



Ministerie van Verkeer en Waterstaat

Directoraat-Generaal Rijkswaterstaat

Presentatie Meetresultaten

Debietmeting Raai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Afdeling Uitvoering
Februari 2010

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1 Algemeen

In het kader van het project Monitoring debietraai IIIb werd op 14 januari 2010 een debietmeting uitgevoerd in de Schaar van Colijnsplaat –Vuilbaard en Roompot.

Deze stroommeting is varend uitgevoerd met behulp van een acoustic doppler current profiler (ADCP). Er is één meetraai gemeten, loopt tussen Colijnsplaat en Zierikzee. Zie bijlage 9 voor een kaart van de meetsituatie.

Er is gedurende 1 dag, 13 uur gemeten voor het bepalen van een eb- en vloeddebiet.

2 Uitvoering

De meetraai is op 14 januari 2010 van 06:32 uur t/m 19:05 uur M.E.T. gemeten.

De meetraai is opgenomen met m.s. Kaloo.

Voor deze meting is gebruik gemaakt van de onderstaande apparatuur:

Stroommeetinstrument : 1200 khz Workhorse ADCP.

Standopnemer : Oktans III.

Gyro : Oktans III.

Plaatsbepaling : LRK Netpos.

Dataverwerking : Laptop

Software : Visea versie 1.

In bijlage 1 staat een overzicht van de uitgevoerde metingen.

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3 Verticaal getij

Het verticaal getij werd bepaald aan de registrerende peilschijver van Stavenisse uit het RMI-meetnet en is grafisch uitgezet tegen de tijd in bijlage 2.

De gemiddelde getijgegevens van STAV staan aangegeven in onderstaande tabel.

Deze gegevens zijn ontleend aan de 'Gemiddelde Getijkromme 1991.0' uitgegeven door RIKZ (Rijksinstituut voor Kust en Zee).

Waterstanden in meters t.o.v. N.A.P.			
Getij	h.w.	l.w.	Getijverschil in m
Gemiddeld springtij	1.80	-1.42	3.22
Gemiddeld getij	1.58	-1.39	2.97
Gemiddeld doottij	1.30	-1.26	2.56

Opgetreden getij station STAV				
datum	m.e.t.	hoogte in meters	tijverschil in meters	getijcoëfficiënt t.o.v. gemiddeld getij
14-01-2010	03.00	1.31		
14-01-2010	09.00	-1.45	eb 2.76	0.92929
14-01-2010	15.25	1.54	vloed 2.99	1.00673
14-01-2010	21.20	-1.30	eb 2.84	0.95623

In deze bijlage 2 is tevens een tabel opgenomen met berekende waterstanden op lokaties in het midden van de raai

4 Weersomstandigheden

Tijdens de meting zijn er windgegevens gemeten te Stavenisse. Op 14-01-2010 was er een zwakke wind, 1 a 2 beaufort uit oost-zuidoostelijke richting.

In bijlage 3 is een grafiek gepresenteerd met de getij- en windgegevens van Stavenisse op 14 januari 2010.

5 Verwerking en presentatie

De validatie en presentatie van de ADCP gegevens is uitgevoerd met de Visa programmatuur ontwikkeld door onderafdeling TOW.

Tijdens de validatie zijn de meetgegevens gecontroleerd, eventuele foute meetwaarden zijn hierbij verwijderd.

Na validatie zijn de meetgegevens op de volgende manier gepresenteerd:

- Er is uit één raai een overzicht samengesteld van alle gemeten transects, waarbij stroomsnelheden en –richtingen zijn gepresenteerd in het dwarsprofiel. Per bladzijde zijn maximaal 5 transects gepresenteerd, de snelheden zijn gerelateerd aan de gemeten richtingen. Het tijdvak waarbinnen de betreffende tracks zijn opgenomen is met een blauwe balk aangegeven in de verval grafiek onderaan de betreffende pagina. De overzichten van de gevaren tracks zijn bijgevoegd in bijlage 4.
- Per transect zijn de gemeten stroomsnelheden gepresenteerd. De kleurenschaal is per transect aangepast. In dezelfde presentatie zijn de gemiddelde stroomsnelheid in de vertikaal over het gemeten transect, de debiet- en stroomsnelheidsverdeling over het transect alsmede het gevaren traject langs de meetraai gepresenteerd. Het tijdvak waarbinnen de betreffende opname is uitgevoerd, is met een blauwe balk aangegeven in de grafiek links onderaan de pagina.
De presentaties zijn bijgevoegd in de bijlagen 5.
- Per transect zijn nogmaals de ontbonden snelheden loodrecht en evenwijdig aan de meetraai gepresenteerd, aangevuld met de vertikaal gemeten snelheden. De kleurschaal is per grafiek aangepast. De presentaties zijn bijgevoegd in de bijlagen 6.
- In bijlage 7 staan de gemeten debieten van de verschillende transects grafisch uitgezet tegen de tijd. Uit deze kromme worden tevens om de 10 minuten debietwaarden berekend. Deze staan in de tabel boven de betreffende grafiek.

N.B. In alle presentaties zijn de "grijze vlekken" of niet gemeten, of als foute waarnemingen verwijderd. In de debietberekening worden de stroomsnelheden en -richtingen op de plaats van deze "vlekken" door middel van interpolatie bepaald. De stroomsnelheden ter plaatse van de grijze gebieden boven en onderaan de verticalen worden door middel van extrapolatie bepaald.

6 Bijlagen

1. Tabel overzicht metingen.
2. Getij en verval.
3. Getij en wind te Stavenisse.
4. Overzicht stroomsnelheden en richtingen raai IIIb
5. Gemeten gegevens raai IIIb
6. Ontbonden gegevens raai IIIb
7. Profiel.
8. Debiet
9. Presentatie meetgebied.

Bijlage 1

Tabel overzicht metingen

Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Overzicht gevaren tracks raai IIIb Colijnsplaat - Zierikzee

ADCP file Nummer	Eb / Vloed /Kentering	Begintijd (M.E.T.)	Eindtijd (M.E.T.)	Koers (deg.)	Vaarsnelheid (knt)	Geluidssnelheid (M/s)
1	eb	06:32	06:52	303	3-4	1452
8	eb	08:59	09:18	303		
9	vloed	09:19	09:40	123		
24	vloed	14:45	15:04	123		
25	eb	15:13	15:32	303		1454
36	eb	19:05	19:25	303	3-4	1454

Bijlage 2

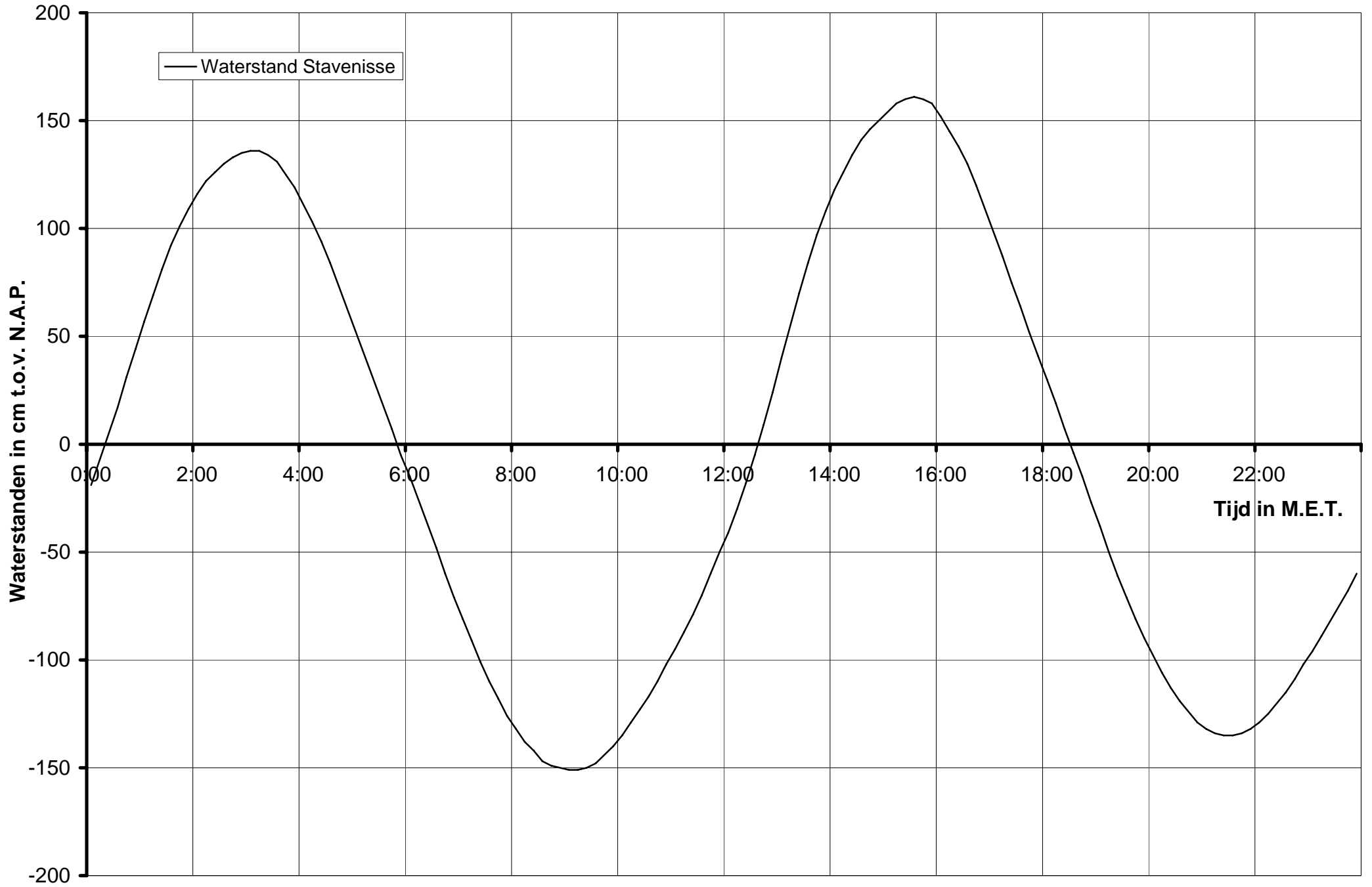
Getij en verval

Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Getij te Stavenisse op 14-01-2010



Berekende waterstanden uit Lokatie Stavenisse

waterstanden Lokatie (9999) uit WTr2 STAV
x= 50180. y= 404130.

		0	10	20	30	40	50
20100114	0000	-12	-1	10	23	36	49
	0100	61	72	83	93	101	108
	0200	114	119	123	126	129	130
	0300	131	130	127	123	117	110
	0400	103	95	85	75	65	54
	0500	44	33	22	12	1	-10
	0600	-20	-30	-41	-52	-63	-73
	0700	-83	-92	-101	-109	-117	-124
	0800	-130	-134	-139	-142	-143	-145
	0900	-145	-145	-143	-140	-136	-132
	1000	-127	-121	-115	-109	-102	-95
	1100	-87	-80	-72	-62	-53	-44
	1200	-34	-23	-11	2	16	31
	1300	46	60	74	87	99	109
	1400	117	125	132	138	142	146
	1500	150	153	154	154	153	149
	1600	142	136	129	120	110	99
	1700	89	78	67	55	45	34
	1800	24	12	1	-9	-20	-31
	1900	-42	-53	-63	-73	-82	-90
	2000	-98	-105	-111	-117	-122	-125
	2100	-128	-129	-130	-129	-128	-125
	2200	-122	-118	-113	-108	-101	-95
	2300	-89	-82	-75	-69	-61	-54

Bijlage 3

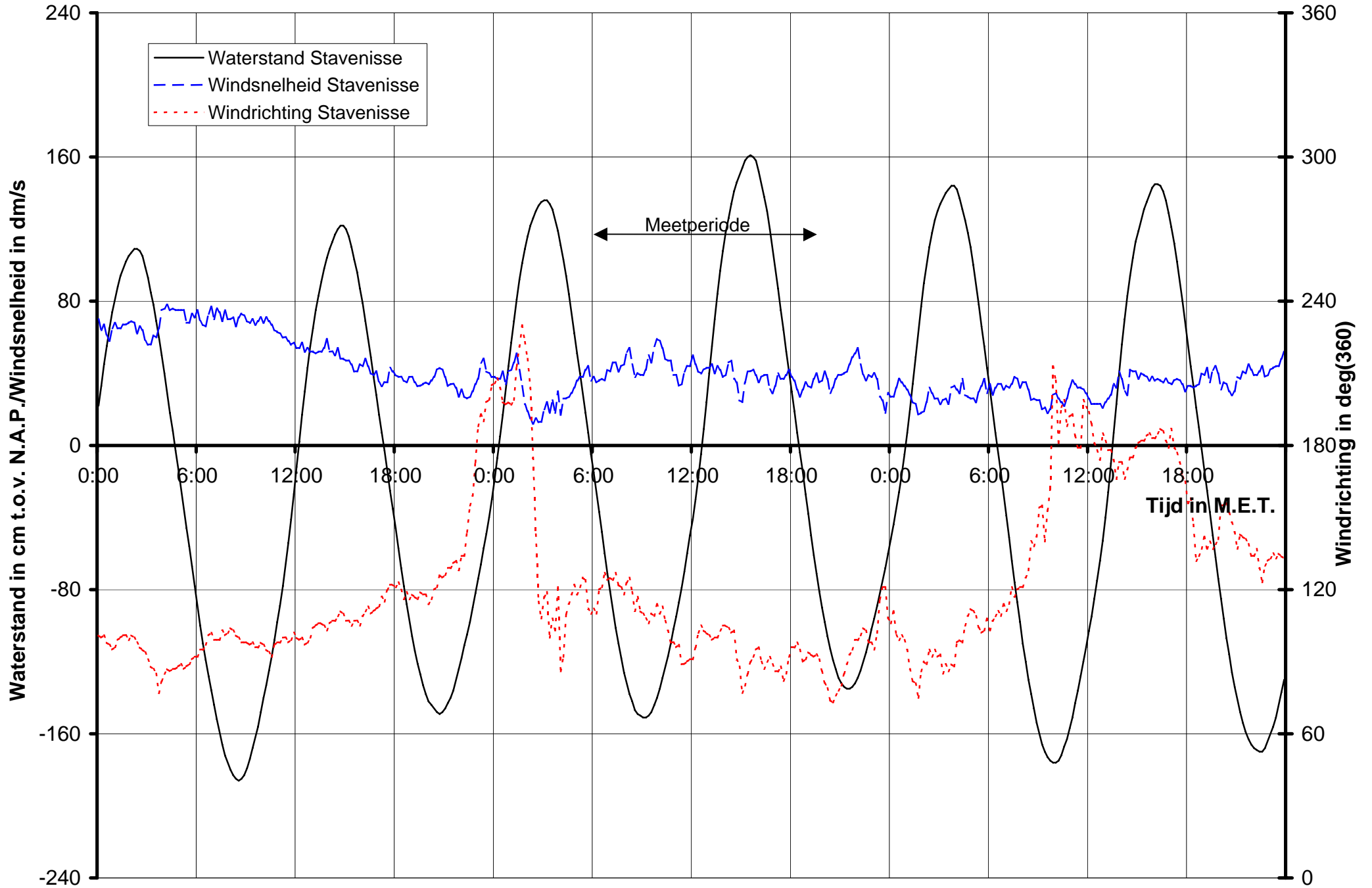
Getij en Wind te Stavenisse

Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Getij- en windgegevens te Stavenisse van 13 t/m 15-01-2010



Bijlage 4

Overzicht stroomsnelheden en richtingen raai

Debietraai IIIb Oosterschelde

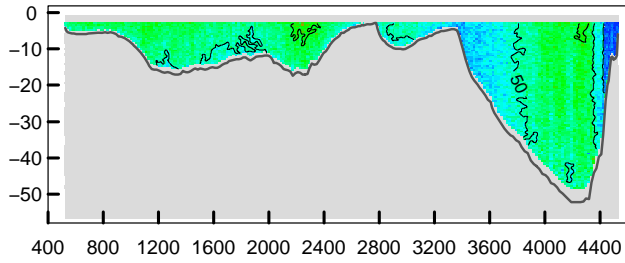
2202m1001

Notitie: ZLMD-10.N.002

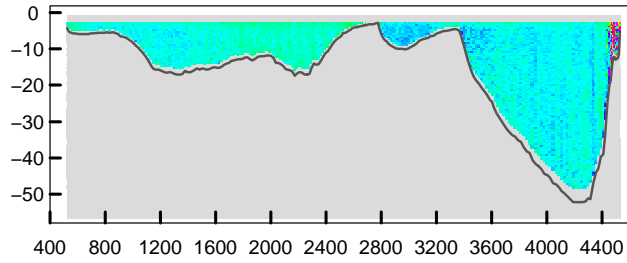
Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

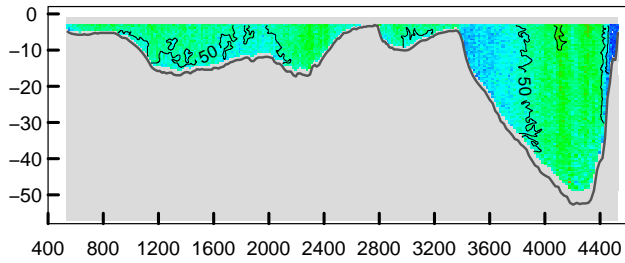
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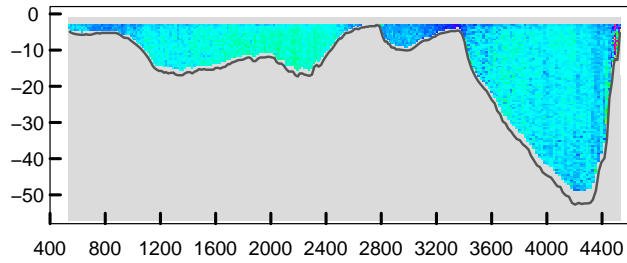
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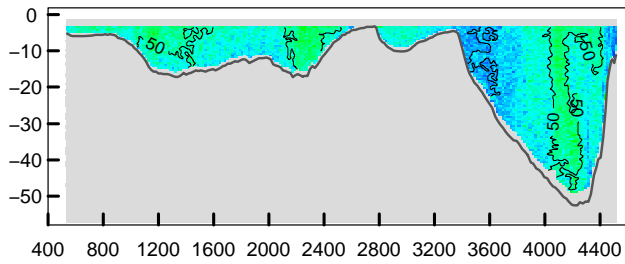
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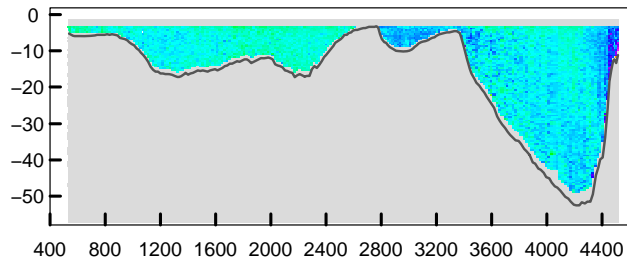
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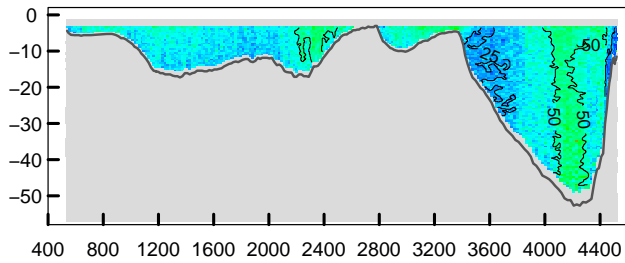
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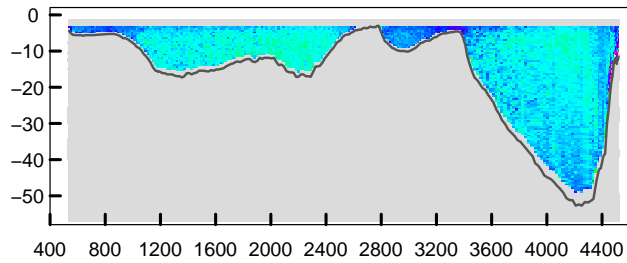
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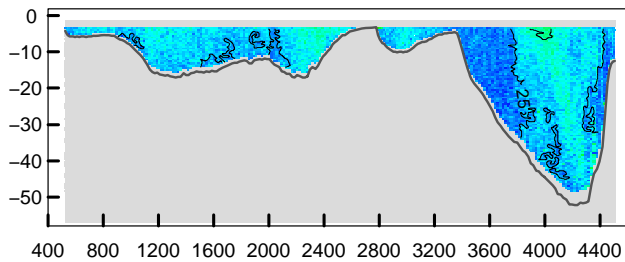
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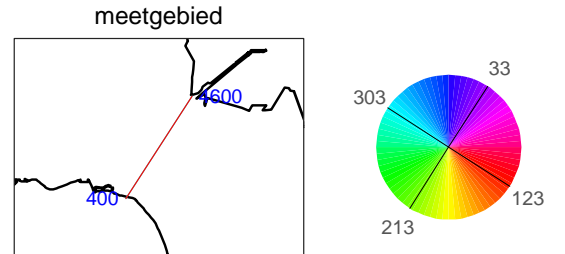
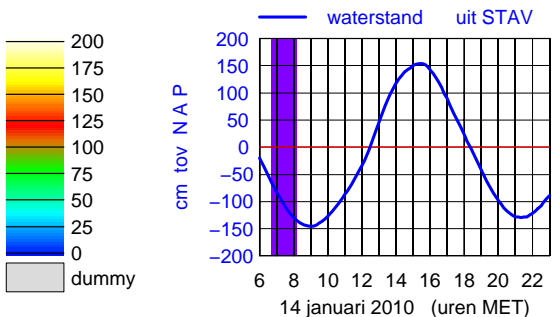
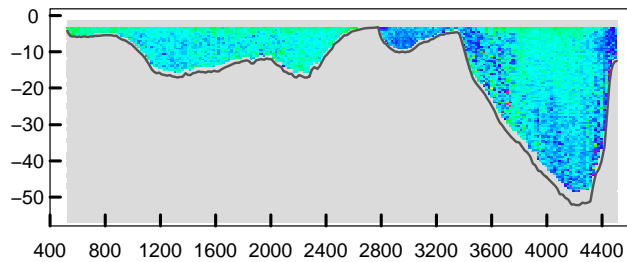
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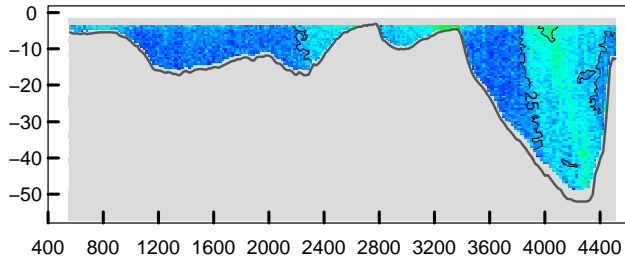


Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

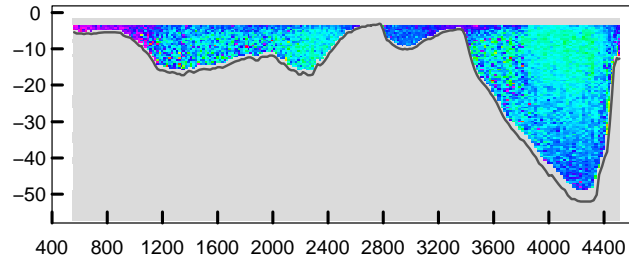
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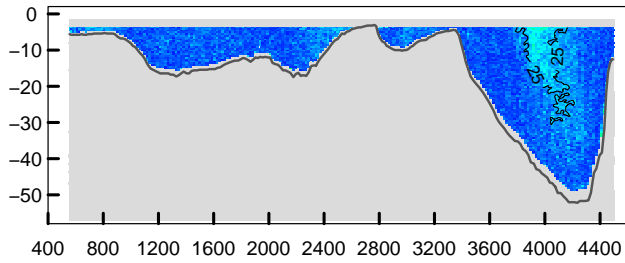
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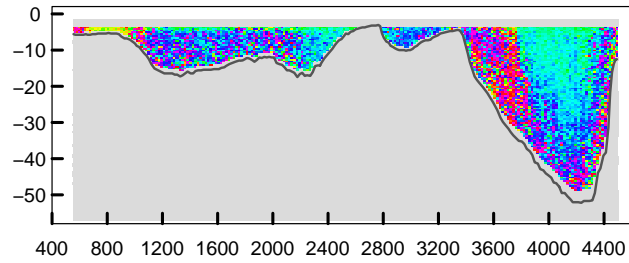
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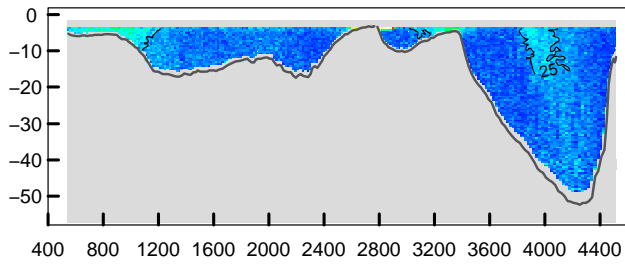
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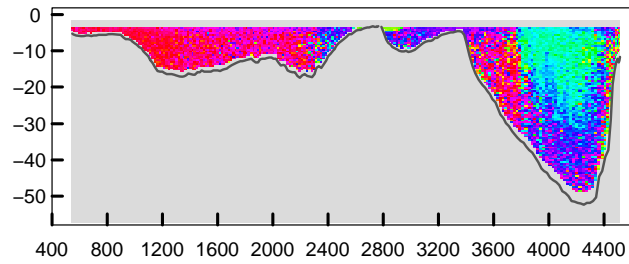
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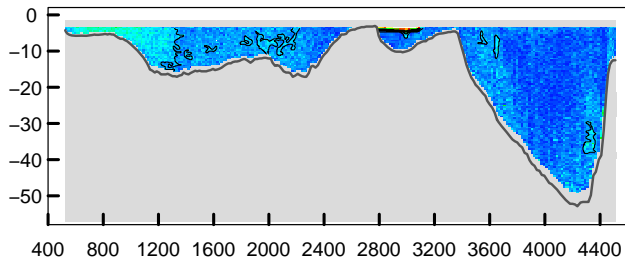
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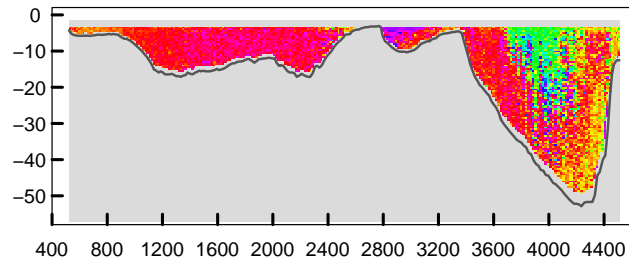
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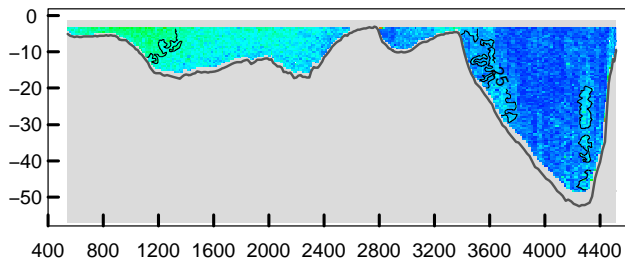
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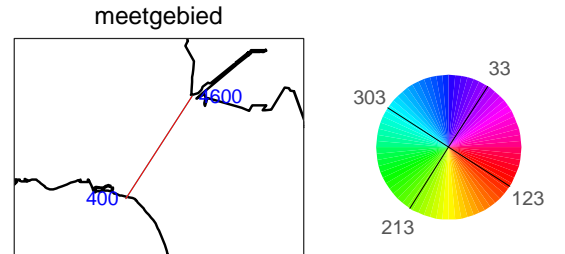
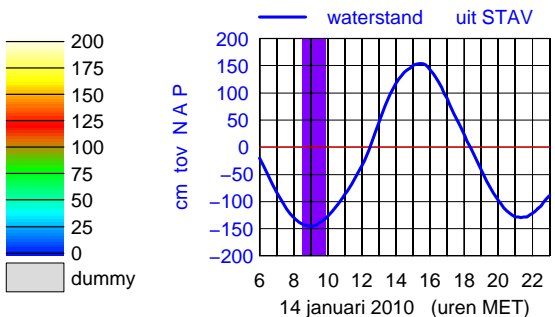
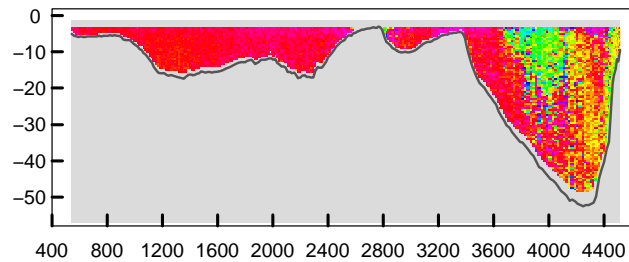
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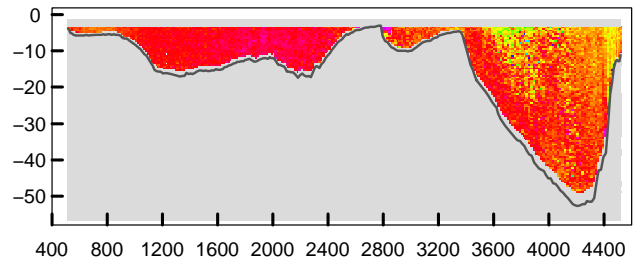
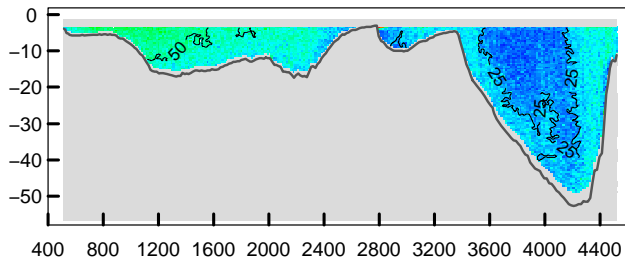


Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

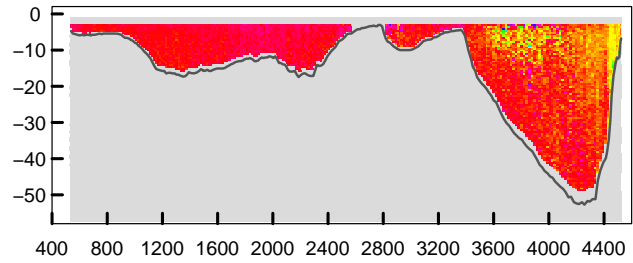
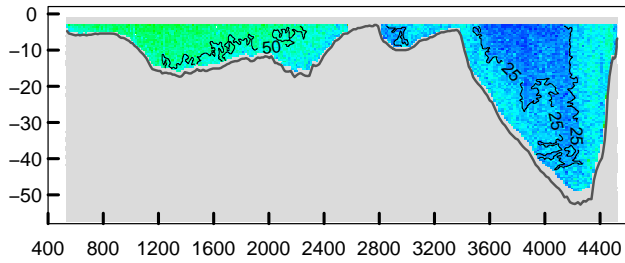
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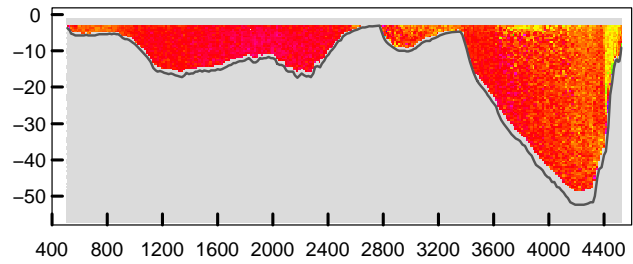
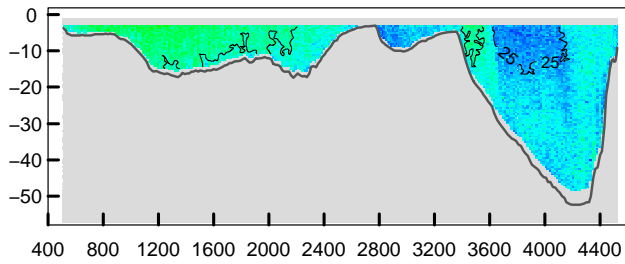
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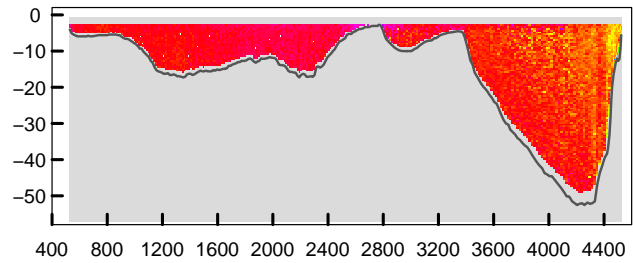
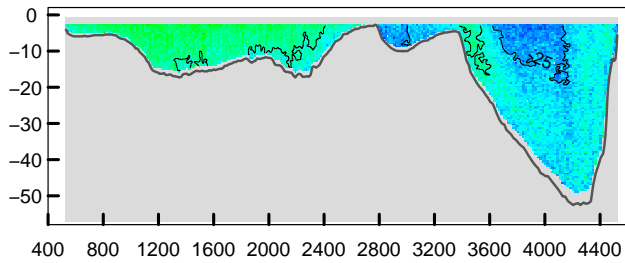
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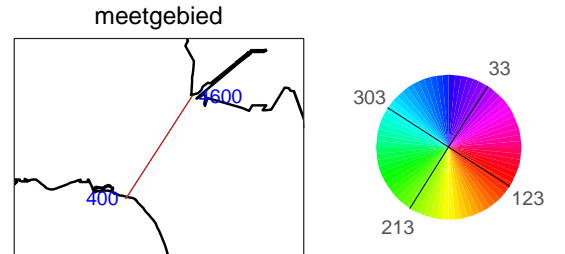
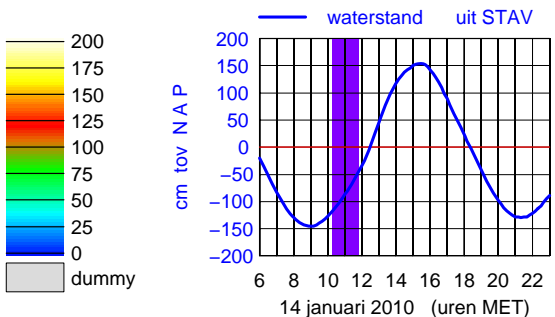
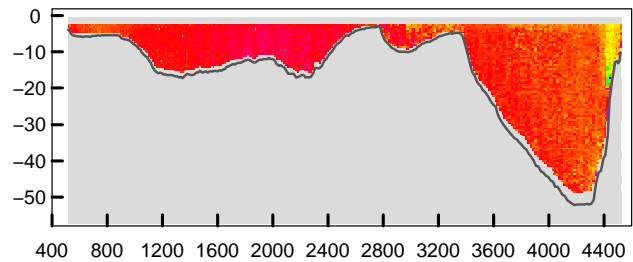
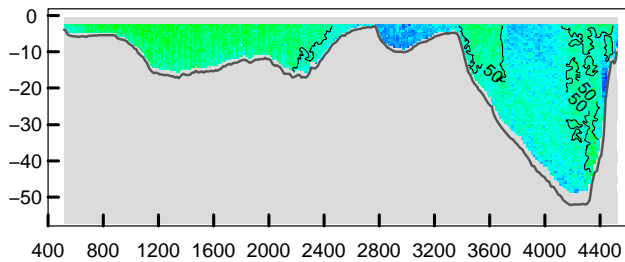
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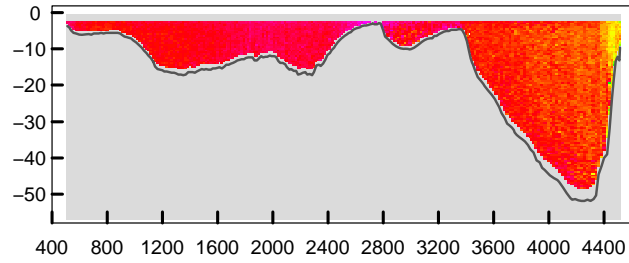
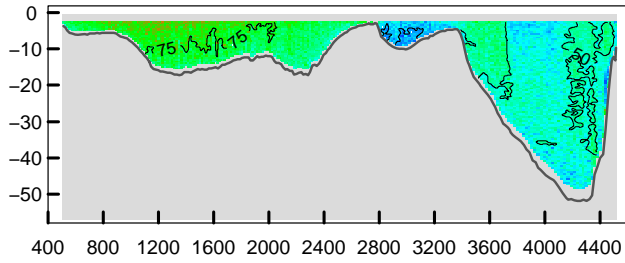


Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

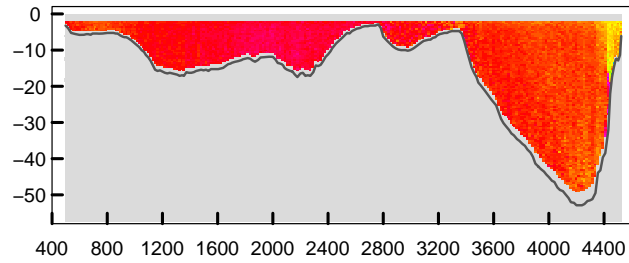
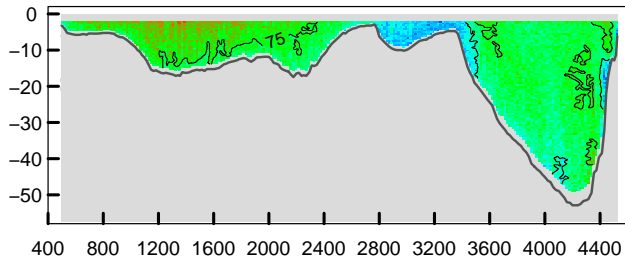
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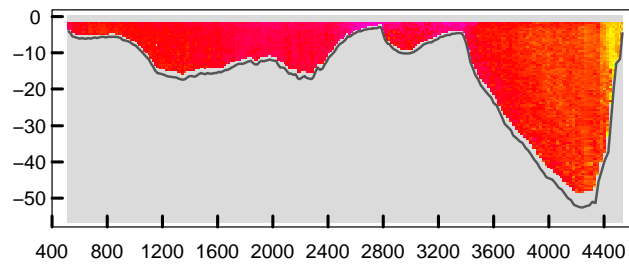
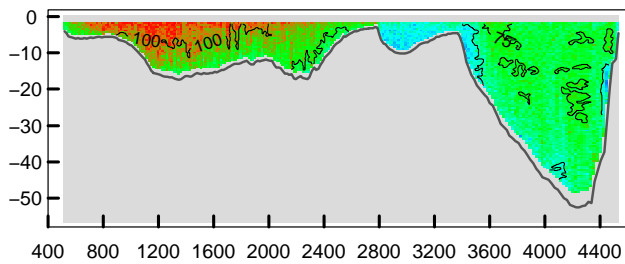
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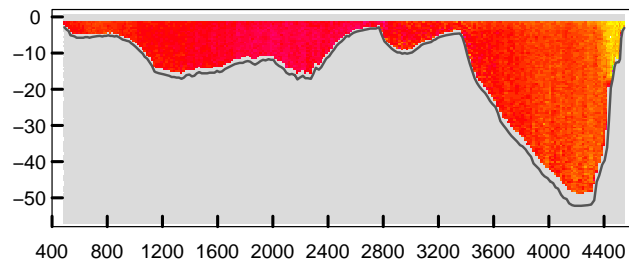
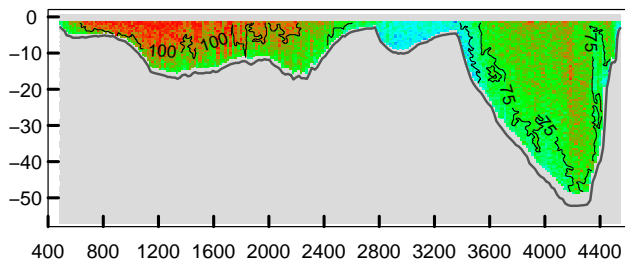
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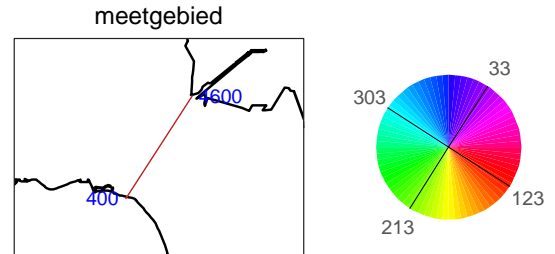
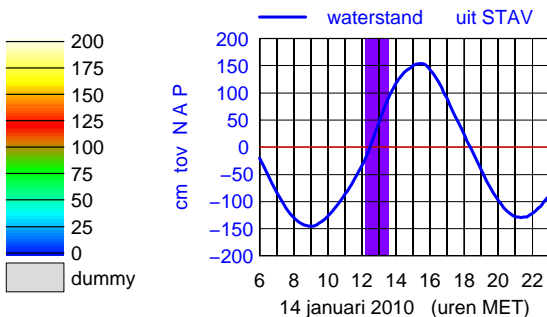
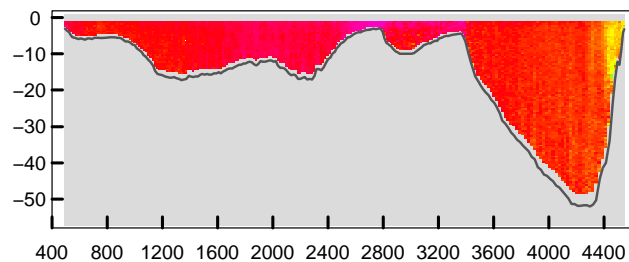
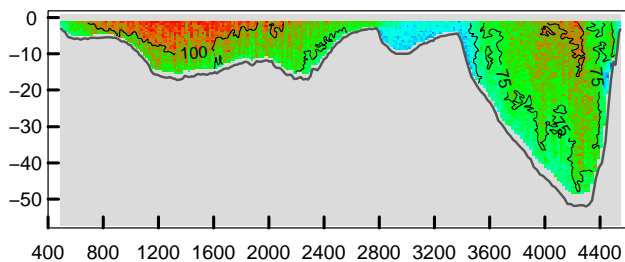
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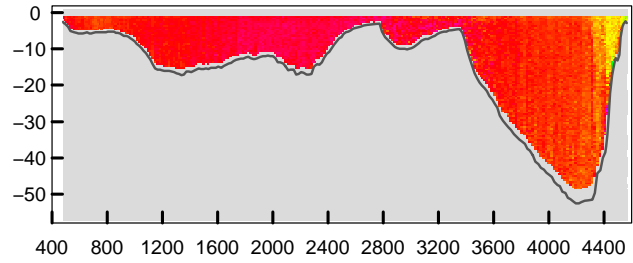
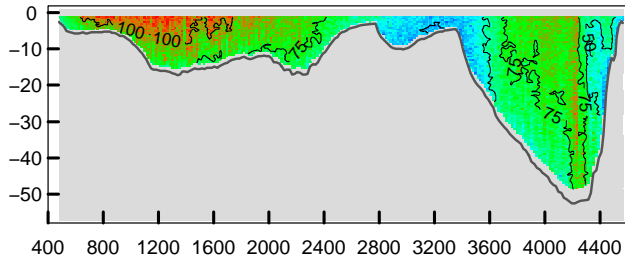


Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

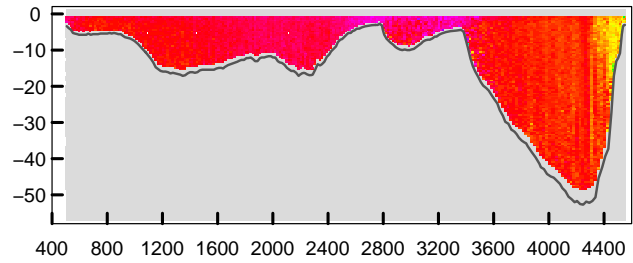
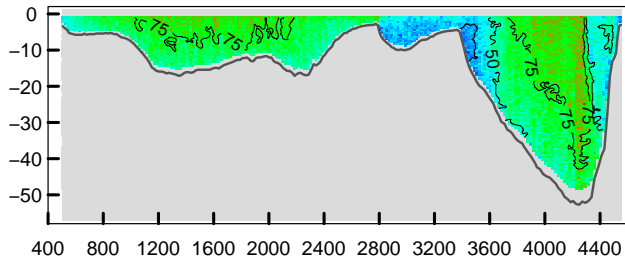
adcpfile : 2202021t.val tijd : 1344 – 1404

adcpfile : 2202021t.val tijd : 1344 – 1404



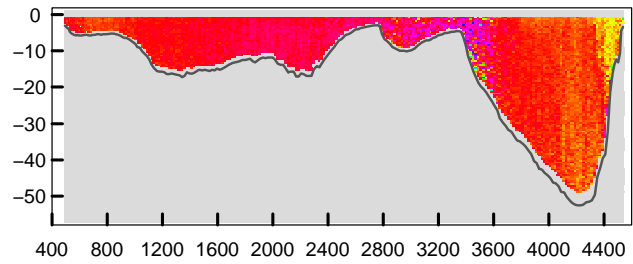
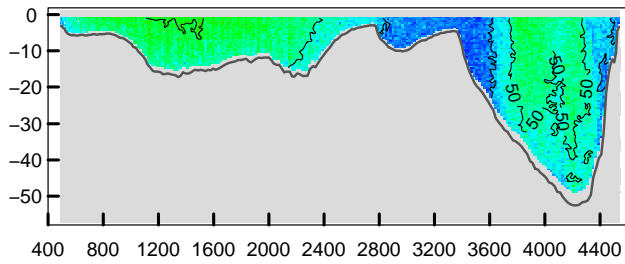
adcpfile : 2202022t.val tijd : 1404 – 1424

adcpfile : 2202022t.val tijd : 1404 – 1424



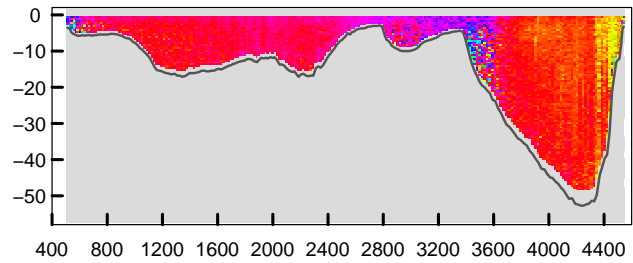
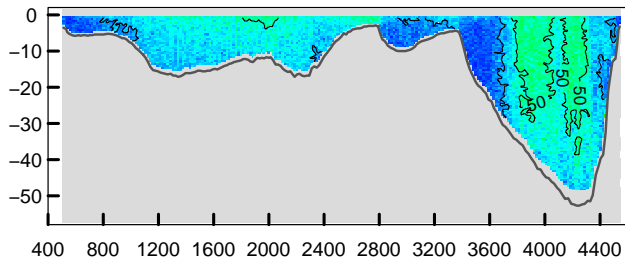
adcpfile : 2202023t.val tijd : 1424 – 1443

adcpfile : 2202023t.val tijd : 1424 – 1443



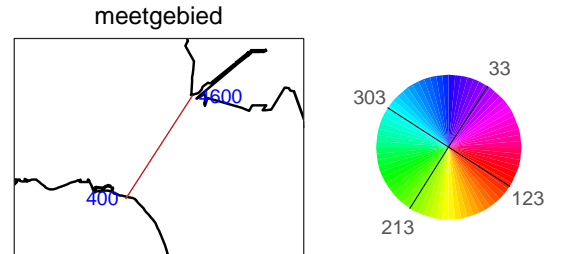
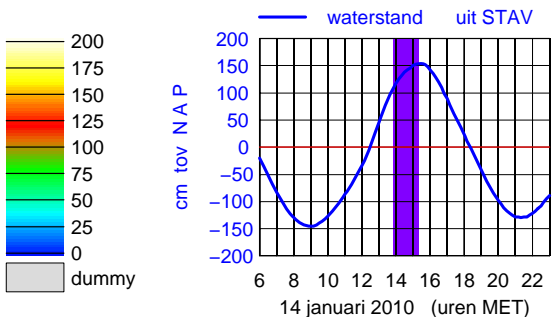
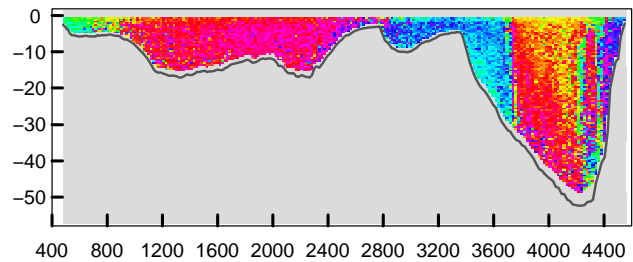
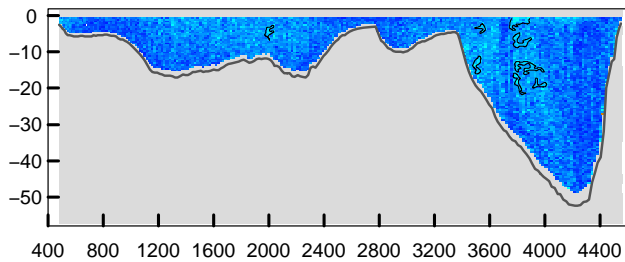
adcpfile : 2202024t.val tijd : 1445 – 1504

adcpfile : 2202024t.val tijd : 1445 – 1504



adcpfile : 2202025t.val tijd : 1513 – 1532

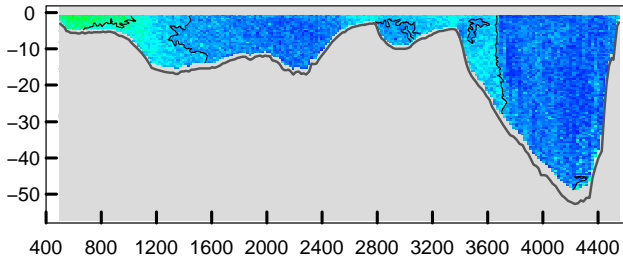
adcpfile : 2202025t.val tijd : 1513 – 1532



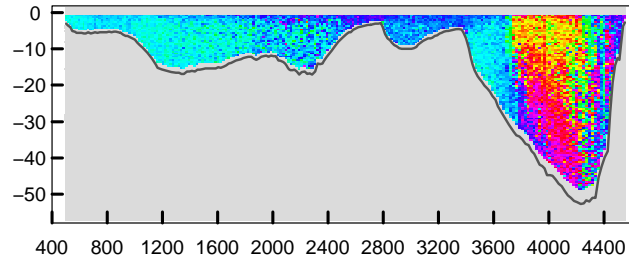
Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

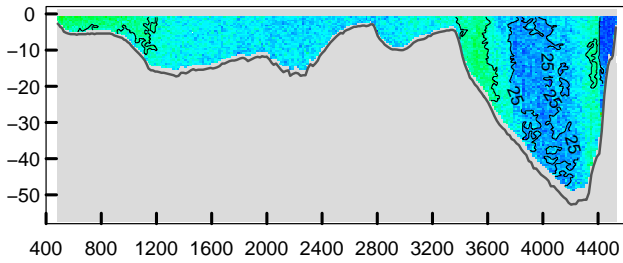
adcpfile : 2202026t.val tijd : 1533 – 1551



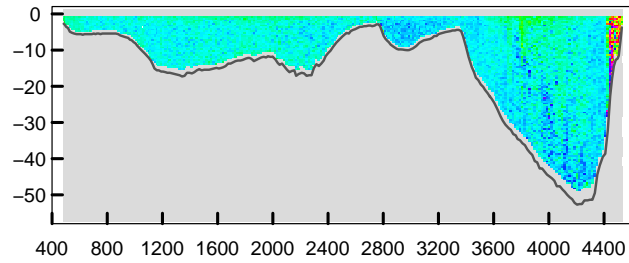
adcpfile : 2202026t.val tijd : 1533 – 1551



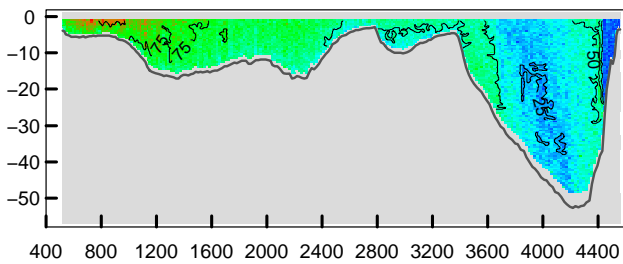
adcpfile : 2202027t.val tijd : 1552 – 1613



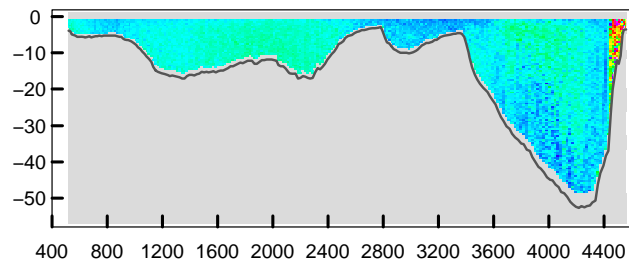
adcpfile : 2202027t.val tijd : 1552 – 1613



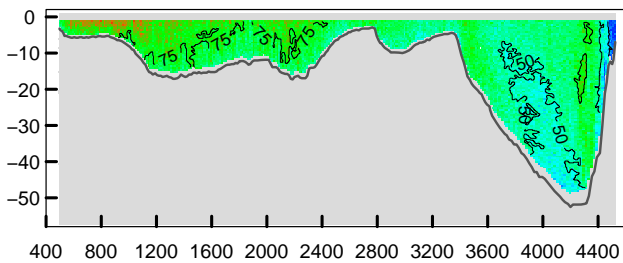
adcpfile : 2202028t.val tijd : 1614 – 1634



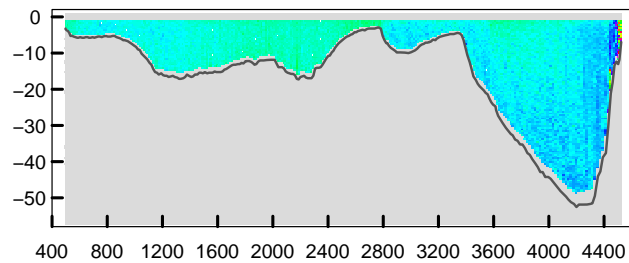
adcpfile : 2202028t.val tijd : 1614 – 1634



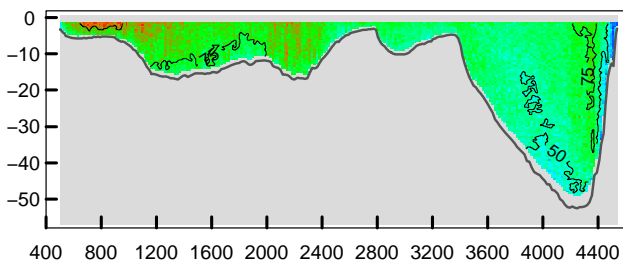
adcpfile : 2202029t.val tijd : 1634 – 1658



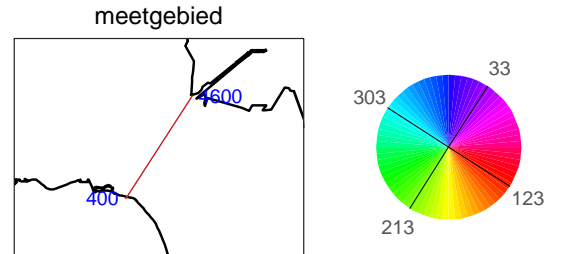
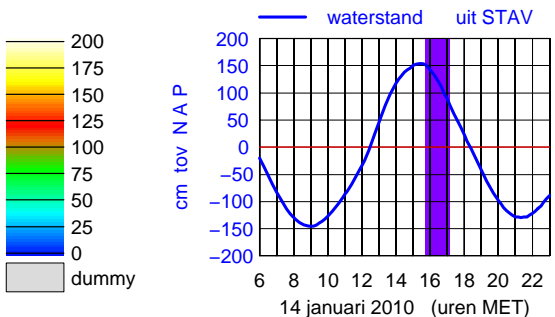
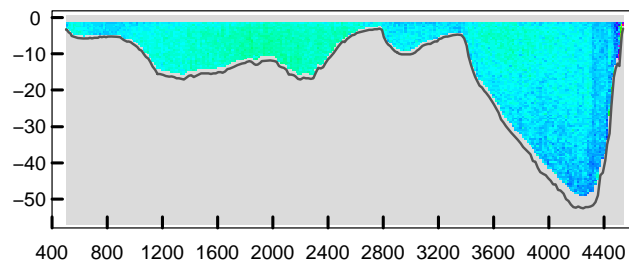
adcpfile : 2202029t.val tijd : 1634 – 1658



adcpfile : 2202030t.val tijd : 1659 – 1720



adcpfile : 2202030t.val tijd : 1659 – 1720

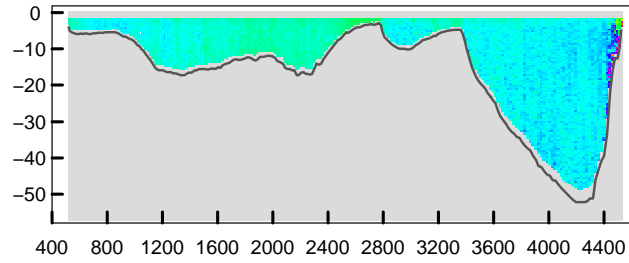
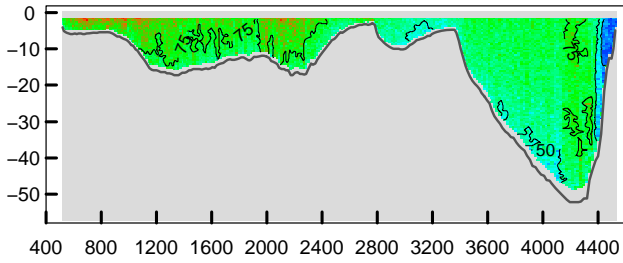


Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

gemeten richting (° tov N)

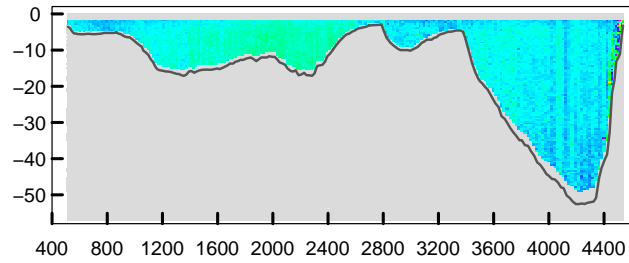
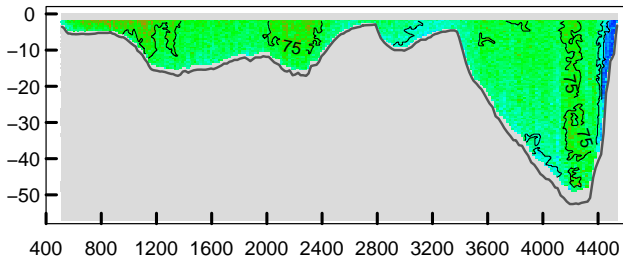
adcpfile : 2202031t.val tijd : 1720 – 1741

adcpfile : 2202031t.val tijd : 1720 – 1741



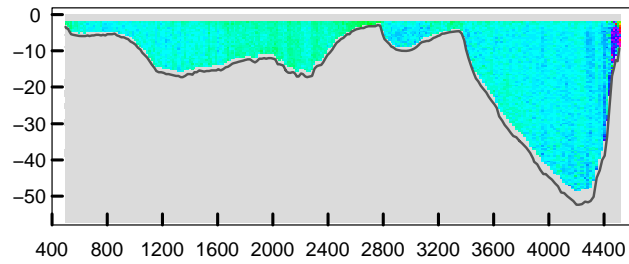
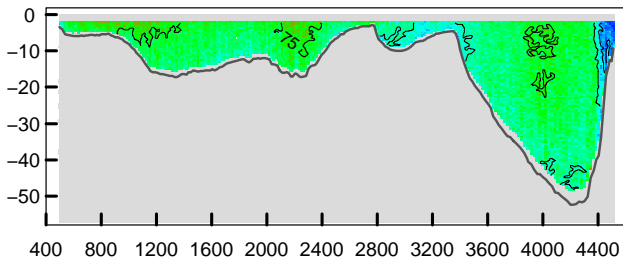
adcpfile : 2202032t.val tijd : 1742 – 1800

adcpfile : 2202032t.val tijd : 1742 – 1800



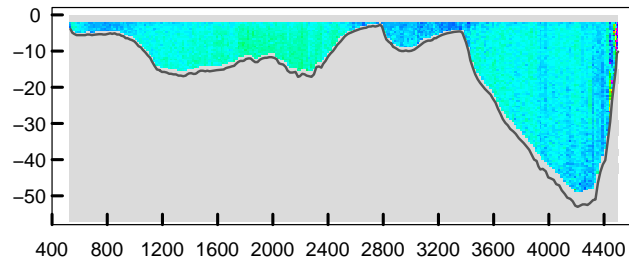
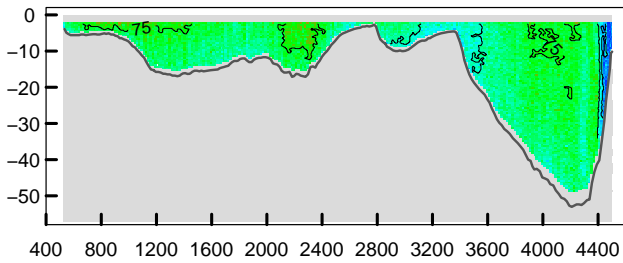
adcpfile : 2202033t.val tijd : 1801 – 1820

adcpfile : 2202033t.val tijd : 1801 – 1820



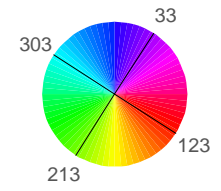
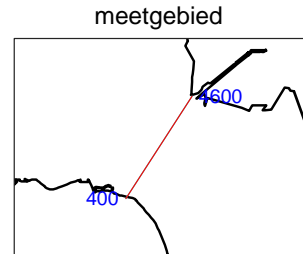
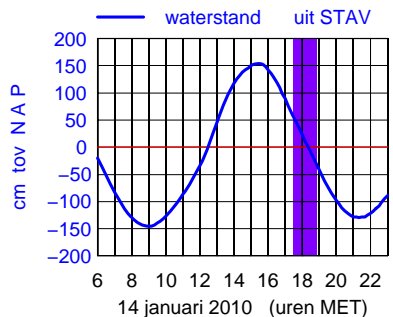
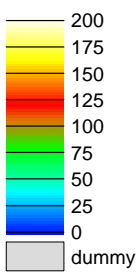
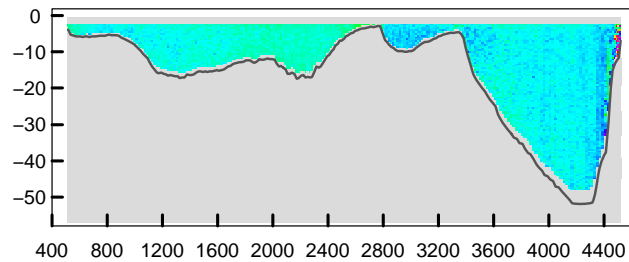
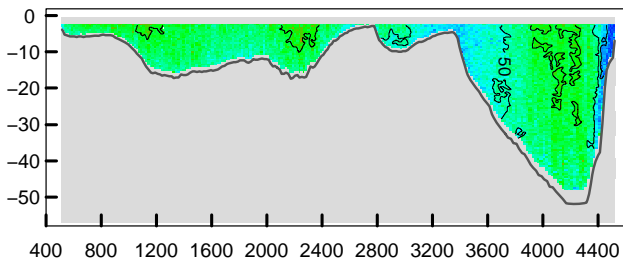
adcpfile : 2202034t.val tijd : 1822 – 1842

adcpfile : 2202034t.val tijd : 1822 – 1842



adcpfile : 2202035t.val tijd : 1842 – 1903

adcpfile : 2202035t.val tijd : 1842 – 1903



Debietraai III Oosterschelde dd 14 januari 2010
 gemeten snelheid (cm/sec)

