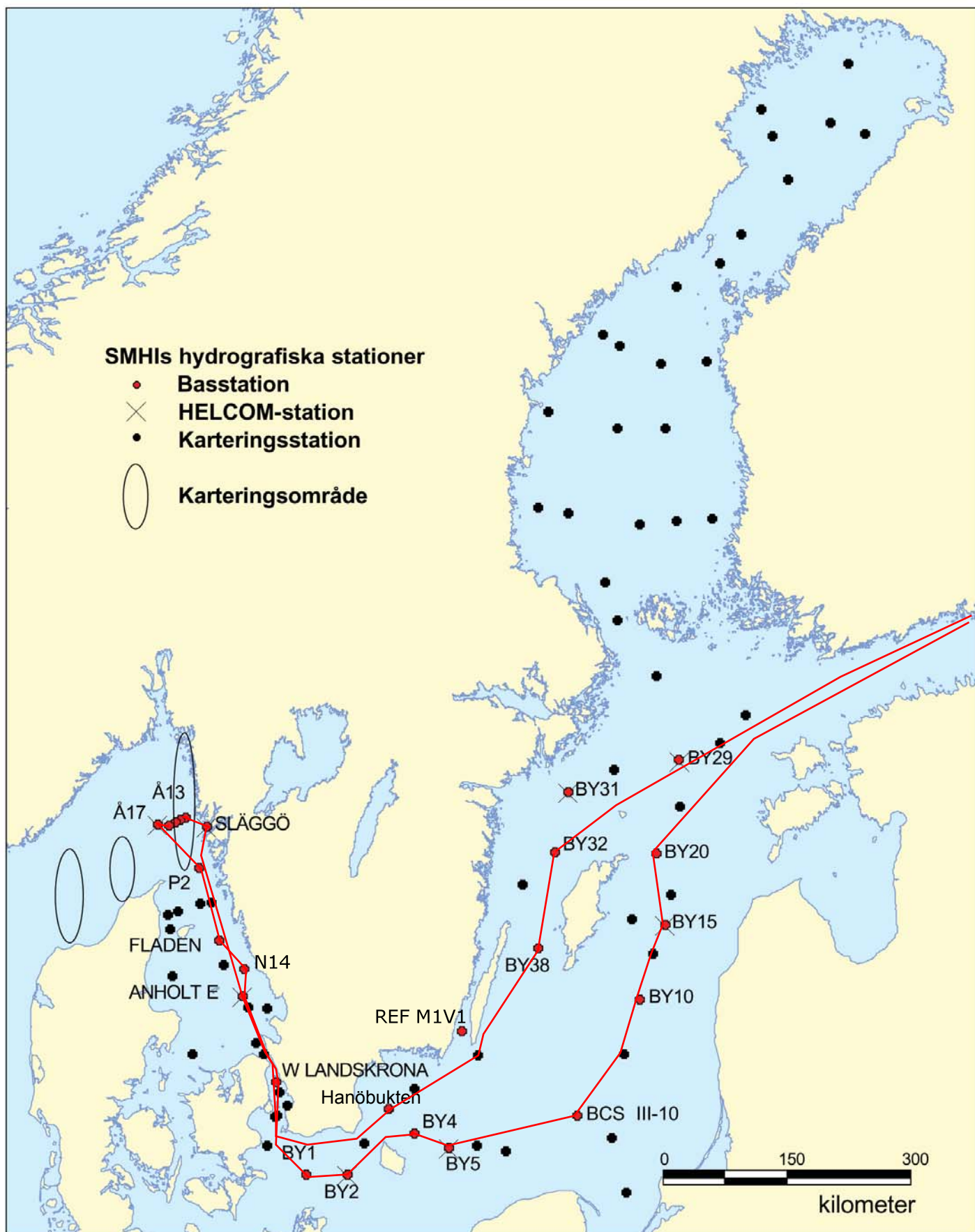


TRACKCHART
Country: Sweden
Ship: R/V ARANDA
Date: 20150420-20150427
Series: 0177-0206



Date: 2015-04-27
Time: 06:14

Ser no	Stat code	P r o j	Station-----	Lat-----	Lon-----	Date yyyymmdd	Time hhmm utc	Bottom depth m	Secchi depth m	Wind di ve	Air temp C	Air pres hPa	WCSI elec aoae tu hd	C PPCPZT Hrhhoo ml Cilyooa motPBw PrP l	No de	T e a l p i n	S h y s	O 2 g a s	P 4 P P	H 0 N N	P 4 N N	T 0 N N	N 4 N N	A t k o l i h o l i	S h o m u n g	L 3 u n g	P 0 N C	T 0 C C	C 0 m m				
0177	BPEX26BAS	BY20	FÄRÖDJ	N5800	E1953	20150421	0420	195		35 10	4.7	1018	1230	x --x----	17	x	x	-	x	x	x	x	x	x	x	-	x	-	-	-	x		
0178	BPEX21BAS	BY15	W	N5718.79	E1956.09	20150421	0811	224	9	36 8	4.9	1020	0030	x -xxxx--	18	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	x		
0179	BPEX21EXT	BY15	W	N5718.79	E1956.09	20150421	0945	224		36 8	5.0	1021	1130	x -----	6	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	x		
0180	BPEX14BAS	BY11		N5704	E1950	20150421	1130	205	13	36 8	4.9	1021	1130	x -----	18	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	x		
0181	BPEX13BAS	BY10		N5638	E1935	20150421	15	144	17	02 6	4.8	1021	0030	x --x----	15	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	x		
0182	BPSE12BAS	BY9	KLAIPEDA	N5607.5	E1917	20150421	1900	120					9990	x -----	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x		
0183	BPSE11BAS	BCS	III-10	N5533.3	E1824	20150421	2358	90		32 3	4.7	1023	9990	x --x----	12	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-		
0184	BPSB07BAS	BY5	BORNHOLMSDJ	N5515	E1559	20150422	0735	89		18 3	7.0	1023	1320	x -xxxx--	12	x	x	x	-	x	x	x	x	x	x	x	x	-	-	-	-		
0185	BPSB06BAS	BY4	CHRISTIANSÖ	N5523	E1520	20150422	1107	92	12	18 2	10.5	1023	1310	x --x----	12	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-		
0186	BPSA03BAS	BY2	ARKONA	N5500	E1405	20150422	1704	48		25 8	7.5	1021	1130	x --xxxx--	8	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-		
0187	BPSA02BAS	BY1		N5500	E1318	20150422	2040	47		25 7	8.0	1020	9990	x --x----	8	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-		
0188	SOCX39BAS	W	LANDSKRONA	N5552.0	E1245.0	20150423	0240	51		28 6	8.5	1014	9990	x --x----	9	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	x	
0189	KAEX29BAS	ANHOLT	E	N5640.0	E1207.0	20150423	0830	63		28 14	8.3	1012	2740	x -xxxx--	10	x	x	x	-	x	x	x	x	x	x	x	x	-	-	-	-	x	
0190	KANX50BAS	N14	FALKENBERG	N5656.40	E1212.70	20150423	1100	31	4	27 13	8.4	1010	2740	x -xxxx--	7	x	x	x	-	x	x	x	x	x	x	-	-	-	-	-	-	-	
0191	KANX25BAS	FLADEN		N5711.5	E1140	20150423	1405	85	5	28 11	9.9	1009	1140	x --x----	12	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	
0192	SKEX23BAS	P2		N5752	E1118	20150423	1830	94		27 15	7.7	1006	1450	x --x----	10	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	
0193	SKEX18BAS	Ä17		N5816.5	E1030.8	20150423	2310	350		30 10	8.3	1006	9990	x -xxxx--	15	x	x	x	-	x	x	x	x	x	x	-	-	-	-	-	-	-	
0194	SKEX17BAS	Ä16		N5816	E1043.5	20150424	0040	203		28 11	7.6	1006	9990	x -----	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0195	SKEX16BAS	Ä15		N5817.7	E1051	20150424	0240	137		28 10	7.5	1006	9990	x --x----	12	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	x
0196	SKEX15BAS	Ä14		N5819	E1056.5	20150424	0400	113		27 12	7.3	1006	2840	x -----	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0197	SKEX14BAS	Ä13		N5820.2	E1102	20150424	0505	93		27 11	7.2	1005	2840	x --x----	10	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	-
0198	FIBG27BAS	SLÄGGÖ		N5815.5	E1126.0	20150424	0720	73		26 11	7.6	1006	2720	x --xxxx--	9	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	-
0199	KAEX29BAS	ANHOLT	E	N5640.0	E1207.0	20150424	1930	63		14 6	8.1	1007	1520	x -xxxx--	10	x	x	x	-	x	x	x	x	x	x	x	-	-	-	-	-	-	-
0200	BPSH05BAS	HANÖBKUTEN		N5537	E1452	20150425	1130	80	11	20 8	8.1	1005	2820	x --x----	11	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-	-
0201	BPSE00EXT	4.4NE	ÖLANDS SÖDRA	N5610.06	E1659	20150425	1745	58		24 5	7.8	1004	4820	x -----	9	x	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	x
0202	BPWX00EXT	14SE	KAPELLUDDEN	N5639.50	E1710.13	20150425	2145	83		20 8	6.4	1003	6990	x -----	11	x	x	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-
0203	BPWX00EXT	16.5E	KAPELLUDDEN	N5650.20	E1722.09	20150425	2325	93		20 7	6.8	1002	6990	x -----	12	x	x	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-

SMHI
Ocean enh

Hydrographic
series

Ship: 01-Aranda
Year: 2015

Date: 2015-04-27
Time: 06:14

Ser no	Stat code	P r o j	Station-----	Lat-----	Lon-----	Date yyyymmdd	Time hhmm utc	Bottom depth m	Secchi depth m	Wind di ve	Air temp C	Air pres hPa	WCSI elec aoae tu hd	C t d	PPCPZZT Hrhhhoor Cilyooa motPBw PrP l	No de	T e	S a	P h	O x	H 2	P o	T o	N o	N o	N o	T h	A o	S l	H i	L u	P i	P 0	T 0	C 0	
0204	BPWX00EXT	17E	KLAPPERVALL	N5700.02	E1732.40	20150426	0055	107		21 7	6.7 1002	6990	x	-----	14	x	x	-	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0205	BPWX45BAS	BY38	KARLSÖDJ	N5707	E1740	20150426	0250	110		22 7	6.6 1002	9990	x	--x----	14	x	x	-	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-	x
0206	BPWX38BAS	BY32	NORRRÖPINGSDJ	N5801	E1759	20150426	0800	201	7	22 5	6.5 1001	4320	x	--x----	17	x	x	-	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-	x

□E

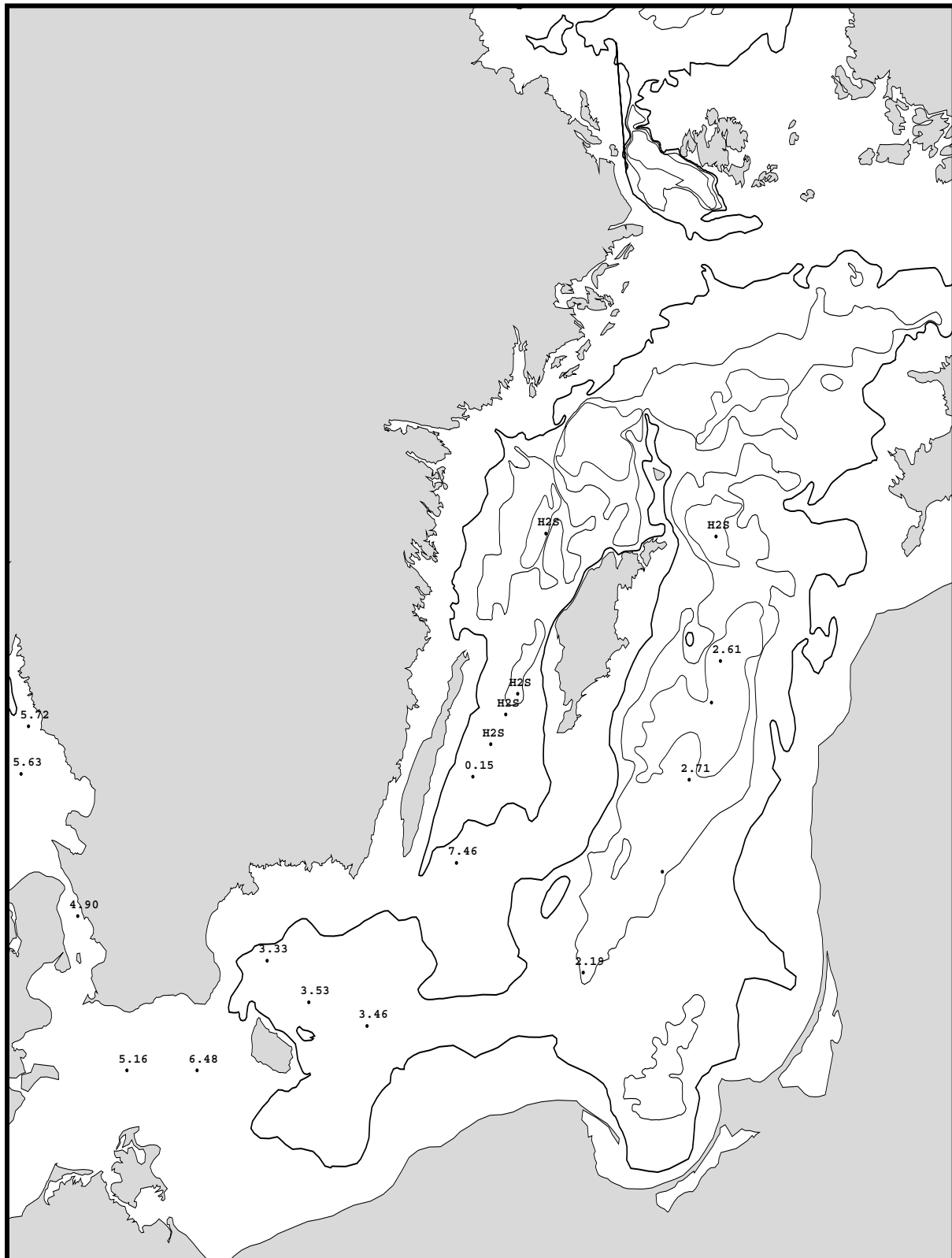
Bottom water oxygen concentration (ml/l)

Country: Finland

Ship : Aranda

Date : 20150421-20150426

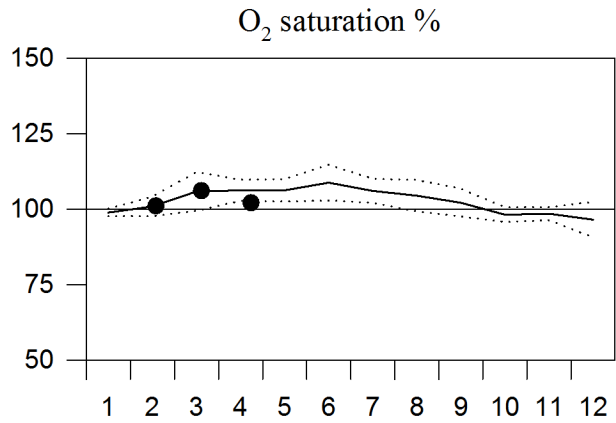
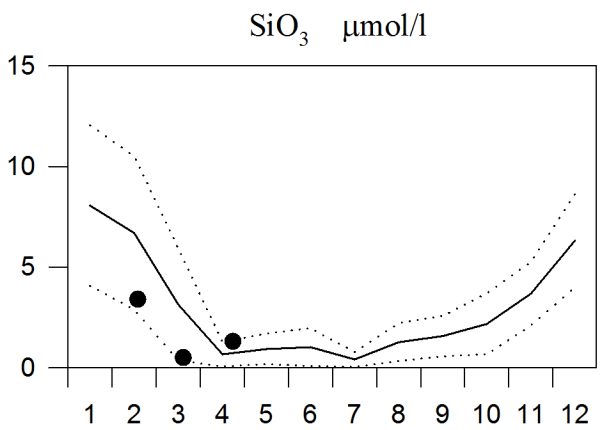
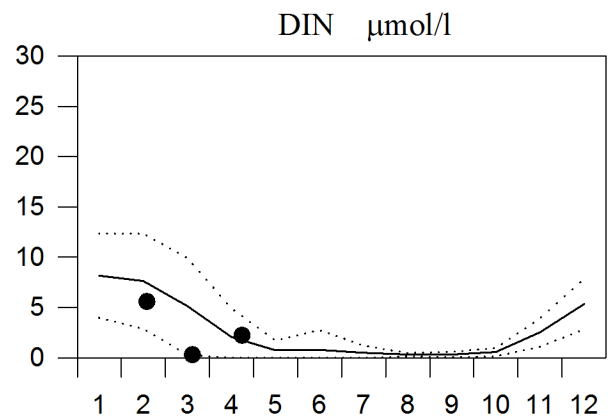
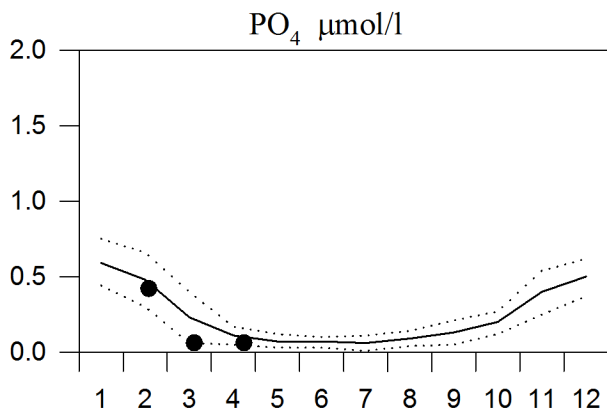
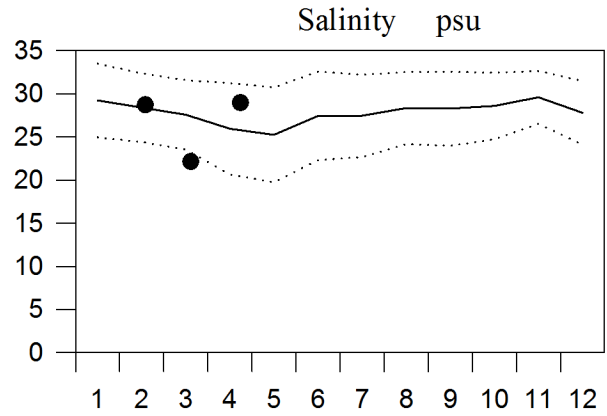
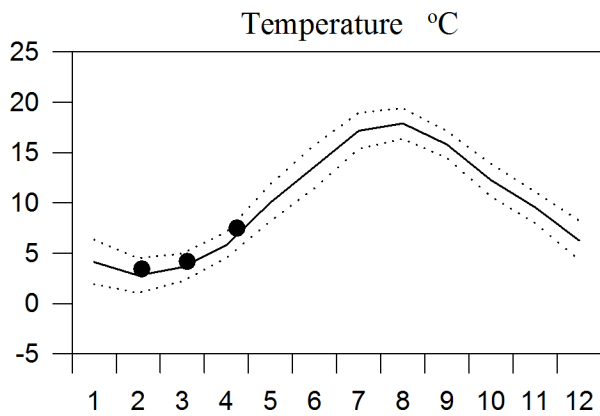
Series : 0177-0206



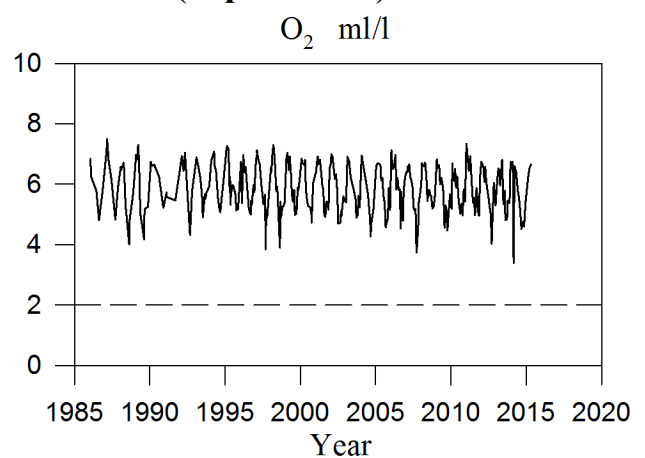
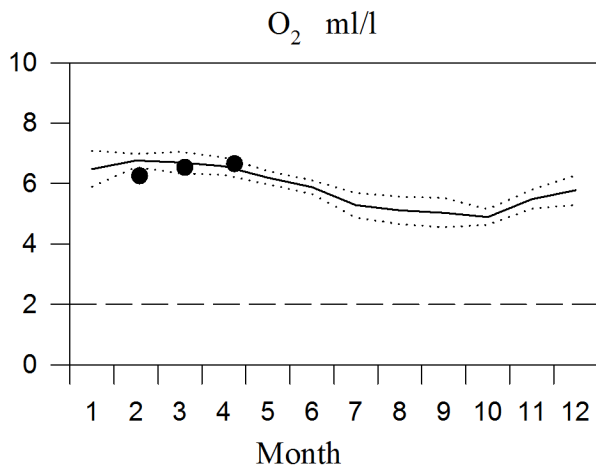
STATION P2 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

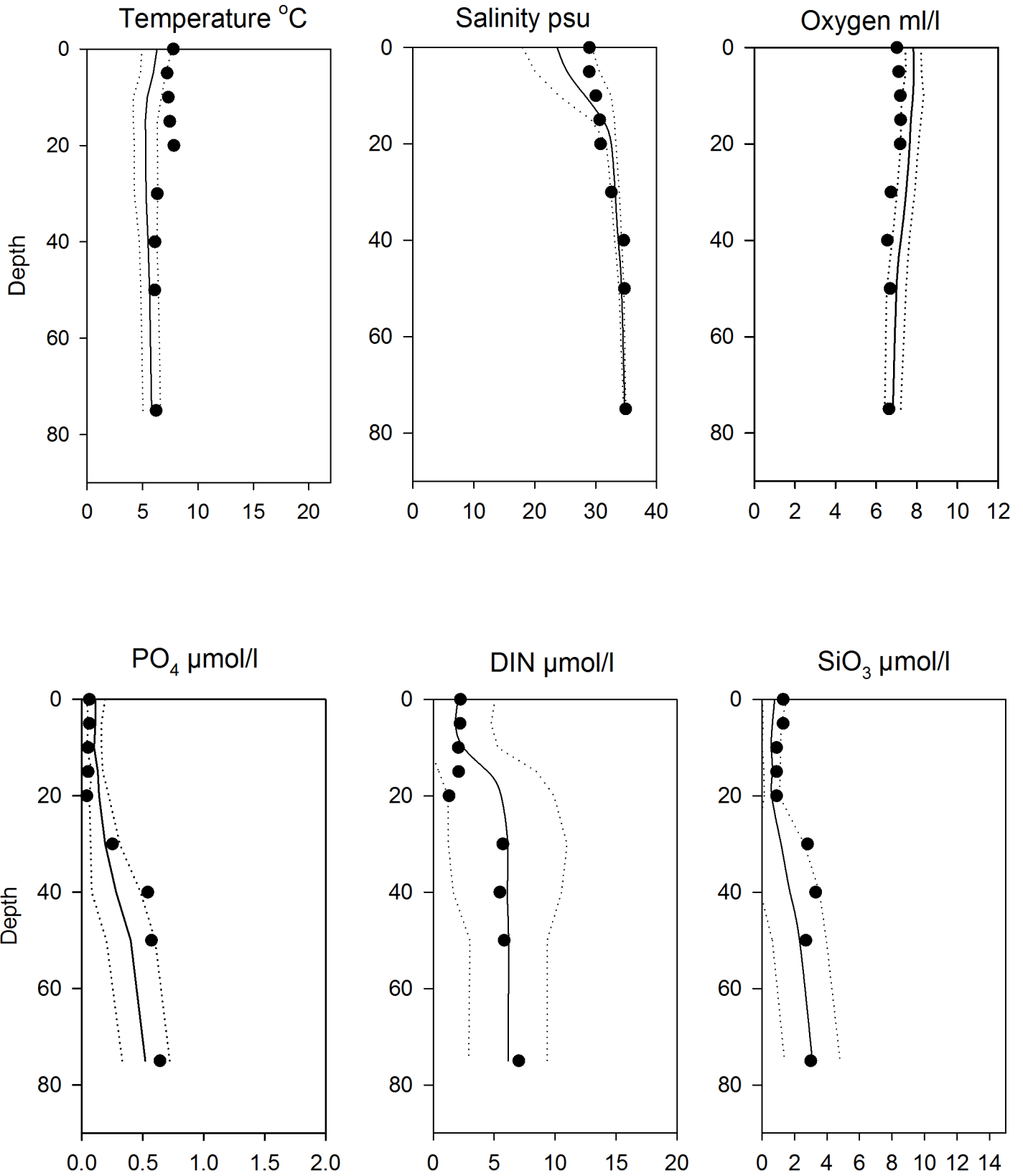


OXYGEN IN BOTTOM WATER (depth >75m)



Vertical profiles P2 April

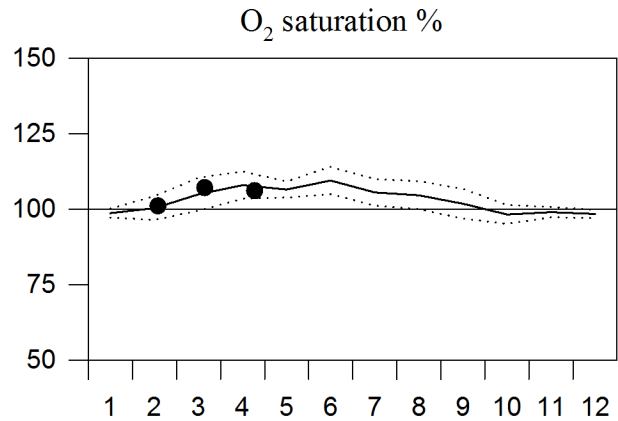
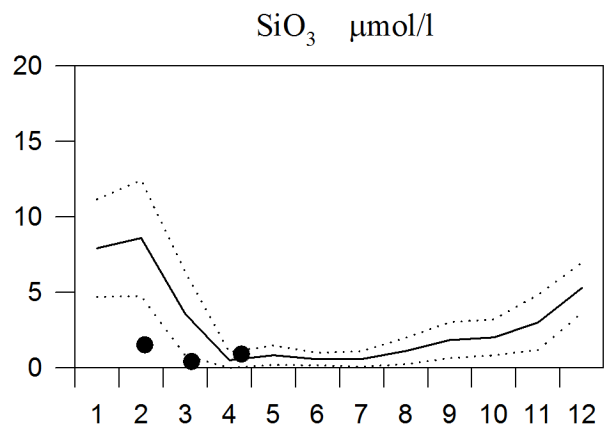
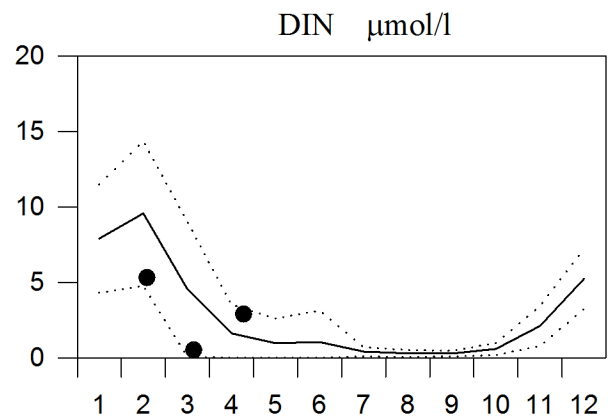
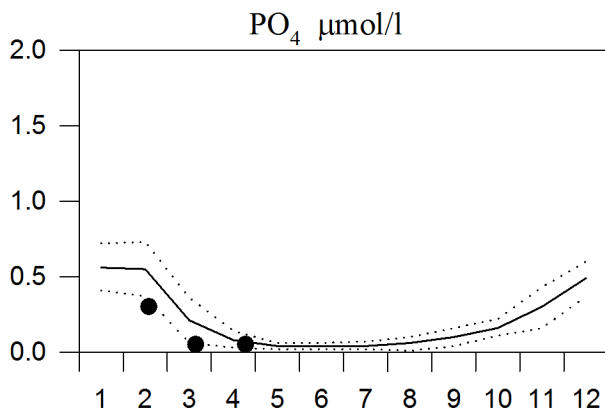
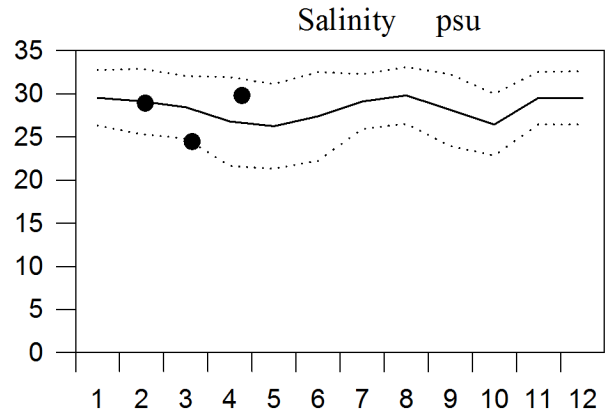
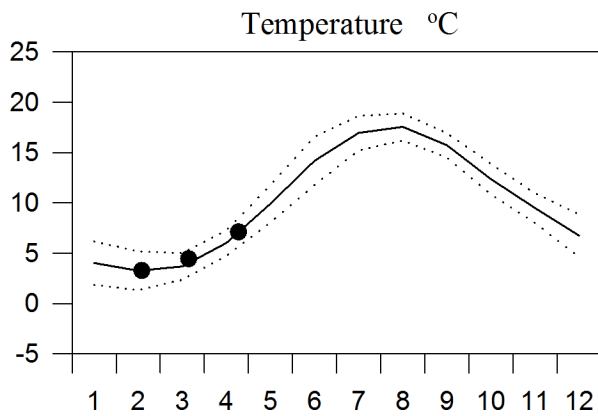
— Mean 1996-2010 St.Dev. ● 2015



