SMHI ***** Hydrographic Ship: 14-Argos ****** Date: 2001-01-23
Ocean lab ***** series Year: 2001 ****** Time: 15:25

Ser no	Stat code	Proj	Station	Lat	Lon	Date yyyymmdd	Time hhmm utc	Bottom depth m	Secchi depth m	Wind di	Wind ve	Air temp C	Air pres hPa	WCSI	Ctd	PPCPZZT	No de	Temp	Salin	Ph	Oxyg	H2S	Po4P	TotP	No2N	No3N	Nh4N	TotN	Alkal	SiO3	Humus	Ligni	PON	POC	TOC	Comm
0001	SKEX23BAS		P2	N5752	E1118	20010115	1230	91	10.5	00	0	2.3	1031	2820	x	--x----	10	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0002	FIBG27BAS		SLÄGGÖ	N5815.5	E1126.0	20010115	1505	63		00	0	1.4	1031	2801	x	--xx---	9	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0003	SKEX14BAS		Å13	N5820.2	E1102	20010115	1655	85		00	0	1.5	1031	9900	x	--x----	9	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0004	SKEX15BAS		Å14	N5819	E1056.5	20010115	1725	113		00	0	1.5	1031	9900	x	-------	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0005	SKEX16BAS		Å15	N5817.7	E1051	20010115	1805	136		00	0	1.5	1031	9900	x	-------	11	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0006	SKEX17BAS		Å16	N5816	E1043.5	20010115	1840	202		36	1	1.6	1032	9900	x	-------	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0007	SKEX18BAS		Å17	N5816.5	E1030.8	20010115	2005	341		99	1	1.6	1032	9900	x	--xx---	14	x	x	x	x	-	x	x	x	x	x	x	x	x	-	-	-	-	-	-
0008	KANX07BAS		GF9	N5726	E1042.5	20010116	0135	27		00	0	1.3	1032	9900	x	-------	6	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0009	KANX06BAS		GF8	N5727.9	E1054	20010116	0230	41		00	0	1.3	1032	9900	x	-------	7	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0010	KANX04BAS		GF6	N5732	E1119.5	20010116	0410	45		00	0	0.5	1031	9900	x	-------	8	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0011	KANX02BAS		SW VINGA GF4	N5733	E1131.5	20010116	0515	78		00	0	0.5	1031	9900	x	-------	11	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0012	KANX25BAS		FLADEN	N5711.5	E1140	20010116	0745	90		99	1	1.4	1030	2810	x	--x----	13	x	x	x	x	-	x	x	x	x	x	x	x	x	-	-	-	-	-	-
0013	KANX26BAS		L:A MIDDELGRUND	N5657.5	E1145.5	20010116	0950	98	12.5	00	0	1.8	1030	4800	x	-------	13	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0014	KAEX29BAS		ANHOLT E	N5640.0	E1207.0	20010116	1225	52	12	18	1	1.8	1030	4800	x	-xxxx--	9	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	-	-	-	-
0015	KAEX30BAS		ST MIDDELGRUND	N5634	E1213	20010116	1350	51		18	1	1.8	1030	2800	x	-------	8	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0016	KAEL63BAS		LAHOLM-3 (YG)	N5633.3	E1234	20010116	1520	21		05	2	2.2	1030	2820	x	-------	5	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0017	KAEX33BAS		KULLEN	N5614	E1222.2	20010116	1745	24		14	6	-1.0	1029	9920	x	-------	6	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0018	SONX33BAS		ÖRESUND-12X	N5607.6	E1231.0	20010116	1855	26		23	2	-1.0	1029	9910	x	-------	6	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0019	SOCX39BAS		W LANDSKRONA	N5552.0	E1245.0	20010116	2120	50		09	4	1.0	1029	9910	x	--x----	9	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0020	SOCX41BAS		ÖRESUND-7	N5546.2	E1247.8	20010116	2225	20		09	5	0.9	1029	9910	x	-------	5	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0021	SOCX44BAS		ÖRESUND-4	N5538.8	E1257.3	20010116	2335	14		09	4	1.5	1029	9920	x	-------	4	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0022	SOSX46BAS		ÖRESUND-2	N5533.25	E1245.5	20010117	0100	11		09	6	1.9	1028	9920	x	-------	3	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0023	BPSA02BAS		BY1	N5500	E1318	20010117	0600	47		16	7	2.5	1027	9930	x	-------	8	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0024	BPSA03BAS		BY2 ARKONA	N5500	E1405	20010117	0905	48	9.5	14	8	3.2	1027	2720	x	--xx---	8	x	x	x	x	-	x	x	x	x	x	x	-	x	x	-	-	-	-	-

SMHI ***** Hydrographic Ship: 14-Argos ****** Date: 2001-01-23

Ocean lab ***** series Year: 2001 ****** Time: 15:25

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 Hrhhoor Cilyooa motPBw PrP l	No de	Temp	Salin	Ph	Oxyg	H2S	Po4P	TotP	No2N	No3N	Nh4N	TotN	Alkal	SiO3	Humus	Ligni	PON	POC	TOC	Comm
0025	BPSB06BAS		BY4 CHRISTIANSÖ	N5523	E1520	20010117	1415	92	10	14	6	2.9	1027	2720	x	-------	12	x	x	-	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0026	BPSB07BAS		BY5 BORNHOLMSDJ	N5515	E1559	20010117	1730	91		11	5	2.3	1027	9920	x	-xxx---	12	x	x	x	x	-	x	x	x	x	x	x	x	x	x	-	-	-	-	-
0027	BPSE11BAS		BCS III-10	N5533.3	E1824	20010118	0155	90		11	6	2.4	1028	9920	x	--xx---	12	x	x	x	x	-	x	x	x	x	x	x	-	x	x	-	-	-	-	x
0028	BPEX13BAS		BY10	N5638	E1935	20010118	0920	143	13	14	5	1.5	1031	2830	x	--x----	15	x	x	-	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	x
0029	BPEX21BAS		BY15 GOTLANDSDJ	N5720	E2003	20010118	1345	249		14	4	3.1	1032	2830	x	--xx---	19	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
0030	BPEX21BAS		BY15 GOTLANDSDJ	N5720	E2003	20010118	1440	249		14	4	3.1	1032	2830	-	-------	5	x	x	-	x	-	x	-	x	x	-	-	-	x	-	-	-	-	-	-
0031	BPEX26BAS		BY20 FÅRÖDJ	N5800	E1953	20010118	1935	203		16	8	2.0	1031	9930	x	--x----	17	x	x	-	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0032	BPNX35BAS		BY29	N5853	E2019	20010119	0120	180		23	5	3.9	1031	9920	x	--xx---	16	x	x	-	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0033	BPNX37BAS		BY31 LANDSORTSDJ	N5835	E1814	20010119	0840	459	11	99	1	3.0	1032	2810	x	--xx---	23	x	x	x	x	x	x	x	x	x	x	x	-	x	x	-	-	-	-	-
0034	BPWX38BAS		BY32 NORRKÖPINGSDJ	N5801	E1759	20010119	1300	204	12	14	5	3.3	1030	2820	x	-------	17	x	x	-	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	x
0035	BPWX45BAS		BY38 KARLSÖDJ	N5707	E1740	20010119	1820	112		14	6	1.4	1029	9930	x	--xx---	14	x	x	x	x	-	x	x	x	x	x	x	-	x	x	-	-	-	-	-
0036	BPSH05BAS		HANÖBUKTEN	N5537	E1452	20010120	0700	80		14	3	2.0	1028	2810	x	-------	11	x	x	-	x	x	x	-	x	x	x	-	-	x	-	-	-	-	-	-
0037	KAWX14BAS		925 KATTEGAT SW	N5607.9	E1109.6	20010120	2045	45		14	5	2.4	1030	9910	x	-------	8	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0038	KAWA11BAS		409 ÅLBORG BUGT	N5651.4	E1047.5	20010121	0055	14		14	7	5.0	1030	9930	x	-------	4	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	x
0039	KANX09BAS		LÄSÖ RÄNNA	N5717.6	E1044.5	20010121	0340	45		11	7	3.9	1030	9930	x	-------	8	x	x	-	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	-

T R A C K C H A R T

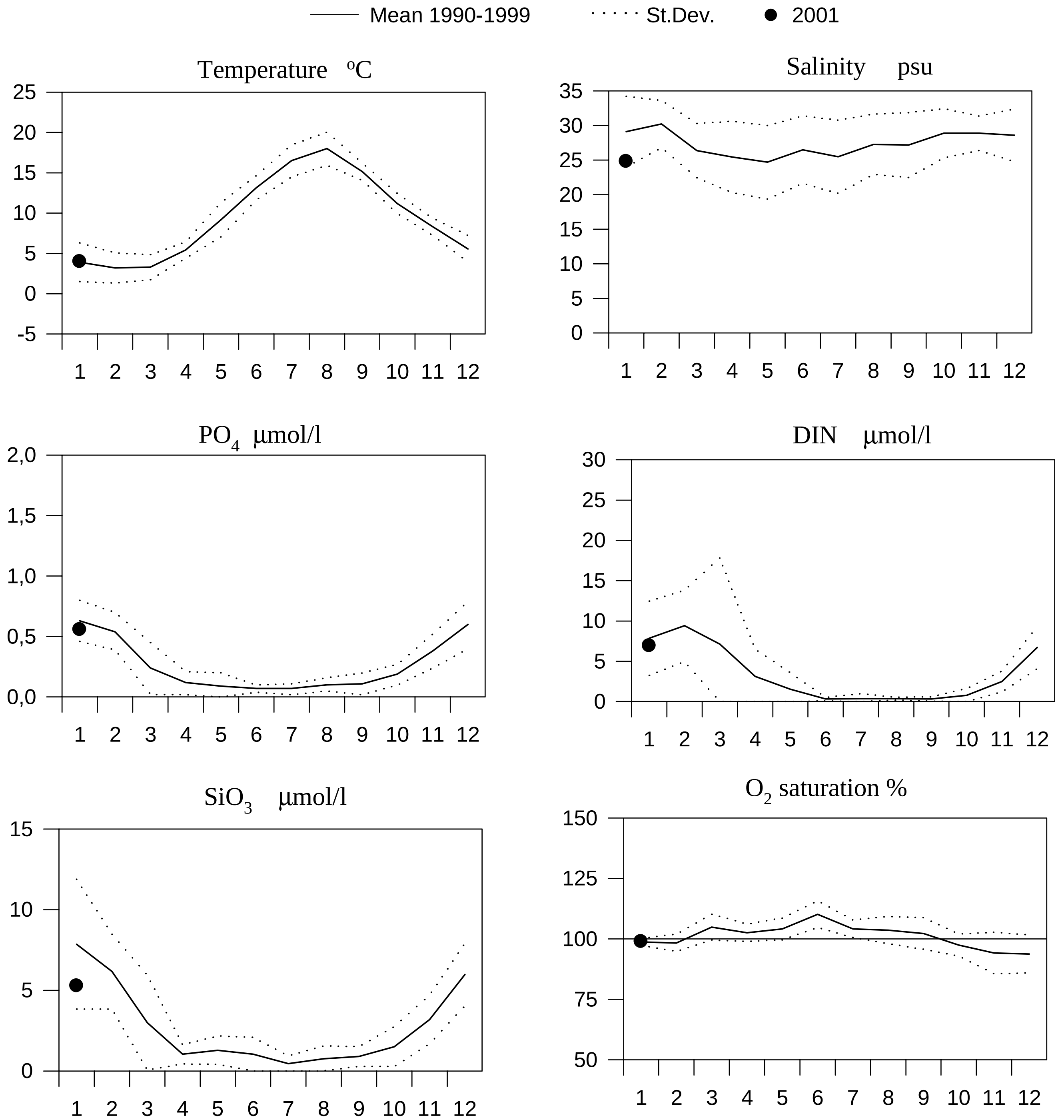
Country: Sweden
Ship : Argos
Date : 20010115-20010121
Series : 0001-0039

Bottom water oxygen concentration (ml/l)

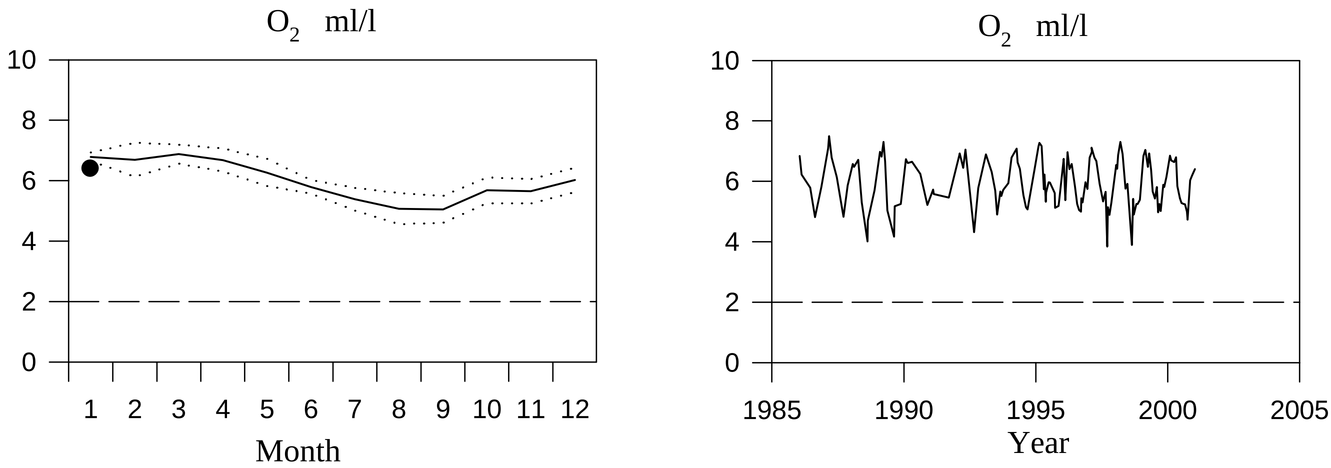
Country: Sweden
Ship   : Argos
Date   : 20010116-20010121
Series : 0012-0039

STATION P2 SURFACE WATER

Annual Cycles



OXYGEN IN BOTTOM WATER

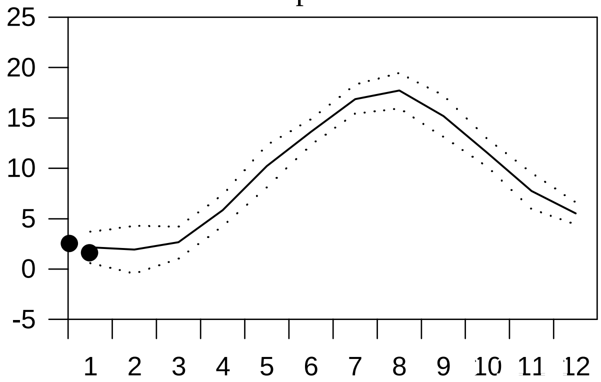


STATION SLÄGGÖ SURFACE WATER

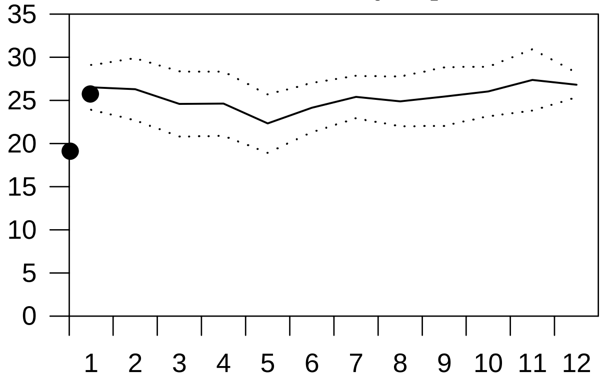
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