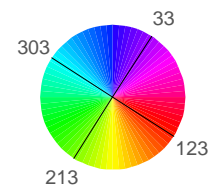
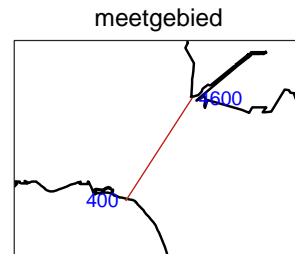
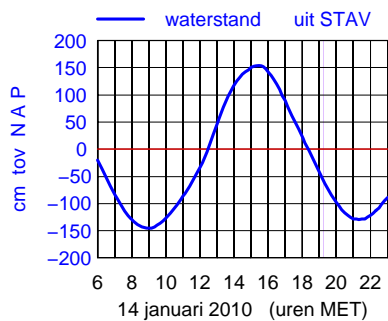
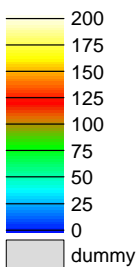
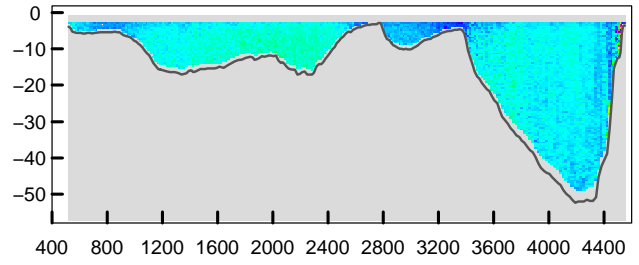
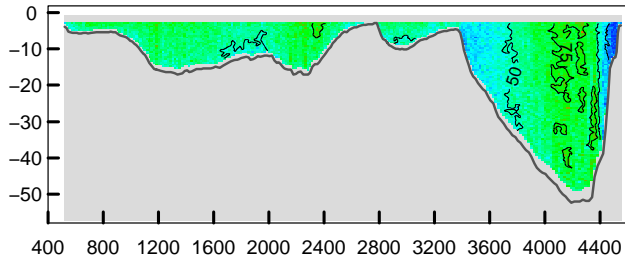
gemeten richting (° tov N)

adcpfile : 2202036t.val

tijd : 1905 – 1925

adcpfile : 2202036t.val

tijd : 1905 – 1925



Bijlage 5

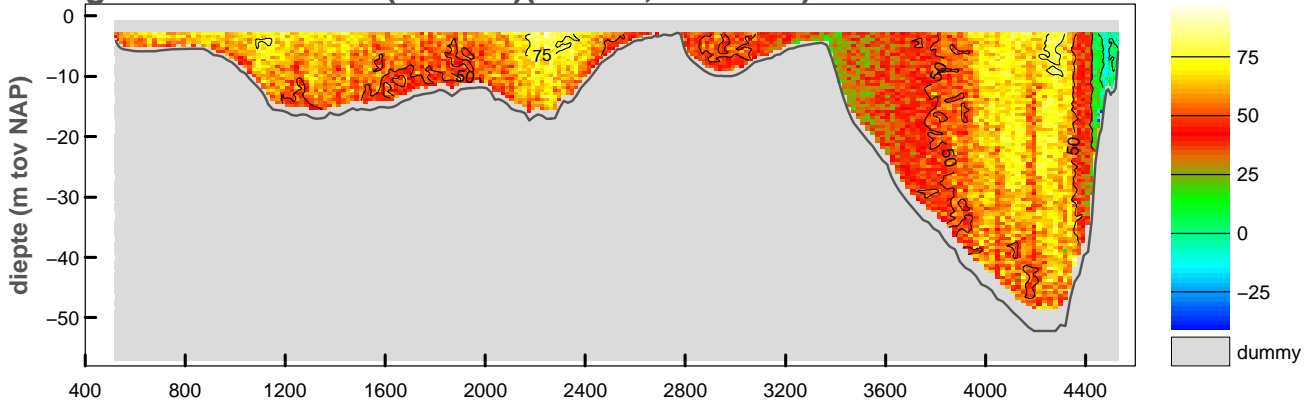
Gemeten gegevens raai

Debietraai IIIb Oosterschelde

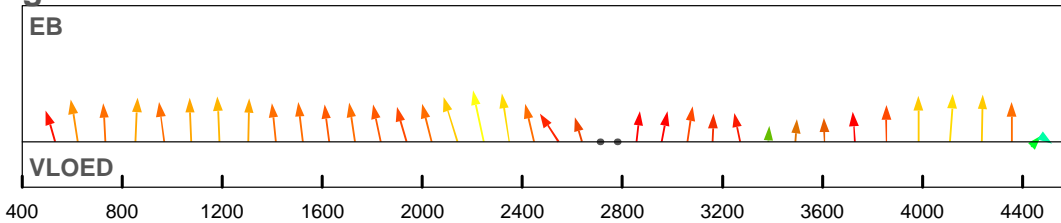
2202m1001

Notitie: ZLMD-10.N.002

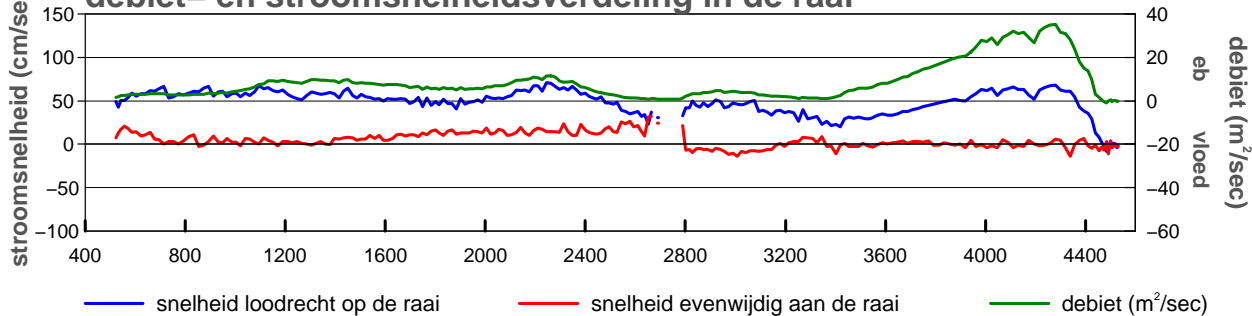
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



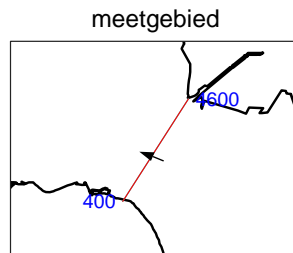
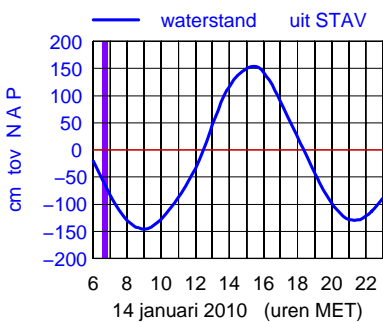
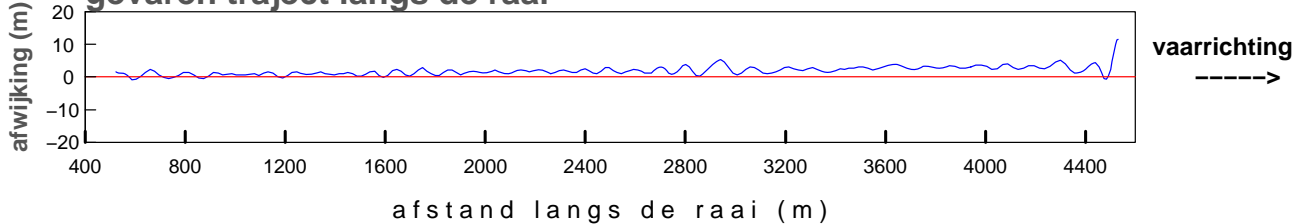
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

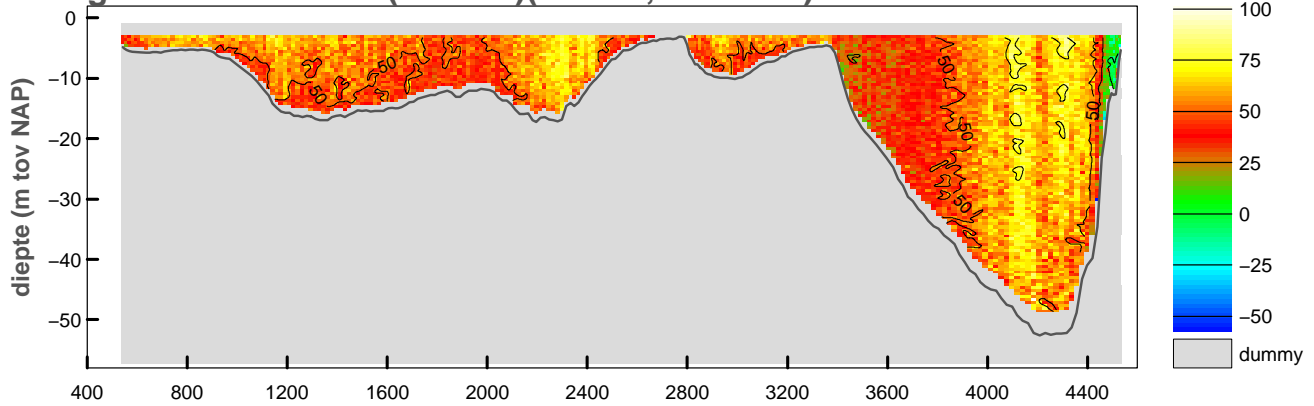


maximum gemiddelde stroom-
 snelheid in de vertikaal

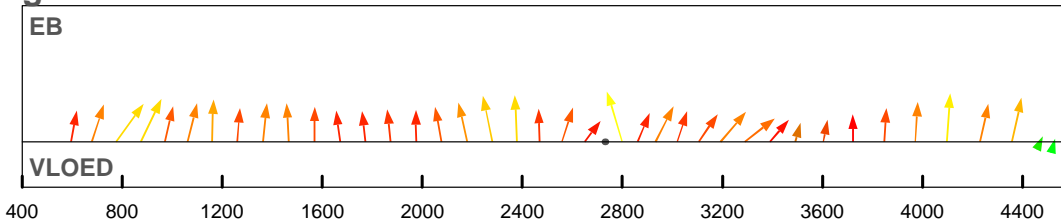
afstand uit nulpunt : 2245 m
 stroomsnelheid : 72 cm/sec
 stroomrichting : 291°

doorstroomoppervlak : -67010 m²
 raaidebiet : 34572 m³/sec

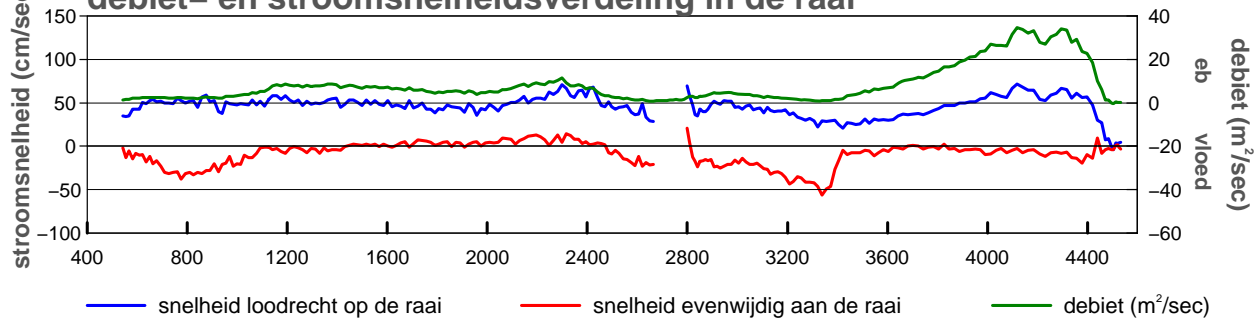
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



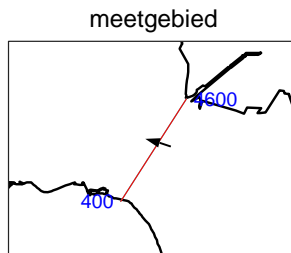
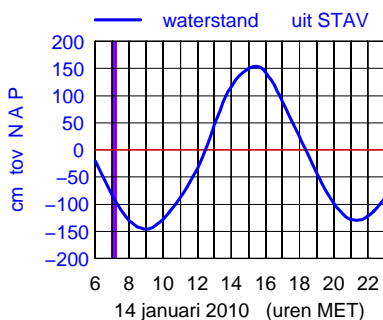
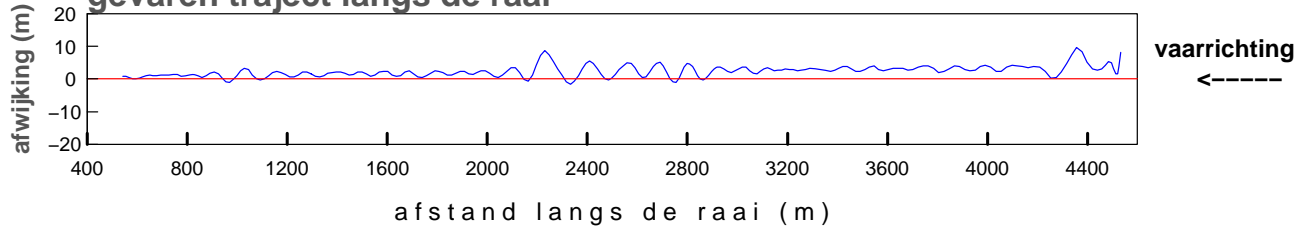
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

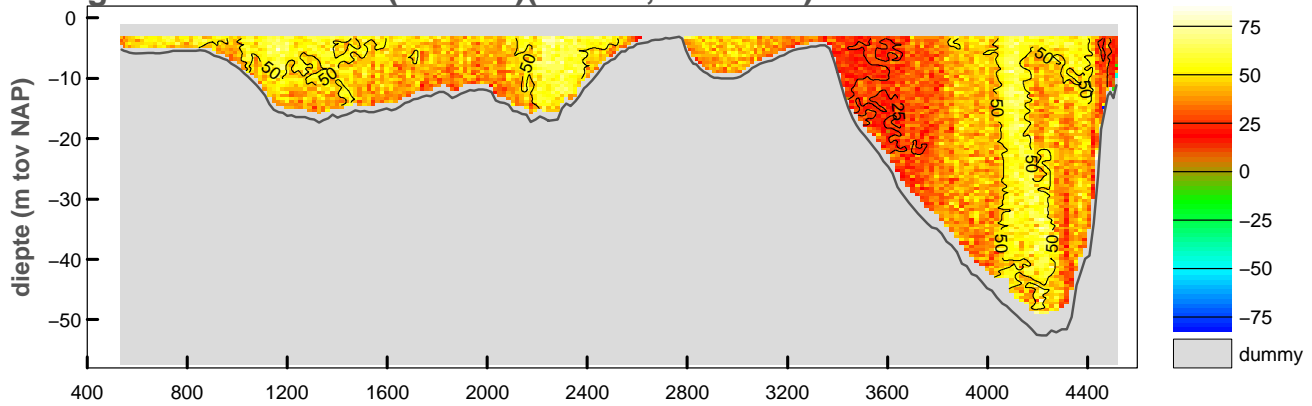


maximum gemiddelde stroom-
 snelheid in de vertikaal

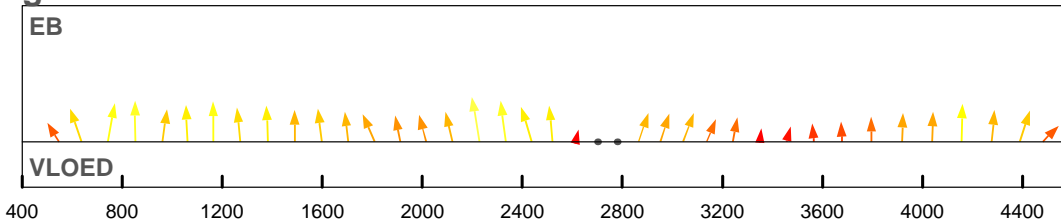
afstand uit nulpunt : 2799 m
 stroomsnelheid : 73 cm/sec
 stroomrichting : 286°

doorstroomoppervlak : -65905 m²
 raaidebiet : 32831 m³/sec

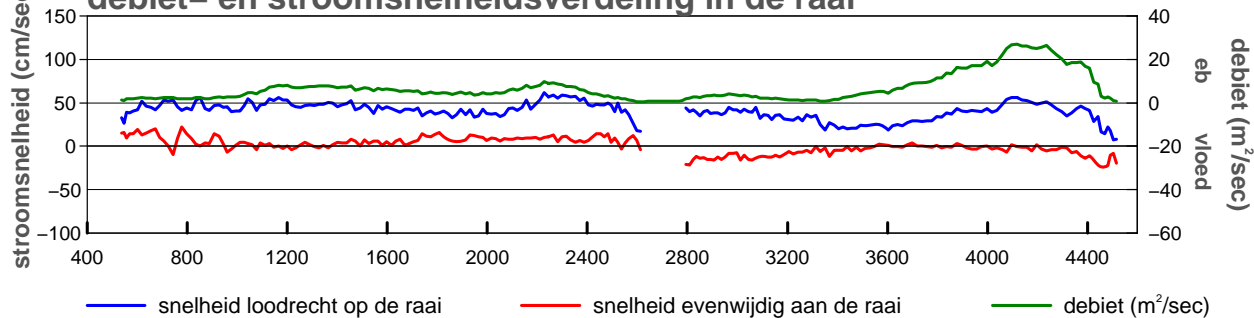
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



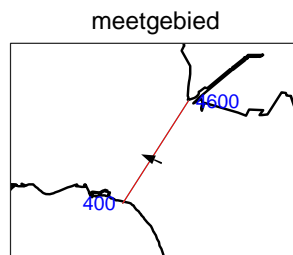
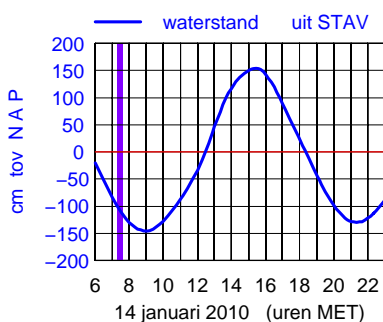
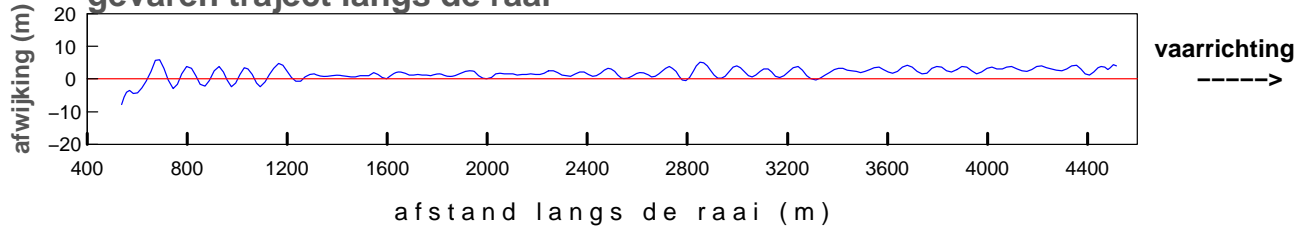
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

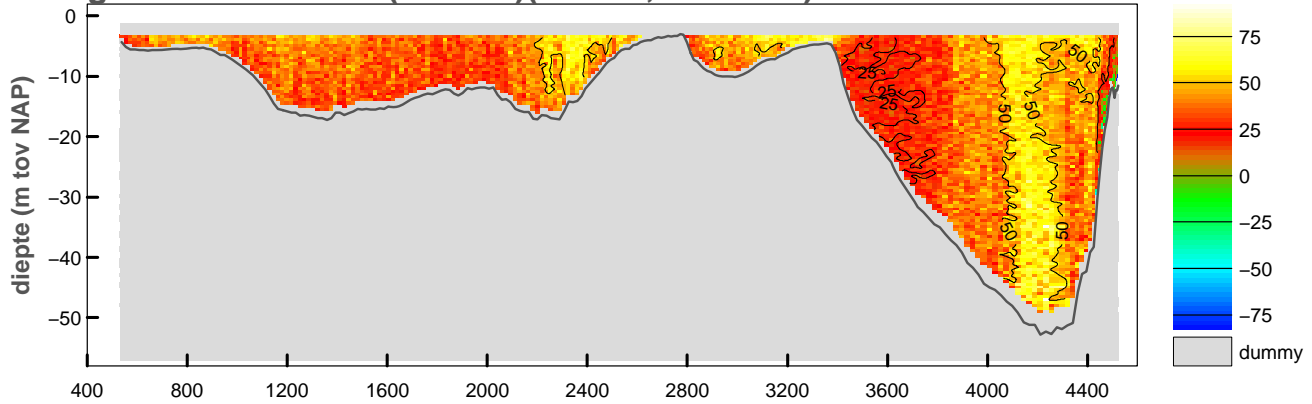


maximum gemiddelde stroom-
 snelheid in de vertikaal

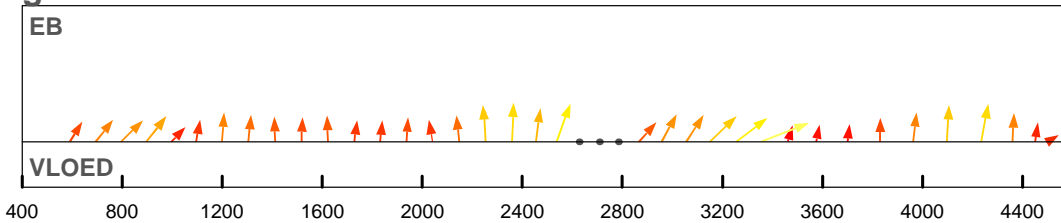
afstand uit nulpunt : 2228 m
 stroomsnelheid : 63 cm/sec
 stroomrichting : 294°

doorstroomoppervlak : -65216 m²
 raaidebiet : 26882 m³/sec

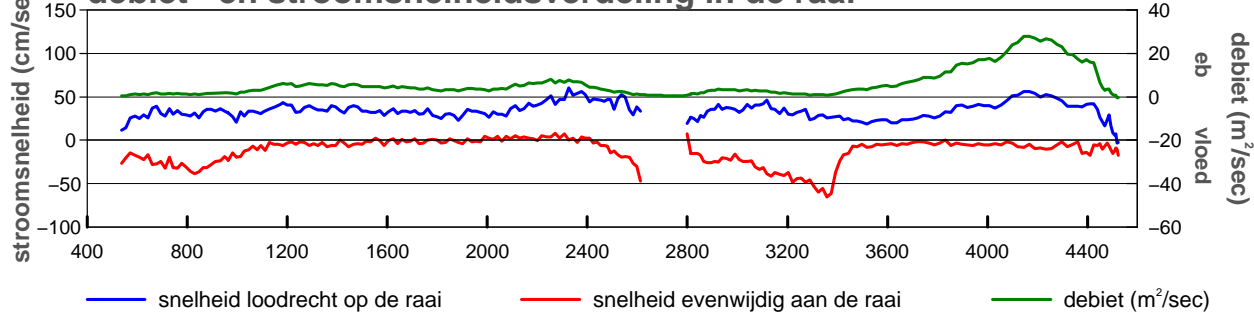
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



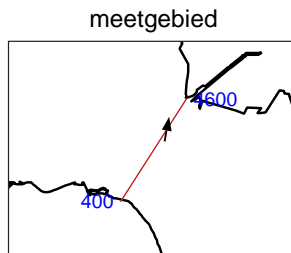
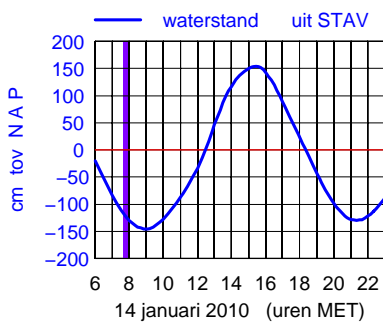
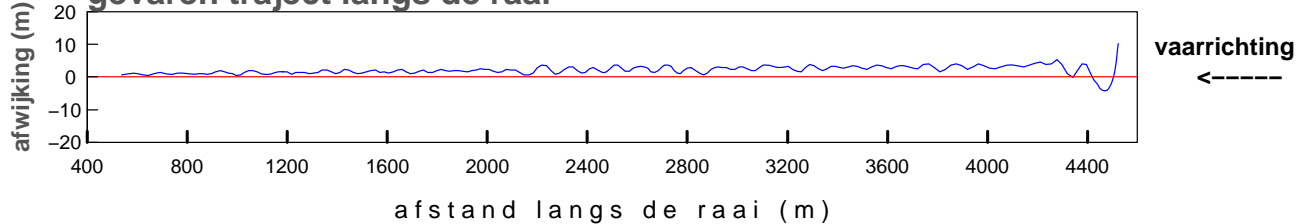
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

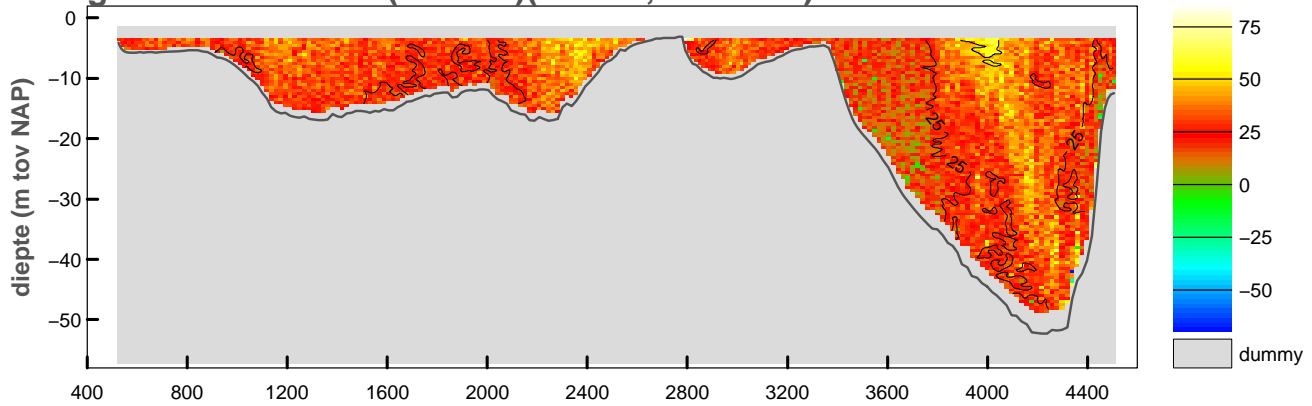


maximum gemiddelde stroom-
 snelheid in de vertikaal

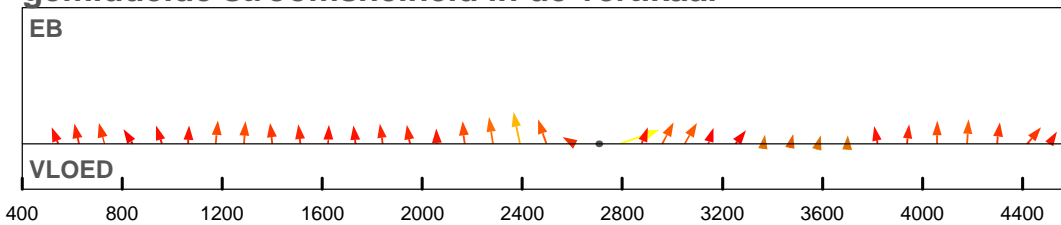
afstand uit nulpunt : 3358 m
 stroomsnelheid : 70 cm/sec
 stroomrichting : 11°

doorstroomoppervlak : -64339 m²
 raaidebiet : 24050 m³/sec

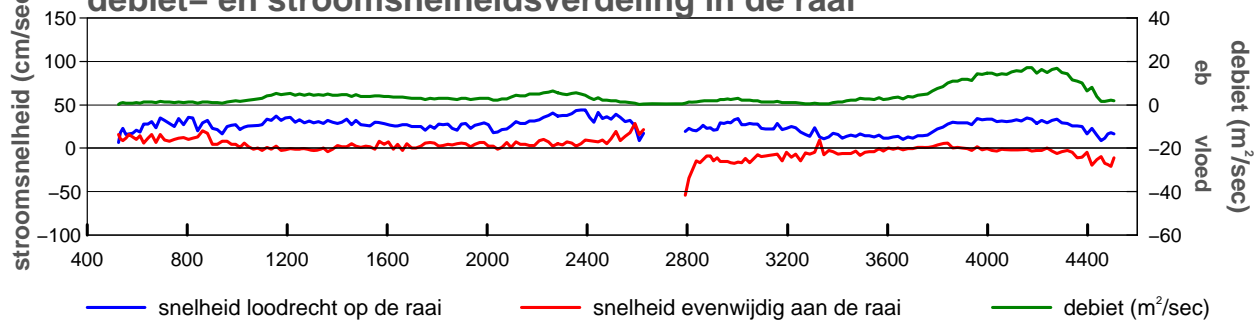
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



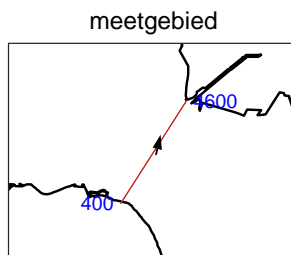
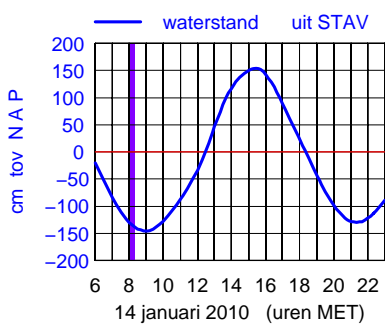
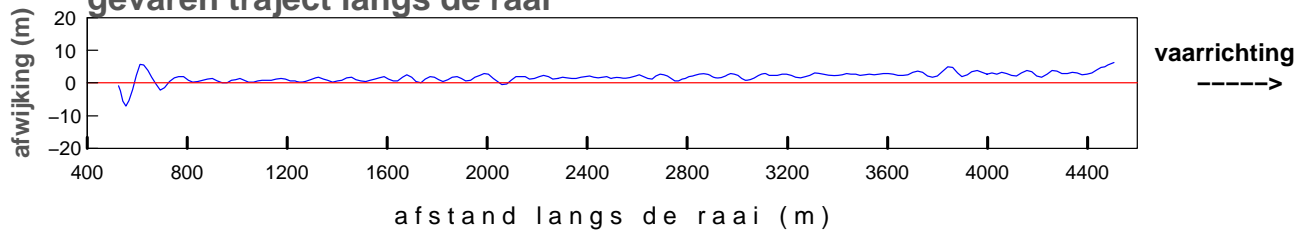
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

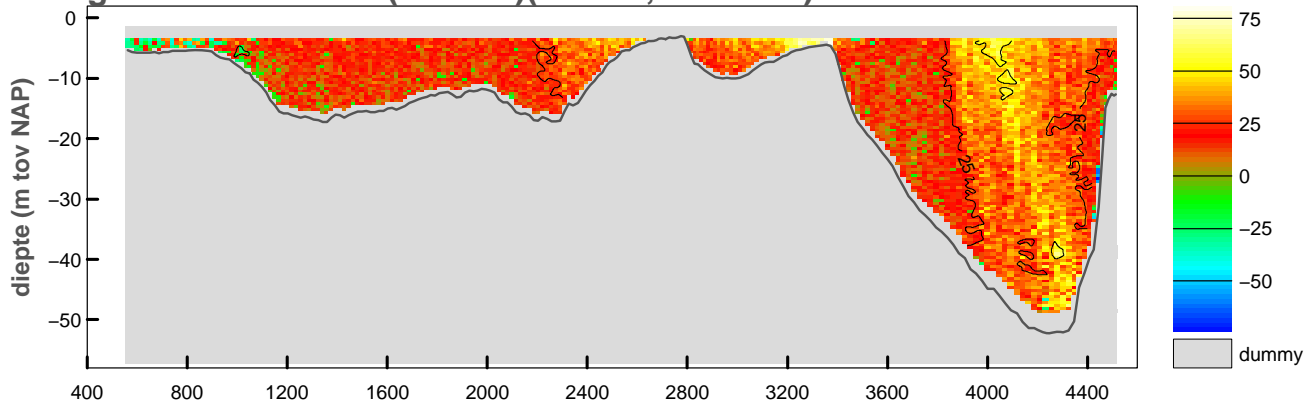


maximum gemiddelde stroom-
 snelheid in de vertikaal

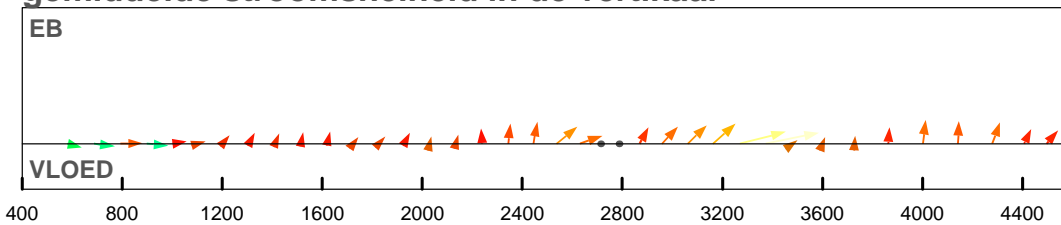
afstand uit nulpunt : 2793 m
 stroomsnelheid : 57 cm/sec
 stroomrichting : 13°

doorstroomoppervlak : -64032 m²
 raaidebiet : 17105 m³/sec

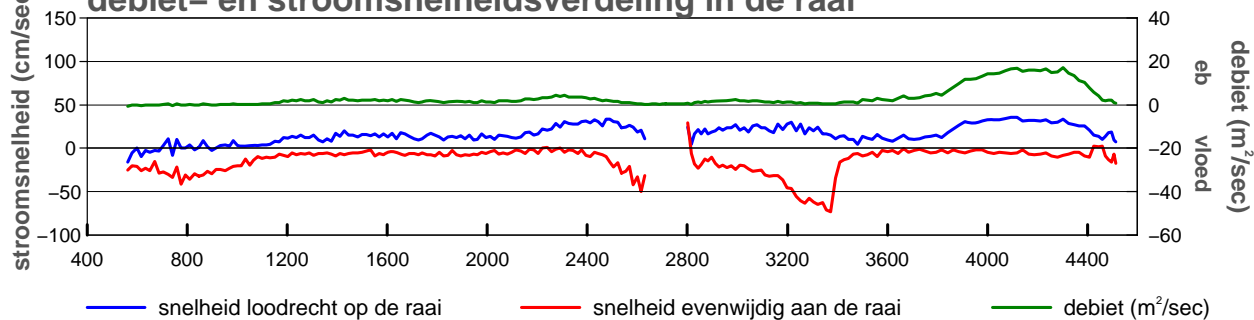
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



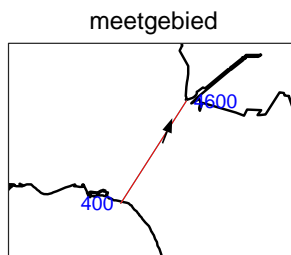
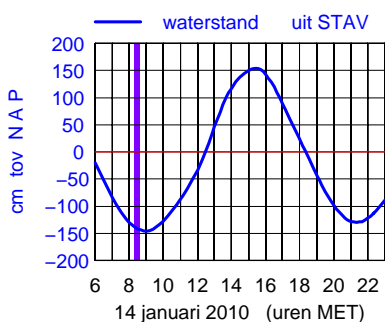
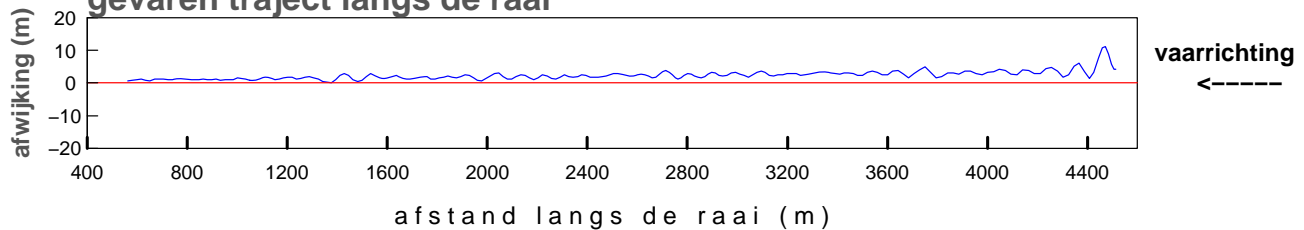
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

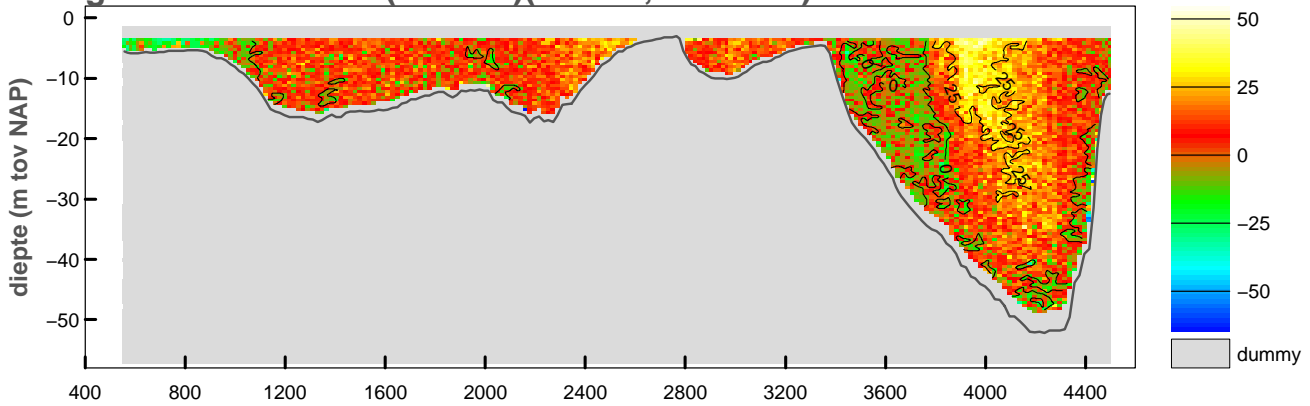


maximum gemiddelde stroom-
 snelheid in de vertikaal

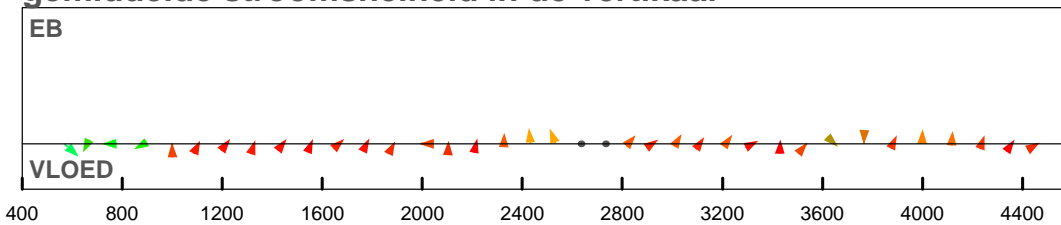
afstand uit nulpunt : 3374 m
 stroomsnelheid : 75 cm/sec
 stroomrichting : 21°

doorstroomoppervlak : -63524 m²
 raaidebiet : 13267 m³/sec

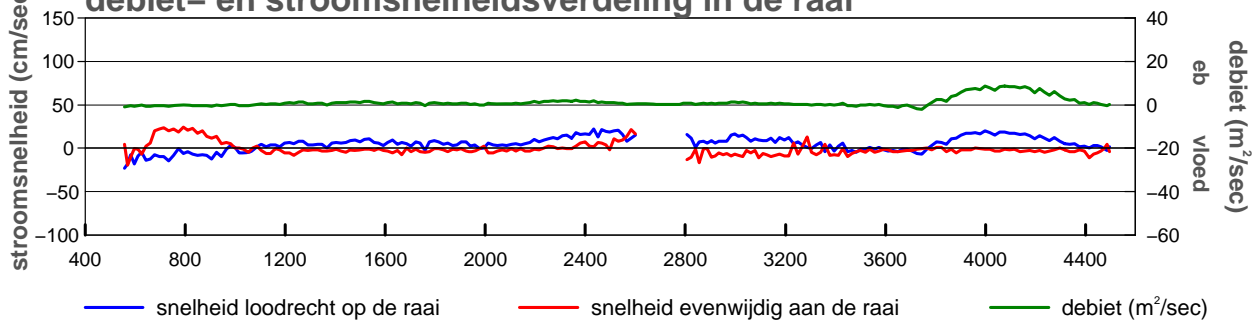
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



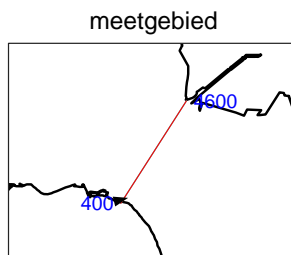
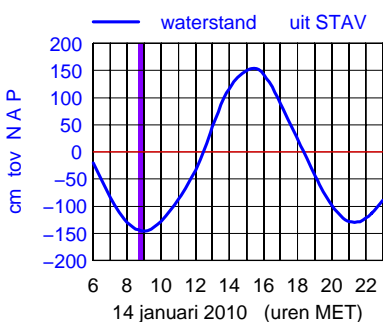
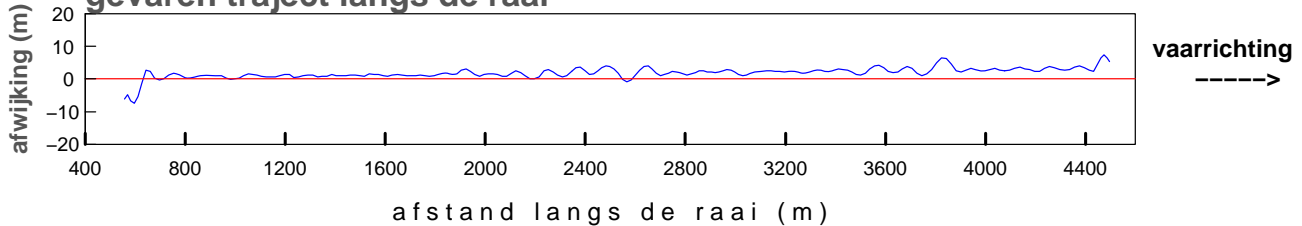
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

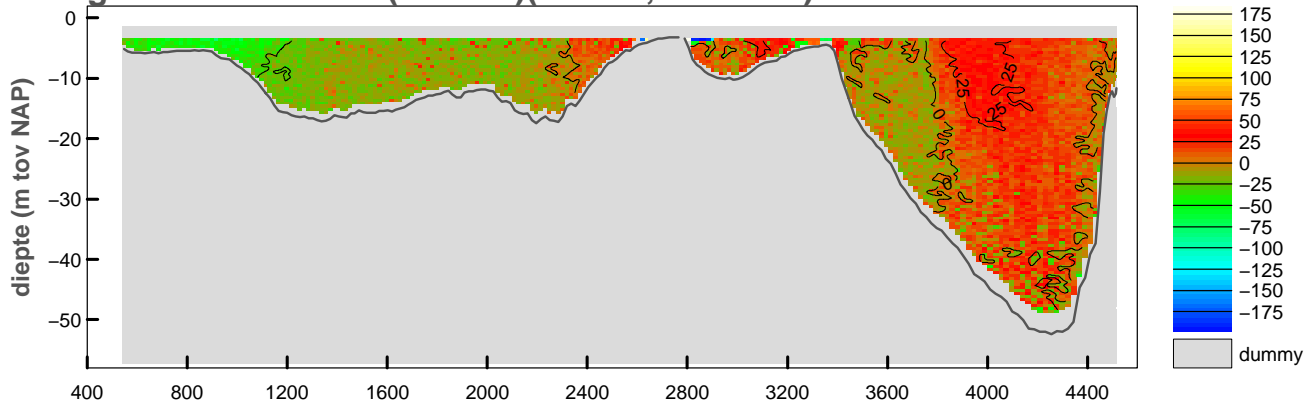


maximum gemiddelde stroom-
 snelheid in de vertikaal

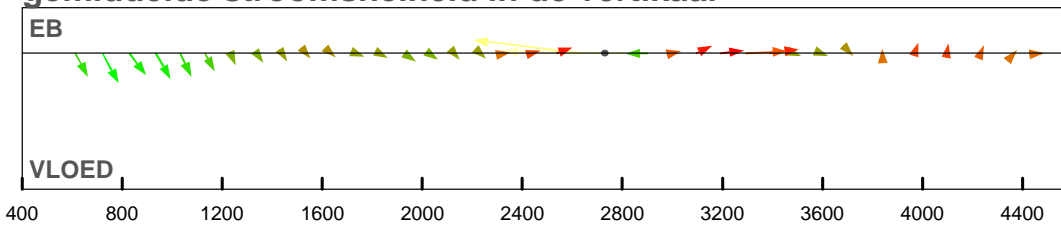
afstand uit nulpunt : 570 m
 stroomsnelheid : 26 cm/sec
 stroomrichting : 75°

doorstroomoppervlak : -63451 m²
 raaidebiet : 4790 m³/sec

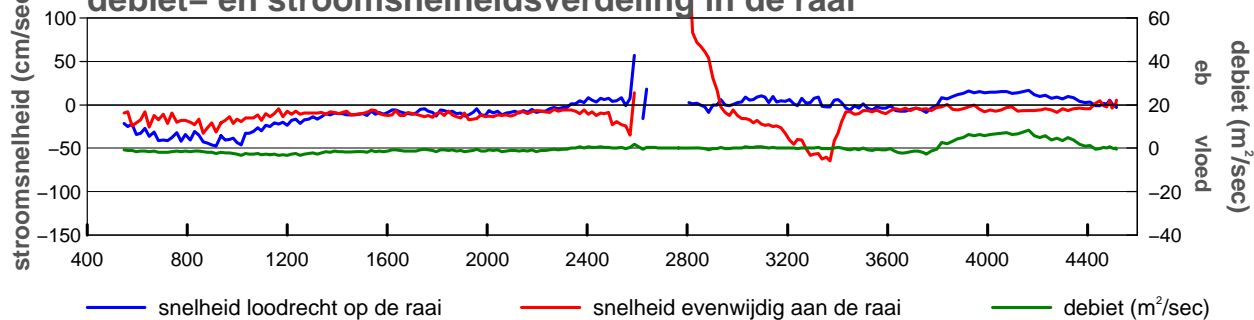
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



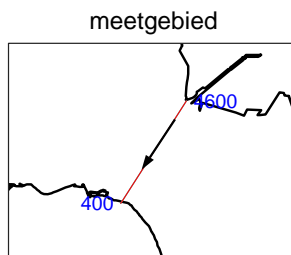
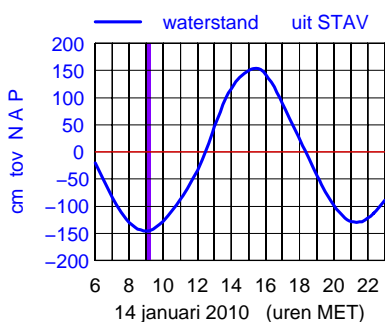
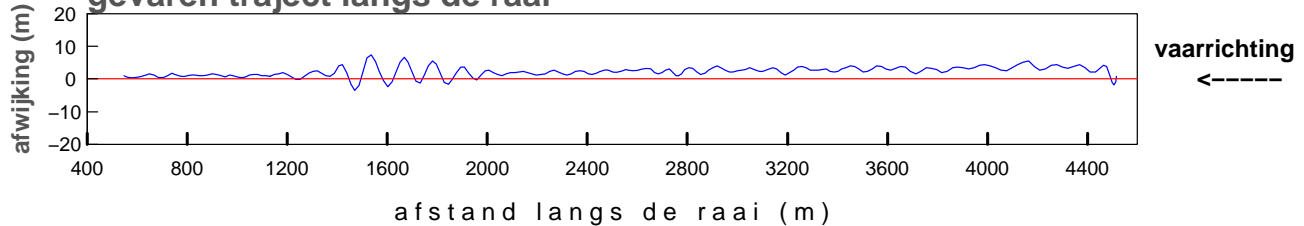
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

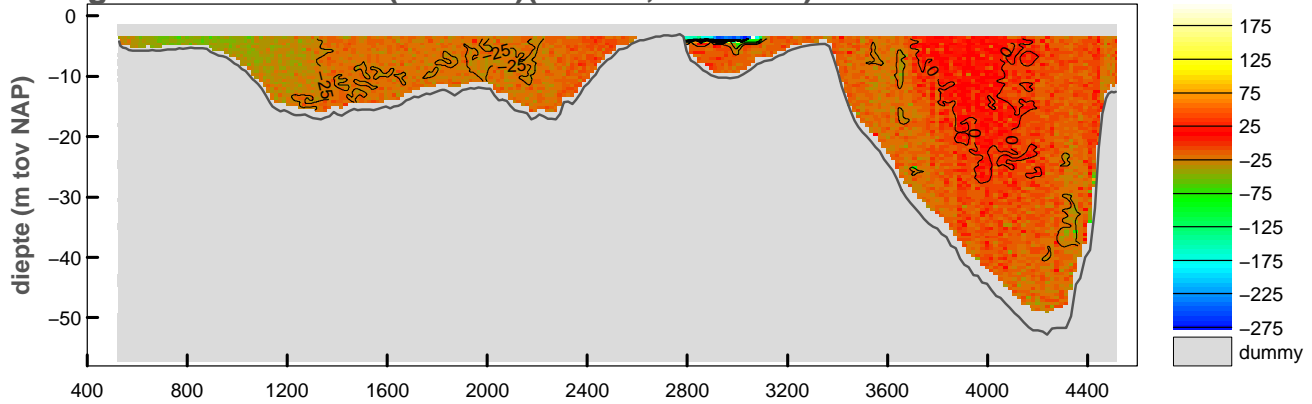


maximum gemiddelde stroom-
snelheid in de vertikaal

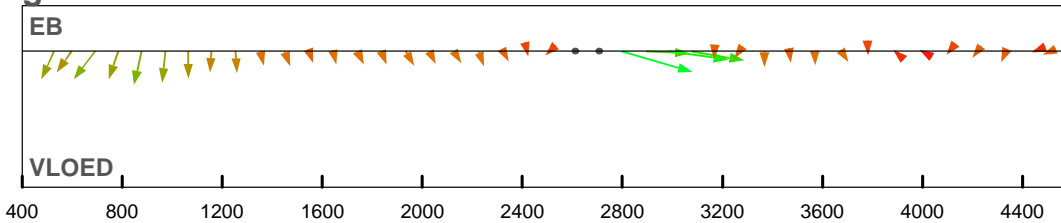
afstand uit nulpunt : 2806 m
 stroomsnelheid : 166 cm/sec
 stroomrichting : 214°

doorstroomoppervlak : -63562 m²
 raaidebiet : 152 m³/sec

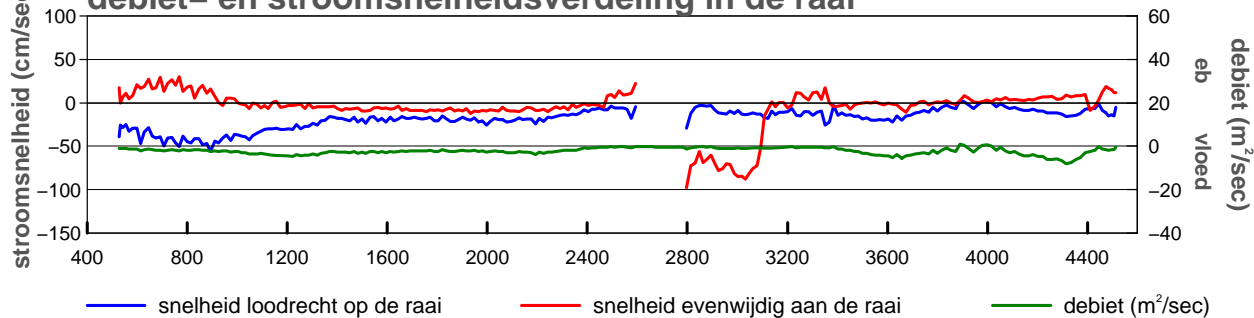
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



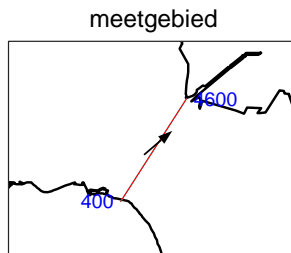
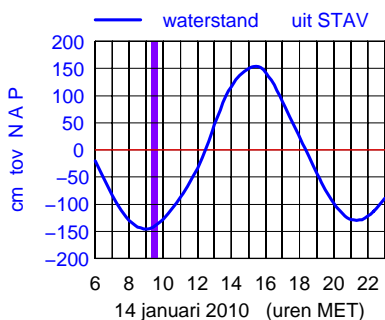
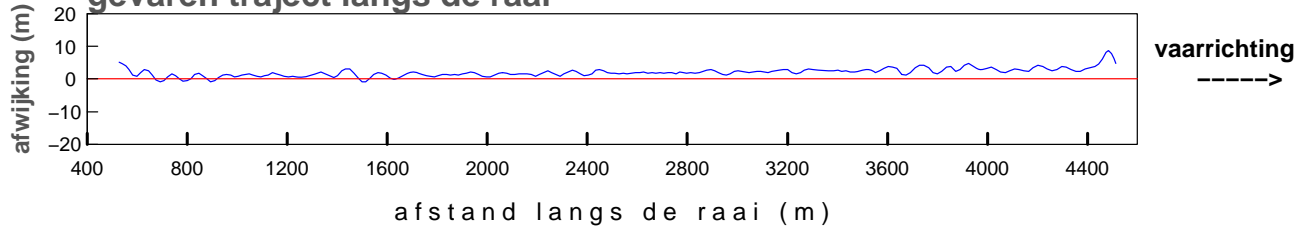
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

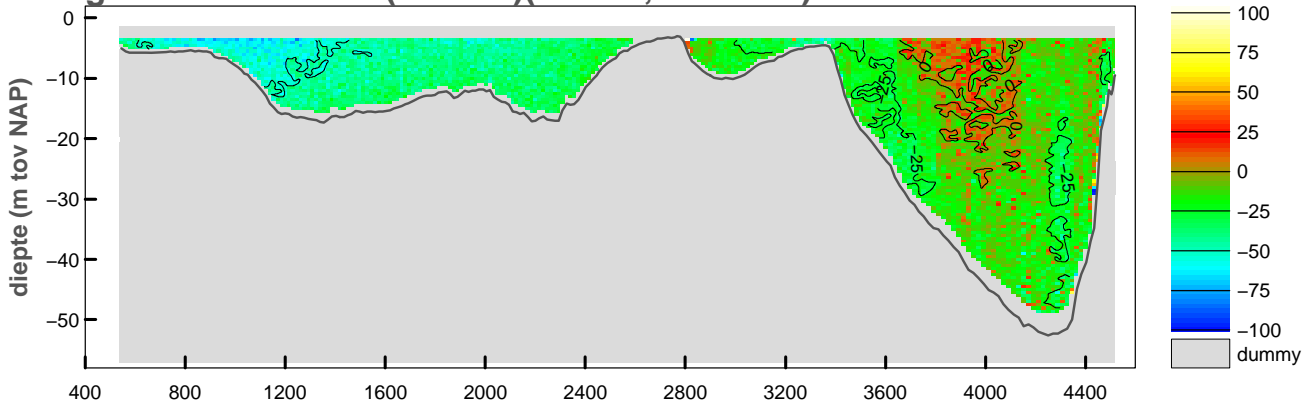


maximum gemiddelde stroom-
 snelheid in de vertikaal

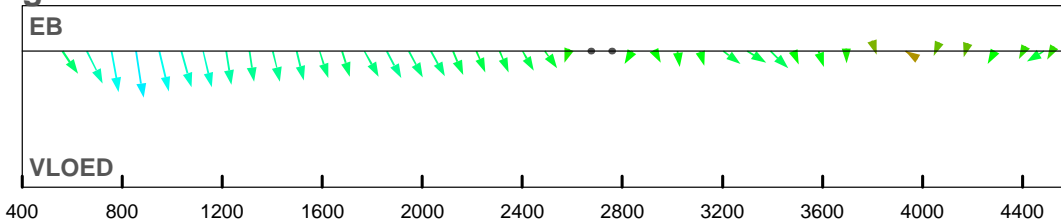
afstand uit nulpunt : 2797 m
 stroomsnelheid : 102 cm/sec
 stroomrichting : 49°

doorstroomoppervlak : -63921 m²
 raaidebiet : -8630 m³/sec

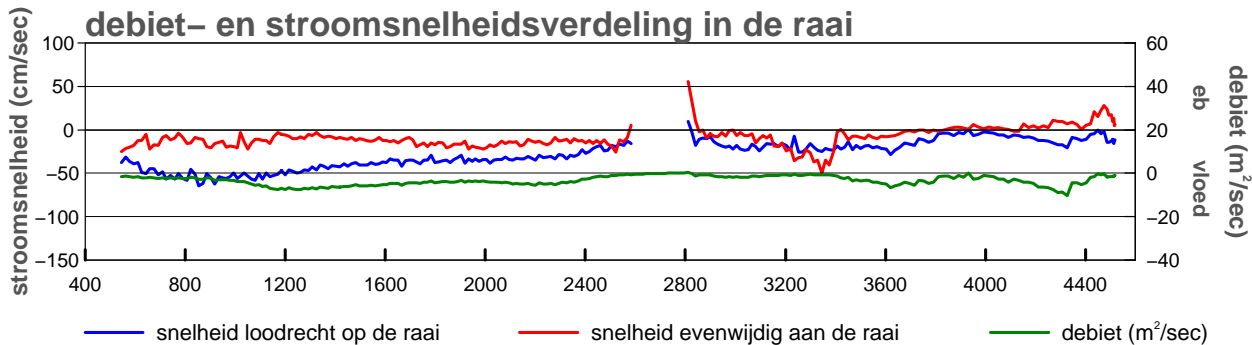
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



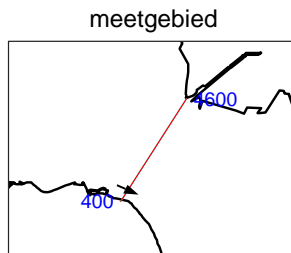
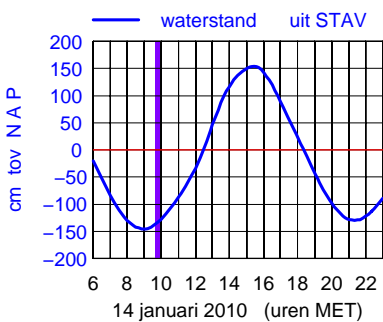
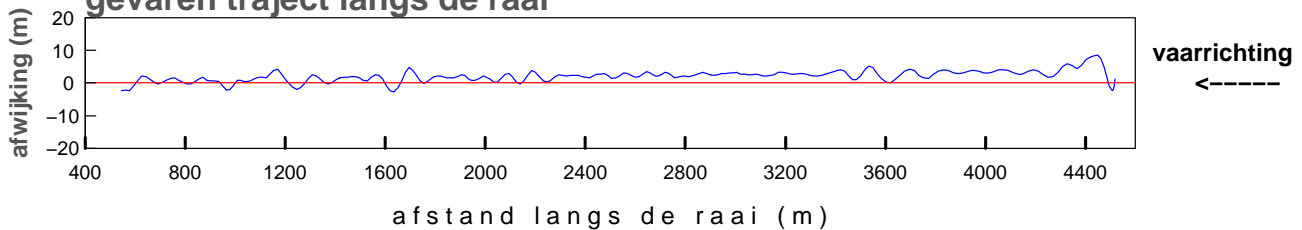
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