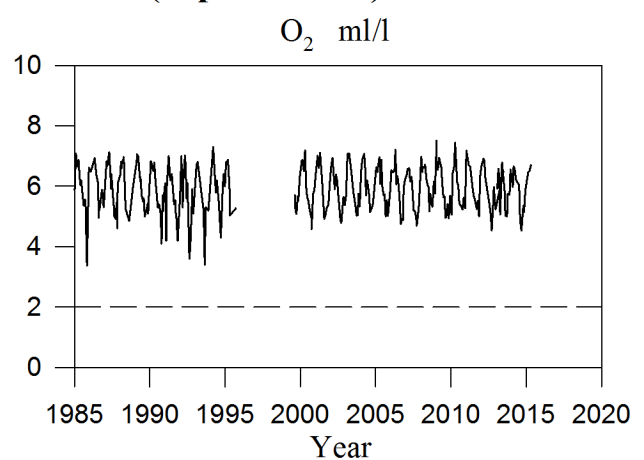
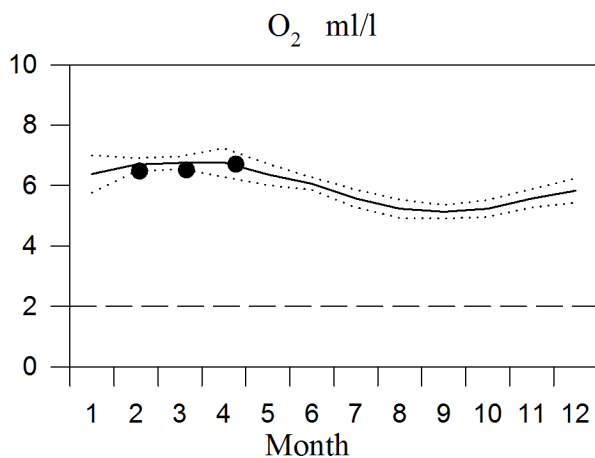
STATION Å13 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

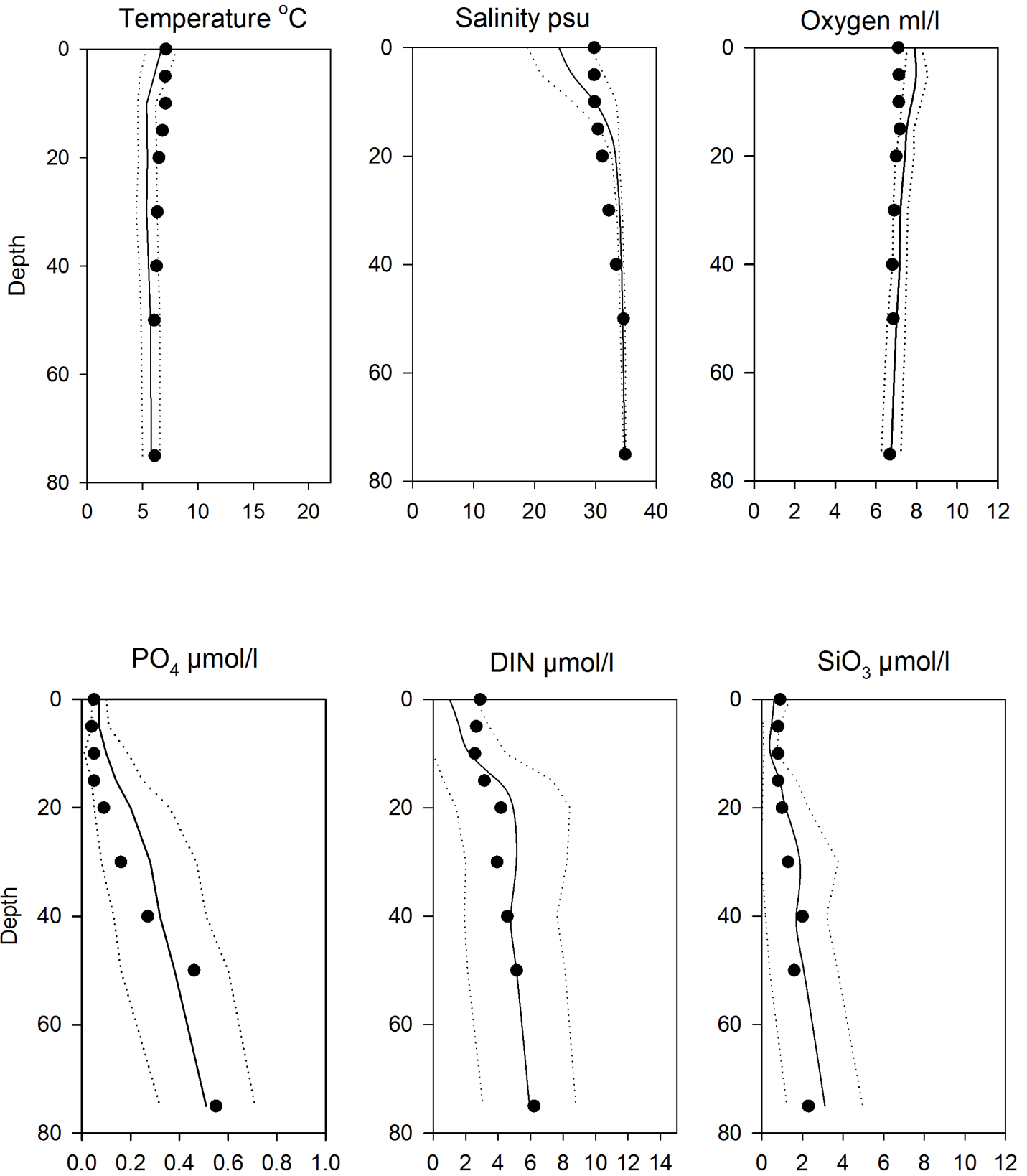


OXYGEN IN BOTTOM WATER (depth >=75m)



Vertical profiles Å13 April

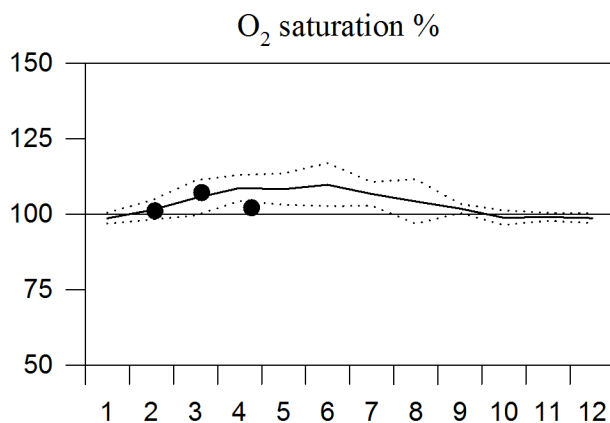
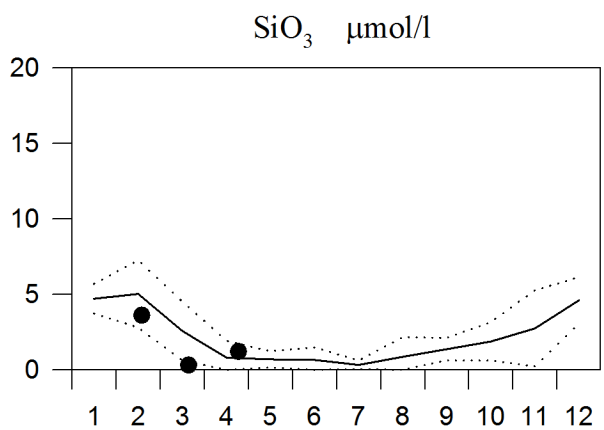
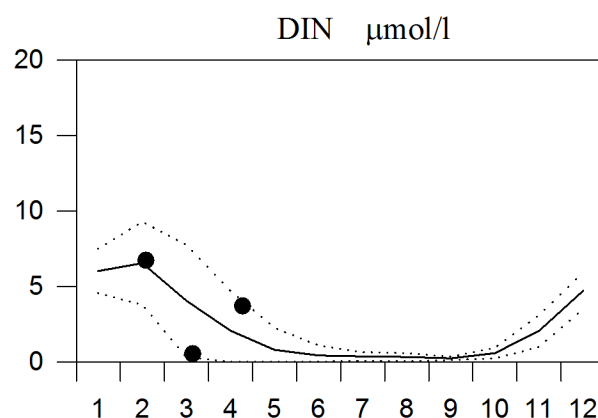
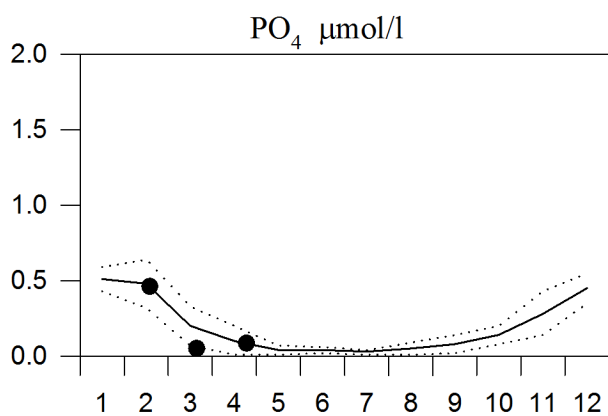
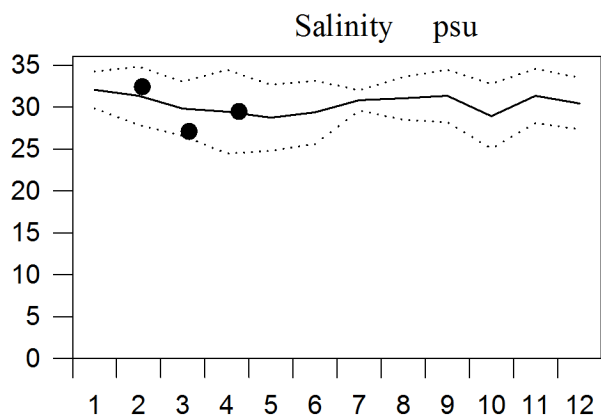
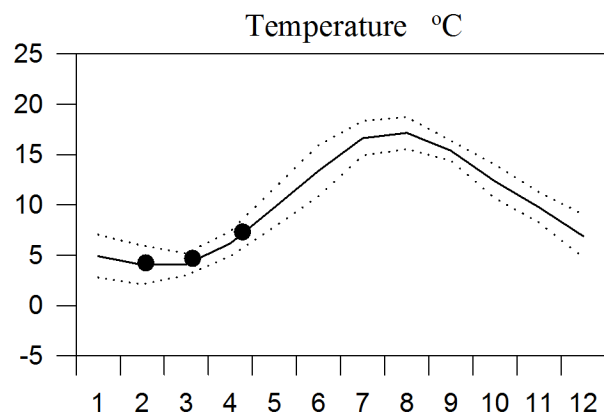
— Mean 1996-2010 St.Dev. ● 2015



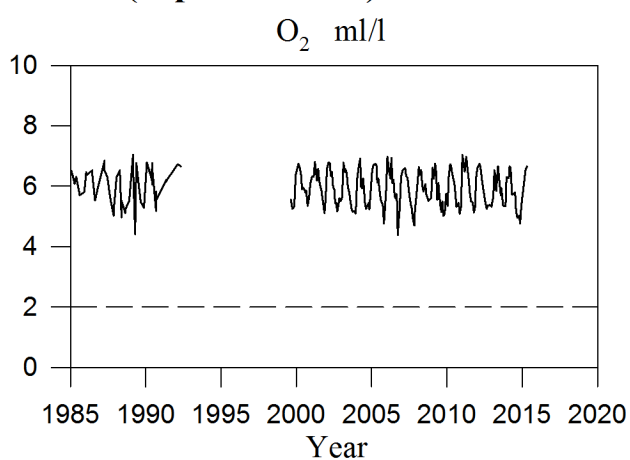
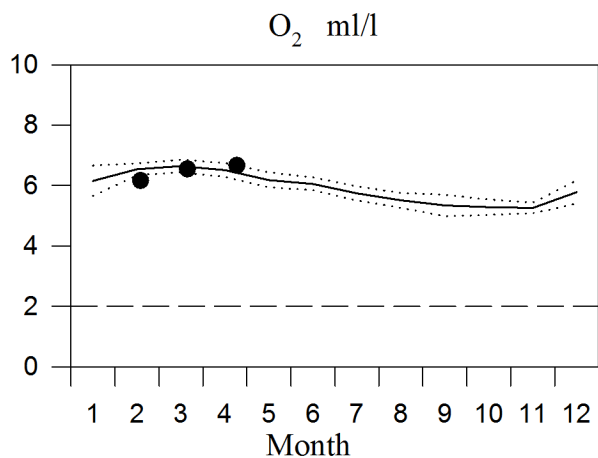
STATION Å15 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015



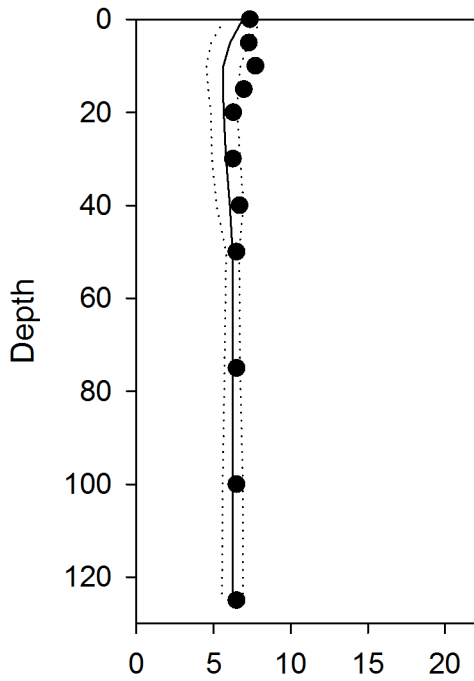
OXYGEN IN BOTTOM WATER (depth >=125m)



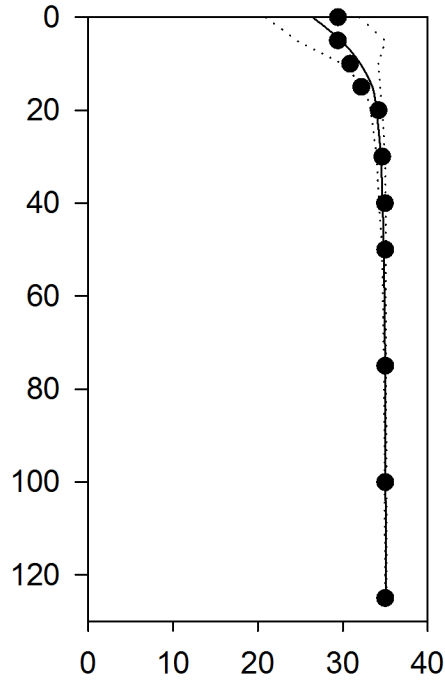
Vertical profiles Å15 April

— Mean 1996-2010 St.Dev. ● 2015

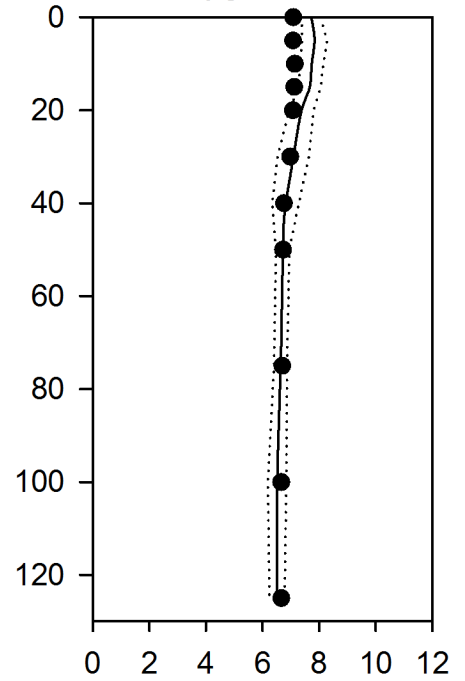
Temperature °C



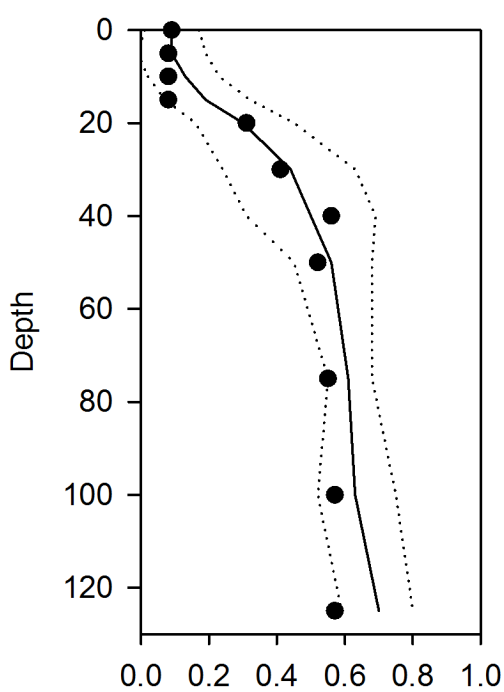
Salinity psu



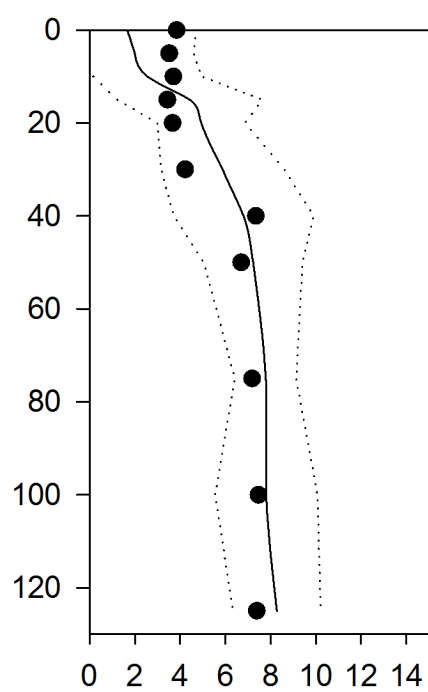
Oxygen ml/l



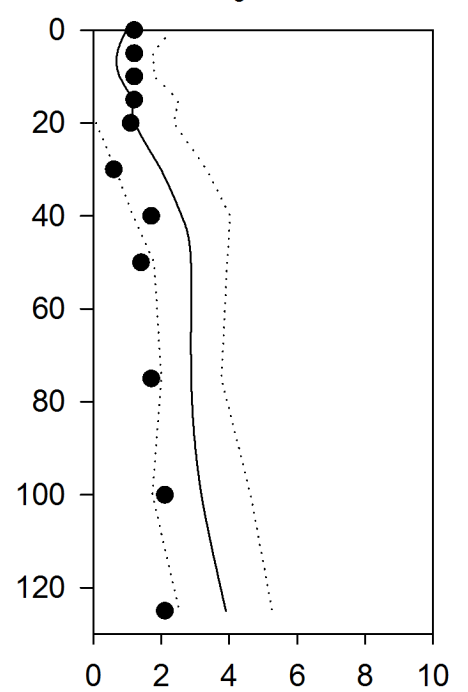
PO₄ µmol/l



DIN µmol/l



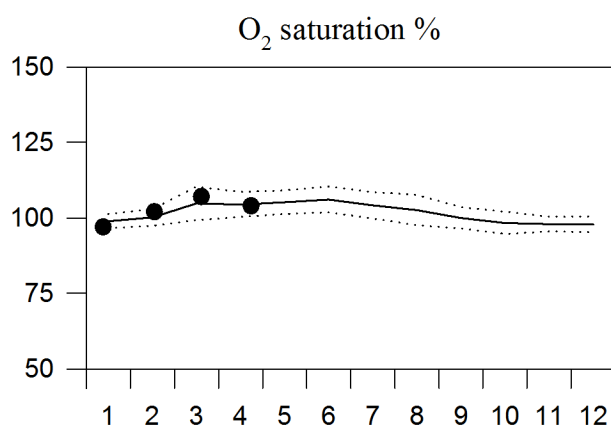
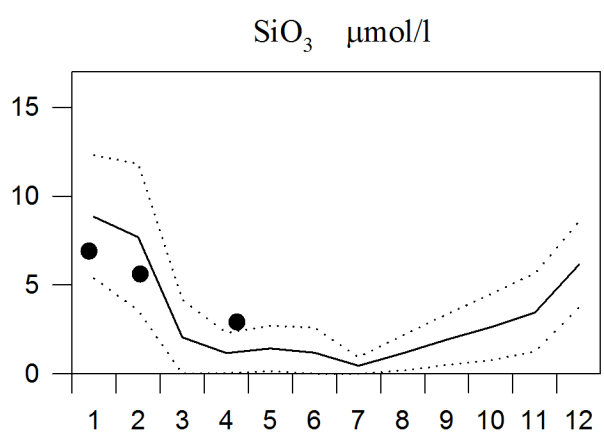
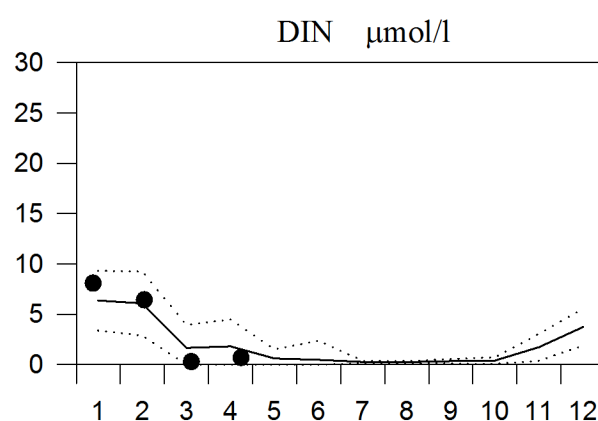
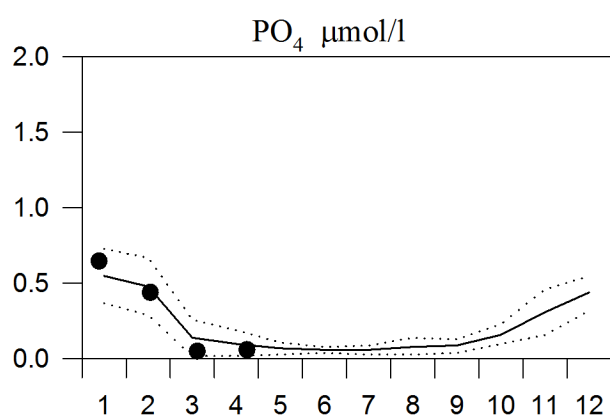
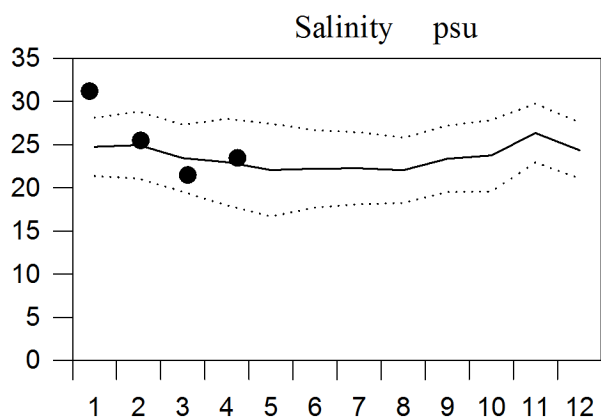
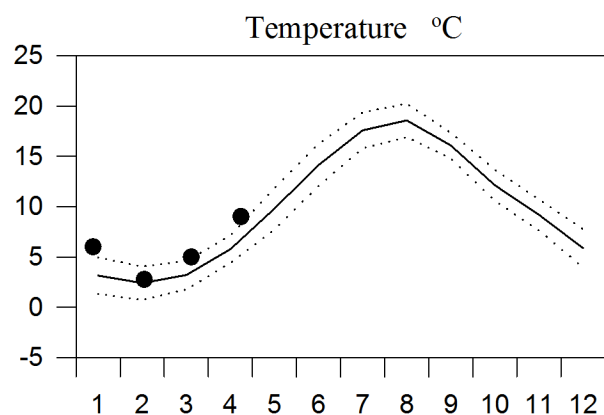
SiO₃ µmol/l



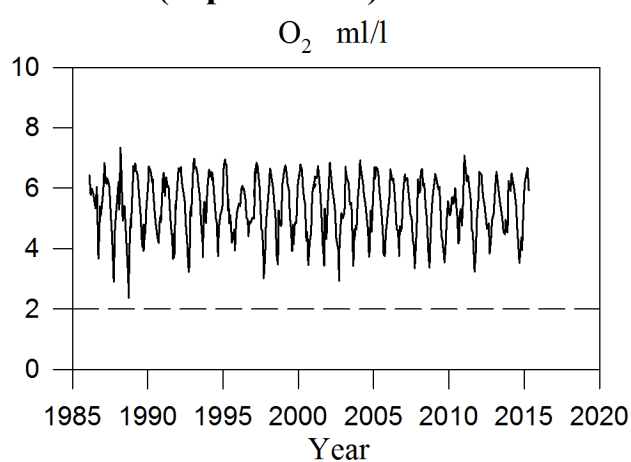
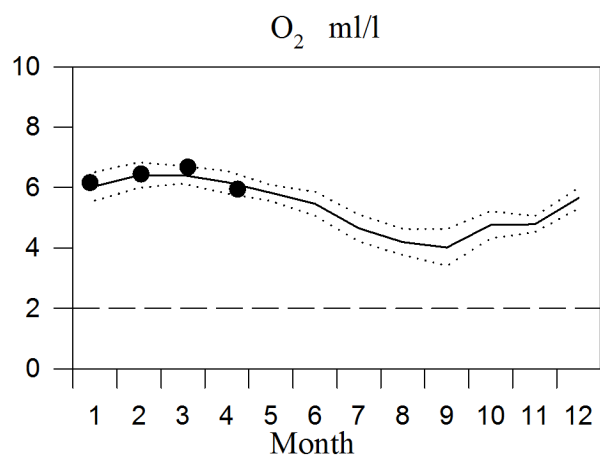
STATION FLADEN SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

