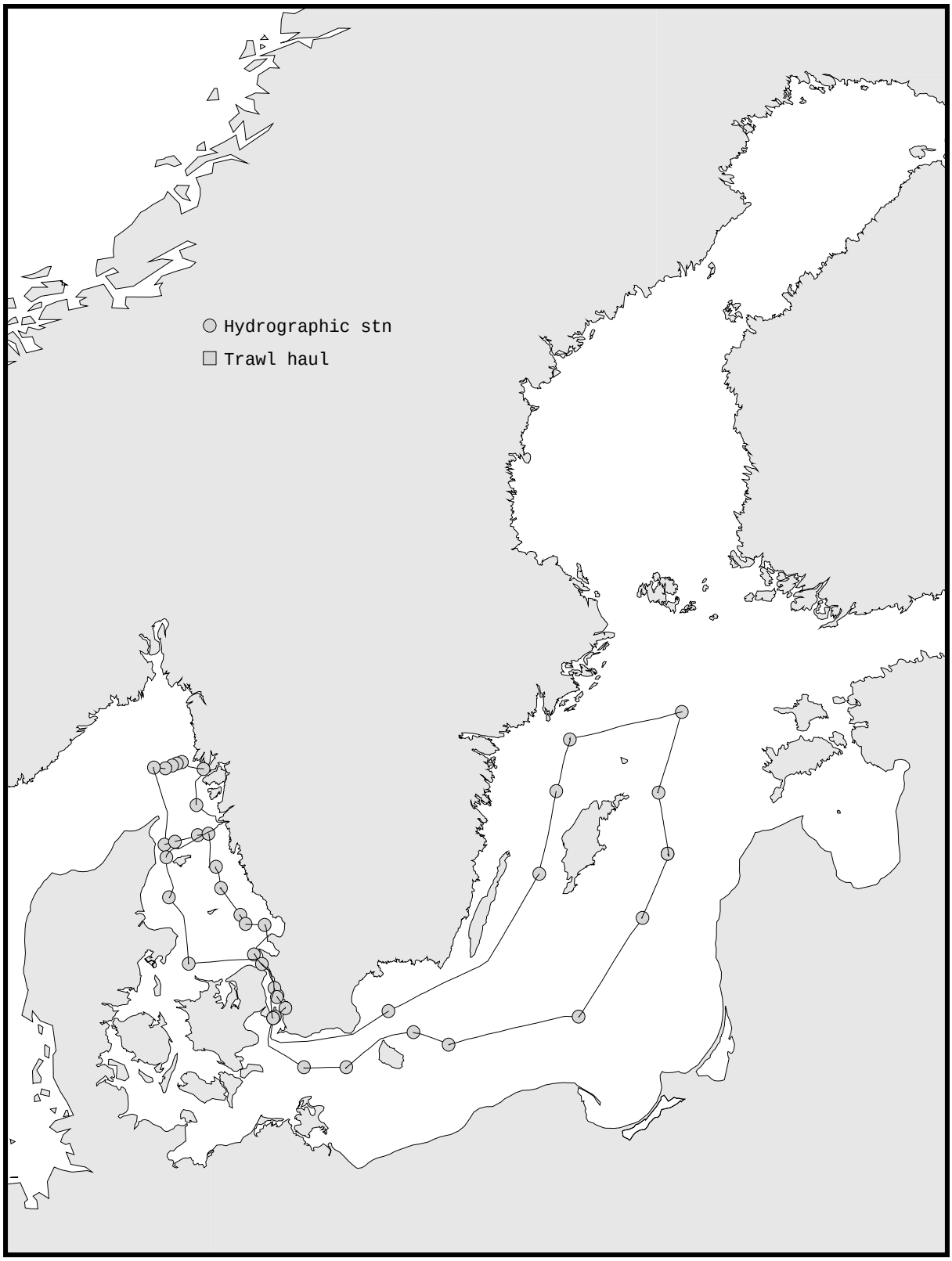
SMHI ***** Hydrographic Ship: 14-Argos ****** Date: 2002-01-18
Ocean lab ***** series Year: 2002 ****** Time: 10:57

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 press hPa	WCSI eloae tu hd	Ctd	PPCPZZT HrhhoorCilyooa motPBw PrP l	Node	Tem p	Sal in	Ph	Oxyg	H2S	PO4P	Tot P	NO2N	NO3N	NH4N	Tot N	Alk a l	SiO3	Humus	Lign i	PON	POC	TOC	Comm
0001	SKEX23BAS		P2	N5752	E1118	20020111	1145	91	5	23	10	2.9	1026	4830	x	--x----	10	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0002	FIBG27BAS		SLÄGGÖ	N5815.5	E1126.0	20020111	1435	66		23	8	3.7	1025	4830	x	--xx---	9	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0003	SKEX14BAS		Å13	N5820.2	E1102	20020111	1640	83		23	8	3.7	1023	9930	x	--x----	9	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0004	SKEX15BAS		Å14	N5819	E1056.5	20020111	1720	110		23	8	4.2	1023	9930	x	-------	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0005	SKEX16BAS		Å15	N5817.7	E1051	20020111	1800	134		23	8	4.2	1023	9930	x	-------	11	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0006	SKEX17BAS		Å16	N5816	E1043.5	20020111	1855	202		23	8	4.2	1023	9930	x	-------	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0007	SKEX18BAS		Å17	N5816.5	E1030.8	20020111	2020	318		23	8	4.2	1023	9930	x	--xx---	14	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0008	KANX07BAS		GF9	N5726	E1042.5	20020112	0145	26		23	6	1.6	1025	9920	x	-------	6	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0009	KANX06BAS		GF8	N5727.9	E1054	20020112	0240	40		23	8	2.0	1025	9920	x	-------	7	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0010	KANX04BAS		GF6	N5732	E1119.5	20020112	0430	45		23	5	2.9	1025	9920	x	-------	8	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0011	KANX02BAS		SW VINGA GF4	N5733	E1131.5	20020112	0535	80		23	5	2.9	1025	9930	x	-------	11	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0012	KANX25BAS		FLADEN	N5711.5	E1140	20020112	0835	80	8	23	4	3.4	1026	4830	x	--xx---	12	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	x
0013	KANX26BAS		L:A MIDDELGRUND	N5657.5	E1145.5	20020112	1100	101	10	23	5	3.5	1027	4820	x	-------	13	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	x
0014	KAEX29BAS		ANHOLT E	N5640.0	E1207.0	20020112	1335	54	7	29	5	2.9	1027	4830	x	-xxxx--	10	x	x	x	x	-	x	x	x	x	x	x	x	x	x	-	-	-	-	x
0015	KAEX30BAS		ST MIDDELGRUND	N5634	E1213	20020112	1515	52		23	5	3.0	1027	4930	x	-------	8	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0016	KAEL63BAS		LAHOLM-3 (YG)	N5633.3	E1234	20020112	1640	22		23	7	3.0	1028	9930	x	-------	5	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0017	KAEX33BAS		KULLEN	N5614	E1222.2	20020112	1935	25		23	5	1.7	1025	9920	x	-------	6	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0018	SONX33BAS		ÖRESUND-12X	N5607.6	E1231.0	20020112	2045	26		23	5	1.7	1025	9920	x	-------	6	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0019	SOCX39BAS		W LANDSKRONA	N5552.0	E1245.0	20020112	2300	50		23	3	1.9	1030	4910	x	--x----	9	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0020	SOCX41BAS		ÖRESUND-7	N5546.2	E1247.8	20020113	0005	19		27	3	2.4	1030	4920	x	-------	5	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0021	SOCX44BAS		ÖRESUND-4	N5538.8	E1257.3	20020113	0125	15		27	5	1.6	1030	4920	x	-------	4	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0022	SOSX46BAS		ÖRESUND-2	N5533.25	E1245.5	20020113	0245	11		23	4	1.6	1030	4910	x	-------	3	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	x
0023	SOSX48BAS		DROGDEN E	N5532.40	E1243.75	20020113	0305	11		23	4	1.6	1030	4910	x	-------	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0024	BPSA02BAS		BY1	N5500	E1318	20020113	0735	47		23	7	1.9	1030	4920	x	-------	8	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0025	BPSA03BAS		BY2 ARKONA	N5500	E1405	20020113	1035	48	7	21	9	3.1	1030	2730	x	--xx---	8	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0026	BPSB06BAS		BY4 CHRISTIANSÖ	N5523	E1520	20020113	1535	94		23	8	4.4	1030	2830	x	-------	13	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0027	BPSB07BAS		BY5 BORNHOLMSDJ	N5515	E1559	20020113	1825	89		23	7	3.6	1030	9930	x	-xxx---	12	x	x	x	x	-	x	x	x	x	x	x	x	x	x	-	-	-	-	x

T R A C K C H A R T

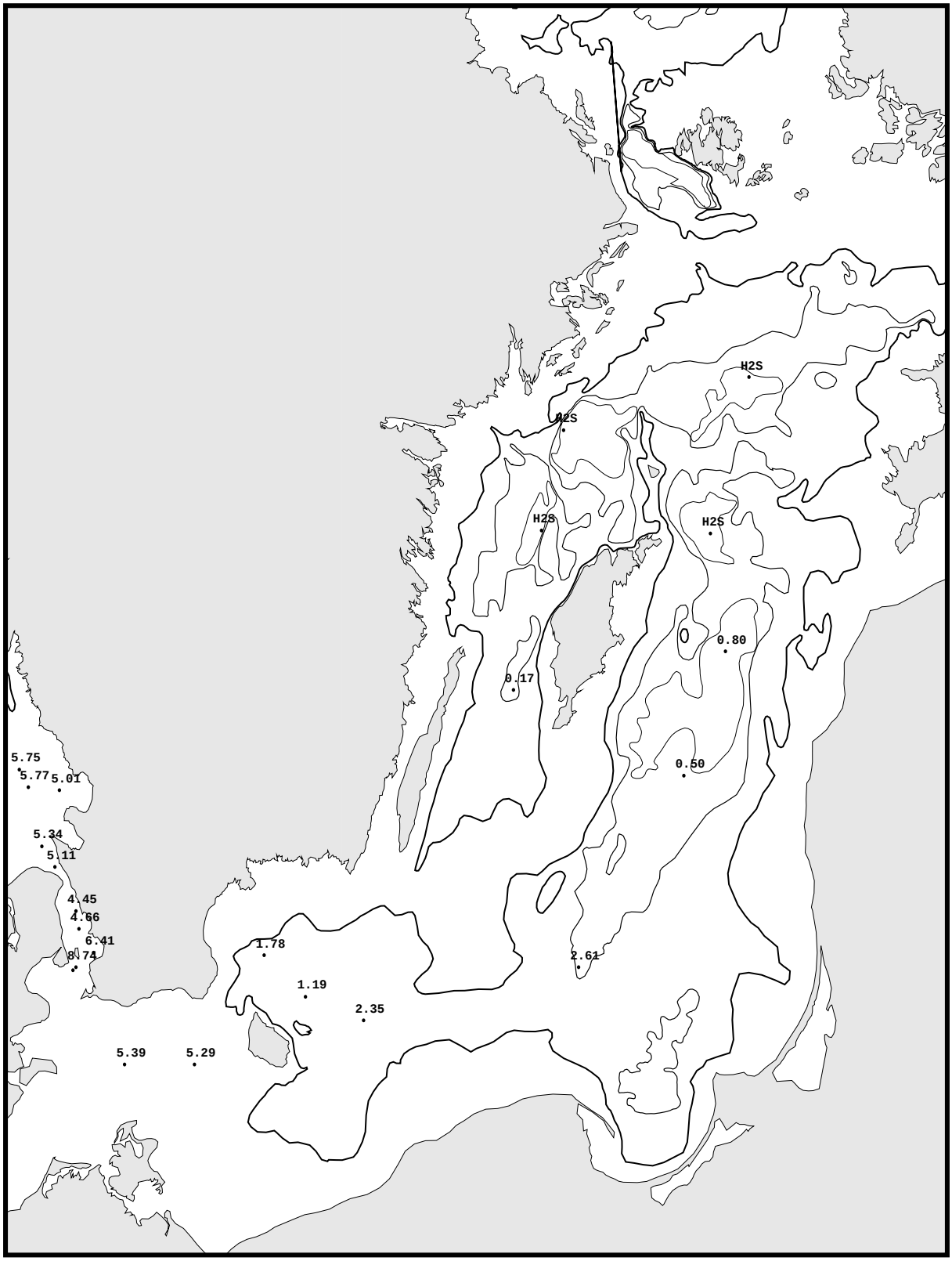
Country: Sweden
Ship : Argos
Date : 20020111-20020117
Series : 0001-0041



CSR RefNo: 2002-77AR/0001-0041

Bottom water oxygen concentration (ml/l)

Country: Sweden
Ship : Argos
Date : 20020111-20020116
Series : 0001-0037

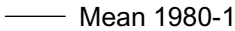


SMHI ***** Hydrographic Ship: 14-Argos ****** Date: 2002-01-18
Ocean lab ***** series Year: 2002 ****** Time: 10:57

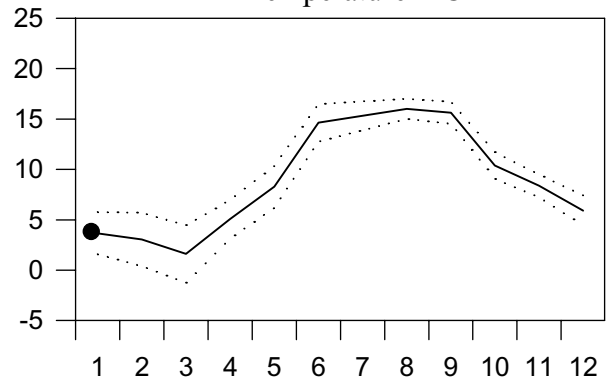
Ser no	Stat code	Proj	Station	Lat	Lon	Date yyyymmdd	Time hhmm utc	Bottom depth m	Secchi depth m	Wind dir	Wind vel	Air temp C	Air pres hPa	WCSI elec aoae tu hd	Ctd	PPCPZZT Hrhhoor Cilyooa motPBw PrP l	Node	Tem p	Sal in	Ph	Oxyg	H2S	PO4P	TotP	NO2N	NO3N	NH4N	TotN	Alk3	SiO3	Humus	Lign i	POC	POC	TOC	Comm
0028	BPSE11BAS		BCS III-10	N5533.3	E1824	20020114	0235	90		23	10	3.0	1029	9930	x	--xx---	12	x	x	-	x	-	x	x	x	x	x	-	x	x	-	-	-	-	-
0029	BPEX13BAS		BY10	N5638	E1935	20020114	1005	148	10	23	12	2.9	1025	2840	x	--x----	15	x	x	-	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0030	BPEX21BAS		BY15 GOTLANDSDJ	N5720	E2003	20020114	1445	249		23	14	3.1	1023	2840	x	--xx---	19	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
0031	BPEX21BAS		BY15 GOTLANDSDJ	N5720	E2003	20020114	1550	249		23	14	3.1	1023	2840	x	-------	10	x	x	-	x	x	x	-	x	x	-	-	-	x	-	-	-	-	-	x
0032	BPEX26BAS		BY20 FÅRÖDJ	N5800	E1953	20020114	2000	202		25	10	3.0	1020	9940	x	--x----	17	x	x	-	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0033	BPNX35BAS		BY29	N5853	E2019	20020115	0145	172		23	9	4.3	1015	9940	x	-------	16	x	x	-	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-
0034	BPNX37BAS		BY31 LANDSORTSDJ	N5835	E1814	20020115	0945	459	9	23	9	3.2	1015	2730	x	--xx---	23	x	x	-	x	x	x	x	x	x	x	-	x	x	-	-	-	-	-
0035	BPWX38BAS		BY32 NORRKÖPINGSDJ	N5801	E1759	20020115	1415	205		23	10	2.4	1016	2830	x	-------	17	x	x	-	x	x	x	x	x	x	x	-	x	-	-	-	-	-	x
0036	BPWX45BAS		BY38 KARLSÖDJ	N5707	E1740	20020115	2010	110		23	10	2.3	1017	9940	x	--xx---	14	x	x	-	x	-	x	x	x	x	x	-	x	x	-	-	-	-	-
0037	BPSH05BAS		HANÖBUKTEN	N5537	E1452	20020116	1045	80	10	23	6	1.4	1018	2730	x	-------	11	x	x	-	x	-	x	-	x	x	x	-	-	x	-	-	-	-	-	x
0038	SOSX48BAS		DROGDEN E	N5532.40	E1243.75	20020116	1820	11		27	6	1.9	1018	9910	x	-------	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0039	KAWX14BAS		925 KATTEGAT SW	N5607.9	E1109.6	20020117	0200	41		23	9	3.3	1015	9930	x	-------	7	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	x
0040	KAWA11BAS		409 ÅLBORG BUGT	N5651.4	E1047.5	20020117	0620	14		23	8	4.0	1013	9930	x	-------	4	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	-
0041	KANX09BAS		LÄSÖ RÄNNA	N5717.6	E1044.5	20020117	0910	43	8	23	8	4.0	1013	4920	x	-------	7	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-	-	-	x