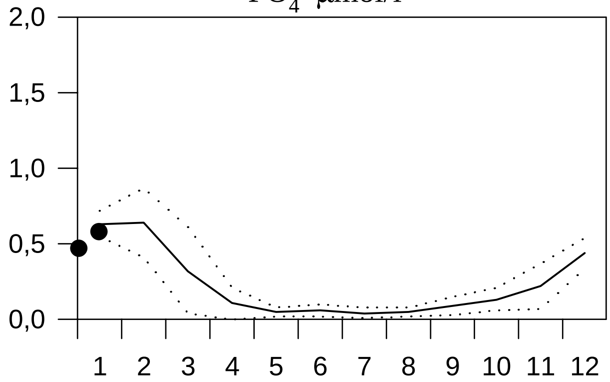
Temperature ^{o}C



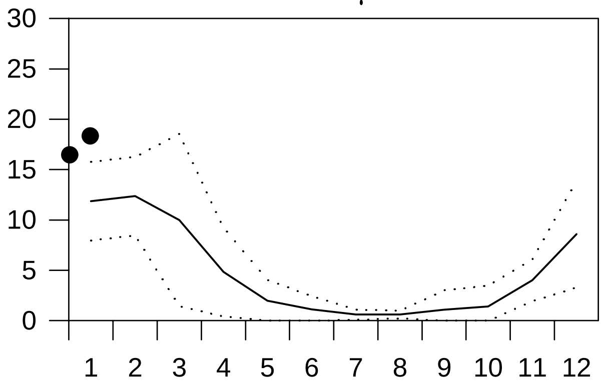
Salinity psu



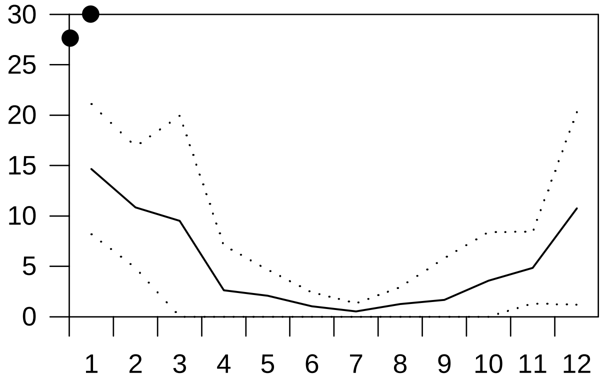
PO_4 μmol/l



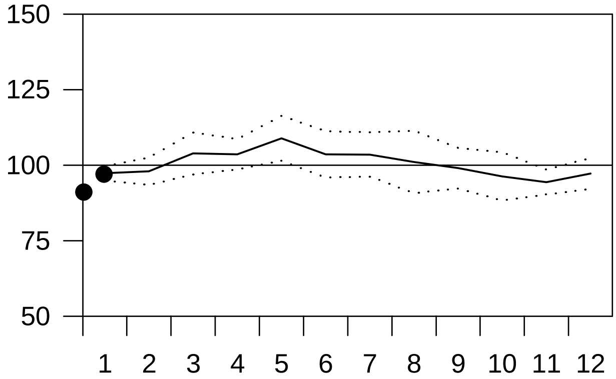
DIN μmol/l



SiO_3 μmol/l

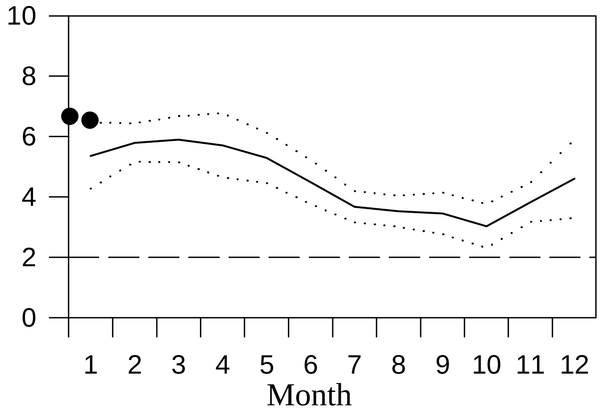


O_2 saturation %

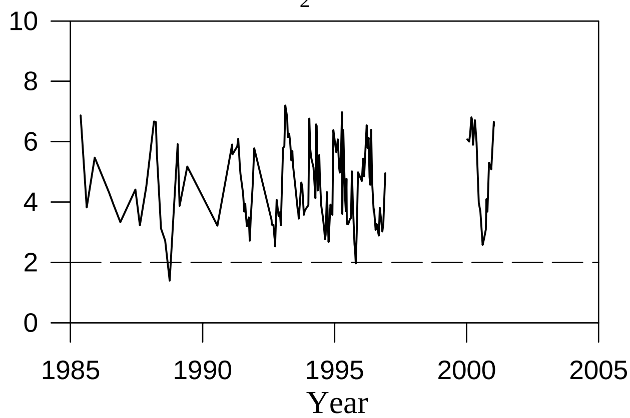


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

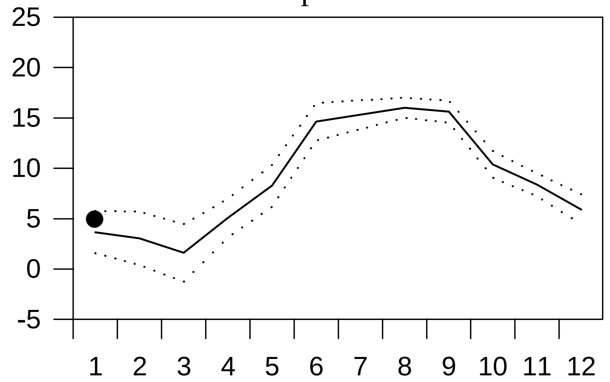


STATION Å13 SURFACE WATER

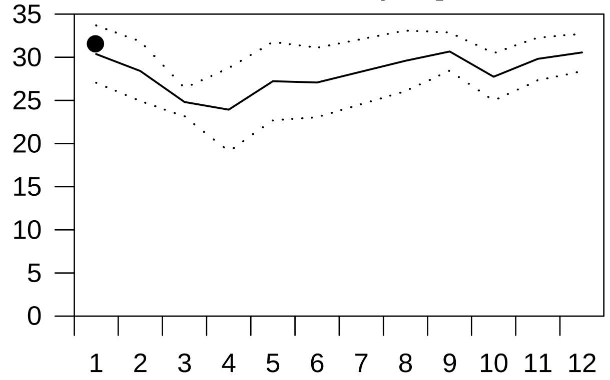
Annual Cycles

Mean 1980-1999 · St.Dev. ● 2001

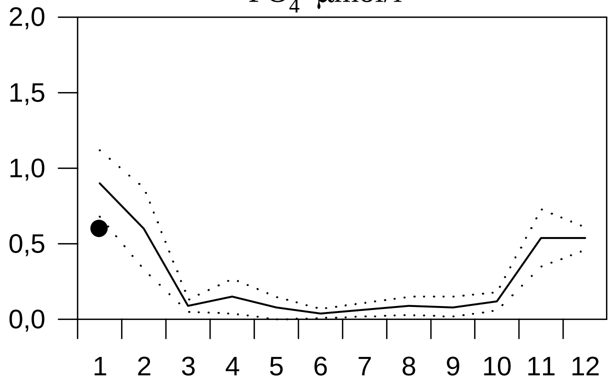
Temperature °C



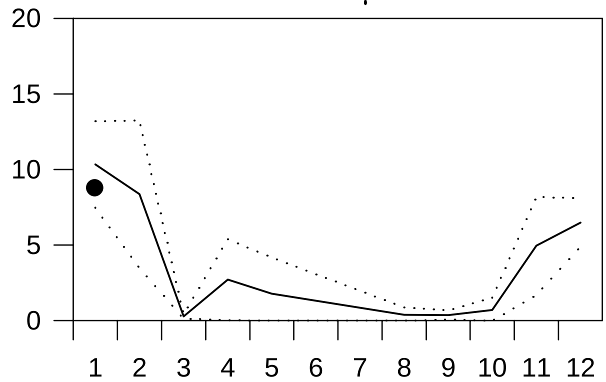
Salinity psu



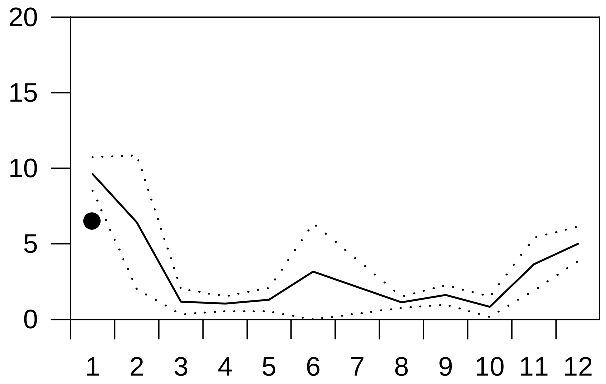
PO_4 µmol/l



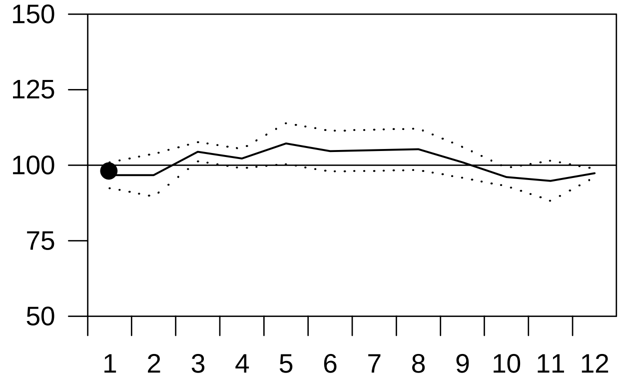
DIN µmol/l



SiO_3 µmol/l

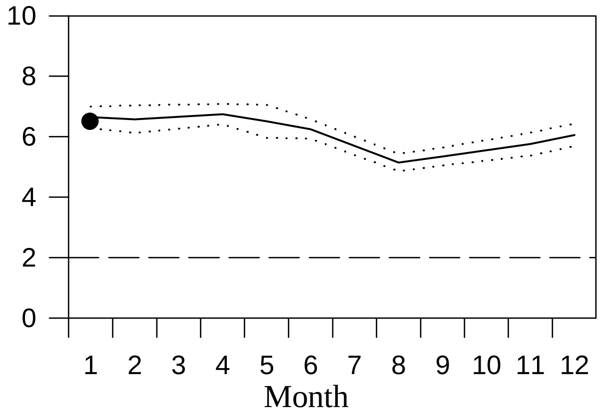


O_2 saturation %

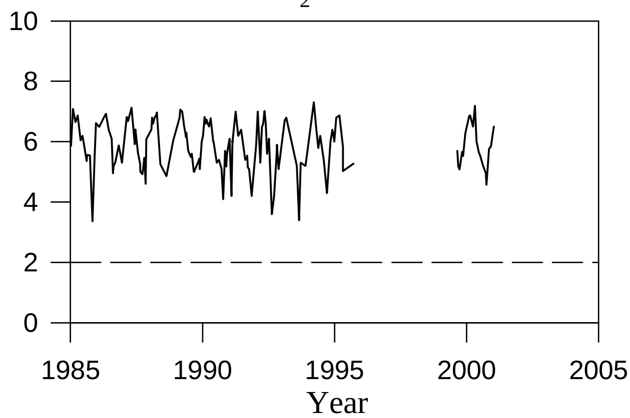


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

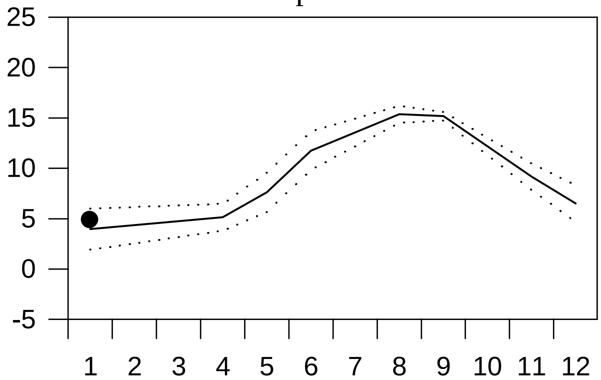


STATION Å17 SURFACE WATER

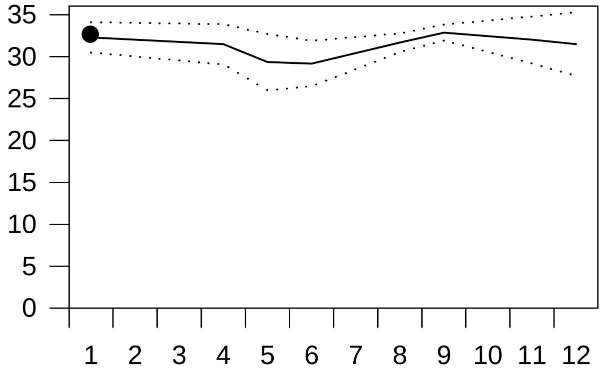
Annual Cycles

Mean 1980-1999 · · · · · St.Dev. ● 2001

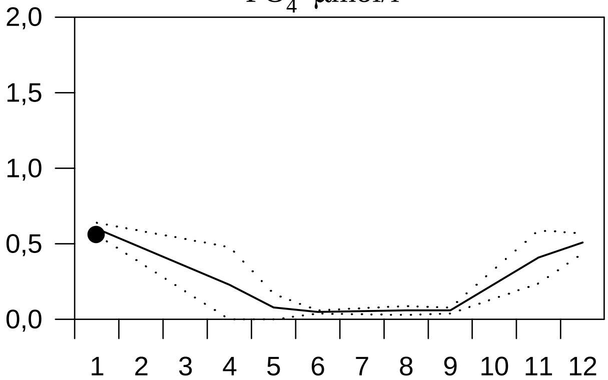
Temperature °C



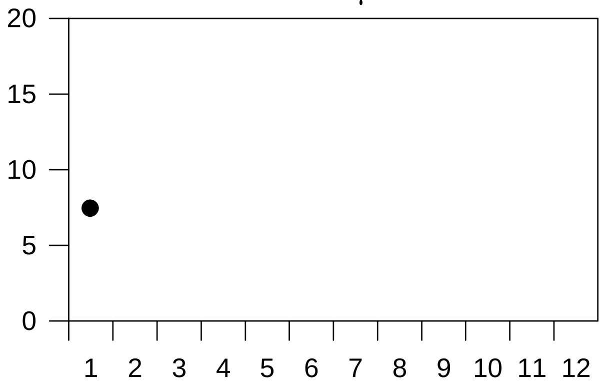
Salinity psu



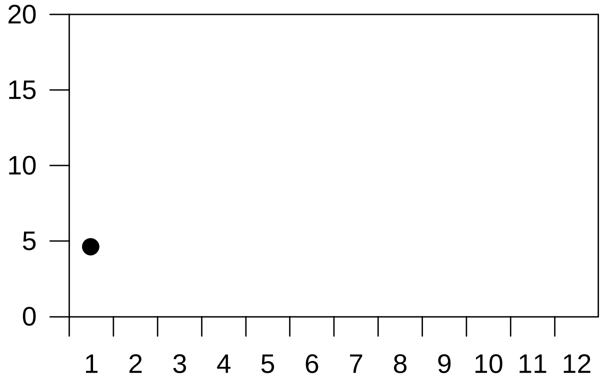
PO_4 μmol/l



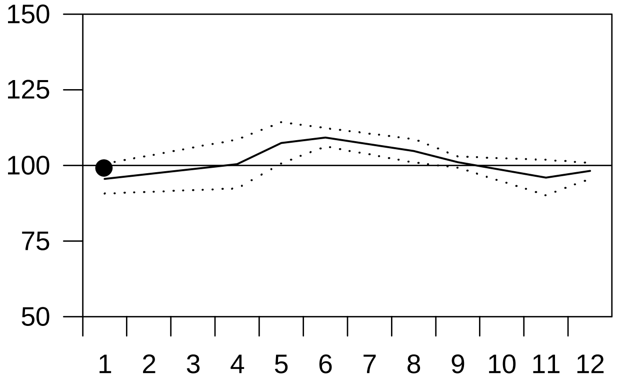
DIN μmol/l



SiO_3 μmol/l

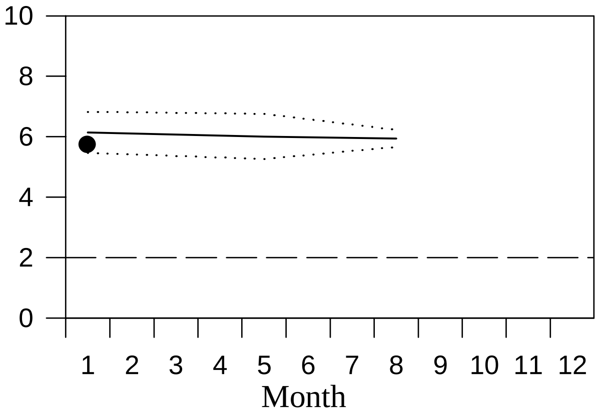


O_2 saturation %

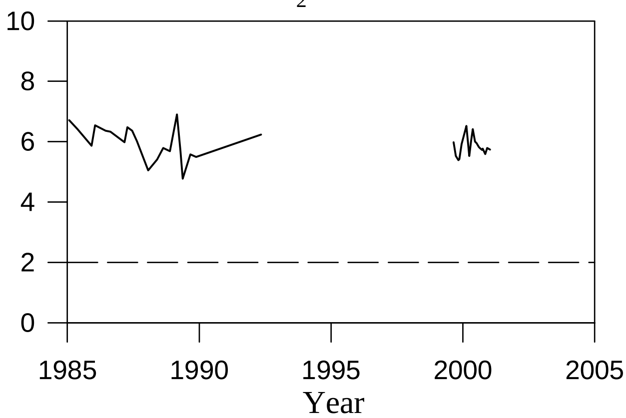


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

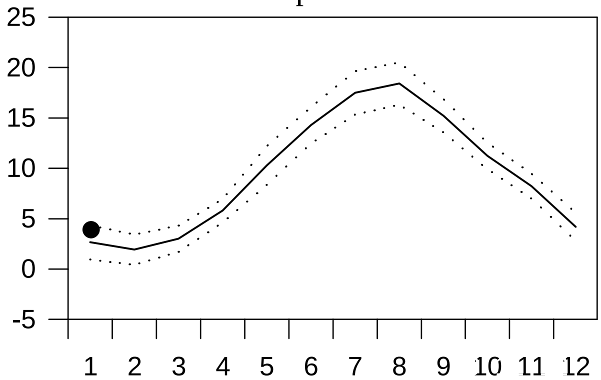


STATION ANHOLT E SURFACE WATER

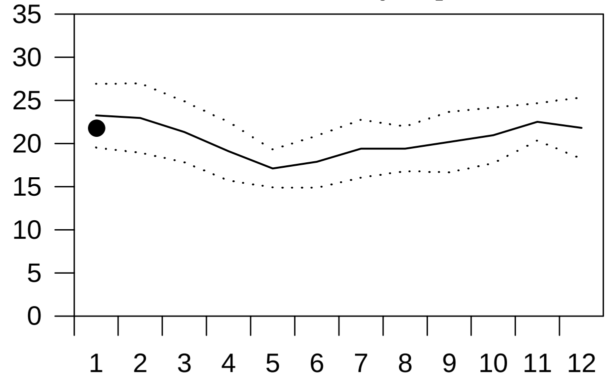
Annual Cycles

Mean 1990-1999 · St.Dev. · 2001

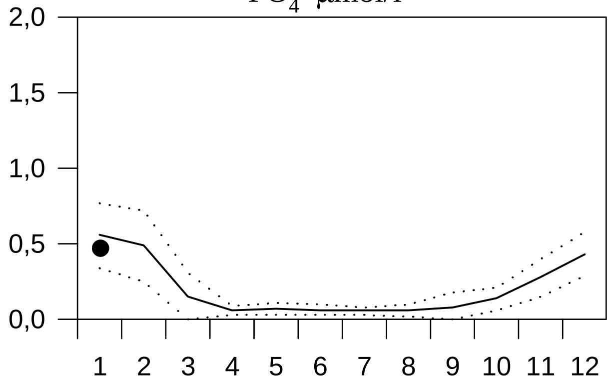
Temperature °C



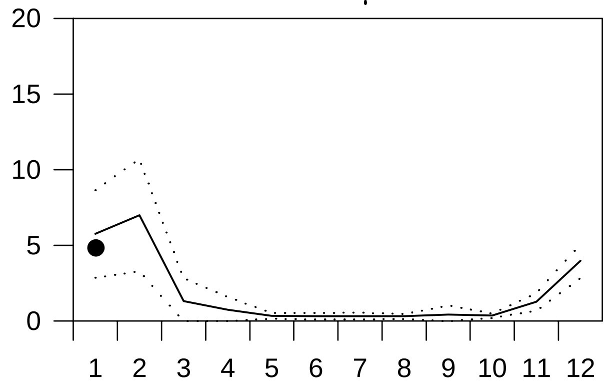
Salinity psu



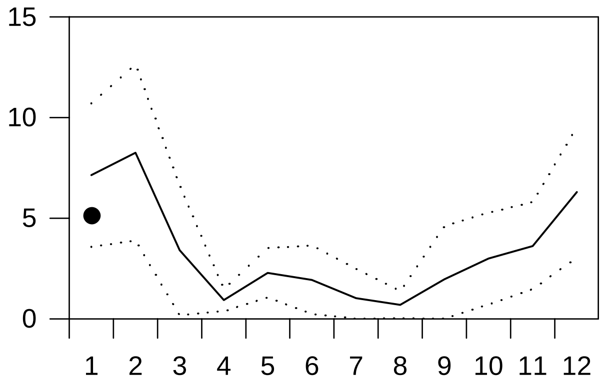
PO_4 µmol/l



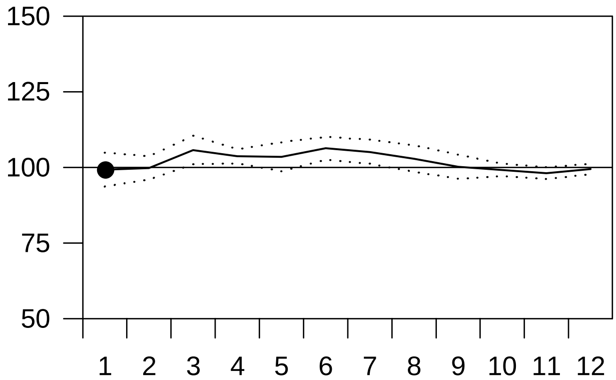
DIN µmol/l



SiO_3 µmol/l

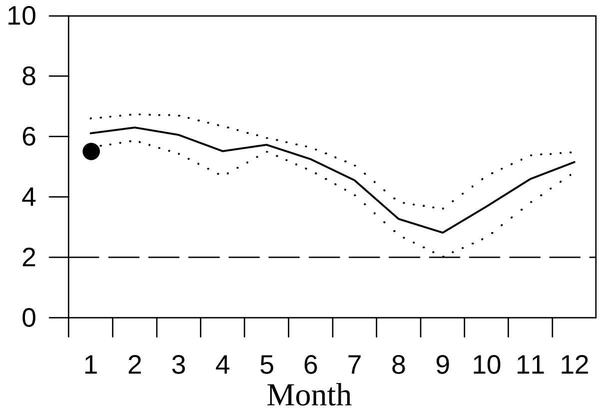


O_2 saturation %

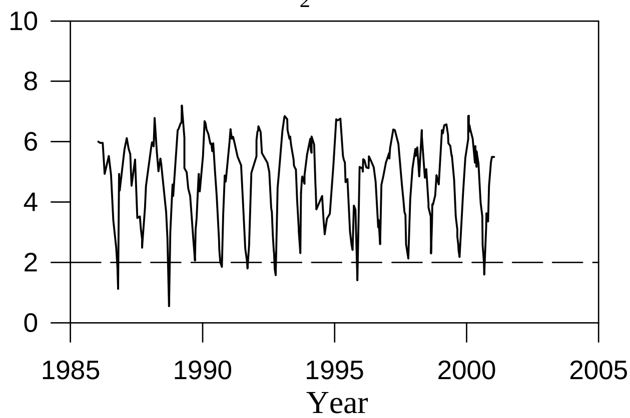


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

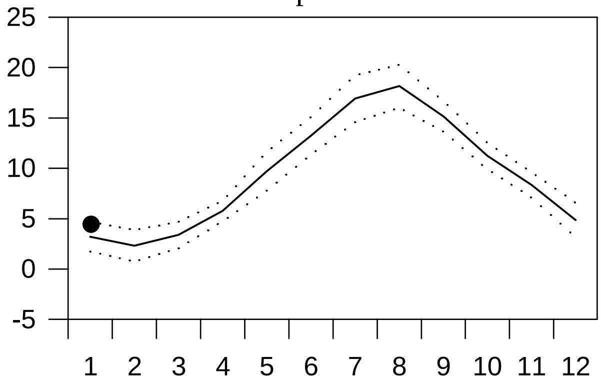


STATION FLADEN SURFACE WATER

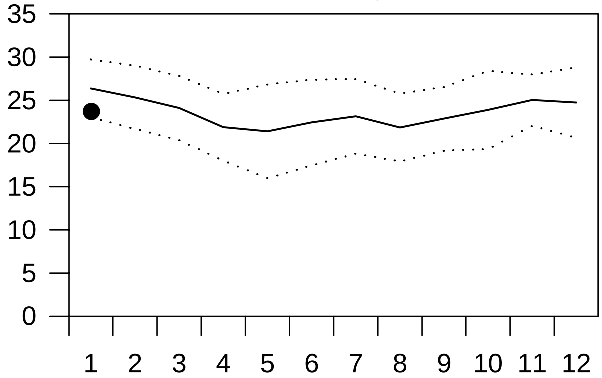
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