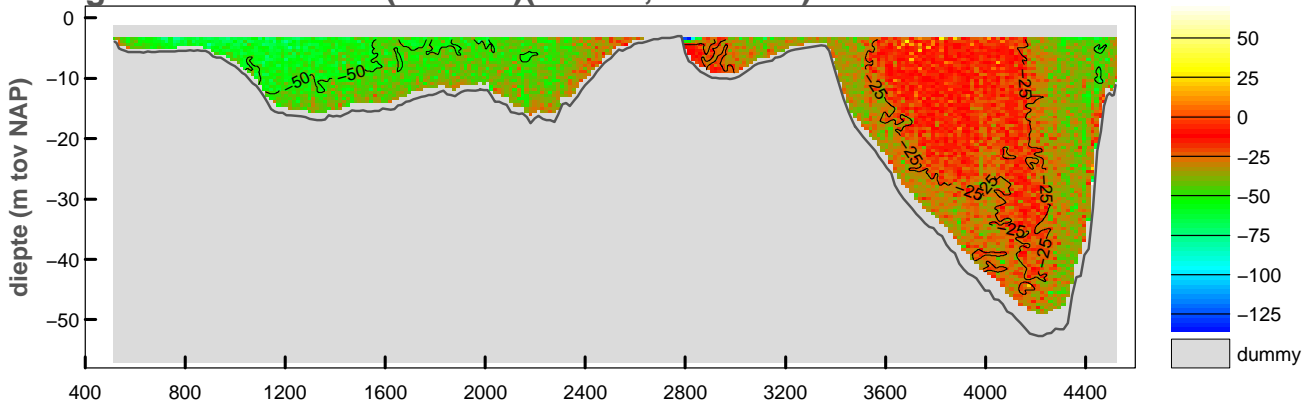


maximum gemiddelde stroom-
 snelheid in de vertikaal

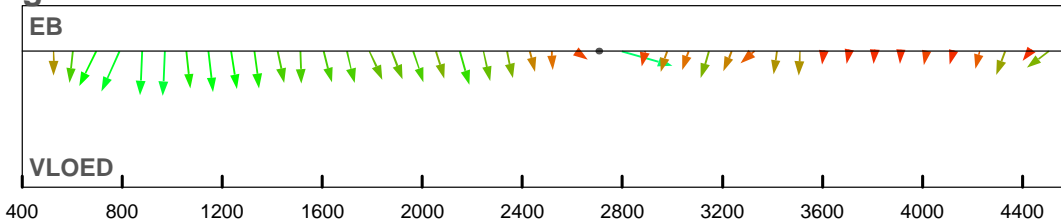
afstand uit nulpunt : 855 m
 stroomsnelheid : 65 cm/sec
 stroomrichting : 113°

doorstroomoppervlak : -64073 m²
 raaidebiet : -13065 m³/sec

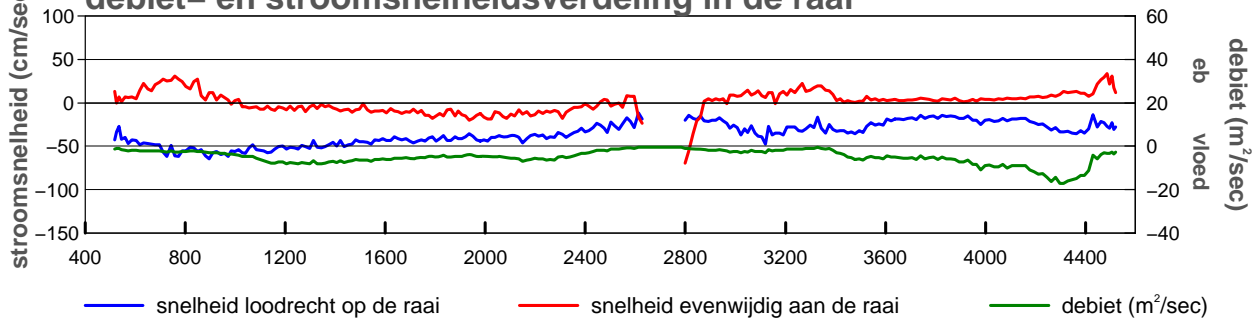
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



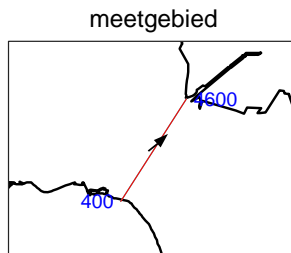
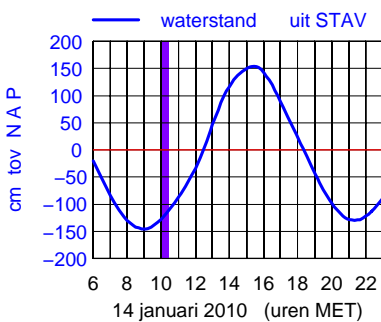
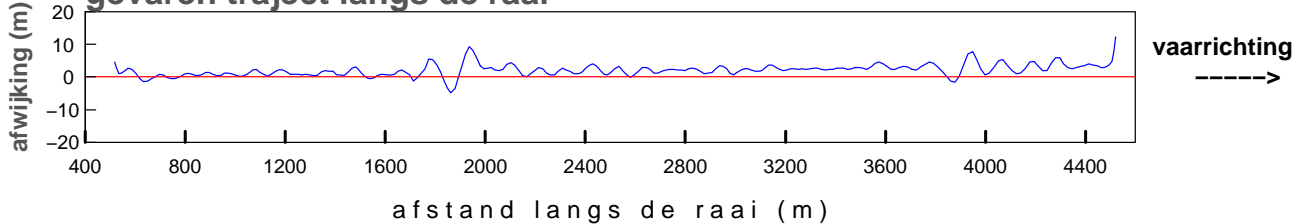
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

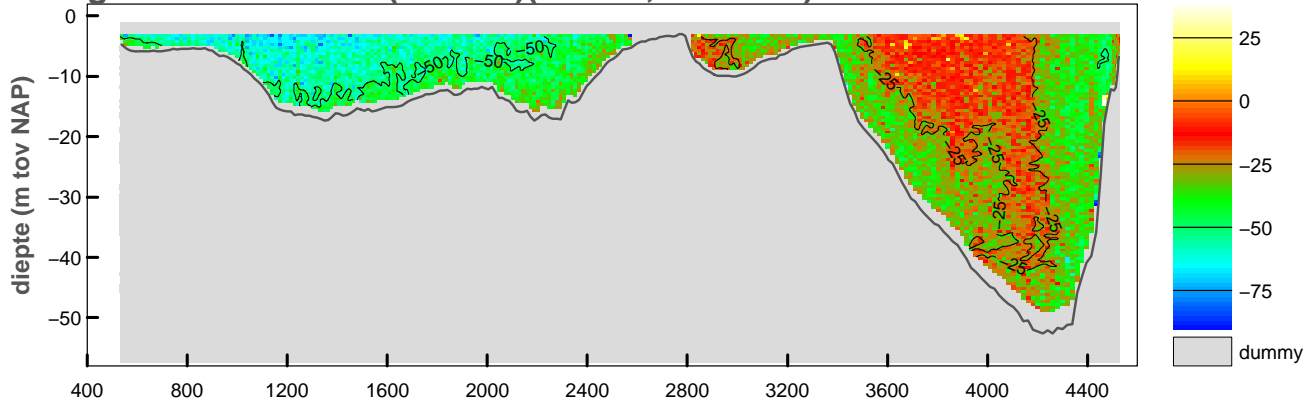


maximum gemiddelde stroom-
 snelheid in de vertikaal

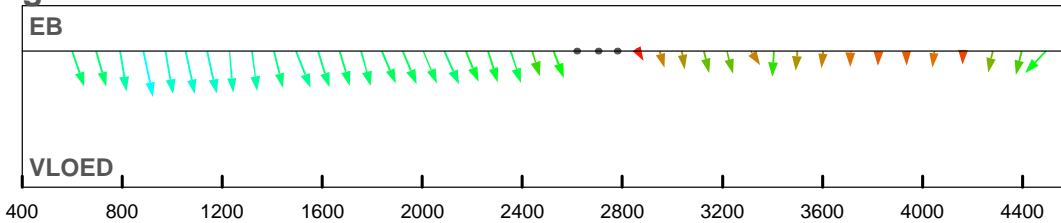
afstand uit nulpunt : 2798 m
 stroomsnelheid : 73 cm/sec
 stroomrichting : 49°

doorstroomoppervlak : -64883 m²
 raaidebiet : -19615 m³/sec

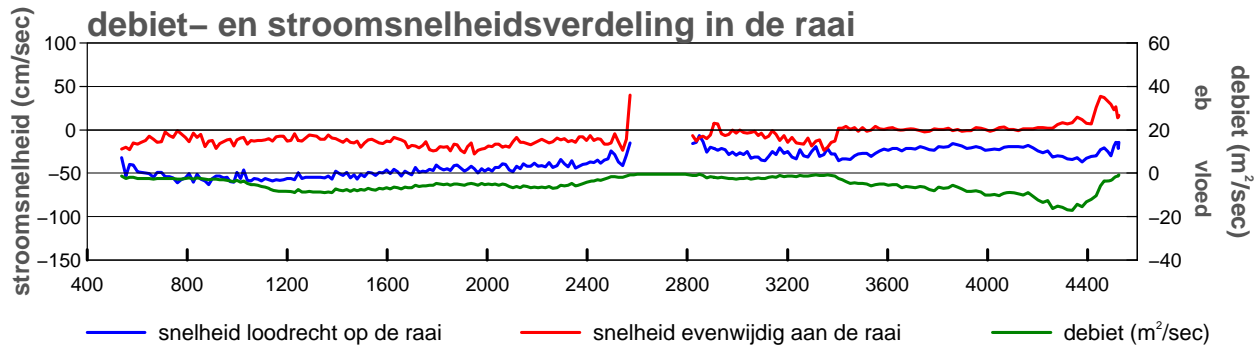
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



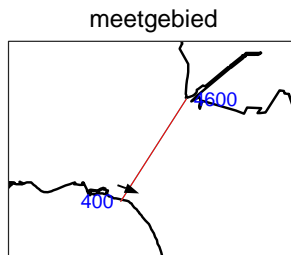
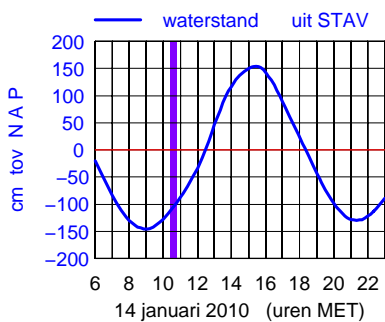
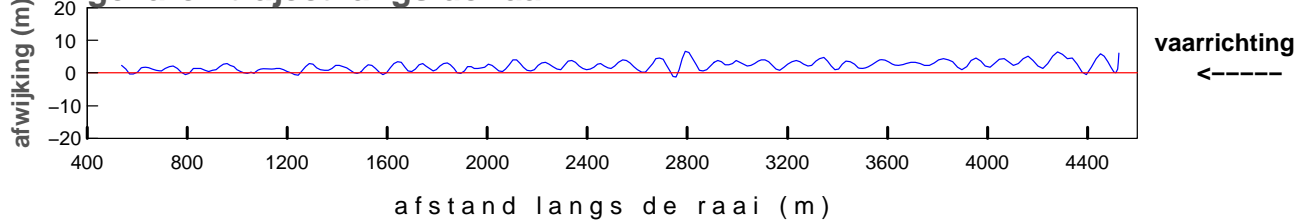
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

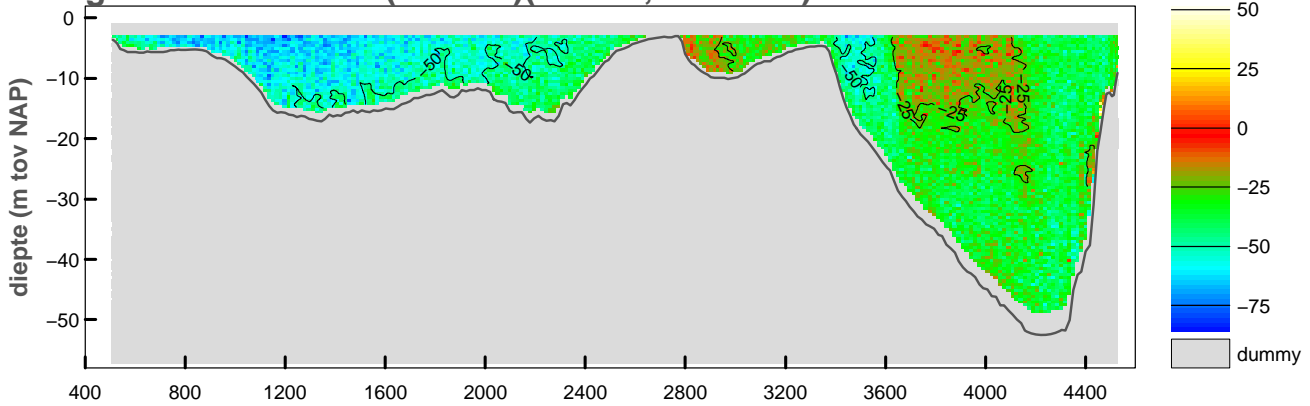


maximum gemiddelde stroom-
 snelheid in de vertikaal

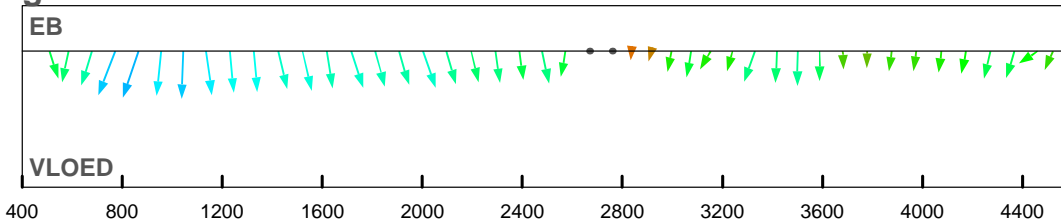
afstand uit nulpunt : 886 m
 stroomsnelheid : 64 cm/sec
 stroomrichting : 111°

doorstroomoppervlak : -65236 m²
 raaidebiet : -21002 m³/sec

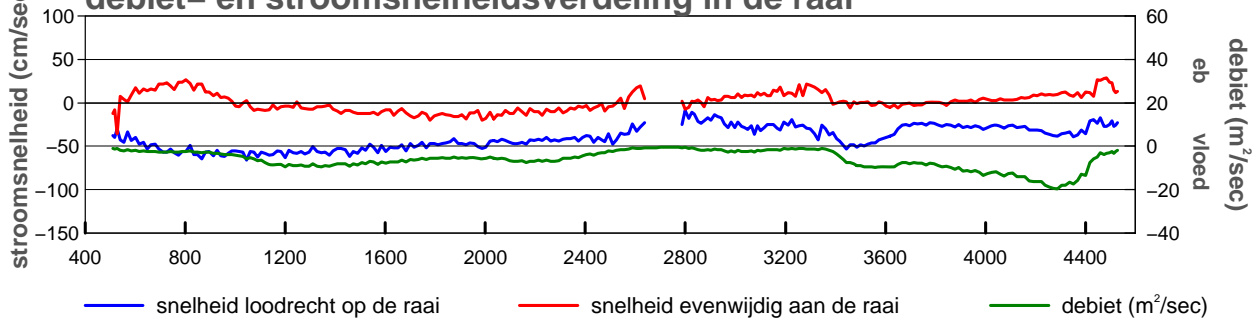
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



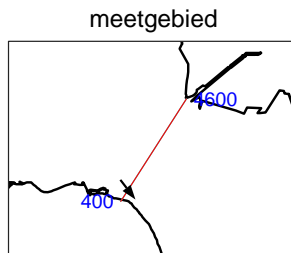
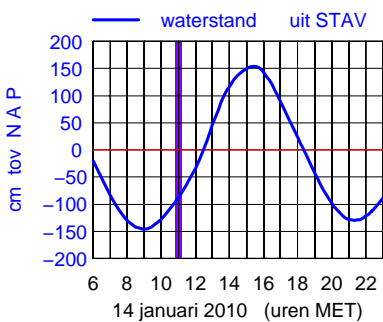
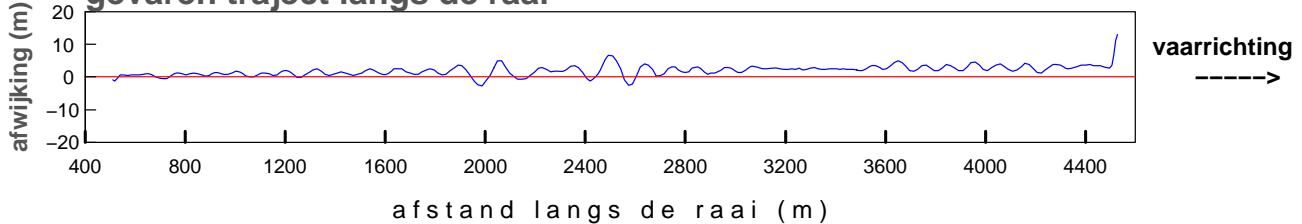
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

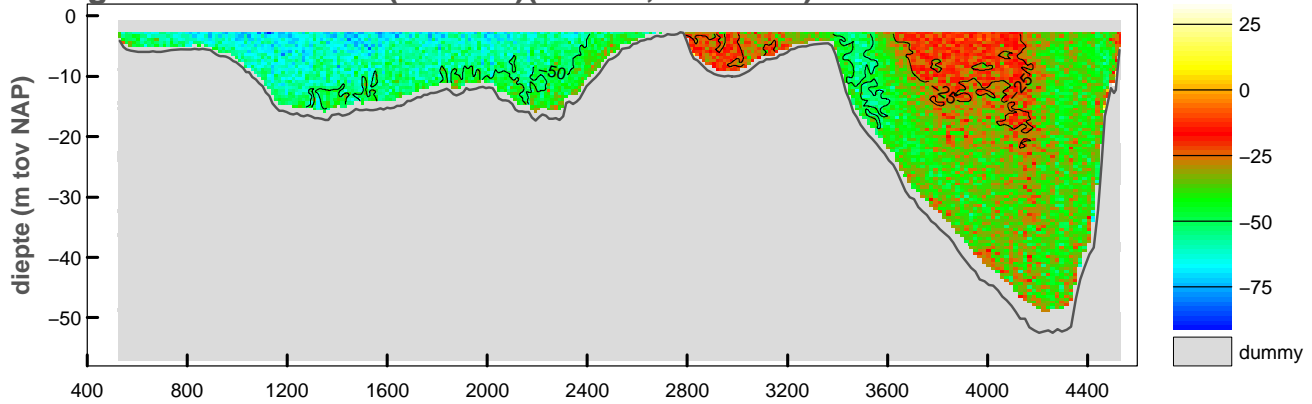


maximum gemiddelde stroom-
 snelheid in de vertikaal

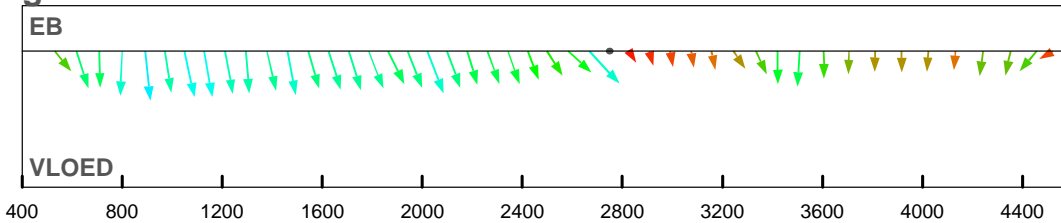
afstand uit nulpunt : 866 m
 stroomsnelheid : 68 cm/sec
 stroomrichting : 142°

doorstroomoppervlak : -66179 m²
 raaidebiet : -24460 m³/sec

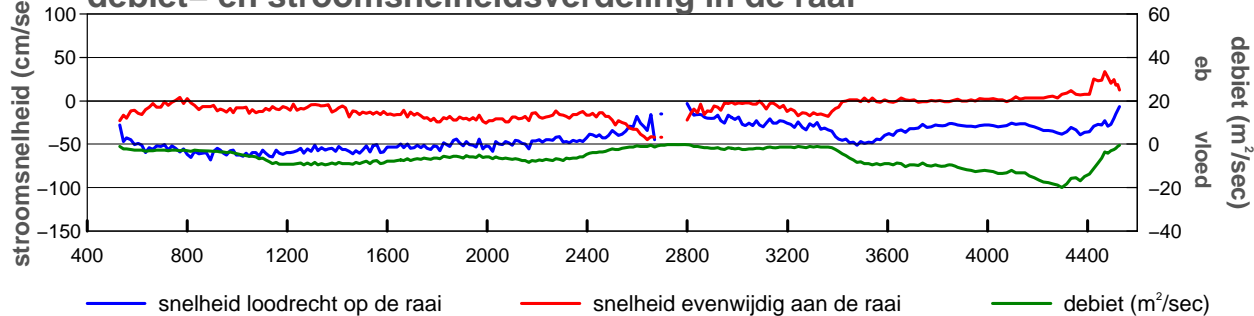
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



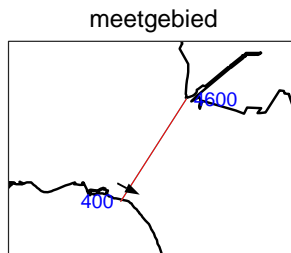
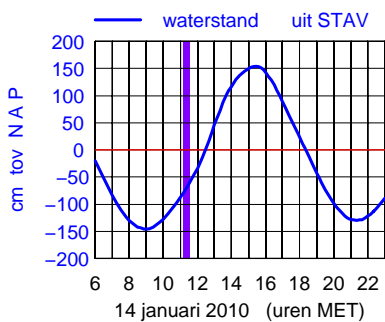
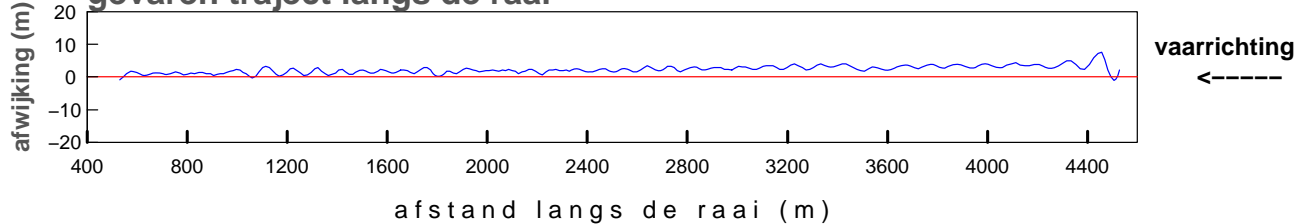
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

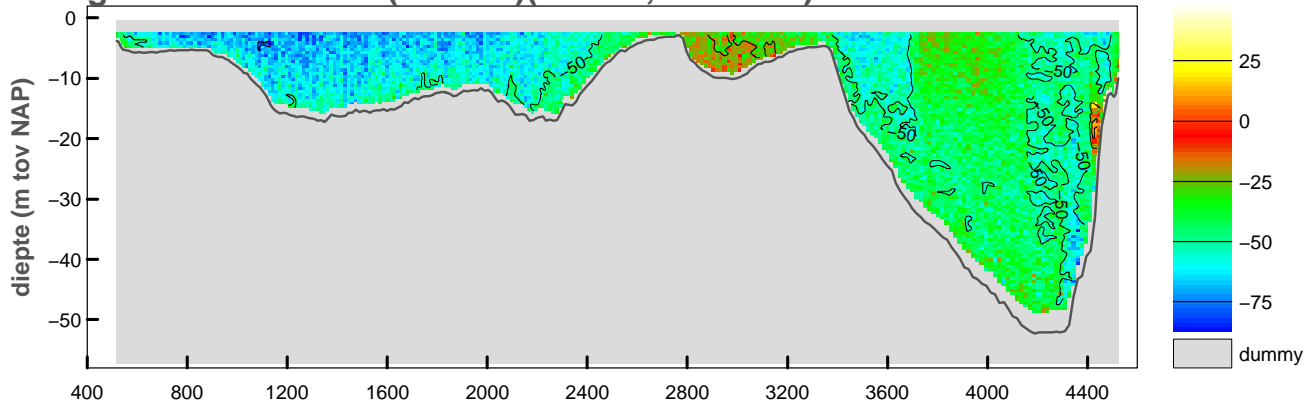


maximum gemiddelde stroom-
 snelheid in de vertikaal

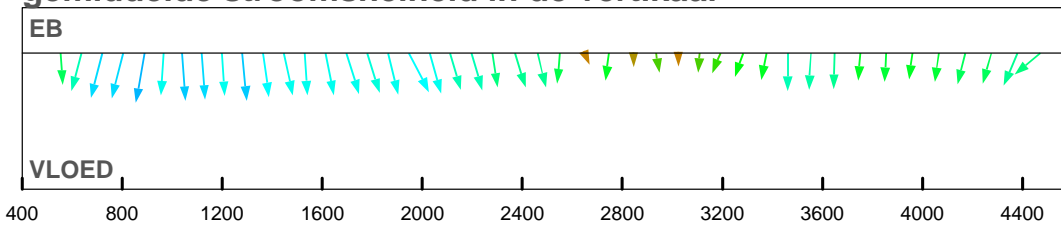
afstand uit nulpunt : 892 m
 stroomsnelheid : 69 cm/sec
 stroomrichting : 117°

doorstroomoppervlak : -66735 m²
 raaidebiet : -25637 m³/sec

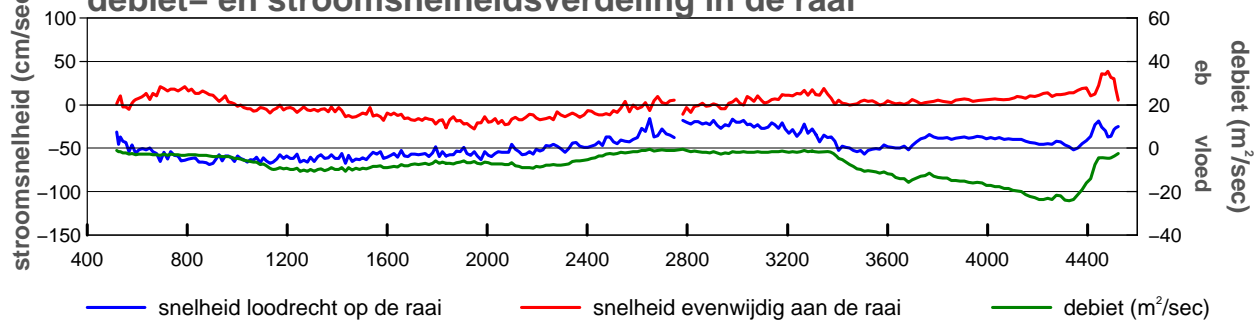
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



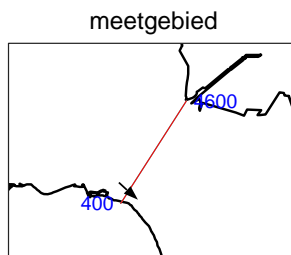
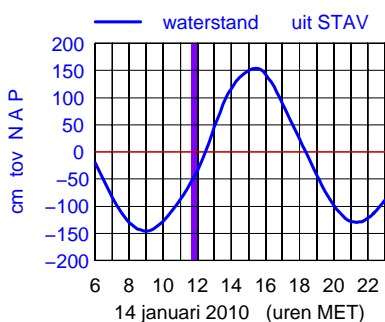
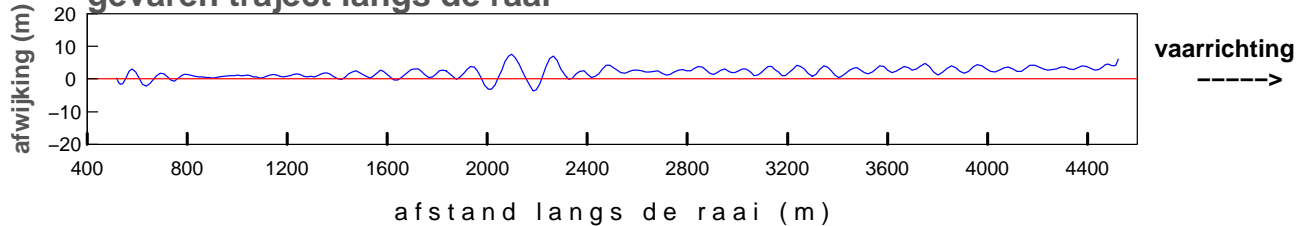
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

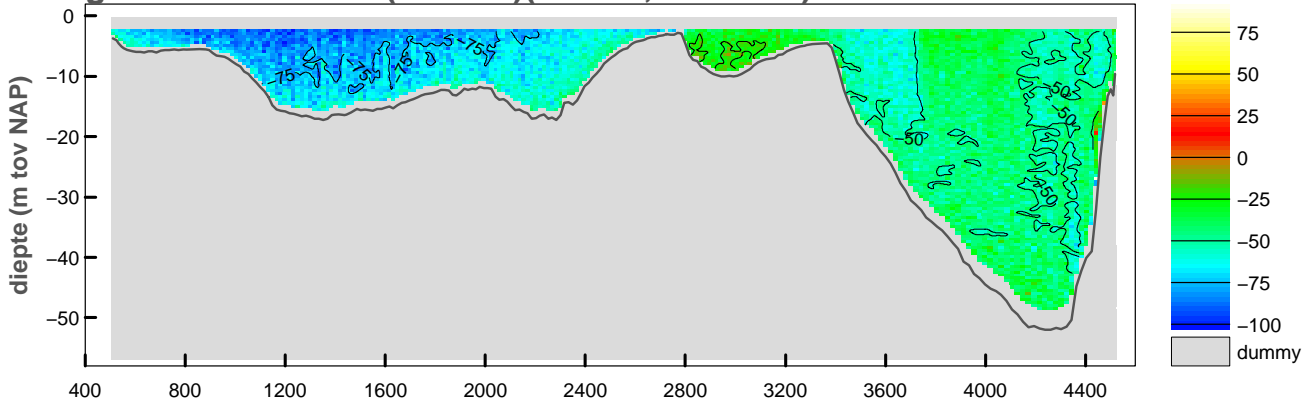


maximum gemiddelde stroom-
 snelheid in de vertikaal

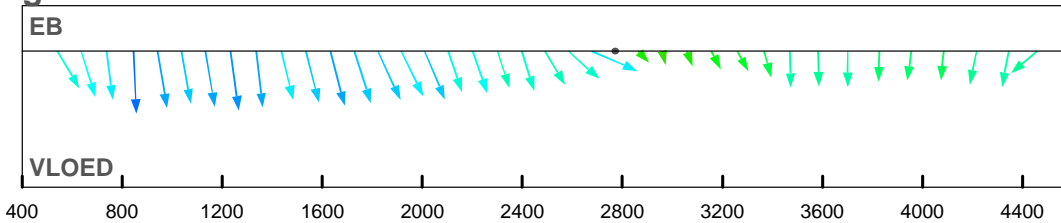
afstand uit nulpunt : 890 m
 stroomsnelheid : 70 cm/sec
 stroomrichting : 133°

doorstroomoppervlak : -67802 m²
 raaidebiet : -30989 m³/sec

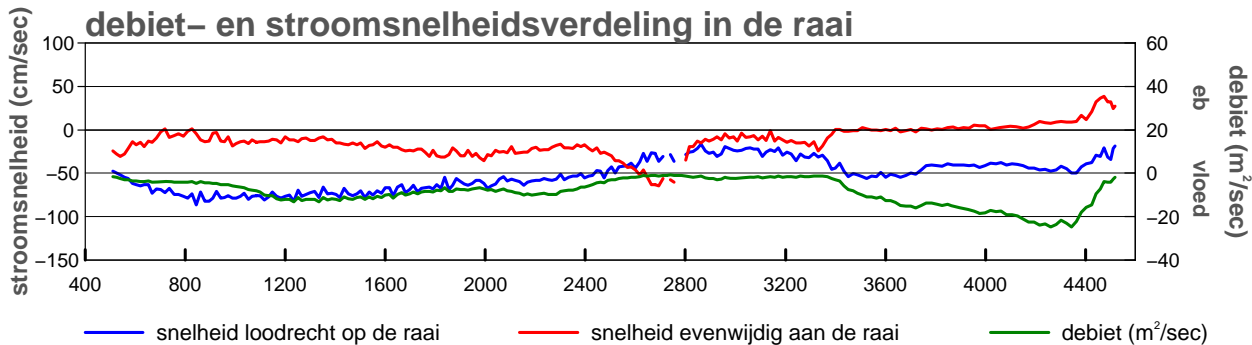
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



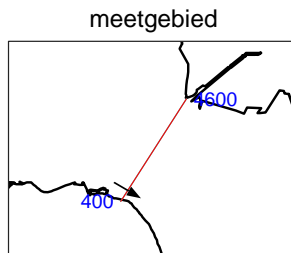
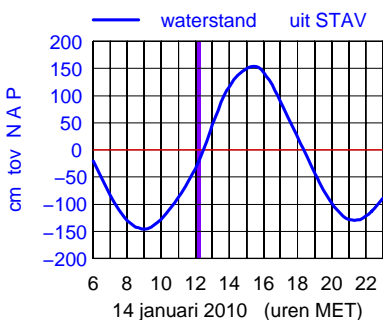
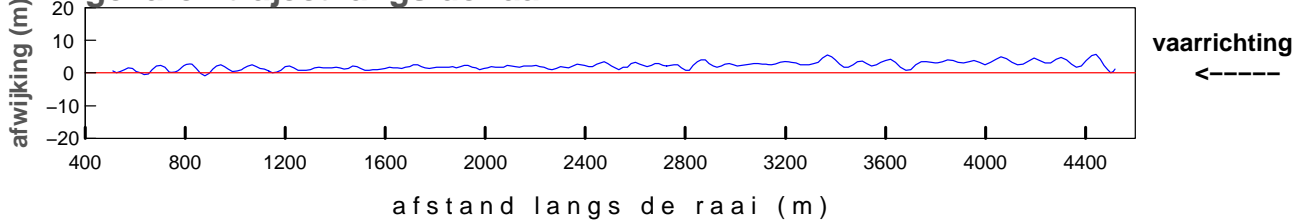
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

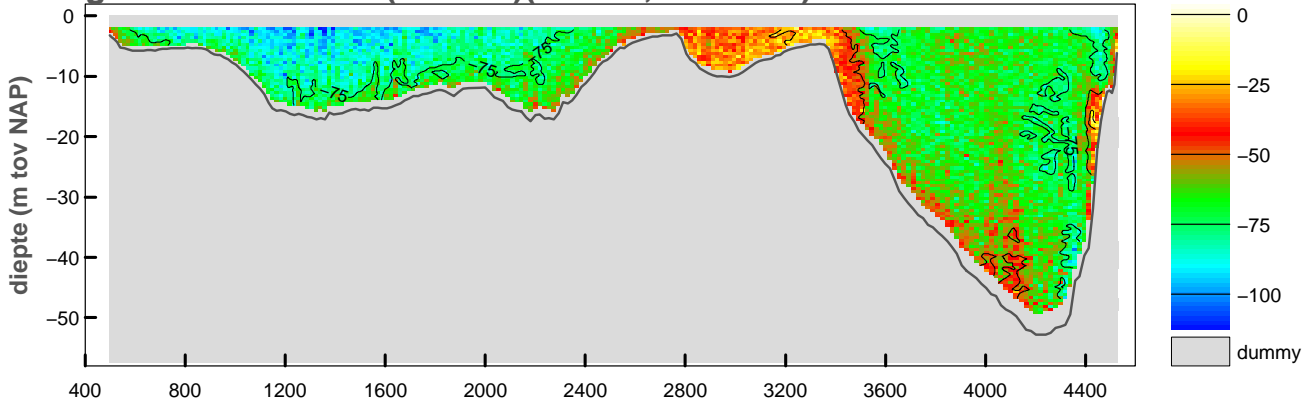


maximum gemiddelde stroom-
 snelheid in de vertikaal

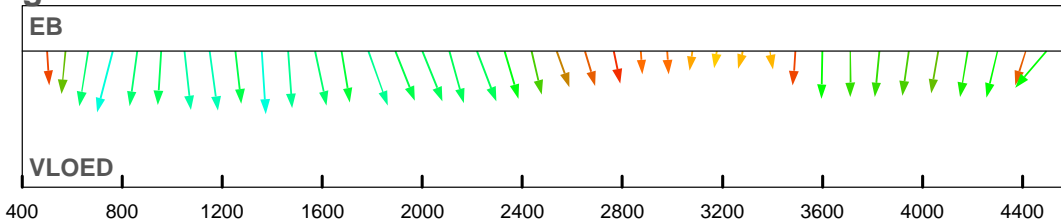
afstand uit nulpunt : 845 m
 stroomsnelheid : 87 cm/sec
 stroomrichting : 120°

doorstroomoppervlak : -68526 m²
 raaidebiet : -34405 m³/sec

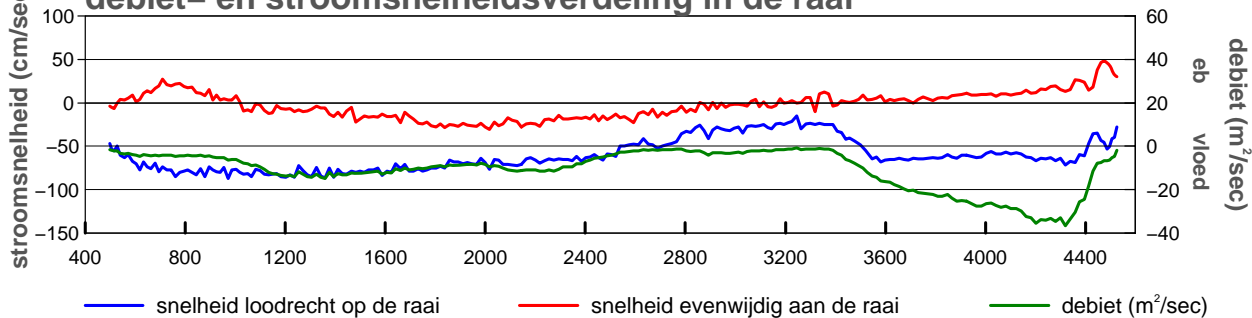
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



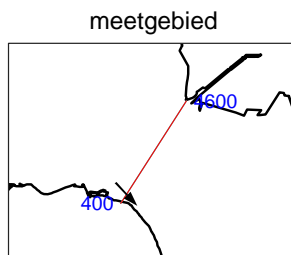
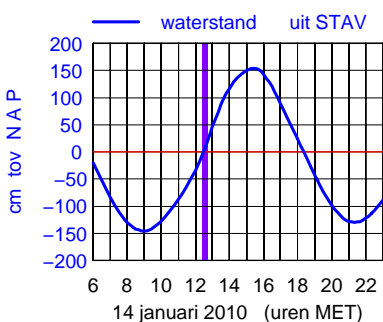
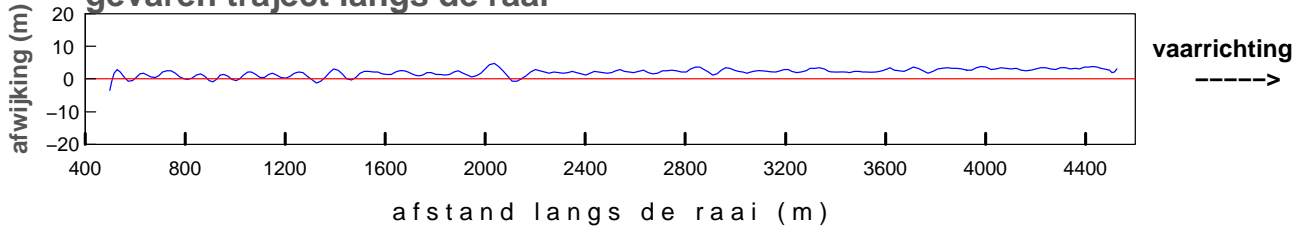
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

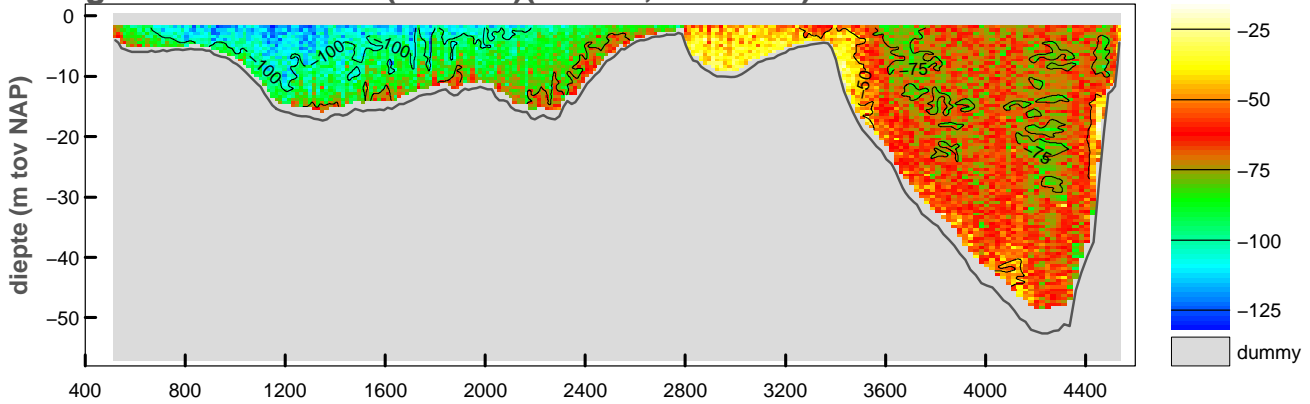


maximum gemiddelde stroom-
 snelheid in de vertikaal

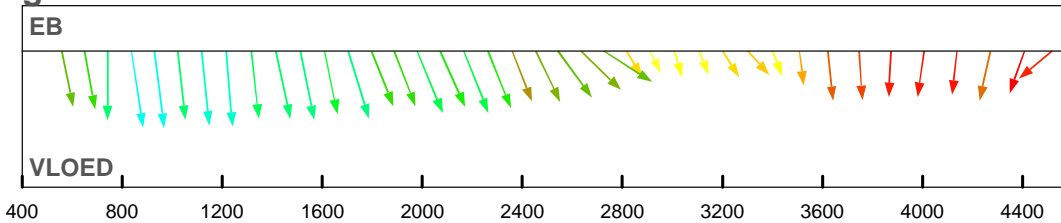
afstand uit nulpunt : 761 m
 stroomsnelheid : 87 cm/sec
 stroomrichting : 137°

doorstroomoppervlak : -70006 m²
 raaidebiet : -43987 m³/sec

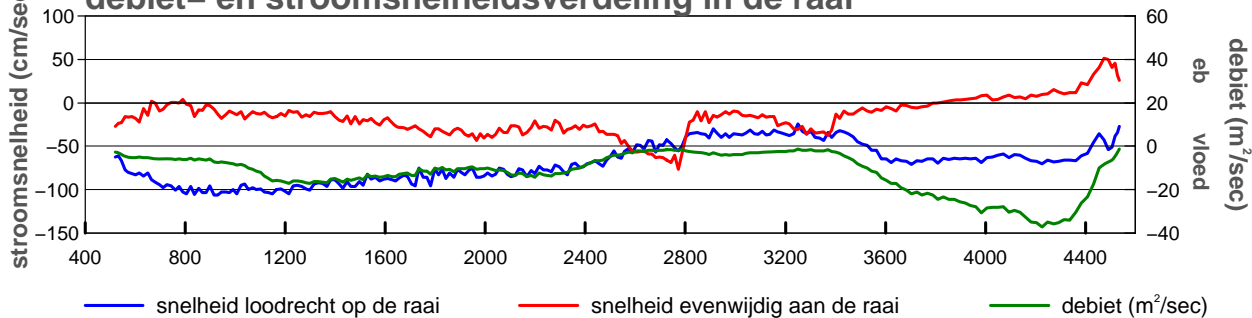
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



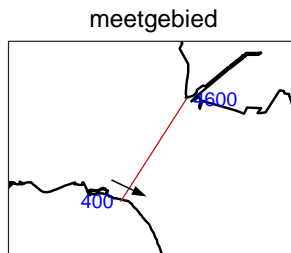
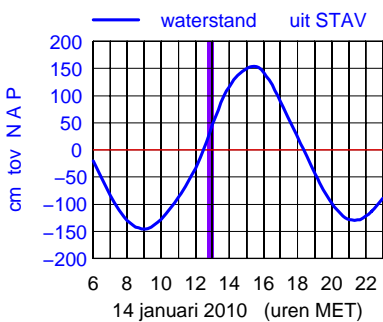
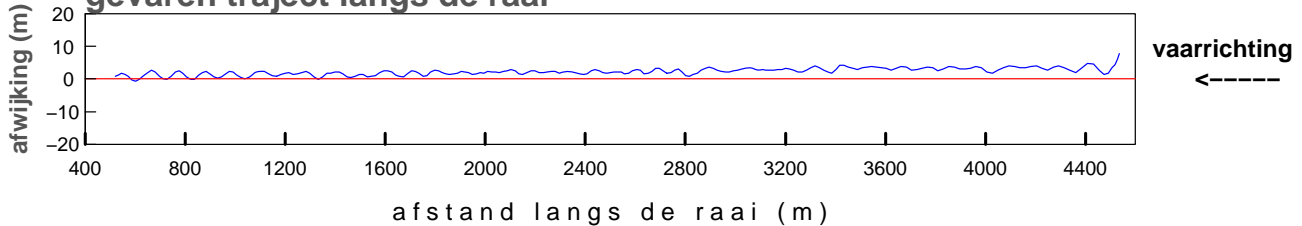
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

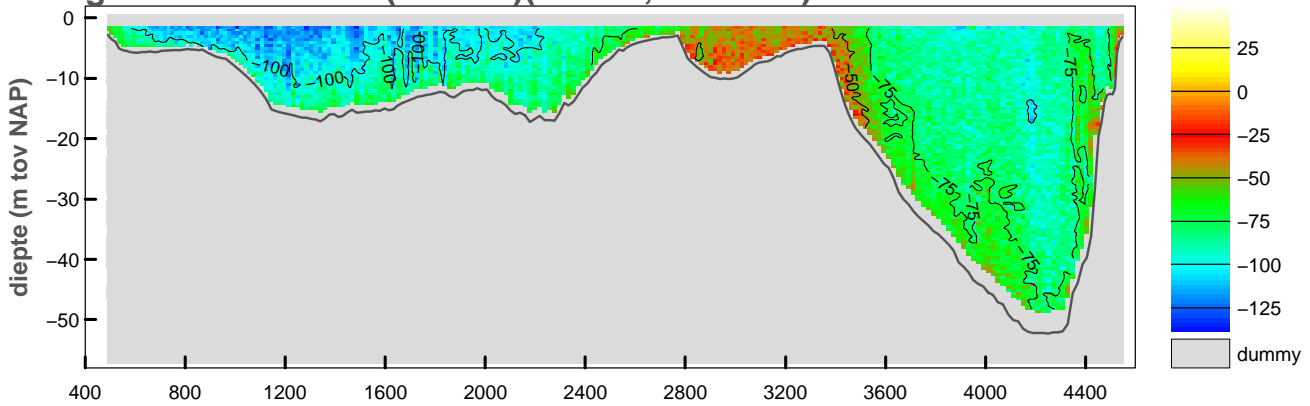


maximum gemiddelde stroom-
 snelheid in de vertikaal

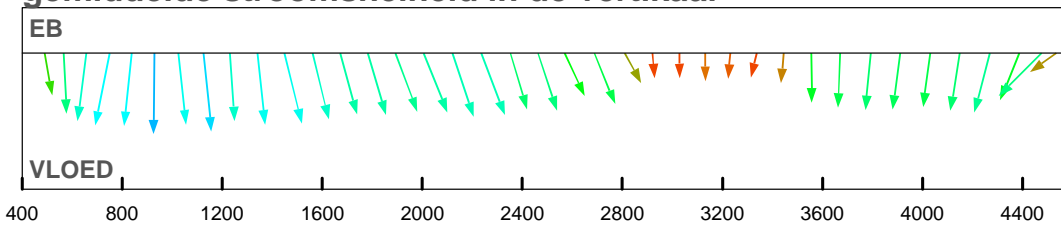
afstand uit nulpunt : 930 m
 stroomsnelheid : 107 cm/sec
 stroomrichting : 116°

doorstroomoppervlak : -71123 m²
 raaidebiet : -48990 m³/sec

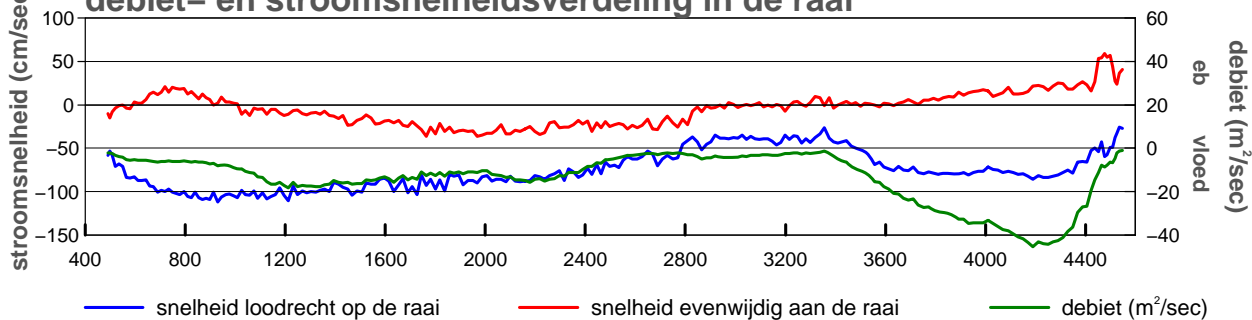
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



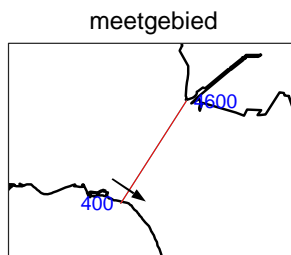
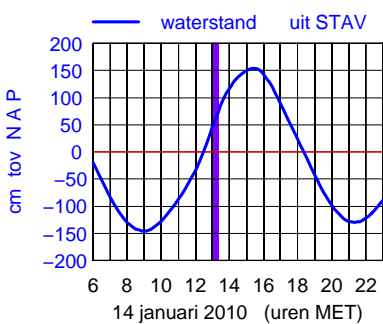
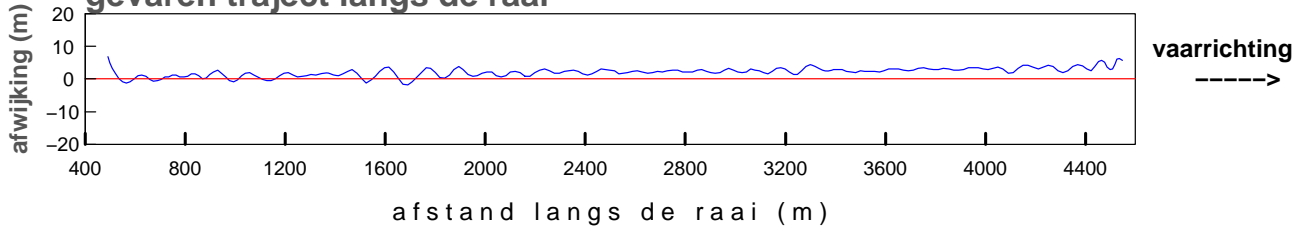
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

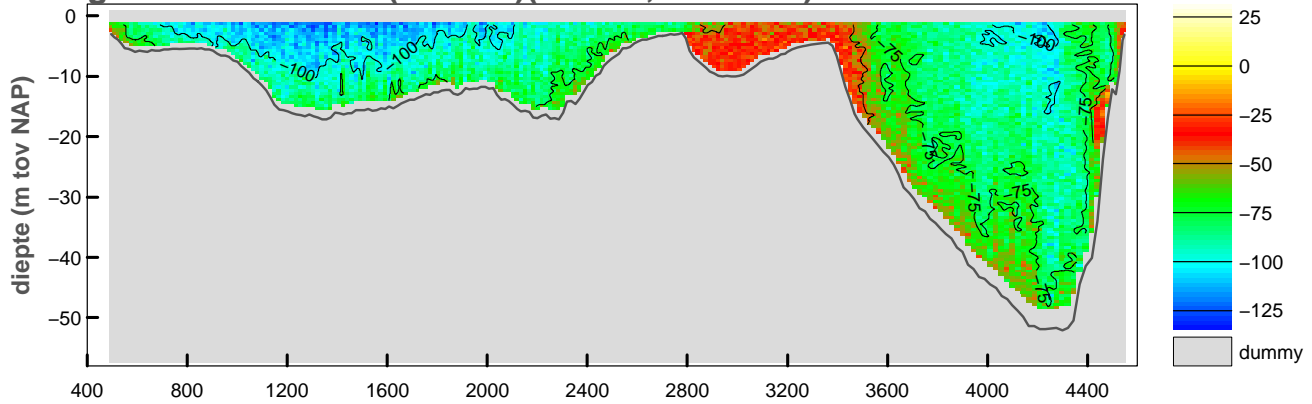


maximum gemiddelde stroom-
 snelheid in de vertikaal

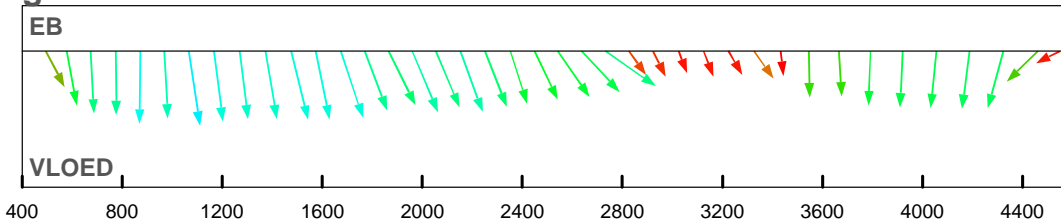
afstand uit nulpunt : 930 m
 stroomsnelheid : 112 cm/sec
 stroomrichting : 124°

doorstroomoppervlak : -72443 m²
 raaidebiet : -56143 m³/sec

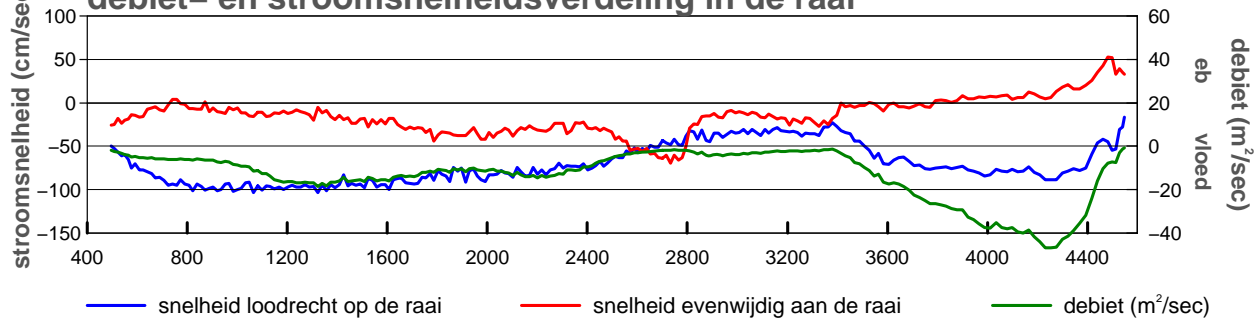
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



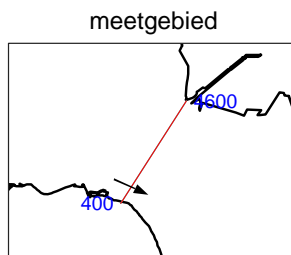
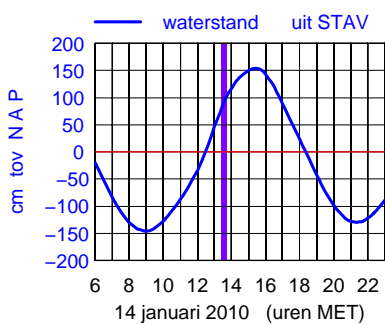
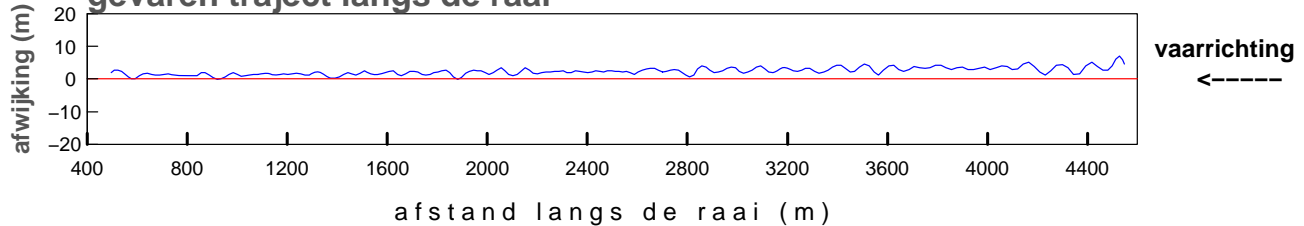
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

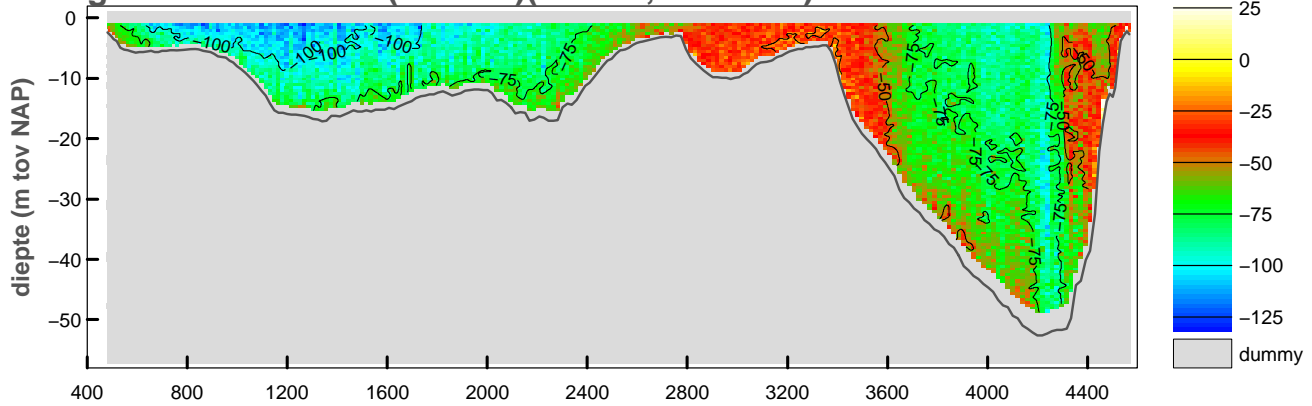


maximum gemiddelde stroom-
 snelheid in de vertikaal

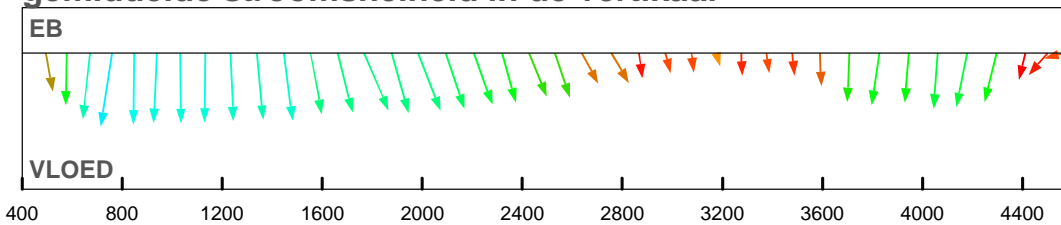
afstand uit nulpunt : 1065 m
 stroomsnelheid : 104 cm/sec
 stroomrichting : 114°

doorstroomoppervlak : -73155 m²
 raaidebiet : -54927 m³/sec

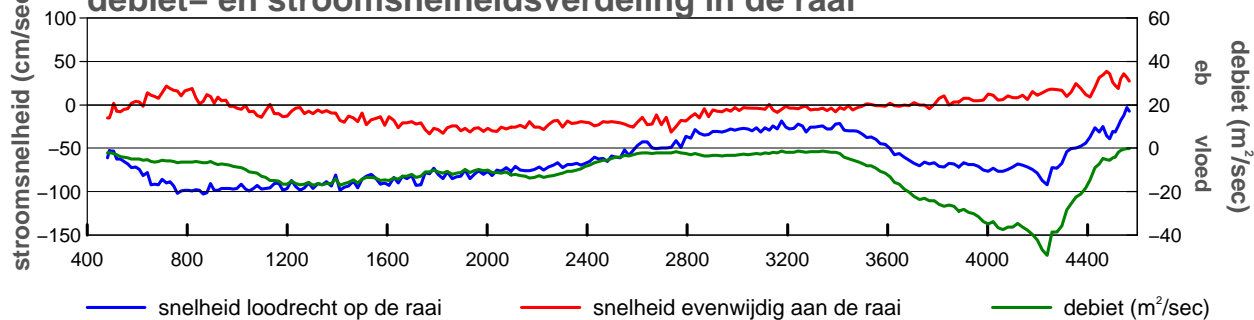
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



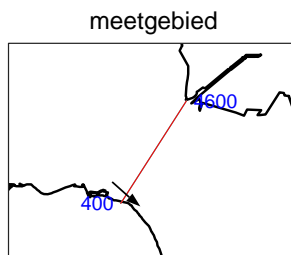
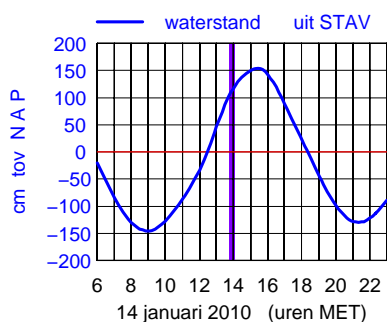
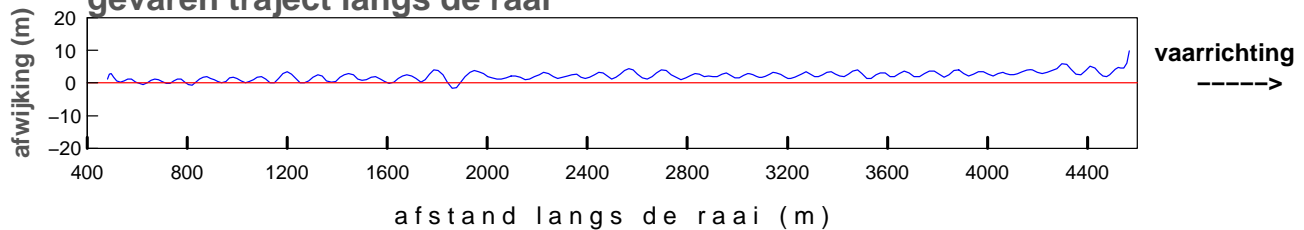
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai



maximum gemiddelde stroom-
snelheid in de vertikaal

afstand uit nulpunt : 761 m

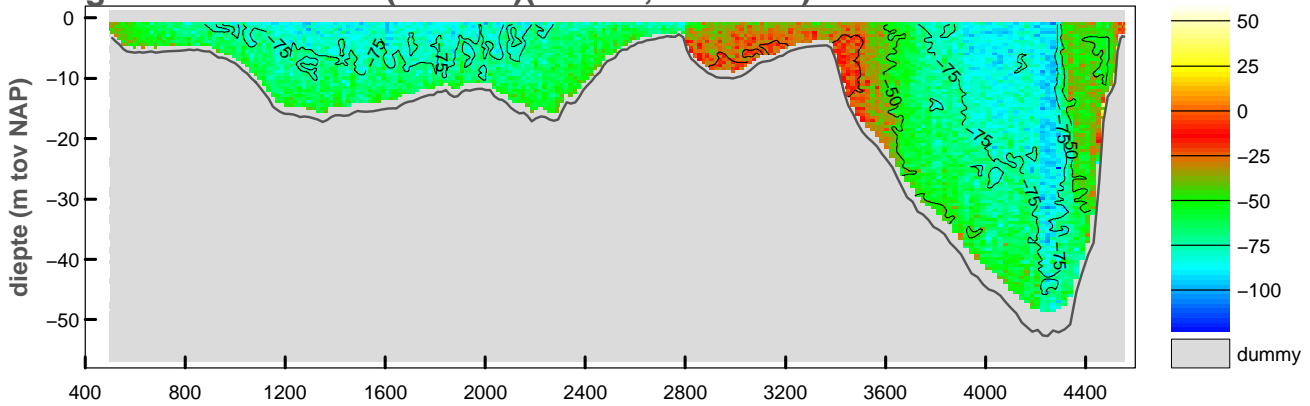
stromsnelheid : 103 cm/sec

stroomrichting : 132°

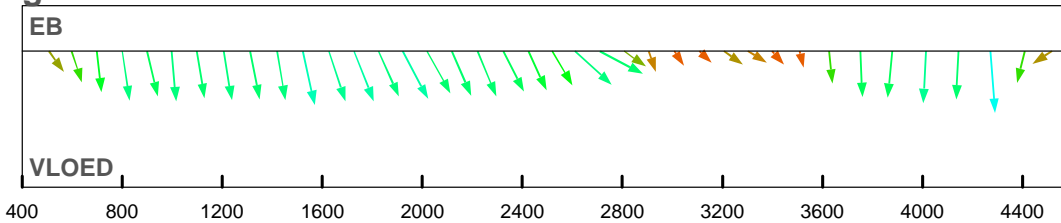
doorstroomoppervlak : -74134 m²

raaidebiet : -49976 m³/sec

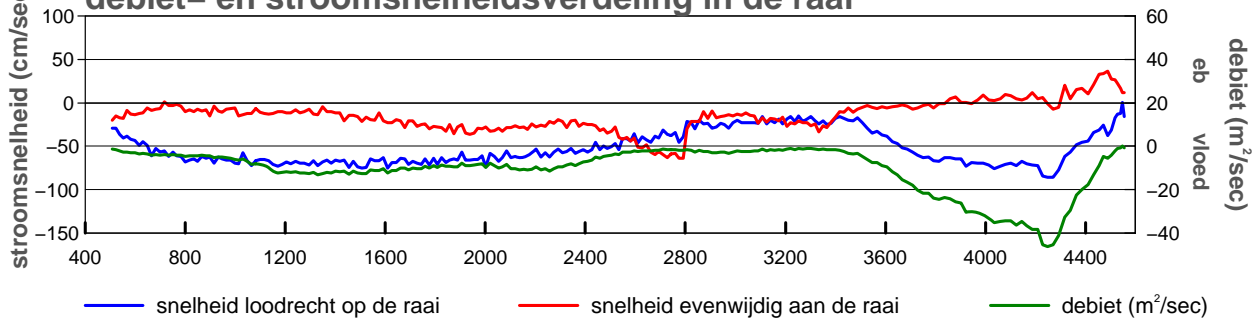
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



