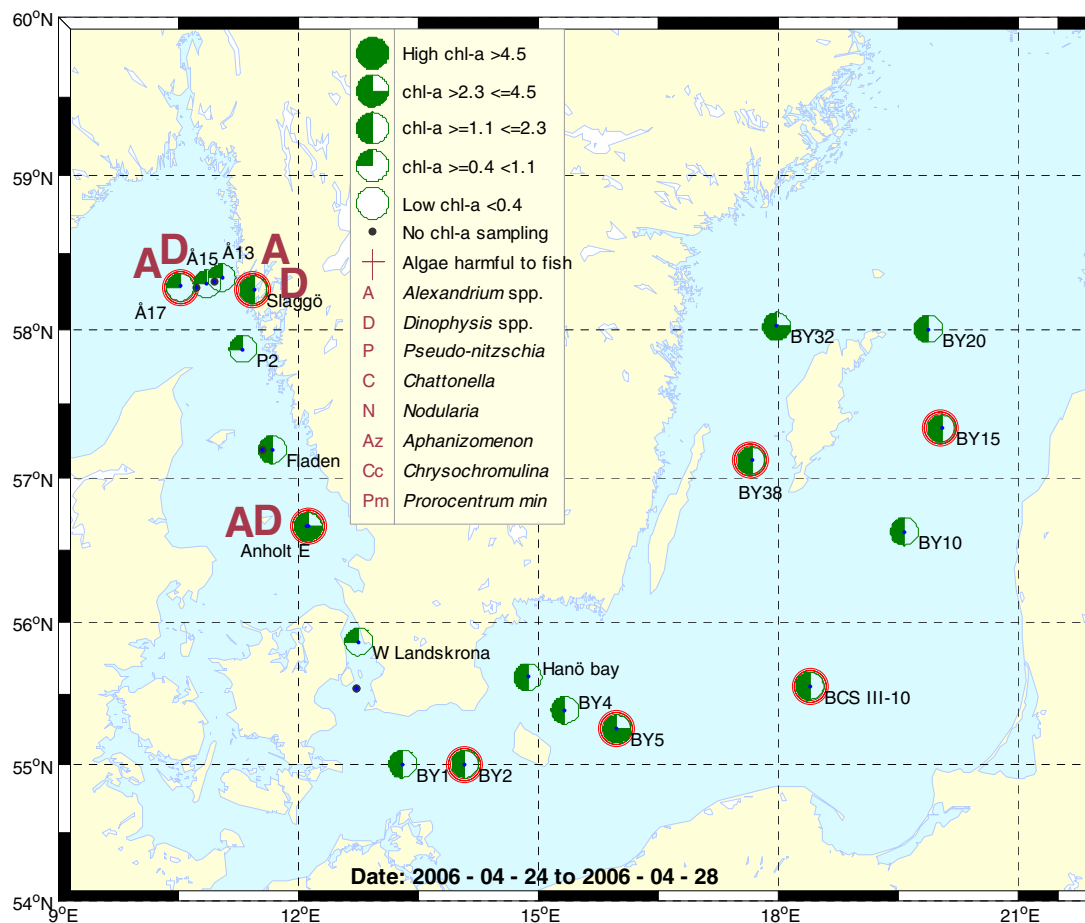


I öppna **Skagerrak** fanns ganska rikligt med diatoméer framför allt av släktet *Chaetoceros*. Dinoflagellaten *Peridiniella danica* dominerade. Det fanns också små mängder av *Alexandrium tamarense**, *Dinophysis acuminata**, *D. norvegica** och *D. rotundata**. I **Skagerraks** kustområde blomnade *Skeletonema costatum* och det fanns små mängder av *Alexandrium tamarense** och *Dinophysis norvegica**. I **Kattegatt** fanns mycket diatoméer och *Peridiniella danica*. *Alexandrium tamarense** och *Dinophysis norvegica** fanns i små mängder.

I **Östersjön** fanns en blandning av diatomé- och dinoflagellatsamhällen. De arter som dominerade var *Peridiniella catenata*, *Scrippsiella hangoei* och *Mesodinium rubrum*



In the open **Skagerrak** there were lots of diatoms, with the genus *Chaetoceros* as the most common. Among dinoflagellates *Peridiniella danica* dominated. There was also *Alexandrium tamarense**, *Dinophysis acuminata**, *D. norvegica** och *D. rotundata**. In the coastal area of **Skagerrak** *Skeletonema costatum* bloomed and there was also some *Alexandrium tamarense** and *Dinophysis norvegica**. In the **Kattegat** diatoms were common together with *Peridiniella danica*. *Alexandrium tamarense** and *Dinophysis norvegica** were present in small amounts.

In the **Baltic** there was a mixture of diatom- and dinoflagellate communities. The dominating species were *Peridiniella catenata*, *Scrippsiella hangoei* and *Mesodinium rubrum*.