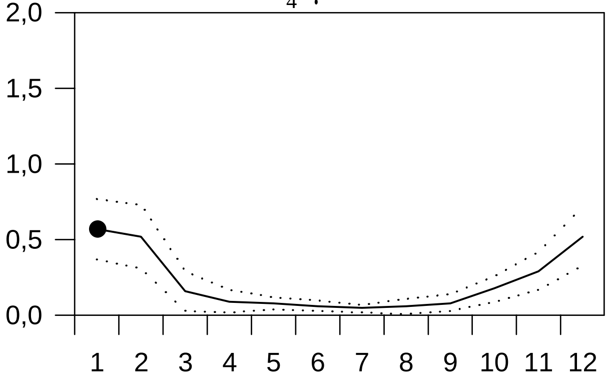
Temperature °C



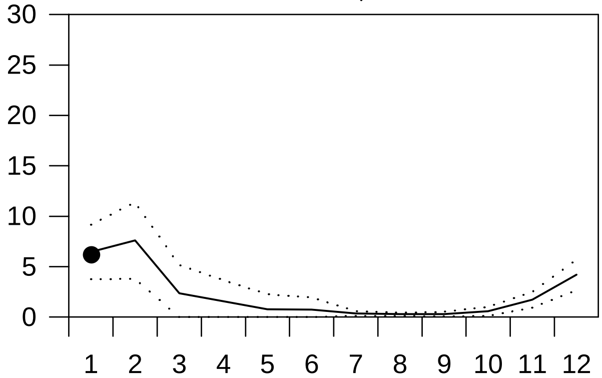
Salinity psu



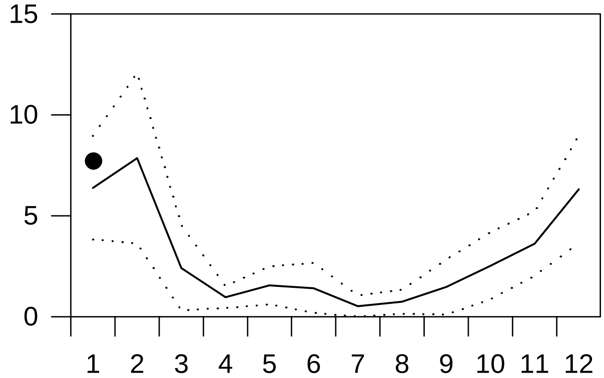
PO_4 µmol/l



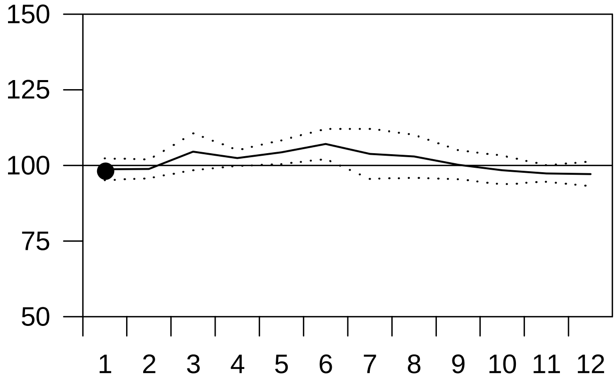
DIN µmol/l



SiO_3 µmol/l

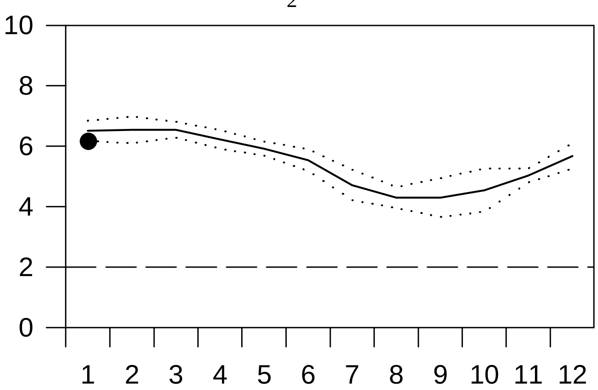


O_2 saturation %

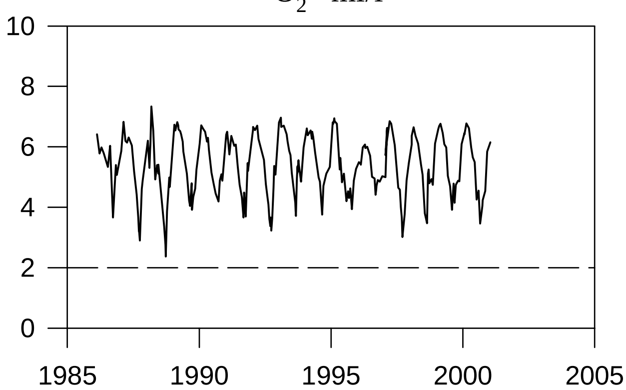


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

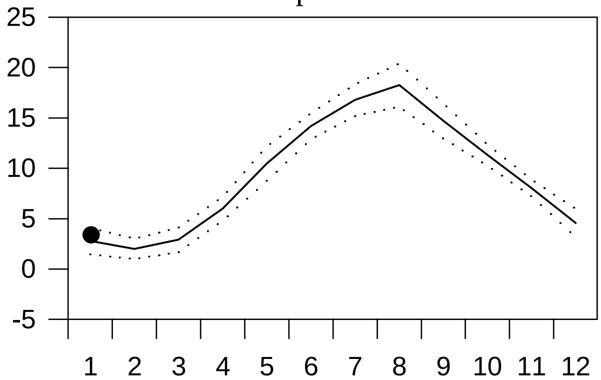


STATION W LANDSKRONA SURFACE WATER

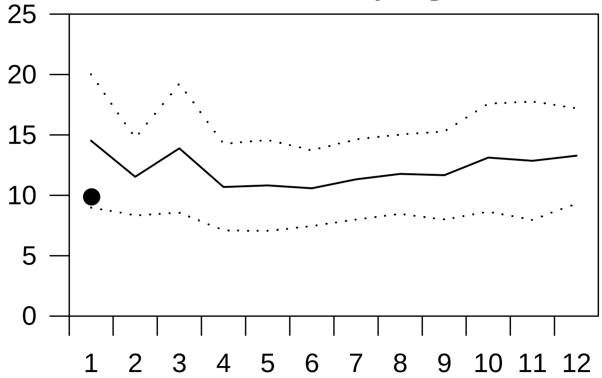
Annual Cycles

Mean 1990-1999 St.Dev. 2001

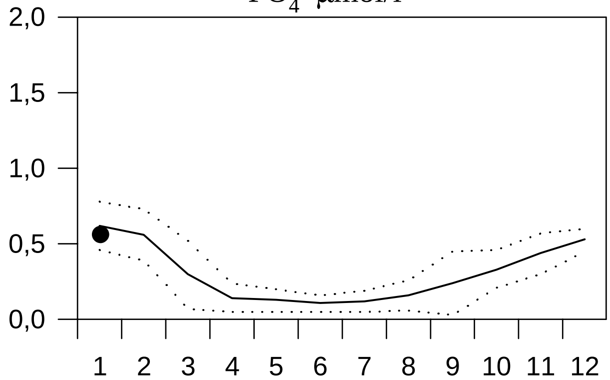
Temperature °C



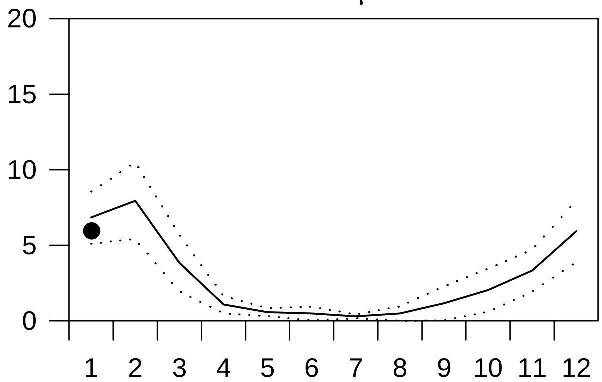
Salinity psu



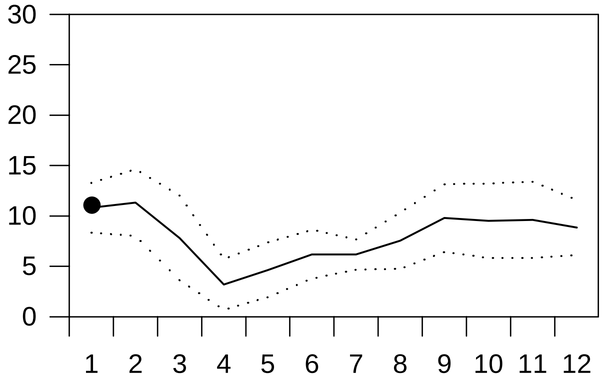
PO_4 μmol/l



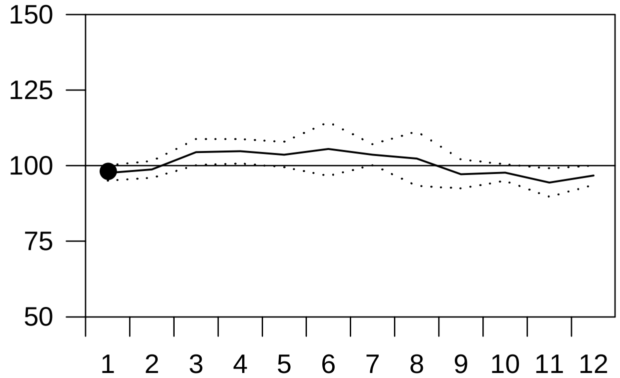
DIN μmol/l



SiO_3 μmol/l

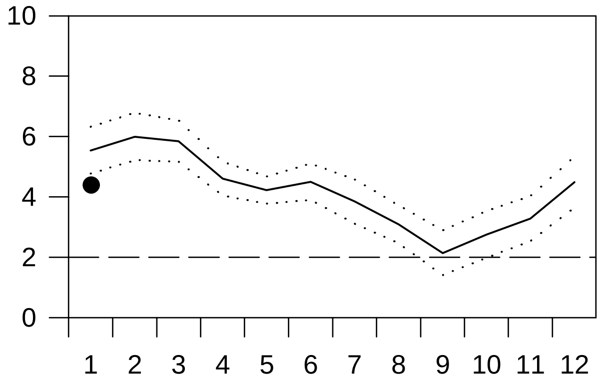


O_2 saturation %

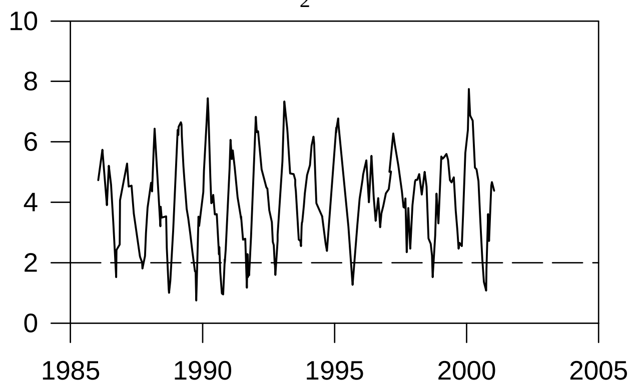


OXYGEN IN BOTTOM WATER

O_2 ml/l



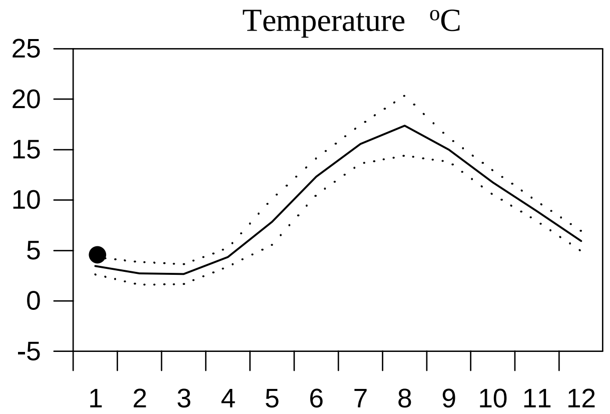
O_2 ml/l

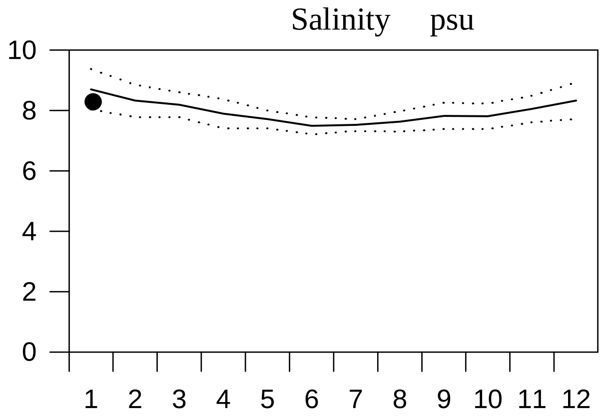


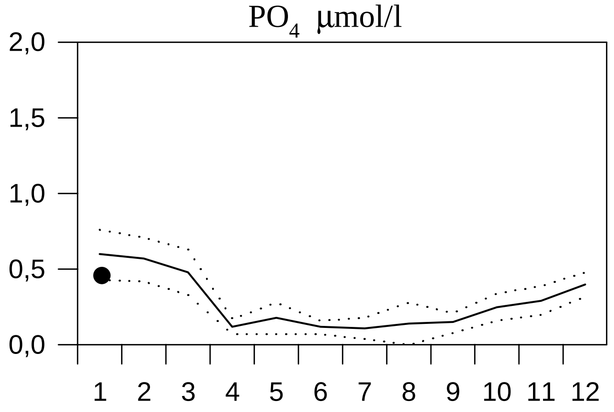
STATION BY1 SURFACE WATER

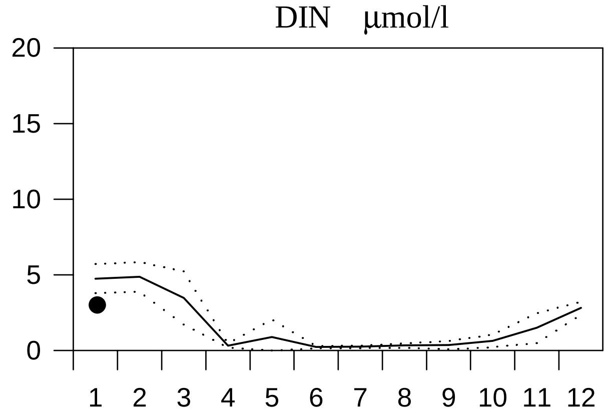
Annual Cycles

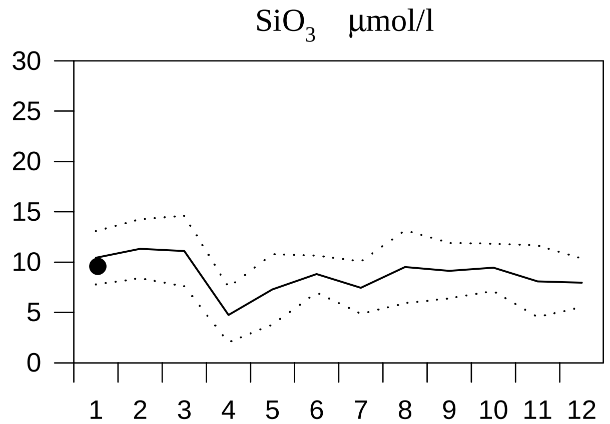
Mean 1990-1999 · St.Dev. · 2001

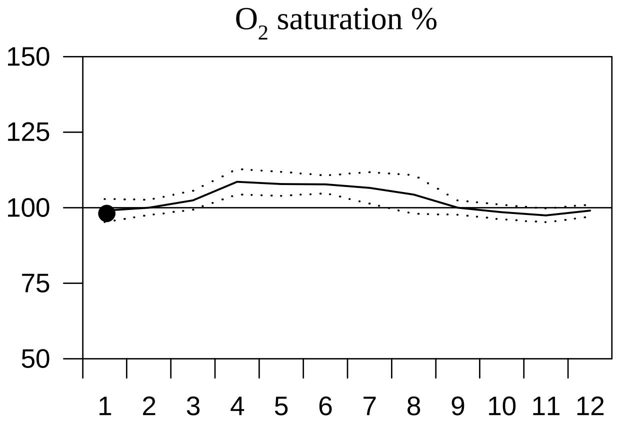




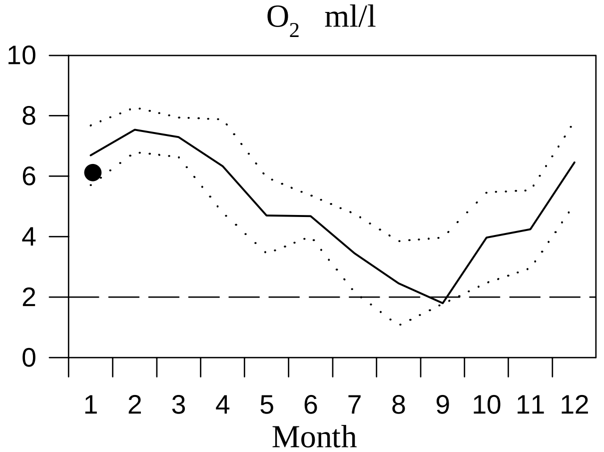


