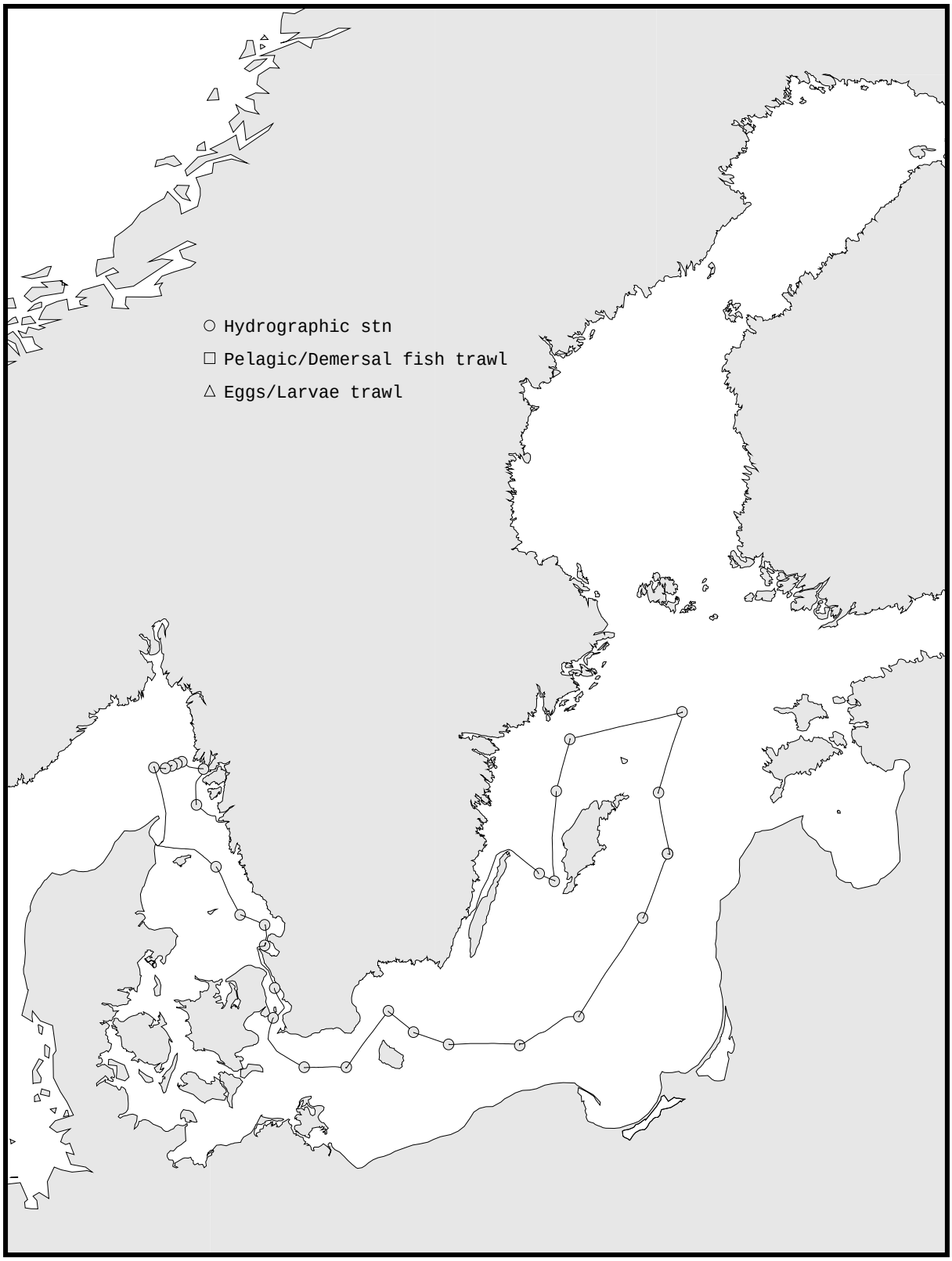
SMHI ***** Hydrographic Ship: 14-Argos ****** Date: 2002-11-18

Ocean lab ***** series Year: 2002 ****** Time: 12:26

Ser no	Stat code	Proj	Station	Lat	Lon	Date yyyymmdd	Time hhmm utc	Bottom depth m	Secchi depth m	Wind dir	Wind vel	Air temp C	Air pres hPa	WCSI eleco aoaetu hd	C t d	PPCPZZT HrhhoorCilyooa motPBw PrP l	No de	e a h x 2 o o o o h o l i u i O O O o m p i n	T S P O H P T N N N T A S H L P P T C y g S 4 t 2 3 4 t k O m g N C C m P P N N N N a 3 u n l s i
0529	SKEX23BAS	P2		N5752	E1118	20021111	1240	90	6	07	9	2.9	1007	1430 x		--x----	10	x x - x - x x x x x x - x - - - - - x
0530	FIBG27BAS	SLØGGÚ		N5815.5	E1126.0	20021111	1535	63		07	7	-0.9	1008	1110 x		--xx---	9	x x - x - x x x x x x - x - - - - - x
0531	SKEX14BAS	Ð13		N5820.2	E1102	20021111	1725	80		07	7	-1.0	1010	9990 x		--x----	9	x x - x - x x x x x x - x - - - - - -
0532	SKEX15BAS	Ð14		N5819	E1056.5	20021111	1805	110		07	7	-1.0	1010	9990 x		-------	10	- - - - - - - - - - - - - - - - - - -
0533	SKEX16BAS	Ð15		N5817.7	E1051	20021111	1845	130		07	7	-1.0	1010	9990 x		-------	11	x x - x - x x x x x x - x - - - - - -
0534	SKEX17BAS	Ð16		N5816	E1043.5	20021111	1935	199		11	8	-1.0	1010	9990 x		-------	13	- - - - - - - - - - - - - - - - - - -
0535	SKEX18BAS	Ð17		N5816.5	E1030.8	20021111	2115	323		11	6	0	1010	9990 x		--xx---	14	x x - x - x x x x x x - x - - - - - -
0536	KANX25BAS	FLADEN		N5711.5	E1140	20021112	1315	80		16	10	6.2	1002	2840 x		--x----	12	x x - x - x x x x - x - x - - - - - x
0537	KAEX29BAS	ANHOLT E		N5640.0	E1207.0	20021112	1705	56		18	8	7.4	1002	9999 x		-xxx---	10	x x x x - x x x x x x x x x x - - - - x
0538	KAEL63BAS	LAHOLM-3 (YG)		N5633.3	E1234	20021112	1915	21		14	8	7.1	1001	9999 x		-------	6	x x - x - x - x x x - - x - - - - - -
0539	KAES00BAS	SKØLDERVIKEN		N5619.9	E1234.29	20021112	2020	23		21	8	7.1	1000	9999 x		-------	6	x x - x - x - x x x - - x - - - - - -
0540	SOCX39BAS	W LANDSKRONA		N5552.0	E1245.0	20021113	0055	45		18	8	8.2	998	9990 x		--x----	9	x x - x - x x x x x x - x - - - - - -
0541	SOSX48BAS	DROGDEN E		N5532.40	E1243.75	20021113	0330	11		23	10	9	997	9990 x		-------	3	- - - - - - - - - - - - - - - - - - -
0542	BPSA02BAS	BY1		N5500	E1318	20021113	0800	46		23	8	8.7	998	1330 x		-------	8	x x - x - x x x x x x - x - - - - - -
0543	BPSA03BAS	BY2	ARKONA	N5500	E1405	20021113	1110	48	8	21	7	10.7	998	2830 x		--xx---	8	x x - x - x x x x x x - x x - - - - -
0544	BPSH05BAS	HANÚBUKTEN		N5537	E1452	20021113	1610	80		21	6	10.4	997	9990 x		-------	11	x x - x - x - x x x - - x - - - - - x
0545	BPSB06BAS	BY4	CHRISTIANSÚ	N5523	E1520	20021113	1855	91		18	6	9.9	996	9990 x		-------	12	x x - x x x x x x x x - x - - - - - x
0546	BPSB07BAS	BY5	BORNHOLMSDJ	N5515	E1559	20021113	2210	89		18	5	9.6	996	6990 x		-xxx---	12	x x x x x x x x x x x x x x x - - - - x
0547	BPSE00BAS	HDB 383		N5514.44	E1718.1	20021114	0300	89		18	7	9.5	995	9990 x		-------	8	x x - x - - - - - - - - - - - - - - - x
0548	BPSE11BAS	BCS III-10		N5533.3	E1824	20021114	0735	90	10	23	5	8.2	996	1330 x		--xx---	12	x x - x - x x x x x x - x - - - - - - x
0549	BPEX13BAS	BY10		N5638	E1935	20021114	1505	144		18	2	9.2	998	9930 x		--x----	15	x x - x x x x x x x x - x - - - - - - x
0550	BPEX21BAS	BY15	GOTLANDSDJ	N5720	E2003	20021114	2000	246		99	1	8.6	1000	9920 x		--xx---	19	x x x x x x x x x x x x x x - - - - - -
0551	BPEX21BAS	BY15	GOTLANDSDJ	N5720	E2003	20021114	2055			99	1	8.6	1000	9920 x		-------	7	x x - x x x - x x - - - x - - - - - x
0552	BPEX26BAS	BY20	FÐRÚDJ	N5800	E1953	20021115	0100	197		09	3	8.5	1001	4990 x		--x----	17	x x - x x x x x x x x - x - - - - - x
0553	BPNX35BAS	BY29		N5853	E2019	20021115	0715	178		11	8	6.3	1002	2830 x		--x----	16	x x - x x x x x x x x - x - - - - - x
0554	BPNX37BAS	BY31	LANDSORTSDJ	N5835	E1814	20021115	1340	459		09	8	6.2	999	2830 x		--xx---	23	x x - x x x x x x x x - x - - - - - -
0555	BPWX38BAS	BY32	NORRKÚPINGSDJ	N5801	E1759	20021115	1750	205		09	2	6.2	999	9990 x		-------	17	x x - x x x x x x x x - x - - - - - -
0556	BPWX00BAS	8NW HOBURG		N5702	E1757	20021115	2340	65		36	6	7.3	1000	9990 x		-------	7	x x - x - - - - - - - - - - - - - - -
0557	BPWX45BAS	BY38	KARLSÚDJ	N5707	E1740	20021116	0105	112		36	7	7.5	1001	9930 x		--xx---	14	x x - x x x x x x x x - x x - - - - -

T R A C K C H A R T

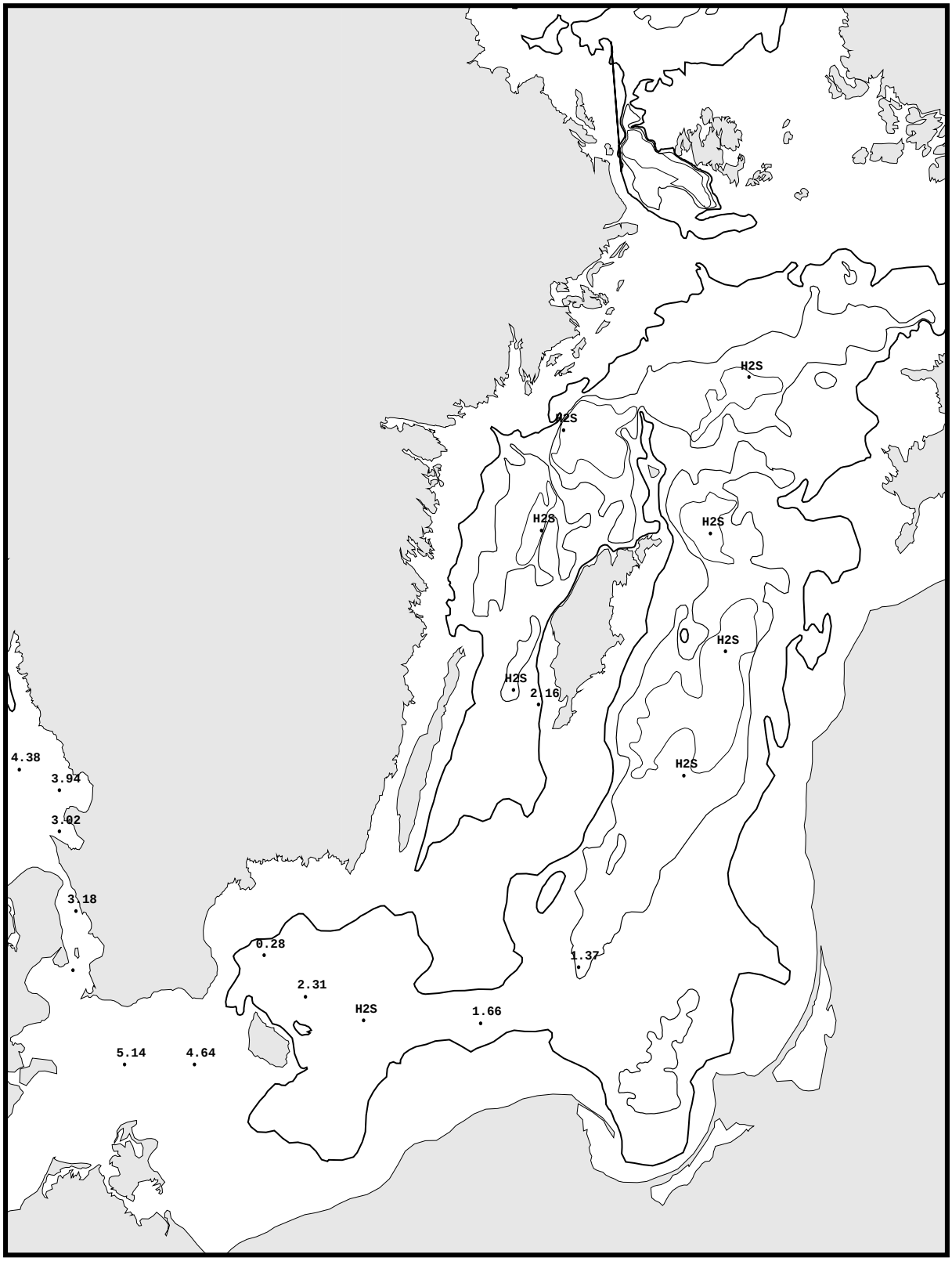
Country: Sweden
Ship : Argos
Date : 20021111-20021116
Series : 0529-0557



CSR RefNo: 2002-77AR/0529-0557

Bottom water oxygen concentration (ml/l)

Country: Sweden
Ship : Argos
Date : 20021112-20021116
Series : 0536-0557

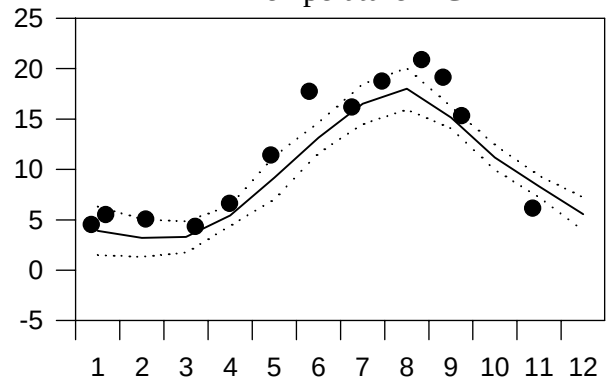


STATION P2 SURFACE WATER

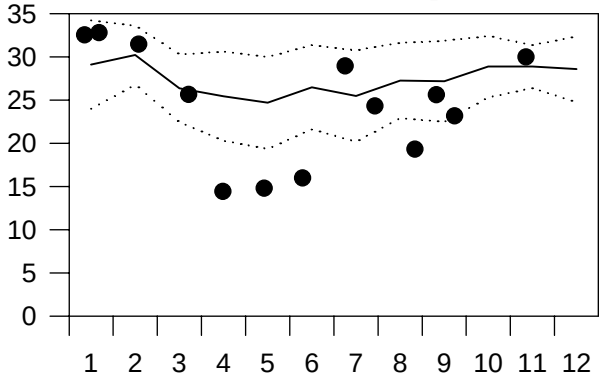
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

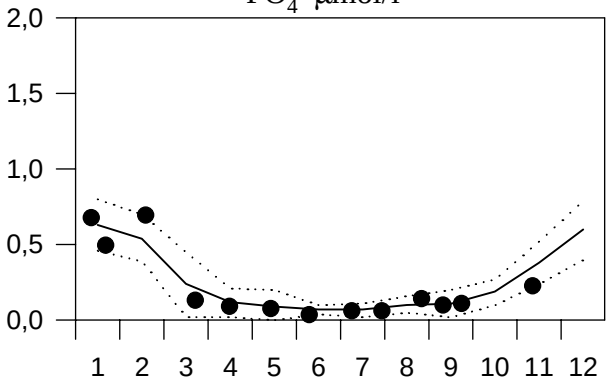
Temperature °C



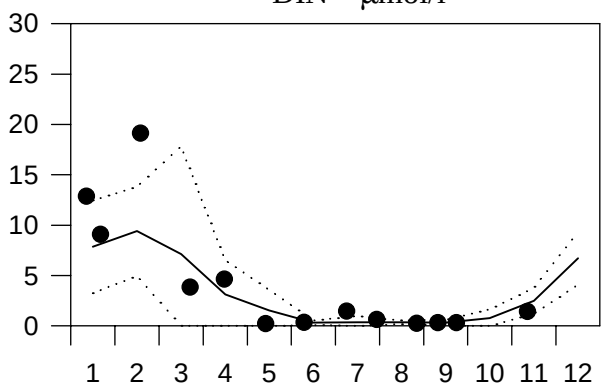
Salinity psu



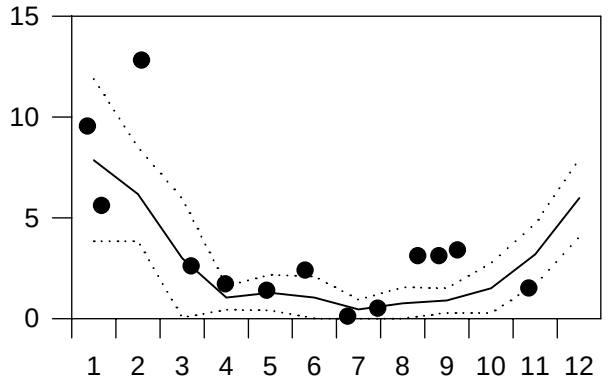
PO_4 µmol/l



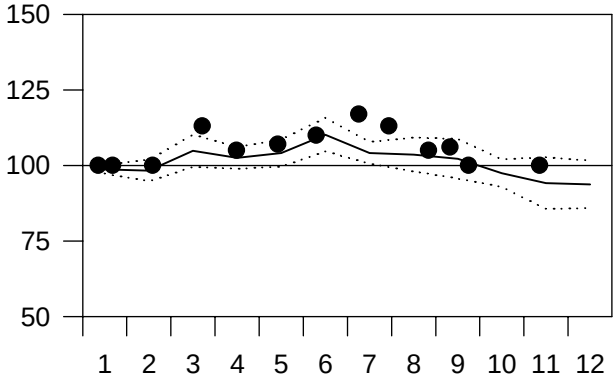
DIN µmol/l



SiO_3 µmol/l

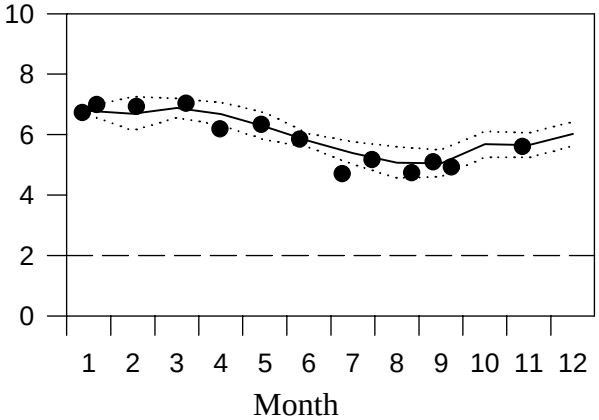


O_2 saturation %

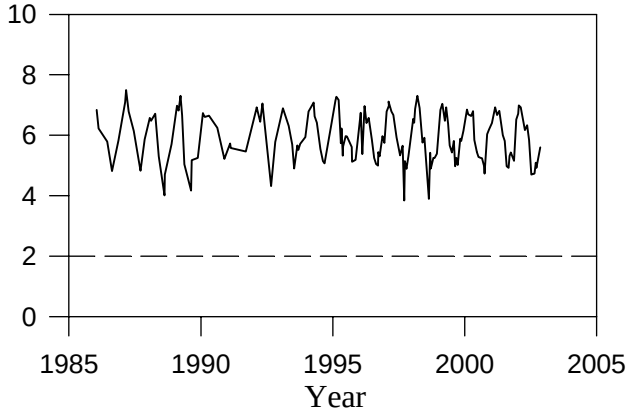


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

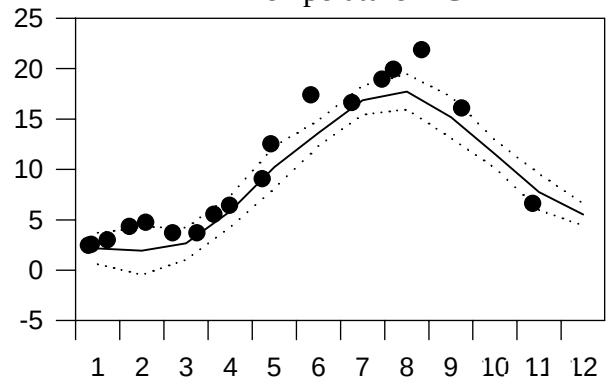


STATION SLÄGGÖ SURFACE WATER

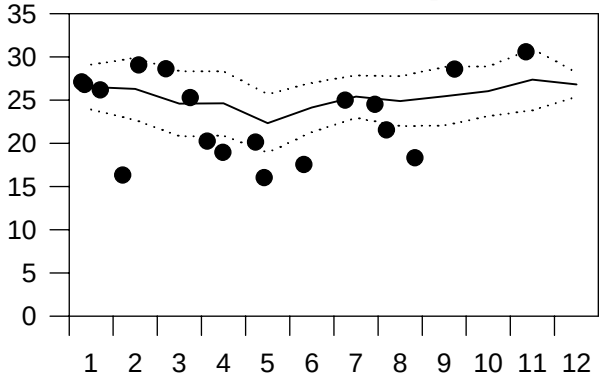
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