Kartan visar viktat medelvärde för klorofyll a, µg/l (0 till 20 m) vid de olika stationerna. Förekomst av skadliga alger vid stationer där arter analyseras markeras med symbol. DSP = Diarréframkallande skaldjursförgiftning, PSP=Paralyserande skaldjurs förgiftning, ASP=Amnesisk skaldjursförgiftning.

The map shows weighted mean of Chlorophyll a, µg/l (0-20 m) at sampling stations. Presence of harmful algae at stations where species analysis is performed is shown with a symbol. DSP = Diarrhetic Shellfish Poisoning, PSP=Paralytic Shellfish Poisoning, ASP=Amnesic Shellfish Poisoning.

DETAILS

Based on quantitative samples 0-10 m depth and net samples *POTENTIALLY HARMFUL SPECIES

SKAGERRAK

Å17 24 April

Although the spring bloom was past there was still a rich diatom community, dominated by *Chaetoceros debilis* and *Leptocylindrus danicus*. Heterotrophic dinoflagellates, especially *Peridiniella danica*, were common. Small numbers of *Alexandrium tamarense**, *Dinophysis acuminata*, *D. norvegica** and *D. rotundata** were present. Several *Ceratium* species were also present. *Dinobryon balticum*, characterizing the April-May plankton flora of the Kattegat-Skagerrak area, was very common.

Släggö 24 April

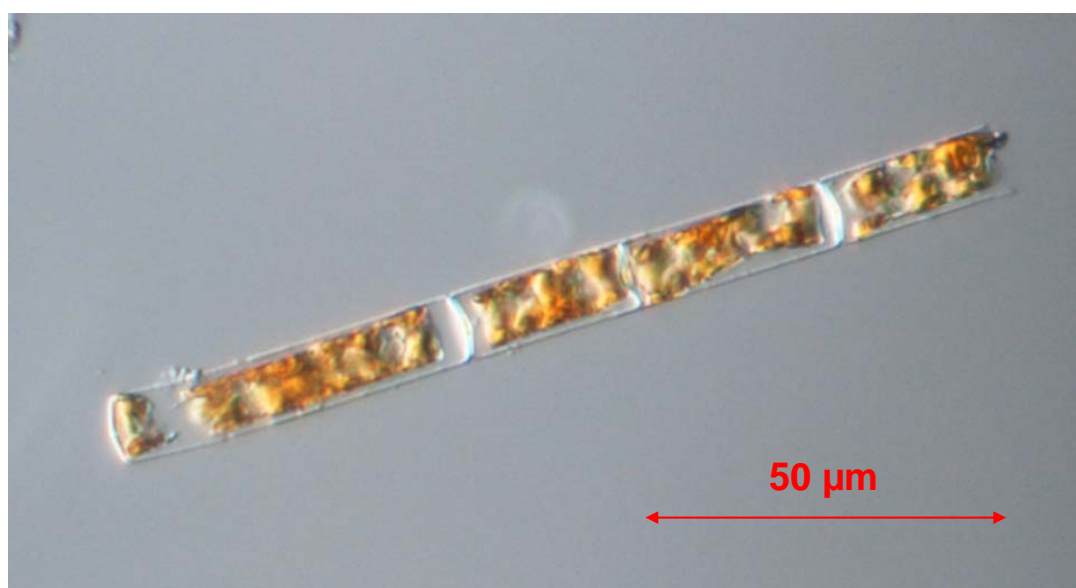
A bloom of *Skeletonema costatum* dominated at this station. Several other diatoms were also present, together with a lot of dinoflagellates. *Peridiniella danica* was the most common dinoflagellate. *Alexandrium tamarense**, *A. ostenfeldii**, *Dinophysis norvegica** and several *Ceratium* species were present. *Dinobryon balticum* was common.

KATTEGAT

Anholt E 25 and 28 April

It seemed as a second spring bloom had developed in this water. Diatoms were very common with high cell densities of *Skeletonema costatum* and *Chaetoceros debilis*. Many more diatoms were present together with a lot of dinoflagellates. Also at this station *Peridiniella danica* dominated. *Pseudo-nitzschia seriata** was present in relatively low amounts.

Four days later the flora was much the same, but *Peridiniella danica* had increased considerably and *Skeletonema costatum* had decreased. Small amounts of *Alexandrium tamarense** were seen.