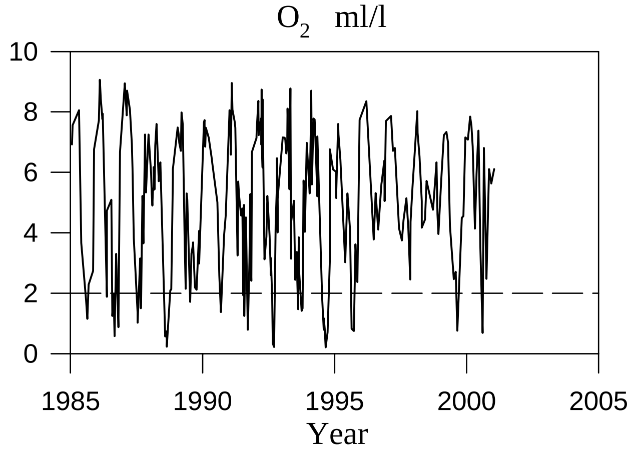






OXYGEN IN BOTTOM WATER

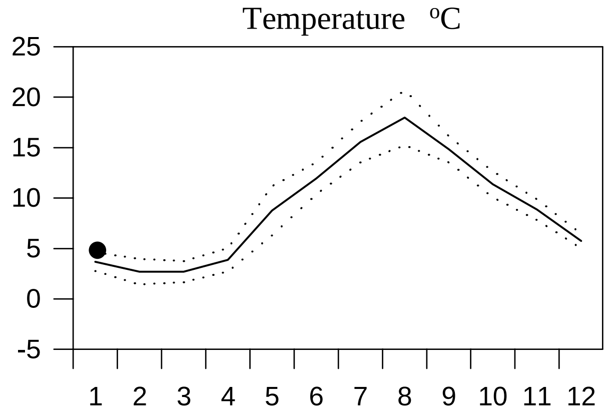


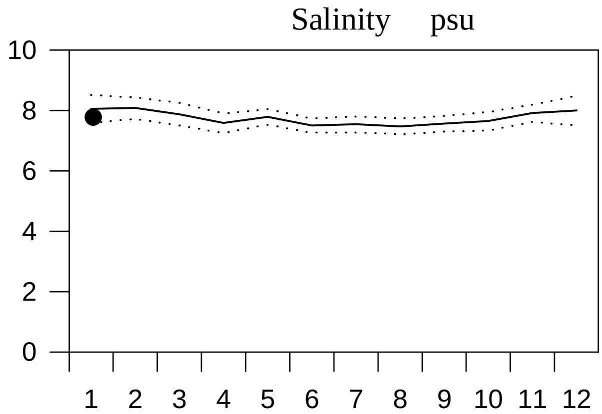


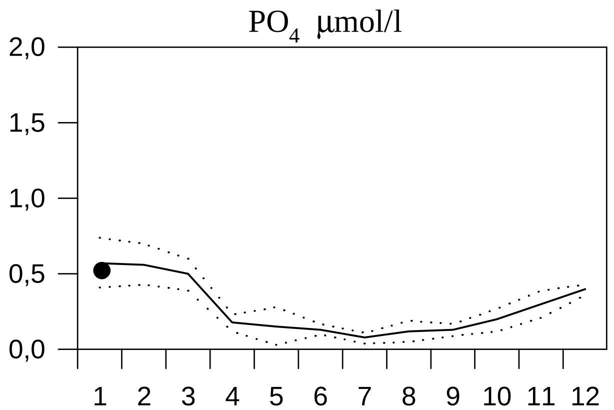
STATION BY2 SURFACE WATER

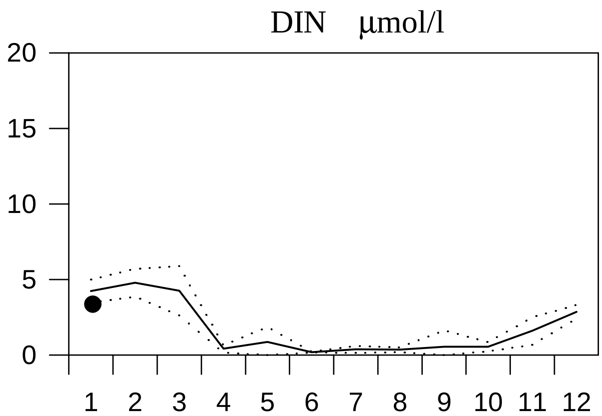
Annual Cycles

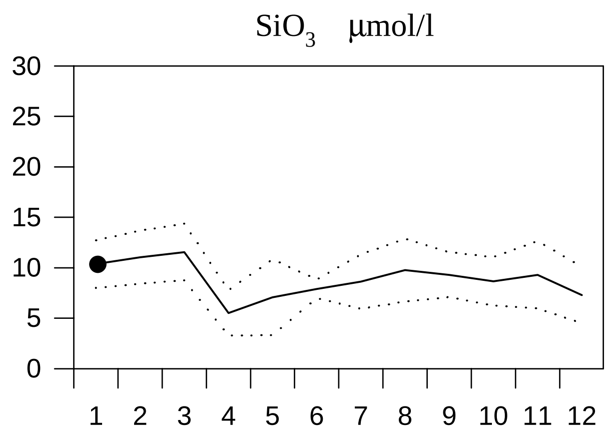
Mean 1986-1995 · · · · St.Dev. ● 2001

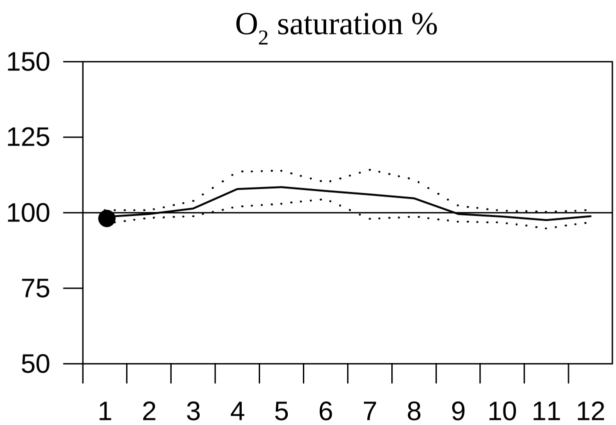




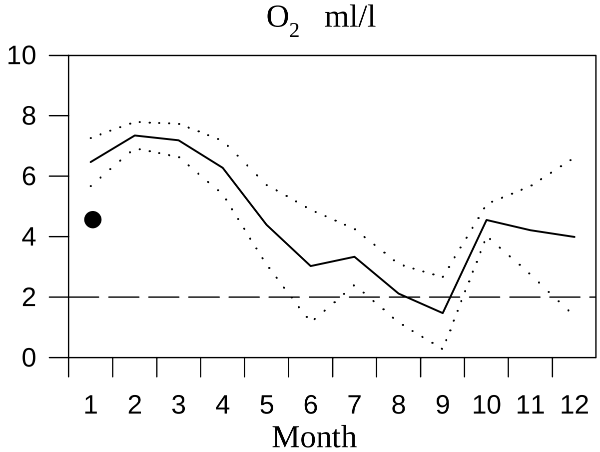


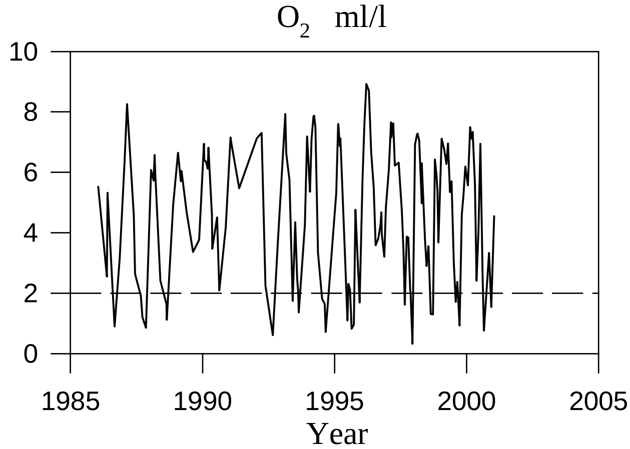






OXYGEN IN BOTTOM WATER

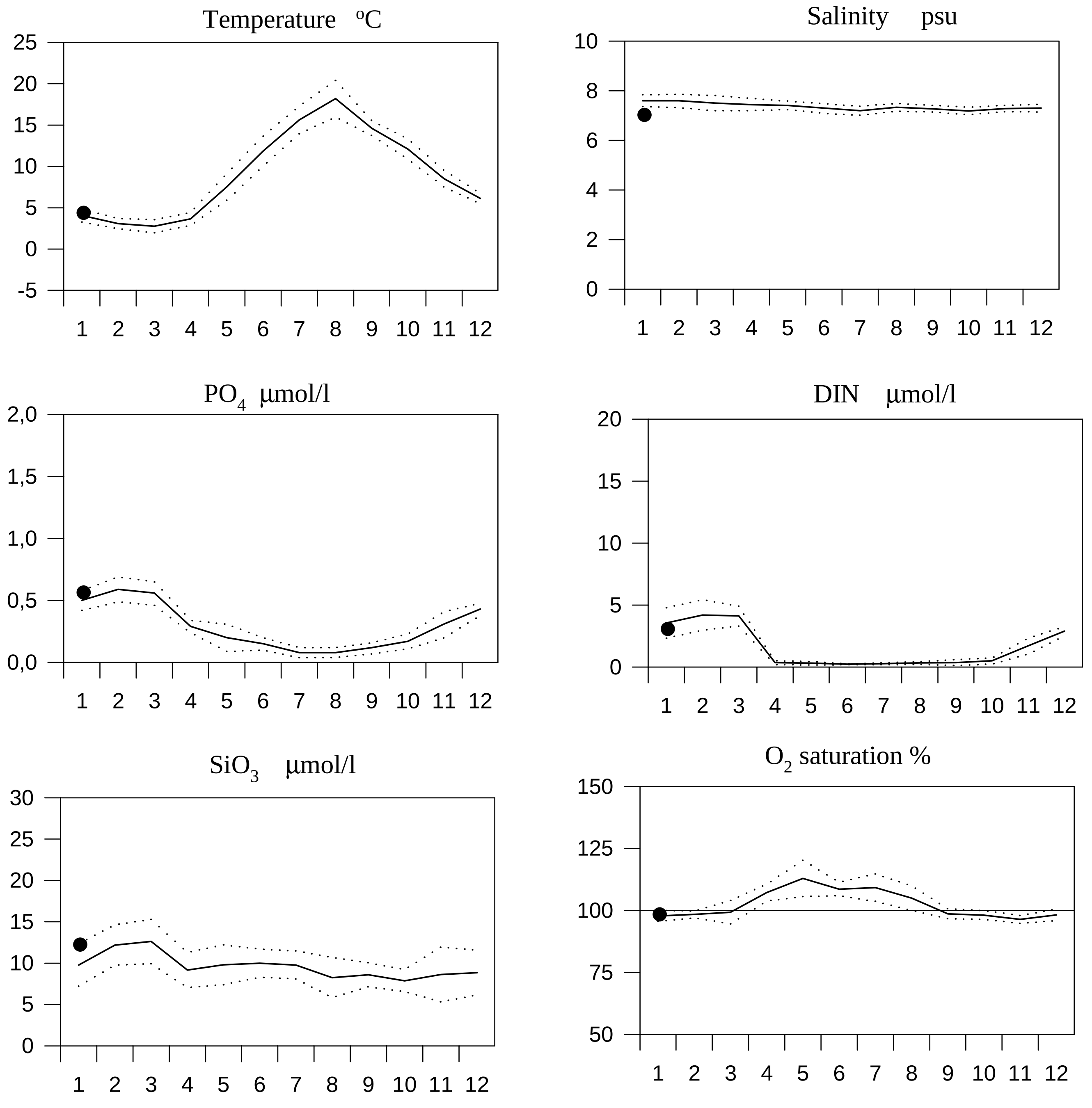




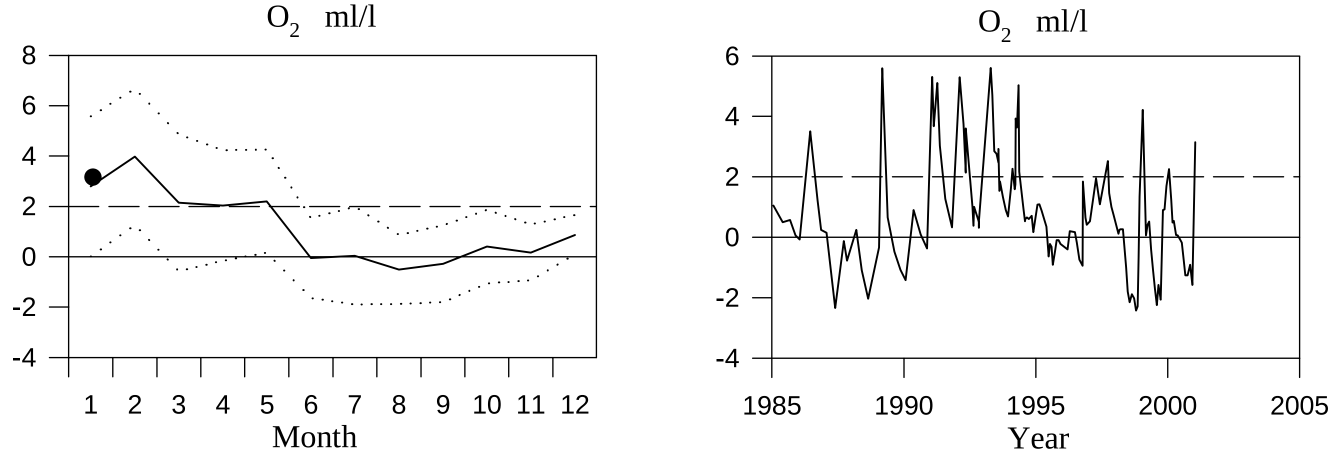
STATION BY4 SURFACE WATER

Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001



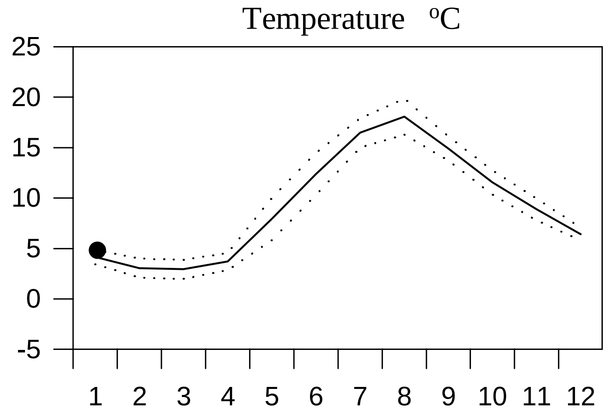
OXYGEN IN BOTTOM WATER

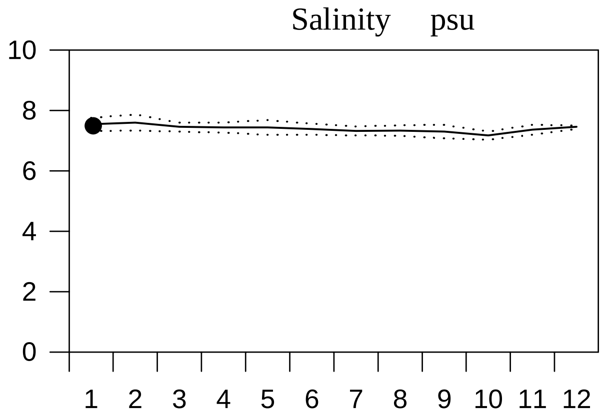


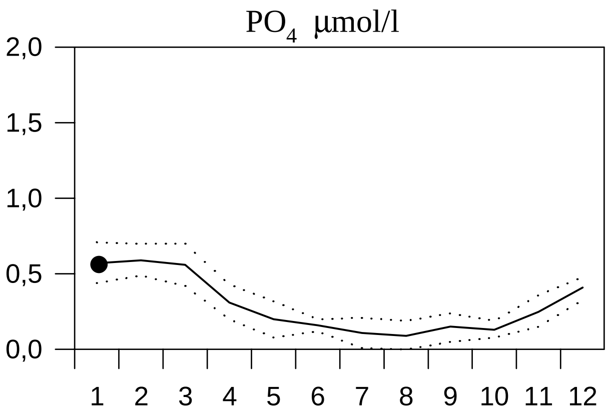
STATION BY5 SURFACE WATER

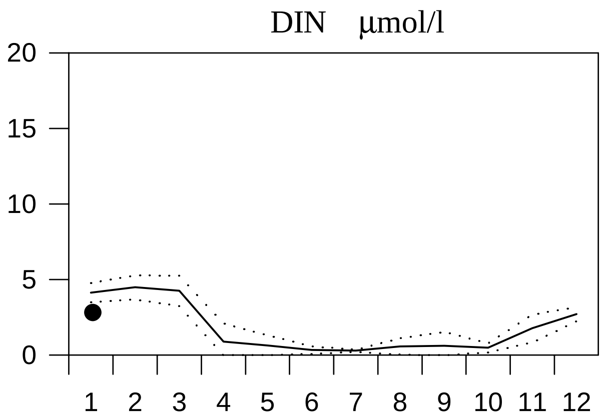
Annual Cycles

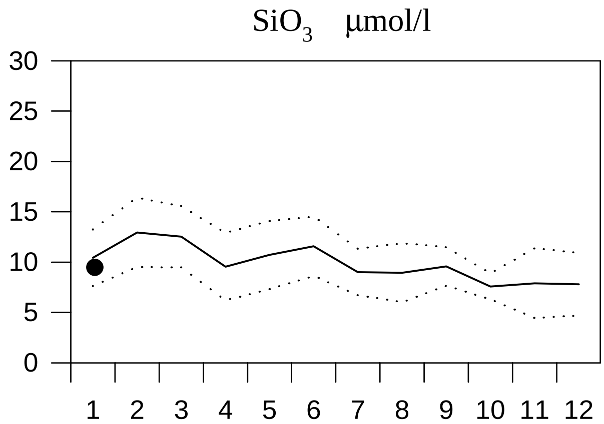
Mean 1990-1999 · St.Dev. ● 2001

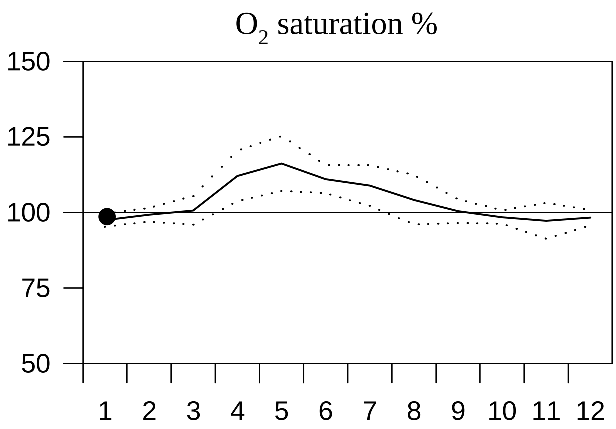




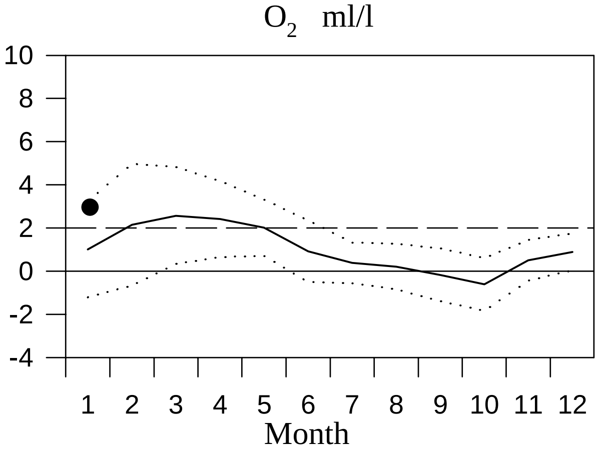


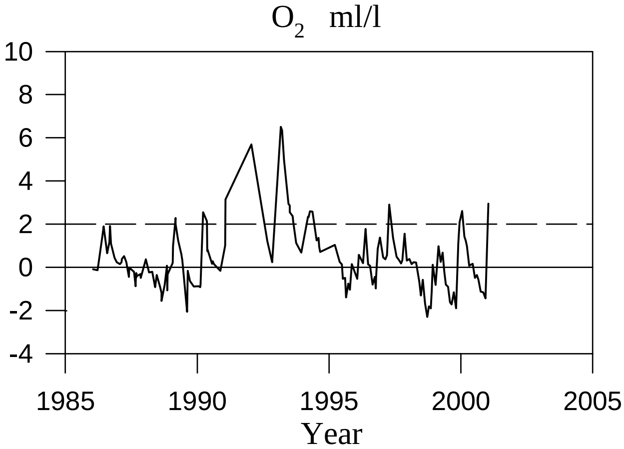






OXYGEN IN BOTTOM WATER



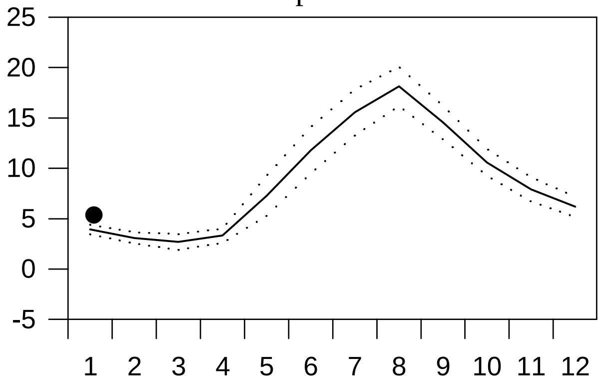


STATION BCS III-10 SURFACE WATER

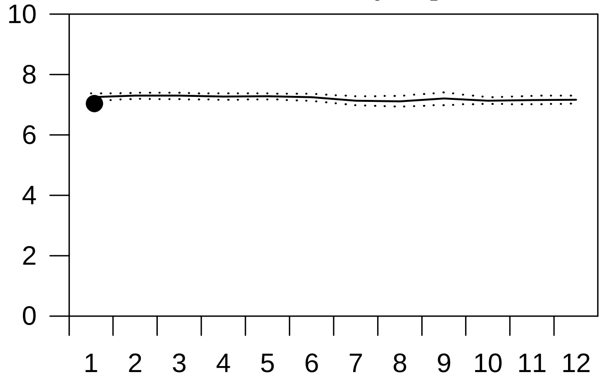
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