STATION A13 SURFACE WATER

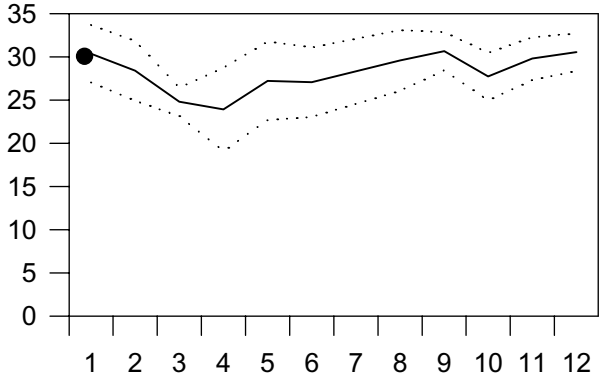
Annual Cycles



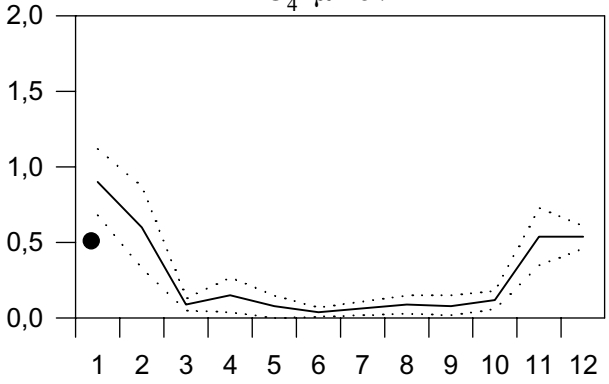
Temperature °C



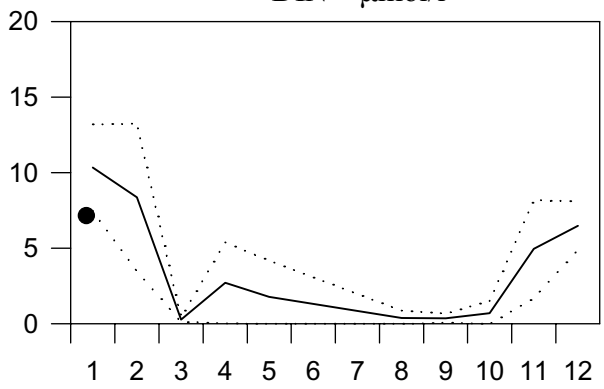
Salinity psu



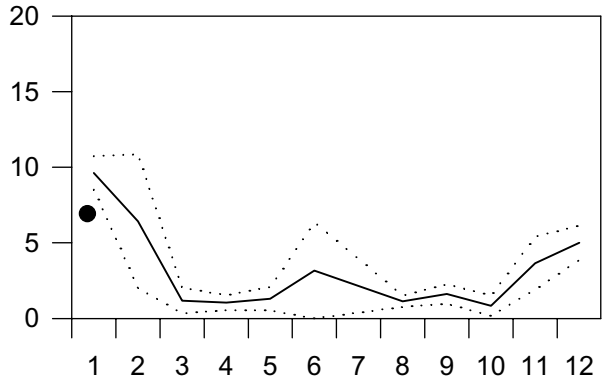
PO_4 µmol/l



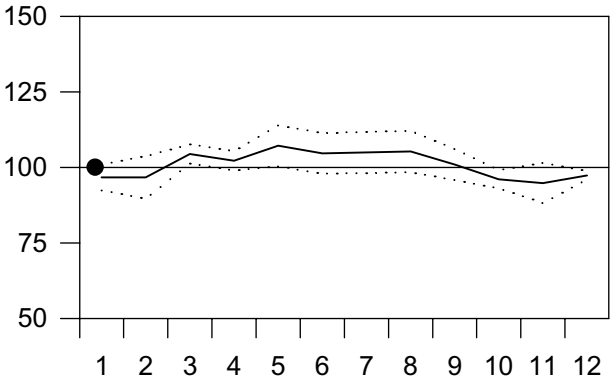
DIN µmol/l



SiO_3 µmol/l

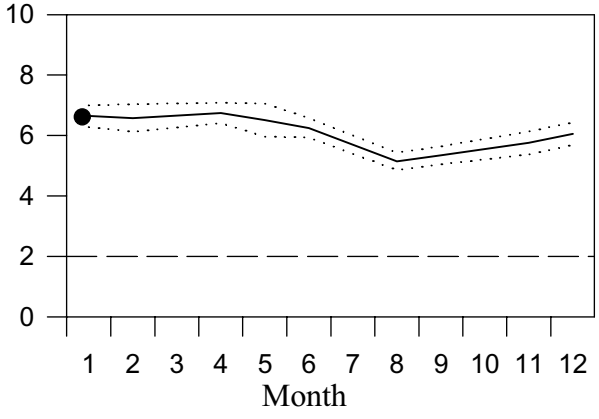


O_2 saturation %

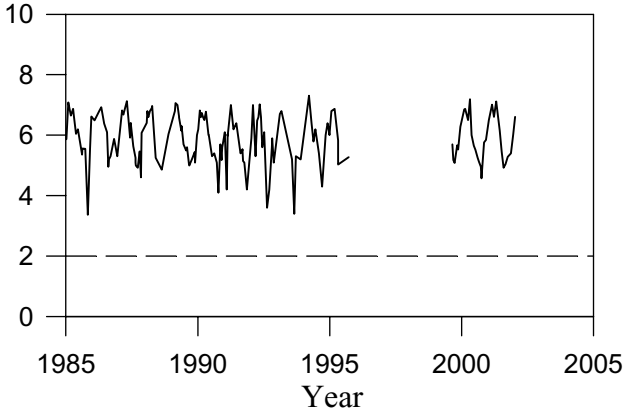


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

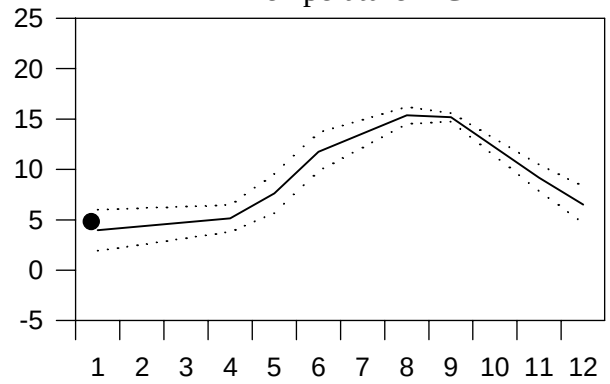


STATION A17 SURFACE WATER

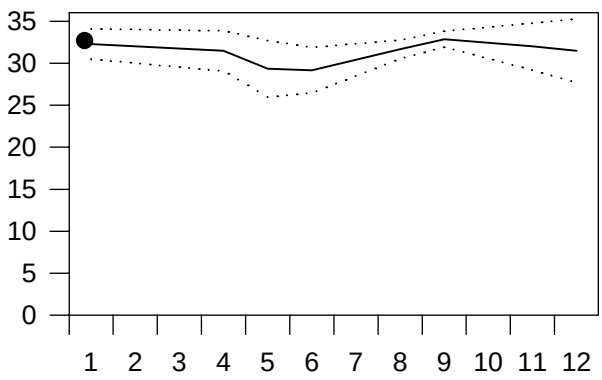
Annual Cycles

Mean 1980-1999 ····· St.Dev. ● 2002

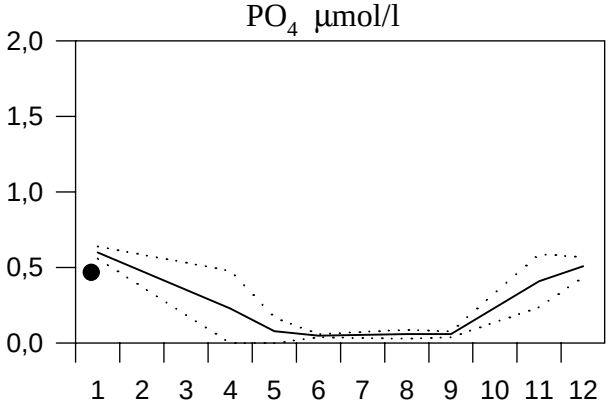
Temperature °C



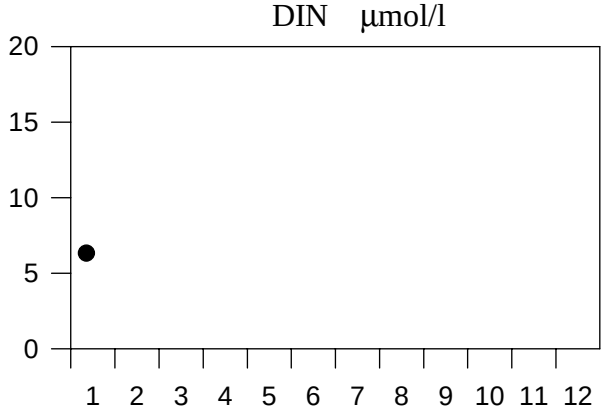
Salinity psu



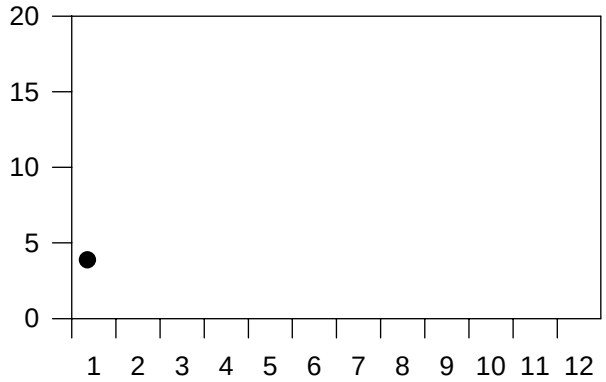
PO_4 µmol/l



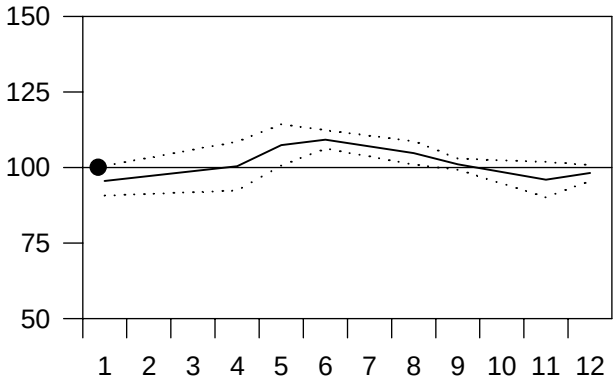
DIN µmol/l



SiO_3 µmol/l

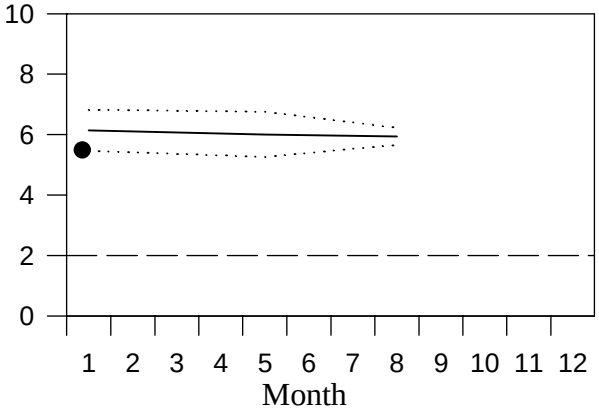


O_2 saturation %

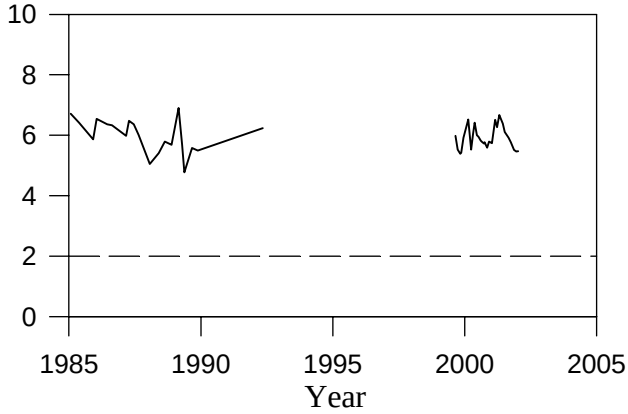


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

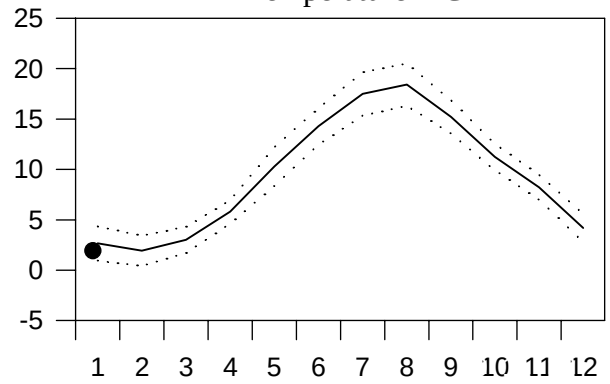


STATION ANHOLT E SURFACE WATER

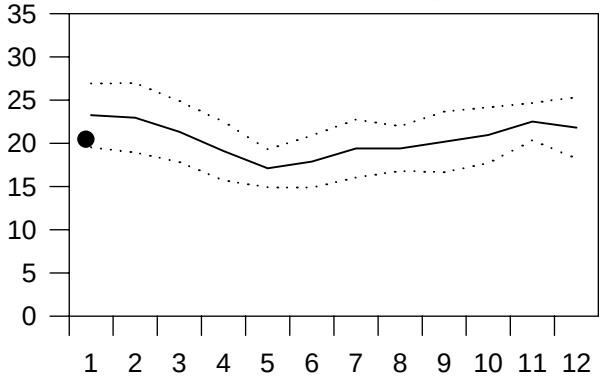
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

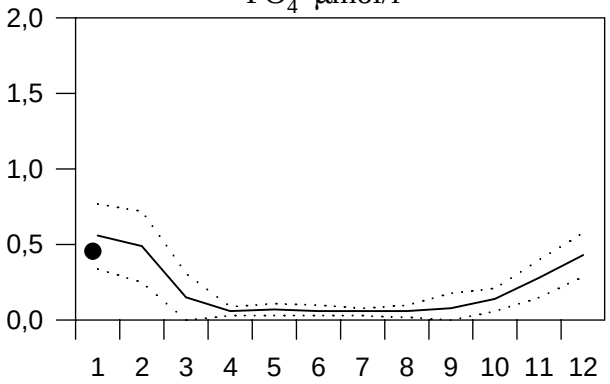
Temperature °C



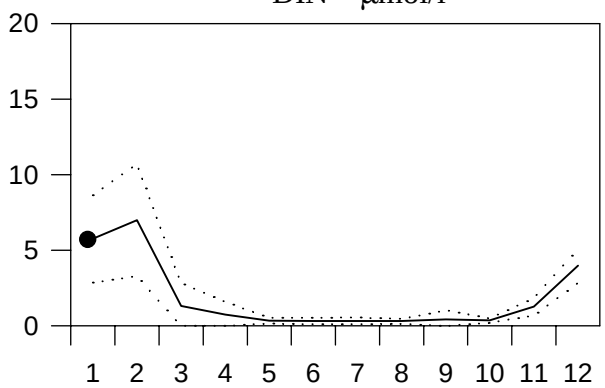
Salinity psu



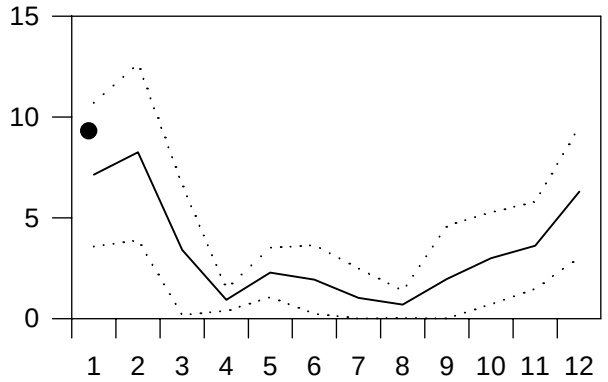
PO_4 µmol/l



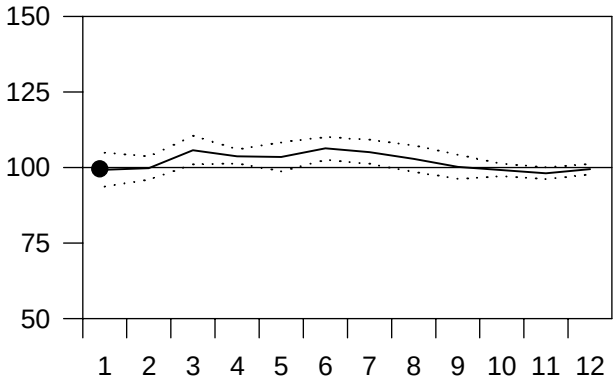
DIN µmol/l



SiO_3 µmol/l

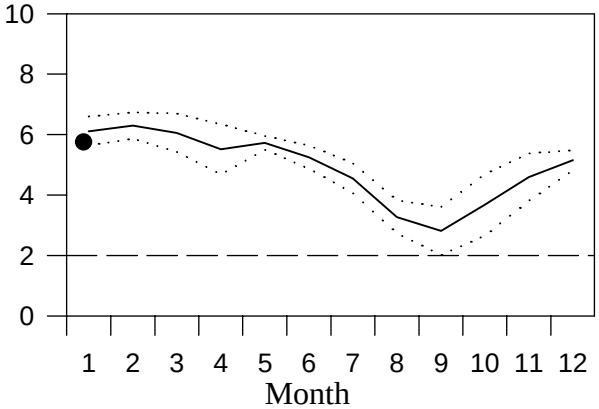


O_2 saturation %

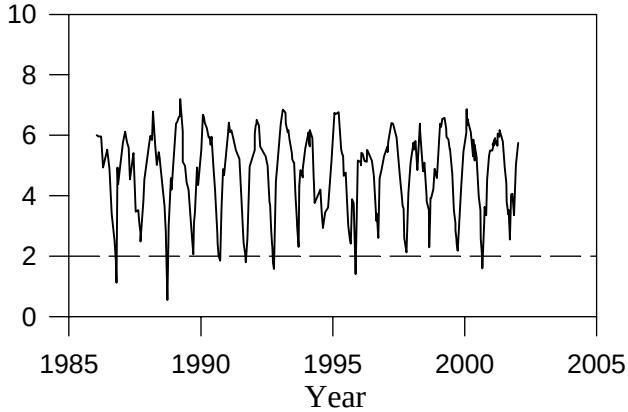


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

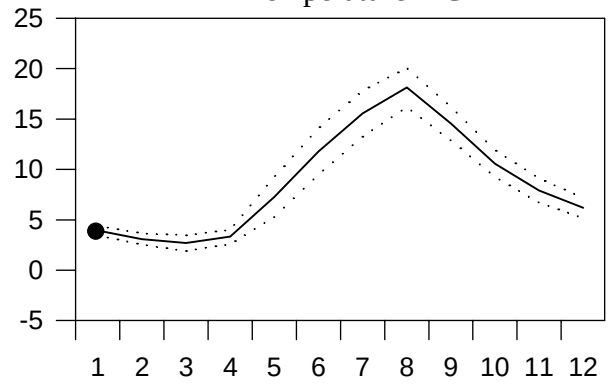


STATION BCS III-10 SURFACE WATER

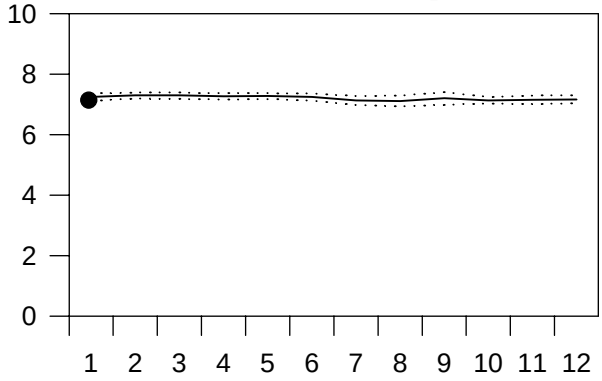
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