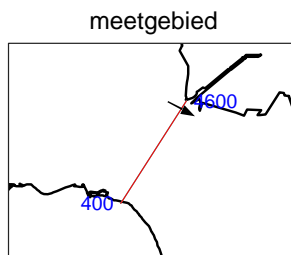
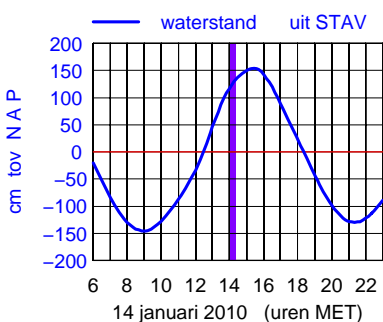
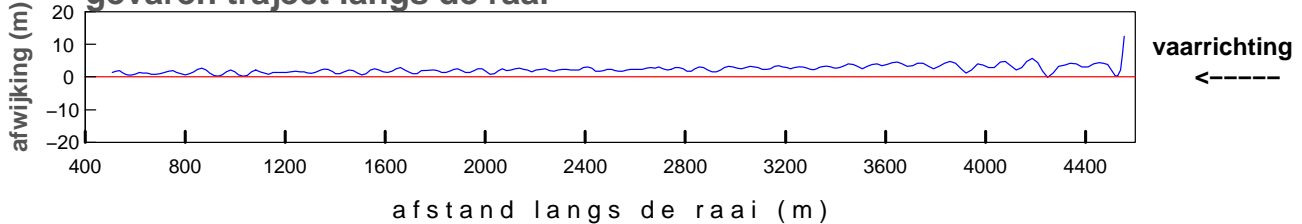
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

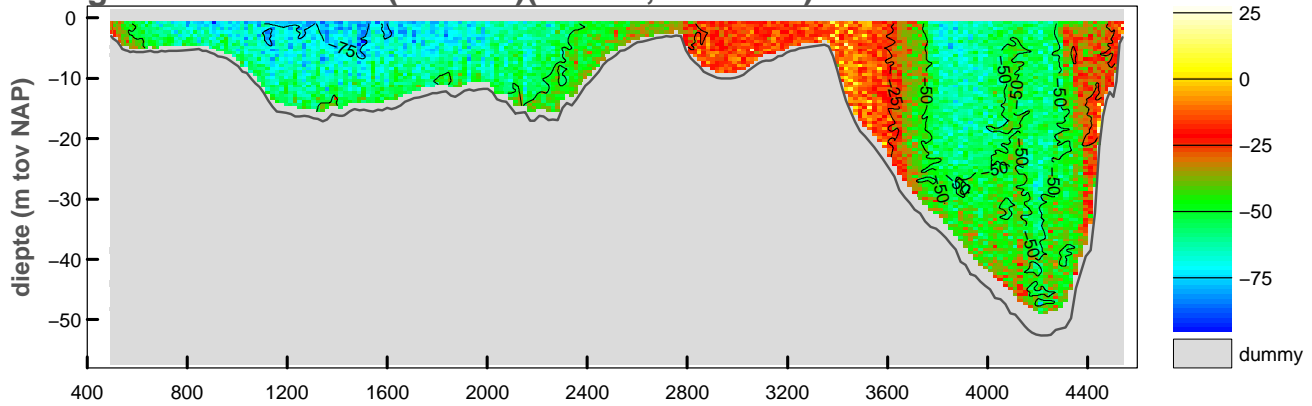


maximum gemiddelde stroom-
 snelheid in de vertikaal

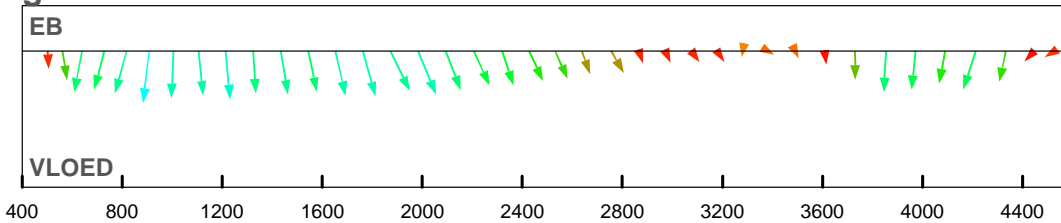
afstand uit nulpunt : 4271 m
 stroomsnelheid : 86 cm/sec
 stroomrichting : 118°

doorstroomoppervlak : -74378 m²
 raaidebiet : -43572 m³/sec

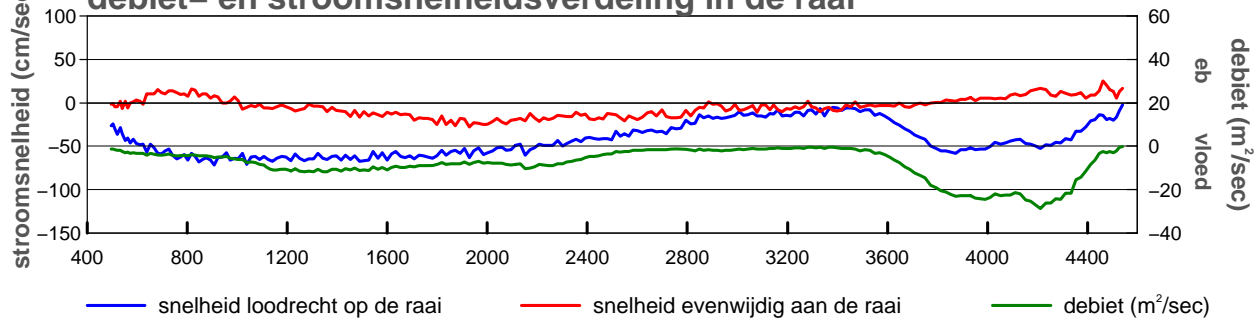
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



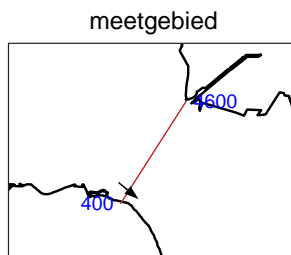
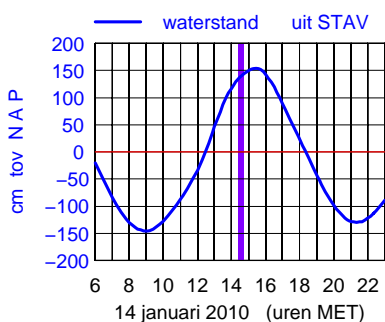
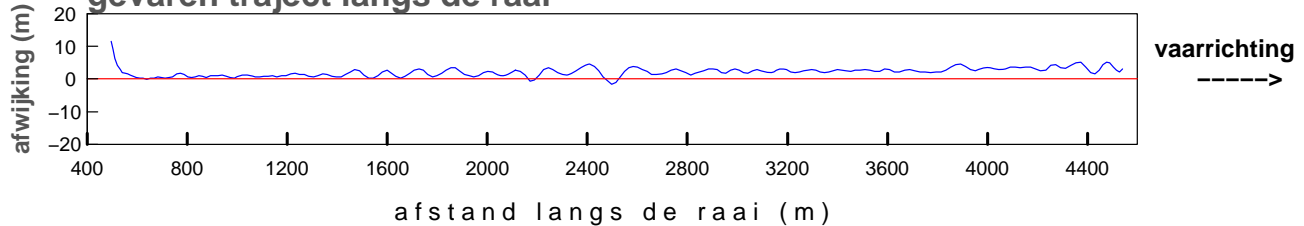
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

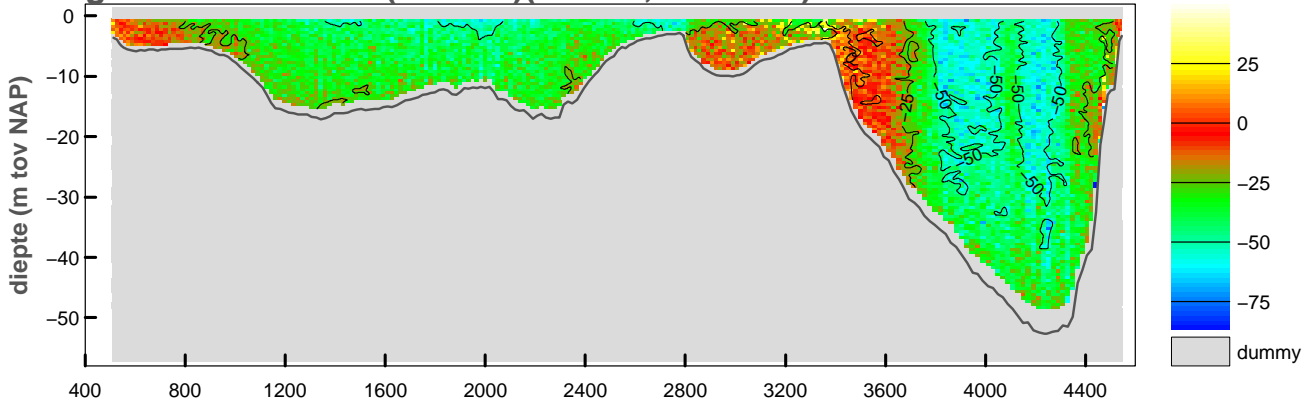


maximum gemiddelde stroom-
snelheid in de vertikaal

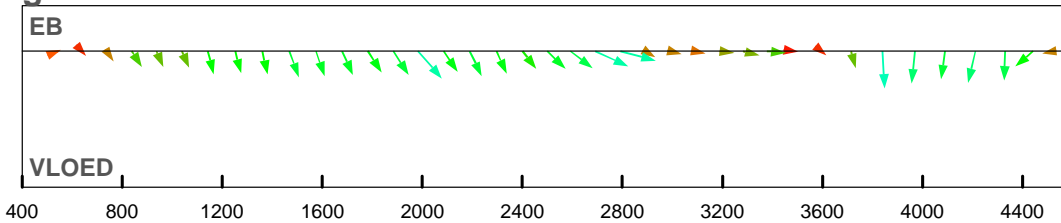
afstand uit nulpunt : 908 m
 stroomsnelheid : 72 cm/sec
 stroomrichting : 129°

doorstroomoppervlak : -74961 m²
 raaidebiet : -33097 m³/sec

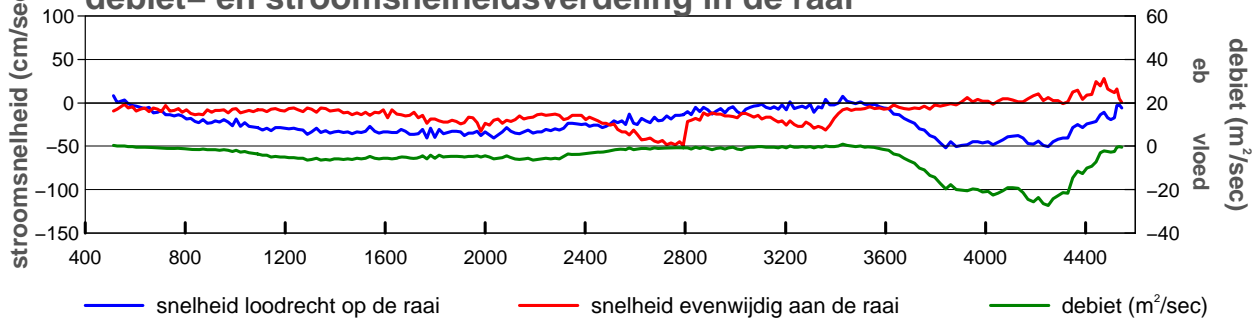
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



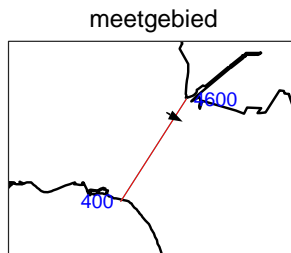
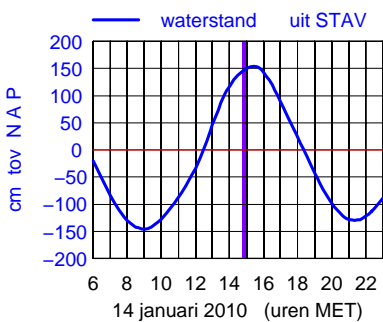
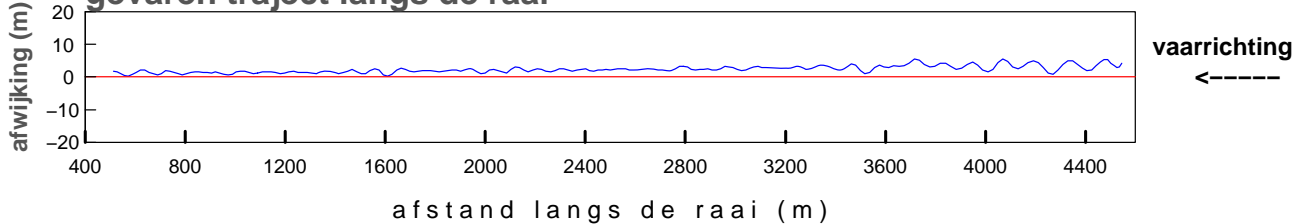
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

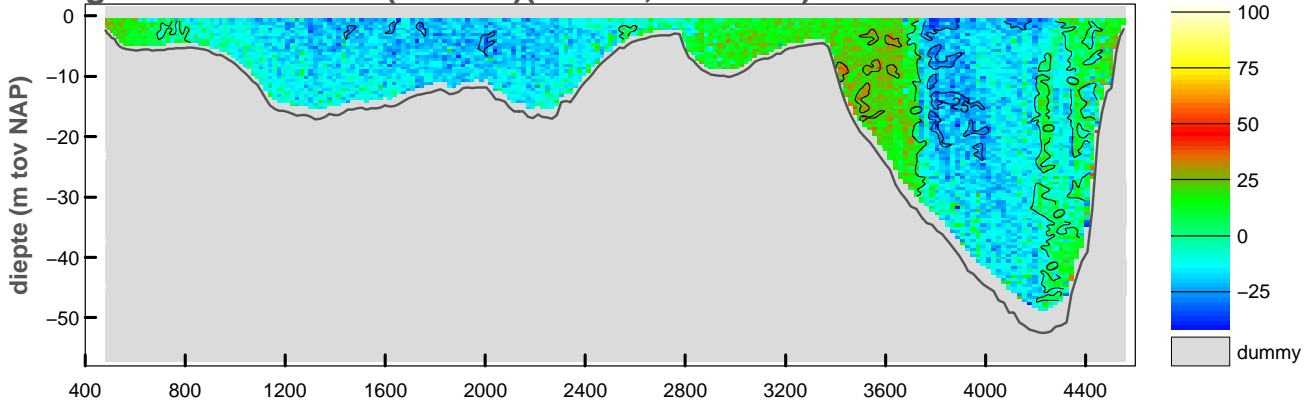


maximum gemiddelde stroom-
 snelheid in de vertikaal

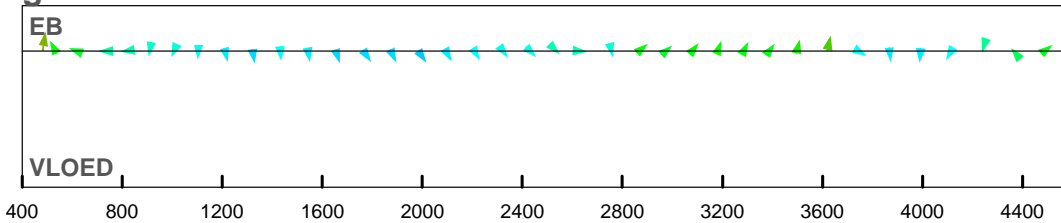
afstand uit nulpunt : 3841 m
 stroomsnelheid : 52 cm/sec
 stroomrichting : 120°

doorstroomoppervlak : -75200 m²
 raaidebiet : -22896 m³/sec

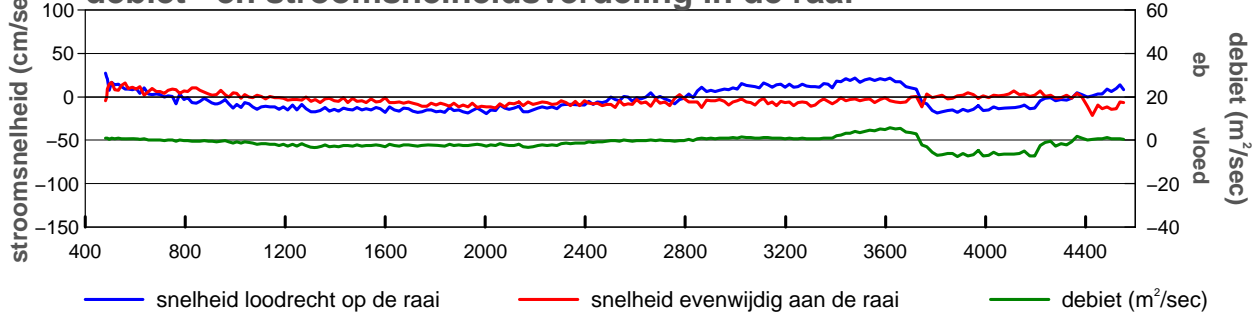
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



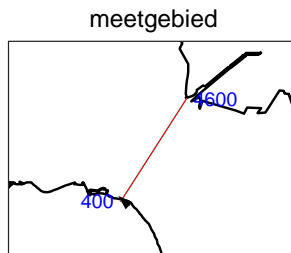
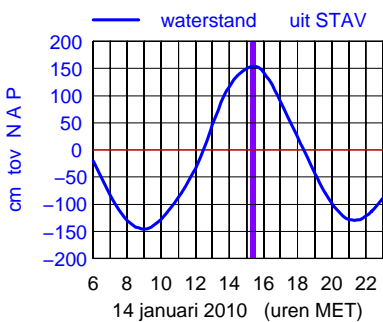
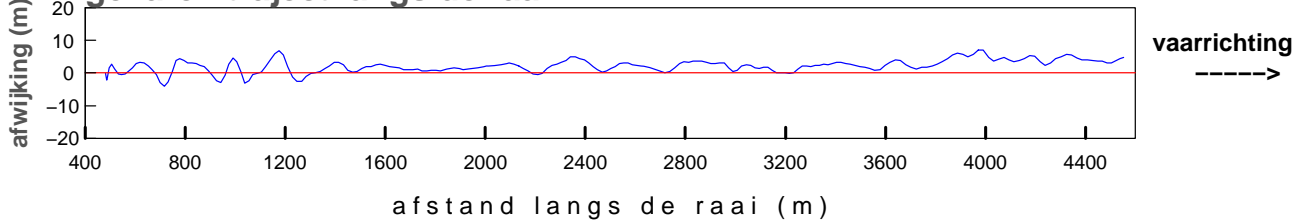
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

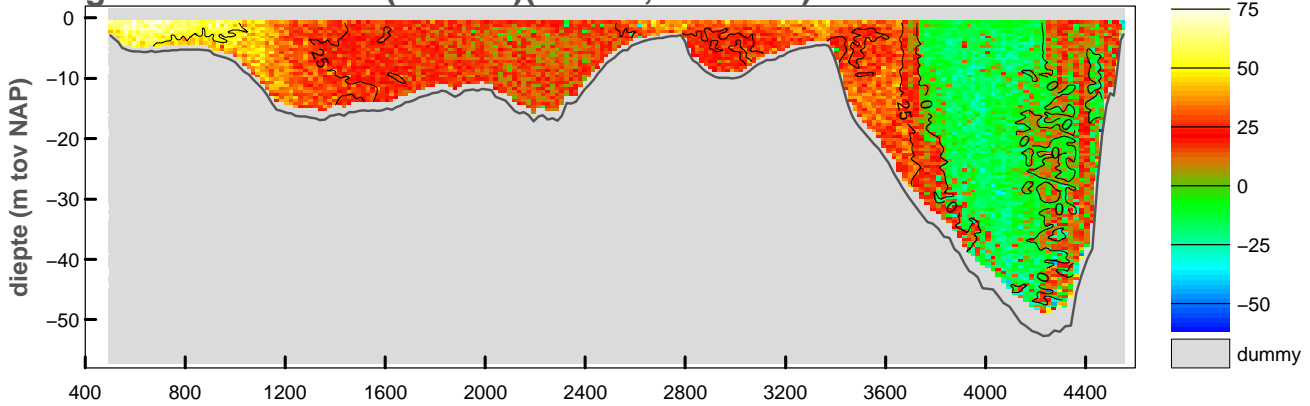


maximum gemiddelde stroom-
 snelheid in de vertikaal

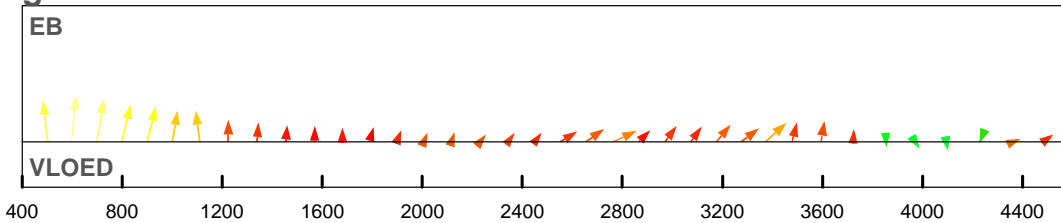
afstand uit nulpunt : 482 m
 stroomsnelheid : 27 cm/sec
 stroomrichting : 312°

doorstroomoppervlak : -75676 m²
 raaidebiet : -4137 m³/sec

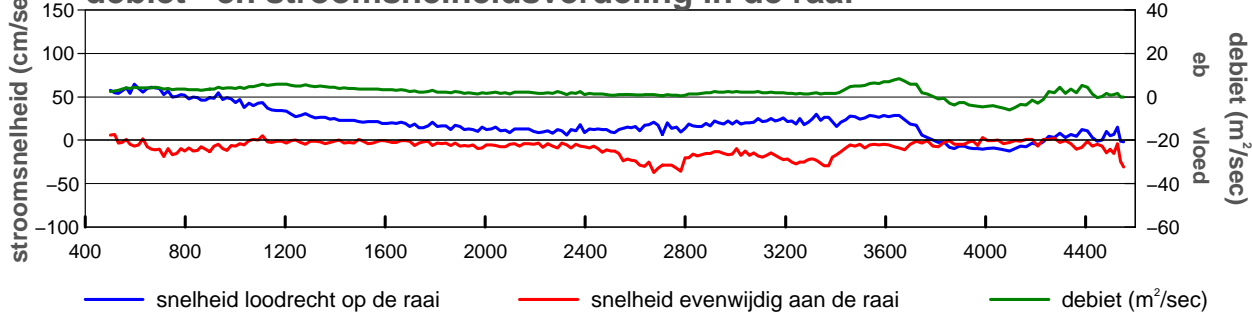
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



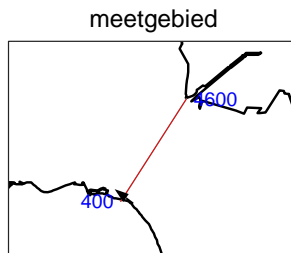
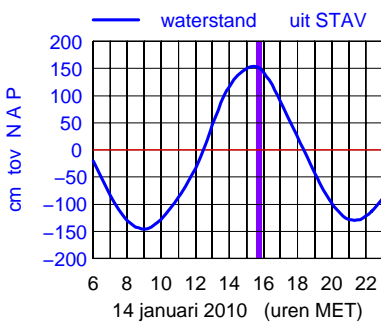
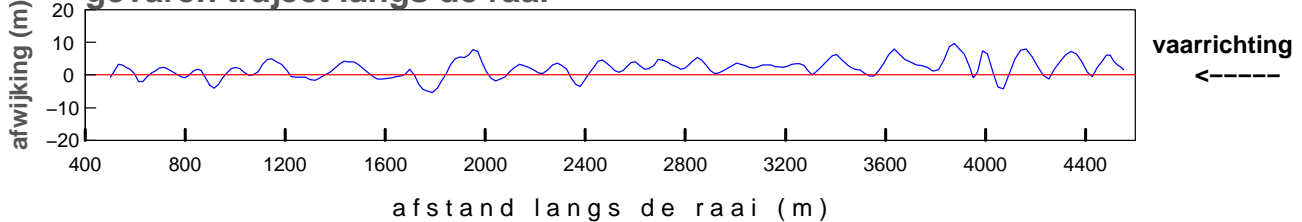
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

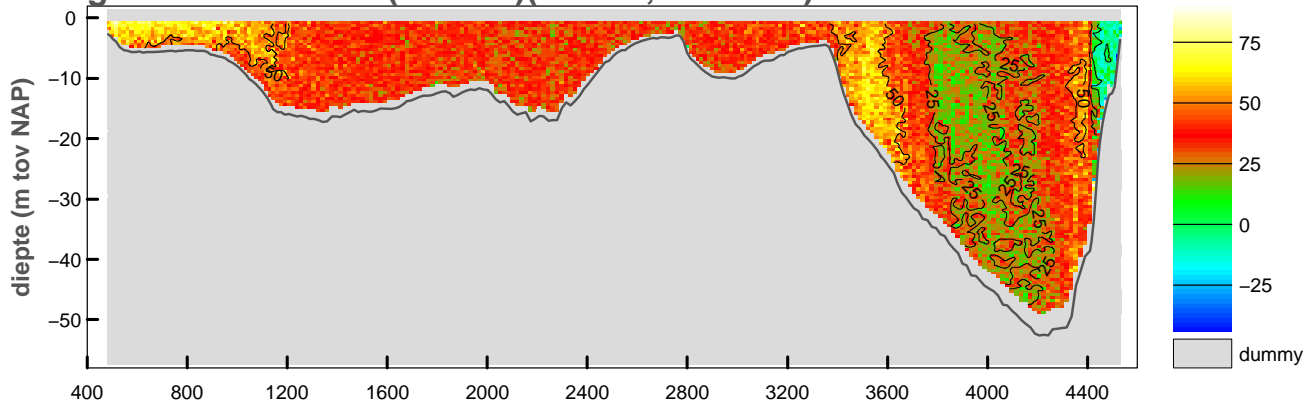


maximum gemiddelde stroom-
 snelheid in de vertikaal

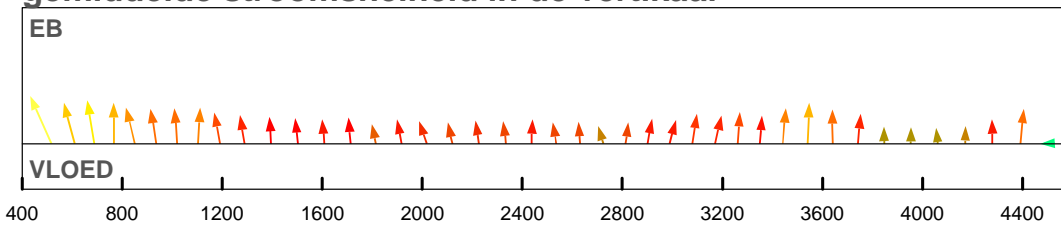
afstand uit nulpunt : 597 m
 stroomsnelheid : 65 cm/sec
 stroomrichting : 308°

doorstroomoppervlak : -75296 m²
 raaidebiet : 8887 m³/sec

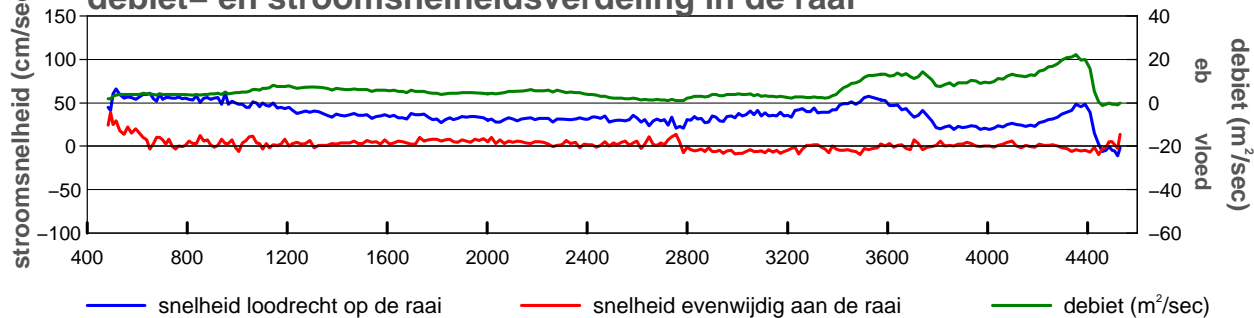
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



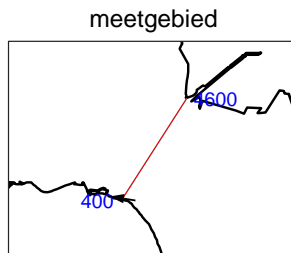
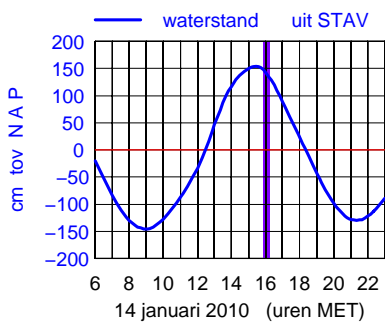
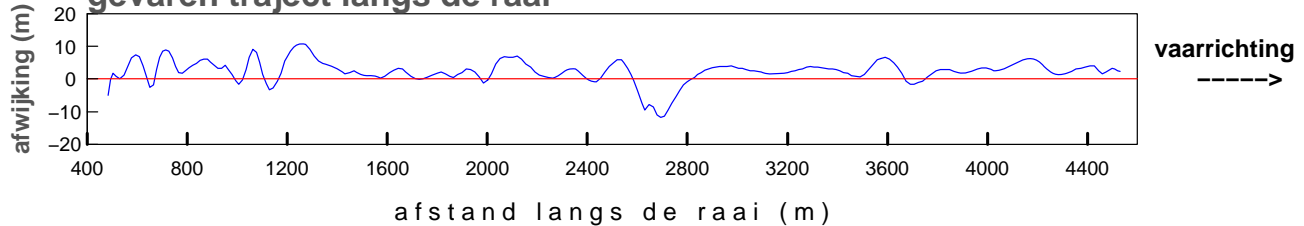
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

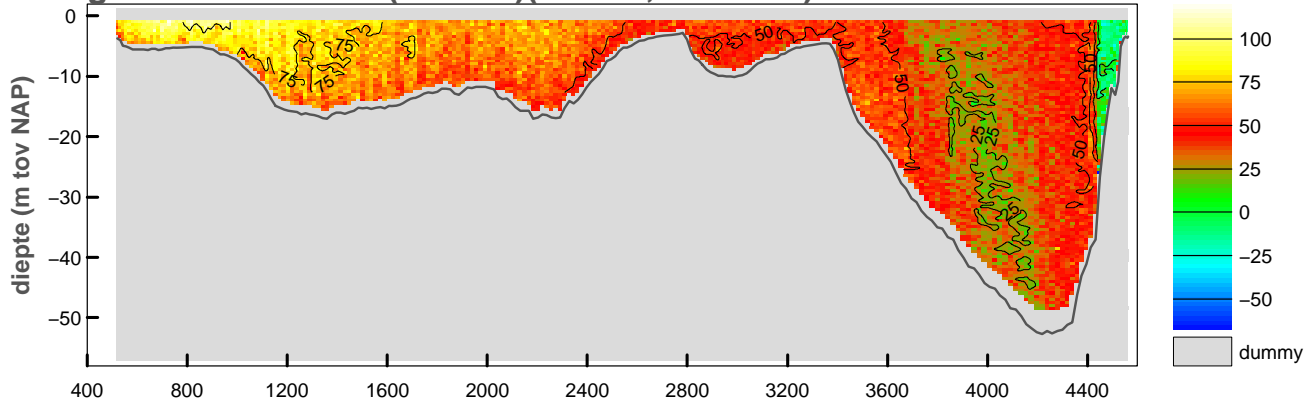


maximum gemiddelde stroom-
 snelheid in de vertikaal

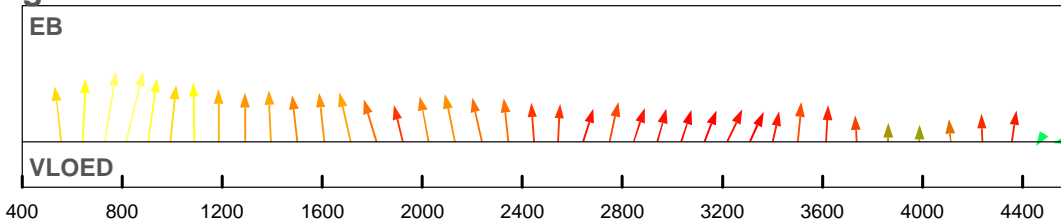
afstand uit nulpunt : 516 m
 stroomsnelheid : 72 cm/sec
 stroomrichting : 279°

doorstroomoppervlak : -74979 m²
 raaidebiet : 25183 m³/sec

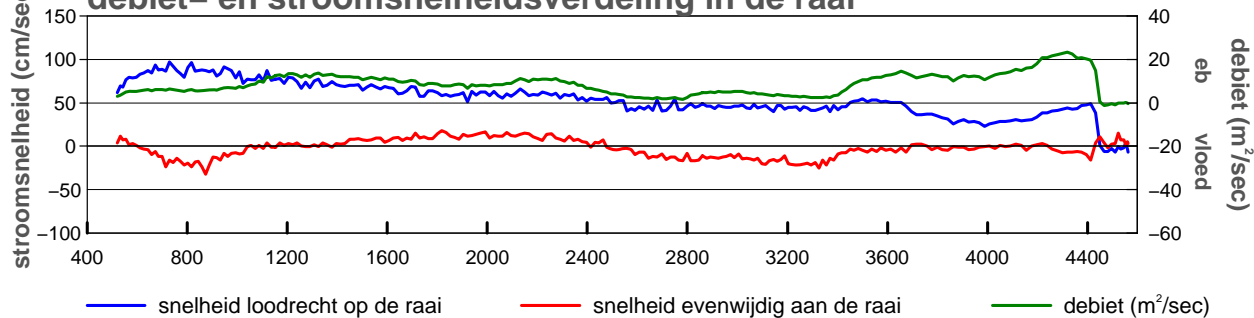
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



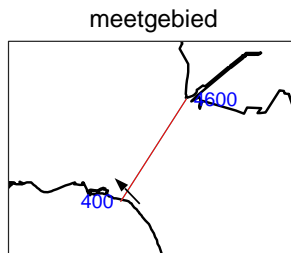
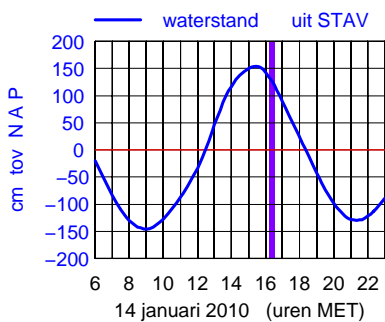
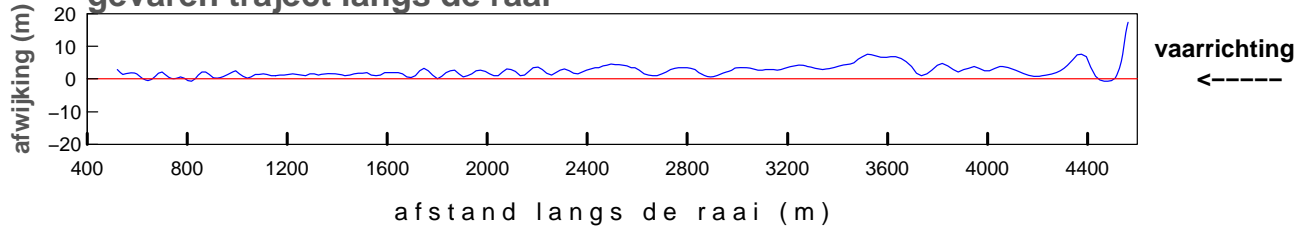
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

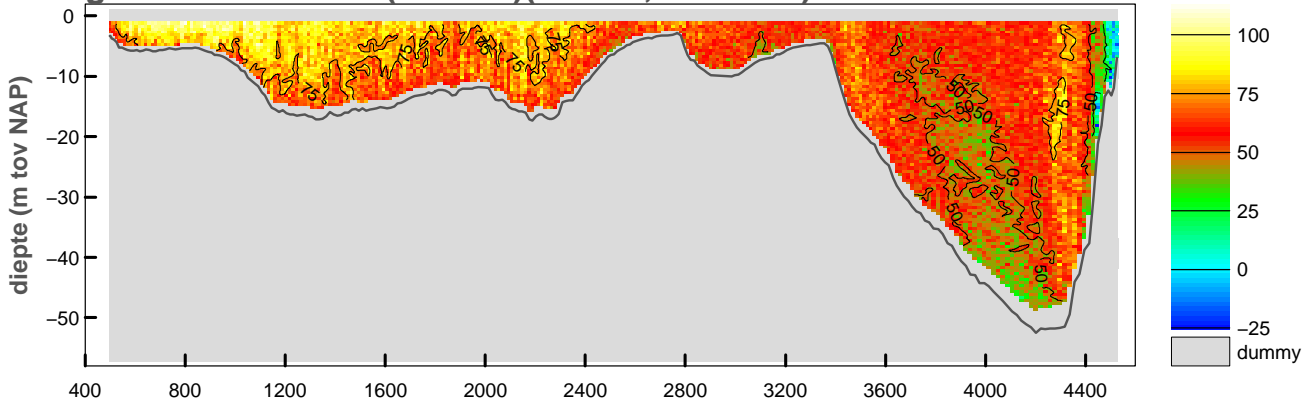


maximum gemiddelde stroom-
 snelheid in de vertikaal

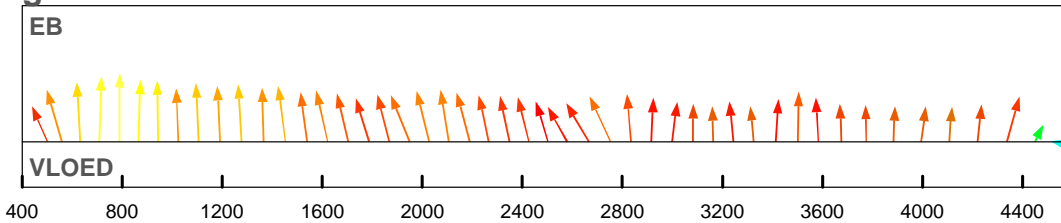
afstand uit nulpunt : 817 m
 stroomsnelheid : 99 cm/sec
 stroomrichting : 316°

doorstroomoppervlak : -74238 m²
 raaidebiet : 35286 m³/sec

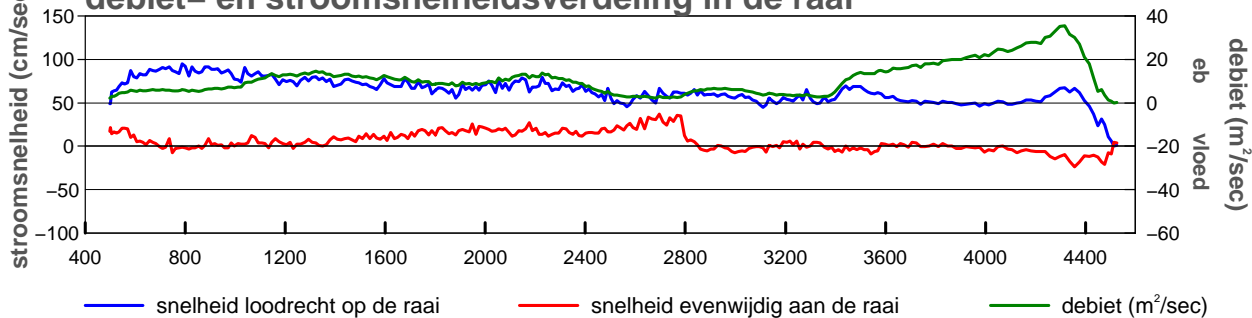
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



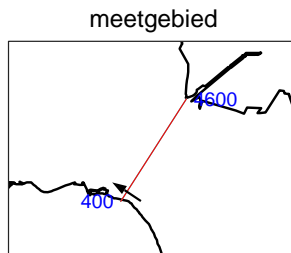
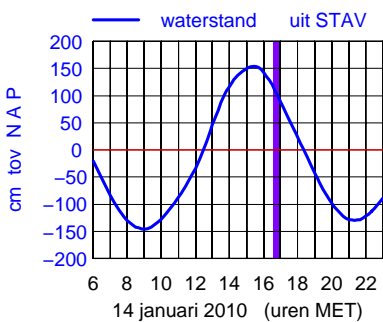
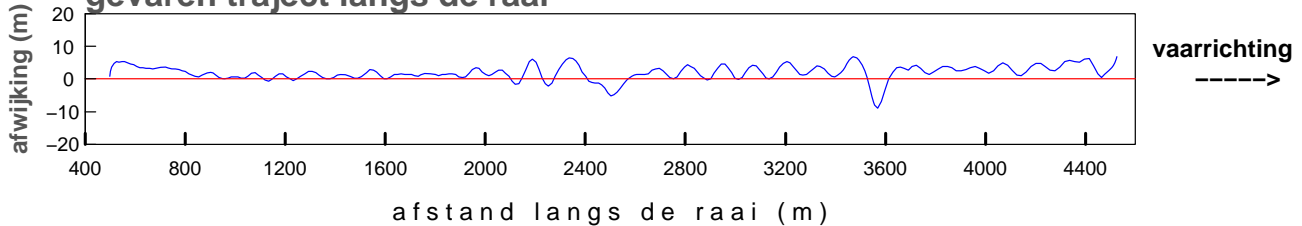
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

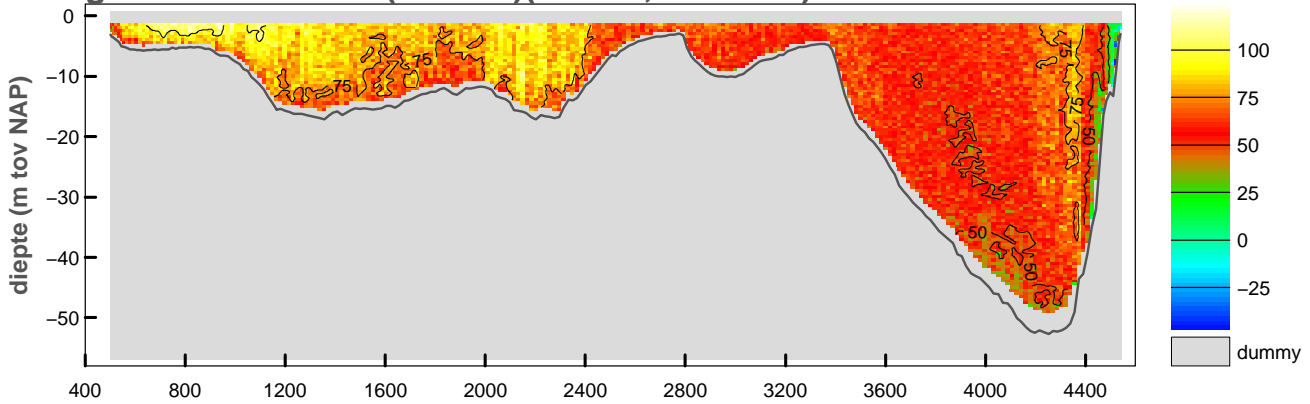


maximum gemiddelde stroom-
 snelheid in de vertikaal

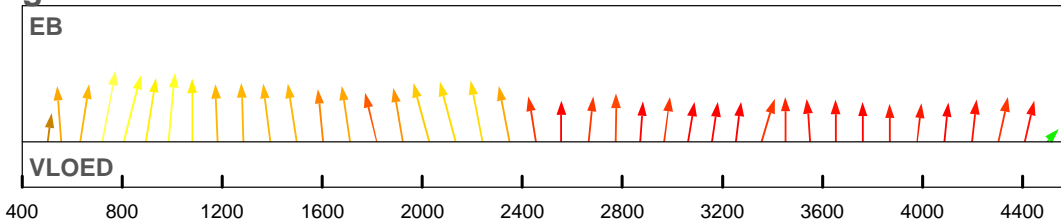
afstand uit nulpunt : 788 m
 stroomsnelheid : 95 cm/sec
 stroomrichting : 303°

doorstroomoppervlak : -73566 m²
 raaidebiet : 44318 m³/sec

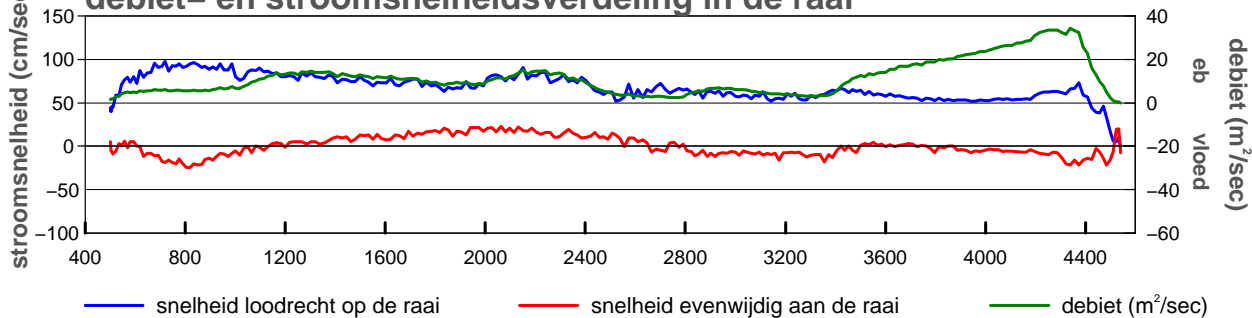
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



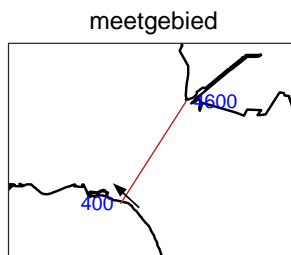
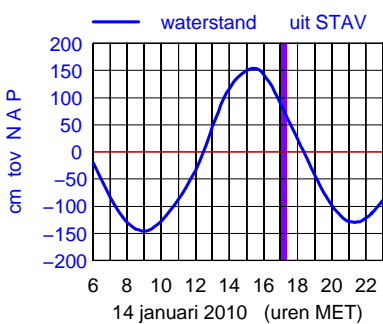
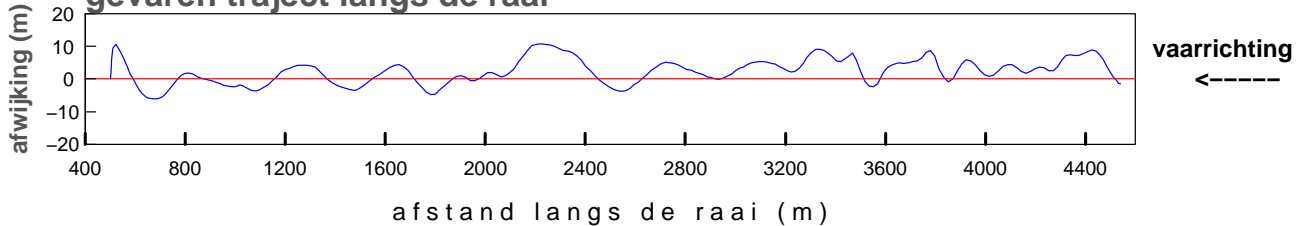
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

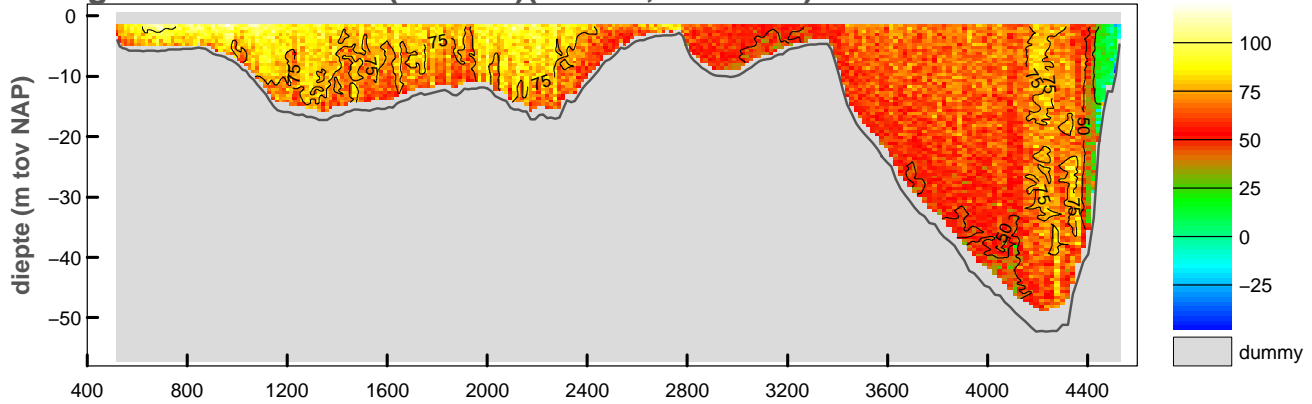


maximum gemiddelde stroom-
 snelheid in de vertikaal

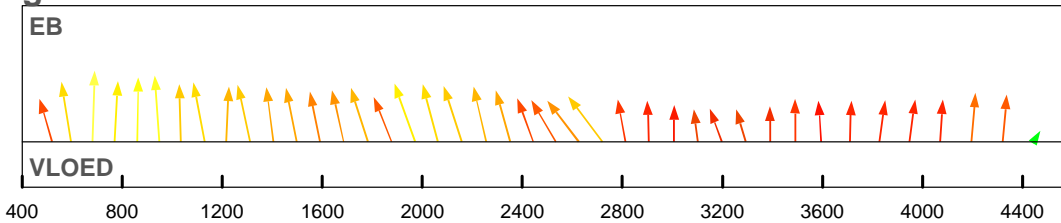
afstand uit nulpunt : 720 m
 stroomsnelheid : 100 cm/sec
 stroomrichting : 314°

doorstroomoppervlak : -72630 m²
 raaidebiet : 46407 m³/sec

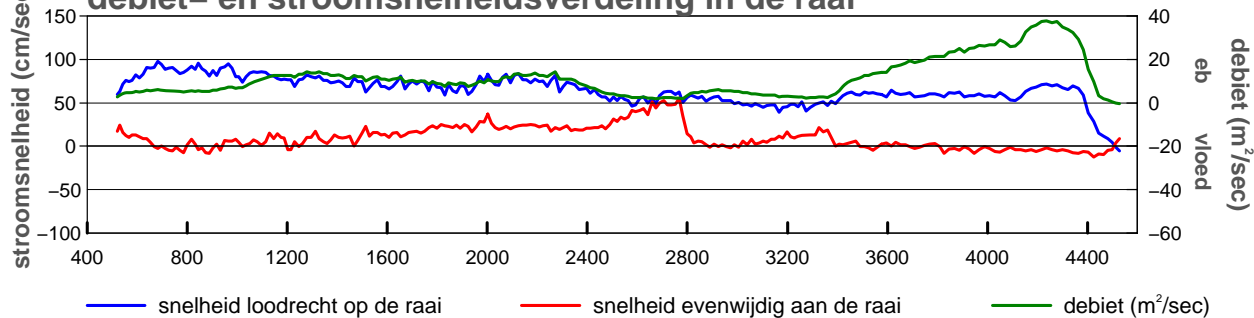
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



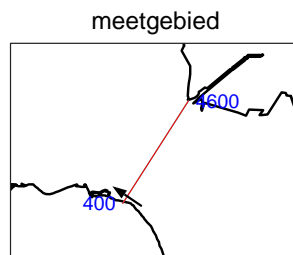
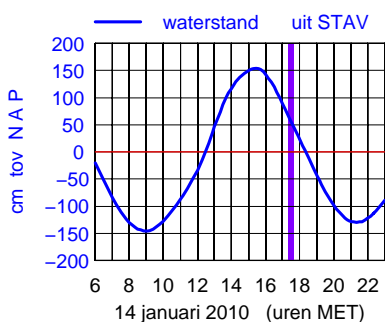
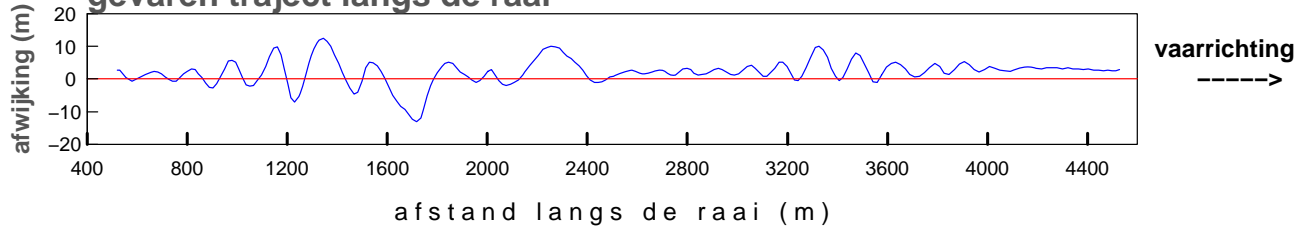
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

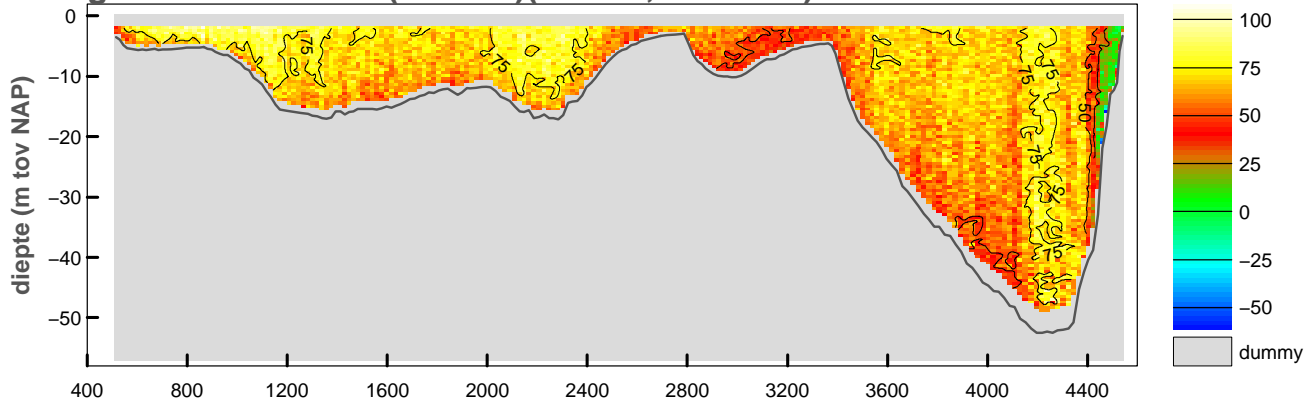


maximum gemiddelde stroom-
 snelheid in de vertikaal

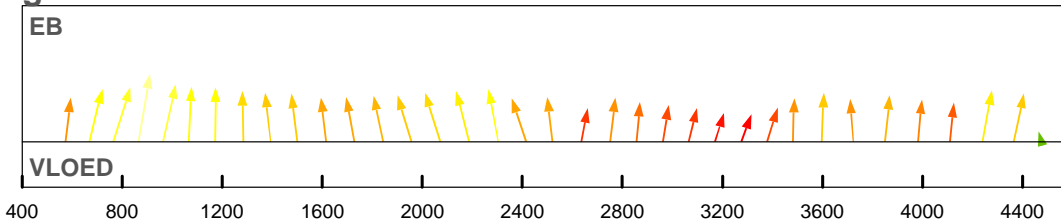
afstand uit nulpunt : 682 m
 stroomsnelheid : 98 cm/sec
 stroomrichting : 304°

doorstroomoppervlak : -71540 m²
 raaidebiet : 45649 m³/sec

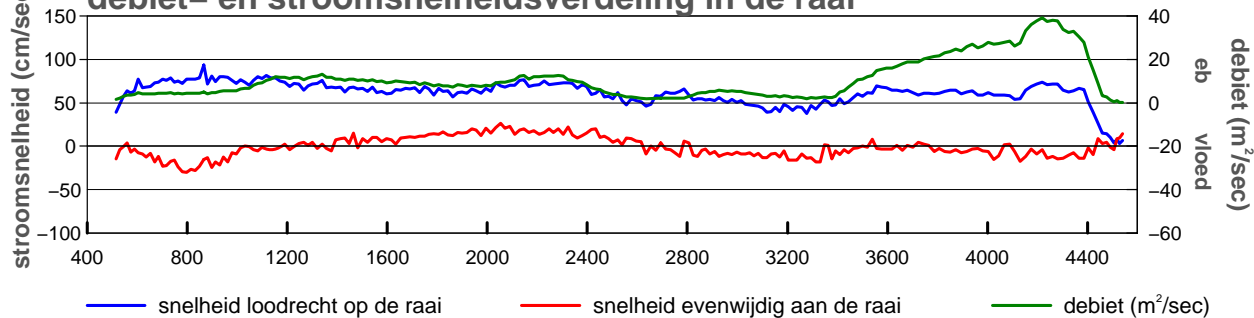
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



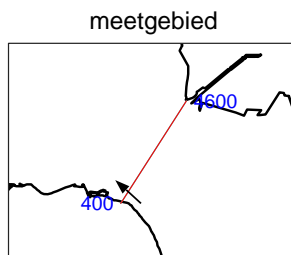
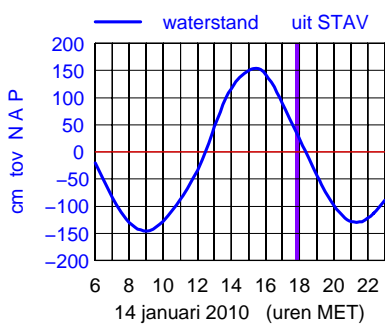
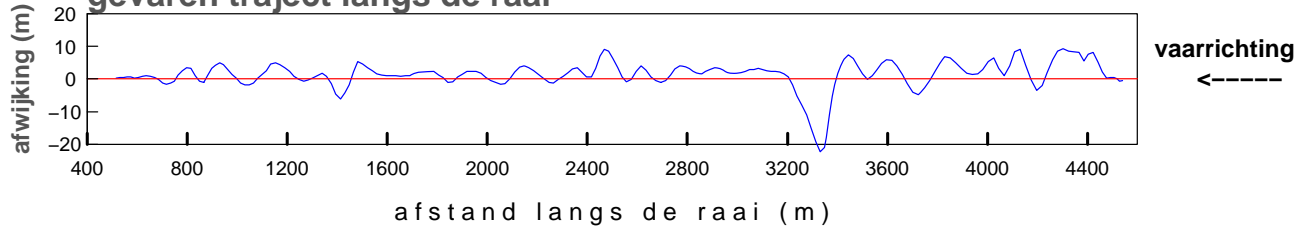
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