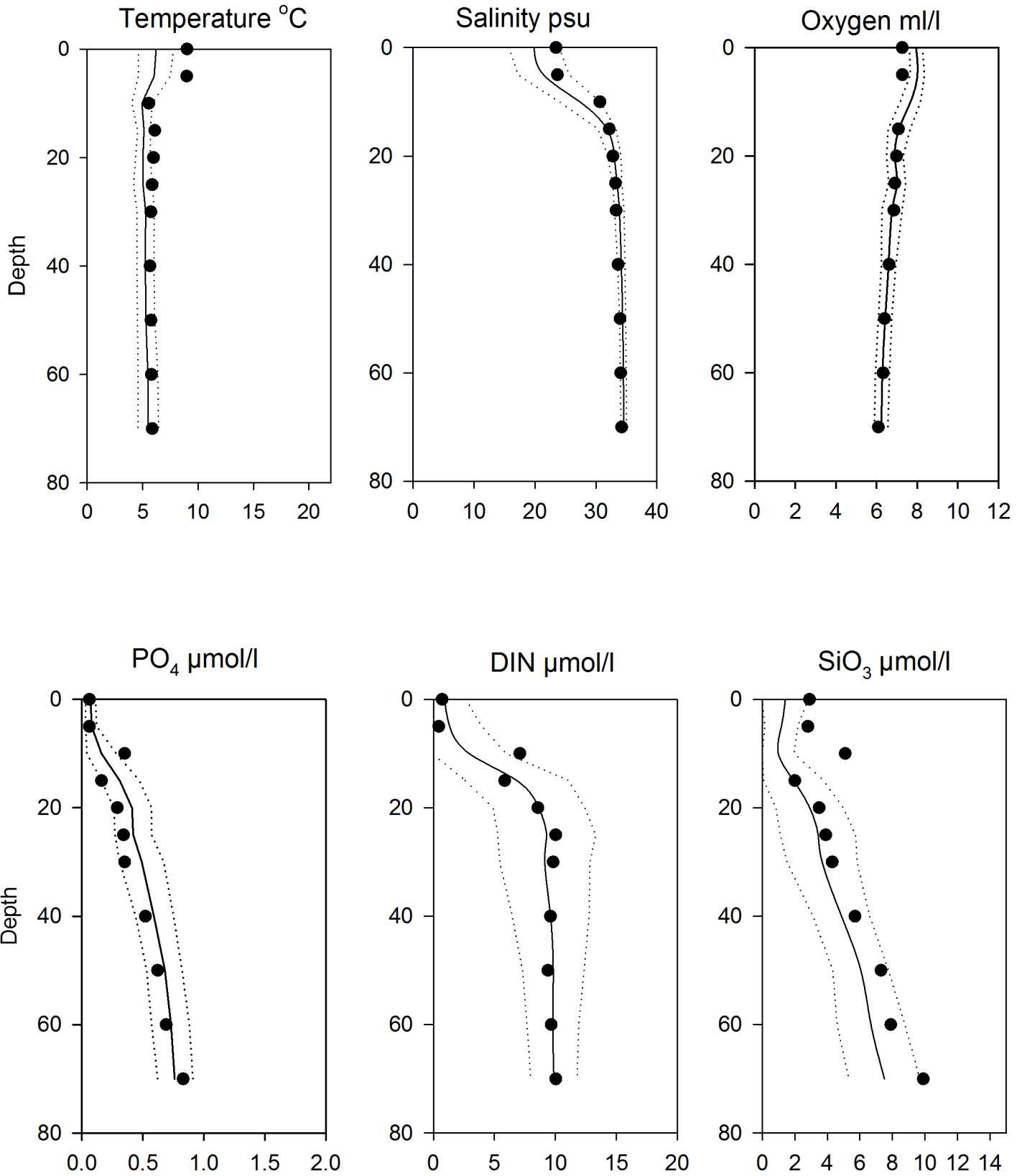


OXYGEN IN BOTTOM WATER (depth > 70m)



Vertical profiles Fladen April

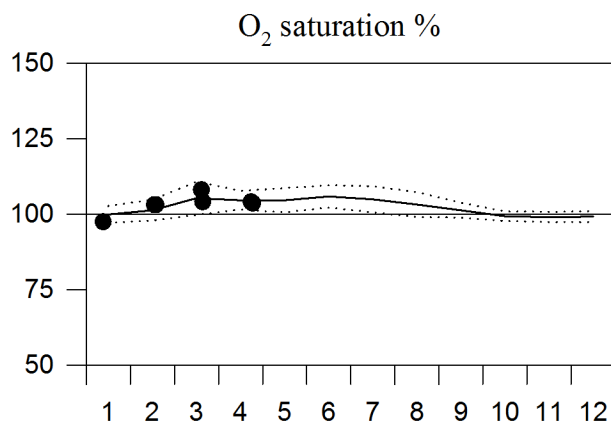
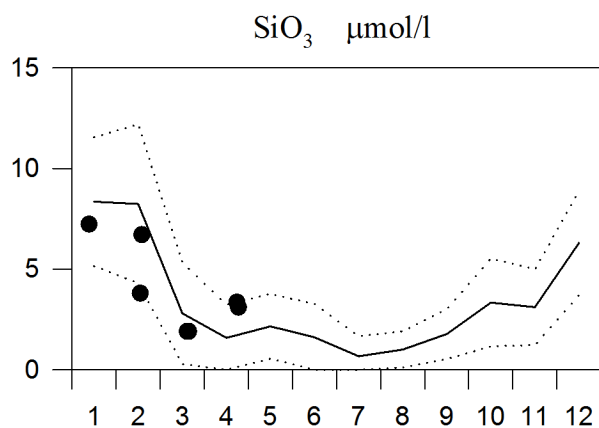
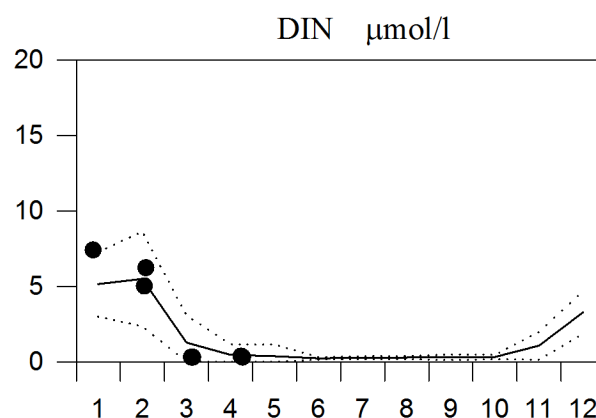
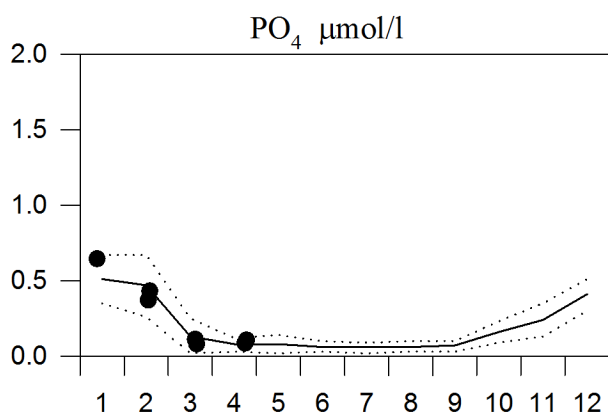
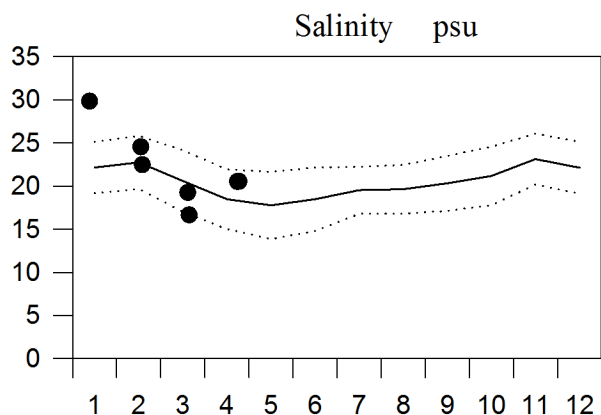
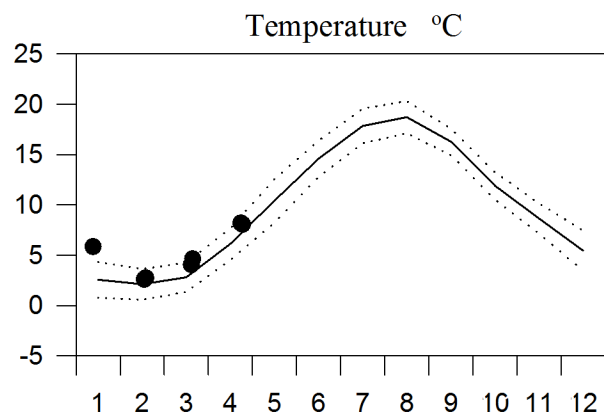
— Mean 1996-2010 St.Dev. ● 2015



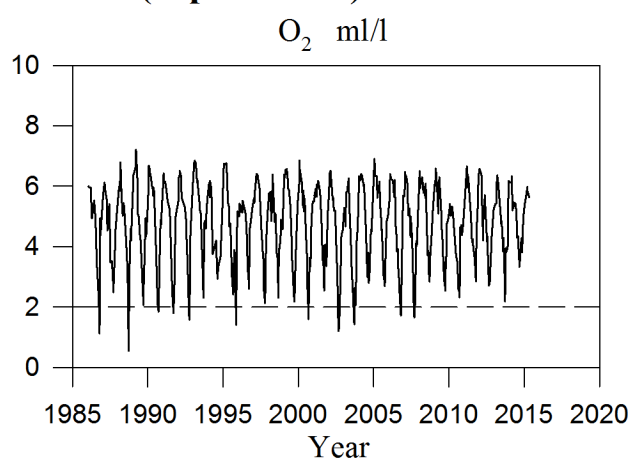
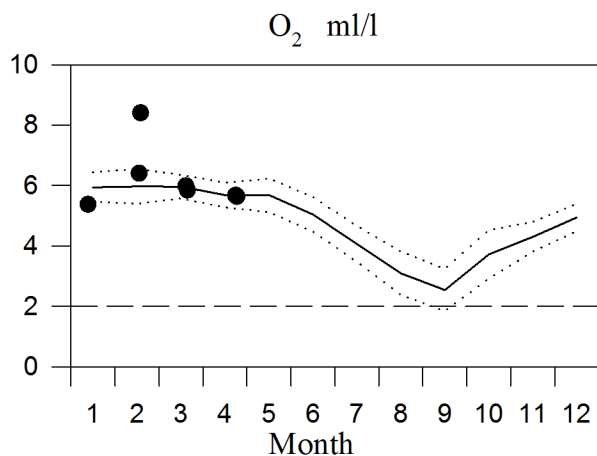
STATION ANHOLT E SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

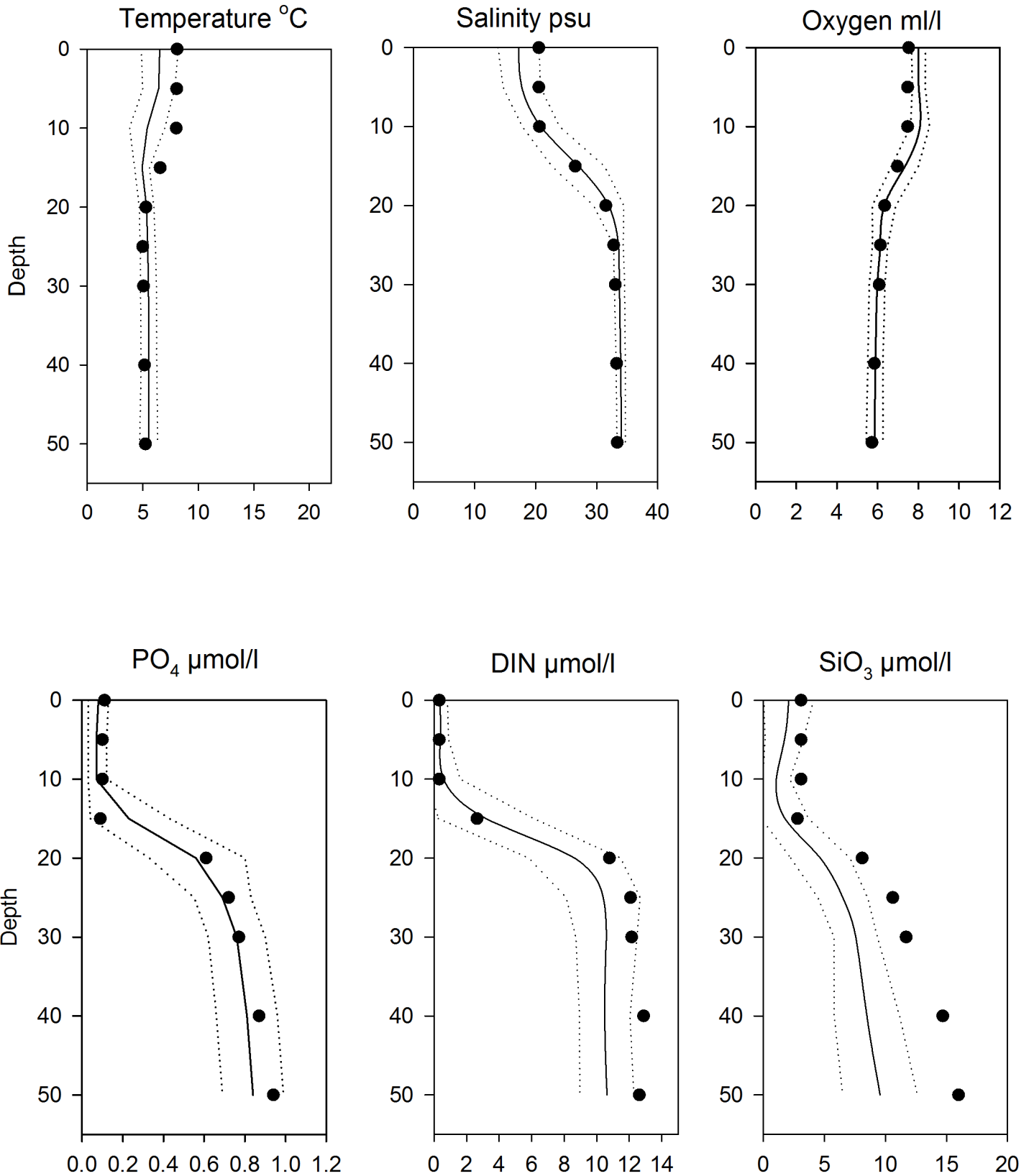


OXYGEN IN BOTTOM WATER (depth > 50m)



Vertical profiles Anholt E April

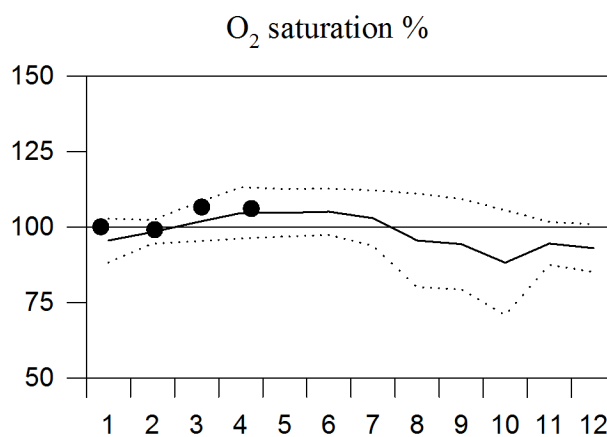
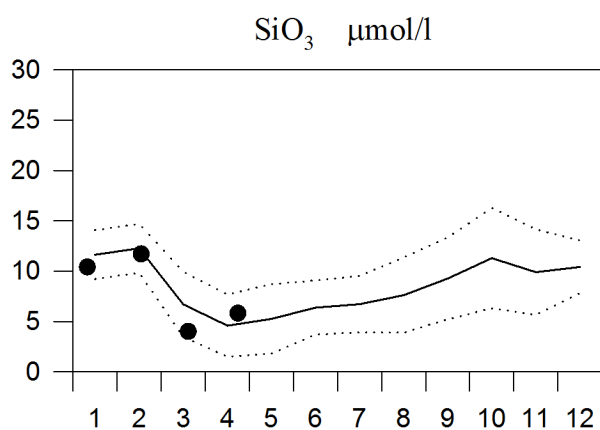
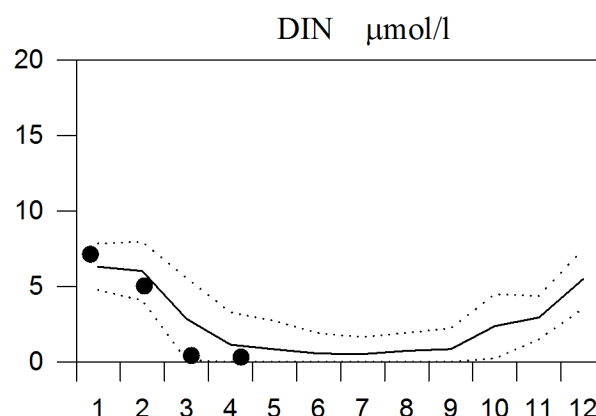
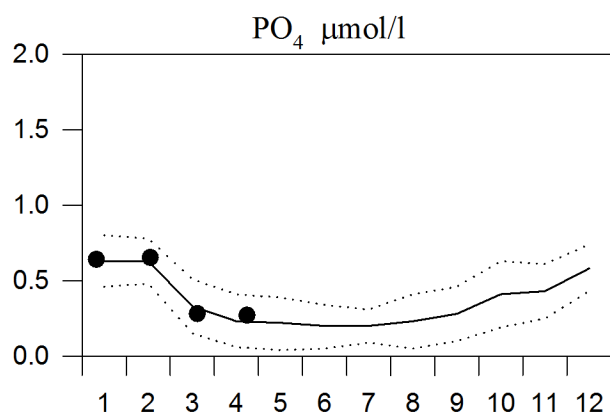
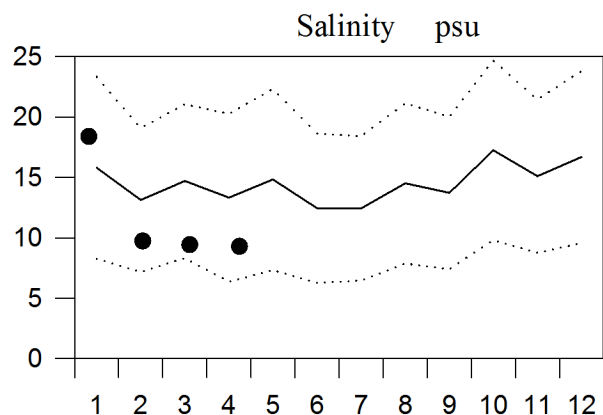
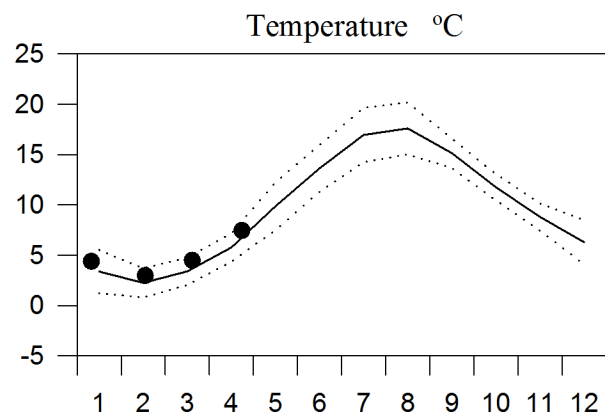
— Mean 1996-2010 St.Dev. ● 2015



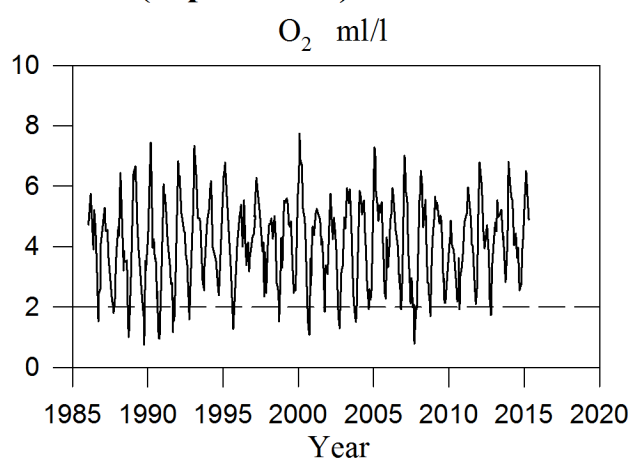
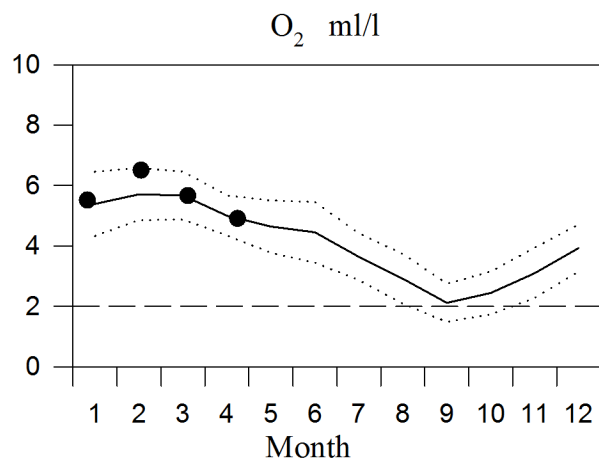
STATION W LANDSKRONA SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

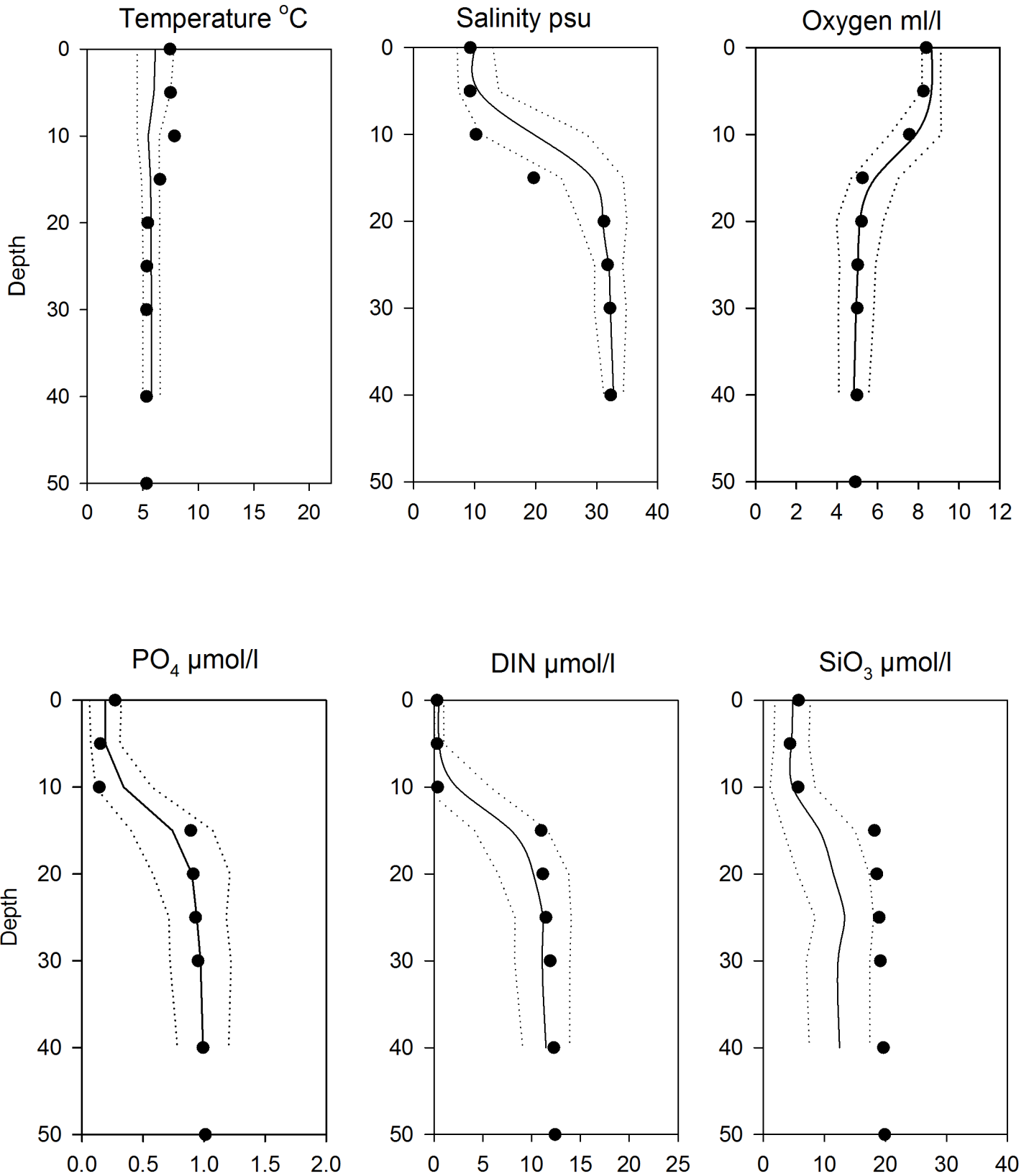


OXYGEN IN BOTTOM WATER (depth >40m)



Vertical profiles W Landskrona April

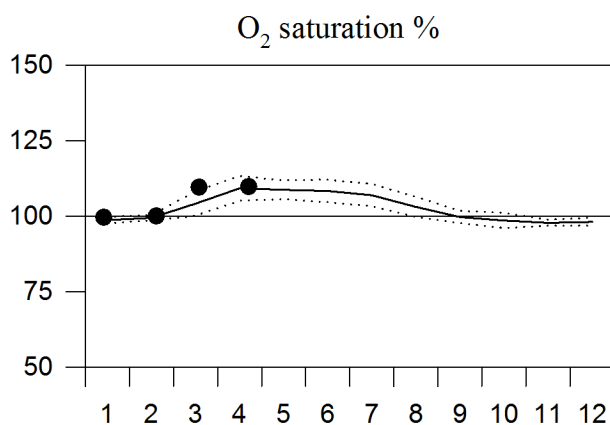
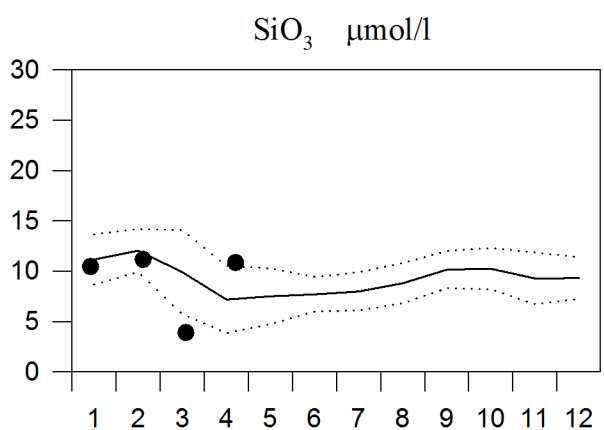
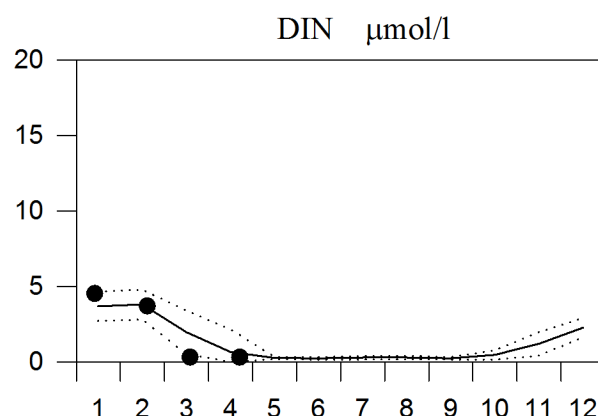
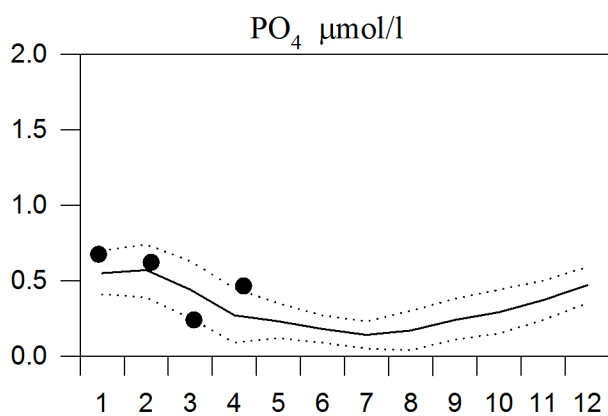
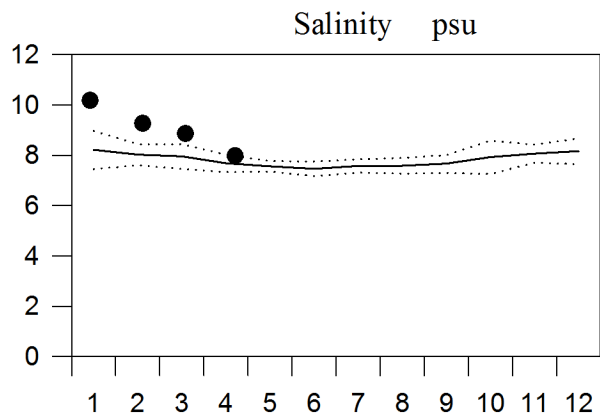
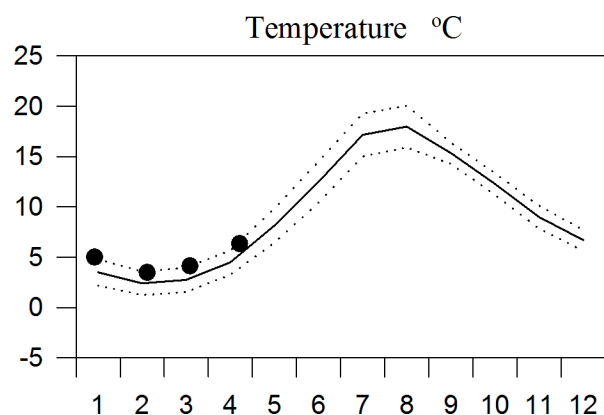
— Mean 1996-2010 St.Dev. ● 2015