Leptocylindrus danicus

Selection of observed species		Å17 2006-04-24 cells/L	Släggö 2006-04-24 cells/L	Anholt E 2006-04-25 cells/L	Anholt E 2006-04-28 cells/L
	Recommended limit				
Chaetoceros brevis		present			present
Chaetoceros contortus		present	present		
Chaetoceros debilis		very common	very common	very common	very common
Chaetoceros diadema		common	common	common	common
Chaetoceros laciniosus				common	common
Chaetoceros pseudocrinitus		present	present	present	present
Coscinodiscus concinnus				present	present
Guinardia flaccida				present	
Leptocylindrus danicus		very common		common	very common
Proboscia alata				present	present
<i>Pseudo-nitzschia seriata</i>	1 million cells/liter			present	common
Rhizosolenia hebetata		common		common	common
Skeletonema costatum		common	dominating	very common	very common
Thalassionema nitzschioides		present		present	present
Thalassiosira anguste-liniata				present	present
Thalassiosira nordenskiöldii		present		present	present
<i>Alexandrium ostenfeldii</i>	300 cells/liter		present		
<i>Alexandrium tamarense</i>	300 cells/liter	present	present		present
Ceratium fusus		present			
Ceratium lineatum			present		
Ceratium longipes		present	present	present	present
Ceratium macroceros		present			
Ceratium tripos		present		present	present
<i>Dinophysis acuminata</i>	900 cells/liter	present		present	
<i>Dinophysis norvegica</i>	2000 cells/liter	present	present	present	present
<i>Dinophysis rotundata</i>	900 cells/liter	present			
Gyrodinium spirale		present		present	present
Peridiniella danica		very common	dominating	very common	dominating
Protoperidinium bipes			present		
<i>Protoperidinium crassipes</i>	no recommendation	present	present		
Protoperidinium depressum		present	present	present	present
Protoperidinium granii			present		
Protoperidinium pallidum		present			
Protoperidinium pellucidum		present		present	present
Dinobryon balticum		very common	very common	very common	very common
Eutreptiella spp.				present	present
<i>Chrysochromulina polylepis</i>	no recommendation		common		
<i>Chrysochromulina</i> spp.	no recommendation		common	present	present

BALTIC SEA

Arkona basin BY2 25 April

There were still remains of the spring bloom, with *Skeletonema costatum*, *Chaetoceros holsaticus* and *C. wighamii*. *Mesodinium rubrum* dominated and *Ebria tripartita* were also common. *Aphanizomenon* sp. was present in small amounts.

Bornholm basin BY5 26 April

The plankton flora was similar to that of BY2, but with a clear dominance of *Mesodinium rubrum* and chains of *Peridiniella catenata*.

South East Baltic BCS III-10 26 April

The plankton flora was similar also here, but the dominance of *Mesodinium rubrum* was smaller. *Peridiniella catenata* dominated and the dinoflagellates *Scrippsiella hangoei* and *Protoperidinium bipes* were relatively common.

Eastern Gotland basin BY15 27 April

The spring bloom was still going on with a variety of species. Among diatoms *Achnanthes taeniata* dominated and among the dinoflagellates *Peridiniella catenata* was the most common. *Scrippsiella hangoei* and *Protoperidinium bipes* were present also at this station. *Dinophysis acuminata** was present in low numbers.

Western Gotland basin BY38 27 April

Diatoms were very rare and only *Chaetoceros wighamii* reached high numbers. Dinoflagellates were common with a clear dominance of *Scrippsiella hangoei*, followed by *Peridiniella catenata*. Some cells of *Dinophysis acuminata** and *D. norvegica** were seen. *Mesodinium rubrum* and *Aphanizomenon* sp. were also present.

Selection of observed species	BY2 2006-04-25 cells/L	BY5 2006-04-26 cells/L	BCS III 10 2006-04-26 cells/L	BY15 2006-04-27 cells/L	BY38 2006-04-27 cells/L
<i>Achnanthes taeniata</i>			present	dominating	
<i>Chaetoceros ceratosporus</i>	present	present			
<i>Chaetoceros danicus</i>		present		present	
<i>Chaetoceros holsaticus</i>	common	common	present	common	
<i>Chaetoceros impressus</i>	present	present		present	
<i>Chaetoceros subtilis</i>		present			
<i>Chaetoceros wighamii</i>	common	common	present	common	common
<i>Skeletonema costatum</i>	common				
<i>Thalassiosira baltica</i>		present	present	common	
<i>Dinophysis acuminata</i>				present	present
<i>Dinophysis norvegica</i>					present
<i>Peridiniella catenata</i>		present	dominating	dominating	very common
<i>Protoperidinium bipes</i>			present	present	present
<i>Scrippsiella hangoei</i>			present	present	dominating
<i>Dinobryon balticum</i>				common	common
<i>Ebria tripartita</i>	present				
<i>Aphanizomenon</i> sp.	present	present		present	present
<i>Mesodinium rubrum</i>	very common	dominating	common	common	common