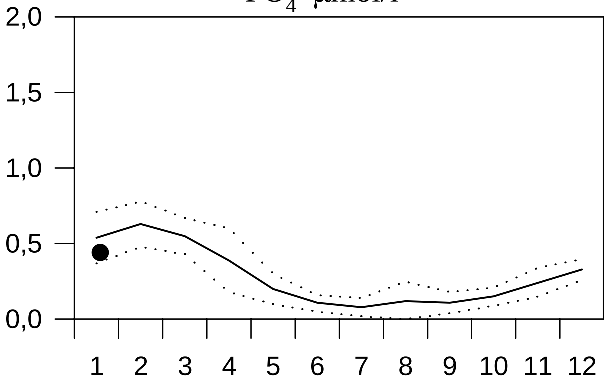
Temperature °C



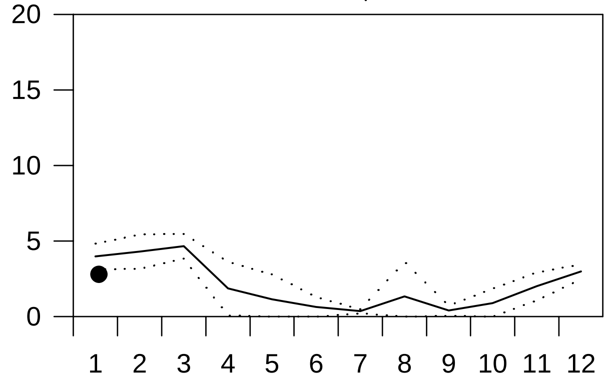
Salinity psu



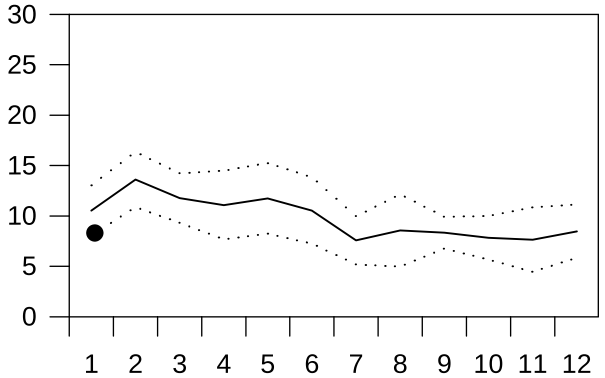
PO_4 µmol/l



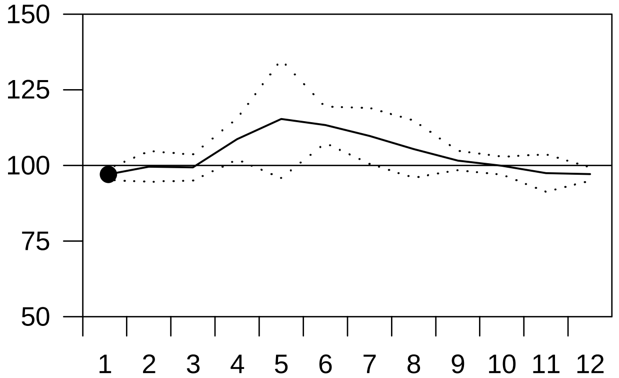
DIN µmol/l



SiO_3 µmol/l

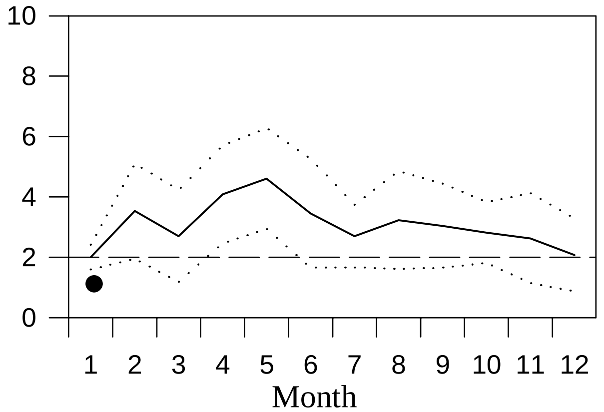


O_2 saturation %

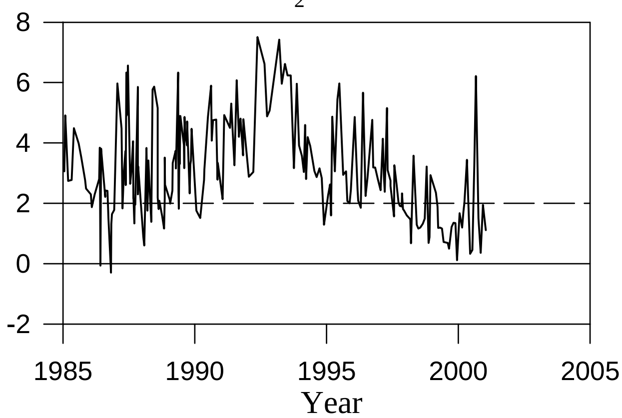


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

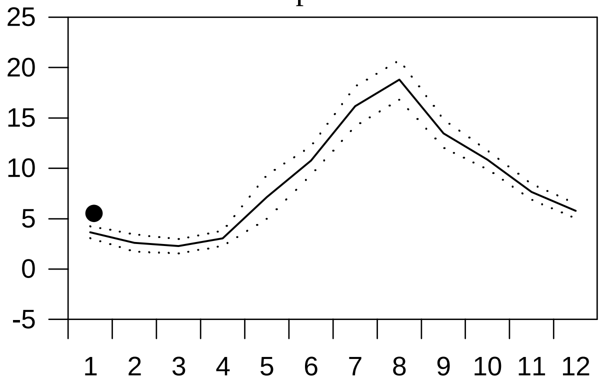


STATION BY10 SURFACE WATER

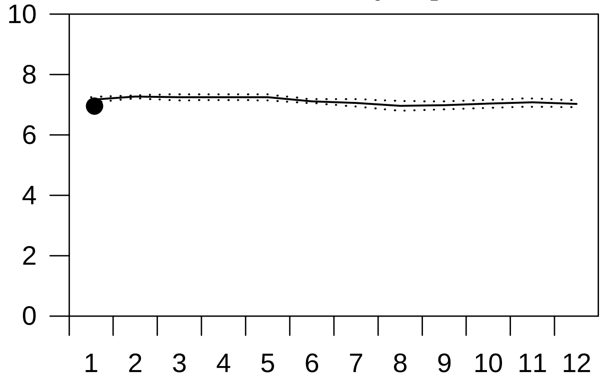
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

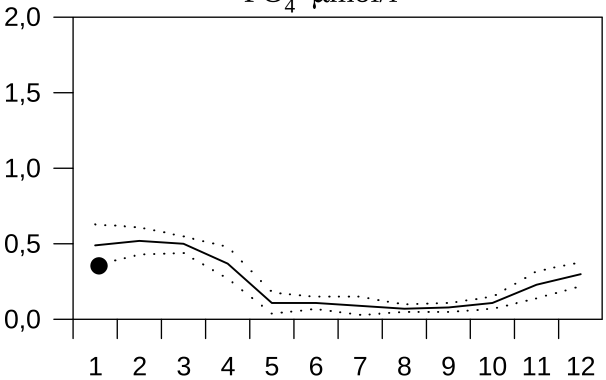
Temperature °C



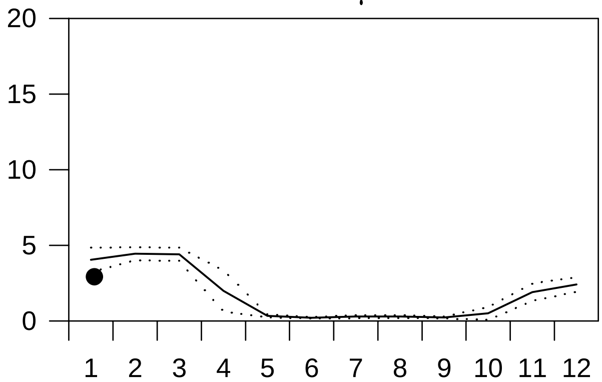
Salinity psu



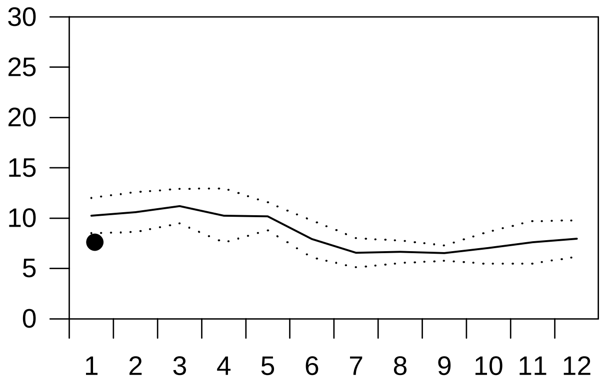
PO_4 µmol/l



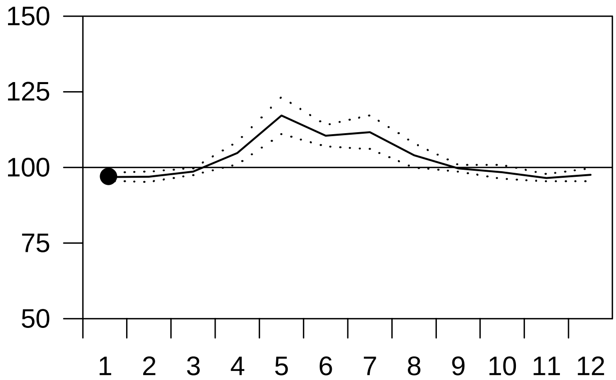
DIN µmol/l



SiO_3 µmol/l

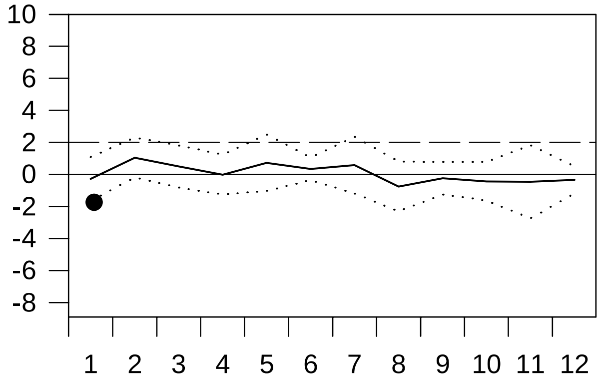


O_2 saturation %



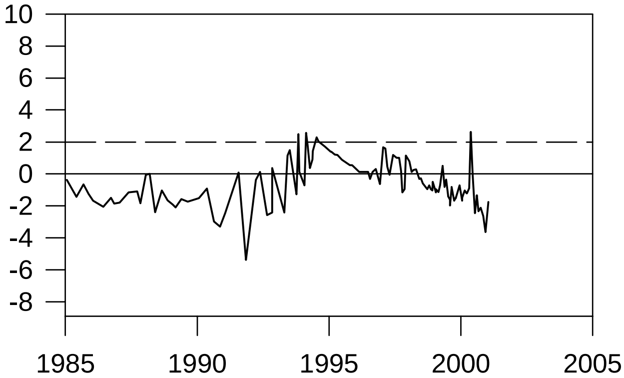
OXYGEN IN BOTTOM WATER

O_2 ml/l



Month

O_2 ml/l

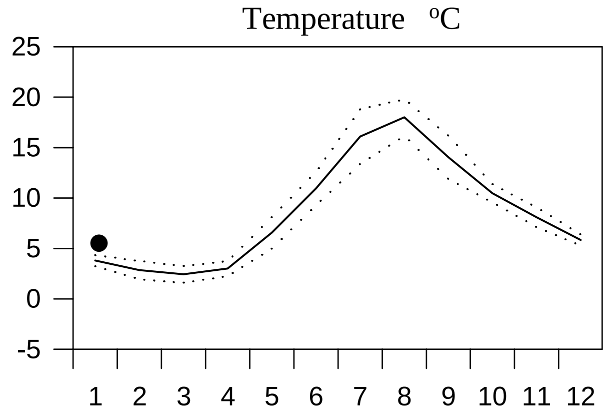


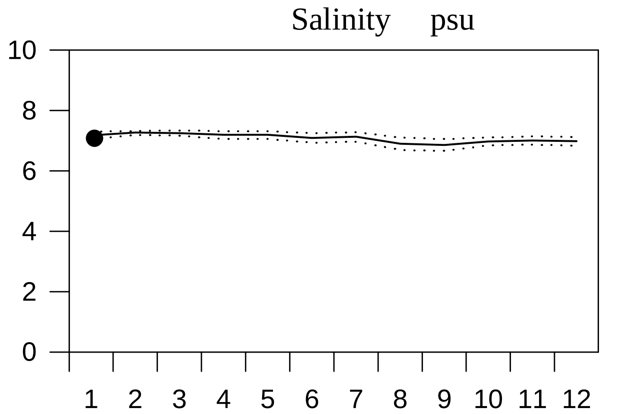
Year

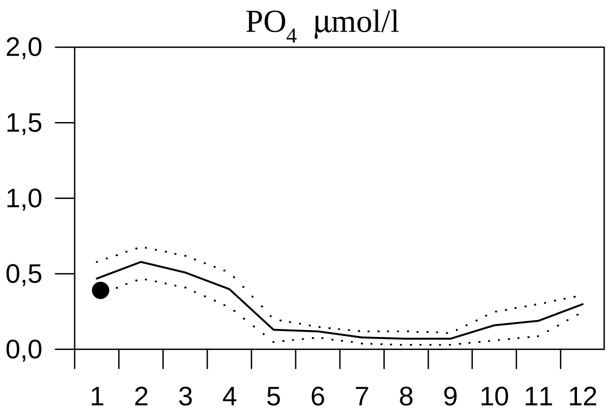
STATION BY15 SURFACE WATER

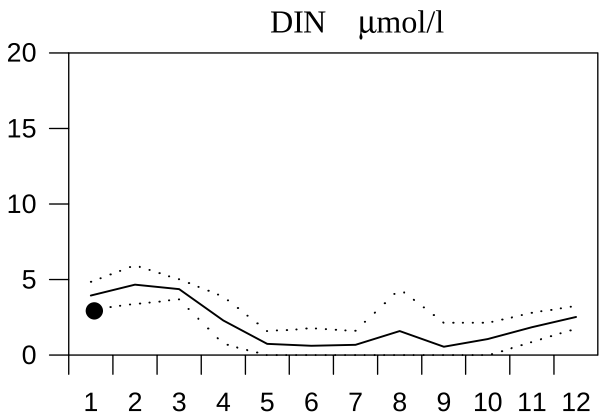
Annual Cycles

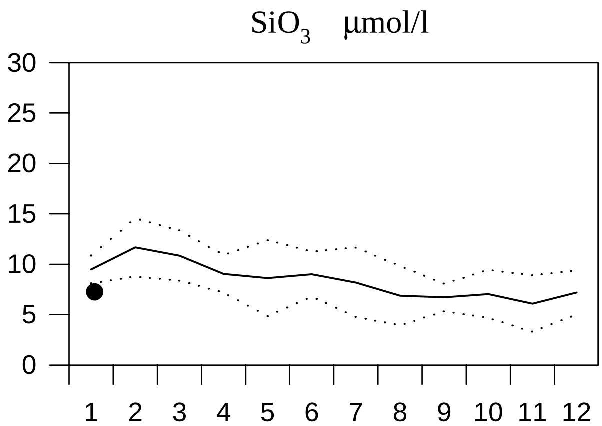
Mean 1990-1999 · · · · St.Dev. ● 2001

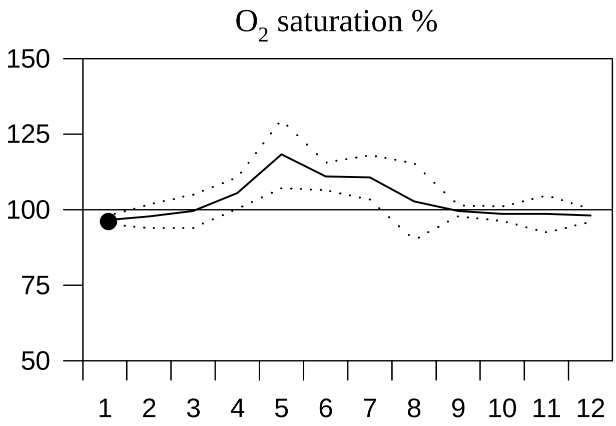




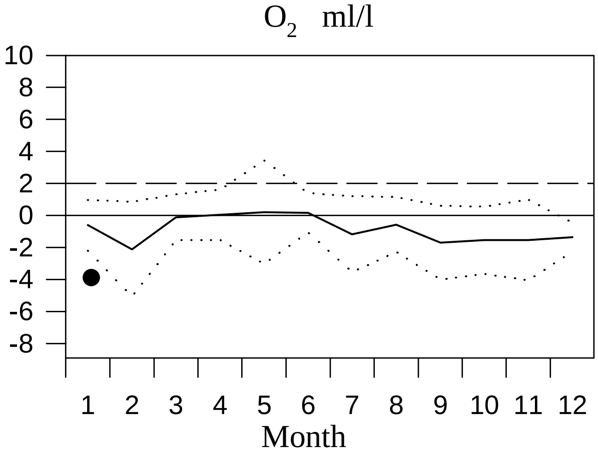


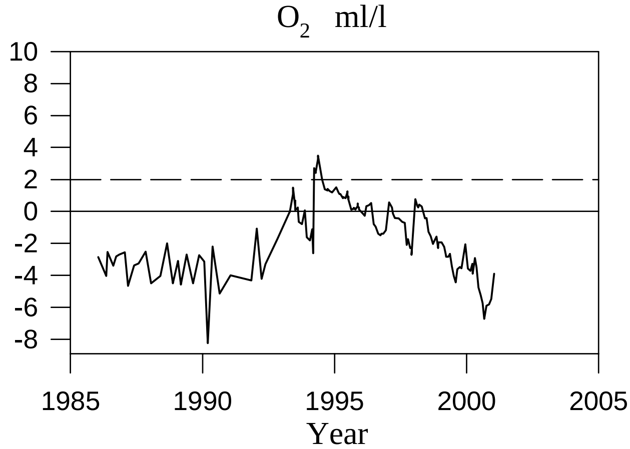






OXYGEN IN BOTTOM WATER



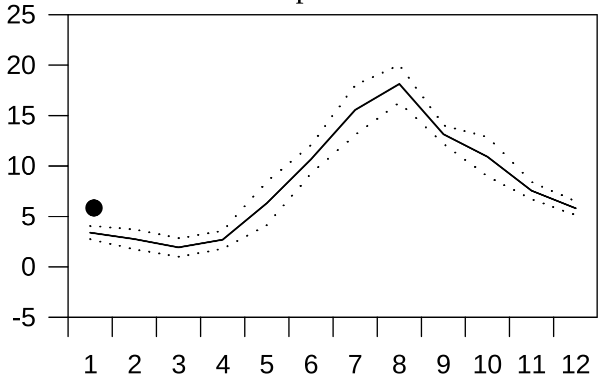


STATION BY20 SURFACE WATER

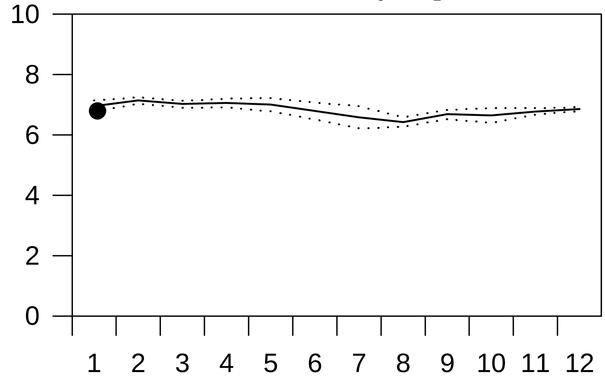
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