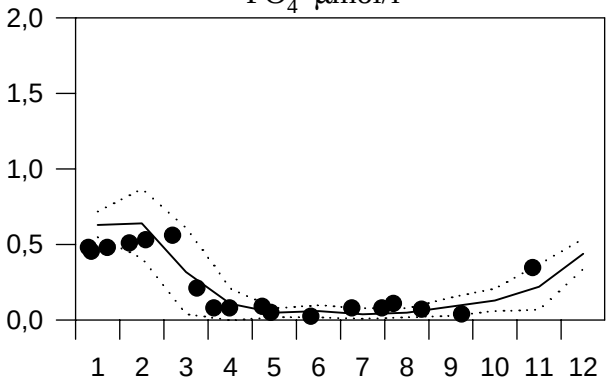
Temperature °C



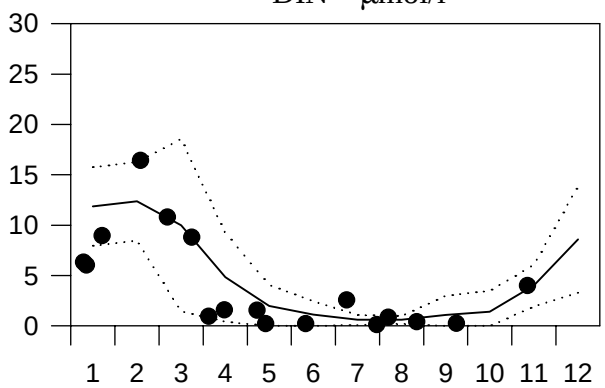
Salinity psu



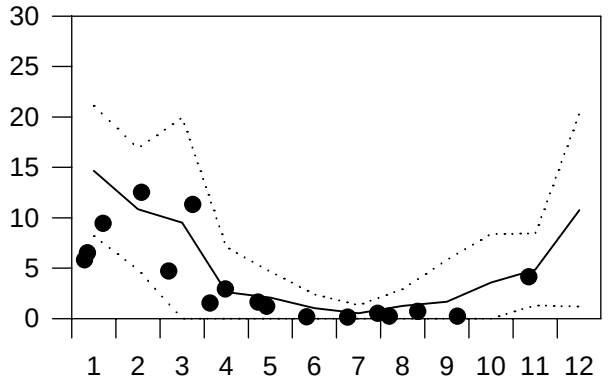
PO_4 µmol/l



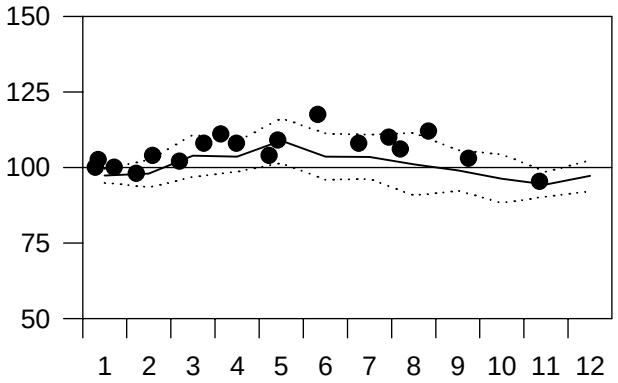
DIN µmol/l



SiO_3 µmol/l

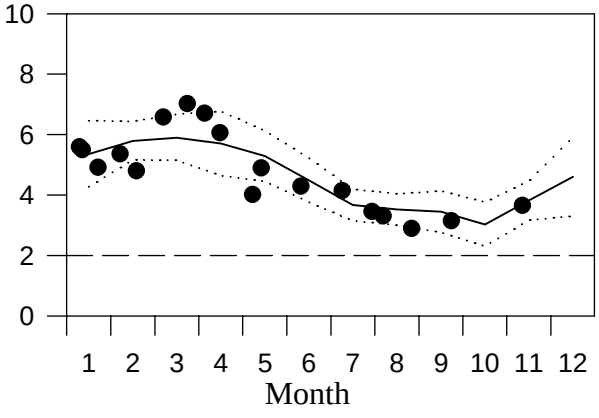


O_2 saturation %

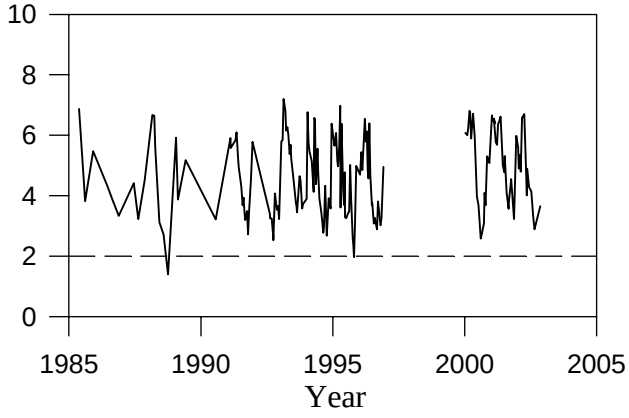


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

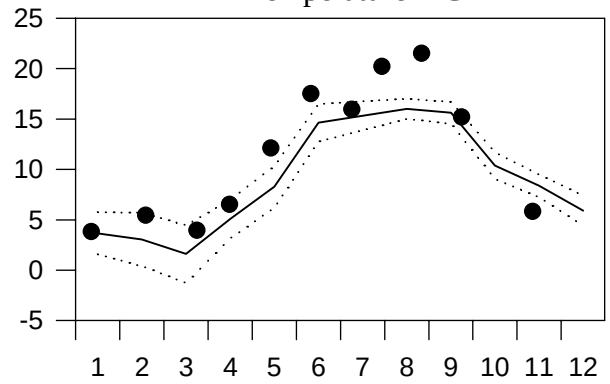


STATION Å13 SURFACE WATER

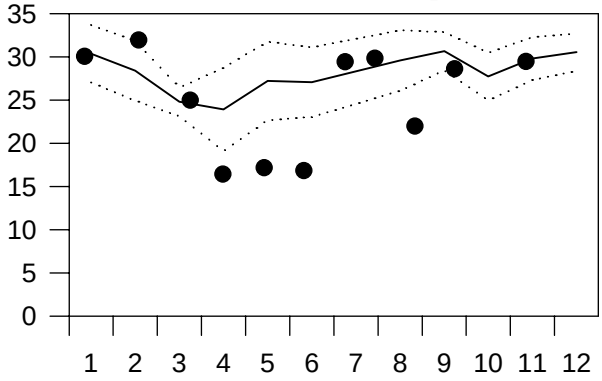
Annual Cycles

Mean 1980-1999 St.Dev. 2002

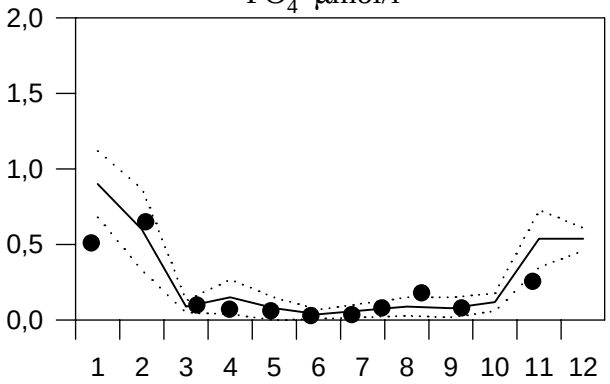
Temperature °C



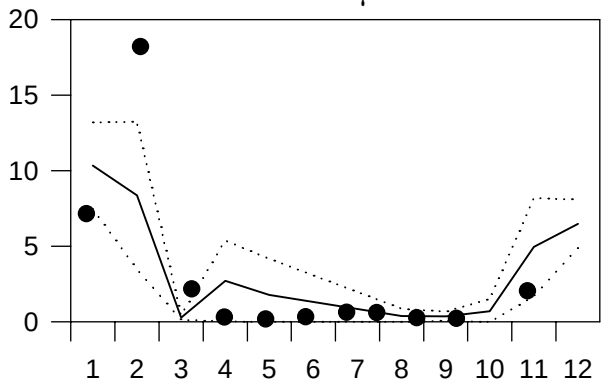
Salinity psu



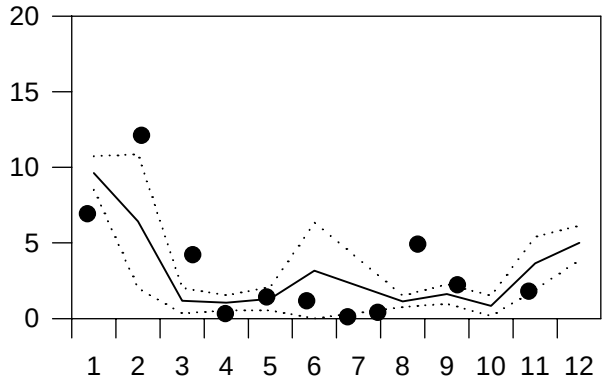
PO_4 µmol/l



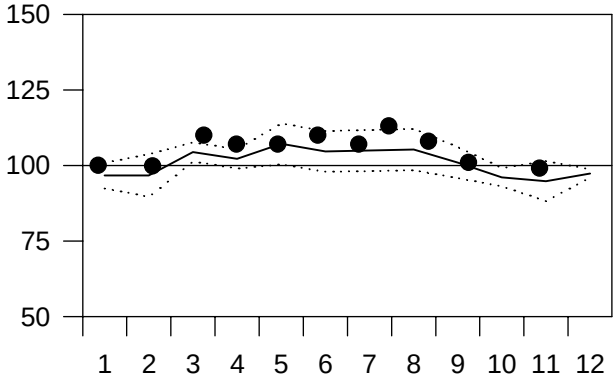
DIN µmol/l



SiO_3 µmol/l

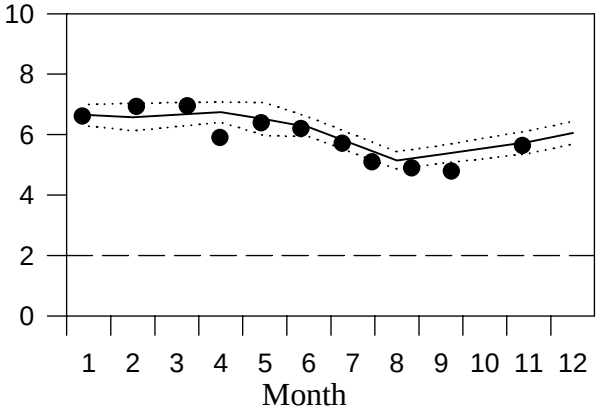


O_2 saturation %

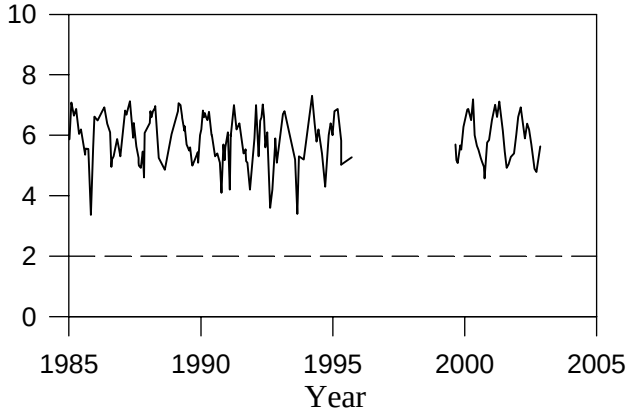


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

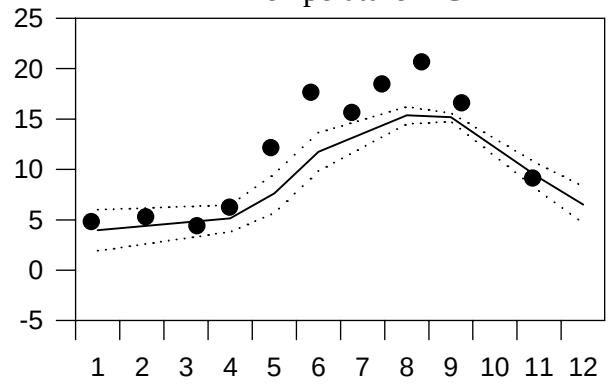


STATION Å17 SURFACE WATER

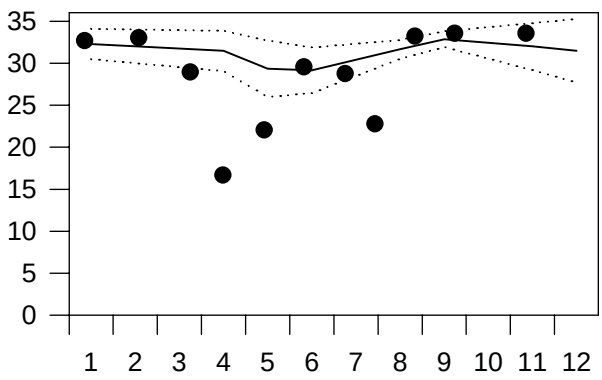
Annual Cycles

Mean 1980-1999 St.Dev. 2002

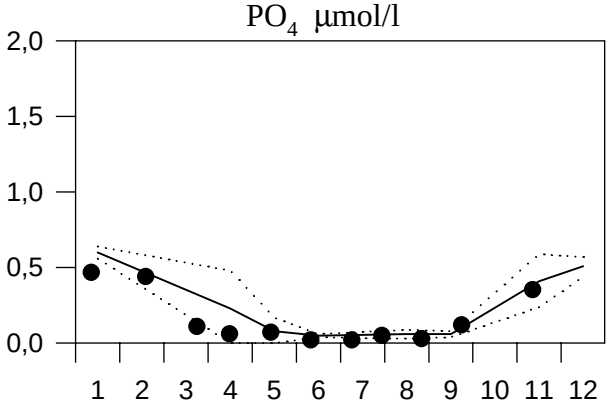
Temperature °C



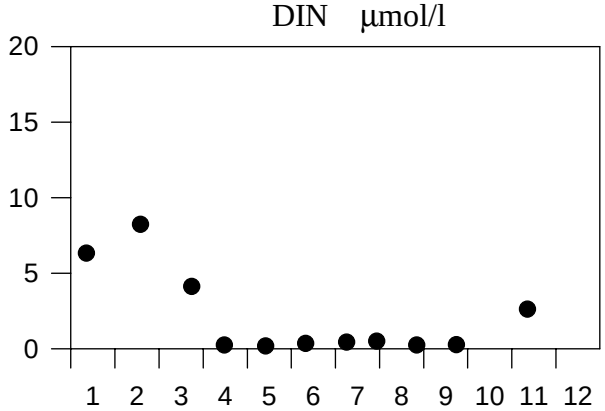
Salinity psu



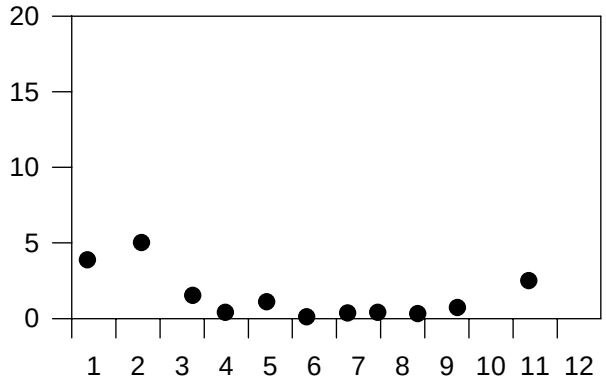
PO_4 µmol/l



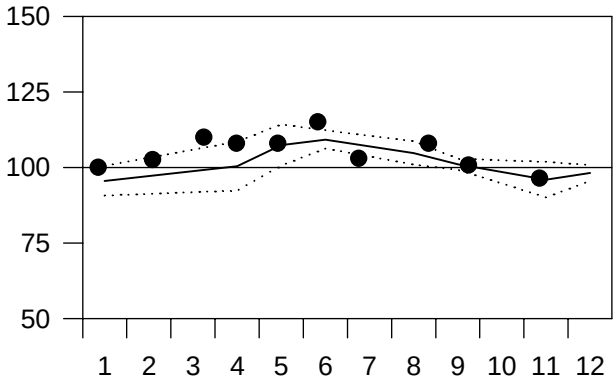
DIN µmol/l



SiO_3 µmol/l

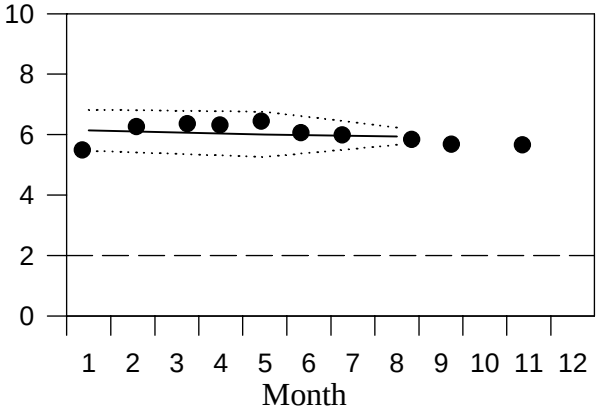


O_2 saturation %

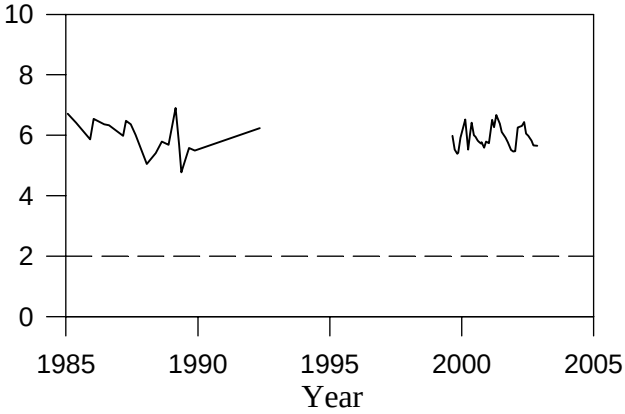


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

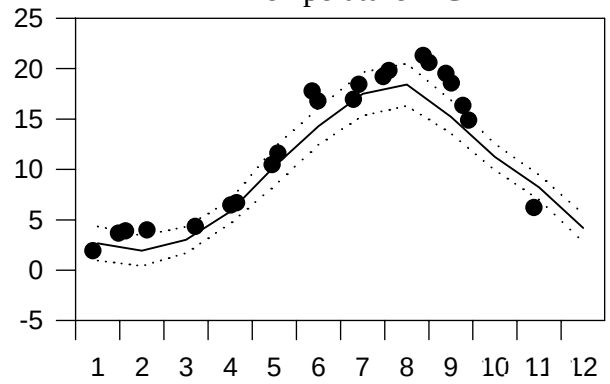


STATION ANHOLT E SURFACE WATER

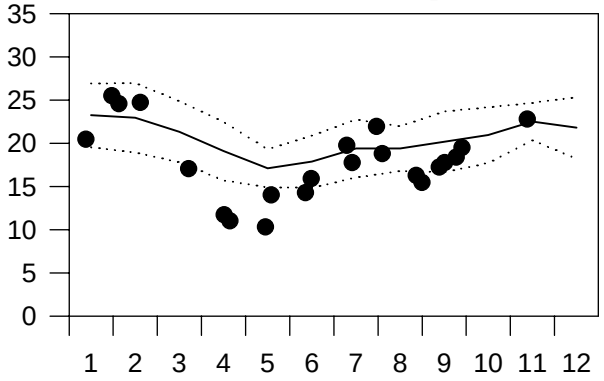
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