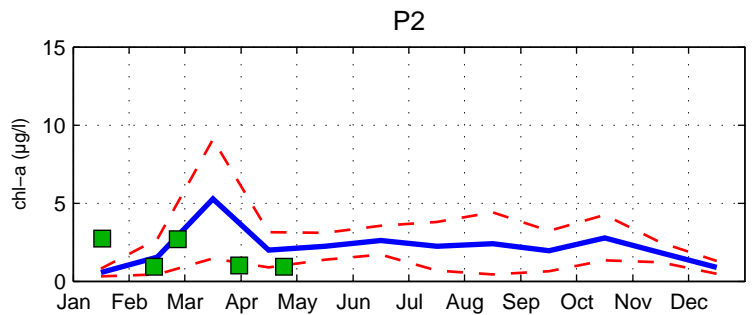
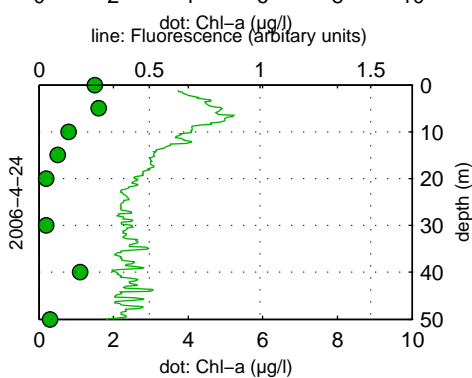
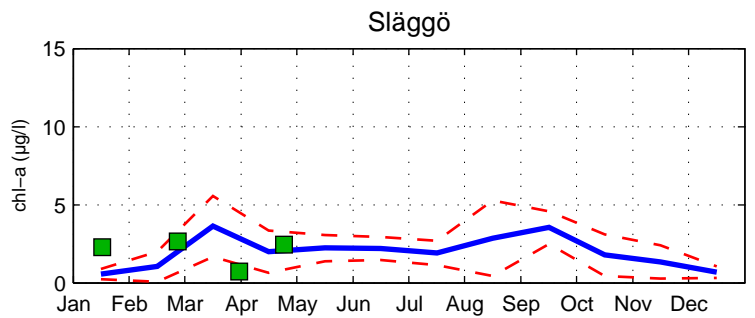
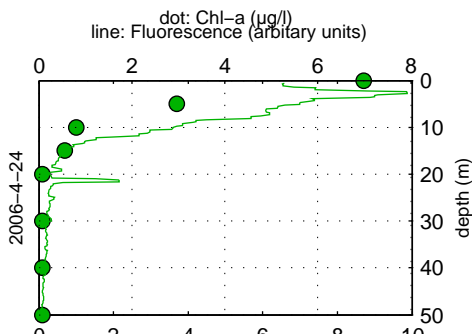
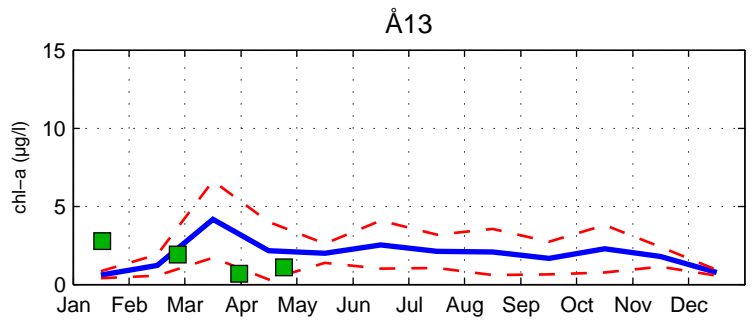
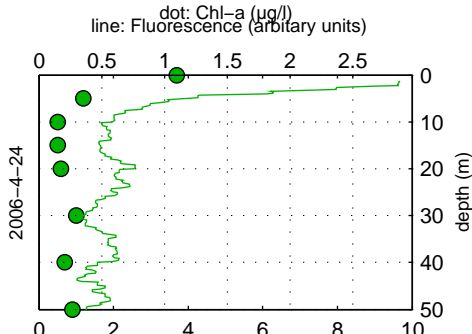
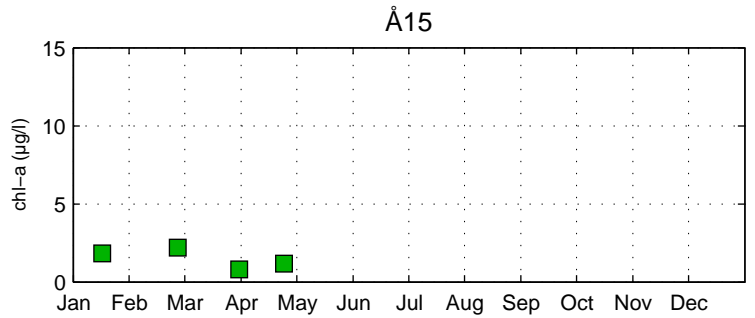
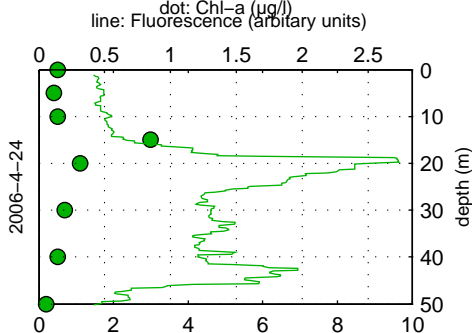
