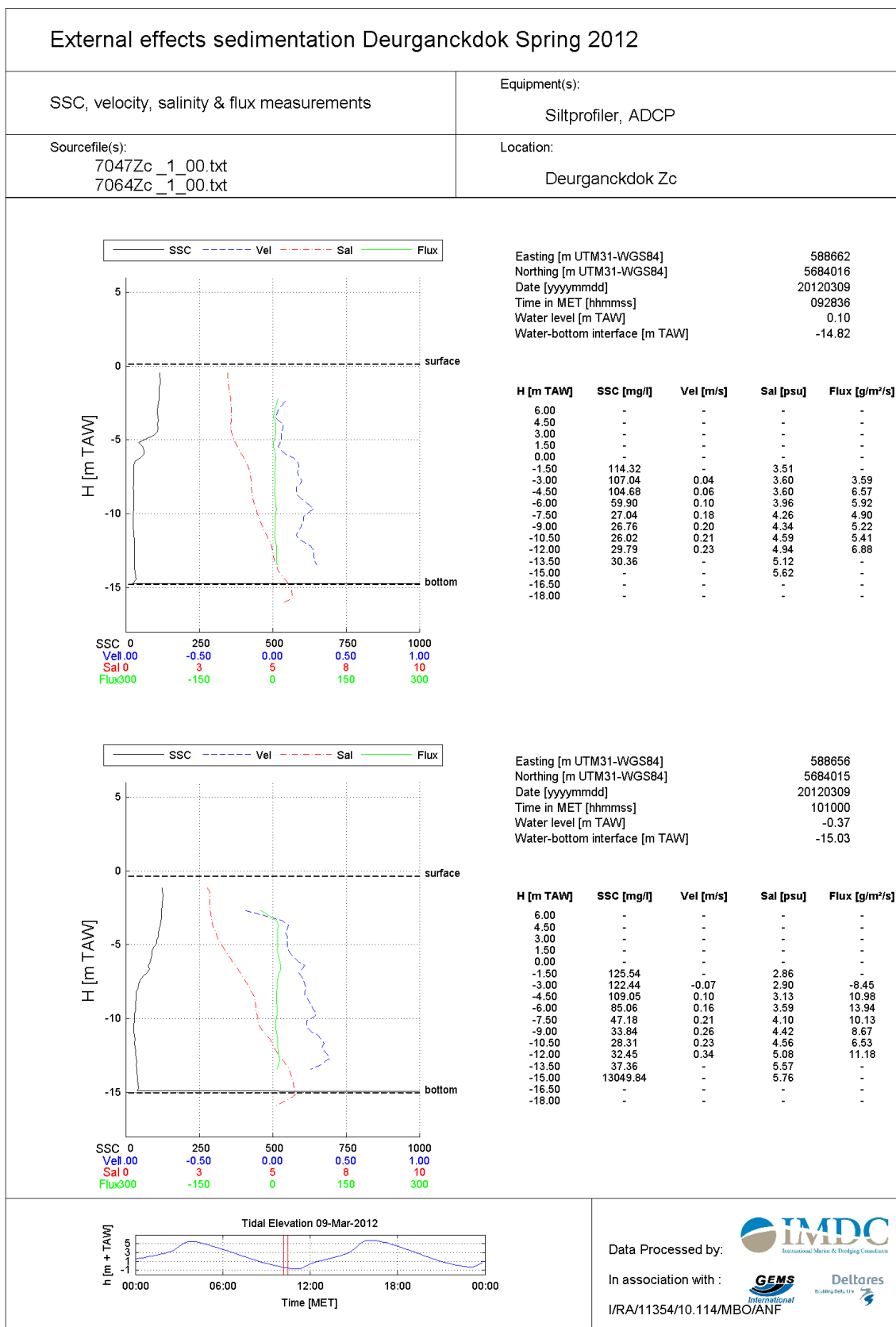
Data Processed by:

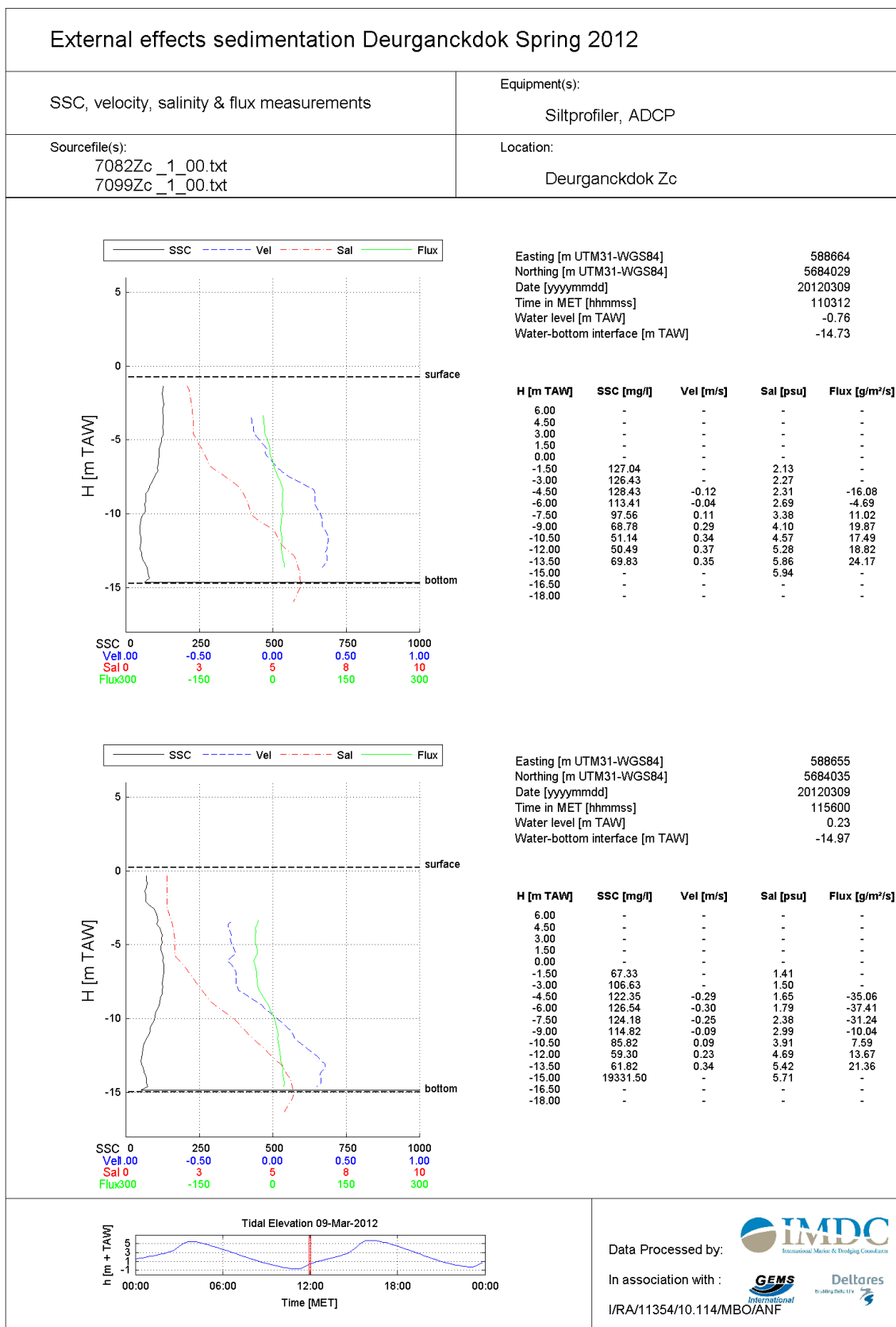


In association with:



I/RA/11354/10.114/MBO/ANF





External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

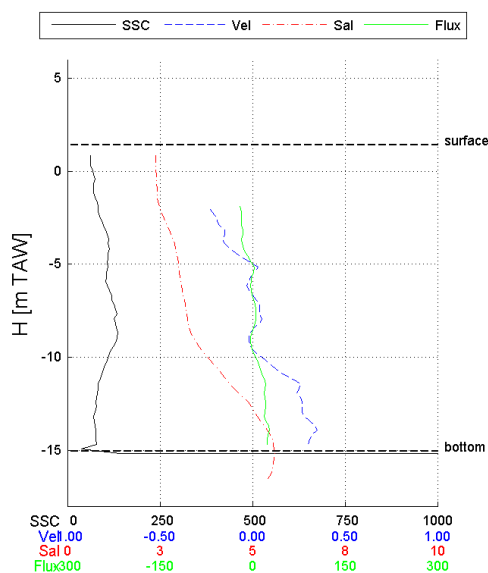
Siltprofiler, ADCP

Sourcefile(s):

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7133Zc_1_00.txt

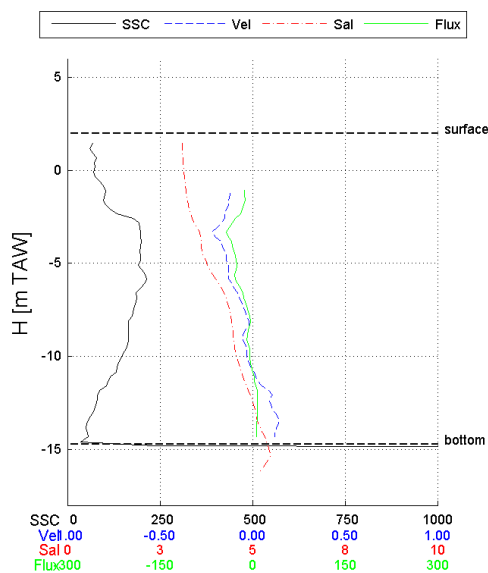
Location:

Deurganckdok Zc



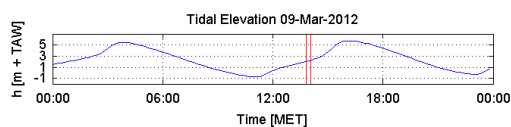
Easting [m UTM31-WGS84] 588637
Northing [m UTM31-WGS84] 5684033
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 130442
Water level [m TAW] 1.41
Water-bottom interface [m TAW] -15.04

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	69.84	-	2.39	-
-1.50	76.69	-	2.44	-
-3.00	100.43	-0.17	2.72	-16.79
-4.50	109.19	-0.08	2.96	-8.58
-6.00	104.25	-0.02	3.07	-2.76
-7.50	132.46	0.04	3.21	5.63
-9.00	133.32	-0.02	3.42	-2.69
-10.50	99.89	0.11	4.01	11.26
-12.00	79.76	0.25	4.68	19.72
-13.50	73.15	0.32	5.25	23.48
-15.00	74.33	-	5.60	-
-16.50	-	-	5.43	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588665
Northing [m UTM31-WGS84] 5684024
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 134757
Water level [m TAW] 1.98
Water-bottom interface [m TAW] -14.70

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	72.42	-	3.15	-
-1.50	98.76	-0.13	3.23	-12.27
-3.00	195.47	-0.18	3.48	-35.72
-4.50	196.89	-0.14	3.65	-28.78
-6.00	209.56	-0.12	4.05	-25.29
-7.50	178.80	-0.04	4.38	-7.56
-9.00	165.39	-0.05	4.49	-8.23
-10.50	135.42	-0.01	4.65	-2.21
-12.00	83.16	0.10	4.92	8.20
-13.50	54.57	0.14	5.15	7.71
-15.00	35476.13	-	5.46	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

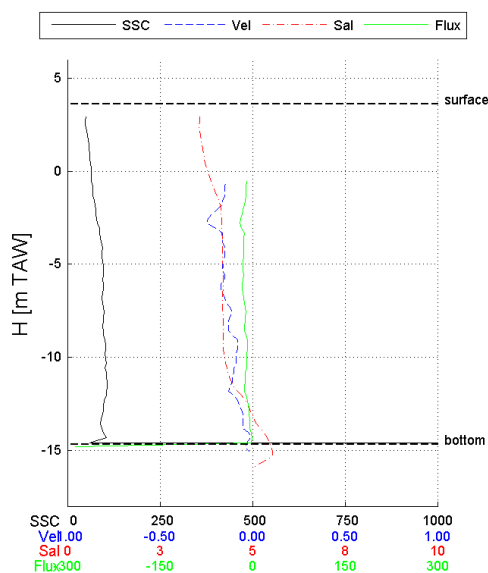
Siltprofiler, ADCP

Sourcefile(s):

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7185Zc_1_00.txt

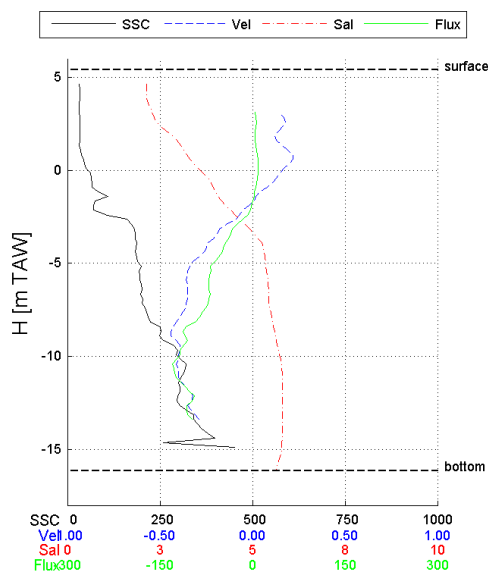
Location:

Deurganckdok Zc



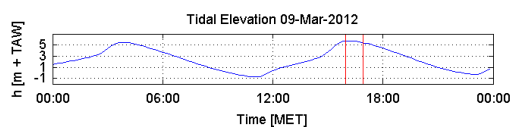
Easting [m UTM31-WGS84] 588667
Northing [m UTM31-WGS84] 5684036
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 145658
Water level [m TAW] 3.63
Water-bottom interface [m TAW] -14.69

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	57.20	-	3.63	-
0.00	63.68	-	3.79	-
-1.50	71.82	-0.16	4.08	-11.15
-3.00	86.15	-0.21	4.18	-17.94
-4.50	94.11	-0.15	4.20	-14.33
-6.00	97.23	-0.17	4.21	-16.27
-7.50	99.55	-0.11	4.20	-11.04
-9.00	100.02	-0.09	4.22	-9.07
-10.50	101.94	-0.10	4.30	-9.76
-12.00	105.02	-0.11	4.68	-11.25
-13.50	89.60	-0.05	5.10	-4.13
-15.00	-	-0.02	5.54	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588658
Northing [m UTM31-WGS84] 5684022
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 165543
Water level [m TAW] 5.39
Water-bottom interface [m TAW] -16.14

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	32.79	-	2.15	-
3.00	32.61	0.15	2.32	5.00
1.50	33.16	0.14	3.01	4.78
0.00	55.83	0.16	3.60	8.93
-1.50	95.92	0.02	4.11	1.90
-3.00	177.23	-0.16	4.86	-28.04
-4.50	185.08	-0.27	5.32	-51.32
-6.00	197.92	-0.36	5.42	-70.37
-7.50	211.76	-0.37	5.48	-78.18
-9.00	253.81	-0.43	5.63	-107.31
-10.50	320.04	-0.41	5.79	-129.03
-12.00	301.42	-0.33	5.81	-98.55
-13.50	345.80	-	5.81	-
-15.00	-	-	5.79	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

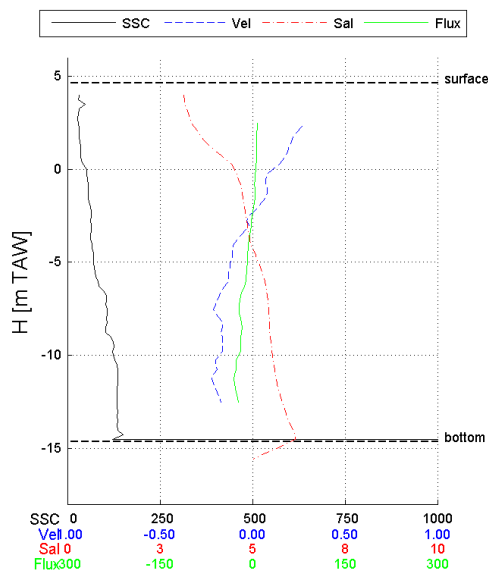
Siltprofiler, ADCP

Sourcefile(s):

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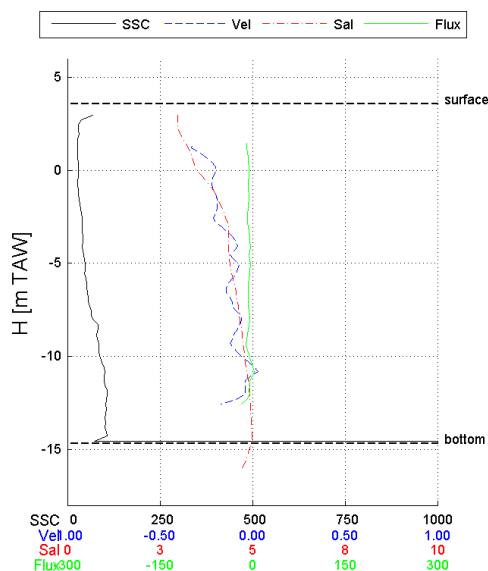
Location:

Deurganckdok Zc



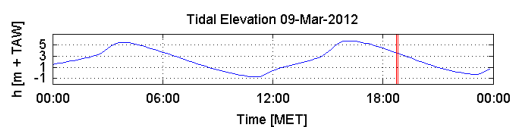
Easting [m UTM31-WGS84] 588674
Northing [m UTM31-WGS84] 5684036
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 174806
Water level [m TAW] 4.64
Water-bottom interface [m TAW] -14.65

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	29.73	-	3.26	-
1.50	33.42	0.21	3.72	6.96
0.00	52.47	0.11	4.51	5.73
-1.50	57.32	0.07	4.74	3.75
-3.00	64.00	-0.02	4.87	-1.45
-4.50	69.66	-0.11	5.07	-7.75
-6.00	81.84	-0.13	5.33	-10.88
-7.50	107.87	-0.21	5.44	-22.13
-9.00	117.66	-0.16	5.48	-18.87
-10.50	134.00	-0.20	5.59	-26.76
-12.00	134.95	-0.19	5.72	-25.93
-13.50	135.20	-	5.97	-
-15.00	-	-	5.65	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588675
Northing [m UTM31-WGS84] 5684029
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 184439
Water level [m TAW] 3.57
Water-bottom interface [m TAW] -14.67

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.38	-	3.18	-
0.00	29.16	-0.20	3.51	-5.88
-1.50	30.69	-0.19	4.06	-5.91
-3.00	39.99	-0.17	4.35	-6.88
-4.50	42.88	-0.12	4.37	-6.08
-6.00	51.91	-0.13	4.50	-6.49
-7.50	63.48	-0.09	4.63	-5.93
-9.00	79.68	-0.11	4.73	-8.52
-10.50	98.67	0.00	4.82	0.51
-12.00	107.39	-0.04	4.92	-4.73
-13.50	102.42	-	4.96	-
-15.00	-	-	4.91	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

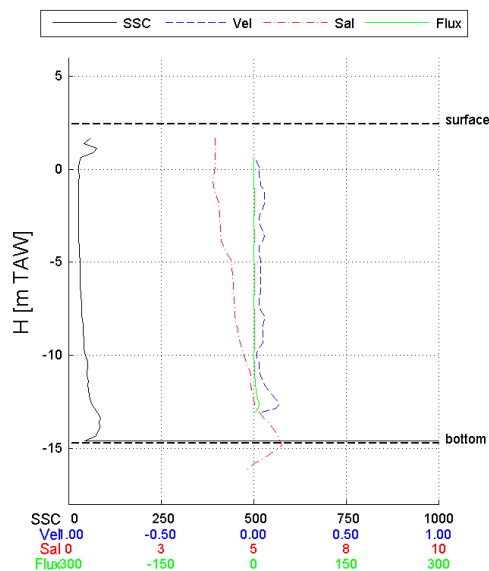
Siltprofiler, ADCP

Sourcefile(s):

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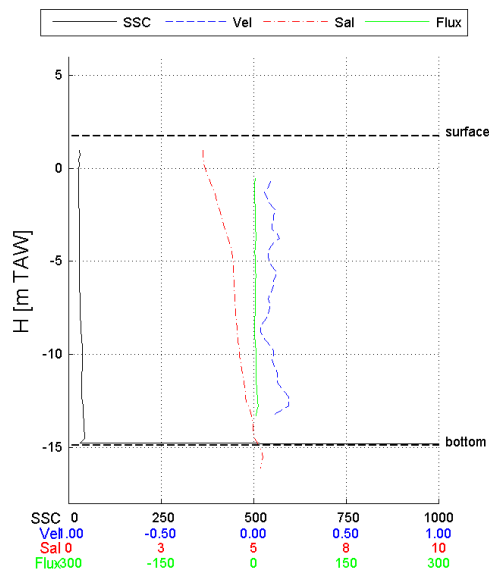
Location:

Deurganckdok Zc



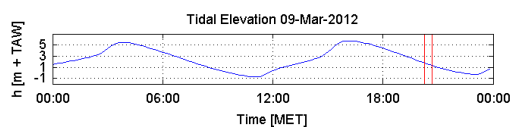
Easting [m UTM31-WGS84] 588671
Northing [m UTM31-WGS84] 5684044
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 193950
Water level [m TAW] 2.43
Water-bottom interface [m TAW] -14.73

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	48.59	-	3.96	-
0.00	27.93	0.03	3.95	0.84
-1.50	27.72	0.06	4.01	1.65
-3.00	27.66	0.04	4.10	0.97
-4.50	30.41	0.03	4.29	0.97
-6.00	32.23	0.04	4.45	1.41
-7.50	35.33	0.04	4.49	1.21
-9.00	40.81	0.05	4.61	1.93
-10.50	51.32	0.03	4.83	1.38
-12.00	55.74	0.09	4.95	5.17
-13.50	84.93	-	5.35	-
-15.00	-	-	5.67	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588663
Northing [m UTM31-WGS84] 5684026
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 201439
Water level [m TAW] 1.74
Water-bottom interface [m TAW] -14.90

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	28.73	-	3.69	-
-1.50	28.21	0.07	3.98	2.02
-3.00	29.35	0.10	4.20	3.07
-4.50	29.83	0.08	4.42	2.45
-6.00	30.62	0.11	4.47	3.51
-7.50	31.59	0.09	4.51	2.95
-9.00	34.97	0.05	4.58	1.71
-10.50	37.46	0.11	4.66	3.93
-12.00	36.63	0.17	4.78	6.06
-13.50	41.29	-	4.97	-
-15.00	30519.41	-	5.17	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

C.16 Location Zd

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

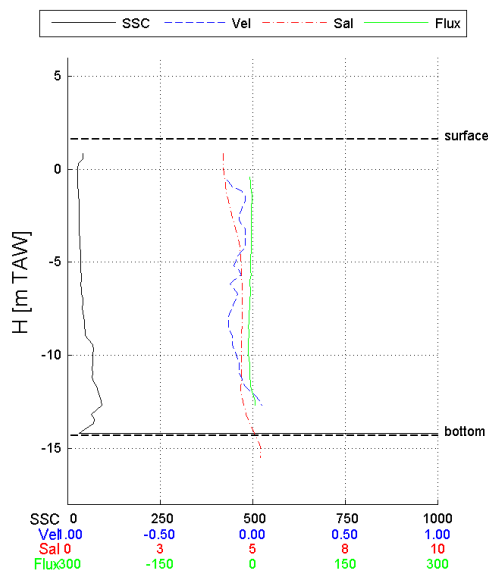
Siltprofiler, ADCP

Sourcefile(s):

7013Zd_1_00.txt
7029Zd_1_00.txt

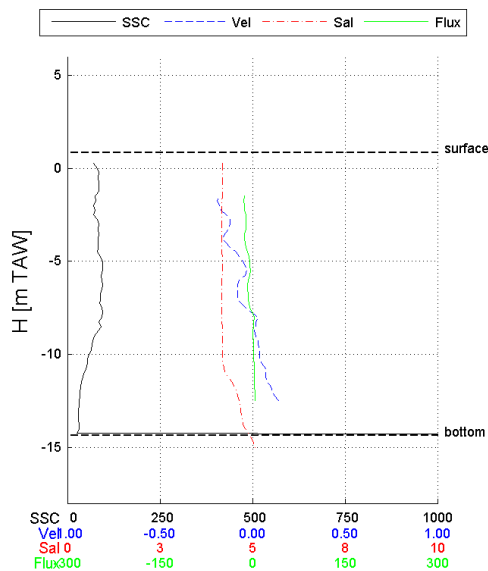
Location:

Deurganckdok Zd



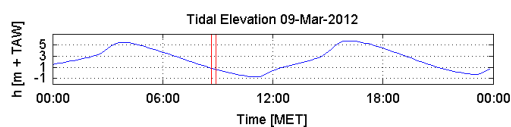
Easting [m UTM31-WGS84] 588722
Northing [m UTM31-WGS84] 5684106
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 075338
Water level [m TAW] 1.60
Water-bottom interface [m TAW] -14.30

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	27.92	-	4.23	-
-1.50	30.09	-0.04	4.33	-1.09
-3.00	32.06	-0.06	4.52	-1.72
-4.50	36.15	-0.07	4.67	-2.43
-6.00	37.26	-0.10	4.71	-3.83
-7.50	40.41	-0.11	4.73	-4.43
-9.00	51.42	-0.11	4.70	-5.75
-10.50	68.50	-0.07	4.70	-4.88
-12.00	83.93	-0.00	4.70	-0.06
-13.50	71.55	-	4.89	-
-15.00	-	-	5.21	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588708
Northing [m UTM31-WGS84] 5684098
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 083934
Water level [m TAW] 0.83
Water-bottom interface [m TAW] -14.37

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	81.79	-	4.19	-
-1.50	75.27	-0.18	4.19	-13.53
-3.00	84.20	-0.12	4.18	-10.05
-4.50	81.82	-0.09	4.18	-7.34
-6.00	92.71	-0.07	4.18	-6.75
-7.50	93.34	-0.04	4.18	-3.64
-9.00	73.74	0.02	4.20	1.16
-10.50	54.50	0.05	4.21	2.74
-12.00	34.11	0.11	4.58	3.75
-13.50	30.53	-	4.72	-
-15.00	-	-	5.07	-
-16.50	-	-	-	-
-18.00	-	-	-	-



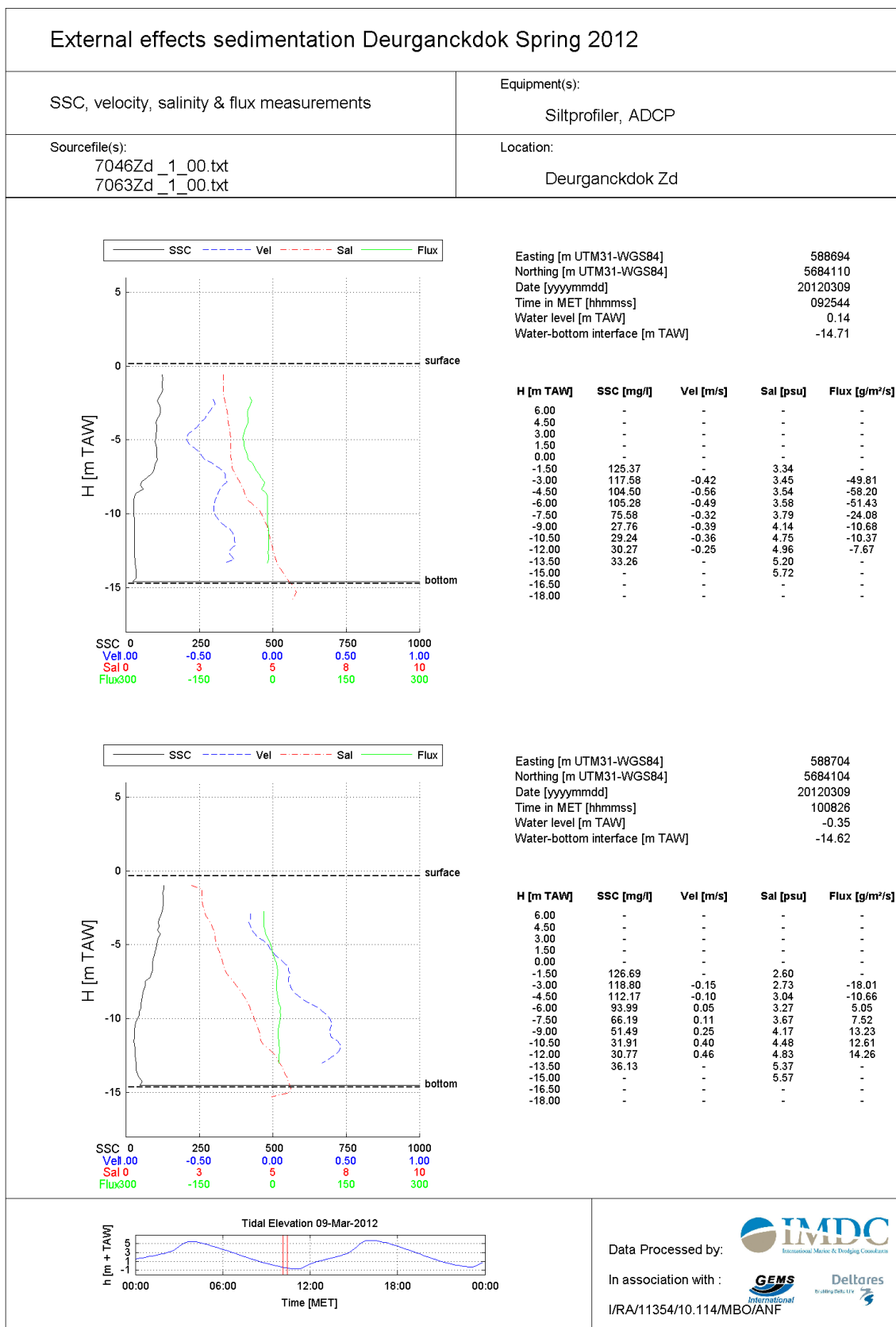
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

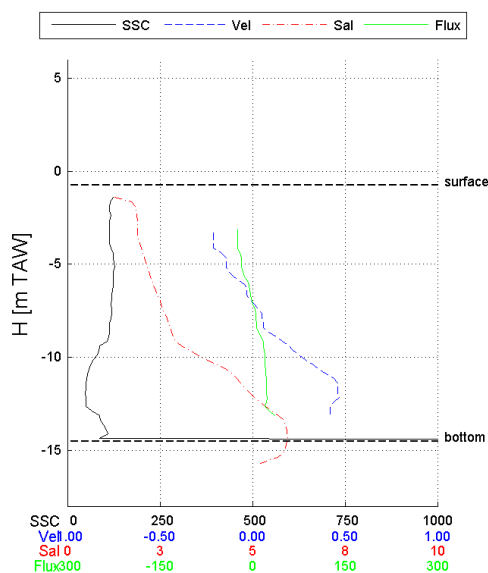
Siltprofiler, ADCP

Sourcefile(s):

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7098Zd_1_00.txt

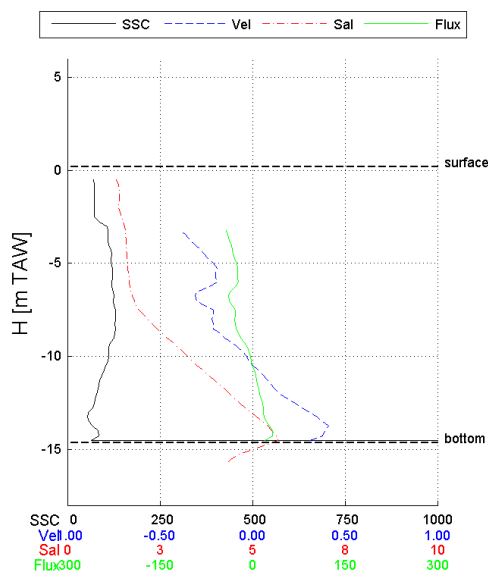
Location:

Deurganckdok Zd



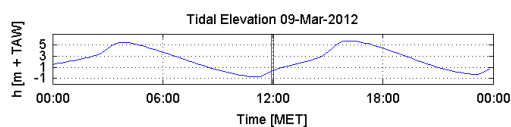
Easting [m UTM31-WGS84] 588704
Northing [m UTM31-WGS84] 5684101
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 110138
Water level [m TAW] -0.76
Water-bottom interface [m TAW] -14.50

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	119.86	-	1.50	-
-3.00	114.47	-	1.89	-
-4.50	123.71	-0.16	2.06	-19.42
-6.00	124.41	-0.06	2.31	-6.78
-7.50	119.13	0.04	2.60	4.75
-9.00	109.61	0.14	2.88	15.54
-10.50	61.02	0.34	4.16	20.92
-12.00	49.40	0.46	4.98	22.85
-13.50	93.31	-	5.88	-
-15.00	-	-	5.88	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588698
Northing [m UTM31-WGS84] 5684093
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 115418
Water level [m TAW] 0.19
Water-bottom interface [m TAW] -14.63

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	72.72	-	1.40	-
-3.00	105.76	-	1.54	-
-4.50	120.79	-0.26	1.60	-31.94
-6.00	120.84	-0.19	1.67	-23.08
-7.50	129.91	-0.21	1.92	-28.36
-9.00	126.19	-0.15	2.70	-19.30
-10.50	102.90	0.00	3.51	0.23
-12.00	79.07	0.15	4.38	12.02
-13.50	59.22	0.38	5.27	22.37
-15.00	-	-	5.02	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

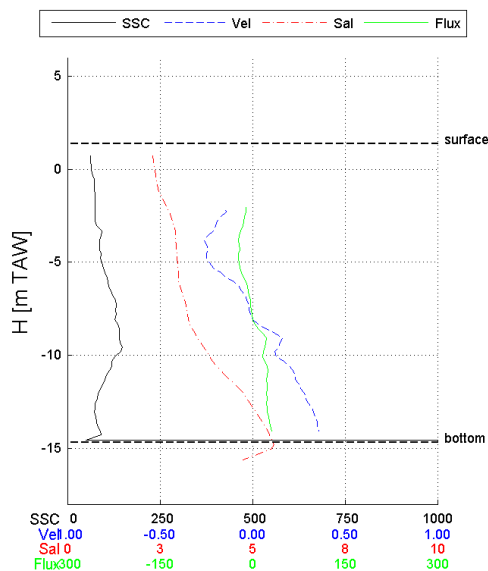
Siltprofiler, ADCP

Sourcefile(s):

7115Zd_1_00.txt
7132Zd_1_00.txt

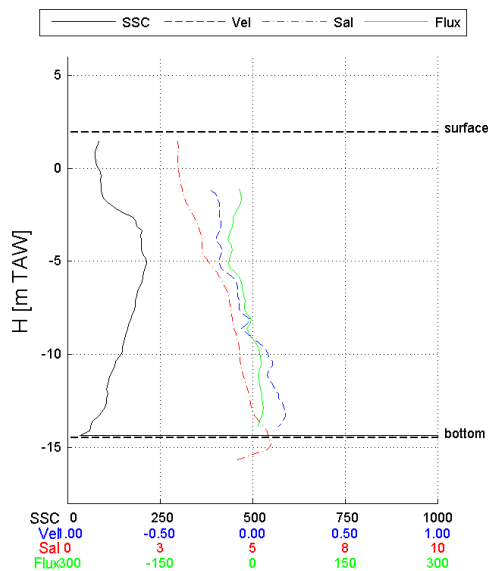
Location:

Deurganckdok Zd



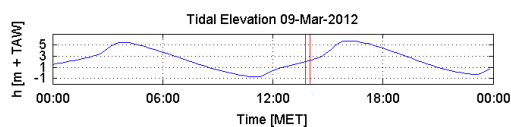
Easting [m UTM31-WGS84] 588690
Northing [m UTM31-WGS84] 5684120
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 130221
Water level [m TAW] 1.38
Water-bottom interface [m TAW] -14.69

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	64.89	-	2.36	-
-1.50	74.27	-	2.56	-
-3.00	79.08	-0.20	2.87	-15.63
-4.50	90.13	-0.25	2.96	-22.33
-6.00	109.71	-0.11	3.01	-11.68
-7.50	130.69	-0.02	3.22	-2.50
-9.00	140.78	0.15	3.50	20.81
-10.50	119.60	0.19	4.01	23.68
-12.00	84.88	0.28	4.75	23.34
-13.50	79.34	0.35	5.24	27.49
-15.00	-	-	5.52	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588715
Northing [m UTM31-WGS84] 5684094
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 134608
Water level [m TAW] 1.95
Water-bottom interface [m TAW] -14.48

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	84.59	-	3.00	-
-1.50	96.19	-0.19	3.15	-18.62
-3.00	187.17	-0.17	3.51	-32.36
-4.50	202.45	-0.17	3.65	-33.74
-6.00	202.37	-0.10	4.16	-19.76
-7.50	181.77	-0.07	4.41	-13.04
-9.00	157.36	-0.01	4.57	-2.67
-10.50	128.82	0.11	4.69	13.67
-12.00	107.52	0.13	4.89	14.15
-13.50	74.09	0.17	5.14	12.79
-15.00	-	-	5.45	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

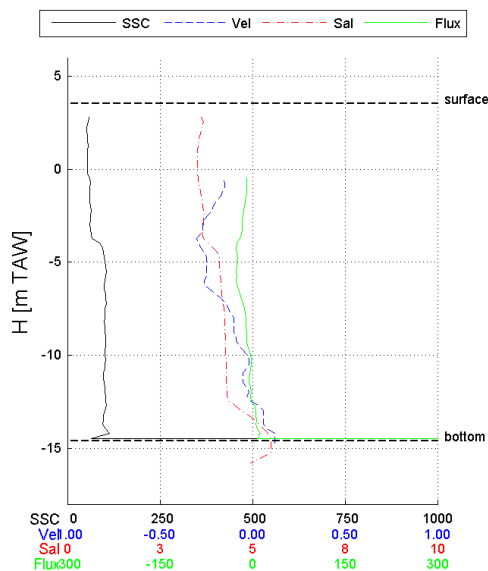
Siltprofiler, ADCP

Sourcefile(s):

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7167Zd_1_00.txt

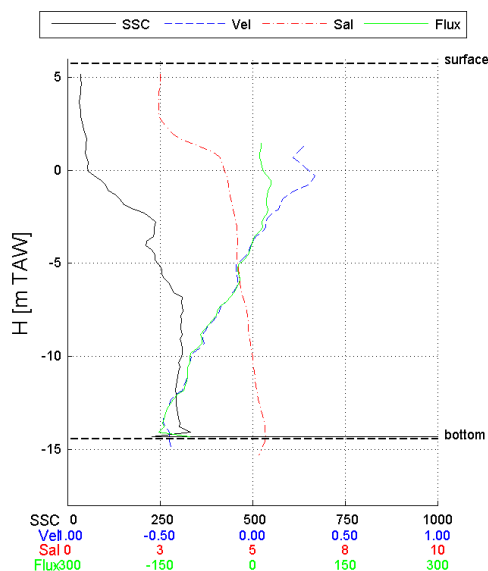
Location:

Deurganckdok Zd



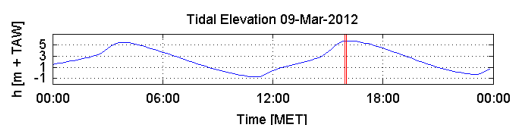
Easting [m UTM31-WGS84] 588711
Northing [m UTM31-WGS84] 5684118
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 145445
Water level [m TAW] 3.53
Water-bottom interface [m TAW] -14.58

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	54.84	-	3.54	-
0.00	54.52	-	3.52	-
-1.50	61.08	-0.18	3.61	-11.02
-3.00	60.08	-0.27	3.67	-16.44
-4.50	97.49	-0.26	4.05	-25.36
-6.00	101.33	-0.26	4.14	-26.02
-7.50	100.77	-0.13	4.24	-12.98
-9.00	103.39	-0.09	4.27	-9.66
-10.50	102.12	-0.02	4.29	-1.96
-12.00	101.83	-0.02	4.31	-2.01
-13.50	96.15	0.06	5.08	6.19
-15.00	-	-	5.51	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588726
Northing [m UTM31-WGS84] 5684111
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 160137
Water level [m TAW] 5.74
Water-bottom interface [m TAW] -14.43

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	36.54	-	2.49	-
3.00	35.74	-	2.47	-
1.50	51.10	-	3.29	-
0.00	56.09	0.30	4.25	17.28
-1.50	139.48	0.17	4.41	23.44
-3.00	236.08	0.07	4.57	16.06
-4.50	235.98	-0.03	4.59	-6.21
-6.00	270.13	-0.08	4.67	-21.13
-7.50	312.70	-0.18	4.84	-56.34
-9.00	305.95	-0.27	4.92	-82.50
-10.50	302.98	-0.35	5.04	-104.26
-12.00	293.75	-0.40	5.14	-119.44
-13.50	303.16	-0.48	5.31	-145.60
-15.00	-	-	5.24	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

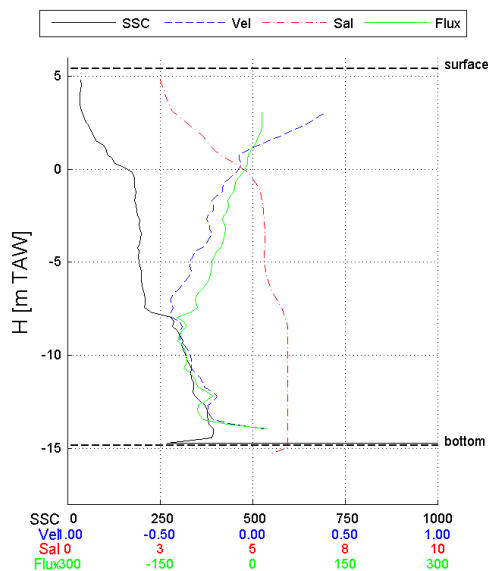
Siltprofiler, ADCP

Sourcefile(s):

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7200Zd_1_00.txt

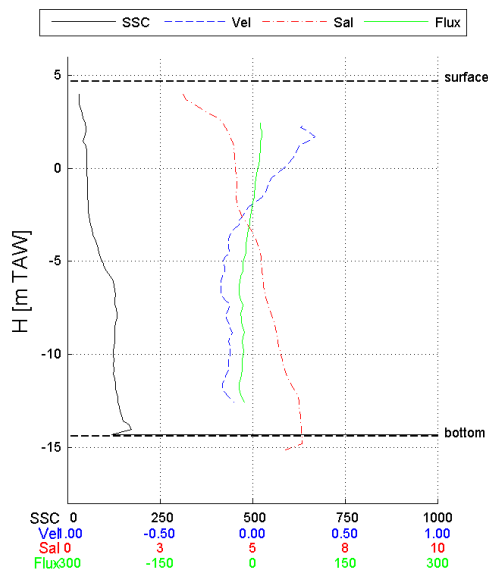
Location:

Deurganckdok Zd



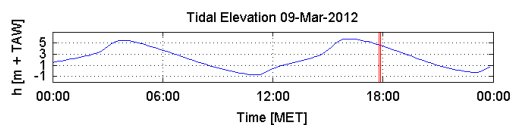
Easting [m UTM31-WGS84] 588740
Northing [m UTM31-WGS84] 5684146
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 165256
Water level [m TAW] 5.42
Water-bottom interface [m TAW] -14.84

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	37.40	-	2.56	-
3.00	40.62	0.39	2.92	15.72
1.50	79.11	0.08	3.77	6.36
0.00	161.02	-0.07	4.75	-12.42
-1.50	184.02	-0.20	5.23	-36.86
-3.00	193.42	-0.23	5.32	-44.84
-4.50	193.03	-0.31	5.32	-59.85
-6.00	199.87	-0.36	5.42	-72.09
-7.50	211.89	-0.43	5.79	-92.07
-9.00	306.38	-0.39	5.95	-119.28
-10.50	330.08	-0.33	5.95	-108.79
-12.00	340.38	-0.21	5.96	-72.23
-13.50	380.18	-0.19	5.96	-70.64
-15.00	-	-	5.91	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588718
Northing [m UTM31-WGS84] 5684110
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 174551
Water level [m TAW] 4.68
Water-bottom interface [m TAW] -14.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	39.08	-	3.79	-
1.50	43.24	0.31	4.45	13.16
0.00	52.99	0.16	4.54	8.53
-1.50	54.14	0.05	4.56	2.75
-3.00	63.05	-0.07	4.85	-4.62
-4.50	84.08	-0.12	5.20	-10.48
-6.00	122.11	-0.17	5.29	-20.24
-7.50	130.92	-0.13	5.45	-16.58
-9.00	127.50	-0.12	5.66	-14.66
-10.50	124.95	-0.13	5.84	-16.28
-12.00	131.86	-0.15	6.17	-19.92
-13.50	149.13	-	6.31	-
-15.00	-	-	6.05	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

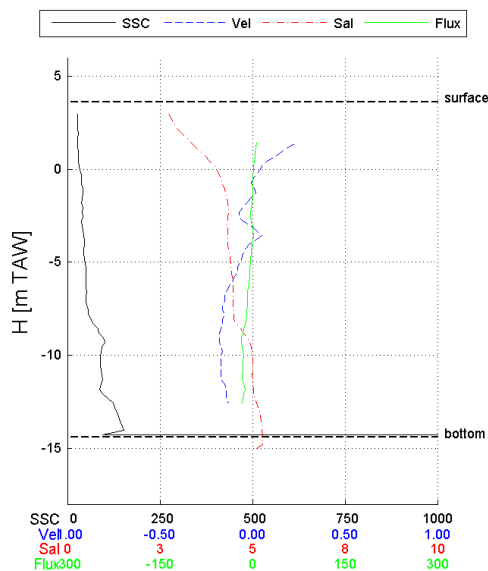
Siltprofiler, ADCP

Sourcefile(s):

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7235Zd_1_00.txt

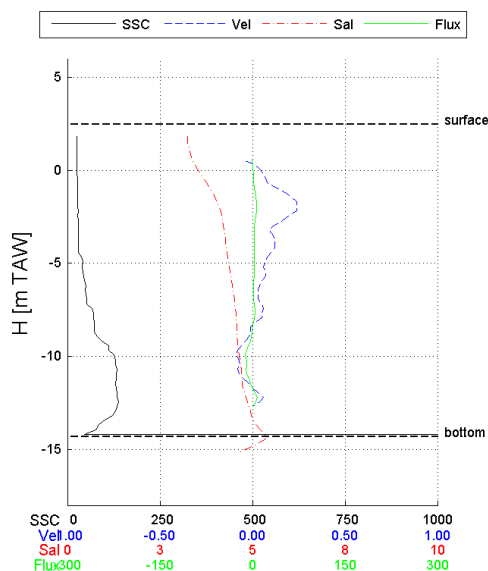
Location:

Deurganckdok Zd



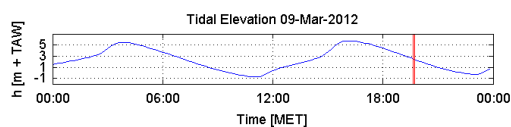
Easting [m UTM31-WGS84] 588719
Northing [m UTM31-WGS84] 5684108
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 184234
Water level [m TAW] 3.61
Water-bottom interface [m TAW] -14.41

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	28.53	-	3.32	-
0.00	33.74	0.04	4.03	1.32
-1.50	40.60	-0.00	4.30	-0.08
-3.00	39.12	-0.02	4.32	-0.48
-4.50	43.63	-0.05	4.37	-2.13
-6.00	50.78	-0.11	4.47	-5.52
-7.50	55.08	-0.16	4.49	-8.60
-9.00	95.75	-0.18	4.85	-17.54
-10.50	89.97	-0.17	5.01	-15.18
-12.00	92.53	-0.14	5.04	-13.23
-13.50	141.36	-	5.23	-
-15.00	-	-	5.11	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588714
Northing [m UTM31-WGS84] 5684104
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 193812
Water level [m TAW] 2.47
Water-bottom interface [m TAW] -14.30

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	25.44	-	3.26	-
0.00	26.20	0.05	3.55	1.23
-1.50	27.16	0.22	4.00	5.92
-3.00	29.55	0.11	4.23	3.29
-4.50	33.16	0.09	4.32	3.16
-6.00	46.32	0.05	4.45	2.12
-7.50	67.55	0.06	4.54	3.84
-9.00	84.00	-0.03	4.59	-1.98
-10.50	131.46	-0.07	4.69	-9.40
-12.00	135.04	0.04	4.80	4.97
-13.50	96.14	-	5.04	-
-15.00	-	-	4.81	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

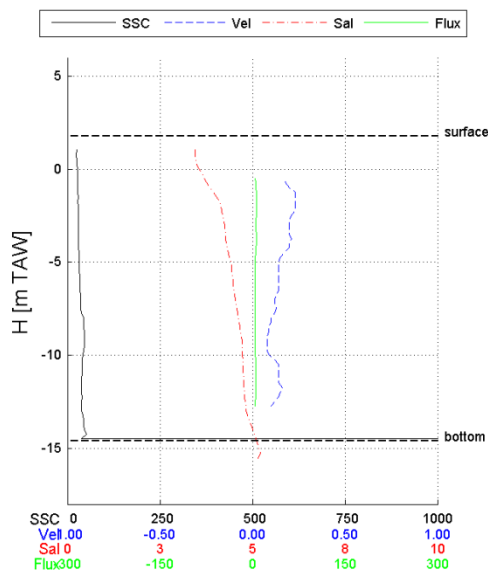
Siltprofiler, ADCP

Sourcefile(s):

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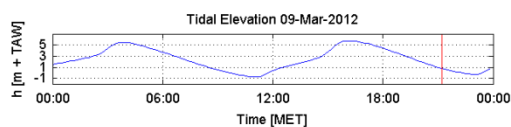
Location:

Deurganckdok Zd



Easting [m UTM31-WGS84] 588710
Northing [m UTM31-WGS84] 5684109
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 201235
Water level [m TAW] 1.78
Water-bottom interface [m TAW] -14.59

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	27.21	-	3.57	-
-1.50	28.87	0.23	4.02	6.75
-3.00	29.60	0.20	4.25	5.79
-4.50	32.42	0.17	4.35	5.43
-6.00	32.93	0.14	4.47	4.75
-7.50	36.25	0.13	4.58	4.82
-9.00	46.39	0.08	4.71	3.78
-10.50	39.82	0.14	4.74	5.63
-12.00	38.20	0.15	4.78	5.71
-13.50	43.20	-	4.91	-
-15.00	-	-	5.18	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:

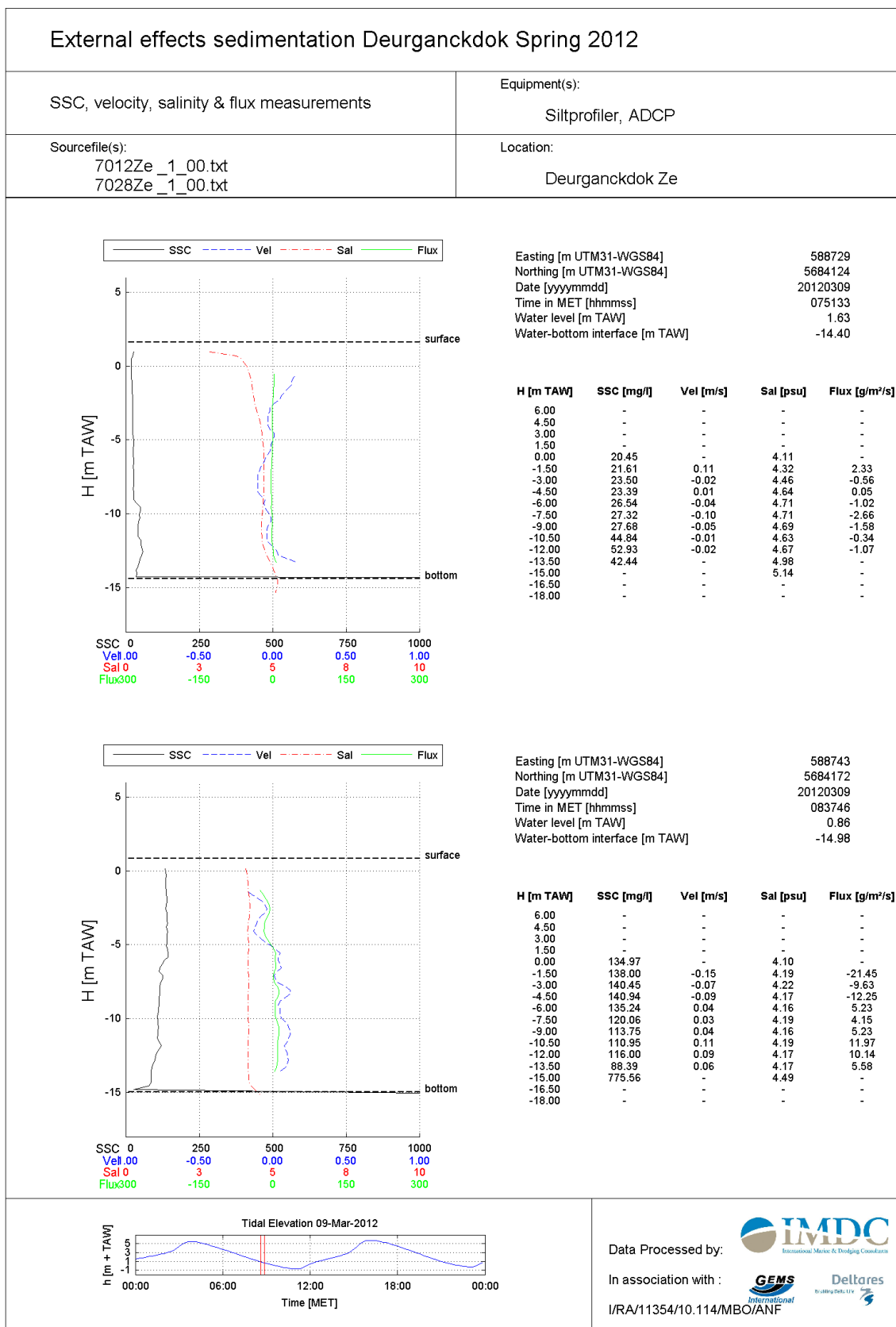


In association with:



I/RA/11354/10.114/MBO/ANF

C.17 Location Ze



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

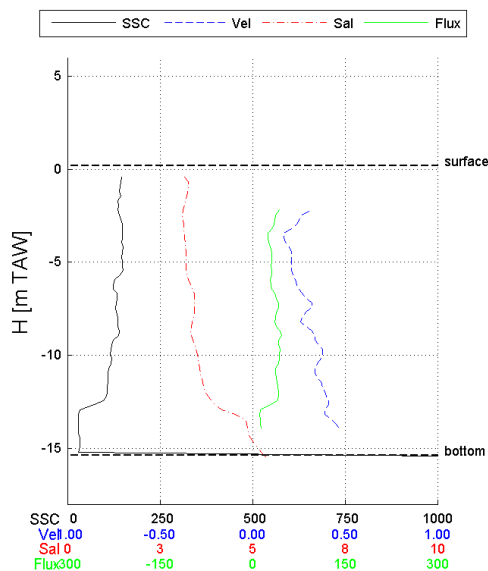
Siltprofiler, ADCP

Sourcefile(s):

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7062Ze_1_00.txt

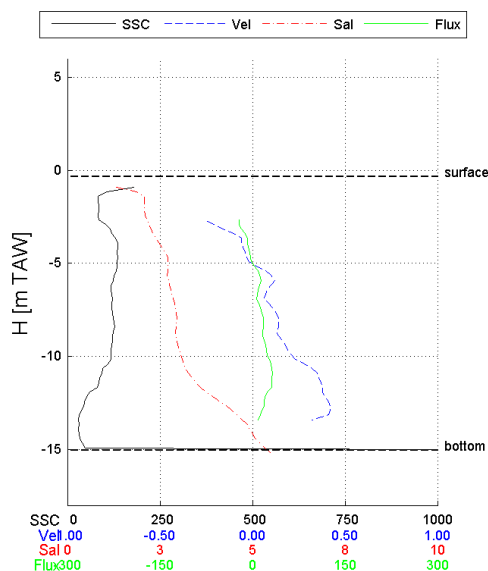
Location:

Deurganckdok Ze



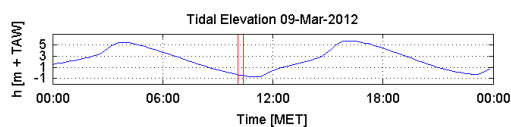
Easting [m UTM31-WGS84] 588707
Northing [m UTM31-WGS84] 5684203
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 092331
Water level [m TAW] 0.18
Water-bottom interface [m TAW] -15.36

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	141.84	-	3.22	-
-3.00	148.06	0.23	3.14	34.57
-4.50	148.93	0.21	3.20	31.46
-6.00	127.35	0.23	3.29	29.54
-7.50	131.25	0.31	3.43	41.30
-9.00	134.47	0.34	3.36	45.40
-10.50	116.39	0.35	3.66	40.66
-12.00	107.02	0.39	3.73	42.08
-13.50	29.06	0.44	4.82	12.57
-15.00	32.99	-	5.16	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588728
Northing [m UTM31-WGS84] 5684175
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 100628
Water level [m TAW] -0.33
Water-bottom interface [m TAW] -15.05

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	-	-	-	-
-1.50	83.14	-	2.08	-
-3.00	107.74	-0.19	2.23	-19.88
-4.50	135.37	-0.04	2.67	-4.29
-6.00	121.34	0.11	2.74	13.20
-7.50	120.68	0.12	2.93	14.06
-9.00	121.33	0.15	2.95	17.60
-10.50	104.65	0.30	3.17	30.64
-12.00	57.44	0.38	3.82	22.13
-13.50	30.64	-	4.78	-
-15.00	1078.65	-	5.38	-
-16.50	-	-	-	-
-18.00	-	-	-	-



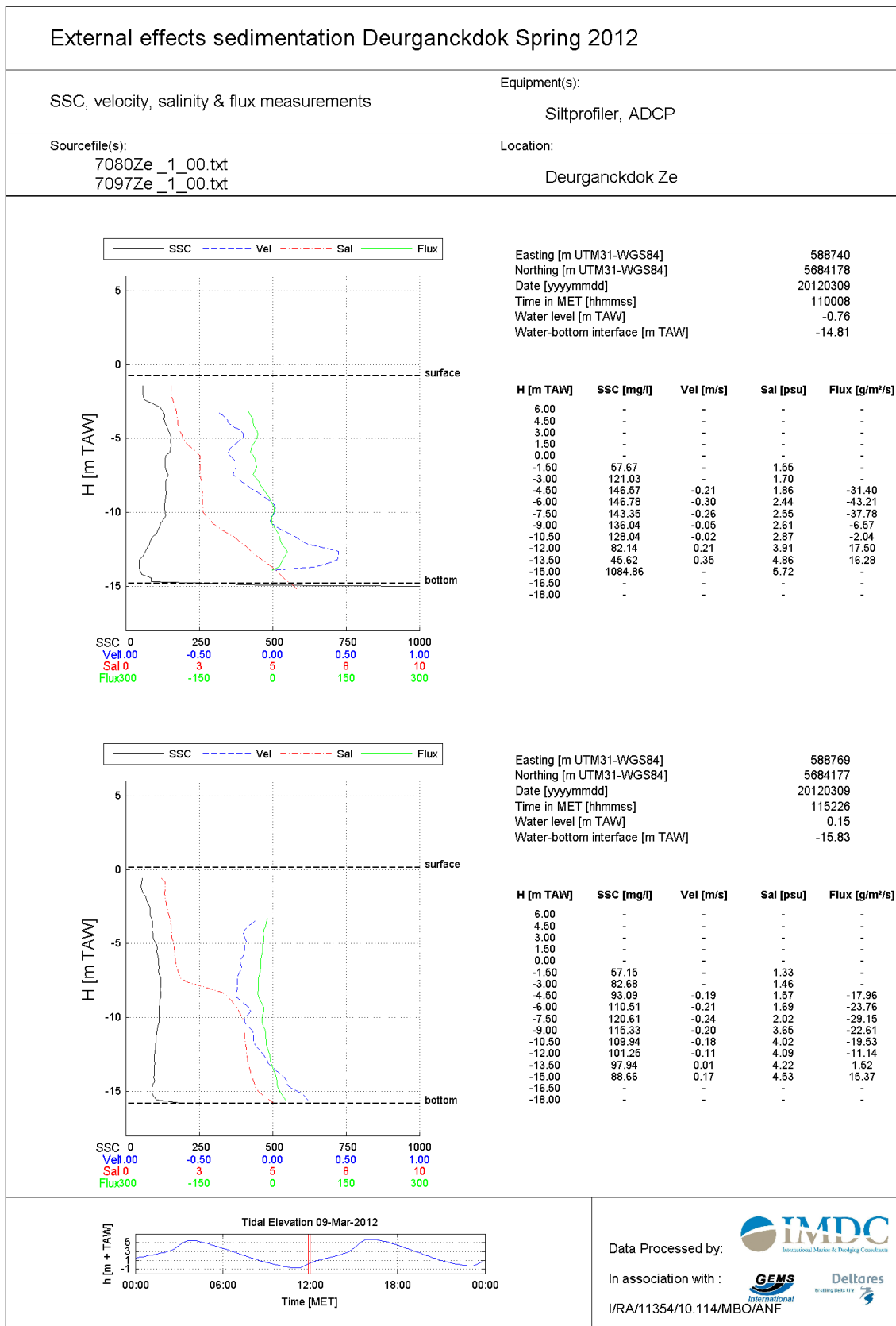
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

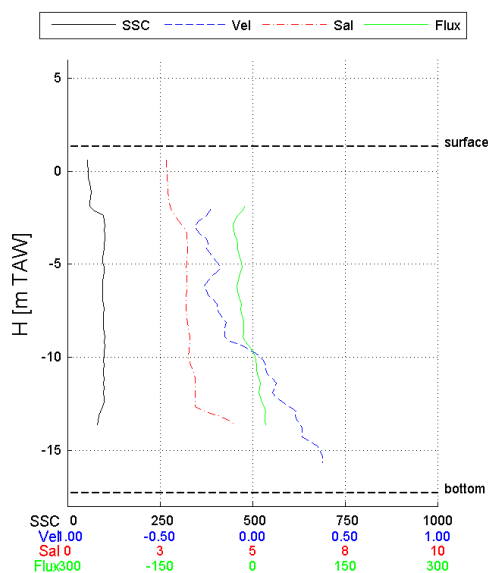
Siltprofiler, ADCP

Sourcefile(s):