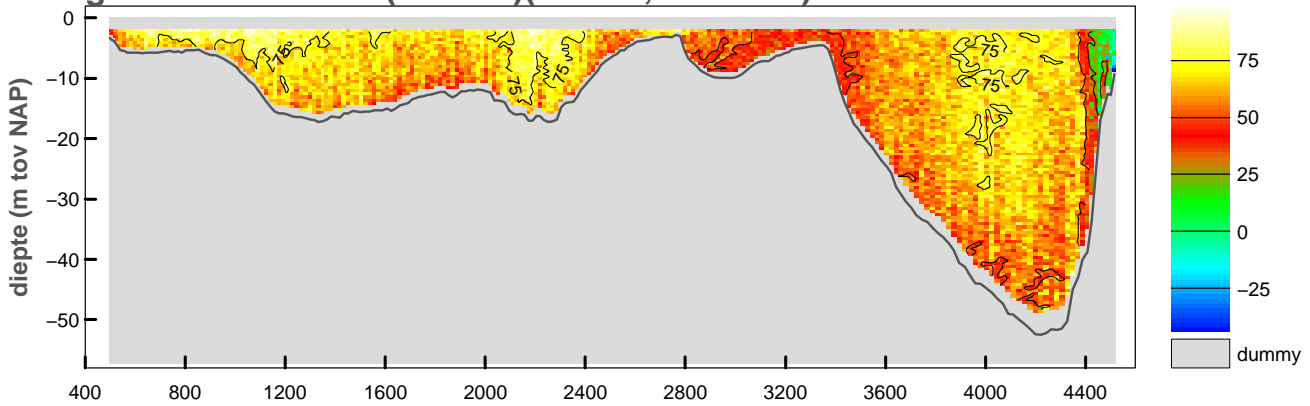


maximum gemiddelde stroom-
 snelheid in de vertikaal

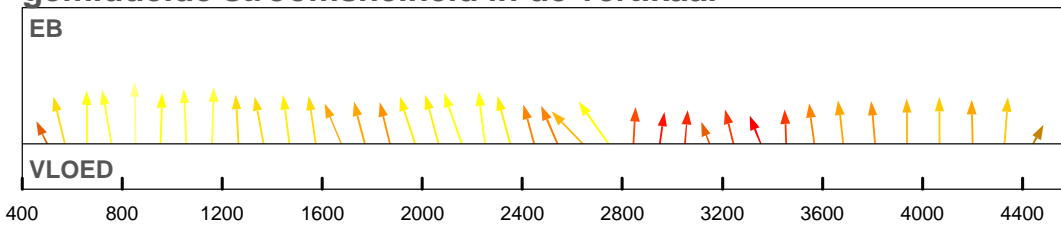
afstand uit nulpunt : 866 m
 stroomsnelheid : 95 cm/sec
 stroomrichting : 312°

doorstroomoppervlak : -70688 m²
 raaidebiet : 44185 m³/sec

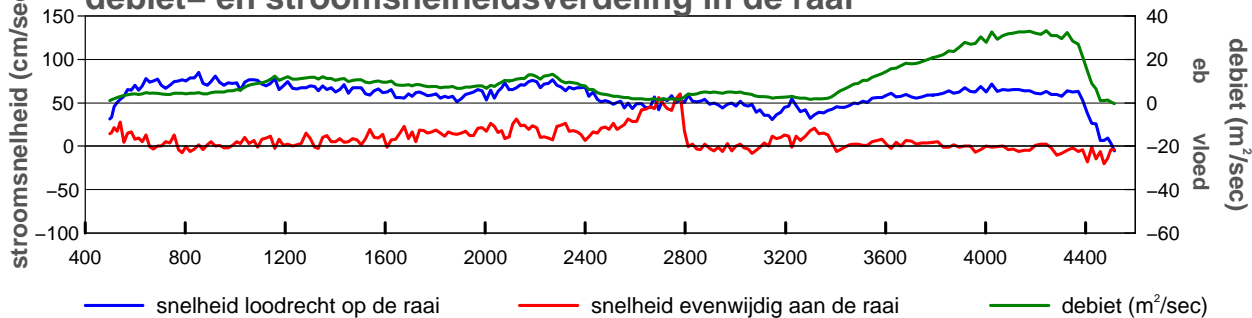
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



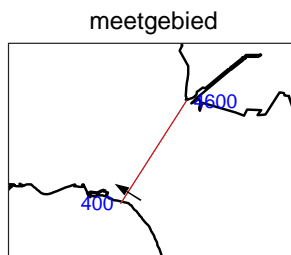
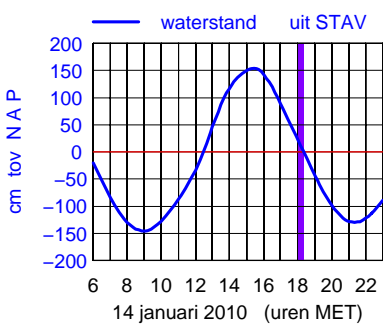
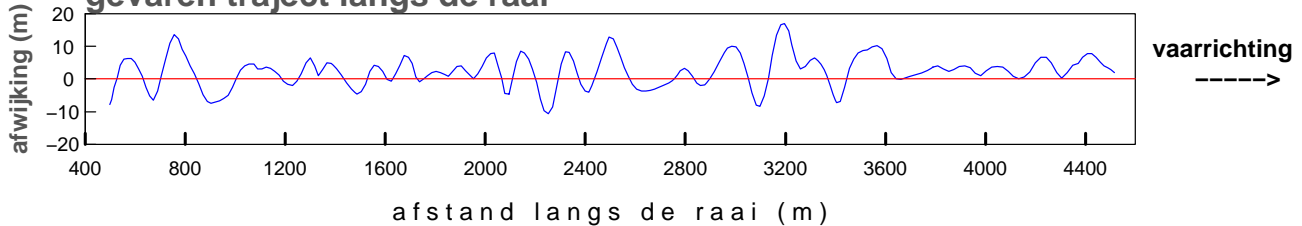
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

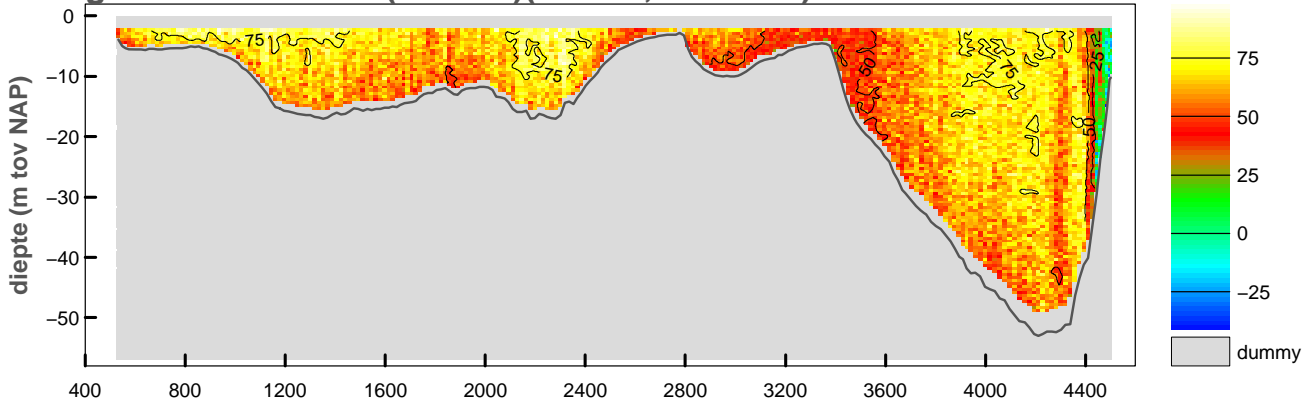


maximum gemiddelde stroom-
 snelheid in de vertikaal

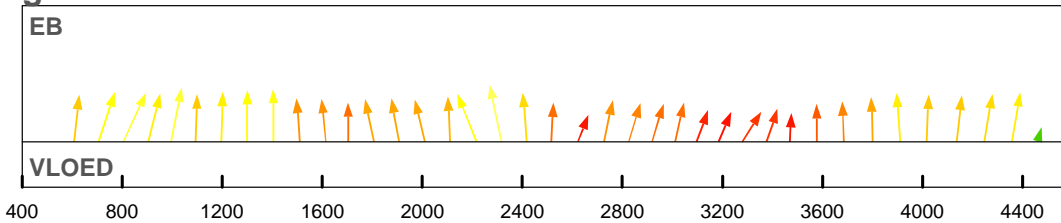
afstand uit nulpunt : 854 m
 stroomsnelheid : 85 cm/sec
 stroomrichting : 302°

doorstroomoppervlak : -69880 m²
 raaidebiet : 41959 m³/sec

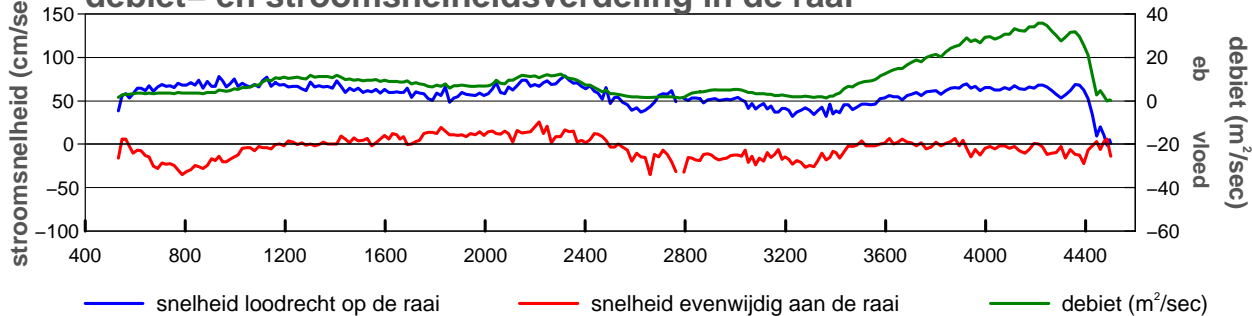
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



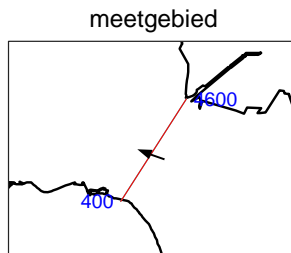
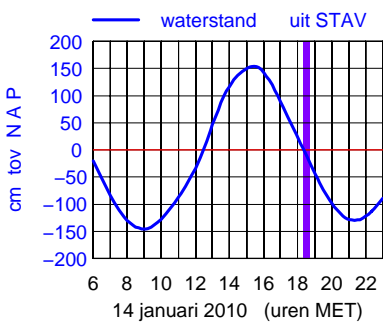
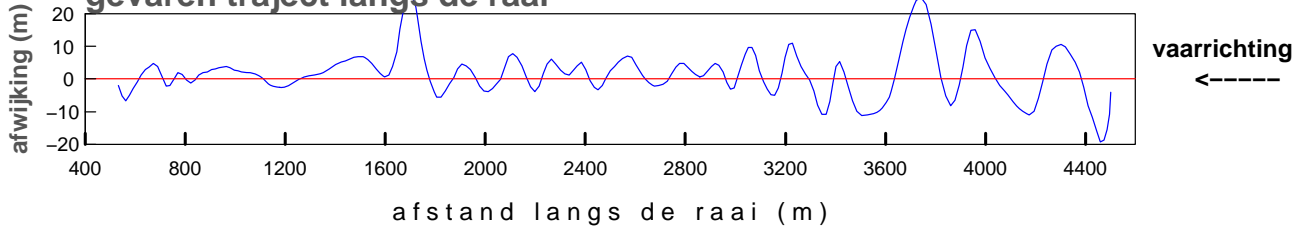
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai

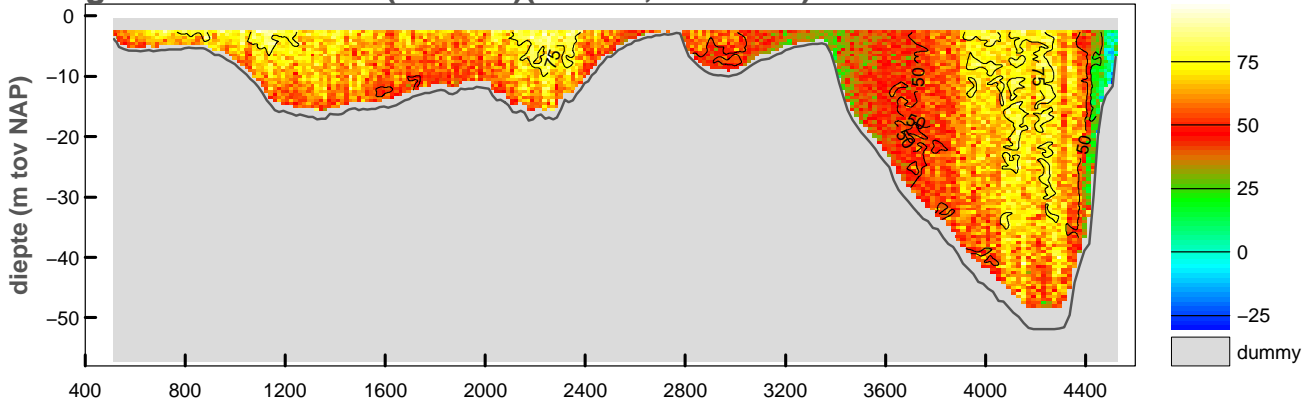


maximum gemiddelde stroom-
 snelheid in de vertikaal

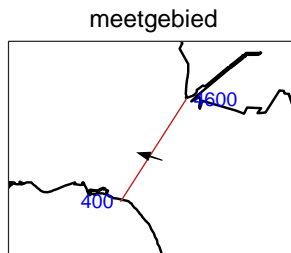
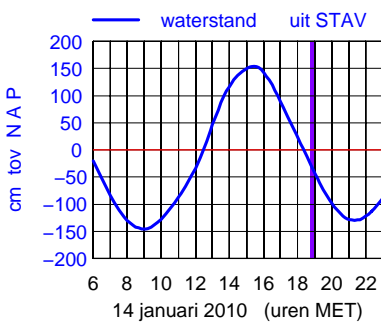
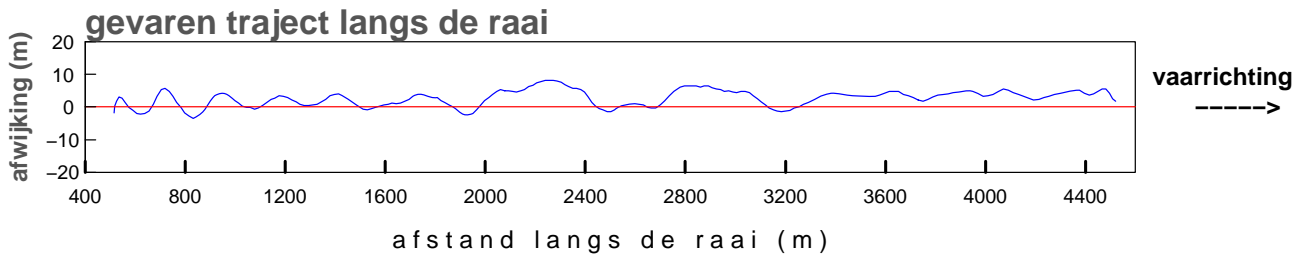
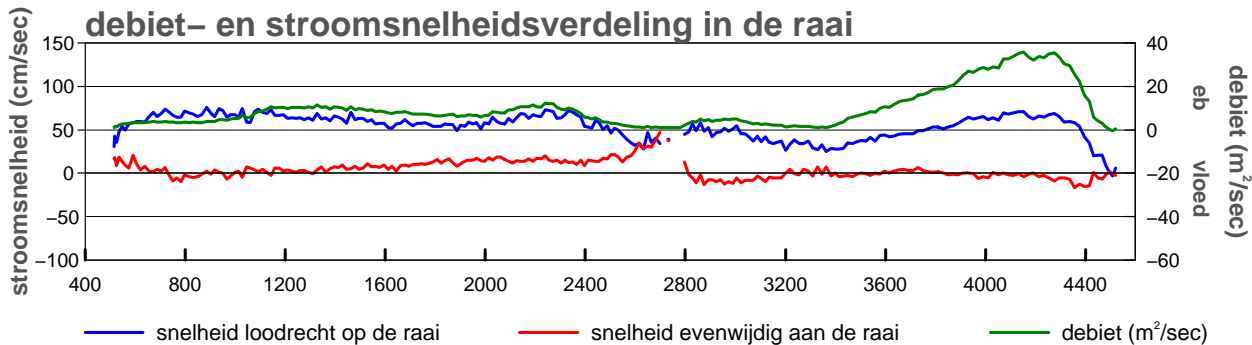
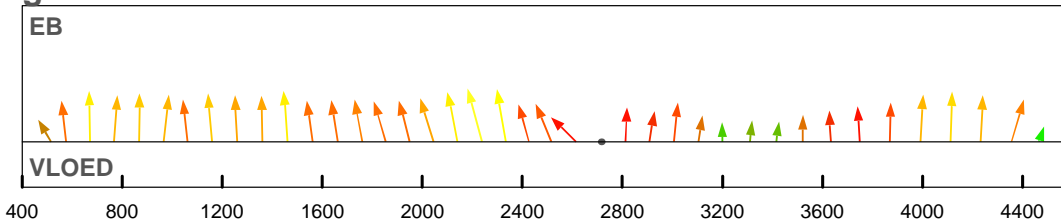
afstand uit nulpunt : 2318 m
 stroomsnelheid : 81 cm/sec
 stroomrichting : 291°

doorstroomoppervlak : -68537 m²
 raaidebiet : 40975 m³/sec

gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



gemiddelde stroomsnelheid in de vertikaal

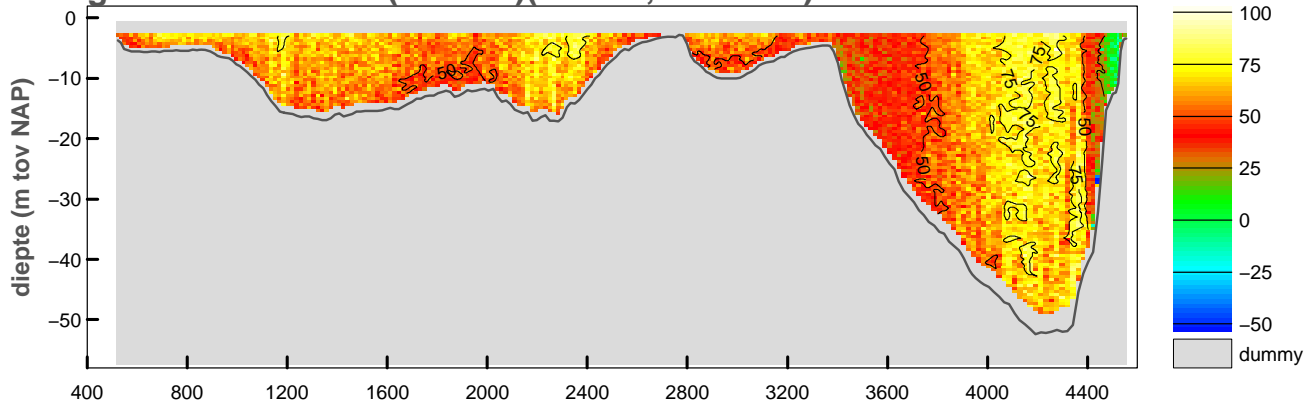


maximum gemiddelde stroom-
 snelheid in de vertikaal

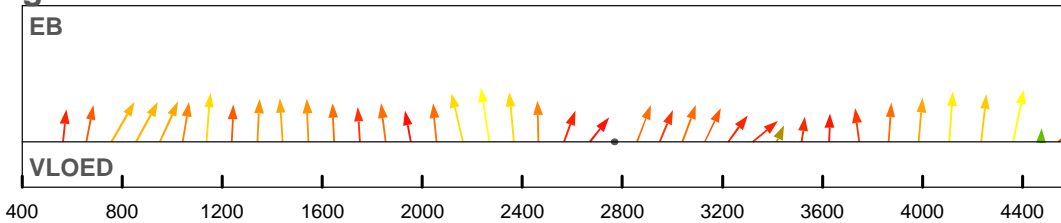
afstand uit nulpunt : 2239 m
 stroomsnelheid : 76 cm/sec
 stroomrichting : 288°

doorstroomoppervlak : -67952 m²
 raaidebiet : 38505 m³/sec

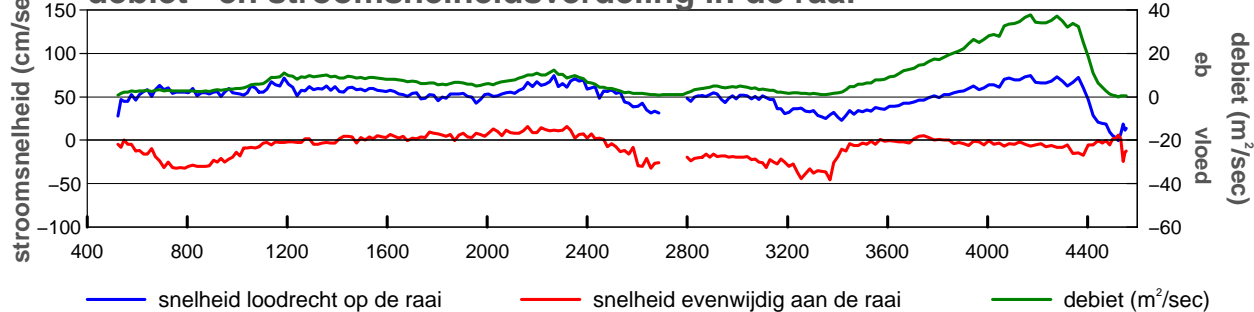
gemeten snelheid (cm/sec)(eb > 0 ,vloed < 0)



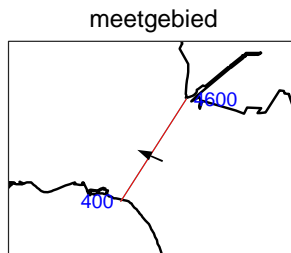
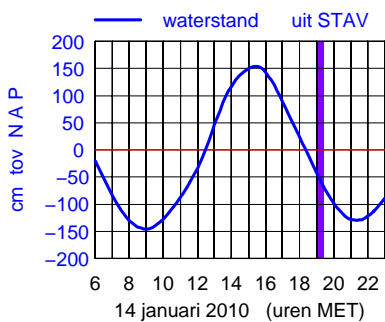
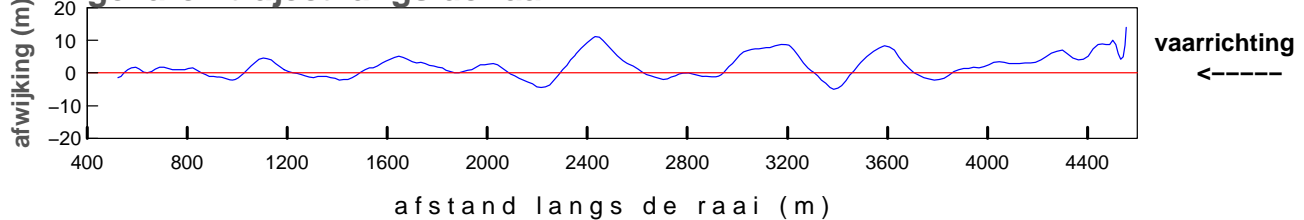
gemiddelde stroomsnelheid in de vertikaal



debiet- en stroomsnelheidsverdeling in de raai



gevaren traject langs de raai



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 2267 m
 stroomsnelheid : 76 cm/sec
 stroomrichting : 294°

doorstroomoppervlak : -67155 m²
 raaidebiet : 37278 m³/sec

Bijlage 6

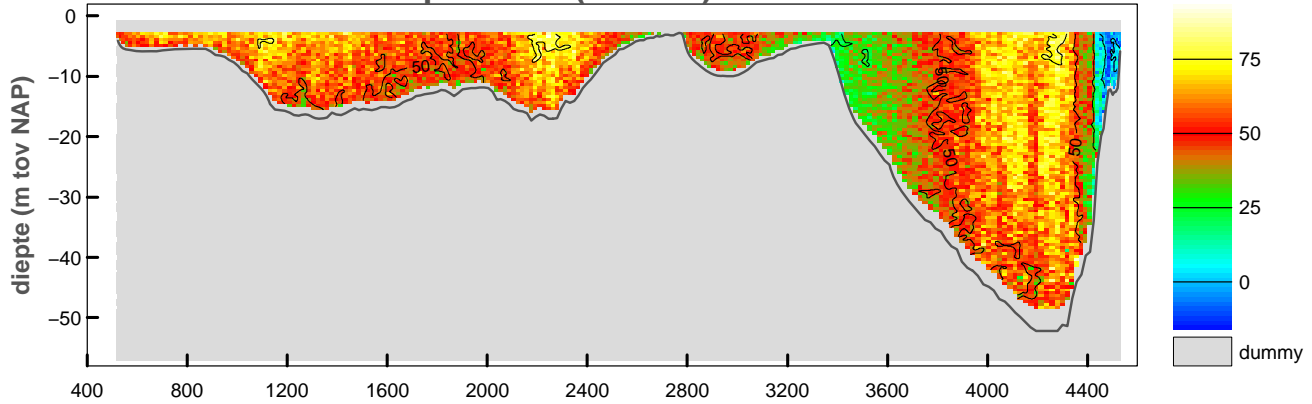
Ontbonden gegevens raai

Debietraai IIIb Oosterschelde

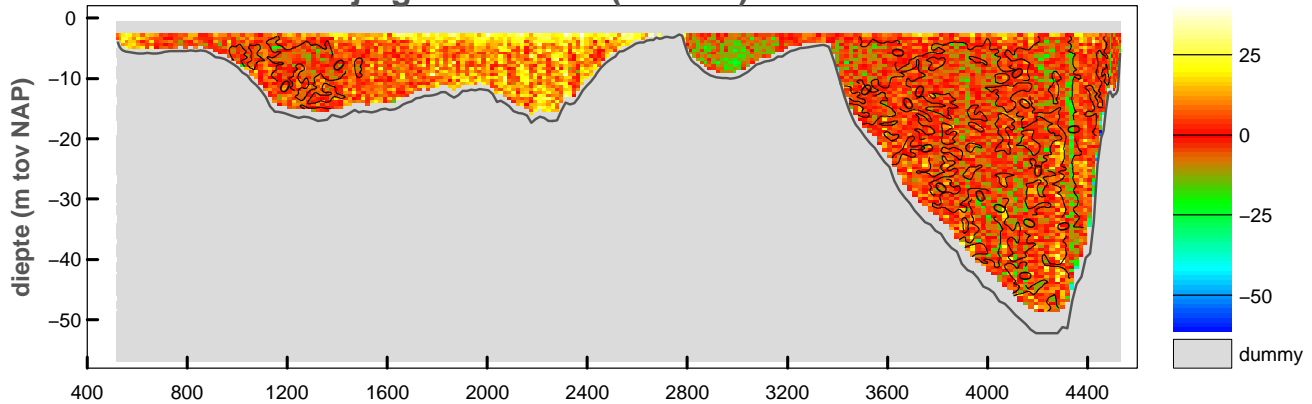
2202m1001

Notitie: ZLMD-10.N.002

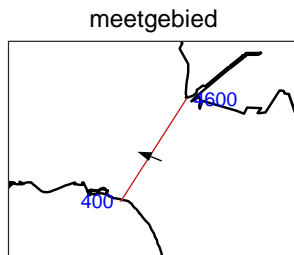
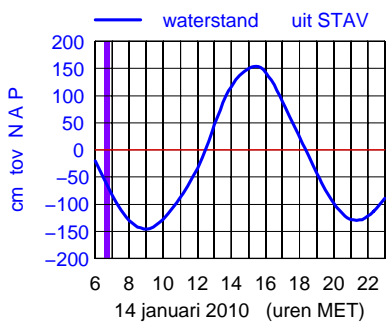
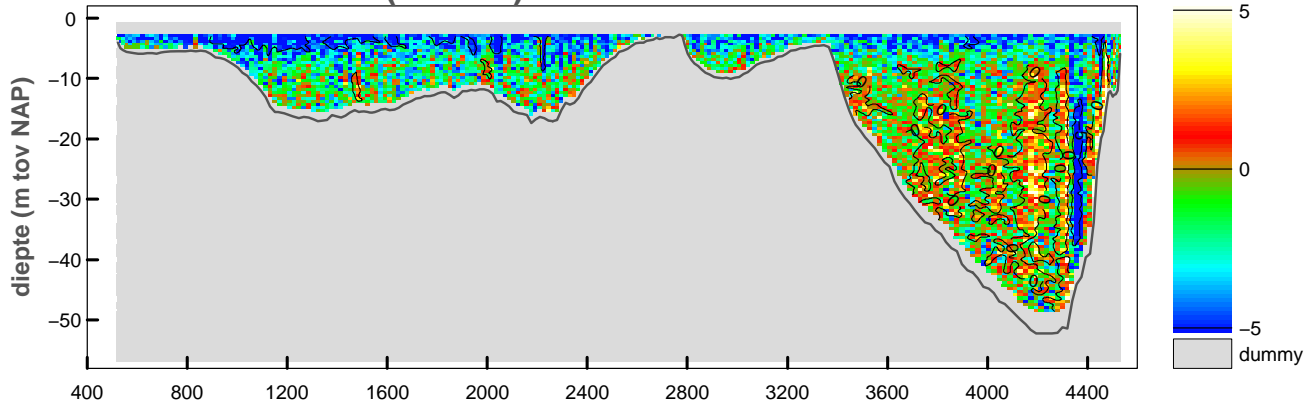
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 2245 m

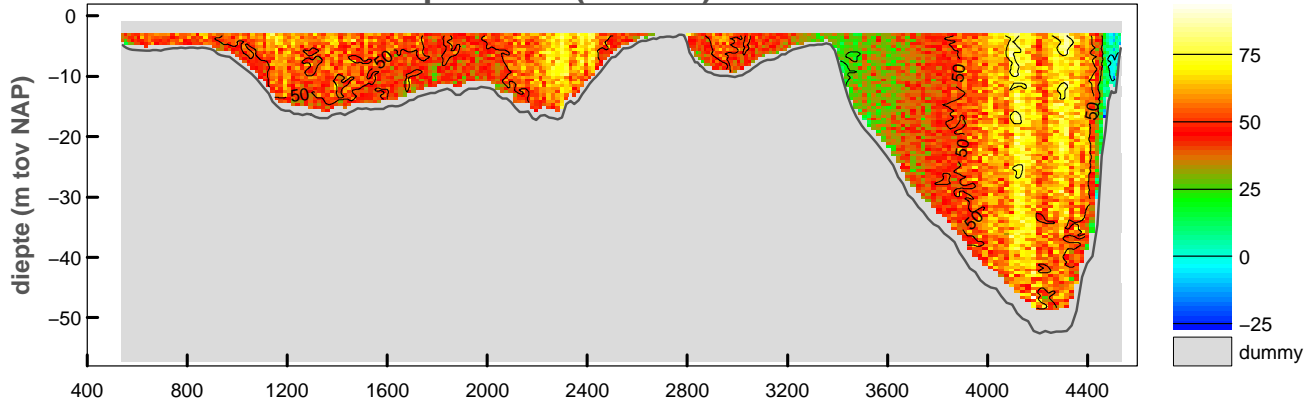
stroomsnelheid : 72 cm/sec

stroomrichting : 291°

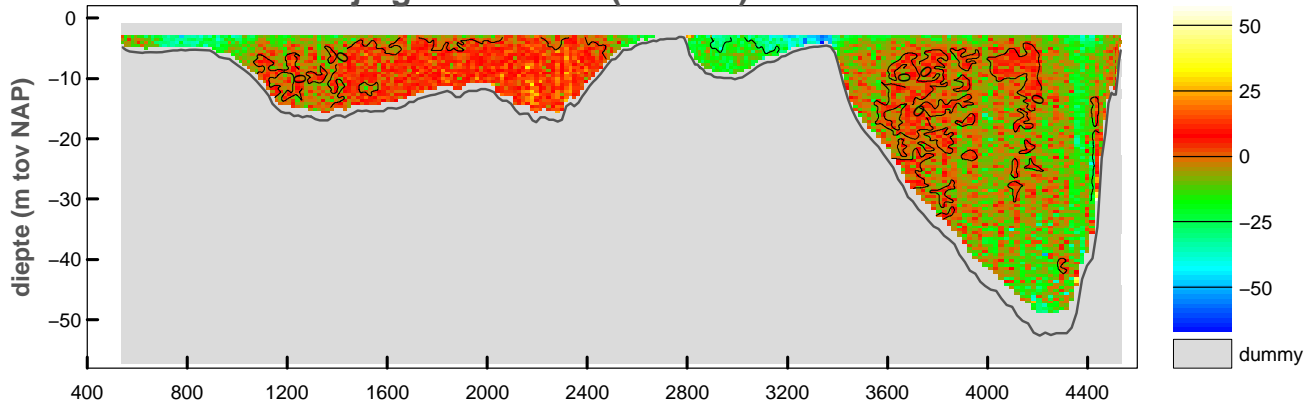
doorstroomoppervlak : -67010 m²

raaidebiet : 34572 m³/sec

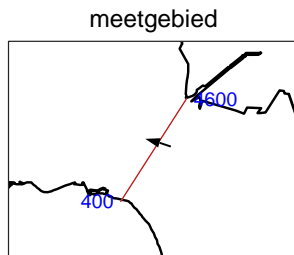
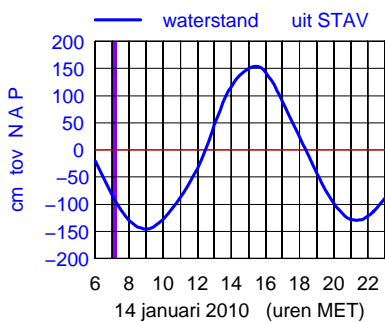
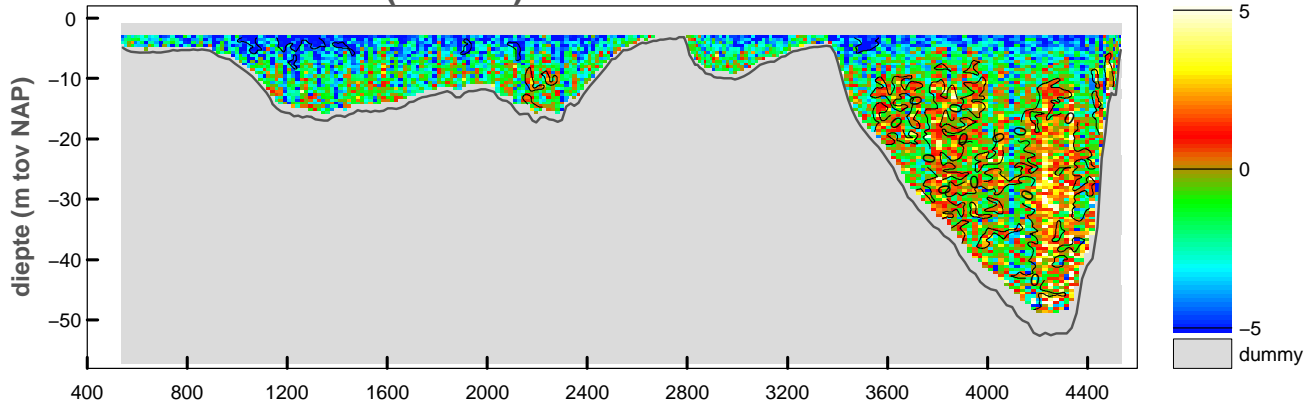
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 2799 m

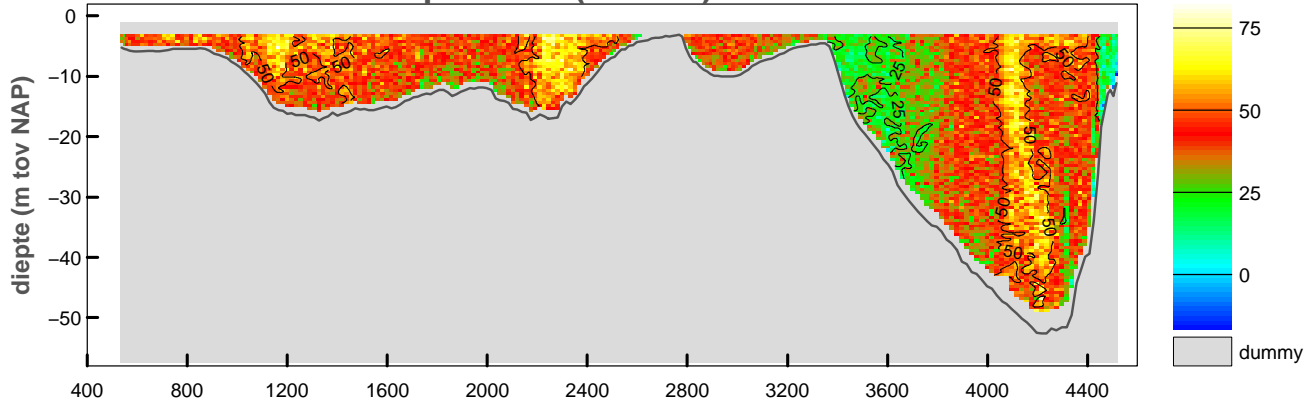
stroomsnelheid : 73 cm/sec

stroomrichting : 286°

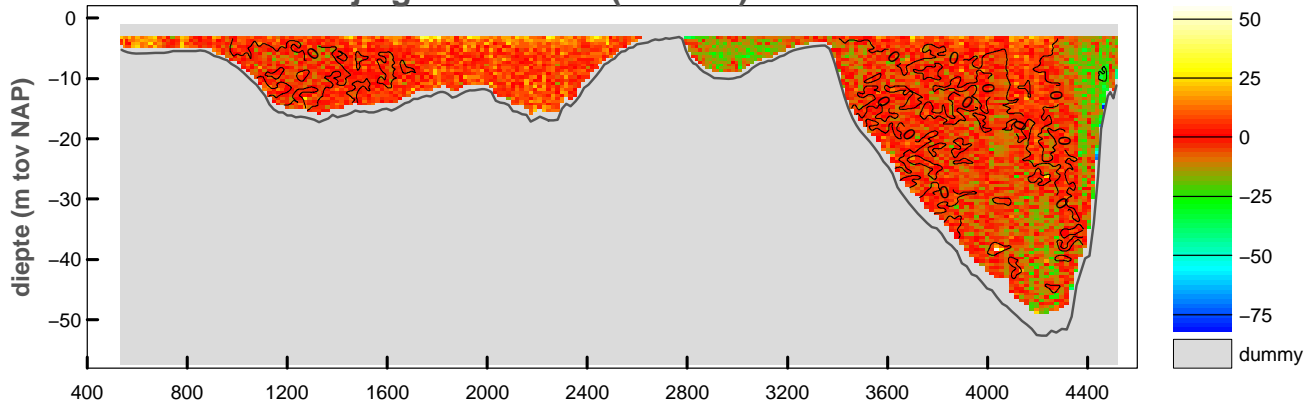
doorstroomoppervlak : -65905 m²

raaidebiet : 32831 m³/sec

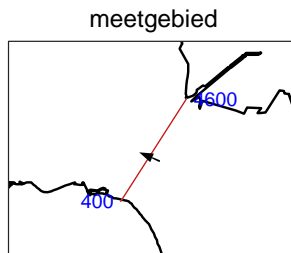
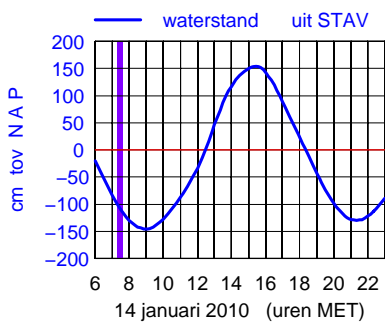
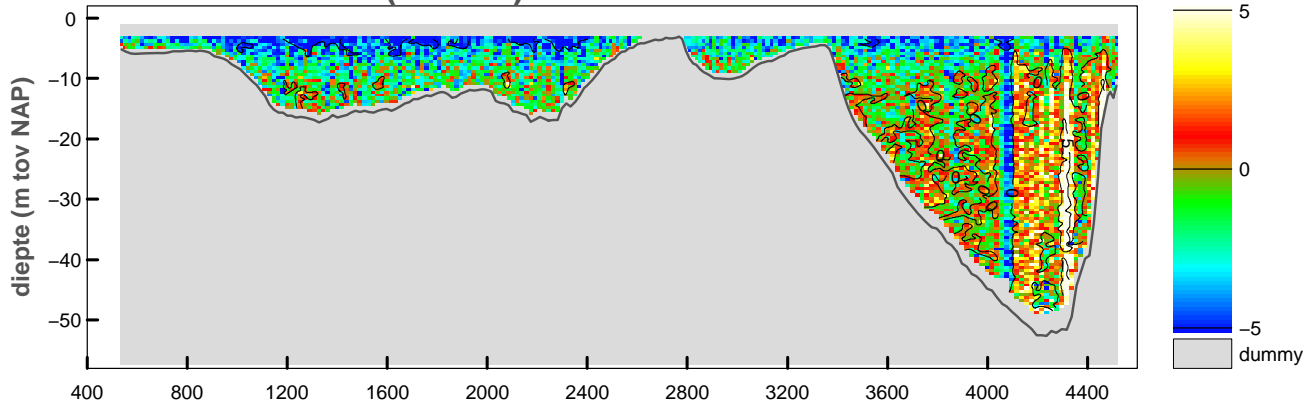
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

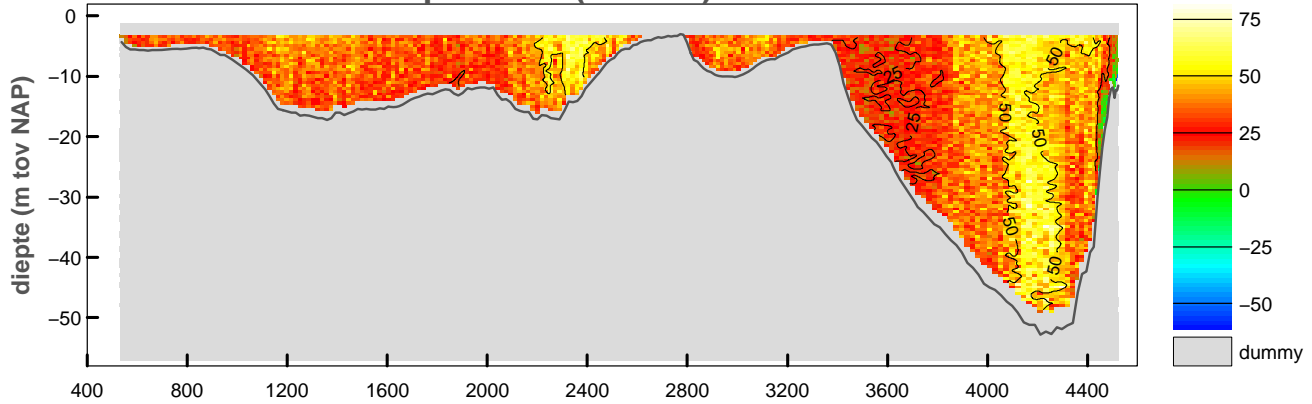


maximum gemiddelde stroom-
 snelheid in de vertikaal

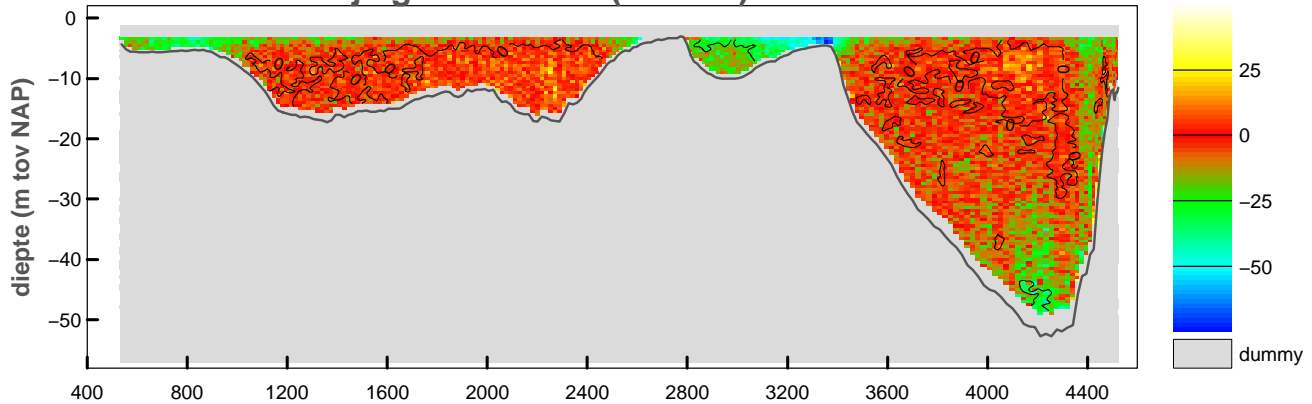
afstand uit nulpunt : 2228 m
 stroomsnelheid : 63 cm/sec
 stroomrichting : 294°

doorstroomoppervlak : -65216 m²
 raaidbiet : 26882 m³/sec

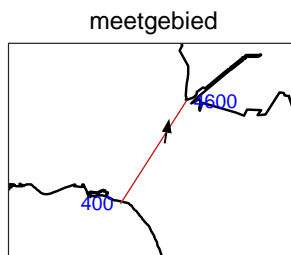
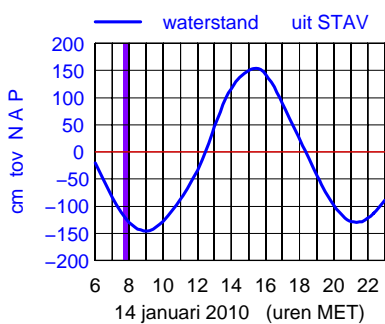
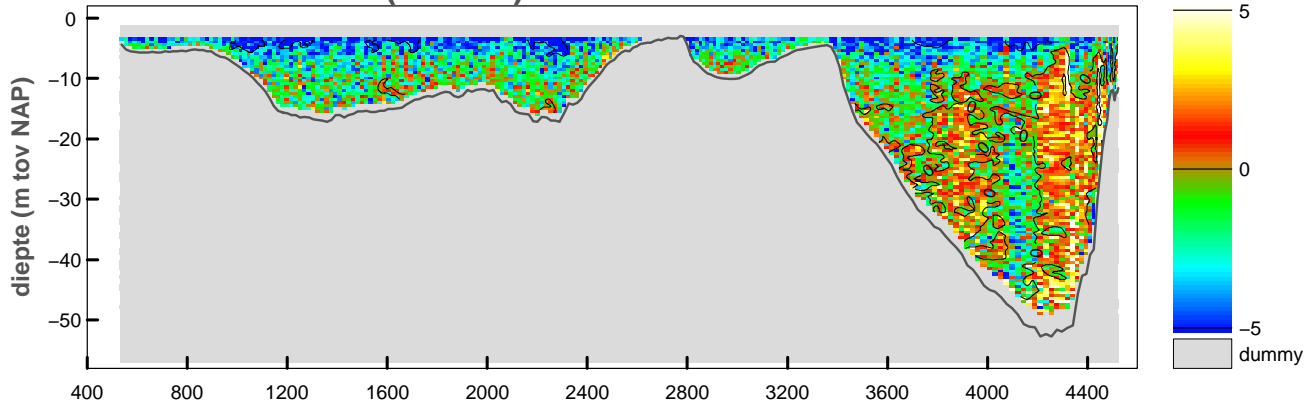
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de vertikaal

afstand uit nulpunt : 3358 m

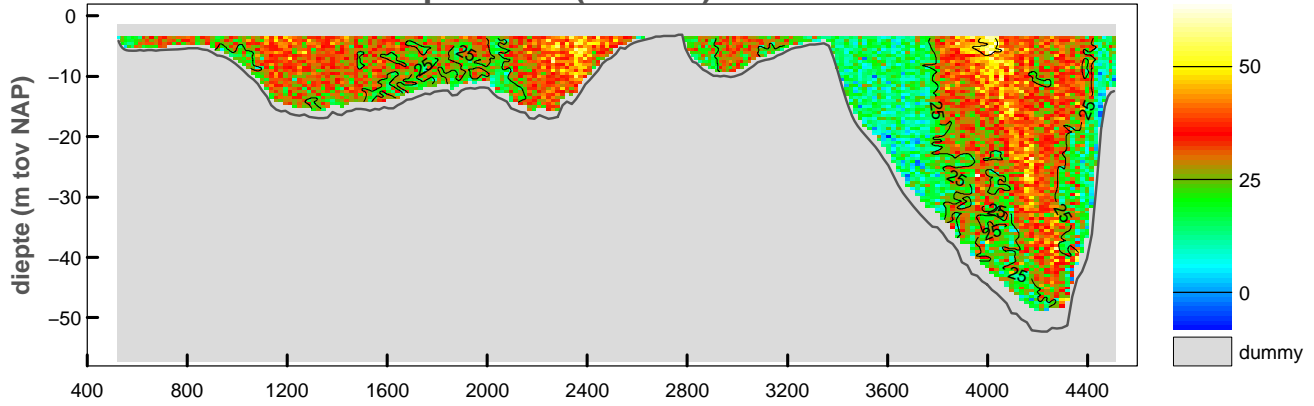
stroomsnelheid : 70 cm/sec

stroomrichting : 11°

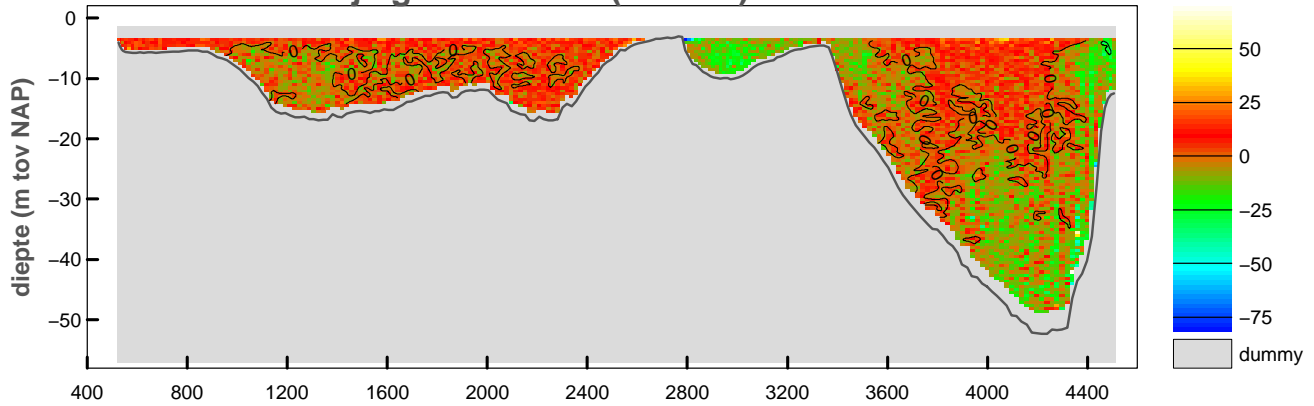
doorstroomoppervlak : -64339 m²

raaidebiet : 24050 m³/sec

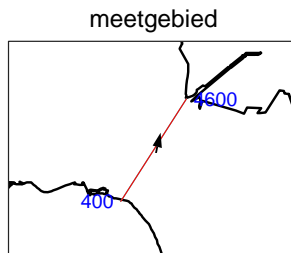
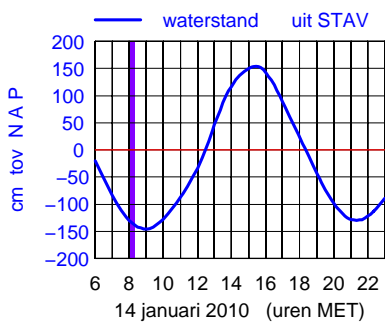
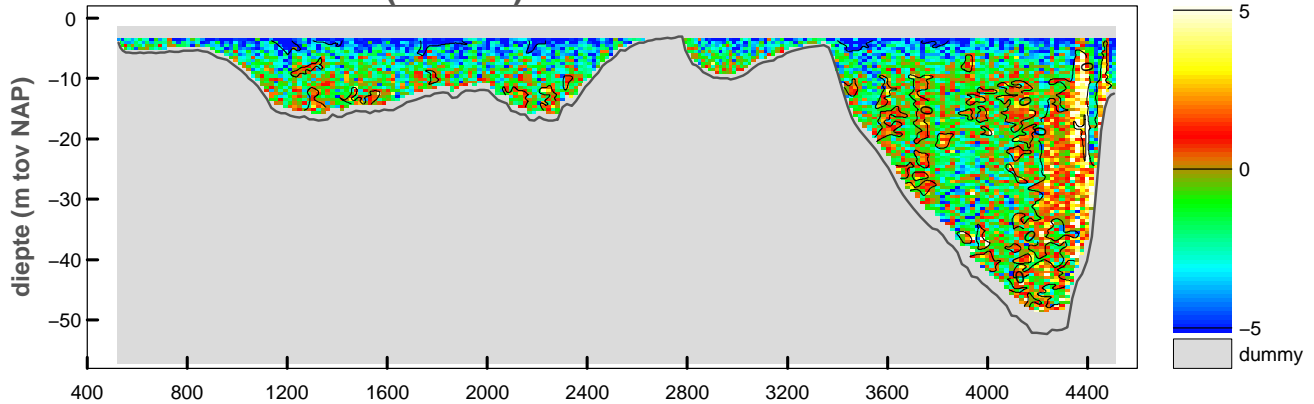
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

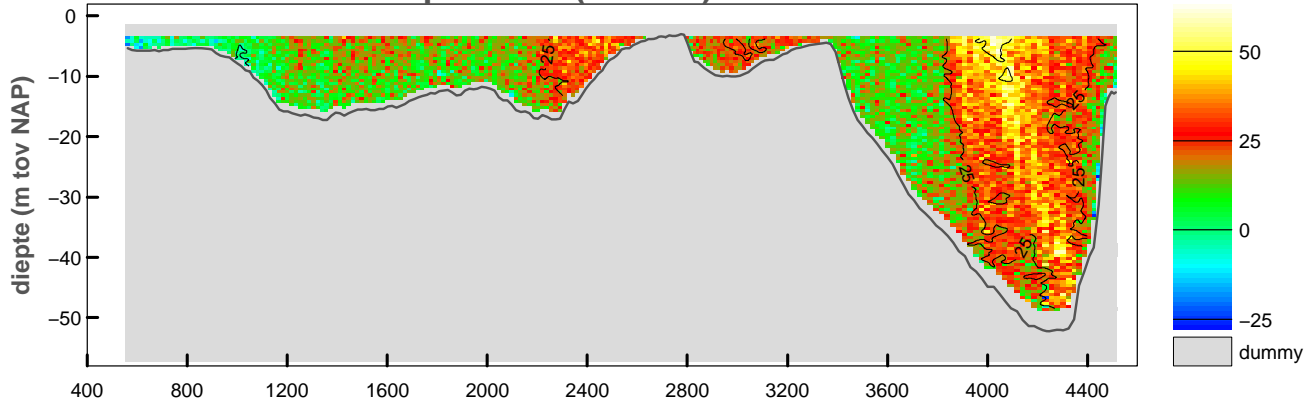


maximum gemiddelde stroom-
 snelheid in de vertikaal

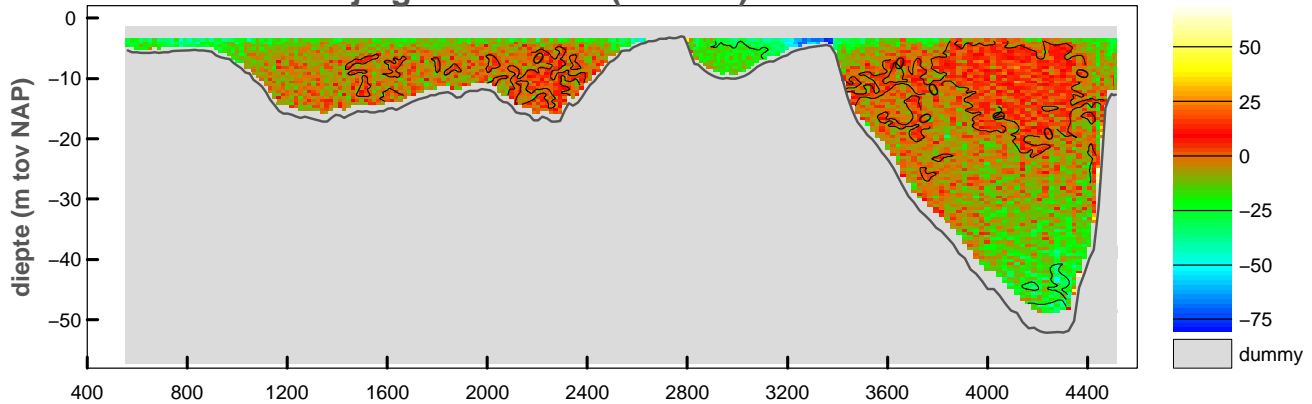
afstand uit nulpunt : 2793 m
 stroomsnelheid : 57 cm/sec
 stroomrichting : 13°

doorstroomoppervlak : -64032 m²
 raaidebiet : 17105 m³/sec

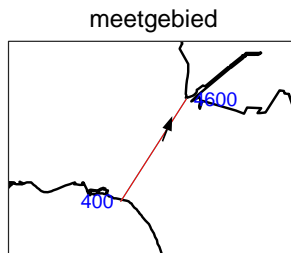
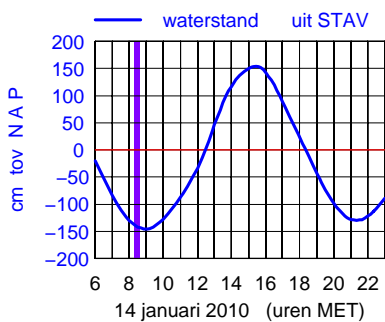
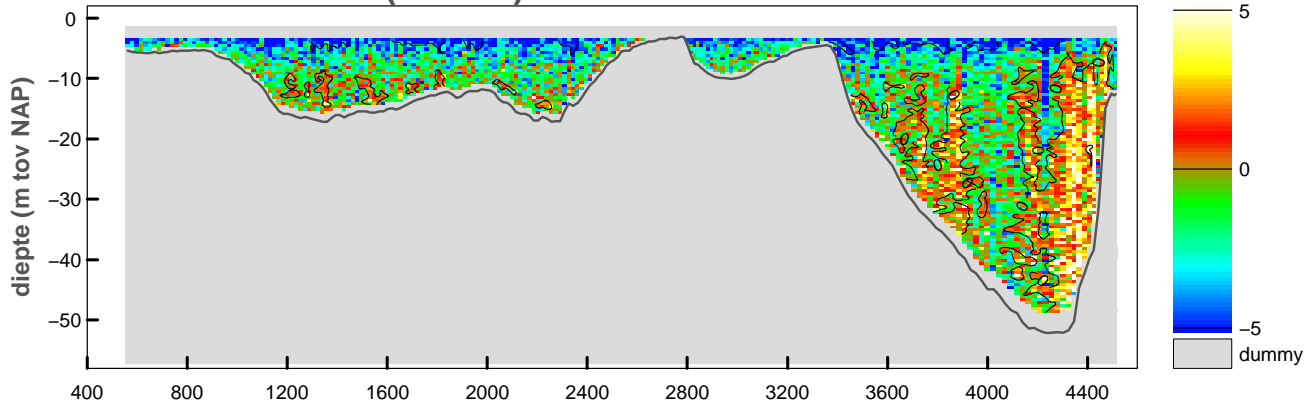
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de vertikaal

afstand uit nulpunt : 3374 m

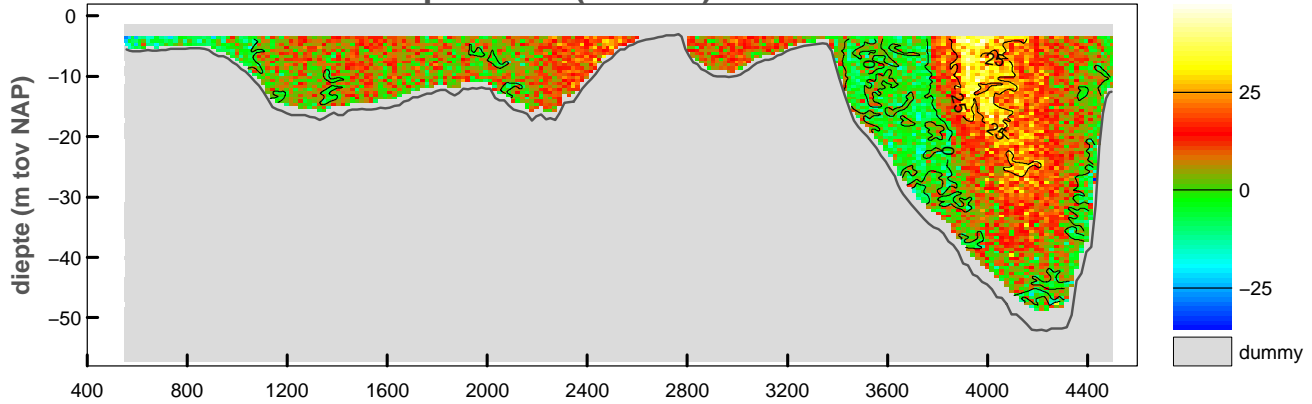
stroomsnelheid : 75 cm/sec

stroomrichting : 21°

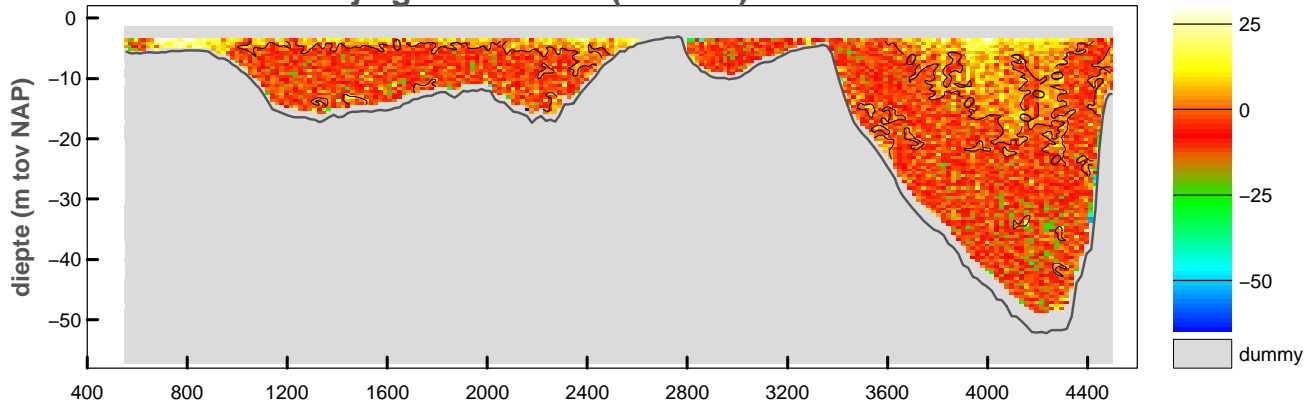
doorstroomoppervlak : -63524 m²

raaidebiet : 13267 m³/sec

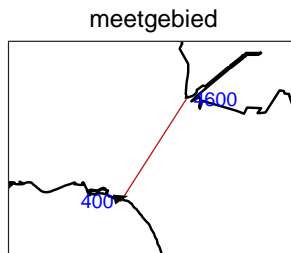
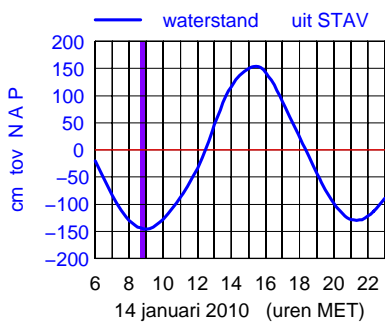
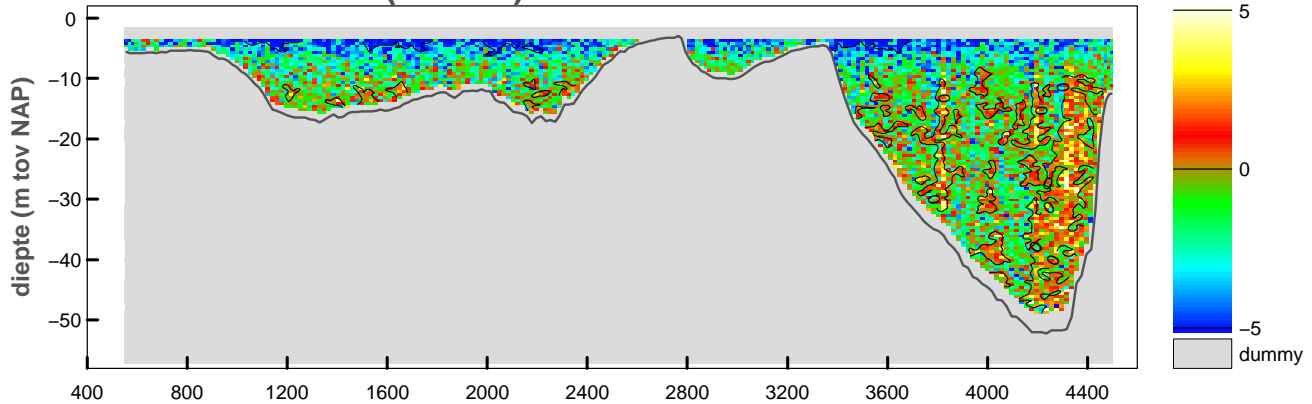
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