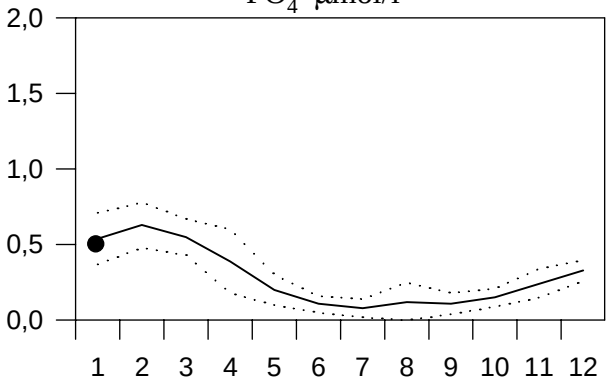
Temperature °C



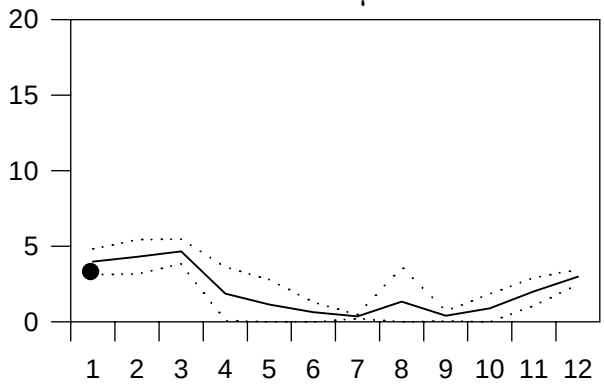
Salinity psu



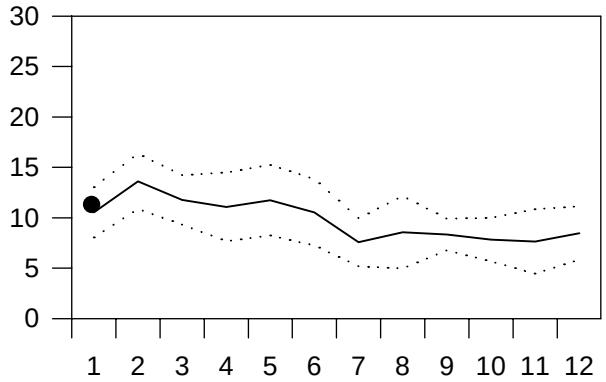
PO_4 µmol/l



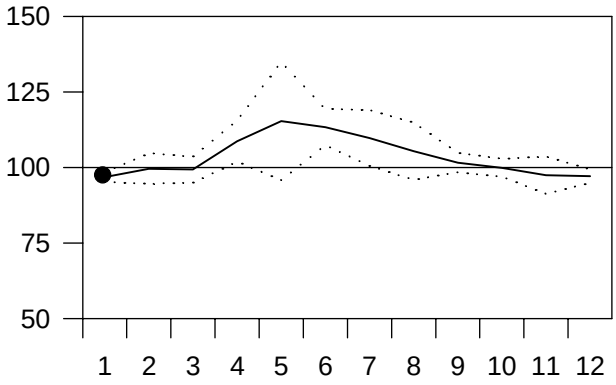
DIN µmol/l



SiO_3 µmol/l

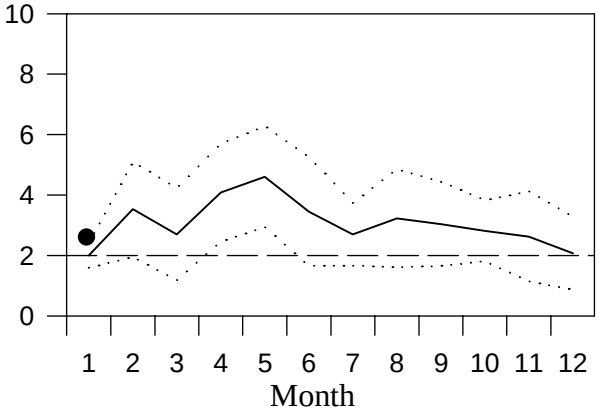


O_2 saturation %

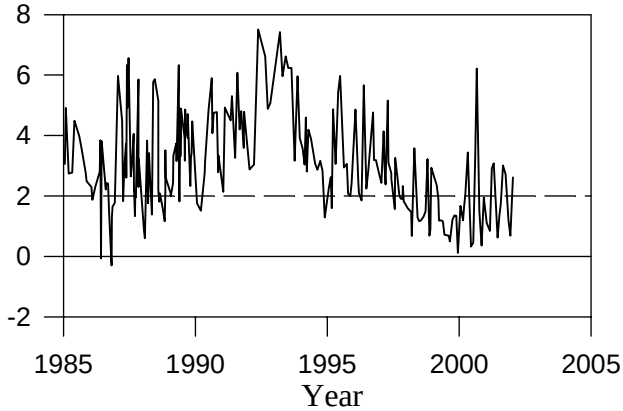


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

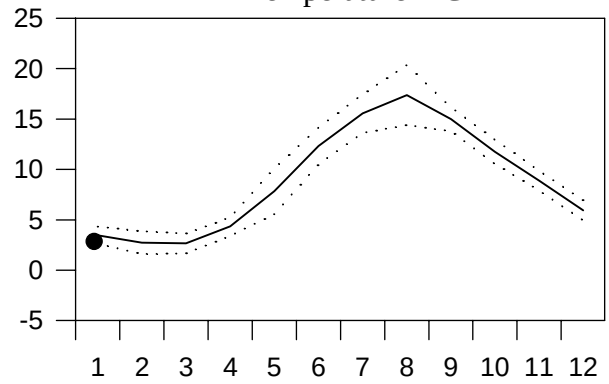


STATION BY1 SURFACE WATER

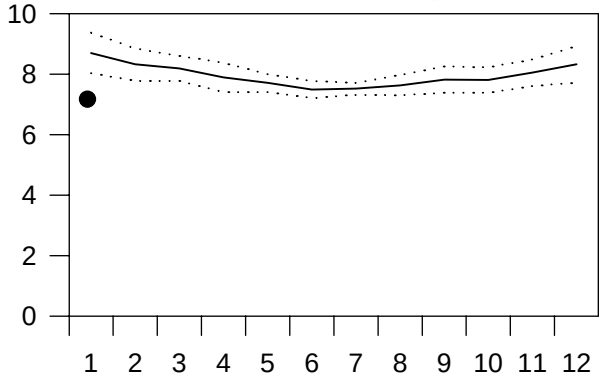
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