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7131Ze_1_00.txt

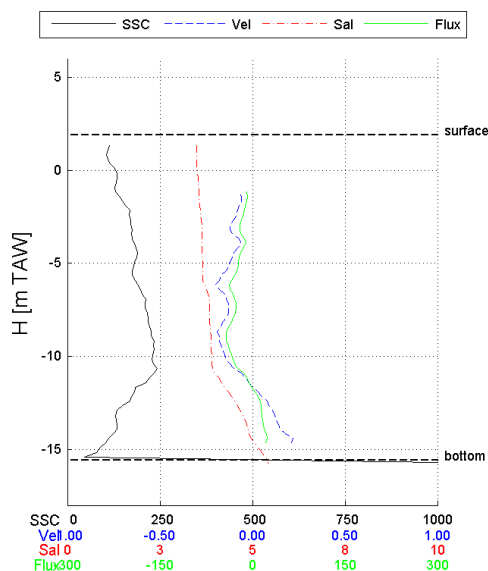
Location:

Deurganckdok Ze



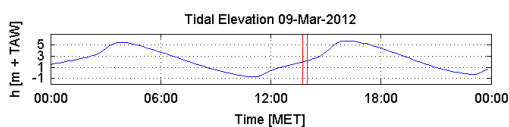
Easting [m UTM31-WGS84] 588794
Northing [m UTM31-WGS84] 5684165
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 125854
Water level [m TAW] 1.34
Water-bottom interface [m TAW] -17.27

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	55.69	-	2.69	-
-1.50	62.53	-	2.75	-
-3.00	100.68	-0.31	3.15	-30.86
-4.50	97.04	-0.22	3.24	-21.71
-6.00	95.39	-0.25	3.23	-23.71
-7.50	98.52	-0.19	3.21	-18.05
-9.00	101.15	-0.14	3.30	-13.57
-10.50	98.83	0.07	3.36	6.83
-12.00	99.00	0.12	3.46	11.93
-13.50	82.85	0.25	4.44	20.82
-15.00	-	0.36	-	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588754
Northing [m UTM31-WGS84] 5684168
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 134415
Water level [m TAW] 1.92
Water-bottom interface [m TAW] -15.57

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	130.72	-	3.50	-
-1.50	143.54	-0.06	3.56	-8.88
-3.00	173.08	-0.12	3.63	-20.16
-4.50	188.56	-0.10	3.64	-20.14
-6.00	185.89	-0.19	3.68	-34.85
-7.50	211.92	-0.13	3.84	-27.24
-9.00	230.31	-0.18	3.88	-41.94
-10.50	237.80	-0.11	3.91	-26.79
-12.00	178.09	0.04	4.38	6.26
-13.50	132.06	0.13	4.82	17.24
-15.00	85.88	-	5.19	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

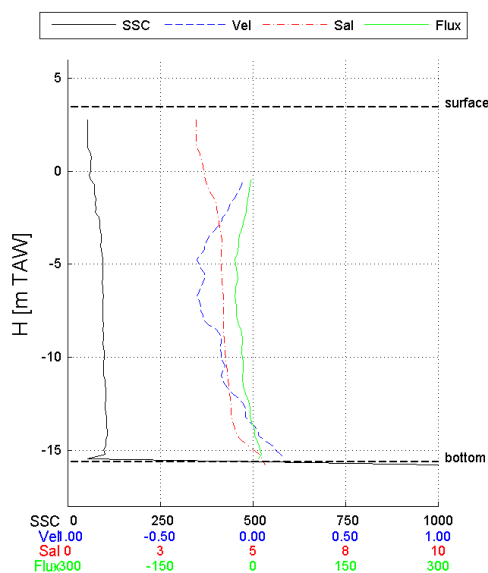
Siltprofiler, ADCP

Sourcefile(s):

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7166Ze_1_00.txt

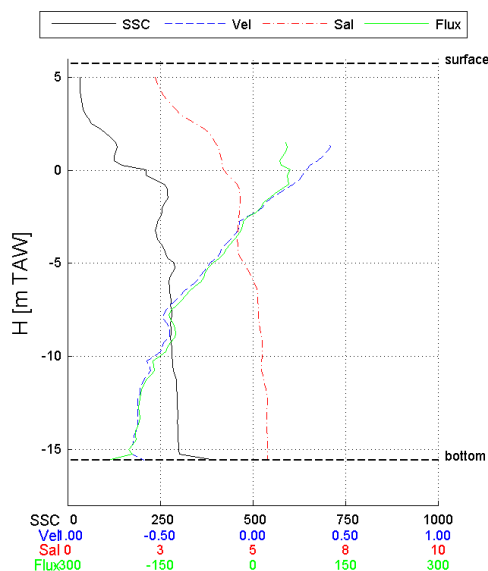
Location:

Deurganckdok Ze



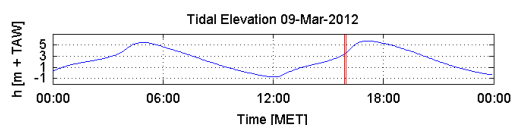
Easting [m UTM31-WGS84] 588747
Northing [m UTM31-WGS84] 5684168
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 145228
Water level [m TAW] 3.44
Water-bottom interface [m TAW] -15.63

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	54.37	-	3.48	-
0.00	61.26	-	3.68	-
-1.50	75.96	-0.10	3.97	-8.04
-3.00	87.28	-0.19	4.11	-17.00
-4.50	93.30	-0.28	4.14	-26.15
-6.00	93.83	-0.27	4.18	-25.45
-7.50	95.84	-0.28	4.21	-26.45
-9.00	97.17	-0.17	4.23	-16.96
-10.50	97.78	-0.15	4.29	-15.06
-12.00	104.34	-0.10	4.38	-10.87
-13.50	104.78	-0.02	4.46	-1.58
-15.00	98.46	0.12	5.04	12.54
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588741
Northing [m UTM31-WGS84] 5684220
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 155826
Water level [m TAW] 5.73
Water-bottom interface [m TAW] -15.57

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m²/s]
6.00	-	-	-	-
4.50	33.86	-	2.47	-
3.00	48.13	-	3.05	-
1.50	131.15	0.41	3.98	54.07
0.00	211.45	0.29	4.23	60.91
-1.50	270.24	0.10	4.66	26.88
-3.00	240.17	-0.07	4.61	-17.30
-4.50	265.63	-0.18	4.63	-48.09
-6.00	274.27	-0.31	5.03	-84.39
-7.50	282.50	-0.47	5.15	-131.53
-9.00	278.23	-0.45	5.24	-126.95
-10.50	284.33	-0.56	5.23	-159.91
-12.00	295.23	-0.61	5.37	-181.38
-13.50	296.61	-0.62	5.38	-183.87
-15.00	300.61	-0.67	5.40	-201.33
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

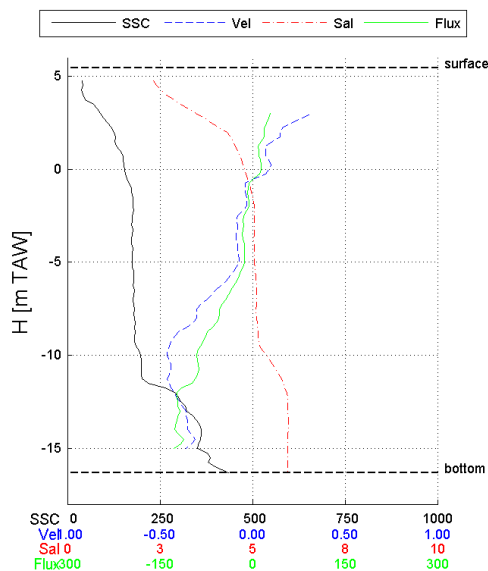
Siltprofiler, ADCP

Sourcefile(s):

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7199Ze_1_00.txt

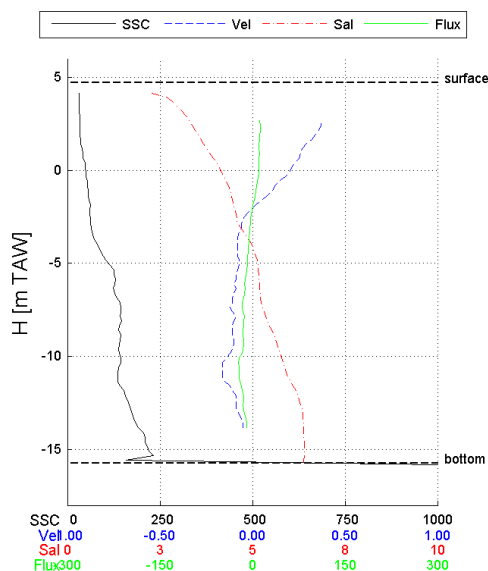
Location:

Deurganckdok Ze



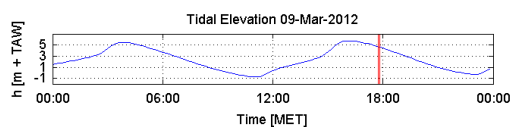
Easting [m UTM31-WGS84] 588781
Northing [m UTM31-WGS84] 5684194
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 165001
Water level [m TAW] 5.46
Water-bottom interface [m TAW] -16.30

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	41.23	-	2.42	-
3.00	89.16	0.32	3.48	28.71
1.50	127.95	0.11	4.48	14.21
0.00	155.68	0.09	4.79	13.79
-1.50	177.36	-0.03	5.00	-6.15
-3.00	173.24	-0.08	5.05	-14.11
-4.50	176.07	-0.08	5.05	-13.39
-6.00	179.19	-0.14	5.10	-25.83
-7.50	180.79	-0.30	5.10	-53.52
-9.00	181.77	-0.42	5.16	-76.35
-10.50	200.71	-0.44	5.55	-88.26
-12.00	290.25	-0.42	5.93	-122.33
-13.50	348.99	-0.35	5.97	-122.84
-15.00	351.06	-0.36	5.95	-127.40
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588759
Northing [m UTM31-WGS84] 5684189
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 174334
Water level [m TAW] 4.72
Water-bottom interface [m TAW] -15.73

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	32.84	-	3.17	-
1.50	36.29	0.30	3.65	10.95
0.00	50.02	0.20	4.16	10.15
-1.50	57.81	0.06	4.45	3.46
-3.00	63.70	-0.06	4.66	-3.75
-4.50	95.78	-0.08	5.07	-7.39
-6.00	128.47	-0.10	5.19	-12.24
-7.50	144.22	-0.11	5.30	-15.90
-9.00	142.89	-0.10	5.61	-15.03
-10.50	139.95	-0.16	5.85	-22.11
-12.00	155.57	-0.10	6.21	-14.93
-13.50	183.10	-0.05	6.38	-9.65
-15.00	218.65	-	6.40	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

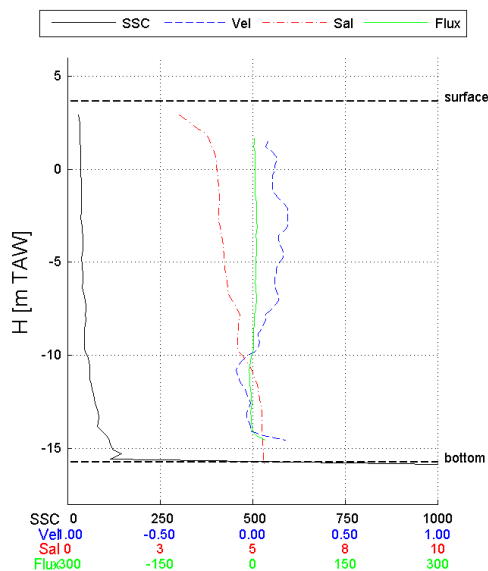
Siltprofiler, ADCP

Sourcefile(s):

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7234Ze_1_00.txt

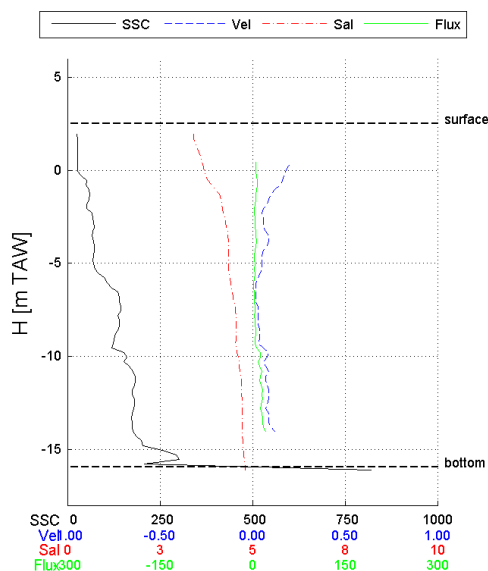
Location:

Deurganckdok Ze



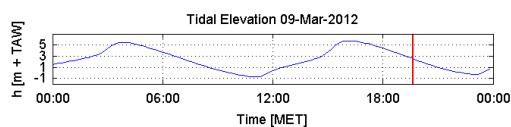
Easting [m UTM31-WGS84] 588756
Northing [m UTM31-WGS84] 5684186
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 183921
Water level [m TAW] 3.67
Water-bottom interface [m TAW] -15.72

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	33.78	0.08	3.86	2.75
0.00	36.44	0.12	4.04	4.28
-1.50	37.74	0.14	4.11	5.25
-3.00	39.57	0.19	4.11	7.44
-4.50	40.97	0.17	4.23	7.07
-6.00	41.08	0.12	4.31	4.82
-7.50	50.29	0.10	4.60	5.09
-9.00	46.25	0.03	4.61	1.51
-10.50	59.15	-0.08	4.90	-4.34
-12.00	70.02	-0.03	5.18	-2.55
-13.50	83.86	-0.02	5.26	-1.82
-15.00	121.78	-	5.29	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Easting [m UTM31-WGS84] 588769
Northing [m UTM31-WGS84] 5684187
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 193613
Water level [m TAW] 2.51
Water-bottom interface [m TAW] -15.95

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	27.17	-	3.45	-
0.00	27.67	0.18	3.69	5.11
-1.50	58.35	0.09	4.13	5.52
-3.00	72.49	0.06	4.30	4.57
-4.50	71.56	0.05	4.35	3.64
-6.00	105.98	0.02	4.41	2.08
-7.50	145.19	0.03	4.54	3.95
-9.00	126.47	0.04	4.55	4.65
-10.50	165.45	0.07	4.65	11.47
-12.00	175.16	0.09	4.71	15.99
-13.50	174.30	0.09	4.72	16.36
-15.00	246.71	-	4.76	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

External effects sedimentation Deurganckdok Spring 2012

SSC, velocity, salinity & flux measurements

Equipment(s):

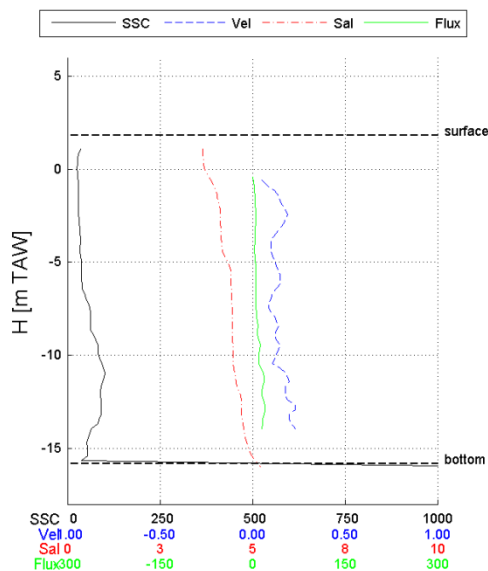
Siltprofiler, ADCP

Sourcefile(s):

7249Ze_1_00.txt

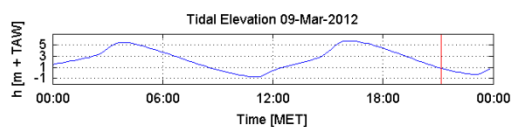
Location:

Deurganckdok Ze



Easting [m UTM31-WGS84] 588763
Northing [m UTM31-WGS84] 5684186
Date [yyyymmdd] 20120309
Time in MET [hhmmss] 201048
Water level [m TAW] 1.81
Water-bottom interface [m TAW] -15.82

H [m TAW]	SSC [mg/l]	Vel [m/s]	Sal [psu]	Flux [g/m ² /s]
6.00	-	-	-	-
4.50	-	-	-	-
3.00	-	-	-	-
1.50	-	-	-	-
0.00	26.63	-	3.71	-
-1.50	30.23	0.14	4.05	4.31
-3.00	32.21	0.16	4.13	5.10
-4.50	34.51	0.10	4.22	3.61
-6.00	38.60	0.15	4.42	5.75
-7.50	61.08	0.09	4.45	5.78
-9.00	73.23	0.12	4.46	8.99
-10.50	94.16	0.12	4.48	11.66
-12.00	89.62	0.18	4.65	15.97
-13.50	84.58	0.20	4.73	17.03
-15.00	53.80	-	4.89	-
-16.50	-	-	-	-
-18.00	-	-	-	-



Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF

Annex D Depth Averages of the Siltprofiles

D.1 Tables

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7005Xa	3:30	7:30	6.2	35	4.7	-0.02	-0.9	5.9	31	4.2	0.04	1.3	6.5	41	5.2	-0.09	-3.4
7022Xa	4:23	8:23	6.3	36	4.8	0.00	-0.1	6.1	38	4.4	-0.05	-1.7	6.6	33	5.2	0.05	1.7
7039Xa	5:07	9:07	6.4	56	4.7	-0.04	-2.8	6.2	58	4.4	-0.12	-6.9	6.6	54	5.0	0.03	0.9
7056Xa	5:51	9:51	6.7	81	4.1	-0.05	-8.2	6.6	102	3.5	-0.23	-23.7	6.8	62	4.6	0.09	3.6
7074Xa	6:47	10:47	7.0	94	3.3	-0.17	-21.1	7.0	111	2.5	-0.38	-41.9	7.1	81	3.9	-0.03	-7.2
7091Xa	-04:37	11:32	7.3	86	2.7	-0.16	-18.5	7.3	96	1.7	-0.36	-35.2	7.3	77	3.5	-0.04	-8.0
7108Xa	-03:41	12:28	7.3	97	3.6	0.03	-1.7	7.5	116	2.5	-0.16	-19.9	7.2	76	4.8	0.20	15.0
7125Xa	-02:40	13:29	7.2	84	4.2	0.02	0.6	7.2	90	3.5	-0.09	-8.6	7.1	76	5.1	0.13	9.8
7142Xa	-01:51	14:18	7.2	93	4.2	0.07	8.3	7.3	76	3.7	0.01	1.6	7.1	115	4.9	0.13	15.7
7160Xa	-00:37	15:32	7.4	151	4.1	0.00	-5.8	7.4	108	3.9	0.07	4.1	7.5	223	4.5	-0.08	-18.8
7177Xa	0:23	16:33	7.3	161	4.2	0.10	8.4	7.4	102	3.8	0.16	13.2	7.3	260	4.8	0.00	-0.4
7194Xa	1:12	17:22	7.3	162	4.8	0.00	-17.4	7.4	83	4.1	0.11	4.6	7.1	294	6.0	-0.20	-57.5
7211Xa	2:11	18:21	7.2	66	4.8	-0.03	-6.0	7.2	44	4.2	0.07	1.8	7.1	99	5.7	-0.18	-18.1
7228Xa	3:05	19:15	7.2	92	4.5	-0.09	-14.3	7.2	40	4.2	0.01	-0.7	7.1	162	5.0	-0.21	-32.9
7244Xa	3:44	19:54	7.1	74	4.5	-0.09	-8.7	7.2	44	4.2	-0.05	-3.2	7.1	110	4.8	-0.14	-15.0
AVERAGE			7.0	91	4.2	-0.03	-5.9	7.0	76	3.7	-0.07	-7.7	7.0	117	4.9	-0.02	-7.6

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7004Xb	3:28	7:28	6.5	37	4.6	-0.08	-3.0	6.4	30	4.3	-0.09	-2.8	6.7	46	5.1	-0.07	-3.2
7021Xb	4:21	8:21	6.3	54	4.6	0.01	0.5	6.0	53	4.4	-0.01	-0.8	6.6	55	4.8	0.04	2.1
7038Xb	5:05	9:05	6.3	57	4.7	-0.05	-3.4	6.1	55	4.4	-0.10	-6.1	6.6	58	4.9	-0.01	-0.9
7055Xb	5:50	9:50	6.6	94	3.8	-0.03	-5.0	6.5	108	3.4	-0.09	-9.9	6.8	80	4.1	0.03	-0.9
7073Xb	6:46	10:46	7.0	97	3.0	-0.07	-9.3	7.0	109	2.4	-0.13	-13.7	7.1	87	3.6	-0.03	-6.3
7090Xb	-04:39	11:30	7.5	92	2.3	-0.18	-20.2	7.5	99	1.7	-0.29	-29.6	7.4	86	2.8	-0.11	-13.9
7107Xb	-03:44	12:25	7.4	100	3.6	0.05	1.0	7.5	120	2.5	-0.12	-15.6	7.2	77	4.8	0.22	16.9
7124Xb	-02:42	13:27	7.2	93	4.3	0.05	1.9	7.2	106	3.6	-0.07	-9.0	7.1	78	5.1	0.16	12.9
7141Xb	-01:54	14:15	7.3	86	4.2	0.02	4.6	7.3	57	3.8	-0.07	-3.9	7.1	125	4.9	0.11	14.5
7159Xb	-00:40	15:29	7.5	117	4.2	0.05	5.6	7.5	100	4.1	0.04	3.1	7.6	145	4.5	0.06	9.0
7176Xb	0:21	16:31	7.4	137	4.1	0.16	16.1	7.4	86	3.7	0.22	19.1	7.3	227	4.7	0.06	10.8
7193Xb	1:10	17:20	7.2	153	4.6	0.02	-11.8	7.3	88	4.3	0.13	7.1	7.1	267	5.2	-0.15	-44.0
7210Xb	2:09	18:19	7.1	72	5.0	-0.01	-2.5	7.2	48	4.6	0.04	1.7	7.0	108	5.7	-0.09	-9.6
7227Xb	3:02	19:12	7.1	78	4.4	-0.07	-6.8	7.1	42	4.1	-0.03	-2.4	7.1	127	4.8	-0.13	-13.4
7243Xb	3:43	19:53	7.1	91	4.4	-0.05	-6.8	7.2	54	4.1	-0.02	-1.8	7.1	137	4.8	-0.09	-12.6
AVERAGE			7.0	90	4.1	-0.01	-2.6	7.0	77	3.7	-0.04	-4.3	7.1	114	4.7	0.00	-2.6

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7003Xc	3:24	7:24	6.1	38	4.4	-0.12	-4.0	5.9	33	4.1	-0.15	-4.7	6.4	48	5.1	-0.06	-2.8
7020Xc	4:19	8:19	6.2	92	4.5	0.06	5.5	5.9	73	4.4	0.05	4.3	6.5	114	4.7	0.06	6.8
7037Xc	5:03	9:03	6.6	81	4.4	0.00	0.2	6.5	103	4.0	0.01	1.0	6.8	57	4.7	0.00	-0.6
7054Xc	5:48	9:48	6.8	116	3.2	0.01	1.1	6.8	117	3.1	0.07	8.5	6.9	115	3.2	-0.05	-5.6
7072Xc	6:44	10:44	7.1	110	2.6	0.02	1.6	7.0	118	2.2	0.04	5.2	7.1	103	3.0	0.00	-1.2
7089Xc	-04:42	11:27	7.3	102	1.9	-0.23	-24.5	7.3	100	1.6	-0.28	-29.4	7.3	104	2.2	-0.19	-20.4
7106Xc	-03:46	12:23	7.2	112	3.8	0.04	-4.8	7.3	148	2.7	-0.17	-28.6	7.2	73	5.0	0.24	17.2
7123Xc	-02:43	13:26	7.3	140	3.9	-0.01	-4.1	7.3	155	3.2	-0.07	-12.8	7.2	121	4.9	0.06	6.1
7140Xc	-01:56	14:13	7.3	114	4.2	-0.07	-6.3	7.4	98	3.8	-0.17	-17.9	7.2	135	4.6	0.05	7.2
7158Xc	-00:43	15:26	7.3	67	4.3	0.06	3.4	7.4	71	4.1	0.02	1.2	7.3	59	4.6	0.12	6.9
7175Xc	0:17	16:27	7.4	138	3.8	0.19	3.7	7.5	66	3.3	0.32	18.6	7.4	275	4.8	-0.08	-25.4
7192Xc	1:07	17:17	7.2	159	4.5	0.09	5.1	7.3	90	4.1	0.14	10.1	7.2	286	5.2	-0.01	-4.2
7209Xc	2:07	18:17	7.1	74	4.9	0.05	1.8	7.2	47	4.3	0.10	3.8	7.0	117	5.7	-0.01	-1.6
7226Xc	2:59	19:09	7.1	73	4.4	-0.01	-0.6	7.2	50	4.0	-0.03	-2.4	7.1	105	4.8	0.02	2.0
7242Xc	3:41	19:51	7.1	119	4.5	-0.03	-3.9	7.2	84	4.3	-0.03	-3.4	7.1	166	4.8	-0.02	-4.5
AVERAGE			7.0	102	3.9	0.00	-1.7	7.0	90	3.6	-0.01	-3.1	7.1	125	4.5	0.01	-1.3

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7003Xd	3:21	7:21	6.4	75	4.7	0.05	4.2	6.2	56	4.4	0.05	3.2	6.6	103	5.0	0.05	5.4
7019Xd	4:17	8:17	6.0	122	4.4	0.02	2.2	5.7	122	4.4	0.00	0.7	6.4	122	4.4	0.03	4.0
7036Xd	5:01	9:01	6.4	103	4.2	0.12	12.2	6.2	122	3.9	0.13	15.7	6.6	80	4.5	0.10	8.6
7053Xd	5:46	9:46	6.7	123	3.1	0.12	15.3	6.5	125	3.0	0.16	19.6	6.8	120	3.2	0.09	11.5
7071Xd	6:42	10:42	7.1	122	2.2	0.11	13.8	7.0	119	2.1	0.14	17.2	7.2	125	2.3	0.09	11.0
7088Xd	-04:44	11:25	7.4	124	1.8	-0.23	-28.4	7.4	135	1.8	-0.29	-38.1	7.4	114	1.8	-0.18	-21.3
7105Xd	-03:48	12:21	7.4	135	3.3	-0.08	-15.7	7.5	145	2.7	-0.31	-46.5	7.4	124	4.0	0.14	15.1
7122Xd	-02:45	13:24	7.3	256	3.9	-0.09	-23.7	7.3	226	3.6	-0.20	-49.6	7.3	294	4.4	0.03	3.2
7139Xd	-01:58	14:11	7.4	110	4.1	-0.08	-7.3	7.4	95	3.9	-0.18	-18.0	7.3	131	4.4	0.03	5.1
7157Xd	-00:48	15:21	7.6	149	4.3	-0.34	-50.9	7.6	145	4.3	-0.24	-35.0	7.6	156	4.4	-0.47	-72.6
7174Xd	0:15	16:25	7.4	158	4.2	0.02	-15.6	7.5	111	3.8	0.20	16.8	7.3	252	5.0	-0.31	-78.9
7191Xd	1:05	17:15	7.3	158	4.4	-0.01	-12.7	7.4	103	3.8	0.08	3.7	7.2	264	5.5	-0.18	-46.4
7208Xd	2:04	18:14	7.1	75	5.1	0.18	13.9	7.2	56	4.7	0.19	10.7	7.0	111	5.8	0.17	19.5
7225Xd	2:56	19:06	7.1	95	4.7	0.03	2.8	7.1	71	4.6	0.00	0.1	7.1	133	4.8	0.07	7.0
Z241Xd	3:39	19:49	7.1	113	4.4	-0.05	-2.4	7.2	77	4.2	-0.10	-6.6	7.1	165	4.6	0.02	3.5
AVERAGE			7.0	128	3.9	-0.01	-6.2	7.0	114	3.7	-0.02	-7.1	7.1	153	4.3	-0.02	-8.4

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7002Xe	3:18	7:18	5.7	100	4.7	0.23	25.7	5.3	67	4.4	0.20	15.7	6.2	137	5.0	0.25	35.1
7018Xe	4:15	8:15	5.8	123	4.4	0.20	24.8	5.3	116	4.5	0.23	26.8	6.3	130	4.4	0.18	23.0
7035Xe	4:59	8:59	6.1	123	3.9	0.28	34.6	5.8	140	3.8	0.30	40.3	6.4	106	4.1	0.27	29.2
7052Xe	5:45	9:45	6.3	134	2.9	-0.05	-7.2	6.0	131	2.7	-0.05	-6.8	6.5	138	3.1	-0.06	-7.5
7070Xe	6:40	10:40	7.3	148	2.1	0.41	62.9	7.3	146	2.0	0.39	59.9	7.3	150	2.2	0.43	64.9
7087Xe	-04:47	11:22	7.5	123	1.7	0.21	27.3	7.5	119	1.6	0.31	39.5	7.5	126	1.8	0.15	19.2
7104Xe	-03:50	12:19	7.8	135	3.4	-0.18	-29.0	8.0	134	2.6	-0.49	-66.6	7.5	136	4.2	0.05	-2.0
7121Xe	-02:47	13:22	7.3	276	3.8	-0.09	-20.7	7.3	253	3.6	-0.20	-51.9	7.3	301	4.1	0.04	12.9
7138Xe	-02:01	14:08	7.4	116	4.2	-0.13	-13.4	7.5	101	4.1	-0.21	-21.2	7.4	135	4.4	-0.04	-4.6
7156Xe	-00:51	15:18	7.8	138	4.3	-0.11	-16.5	7.8	129	4.3	-0.05	-6.8	7.8	153	4.3	-0.18	-28.5
7173Xe	0:12	16:22	7.3	158	4.4	-0.07	-30.1	7.4	101	3.8	0.08	1.0	7.2	255	5.2	-0.35	-85.9
7190Xe	1:03	17:13	7.2	167	5.0	-0.04	-26.5	7.3	120	4.3	0.17	11.2	7.1	243	6.1	-0.34	-81.8
7207Xe	2:02	18:12	7.1	89	5.0	0.18	16.8	7.2	57	4.5	0.18	11.6	7.0	135	5.9	0.19	24.2
7224Xe	2:54	19:04	7.1	135	4.8	0.22	30.2	7.1	85	4.7	0.21	19.1	7.1	206	5.1	0.22	44.3
Z240Xe	3:37	19:47	7.1	143	4.5	0.08	12.8	7.1	120	4.5	0.02	3.3	7.1	169	4.5	0.14	23.5
AVERAGE			7.0	141	4.0	0.08	6.1	6.9	121	3.7	0.07	5.0	7.1	168	4.3	0.06	4.4

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7006Ya	3:34	7:34	6.2	32	4.7	0.08	2.3	5.8	29	4.4	0.11	3.1	6.6	35	4.9	0.05	1.5
7023Ya	4:27	8:27	6.0	32	4.8	0.08	2.4	5.7	33	4.5	0.06	1.9	6.4	31	5.1	0.10	3.0
7040Ya	5:10	9:10	6.7	33	4.7	0.26	8.5	6.6	32	4.3	0.27	8.8	6.8	35	5.0	0.25	8.2
7057Ya	5:55	9:55	6.9	42	4.6	0.14	4.5	6.8	53	4.2	0.06	2.1	6.9	32	5.0	0.21	6.8
7075Ya	6:51	10:51	7.3	85	3.8	0.10	4.1	7.4	108	2.6	-0.05	-4.9	7.2	64	4.9	0.23	12.4
7092Ya	-04:28	11:41	8.4	81	3.5	-0.07	-10.3	8.8	100	2.1	-0.29	-30.0	7.9	62	4.9	0.09	4.9
7109Ya	-03:35	12:34	7.4	81	3.5	0.01	-0.9	7.5	84	2.3	-0.17	-15.9	7.3	79	4.8	0.15	11.0
7126Ya	-02:36	13:33	7.2	83	4.0	0.04	1.1	7.3	89	3.1	-0.05	-5.9	7.1	78	4.9	0.11	6.8
7143Ya	-01:44	14:25	7.2	103	4.2	0.01	-1.6	7.3	85	3.6	0.03	-1.4	7.1	121	4.9	0.00	-1.9
7161Ya	-00:27	15:42	7.5	105	4.3	-0.15	-18.6	7.5	88	3.9	-0.10	-12.2	7.6	122	4.6	-0.18	-22.9
7178Ya	0:27	16:37	7.3	171	4.3	-0.08	-39.1	7.4	79	3.4	0.12	-5.2	7.2	263	5.2	-0.27	-72.1
7195Ya	1:19	17:29	7.2	110	4.8	-0.08	-25.3	7.3	46	3.8	0.19	6.3	7.1	174	5.8	-0.34	-56.1
7212Ya	2:15	18:25	7.3	61	4.4	0.02	-3.7	7.3	31	3.8	0.14	4.3	7.3	91	5.1	-0.12	-12.2
7229Ya	3:12	19:22	7.2	66	4.6	0.05	0.5	7.2	32	4.1	0.13	3.9	7.1	101	5.0	-0.03	-2.9
7248Ya	3:56	20:06	7.1	41	4.5	0.08	2.6	7.1	29	4.0	0.12	3.6	7.2	52	4.9	0.04	1.5
AVERAGE			7.1	75	4.3	0.03	-4.9	7.1	61	3.6	0.04	-2.8	7.1	89	5.0	0.02	-7.5

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7007Yb	3:36	7:36	6.1	30	4.4	0.08	3.5	6.1	30	4.4	0.12	3.6	6.5	33	4.8	0.01	-0.2
7024Yb	4:29	8:29	6.7	38	4.8	0.27	8.1	6.6	45	4.4	0.28	9.0	6.8	30	5.2	0.25	7.3
7041Yb	5:12	9:12	6.6	32	4.6	0.08	2.3	6.5	34	4.3	0.03	0.8	6.8	30	4.9	0.12	3.6
7058Yb	5:57	9:57	6.9	65	4.2	0.12	4.4	6.8	94	3.6	0.00	0.1	6.9	41	4.7	0.21	7.7
7076Yb	6:52	10:52	7.4	91	3.6	0.22	18.4	7.6	112	2.4	0.20	23.1	7.3	75	4.5	0.24	15.0
7093Yb	-04:27	11:42	7.7	91	3.0	-0.06	-12.2	7.8	105	1.6	-0.27	-32.8	7.5	78	4.3	0.07	-0.1
7110Yb	-03:33	12:36	7.4	85	3.3	-0.03	-6.7	7.5	82	2.3	-0.19	-18.3	7.3	89	4.6	0.11	5.4
7127Yb	-02:35	13:34	7.2	105	4.2	0.14	12.2	7.3	120	3.4	0.06	6.9	7.1	87	5.1	0.21	17.4
7162Yb	-00:24	15:46	7.5	141	4.2	-0.14	-27.5	7.5	120	4.0	0.00	-5.9	7.4	176	4.5	-0.31	-54.2
7179Yb	0:29	16:39	7.3	183	4.3	-0.03	-35.5	7.4	98	3.7	0.15	1.8	7.2	320	5.3	-0.31	-97.3
7196Yb	1:23	17:33	7.2	112	5.0	-0.05	-19.2	7.3	72	4.2	0.09	-2.3	7.0	173	6.2	-0.29	-48.0
7213Yb	2:17	18:27	7.3	78	4.4	-0.01	-5.3	7.3	34	3.9	0.06	1.9	7.2	140	5.0	-0.13	-16.4
7230Yb	3:14	19:24	7.2	54	4.4	0.07	1.7	7.2	31	4.0	0.13	3.8	7.2	83	4.9	-0.02	-1.1
7247Yb	3:54	20:04	7.2	42	4.5	0.07	2.6	7.2	32	4.1	0.13	3.9	7.2	54	4.9	0.02	1.1
AVERAGE			7.1	82	4.2	0.05	-3.8	7.1	72	3.6	0.06	-0.3	7.1	101	4.9	0.01	-11.4

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7008Yc	3:38	7:38	6.4	49	4.7	0.14	4.5	6.1	35	4.4	0.24	7.0	6.7	65	5.0	0.03	1.5
7025Yc	4:30	8:30	6.6	34	4.6	0.06	2.0	6.5	35	4.4	0.03	1.0	6.8	33	4.9	0.10	3.1
7042Yc	5:15	9:15	6.5	52	4.6	0.14	6.5	6.2	64	4.3	0.13	7.2	6.7	40	4.8	0.15	5.8
7059Yc	5:59	9:59	7.0	88	3.7	0.14	11.0	6.9	109	3.1	0.10	11.0	7.0	69	4.3	0.18	11.1
7077Yc	6:54	10:54	7.5	104	3.0			7.6	119	2.1			7.4	92	3.8		
7094Yc	-04:25	11:44	7.5	100	2.8	-0.14	-22.8	7.6	107	1.6	-0.37	-44.7	7.4	93	3.8	0.01	-8.8
7111Yc	-03:29	12:40	7.3	105	3.6	0.04	1.7	7.4	113	2.6	-0.13	-16.1	7.2	97	4.5	0.19	16.8
7128Yc	-02:33	13:36	7.3	151	4.0	0.10	10.1	7.3	174	3.3	0.06	7.8	7.2	125	4.8	0.14	12.4
7146Yc	-01:27	14:42	7.4	91	4.2	-0.11	-8.9	7.4	74	3.8	-0.23	-19.4	7.4	112	4.7	0.00	0.8
7163Yc	-00:20	15:49	7.4	201	4.2	-0.10	-35.6	7.5	141	3.9	0.03	-3.3	7.3	297	4.6	-0.24	-74.2
7180Yc	0:31	16:41	7.3	178	4.4	-0.03	-30.1	7.3	115	3.9	0.12	1.1	7.2	291	5.3	-0.31	-88.4
7214Yc	2:19	18:29	7.3	88	4.5	0.04	0.1	7.3	41	4.2	0.09	2.9	7.2	158	5.0	-0.04	-4.3
7231Yc	3:16	19:26	7.2	42	4.4	0.04	1.1	7.2	30	4.0	0.09	2.6	7.2	57	4.9	-0.03	-1.2
7246Yc	3:52	20:02	7.2	56	4.4	0.08	3.6	7.2	35	4.1	0.10	3.2	7.2	80	4.9	0.05	4.0
AVERAGE			7.1	96	4.1	0.03	-4.4	7.1	85	3.5	0.02	-3.1	7.1	115	4.7	0.02	-9.3

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7009Yd	3:40	7:40	6.5	44	4.6	0.05	2.3	6.3	37	4.3	0.02	0.8	6.7	51	4.9	0.08	4.0
7026Yd	4:32	8:32	6.8	32	4.5	0.36	11.5	6.7	30	4.3	0.34	10.7	6.9	33	4.7	0.37	12.2
7043Yd	5:17	9:17	6.8	77	4.1	0.33	25.9	6.7	100	3.5	0.33	33.8	6.9	56	4.6	0.33	19.2
7060Yd	6:01	10:01	7.1	108	3.2	0.20	21.6	7.1	126	2.5	0.14	17.3	7.1	94	3.8	0.25	25.0
7078Yd	6:55	10:55	7.6	143	2.8	0.23	33.6	7.7	128	1.8	0.23	31.5	7.5	156	3.7	0.23	35.0
7095Yd	-04:23	11:46	7.5	108	2.6	-0.12	-17.1	7.6	112	1.6	-0.27	-31.0	7.5	105	3.5	-0.03	-8.7
7112Yd	-03:26	12:43	7.2	126	3.5	0.01	-3.1	7.3	131	2.8	-0.22	-33.1	7.2	121	4.2	0.21	21.5
7129Yd	-02:31	13:38	7.3	227	4.2	0.15	30.4	7.3	245	3.8	0.04	9.1	7.2	208	4.6	0.25	49.7
7147Yd	-01:25	14:44	7.5	95	4.2	-0.10	-10.2	7.5	87	3.9	-0.20	-20.4	7.4	107	4.6	-0.01	-0.6
7164Yd	-00:18	15:51	7.4	227	4.2	-0.12	-41.9	7.5	173	3.9	0.01	-12.9	7.2	339	4.8	-0.28	-86.5
7181Yd	0:34	16:44	7.3	163	4.5	-0.05	-26.5	7.3	115	4.0	0.13	8.4	7.2	241	5.3	-0.36	-84.2
7197Yd	1:27	17:37	7.2	136	5.2	-0.07	-20.7	7.3	83	4.6	0.04	-1.7	7.0	217	6.1	-0.26	-53.0
7215Yd	2:23	18:33	7.2	53	4.4	0.16	7.5	7.3	42	4.1	0.16	7.1	7.2	67	4.8	0.15	8.1
7232Yd	3:18	19:28	7.2	99	4.4	0.06	4.5	7.2	59	4.1	0.07	3.2	7.1	151	4.7	0.04	6.2
7246Yd	3:51	20:01	7.2	80	4.4	0.02	1.4	7.2	61	4.0	0.02	0.7	7.2	102	4.7	0.02	2.3
AVERAGE			7.2	141	4.1	0.07	1.3	7.2	102	3.6	0.06	1.6	7.2	183	4.6	0.07	-3.3

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7010Ye	3:42	7:42	6.6	90	4.3	0.28	25.0	6.4	55	4.1	0.32	19.3	6.7	124	4.5	0.25	30.4
7027Ye	4:34	8:34	6.7	116	4.1	0.35	41.6	6.6	122	4.1	0.36	44.6	6.8	110	4.1	0.34	39.0
7044Ye	5:19	9:19	6.9	109	3.6	0.35	37.7	6.9	120	3.2	0.26	32.7	7.0	99	4.0	0.41	41.4
7061Ye	6:03	10:03	7.1	142	2.8	0.30	41.5	7.1	157	2.3	0.17	28.6	7.1	130	3.2	0.38	49.6
7079Ye	6:57	10:57	7.6	127	2.2	0.15	20.9	7.8	103	1.6	0.11	13.6	7.5	143	2.6	0.17	25.0
7096Ye	-04:20	11:49	7.5	121	2.7	-0.14	-18.9	7.6	103	1.6	-0.23	-26.2	7.4	136	3.6	-0.09	-15.2
7113Ye	-03:15	12:54	7.2	95	3.6	0.00	0.4	7.2	82	3.0	-0.24	-22.2	7.1	108	4.1	0.18	16.6
7130Ye	-02:29	13:40	7.2	146	4.3	-0.10	-18.2	7.2	138	3.9	-0.25	-34.8	7.2	154	4.8	0.02	-5.1
7148Ye	-01:23	14:46	7.8	102	4.3	-0.14	-13.4	7.9	100	4.1	-0.33	-32.9	7.6	105	4.5	0.02	3.2
7165Ye	-00:17	15:52	7.3	258	4.5	-0.19	-71.6	7.4	207	4.2	0.02	-8.4	7.1	332	5.0	-0.42	-138.5
7182Ye	0:36	16:46	7.3	159	4.6	-0.08	-32.6	7.4	102	3.8	0.16	9.2	7.1	238	5.6	-0.41	-92.5
7198Ye	1:29	17:39	7.2	117	5.2	-0.04	-11.5	7.3	82	4.4	0.06	-1.4	7.0	163	6.2	-0.18	-26.3
7216Ye	2:25	18:35	7.2	99	4.6	0.22	11.0	7.2	41	4.2	0.29	11.9	7.1	166	5.1	0.13	9.9
7233Ye	3:21	19:31	7.1	137	4.5	0.05	5.1	7.1	80	4.2	0.09	6.7	7.1	201	4.7	0.02	3.2
7245Ye	3:49	19:59	7.2	103	4.2	0.01	3.7	7.1	59	3.9	-0.02	-1.8	7.2	150	4.5	0.04	8.9
AVERAGE			7.2	128	4.0	0.07	1.4	7.2	104	3.5	0.05	2.6	7.1	157	4.4	0.06	-3.4

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7015Za	3:59	7:59	6.1	30	4.8	-0.03	-0.7	5.8	27	4.4	-0.08	-2.2	6.5	33	5.1	0.03	1.0
7032Za	4:46	8:46	6.1	31	4.8	-0.14	-4.3	5.8	34	4.5	-0.11	-3.7	6.4	29	5.2	-0.17	-4.9
7049Za	5:33	9:33	6.4	36	4.8	-0.04	-1.2	6.2	39	4.4	-0.03	-0.9	6.6	32	5.1	-0.06	-1.6
7066Za	6:13	10:13	6.7	50	4.5	0.16	5.3	6.6	70	3.9	0.05	2.0	6.8	33	5.0	0.26	8.0
7084Za	-05:03	11:06	7.0	67	4.2	0.01	-3.5	7.0	87	3.1	-0.23	-21.0	7.0	51	5.0	0.17	8.1
7101Za	-04:10	11:59	7.3	94	2.8	-0.05	-14.0	7.3	102	2.0	-0.27	-29.2	7.3	79	4.0	0.11	2.1
7118Za	-03:01	13:08	7.2	82	3.8	-0.01	-2.6	7.3	84	2.8	-0.21	-18.9	7.1	79	4.8	0.13	9.5
7135Za	-02:17	13:53	7.2	114	4.3	-0.07	-13.6	7.2	136	3.6	-0.22	-32.0	7.1	89	5.0	0.06	2.9
7153Za	-01:08	15:01	7.4	79	4.2	-0.18	-14.9	7.4	72	4.0	-0.19	-14.9	7.4	89	4.5	-0.16	-15.0
7170Za	0:00	16:09	7.4	196	3.9	-	-	7.5	91	3.3	-	-	7.3	366	5.0	-	-
7187Za	0:49	16:59	7.4	124	4.2	-0.13	-33.8	7.4	54	3.5	0.02	-0.2	7.2	232	5.4	-0.40	-94.0
7203Za	1:42	17:52	7.3	65	4.4	0.05	-4.6	7.4	38	3.8	0.20	6.8	7.3	108	5.3	-0.22	-24.1
7221Za	2:38	18:48	7.2	57	4.6	-0.17	-6.8	7.3	32	4.0	-0.21	-7.0	7.2	88	5.0	-0.12	-6.4
7238Za	3:33	19:43	7.2	40	4.4	0.11	3.7	7.2	30	4.0	0.12	3.4	7.2	52	4.8	0.10	4.2
7253Za	4:08	20:18	7.1	41	4.5	-0.02	-0.3	7.1	36	4.1	-0.09	-2.9	7.1	47	5.0	0.06	2.7
AVERAGE			7.0	74	4.3	-0.03	-9.2	7.0	62	3.7	-0.06	-7.7	7.0	94	4.9	-0.03	-13.7

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7014Zb	3:57	7:57	6.2	31	4.6	-0.45	-13.3	5.9	29	4.3	-0.46	-12.8	6.5	33	5.0	-0.43	-13.9
7031Zb	4:44	8:44	6.3	28	4.9	0.05	1.5	6.0	26	4.6	0.06	1.8	6.5	30	5.1	0.04	1.2
7048Zb	5:30	9:30	6.5	29	4.7	0.11	3.4	6.3	27	4.3	0.06	1.7	6.6	31	5.0	0.16	4.9
7065Zb	6:11	10:11	6.7	54	4.4	0.20	6.8	6.6	79	3.7	0.10	4.8	6.8	33	5.1	0.27	8.4
7083Zb	-05:04	11:05	7.0	76	4.2	0.15	7.7	7.0	96	3.1	-0.01	-2.4	7.0	61	5.2	0.26	14.7
7100Zb	-04:12	11:57	7.3	57	3.2	-0.03	-5.5	7.3	71	1.8	-0.31	-22.5	7.2	45	4.5	0.13	4.7
7117Zb	-03:03	13:06	7.2	86	3.7	0.01	-0.8	7.3	91	2.8	-0.11	-10.6	7.2	81	4.6	0.10	6.4
7134Zb	-02:19	13:50	7.2	117	4.2	-0.05	-9.7	7.2	130	3.6	-0.16	-22.1	7.1	102	4.9	0.06	2.2
7152Zb	-01:10	14:59	7.4	81	4.2	-0.18	-15.4	7.4	73	3.9	-0.24	-18.7	7.3	92	4.6	-0.13	-12.4
7169Zb	-00:03	16:06	7.4	204	4.0	0.03	-38.6	7.5	138	3.5	0.33	9.3	7.3	316	4.9	-0.26	-86.5
7186Zb	0:47	16:57	7.3	163	4.4	-0.22	-60.9	7.4	78	3.5	-0.08	-19.1	7.1	294	5.7	-0.47	-135.8
7202Zb	1:40	17:50	7.3	71	4.5	0.02	-6.5	7.3	42	3.9	0.16	4.8	7.2	115	5.4	-0.23	-25.9
7220Zb	2:36	18:46	7.3	56	4.5	-0.20	-10.1	7.3	36	4.0	-0.19	-7.5	7.2	81	5.1	-0.21	-14.0
7237Zb	3:31	19:41	7.2	44	4.5	0.11	4.6	7.2	31	4.1	0.12	3.8	7.2	59	5.0	0.09	5.9
7252Zb	4:06	20:16	7.1	41	4.5	0.08	2.9	7.1	41	4.1	0.08	2.7	7.2	41	4.8	0.08	3.2
AVERAGE			7.0	76	4.3	-0.02	-8.9	7.0	66	3.7	-0.04	-5.8	7.0	94	5.0	-0.04	-15.8

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7014Zc	3:55	7:55	6.1	33	4.7	0.07	2.0	5.8	30	4.6	0.08	2.1	6.5	36	4.9	0.05	1.8
7030Zc	4:41	8:41	6.2	29	4.7	0.04	1.3	6.0	28	4.5	0.04	1.1	6.6	31	4.8	0.05	1.5
7047Zc	5:28	9:28	6.3	56	4.3	0.16	5.8	6.0	85	3.7	0.09	5.3	6.5	28	4.8	0.22	6.2
7064Zc	6:10	10:10	6.8	66	4.2	0.20	8.9	6.7	102	3.3	0.10	8.2	6.9	35	4.9	0.29	9.6
7082Zc	-05:06	11:03	7.1	90	3.8	0.17	8.4	7.1	121	2.5	-0.06	-7.5	7.1	64	4.9	0.32	19.1
7099Zc	-04:14	11:56	7.3	94	3.0	-0.03	-9.4	7.3	106	1.7	-0.27	-33.3	7.2	83	4.3	0.12	6.0
7116Zc	-03:05	13:04	7.2	96	3.5	0.06	4.0	7.3	96	2.8	-0.08	-7.8	7.2	96	4.4	0.17	13.5
7133Zc	-02:22	13:47	7.2	134	4.1	-0.05	-10.9	7.2	151	3.6	-0.13	-23.2	7.1	112	4.8	0.04	1.3
7151Zc	-01:13	14:56	7.4	86	4.2	-0.12	-11.3	7.4	78	4.0	-0.16	-14.1	7.3	99	4.6	-0.08	-8.4
7185Zc	0:45	16:55	7.3	184	4.8	-0.18	-53.8	7.4	109	4.1	-0.07	-23.2	7.1	304	5.7	-0.38	-108.5
7201Zc	1:38	17:48	7.2	85	5.0	-0.05	-9.1	7.2	59	4.6	0.01	-2.4	7.0	127	5.7	-0.18	-22.8
7219Zc	2:34	18:44	7.3	61	4.3	-0.13	-5.9	7.3	39	4.0	-0.17	-6.2	7.2	94	4.8	-0.06	-5.5
7236Zc	3:29	19:39	7.2	43	4.5	0.05	1.9	7.2	33	4.2	0.04	1.2	7.2	55	4.9	0.06	2.9
7251Zc	4:04	20:14	7.1	33	4.4	0.10	3.4	7.1	30	4.2	0.10	2.9	7.1	37	4.8	0.11	4.1
AVERAGE			7.0	78	4.3	0.02	-4.6	6.9	76	3.7	-0.04	-6.9	7.0	86	4.9	0.05	-5.7

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7013Zd	3:53	7:53	6.5	48	4.6	-0.07	-3.1	6.3	34	4.5	-0.08	-2.6	6.7	65	4.8	-0.07	-3.9
7029Zd	4:39	8:39	6.4	70	4.3	-0.03	-3.7	6.1	85	4.2	-0.10	-8.7	6.6	52	4.4	0.05	2.5
7046Zd	5:25	9:25	6.5	70	4.1	-0.39	-29.4	6.4	108	3.5	-0.46	-47.9	6.7	33	4.8	-0.33	-10.9
7063Zd	6:08	10:08	6.9	74	3.9	0.16	4.7	6.8	108	3.0	-0.03	-4.0	6.9	42	4.7	0.34	12.6
7081Zd	-05:08	11:01	7.3	99	3.3	0.11	4.6	7.3	119	2.1	-0.11	-13.3	7.2	82	4.3	0.29	18.6
7098Zd	-04:15	11:54	7.3	100	2.7	-0.05	-10.5	7.3	105	1.6	-0.27	-31.6	7.2	95	3.9	0.08	3.0
7115Zd	-03:07	13:02	7.3	97	3.5	0.04	4.0	7.3	90	2.8	-0.16	-14.3	7.2	106	4.3	0.21	20.1
7132Zd	-02:23	13:46	7.2	139	4.1	-0.04	-9.5	7.3	153	3.5	-0.15	-26.5	7.2	122	4.8	0.08	7.4
7150Zd	-01:15	14:54	7.5	85	4.1	-0.12	-10.5	7.5	74	3.8	-0.22	-18.5	7.5	100	4.5	-0.02	-2.2
7167Zd	-00:08	16:01	7.4	200	4.3	-0.11	-45.3	7.5	147	3.9	0.07	0.2	7.3	300	5.1	-0.36	-107.6
7184Zd	0:42	16:52	7.2	215	5.1	-0.21	-57.6	7.3	146	4.6	-0.16	-36.5	7.0	333	5.9	-0.29	-92.3
7200Zd	1:35	17:45	7.2	94	5.2	-0.04	-7.5	7.3	71	4.7	0.01	-2.9	7.0	134	6.0	-0.13	-16.9
7218Zd	2:32	18:42	7.2	64	4.4	-0.07	-6.1	7.3	41	4.1	-0.02	-1.5	7.2	101	5.0	-0.16	-14.6
7235Zd	3:28	19:38	7.2	65	4.4	0.05	0.9	7.2	34	4.1	0.10	3.1	7.2	108	4.8	-0.02	-2.6
7250Zd	4:02	20:12	7.2	36	4.4	0.15	5.1	7.2	30	4.2	0.18	5.4	7.2	42	4.8	0.11	4.7
AVERAGE			7.1	97	4.2	-0.04	-10.9	7.1	90	3.6	-0.09	-13.3	7.1	114	4.8	-0.02	-12.1

Siltprofiles Name	Time after HW [hh:mm]	Time [hh:mm MET]	Depth Avg					Above -7.6m Depth Avg					Below -7.6m Depth Avg				
			Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]	Temp [°C]	SS Conc [mg/l]	Sal [ppt]	Vel(par) [m/s]	Outflux [g/m²/s]
7012Ze	3:51	7:51	6.5	32	4.6	-0.01	-0.3	6.4	24	4.5	0.00	0.0	6.8	42	4.8	-0.03	-0.7
7028Ze	4:37	8:37	6.1	120	4.2	0.02	1.5	5.7	136	4.2	-0.04	-5.8	6.5	102	4.2	0.09	9.5
7045Ze	5:23	9:23	6.6	114	3.6	0.31	34.3	6.5	141	3.2	0.24	33.0	6.8	90	4.0	0.36	35.3
7062Ze	6:06	10:06	6.8	97	3.2	0.15	11.7	6.6	115	2.5	-0.01	-0.4	6.9	80	3.8	0.28	21.9
7080Ze	-05:09	11:00	7.3	112	2.9	-0.06	-13.8	7.3	125	2.0	-0.27	-38.0	7.3	102	3.6	0.09	3.0
7097Ze	-04:17	11:52	7.3	99	2.9	-0.12	-12.9	7.4	91	1.6	-0.20	-20.7	7.3	105	4.0	-0.07	-8.5
7114Ze	-03:11	12:58	7.2	90	3.2	-0.05	-8.7	7.2	85	3.0	-0.24	-22.5	7.2	96	3.5	0.09	4.0
7131Ze	-02:25	13:44	7.3	171	4.0	-0.06	-15.1	7.3	164	3.6	-0.11	-20.9	7.3	178	4.4	-0.02	-9.9
7149Ze	-01:17	14:52	7.6	88	4.2	-0.15	-13.8	7.6	79	3.9	-0.21	-19.3	7.6	99	4.4	-0.09	-8.8
7166Ze	-00:11	15:58	7.3	230	4.6	-0.29	-85.5	7.5	192	4.2	-0.03	-18.1	7.1	290	5.3	-0.57	-168.1
7183Ze	0:40	16:50	7.2	199	5.0	-0.18	-44.6	7.3	148	4.6	-0.03	-7.0	7.1	272	5.7	-0.39	-98.6
7199Ze	1:33	17:43	7.2	109	5.0	-0.01	-6.4	7.3	70	4.4	0.06	-0.3	7.0	163	6.0	-0.11	-15.9
7217Ze	2:29	18:39	7.2	54	4.5	0.08	3.1	7.2	39	4.1	0.14	5.4	7.1	74	5.0	0.00	0.0
7234Ze	3:26	19:36	7.2	120	4.4	0.07	7.6	7.2	70	4.1	0.08	4.6	7.2	177	4.7	0.07	11.6
7249Ze	4:00	20:10	7.2	55	4.4	0.14	8.9	7.2	35	4.1	0.13	4.5	7.2	76	4.6	0.16	13.8
AVERAGE			7.1	113	4.0	-0.01	-9.1	7.0	101	3.6	-0.03	-7.0	7.1	130	4.5	-0.01	-14.1

D.2 Figures

External effects on siltation in Deurganckdok

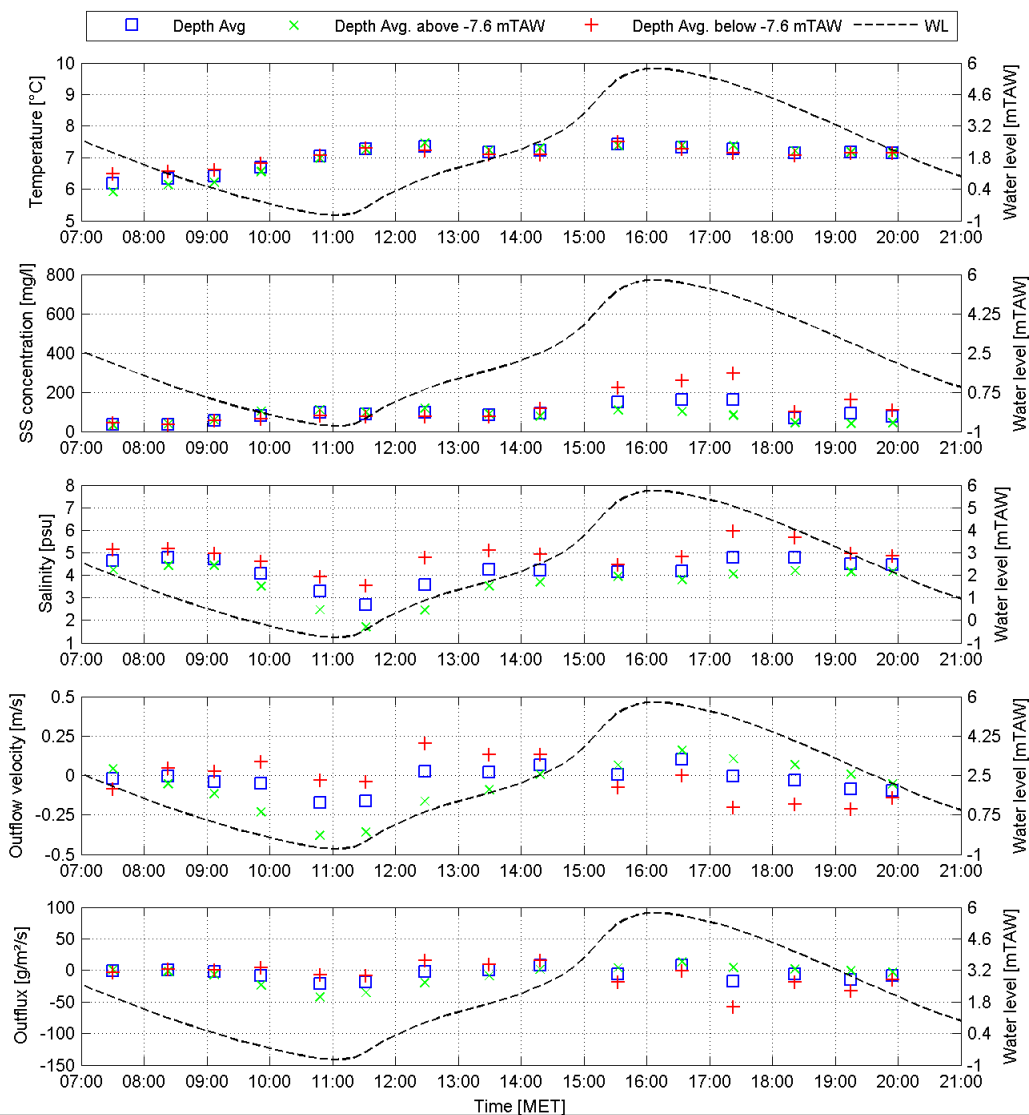
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Xa



Date :