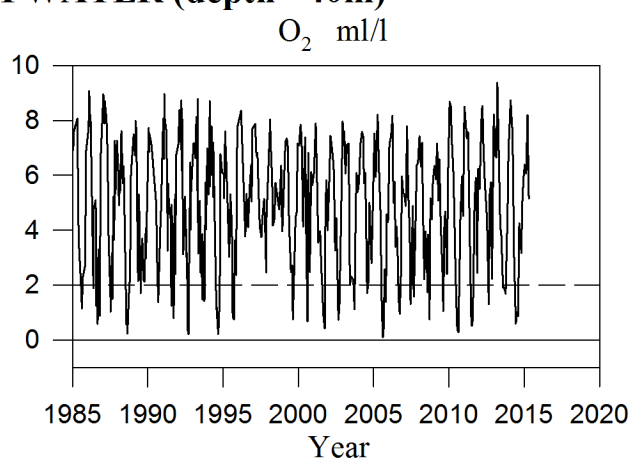
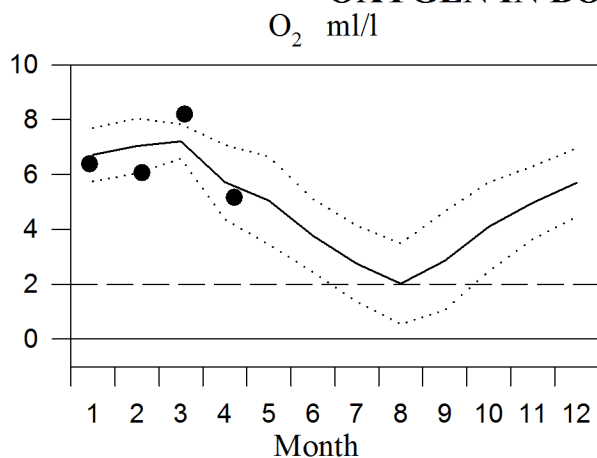
STATION BY1 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

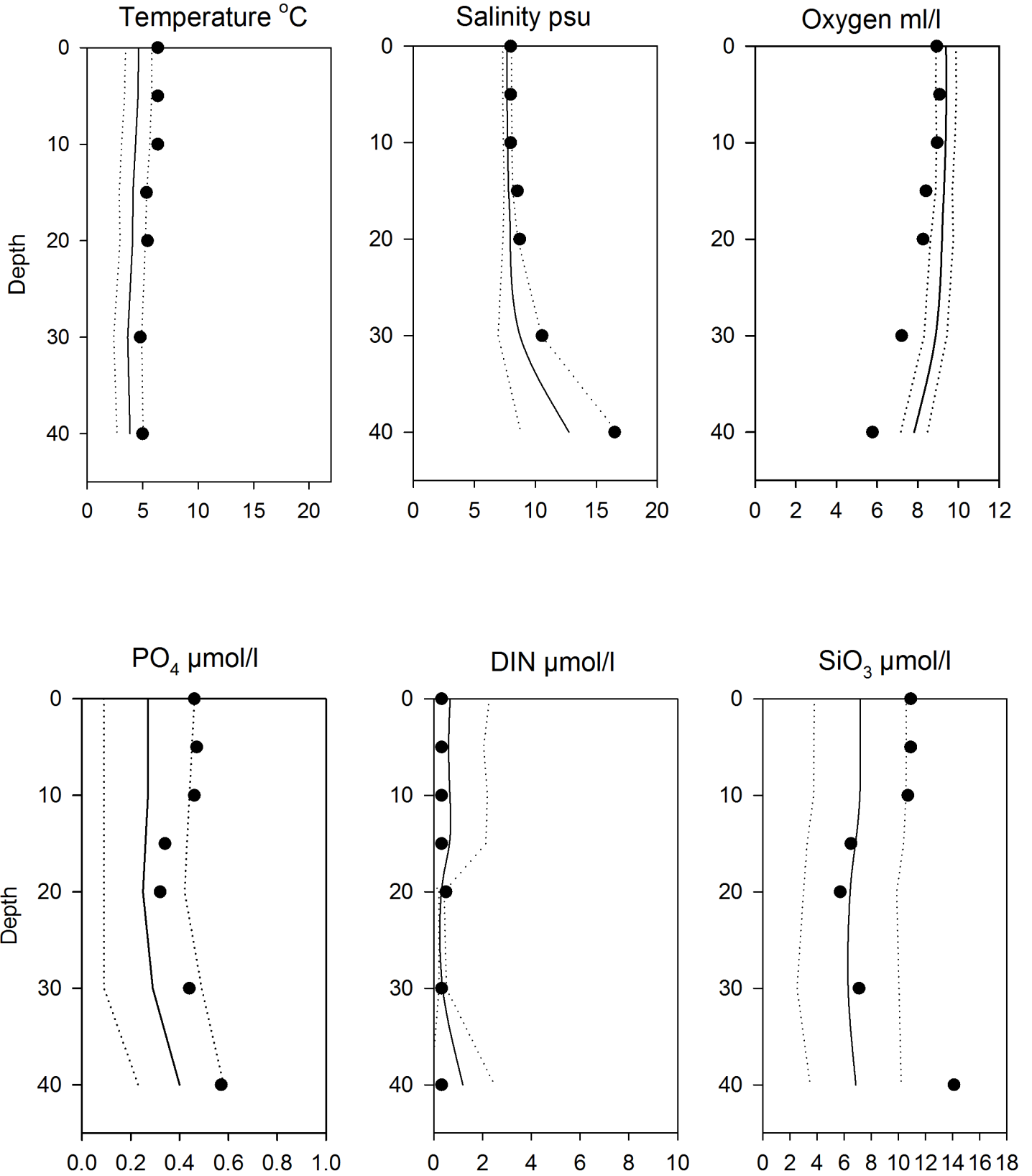


OXYGEN IN BOTTOM WATER (depth >40m)



Vertical profiles BY1 April

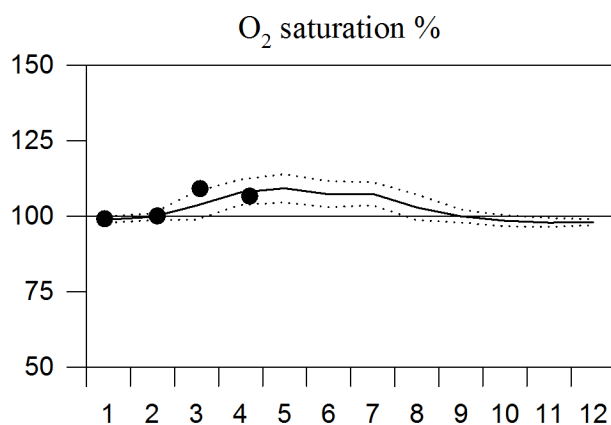
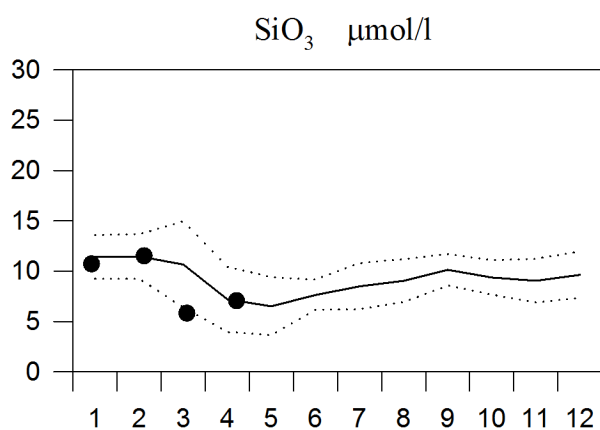
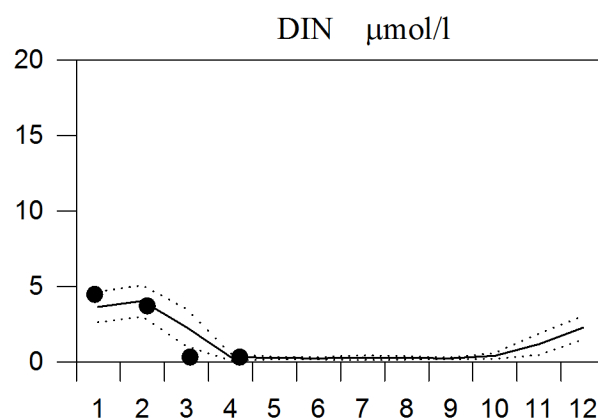
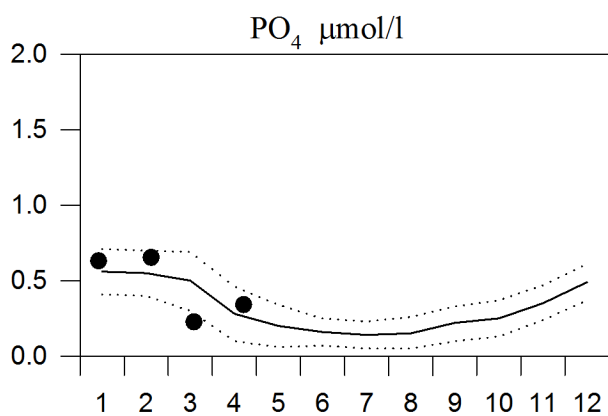
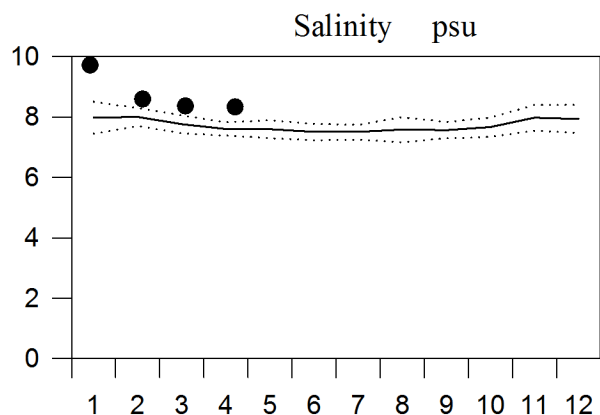
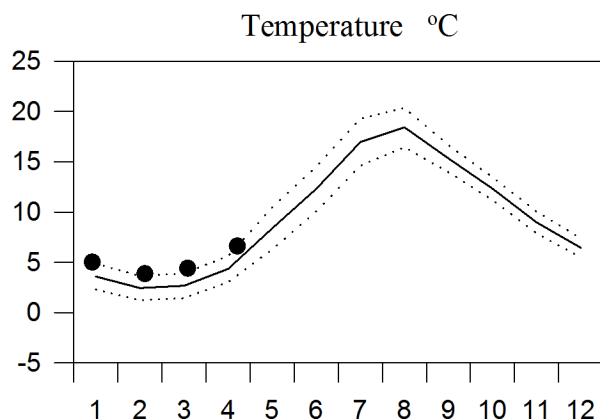
— Mean 1996-2010 St.Dev. ● 2015



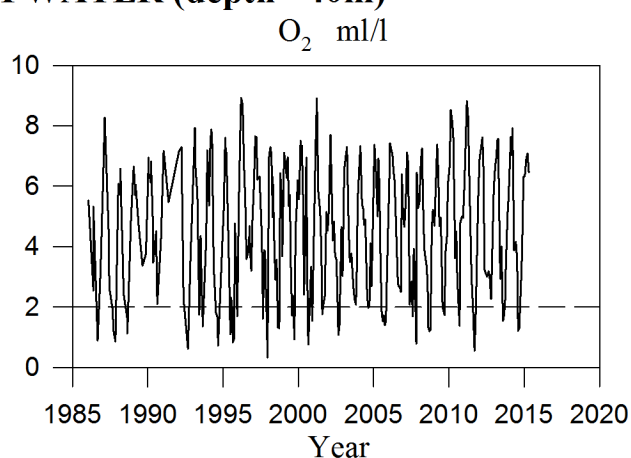
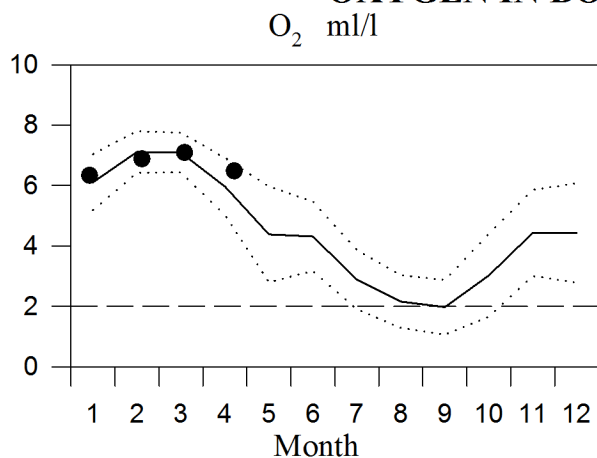
STATION BY2 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

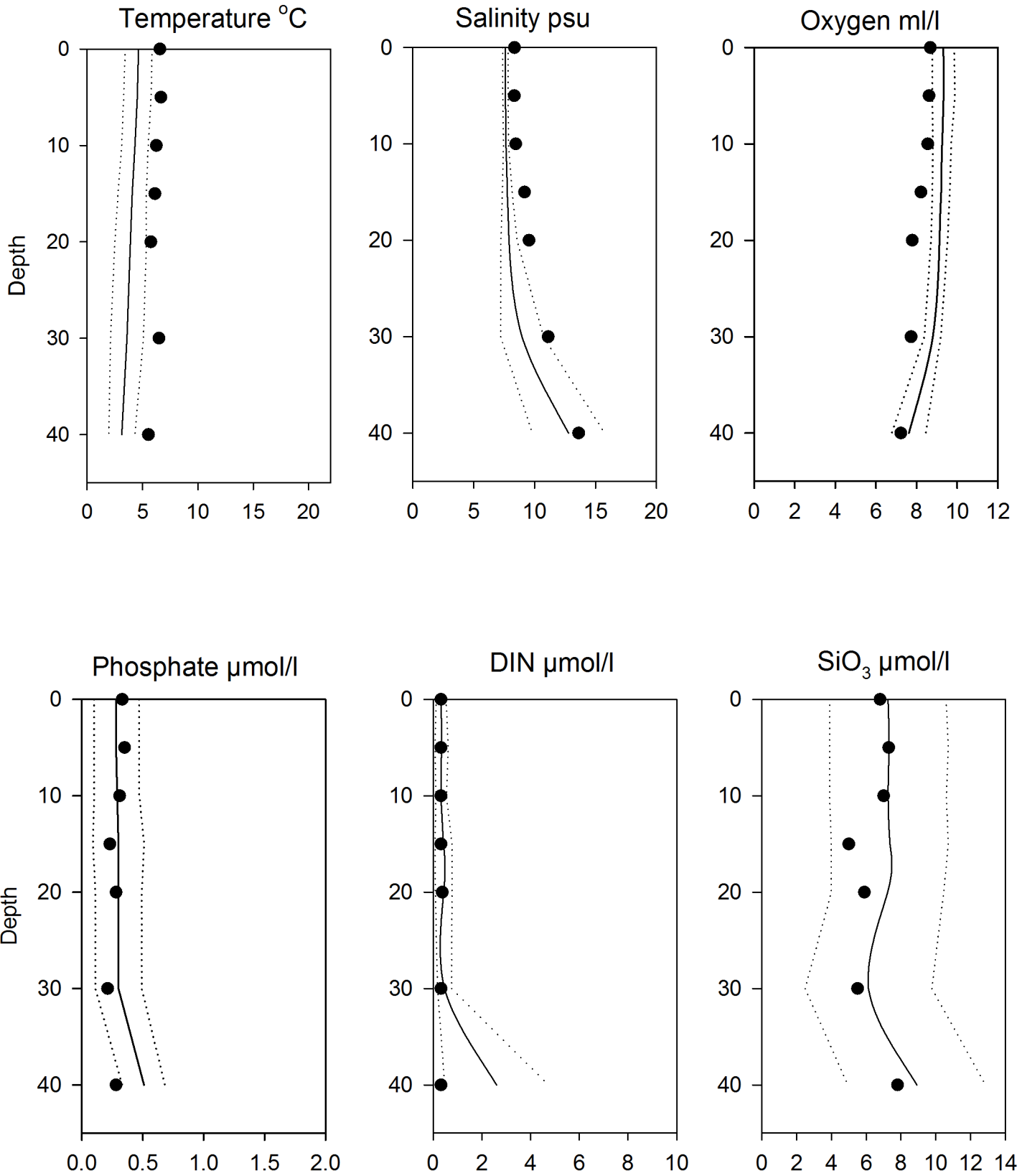


OXYGEN IN BOTTOM WATER (depth >40m)



Vertical profiles BY2 April

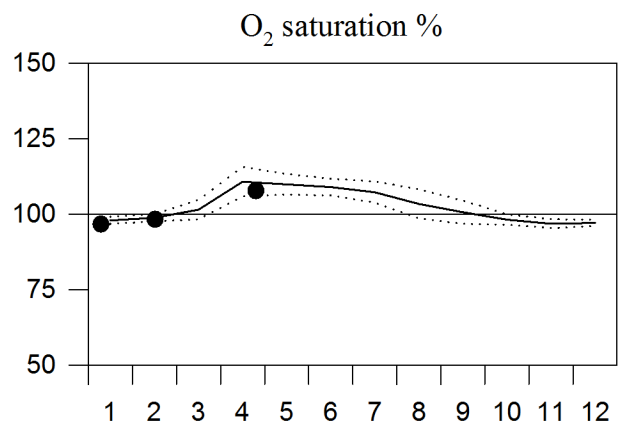
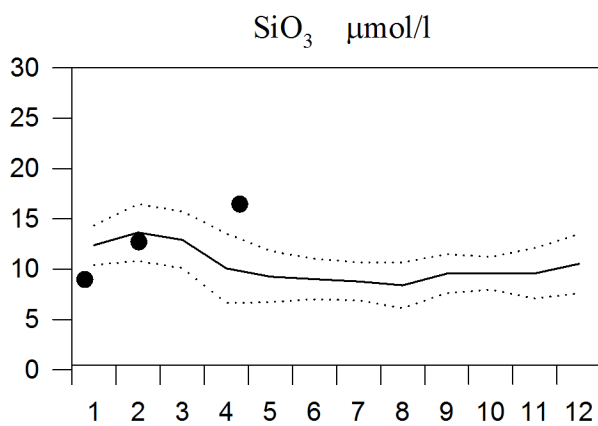
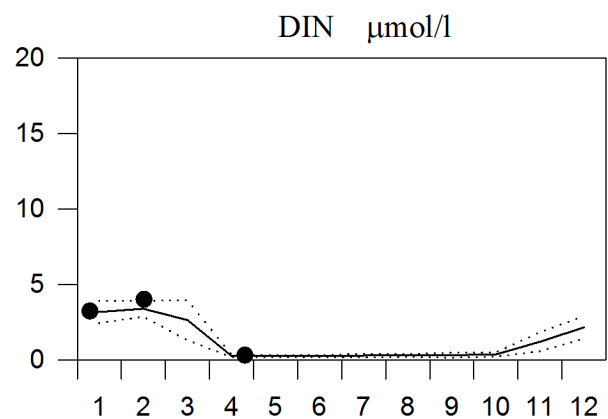
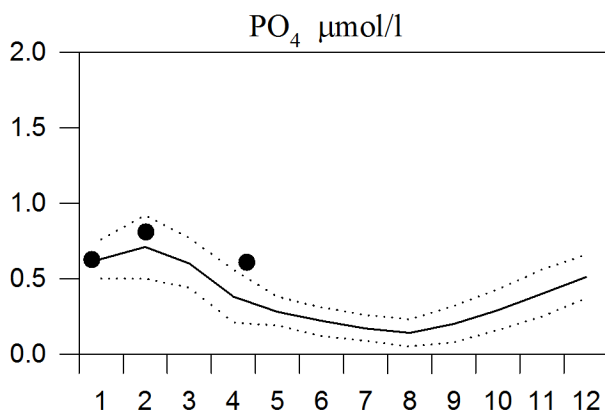
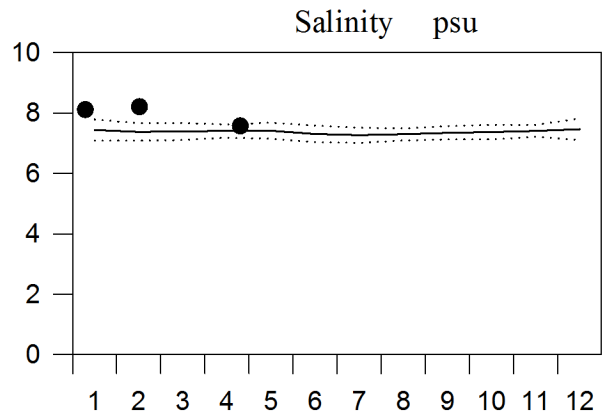
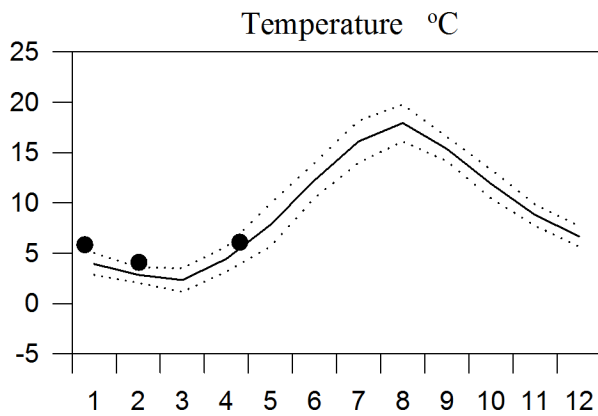
— Mean 1996-2010 St.Dev. ● 2015



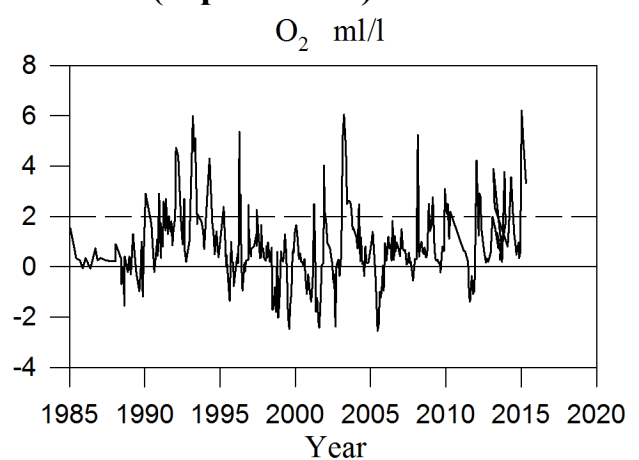
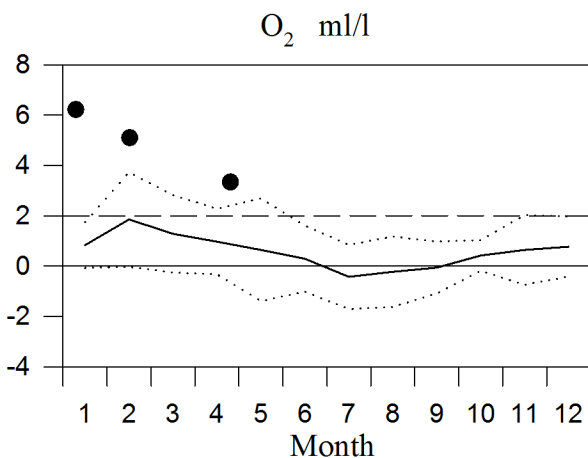
STATION HANÖBUKTEN SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

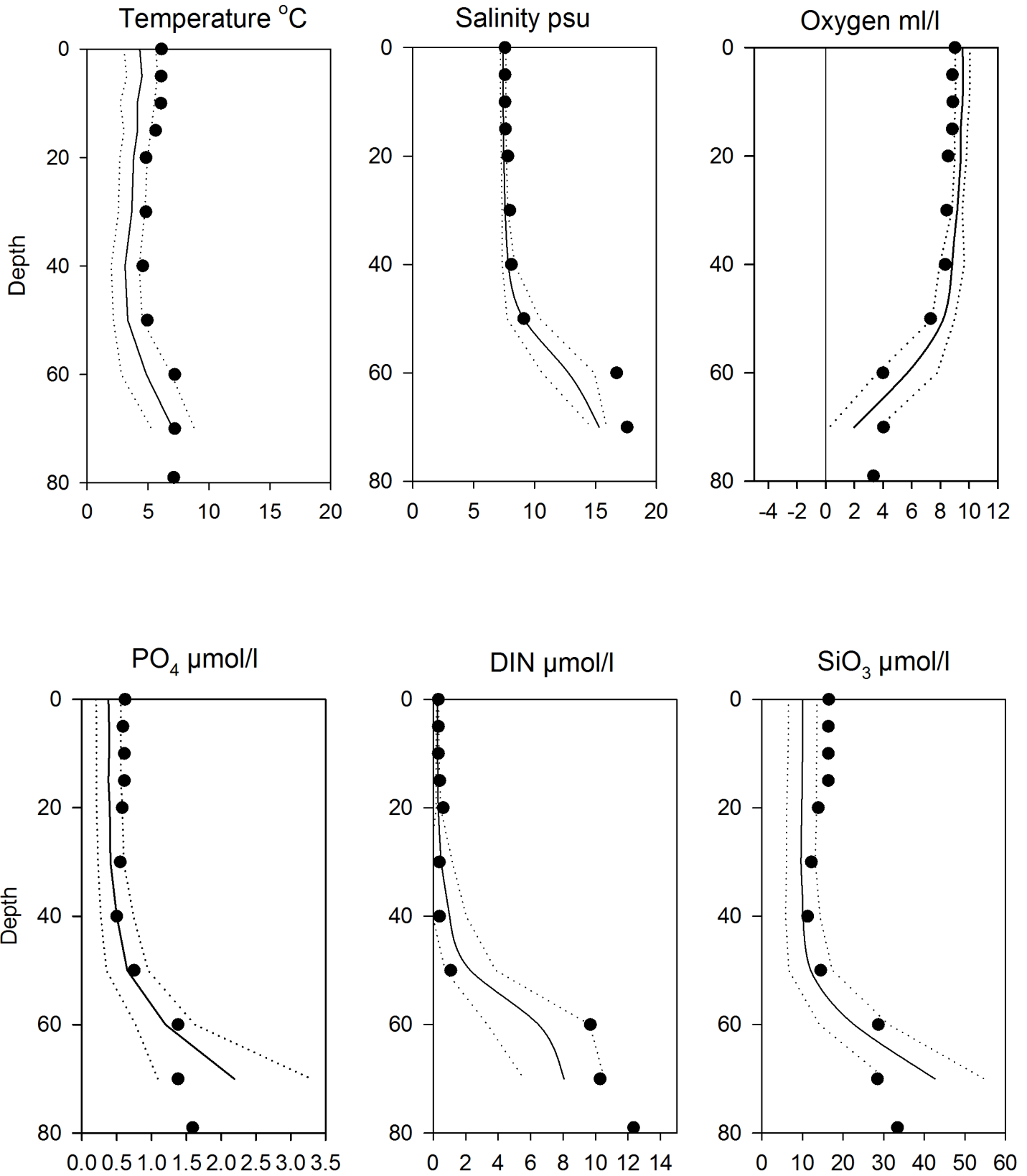


OXYGEN IN BOTTOM WATER (depth > 70m)