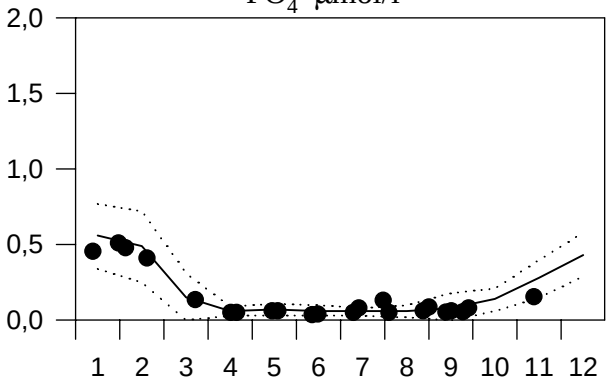
Temperature °C



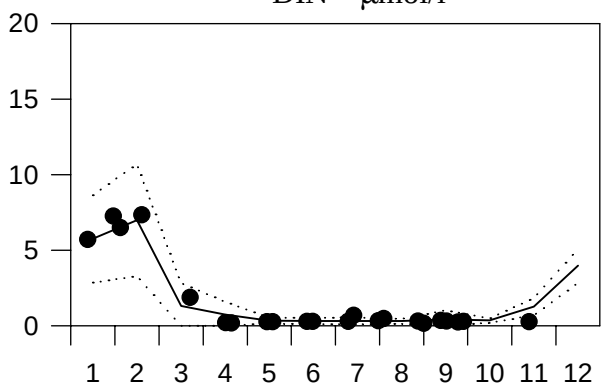
Salinity psu



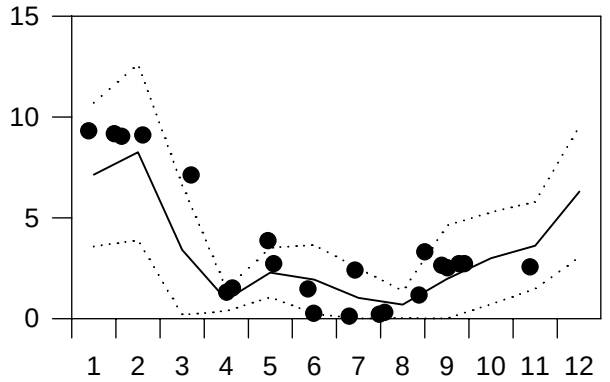
PO_4 µmol/l



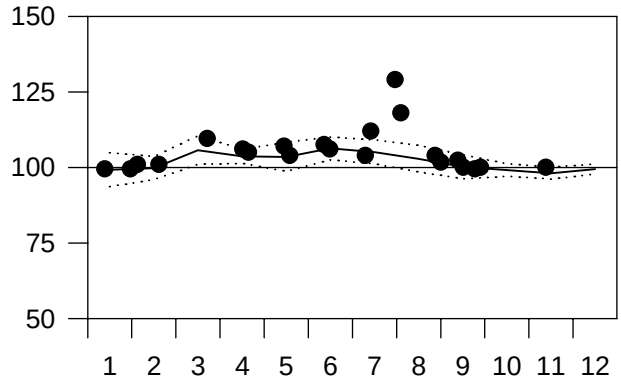
DIN µmol/l



SiO_3 µmol/l

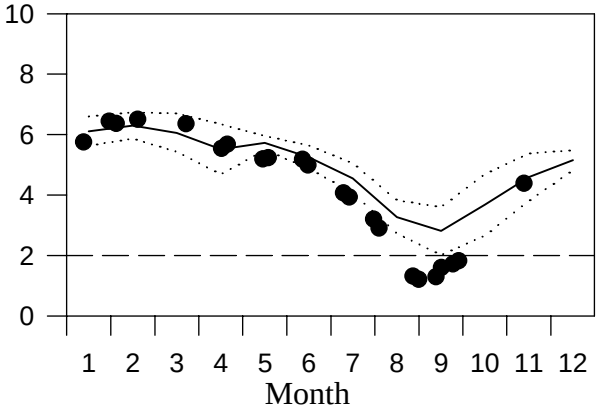


O_2 saturation %

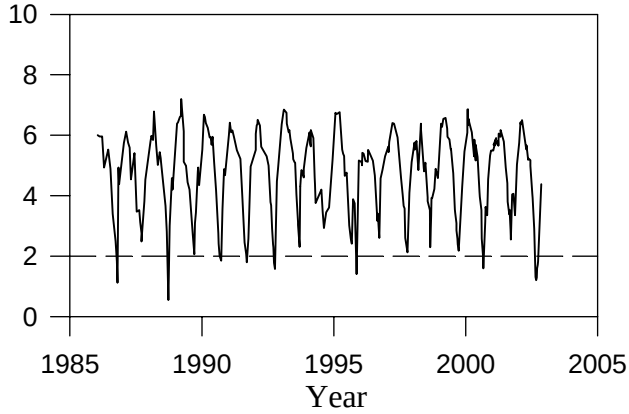


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

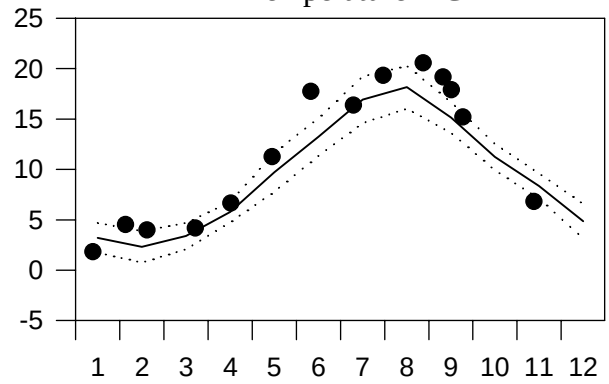


STATION FLADEN SURFACE WATER

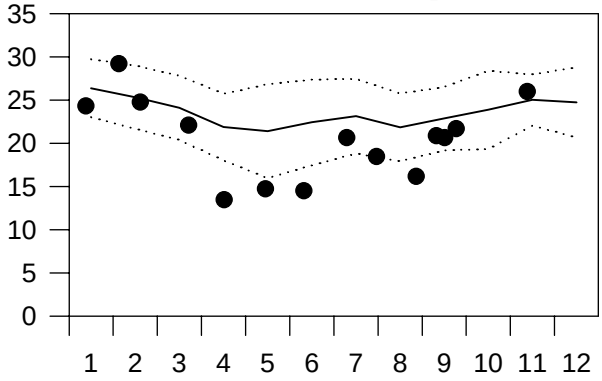
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

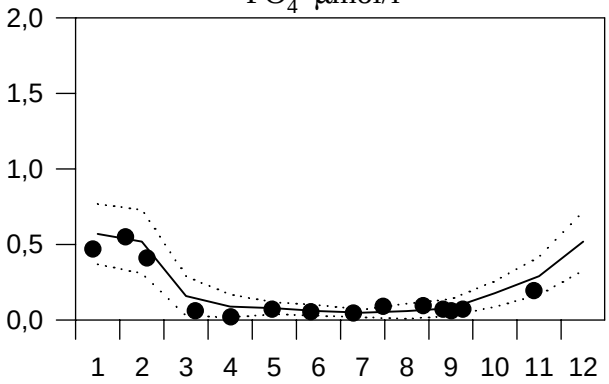
Temperature °C



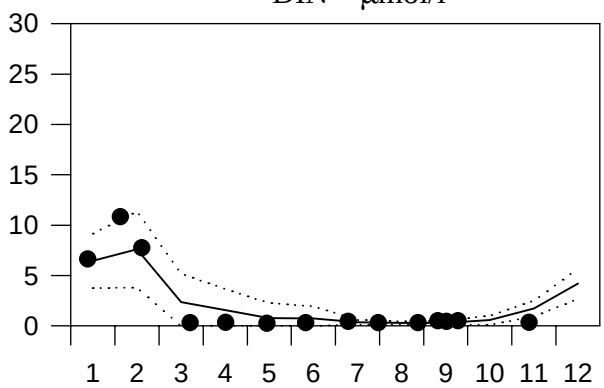
Salinity psu



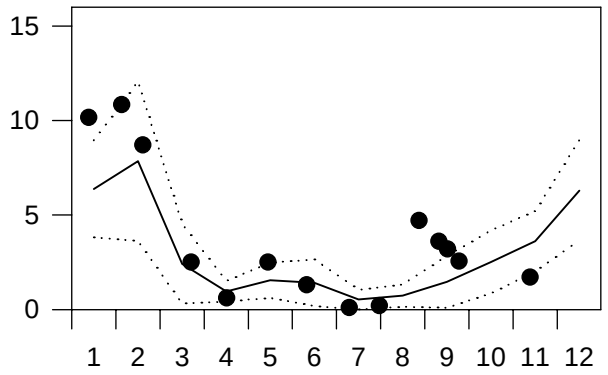
PO_4 µmol/l



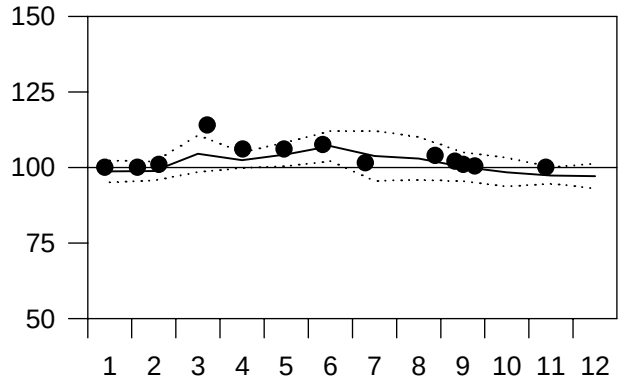
DIN µmol/l



SiO_3 µmol/l

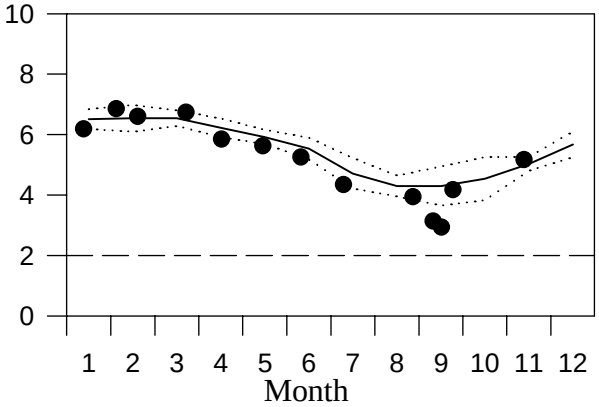


O_2 saturation %

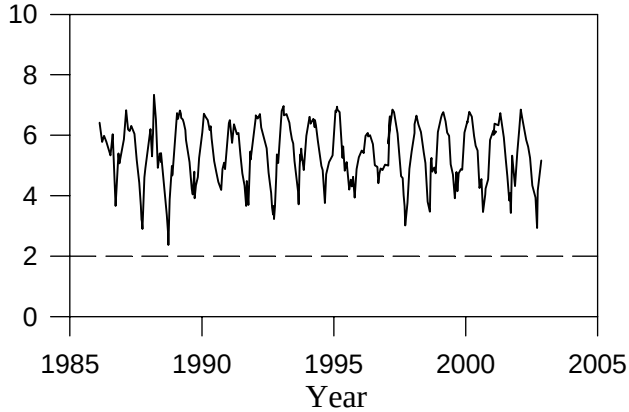


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

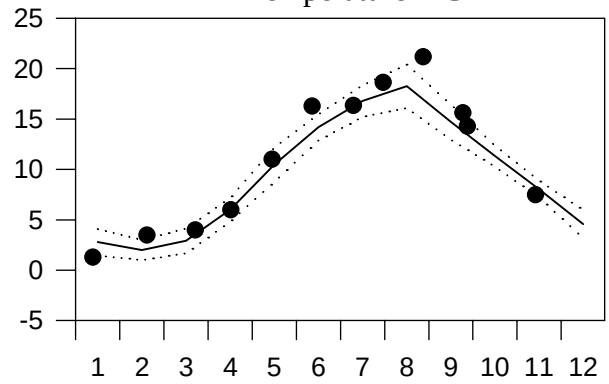


STATION W LANDSKRONA SURFACE WATER

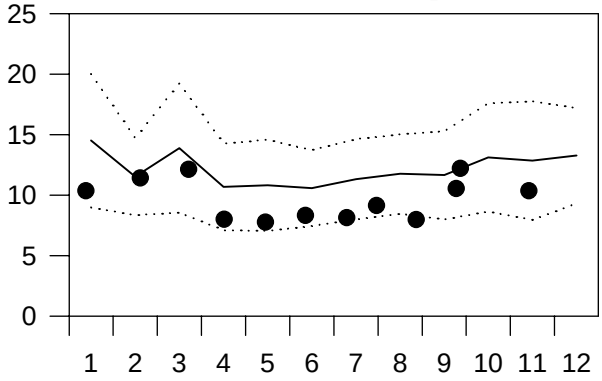
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