09-Mar-2012

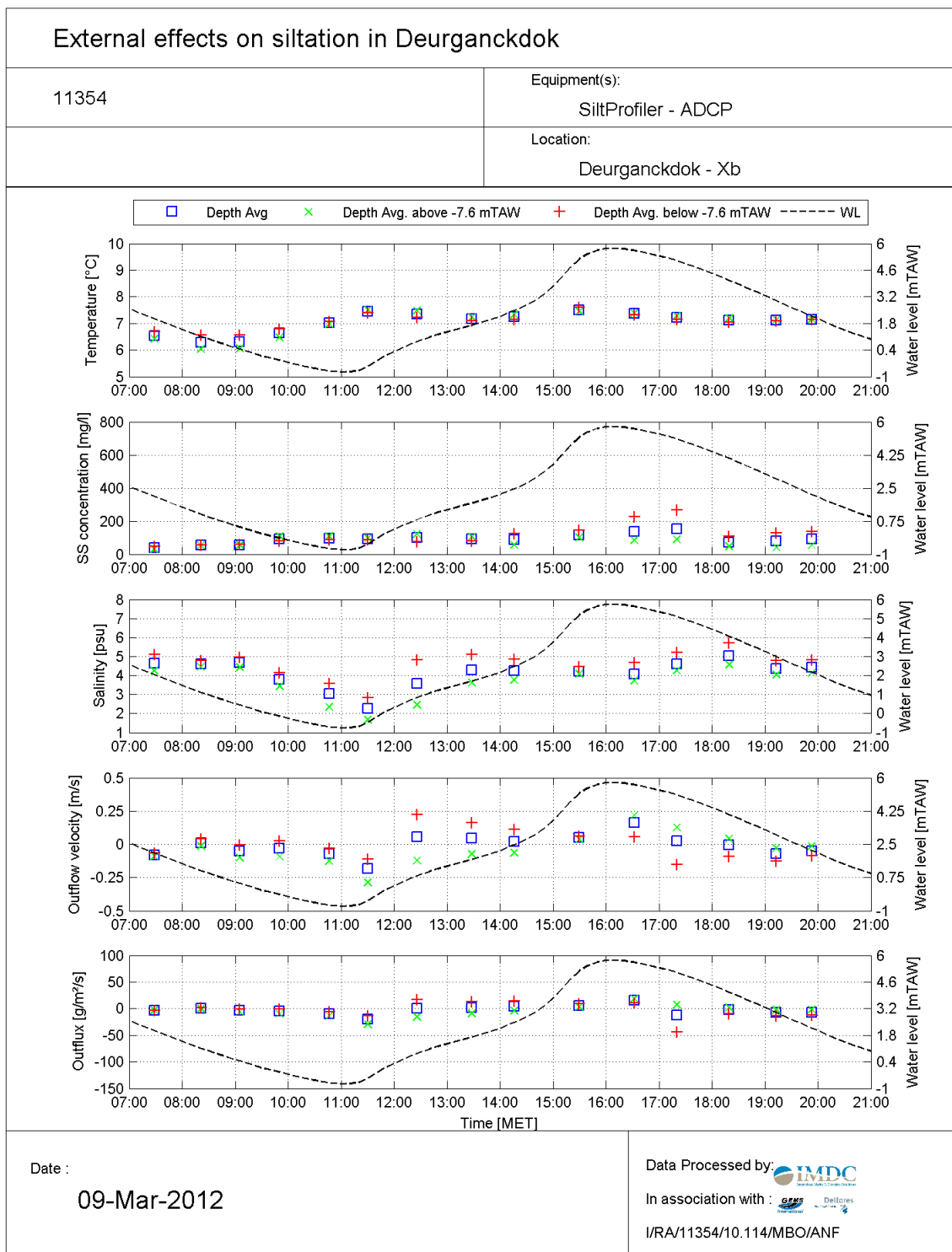
Data Processed by:



In association with:



I/RA/11354/10.114/MBO/ANF



External effects on siltation in Deurganckdok

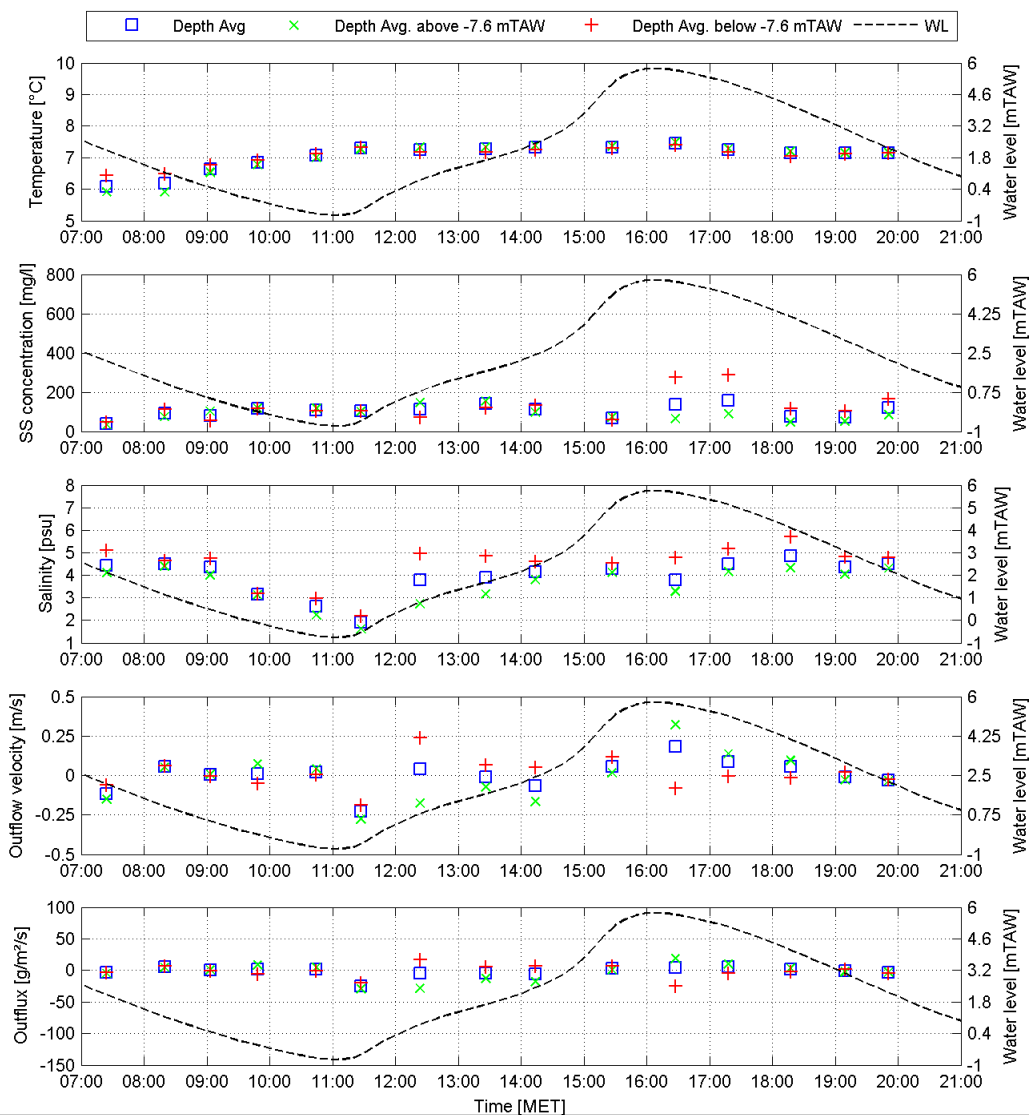
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Xc



Date :

09-Mar-2012

Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF

External effects on siltation in Deurganckdok

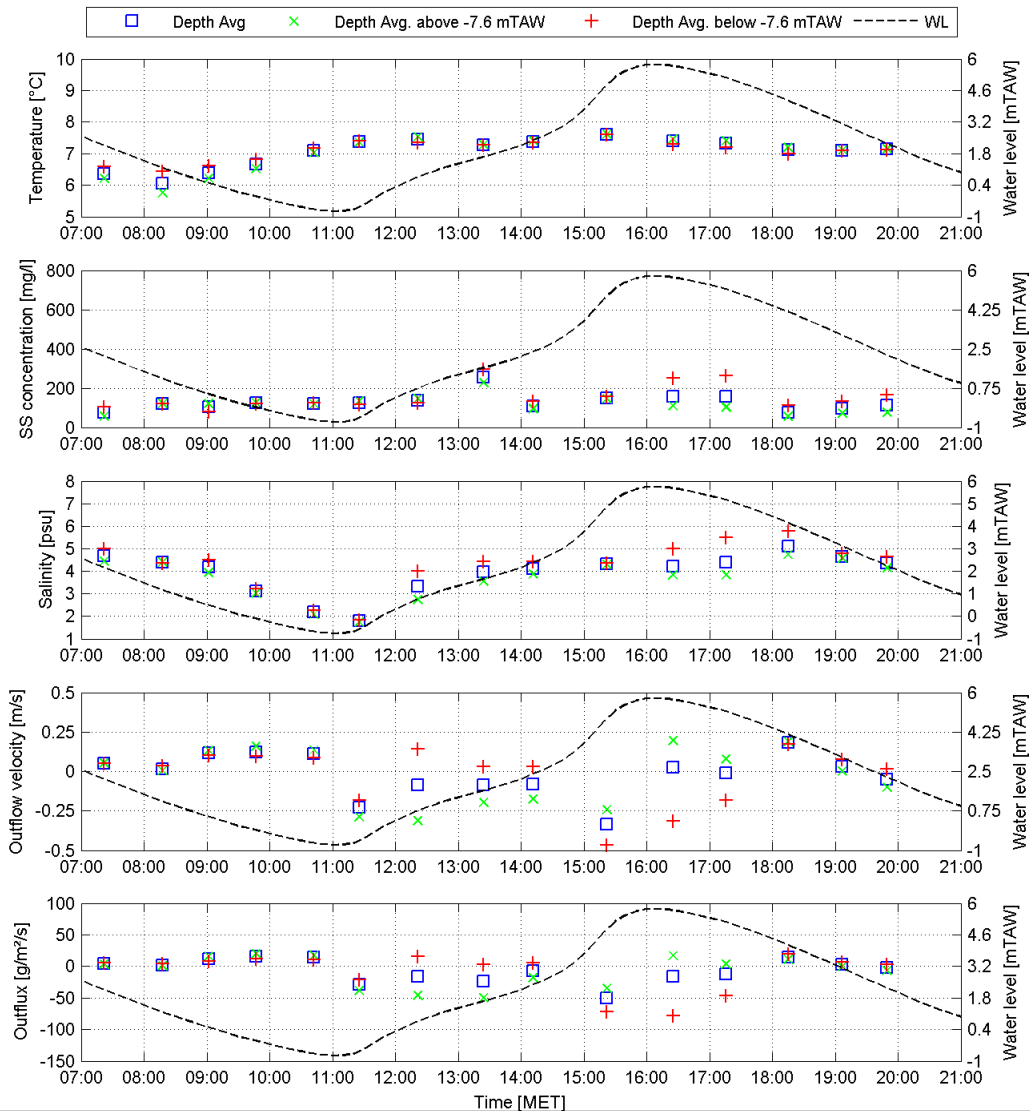
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Xd



Date :

09-Mar-2012

Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF

External effects on siltation in Deurganckdok

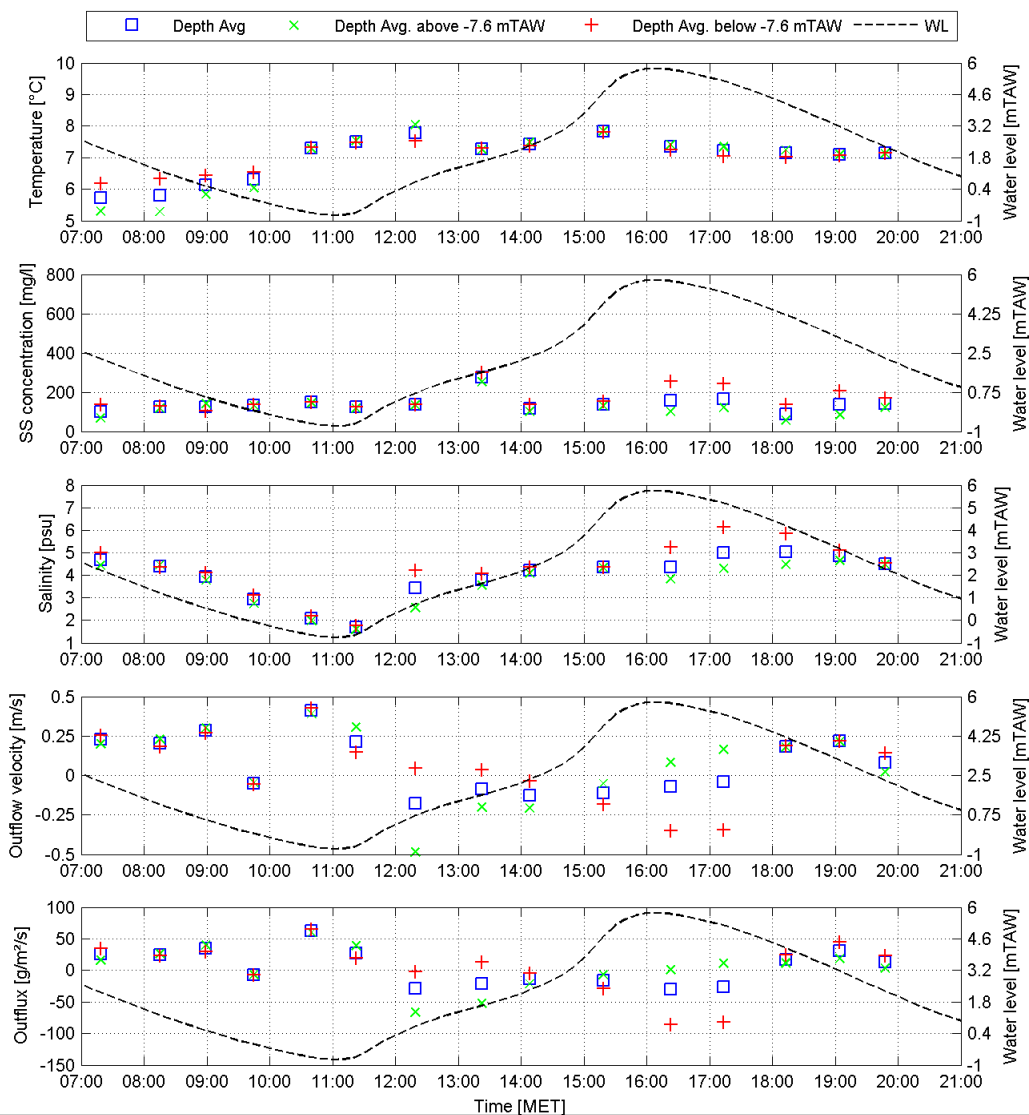
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Xe



Date :

09-Mar-2012

Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF

External effects on siltation in Deurganckdok

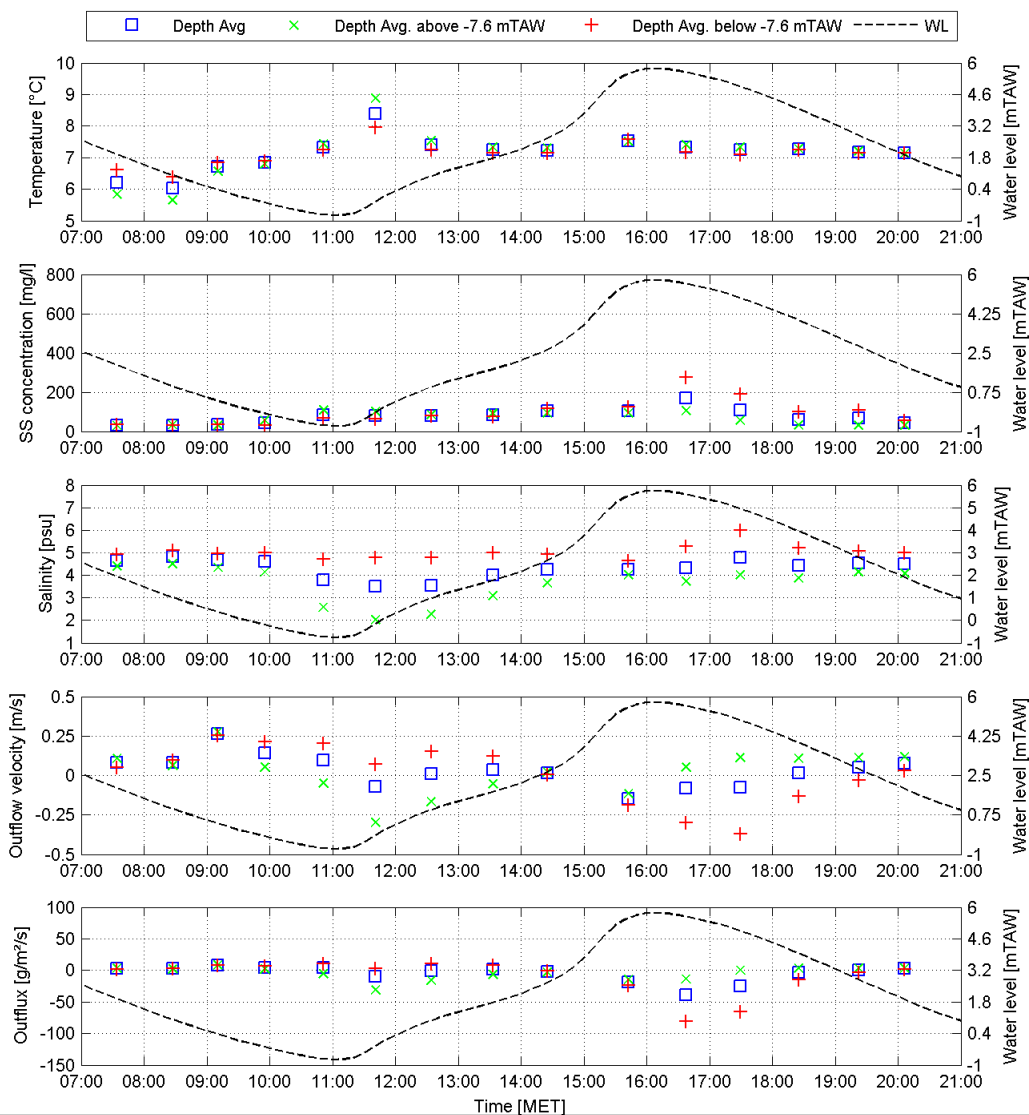
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Ya



Date :

09-Mar-2012

Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF

External effects on siltation in Deurganckdok

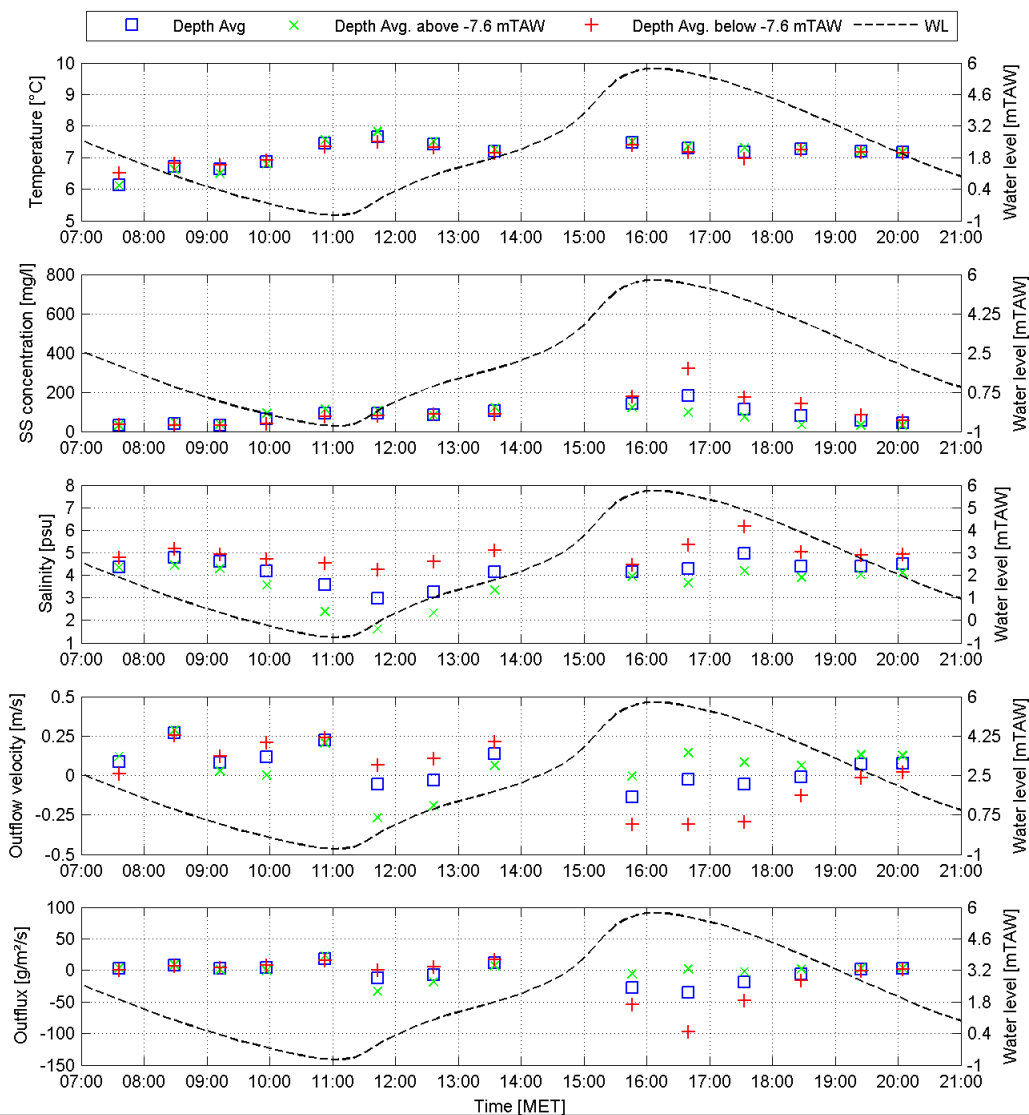
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Yb



Date :

09-Mar-2012

Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF

External effects on siltation in Deurganckdok

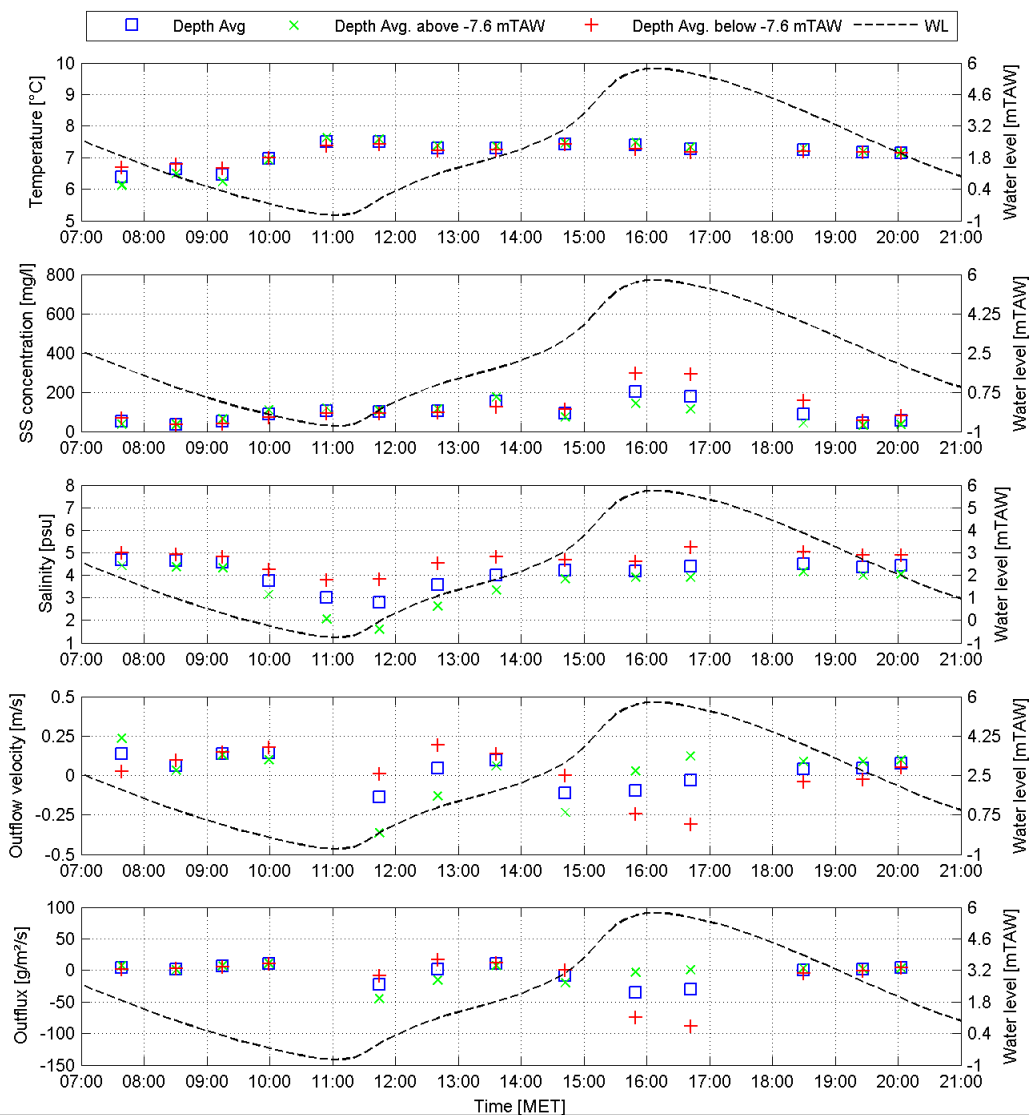
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Yc



Date :

09-Mar-2012

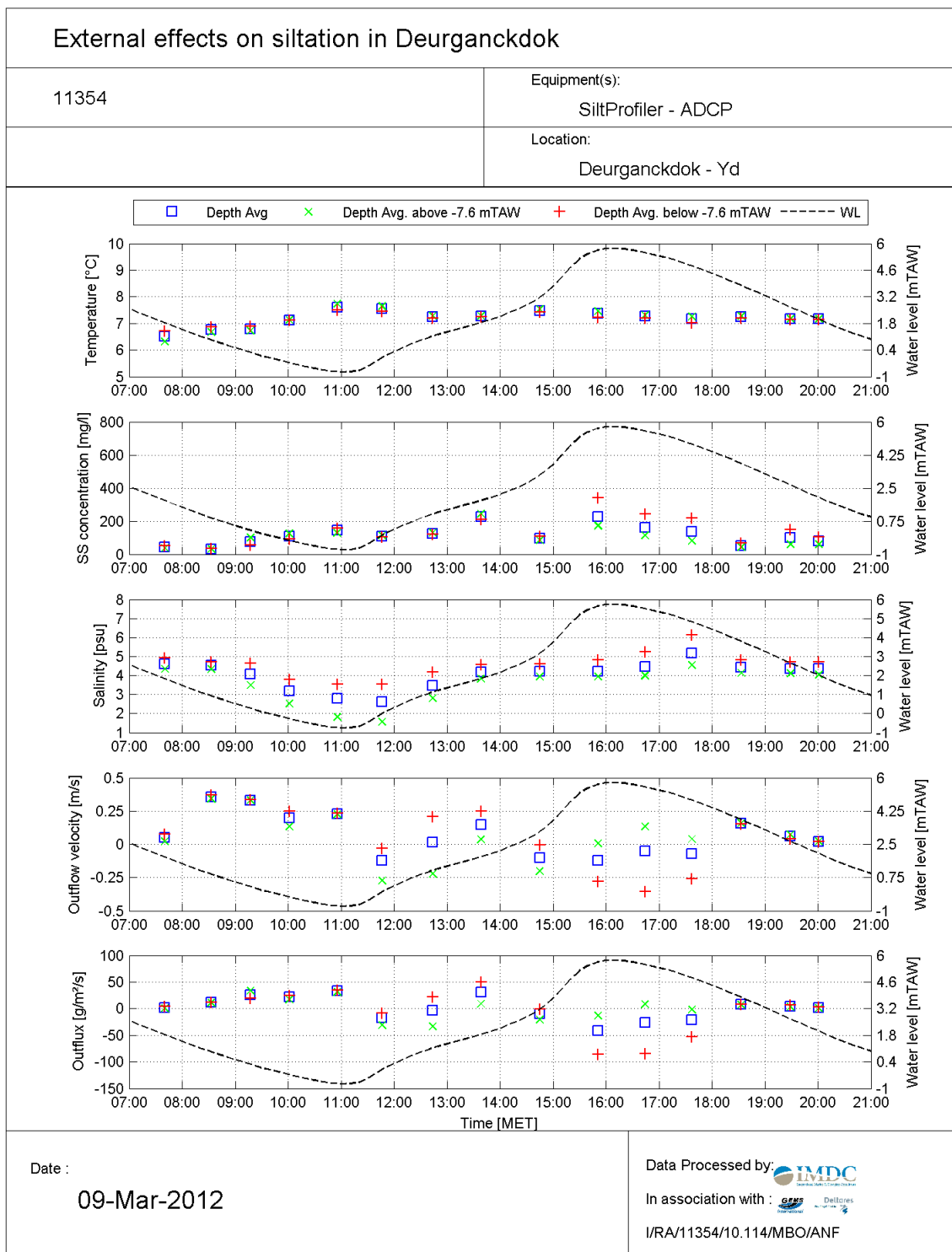
Data Processed by:



In association with :



I/RA/11354/10.114/MBO/ANF



External effects on siltation in Deurganckdok

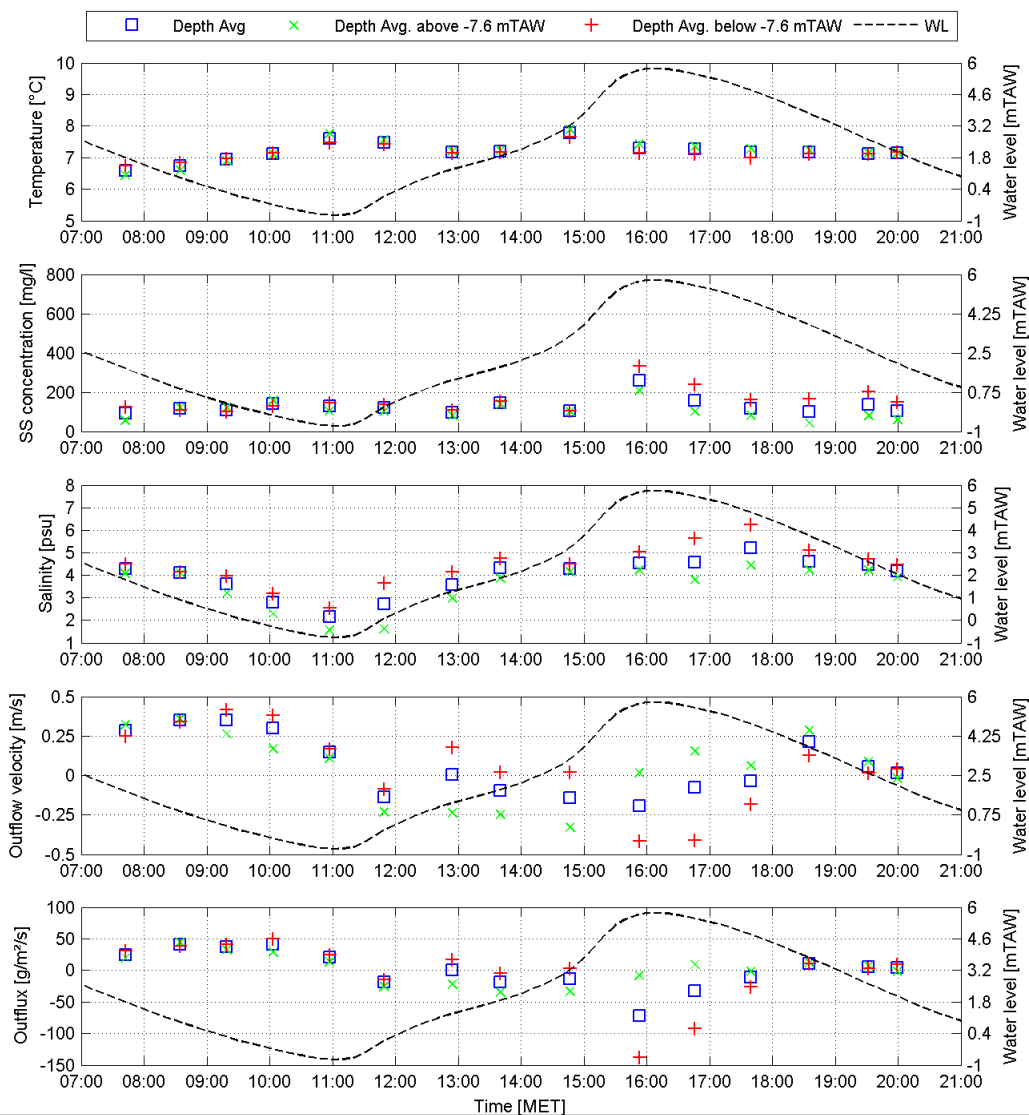
11354

Equipment(s):

SiltProfiler - ADCP

Location:

Deurganckdok - Ye



Date :

09-Mar-2012

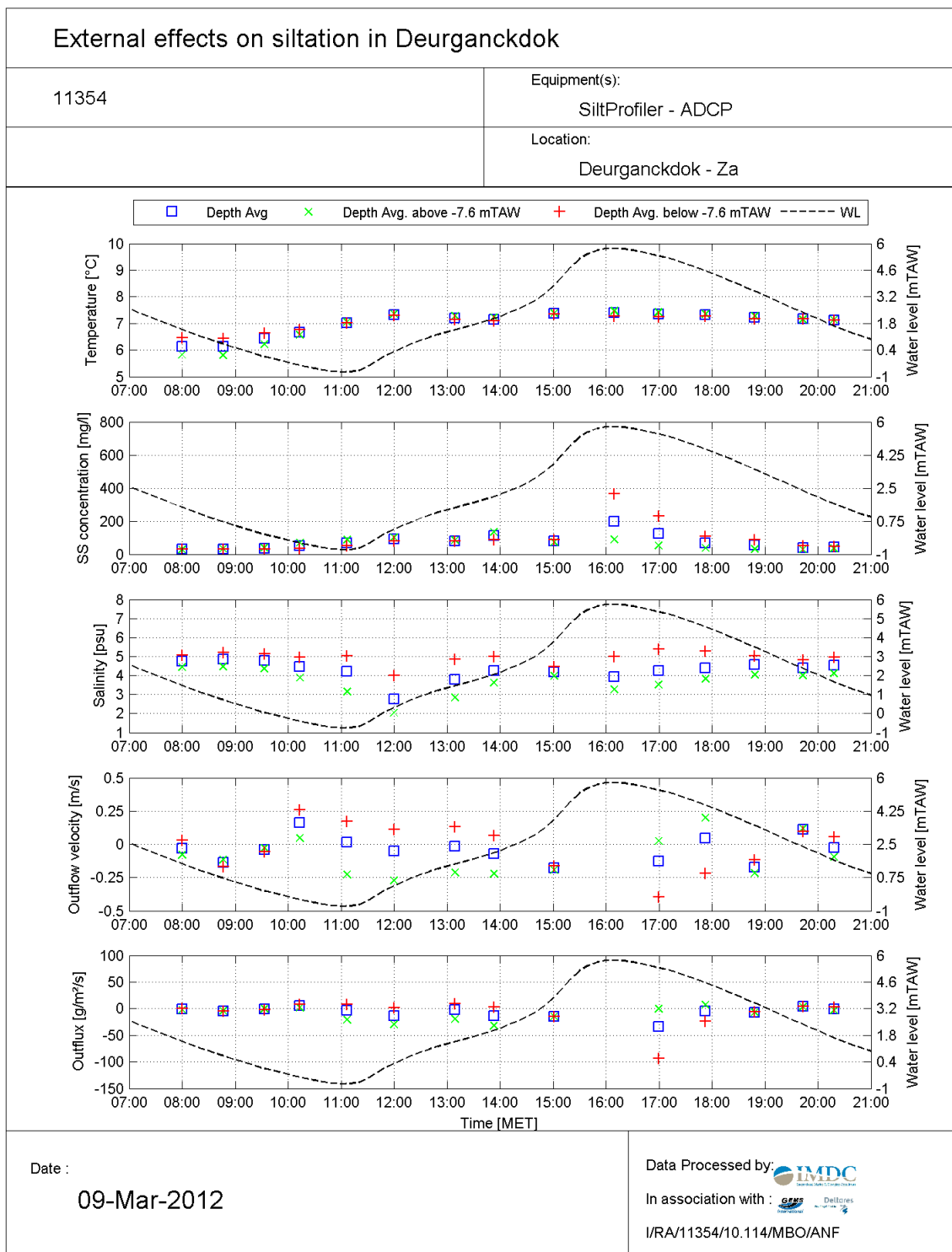
Data Processed by:

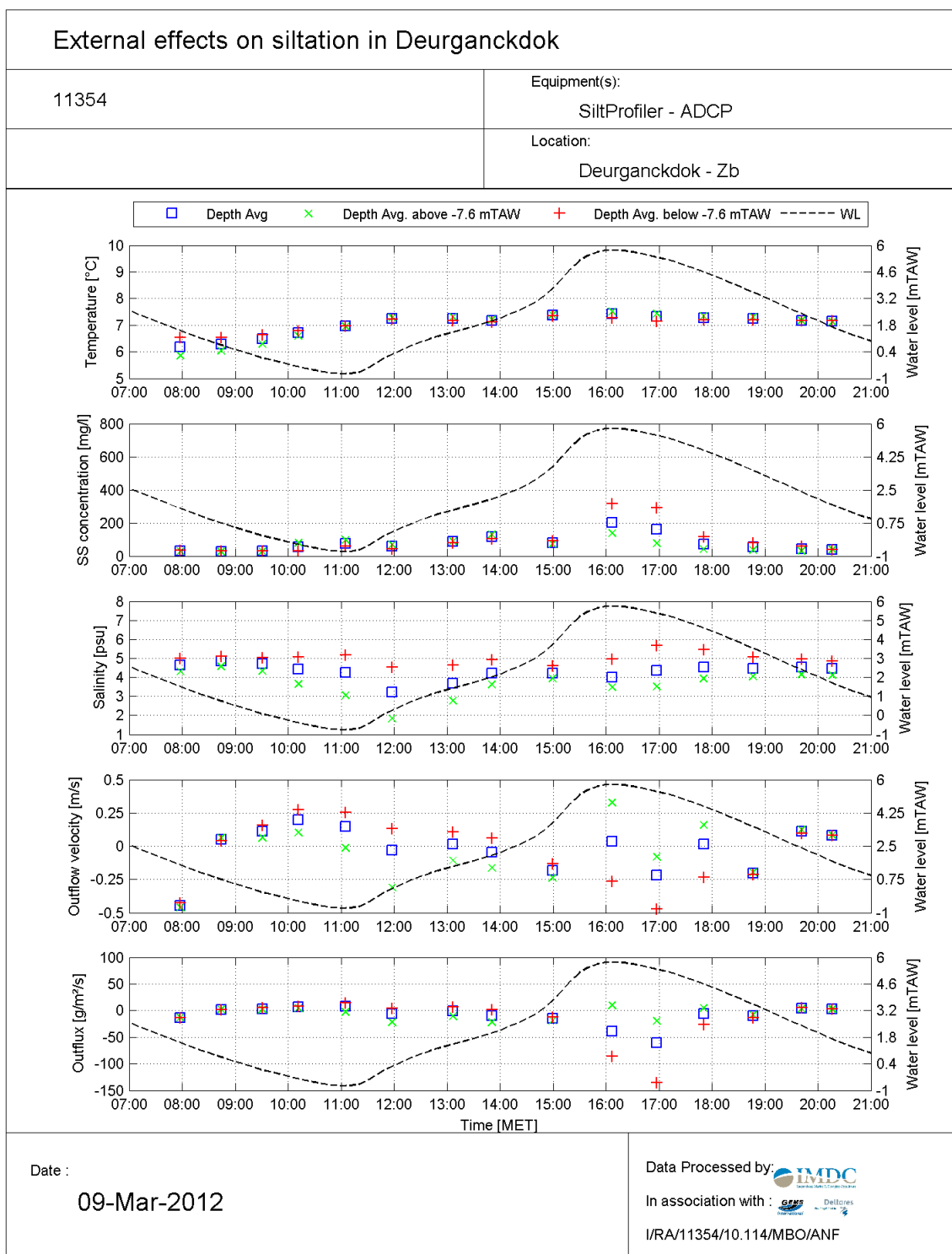


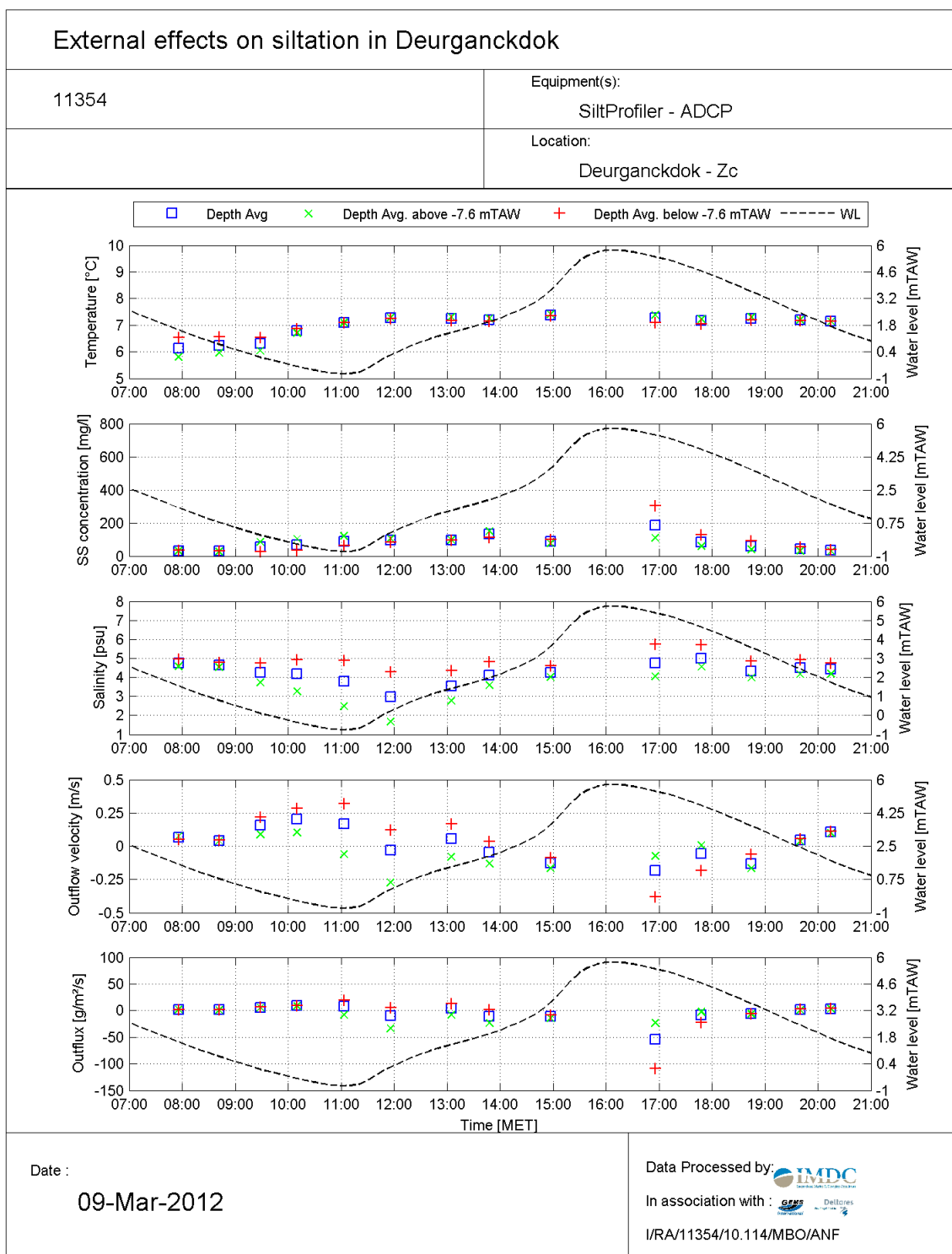
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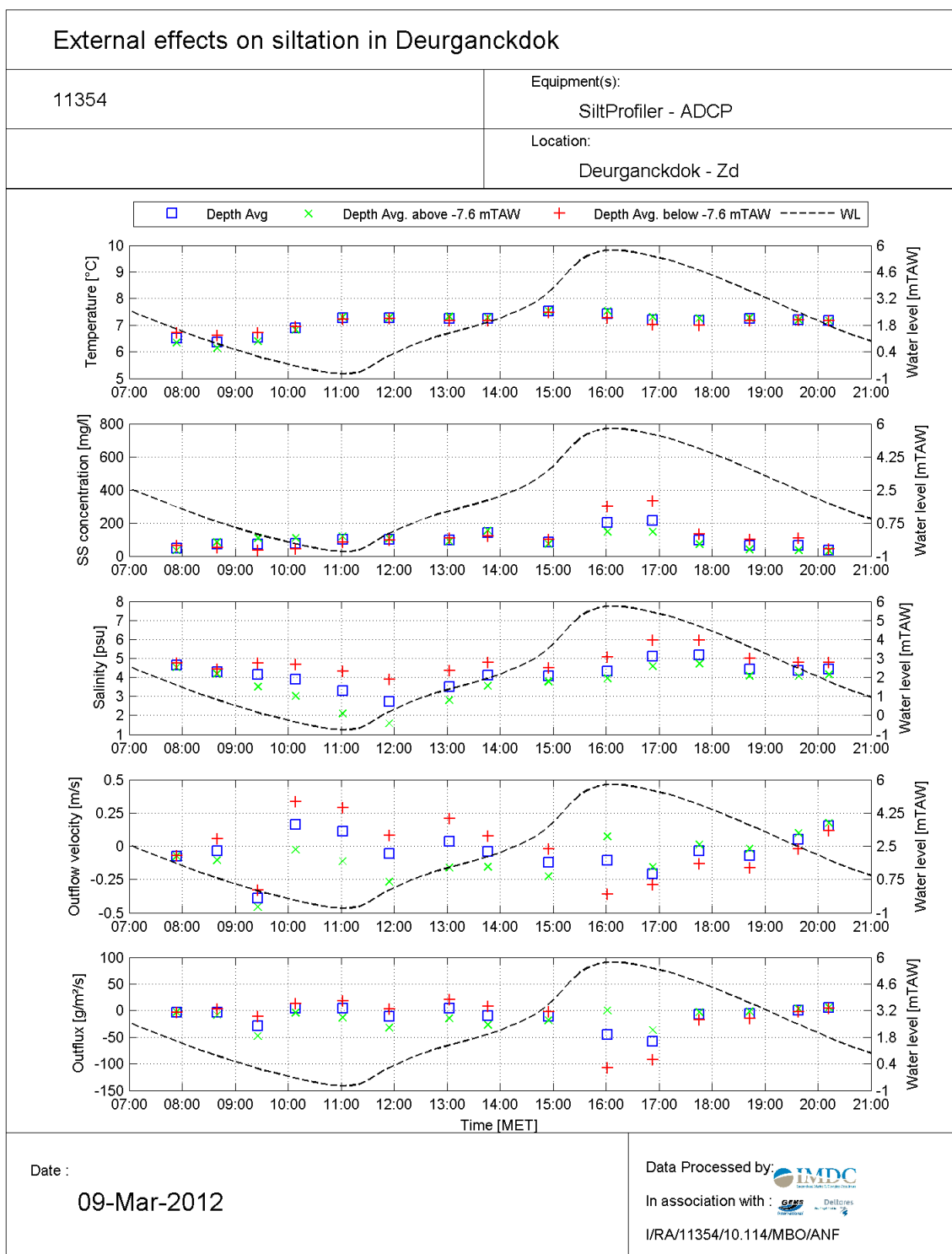


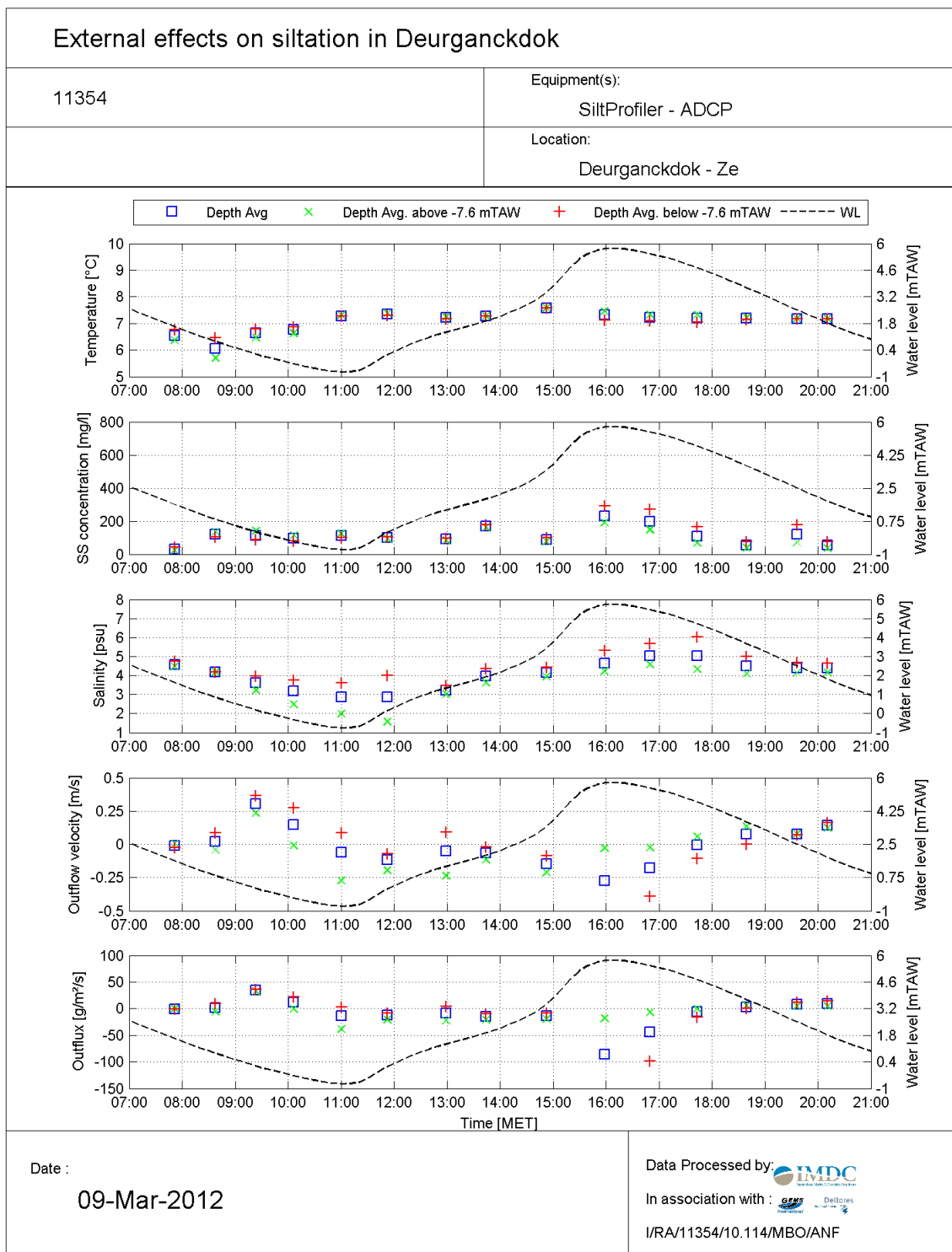
I/RA/11354/10.114/MBO/ANF





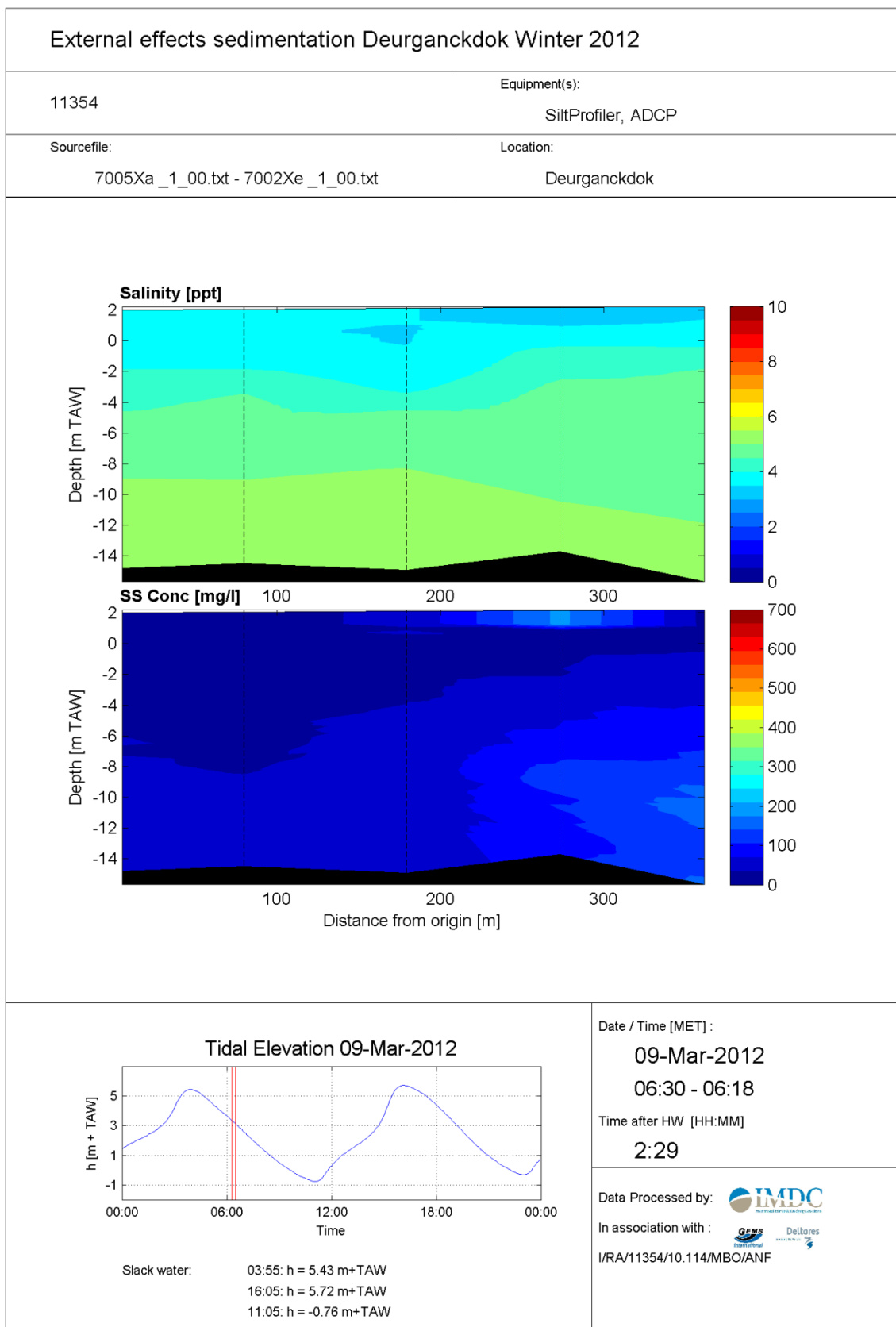


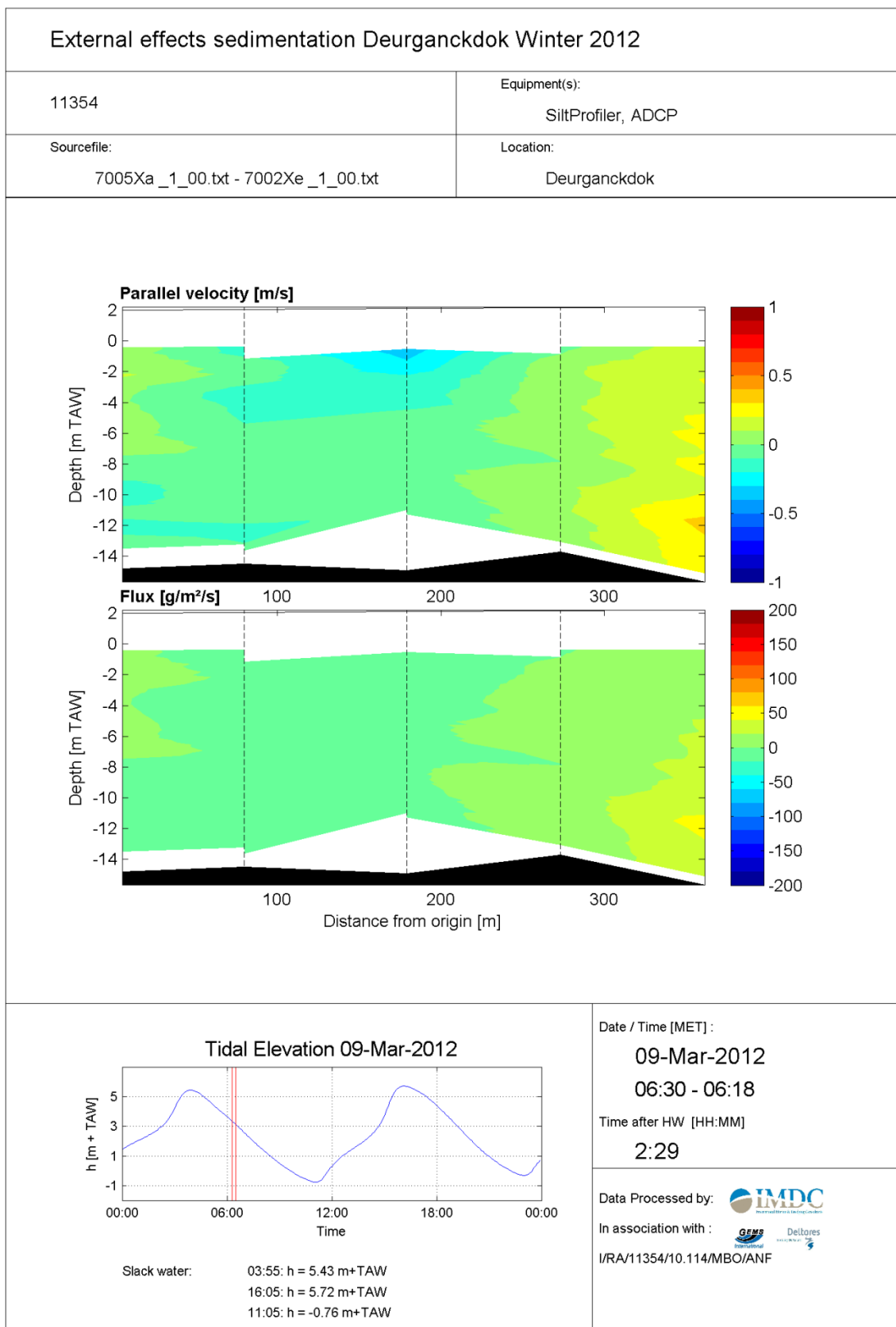


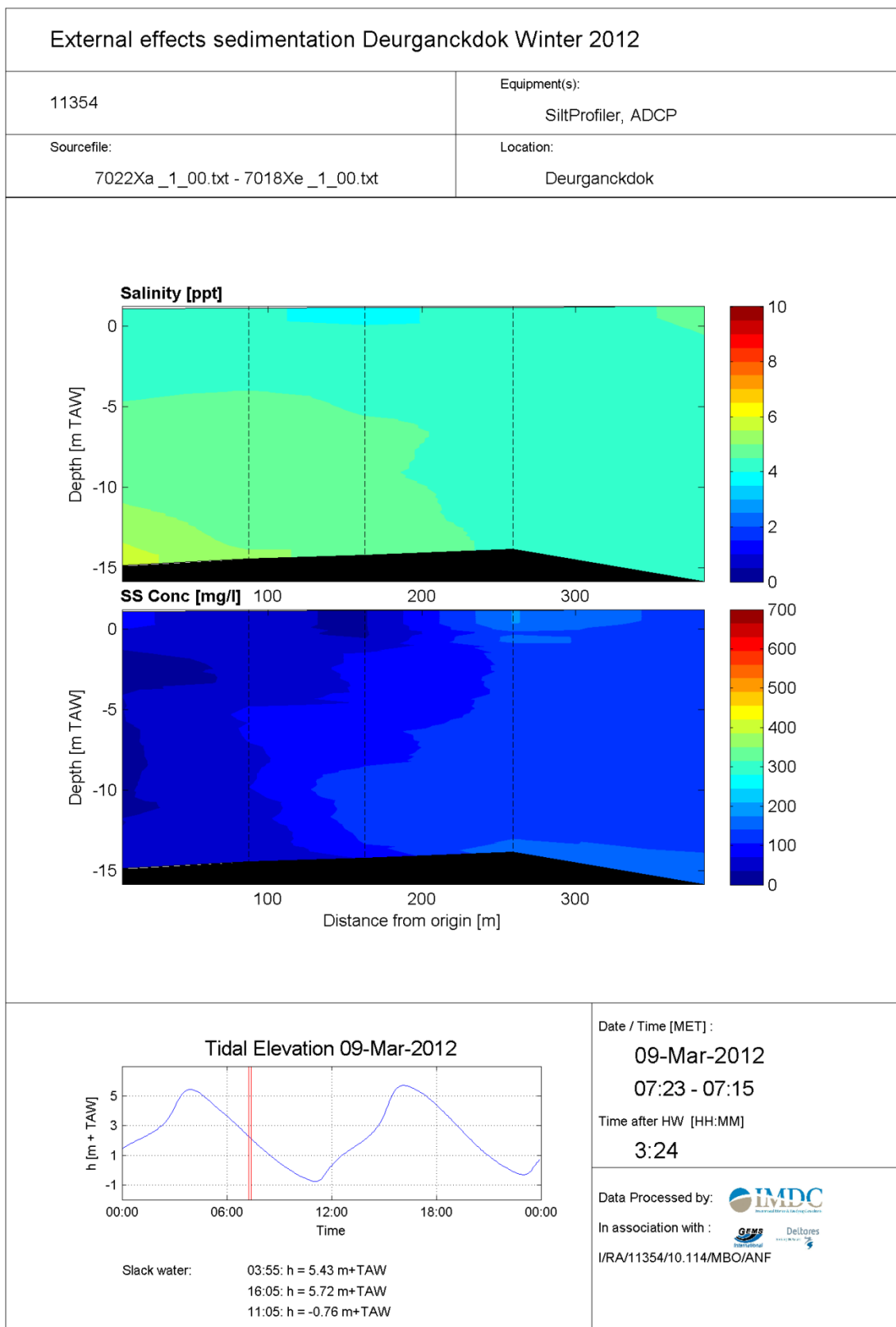


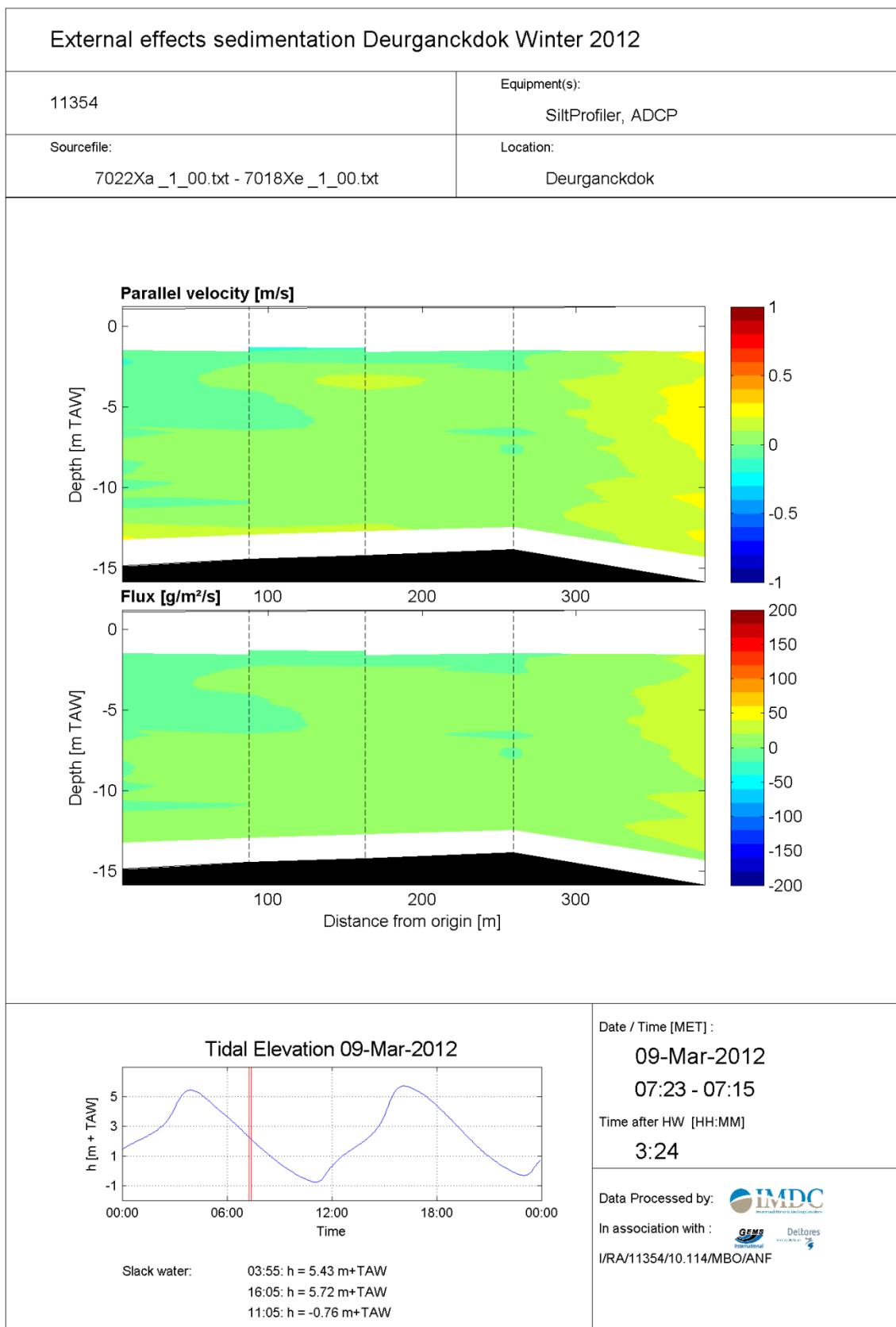
Annex E Spatial Distribution of the Siltprofiles