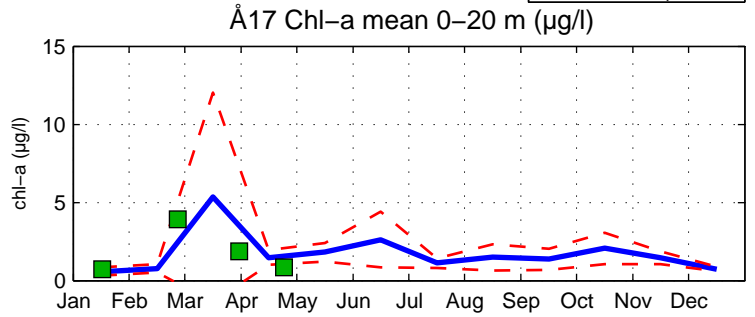
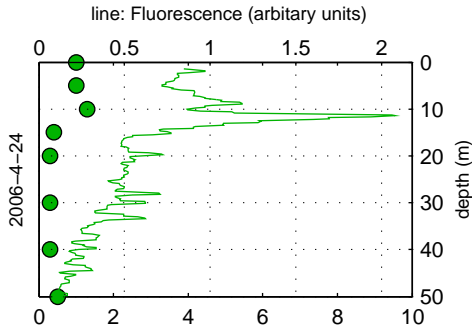
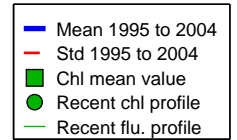
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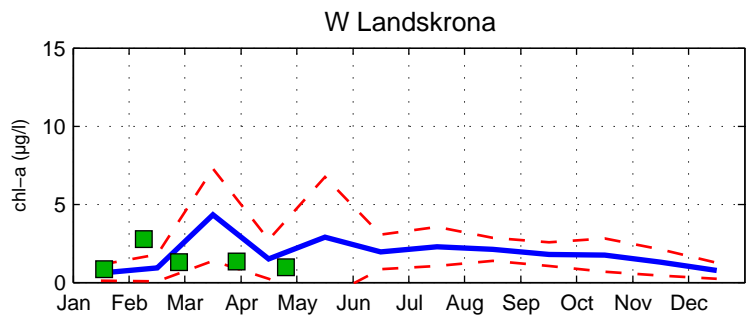
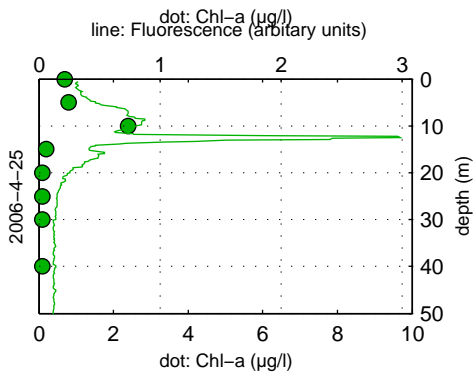
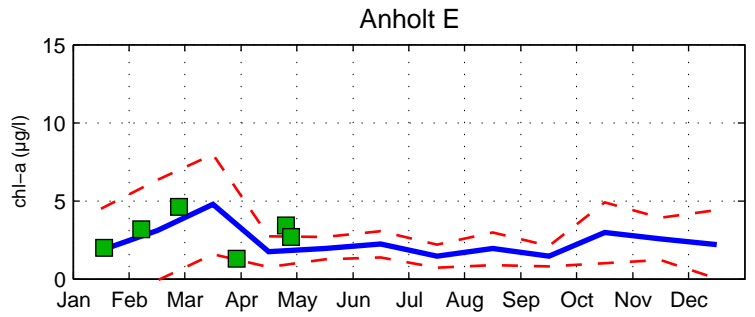
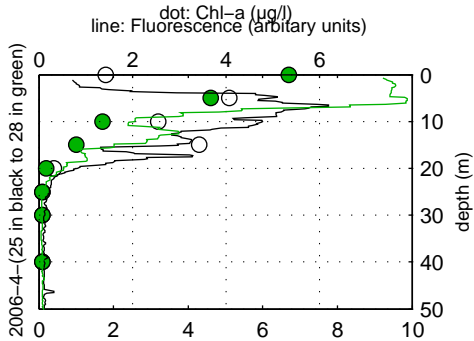