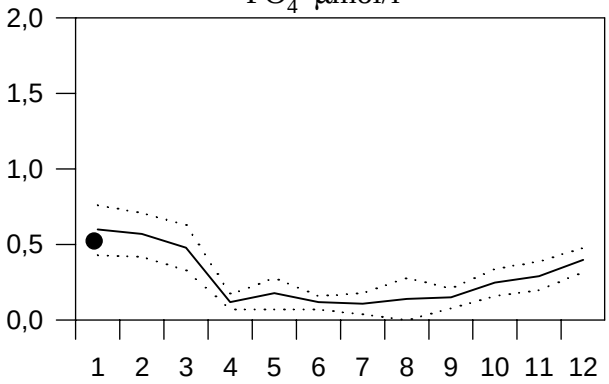
Temperature °C



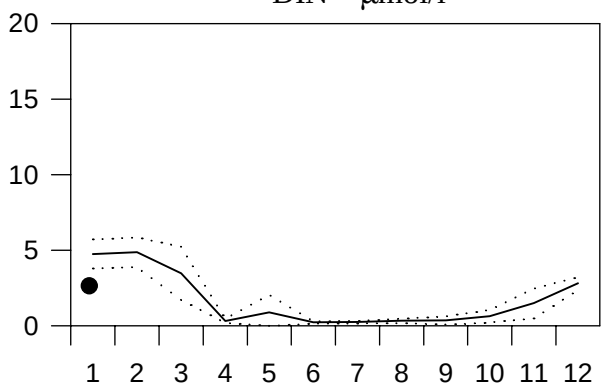
Salinity psu



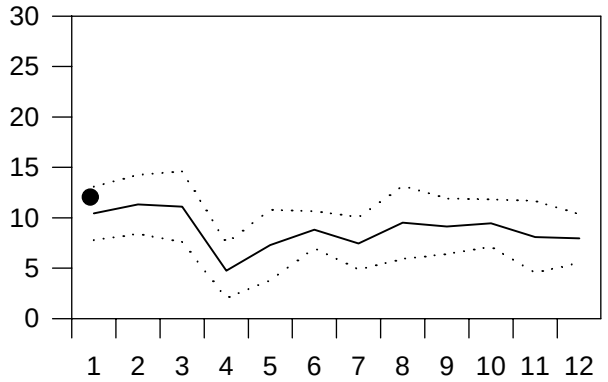
PO_4 µmol/l



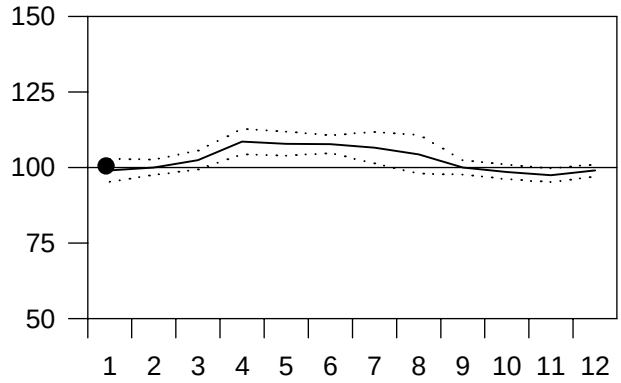
DIN µmol/l



SiO_3 µmol/l

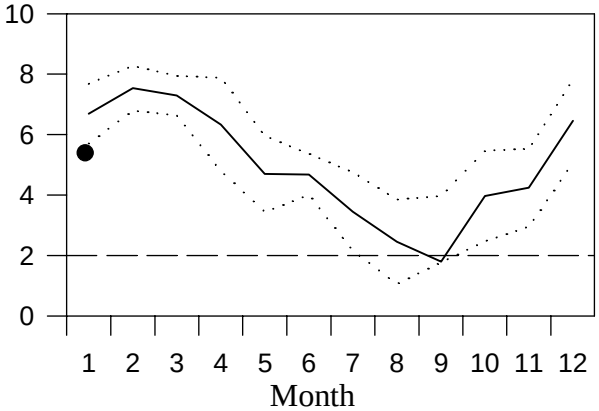


O_2 saturation %

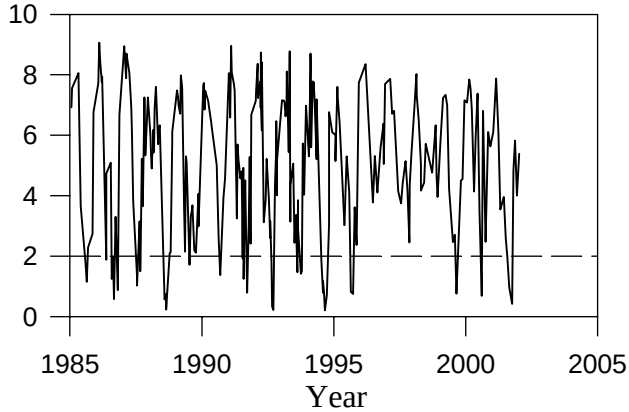


OXYGEN IN BOTTOM WATER

O_2 ml/l

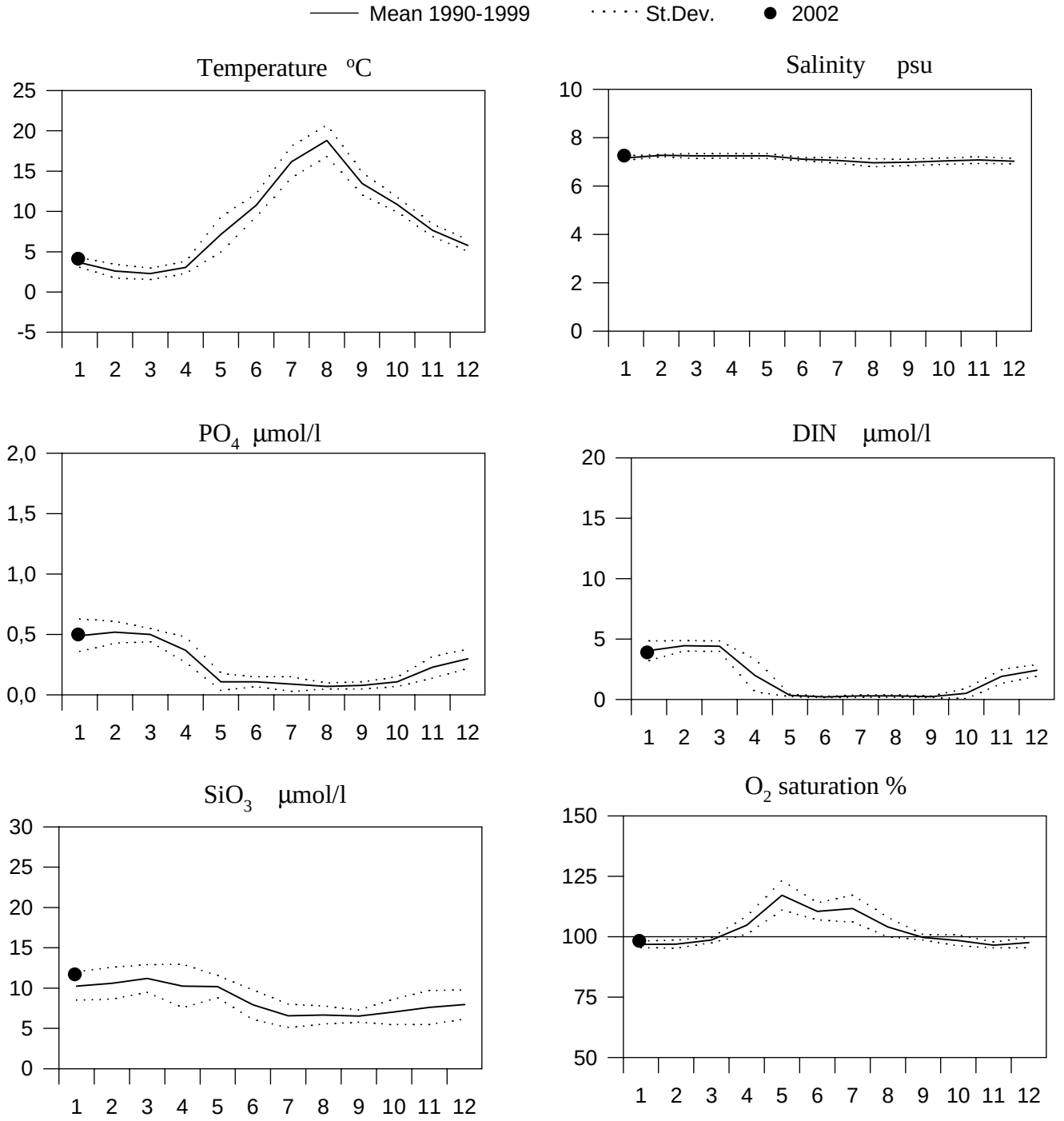


O_2 ml/l

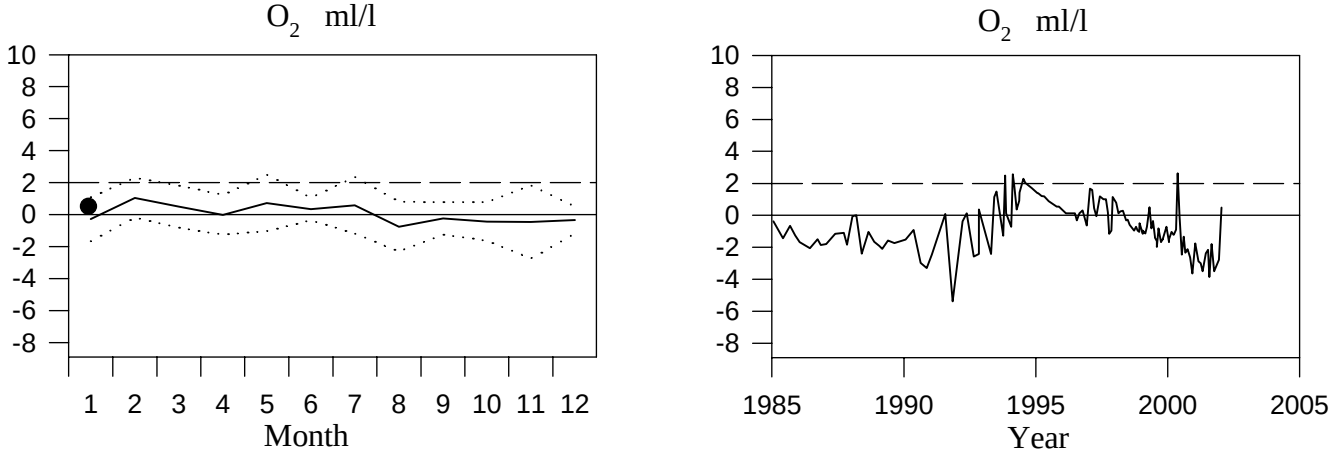


STATION BY10 SURFACE WATER

Annual Cycles



OXYGEN IN BOTTOM WATER

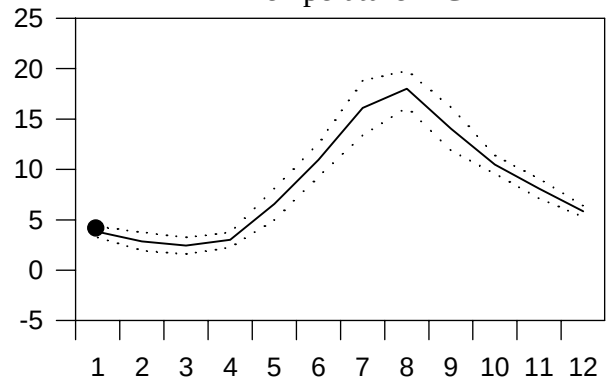


STATION BY15 SURFACE WATER

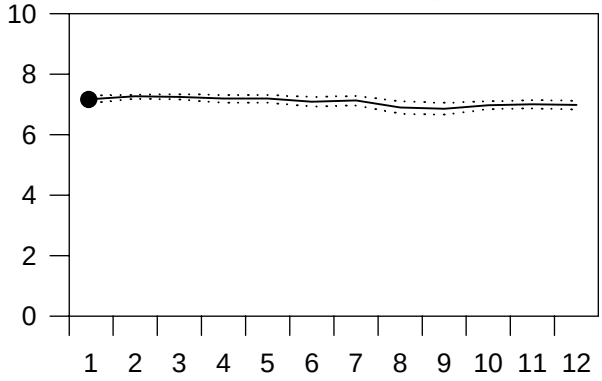
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

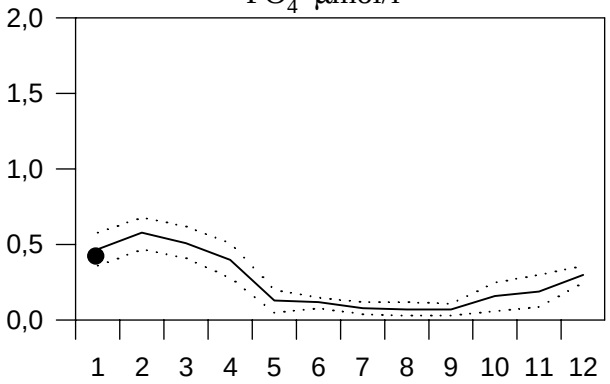
Temperature °C



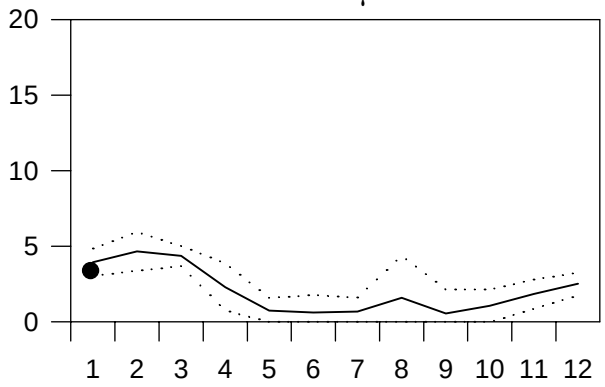
Salinity psu



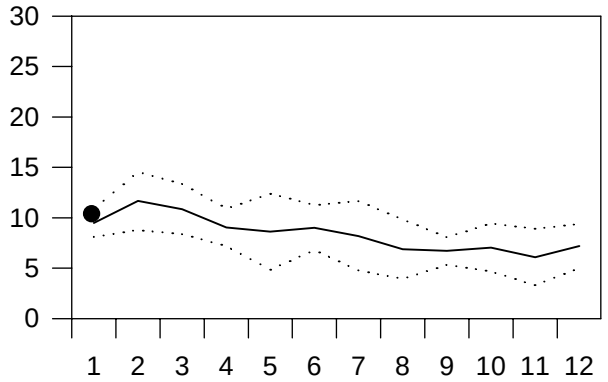
PO_4 µmol/l



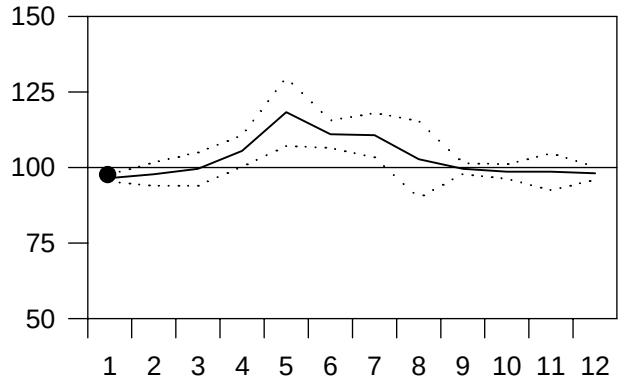
DIN µmol/l



SiO_3 µmol/l

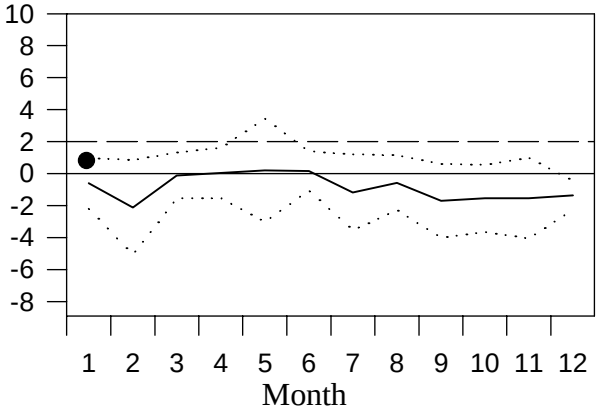


O_2 saturation %

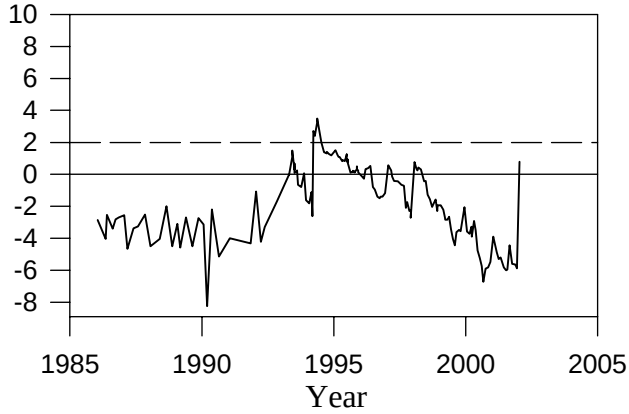


OXYGEN IN BOTTOM WATER

O_2 ml/l

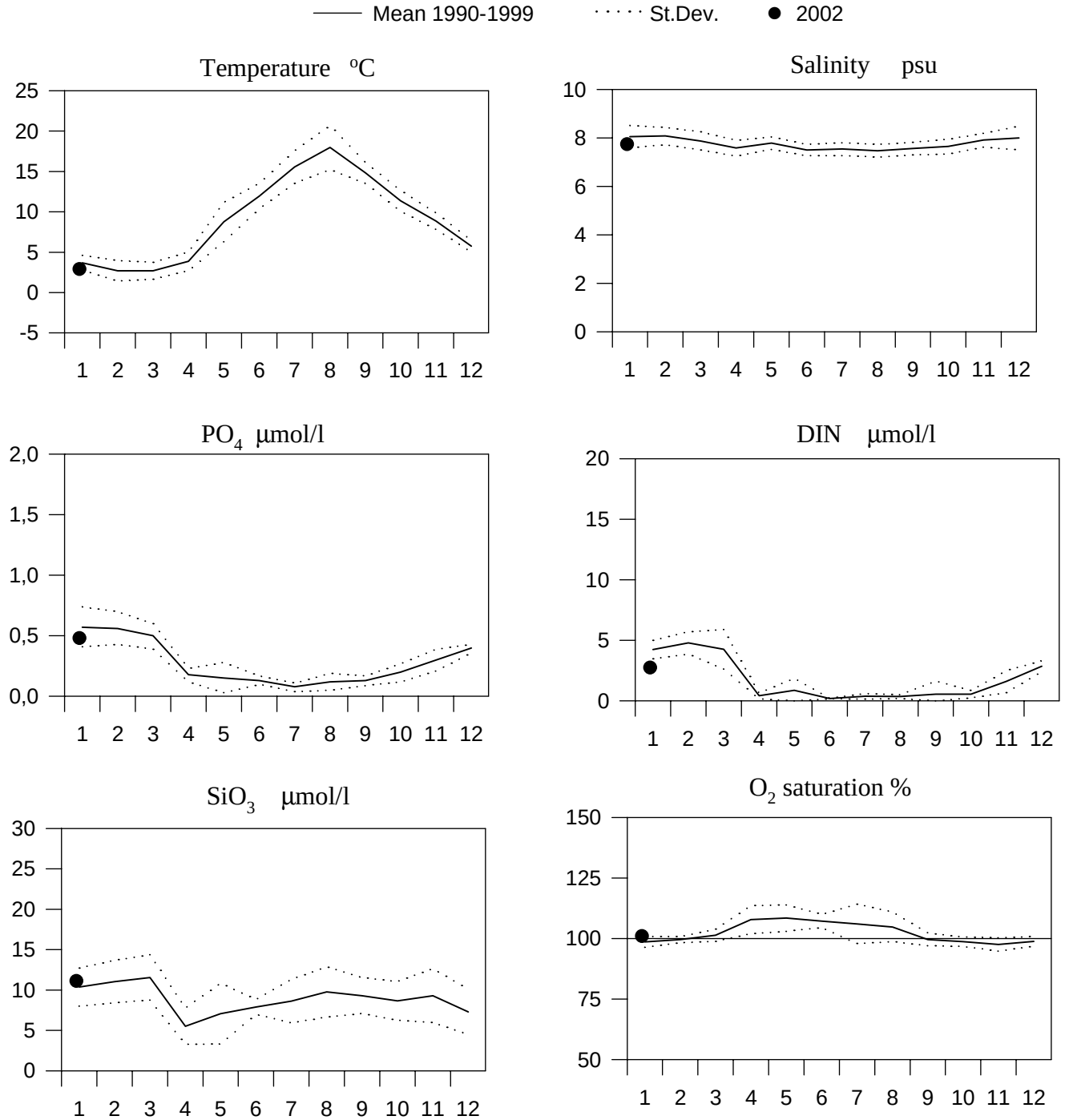


O_2 ml/l

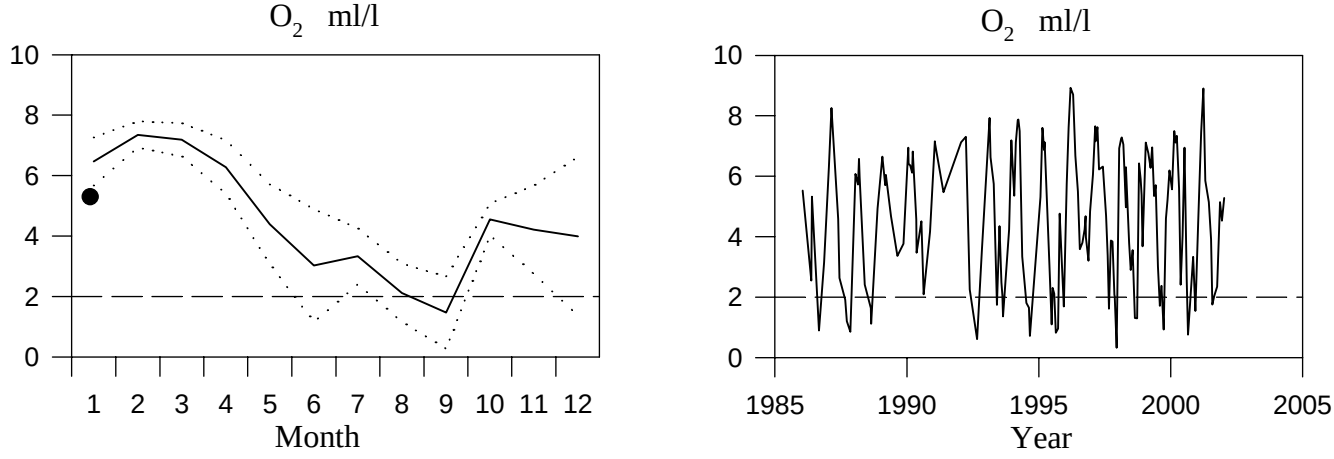


STATION BY2 SURFACE WATER

Annual Cycles



OXYGEN IN BOTTOM WATER

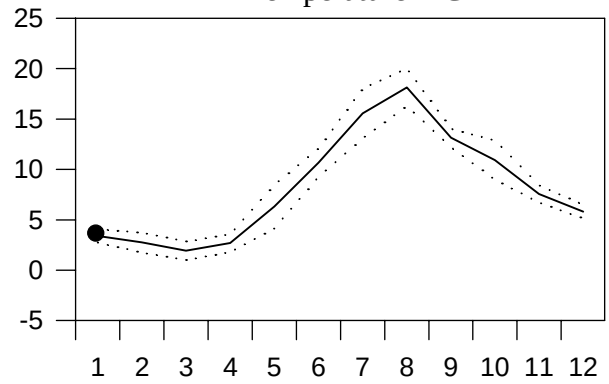


STATION BY20 SURFACE WATER

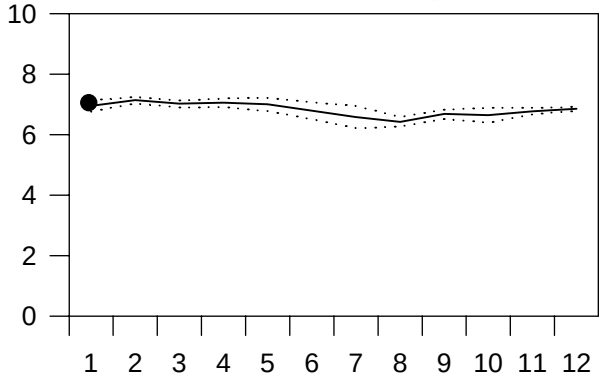
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