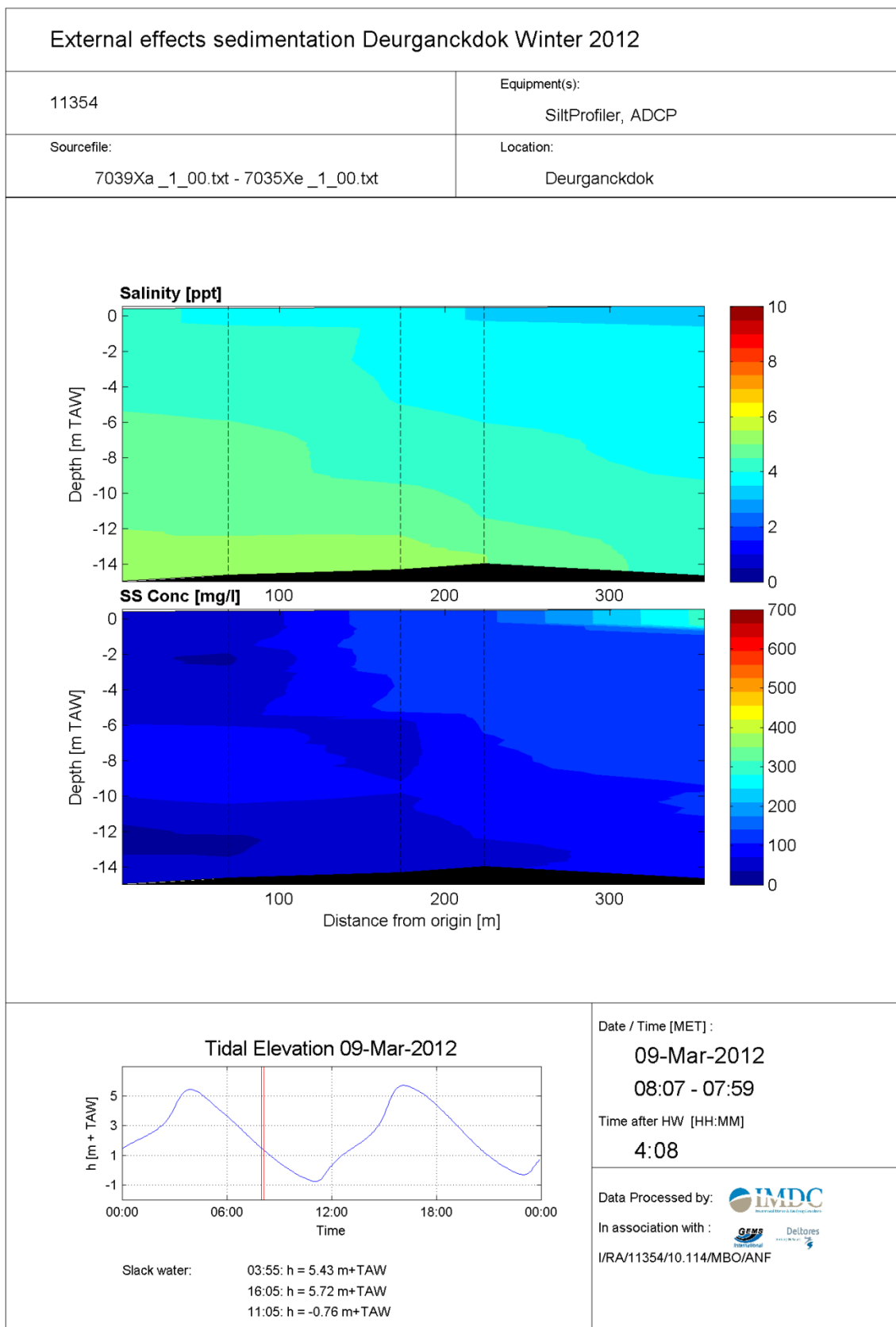
E.1 Cross-section X

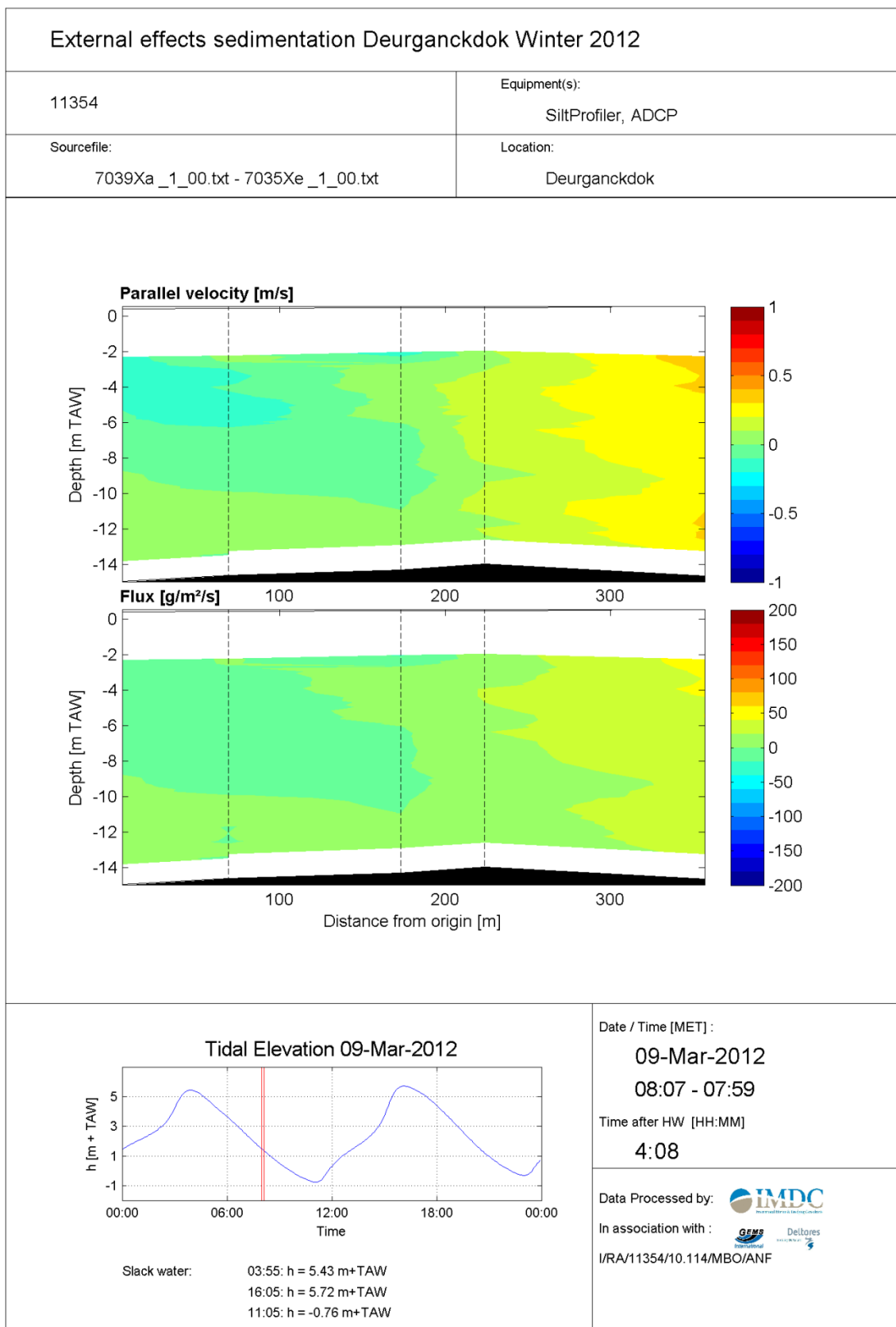


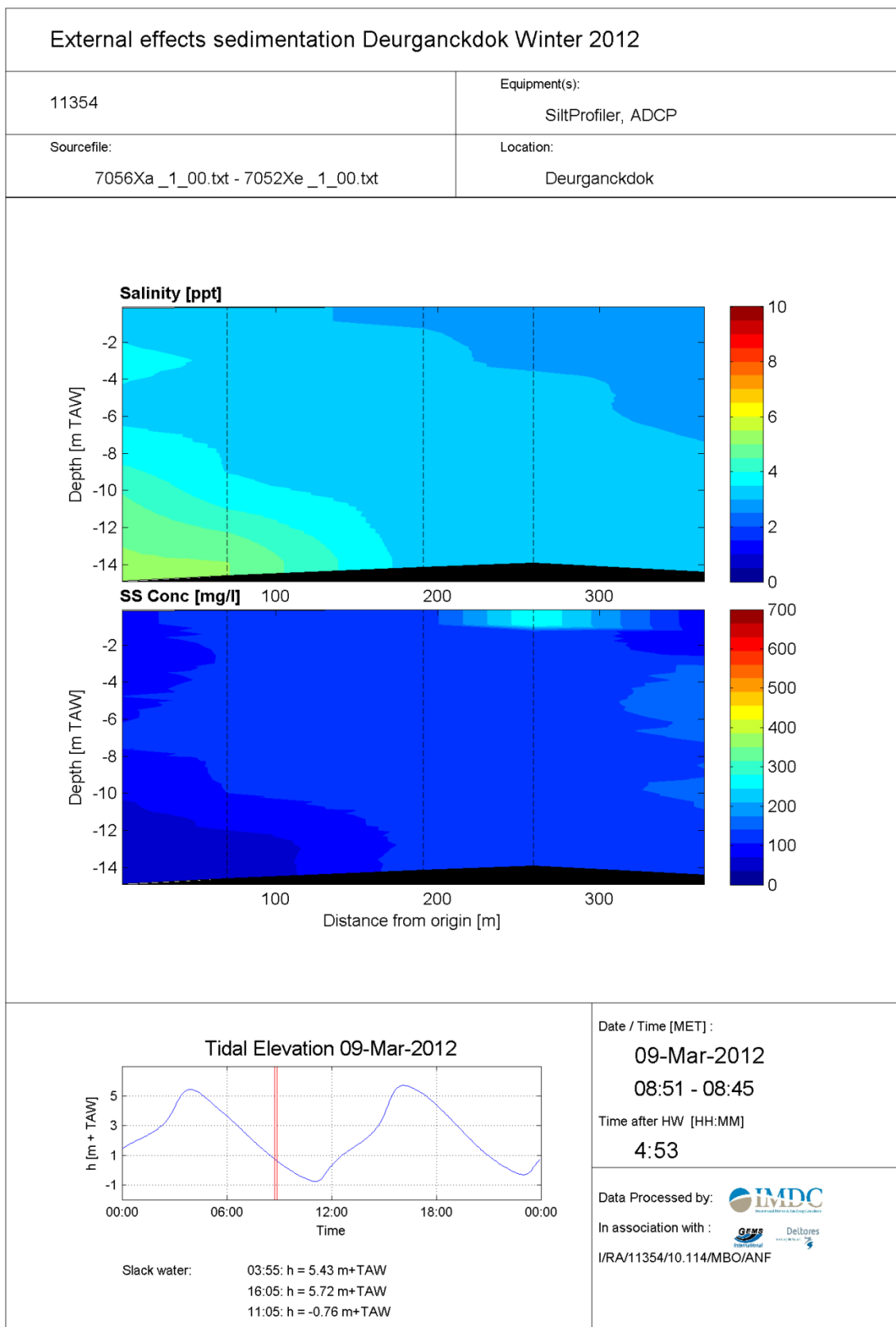


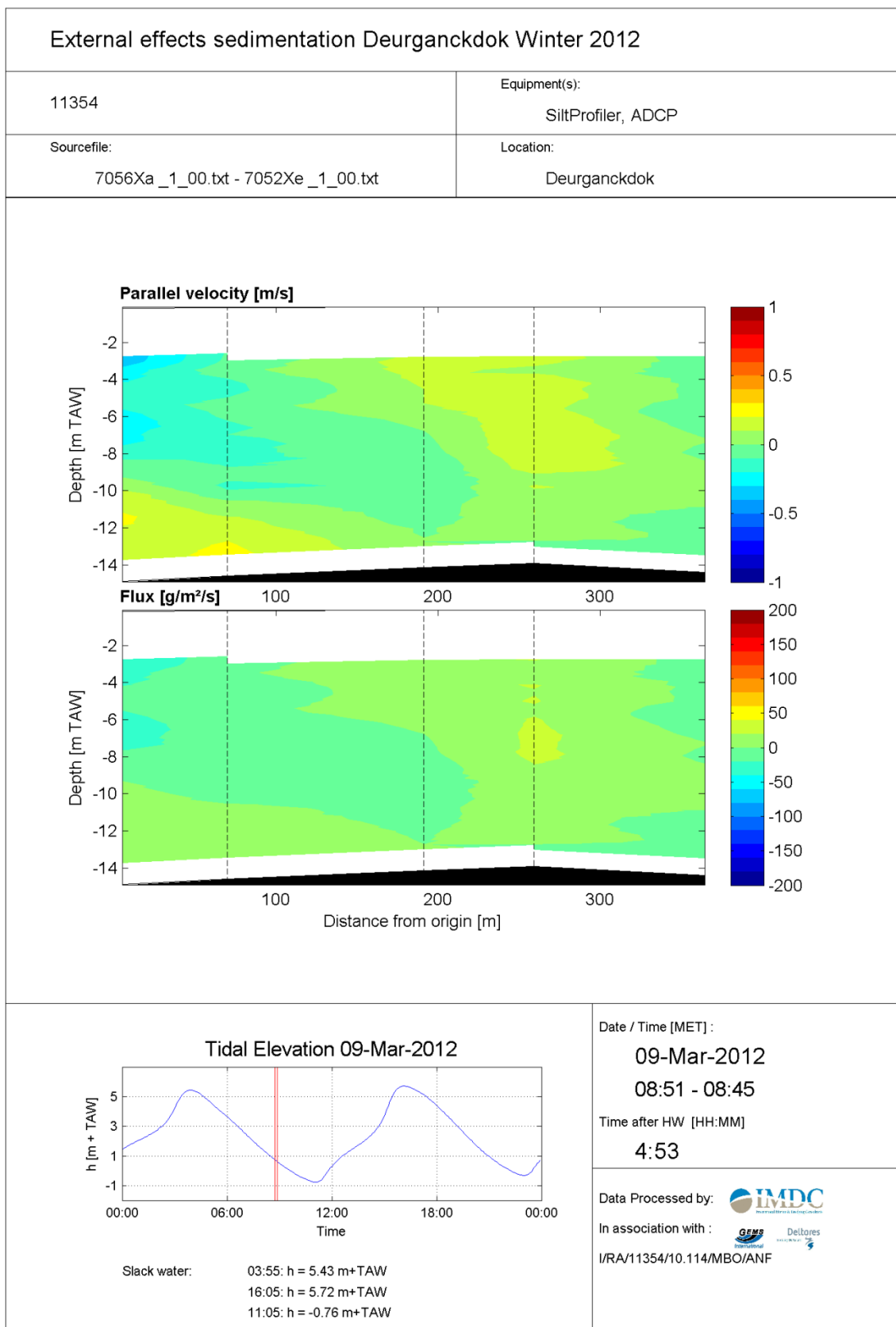


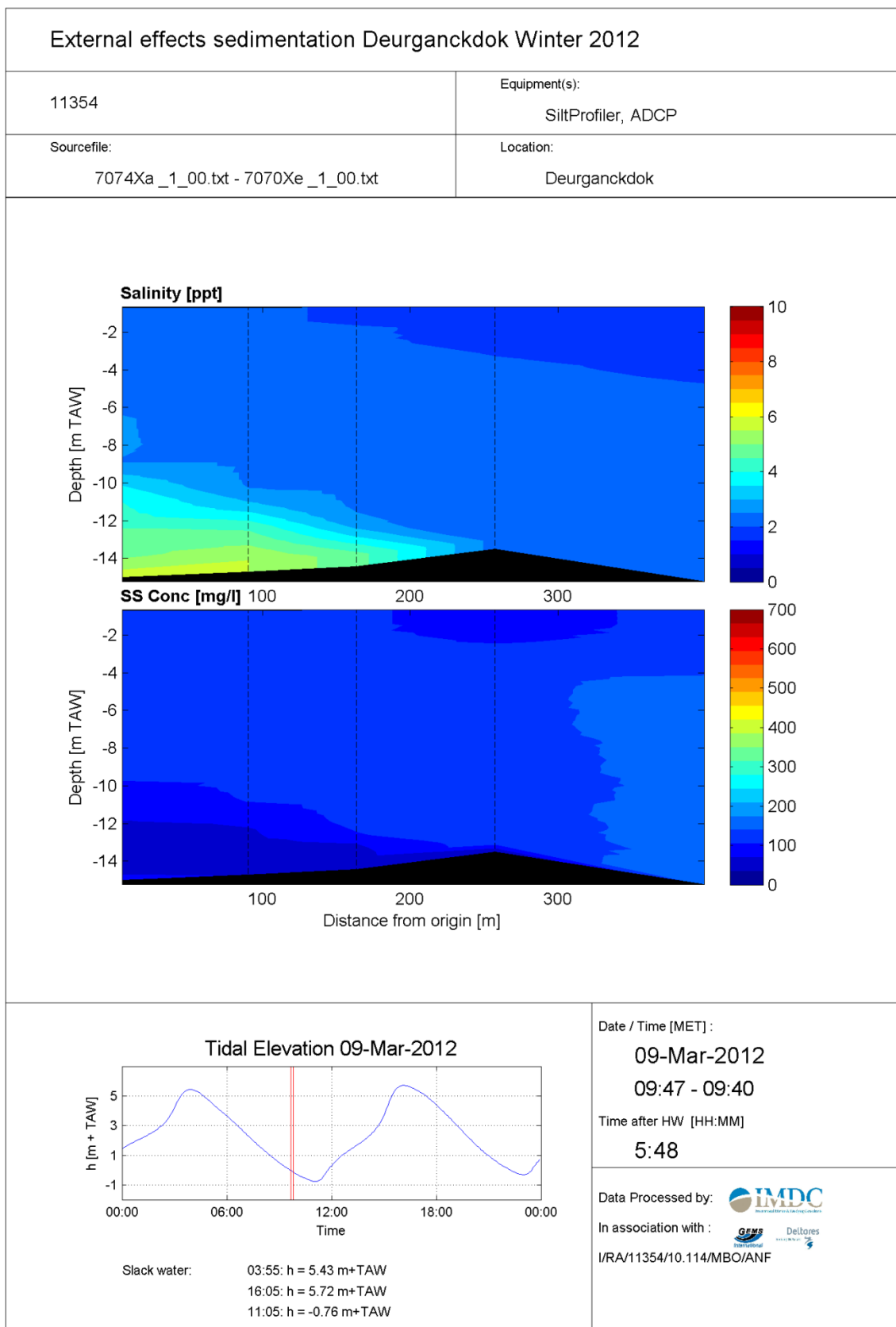


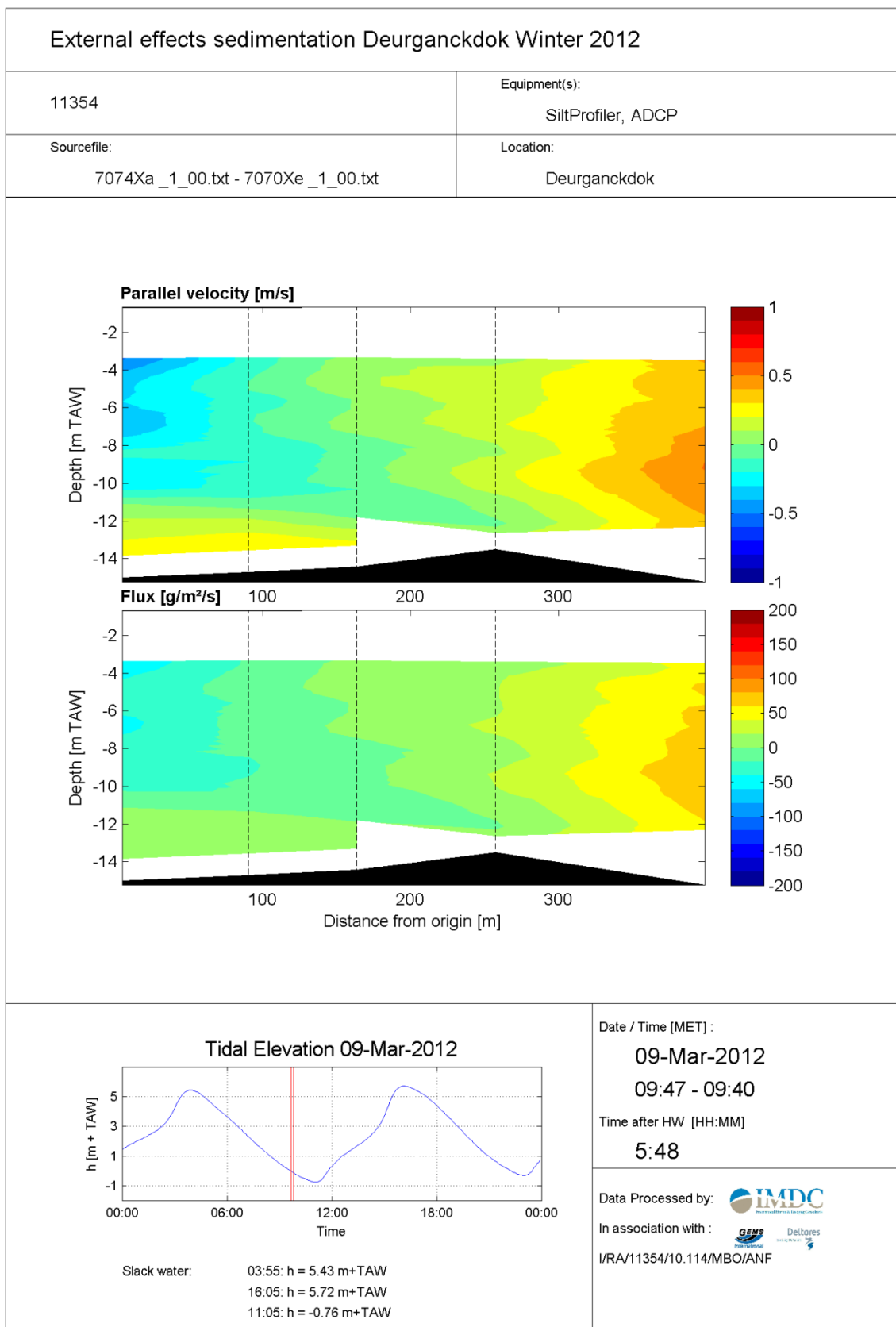


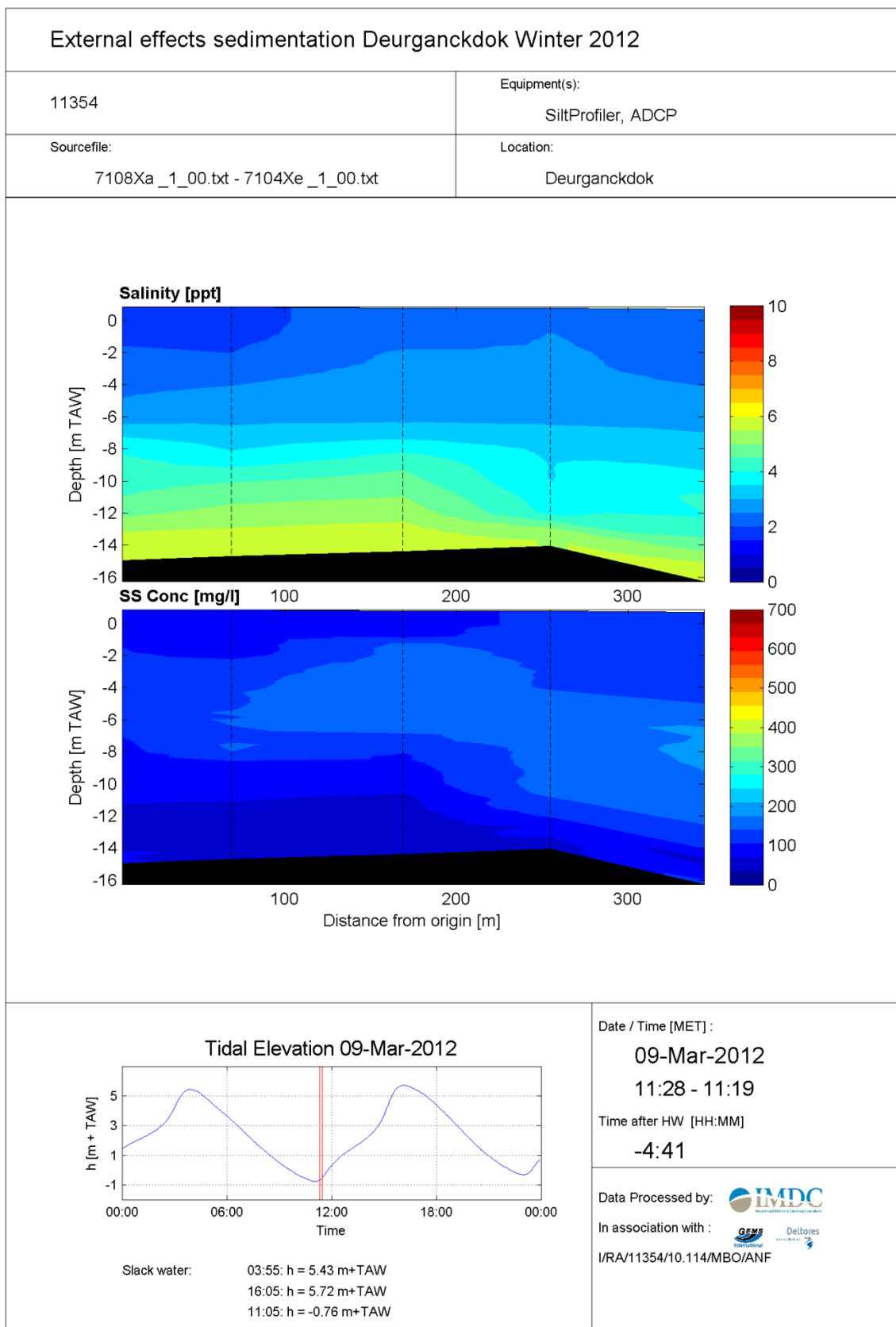


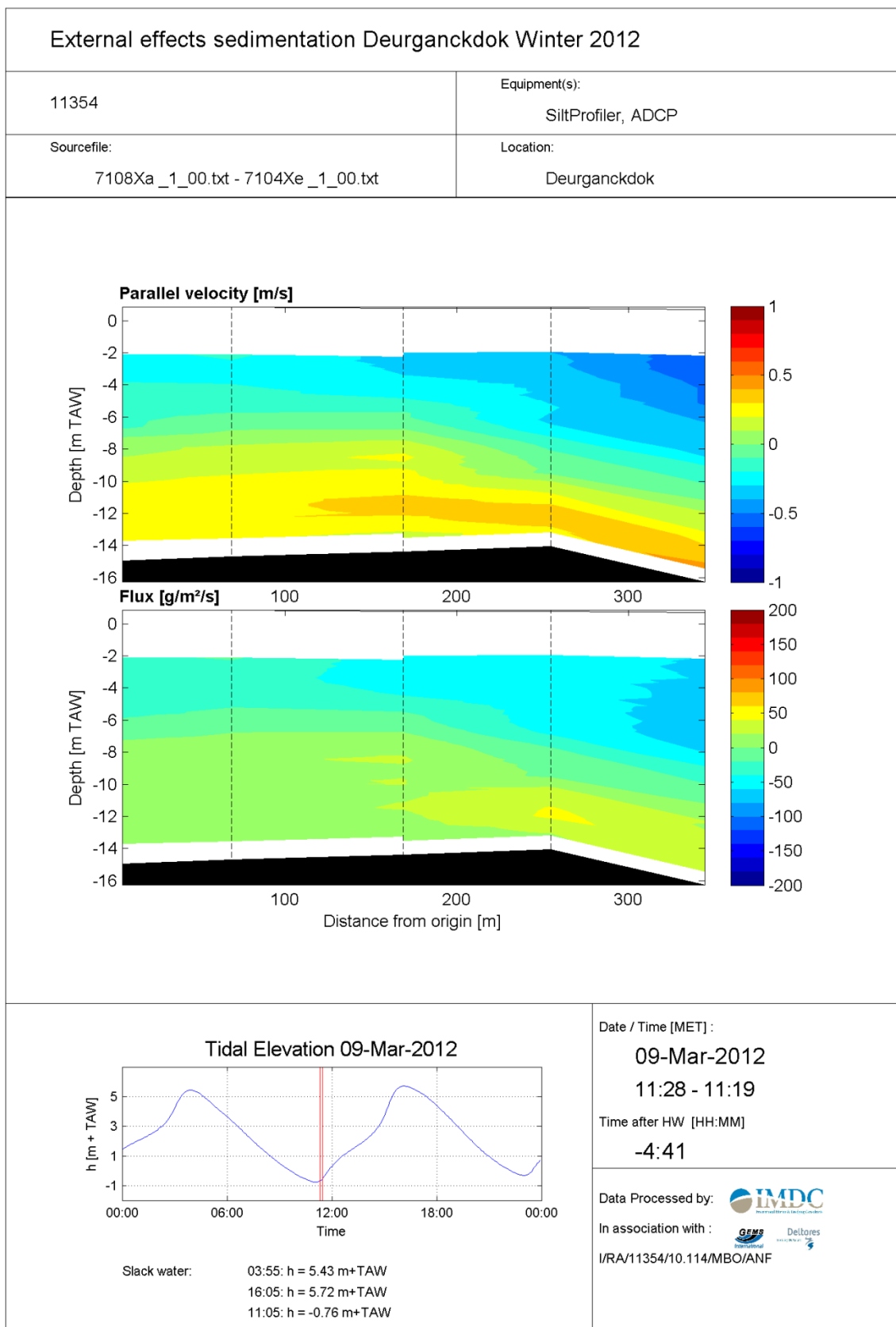


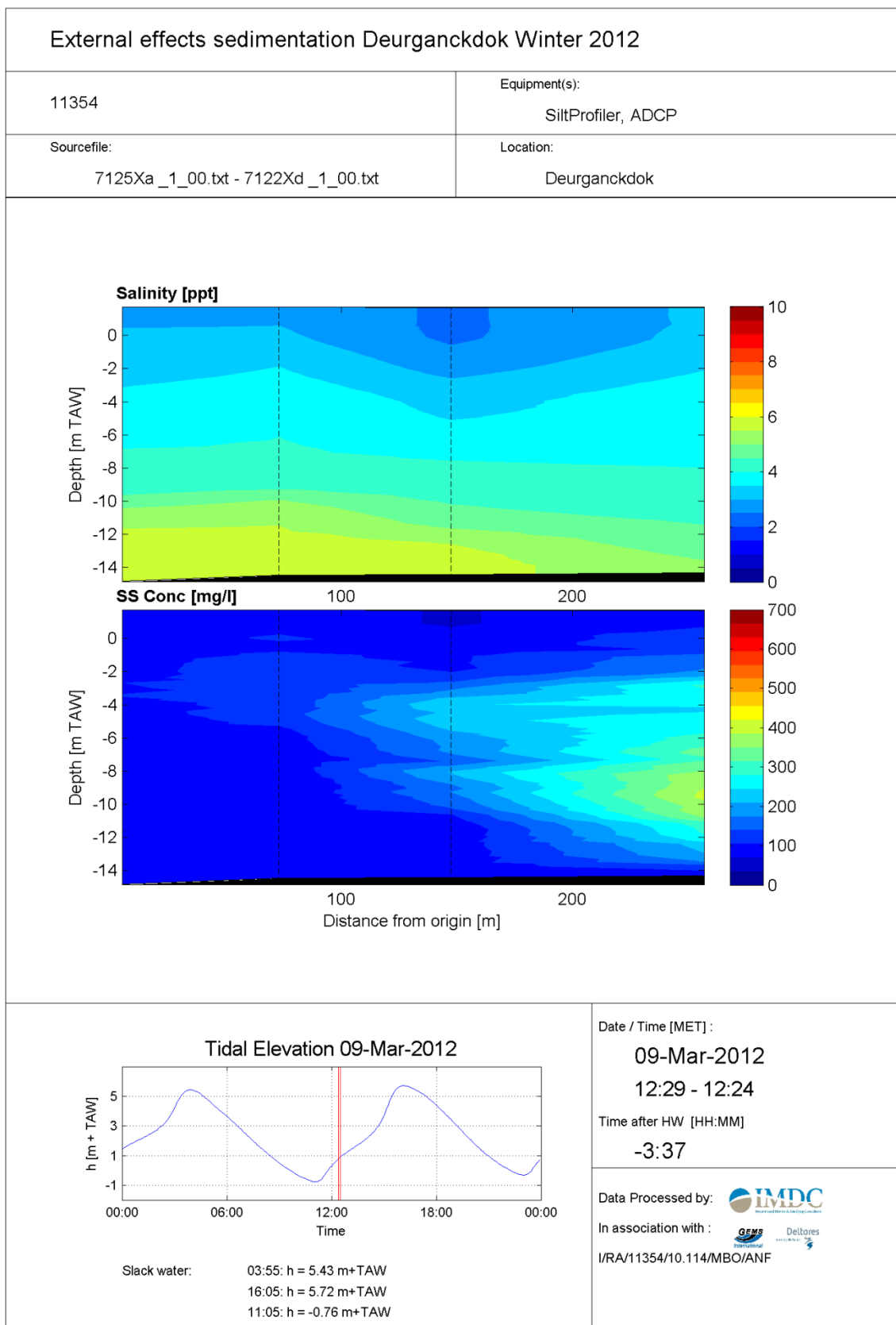


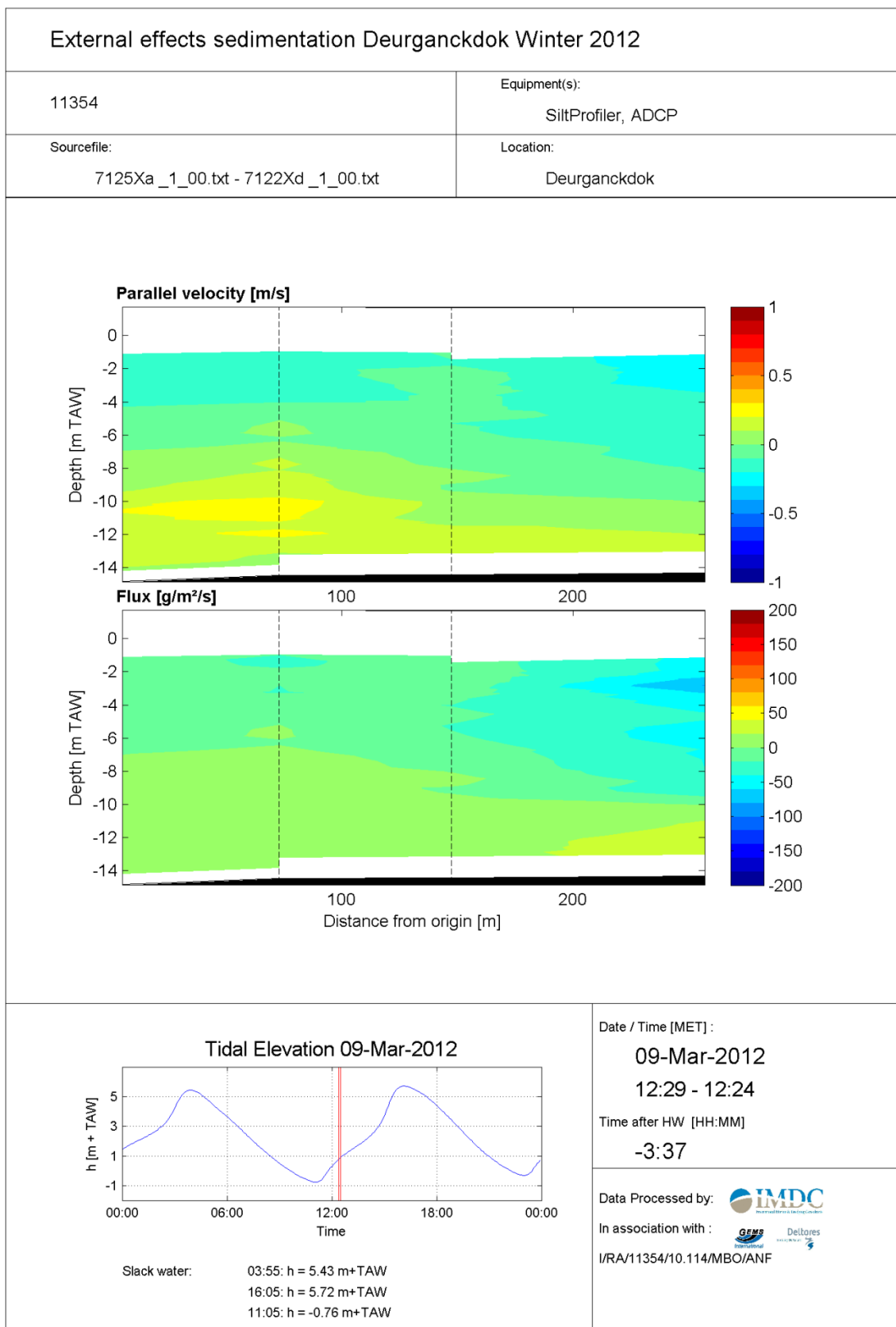


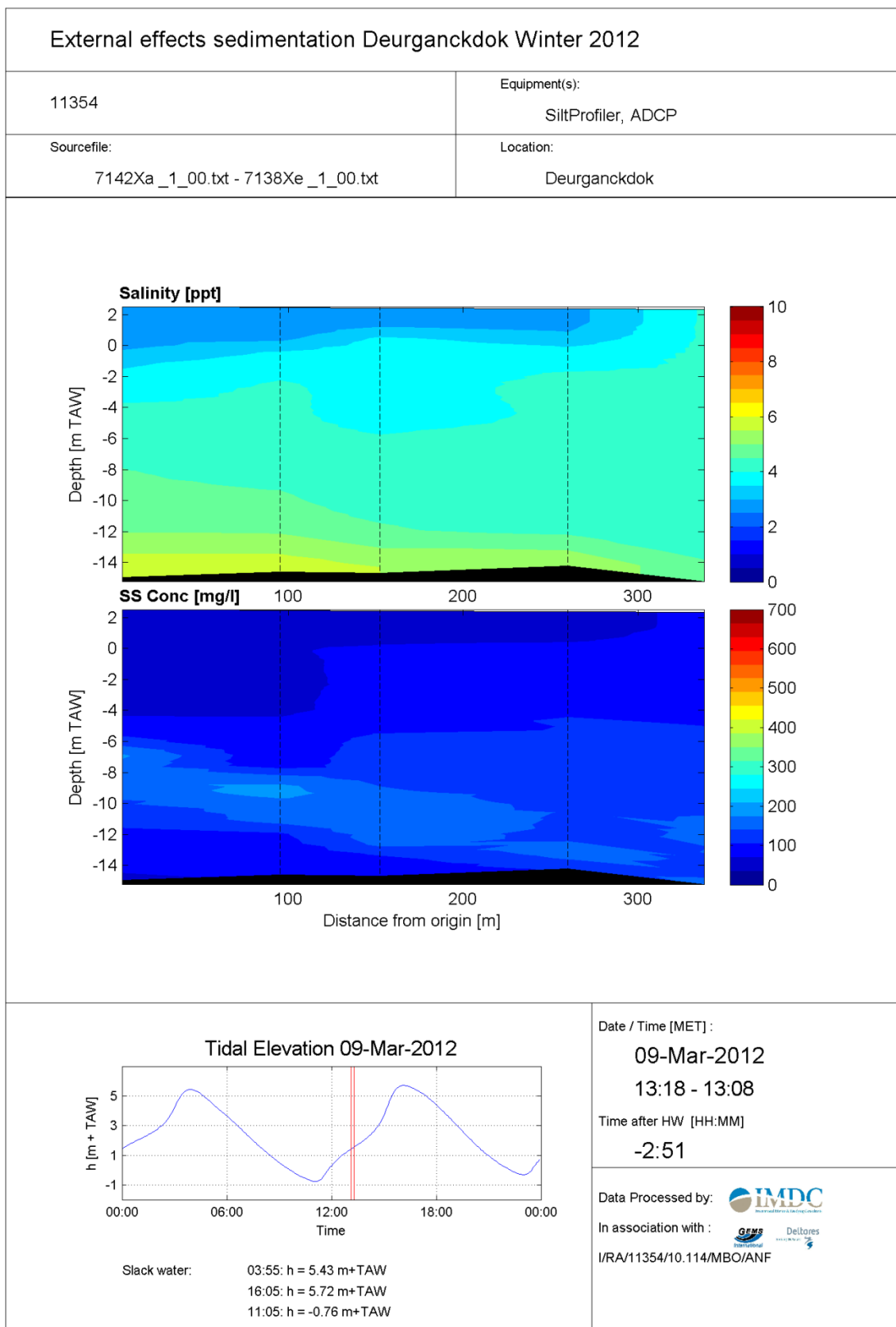


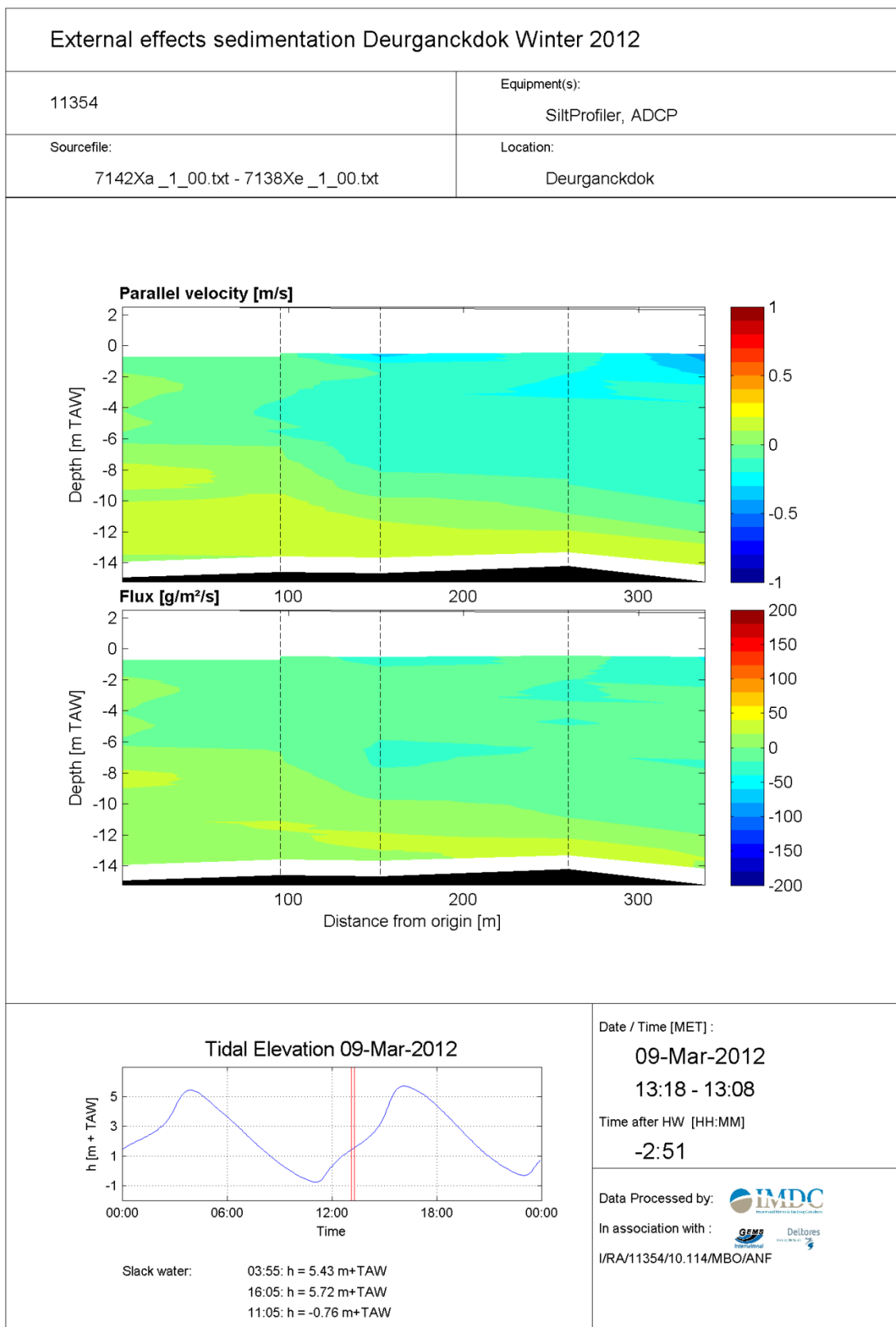


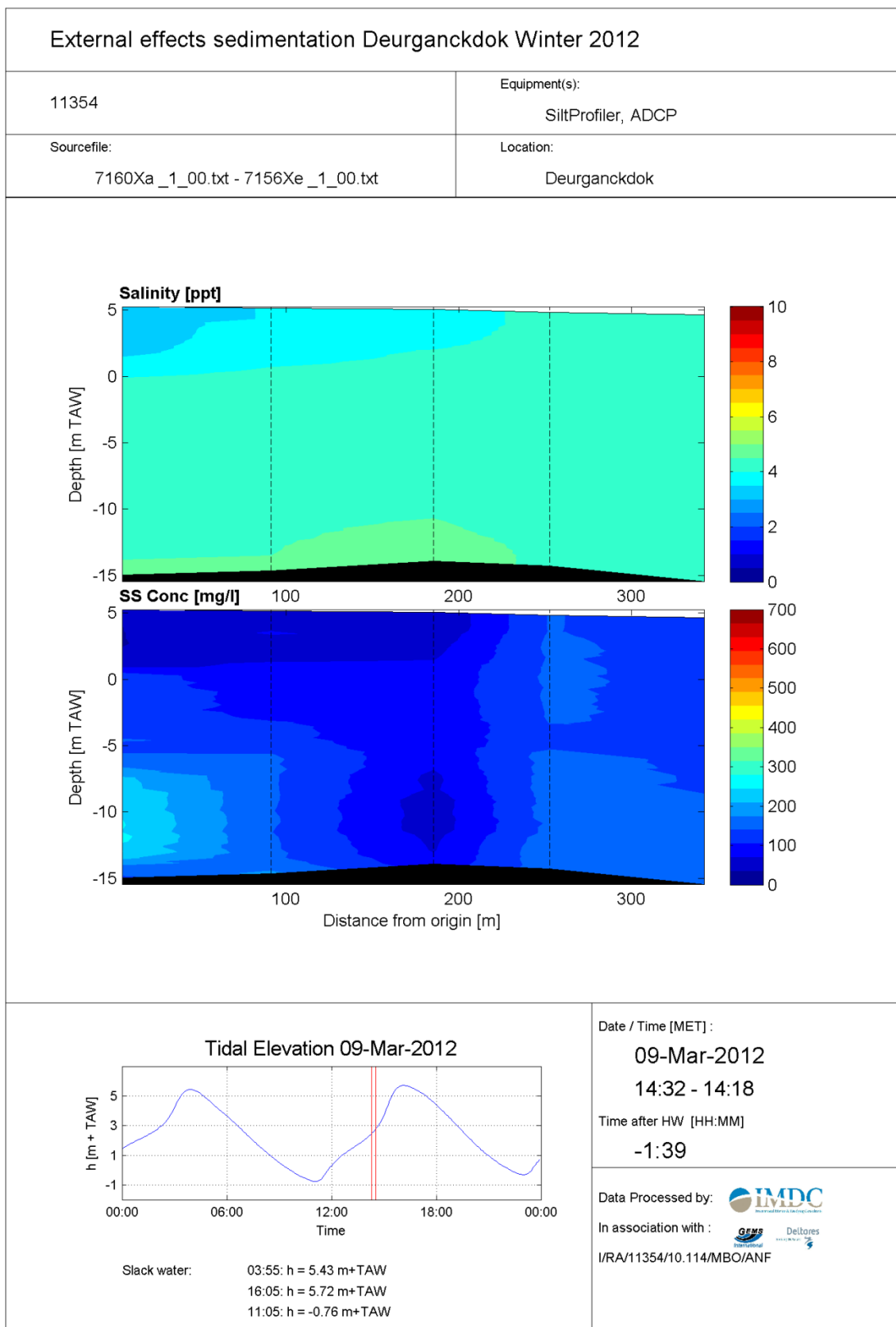


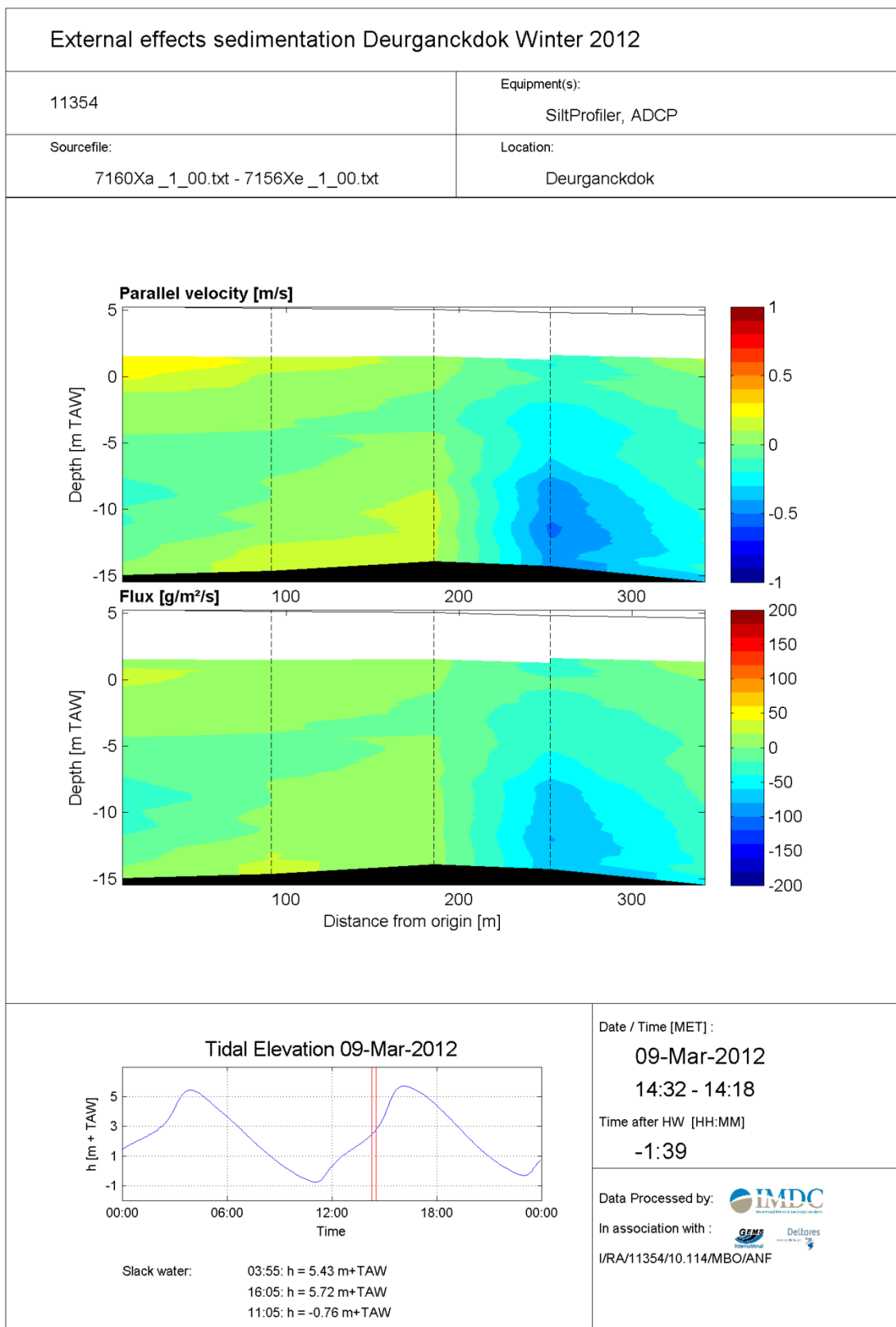


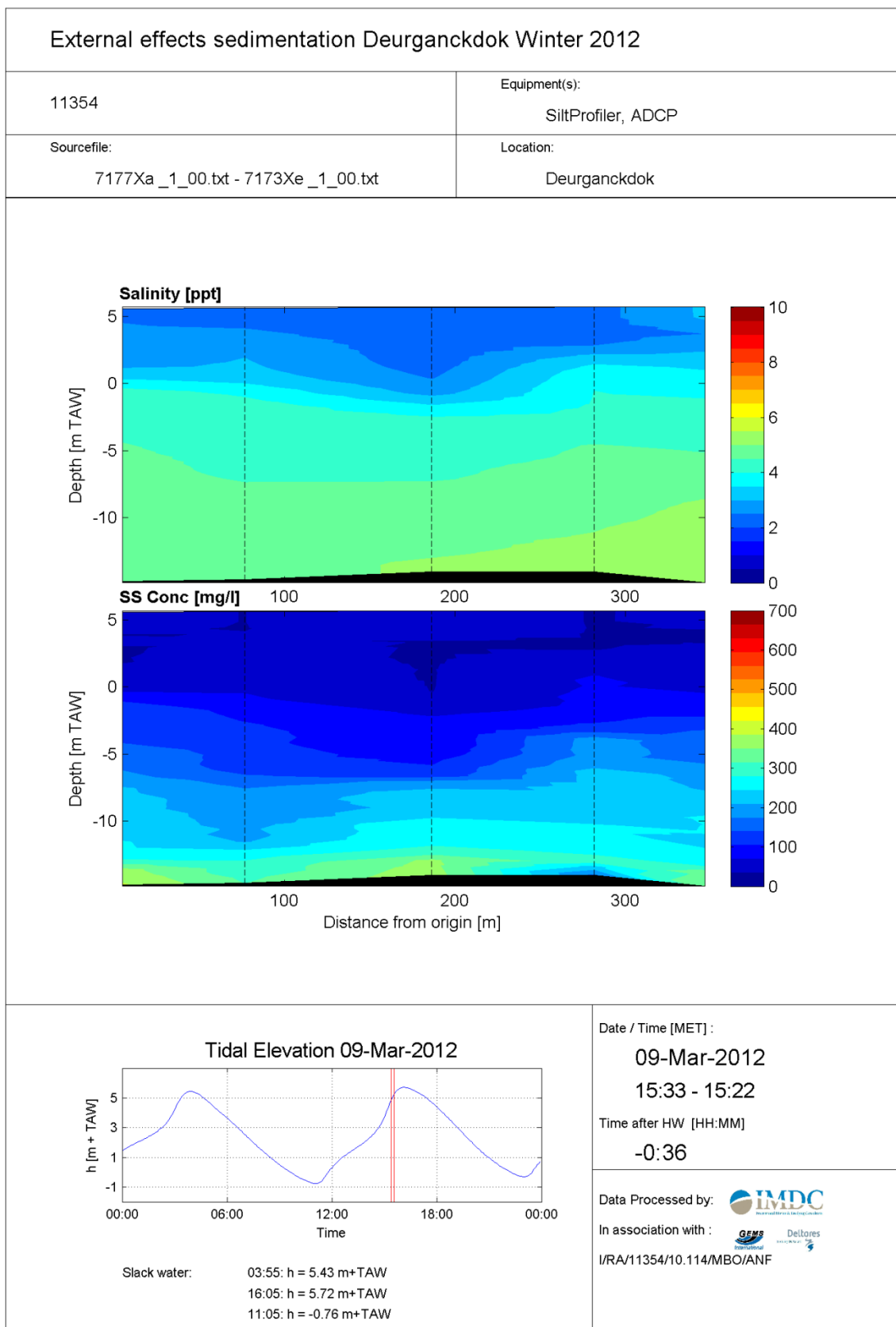


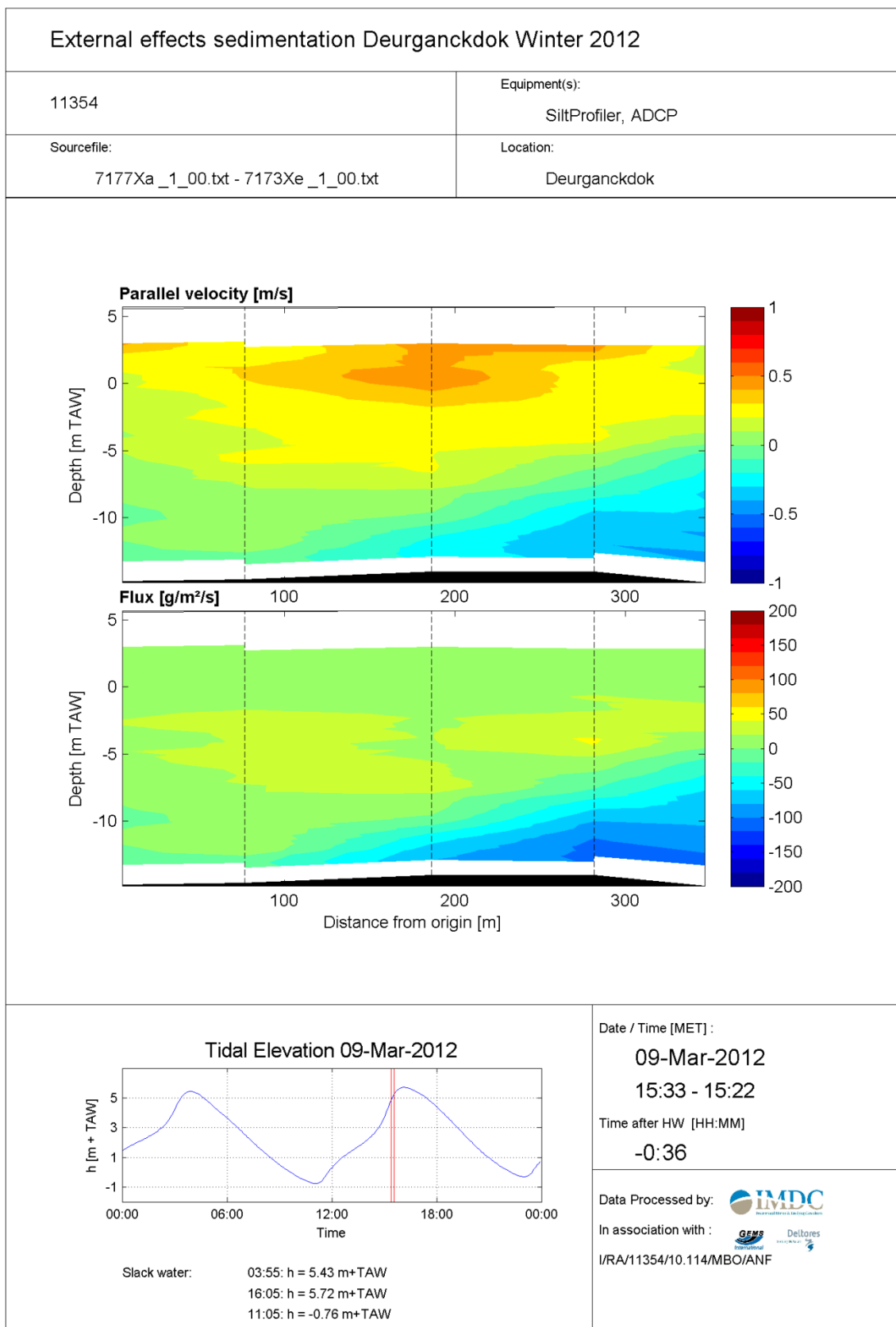


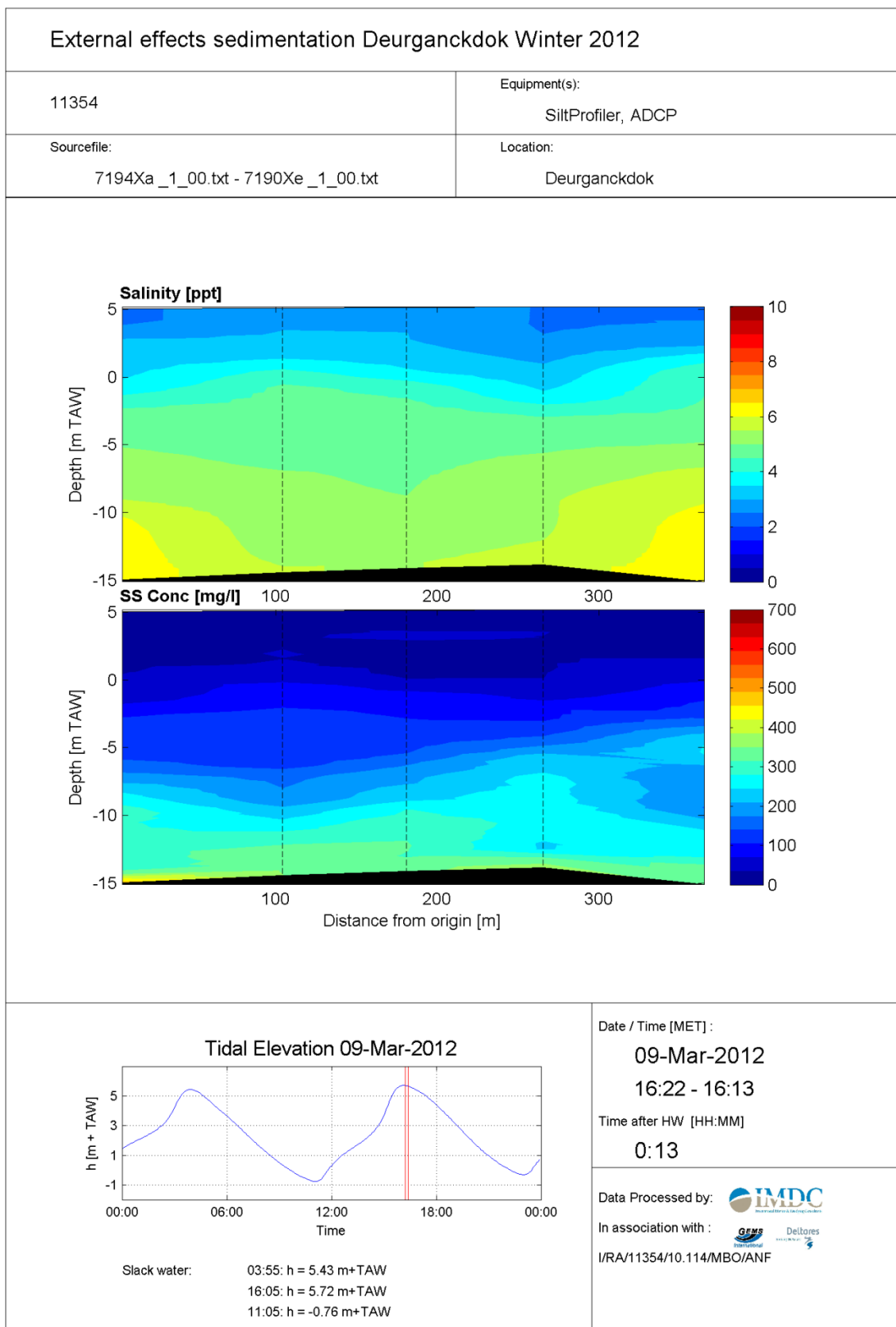


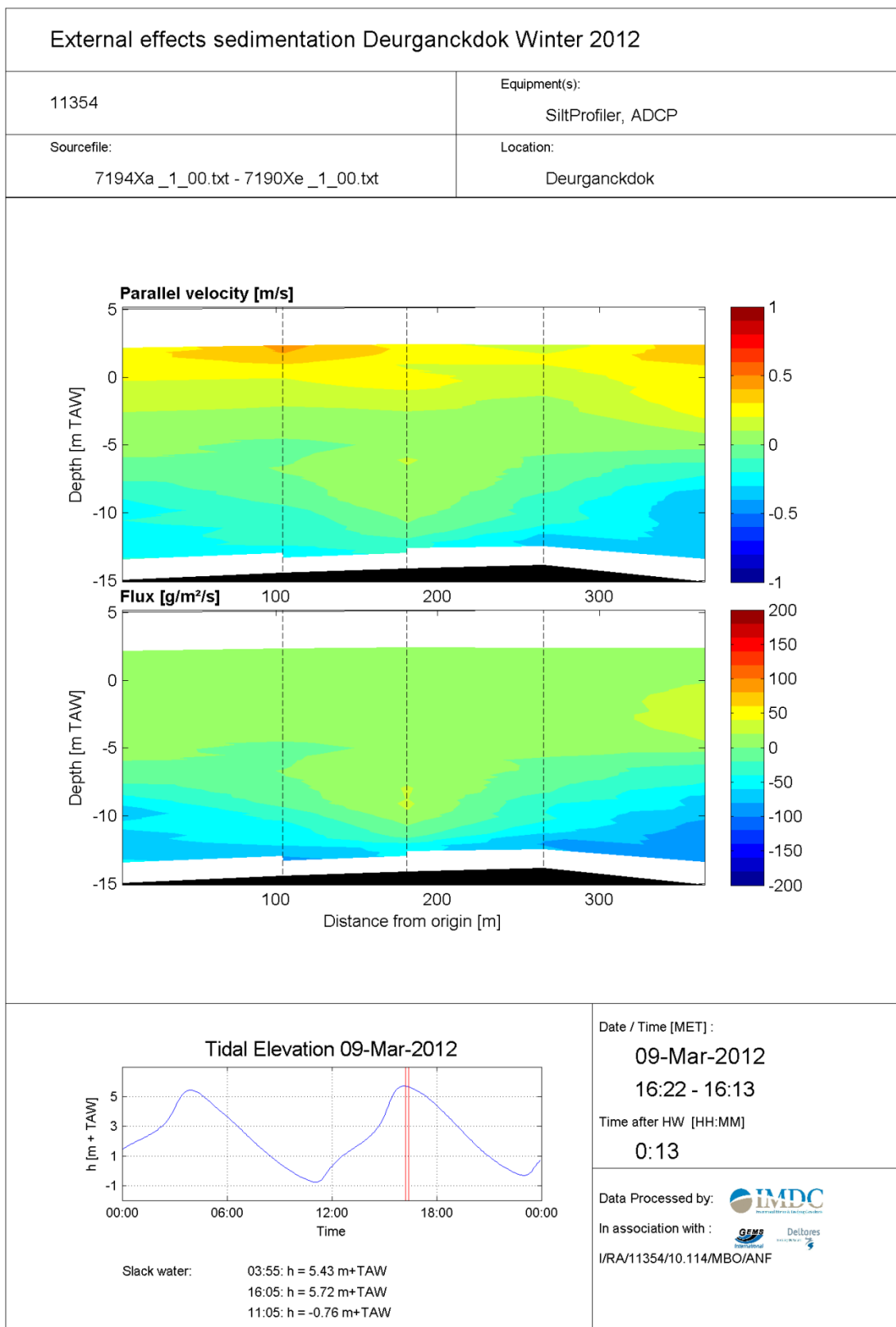


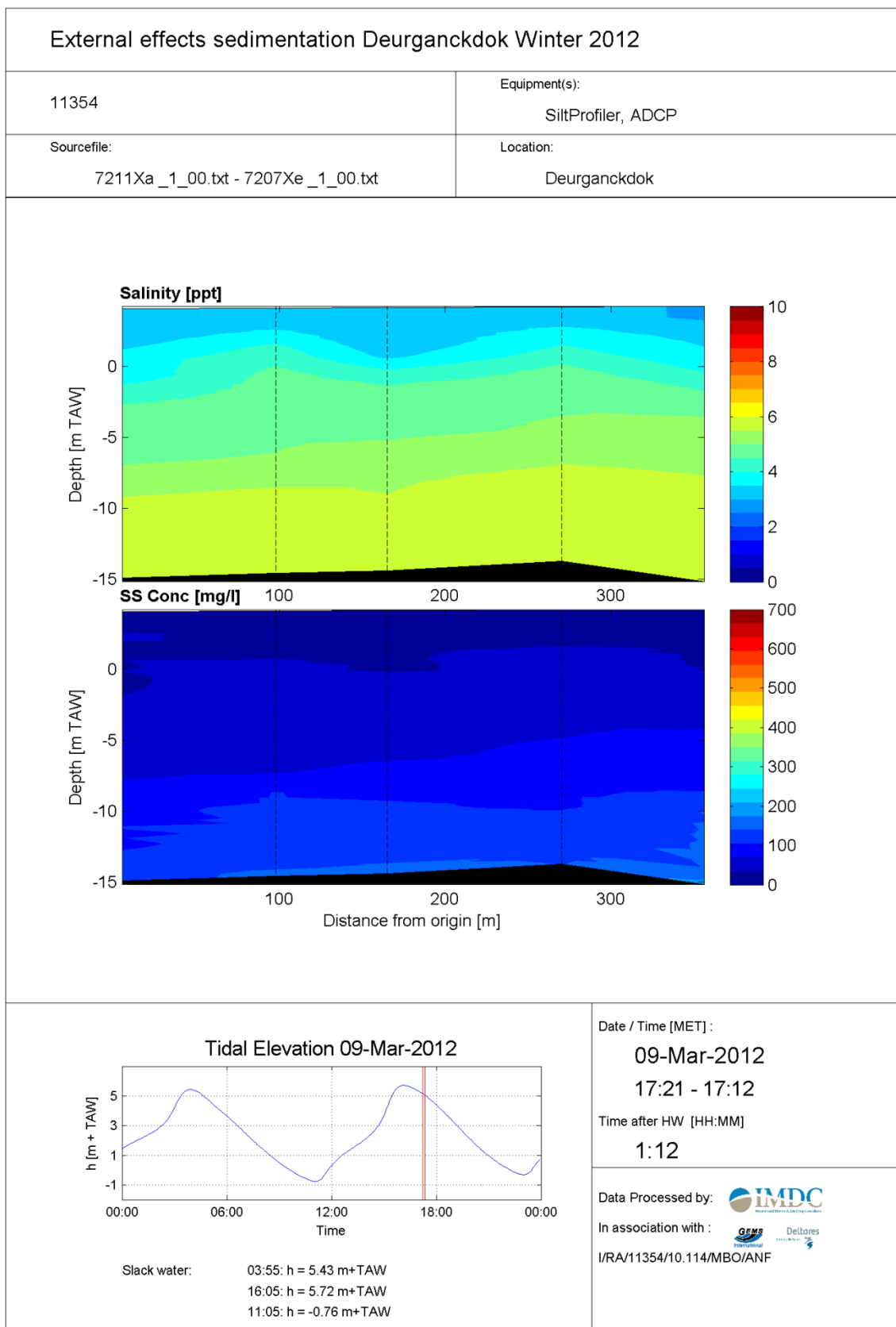


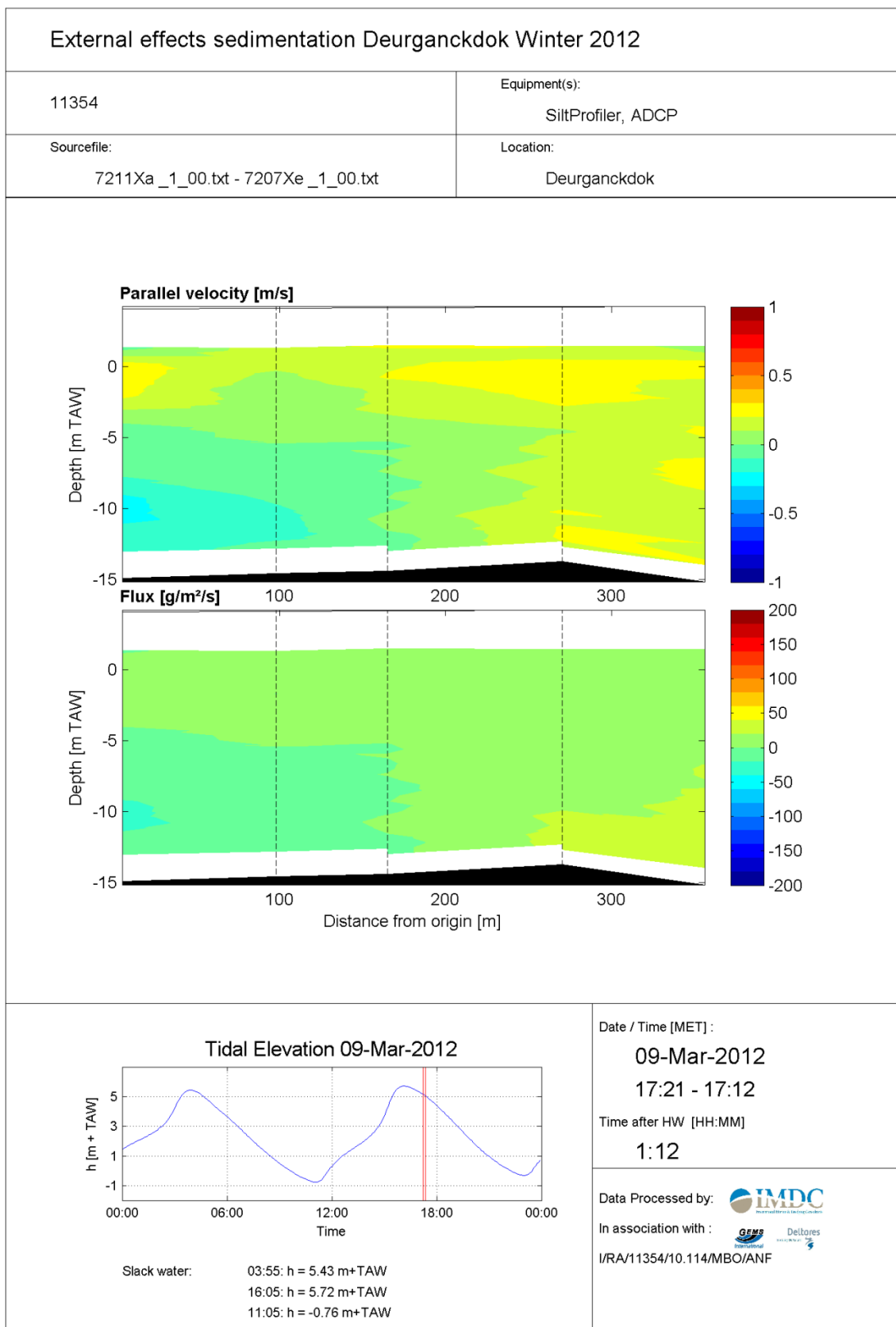


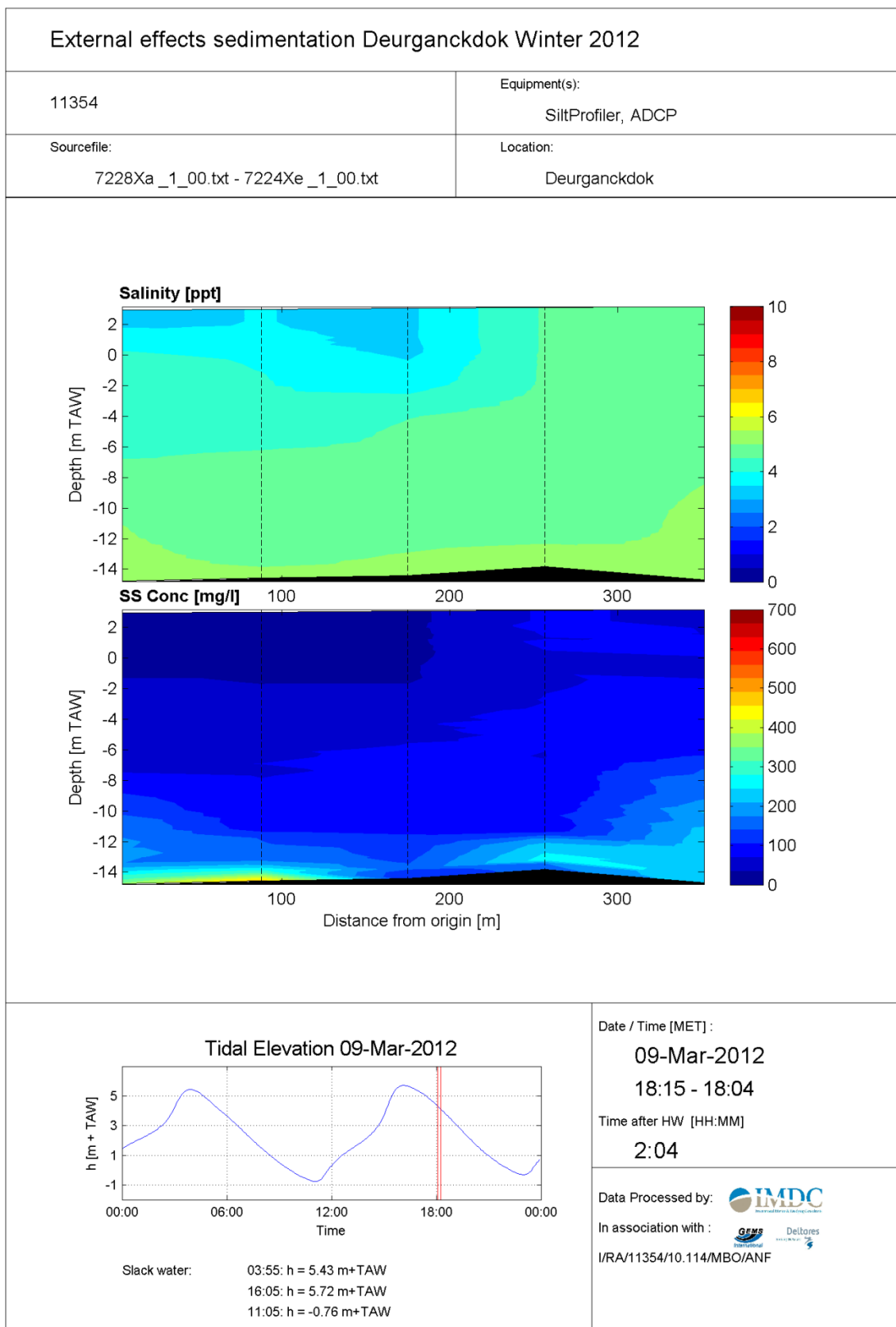


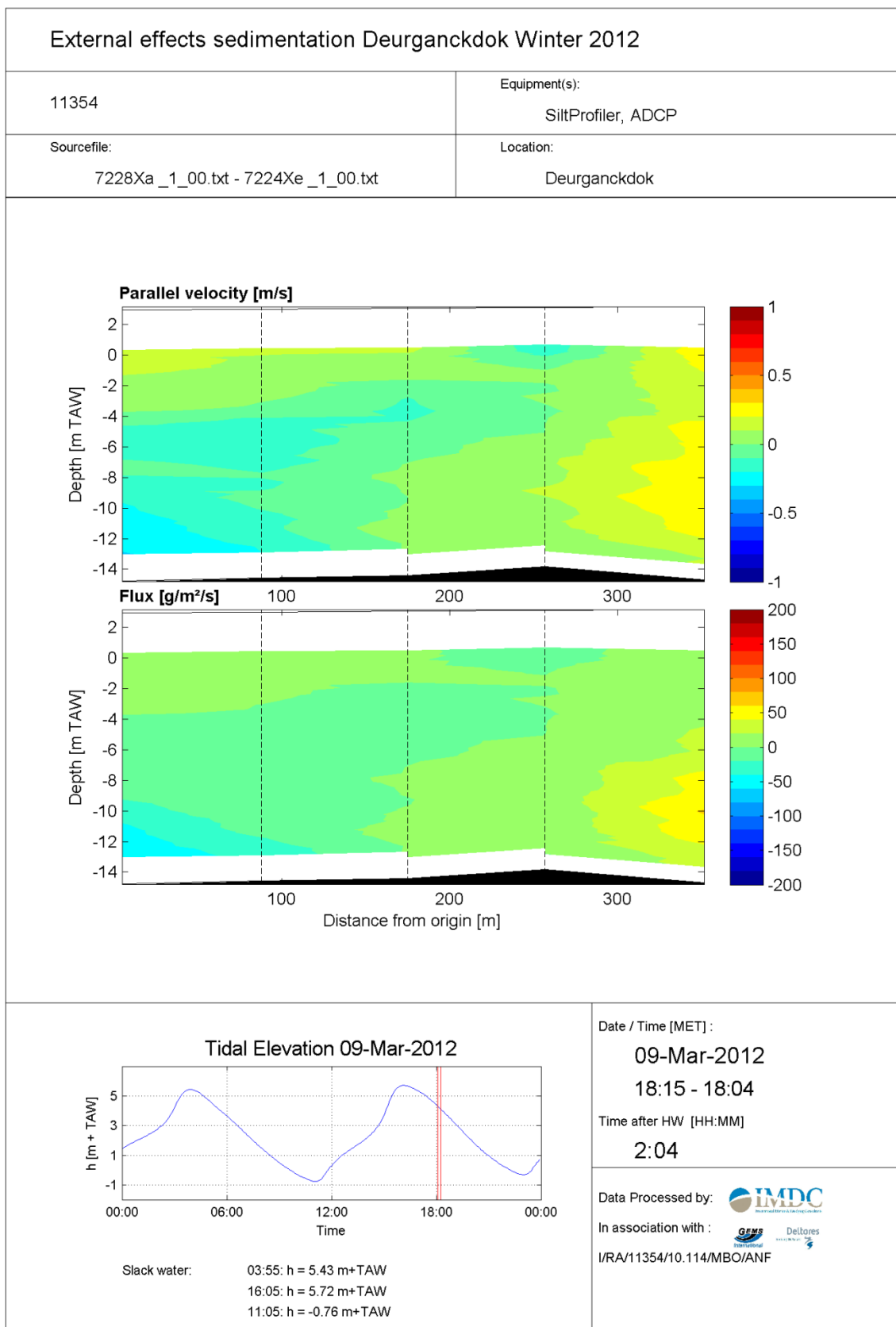


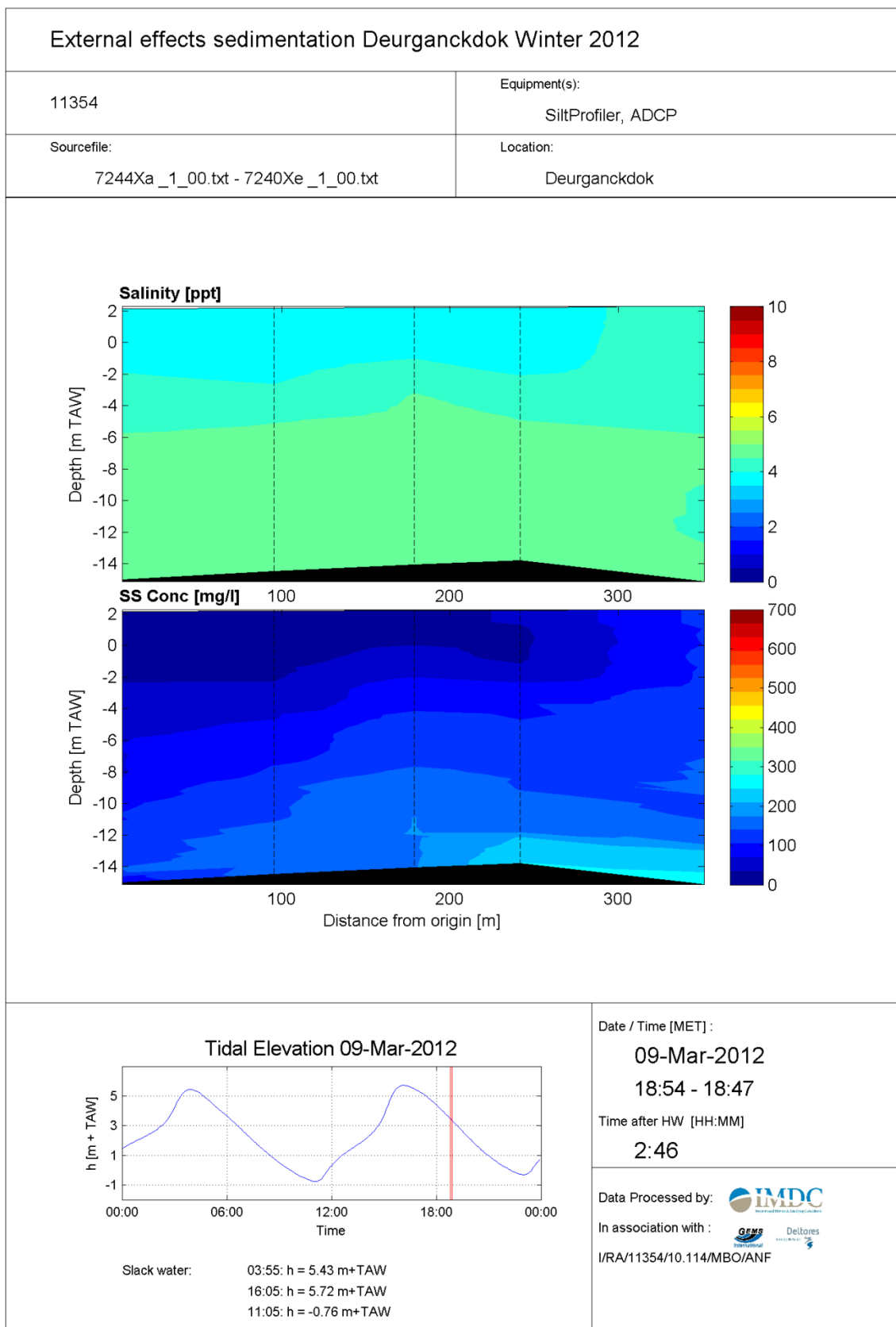


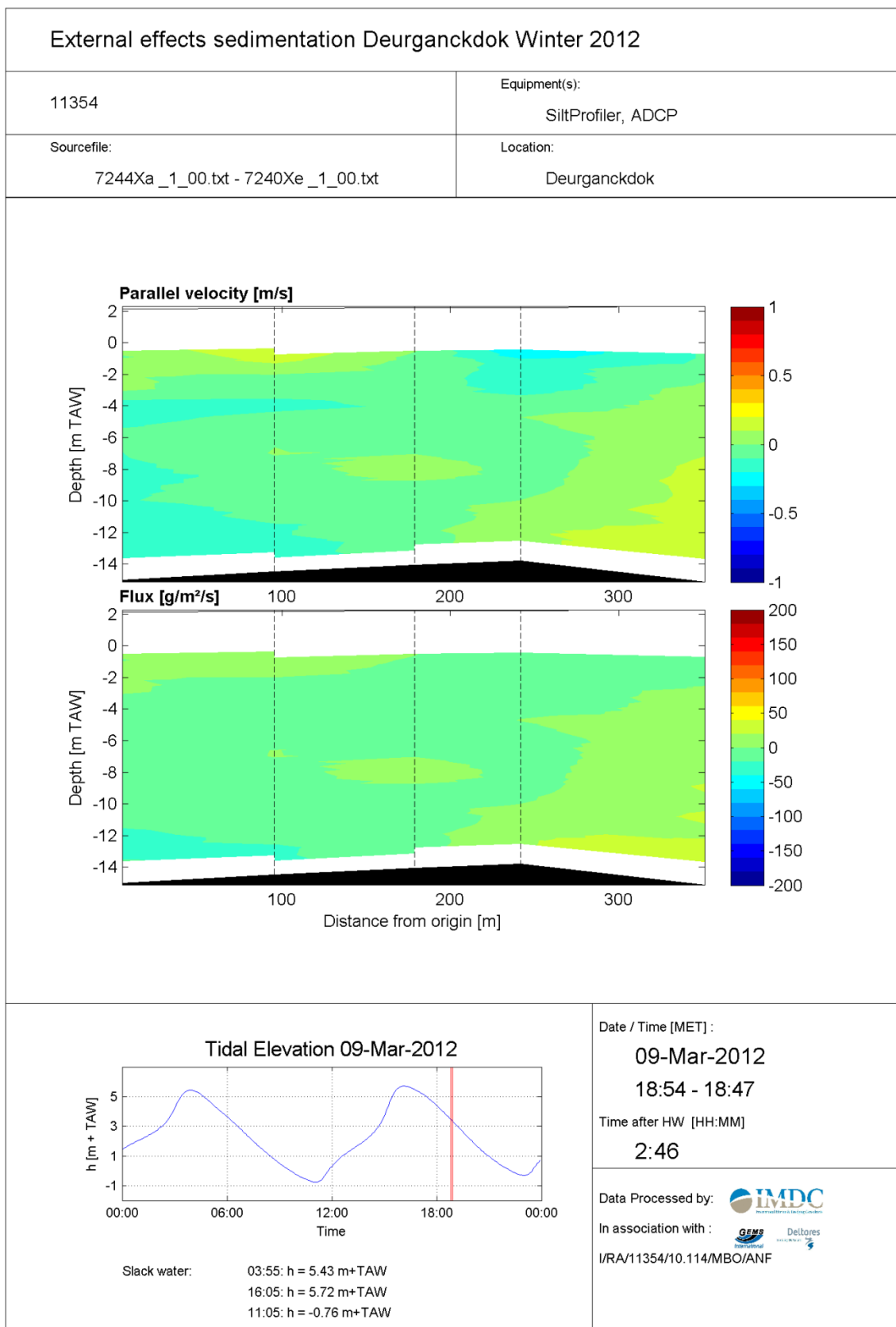