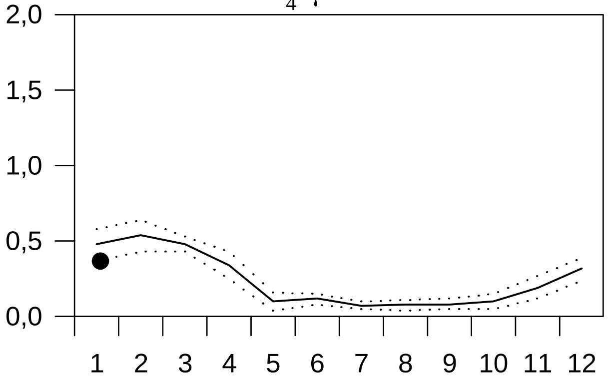
Temperature °C



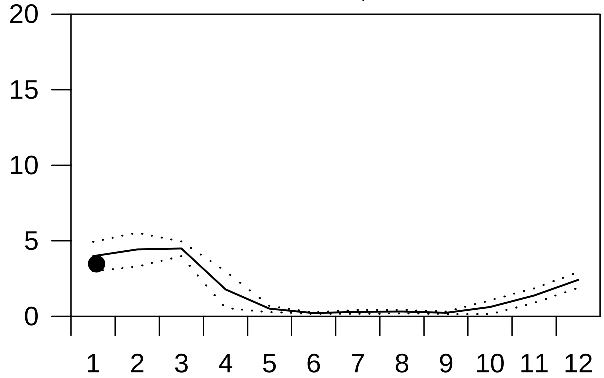
Salinity psu



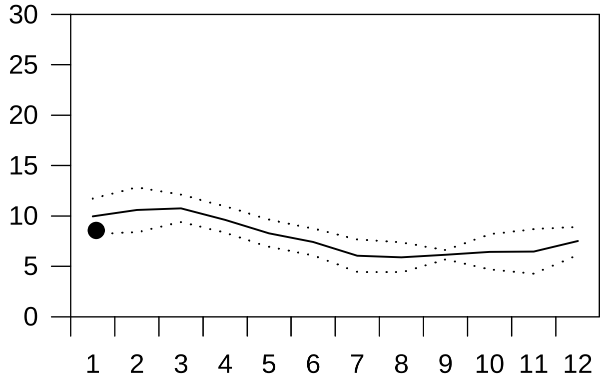
PO_4 µmol/l



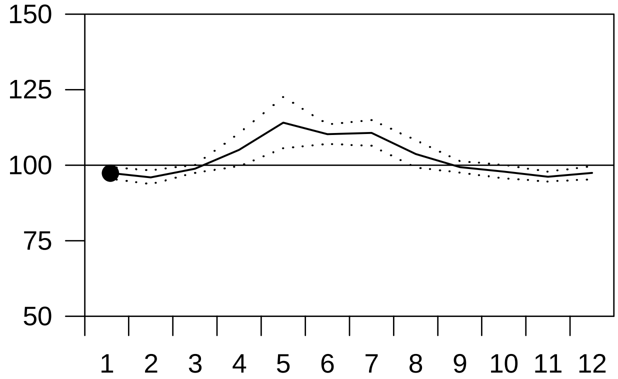
DIN µmol/l



SiO_3 µmol/l

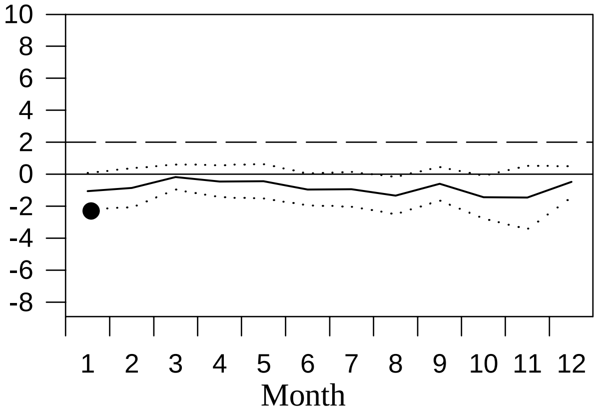


O_2 saturation %

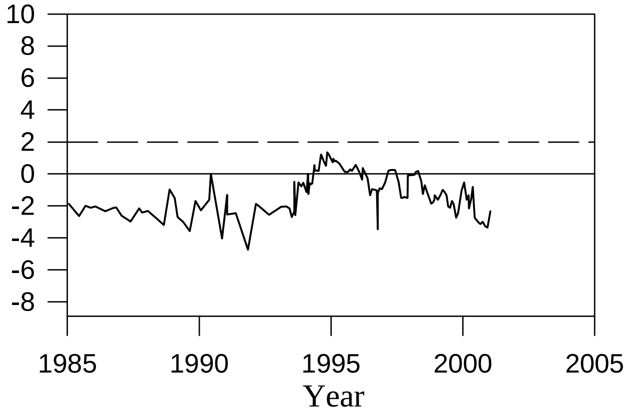


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

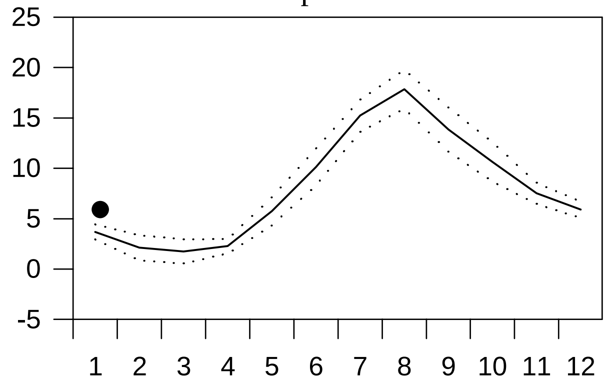


STATION BY29 SURFACE WATER

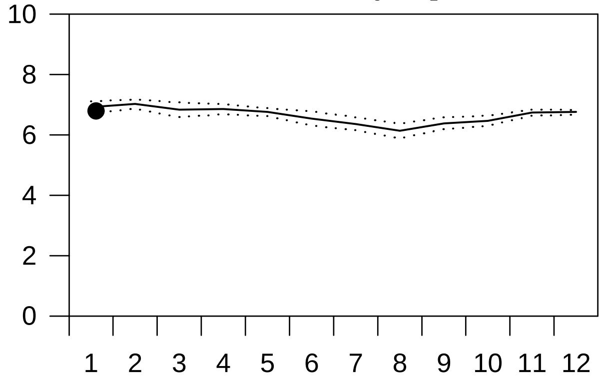
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