Vertical profiles Hanöbukten April

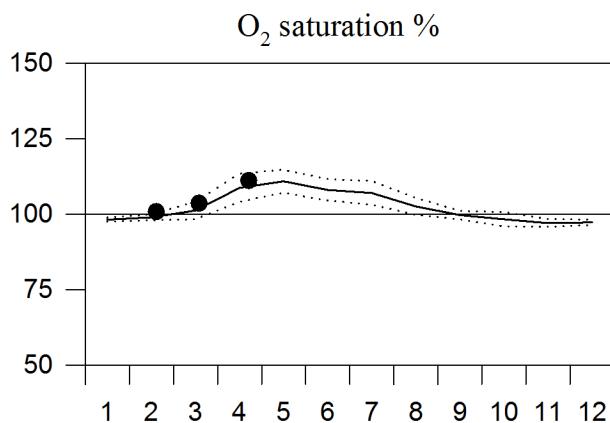
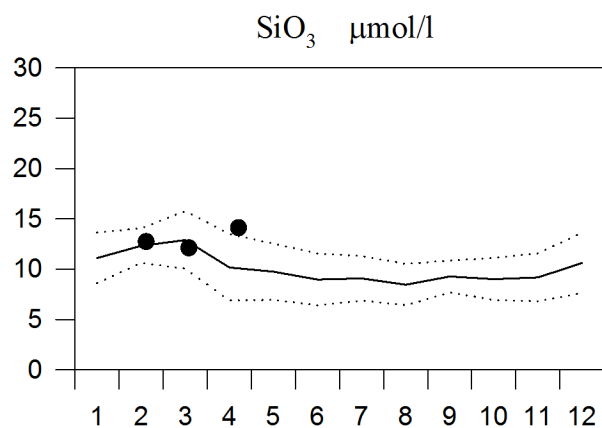
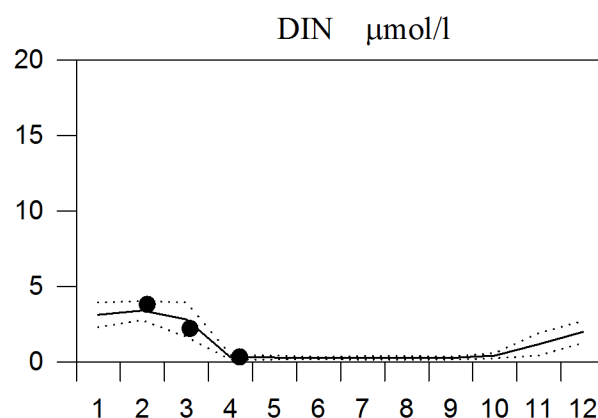
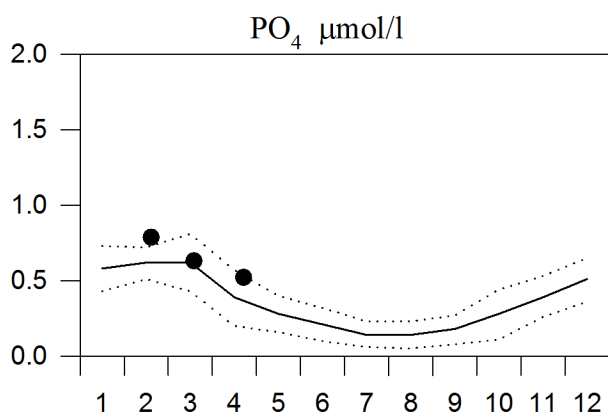
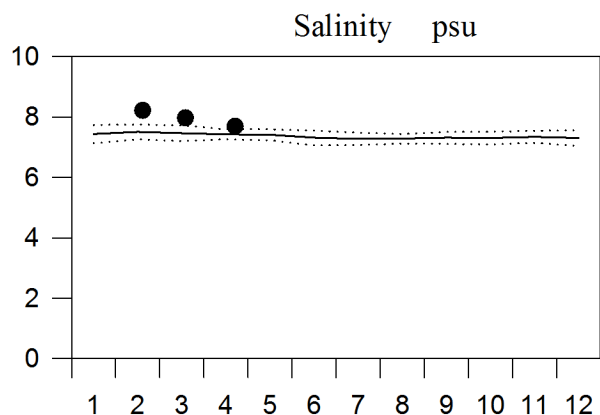
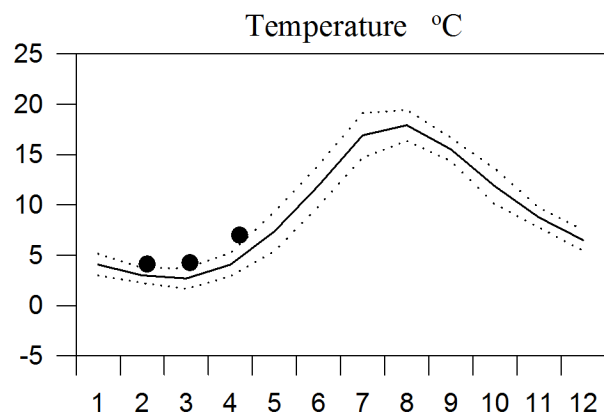
— Mean 1996-2010 St.Dev. ● 2015



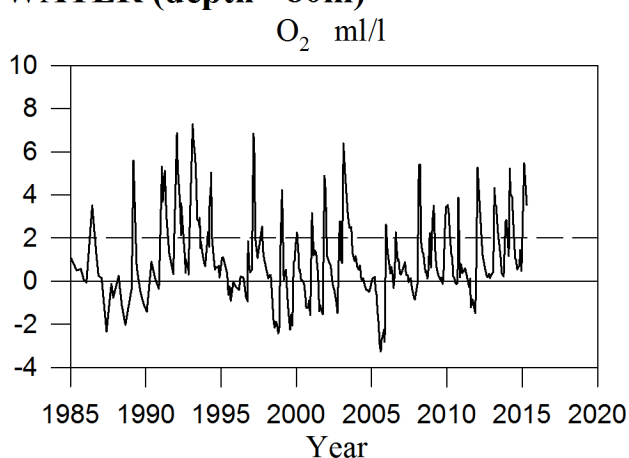
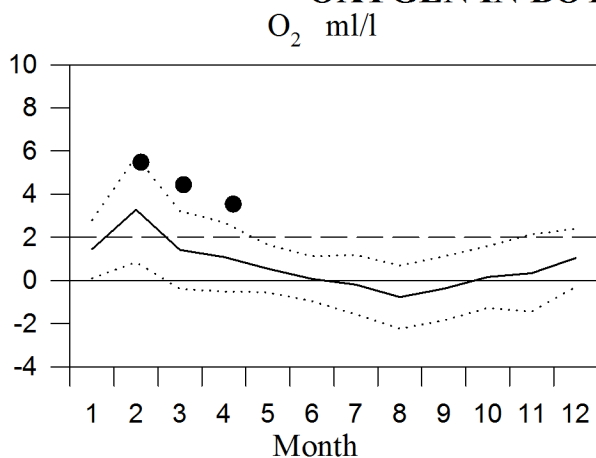
STATION BY4 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

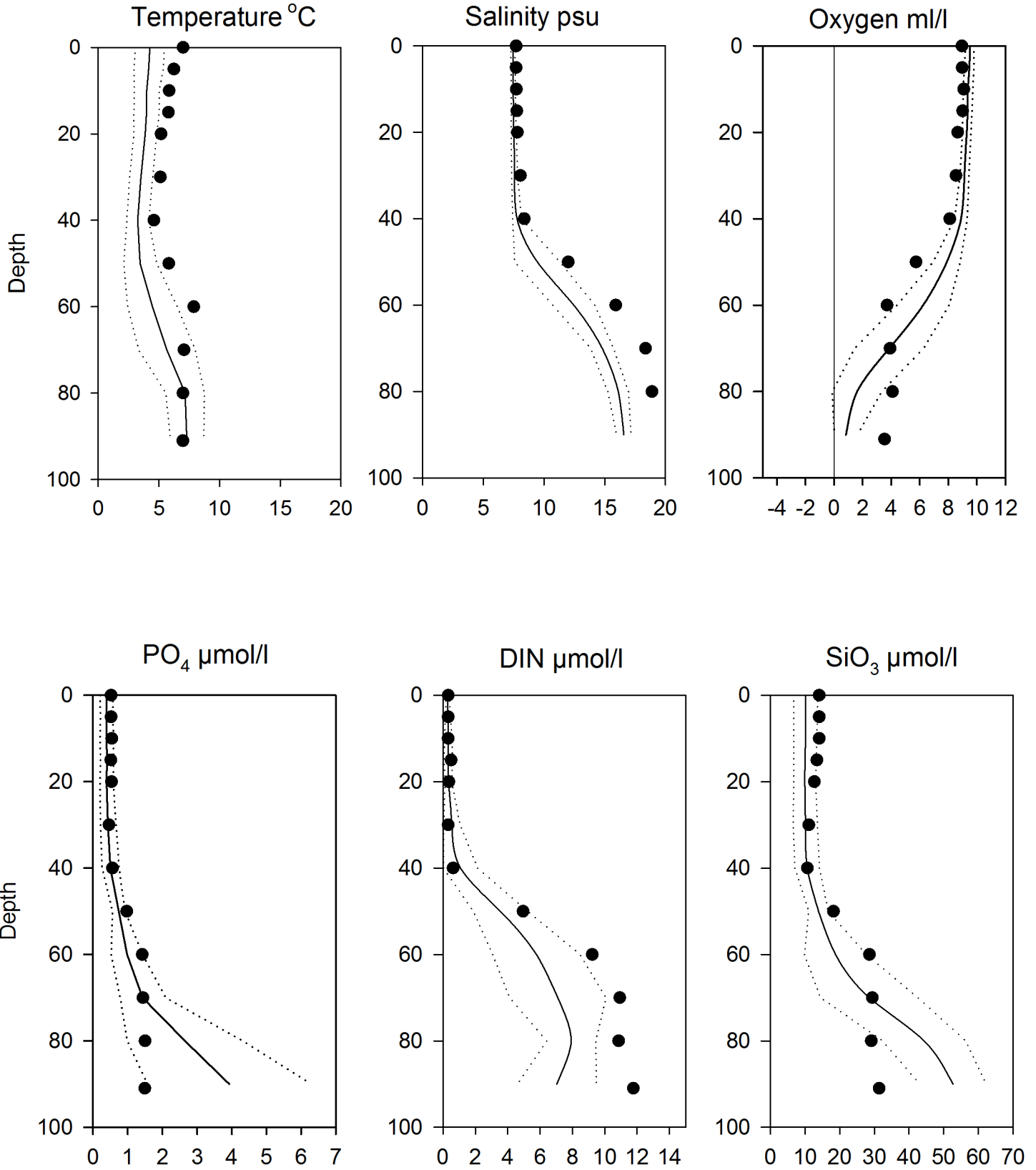


OXYGEN IN BOTTOM WATER (depth >80m)



Vertical profiles BY4 April

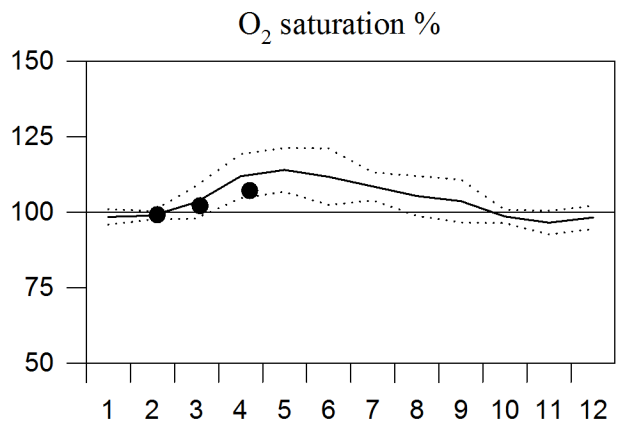
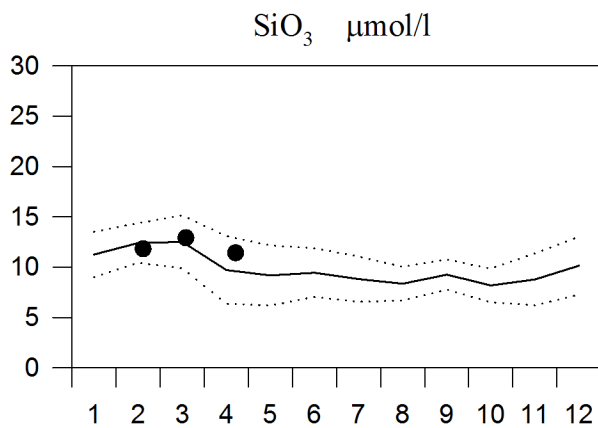
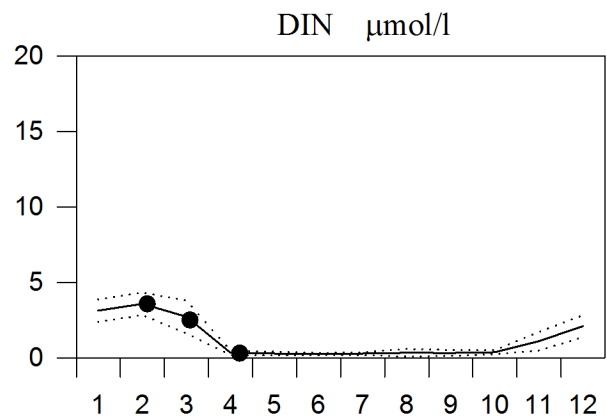
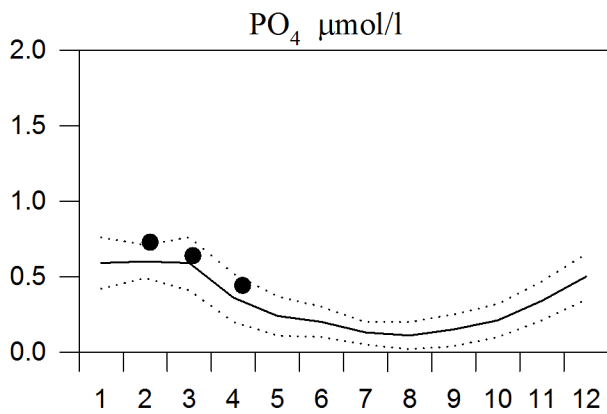
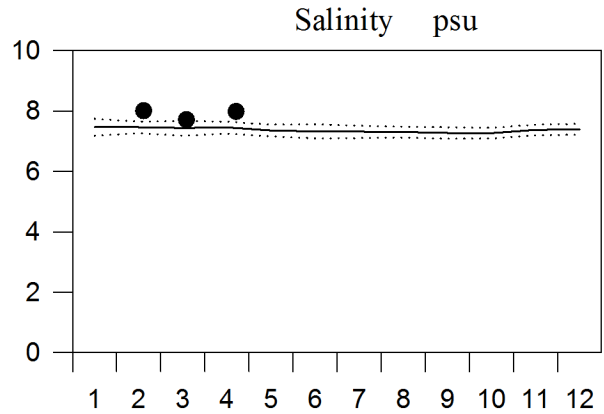
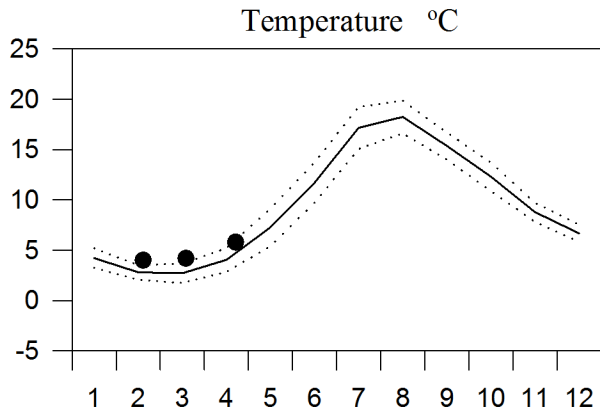
— Mean 1996-2010 St.Dev. ● 2015



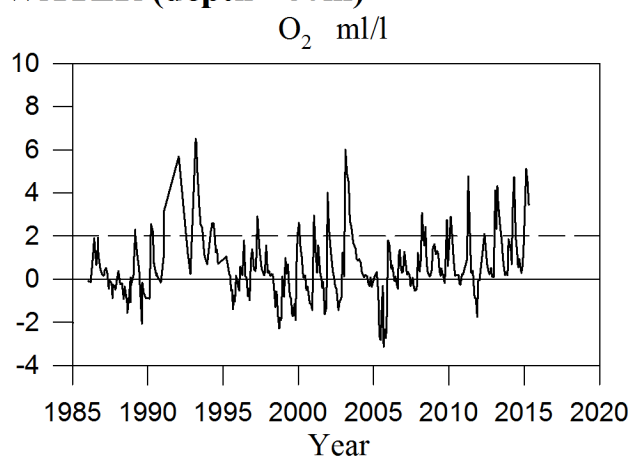
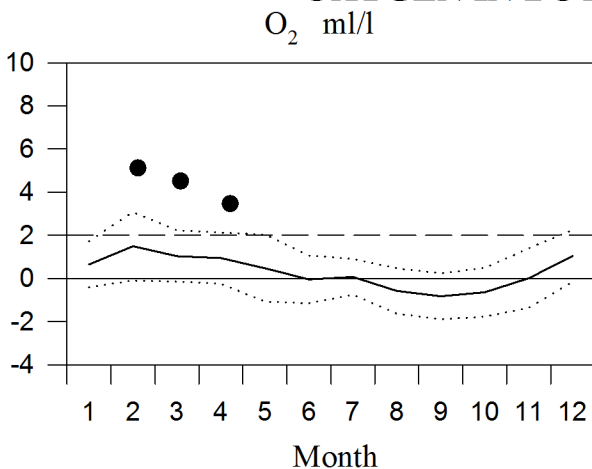
STATION BY5 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

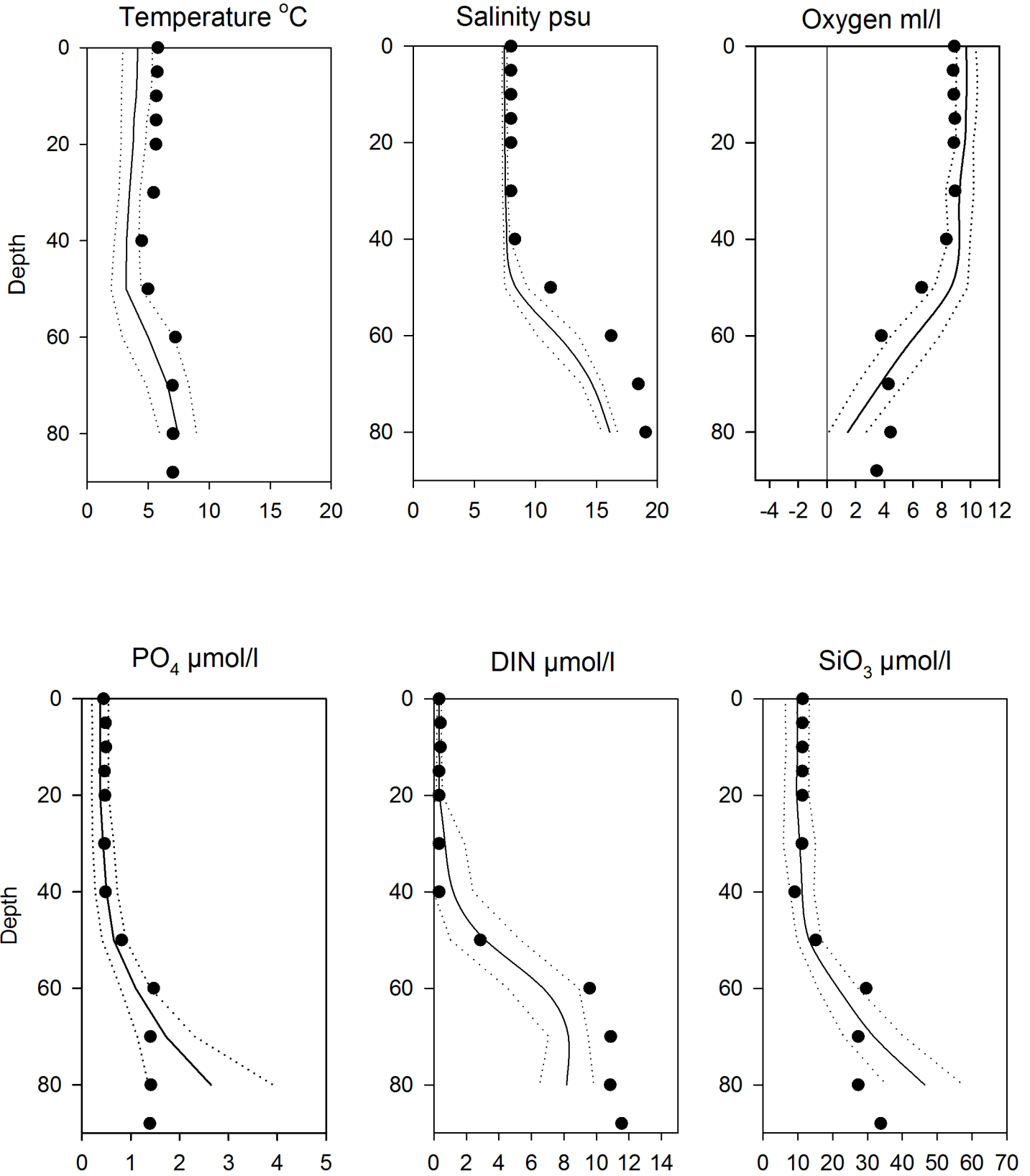


OXYGEN IN BOTTOM WATER (depth >80m)



Vertical profiles BY5 April

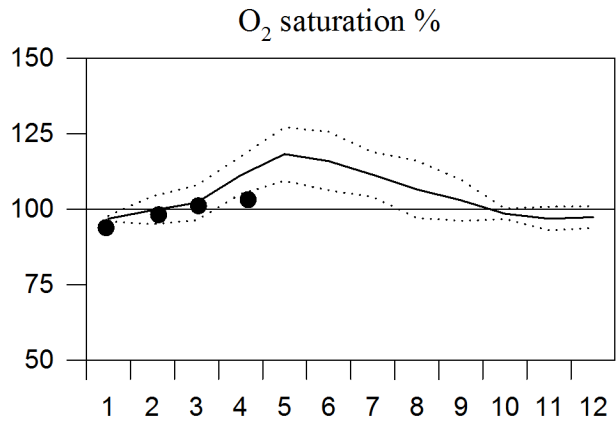
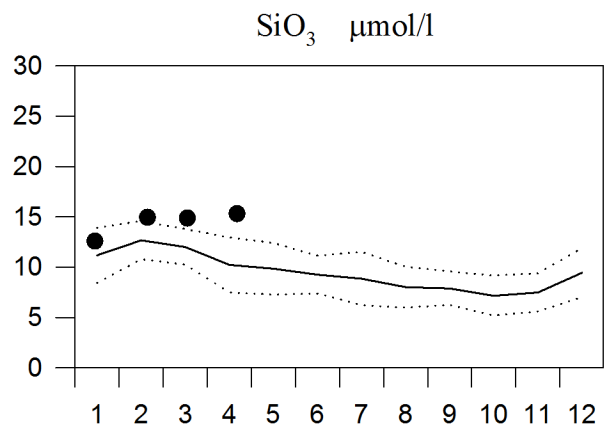
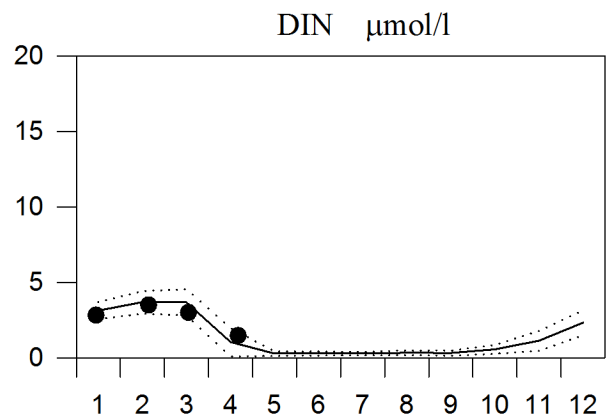
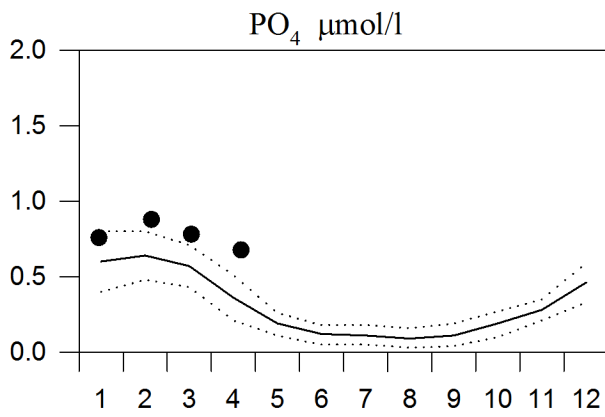
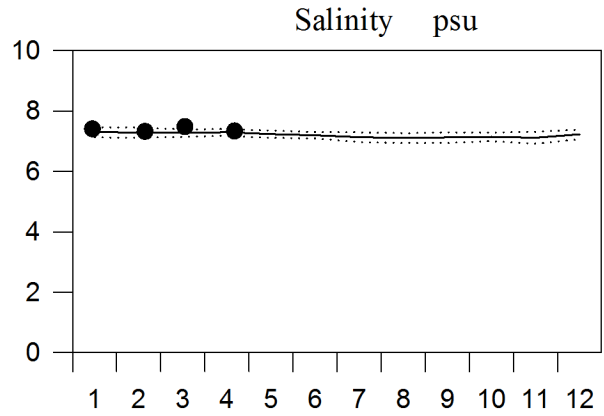
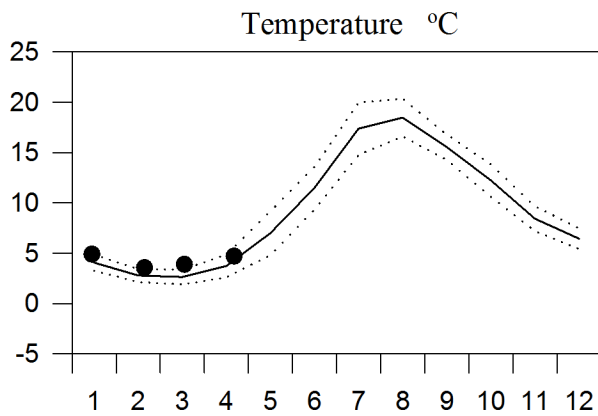
— Mean 1996-2010 St.Dev. ● 2015