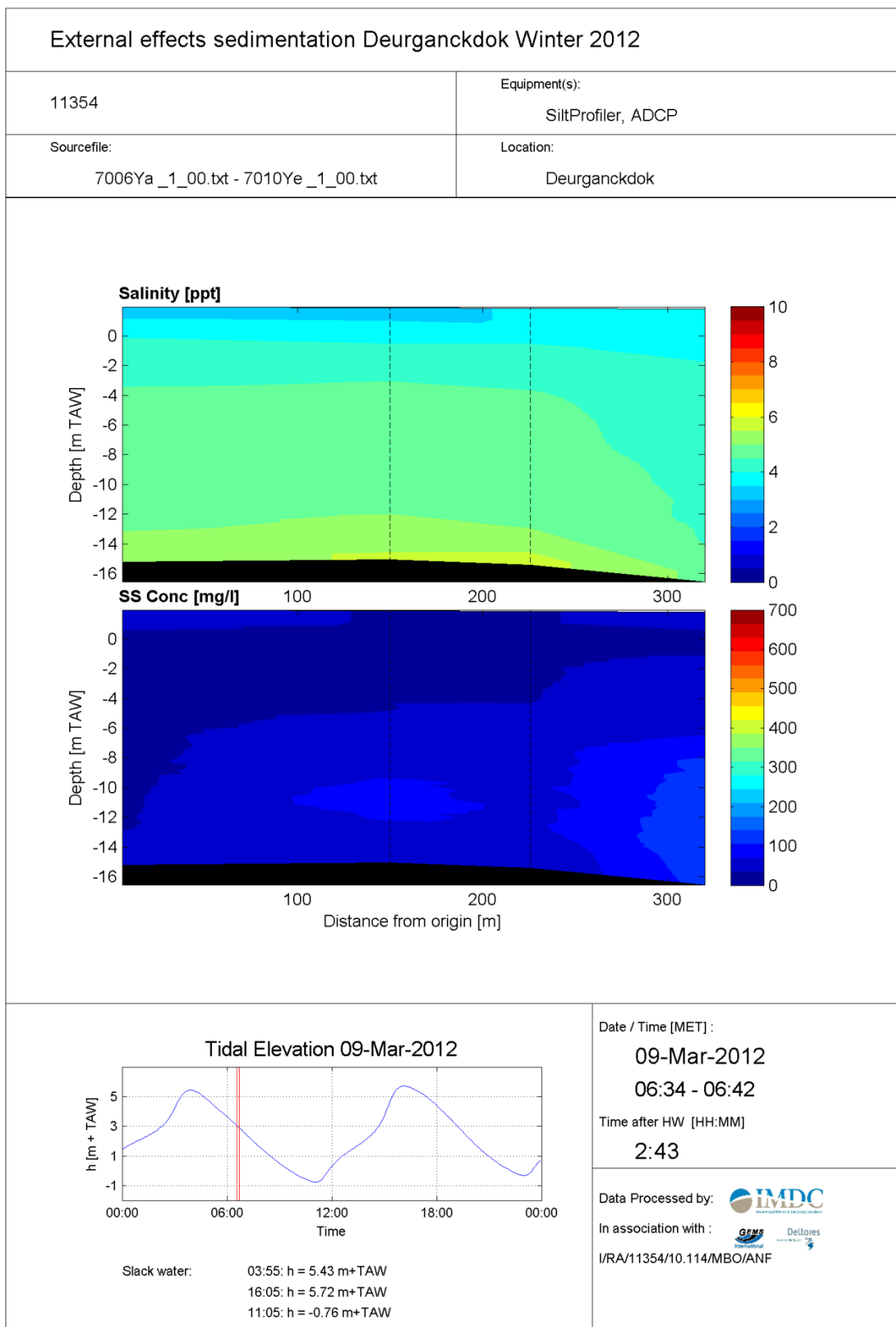


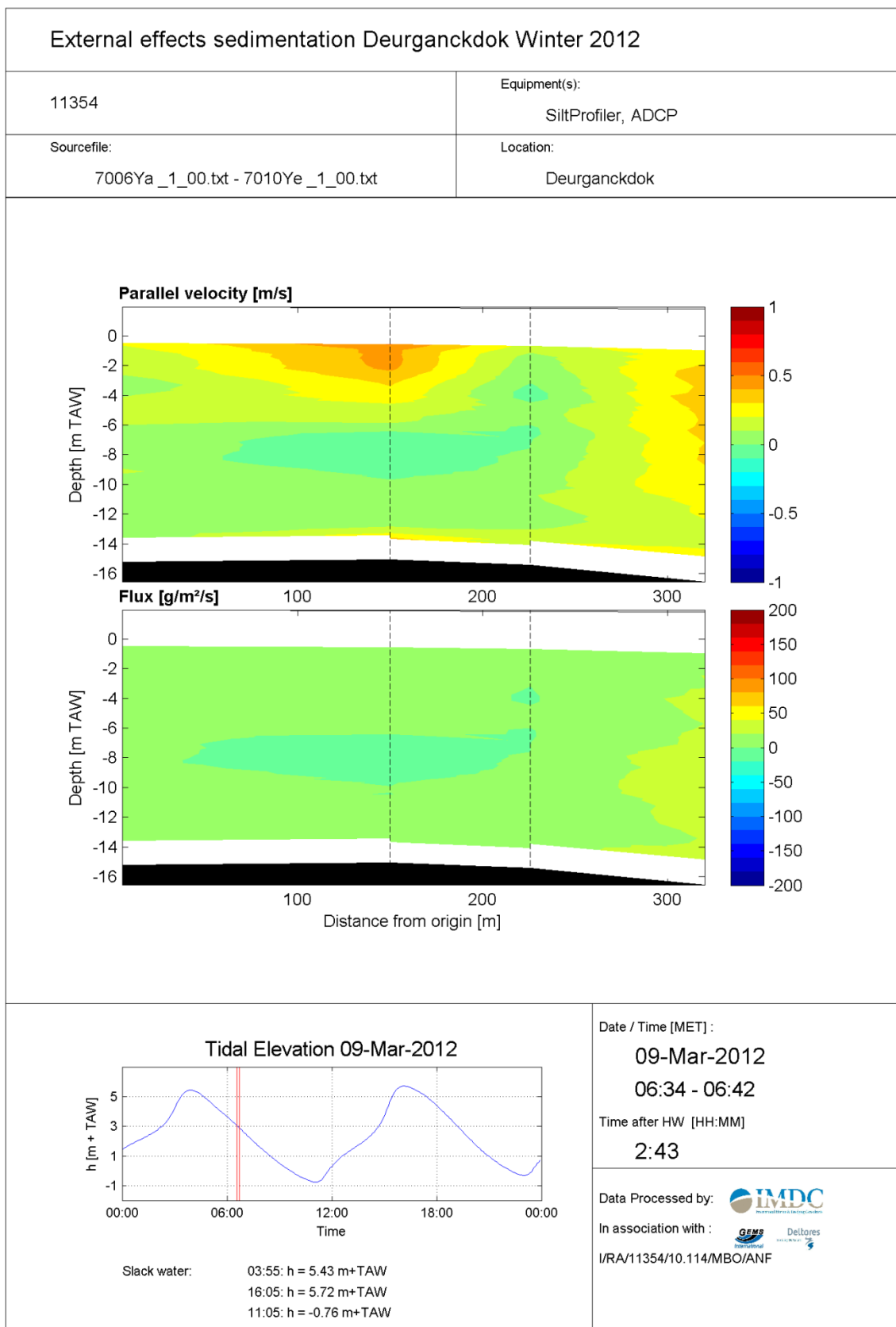


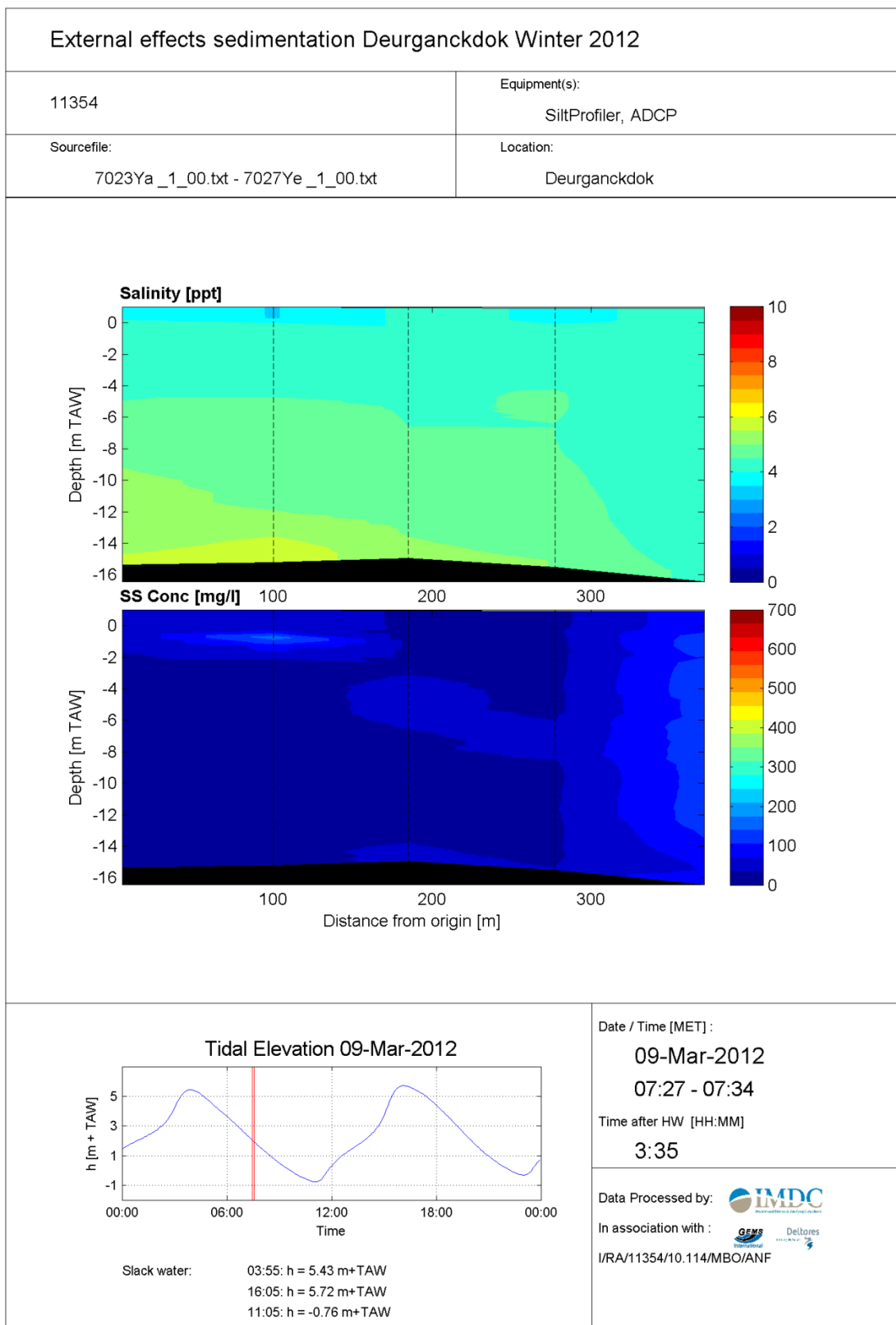


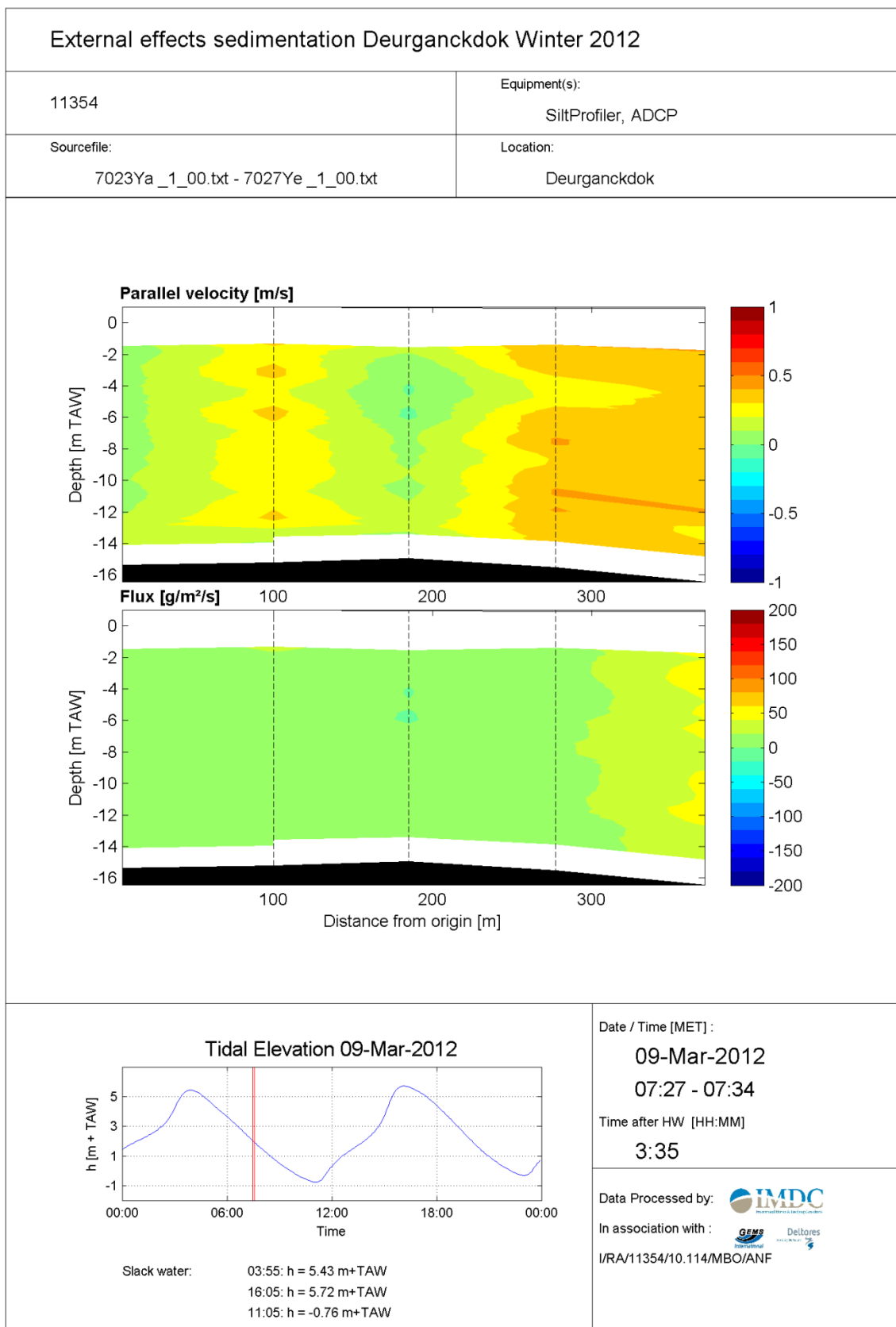


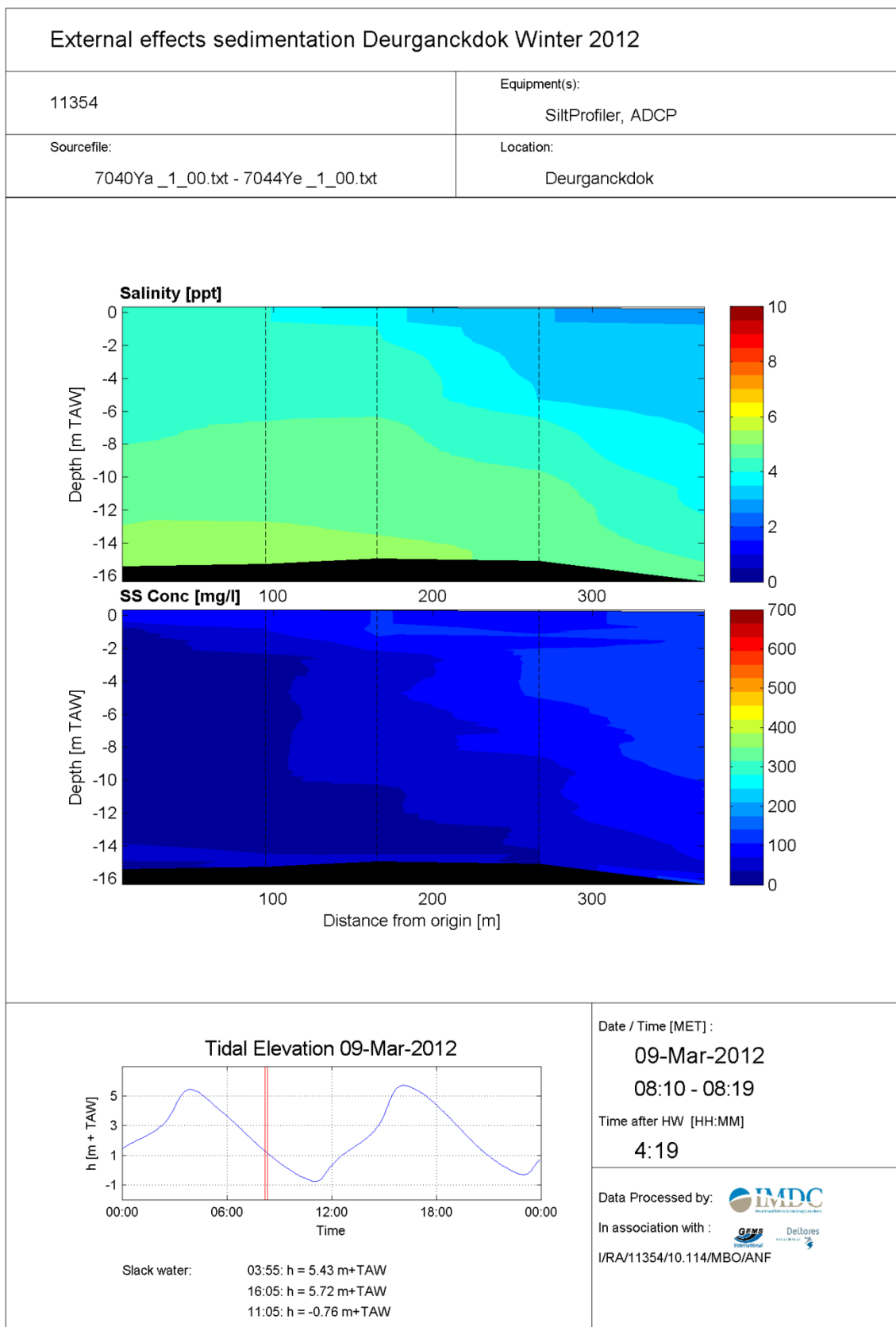
E.2 Cross-section Y

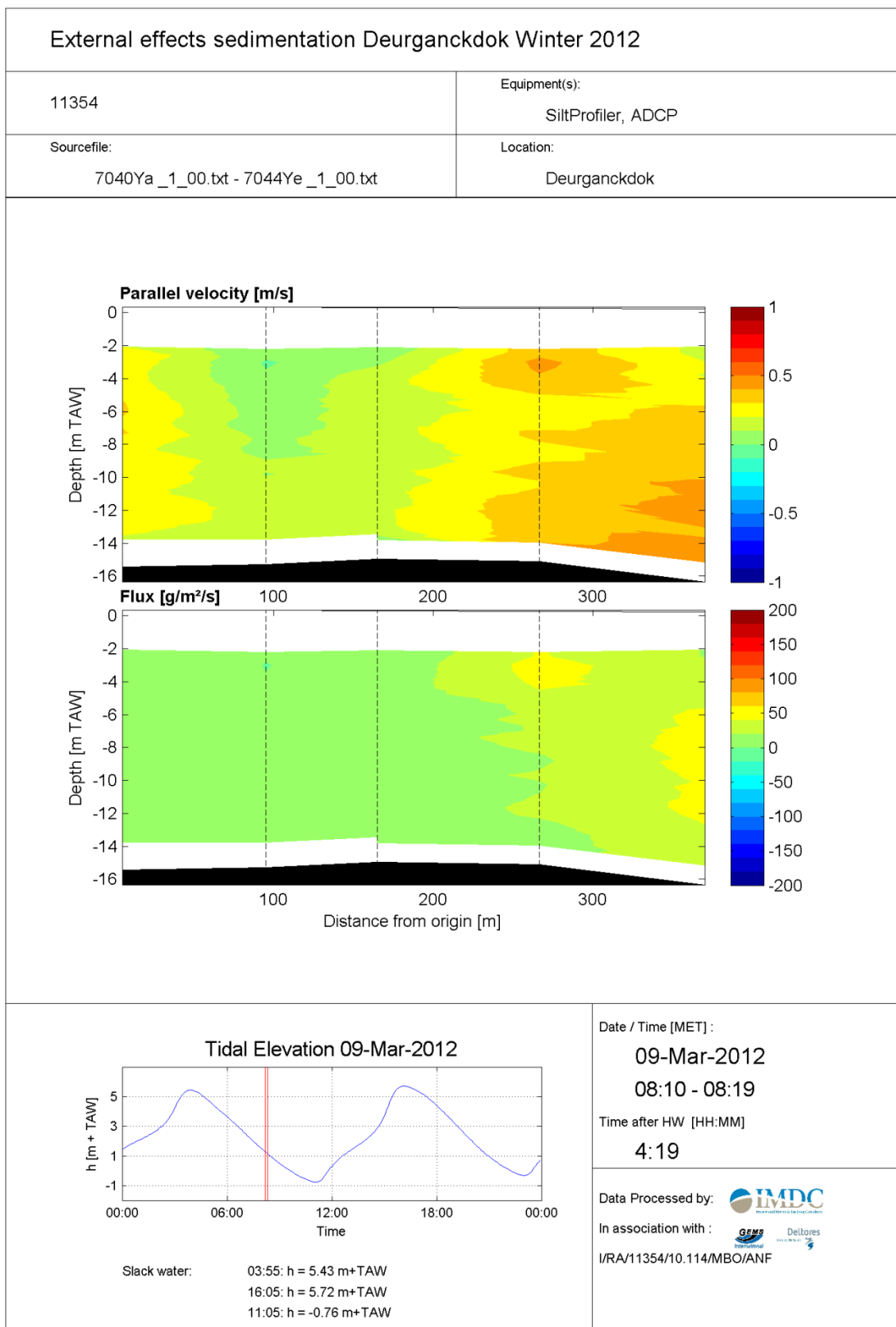


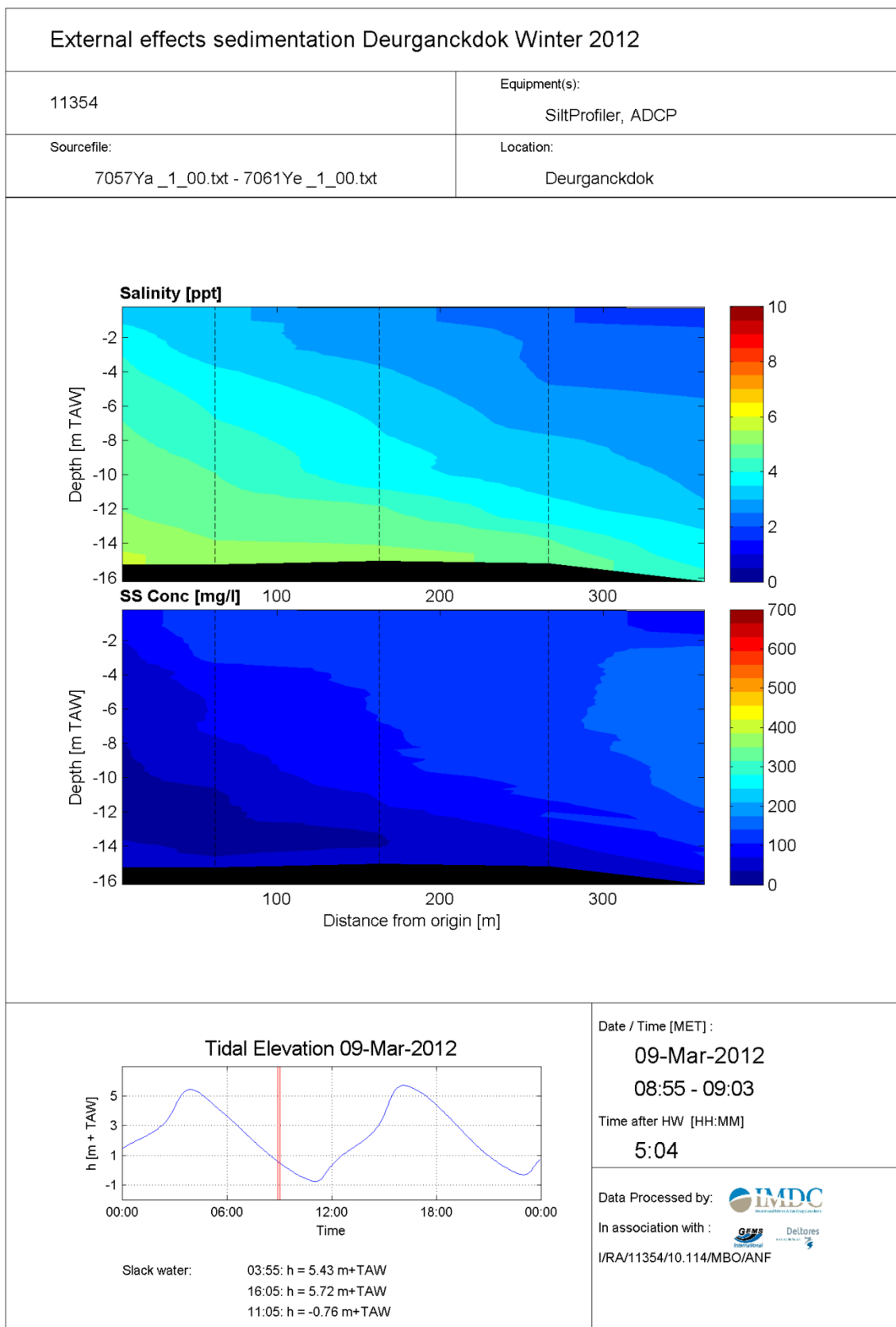


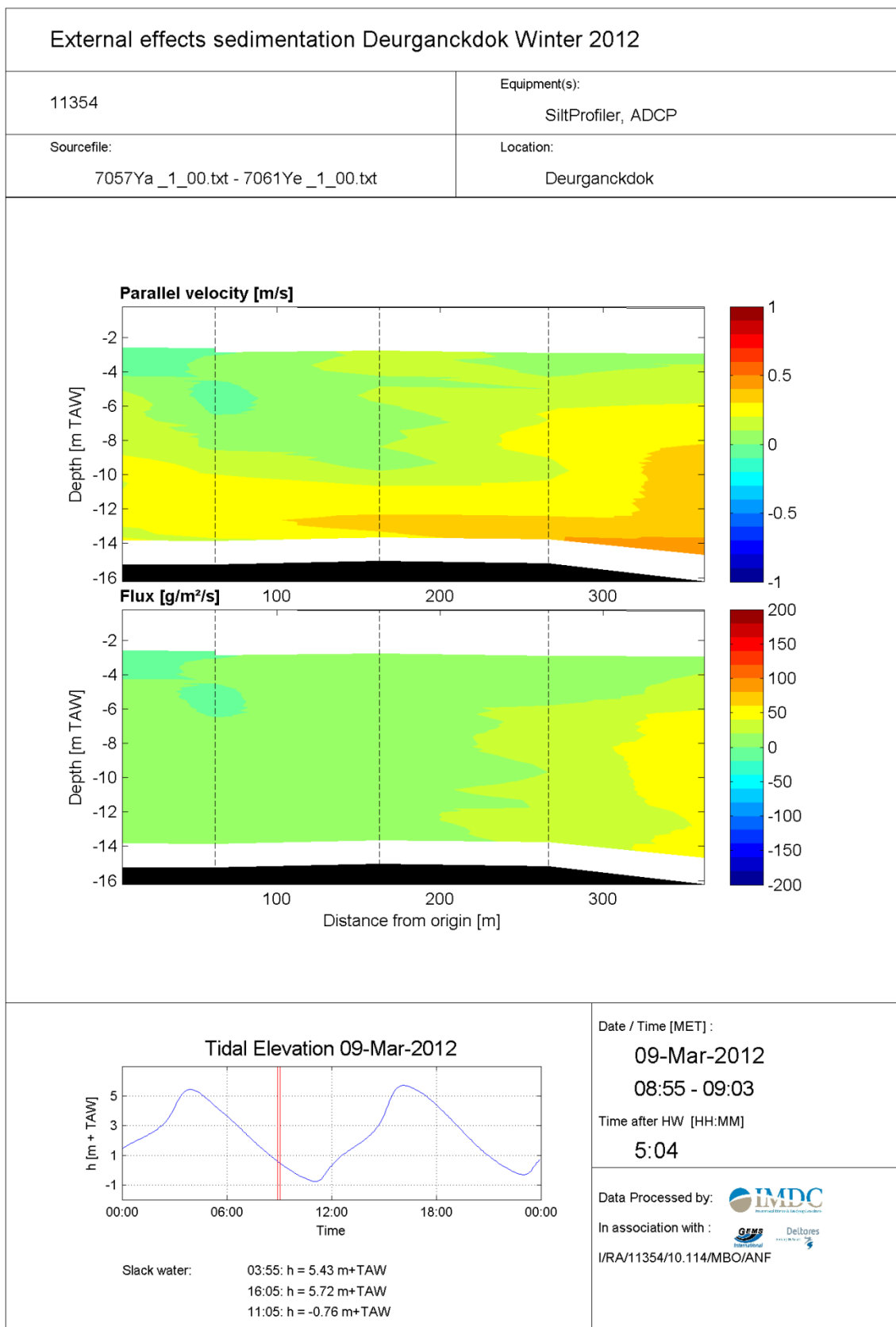


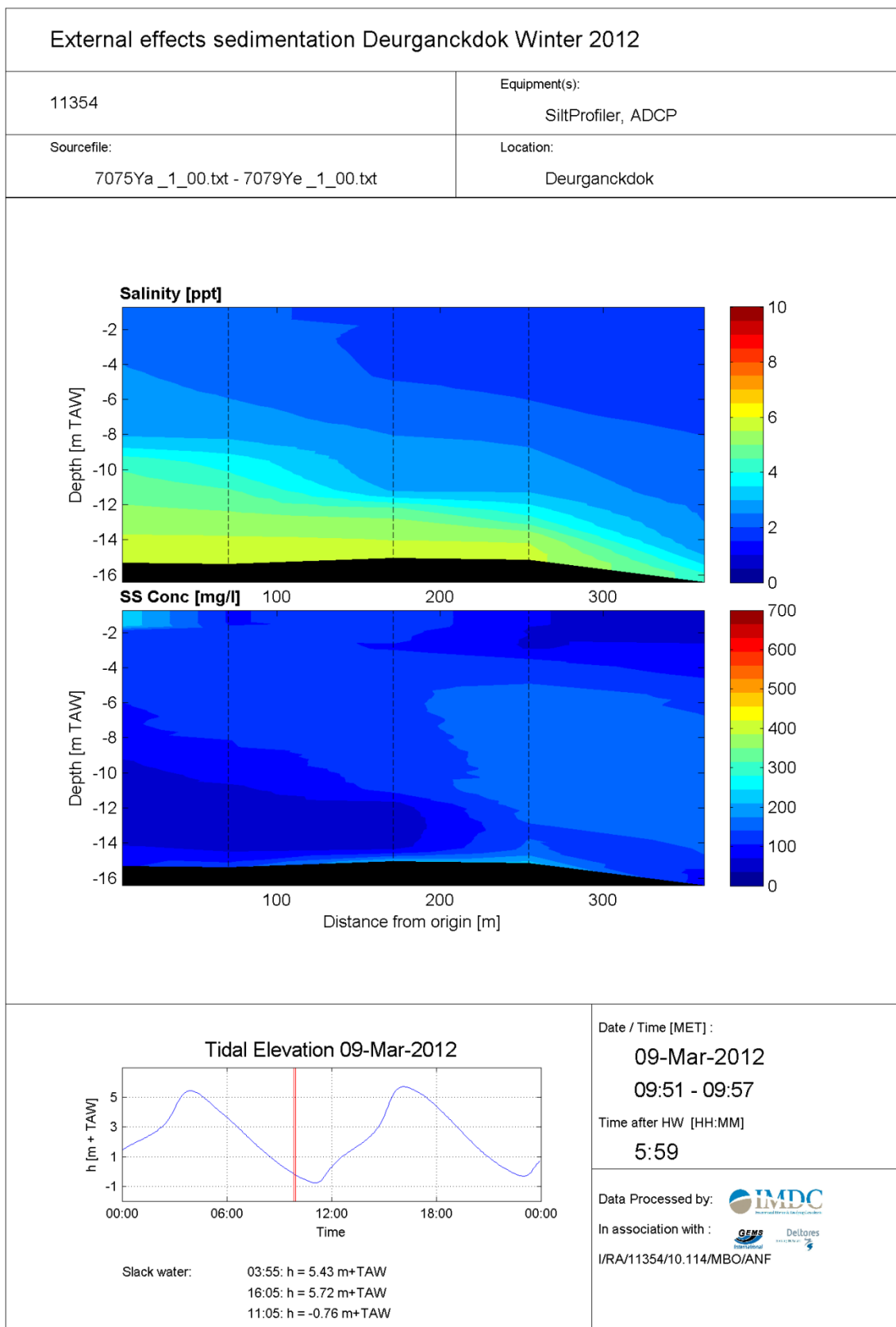


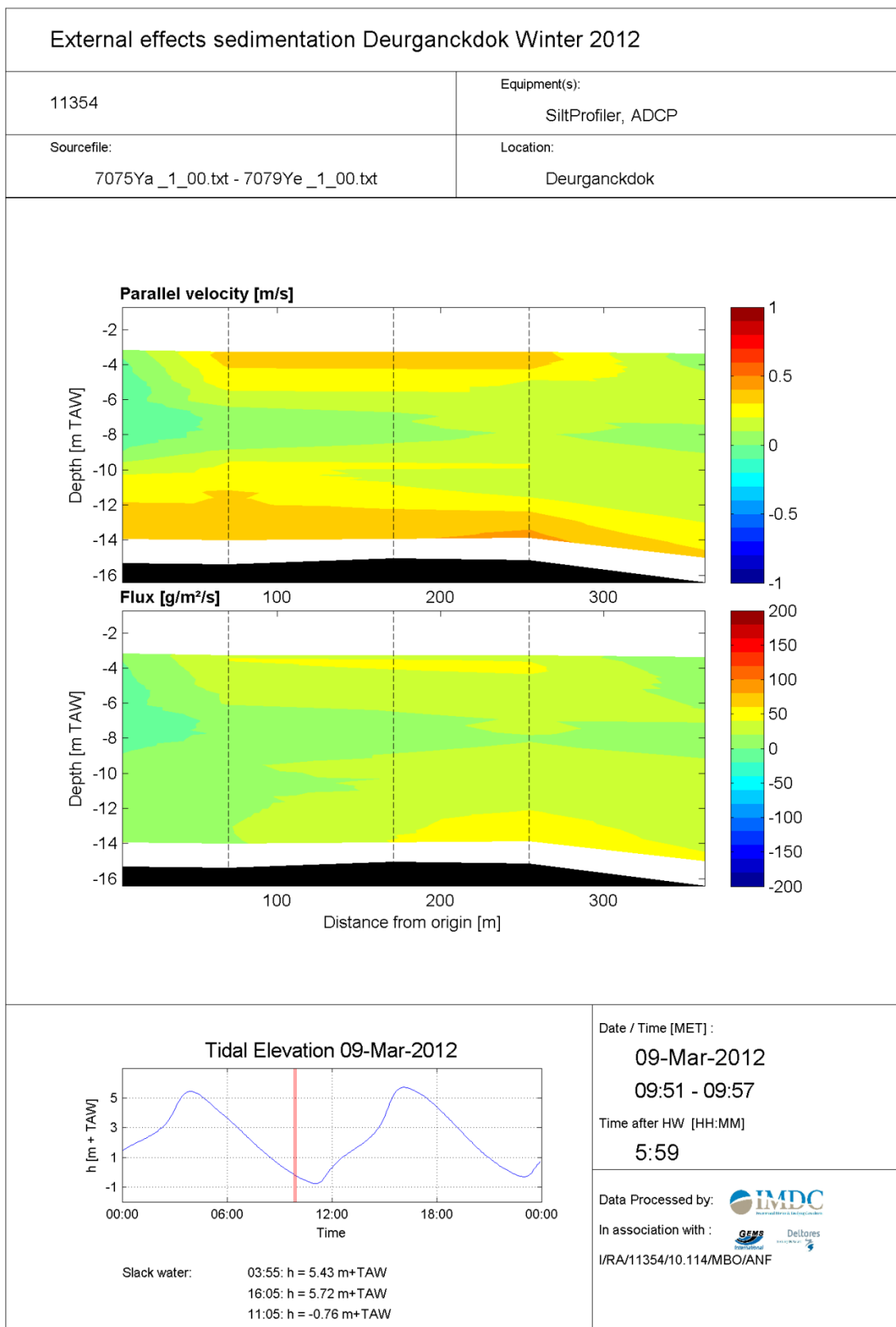


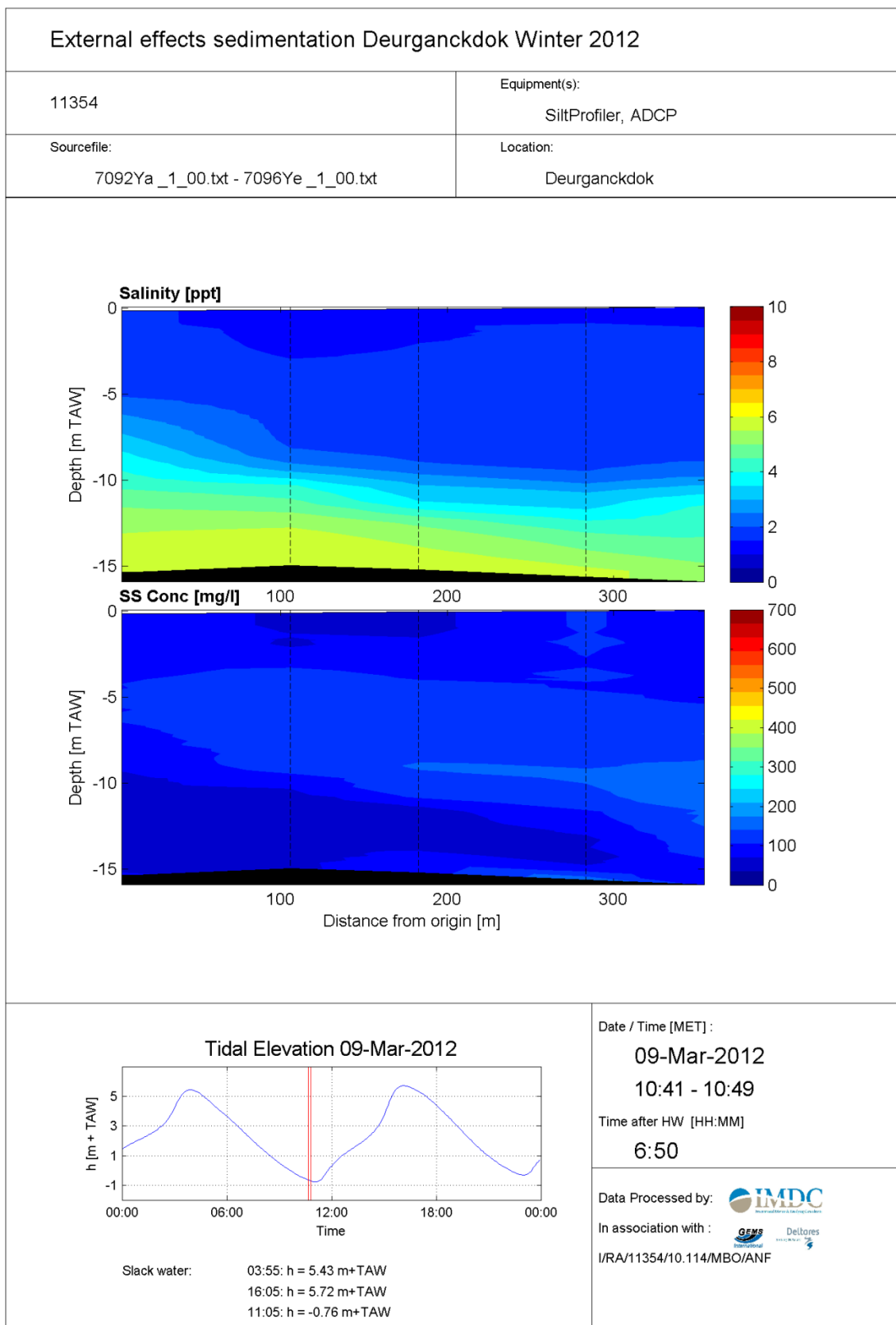


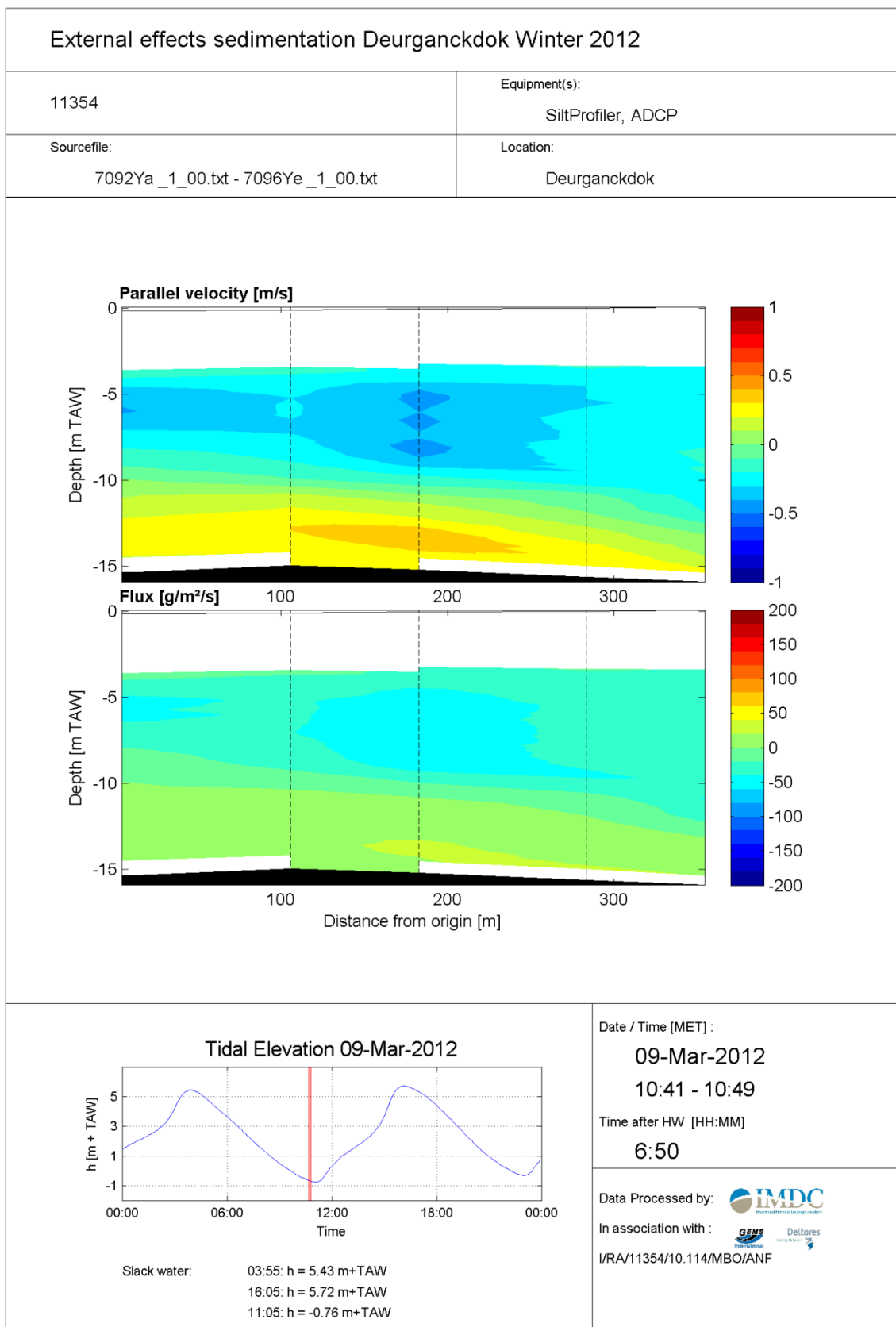


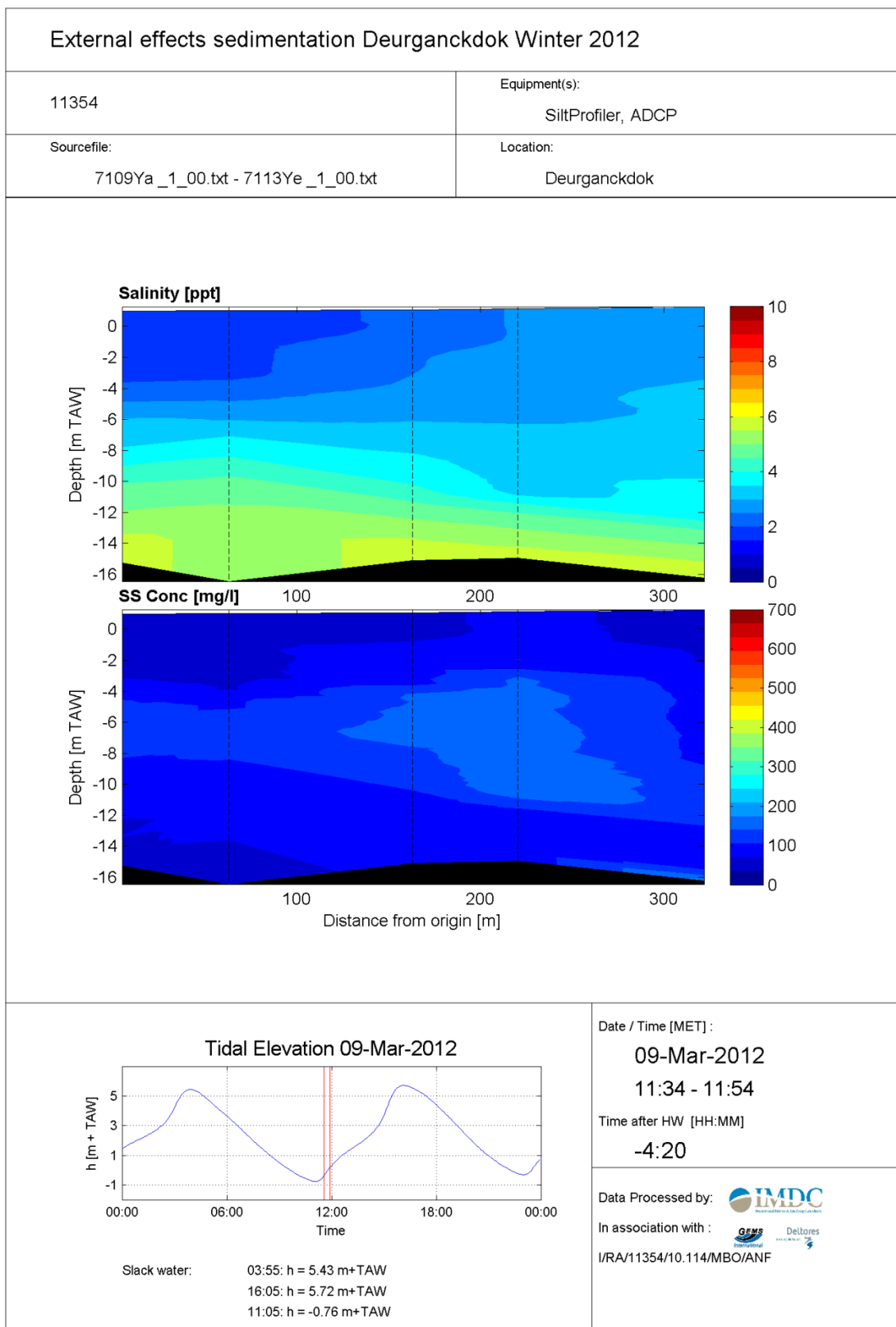


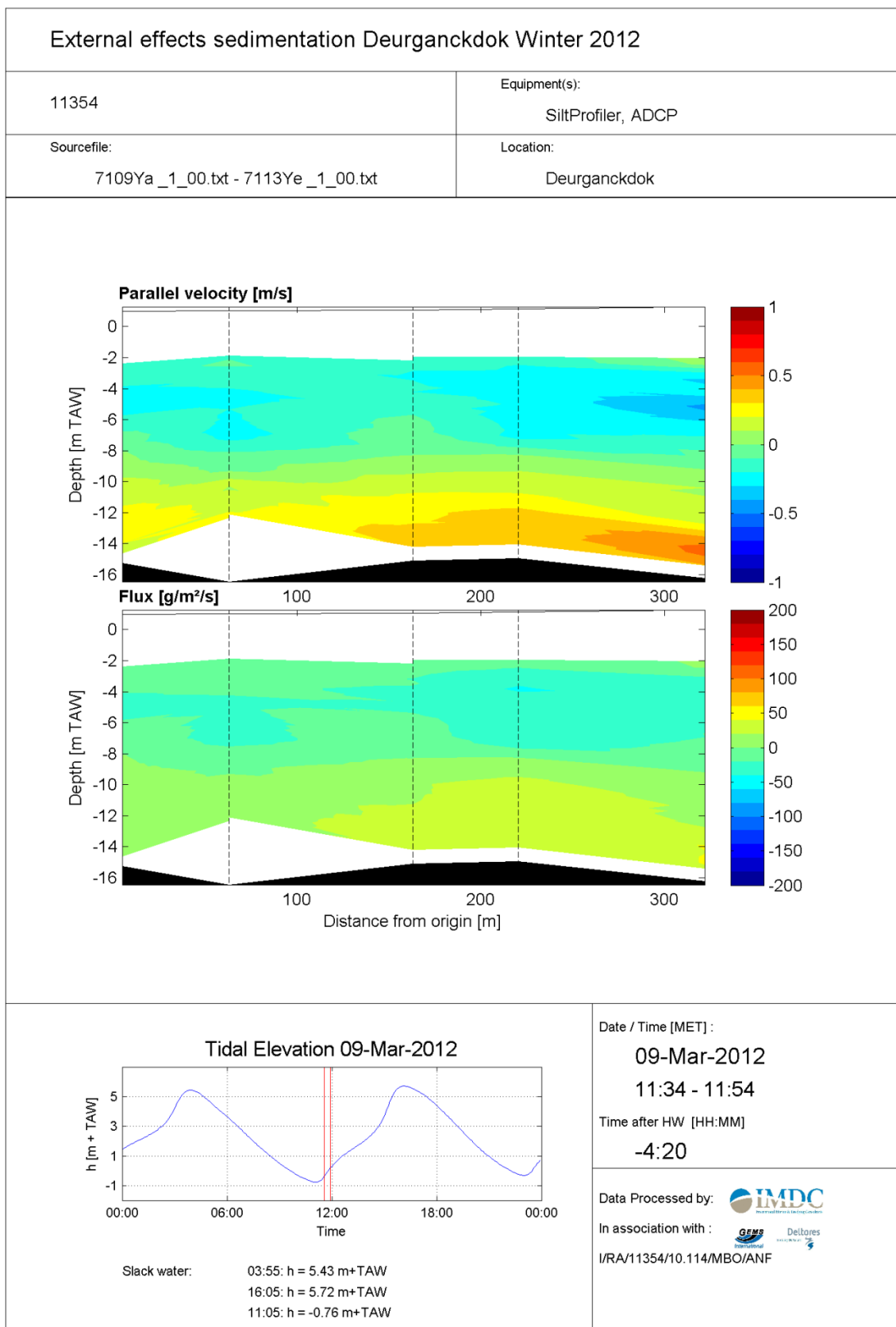


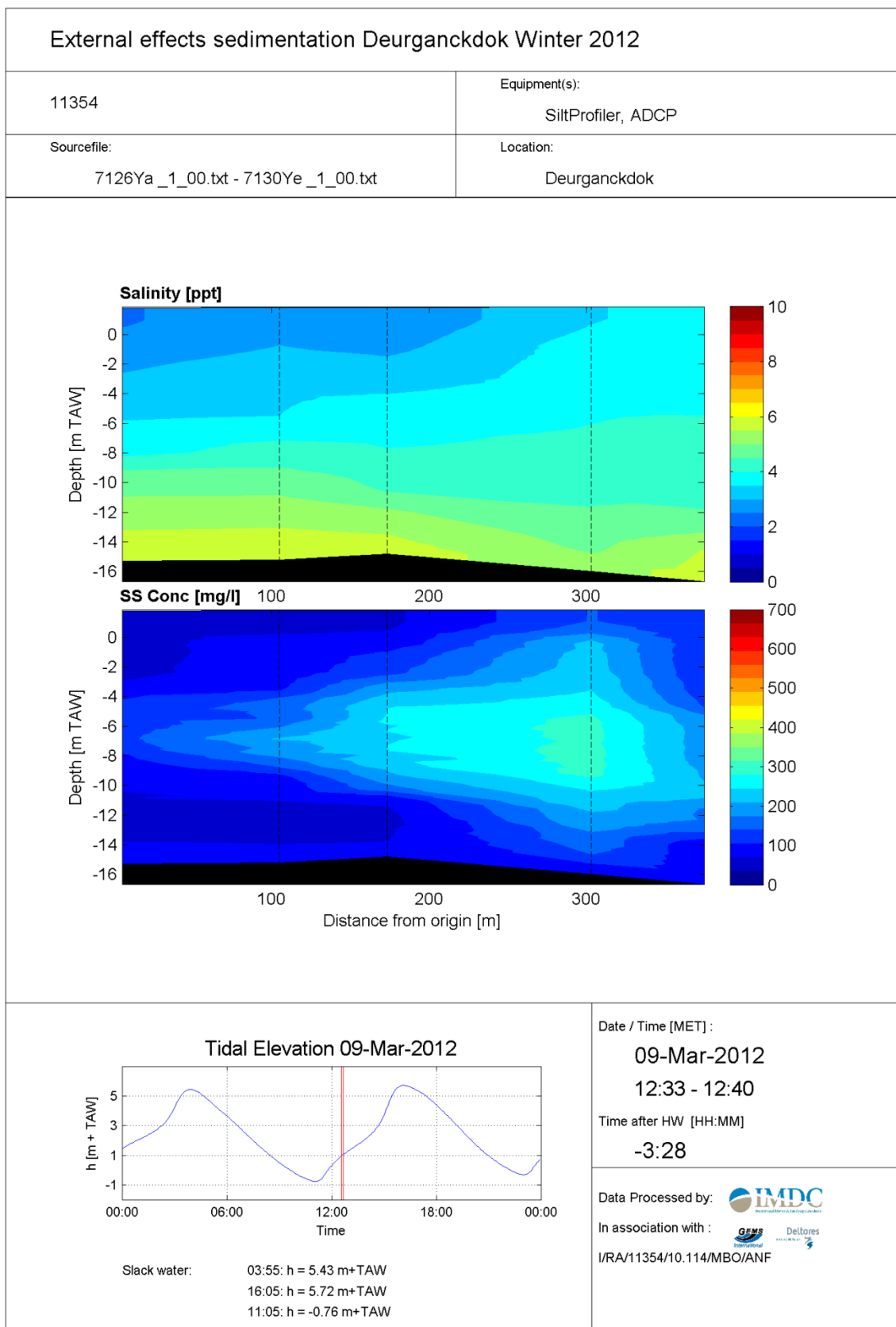


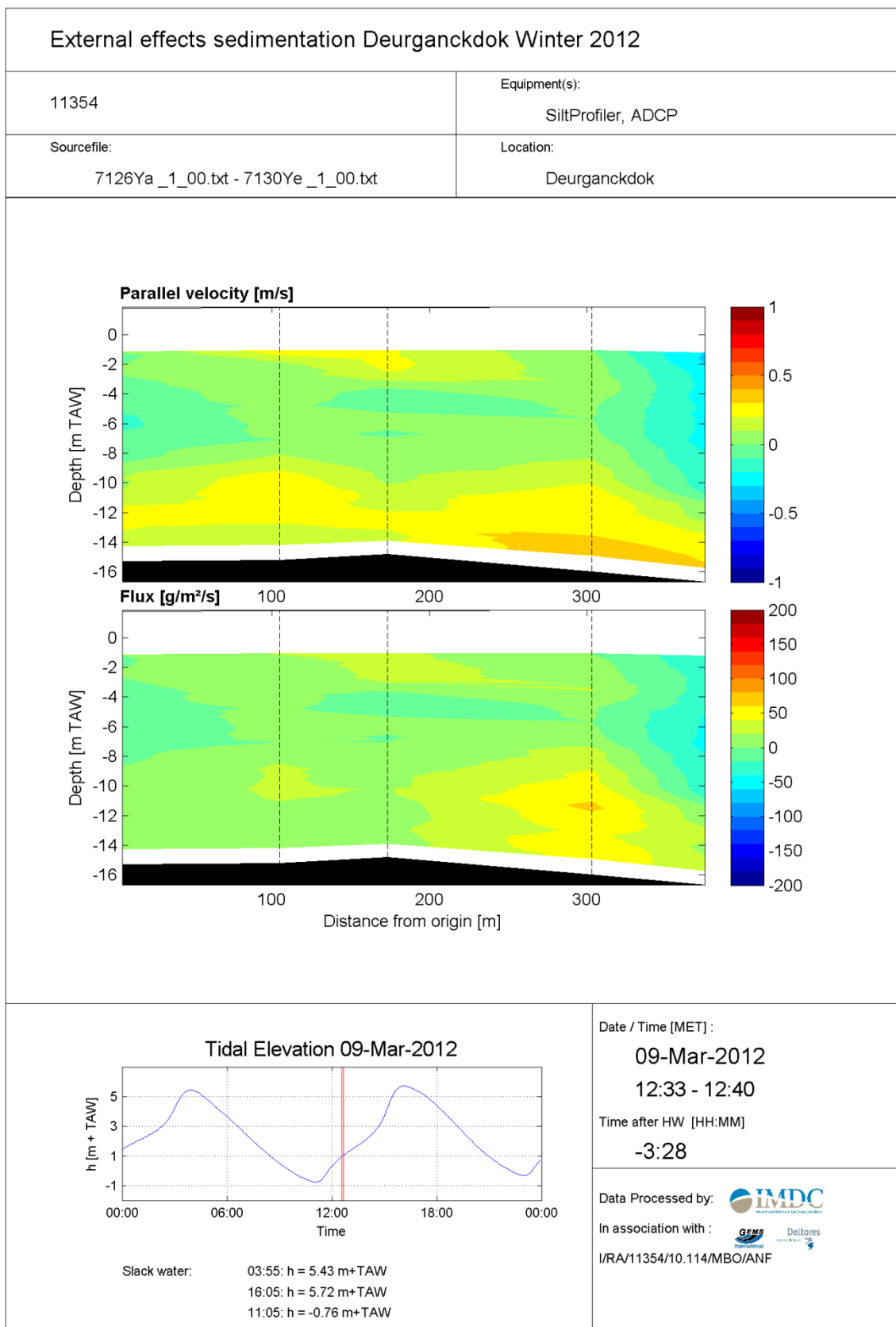


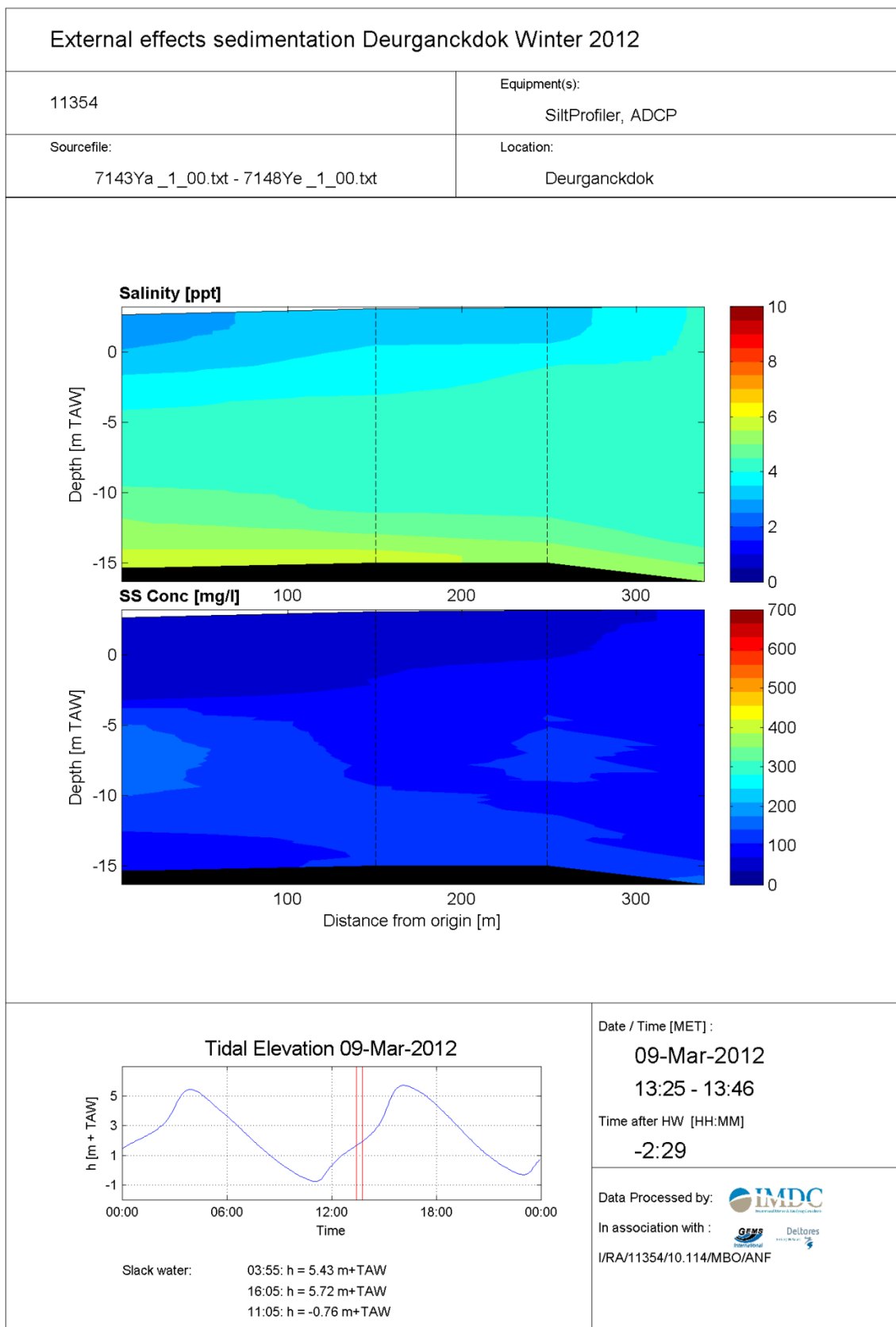


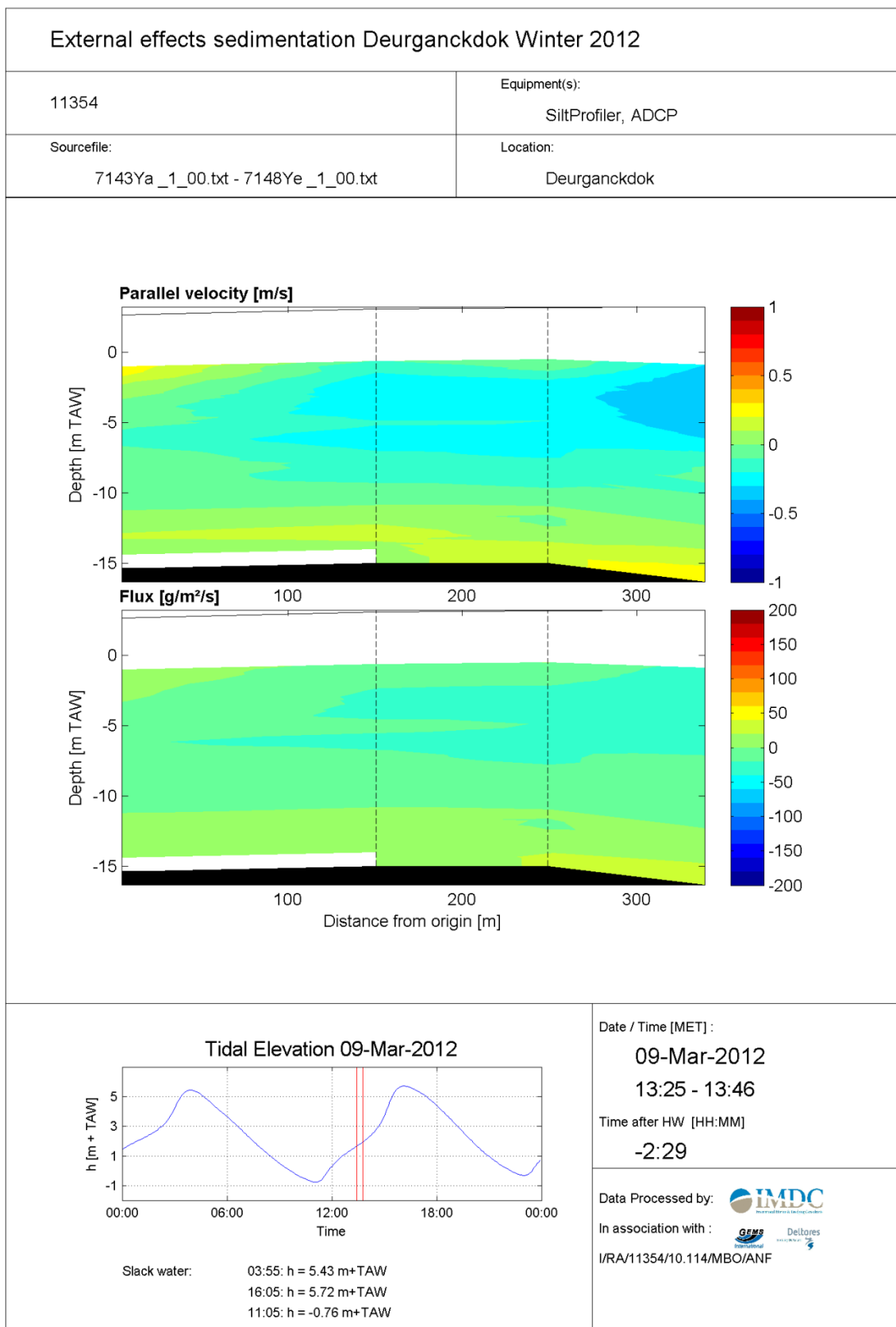


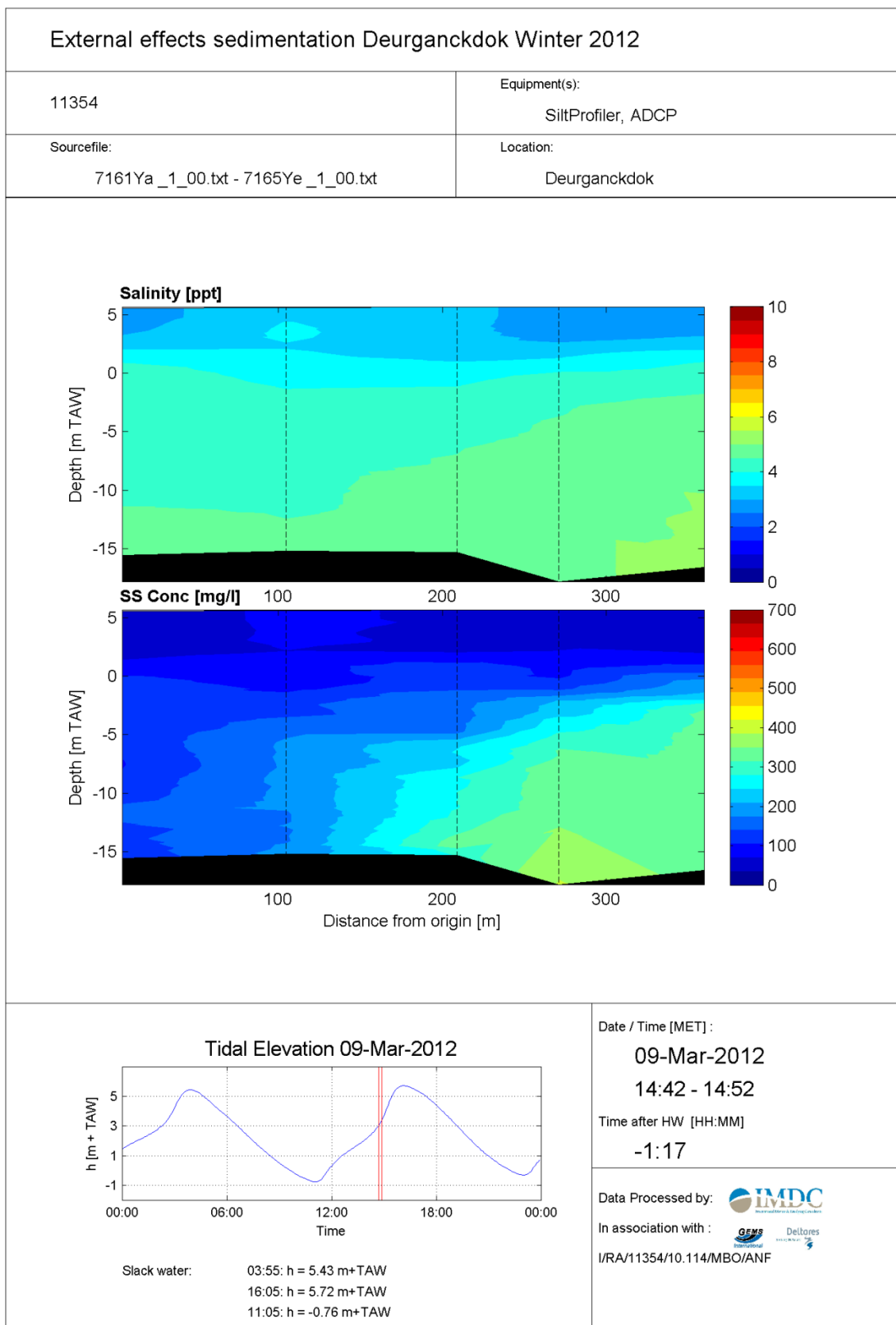


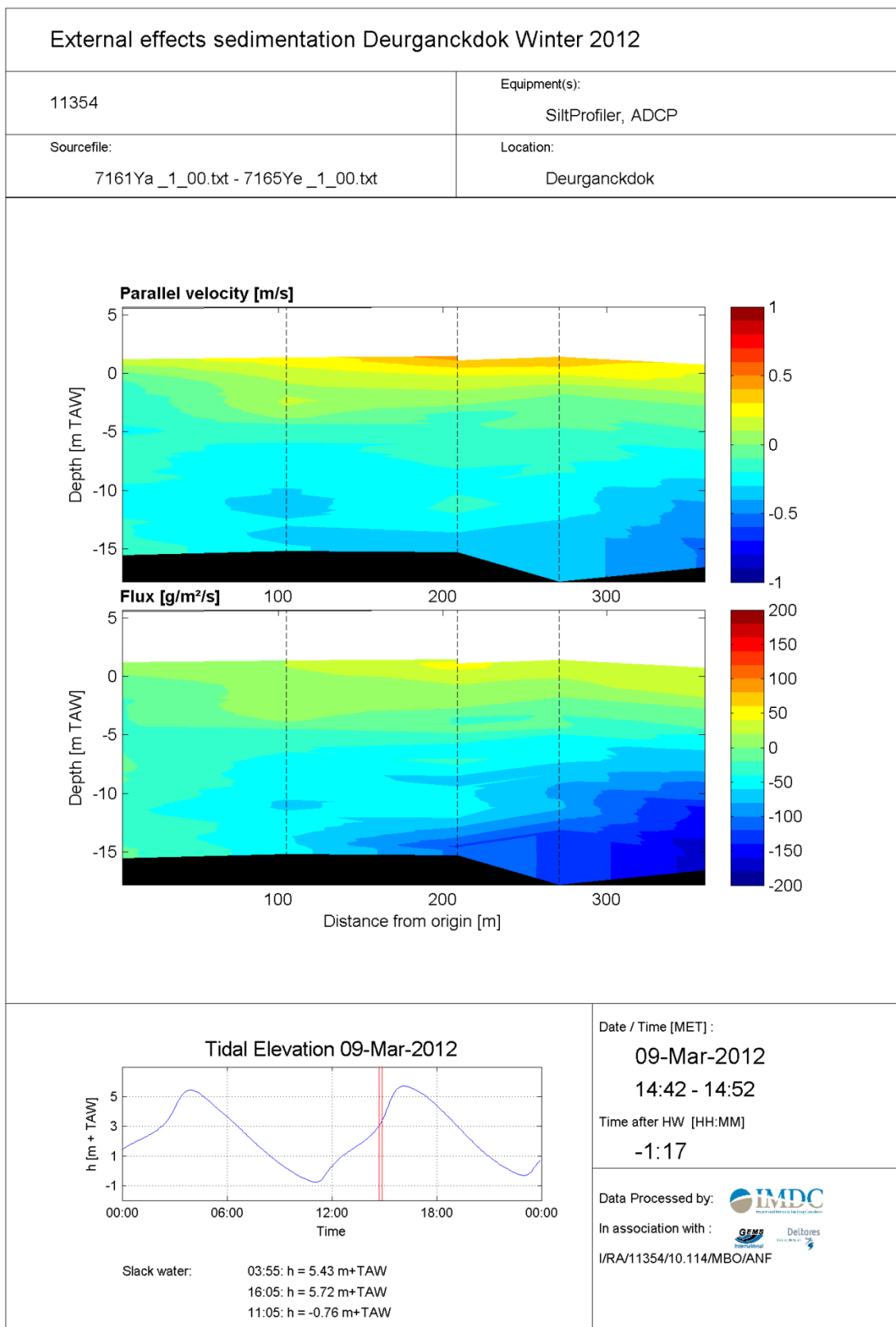


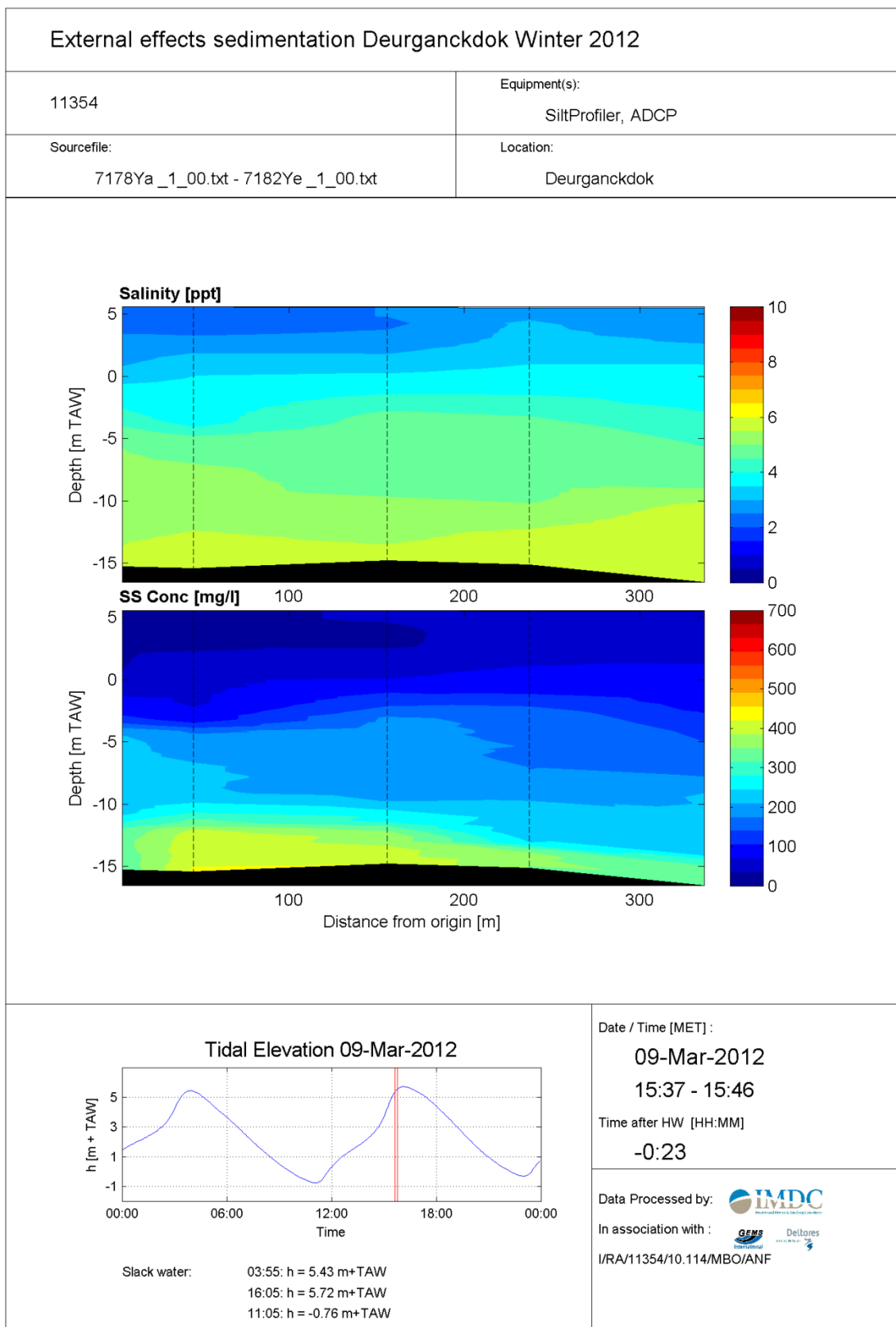


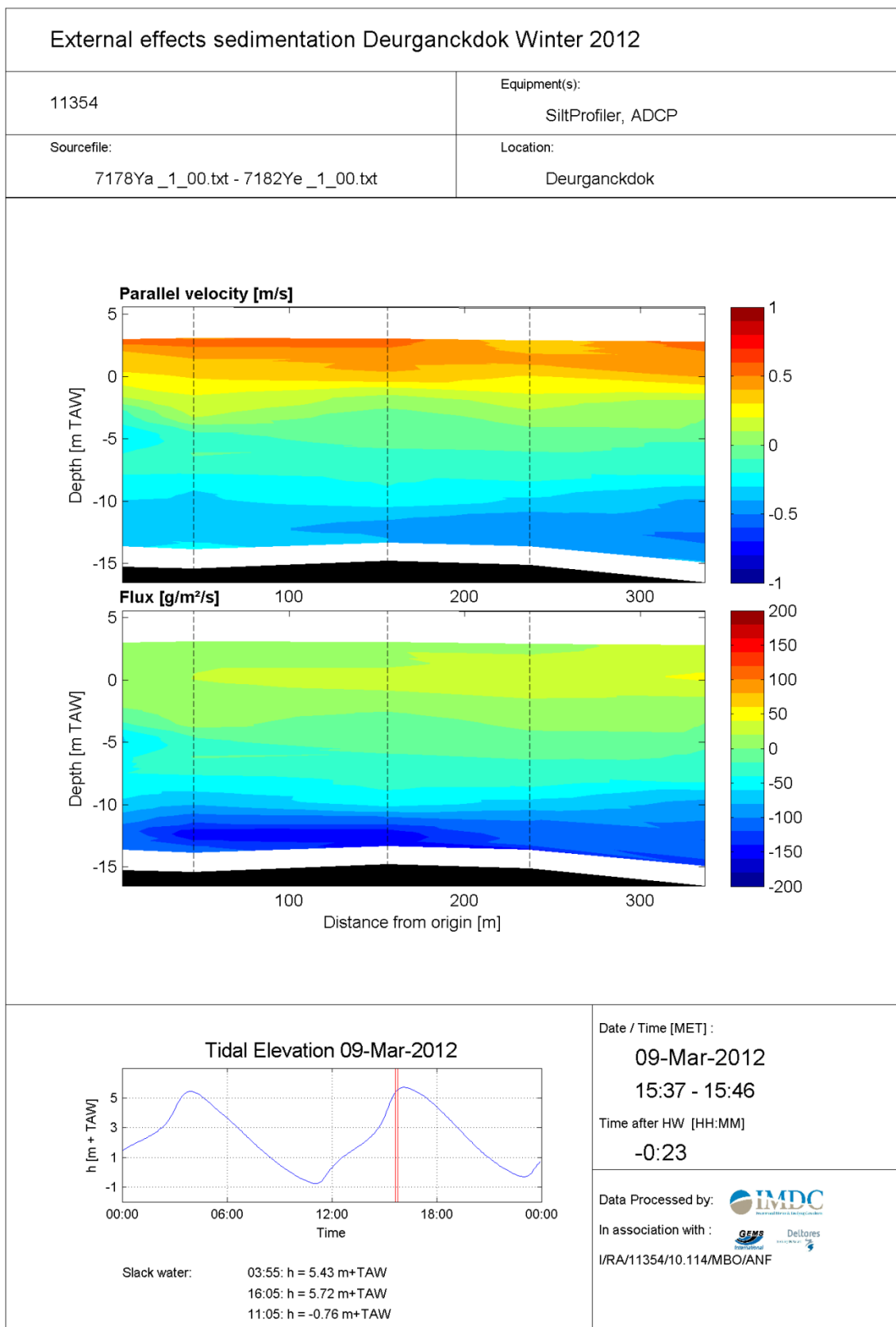


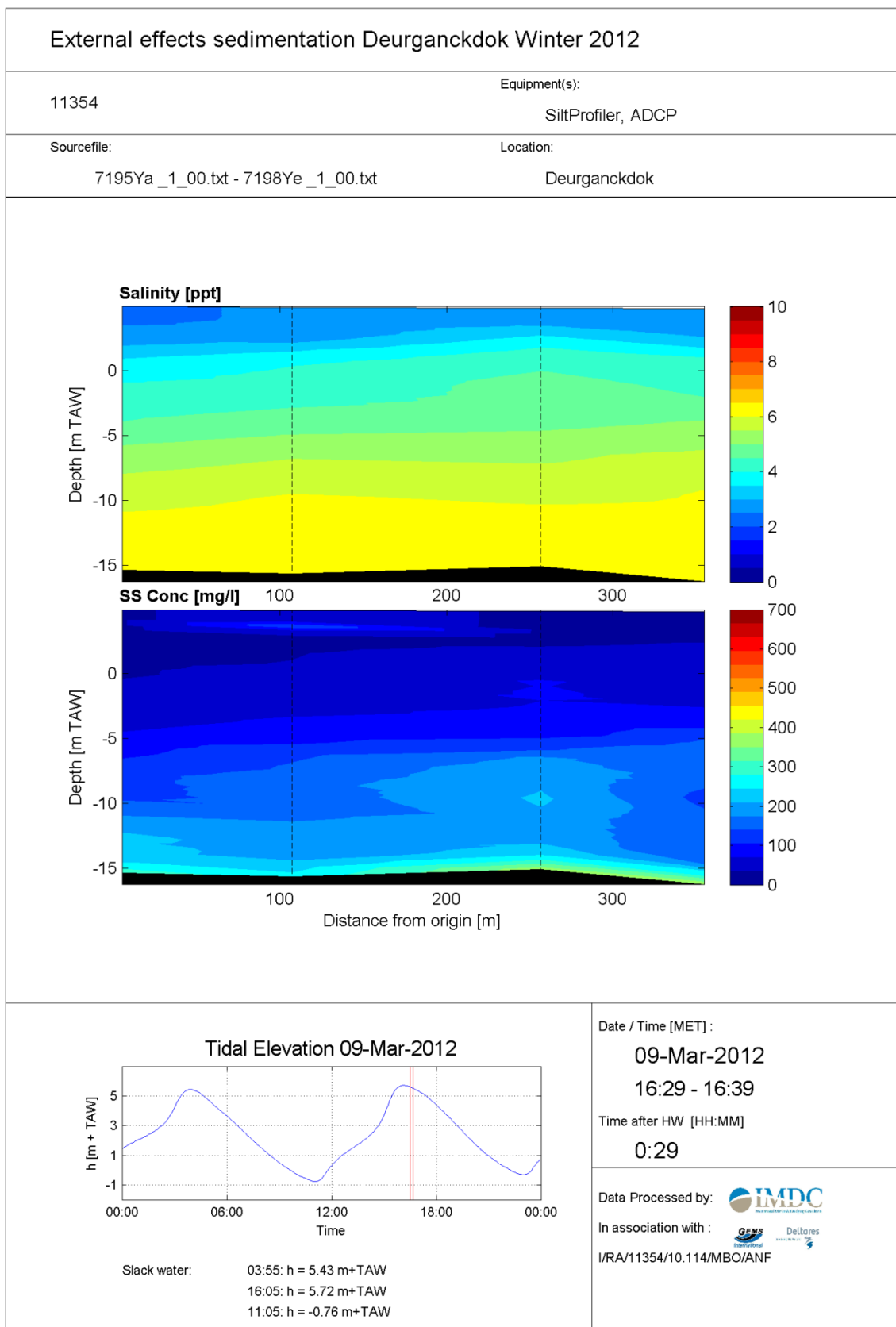


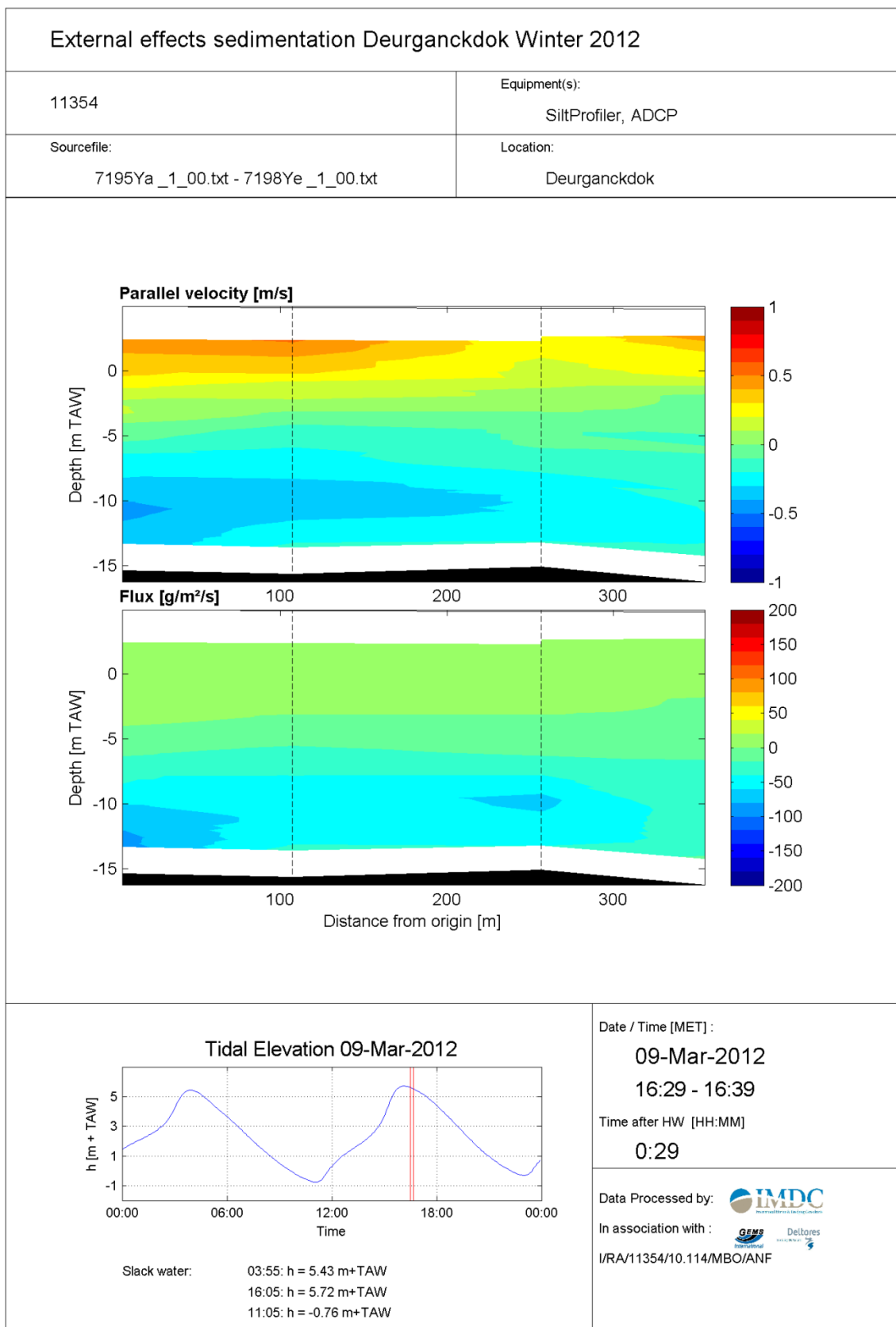