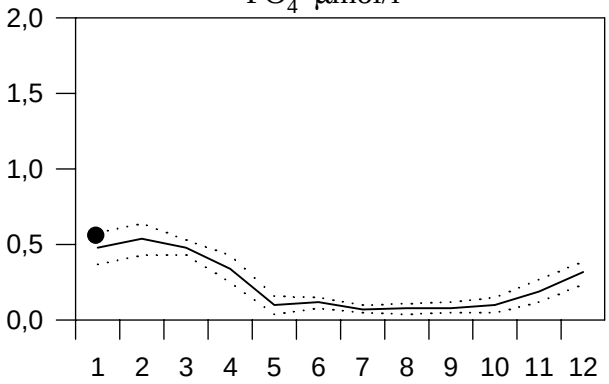
Temperature °C



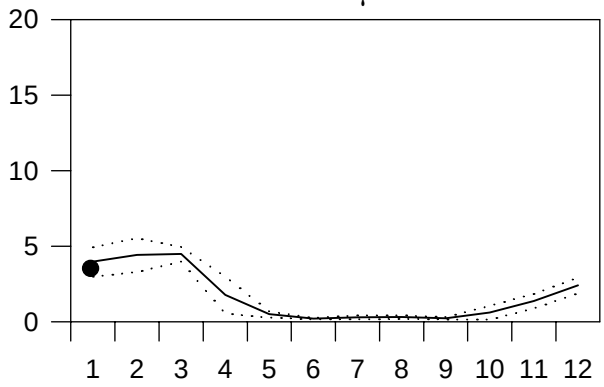
Salinity psu



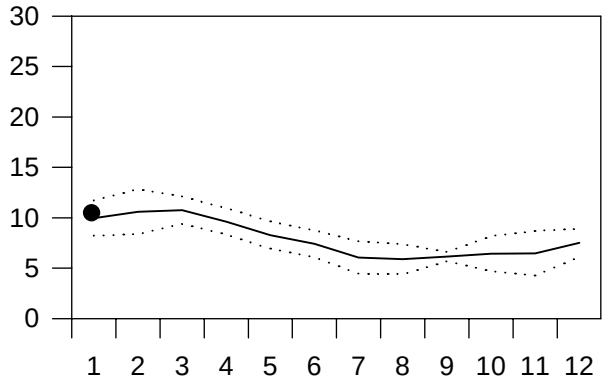
PO_4 µmol/l



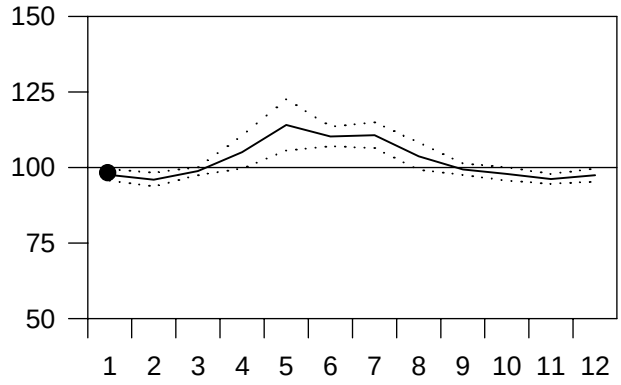
DIN µmol/l



SiO_3 µmol/l

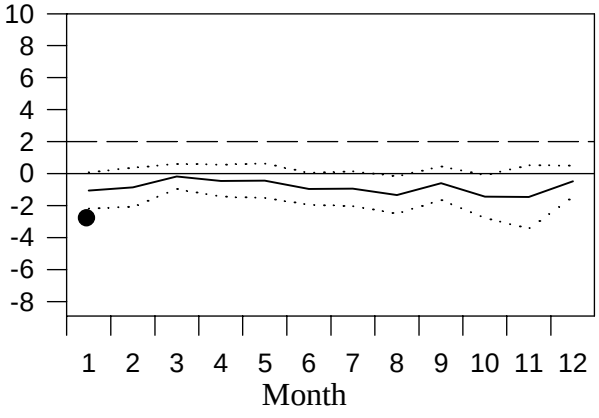


O_2 saturation %

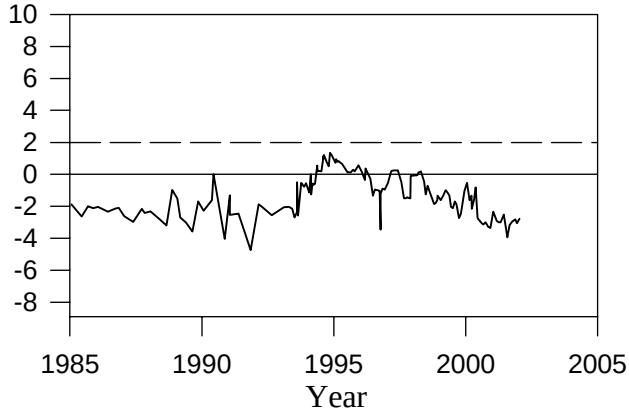


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

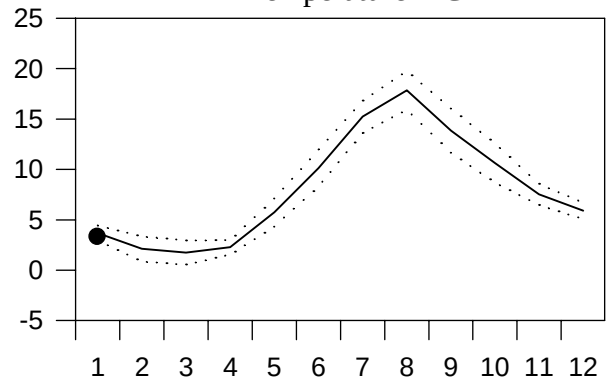


STATION BY29 SURFACE WATER

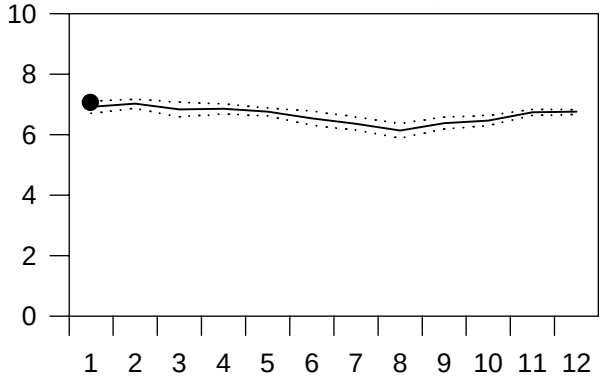
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

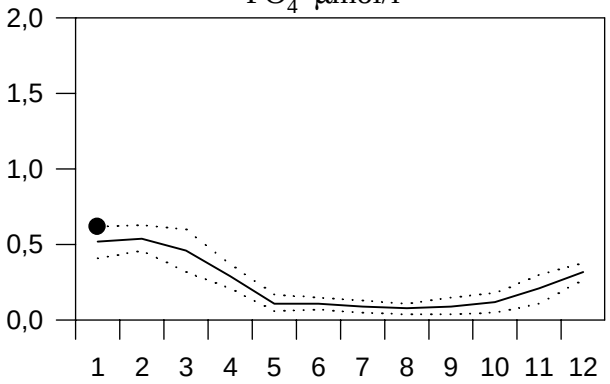
Temperature °C



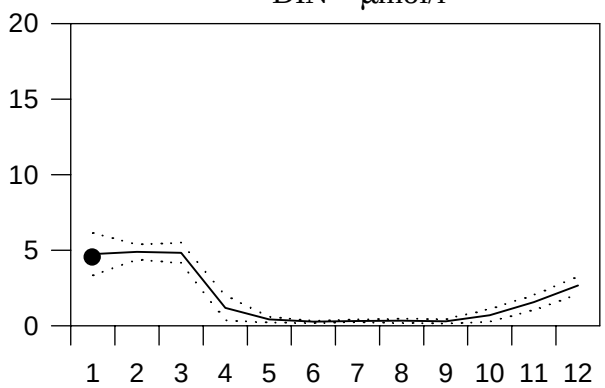
Salinity psu



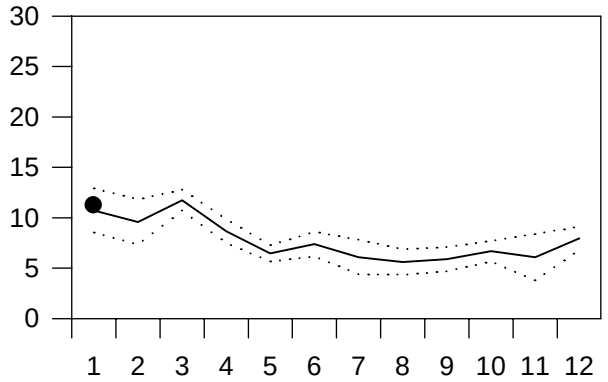
PO_4 µmol/l



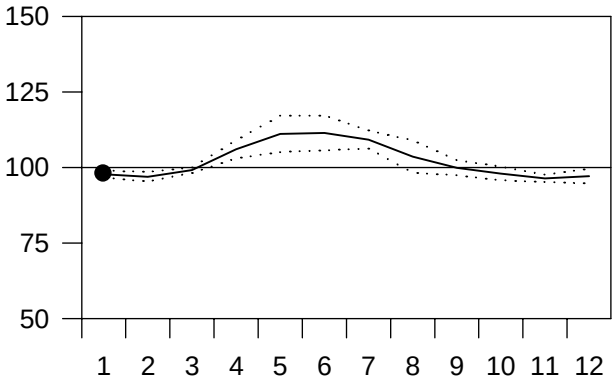
DIN µmol/l



SiO_3 µmol/l

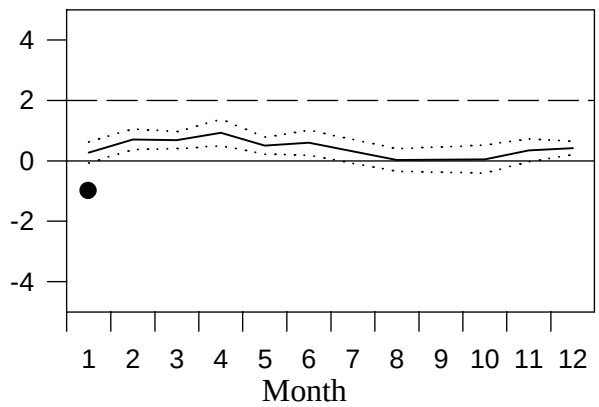


O_2 saturation %

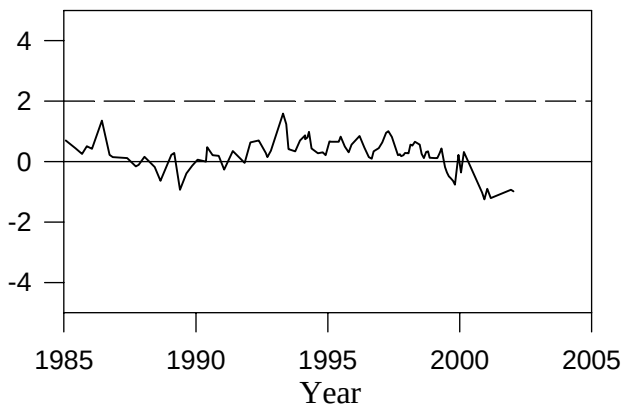


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

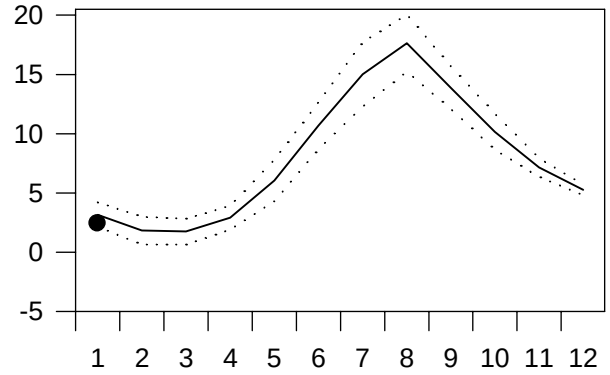


STATION BY31 SURFACE WATER

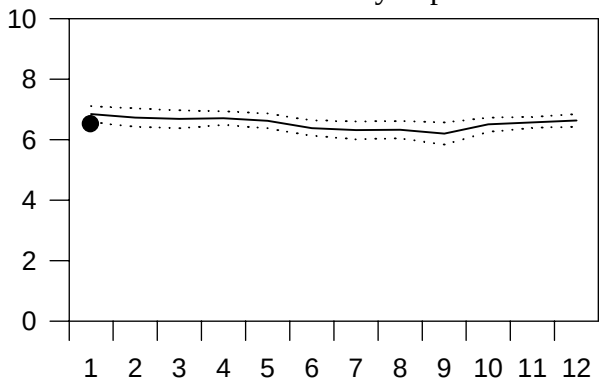
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