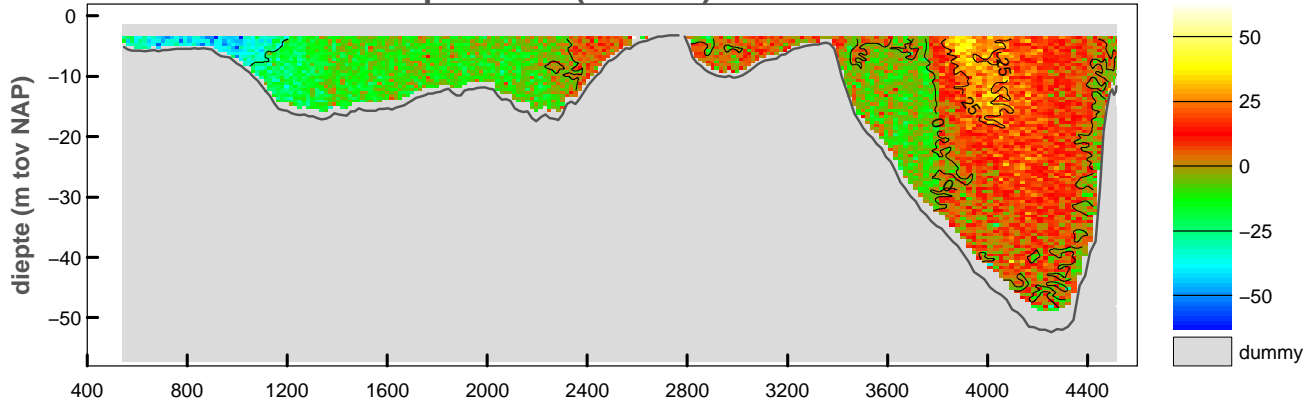


maximum gemiddelde stroom-
snelheid in de vertikaal

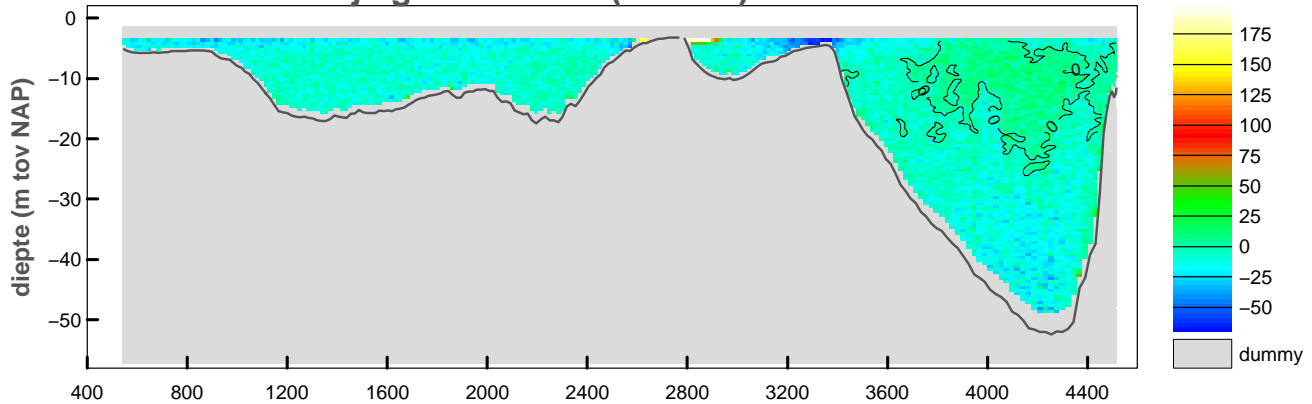
afstand uit nulpunt : 570 m
stroomsnelheid : 26 cm/sec
stroomrichting : 75°

doorstroomoppervlak : -63451 m²
raaidebiet : 4790 m³/sec

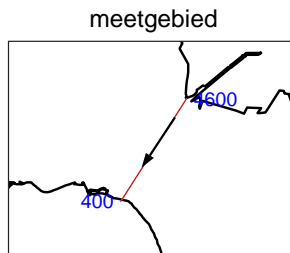
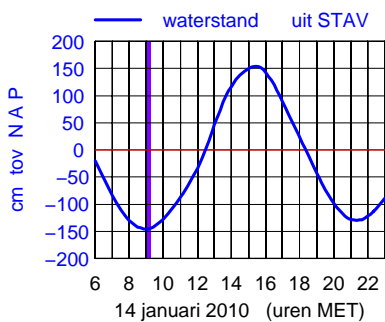
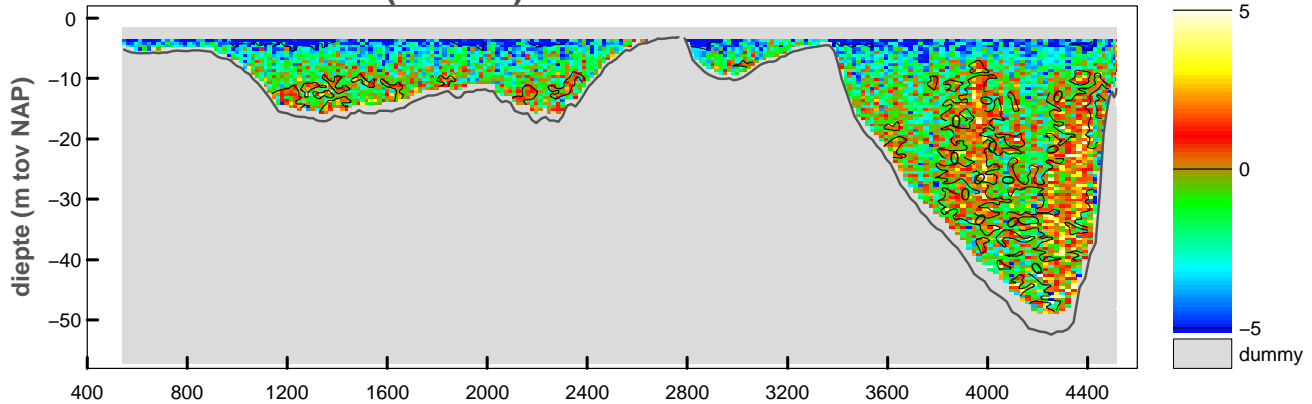
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticaleal

afstand uit nulpunt : 2806 m

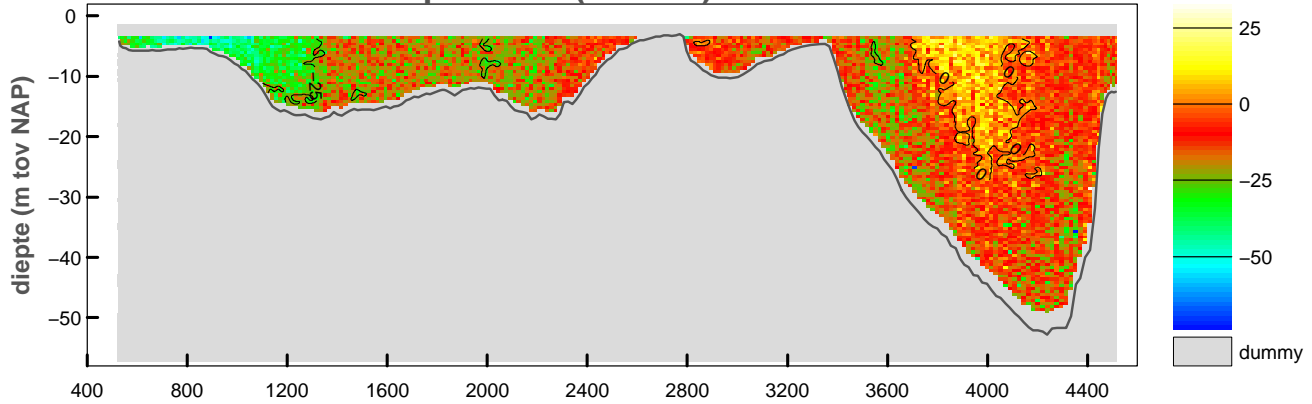
stroomsnelheid : 166 cm/sec

stroomrichting : 214°

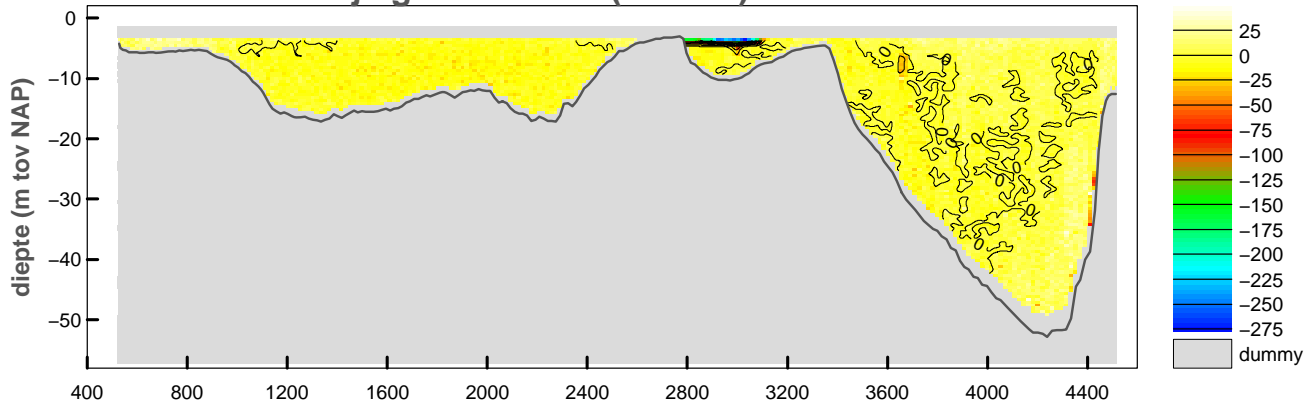
doorstroomoppervlak : -63562 m²

raaidebiet : 152 m³/sec

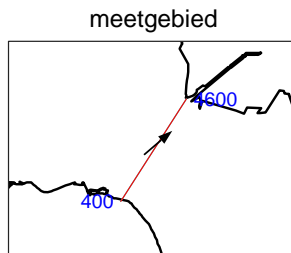
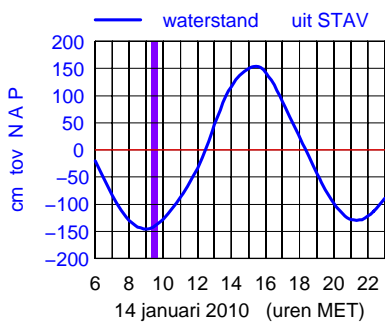
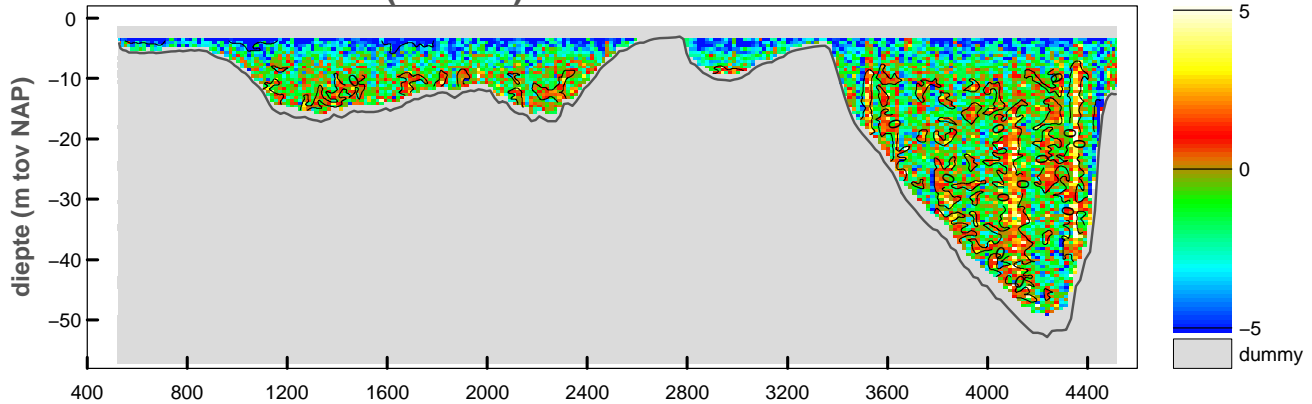
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

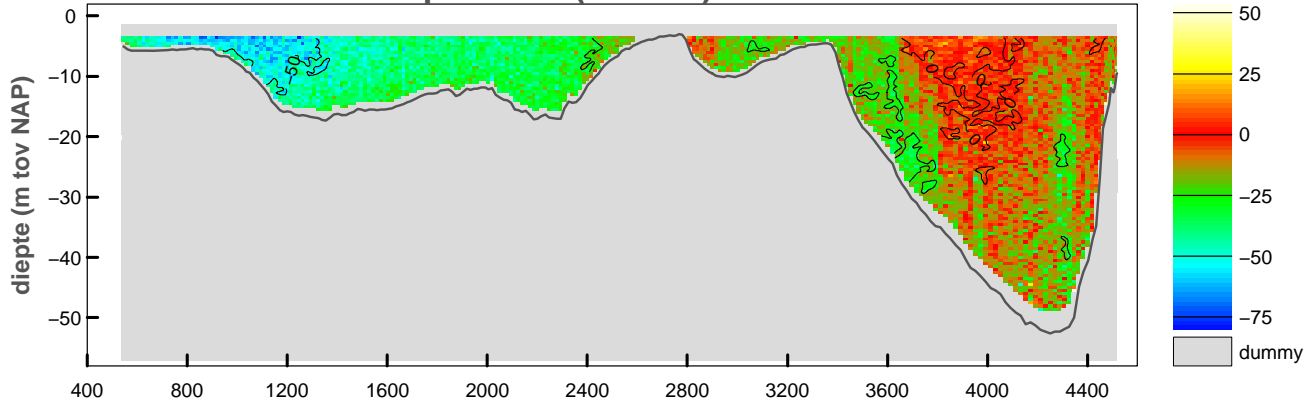


maximum gemiddelde stroom-
 snelheid in de vertikaal

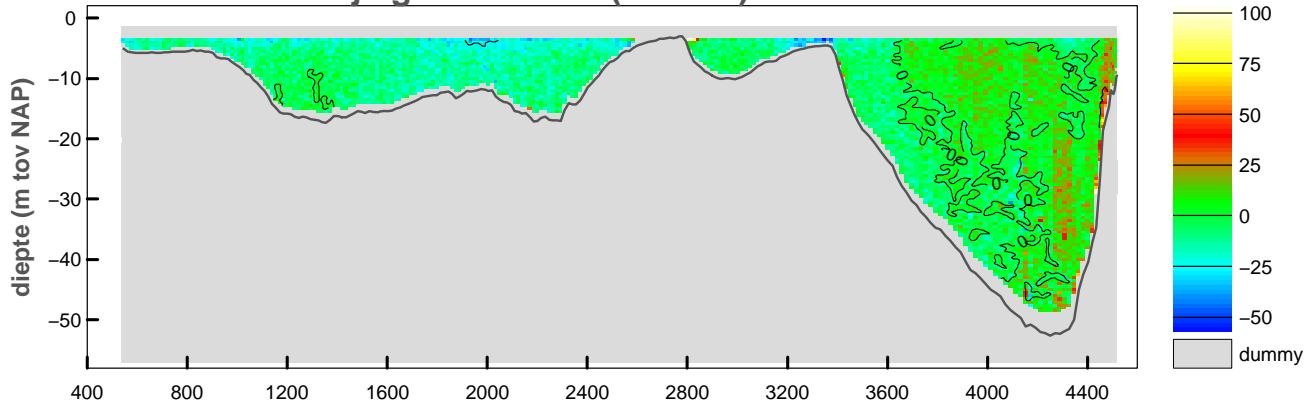
afstand uit nulpunt : 2797 m
 stroomsnelheid : 102 cm/sec
 stroomrichting : 49°

doorstroomoppervlak : -63921 m²
 raaidebiet : -8630 m³/sec

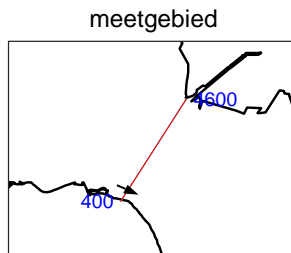
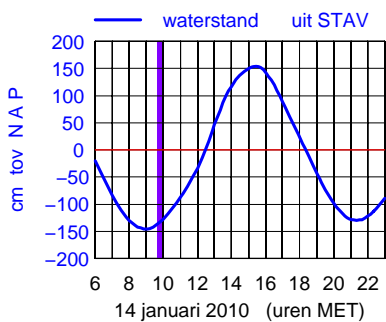
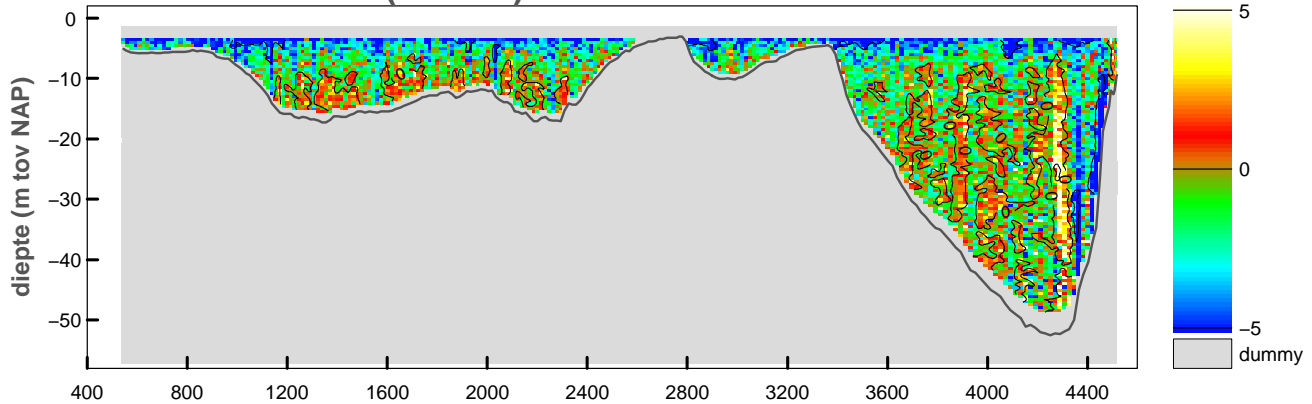
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

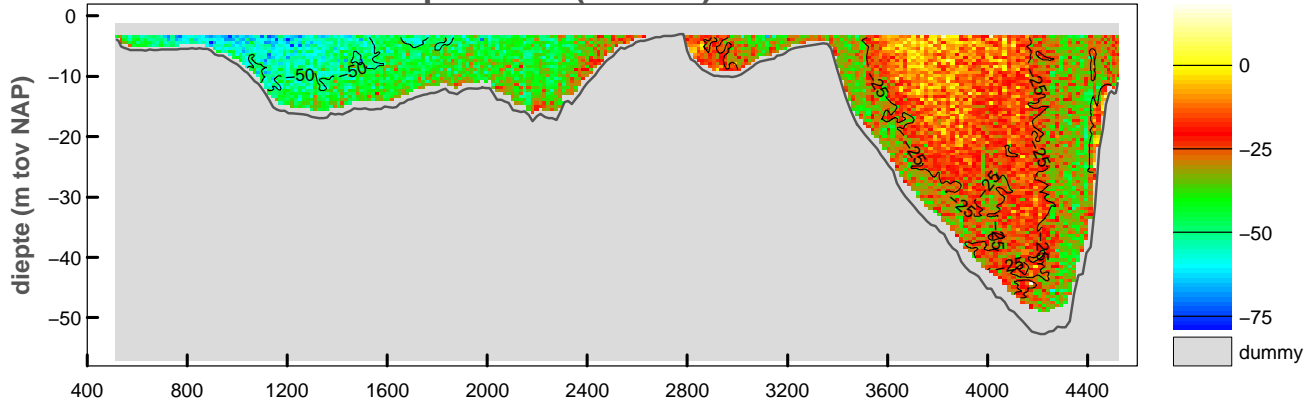


maximum gemiddelde stroom-
 snelheid in de vertikaal

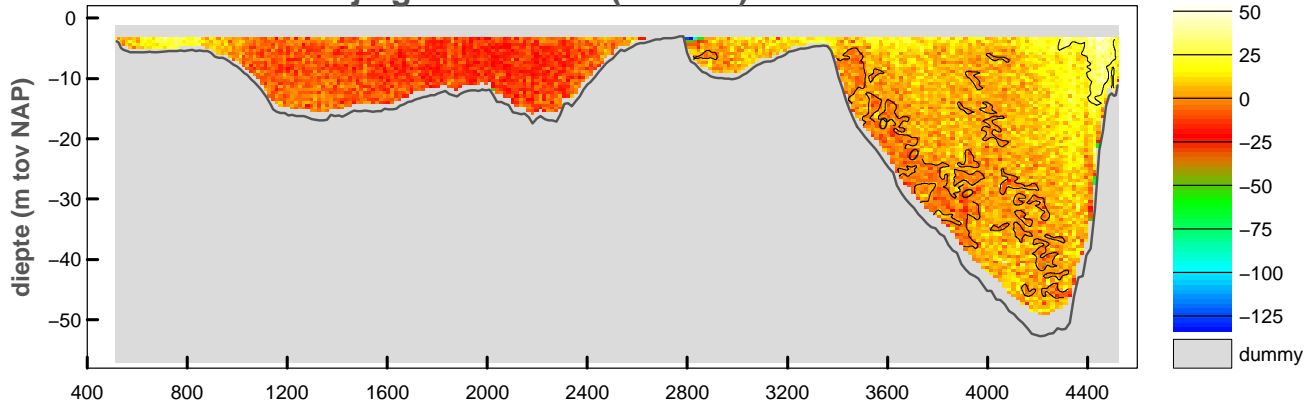
afstand uit nulpunt : 855 m
 stroomsnelheid : 65 cm/sec
 stroomrichting : 113°

doorstroomoppervlak : -64073 m²
 raaidebiet : -13065 m³/sec

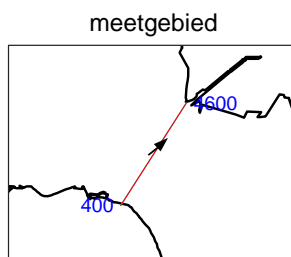
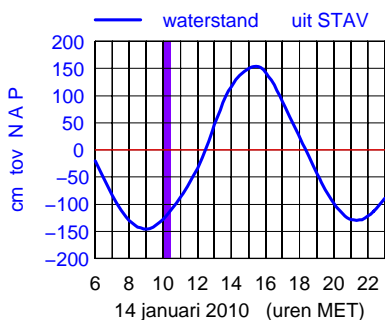
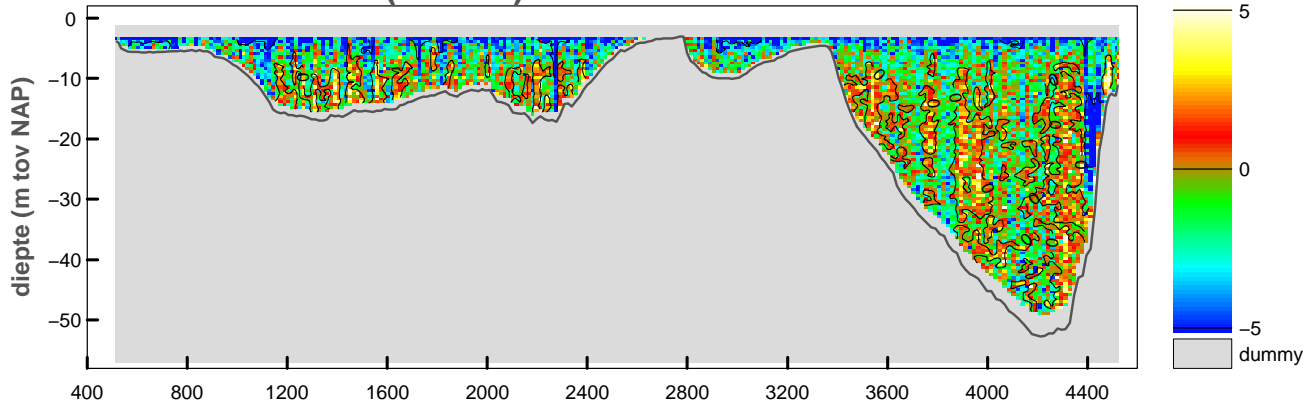
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de verticaleal

afstand uit nulpunt : 2798 m

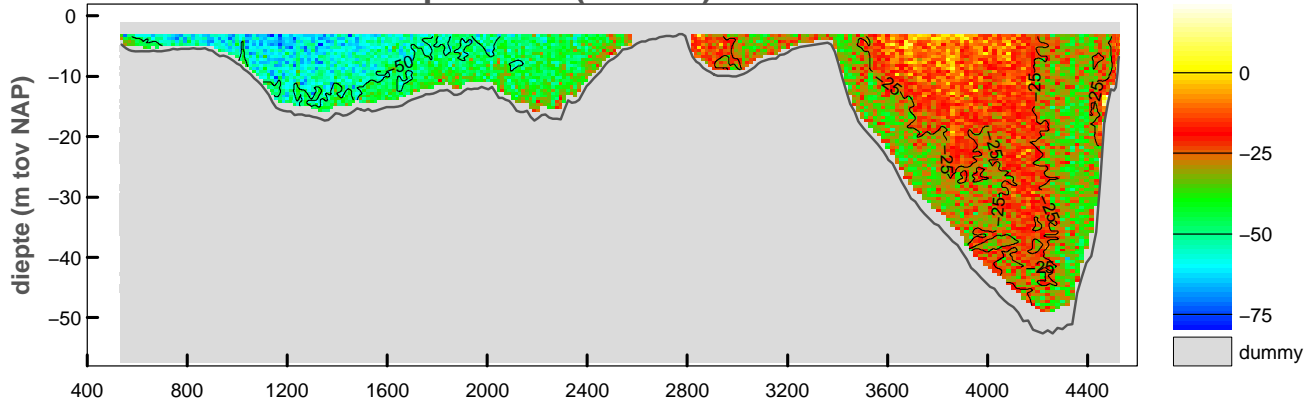
stroomsnelheid : 73 cm/sec

stroomrichting : 49°

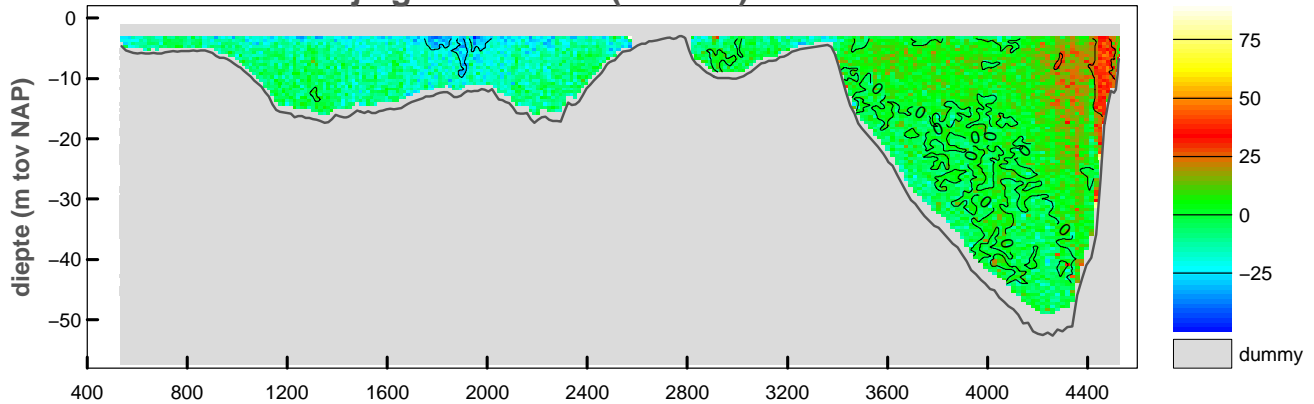
doorstroomoppervlak : -64883 m²

raaidebiet : -19615 m³/sec

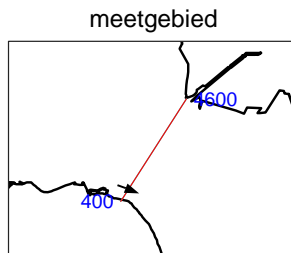
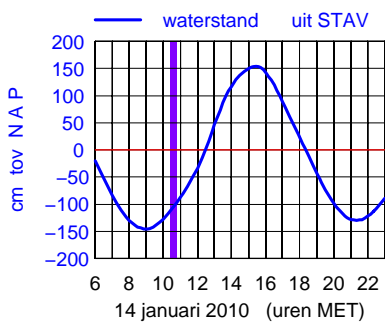
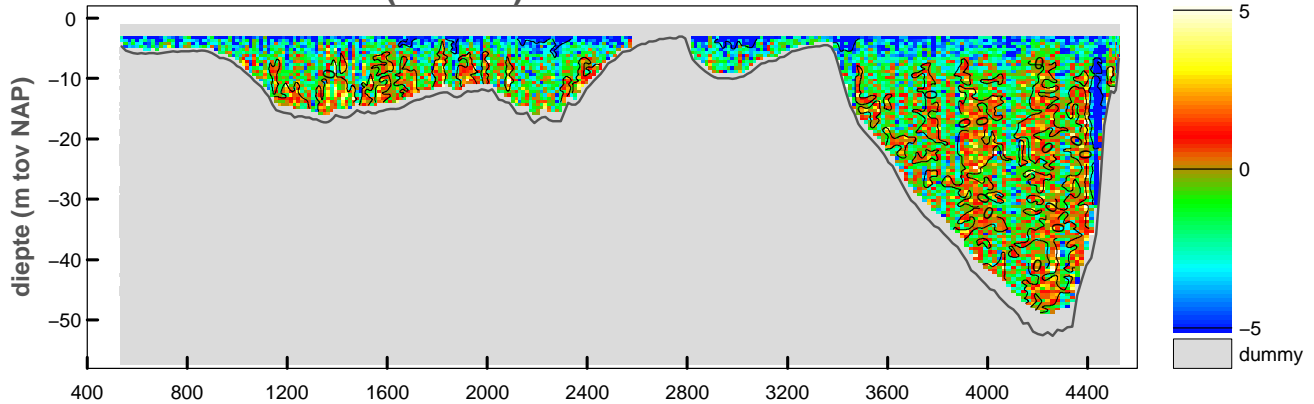
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

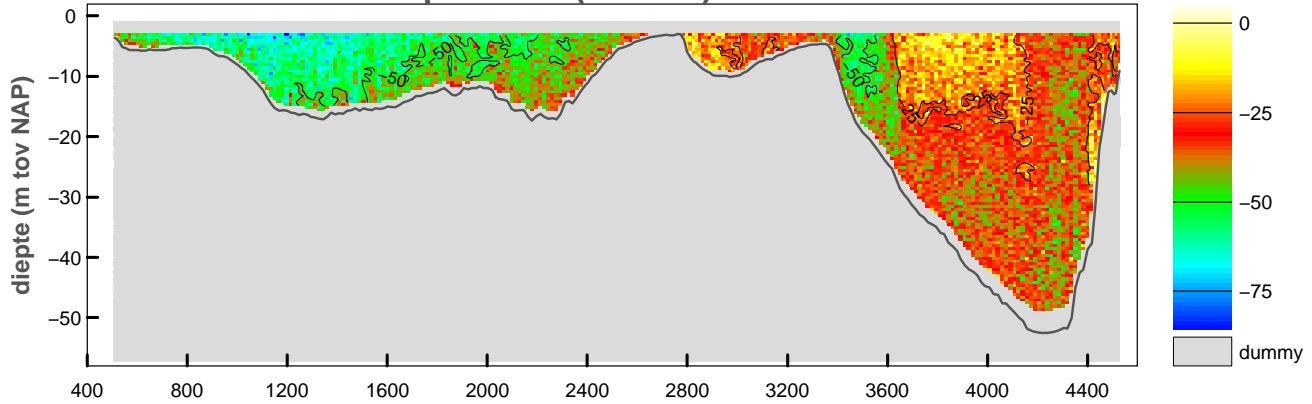


maximum gemiddelde stroom-
 snelheid in de vertikaal

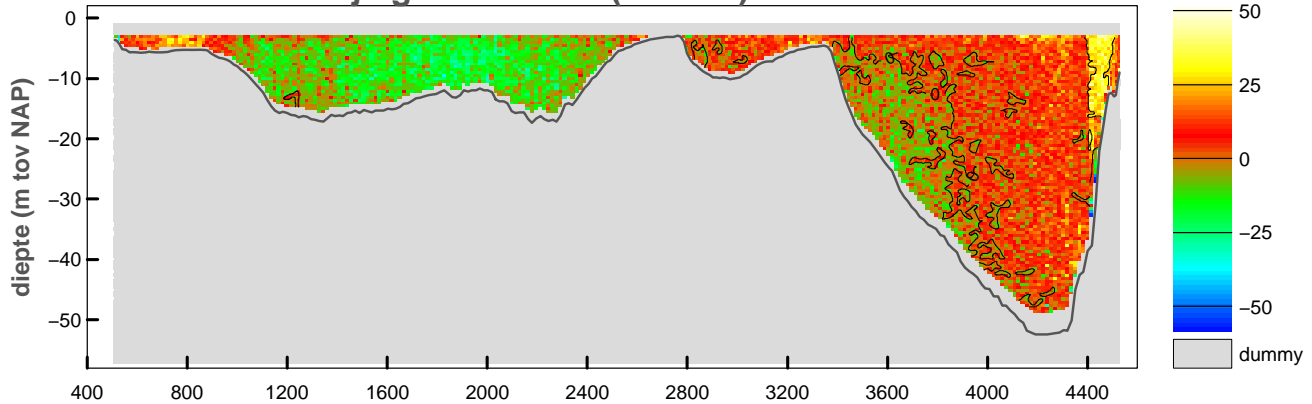
afstand uit nulpunt : 886 m
 stroomsnelheid : 64 cm/sec
 stroomrichting : 111°

doorstroomoppervlak : -65236 m²
 raaidebiet : -21002 m³/sec

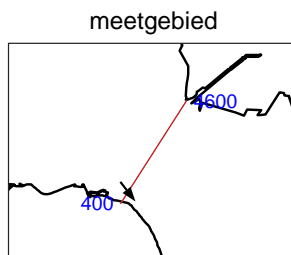
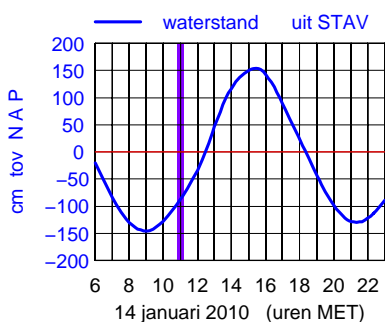
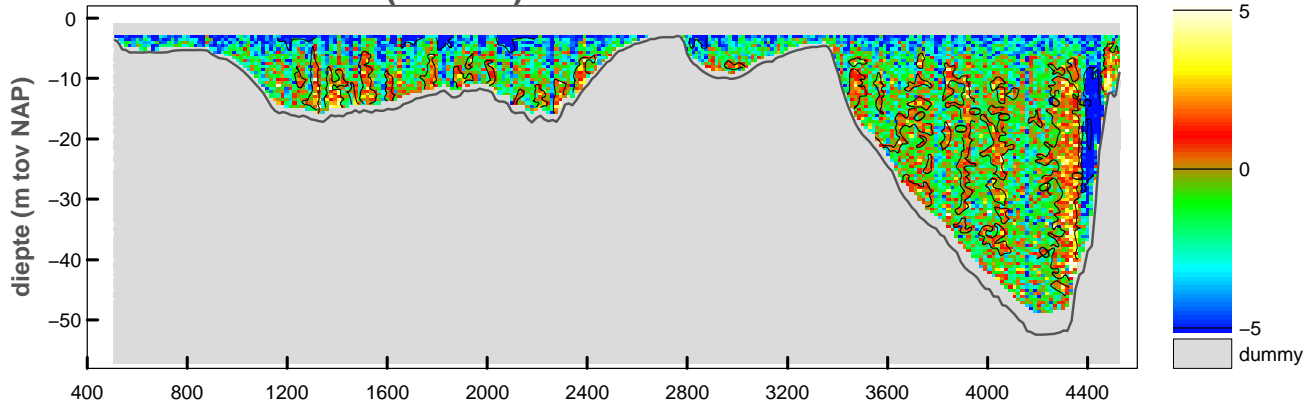
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

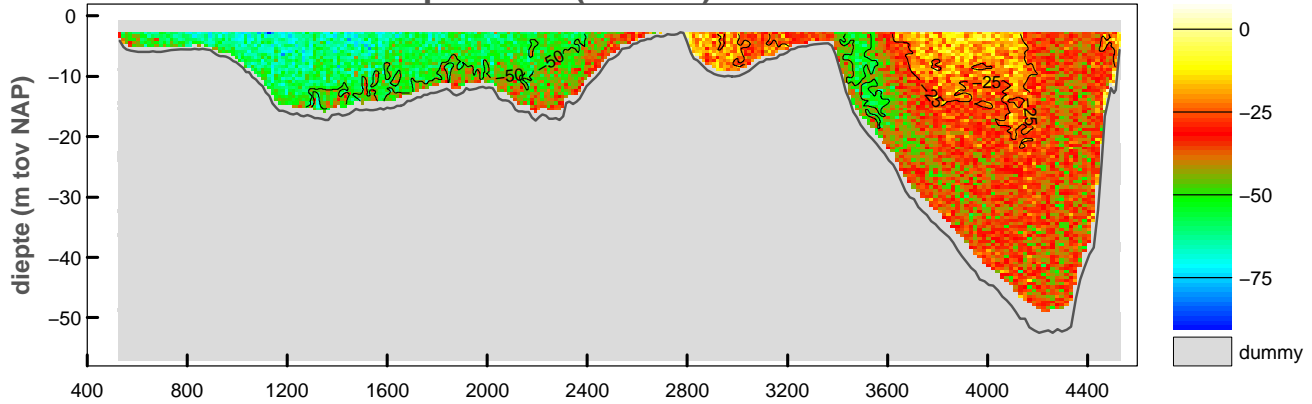


maximum gemiddelde stroom-
snelheid in de vertikaal

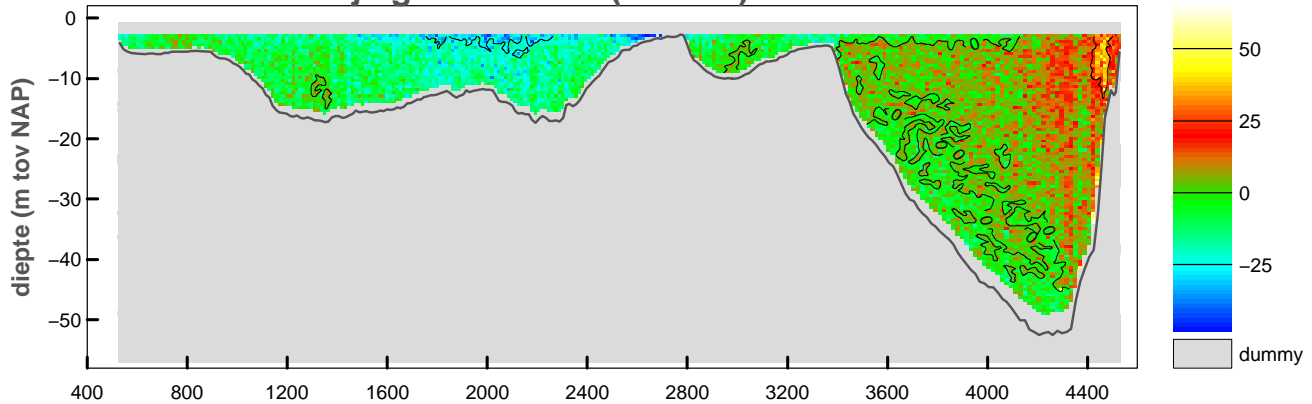
afstand uit nulpunt : 866 m
stroomsnelheid : 68 cm/sec
stroomrichting : 142°

doorstroomoppervlak : -66179 m²
raaidebiet : -24460 m³/sec

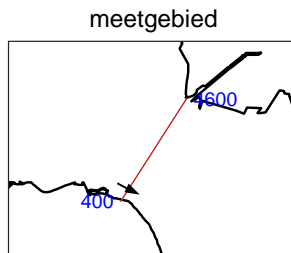
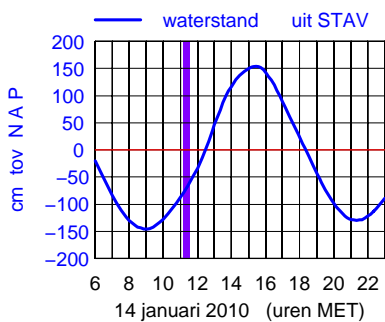
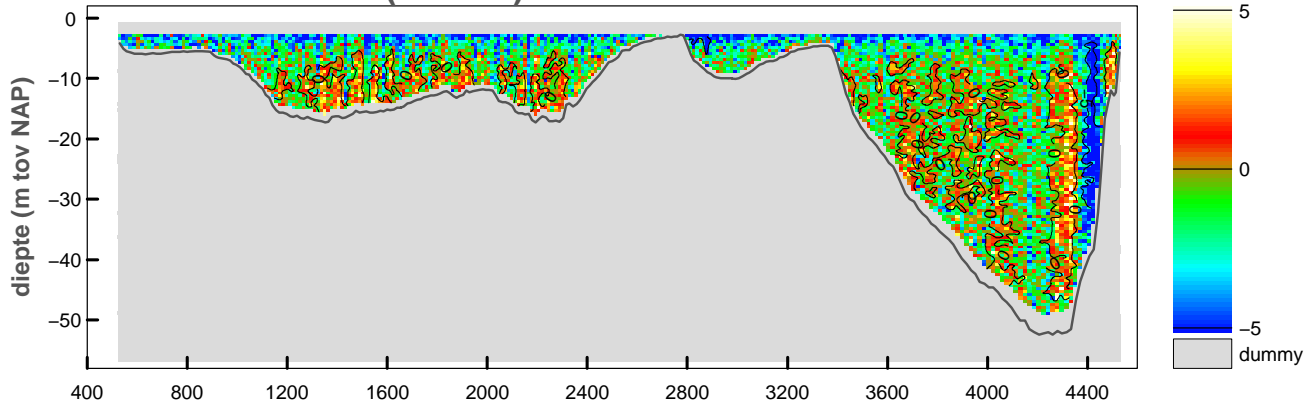
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

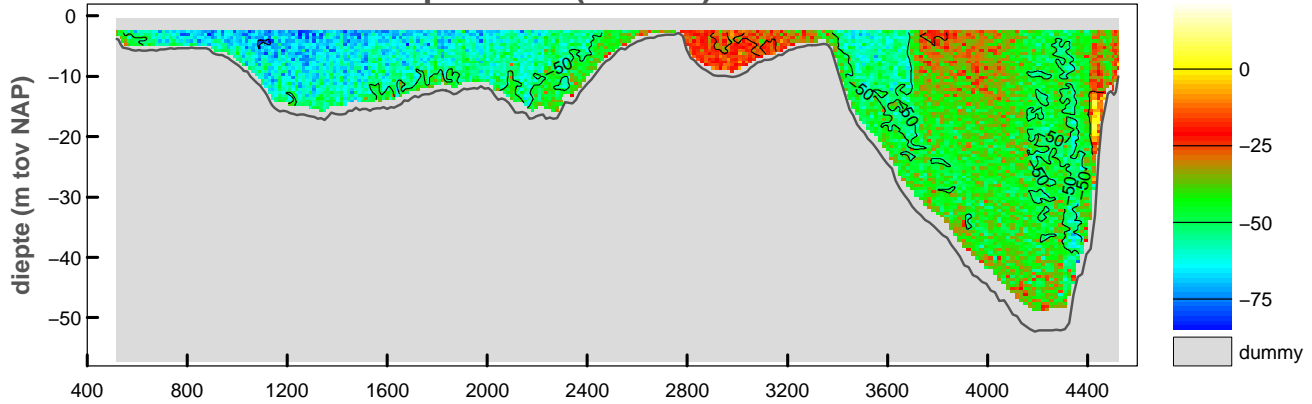


maximum gemiddelde stroom-
 snelheid in de vertikaal

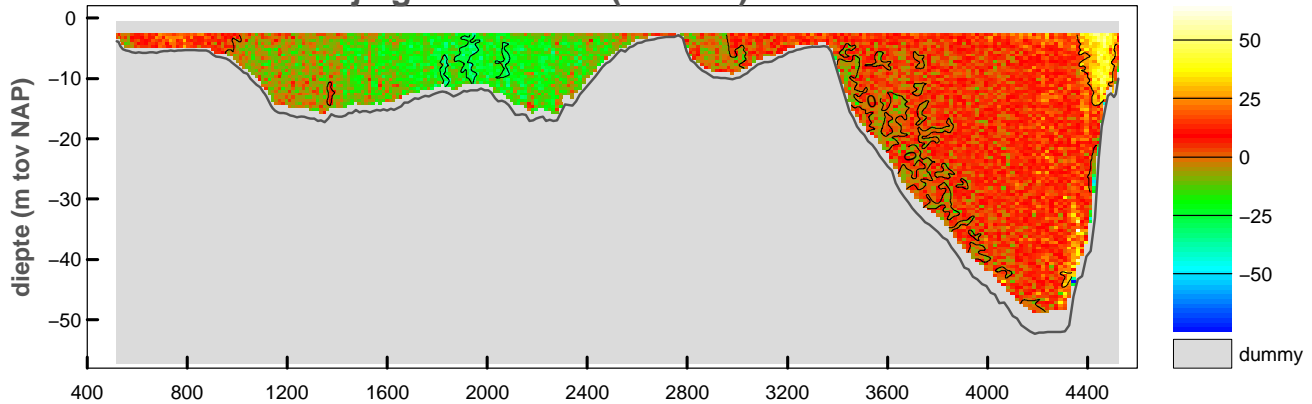
afstand uit nulpunt : 892 m
 stroomsnelheid : 69 cm/sec
 stroomrichting : 117°

doorstroomoppervlak : -66735 m²
 raaidebiet : -25637 m³/sec

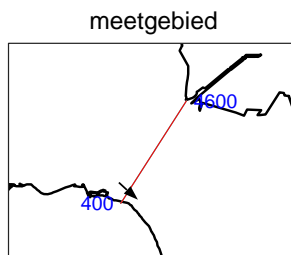
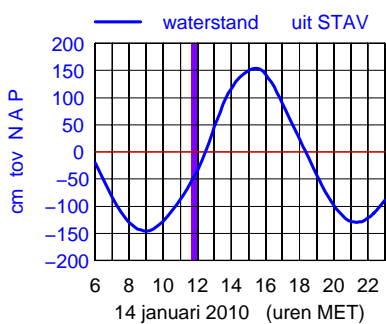
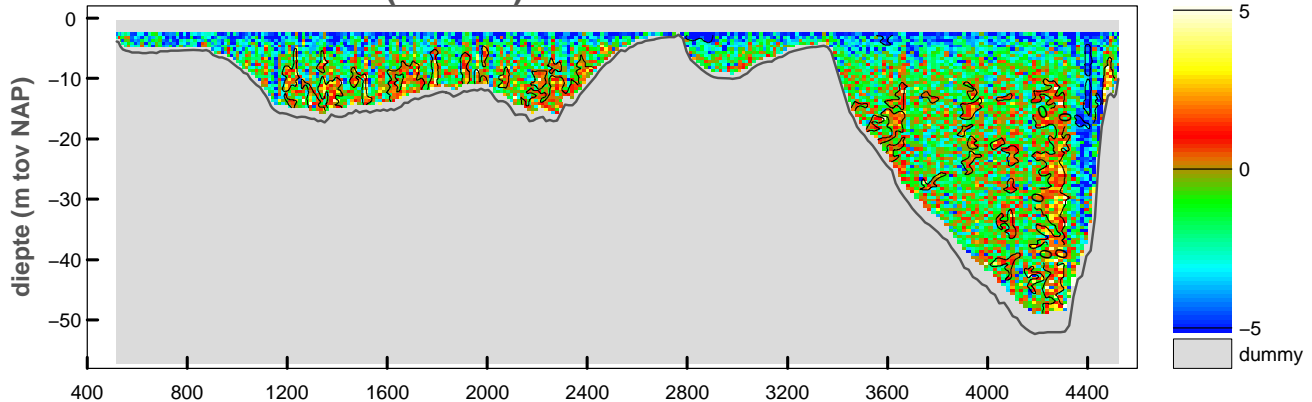
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

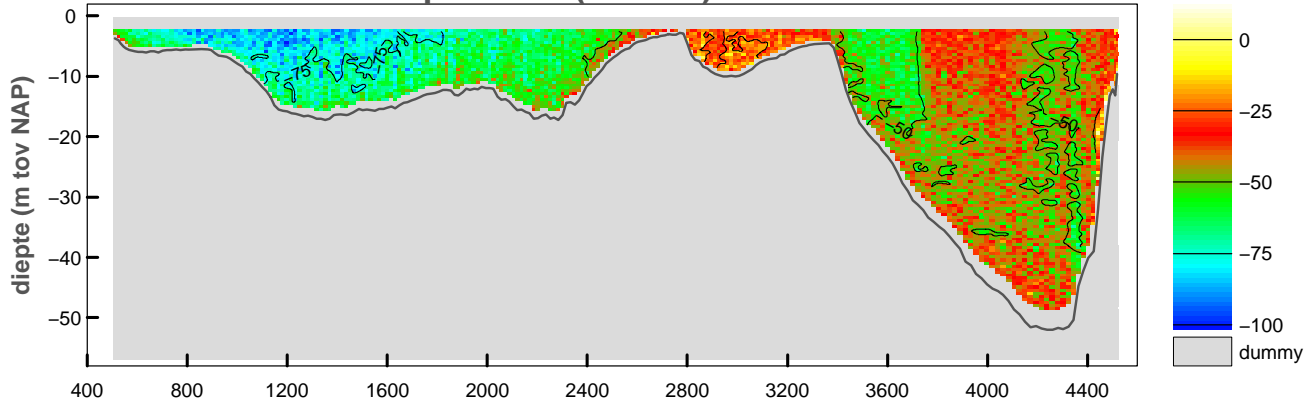


maximum gemiddelde stroom-
 snelheid in de vertikaal

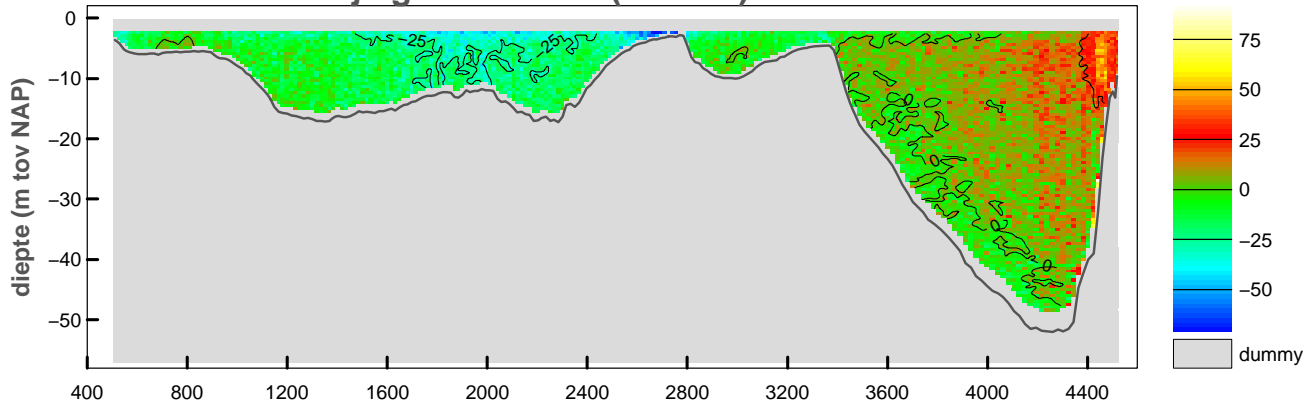
afstand uit nulpunt : 890 m
 stroomsnelheid : 70 cm/sec
 stroomrichting : 133°

doorstroomoppervlak : -67802 m²
 raaidebiet : -30989 m³/sec

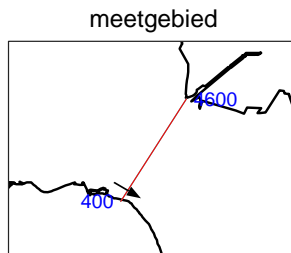
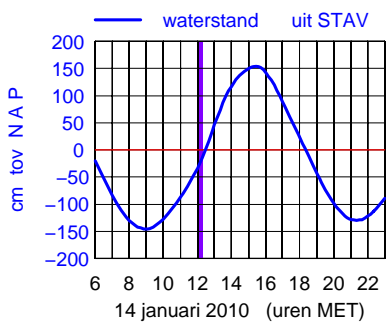
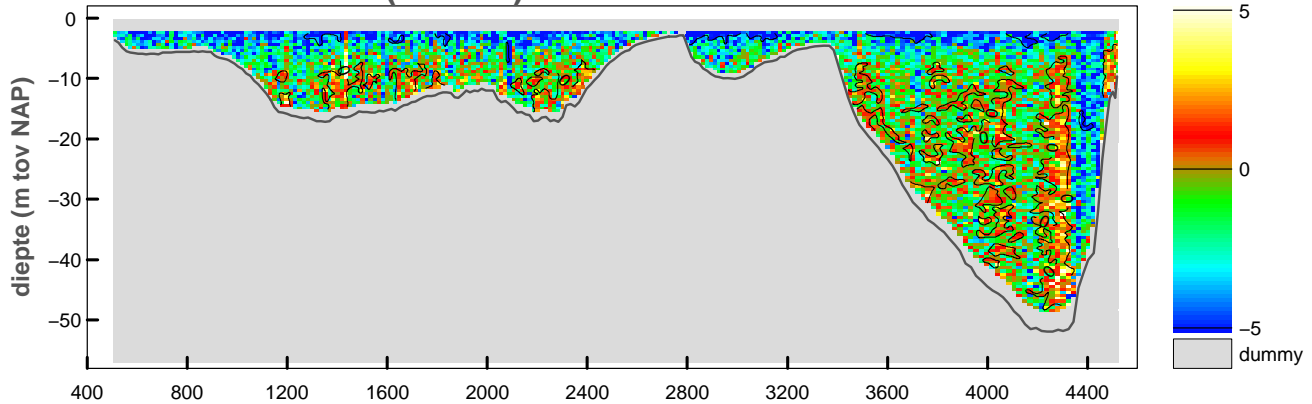
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

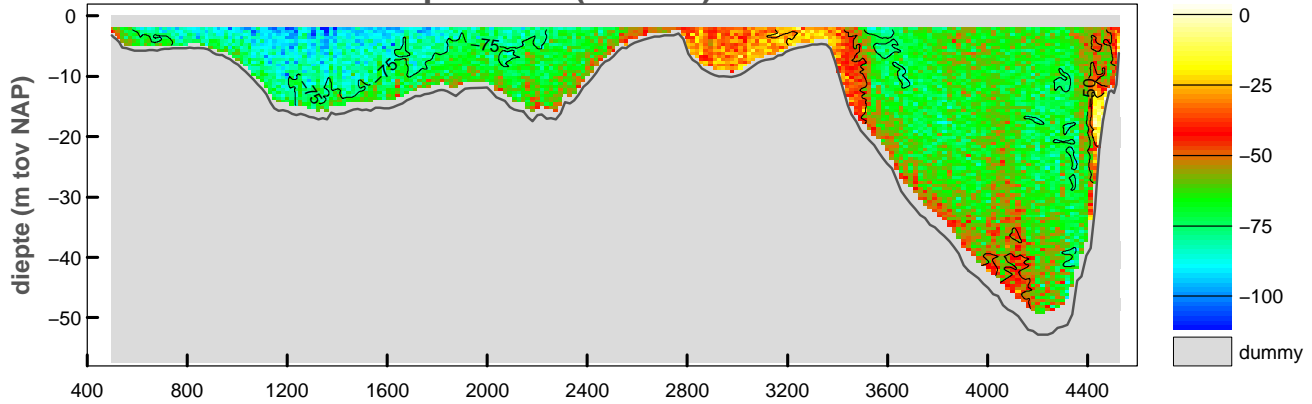


maximum gemiddelde stroom-
 snelheid in de vertikaal

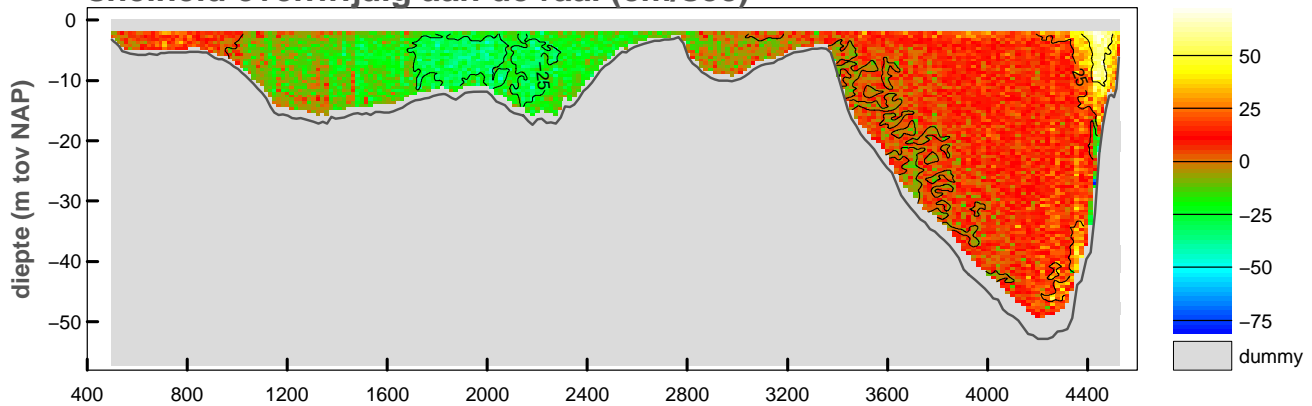
afstand uit nulpunt : 845 m
 stroomsnelheid : 87 cm/sec
 stroomrichting : 120°

doorstroomoppervlak : -68526 m²
 raaidebiet : -34405 m³/sec

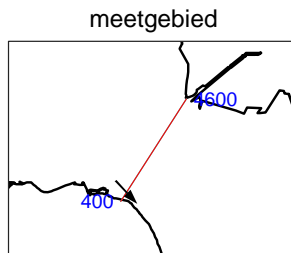
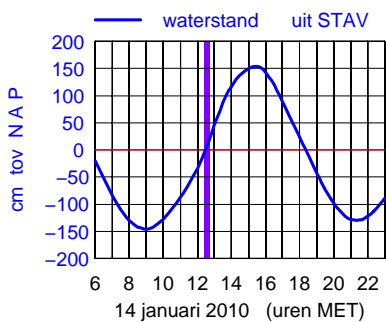
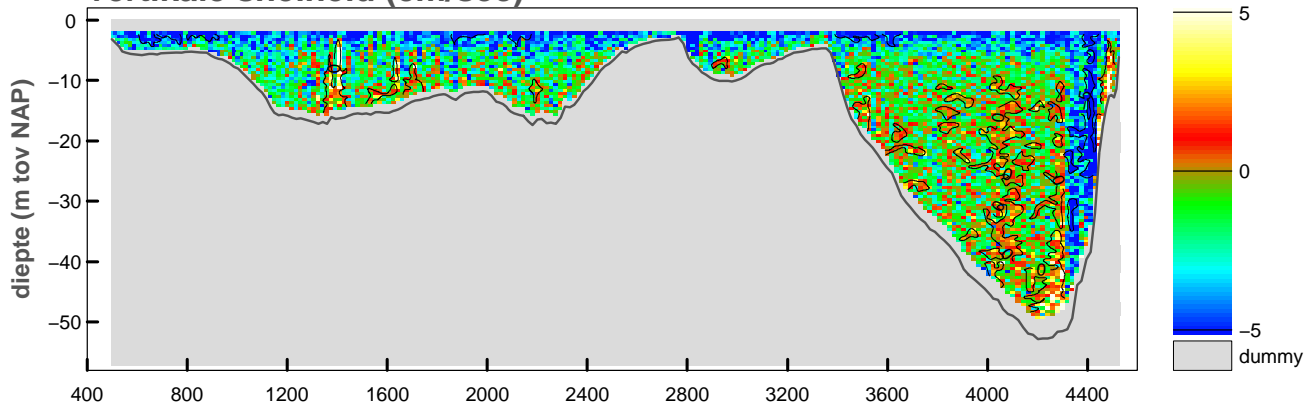
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticaleal

afstand uit nulpunt : 761 m

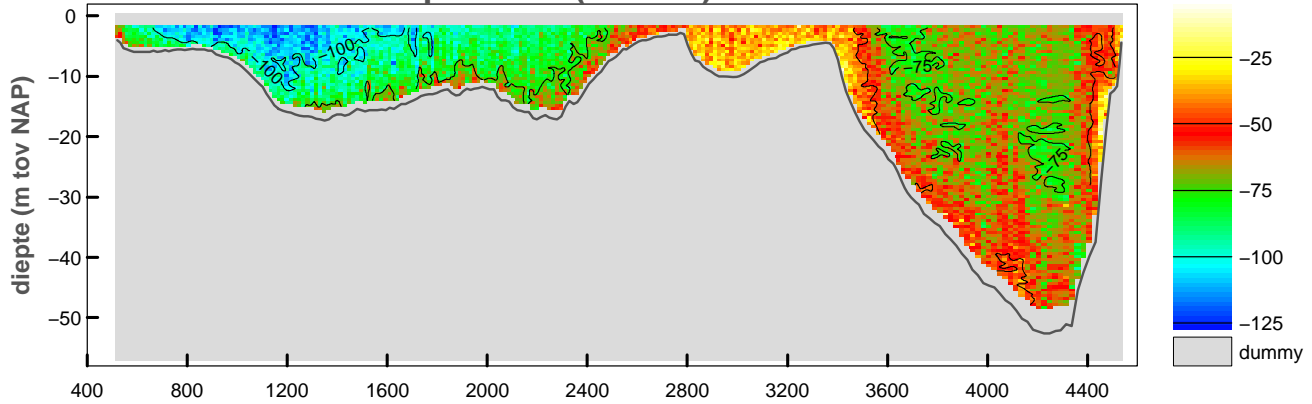
stroomsnelheid : 87 cm/sec

stroomrichting : 137°

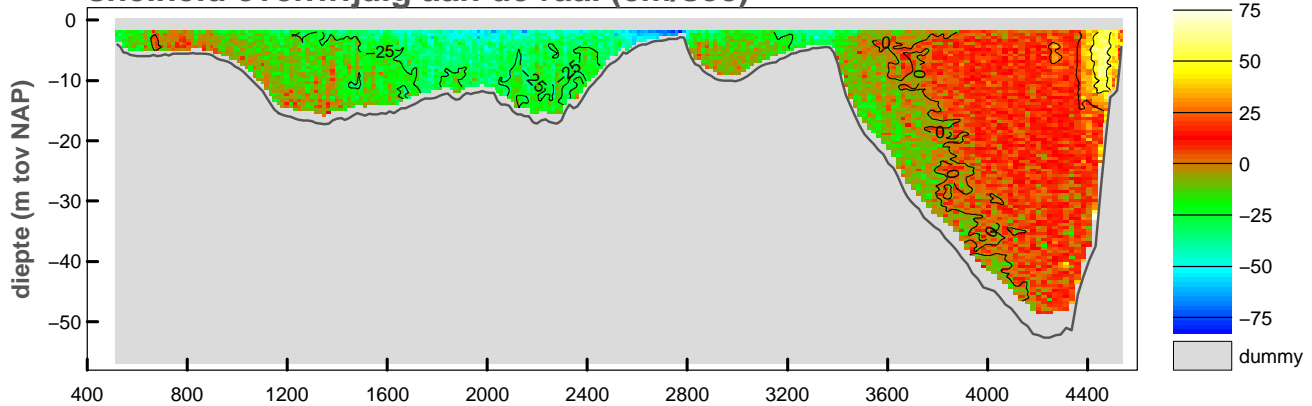
doorstroomoppervlak : -70006 m²

raaidebiet : -43987 m³/sec

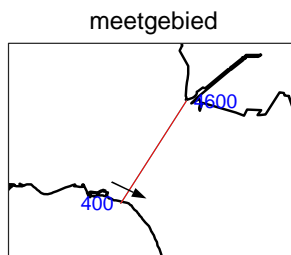
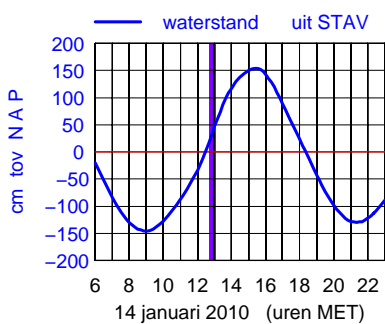
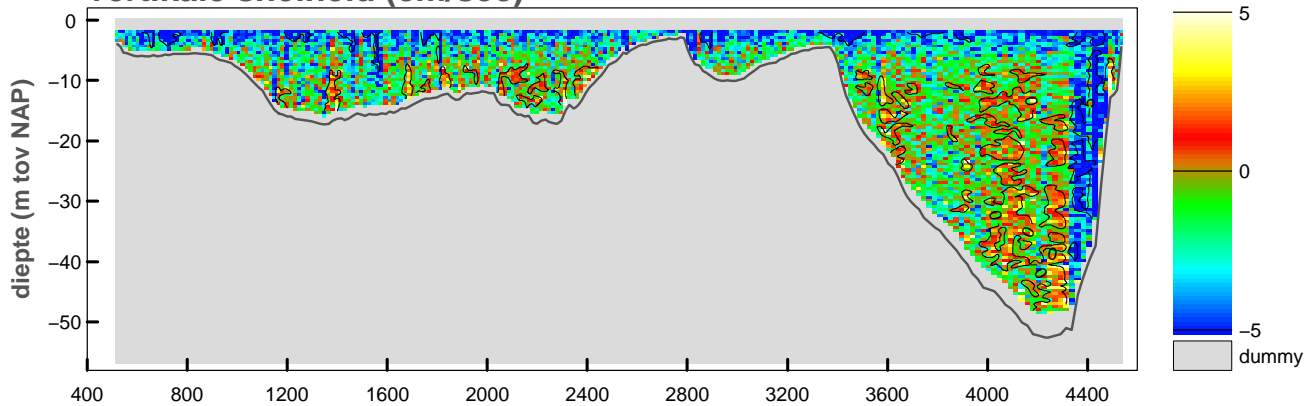
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