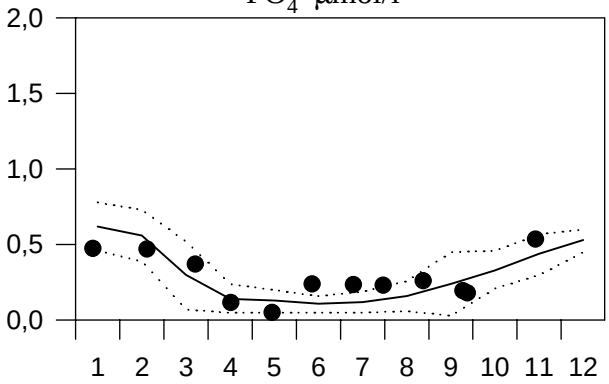
Temperature °C



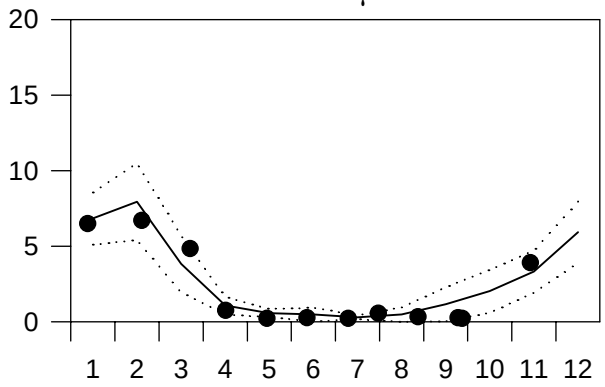
Salinity psu



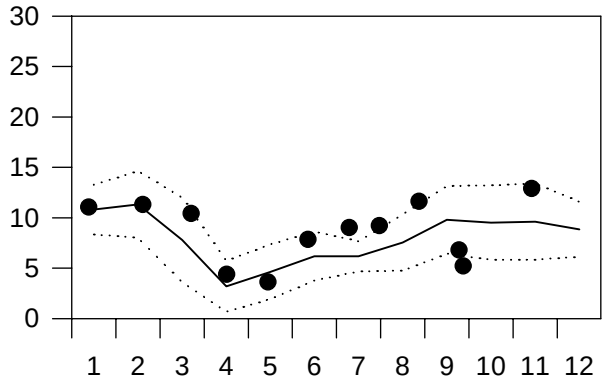
PO_4 µmol/l



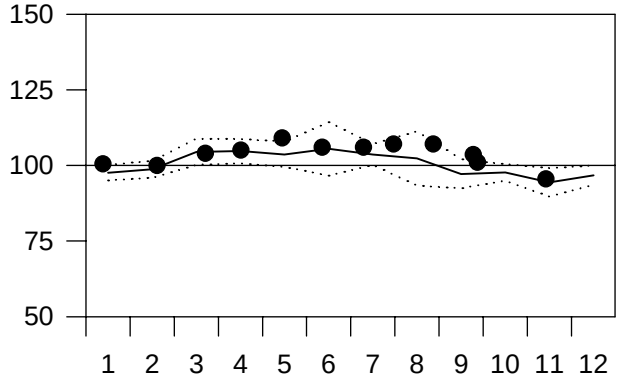
DIN µmol/l



SiO_3 µmol/l

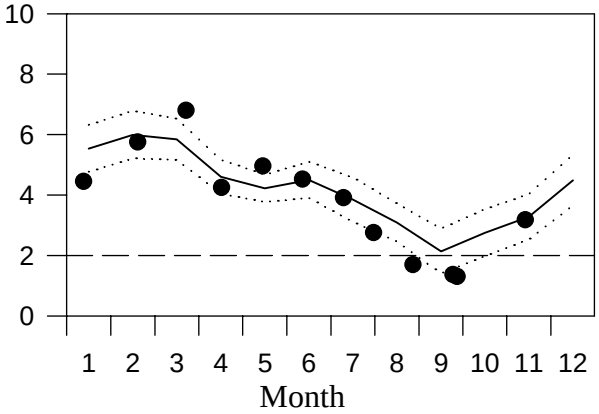


O_2 saturation %

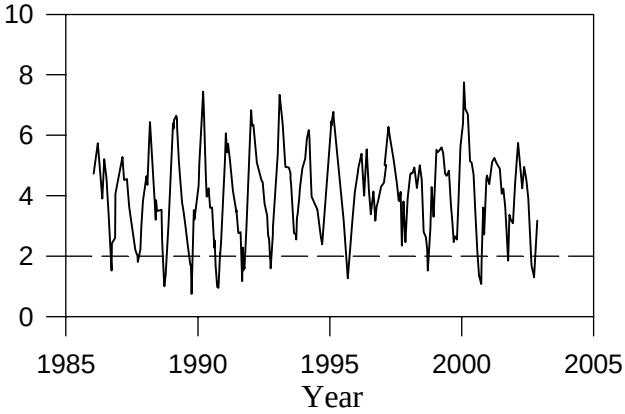


OXYGEN IN BOTTOM WATER

O_2 ml/l



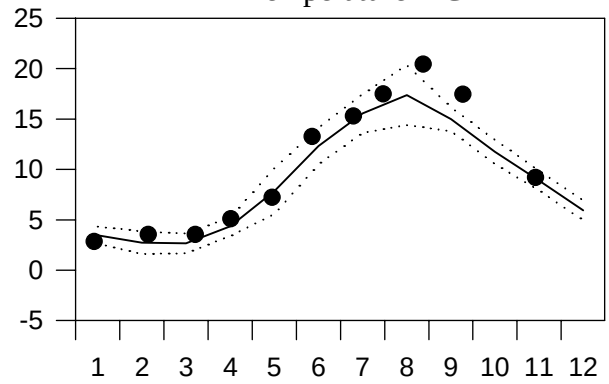
O_2 ml/l



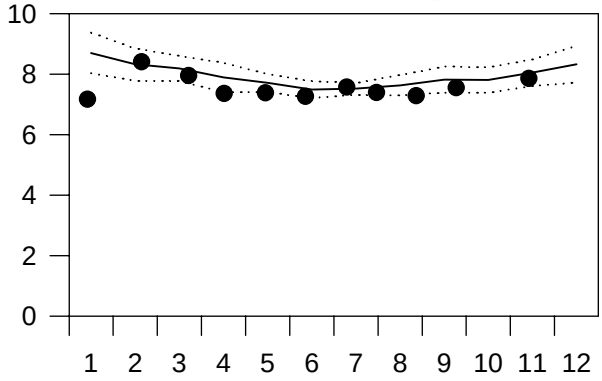
STATION BY1 SURFACE WATER

Annual Cycles

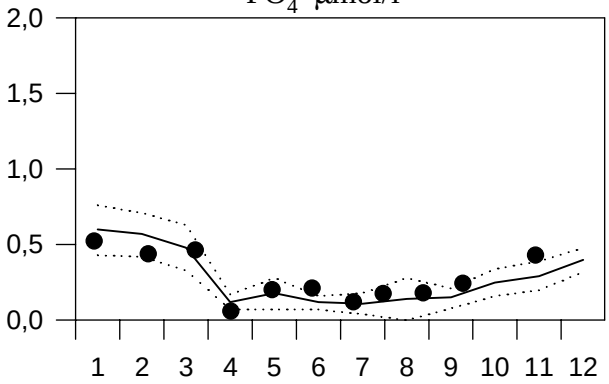
Temperature °C



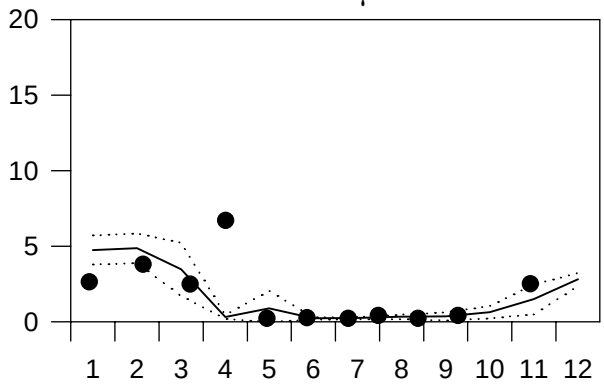
Salinity psu



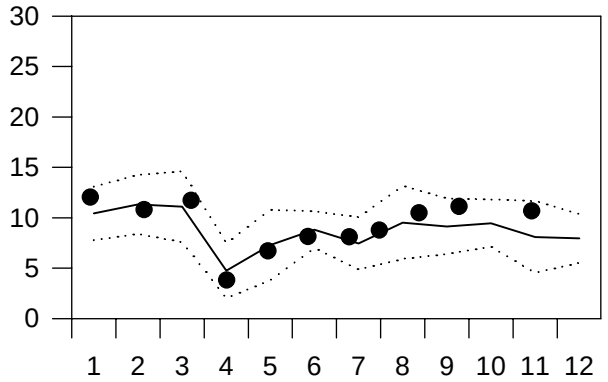
PO_4 µmol/l



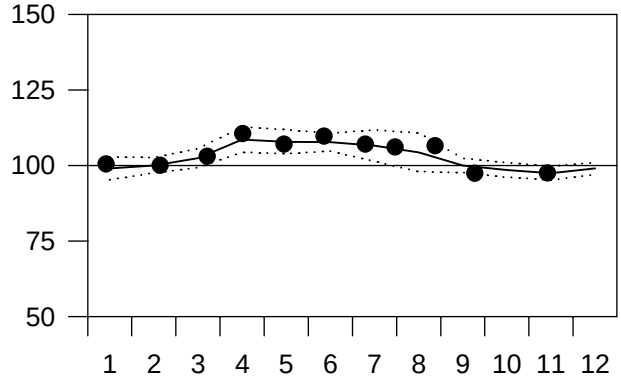
DIN µmol/l



SiO_3 µmol/l

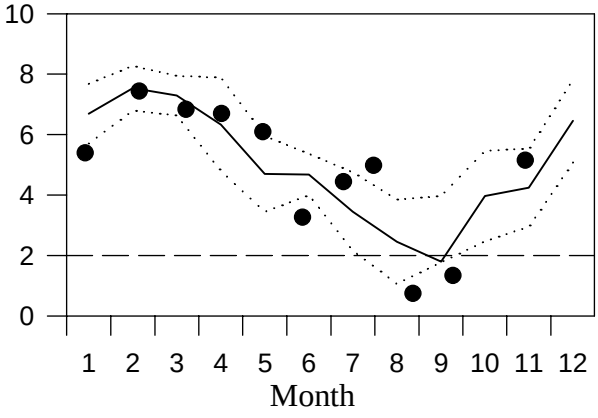


O_2 saturation %

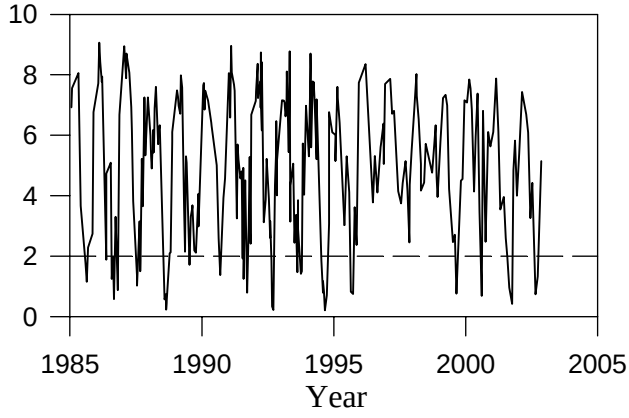


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

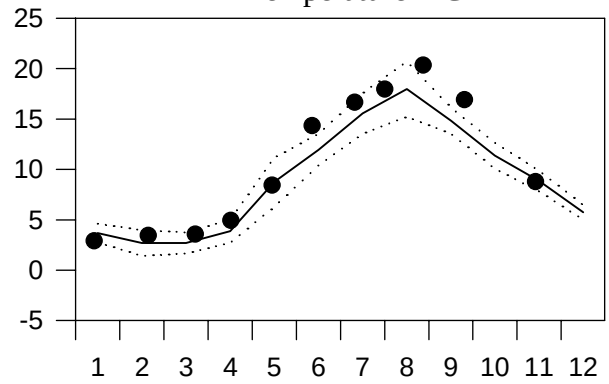


STATION BY2 SURFACE WATER

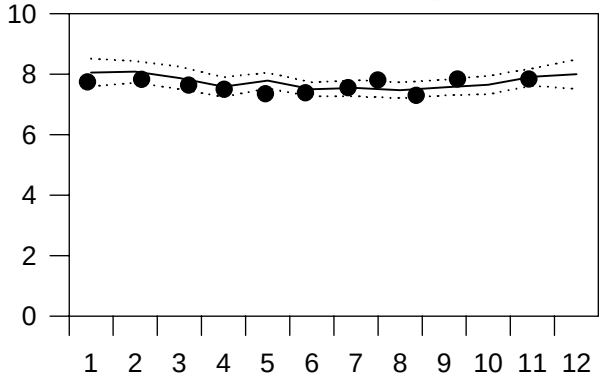
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

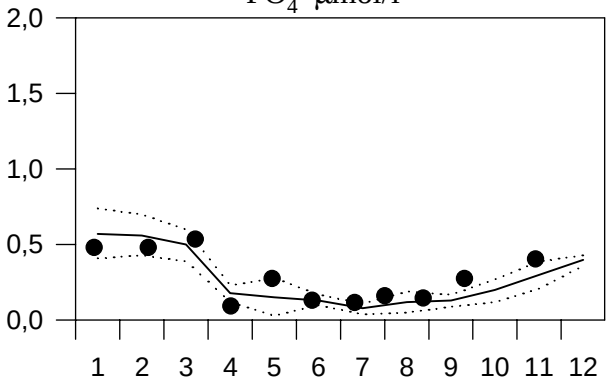
Temperature °C



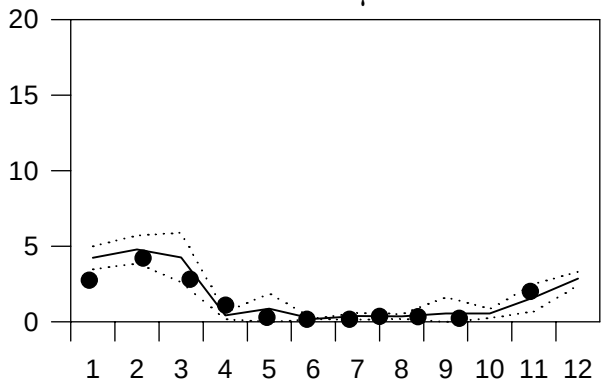
Salinity psu



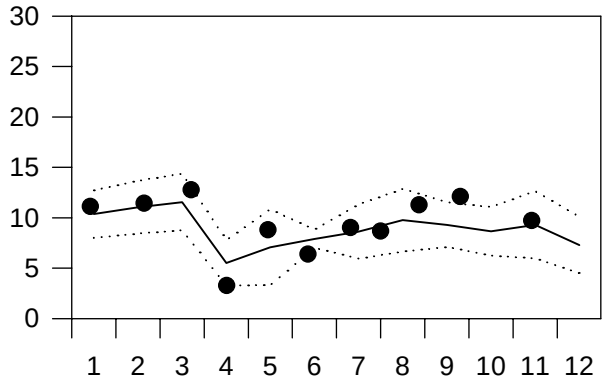
PO_4 µmol/l



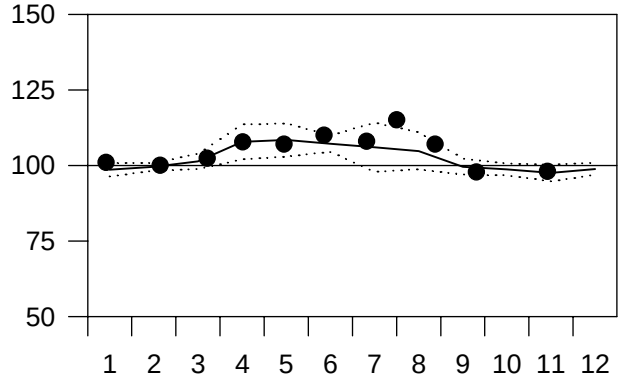
DIN µmol/l



SiO_3 µmol/l

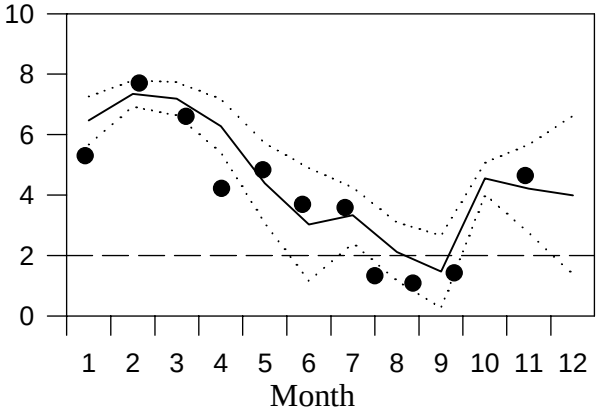


O_2 saturation %

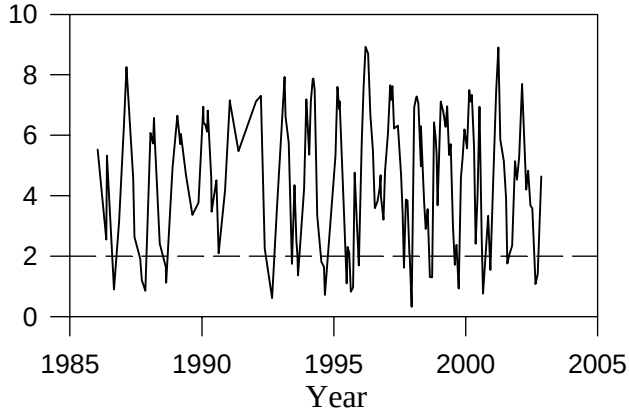


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

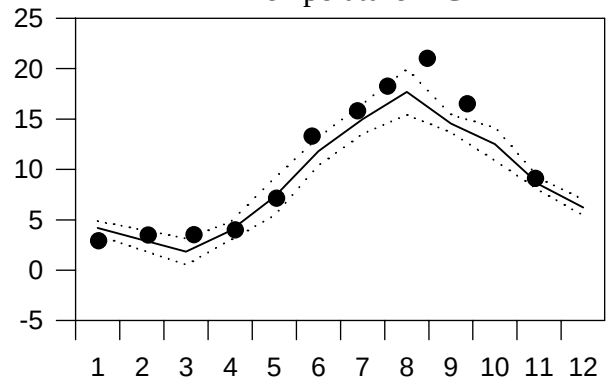


STATION HANÖBUKTEN SURFACE WATER

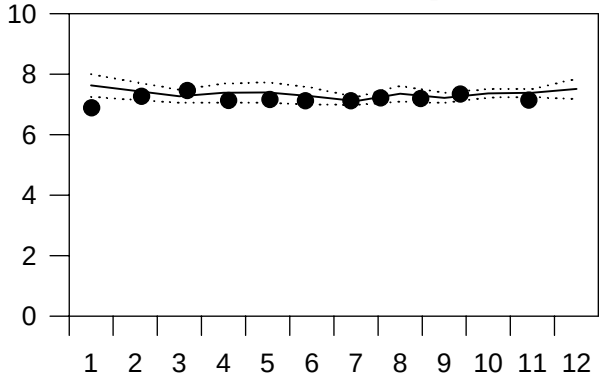
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