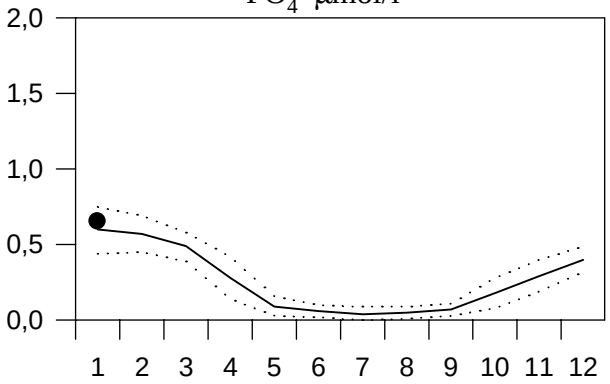
Temperature °C



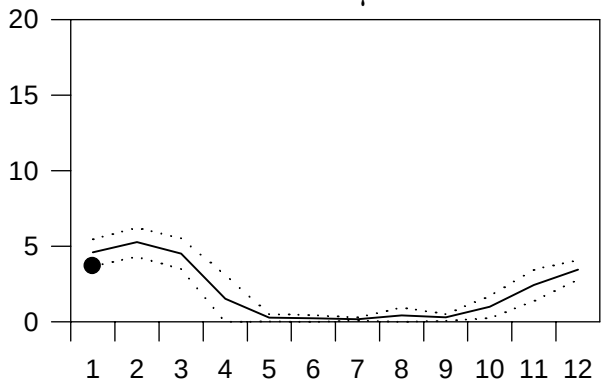
Salinity psu



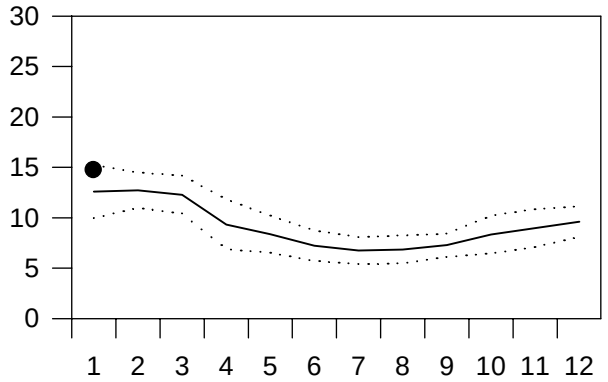
PO_4 µmol/l



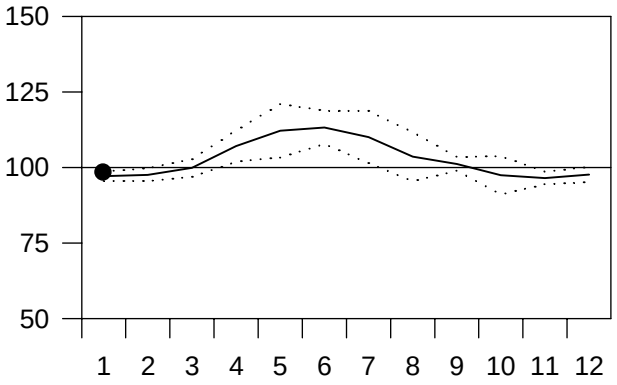
DIN µmol/l



SiO_3 µmol/l

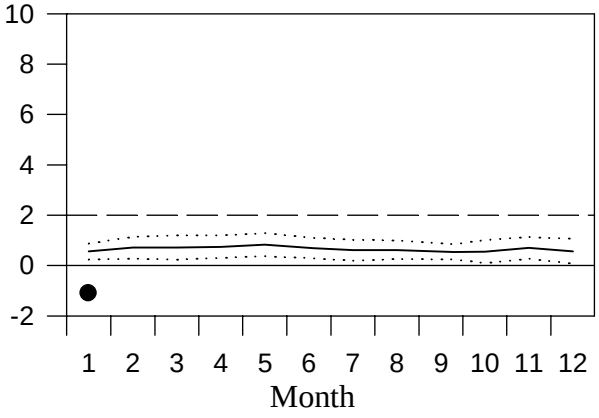


O_2 saturation %

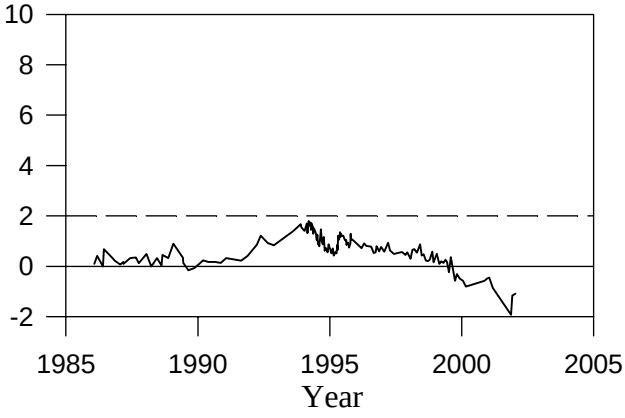


OXYGEN IN BOTTOM WATER

O_2 ml/l



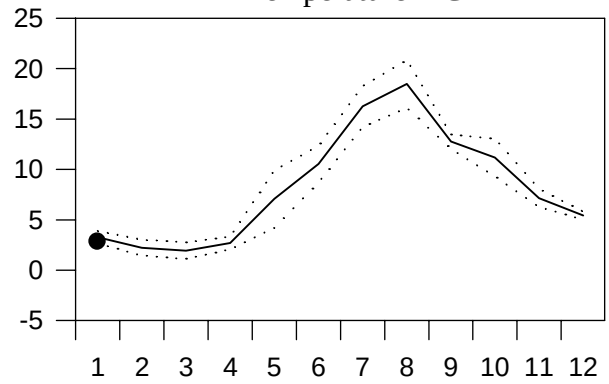
O_2 ml/l



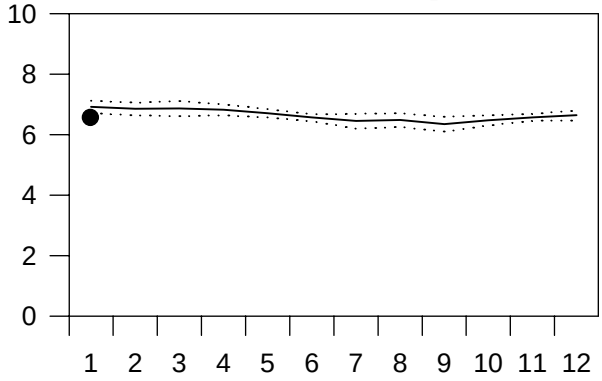
STATION BY32 SURFACE WATER

Annual Cycles

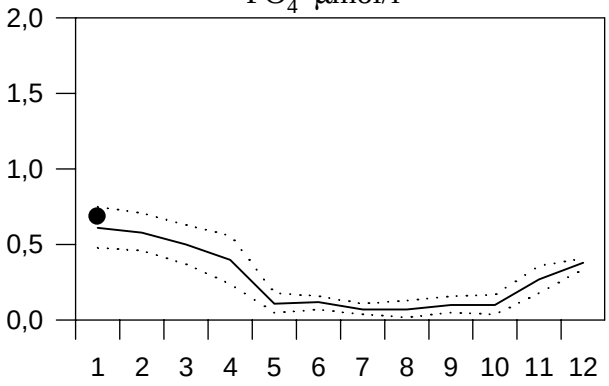
Temperature °C



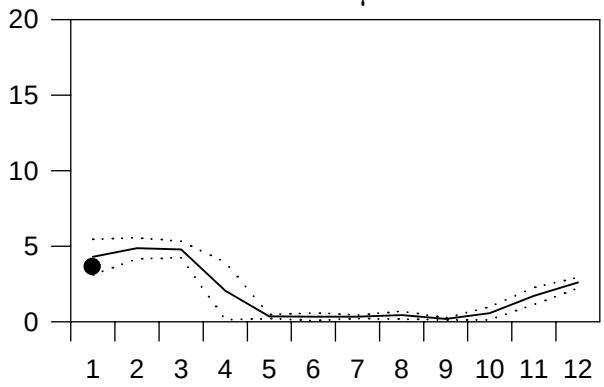
Salinity psu



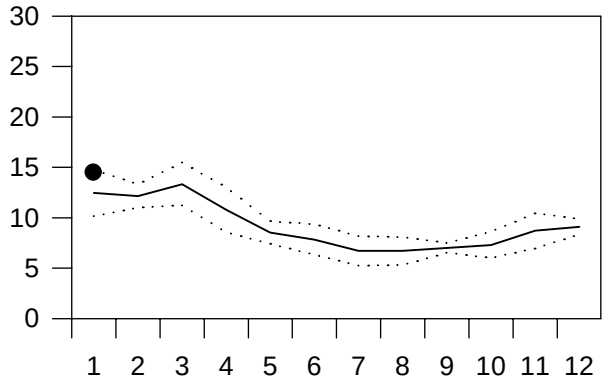
PO_4 µmol/l



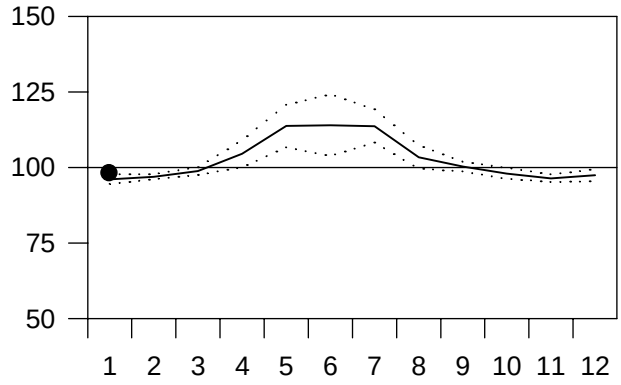
DIN µmol/l



SiO_3 µmol/l

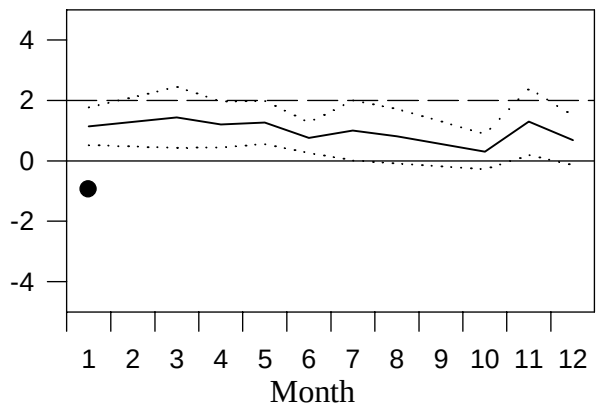


O_2 saturation %

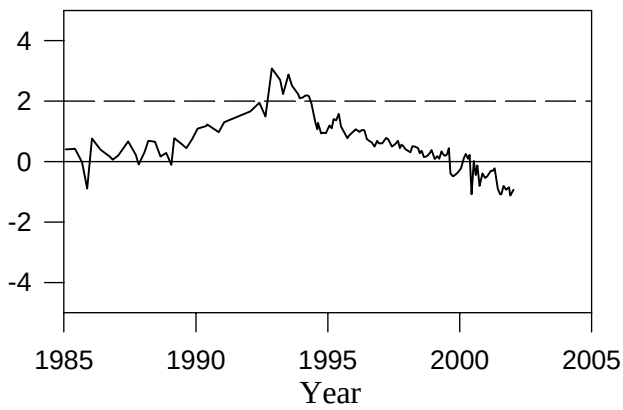


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

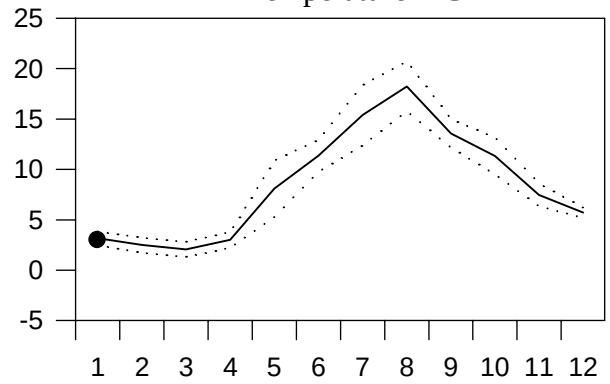


STATION BY38 SURFACE WATER

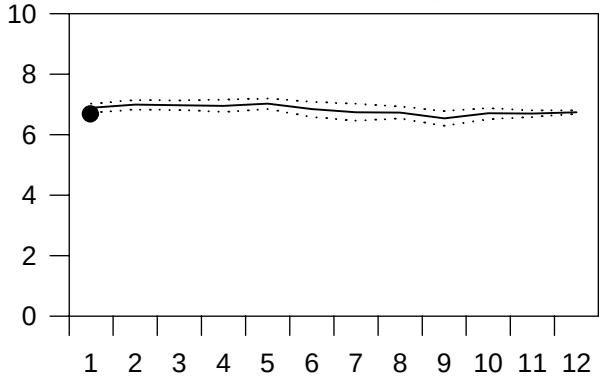
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