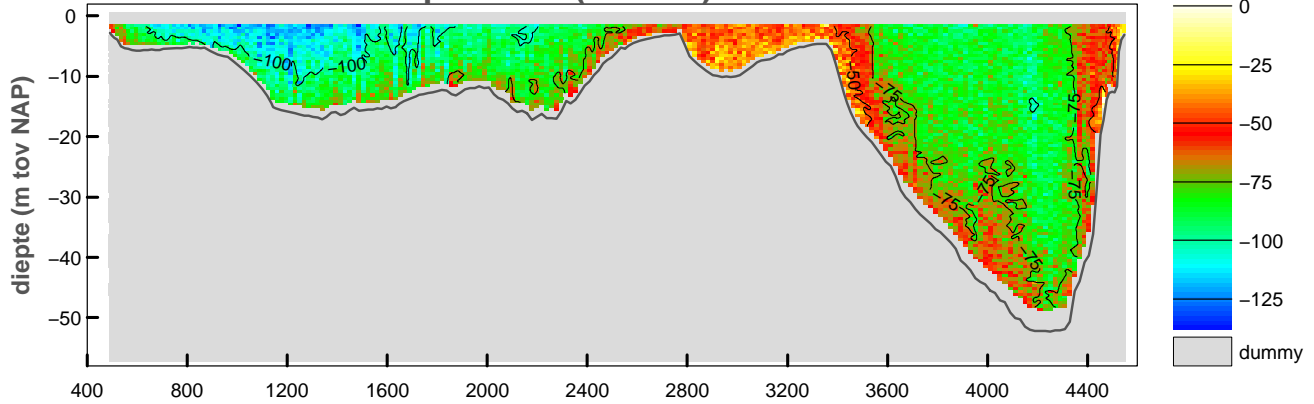


maximum gemiddelde stroom-
 snelheid in de vertikaal

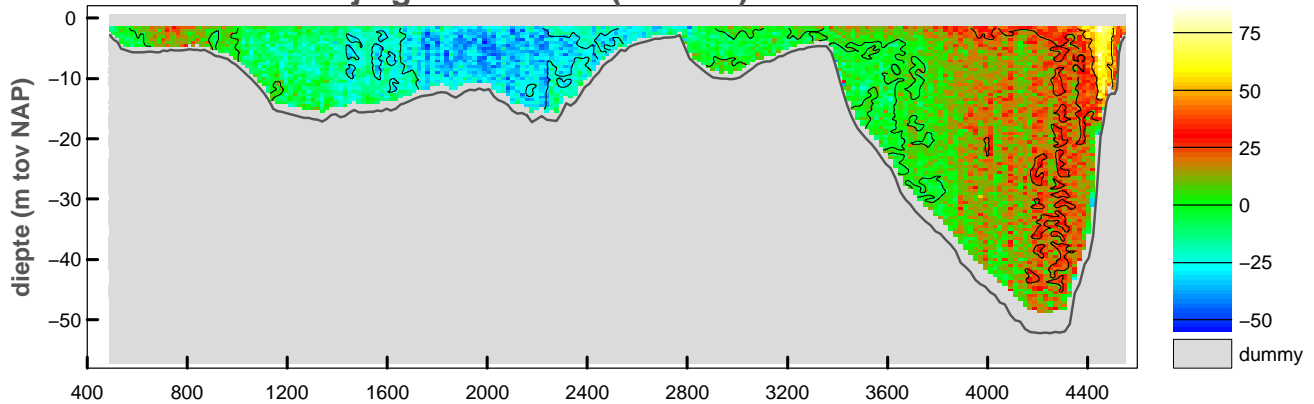
afstand uit nulpunt : 930 m
 stroomsnelheid : 107 cm/sec
 stroomrichting : 116°

doorstroomoppervlak : -71123 m²
 raaidebiet : -48990 m³/sec

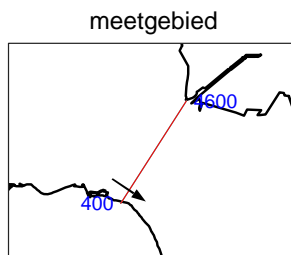
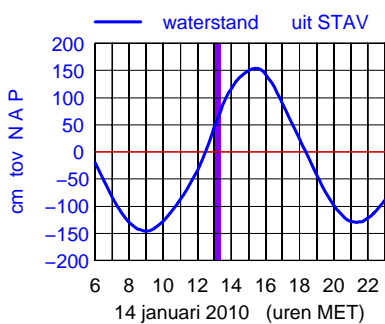
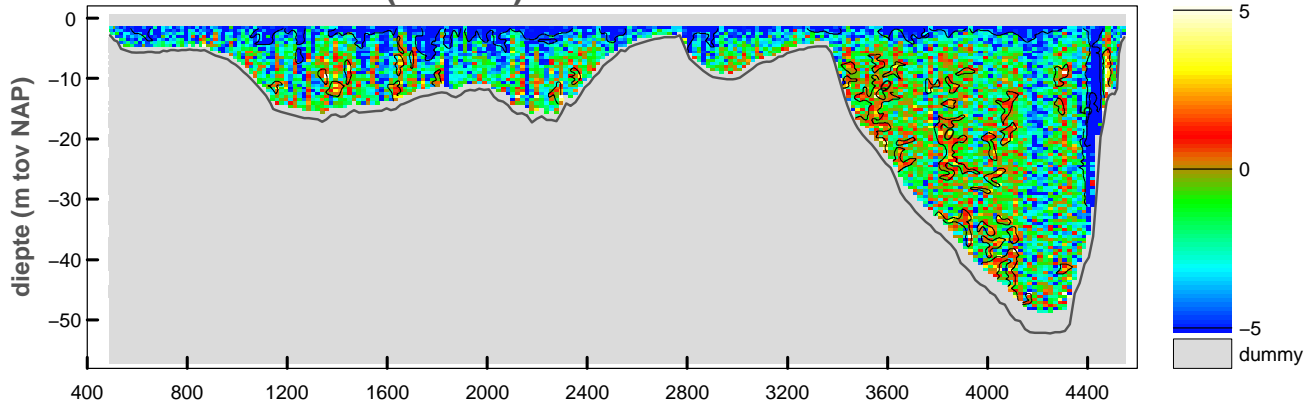
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

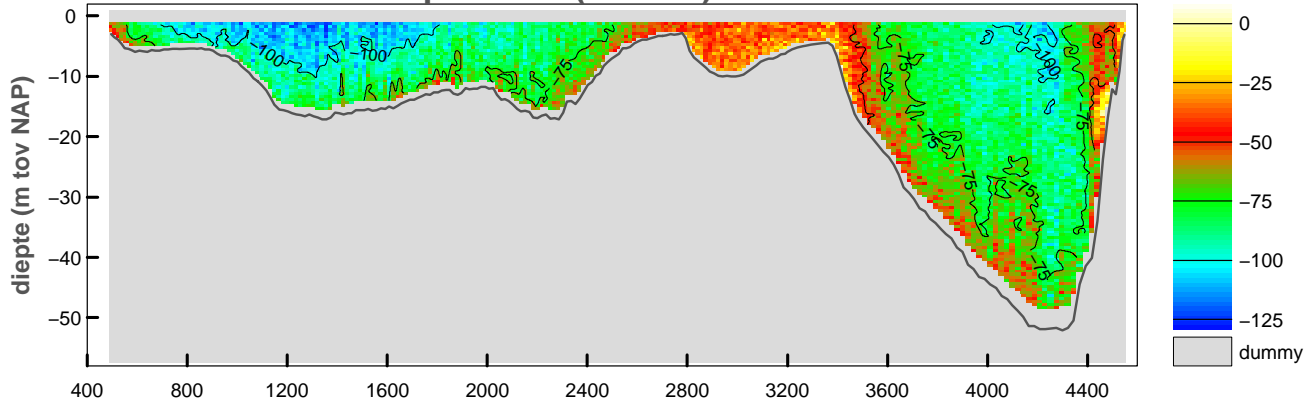


maximum gemiddelde stroom-
 snelheid in de vertikaal

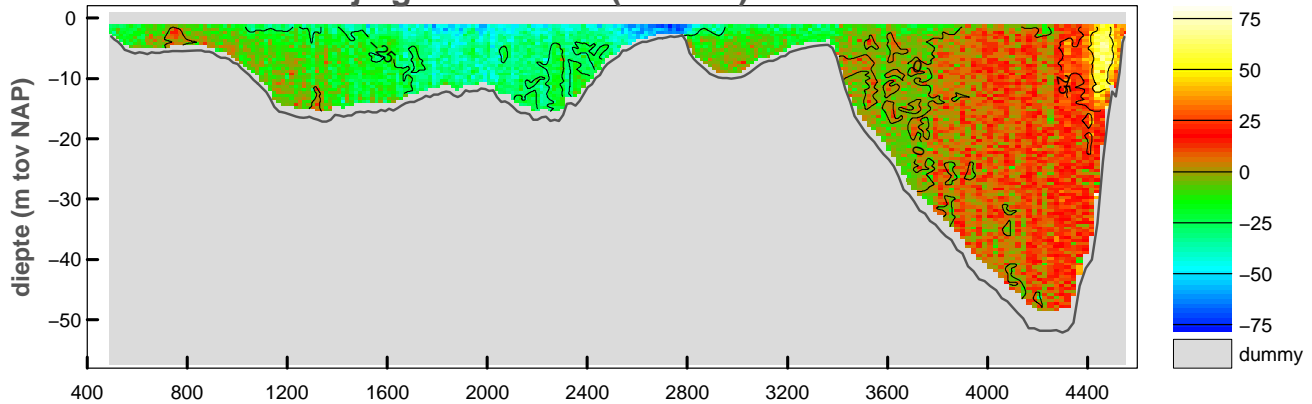
afstand uit nulpunt : 930 m
 stroomsnelheid : 112 cm/sec
 stroomrichting : 124°

doorstroomoppervlak : -72443 m²
 raaidebiet : -56143 m³/sec

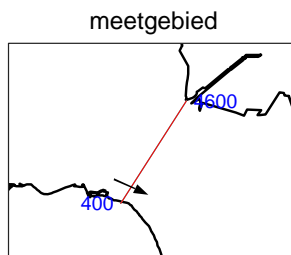
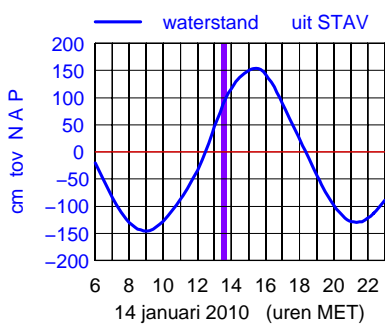
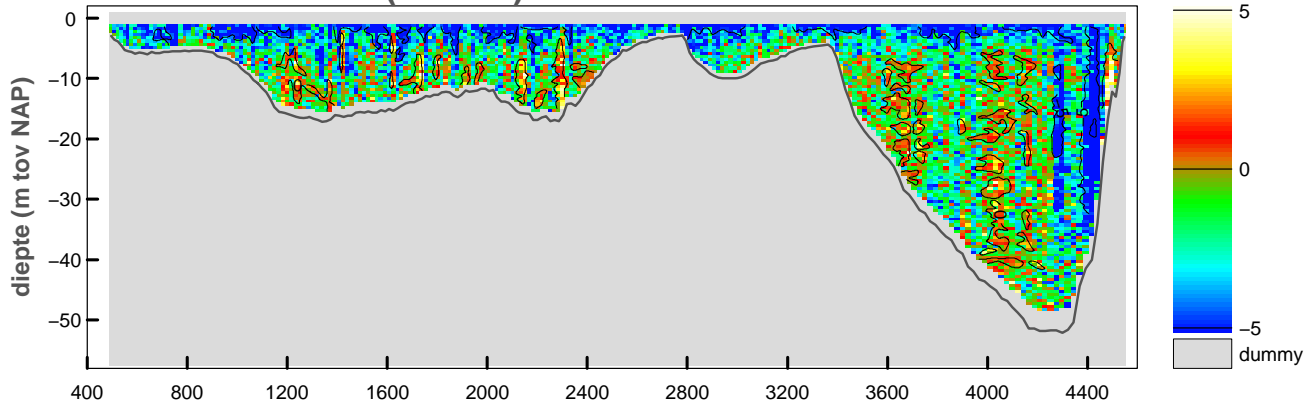
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 1065 m

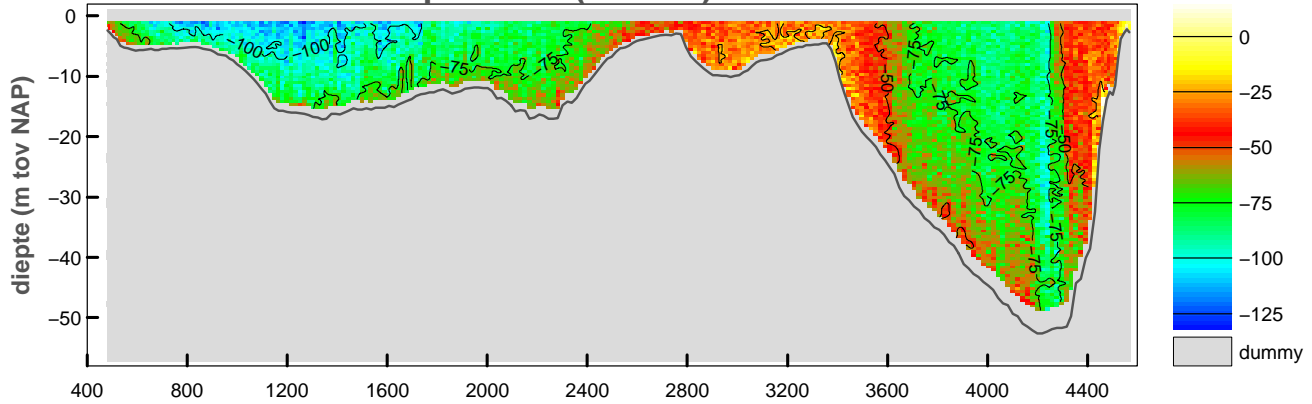
stroomsnelheid : 104 cm/sec

stroomrichting : 114°

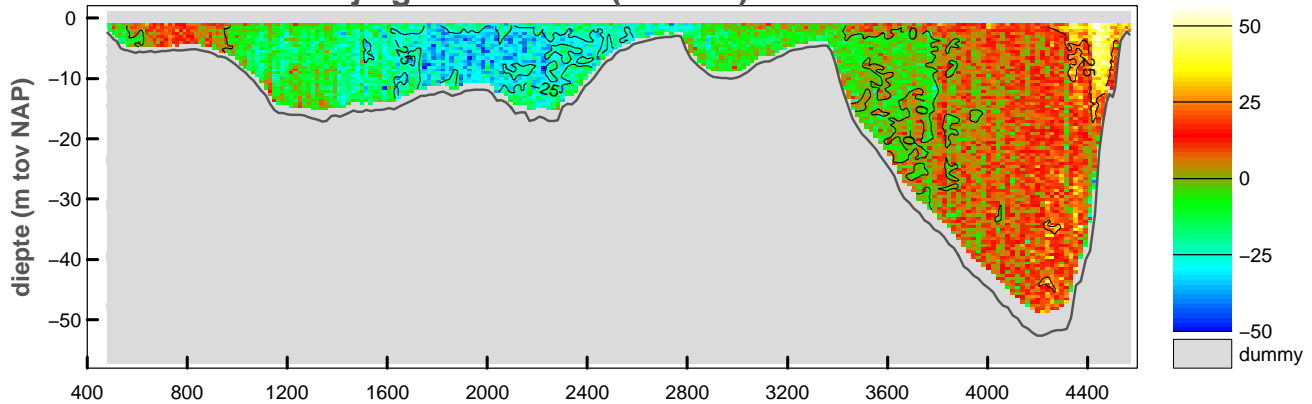
doorstroomoppervlak : -73155 m²

raaidebiet : -54927 m³/sec

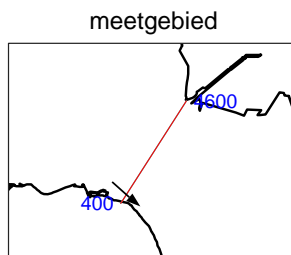
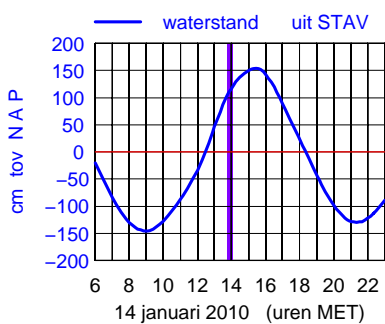
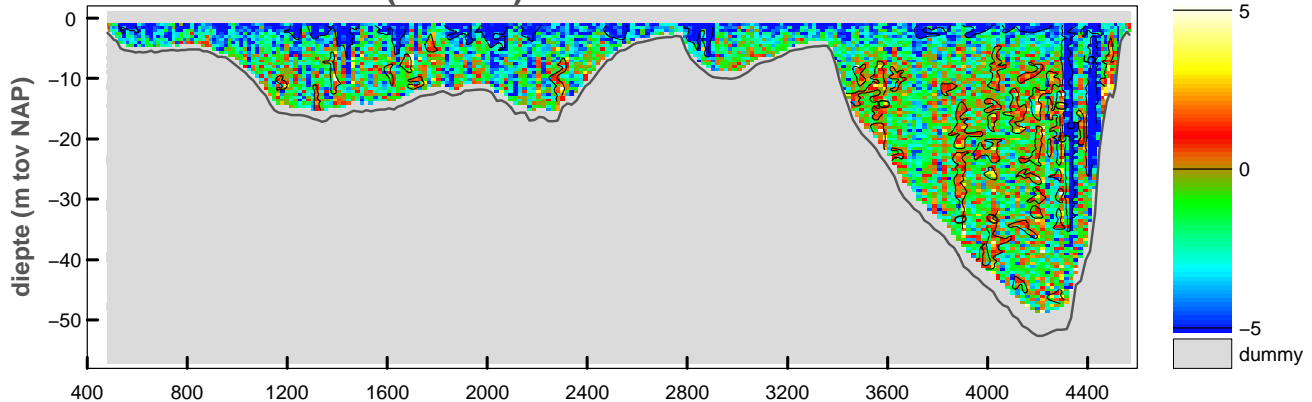
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

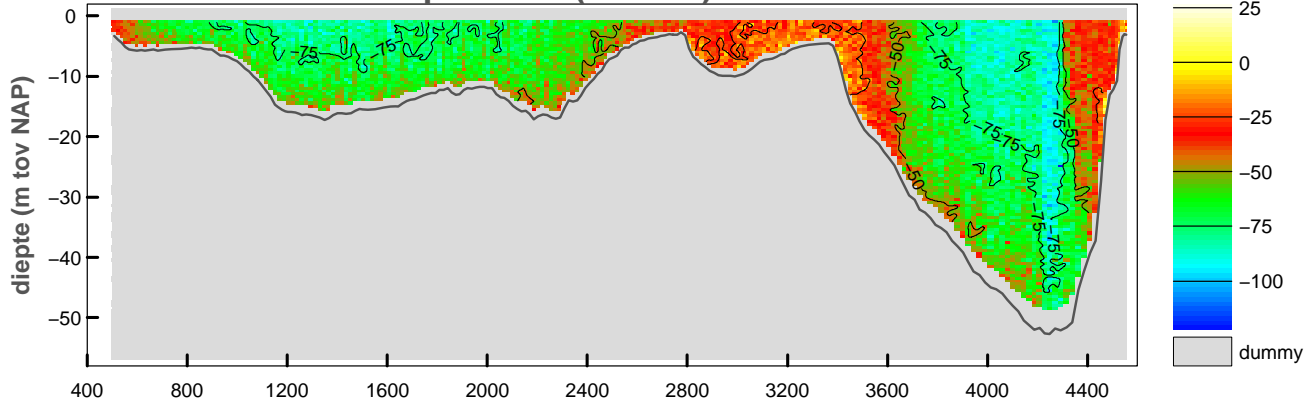


maximum gemiddelde stroom-
 snelheid in de vertikaal

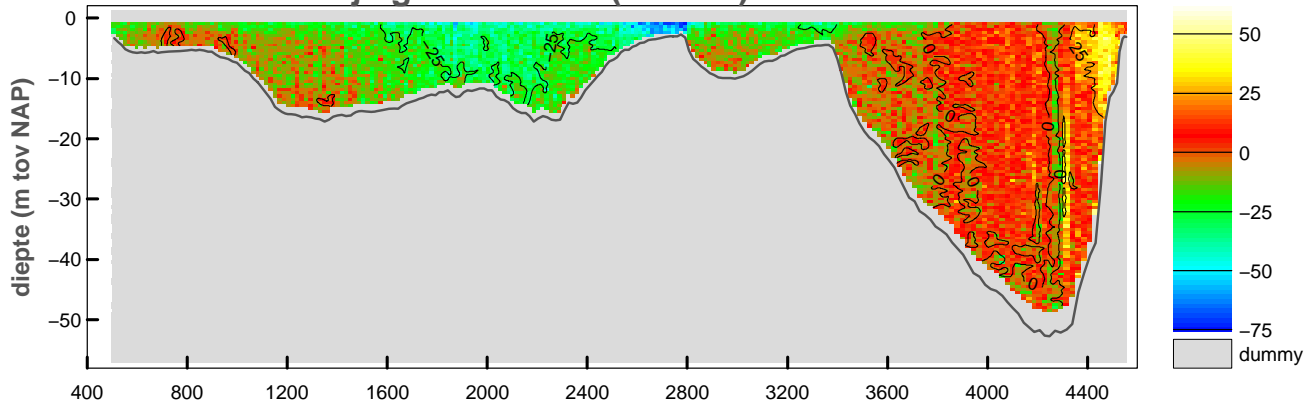
afstand uit nulpunt : 761 m
 stroomsnelheid : 103 cm/sec
 stroomrichting : 132°

doorstroomoppervlak : -74134 m²
 raaidebiet : -49976 m³/sec

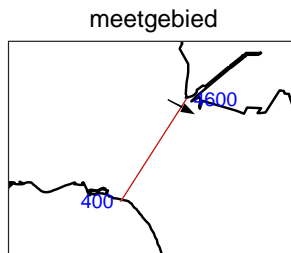
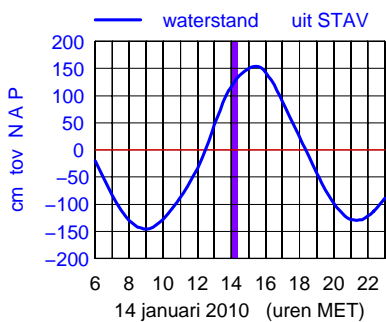
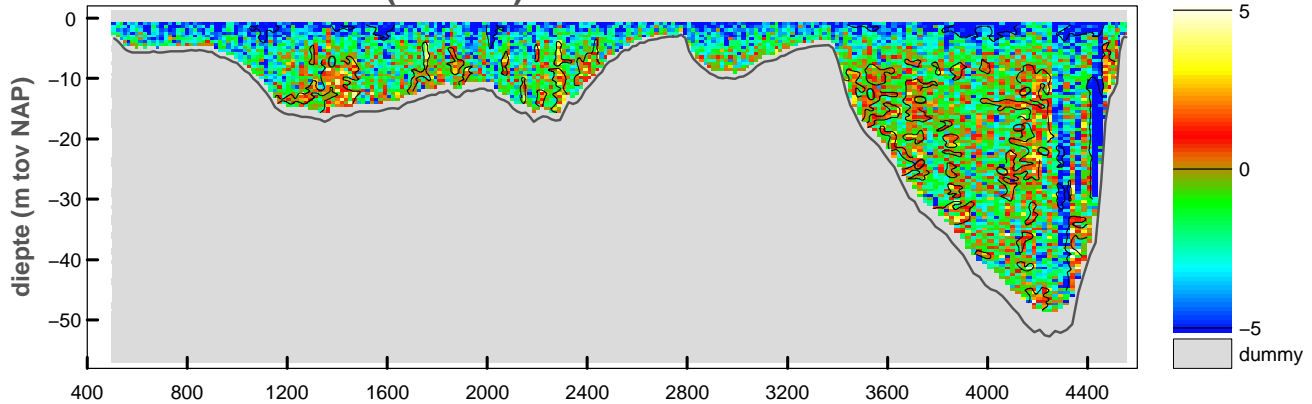
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

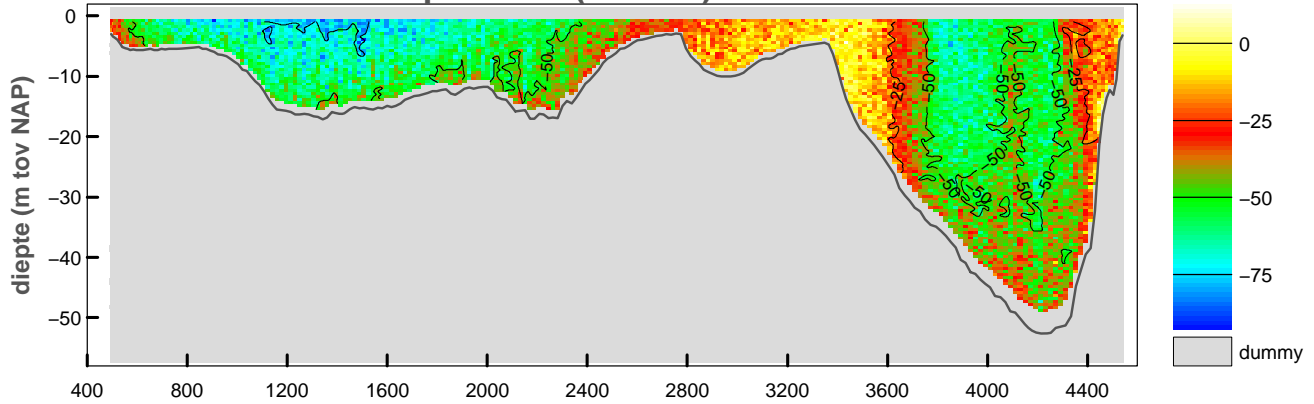


maximum gemiddelde stroom-
 snelheid in de verticaleal

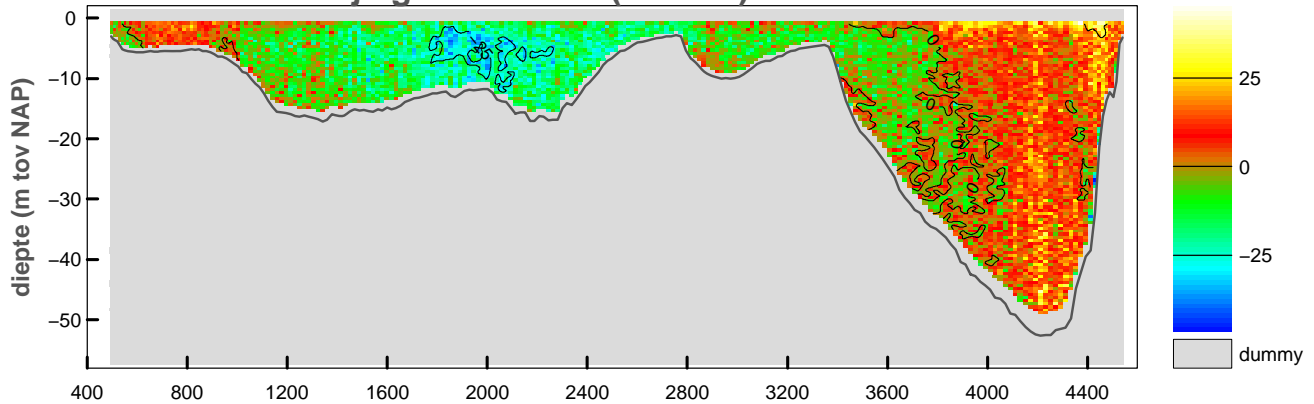
afstand uit nulpunt : 4271 m
 stroomsnelheid : 86 cm/sec
 stroomrichting : 118°

doorstroomoppervlak : -74378 m²
 raaidebiet : -43572 m³/sec

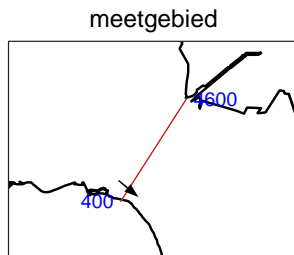
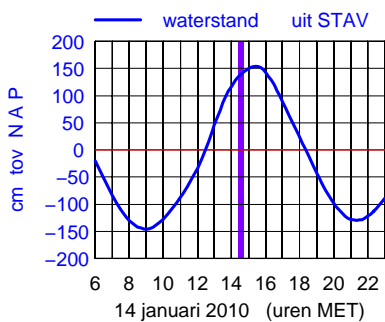
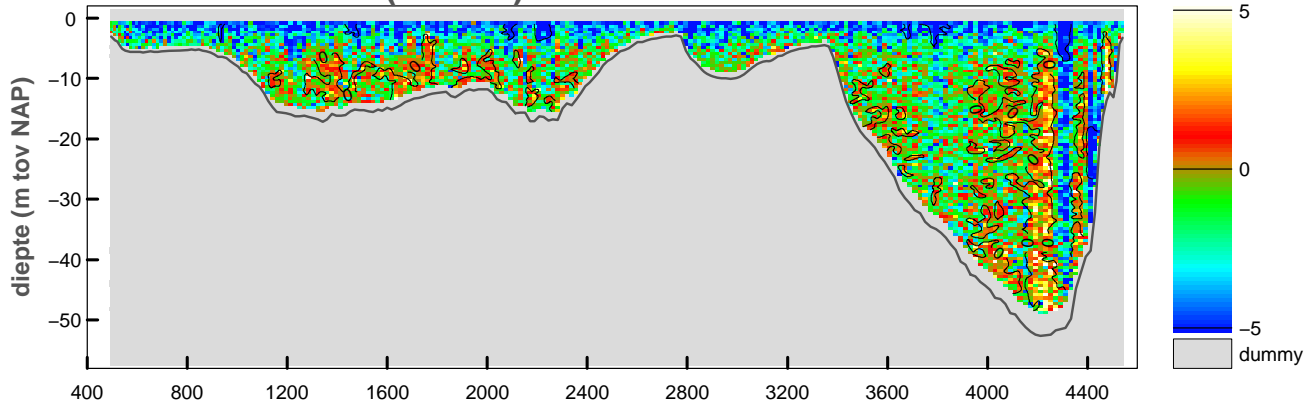
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

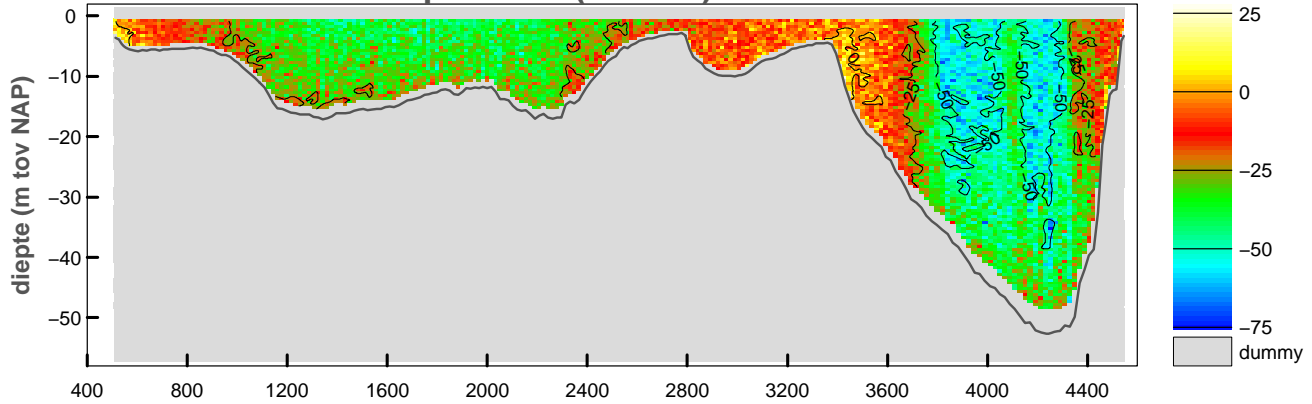


maximum gemiddelde stroom-
 snelheid in de vertikaal

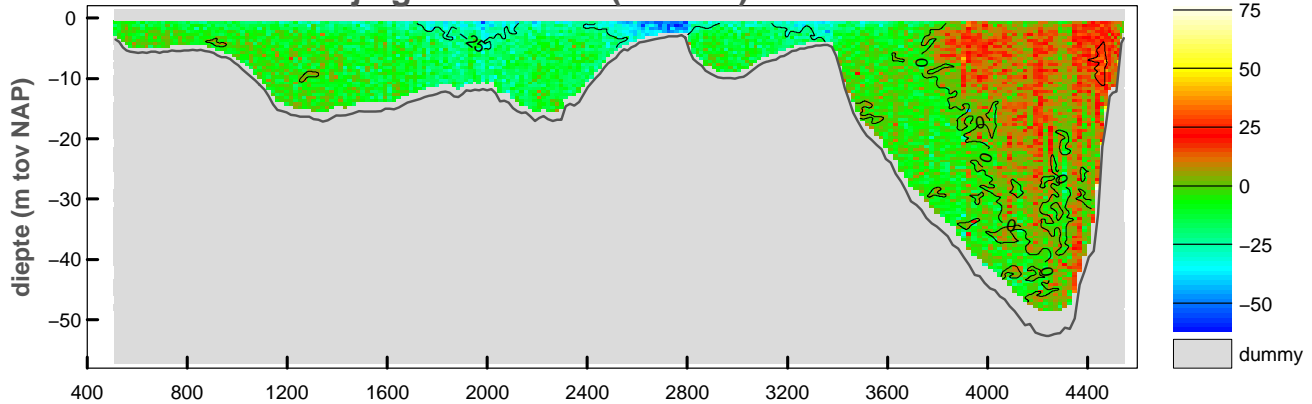
afstand uit nulpunt : 908 m
 stroomsnelheid : 72 cm/sec
 stroomrichting : 129°

doorstroomoppervlak : -74961 m²
 raaidebiet : -33097 m³/sec

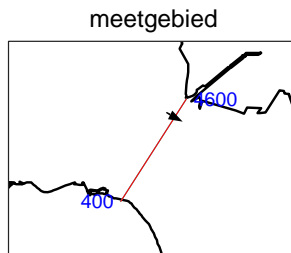
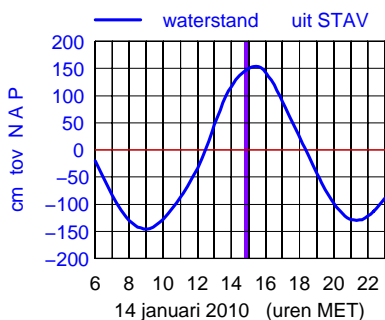
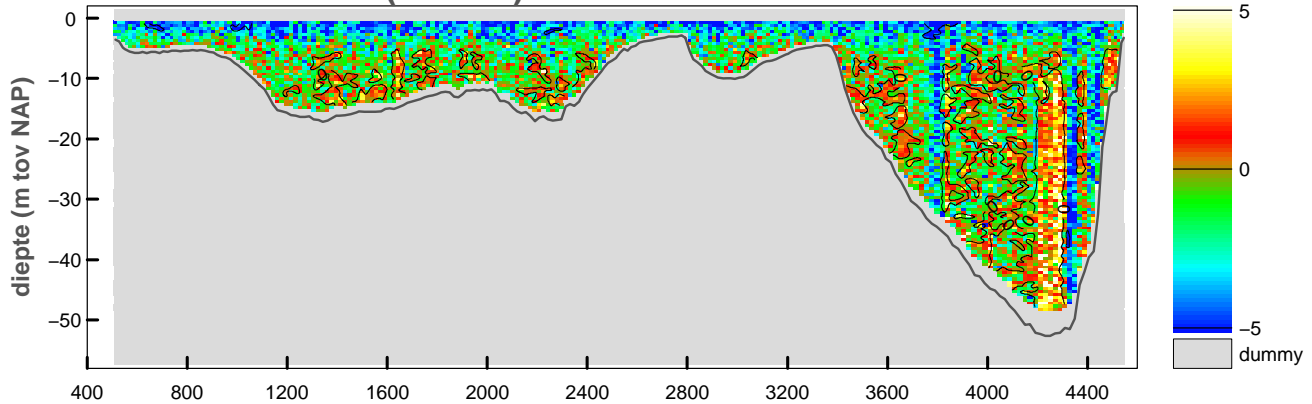
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de vertikaal

afstand uit nulpunt : 3841 m

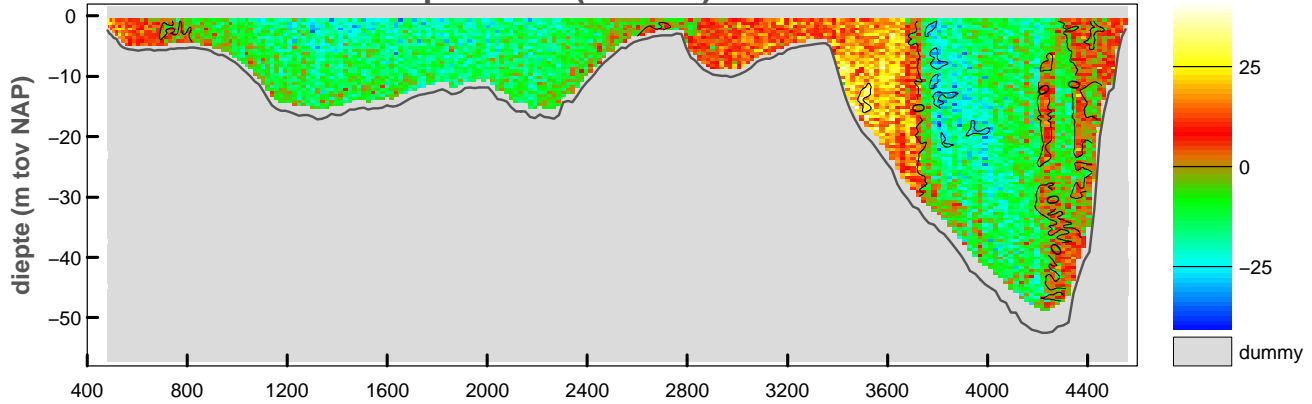
stroomsnelheid : 52 cm/sec

stroomrichting : 120°

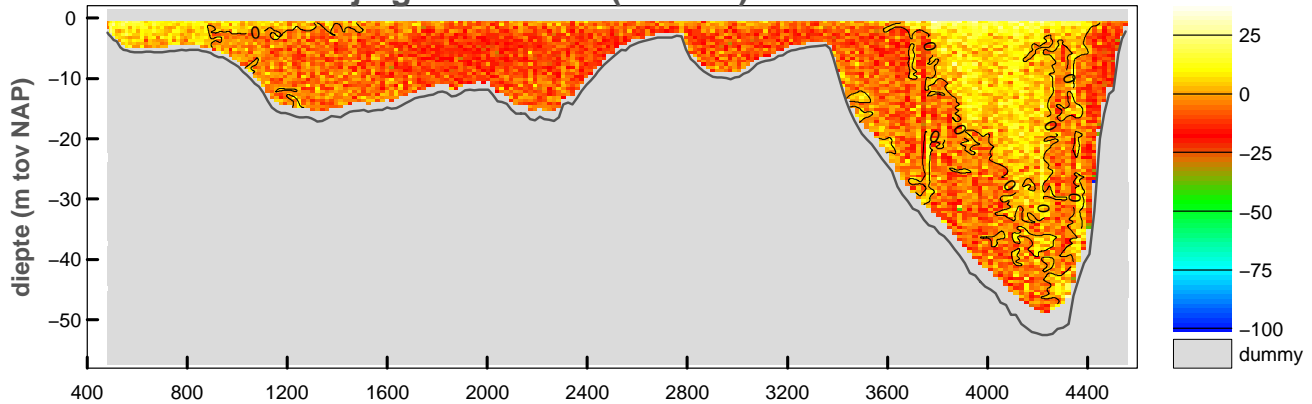
doorstroomoppervlak : -75200 m²

raaidebiet : -22896 m³/sec

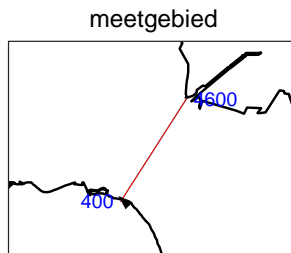
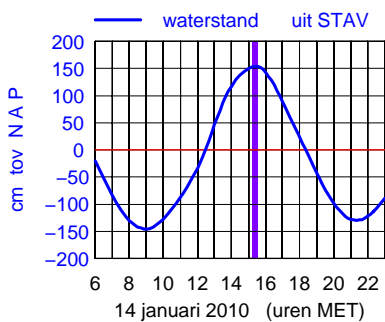
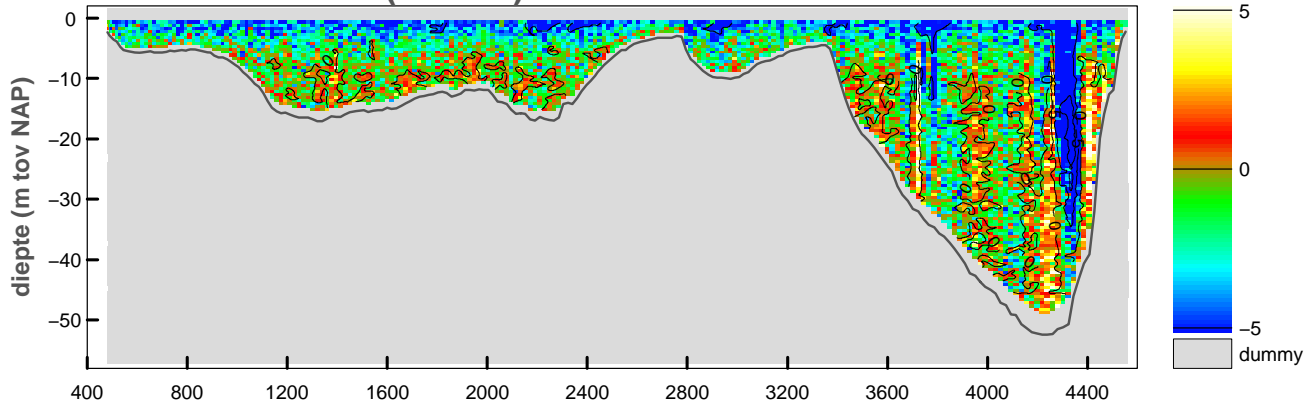
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de vertikaal

afstand uit nulpunt : 482 m

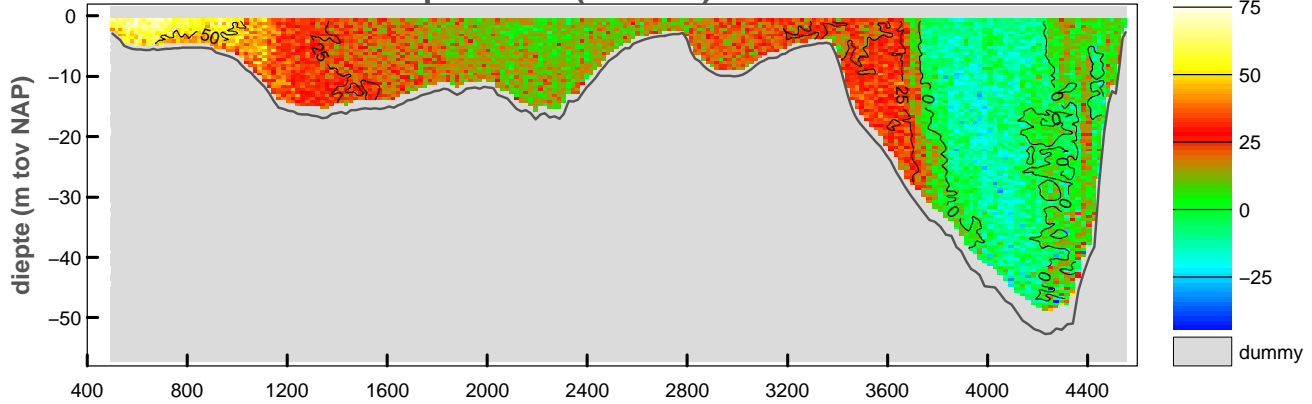
stroomsnelheid : 27 cm/sec

stroomrichting : 312°

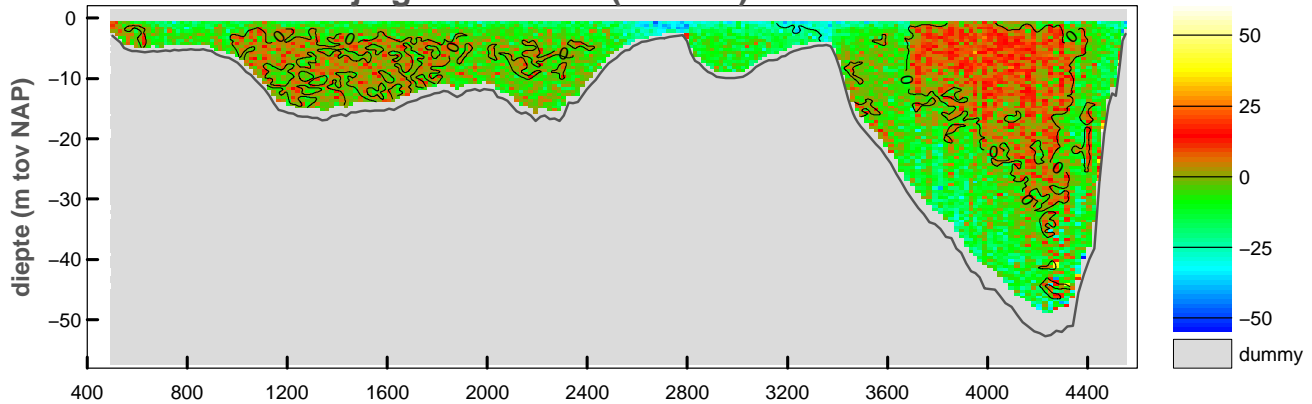
doorstroomoppervlak : -75676 m²

raaidebiet : -4137 m³/sec

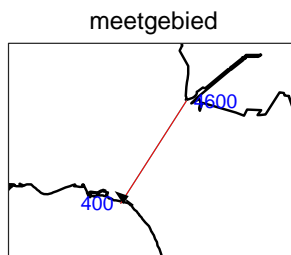
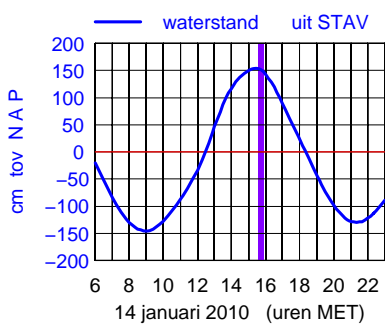
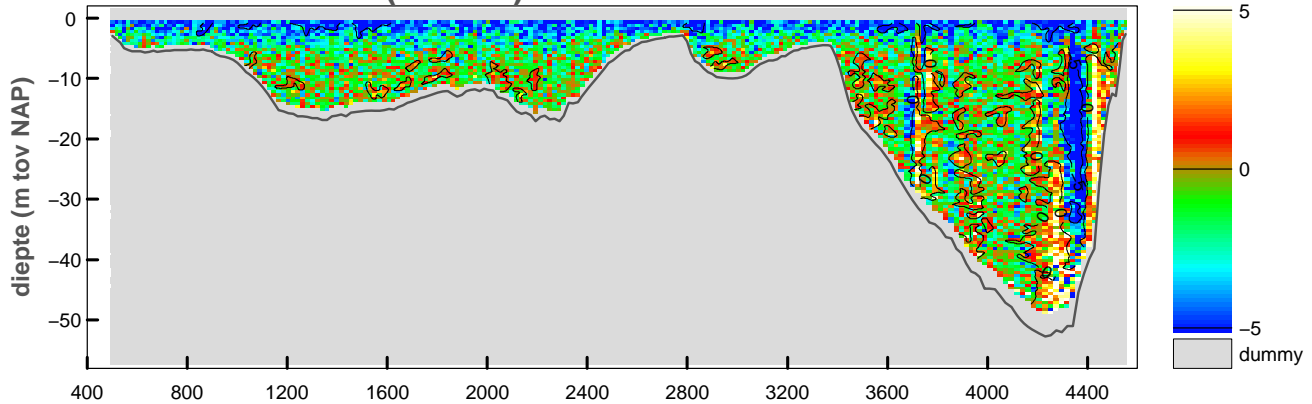
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

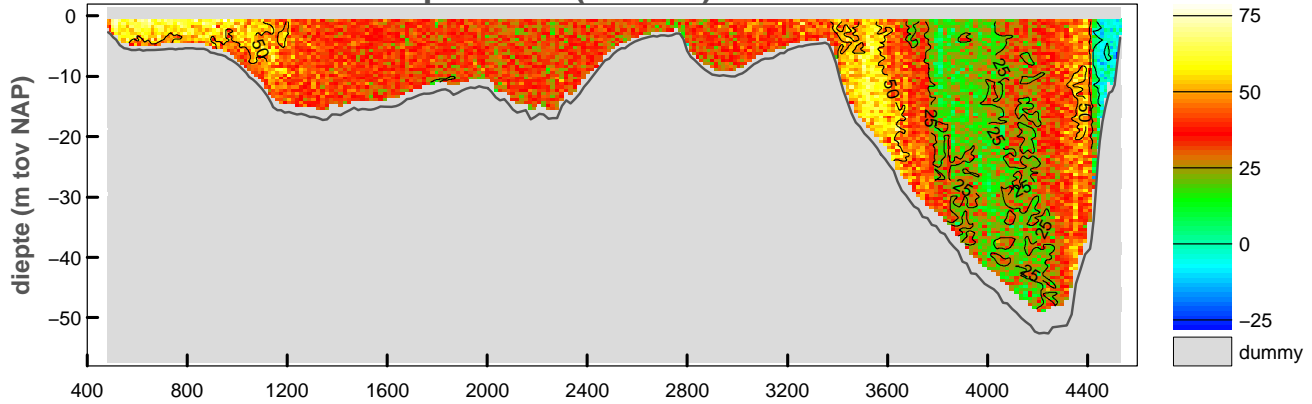


maximum gemiddelde stroom-
snelheid in de vertikaal

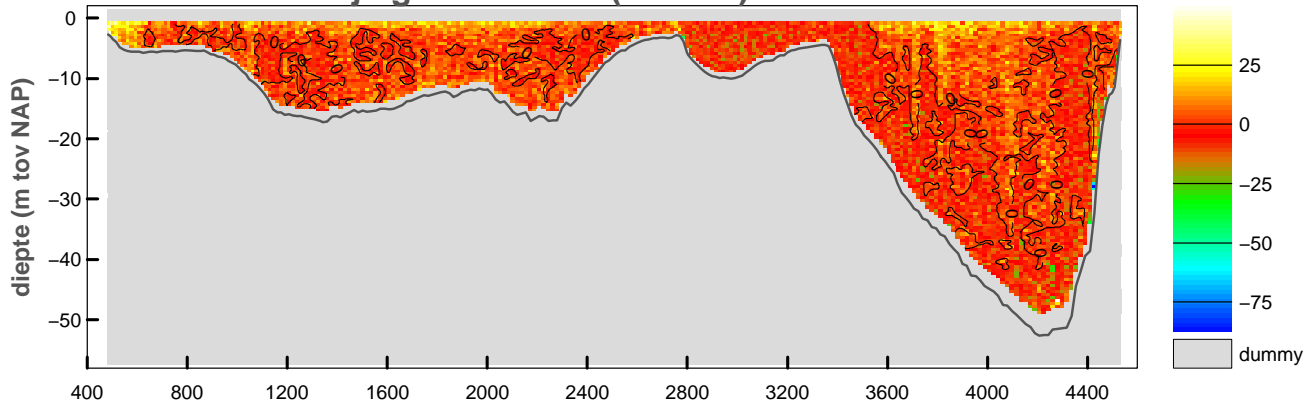
afstand uit nulpunt : 597 m
stroomsnelheid : 65 cm/sec
stroomrichting : 308°

doorstroomoppervlak : -75296 m²
raaidebiet : 8887 m³/sec

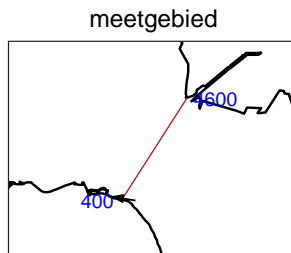
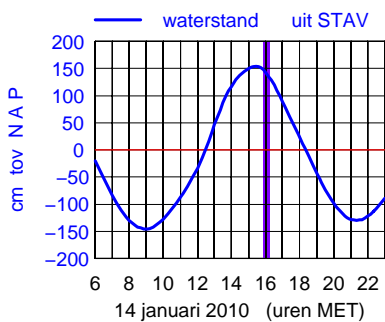
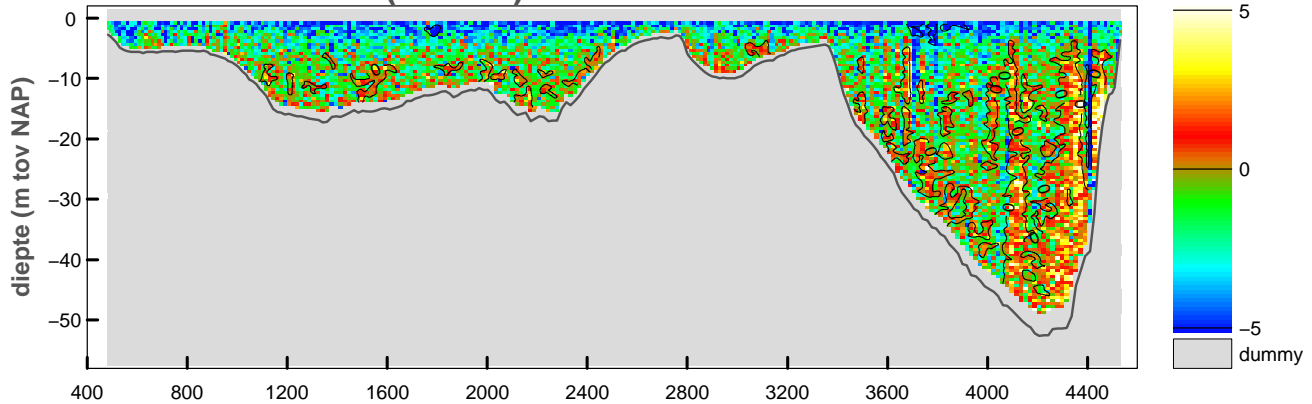
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

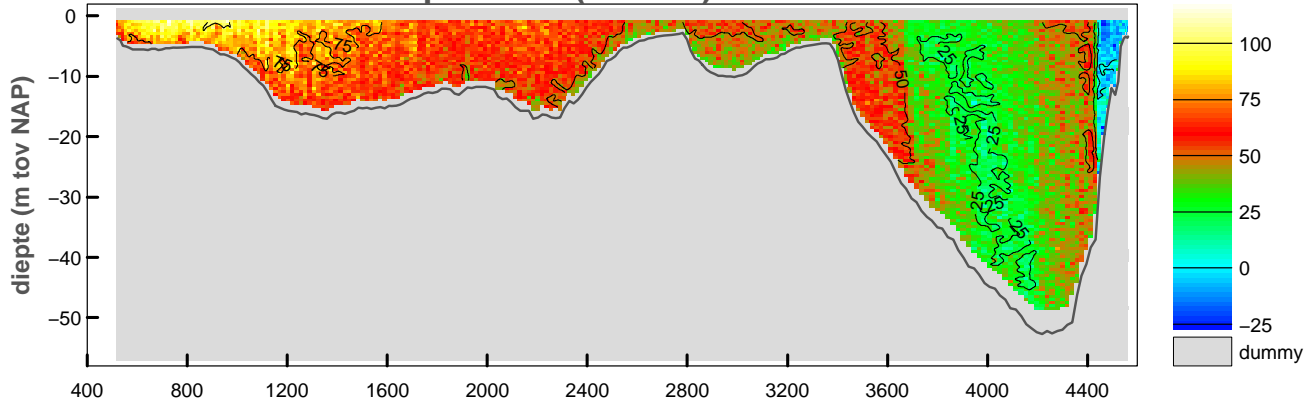


maximum gemiddelde stroom-
 snelheid in de verticale

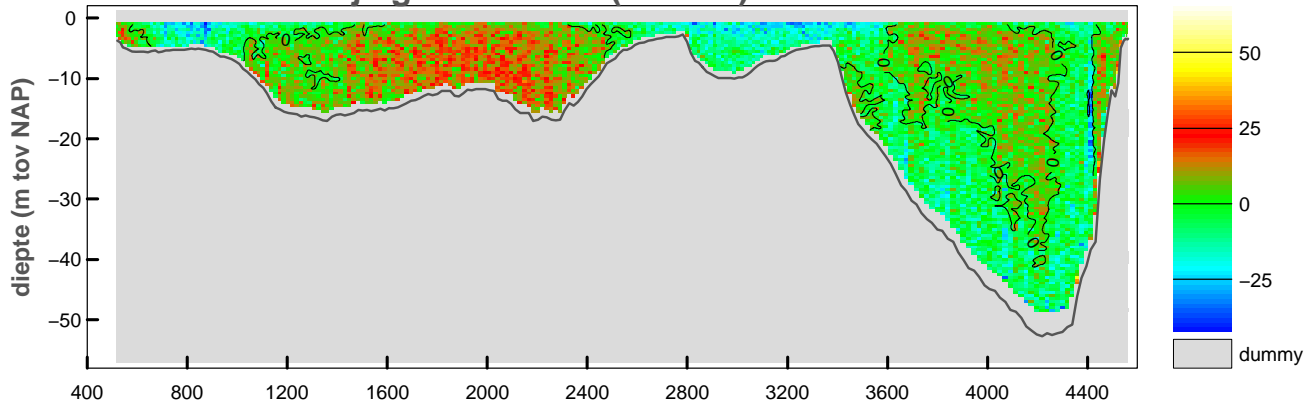
afstand uit nulpunt : 516 m
 stroomsnelheid : 72 cm/sec
 stroomrichting : 279°

doorstroomoppervlak : -74979 m²
 raaidebiet : 25183 m³/sec

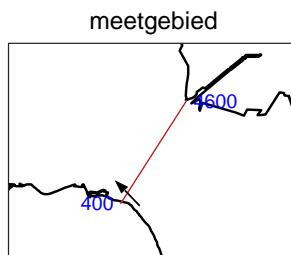
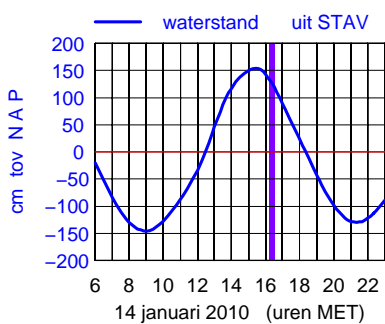
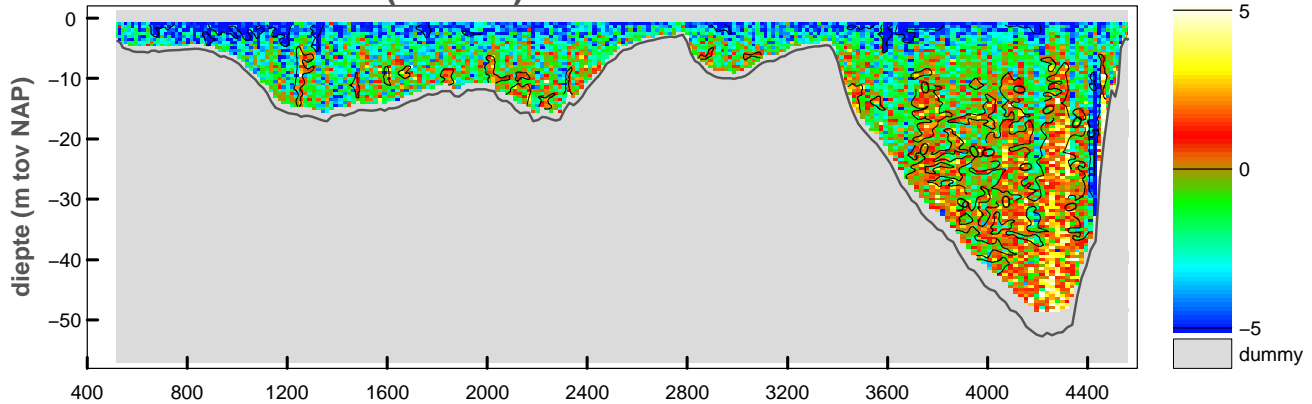
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