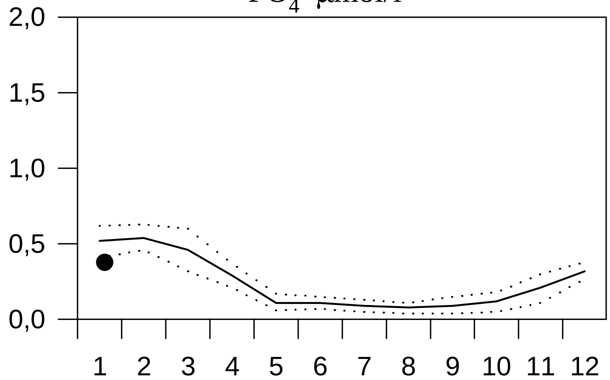
Temperature °C



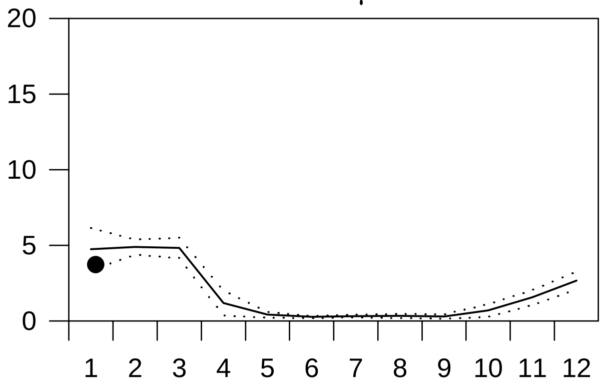
Salinity psu



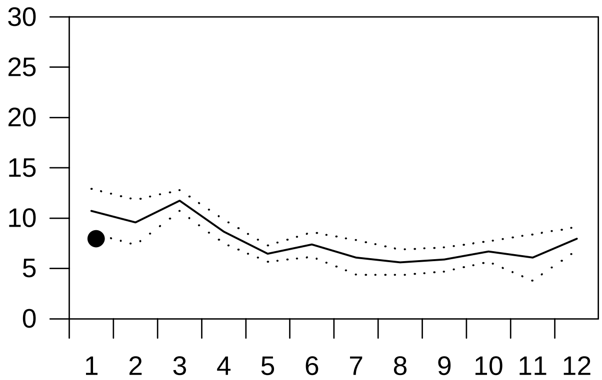
PO_4 µmol/l



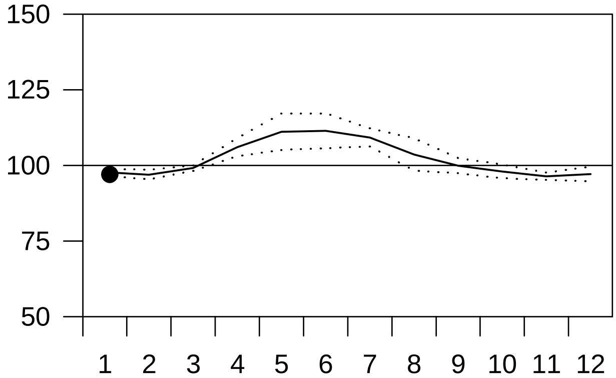
DIN µmol/l



SiO_3 µmol/l

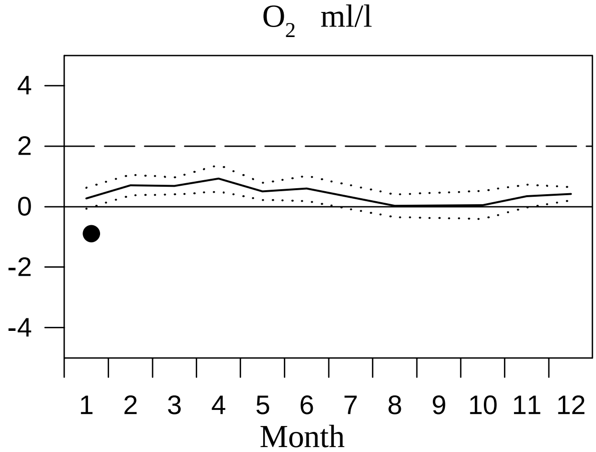


O_2 saturation %

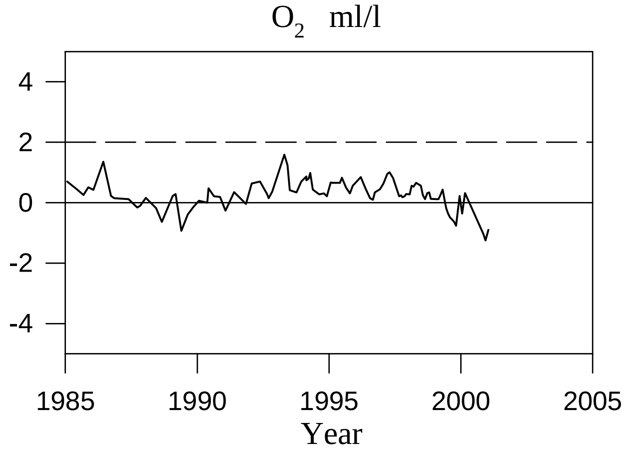


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

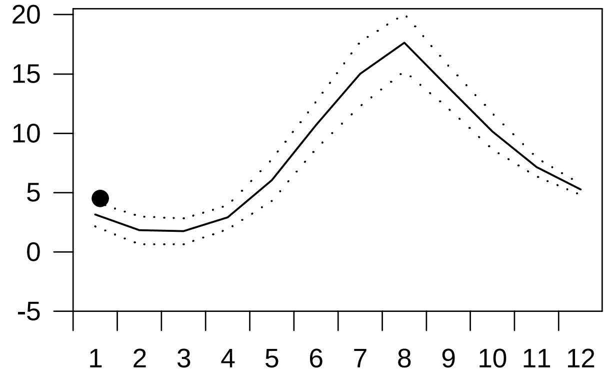


STATION BY31 SURFACE WATER

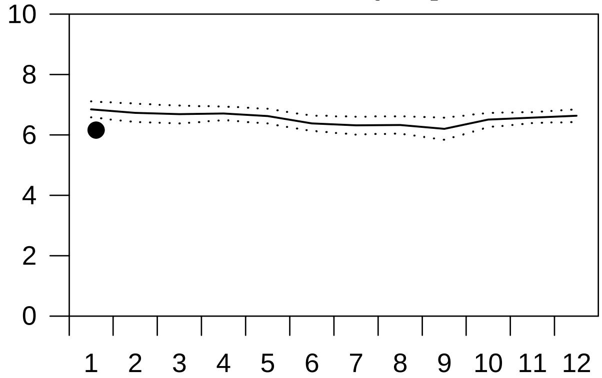
Annual Cycles

Mean 1990-1999 · · · · St.Dev. ● 2001

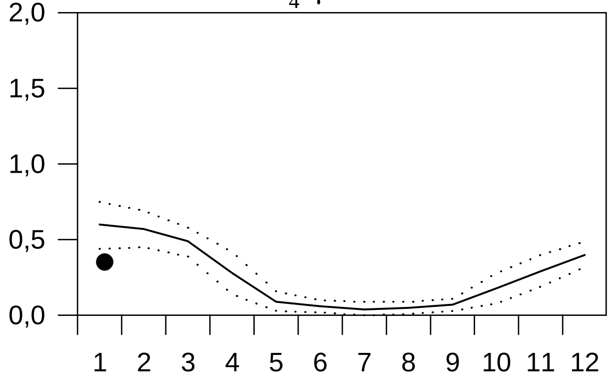
Temperature ^{o}C



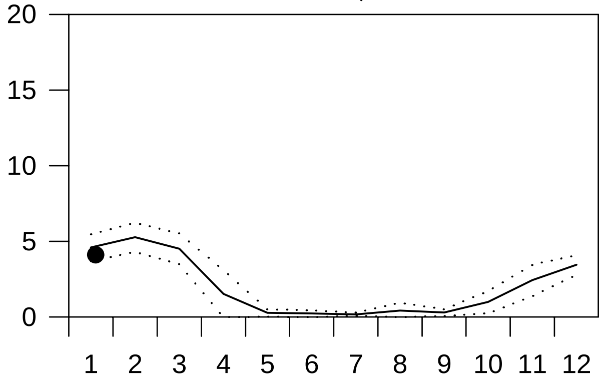
Salinity psu



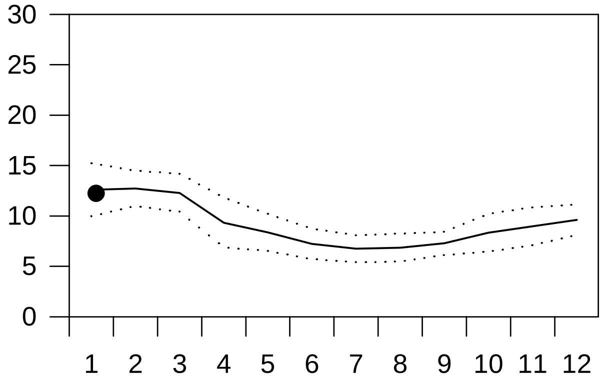
PO_4 µmol/l



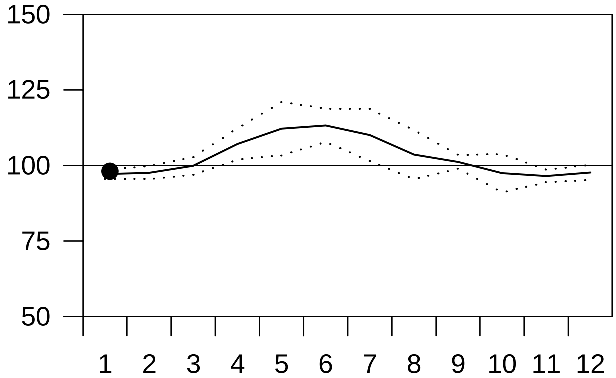
DIN µmol/l



SiO_3 µmol/l

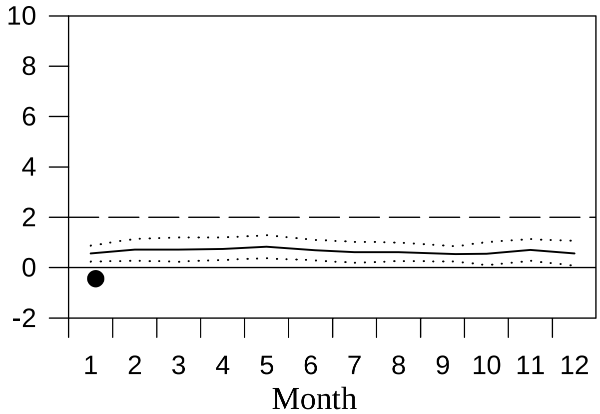


O_2 saturation %

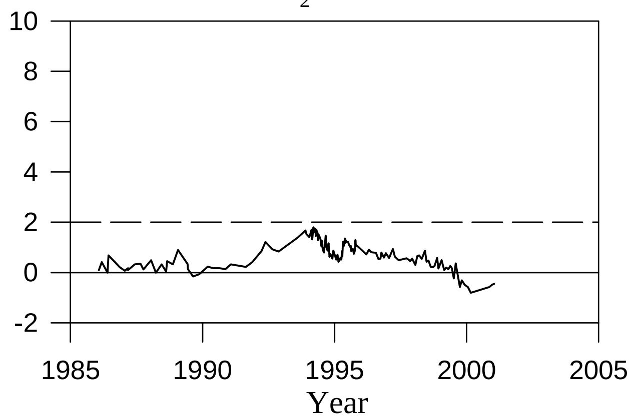


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

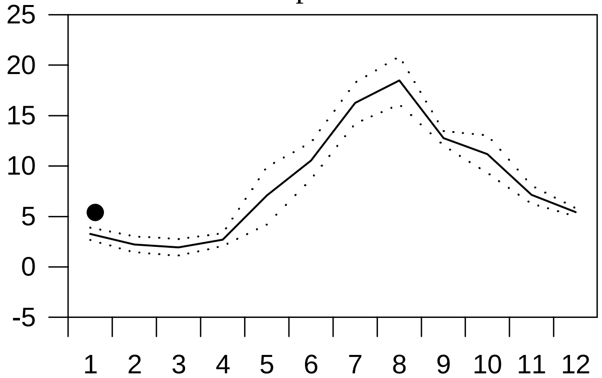


STATION BY32 SURFACE WATER

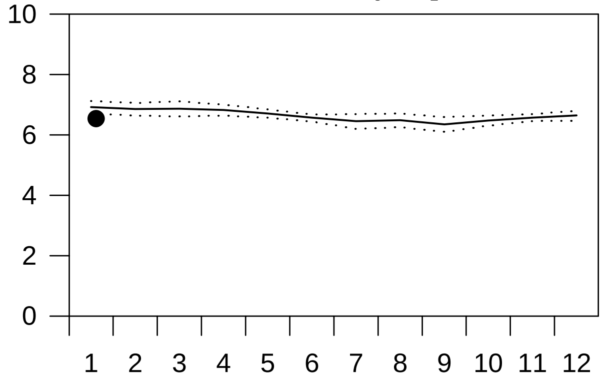
Annual Cycles

Mean 1990-1999 · St.Dev. · 2001

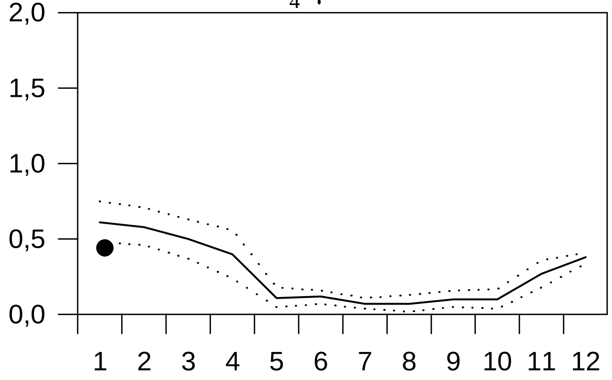
Temperature ^{o}C



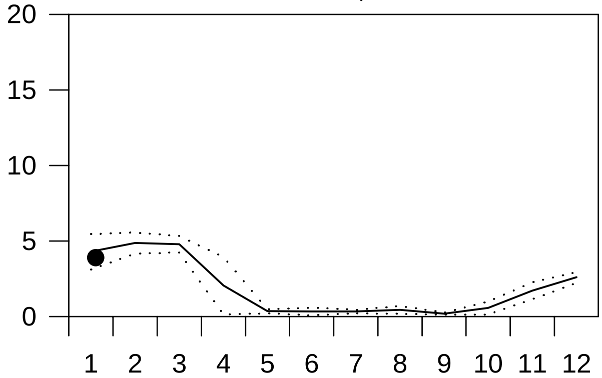
Salinity psu



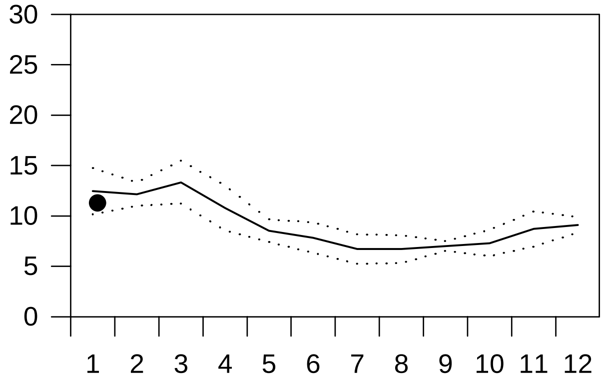
PO_4 µmol/l



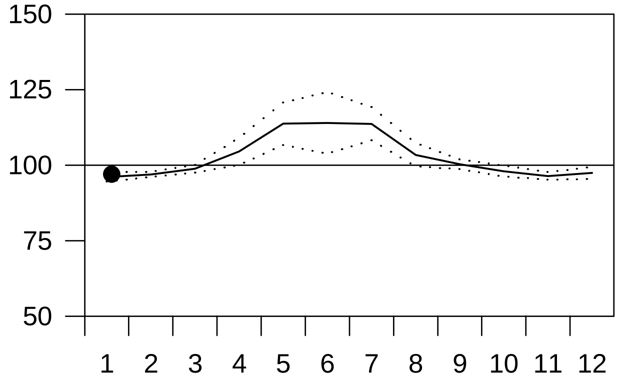
DIN µmol/l



SiO_3 µmol/l

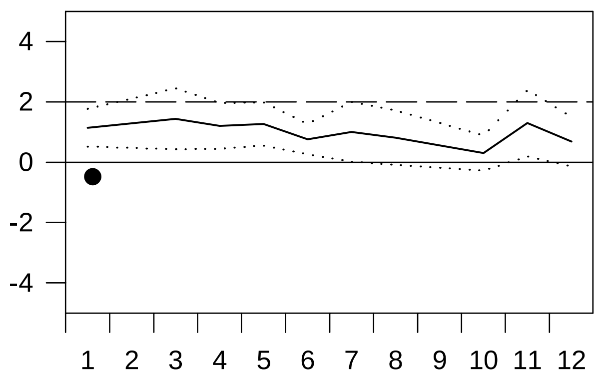


O_2 saturation %



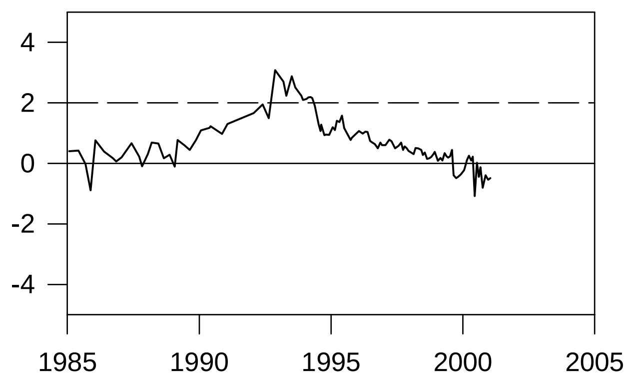
OXYGEN IN BOTTOM WATER

O_2 ml/l



Month

O_2 ml/l



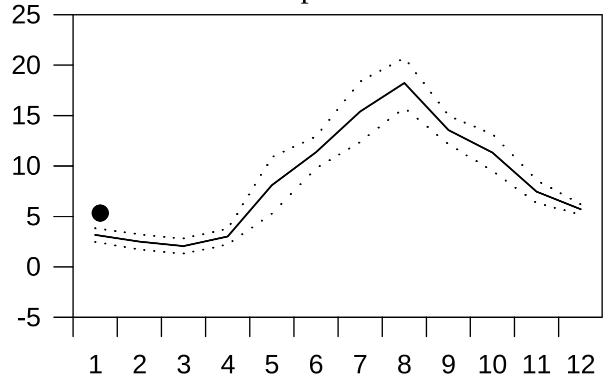
Year

STATION BY38 SURFACE WATER

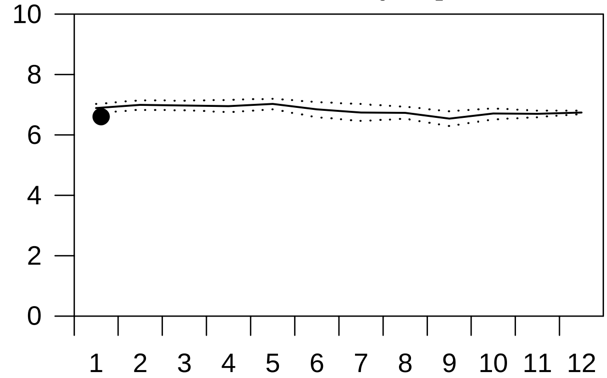