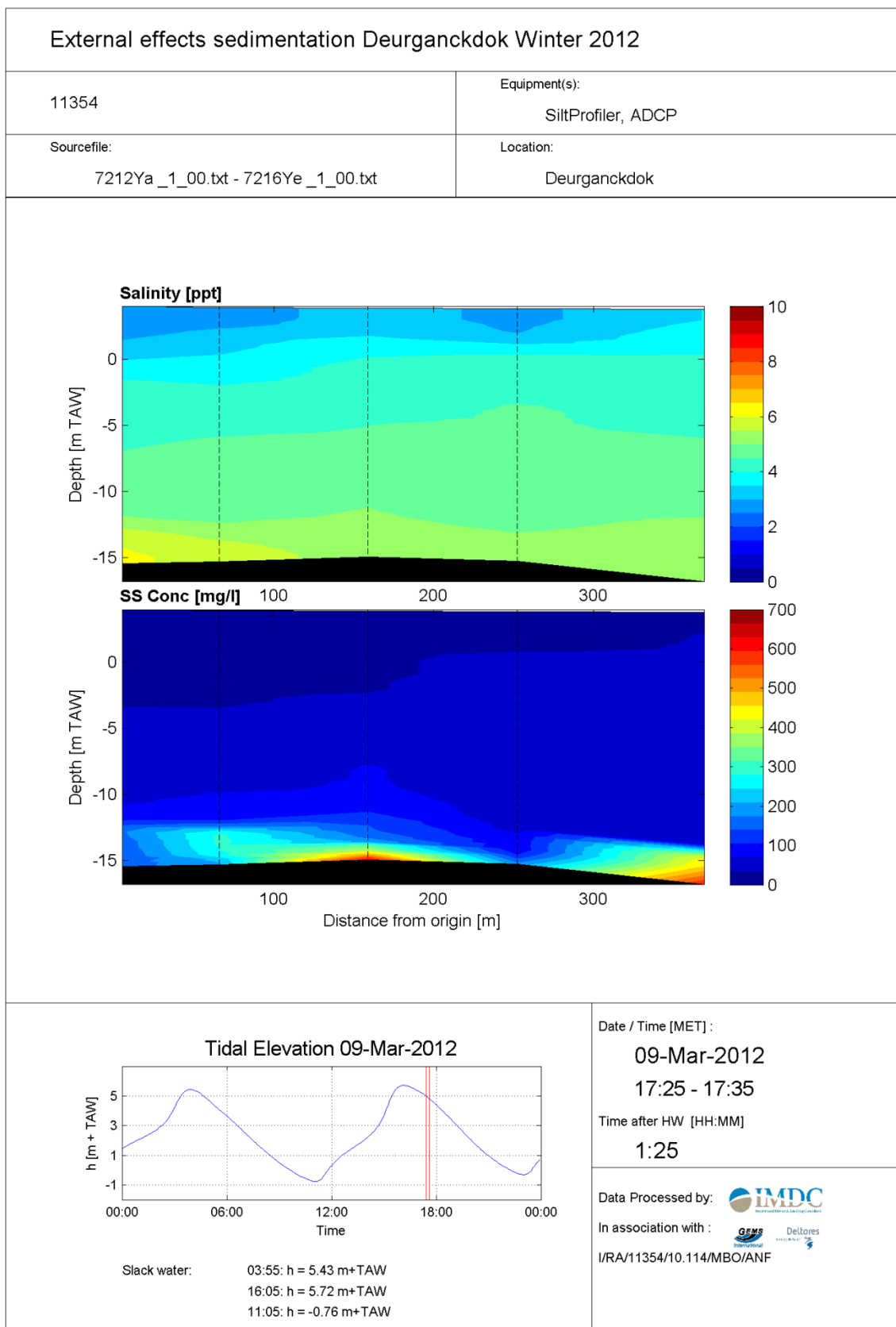


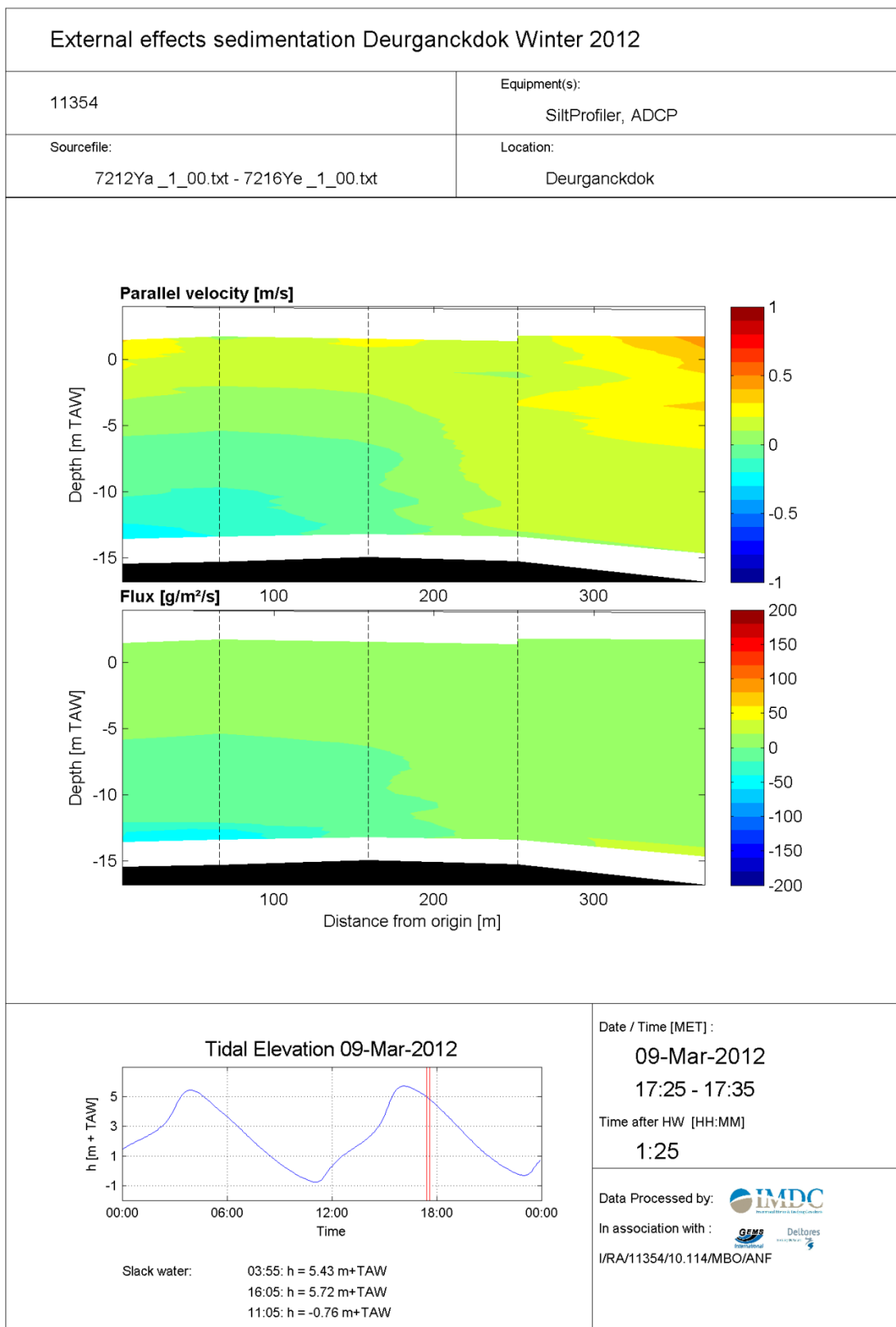


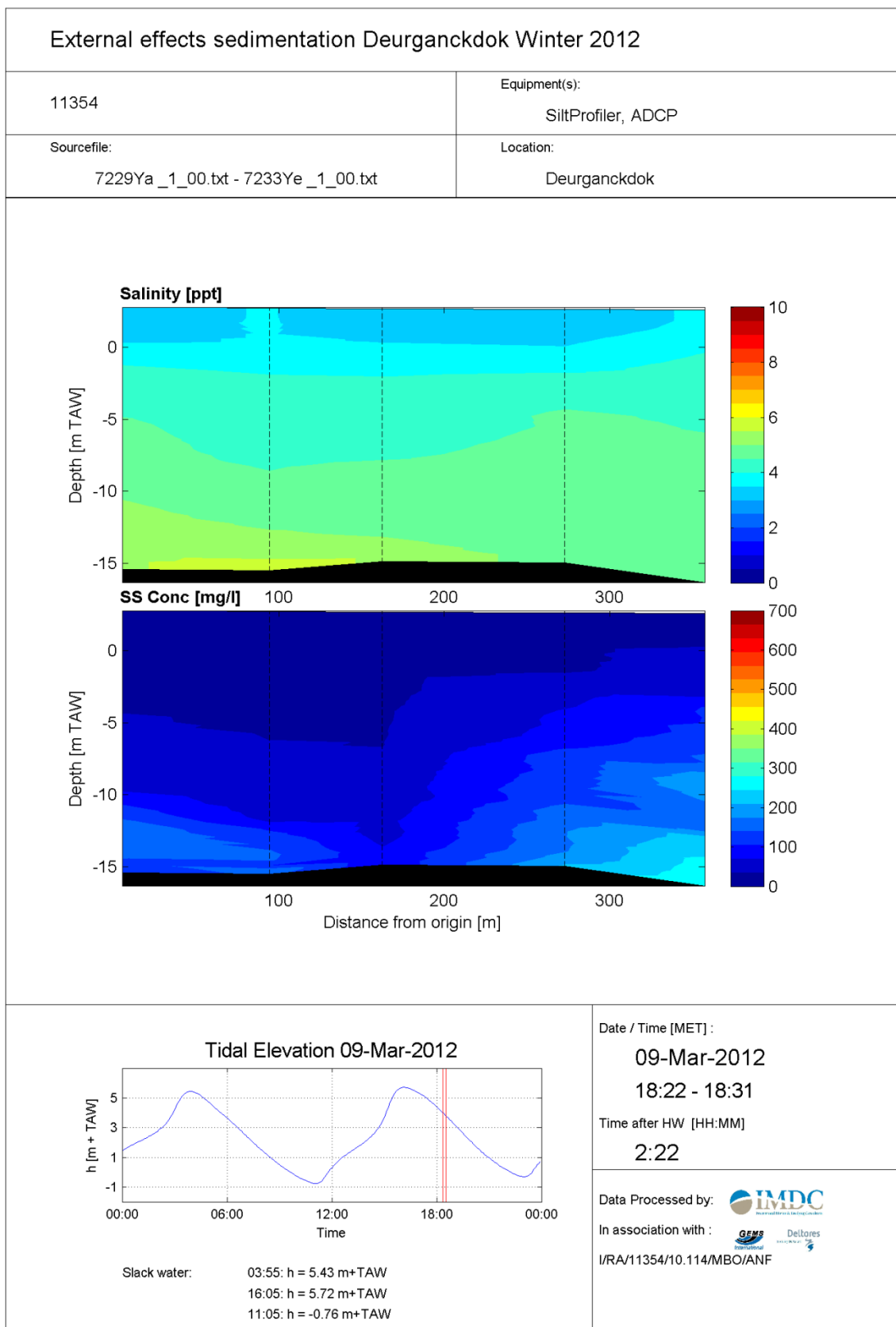


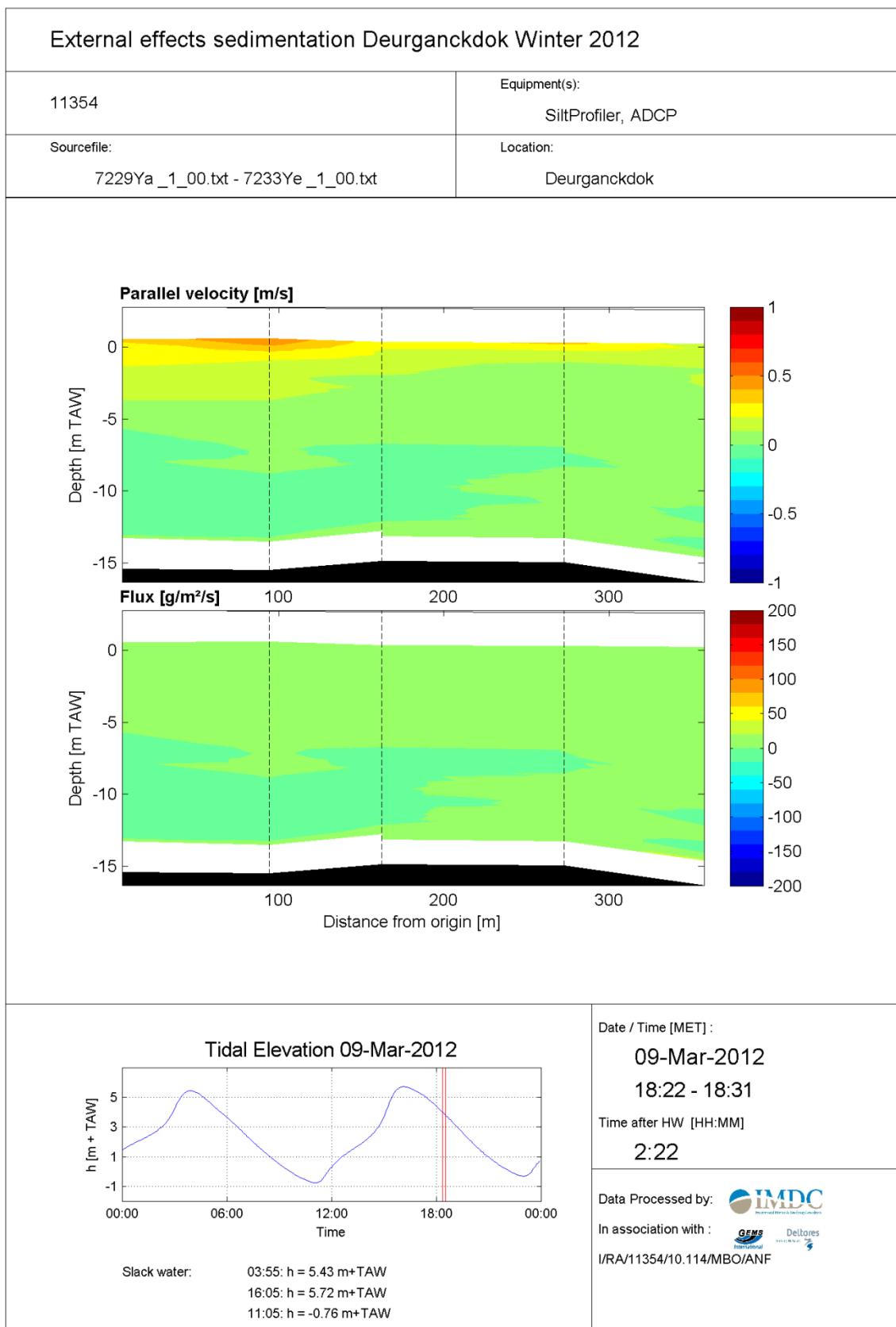


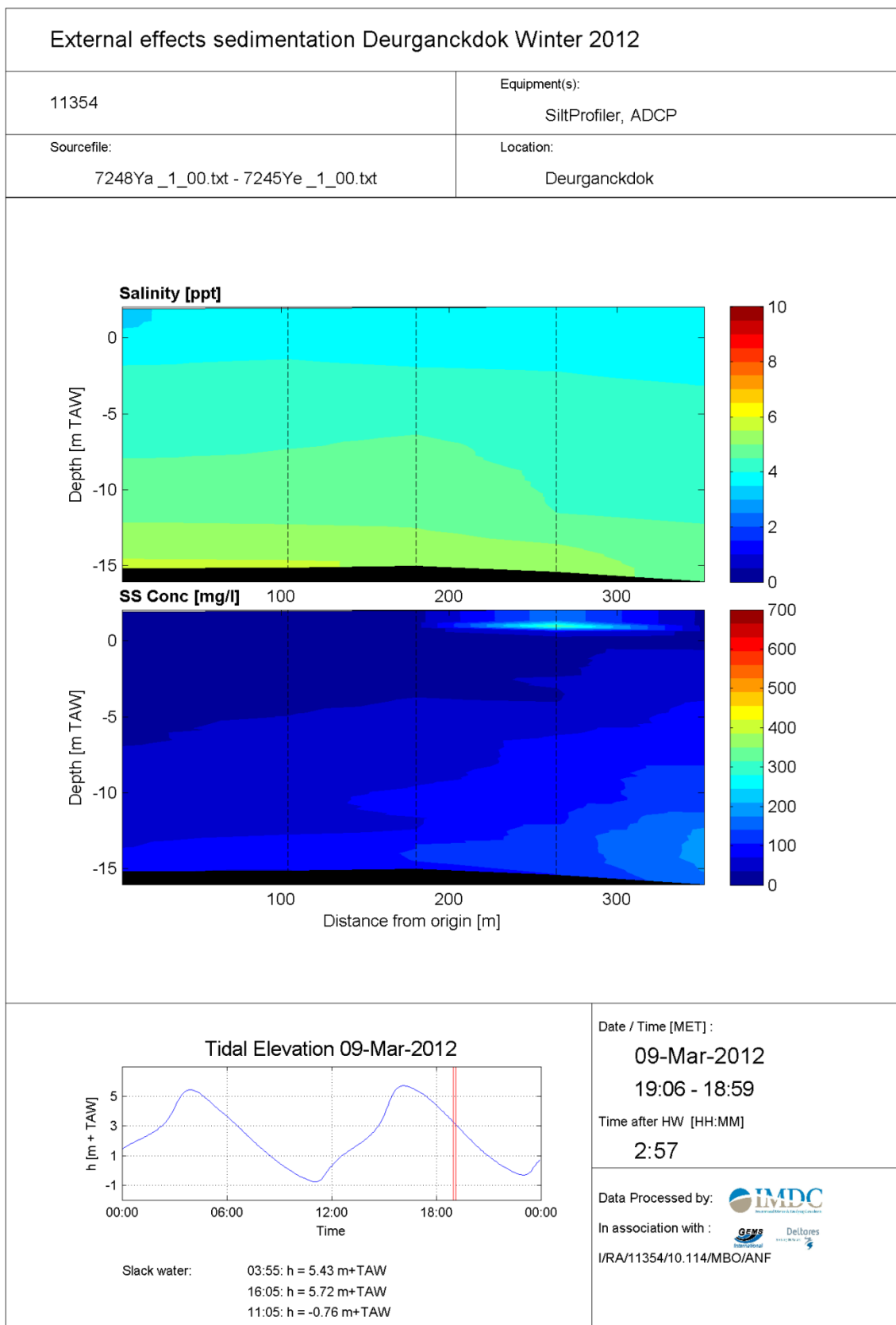


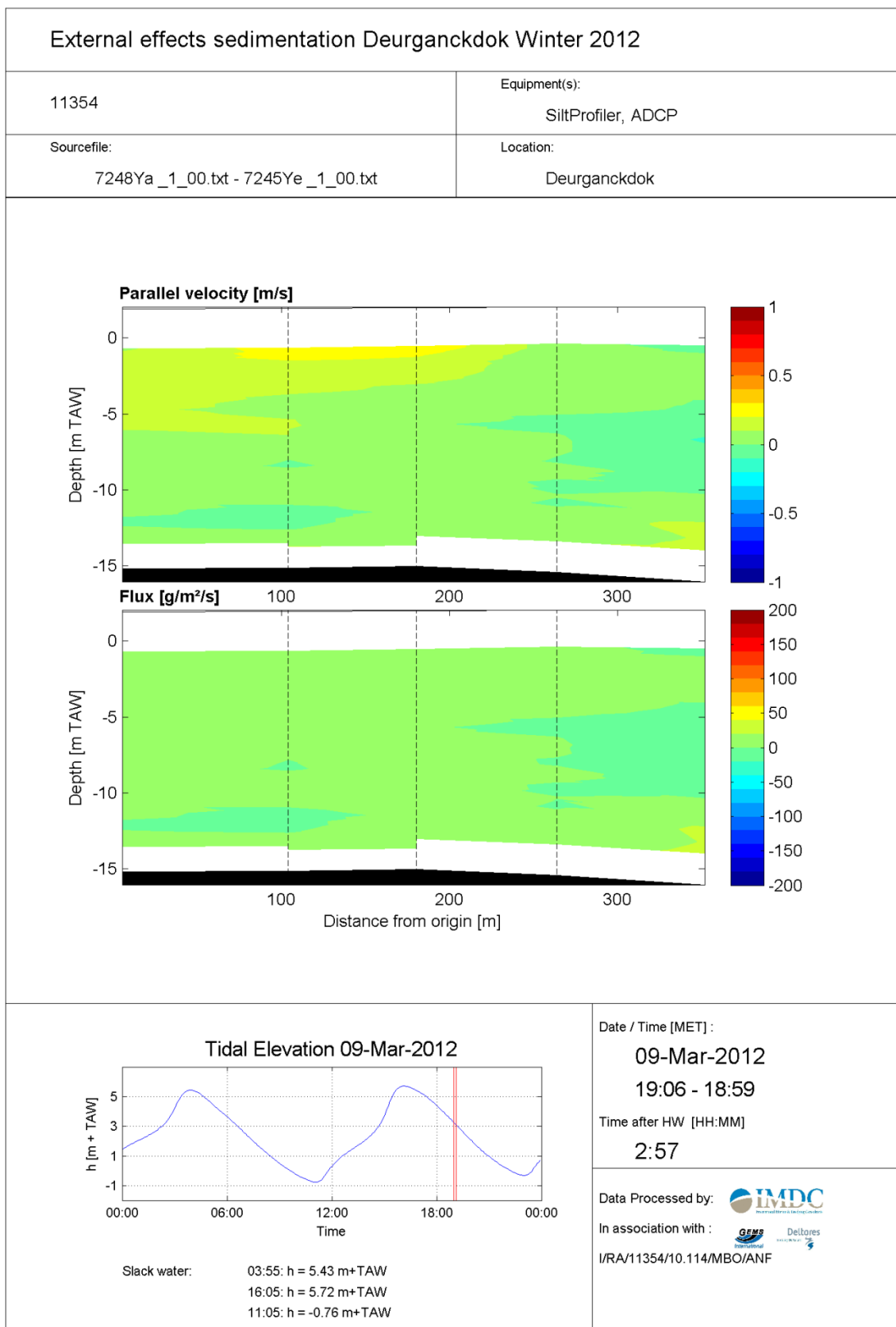




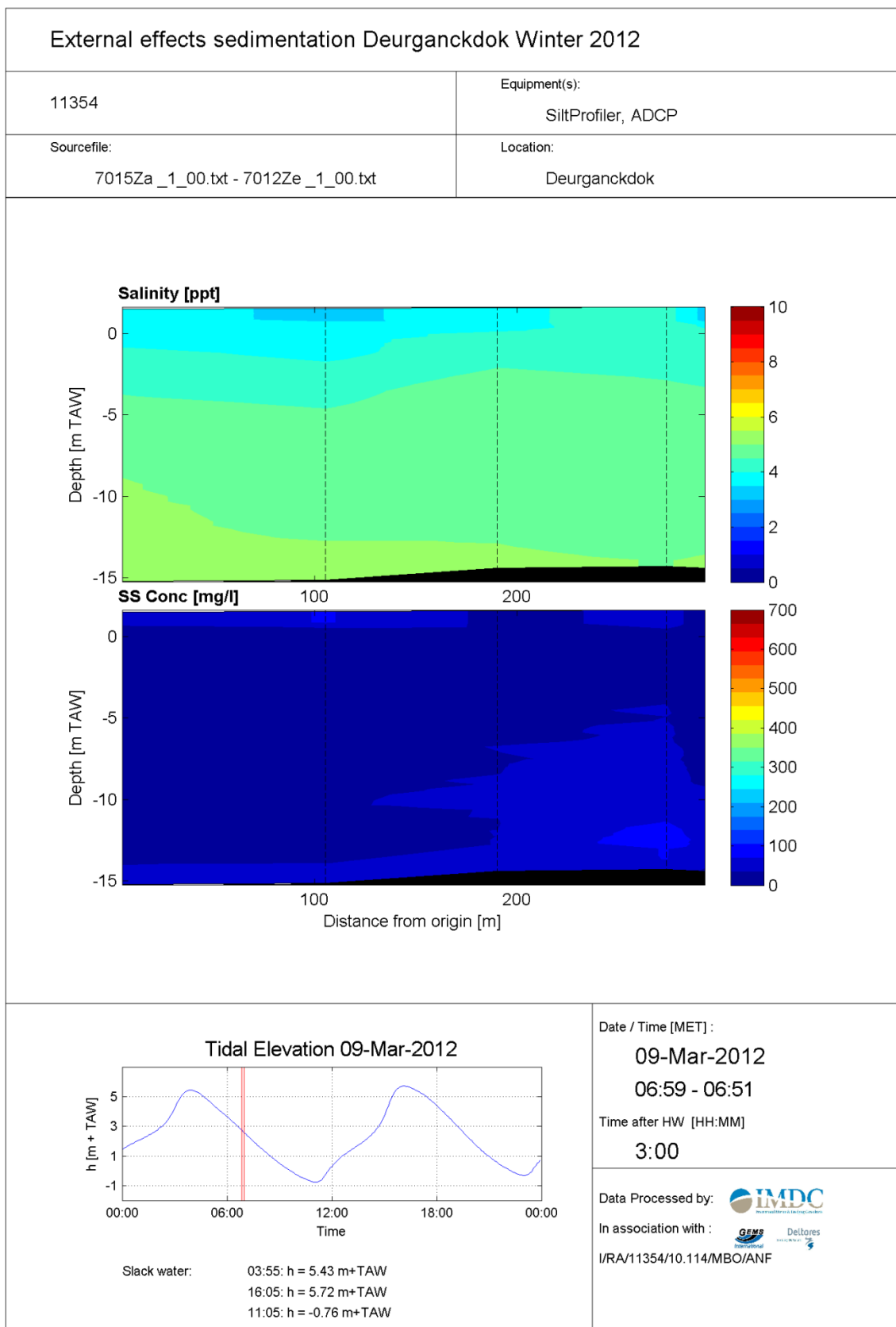


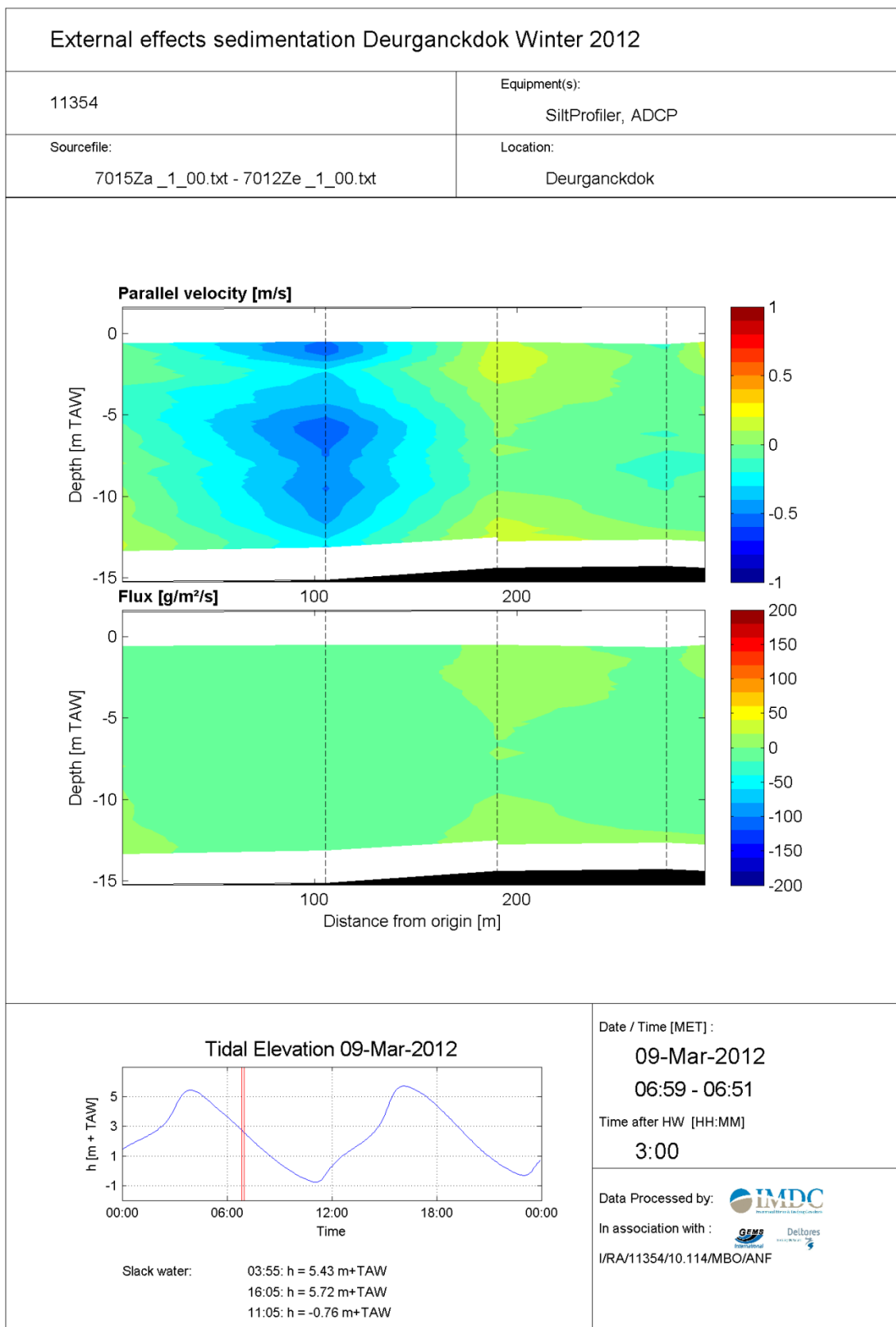


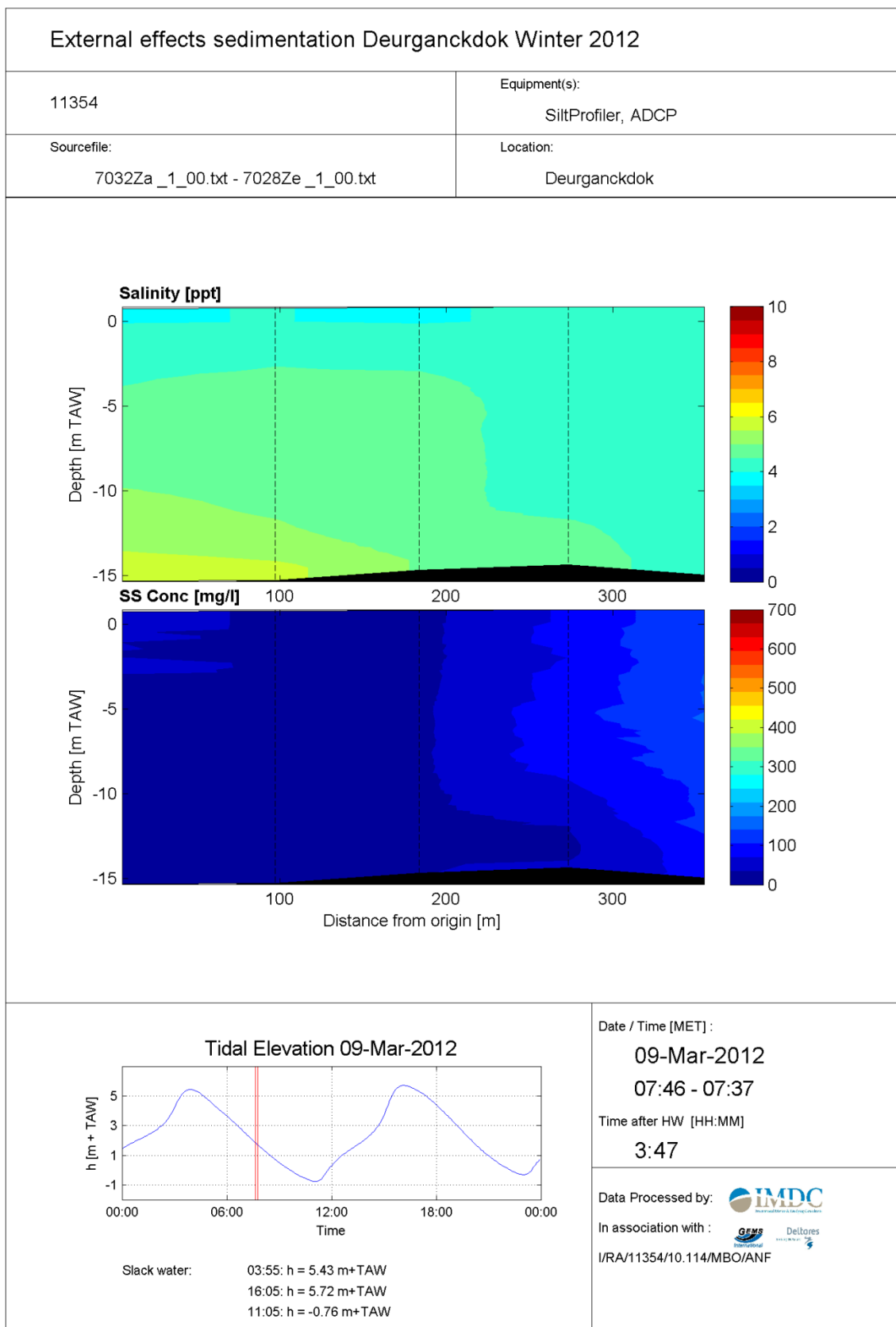


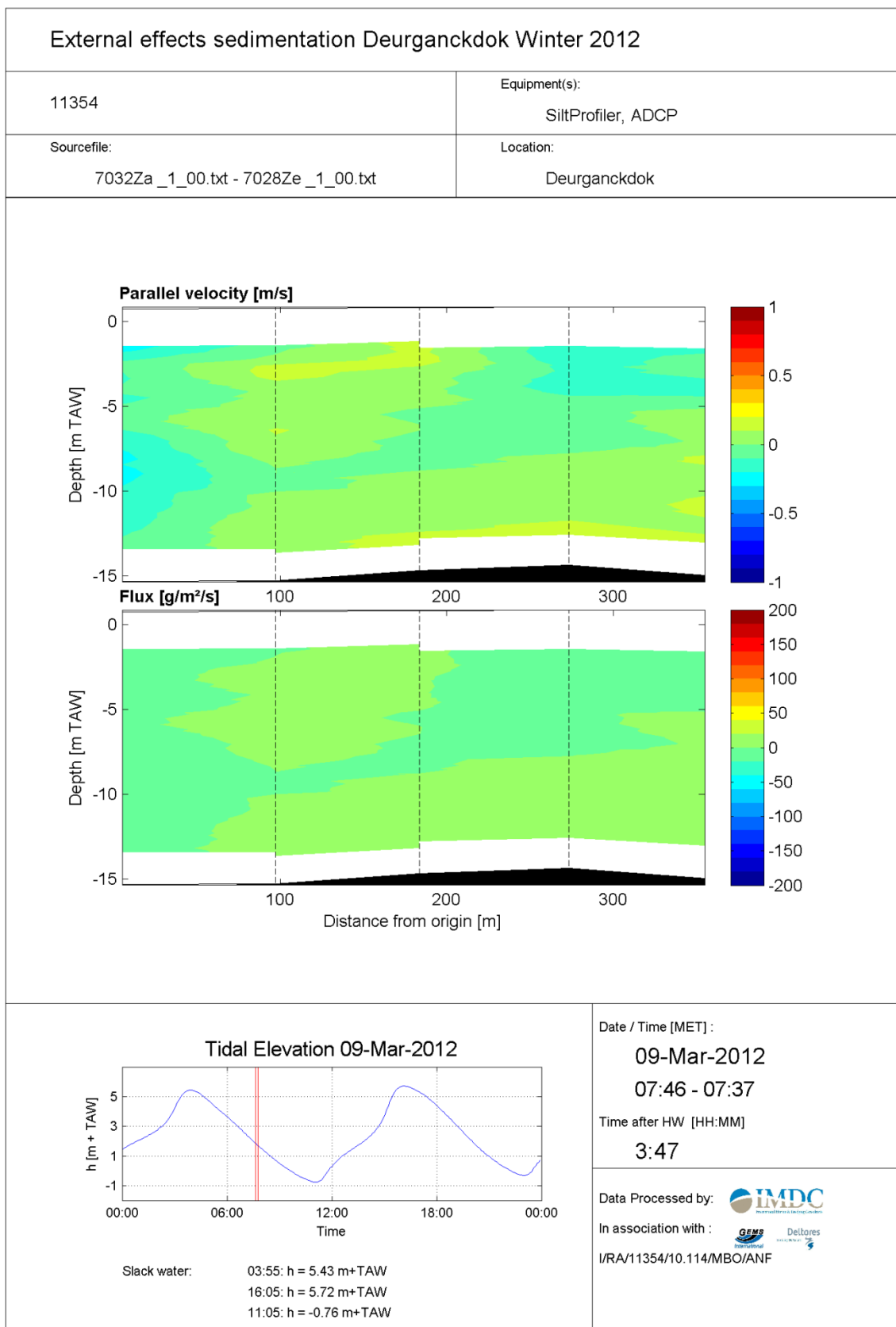


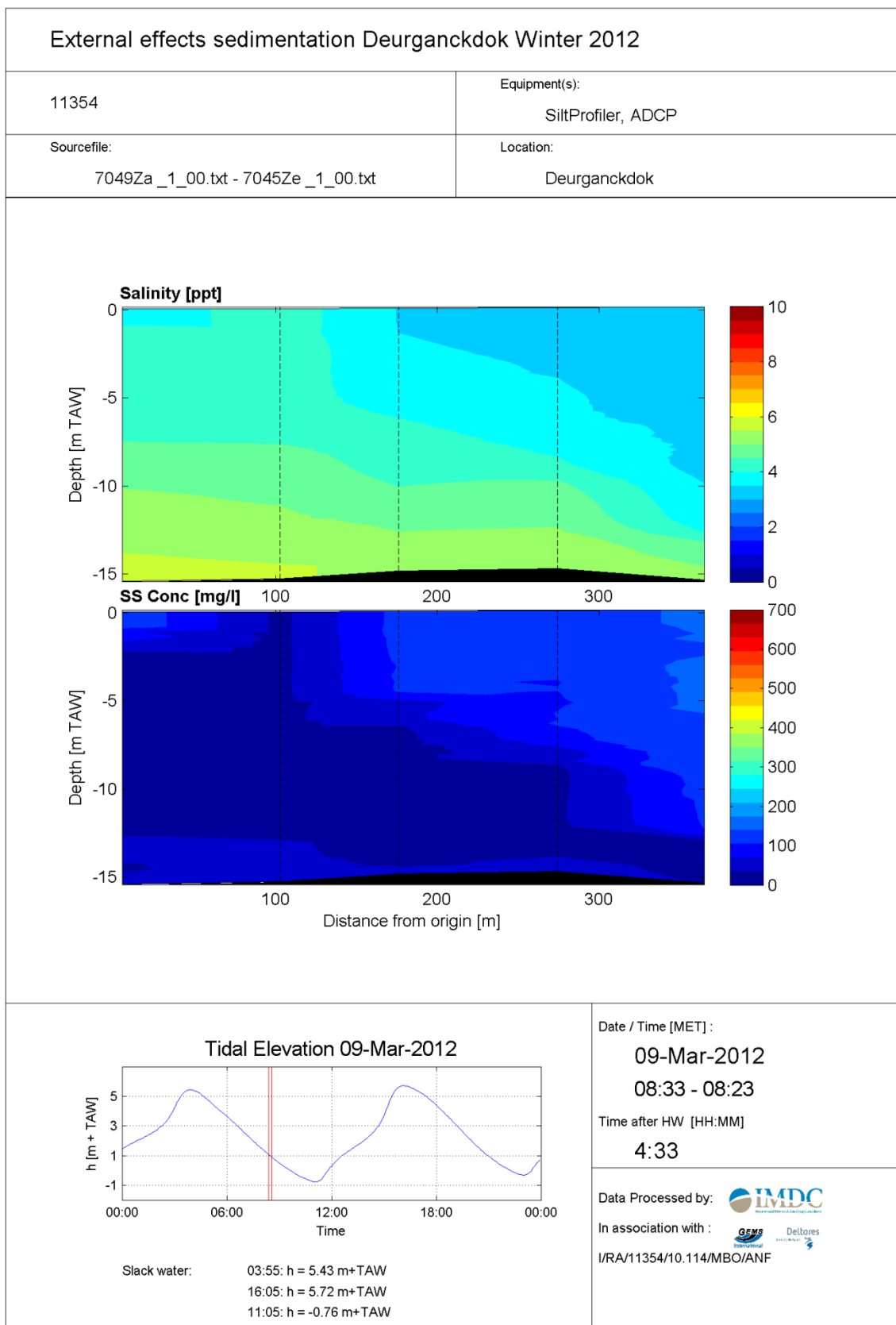
E.3 Cross-section Z

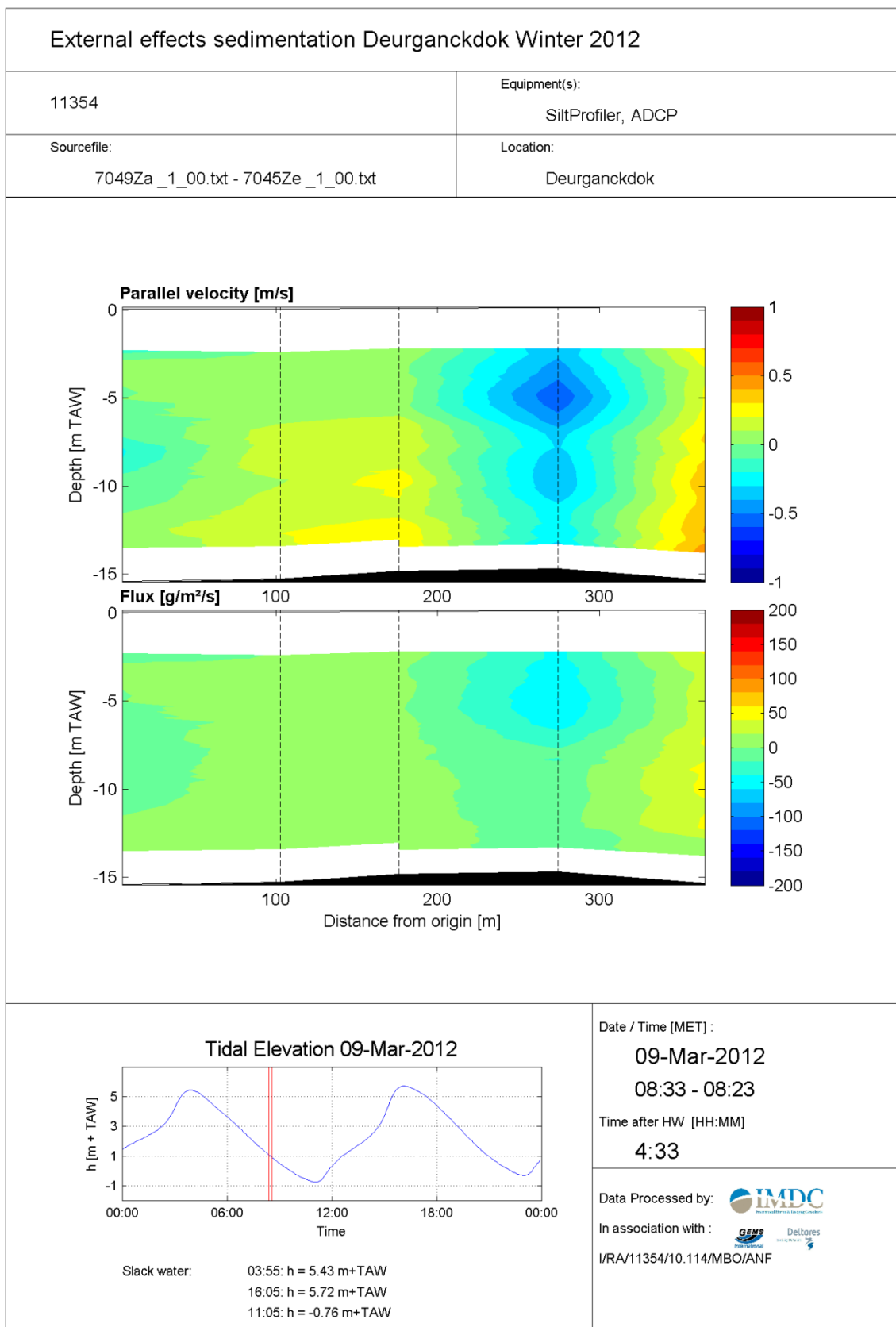


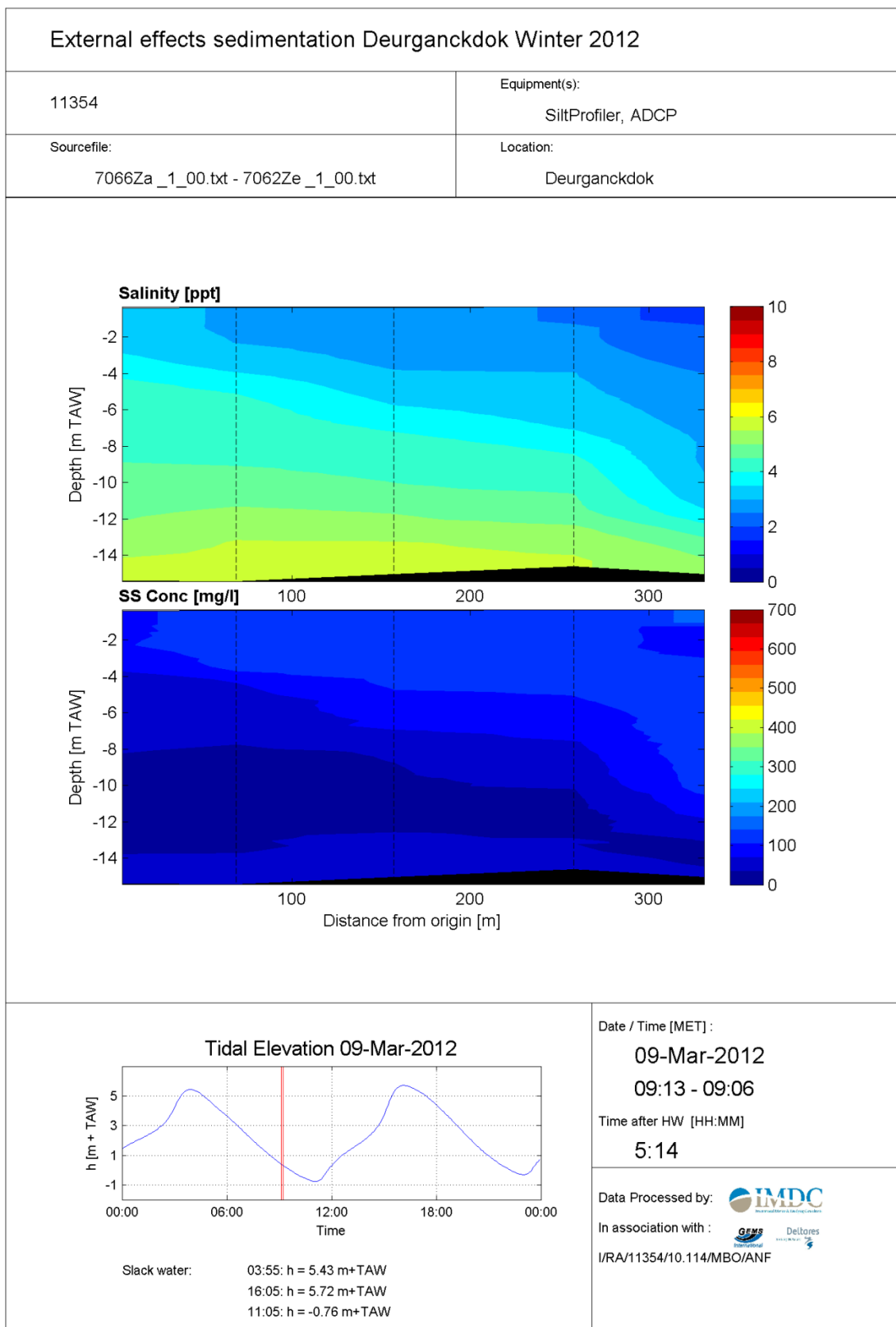


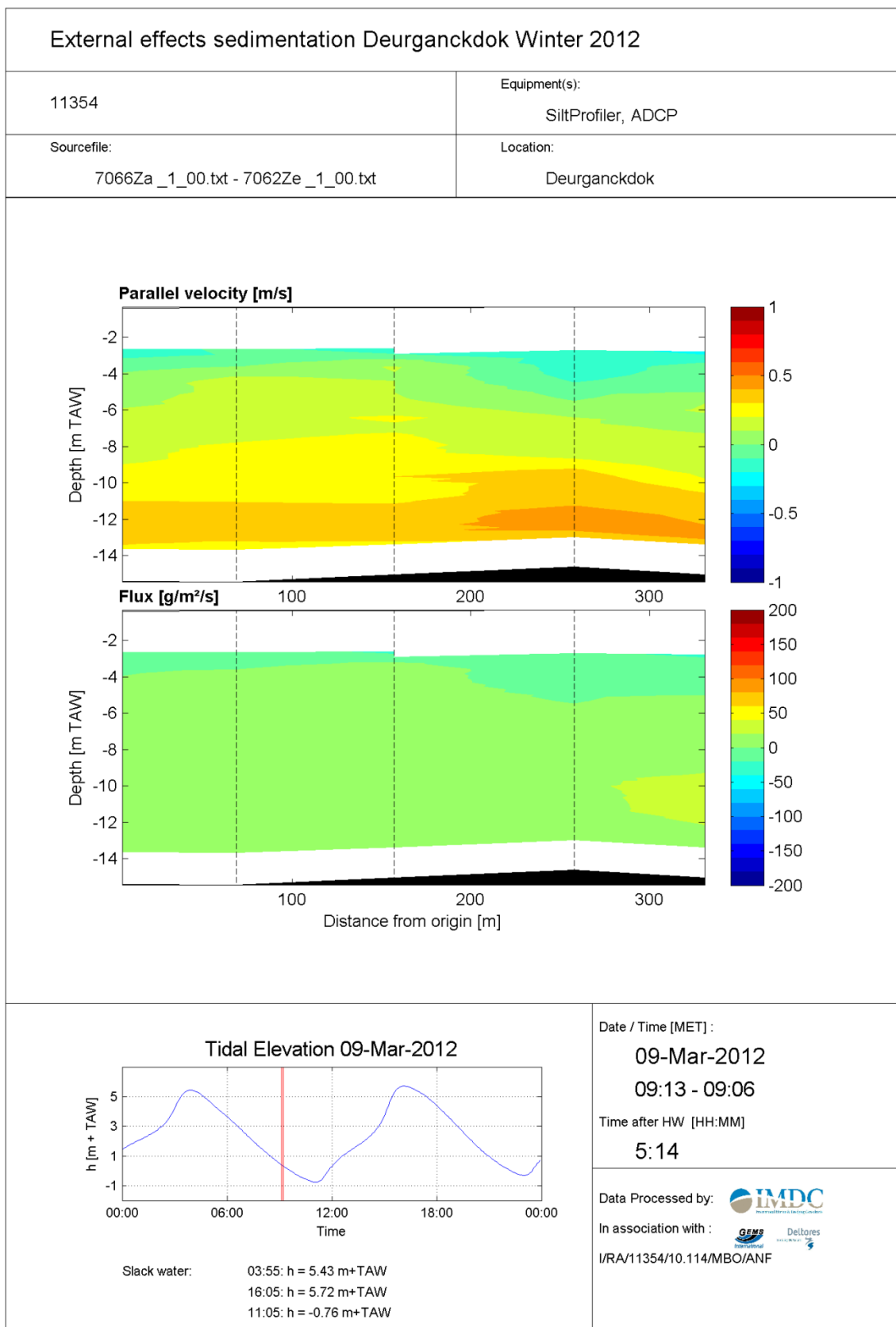


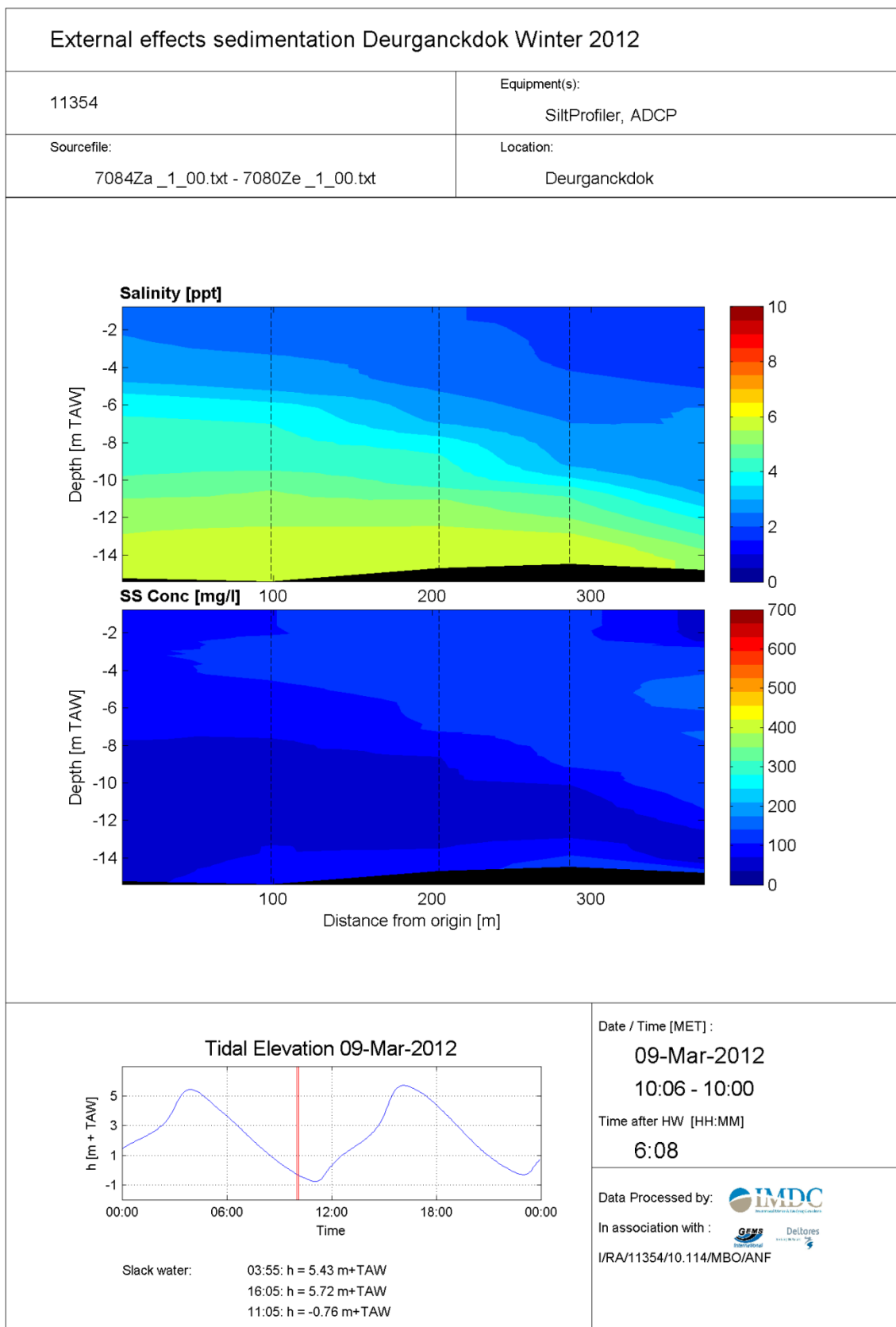


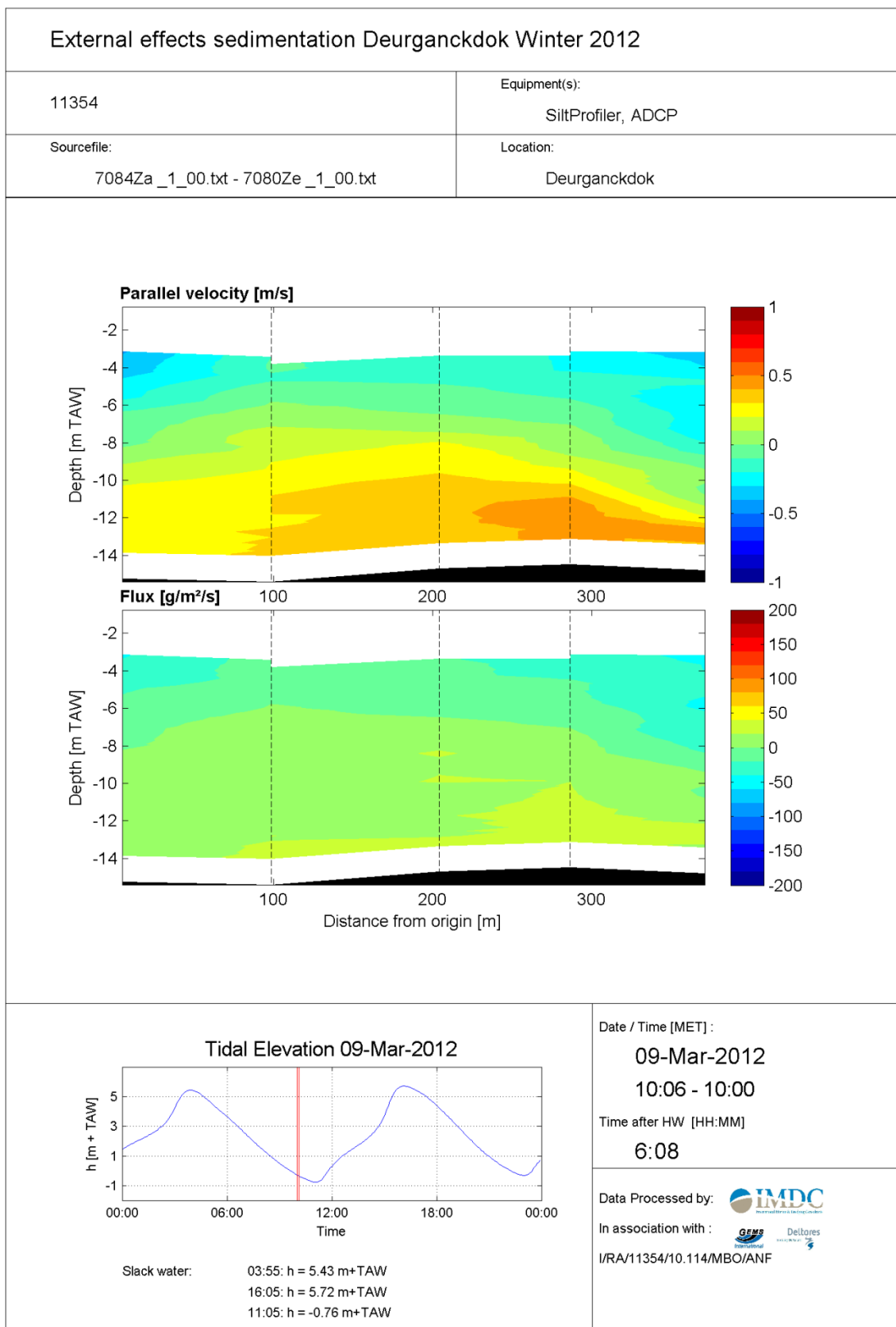


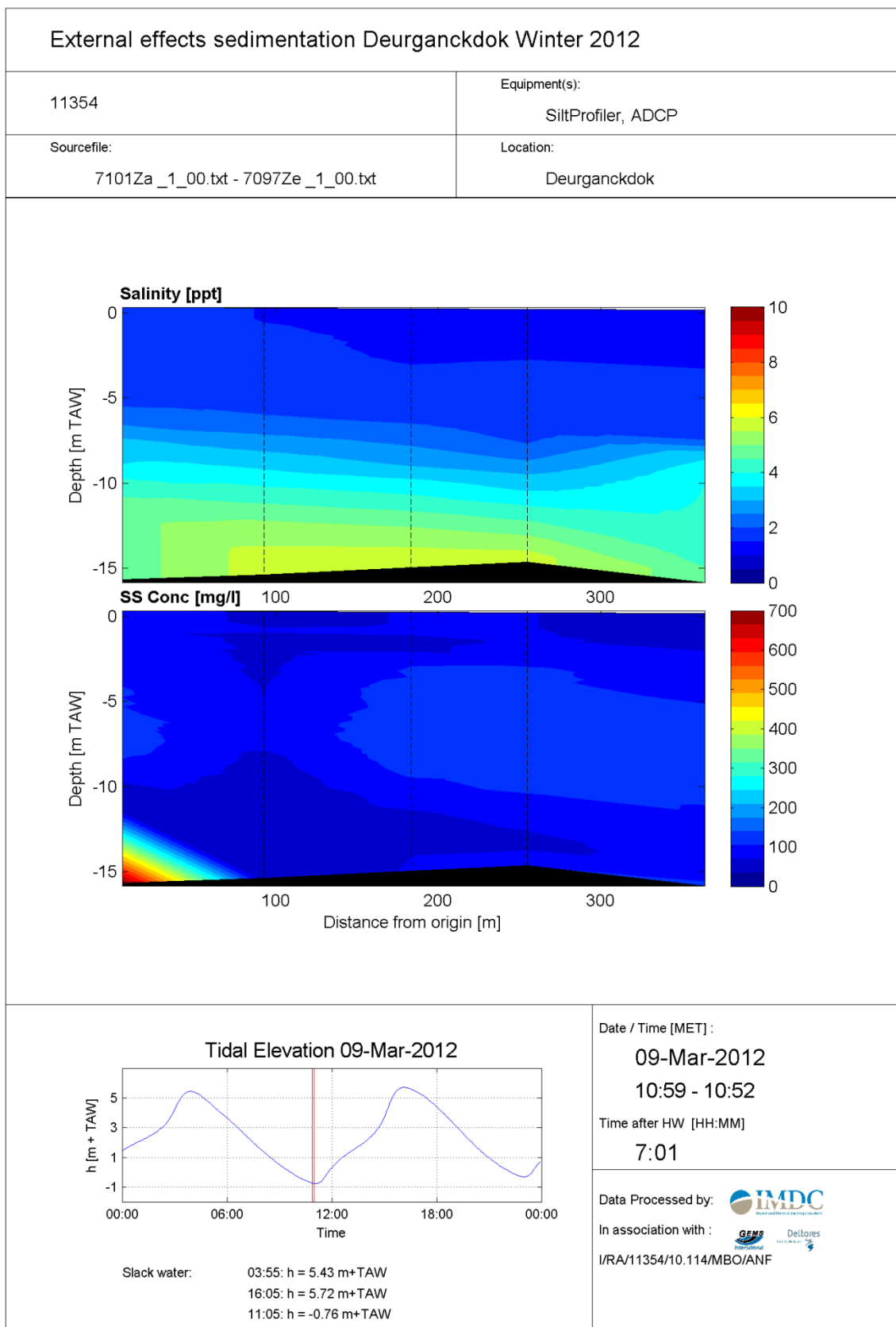


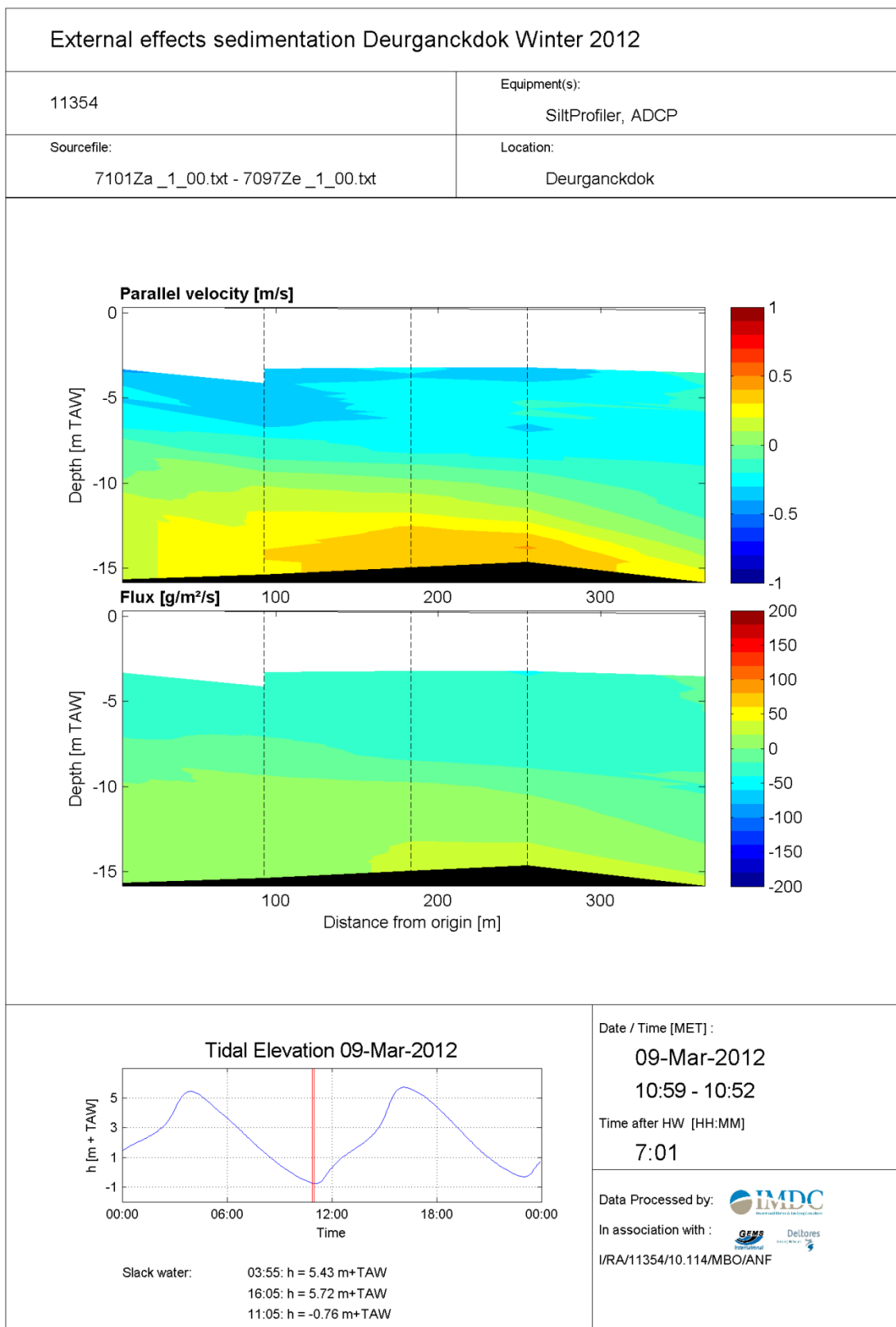


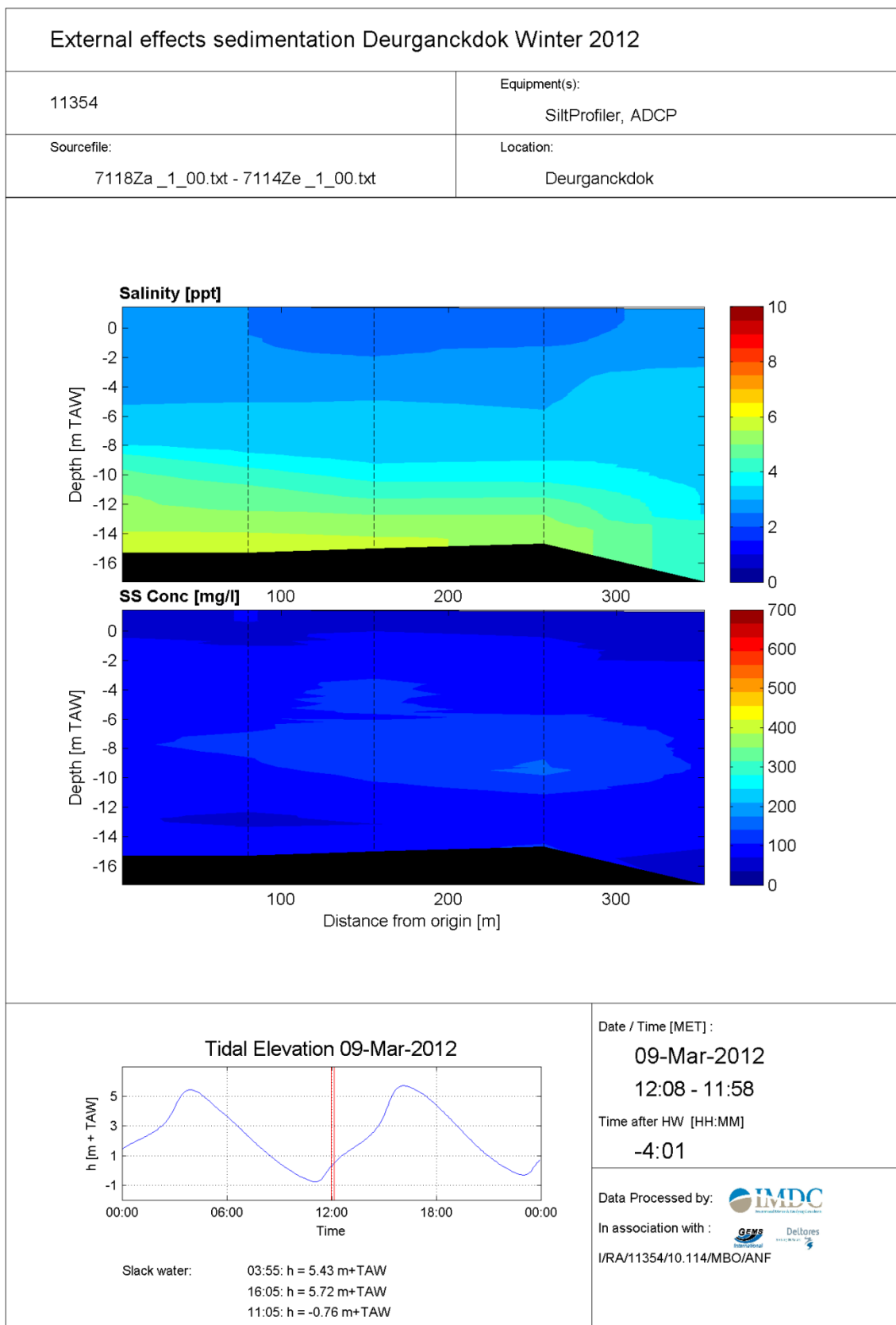


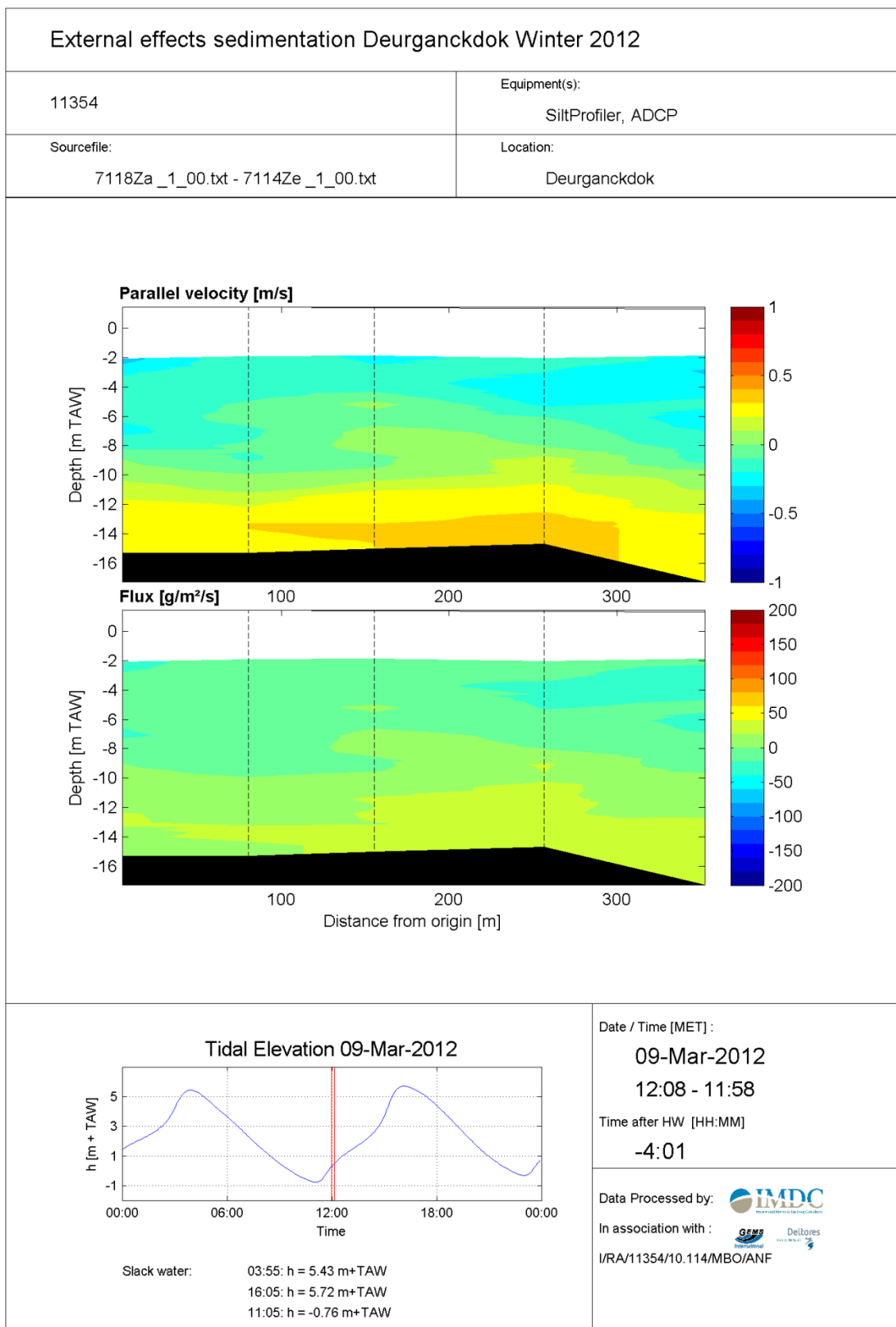


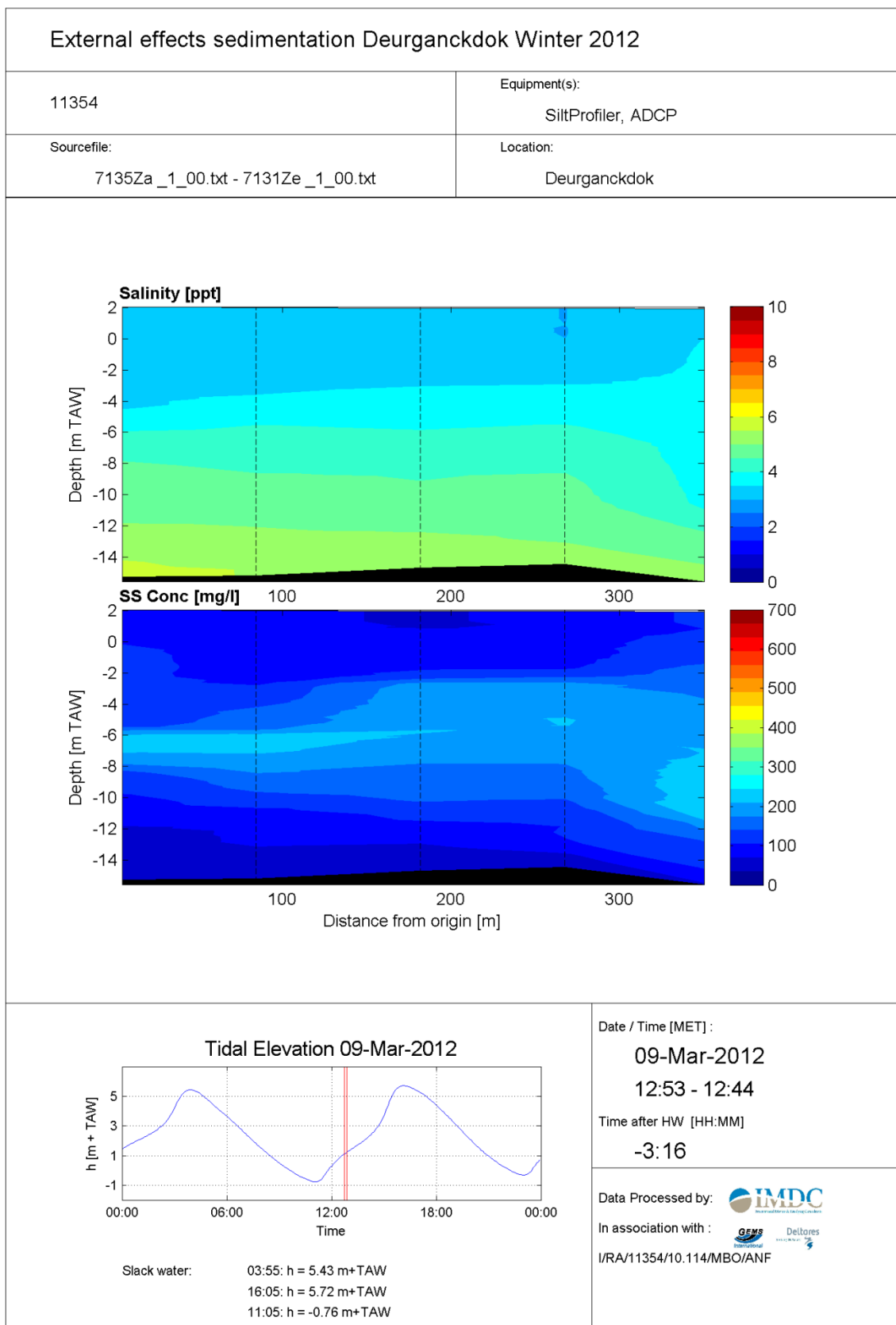


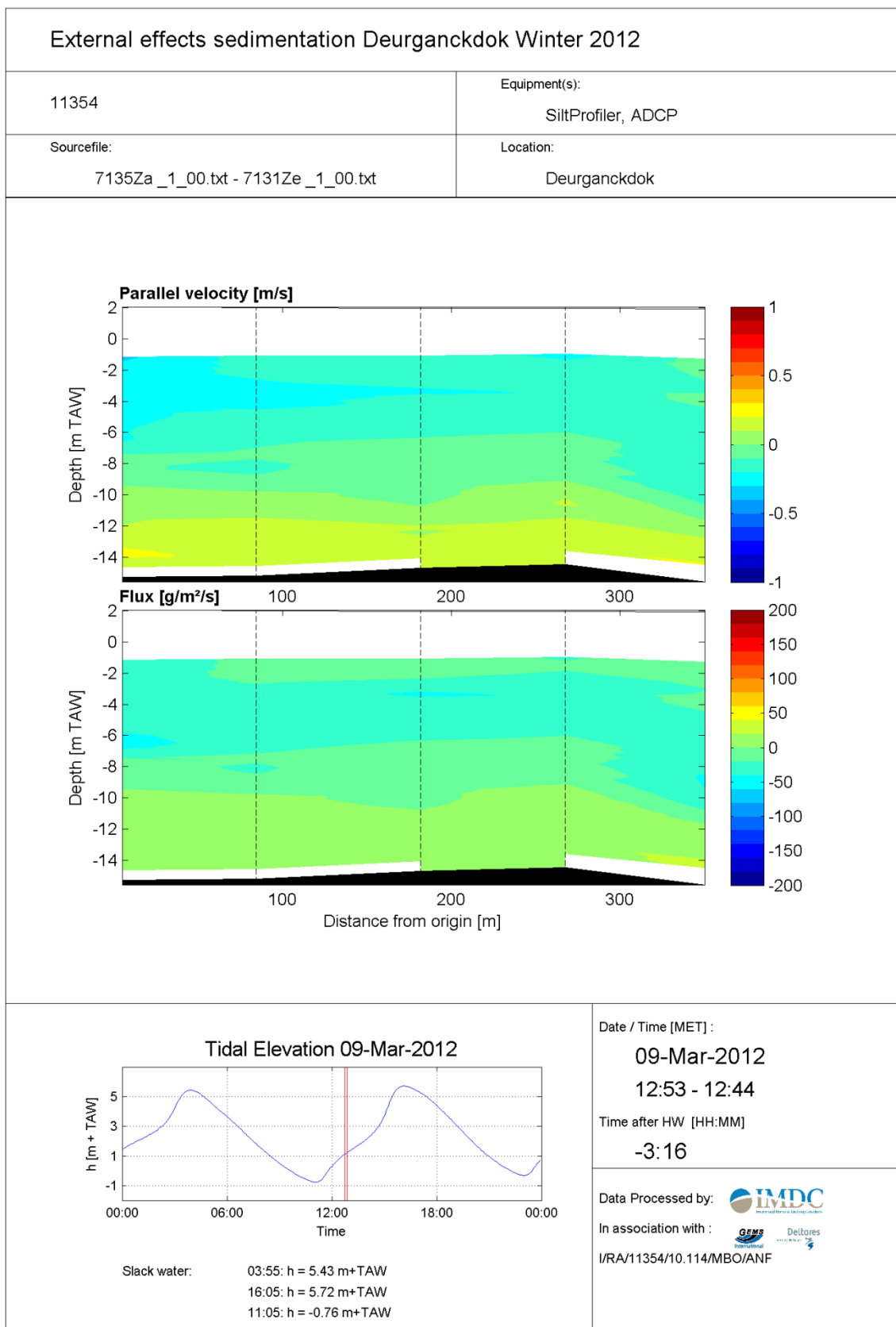


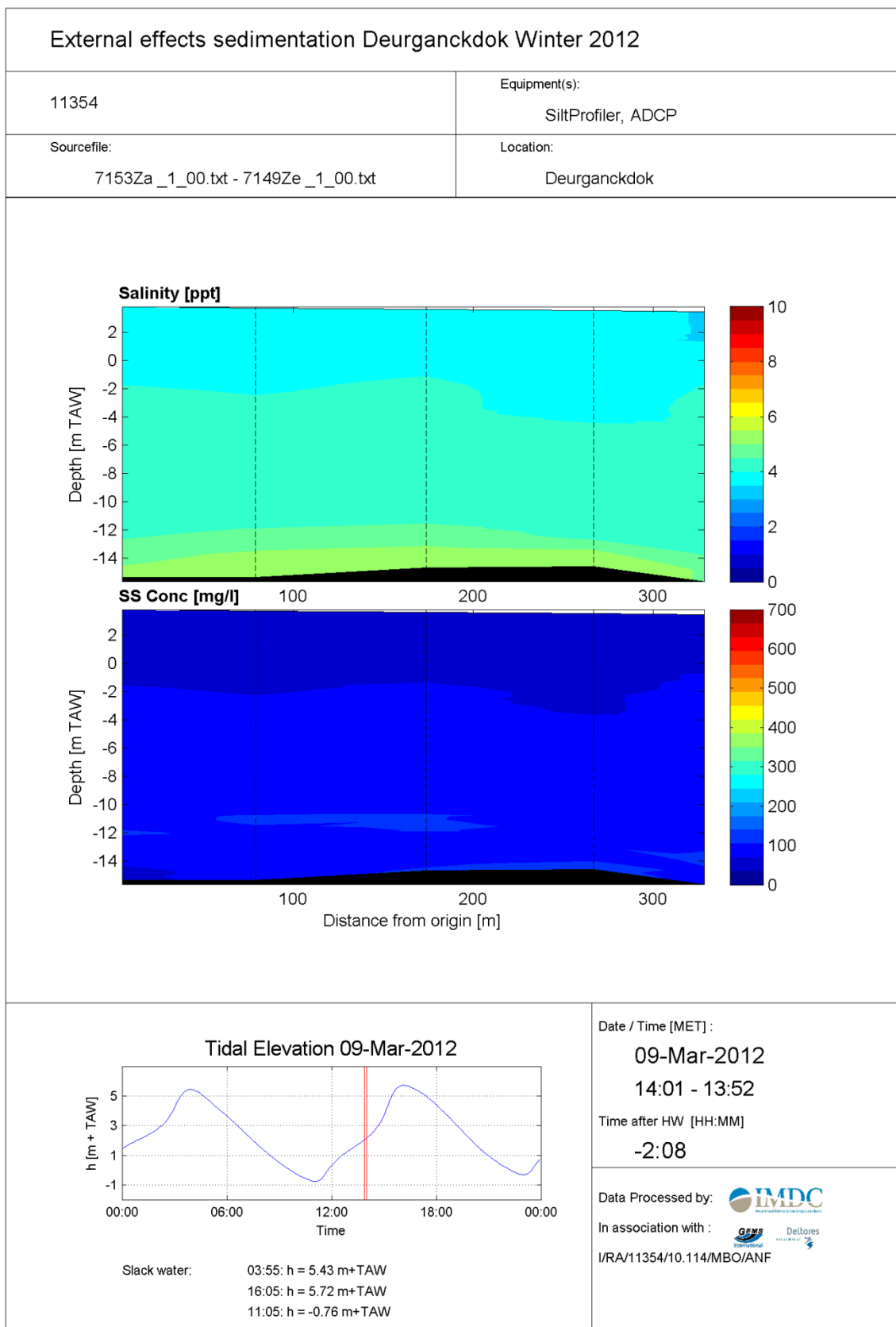


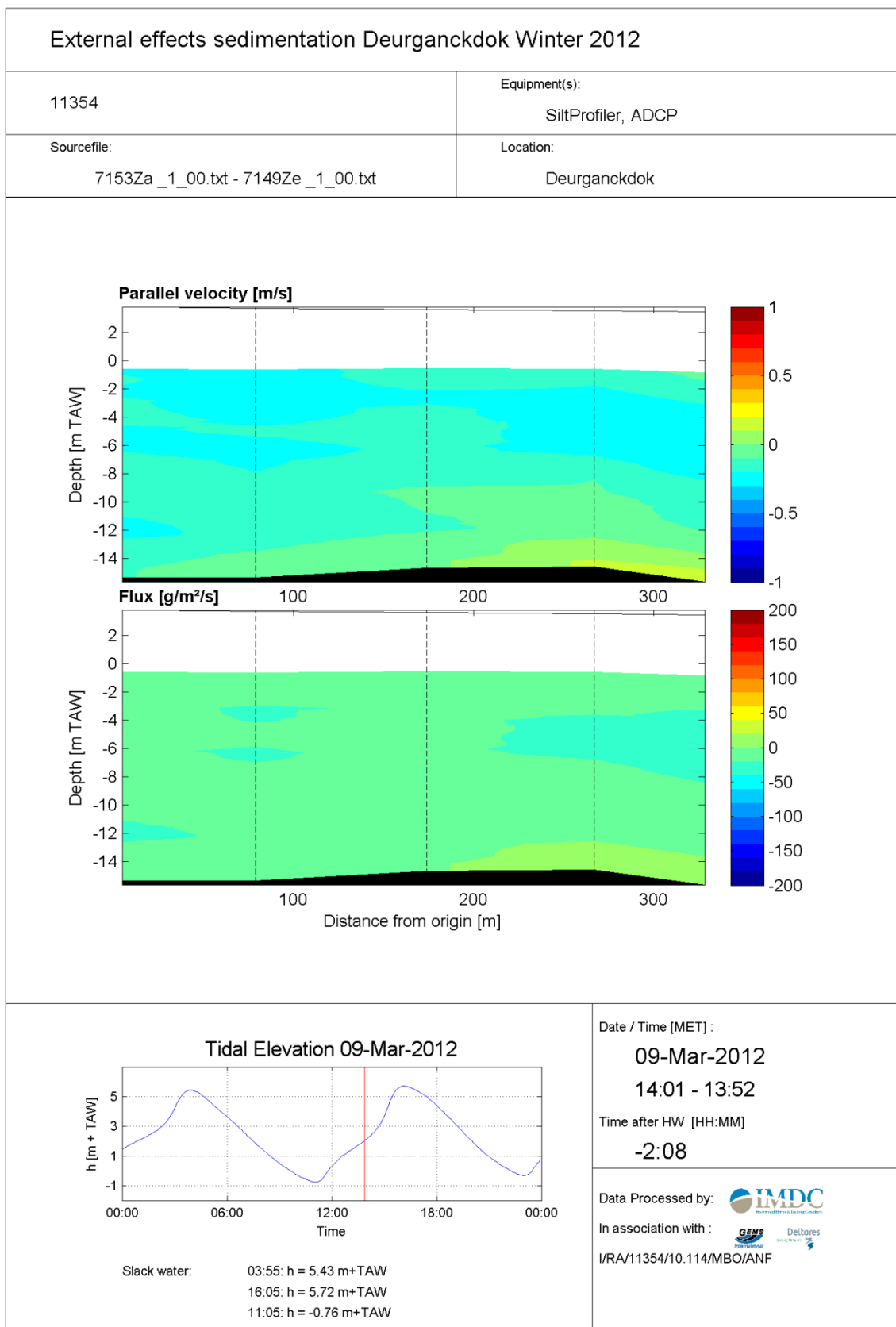


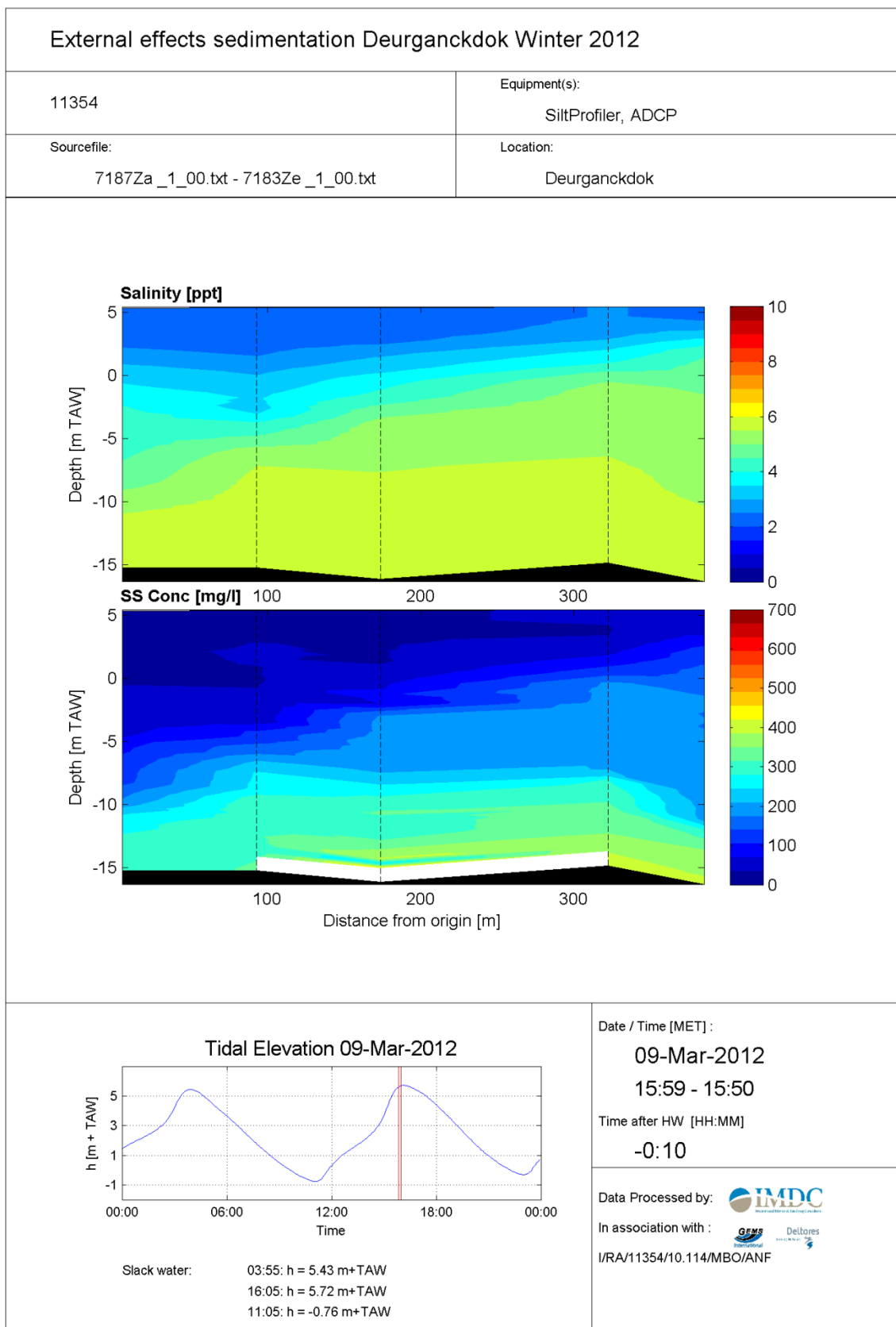