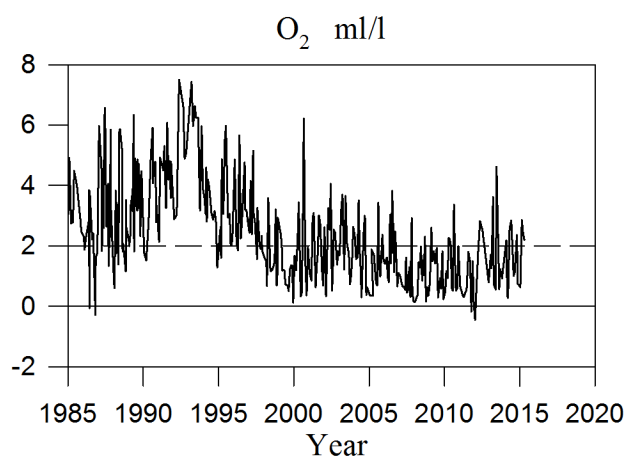
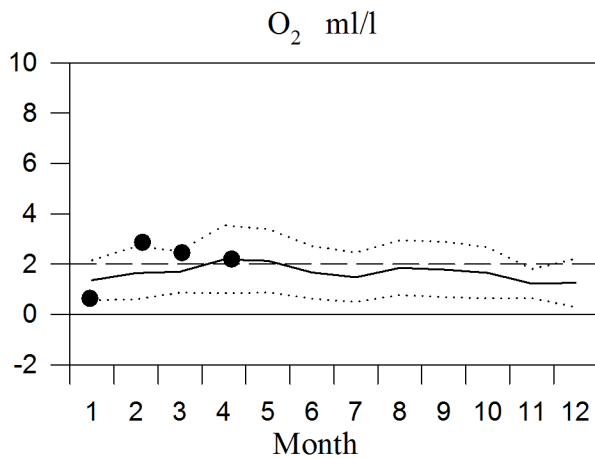
STATION BCS III-10 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

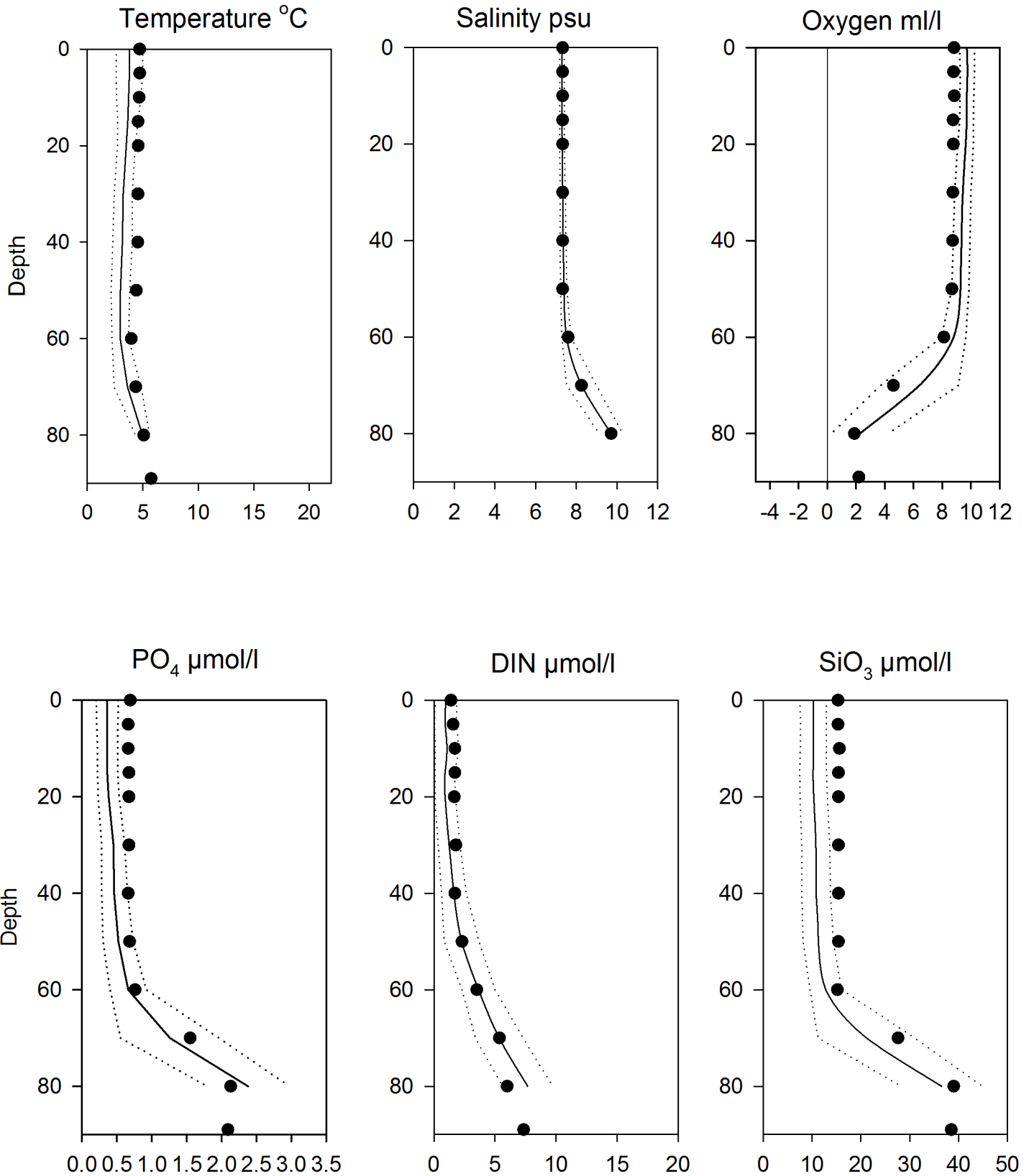


OXYGEN IN BOTTOM WATER (depth > 80m)



Vertical profiles BCS III-10 April

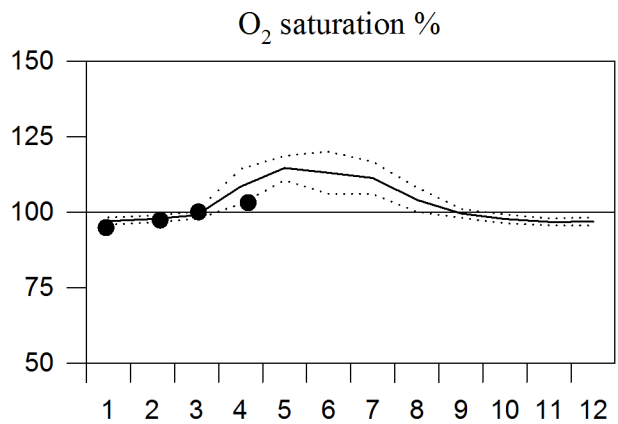
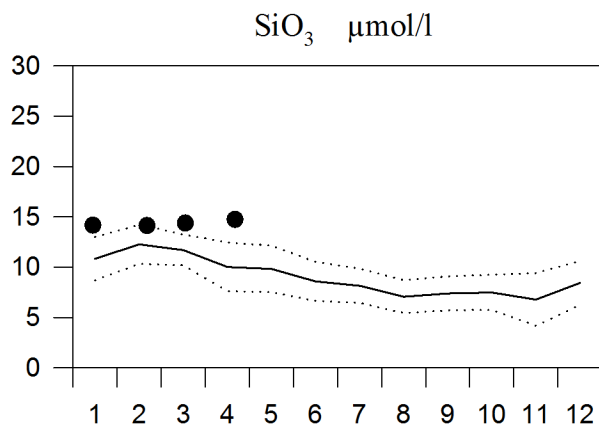
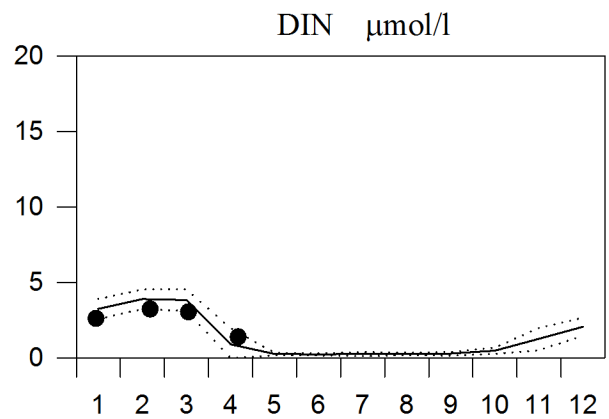
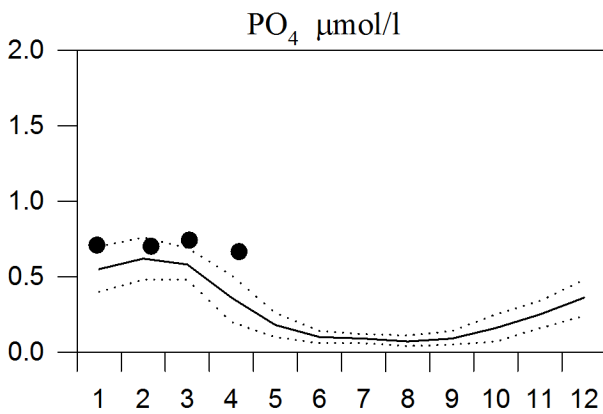
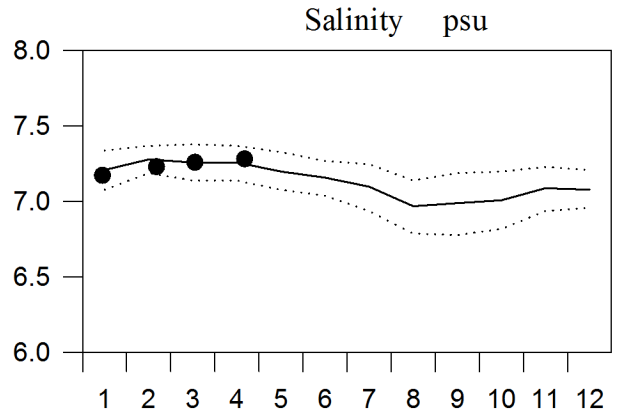
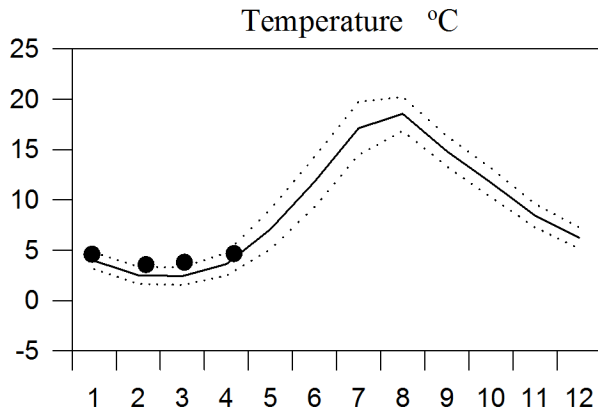
— Mean 1996-2010 St.Dev. ● 2015



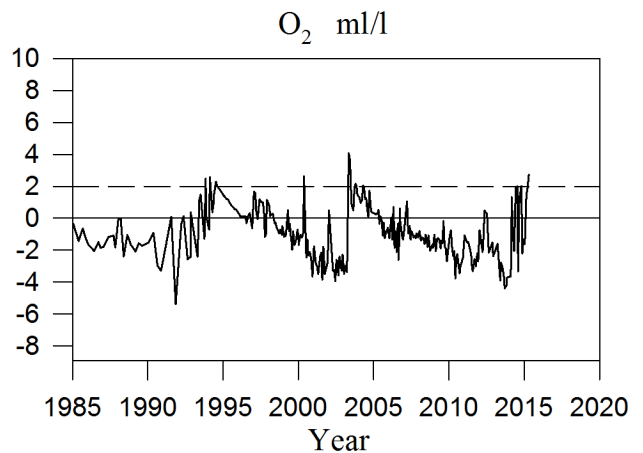
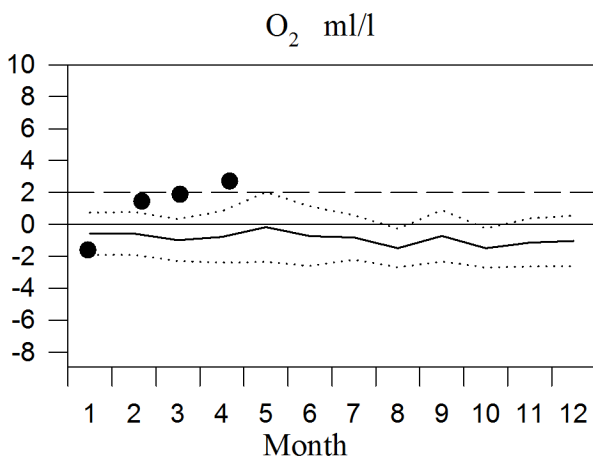
STATION BY10 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015



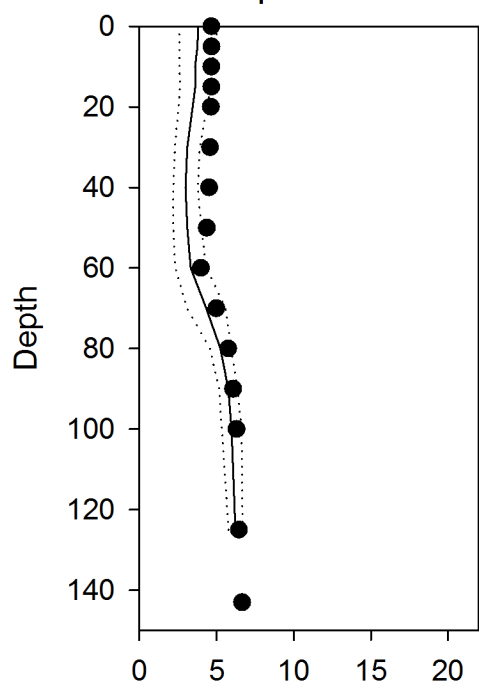
OXYGEN IN BOTTOM WATER (depth >125m)



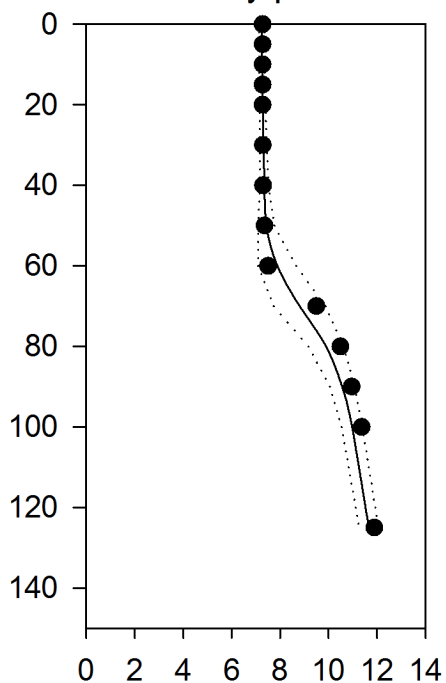
Vertical profiles BY10 April

— Mean 1996-2010 St.Dev. ● 2015

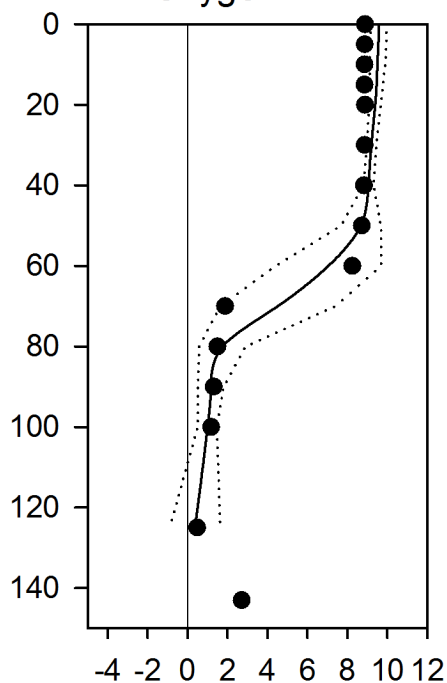
Temperature °C



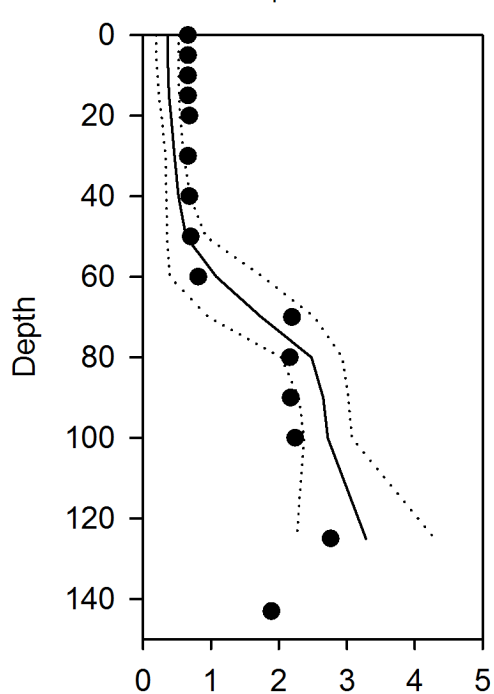
Salinity psu



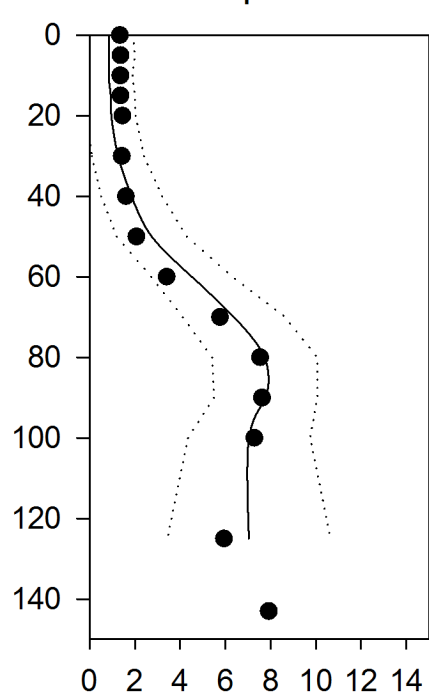
Oxygen ml/l



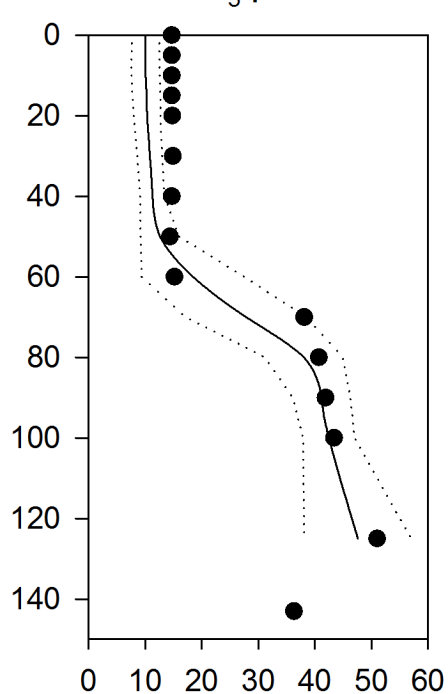
PO₄ μmol/l



DIN μmol/l



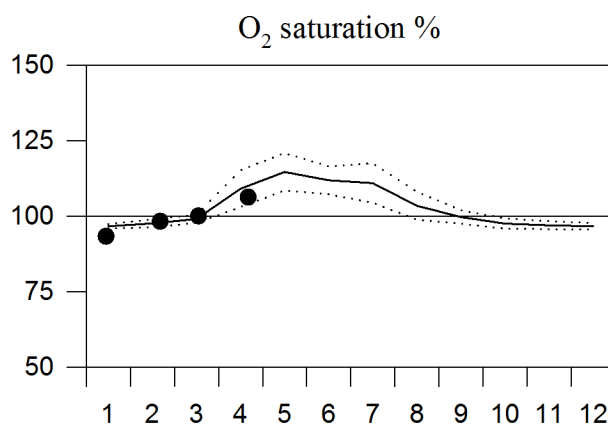
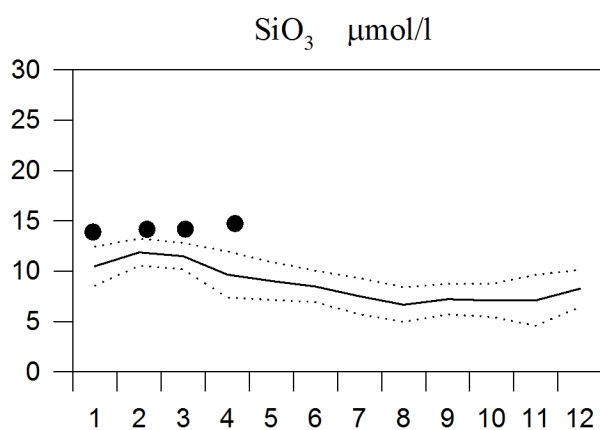
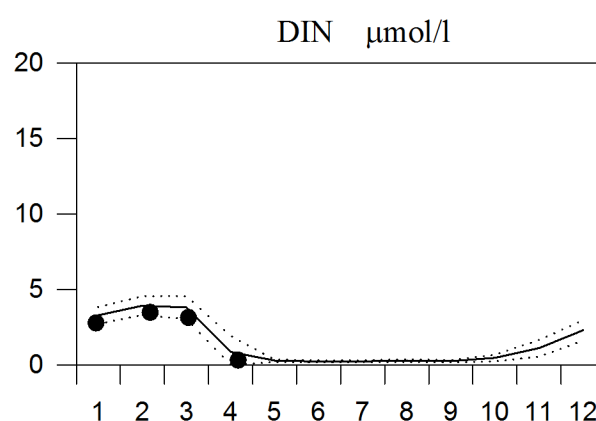
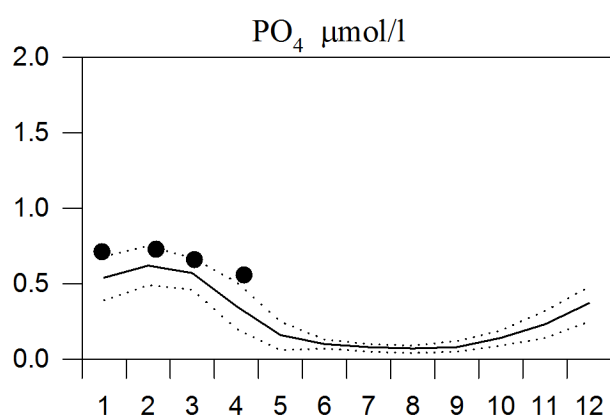
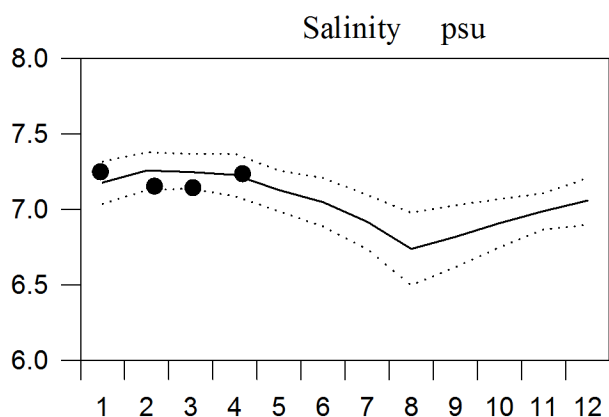
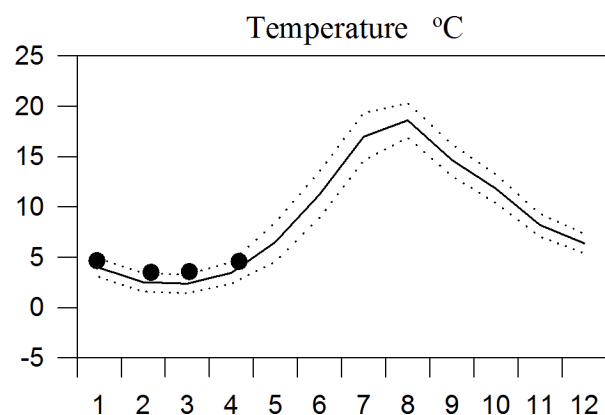
SiO₃ μmol/l



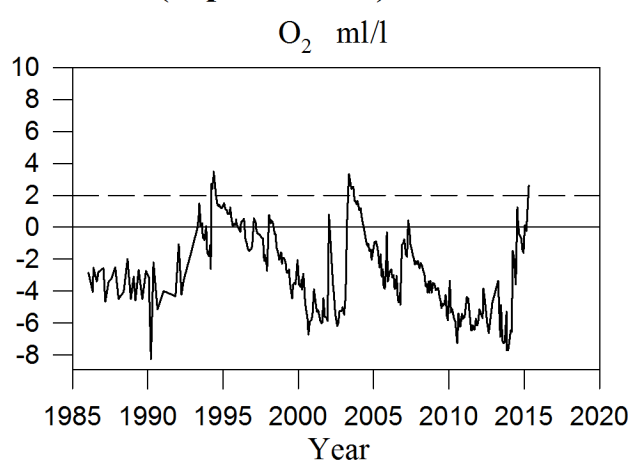
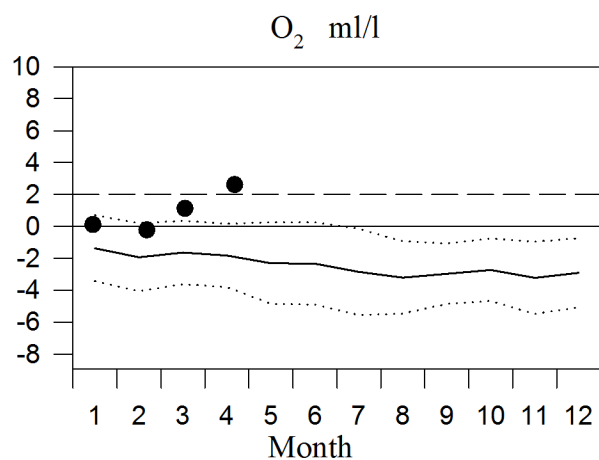
STATION BY15 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

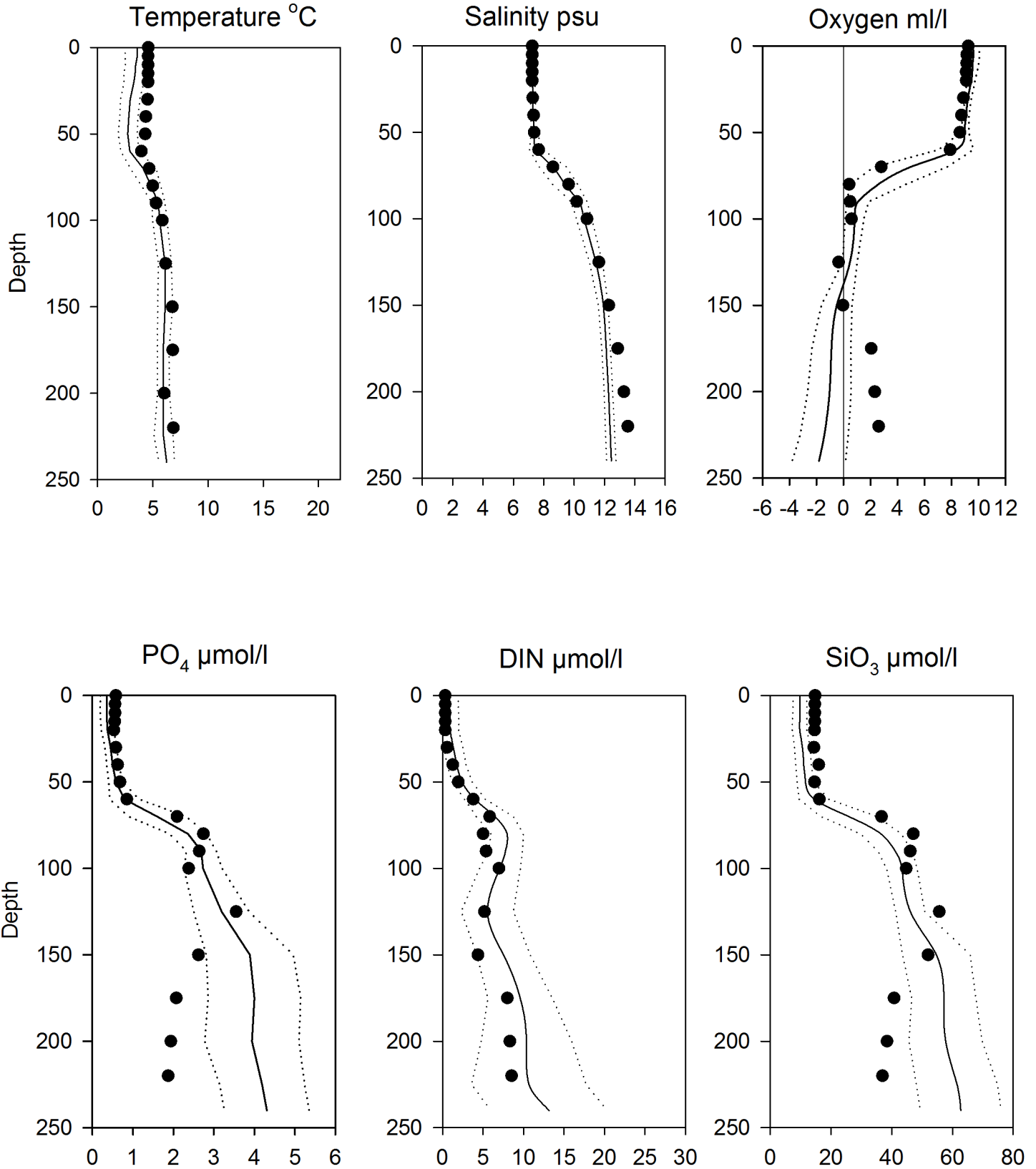


OXYGEN IN BOTTOM WATER (depth >225m)