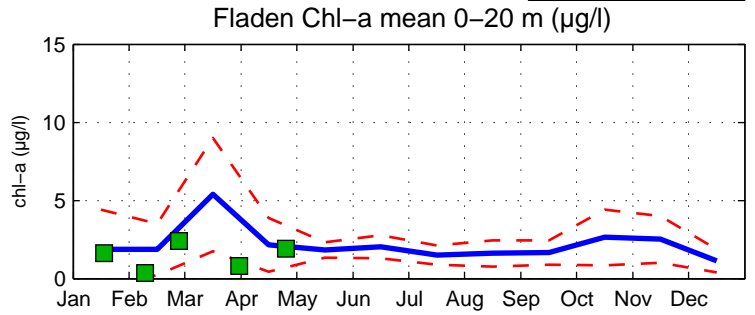
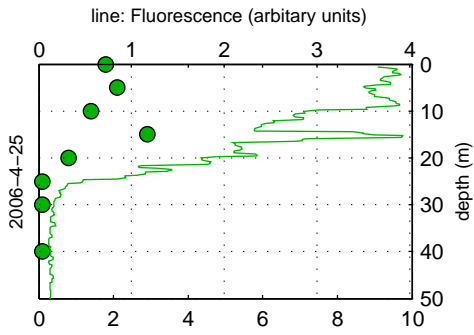
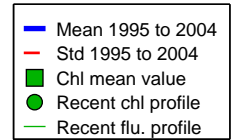
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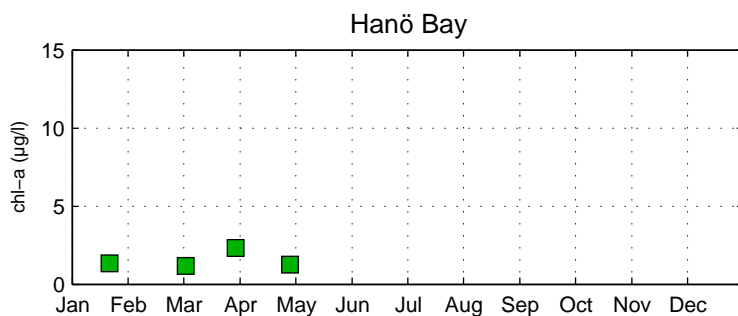
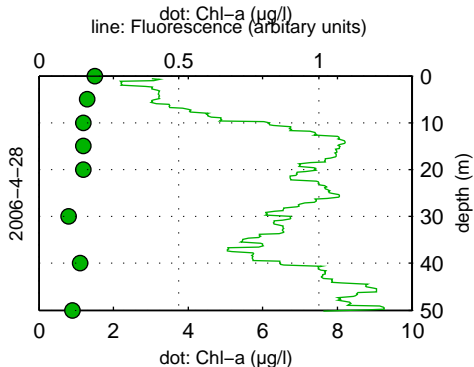
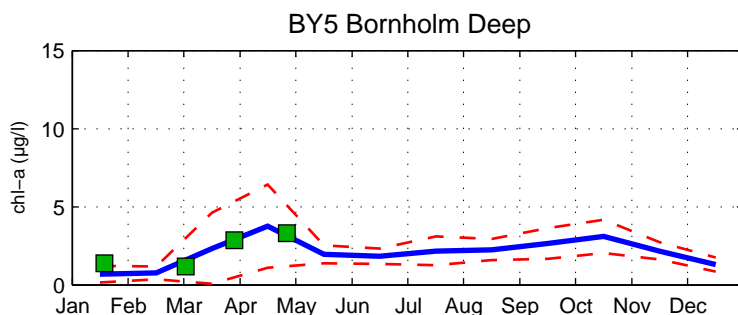