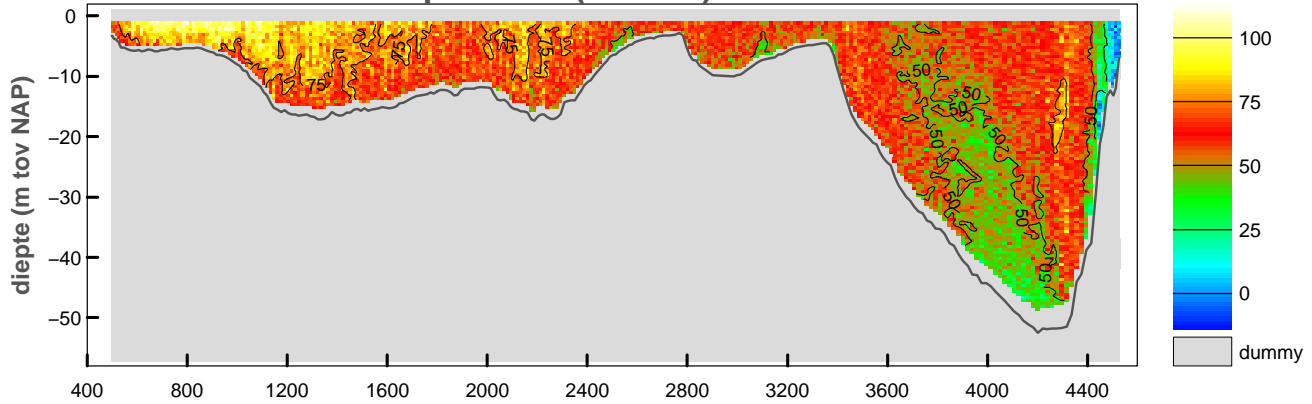


maximum gemiddelde stroom-
 snelheid in de vertikaal

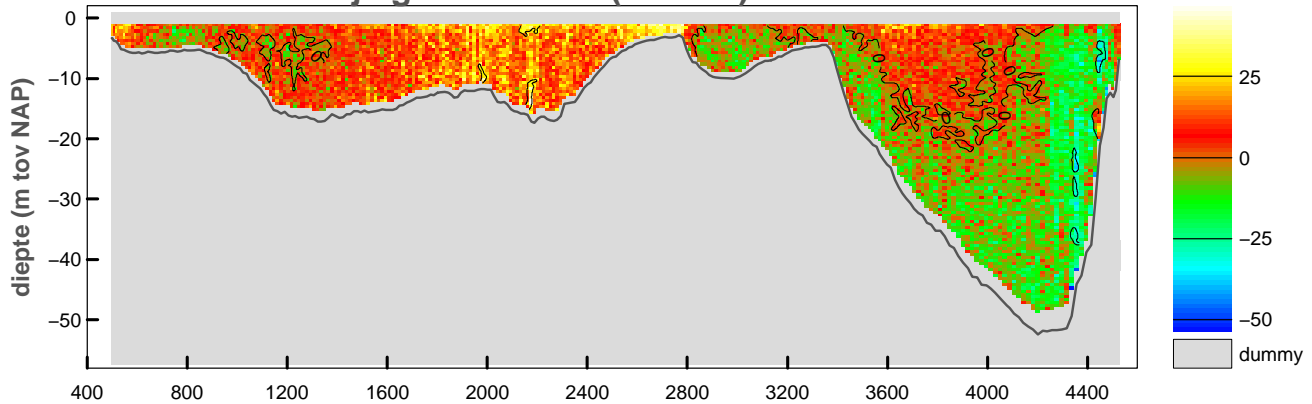
afstand uit nulpunt : 817 m
 stroomsnelheid : 99 cm/sec
 stroomrichting : 316°

doorstroomoppervlak : -74238 m²
 raaidebiet : 35286 m³/sec

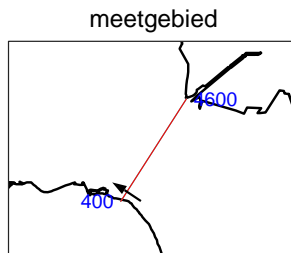
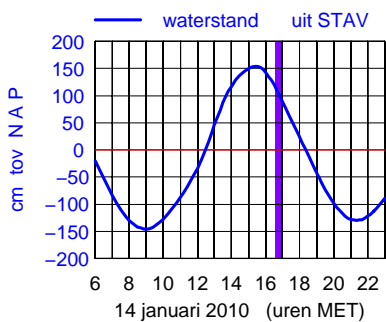
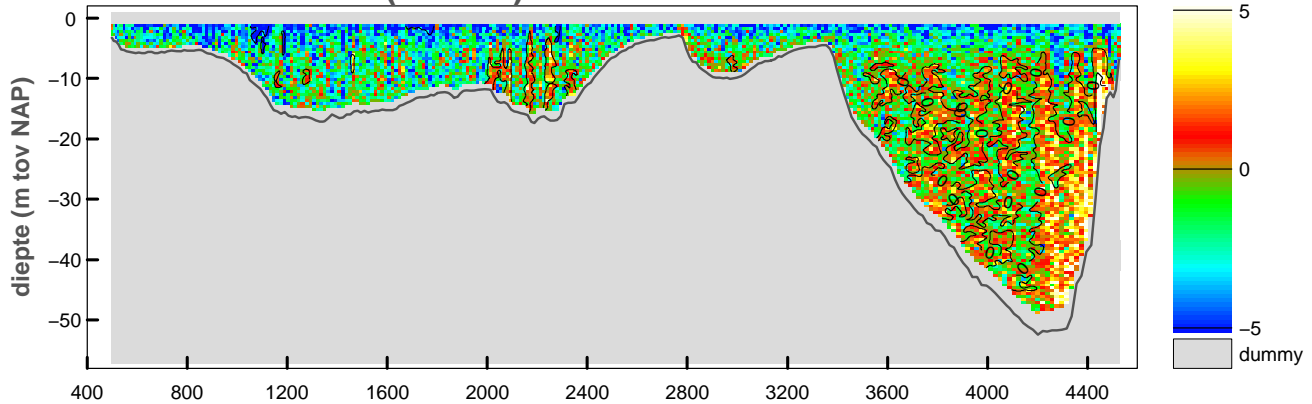
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticaleal

afstand uit nulpunt : 788 m

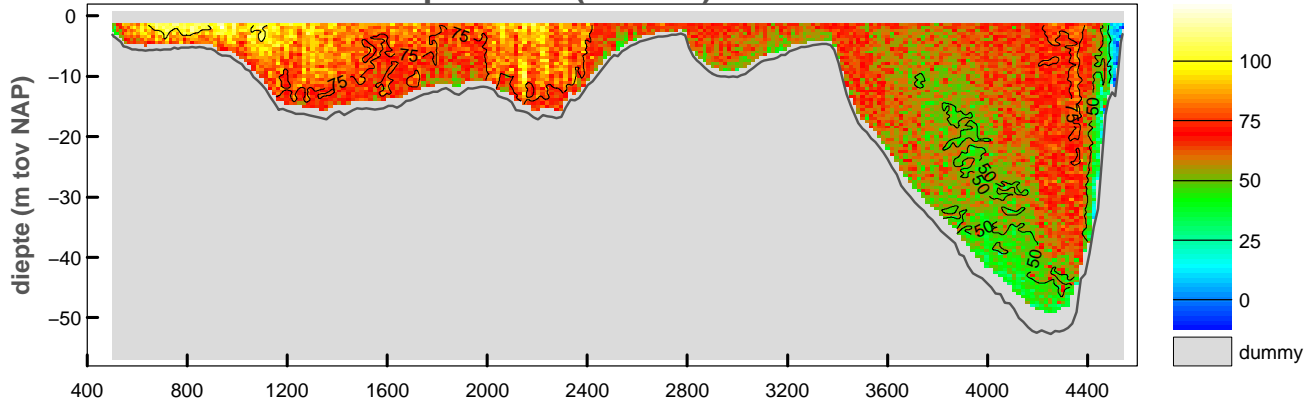
stroomsnelheid : 95 cm/sec

stroomrichting : 303°

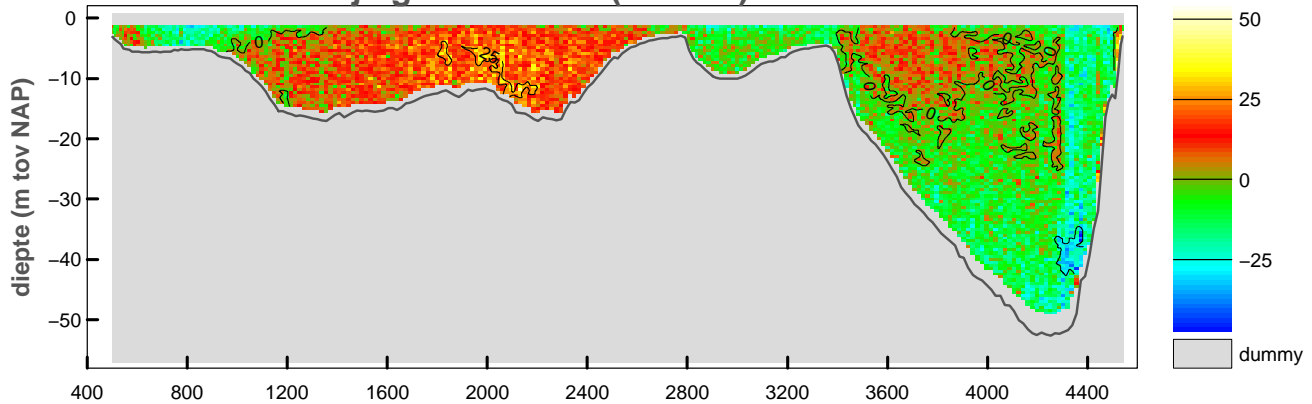
doorstroomoppervlak : -73566 m²

raaidebiet : 44318 m³/sec

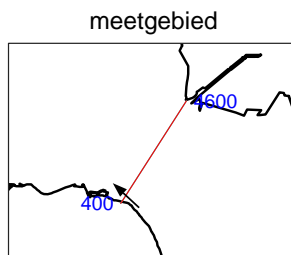
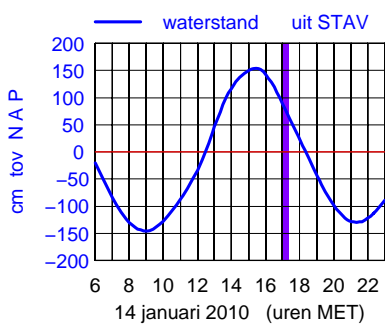
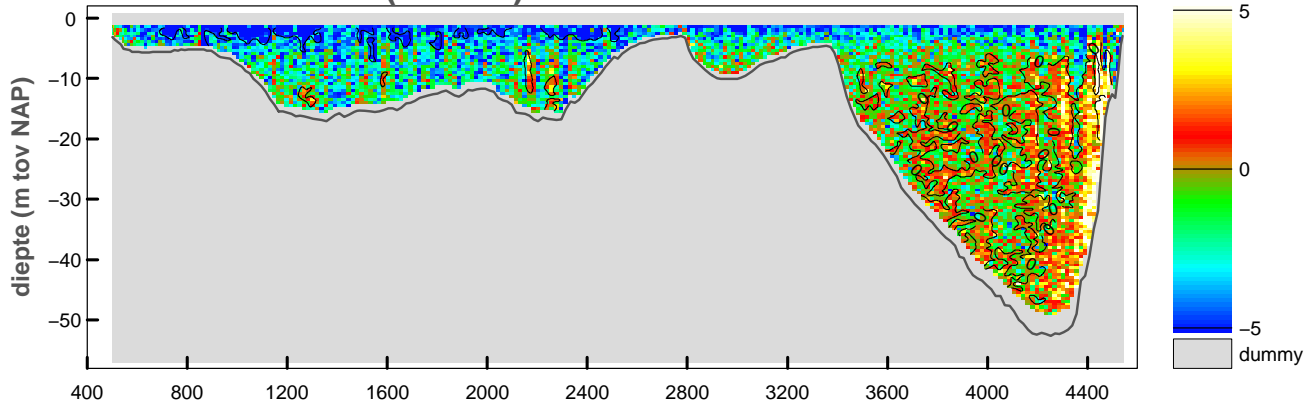
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticaleal

afstand uit nulpunt : 720 m

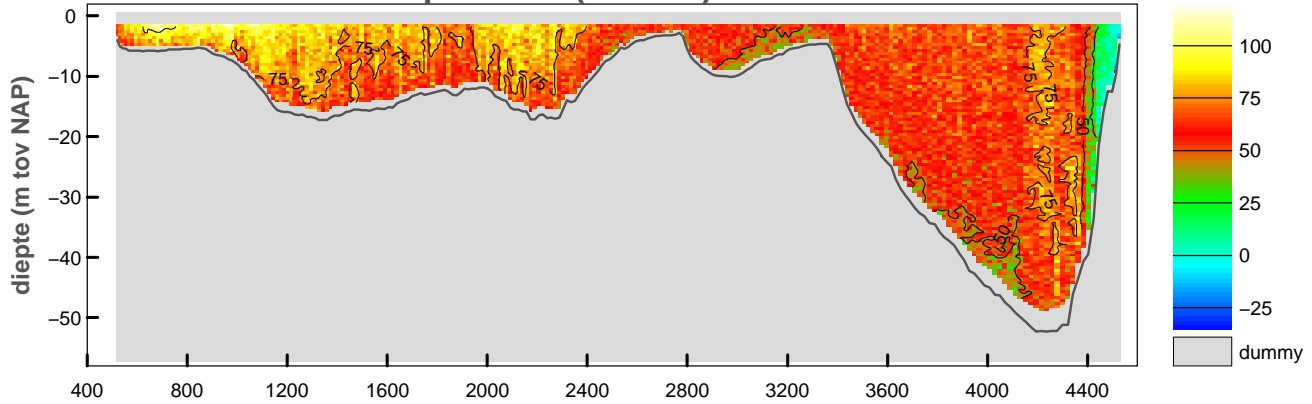
stroomsnelheid : 100 cm/sec

stroomrichting : 314°

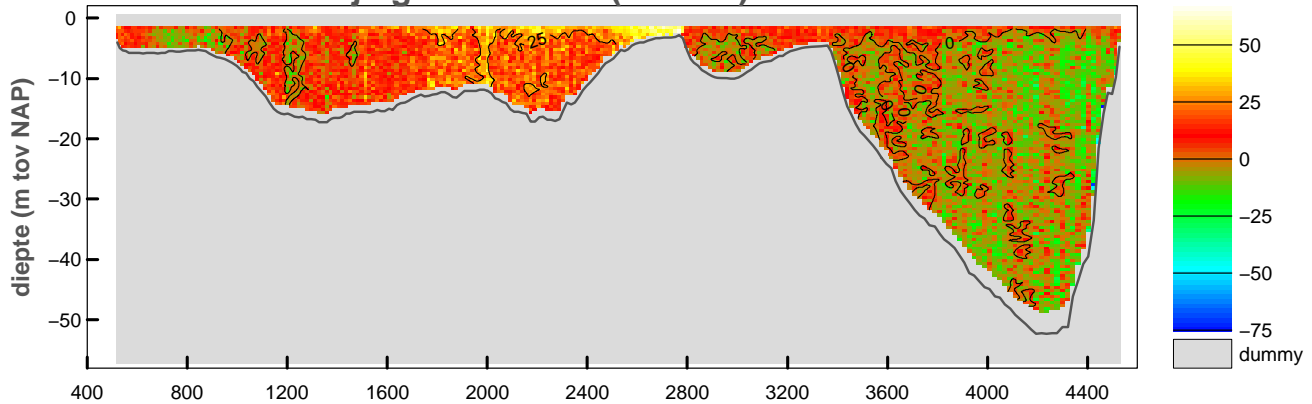
doorstroomoppervlak : -72630 m²

raaidebiet : 46407 m³/sec

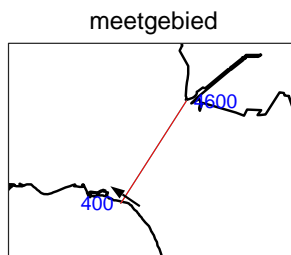
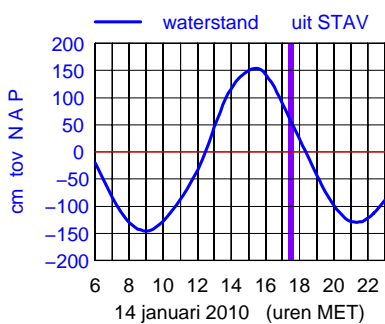
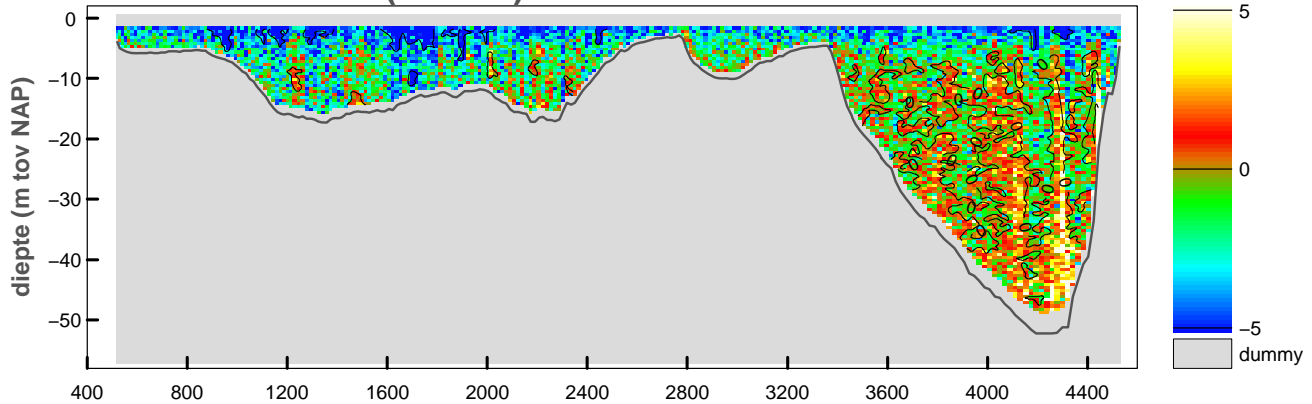
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

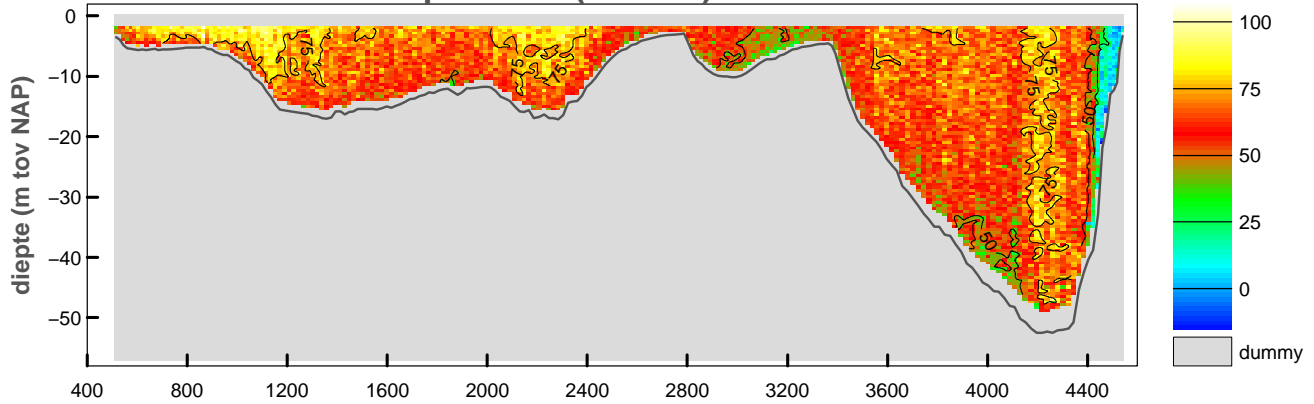


maximum gemiddelde stroom-
 snelheid in de vertikaal

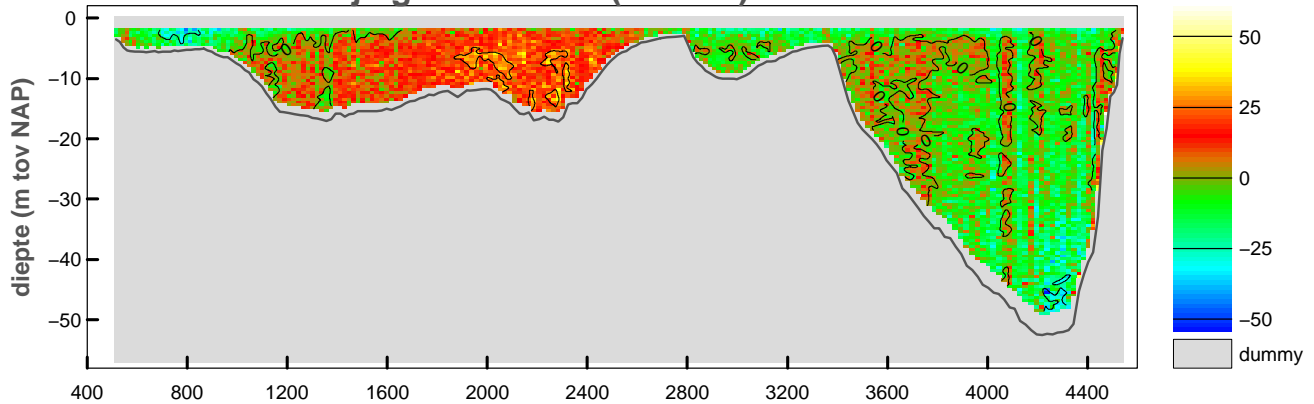
afstand uit nulpunt : 682 m
 stroomsnelheid : 98 cm/sec
 stroomrichting : 304°

doorstroomoppervlak : -71540 m²
 raaidebiet : 45649 m³/sec

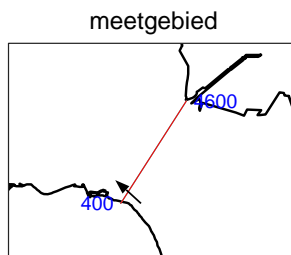
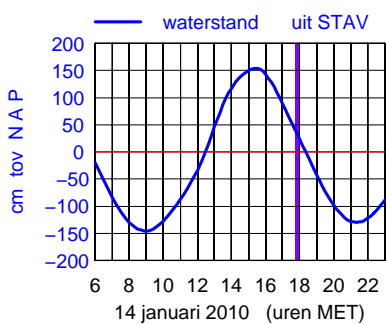
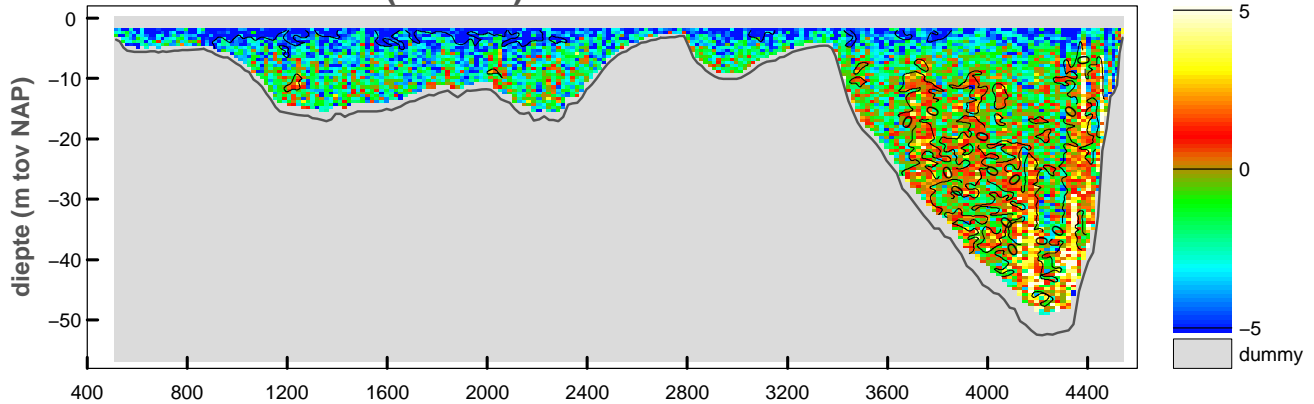
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticaleal

afstand uit nulpunt : 866 m

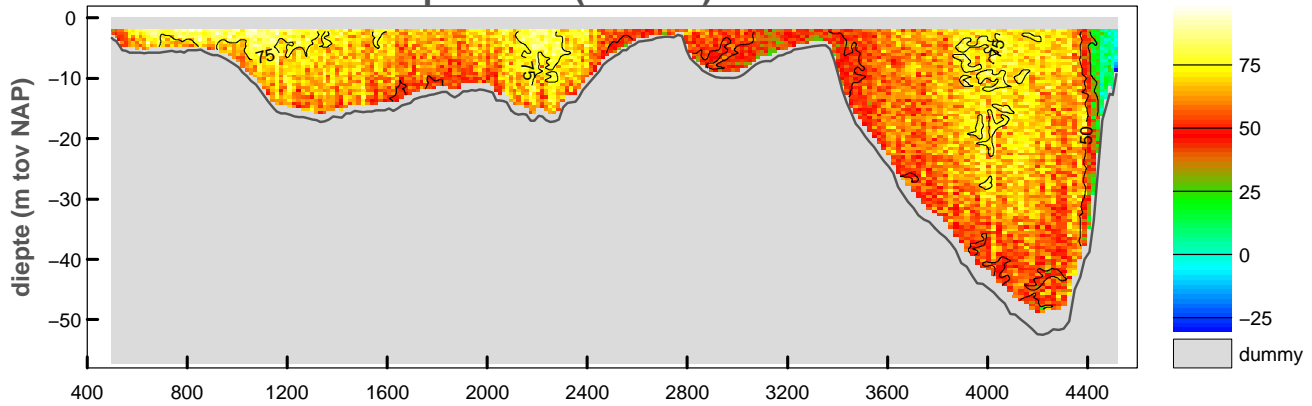
stroomsnelheid : 95 cm/sec

stroomrichting : 312°

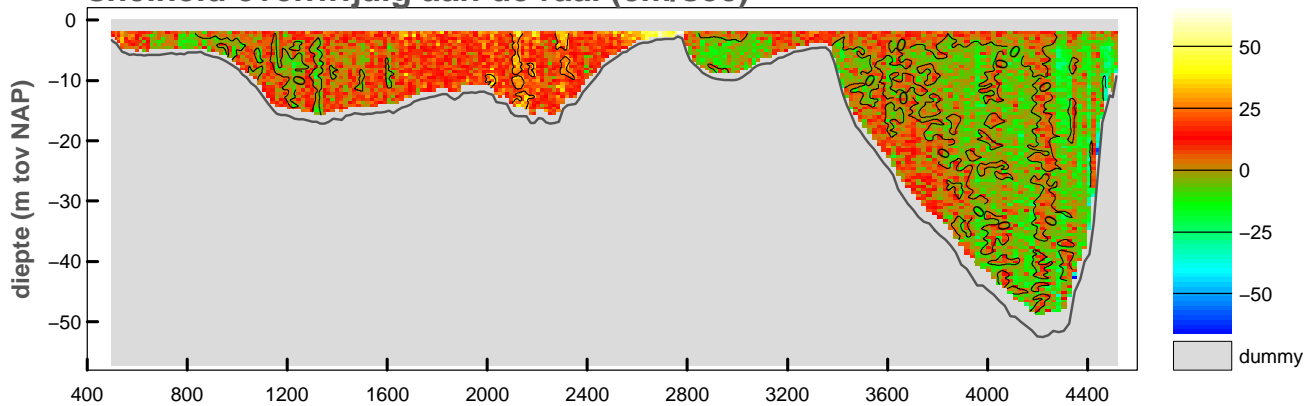
doorstroomoppervlak : -70688 m²

raaidebiet : 44185 m³/sec

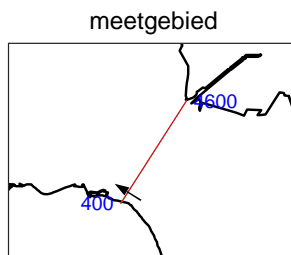
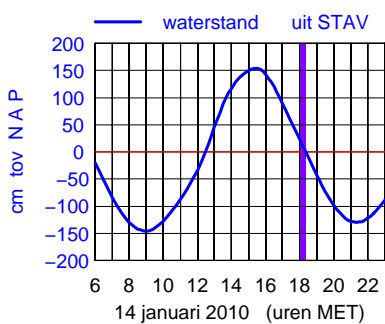
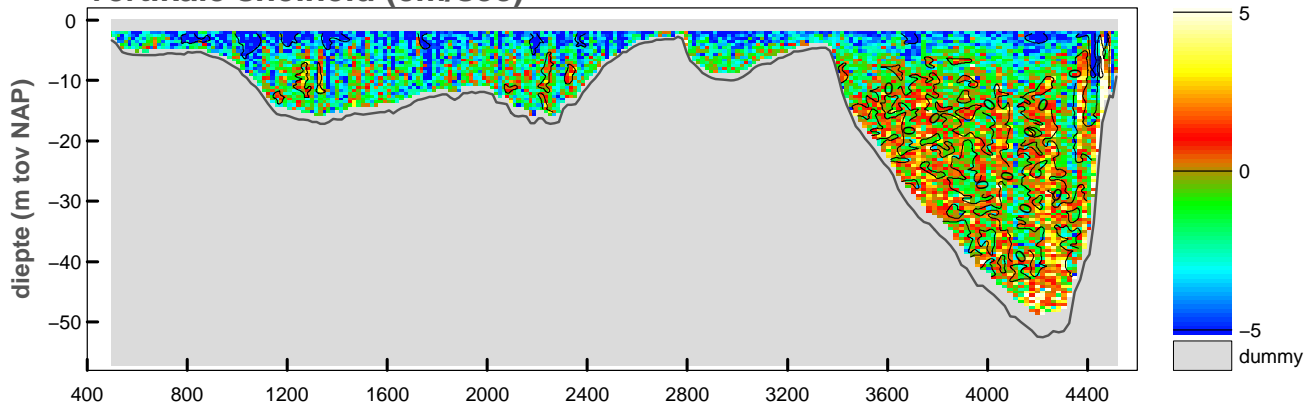
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
snelheid in de verticale

afstand uit nulpunt : 854 m

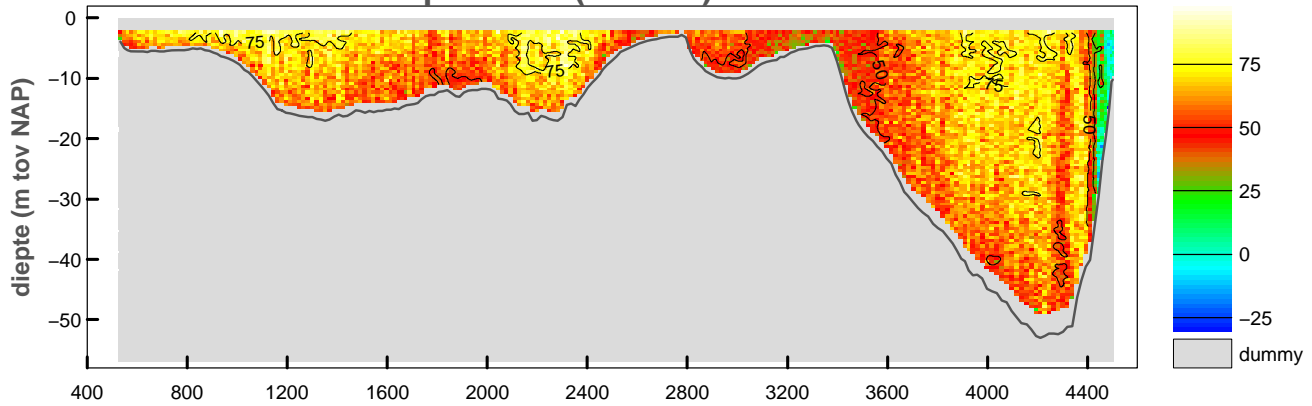
stroomsnelheid : 85 cm/sec

stroomrichting : 302°

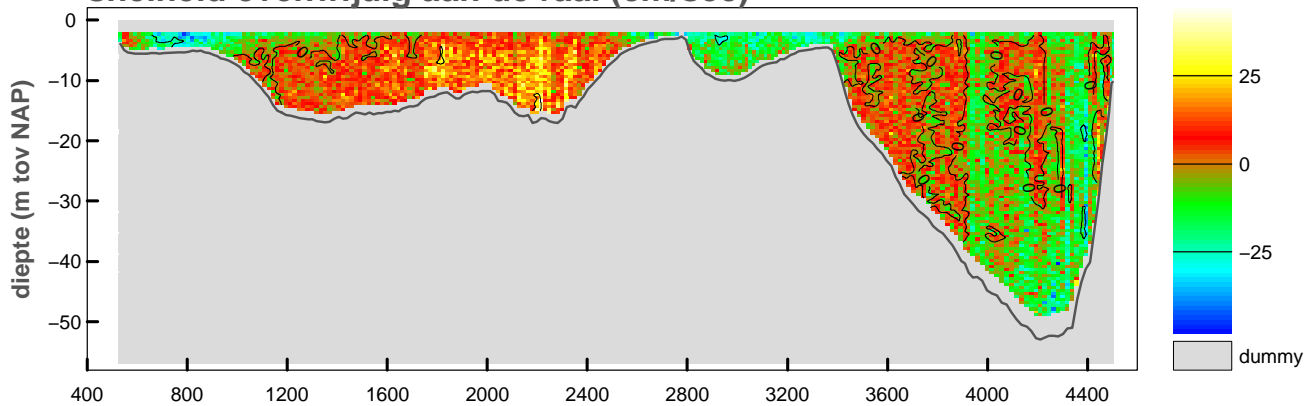
doorstroomoppervlak : -69880 m²

raaidebiet : 41959 m³/sec

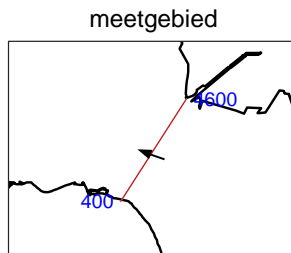
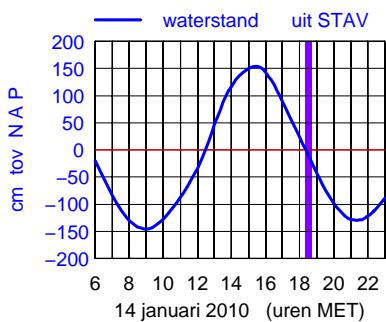
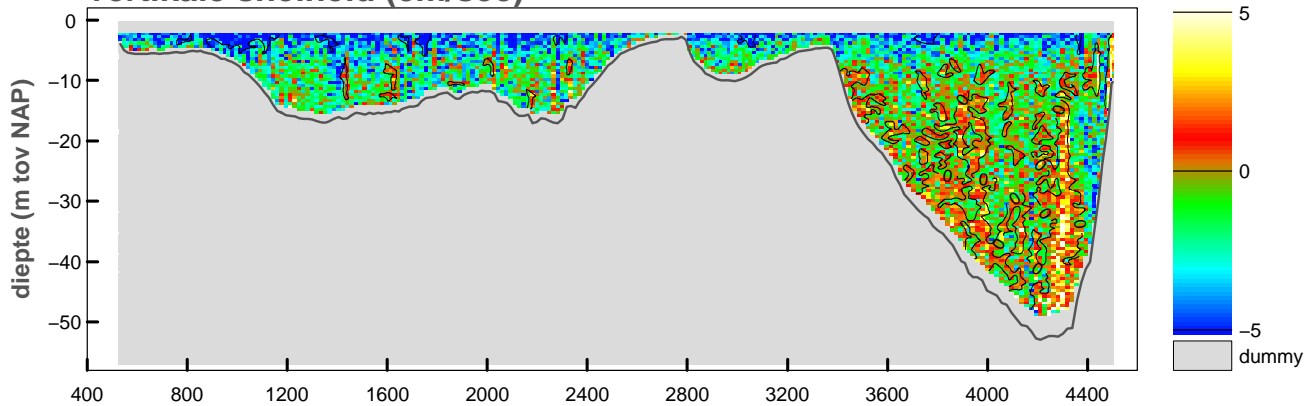
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 2318 m

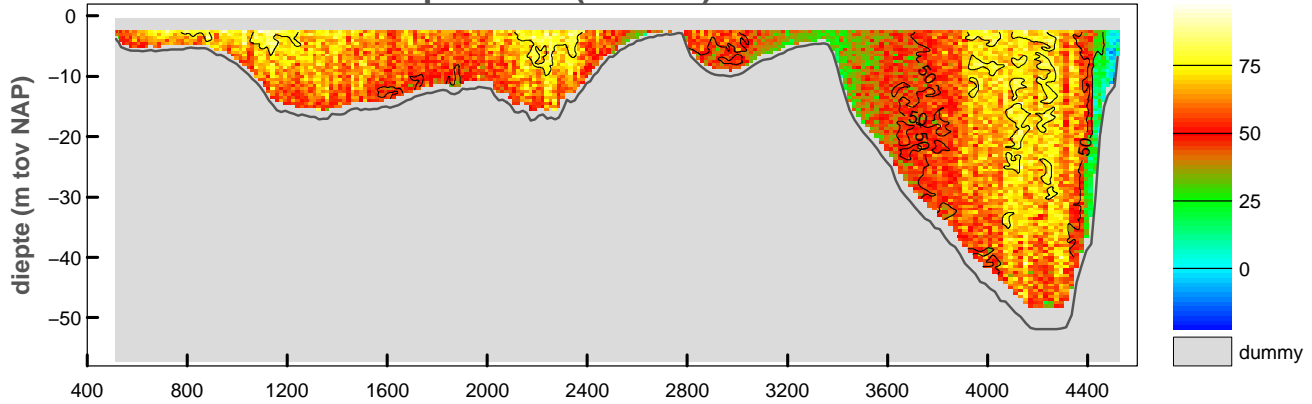
stroomsnelheid : 81 cm/sec

stroomrichting : 291°

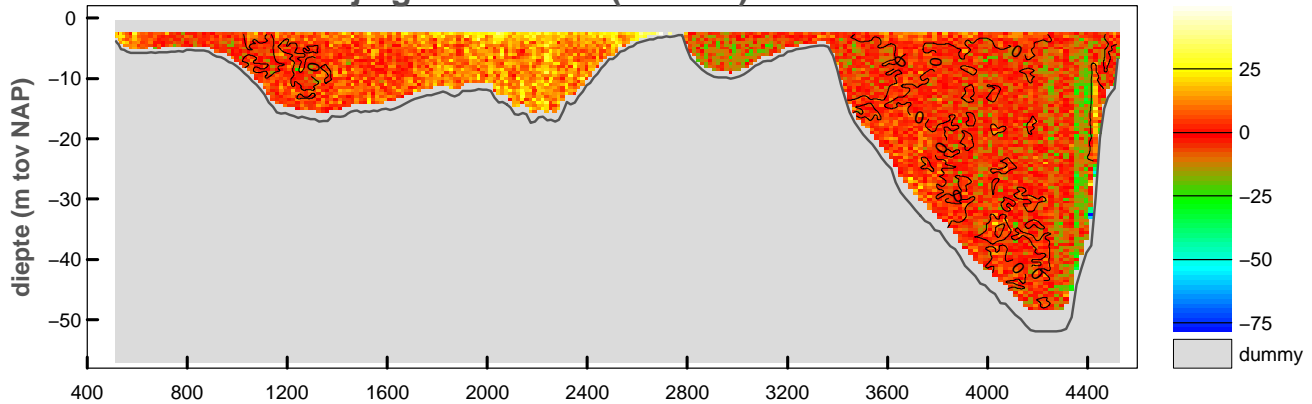
doorstroomoppervlak : -68537 m²

raaidebiet : 40975 m³/sec

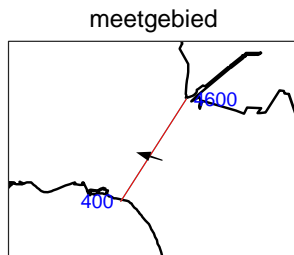
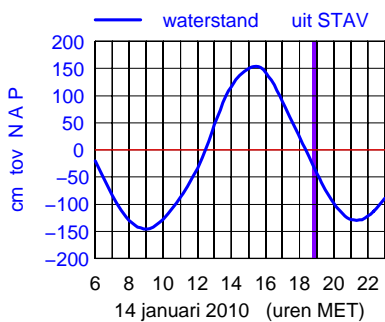
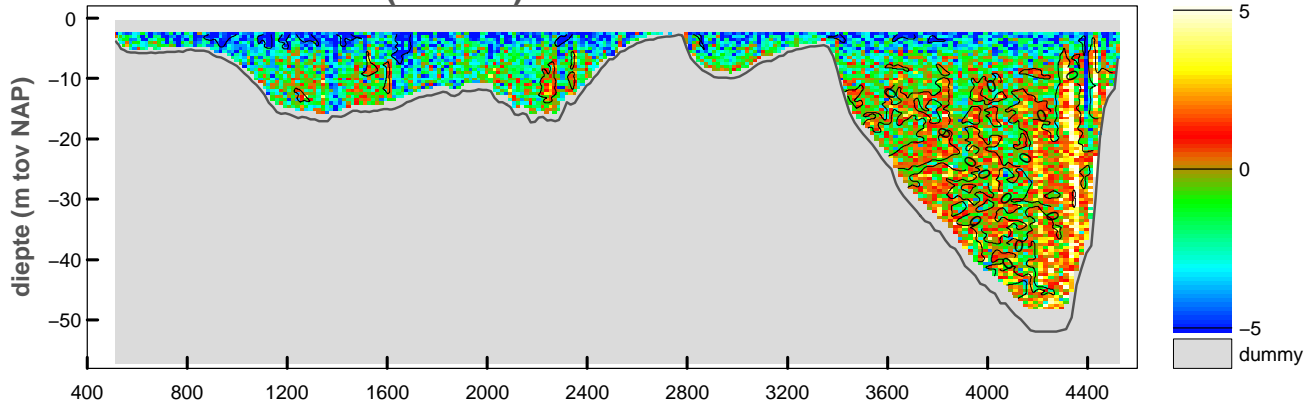
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)

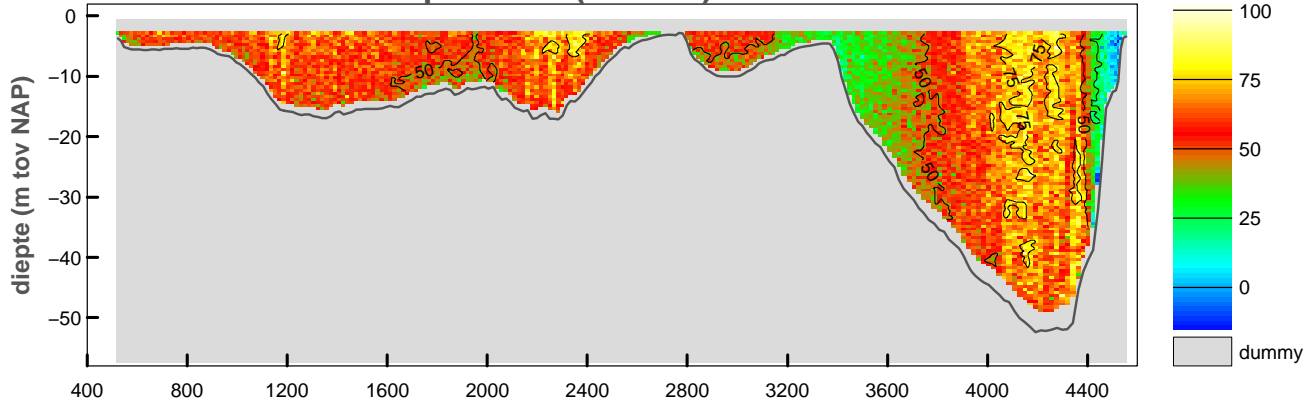


maximum gemiddelde stroom-
 snelheid in de vertikaal

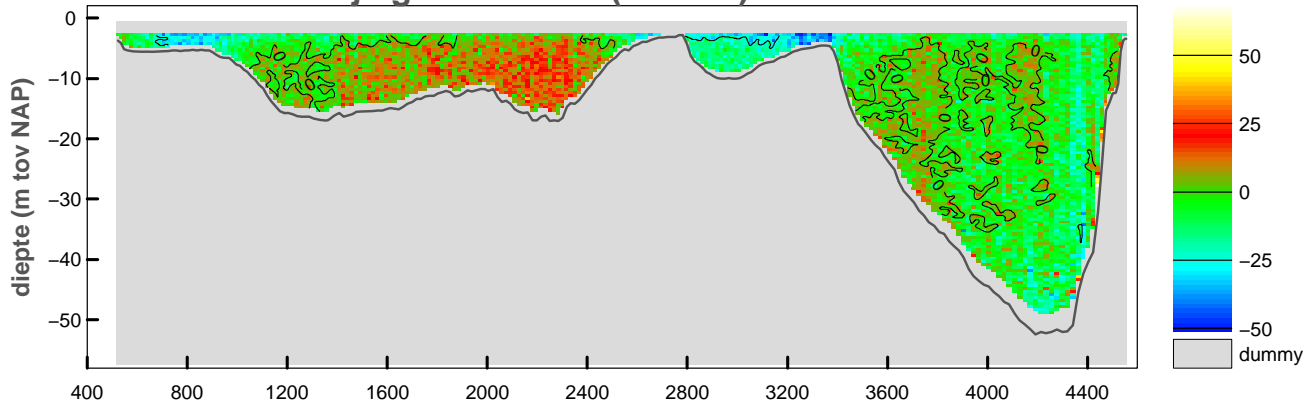
afstand uit nulpunt : 2239 m
 stroomsnelheid : 76 cm/sec
 stroomrichting : 288°

doorstroomoppervlak : -67952 m²
 raaidebiet : 38505 m³/sec

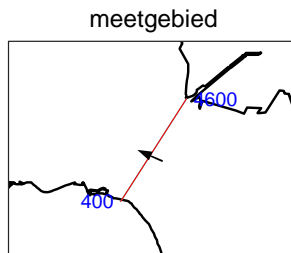
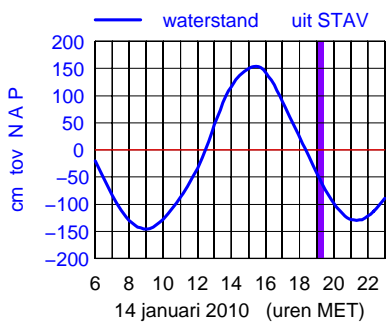
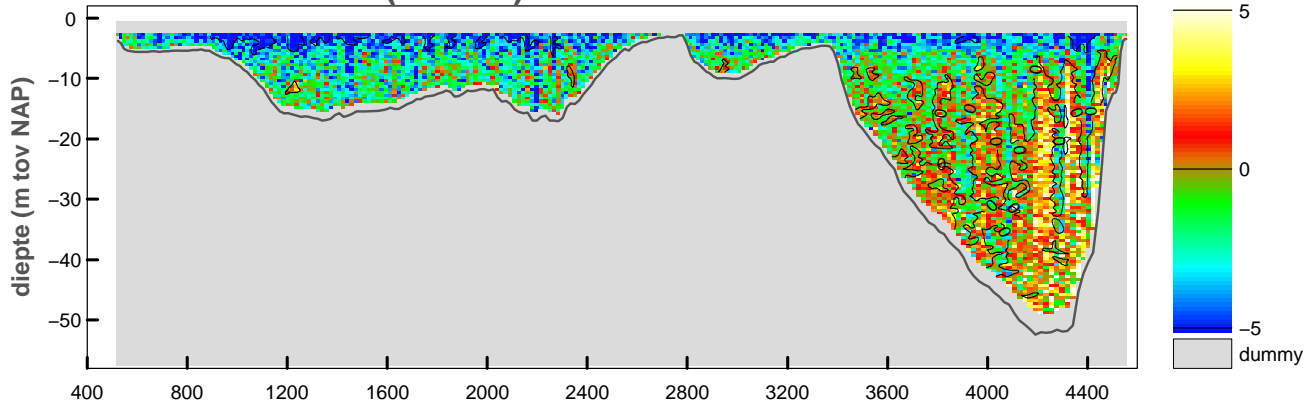
snelheid loodrecht op de raai (cm/sec)



snelheid evenwijdig aan de raai (cm/sec)



vertikale snelheid (cm/sec)



maximum gemiddelde stroom-
 snelheid in de vertikaal

afstand uit nulpunt : 2267 m

stroomsnelheid : 76 cm/sec

stroomrichting : 294°

doorstroomoppervlak : -67155 m²

raaidebiet : 37278 m³/sec

Bijlage 7

Profiel

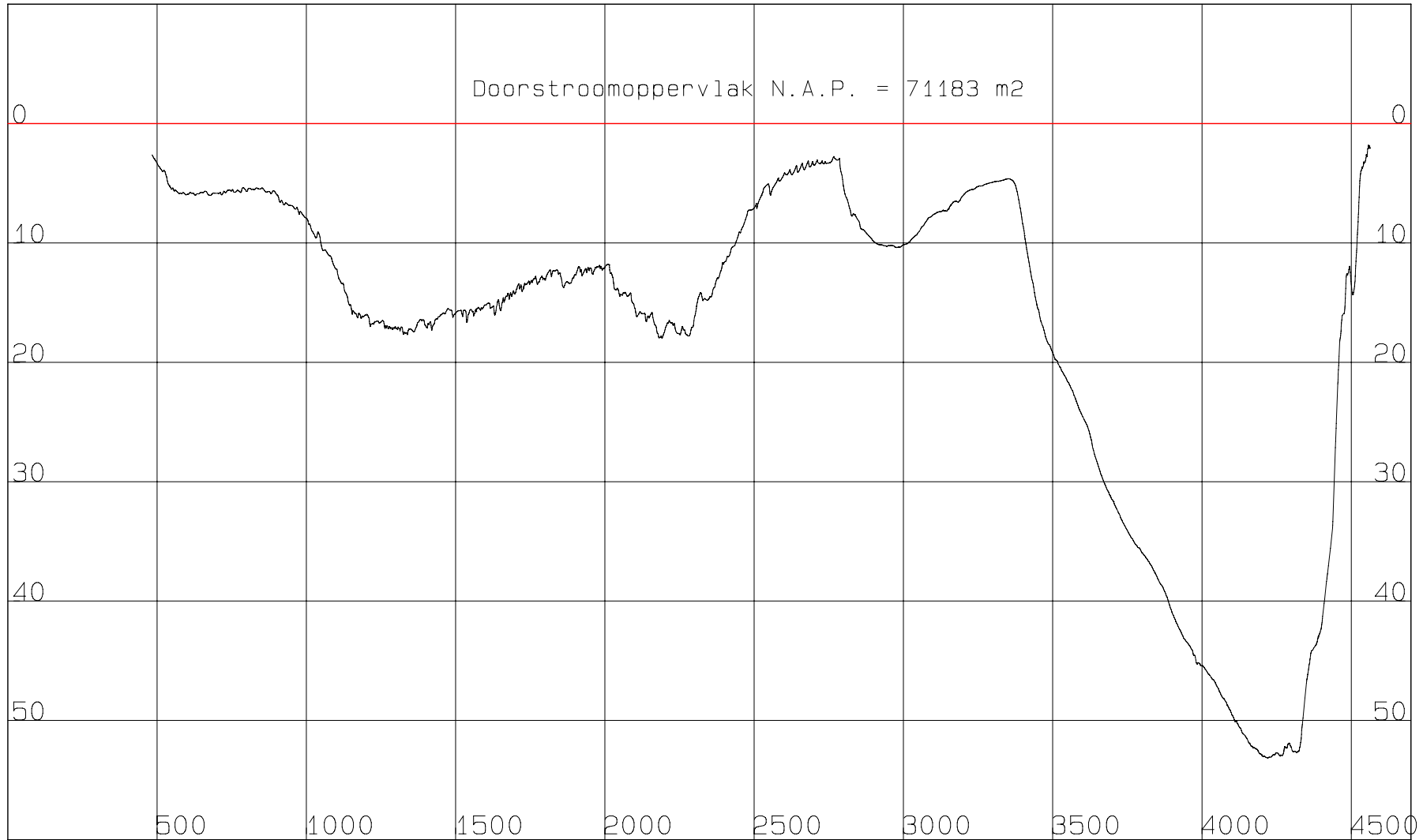
Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Z570000.250

— = POINTS_1001
— = THEOR_PROF



Rijkswaterstaat Zeeland

Meetadviesdienst

Oosterschelde
Debletraal IIIb

code	2202m1001	get.	WM
schaal	20000/500	gez.	-
opn.periode	14-1-2010	akk.	WM
kaartnummer	Z570000.250		

Bijlage 8

Debiet

Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002

Debietraai III Oosterschelde dd 14 januari 2010

tijd : 0641 – 1915

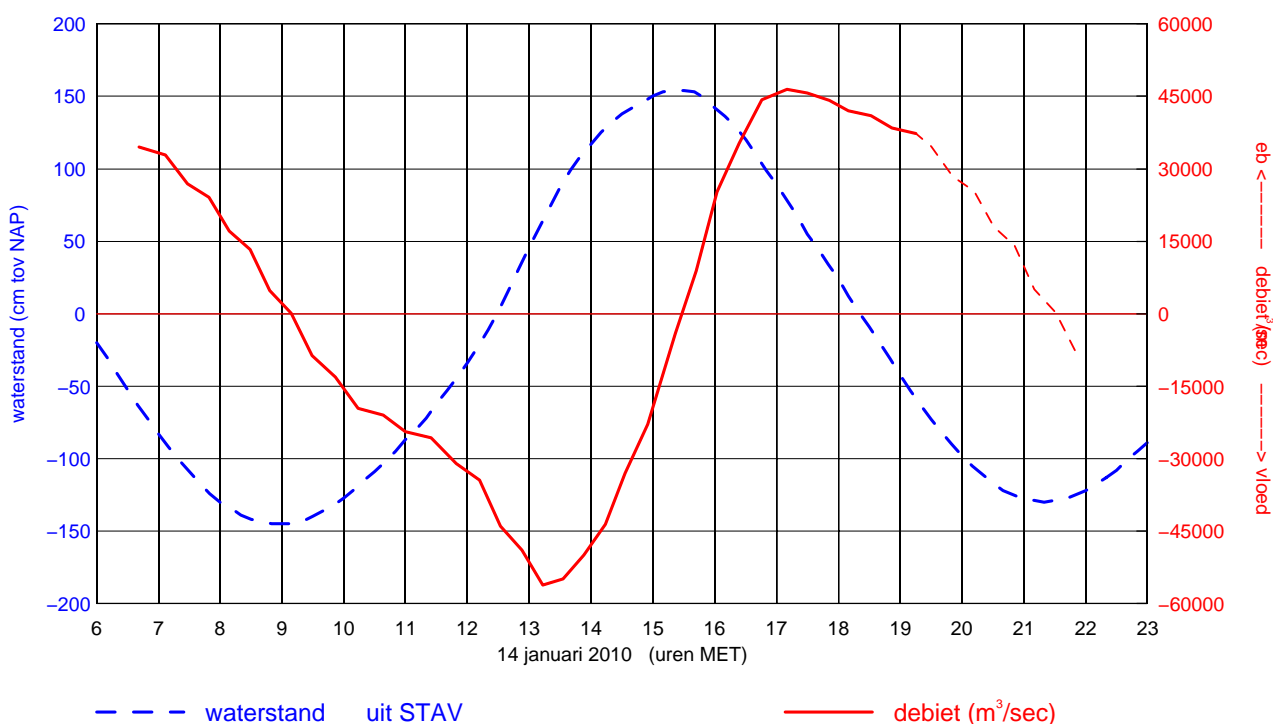
lokatiennaam :GVOS

soort/fase :Q3O2

omschrijving:debiet in m³/sec

	00	10	20	30	40	50
06						33970
07	33300	31982	29149	26613	25264	23703
08	20231	16914	14994	12821	8360	4349
09	2140	-286	-4678	-8823	-10751	-12680
10	-15447	-18425	-19963	-20540	-21317	-22889
11	-24460	-24931	-25402	-26752	-28983	-31138
12	-32623	-34108	-38238	-43029	-45893	-48276
13	-51494	-55071	-55718	-55110	-53195	-50719
14	-47842	-44793	-40265	-34752	-29852	-25215
15	-19423	-12475	-5528	1072	7585	15406
16	23554	28857	33449	37749	41855	44666
17	45537	46407	46029	45650	44952	44255
18	43131	41959	41512	41065	39988	38752
19	38079	37545	36401	34646	31656	28666
20	27087	25664	22293	18436	16228	14203
21	9763	5055	2725	394	-3591	-7760

datum	tijd	ebvolume (m ³)	vloedvolume (m ³)
20100114	0641 – 0909	178 608 608	
20100114	0909 – 1528		- 684 904 832
20100114	1528 – 2131	661 560 704	



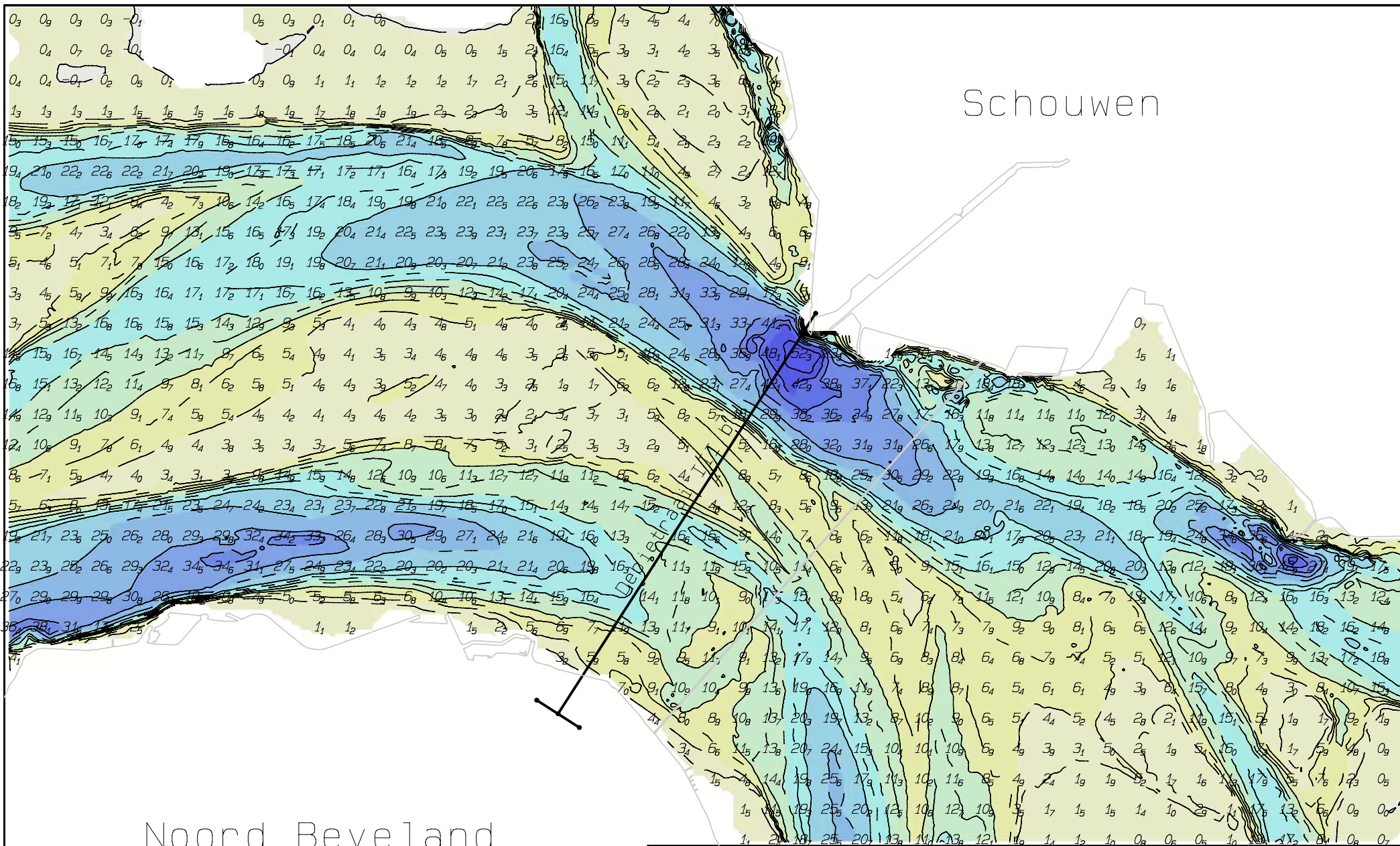
Bijlage 9


Presentatie meetgebied

Debietraai IIIb Oosterschelde

2202m1001

Notitie: ZLMD-10.N.002



 Rijkswaterstaat Zeeland Meetadviesdienst	code	2202m1001	get.	WM
	schaal	50000	gez.	-
Oosterschelde Situatie Debietraal IIIb	opn.meting	14-1-2010	akk.	WM
	opn. loding	2007		