Annual Cycles

Mean 1990-1999 · St.Dev. · 2001

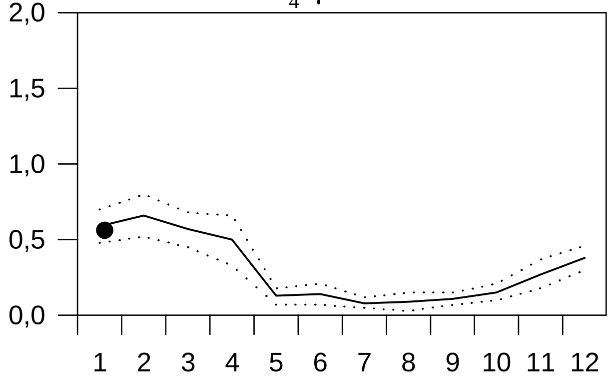
Temperature °C



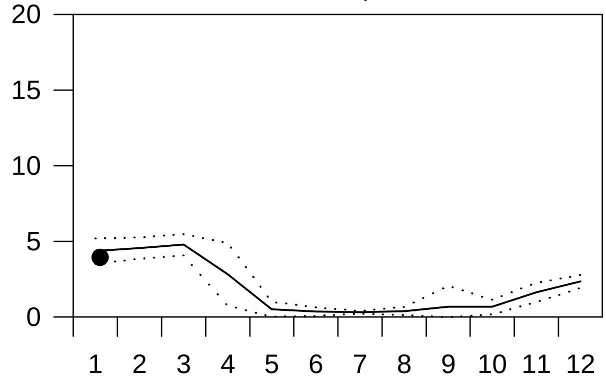
Salinity psu



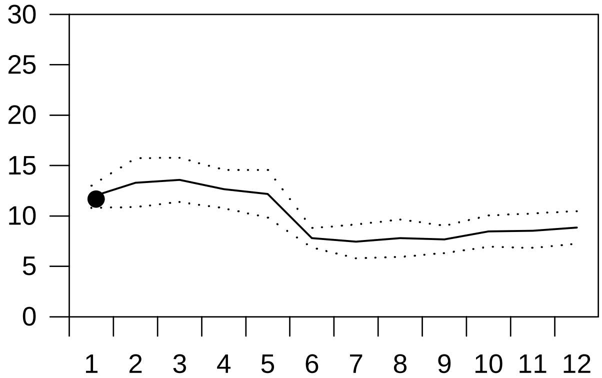
PO_4 μmol/l



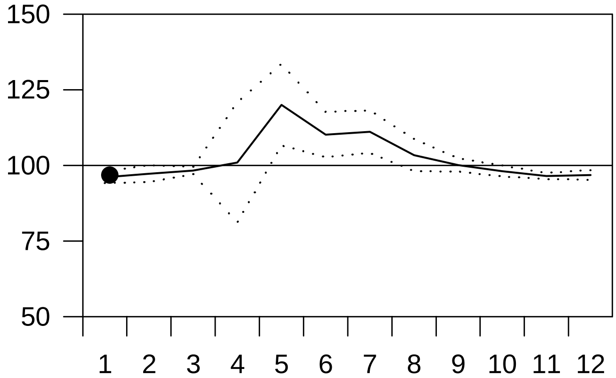
DIN μmol/l



SiO_3 μmol/l

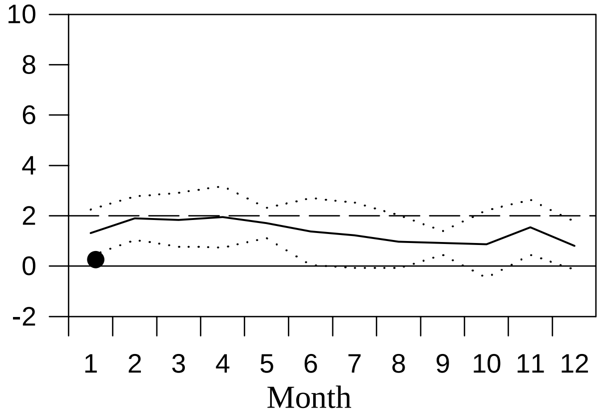


O_2 saturation %

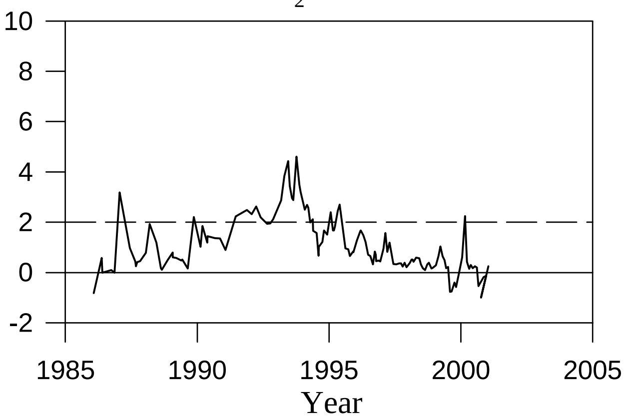


OXYGEN IN BOTTOM WATER

O_2 ml/l

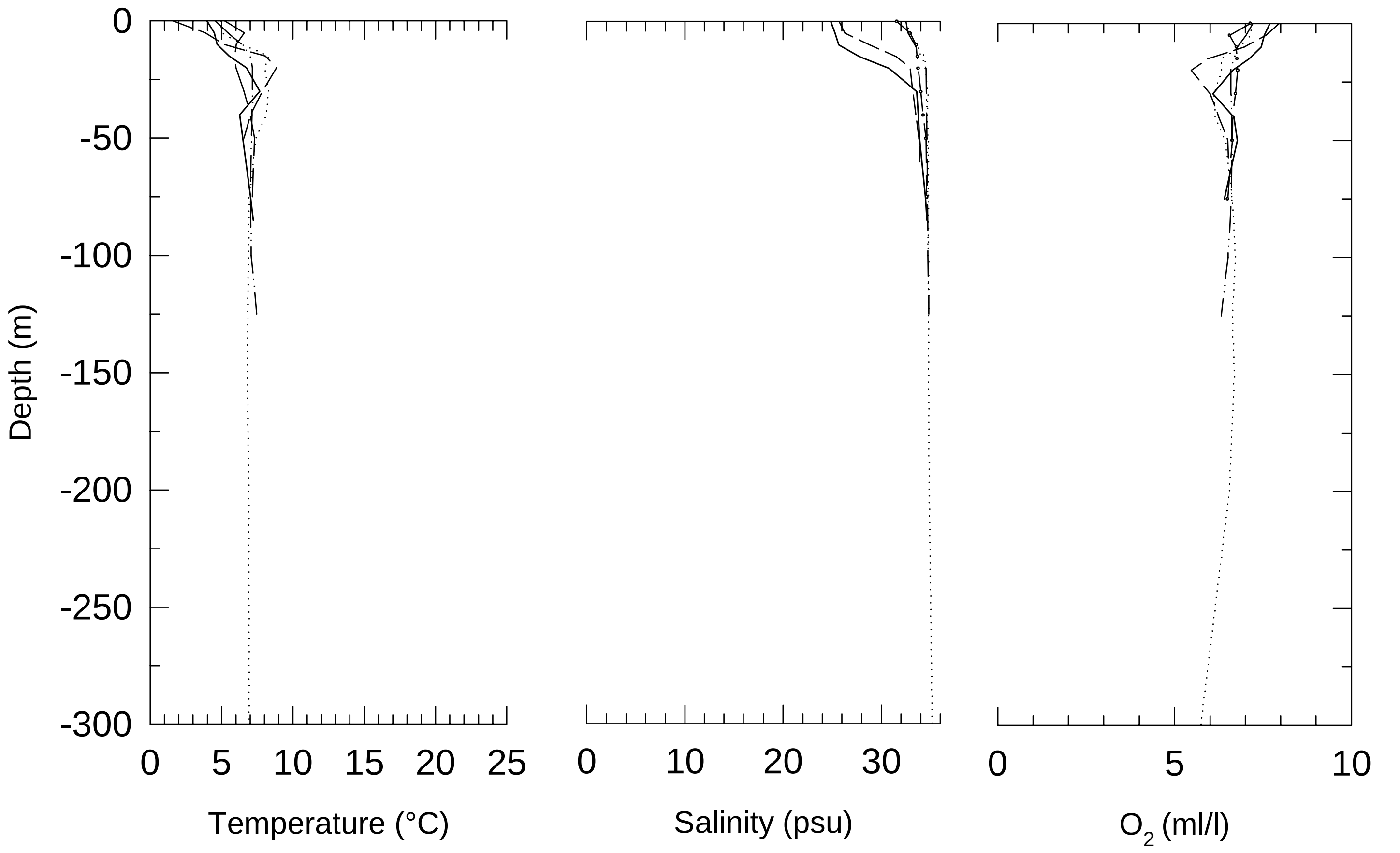


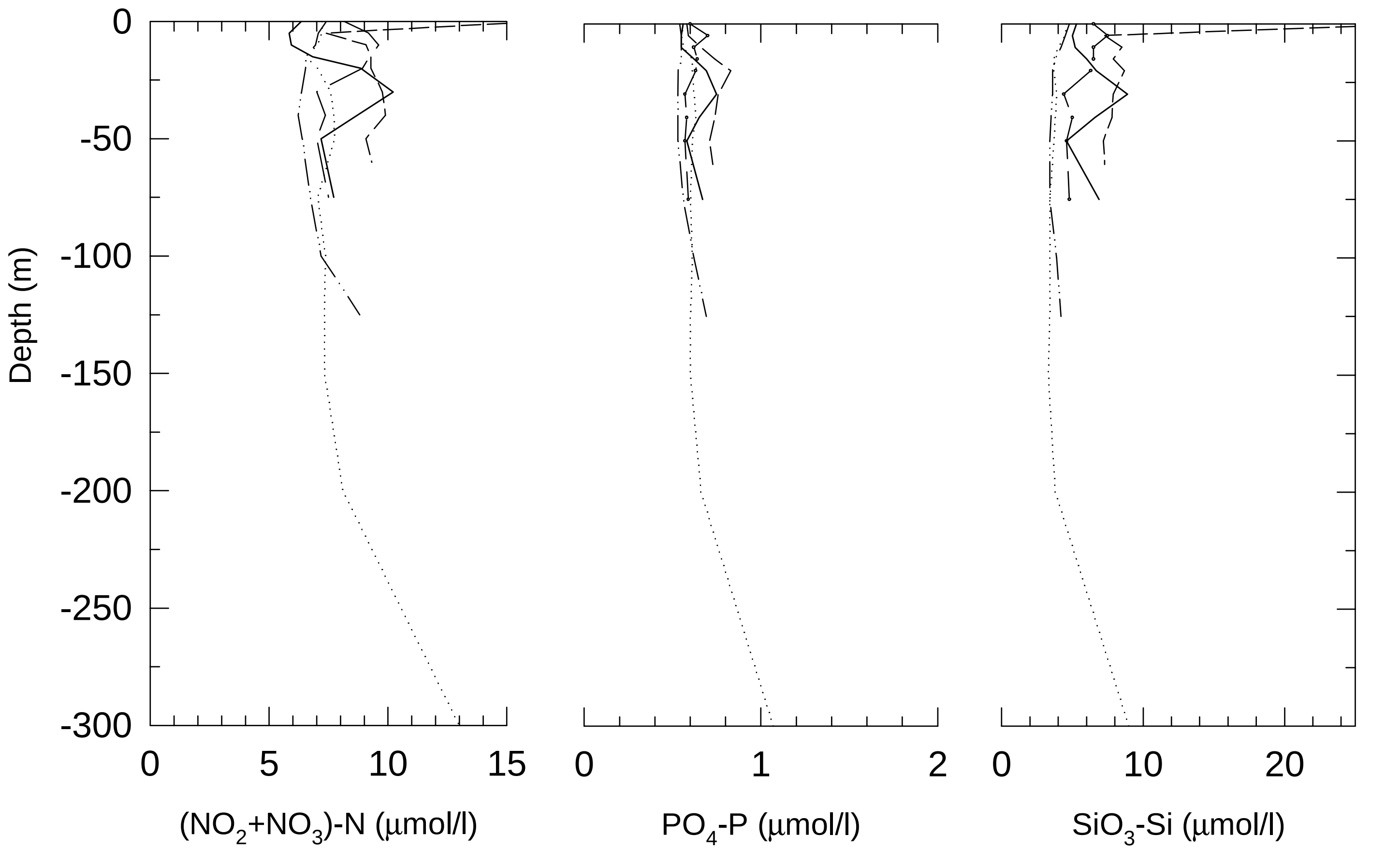
O_2 ml/l

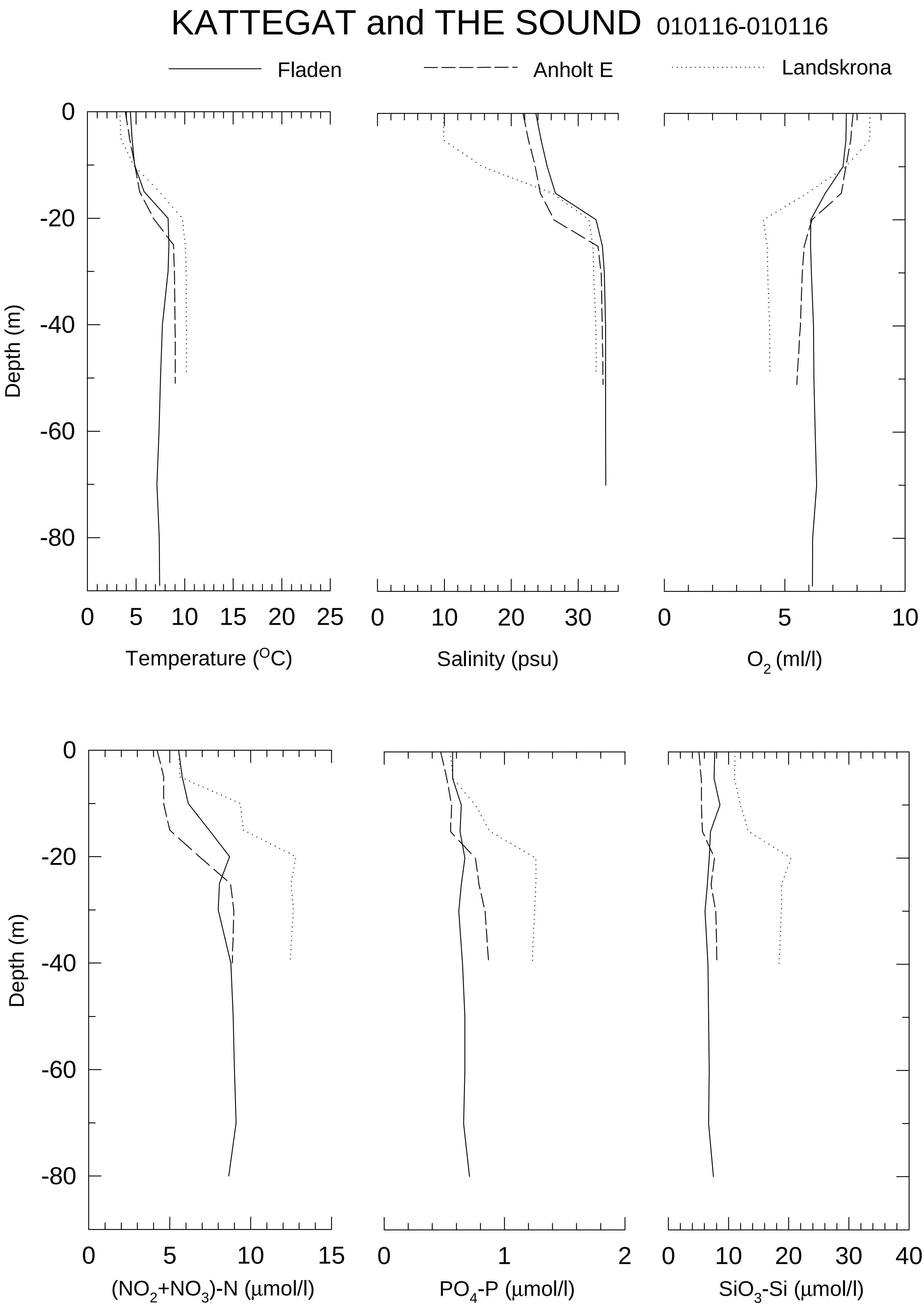


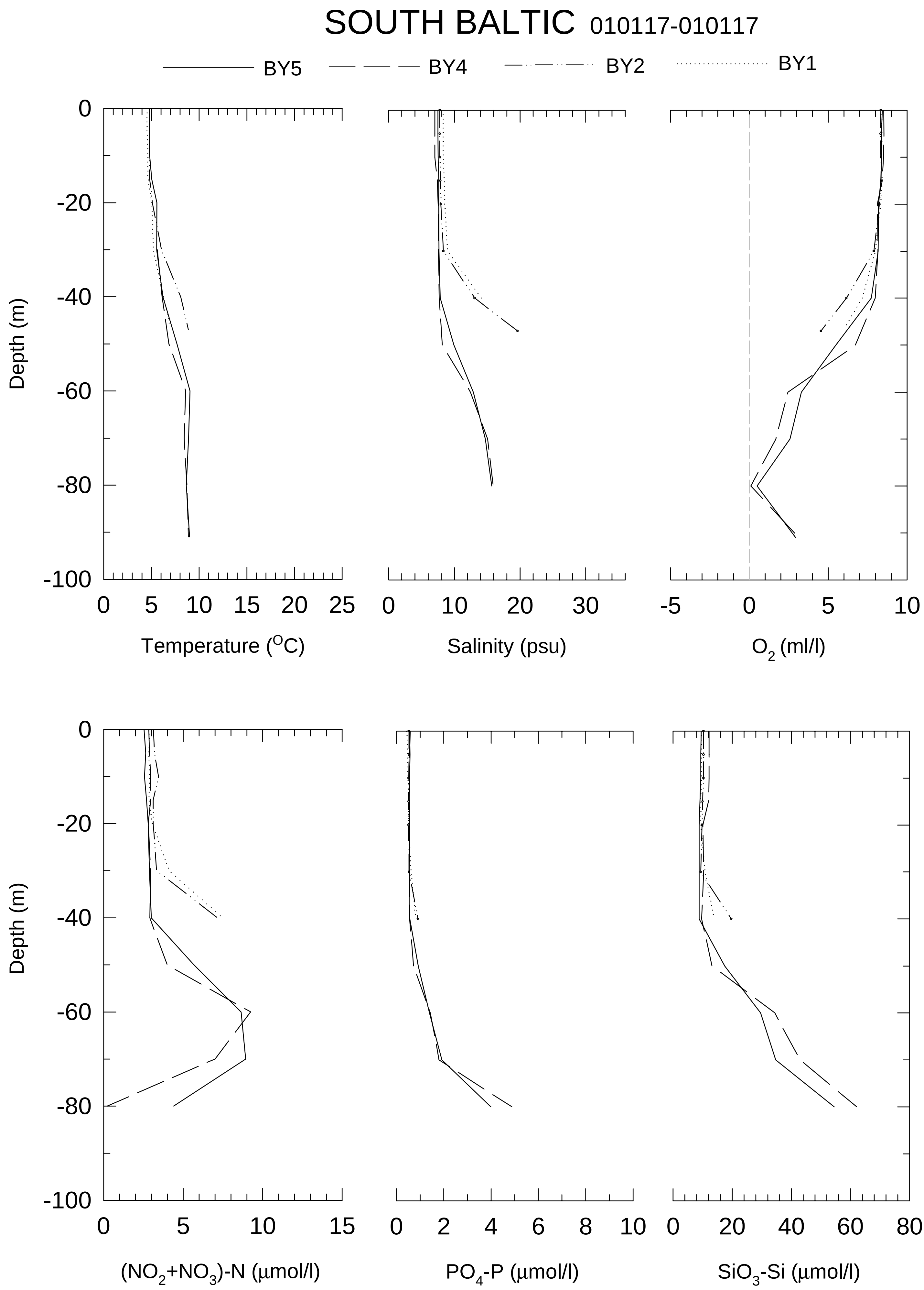
SKAGERRAK 010115-010115

P2 Å13 Å15 Å17 Släggö

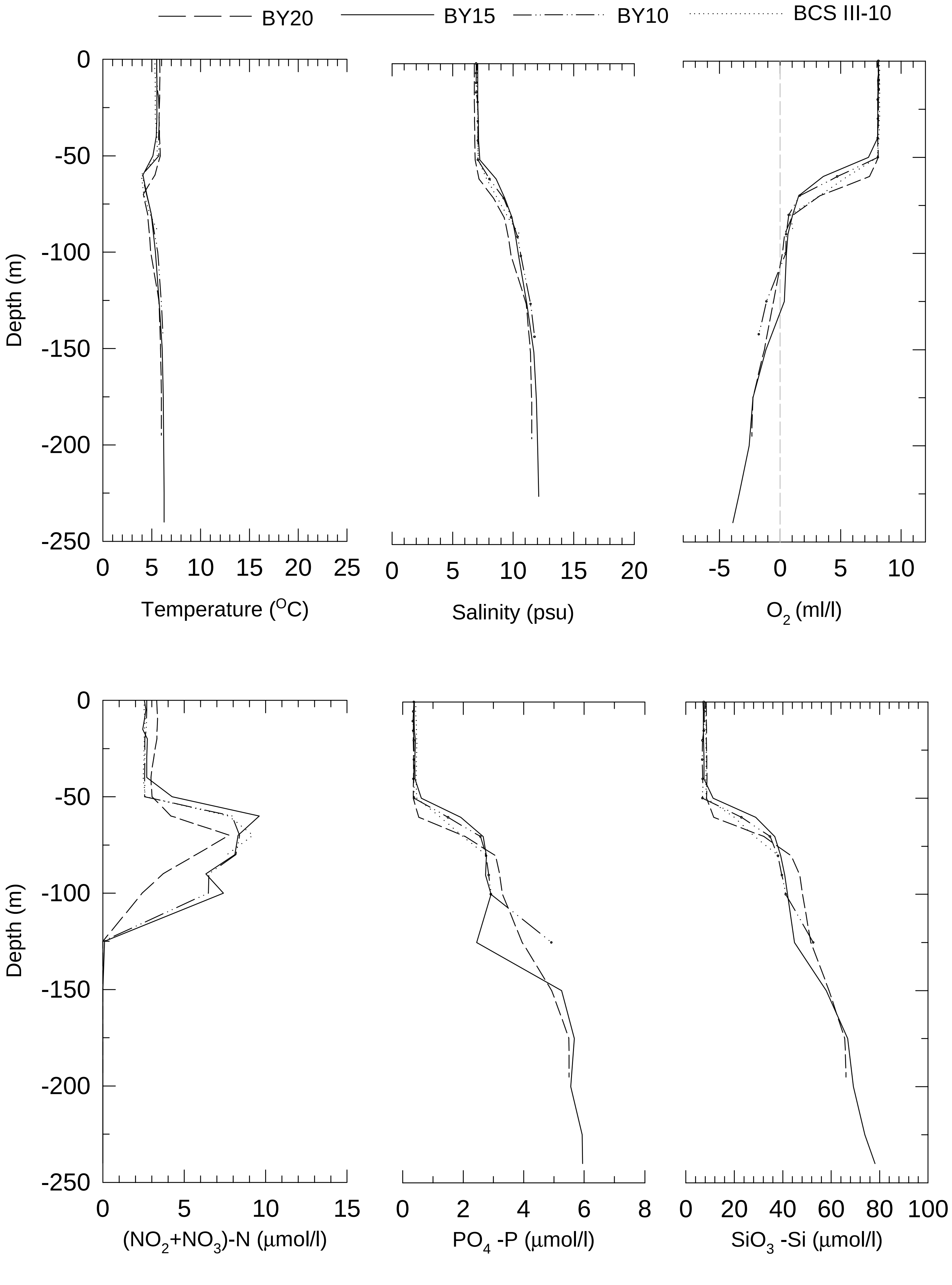




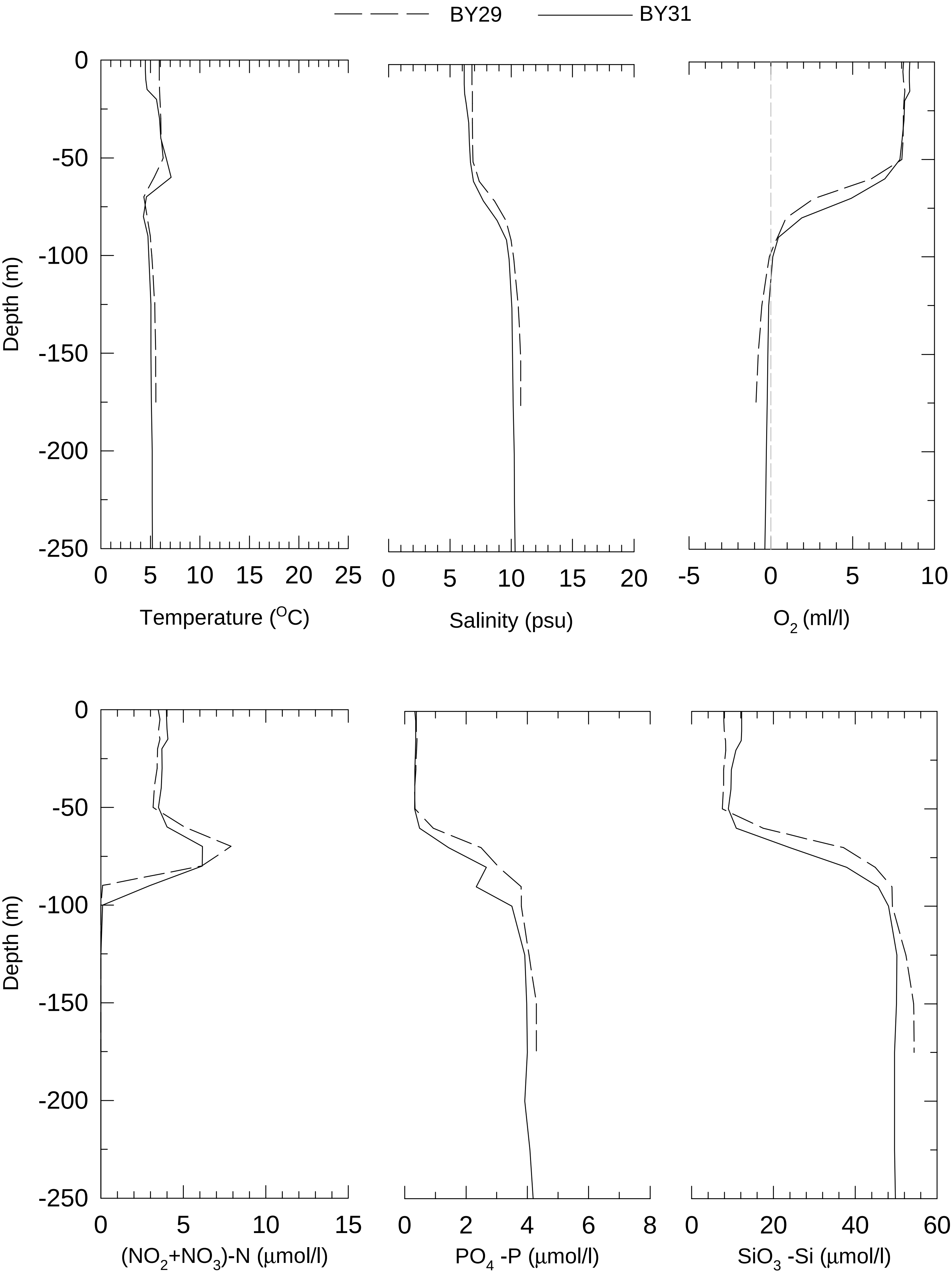

KATTEGAT and THE SOUND 010116-010116
Fladen
Anholt E
Landskrona
Depth (m)
0
-20
-40
-60
-80
0 5 10 15 20 25
Temperature (OC)
0 10 20 30
Salinity (psu)
0 5 10
O2 (ml/l)
Depth (m)
0
-20
-40
-60
-80
0 5 10 15
(NO2+NO3)-N (µmol/l)
0 1 2
PO4-P (µmol/l)
0 10 20 30 40
SiO3-Si (µmol/l)

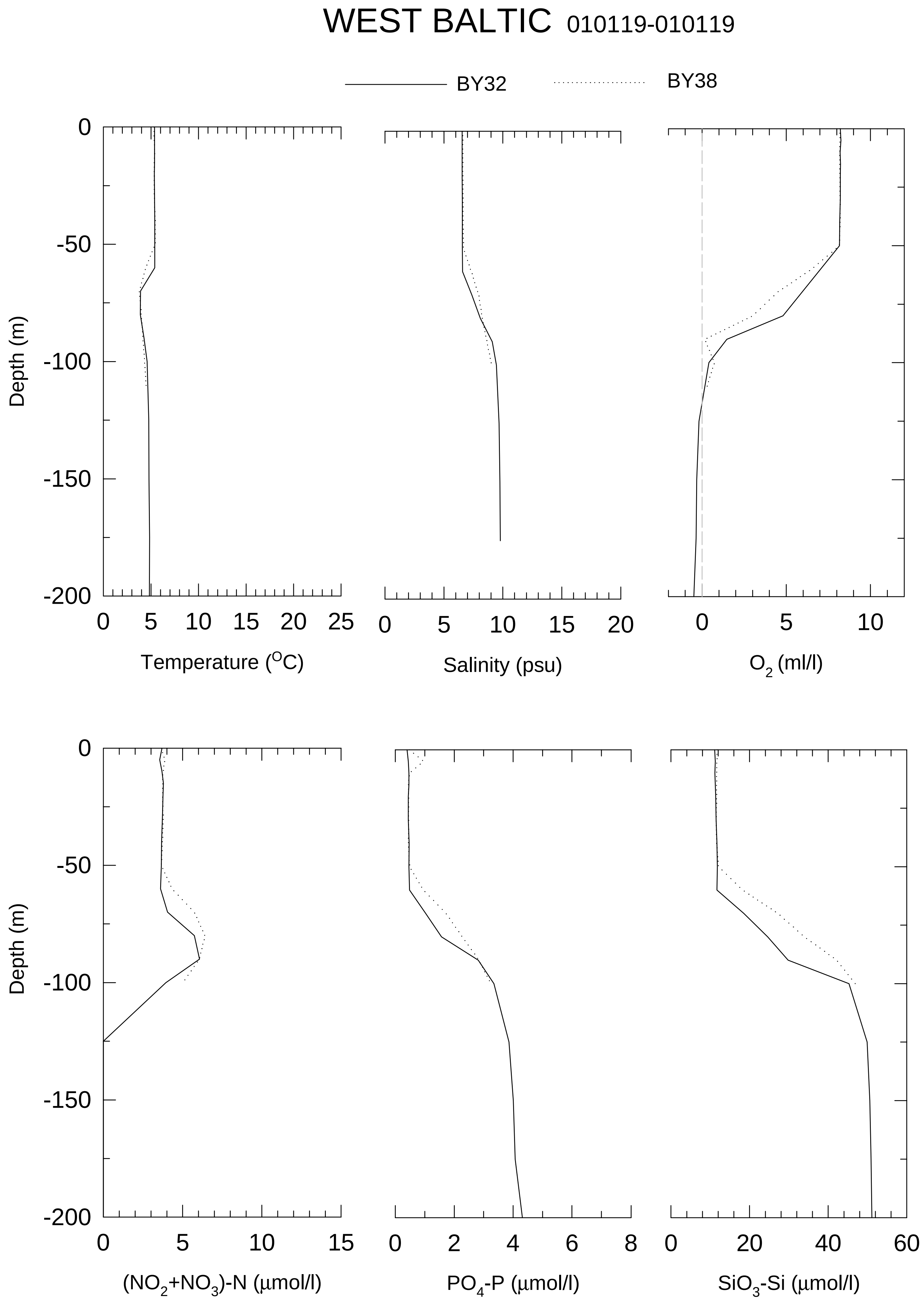

SOUTH BALTIC 010117-010117
BY5
BY4
BY2
BY1
Depth (m)
0
-20
-40
-60
-80
-100
0 5 10 15 20 25
Temperature (OC)
0 10 20 30
Salinity (psu)
-5 0 5 10
O2 (ml/l)
0 5 10 15
(NO2+NO3)-N (µmol/l)
0 2 4 6 8 10
PO4-P (µmol/l)
0 20 40 60 80
SiO3-Si (µmol/l)

EAST BALTIC 010118-010118



NORTH BALTIC 010119-010119




WEST BALTIC 010119-010119
BY32
BY38
Depth (m)
0
-50
-100
-150
-200
Temperature (OC)
0 5 10 15 20 25
Salinity (psu)
0 5 10 15 20
O2 (ml/l)
0 5 10
Depth (m)
0
-50
-100
-150
-200
(NO2+NO3)-N (µmol/l)
0 5 10 15
PO4-P (µmol/l)
0 2 4 6 8
SiO3-Si (µmol/l)
0 20 40 60