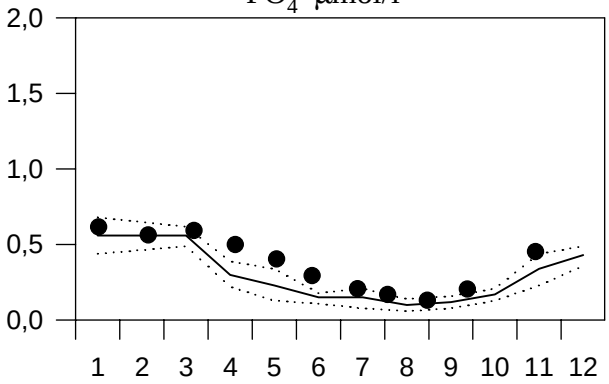
Temperature °C



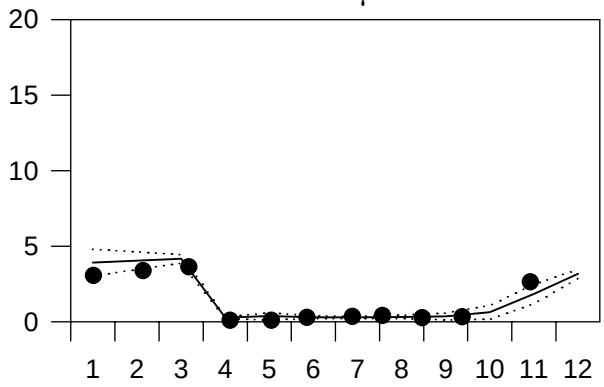
Salinity psu



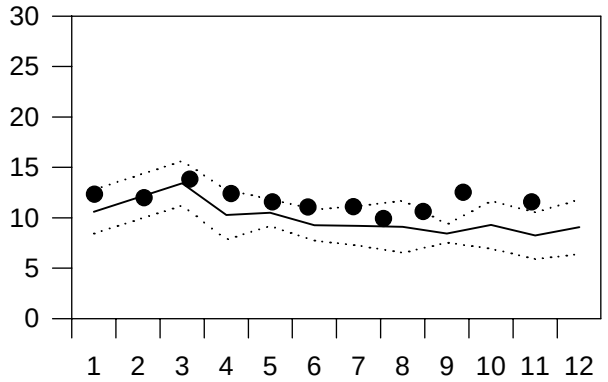
PO_4 µmol/l



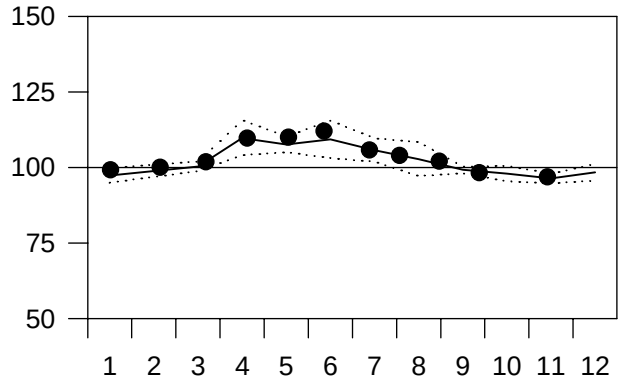
DIN µmol/l



SiO_3 µmol/l

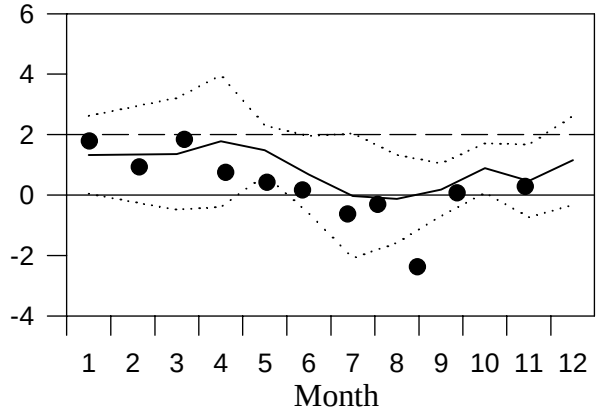


O_2 saturation %

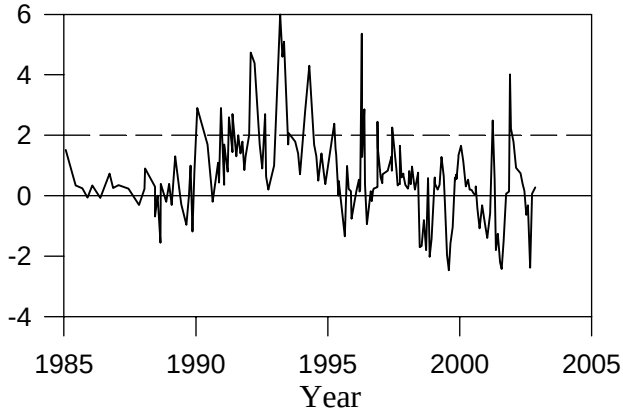


OXYGEN IN BOTTOM WATER

O_2 ml/l



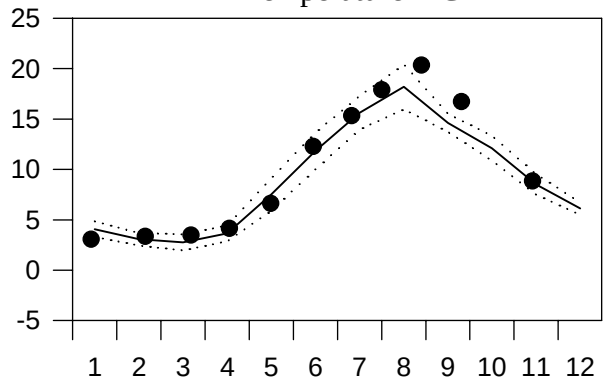
O_2 ml/l



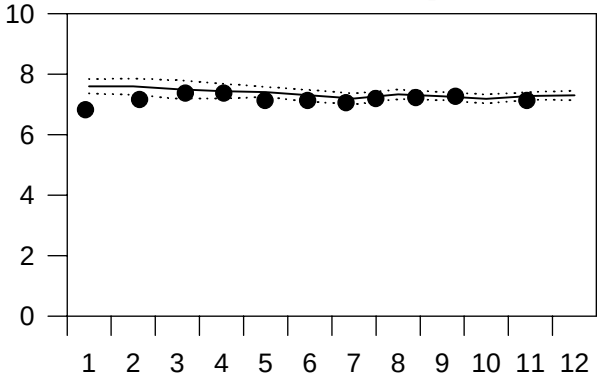
STATION BY4 SURFACE WATER

Annual Cycles

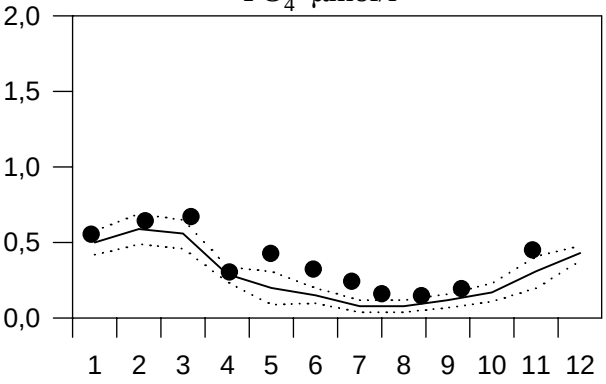
Temperature °C



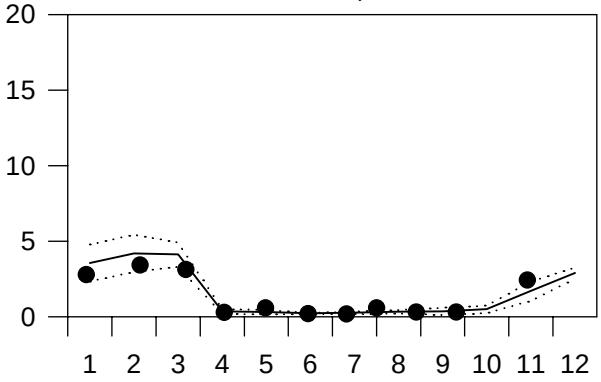
Salinity psu



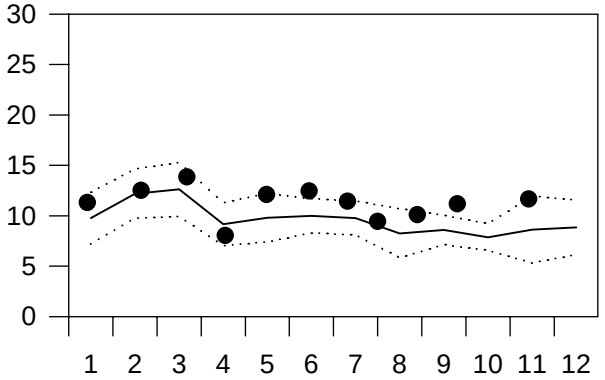
PO_4 µmol/l



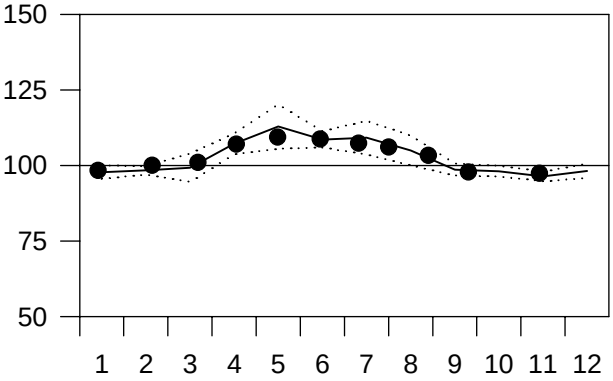
DIN µmol/l



SiO_3 µmol/l

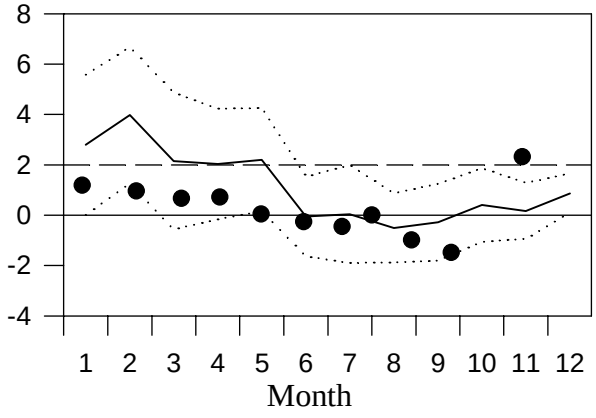


O_2 saturation %

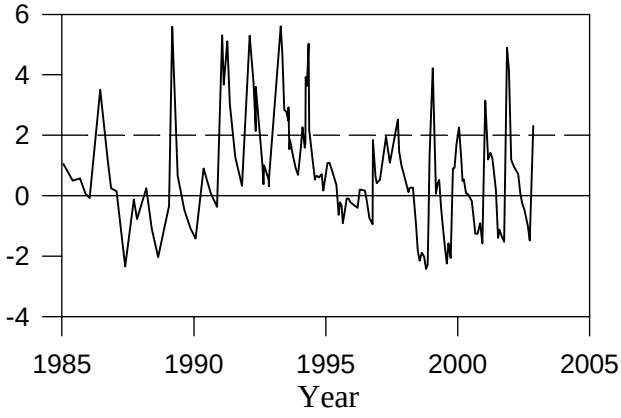


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

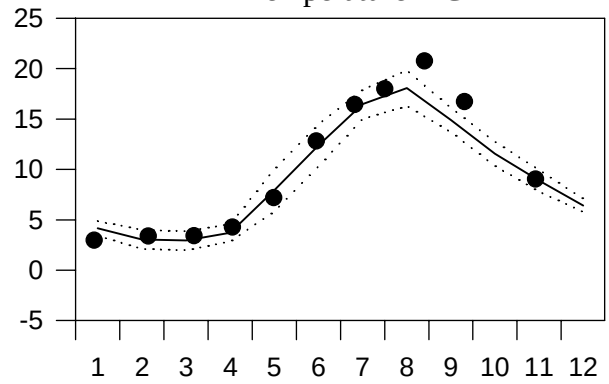


STATION BY5 SURFACE WATER

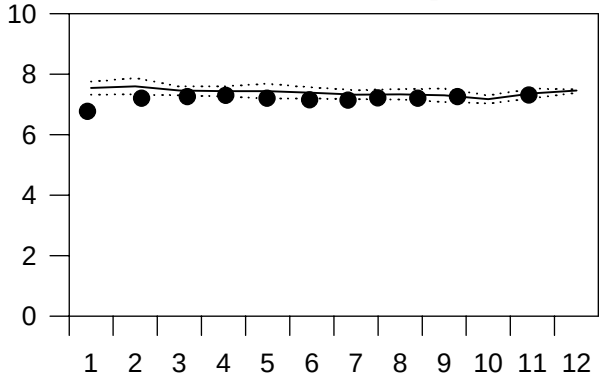
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

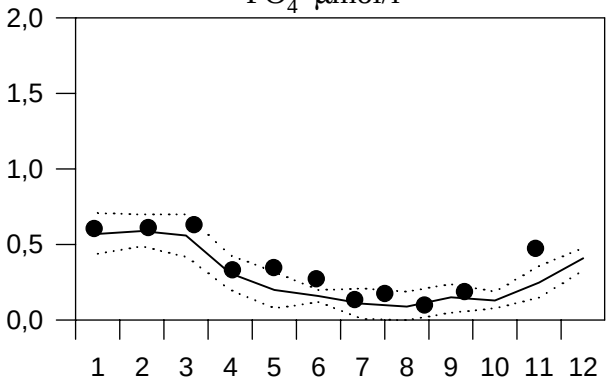
Temperature °C



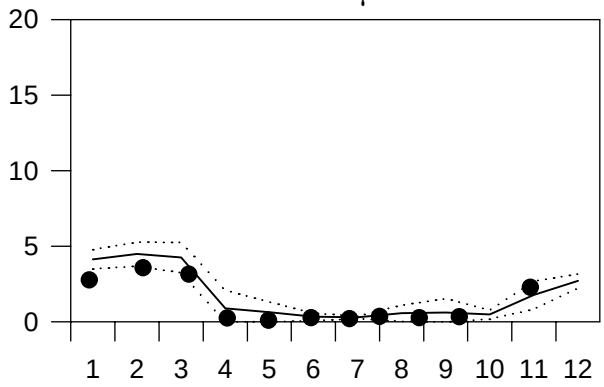
Salinity psu



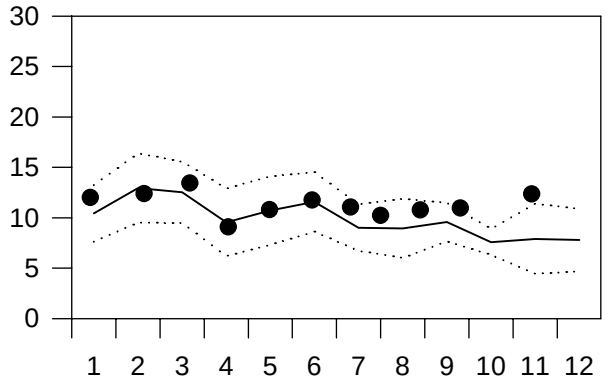
PO_4 µmol/l



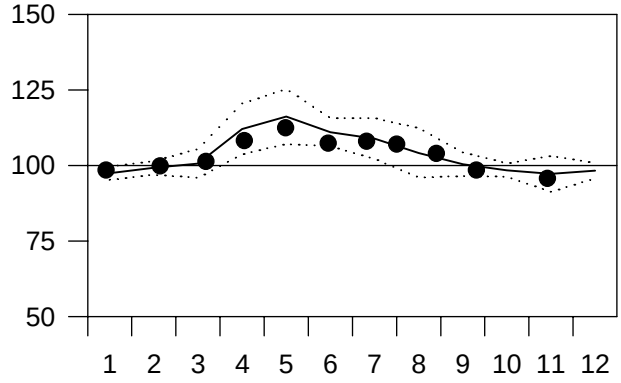
DIN µmol/l



SiO_3 µmol/l

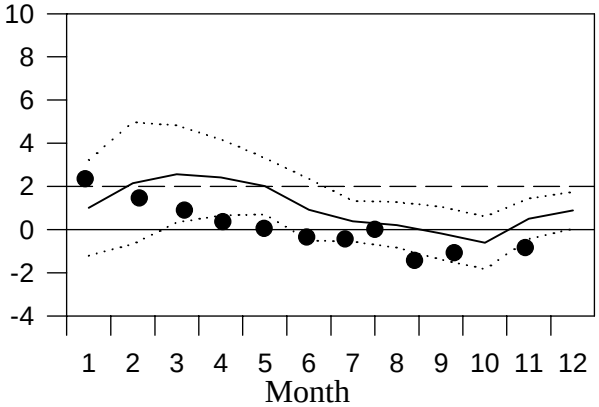


O_2 saturation %

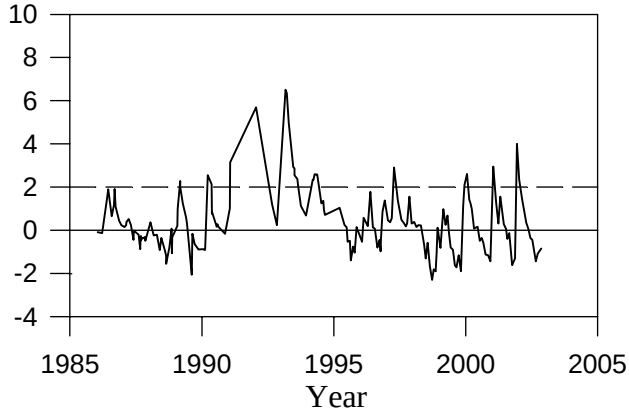


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

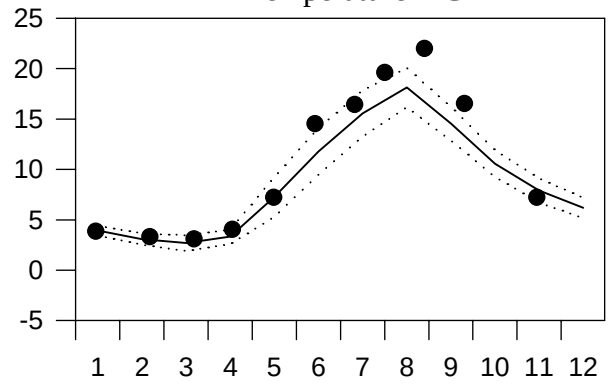


STATION BCS III-10 SURFACE WATER

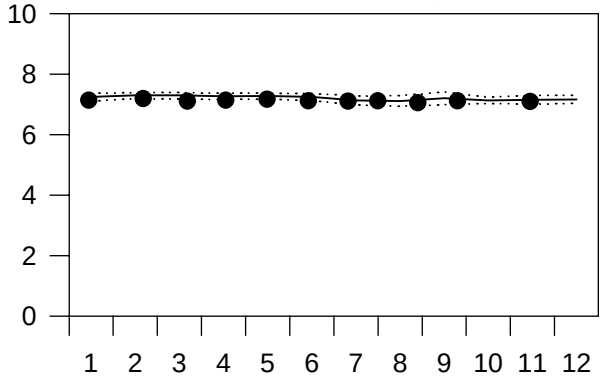
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

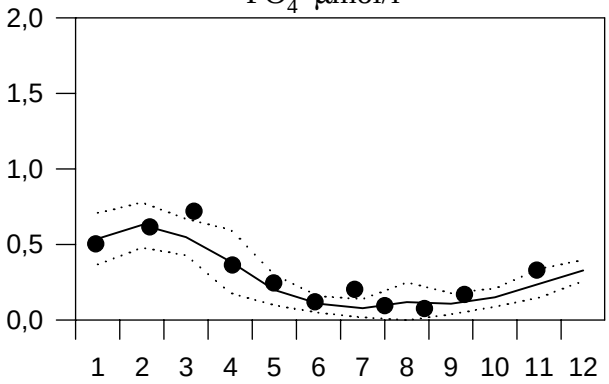
Temperature °C



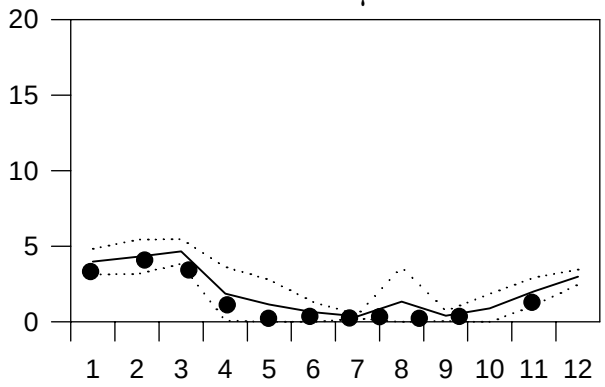
Salinity psu



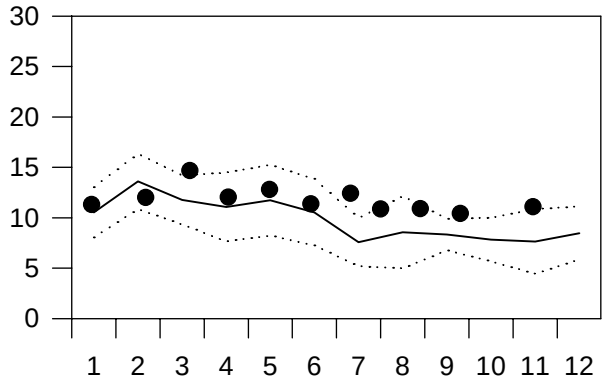
PO_4 µmol/l



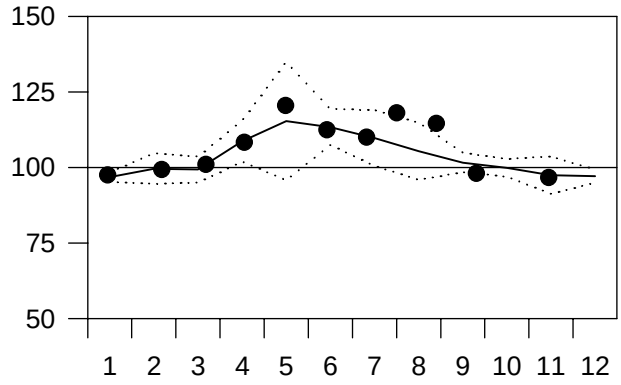
DIN µmol/l



SiO_3 µmol/l

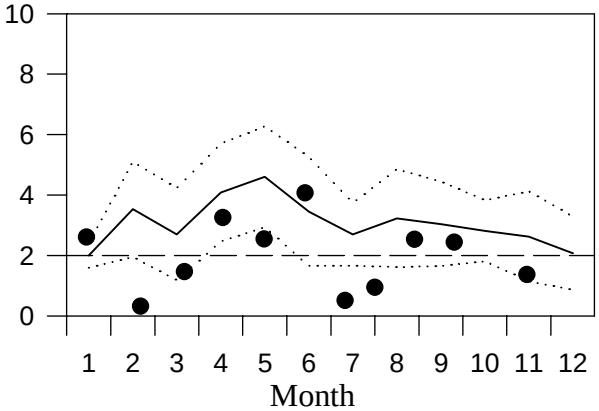


O_2 saturation %

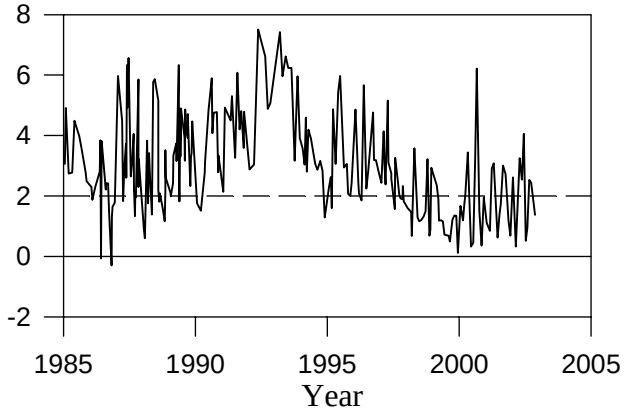


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

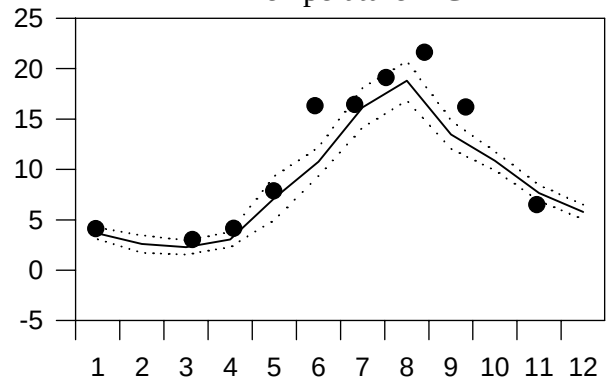


STATION BY10 SURFACE WATER

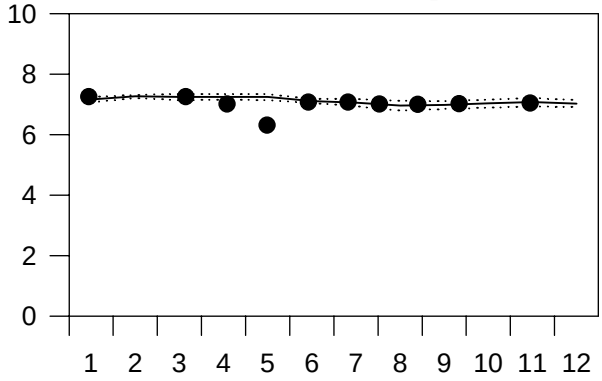
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