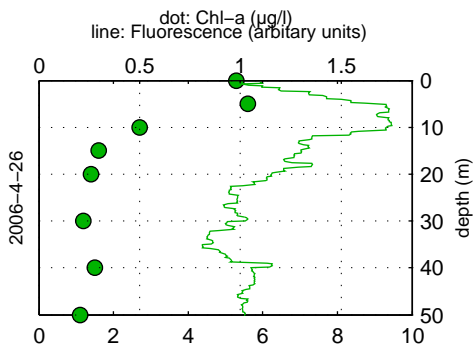
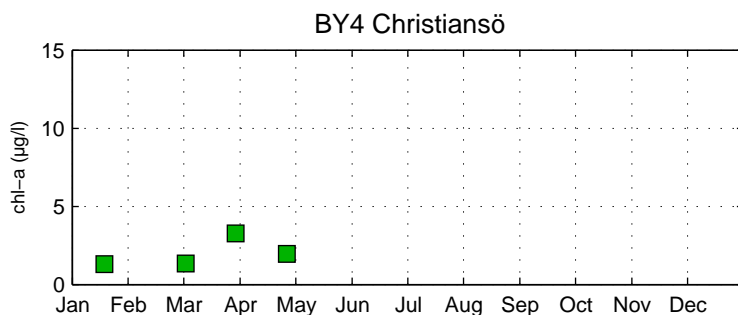
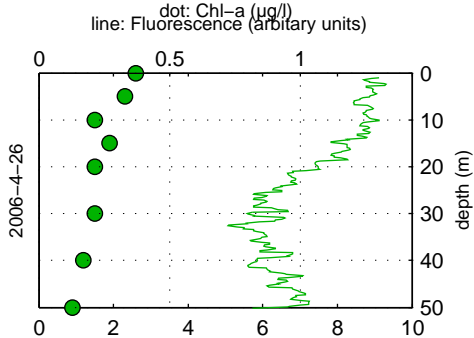
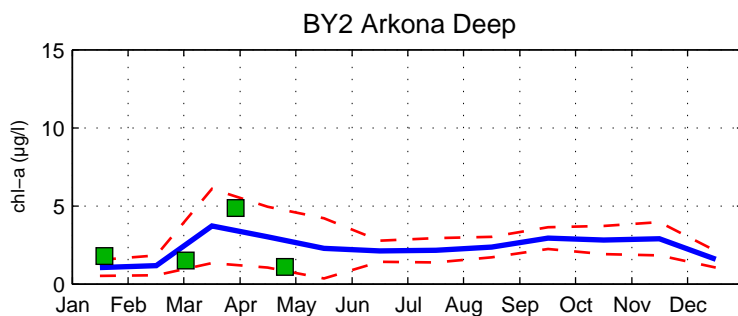
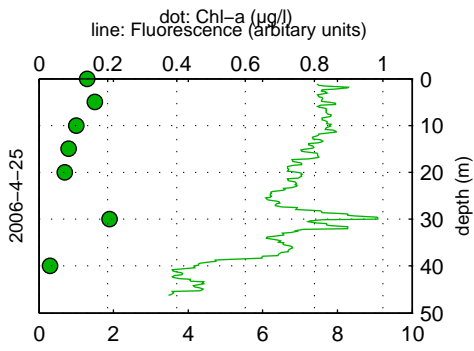
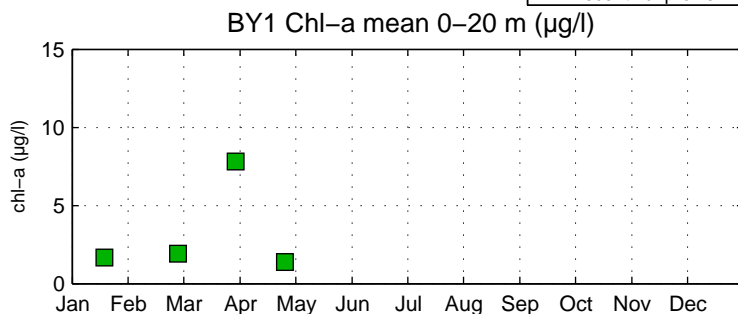
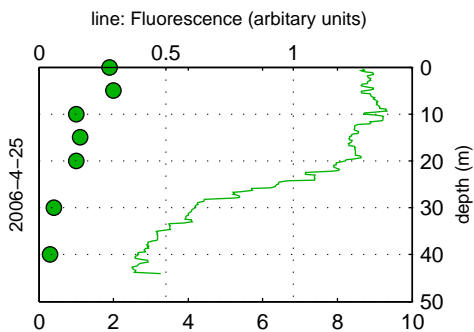
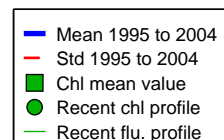
The Skagerrak