Vertical profiles BY15 April

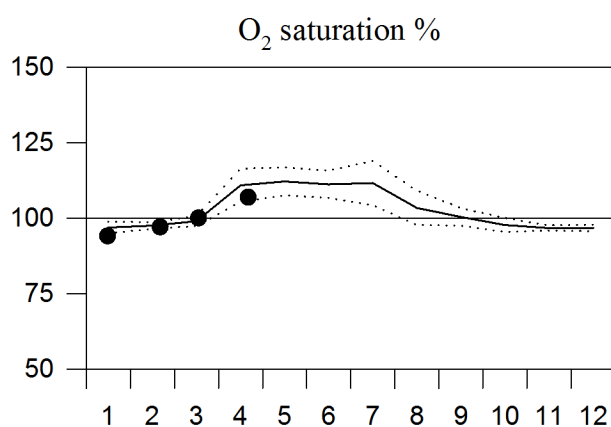
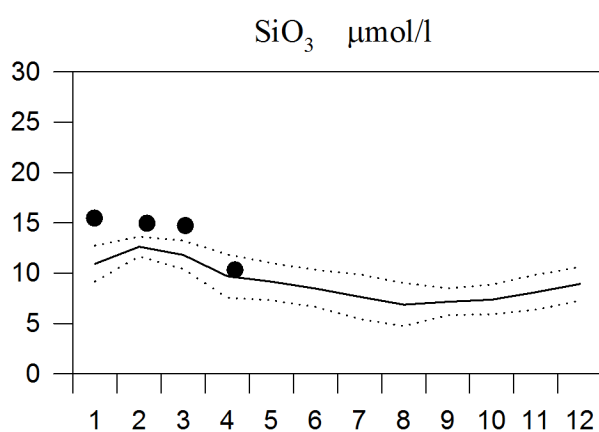
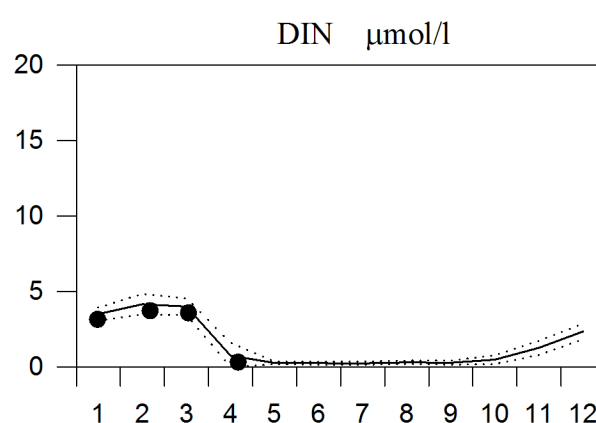
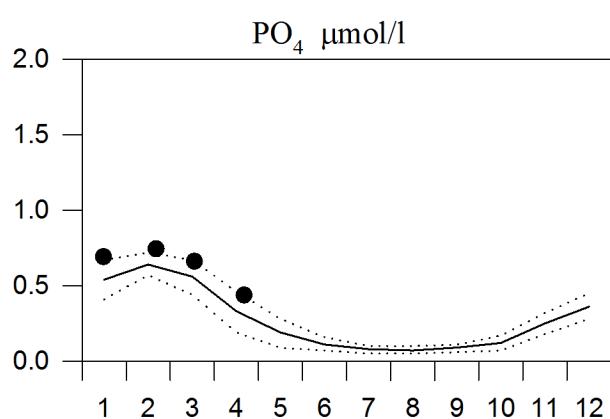
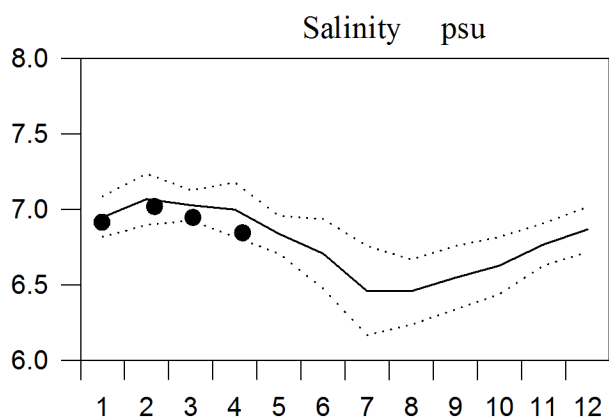
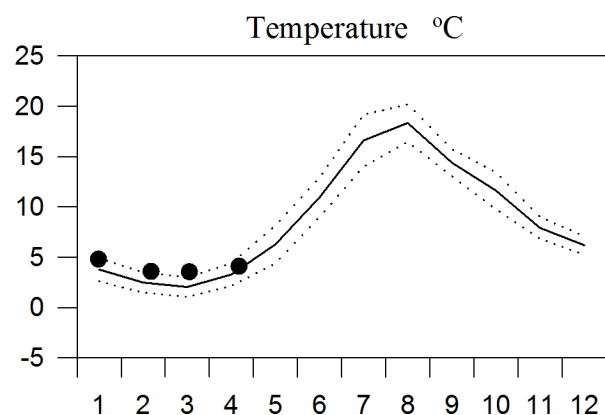
— Mean 1996-2010 St.Dev. ● 2015



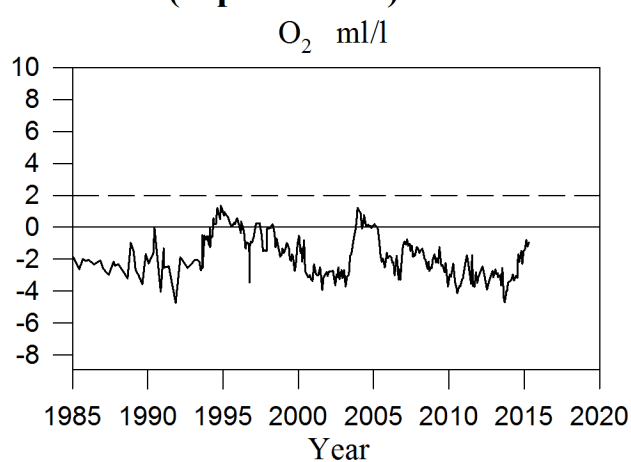
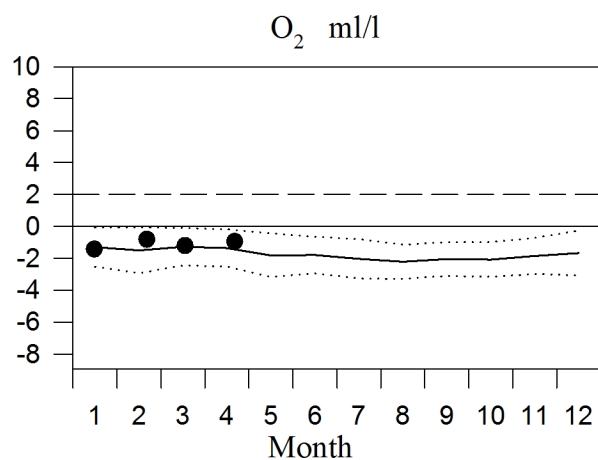
STATION BY20 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015



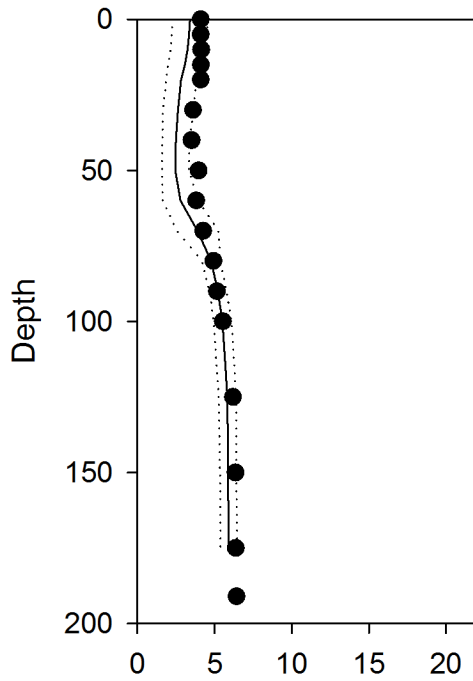
OXYGEN IN BOTTOM WATER (depth >175m)



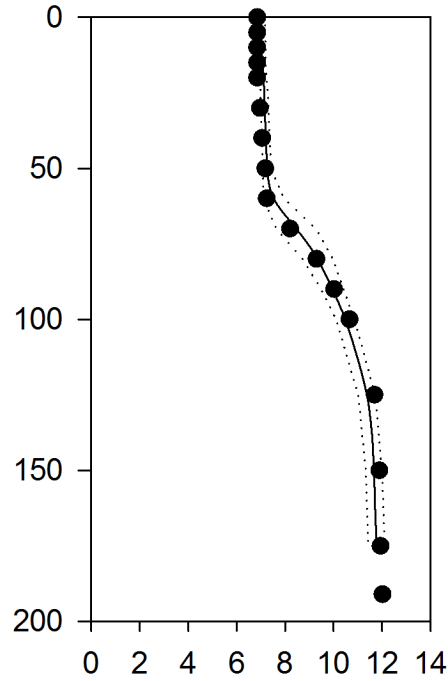
Vertical profiles BY20 April

— Mean 1996-2010 St.Dev. ● 2015

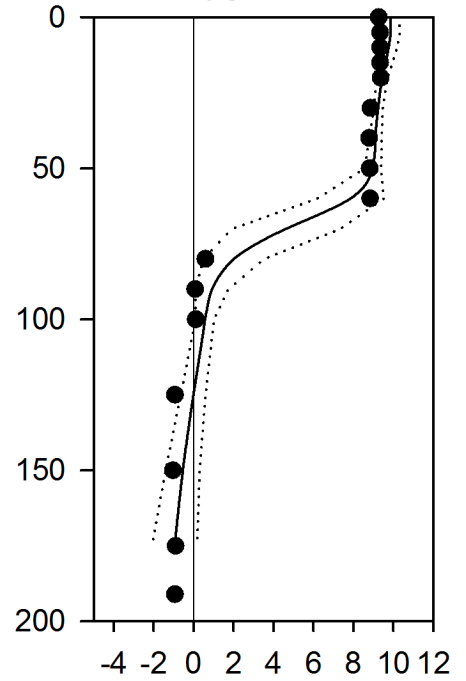
Temperature °C



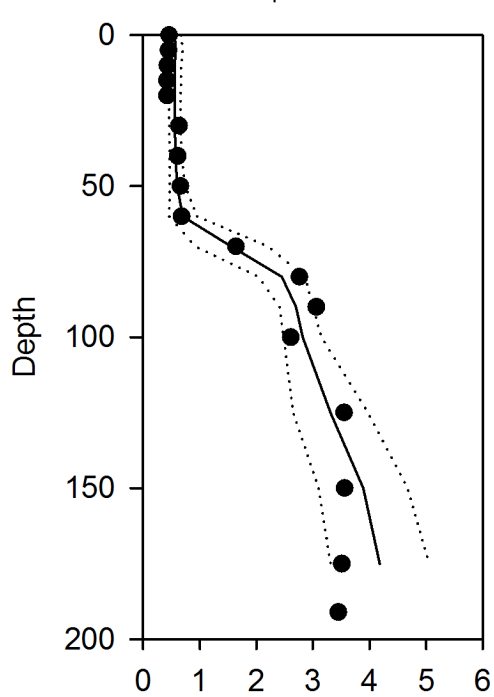
Salinity psu



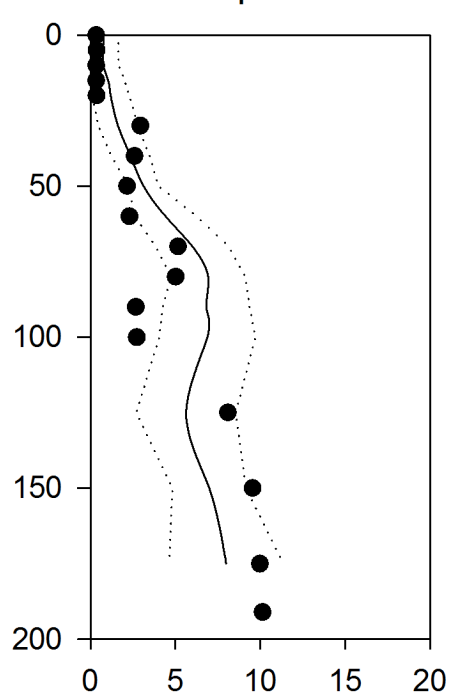
Oxygen ml/l



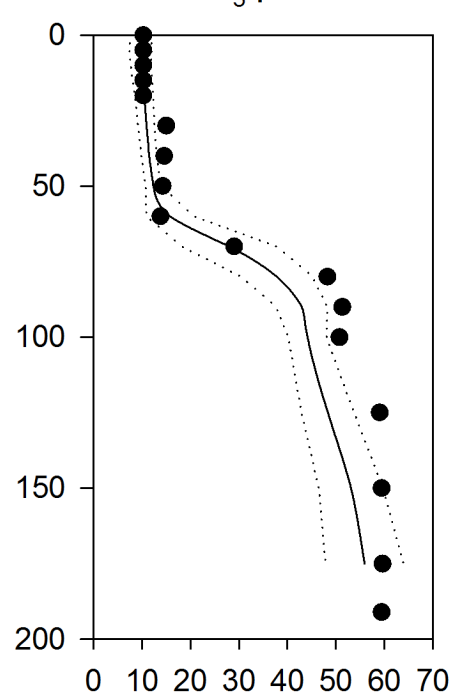
PO₄ μmol/l



DIN μmol/L



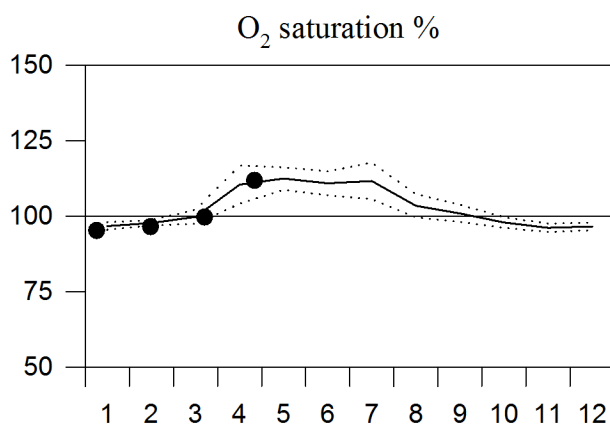
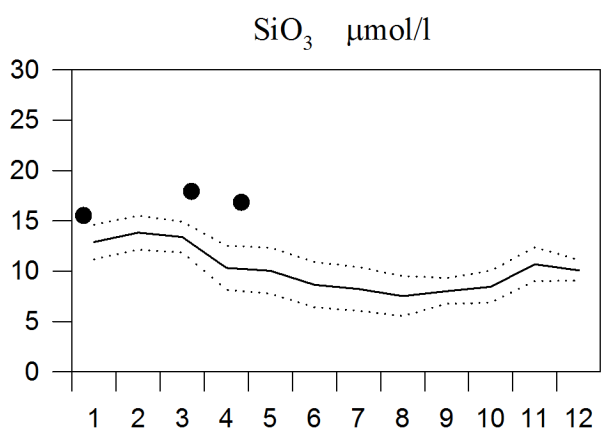
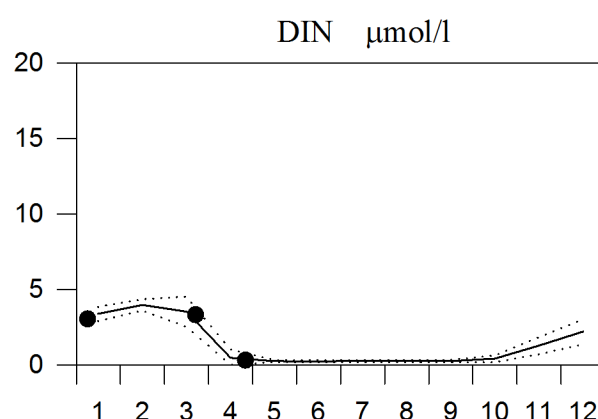
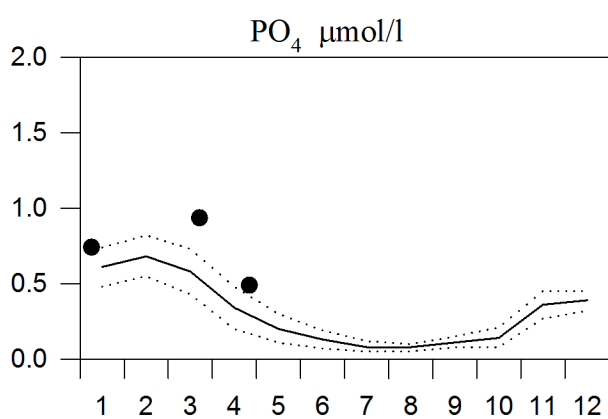
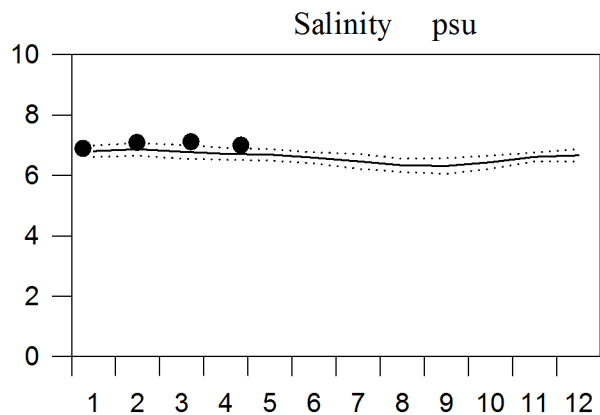
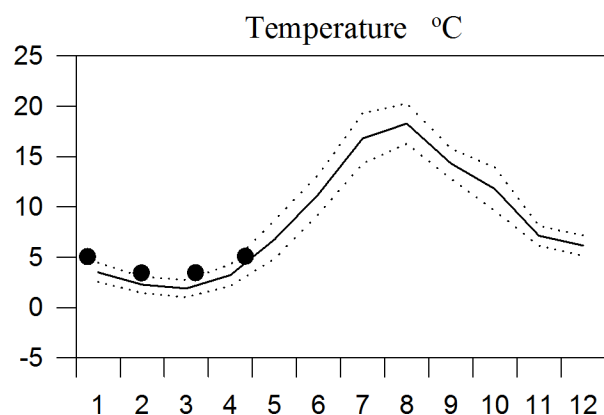
SiO₃ μmol/l



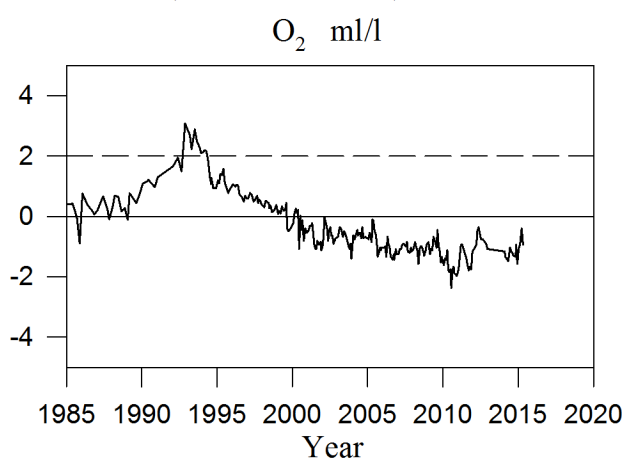
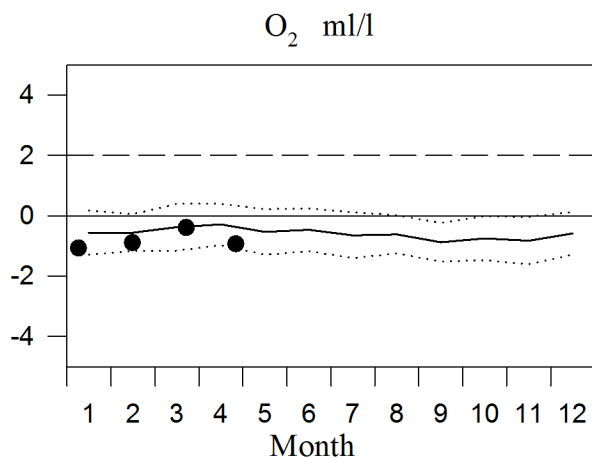
STATION BY32 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015



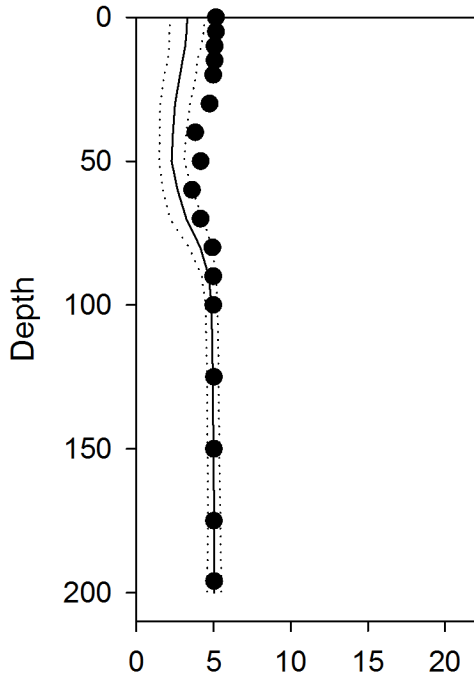
OXYGEN IN BOTTOM WATER (depth > 175m)