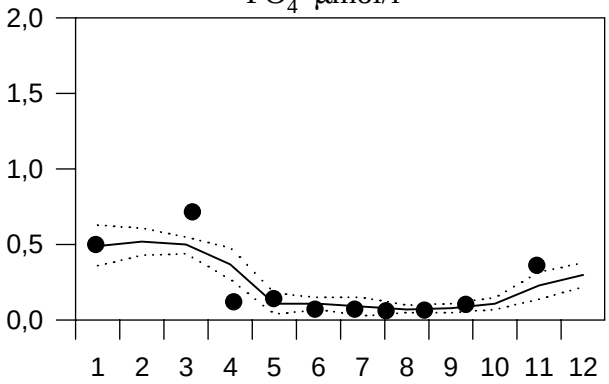
Temperature °C



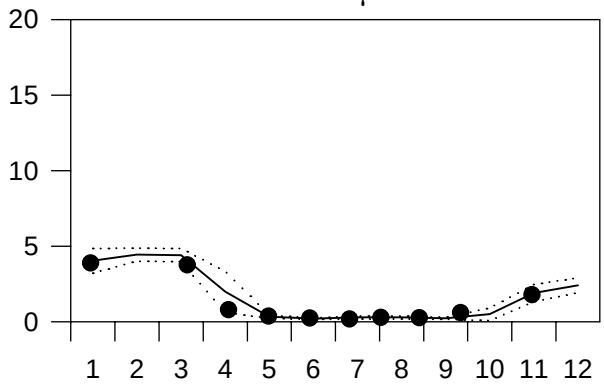
Salinity psu



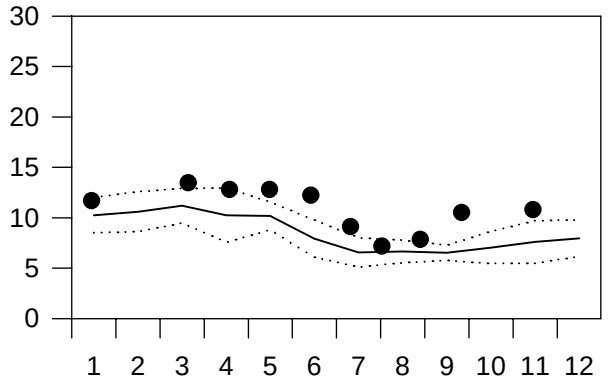
PO_4 µmol/l



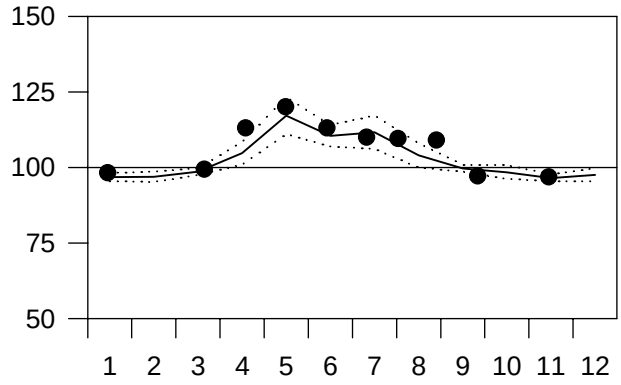
DIN µmol/l



SiO_3 µmol/l

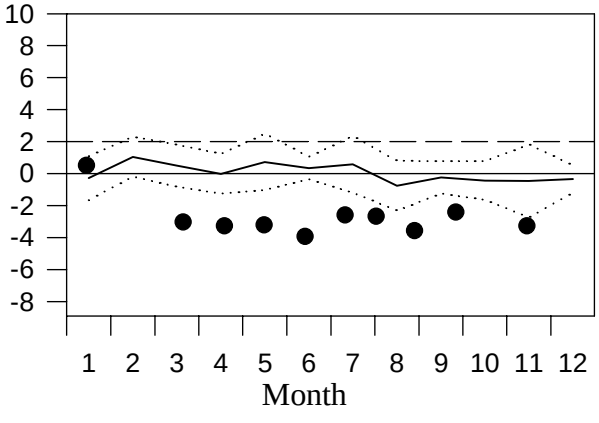


O_2 saturation %

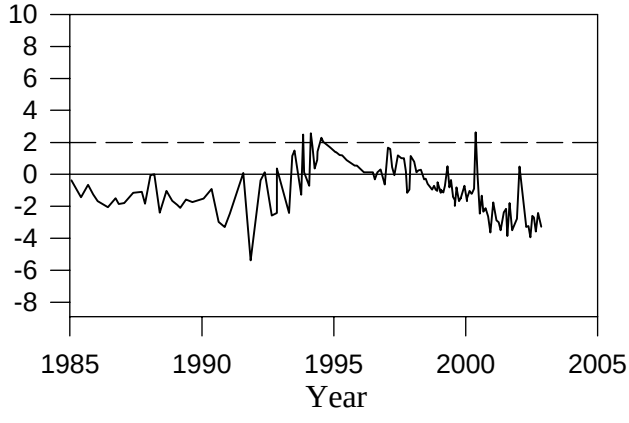


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

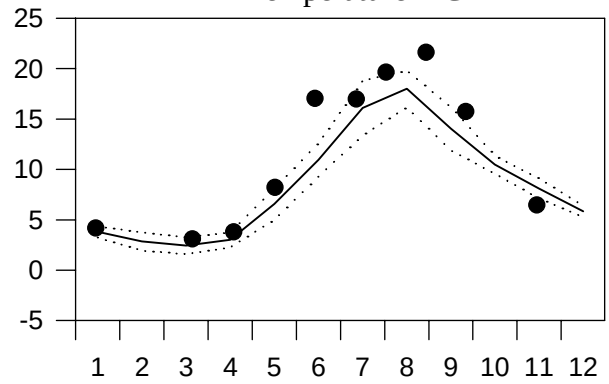


STATION BY15 SURFACE WATER

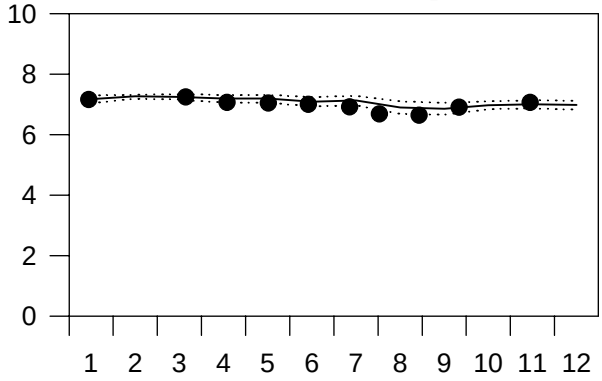
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

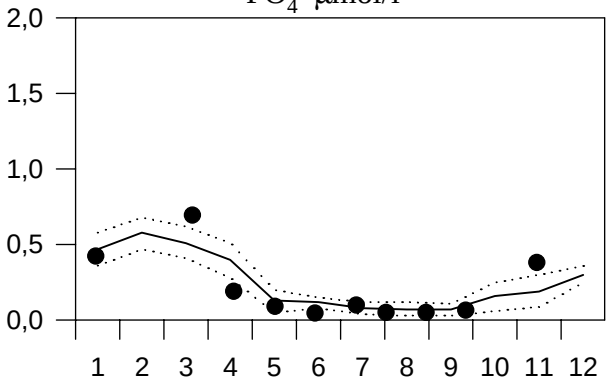
Temperature °C



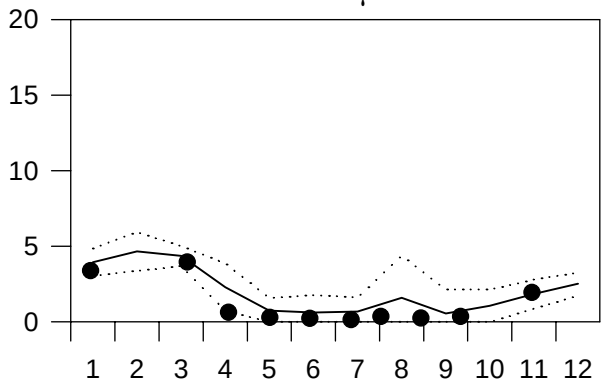
Salinity psu



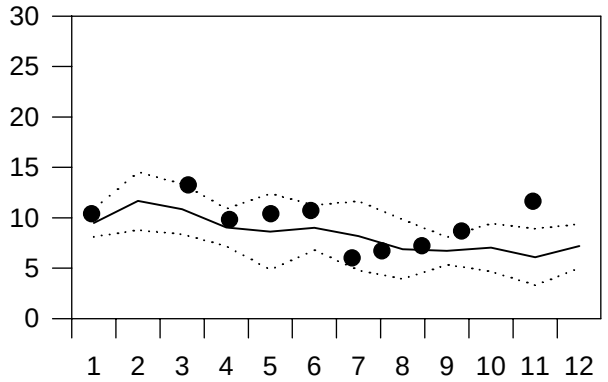
PO_4 µmol/l



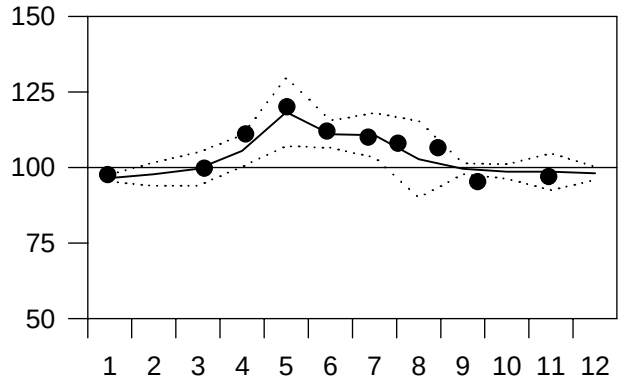
DIN µmol/l



SiO_3 µmol/l

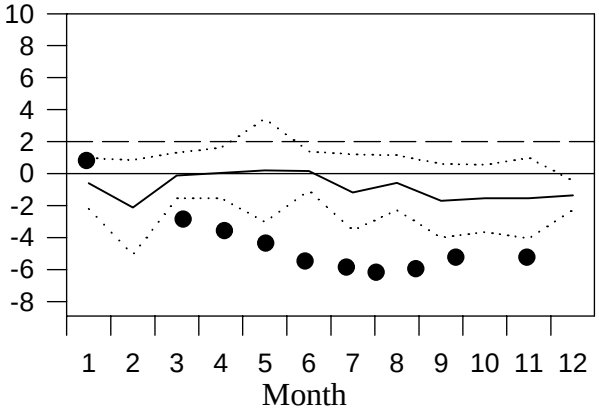


O_2 saturation %

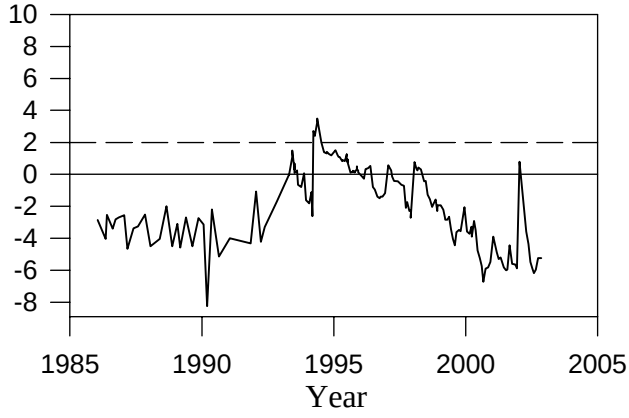


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

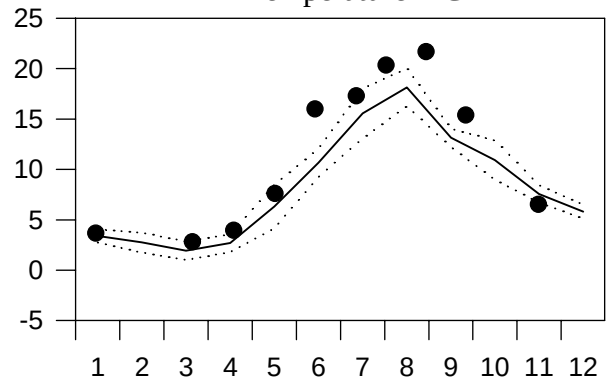


STATION BY20 SURFACE WATER

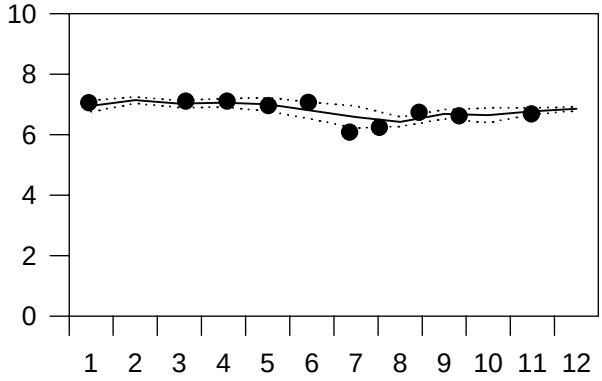
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