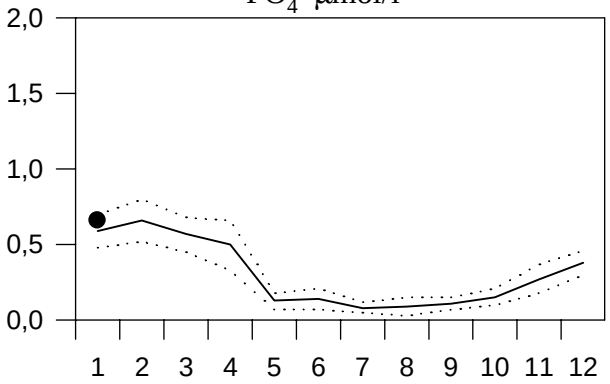
Temperature °C



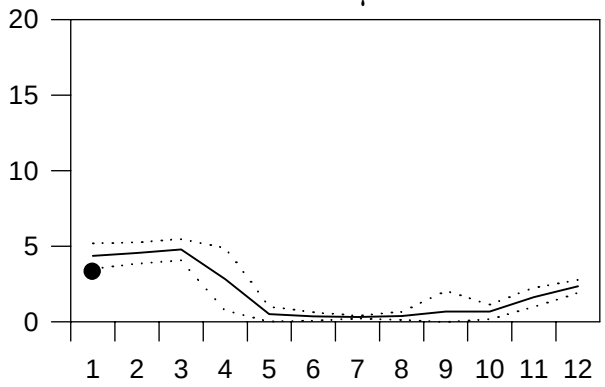
Salinity psu



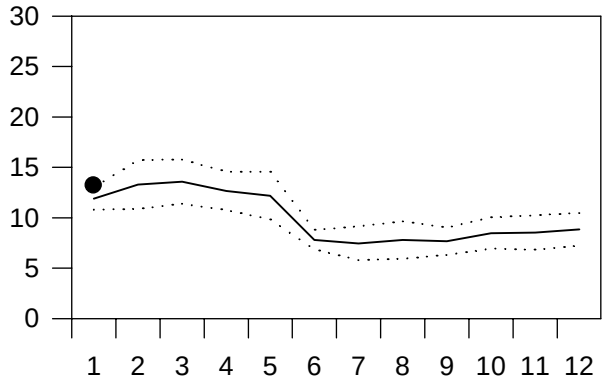
PO_4 µmol/l



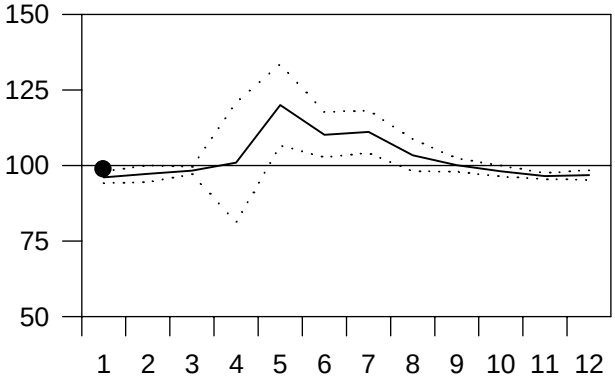
DIN µmol/l



SiO_3 µmol/l

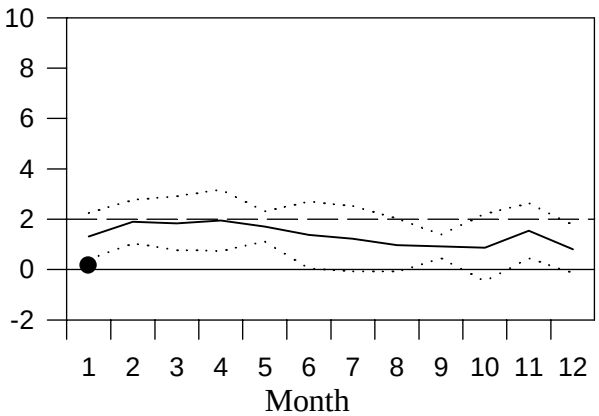


O_2 saturation %

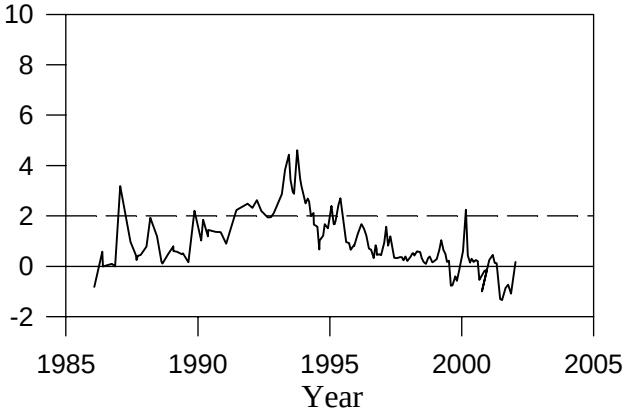


OXYGEN IN BOTTOM WATER

O_2 ml/l

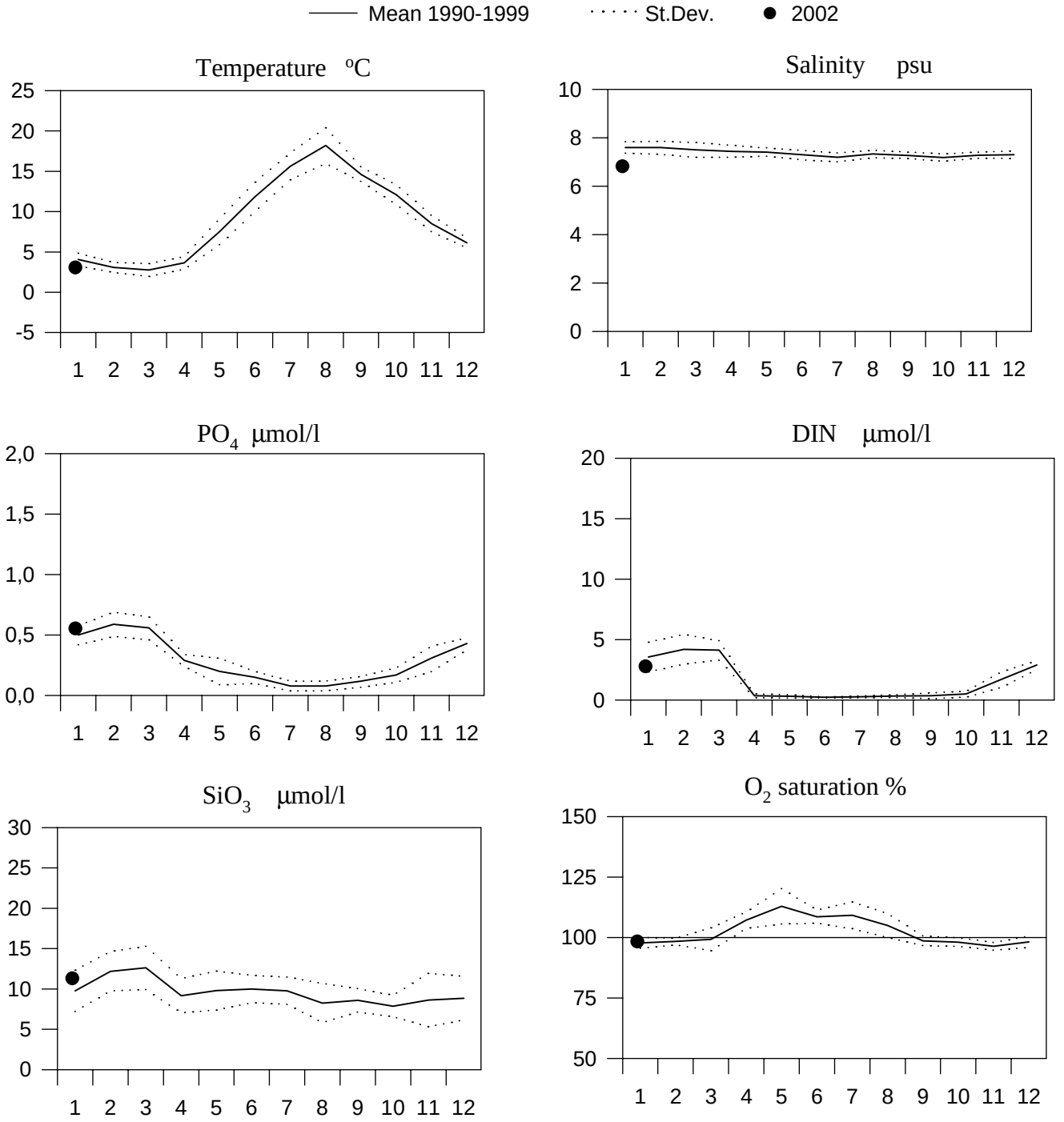


O_2 ml/l

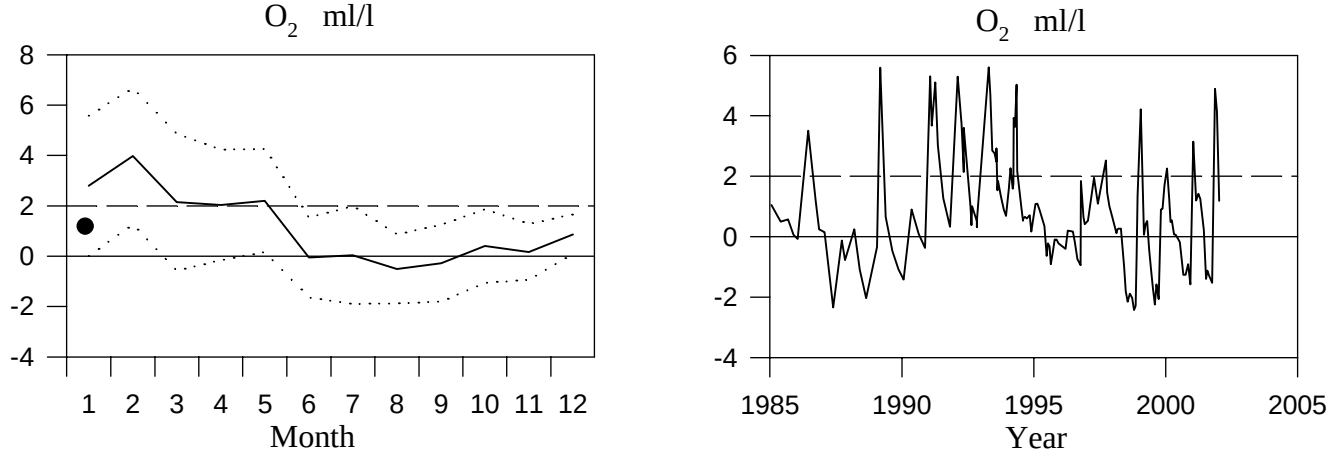


STATION BY4 SURFACE WATER

Annual Cycles



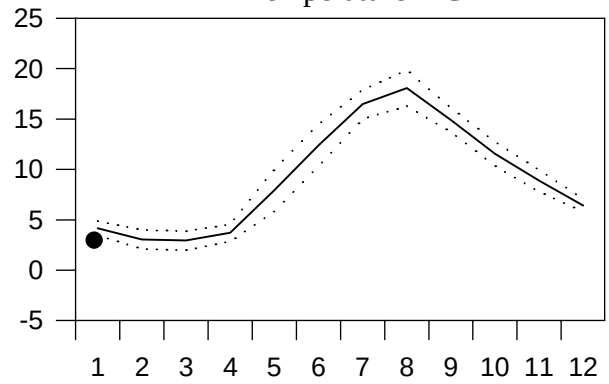
OXYGEN IN BOTTOM WATER



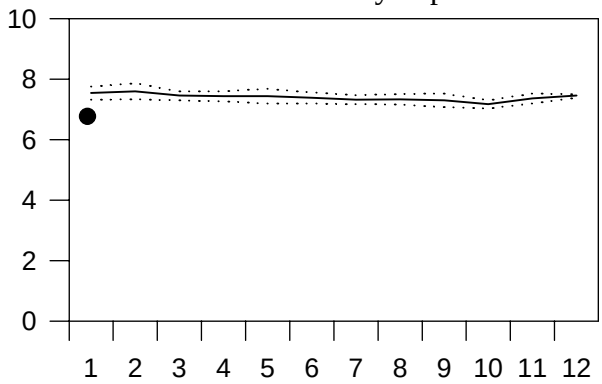
STATION BY5 SURFACE WATER

Annual Cycles

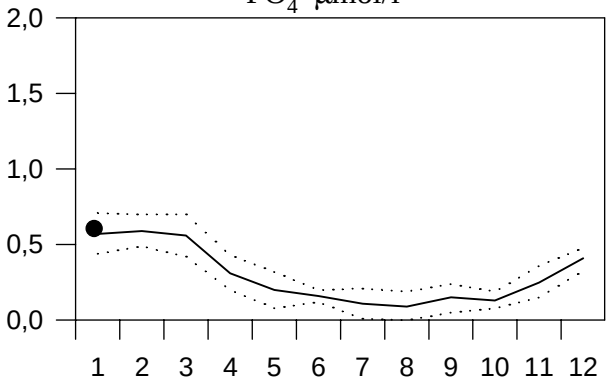
Temperature °C



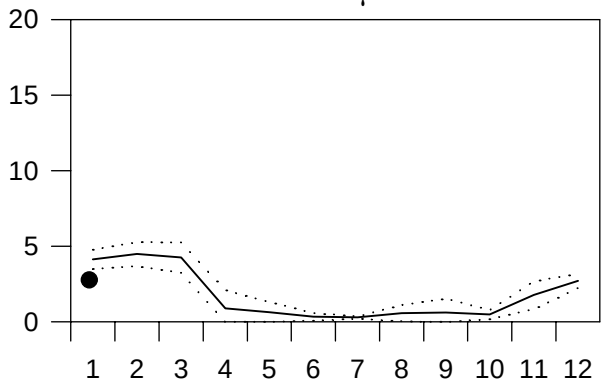
Salinity psu



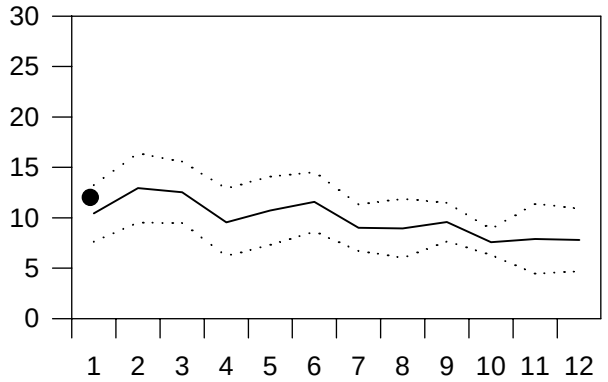
PO_4 µmol/l



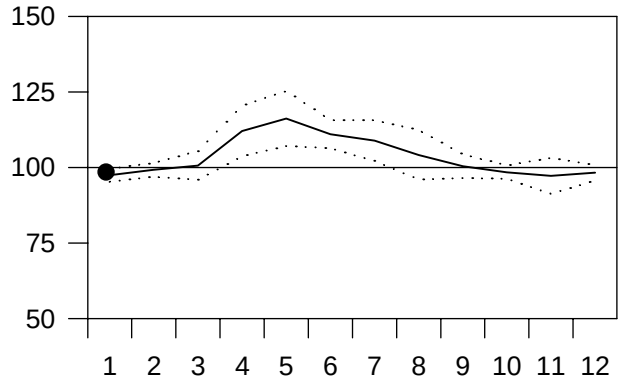
DIN µmol/l



SiO_3 µmol/l

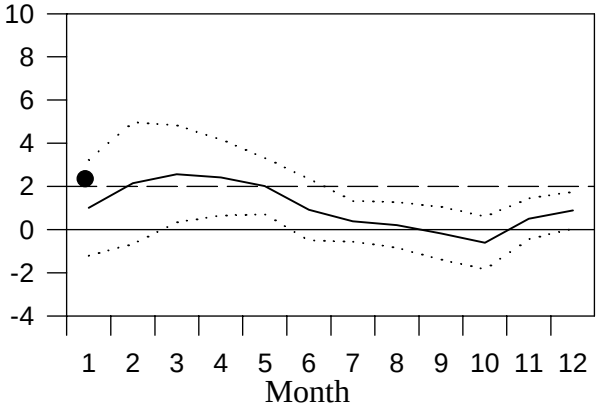


O_2 saturation %

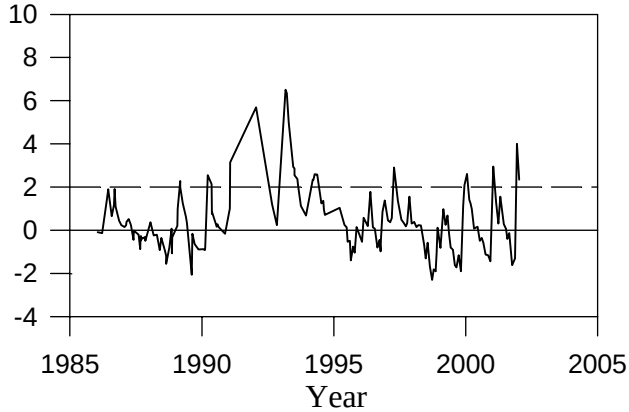


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

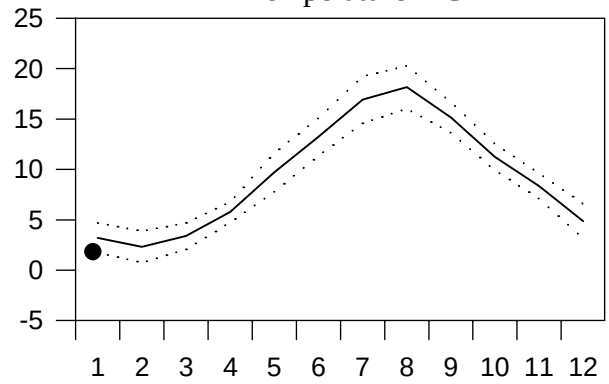


STATION FLADEN SURFACE WATER

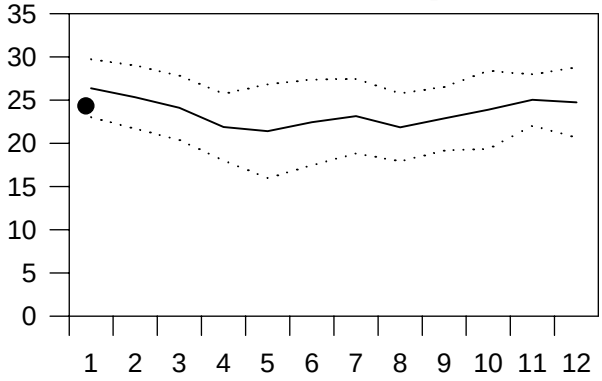
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

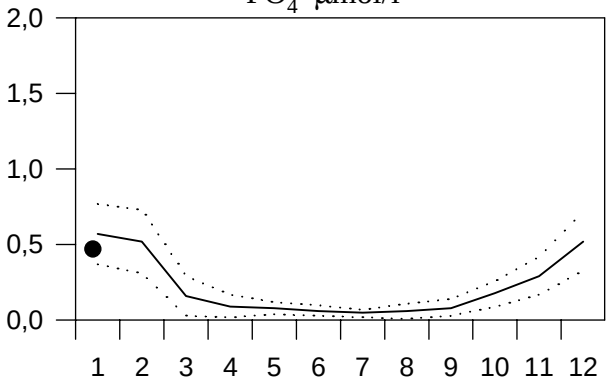
Temperature °C



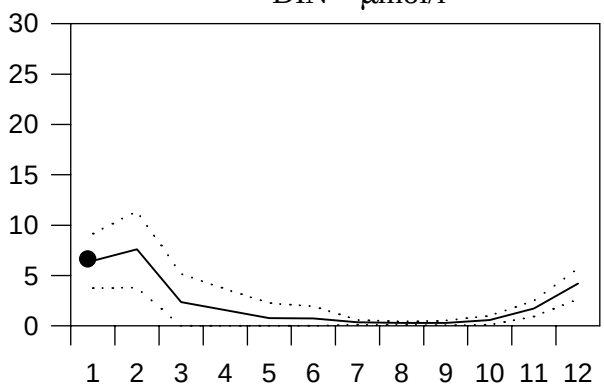
Salinity psu



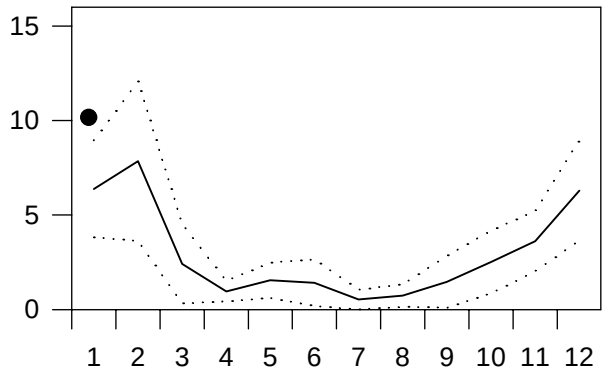
PO_4 µmol/l



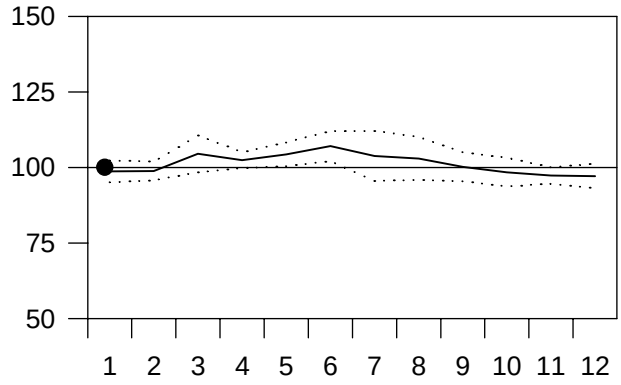
DIN µmol/l



SiO_3 µmol/l

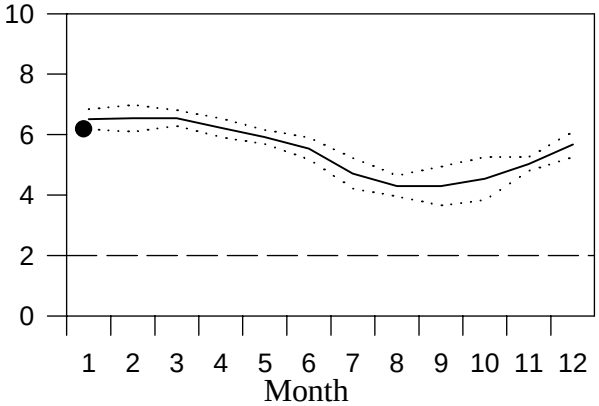


O_2 saturation %

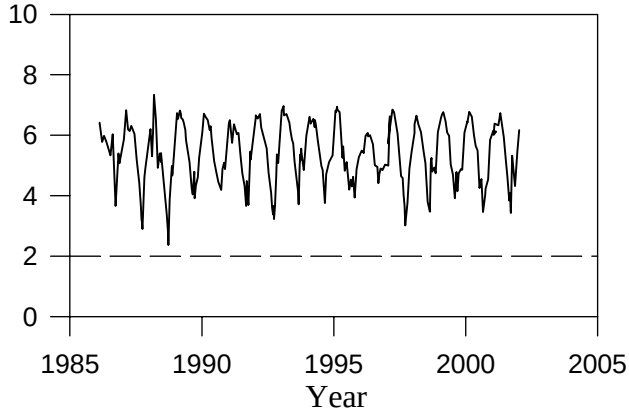


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

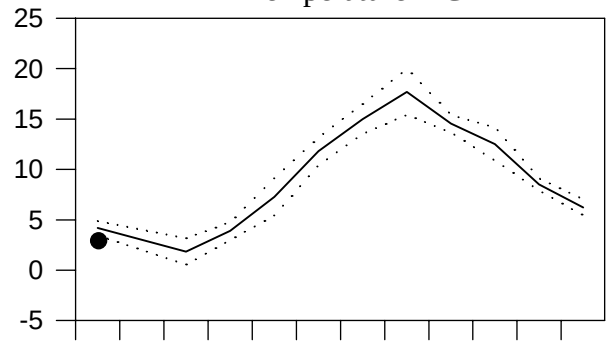


STATION HANOBUKTEN SURFACE WATER

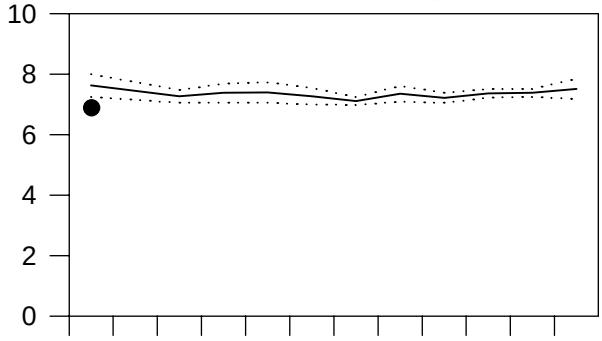
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