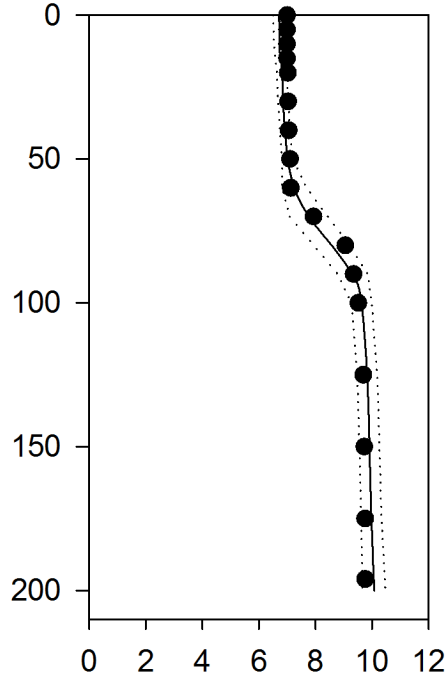
Vertical profiles BY32 April

— Mean 1996-2010 St.Dev. ● 2015

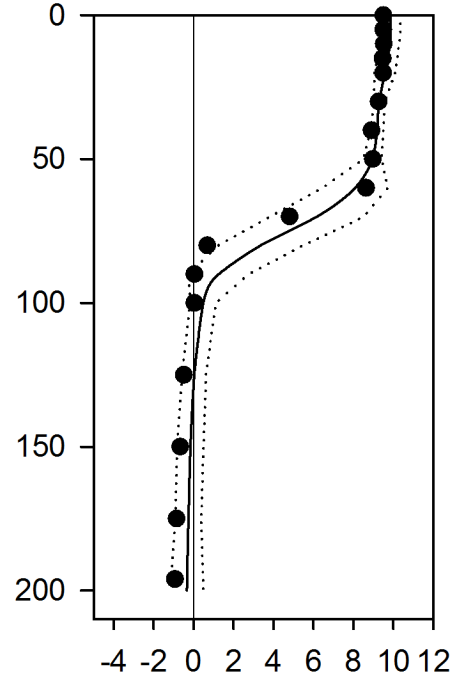
Temperature °C



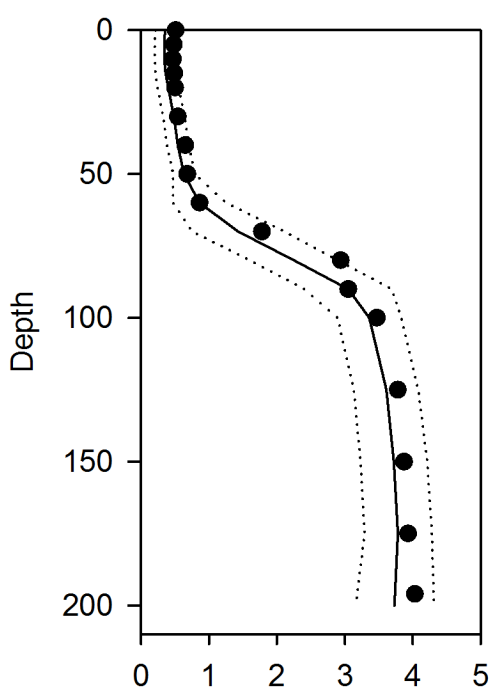
Salinity psu



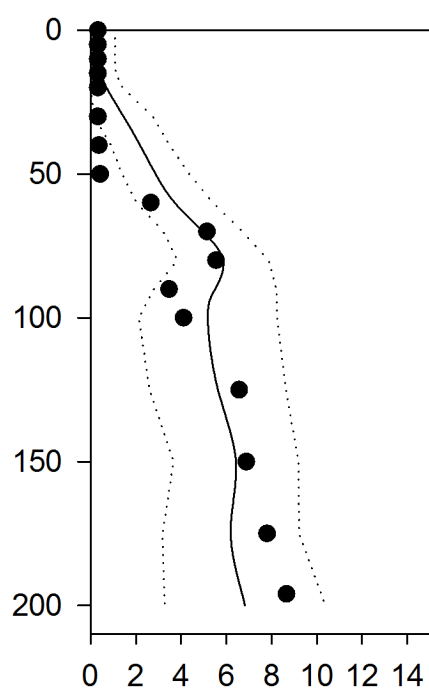
Oxygen ml/l



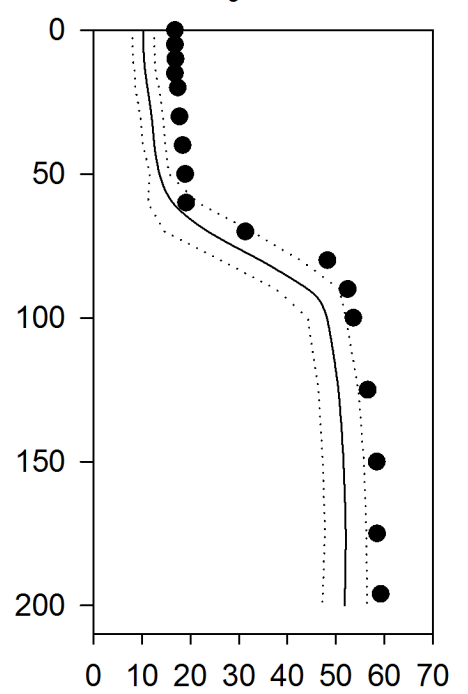
PO₄ μmol/l



DIN μmol/l



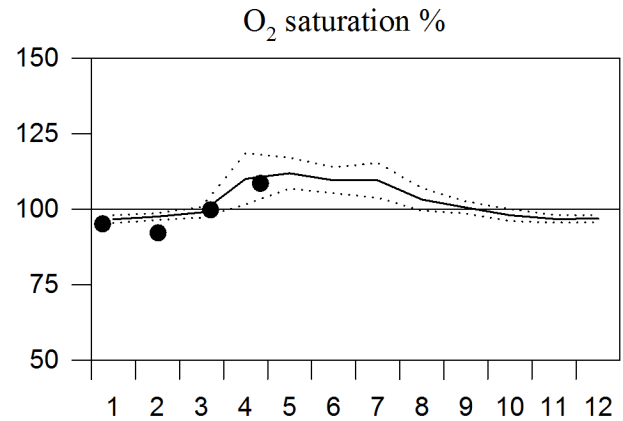
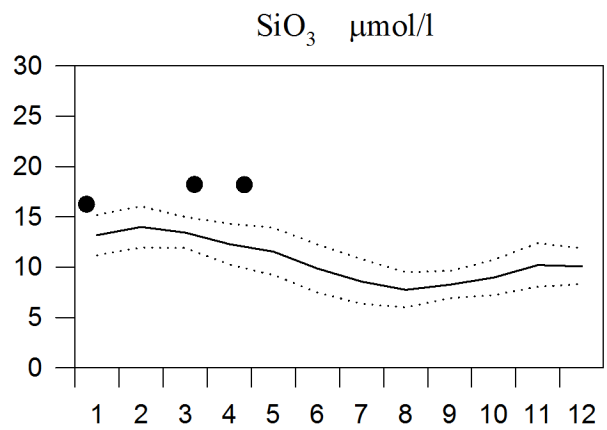
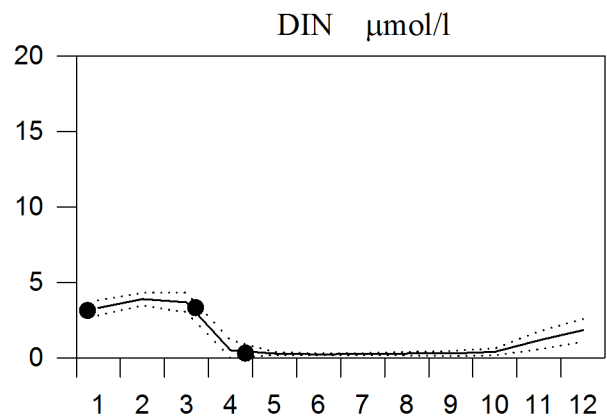
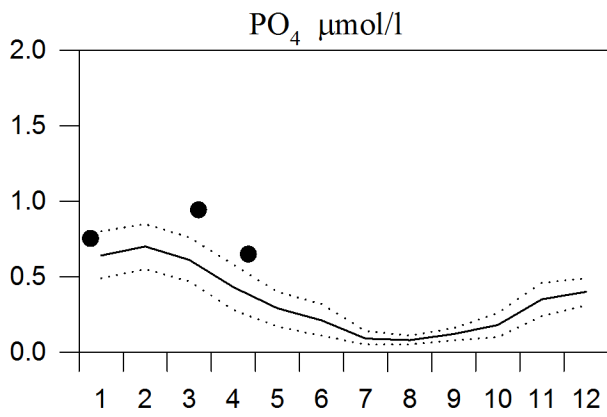
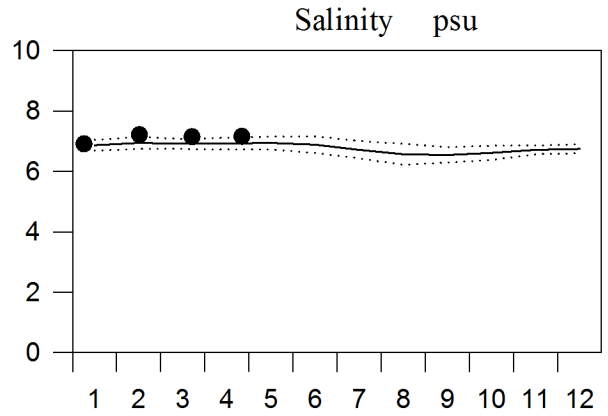
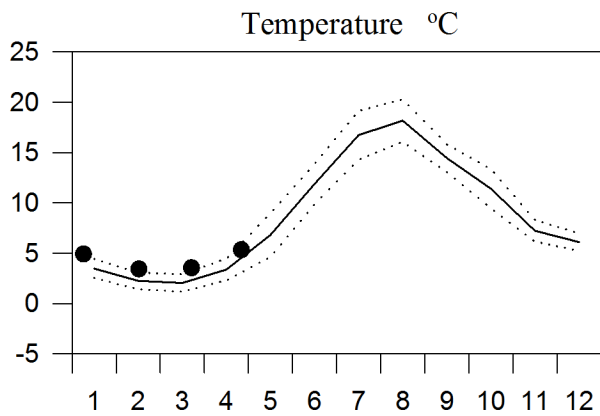
SiO₃ μmol/l



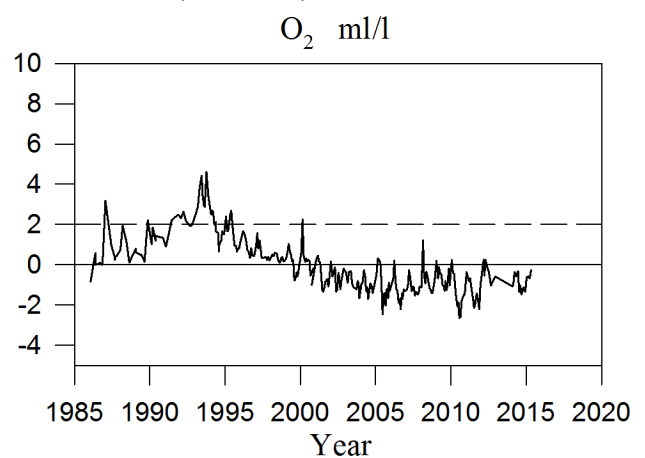
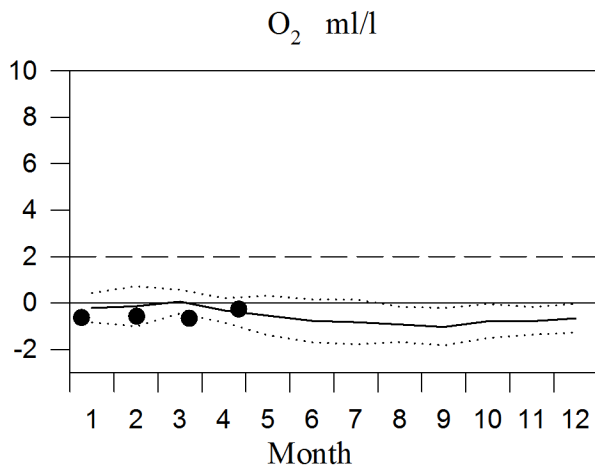
STATION BY38 SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

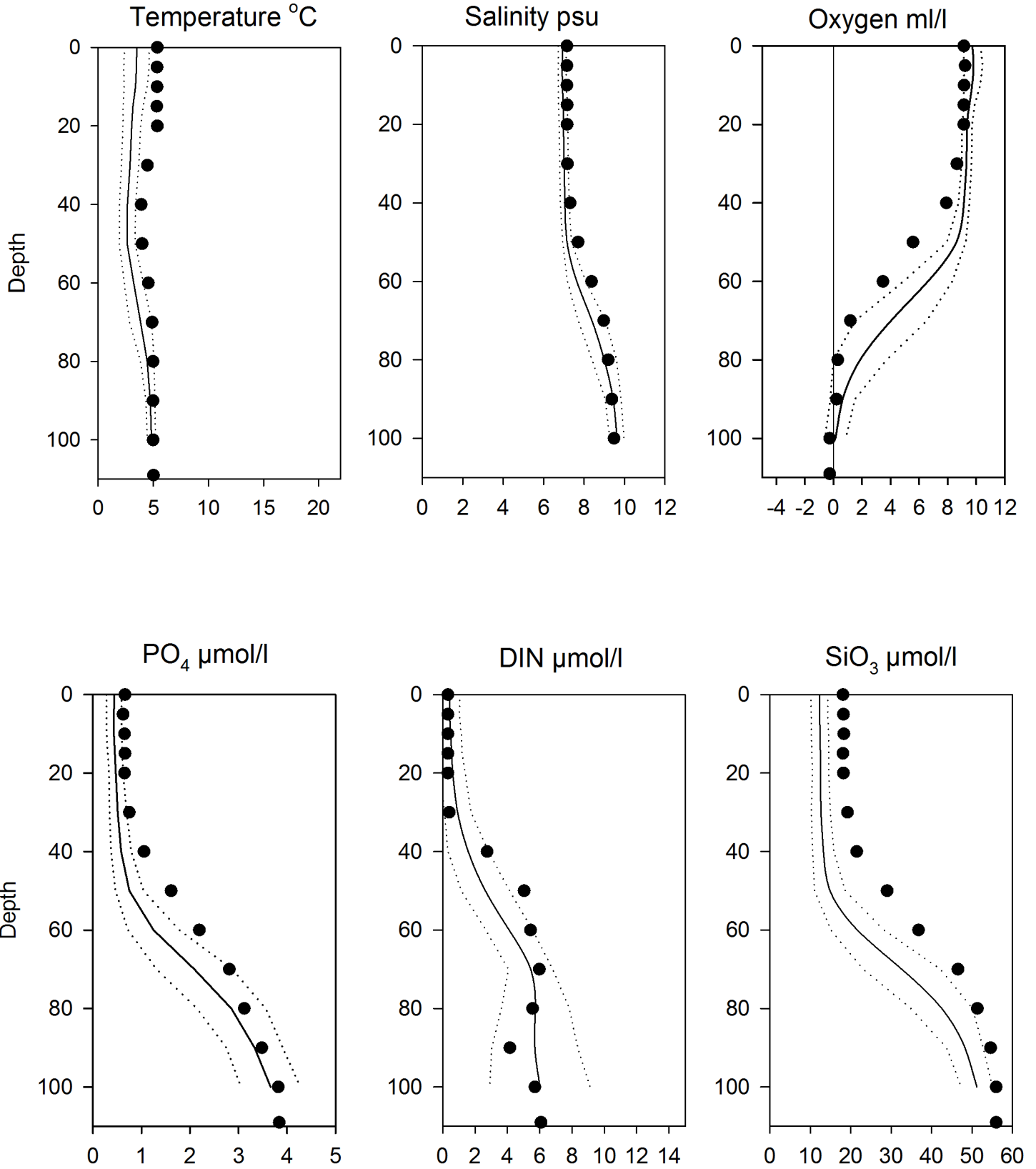


OXYGEN IN BOTTOM WATER (> 100m)



Vertical profiles BY38 April

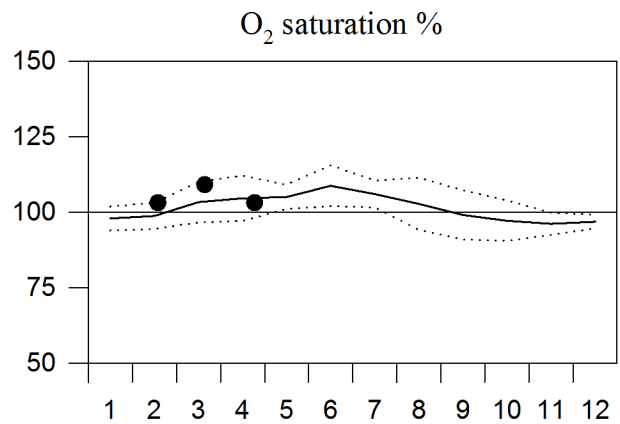
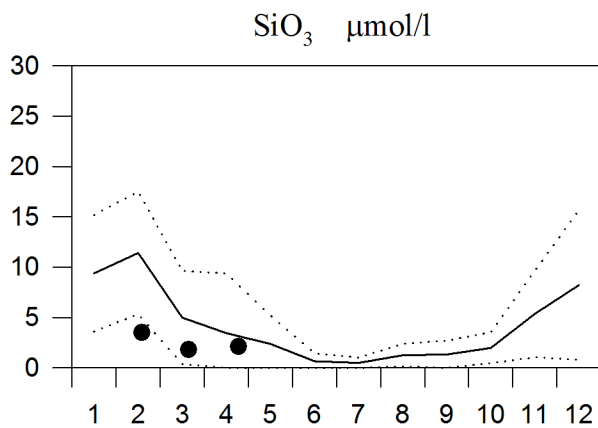
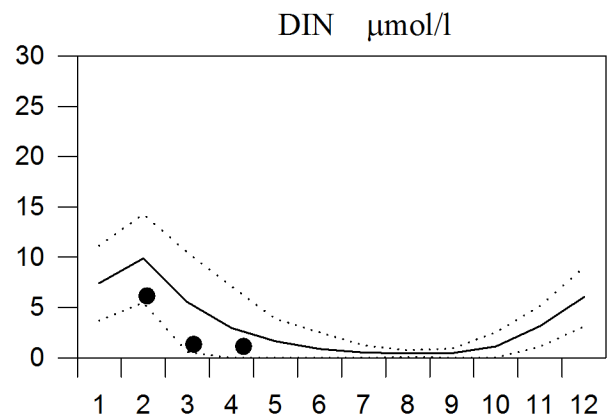
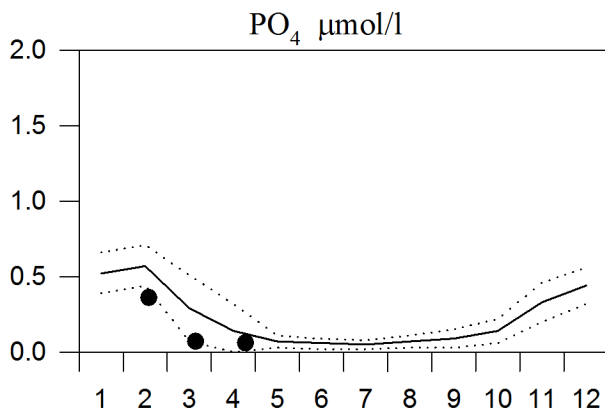
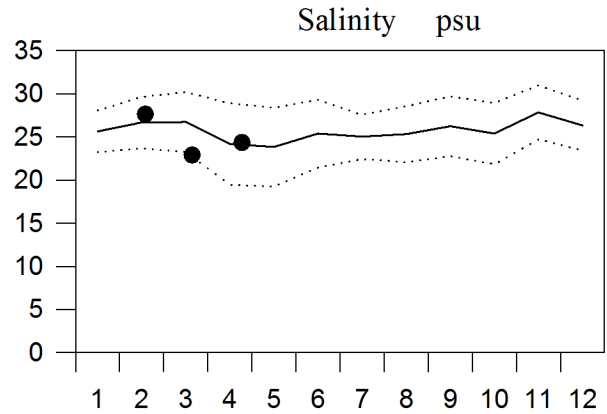
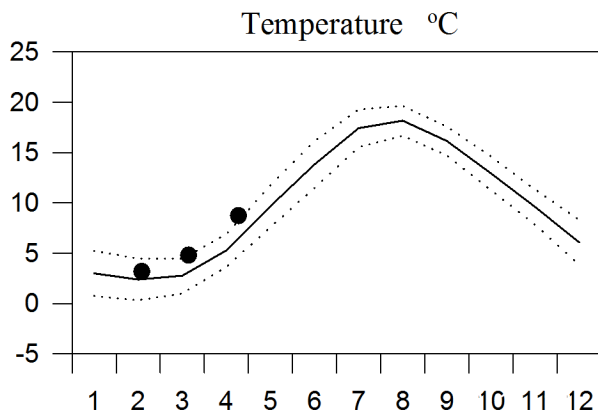
— Mean 1996-2010 St.Dev. ● 2015



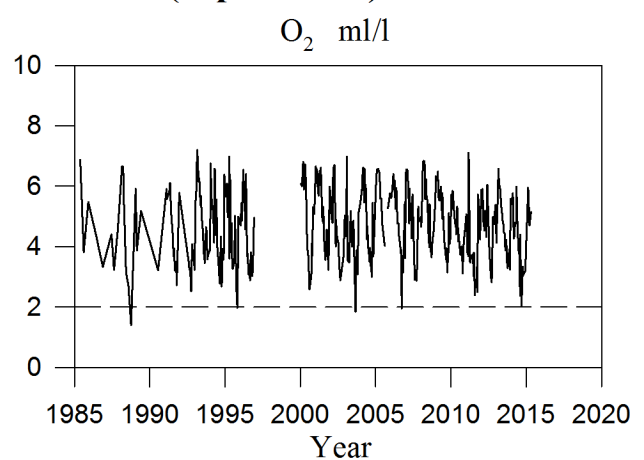
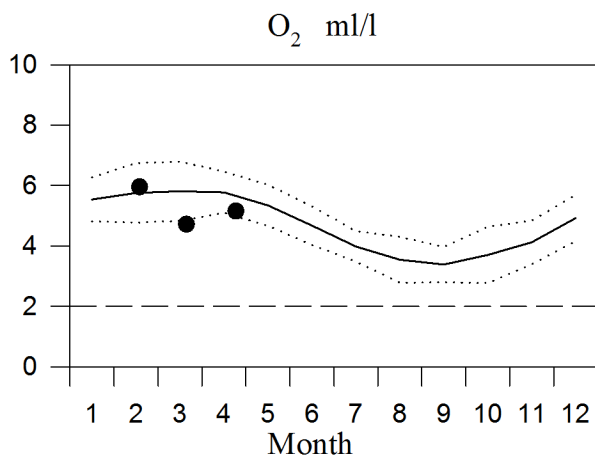
STATION SLÄGGÖ SURFACE WATER

Annual Cycles

— Mean 1996-2010 St.Dev. ● 2015

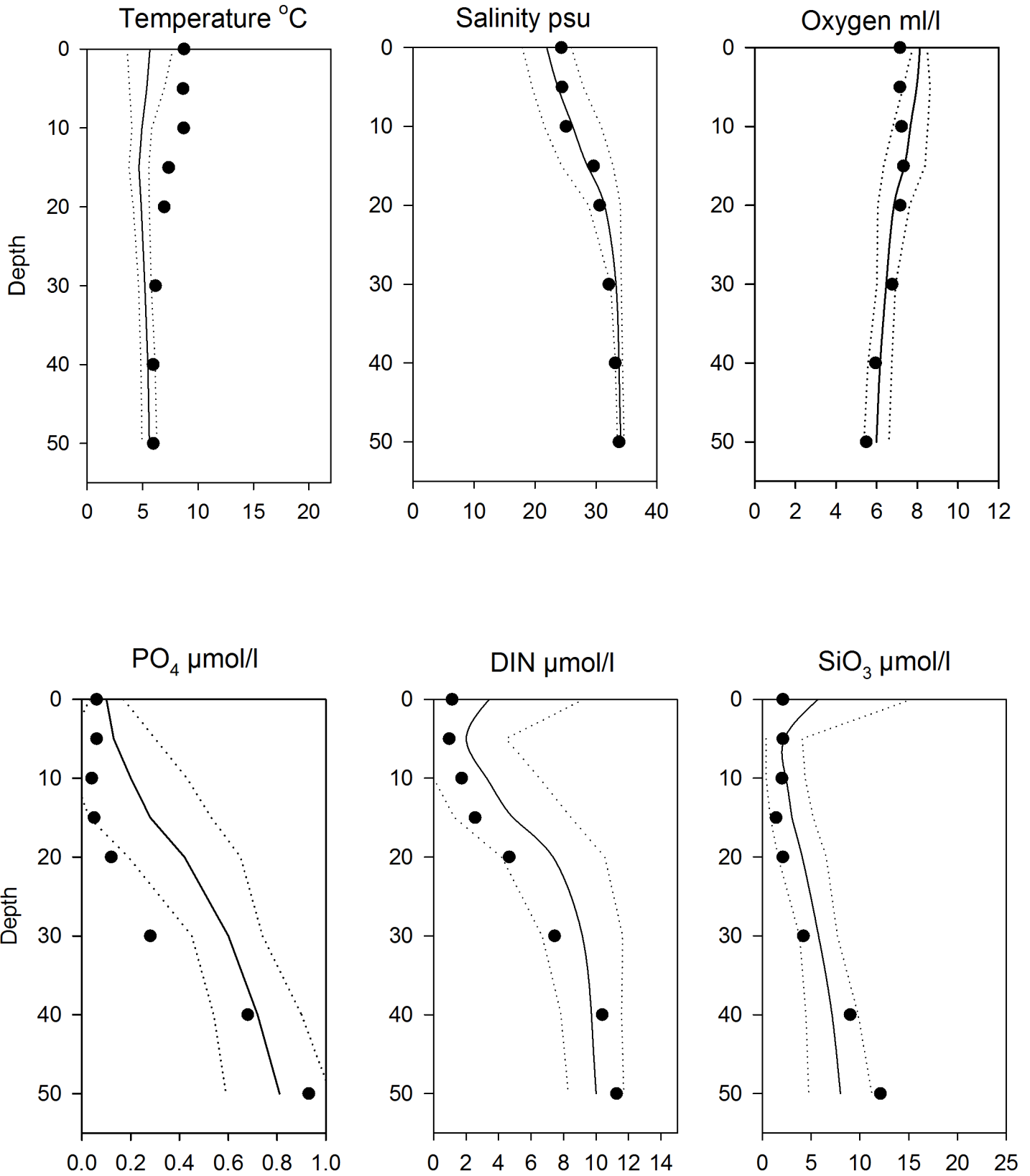


OXYGEN IN BOTTOM WATER (depth >50m)



Vertical profiles Släggö April

— Mean 1996-2010 St.Dev. ● 2015



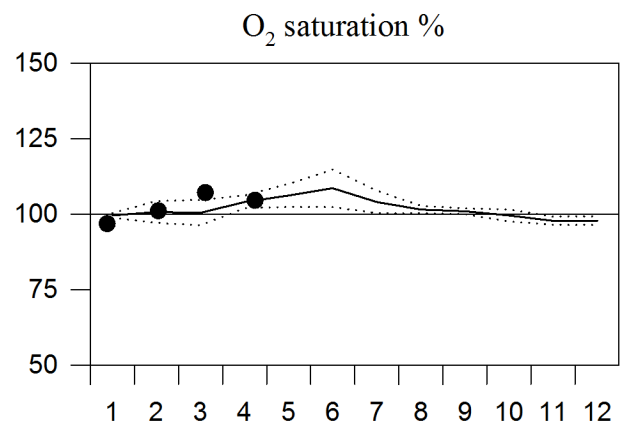
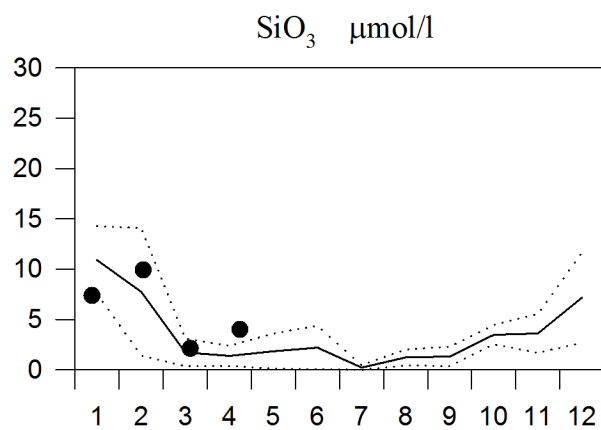
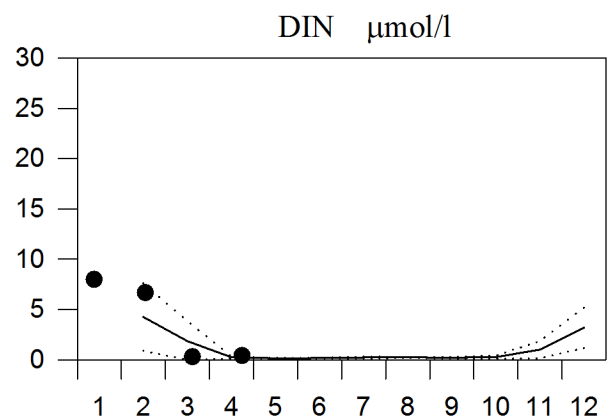
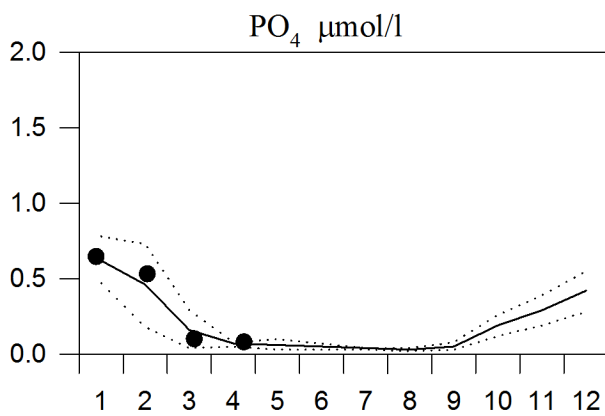
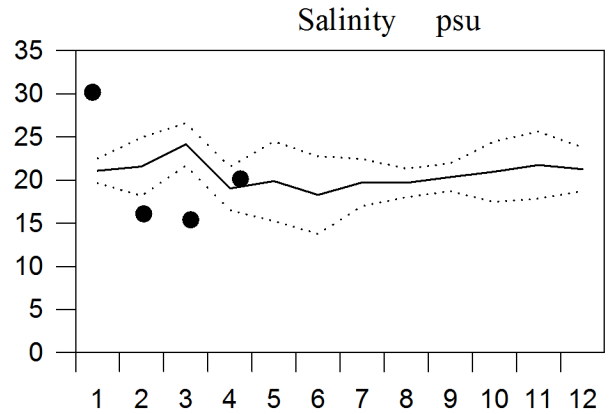
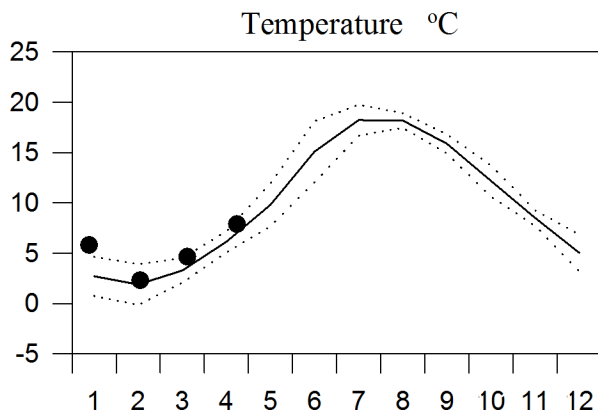
STATION N14 Falkenberg SURFACE WATER

Annual Cycles

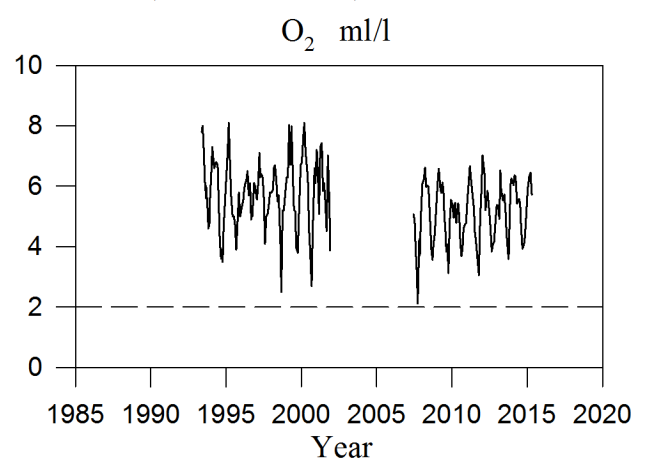
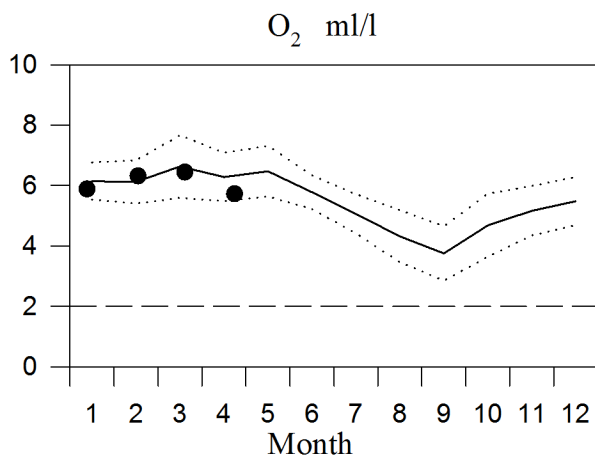
— Mean 2007-2010

..... St.Dev.

● 2015



OXYGEN IN BOTTOM WATER (depth > 25m)



Vertical profiles N14 Falkenberg April

— Mean 1996-2010 St.Dev. ● 2015