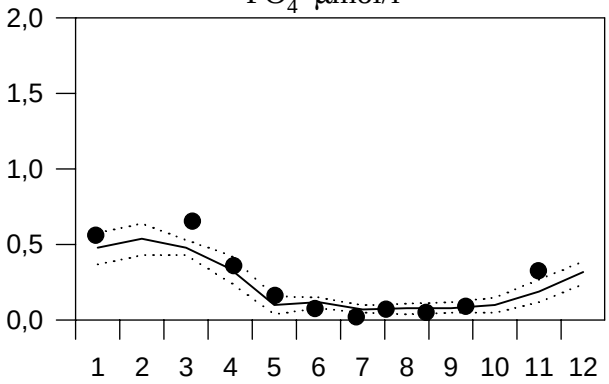
Temperature °C



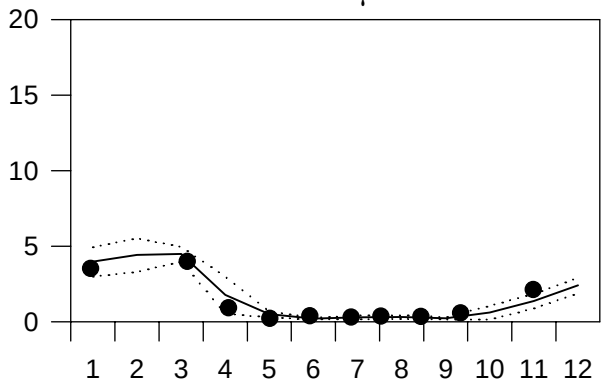
Salinity psu



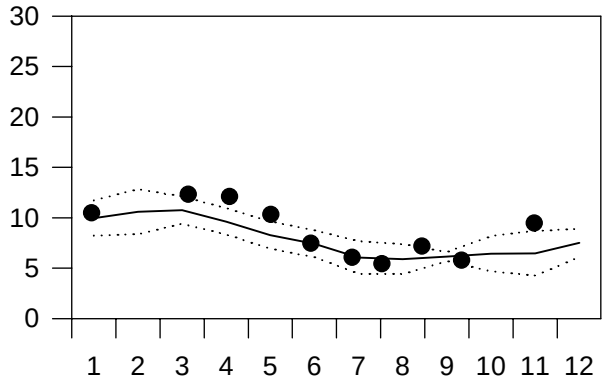
PO_4 µmol/l



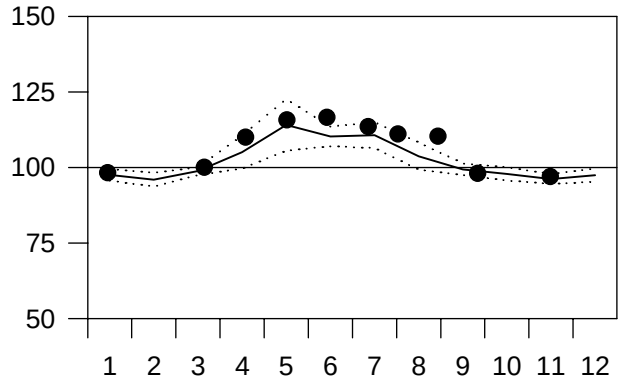
DIN µmol/l



SiO_3 µmol/l

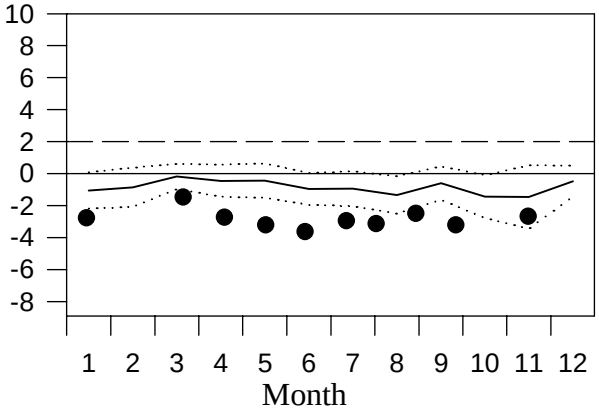


O_2 saturation %

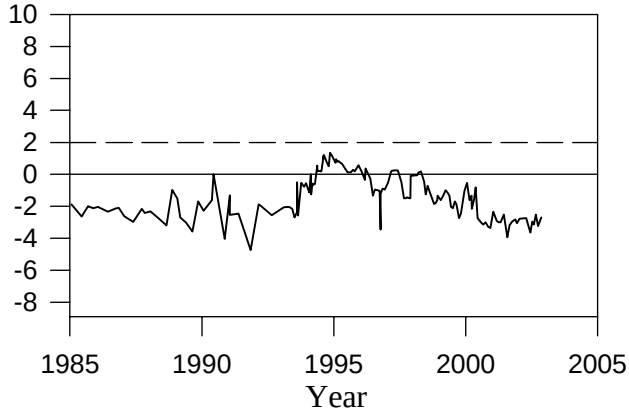


OXYGEN IN BOTTOM WATER

O_2 ml/l



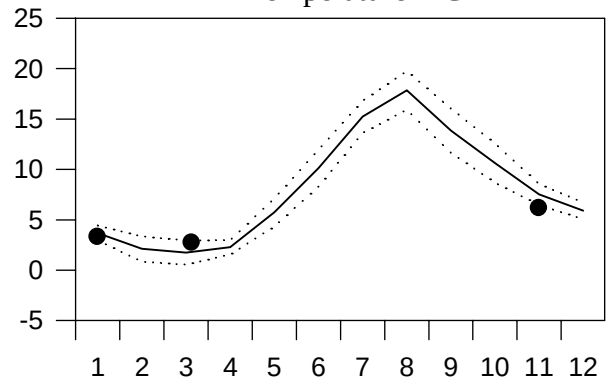
O_2 ml/l



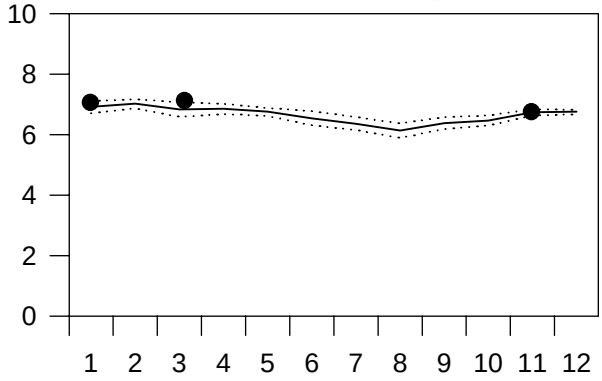
STATION BY29 SURFACE WATER

Annual Cycles

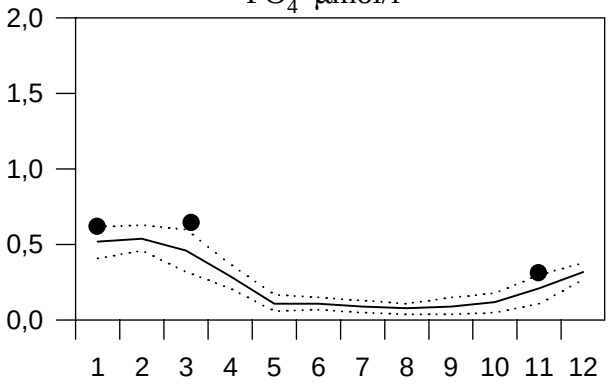
Temperature °C



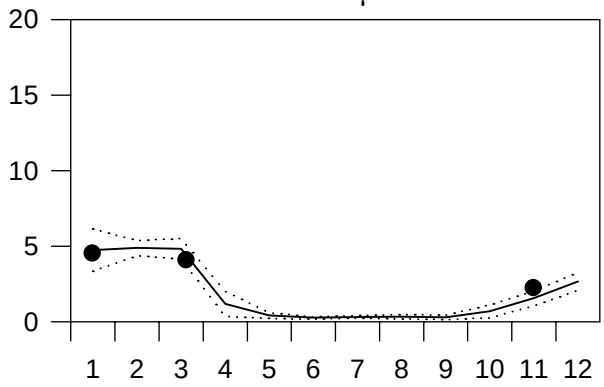
Salinity psu



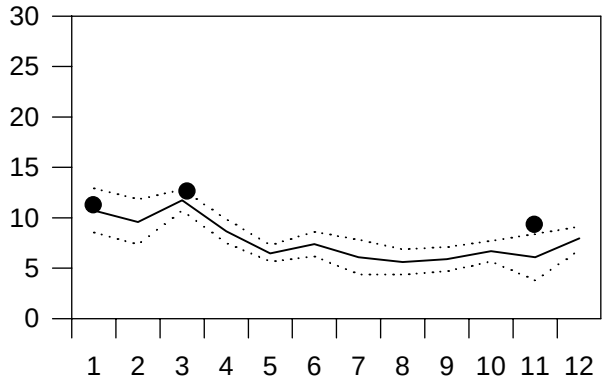
PO_4 µmol/l



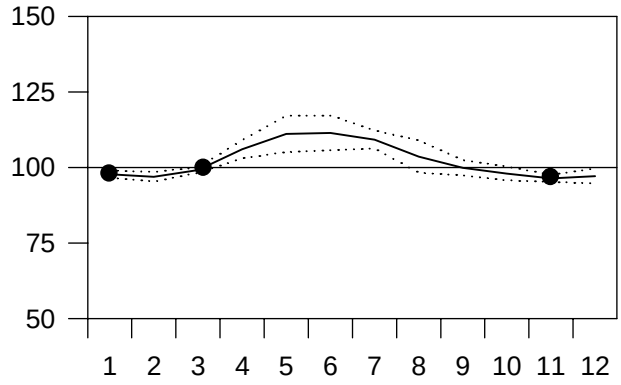
DIN µmol/l



SiO_3 µmol/l

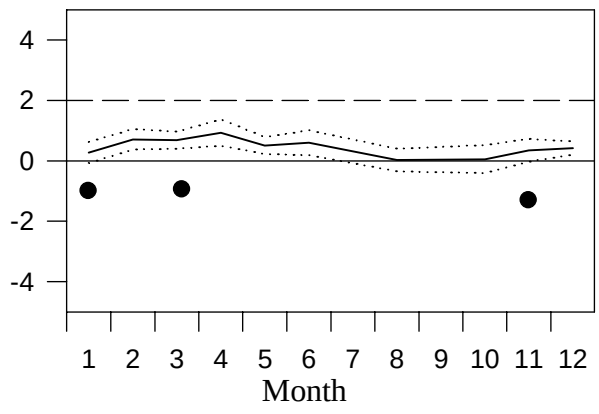


O_2 saturation %

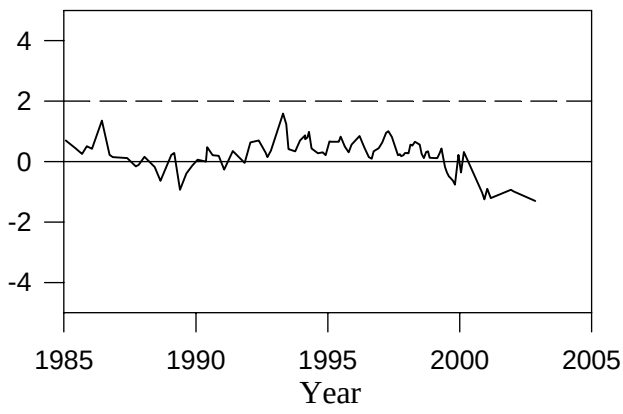


OXYGEN IN BOTTOM WATER

O_2 ml/l



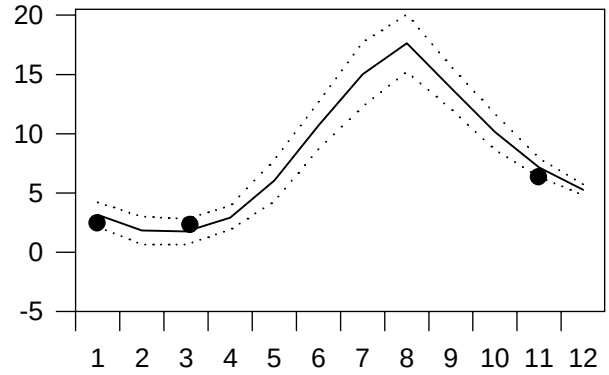
O_2 ml/l



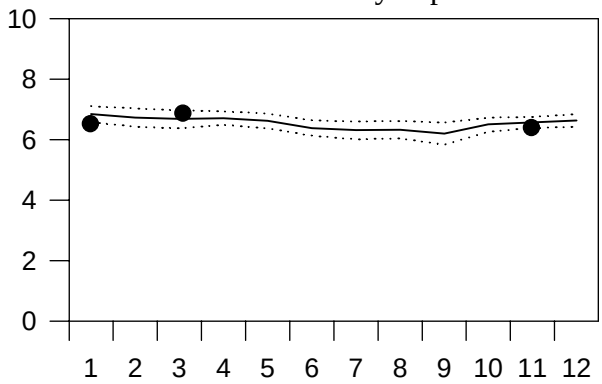
STATION BY31 SURFACE WATER

Annual Cycles

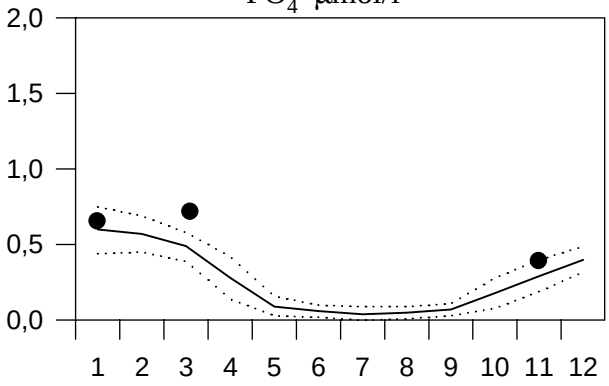
Temperature °C



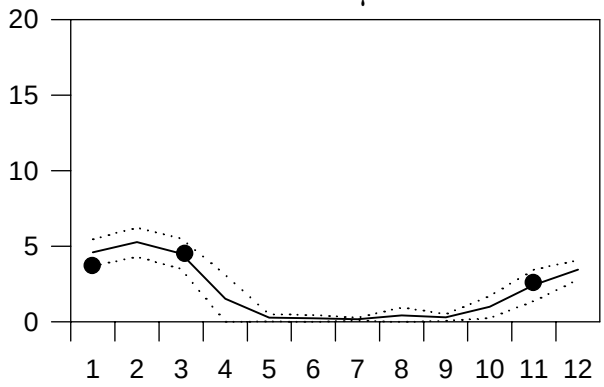
Salinity psu



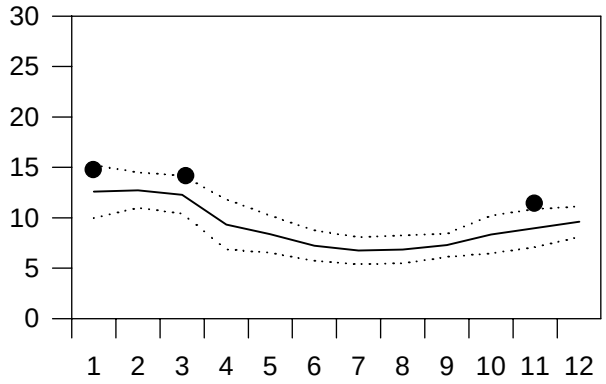
PO_4 µmol/l



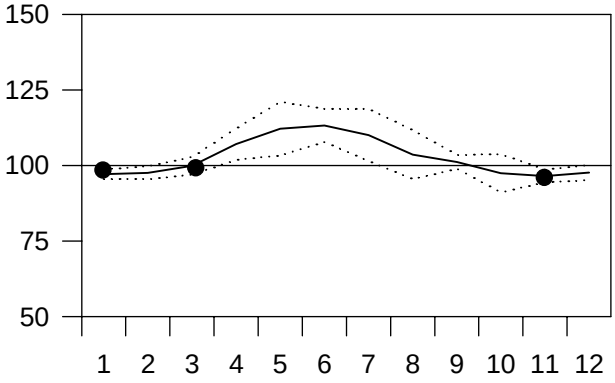
DIN µmol/l



SiO_3 µmol/l

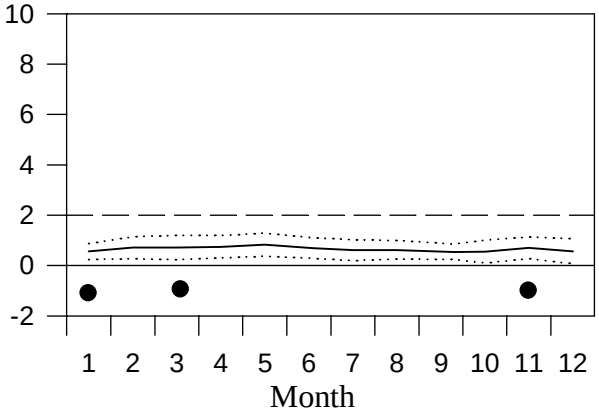


O_2 saturation %

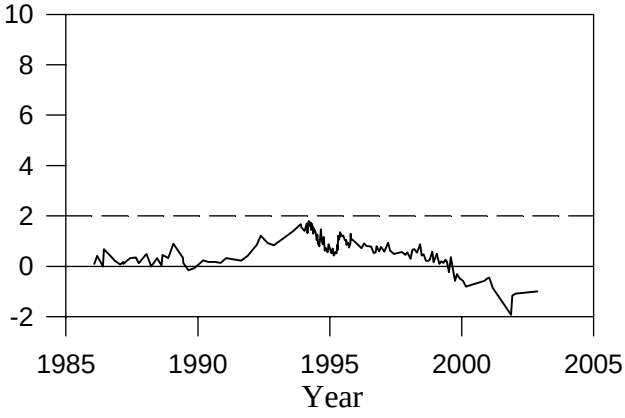


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

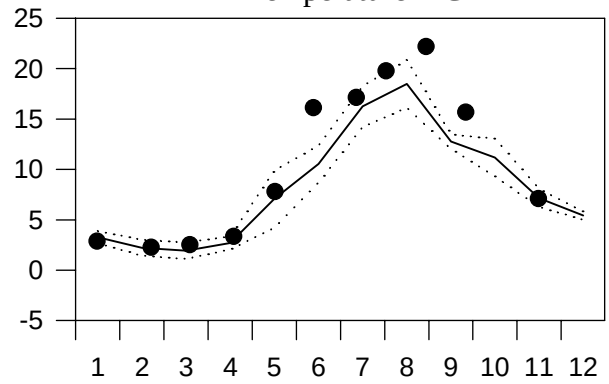


STATION BY32 SURFACE WATER

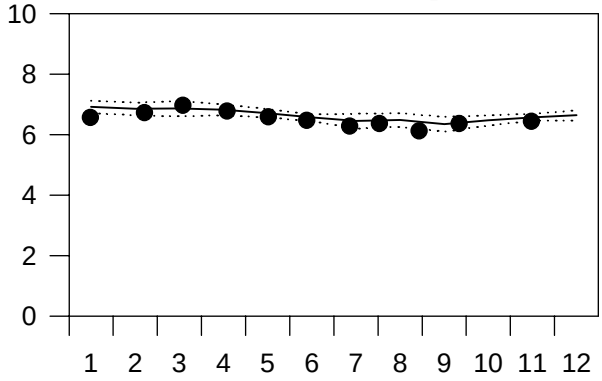
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

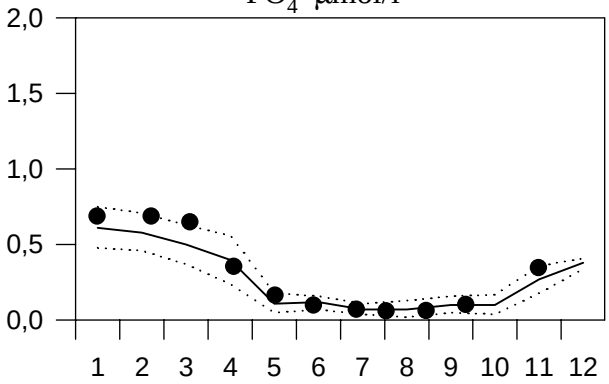
Temperature °C



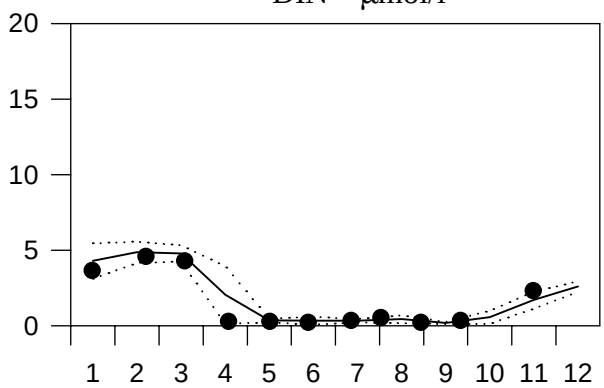
Salinity psu



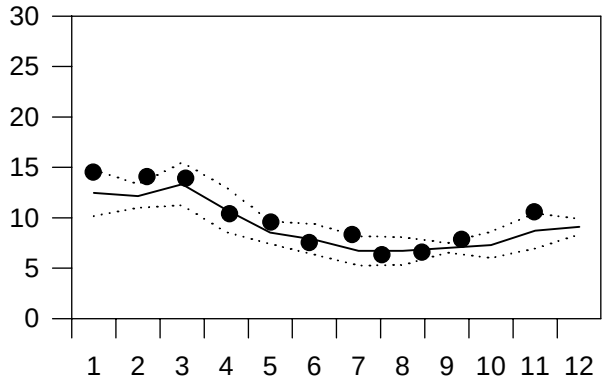
PO_4 µmol/l



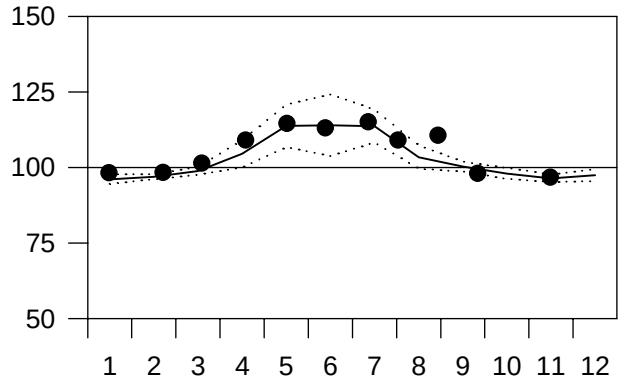
DIN µmol/l



SiO_3 µmol/l

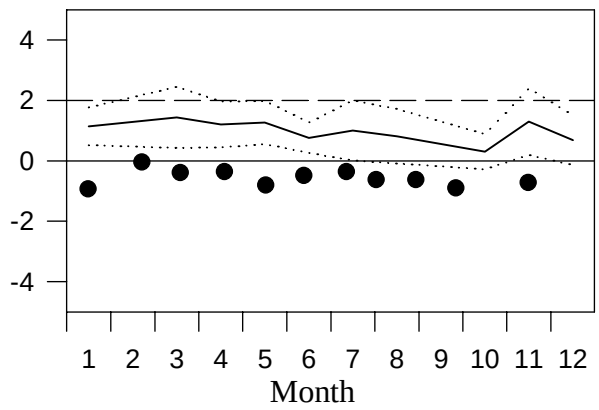


O_2 saturation %

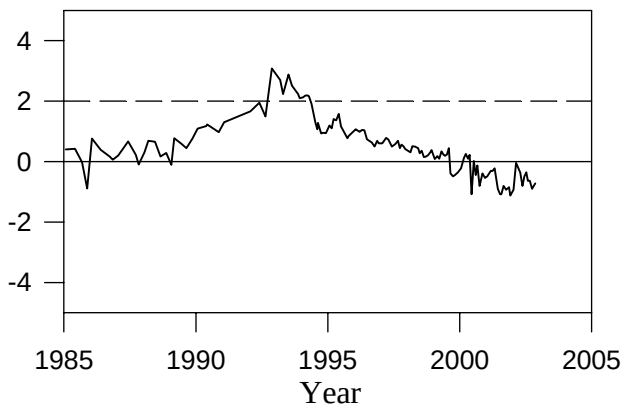


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

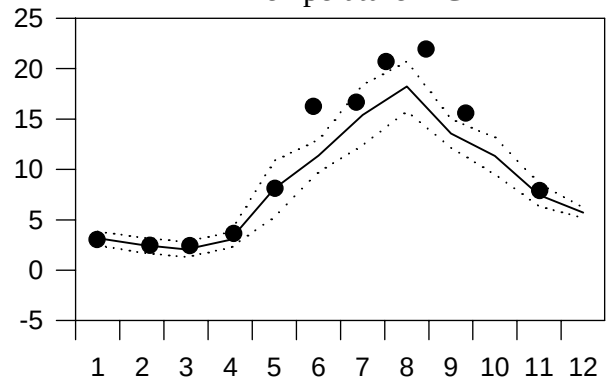


STATION BY38 SURFACE WATER

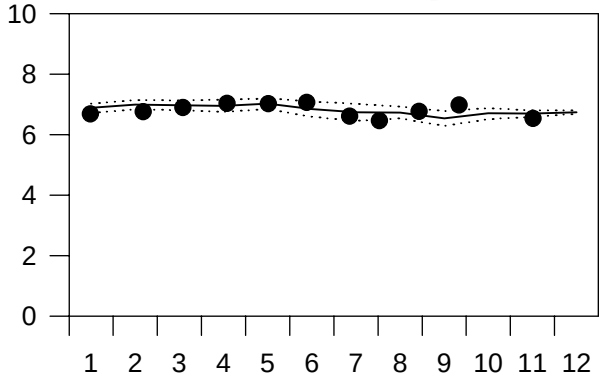
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