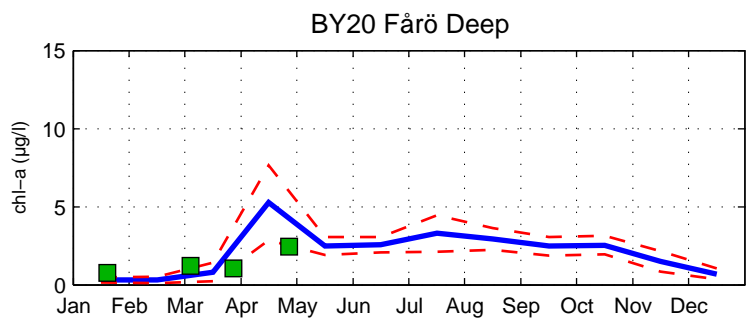
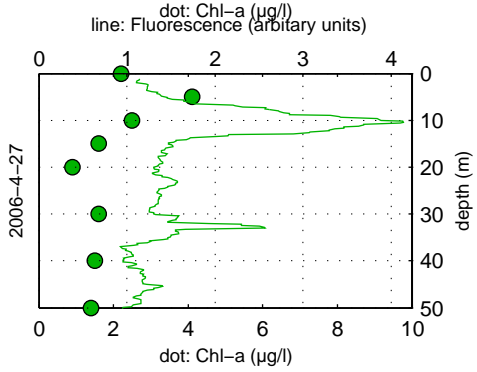
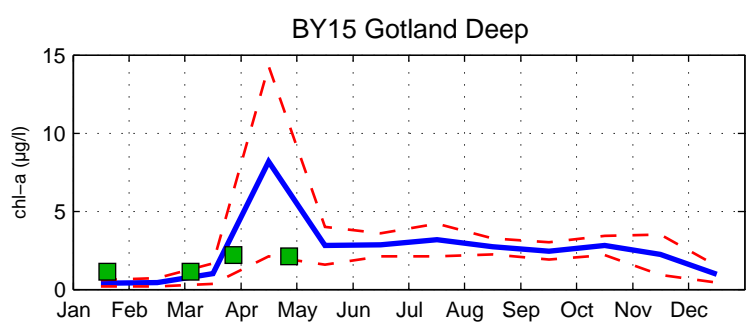
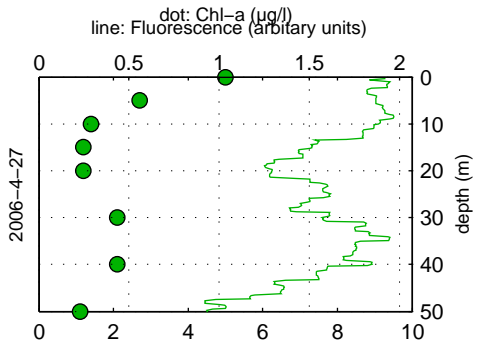
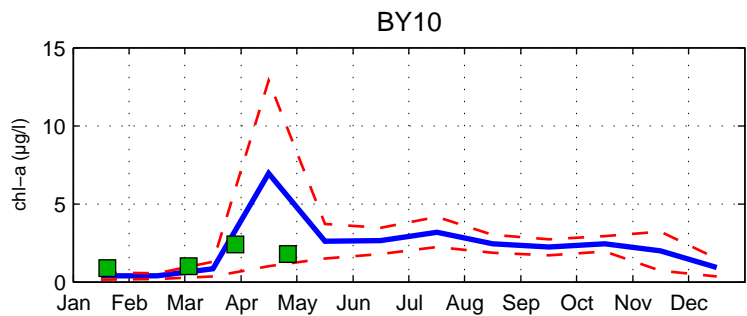
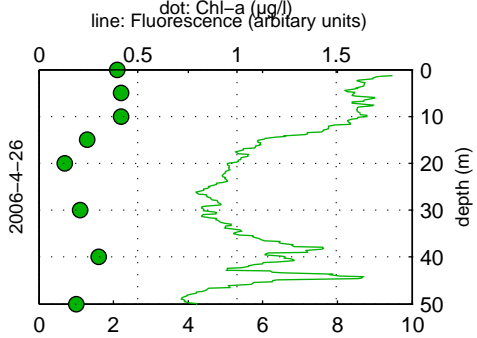
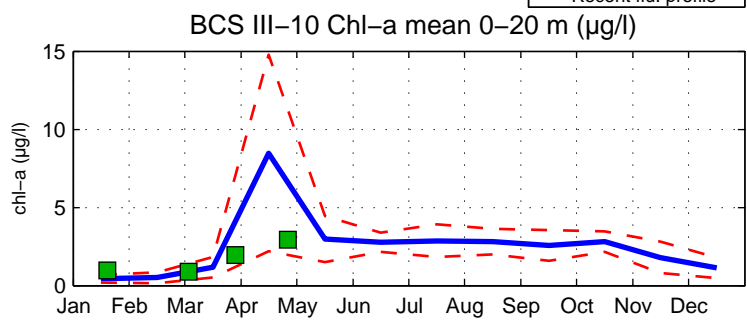
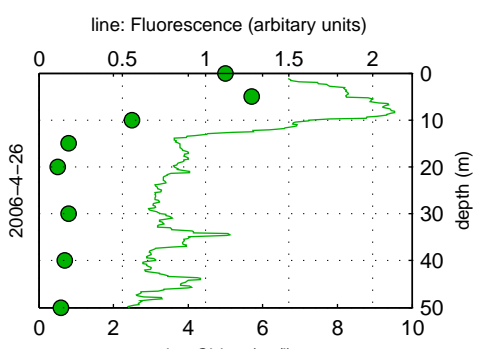
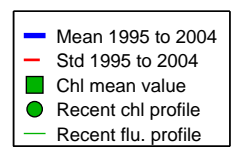
The Kattegat and the Sound



The Southern Baltic



The Eastern Baltic



The Western Baltic