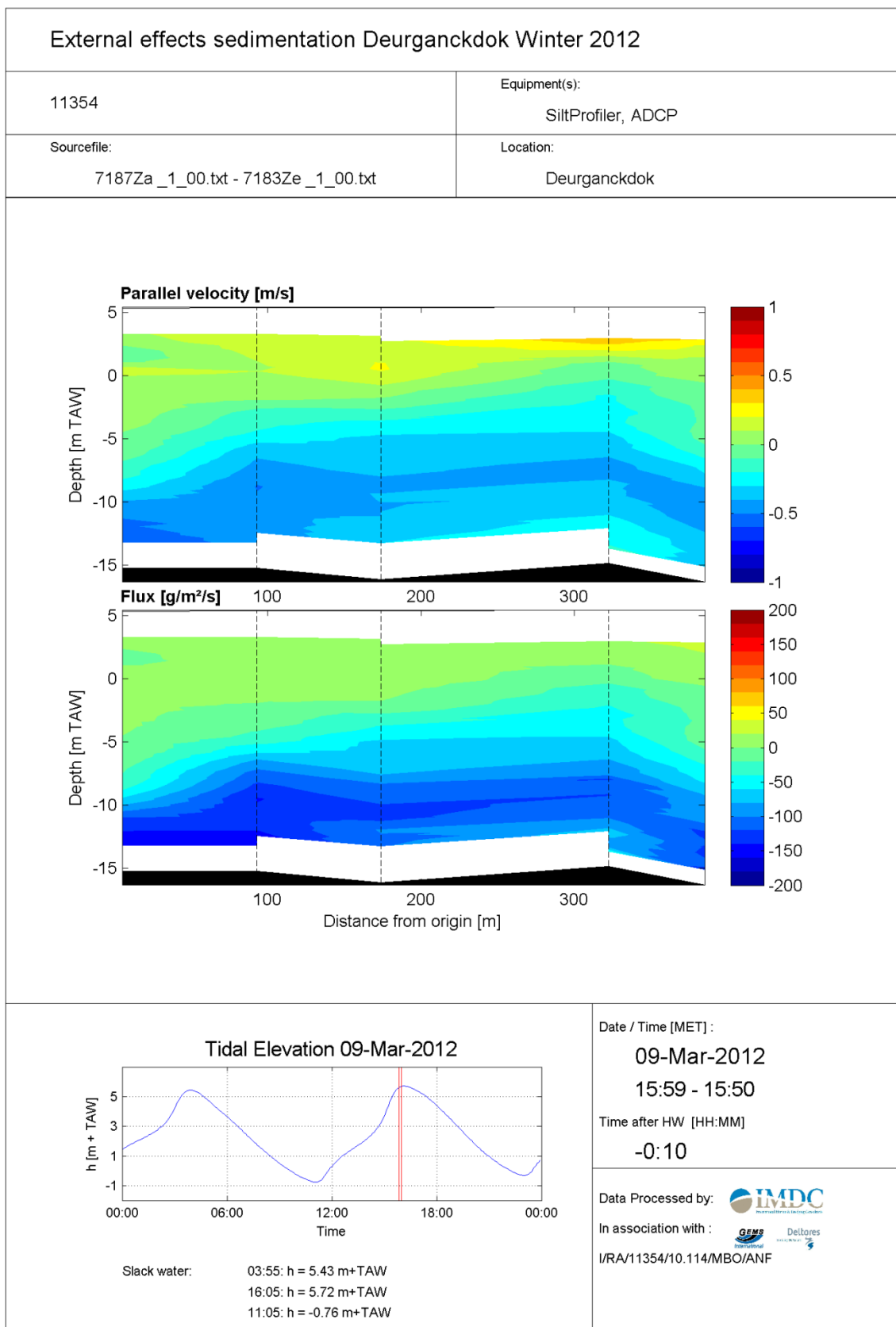


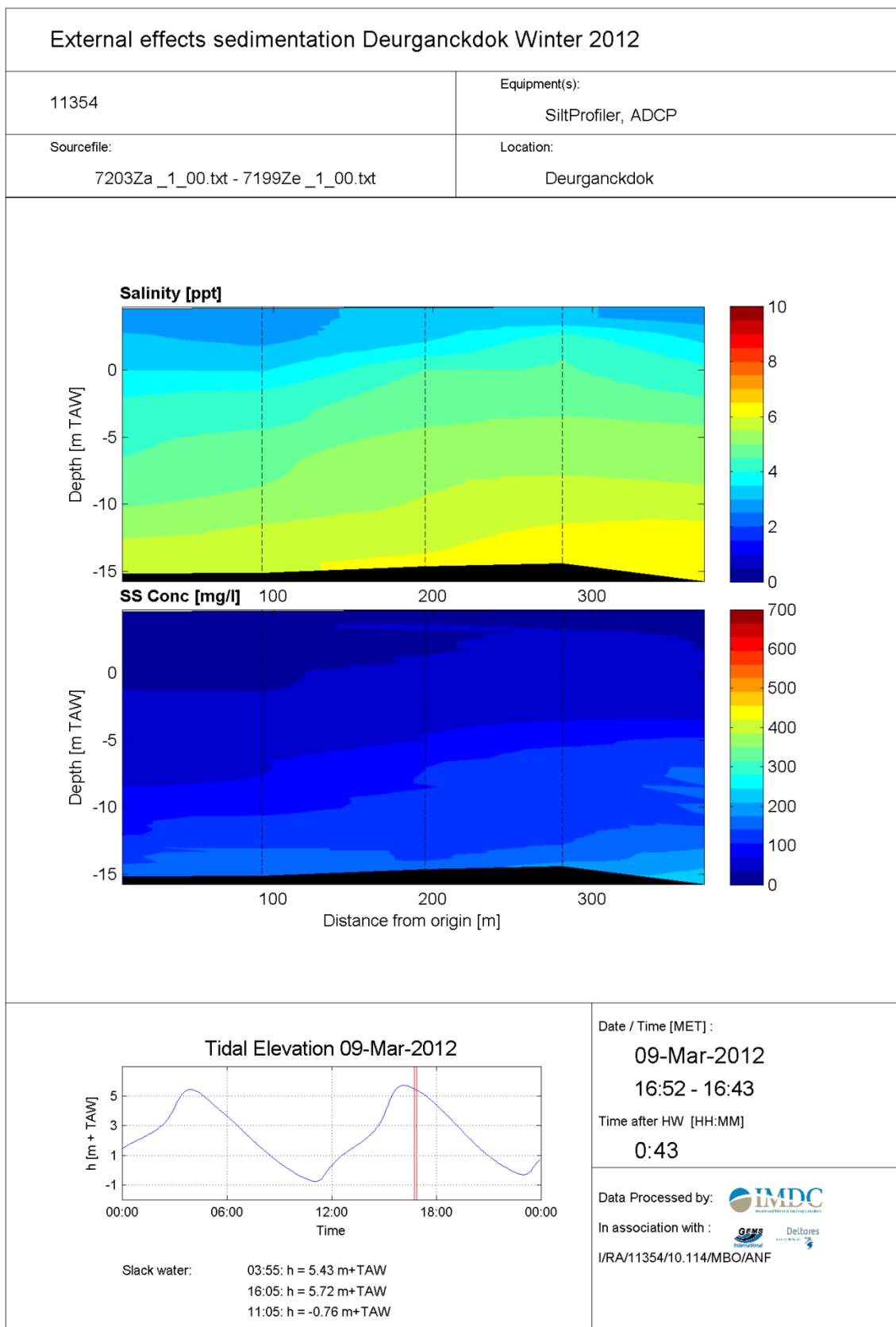


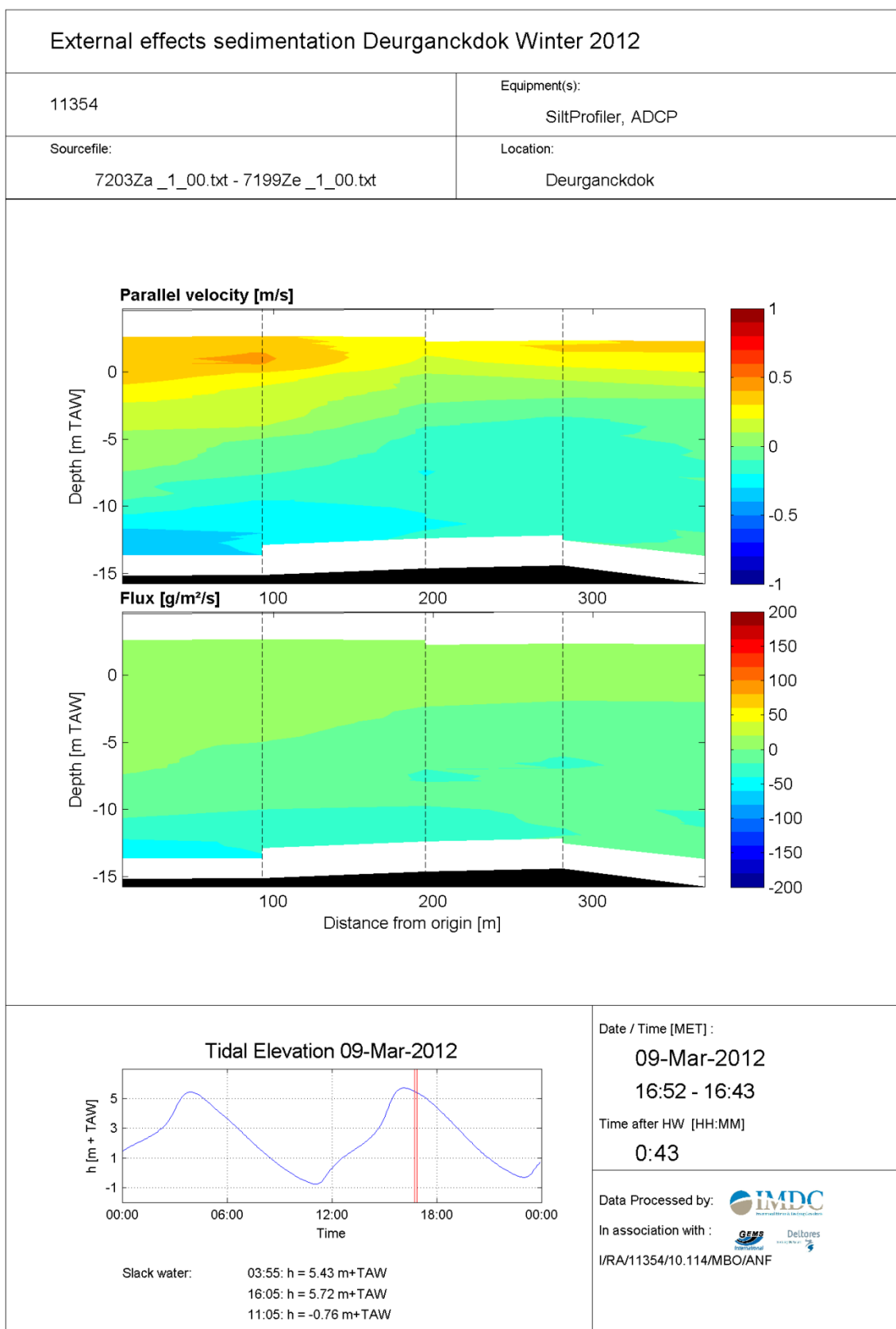


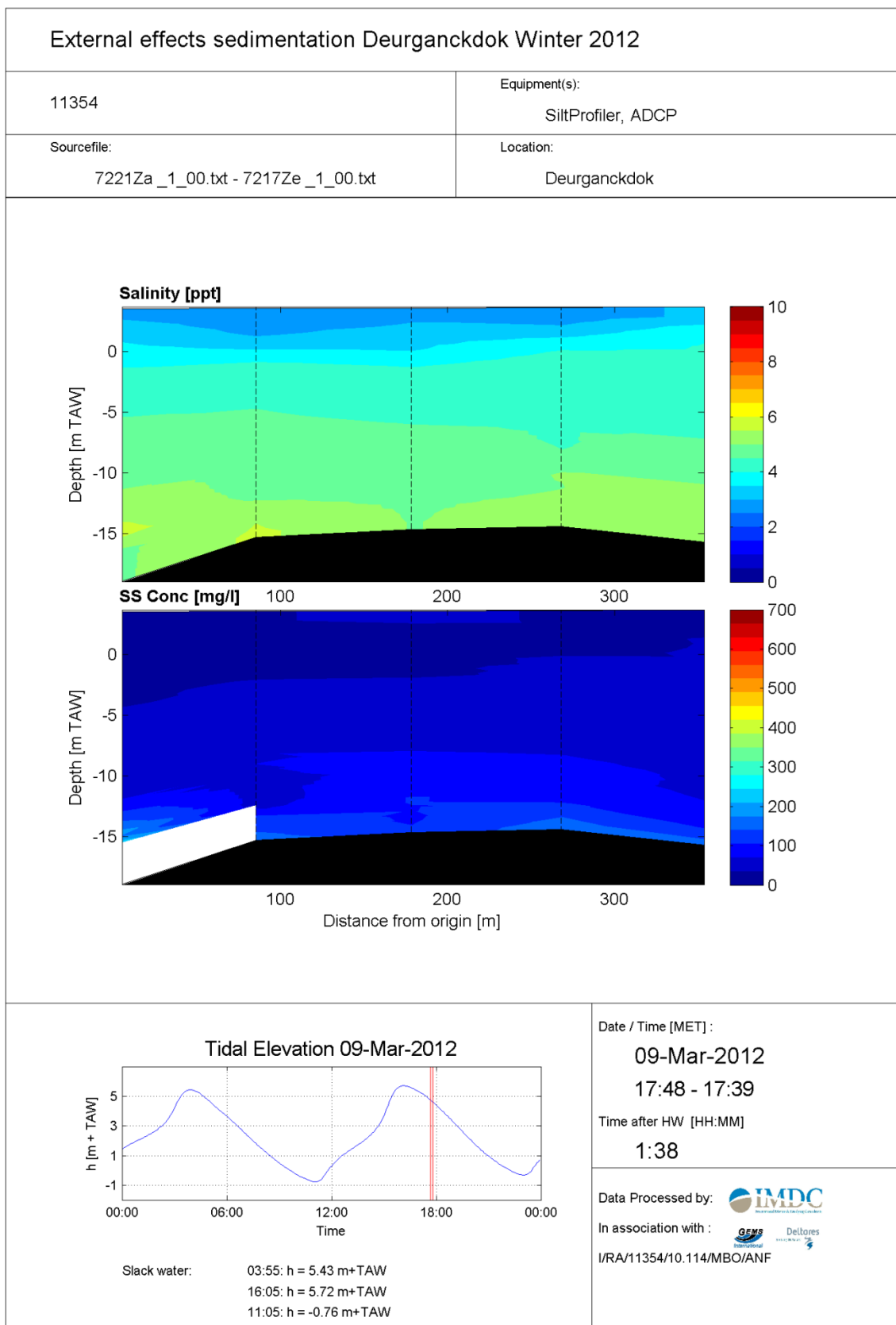


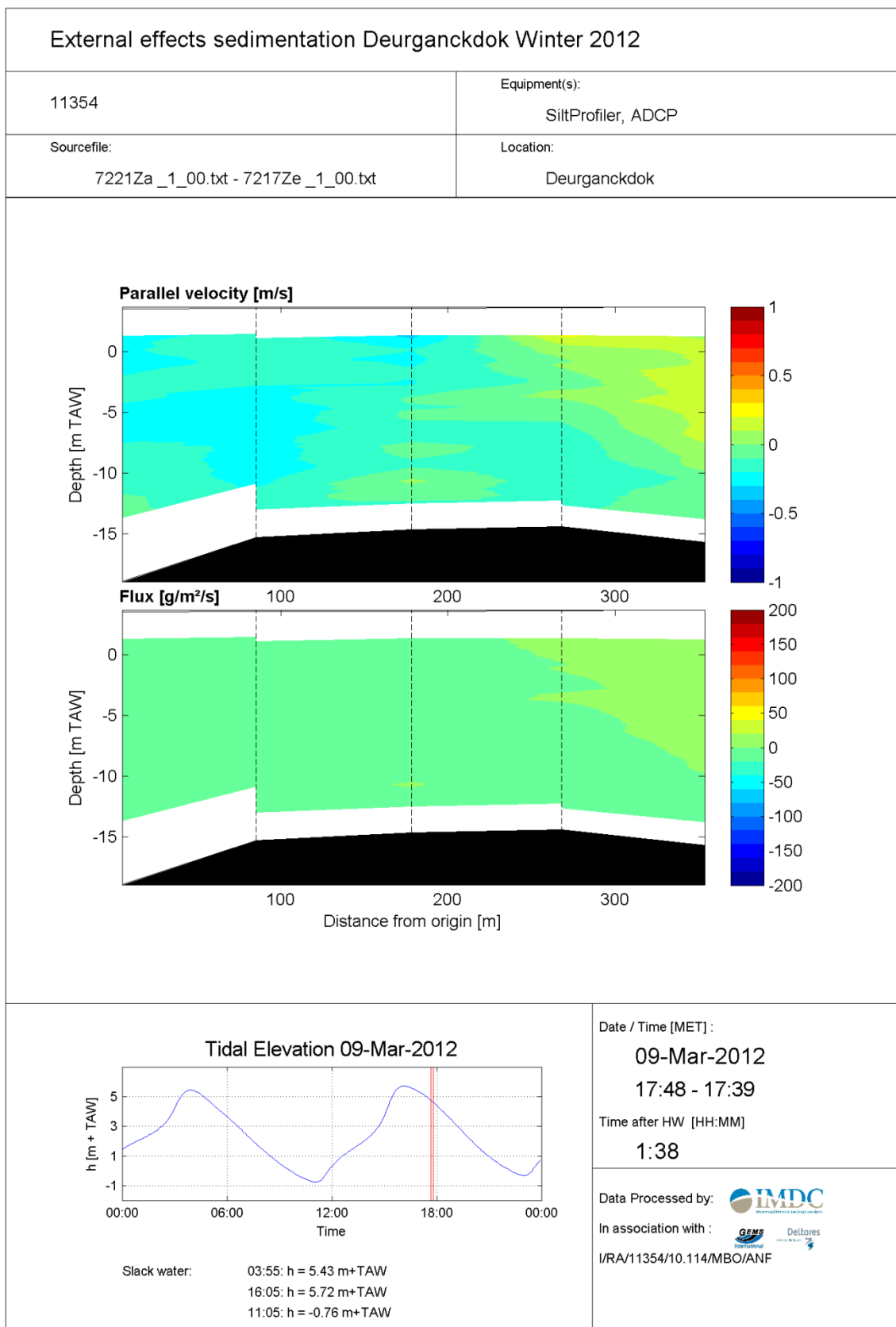


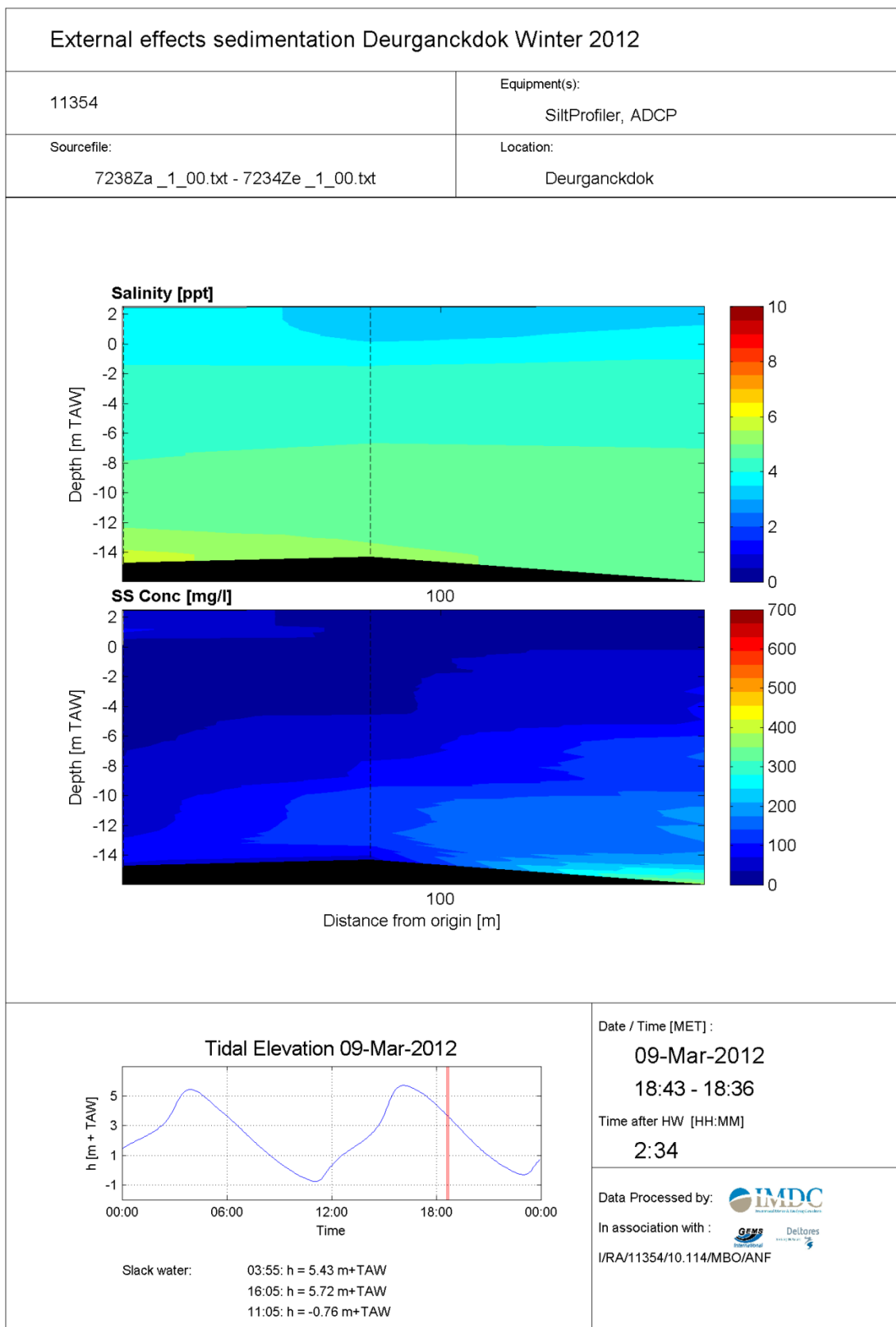


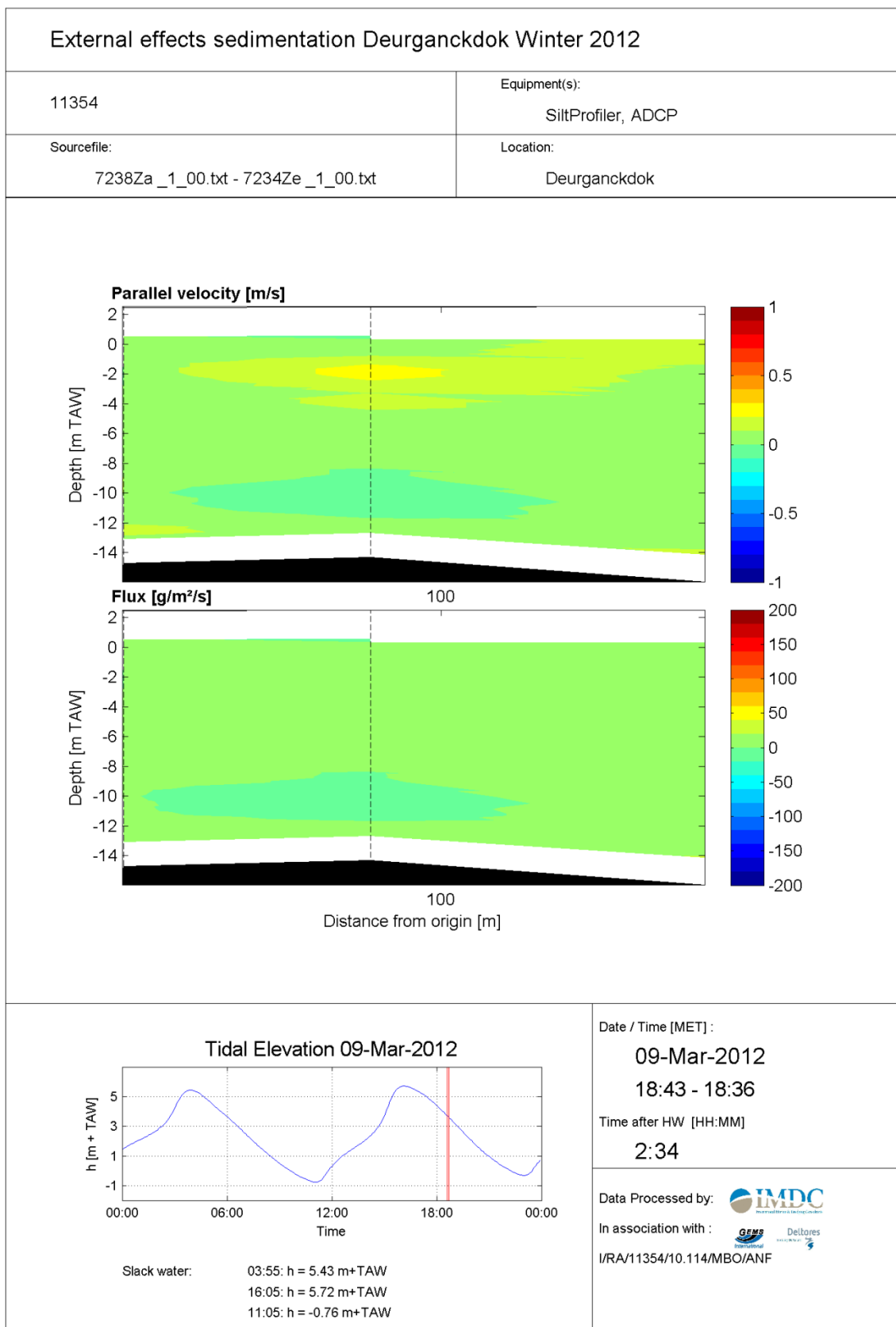


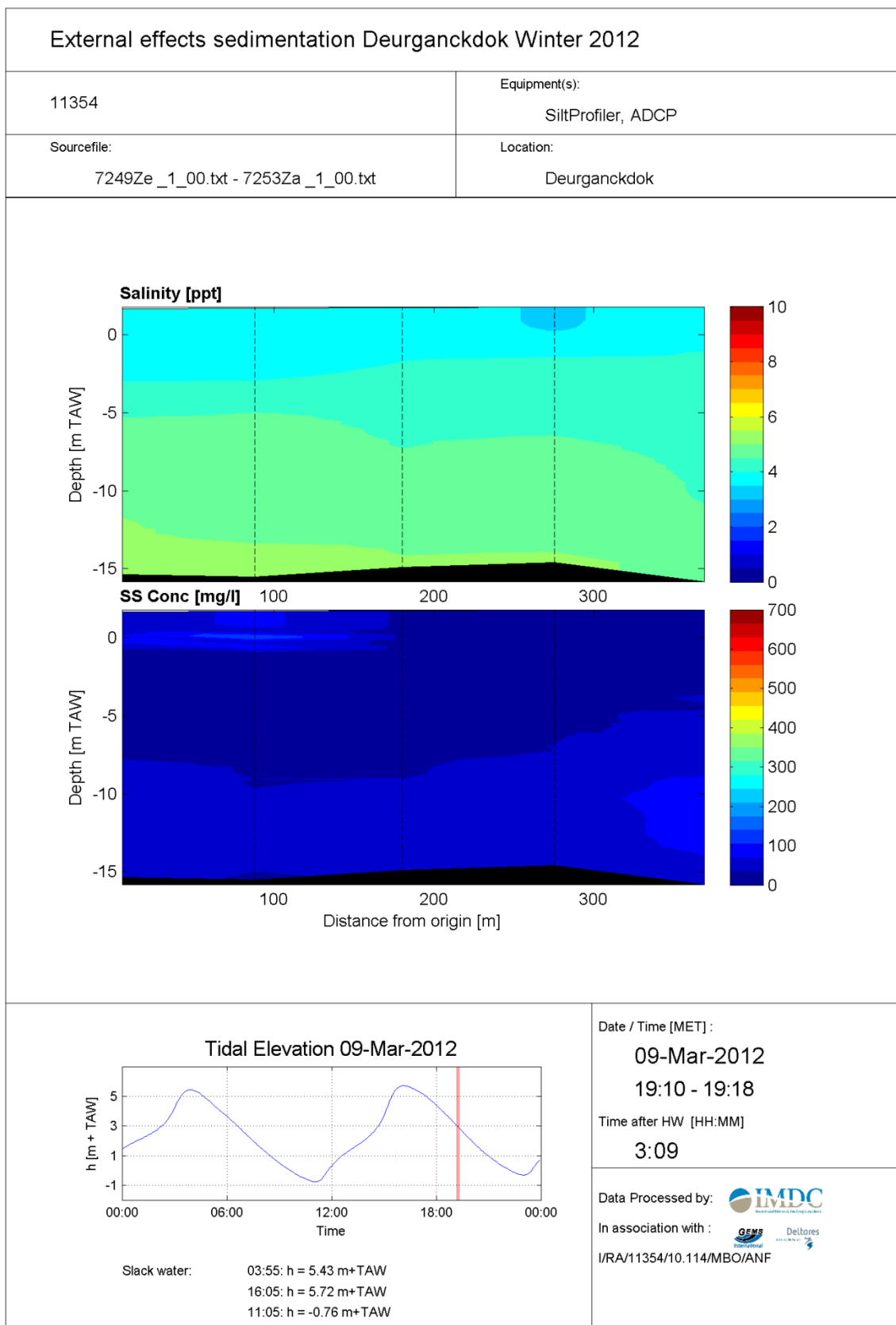


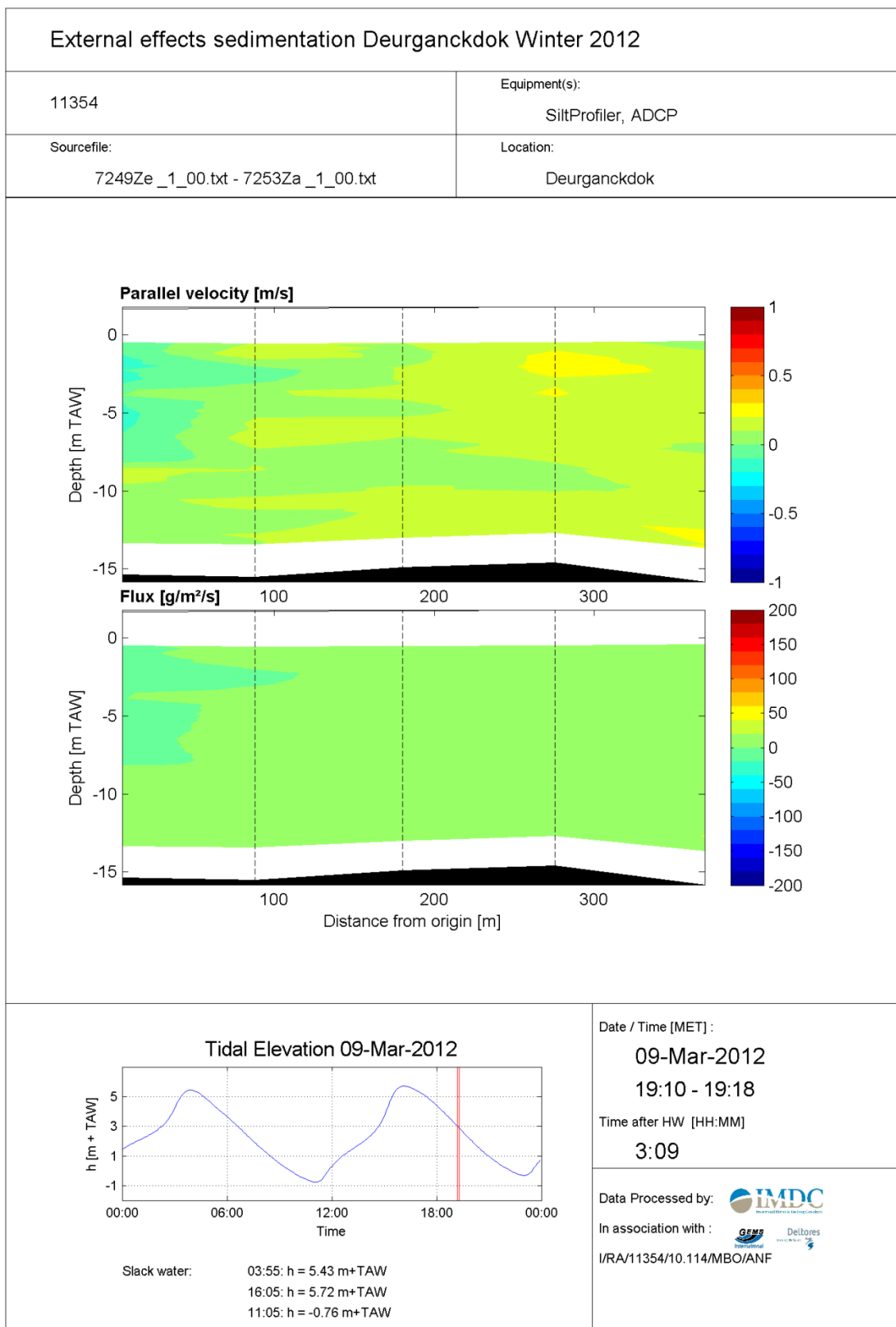












Annex F Overview of HCBS2 and aanslibbing Deurganckdok reports

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)
5.6	Analysis of ambient conditions during 2006 (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)
11.6	Through Tide measurement 26/9 Scheldewacht – Deurganckdok – Salinity

	Distribution (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 2008	
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)
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)	
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	Salinity-Silt distribution & Frame Measurements Deurganckdok 13/3/2006 – 31/05/2006 (I/RA/11283/06.121/MSA)
2.7	Salinity -Silt distribution & Frame Measurements Deurganckdok 15/07/2006 – 31/10/2006 (I/RA/11283/06.122/MSA)
2.8	Salinity-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)
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)

Report Description of Opvolging aanslibbing Deurganckdok between April 2006 till March 2008	
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	Salinity-Silt distribution Deurganckdok summer (21/6/2007 – 30/07/2007) (I/RA/11283/07.092/MSA)
2.17	Salinity-Silt distribution & Frame Measurements Deurganckdok autumn (17/09/2007 - 10/12/2007) (I/RA/11283/07.093/MSA)
2.18	Salinity-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	
3.1	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 conditions: Annual report (I/RA/11283/06.128/MSA)¹
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	
4.1	Analysis of Siltation Processes and Factors, 4/06 – 3/07 (I/RA/11283/06.129/MSA)
4.10	Analysis of Siltation Processes and Factors, 4/07 – 3/08 (I/RA/11283/07.102/MSA)

¹ 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'