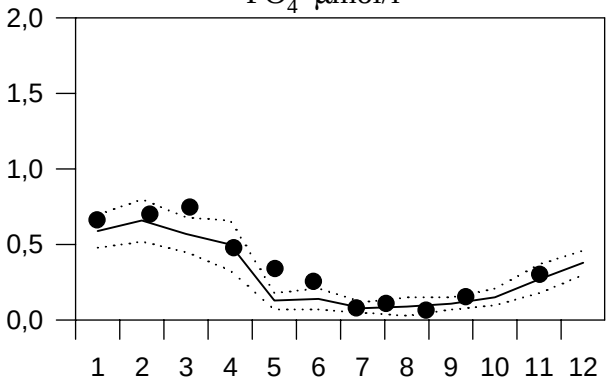
Temperature °C



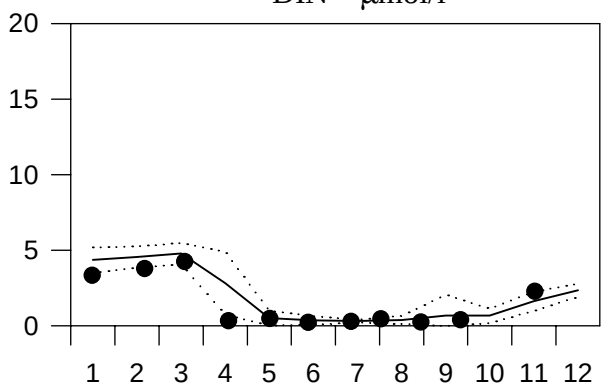
Salinity psu



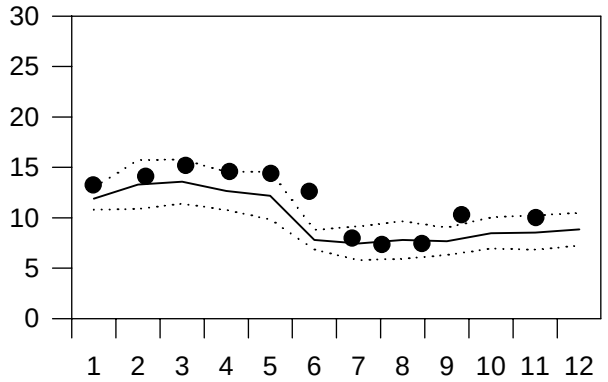
PO_4 µmol/l



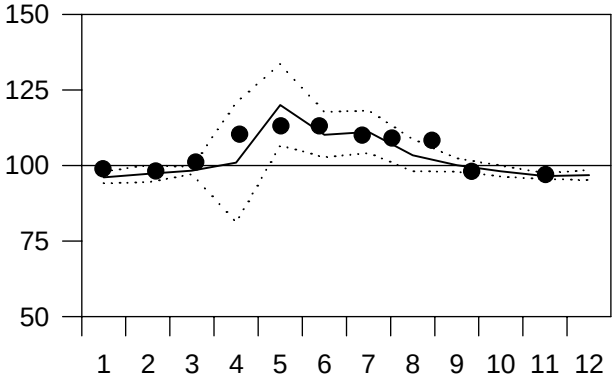
DIN µmol/l



SiO_3 µmol/l

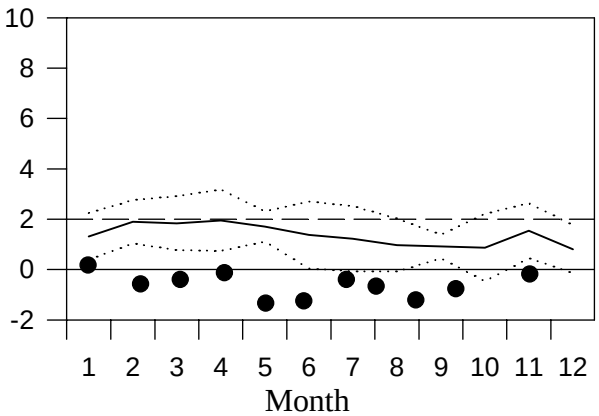


O_2 saturation %

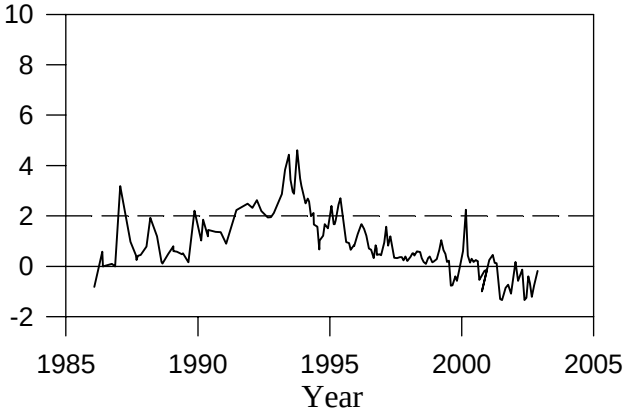


OXYGEN IN BOTTOM WATER

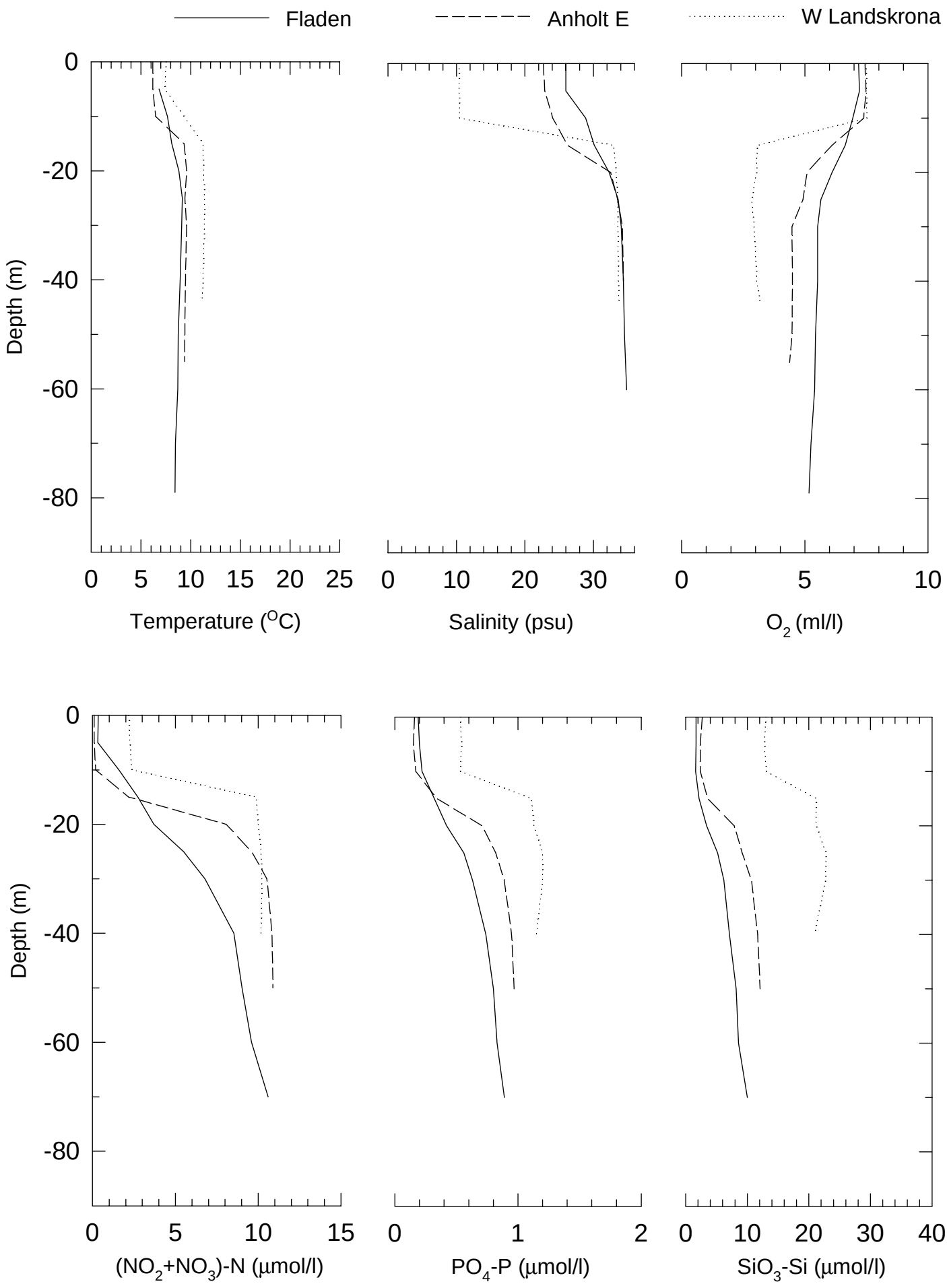
O_2 ml/l



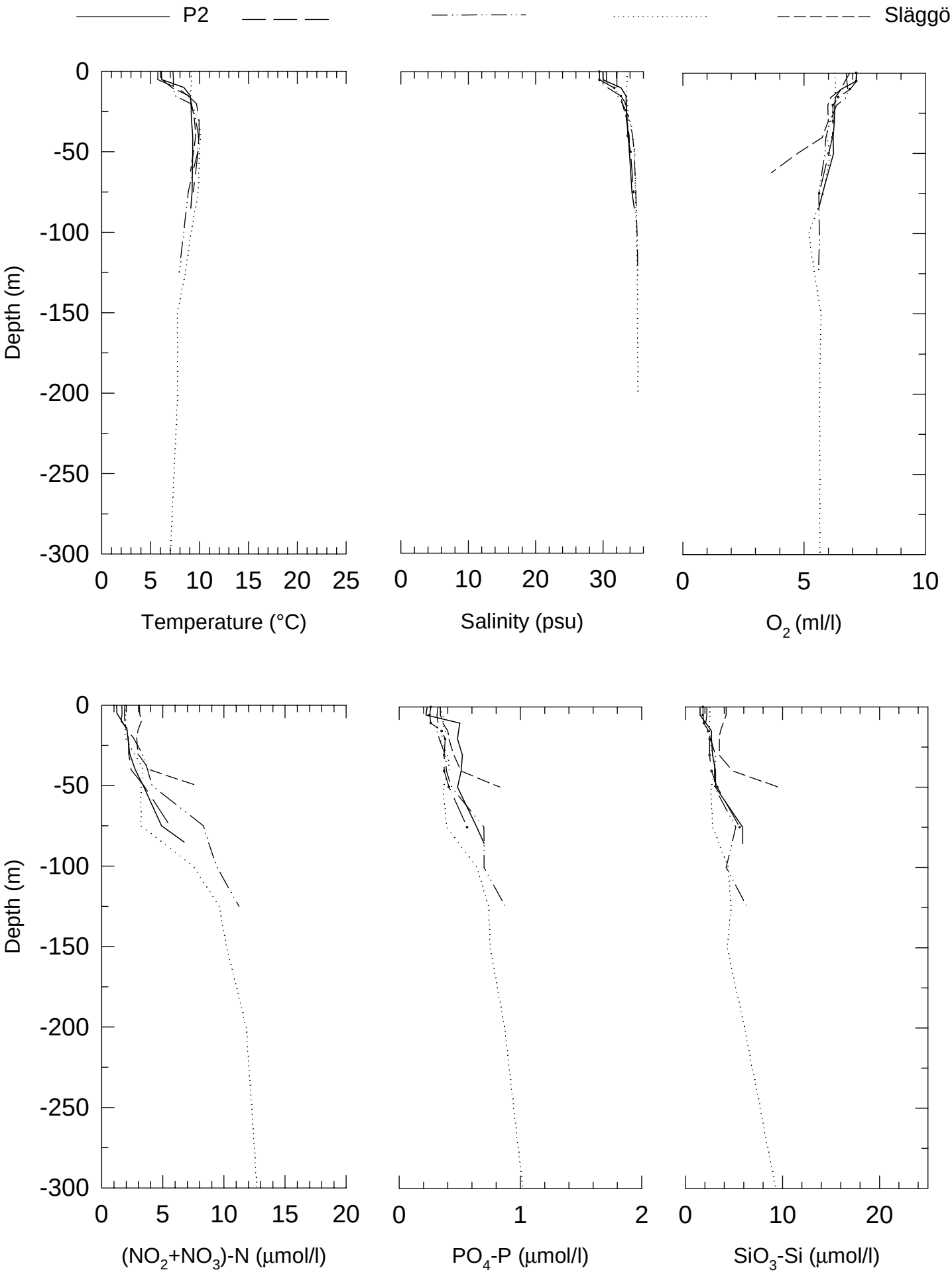
O_2 ml/l



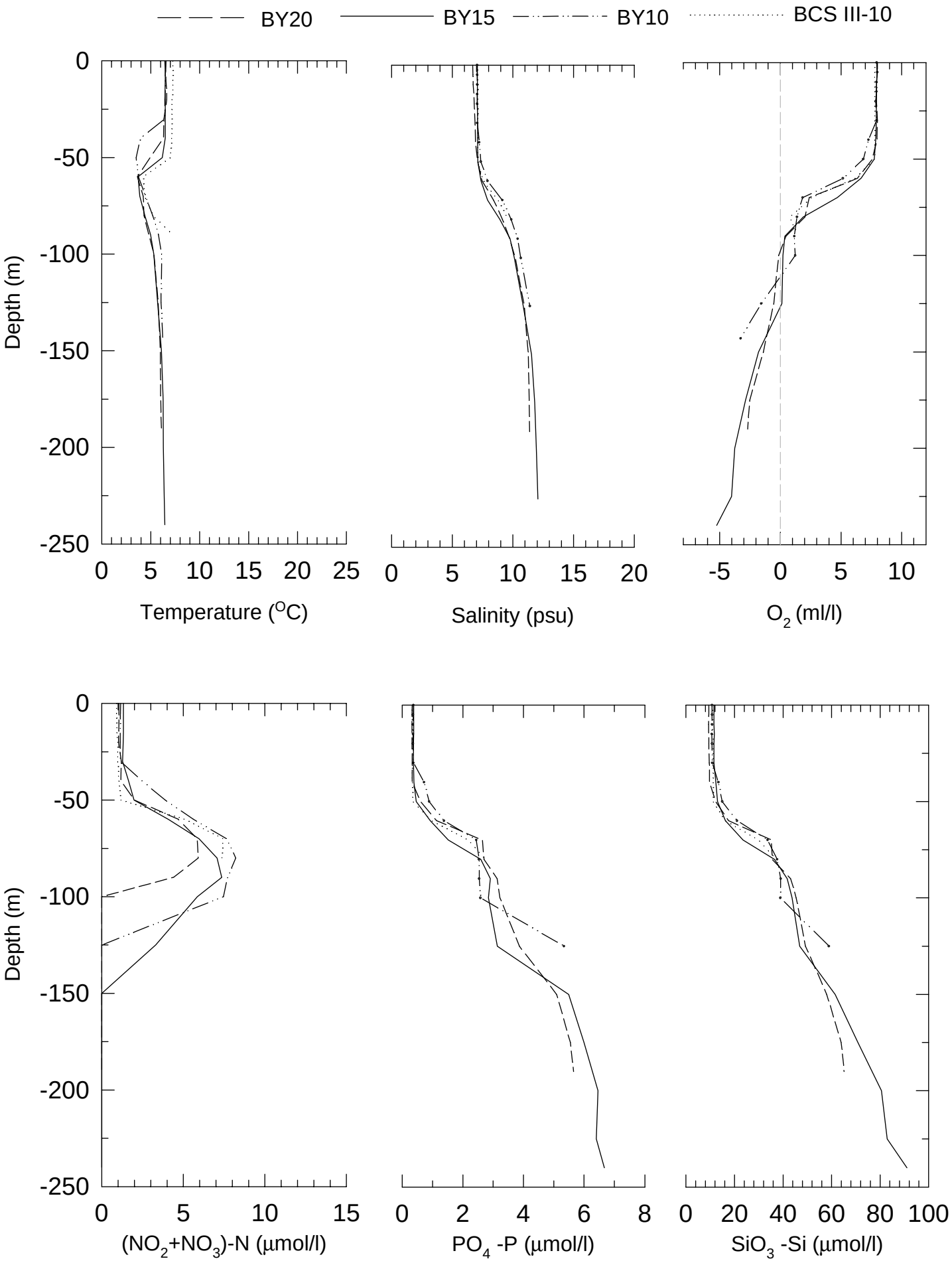
KATTEGAT and THE SOUND 021112-021113

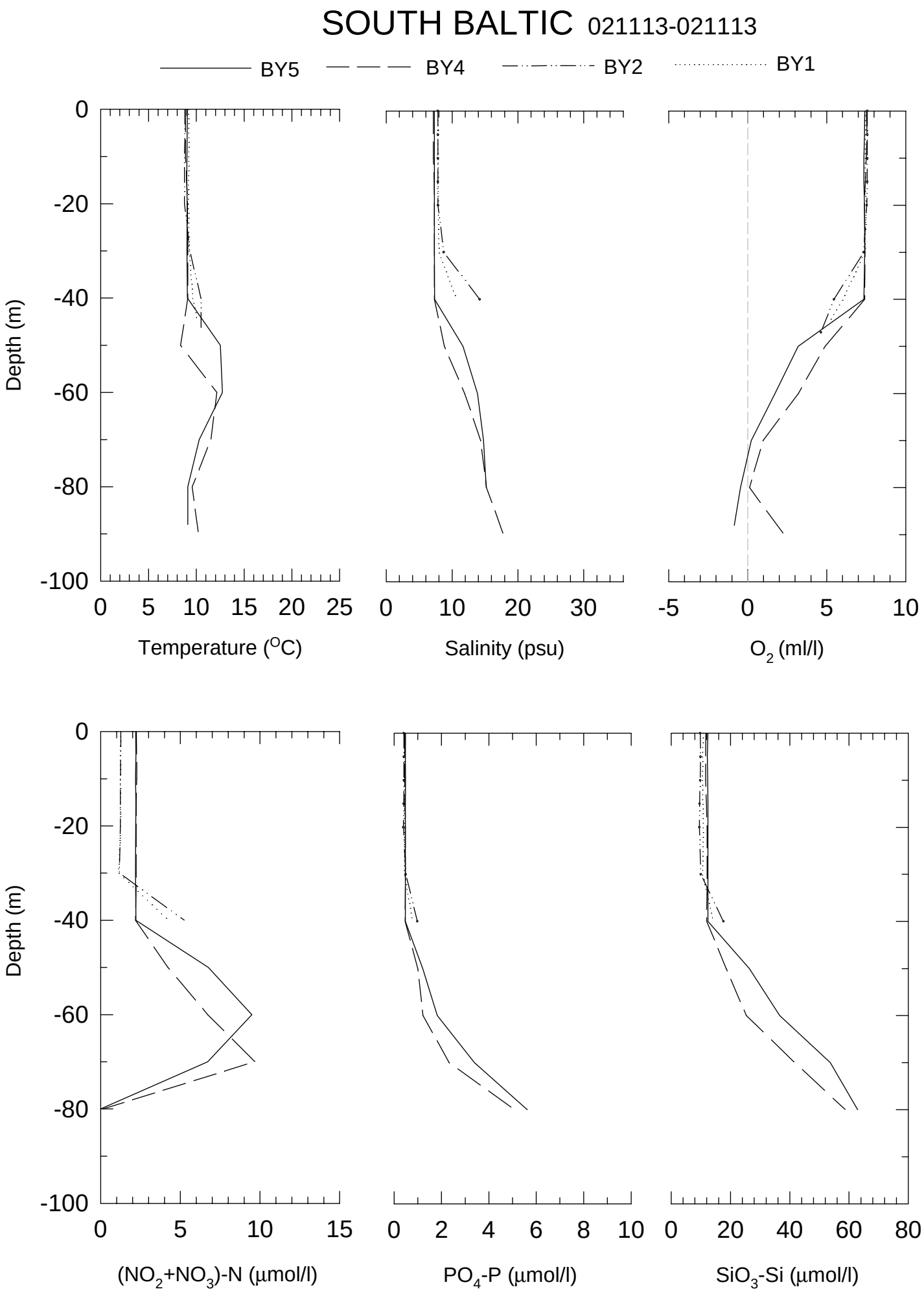


SKAGERRAK 021111-021111

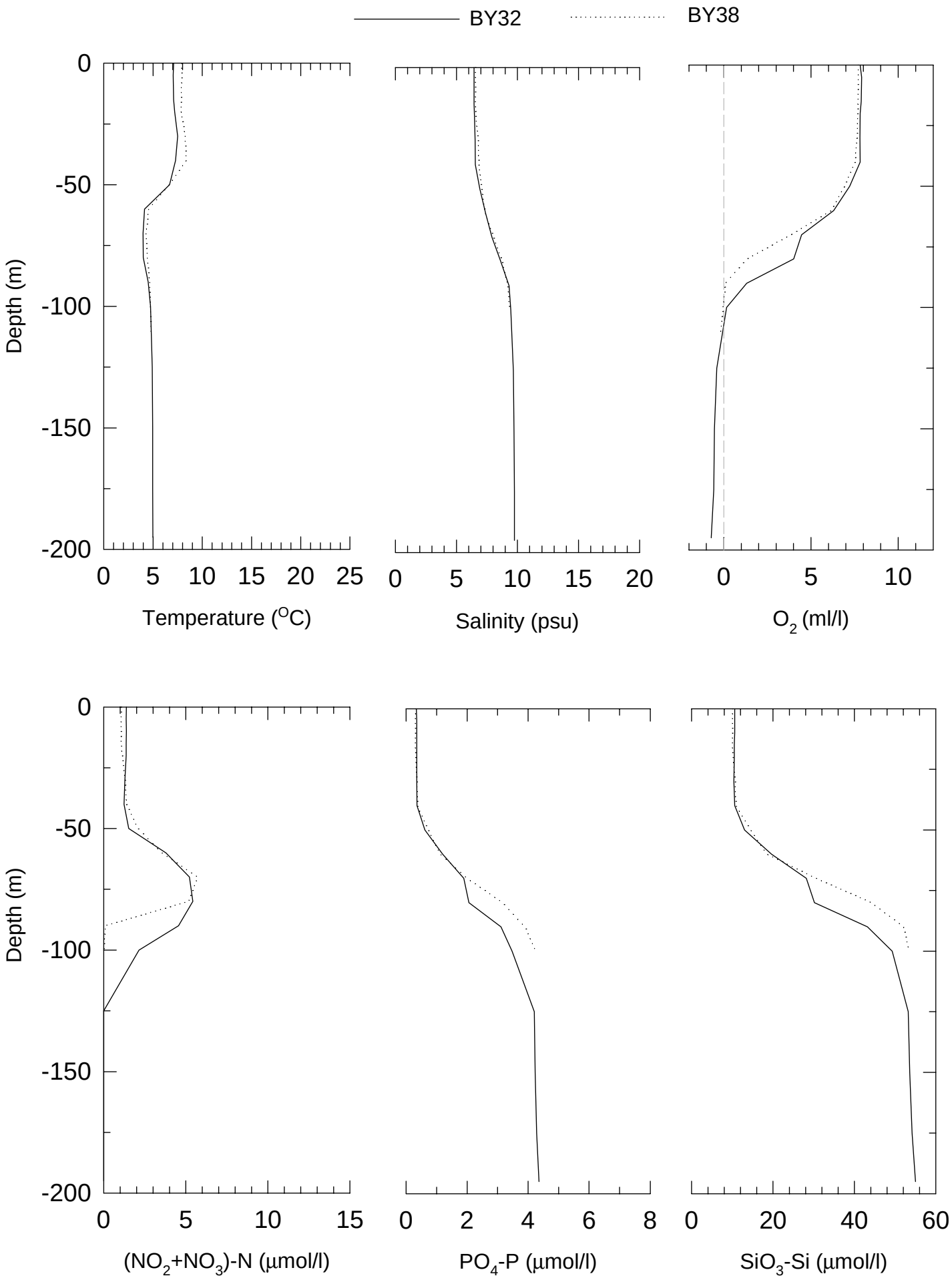


EAST BALTIC 021114-021115




SOUTH BALTIC 021113-021113
BY5
BY4
BY2
BY1
Depth (m)
0
-20
-40
-60
-80
-100
0 5 10 15 20 25
Temperature (°C)
0 10 20 30
Salinity (psu)
-5 0 5 10
O2 (ml/l)
0 5 10 15
(NO2+NO3)-N (µmol/l)
0 2 4 6 8 10
PO4-P (µmol/l)
0 20 40 60 80
SiO3-Si (µmol/l)

WEST BALTIC 02115-021116



NORTH BALTIC 021115-021115