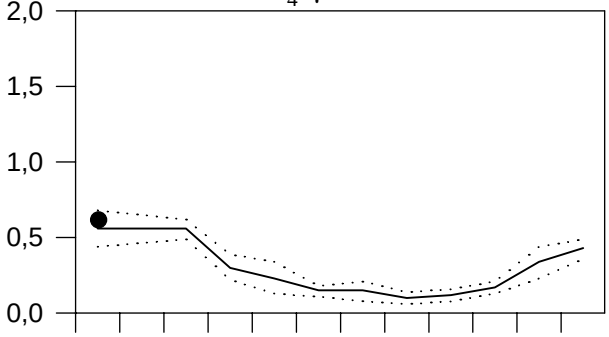
Temperature °C



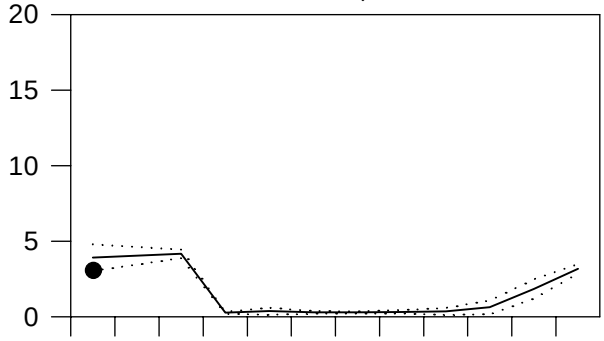
Salinity psu



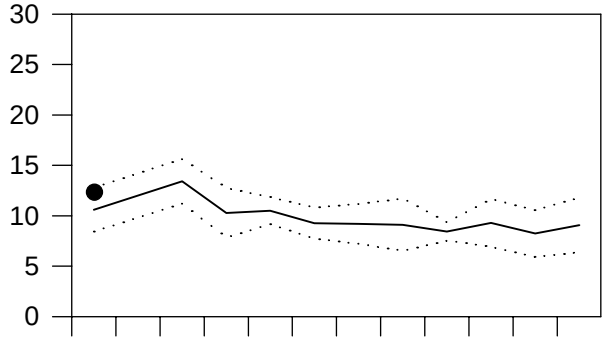
PO_4 µmol/l



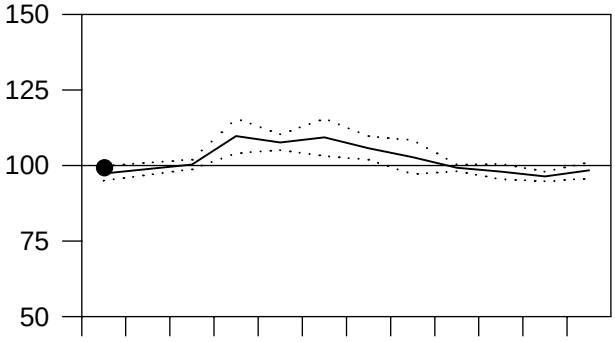
DIN µmol/l



SiO_3 µmol/l

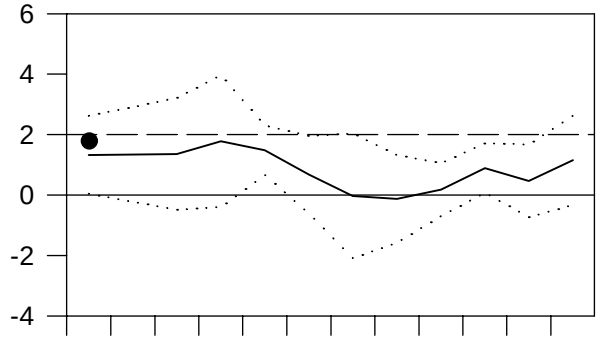


O_2 saturation %



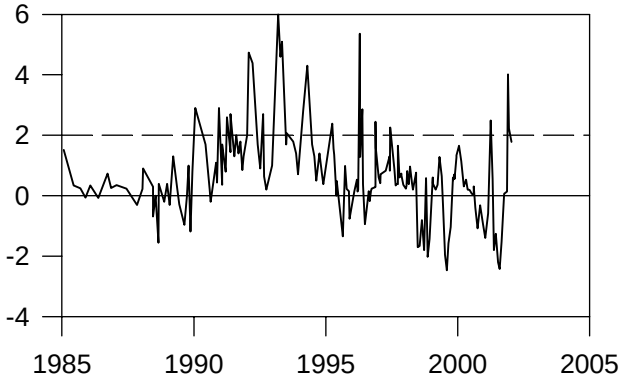
OXYGEN IN BOTTOM WATER

O_2 ml/l



Month

O_2 ml/l

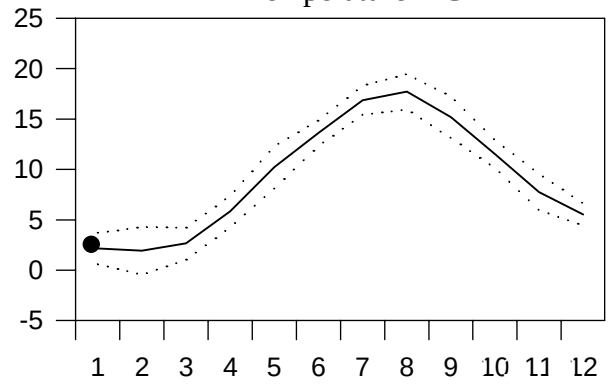


Year

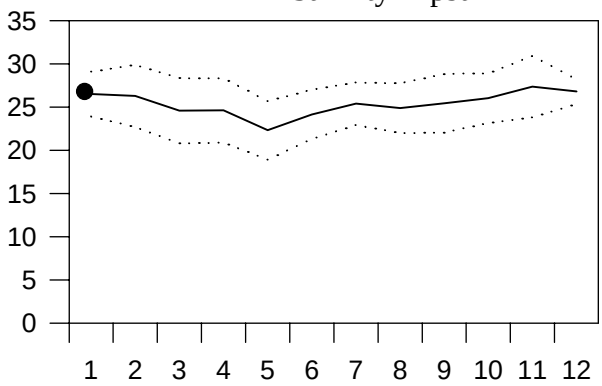
STATION SLAGGO SURFACE WATER

Annual Cycles

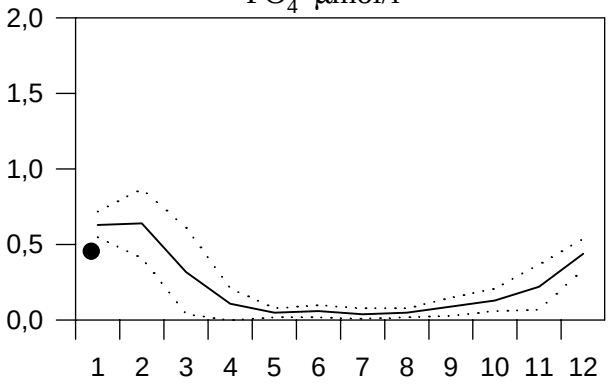
Temperature °C



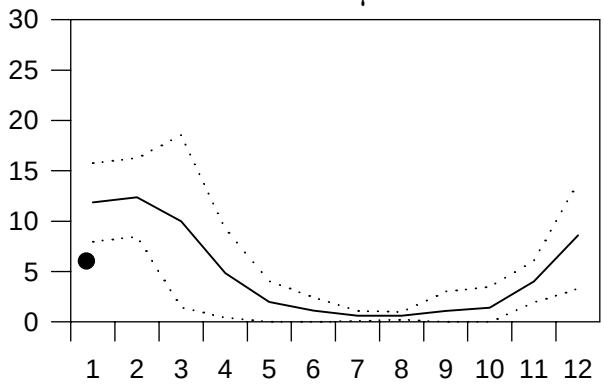
Salinity psu



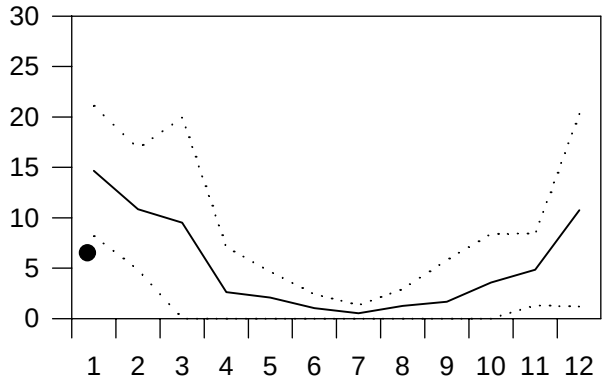
PO_4 µmol/l



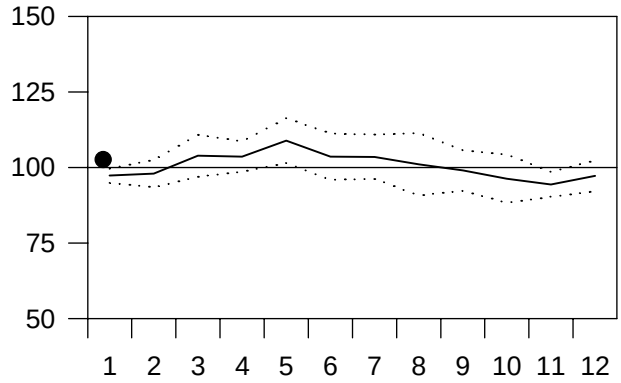
DIN µmol/l



SiO_3 µmol/l

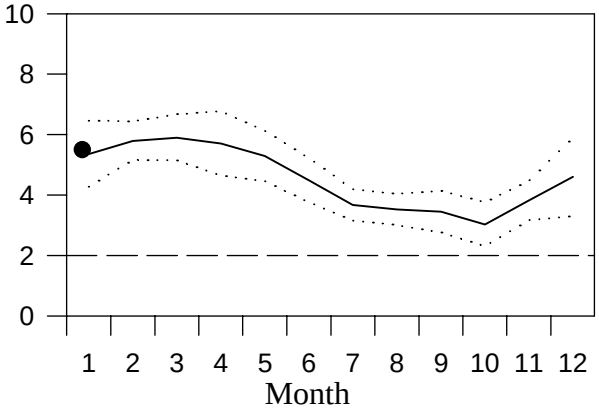


O_2 saturation %

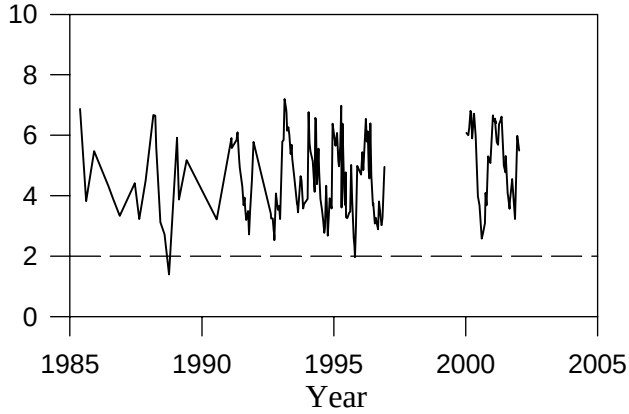


OXYGEN IN BOTTOM WATER

O_2 ml/l



O_2 ml/l

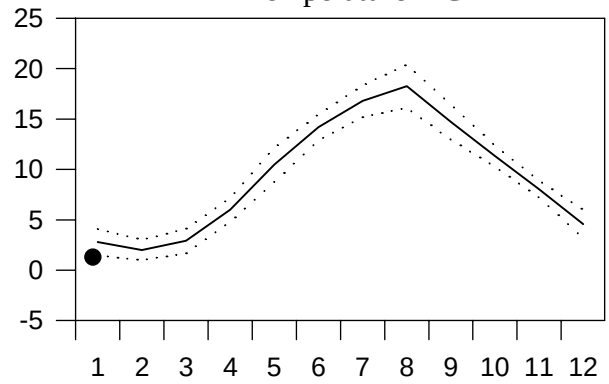


STATION W LANDSKRONA SURFACE WATER

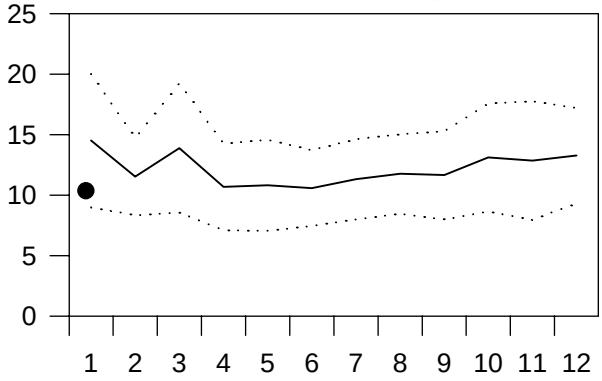
Annual Cycles

Mean 1990-1999 ····· St.Dev. ● 2002

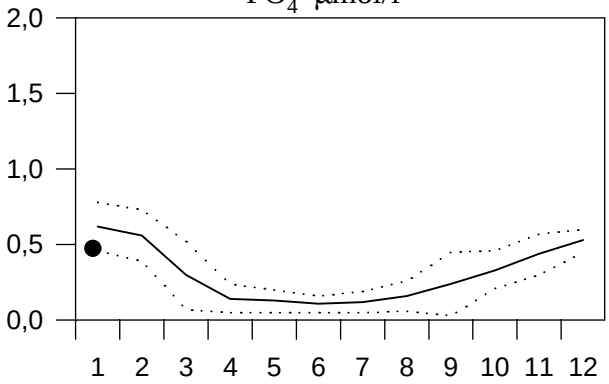
Temperature °C



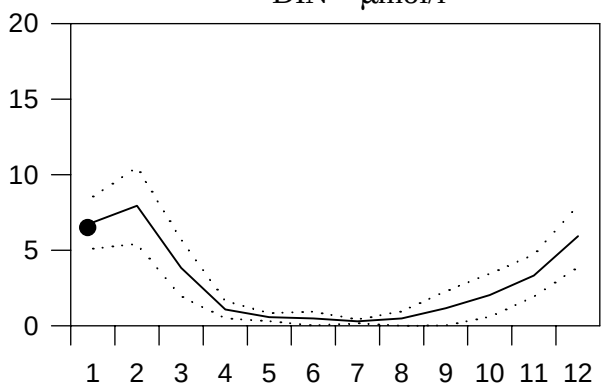
Salinity psu



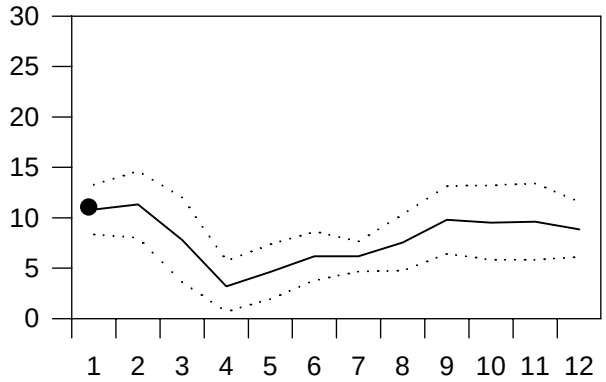
PO_4 µmol/l



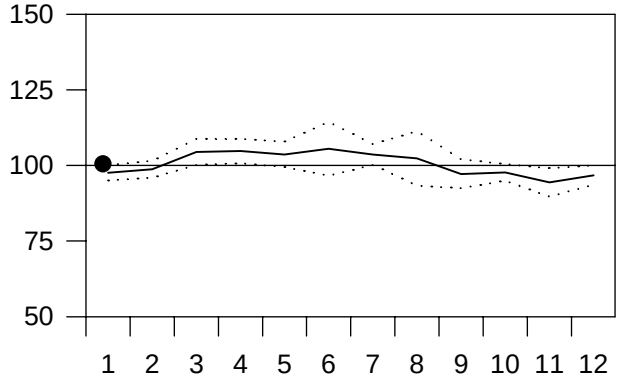
DIN µmol/l



SiO_3 µmol/l

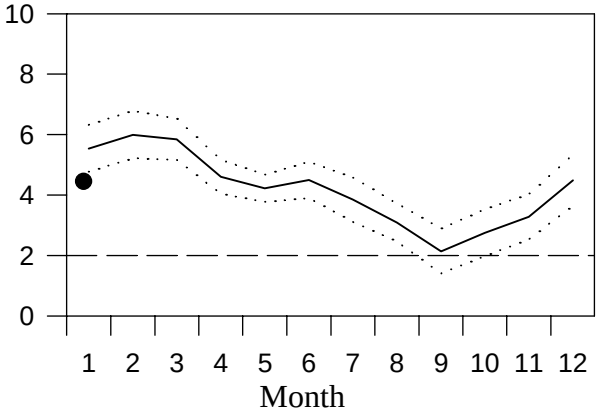


O_2 saturation %

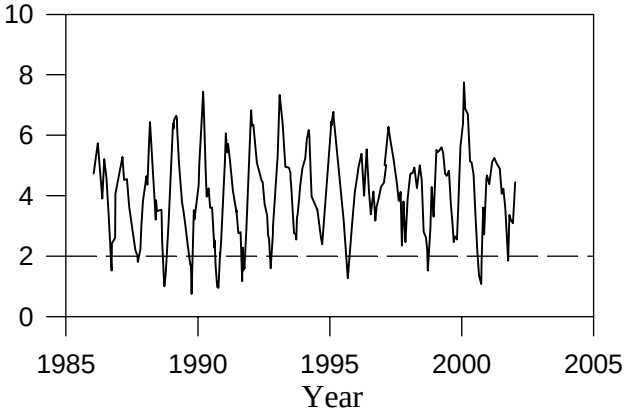


OXYGEN IN BOTTOM WATER

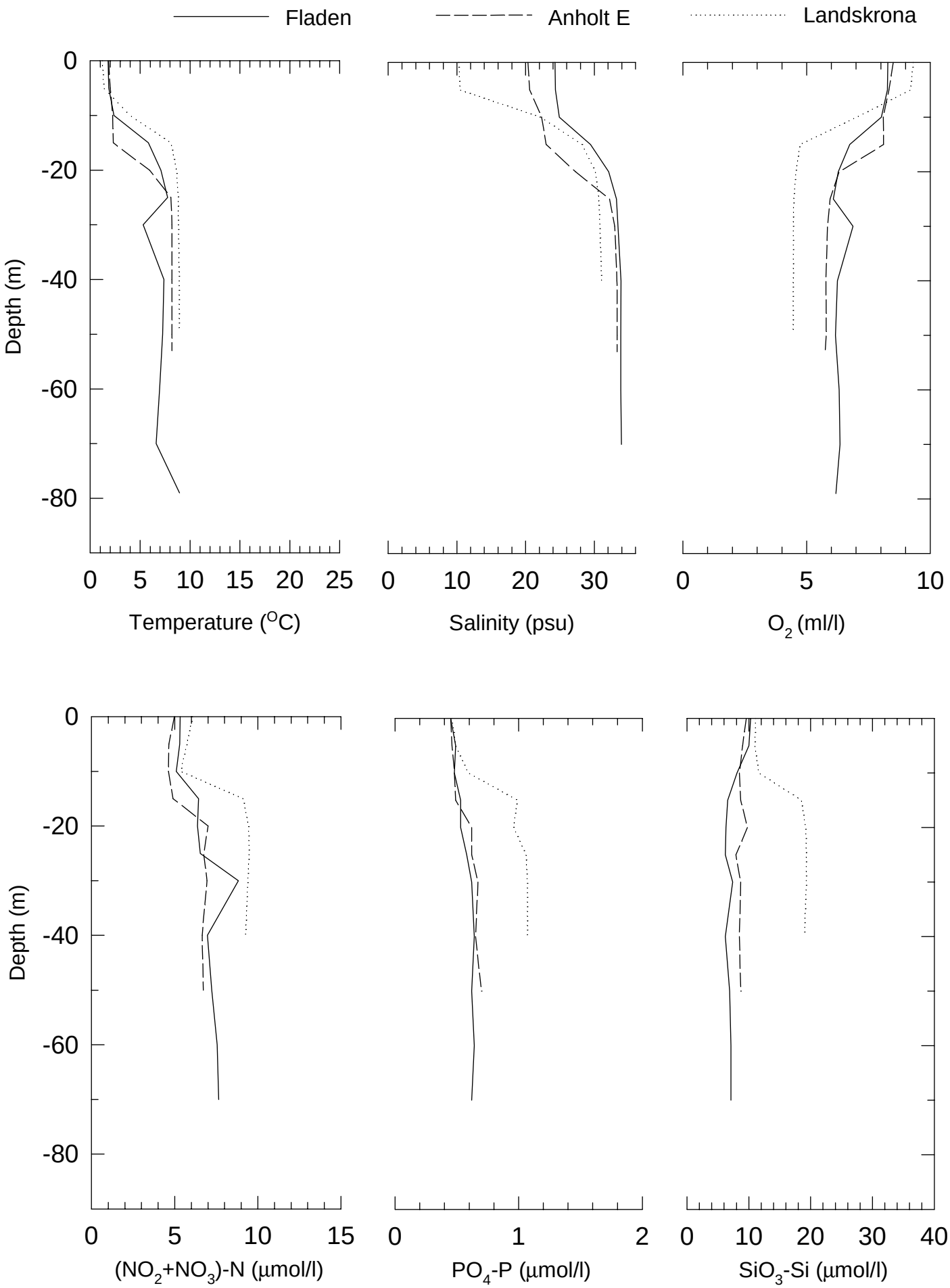
O_2 ml/l



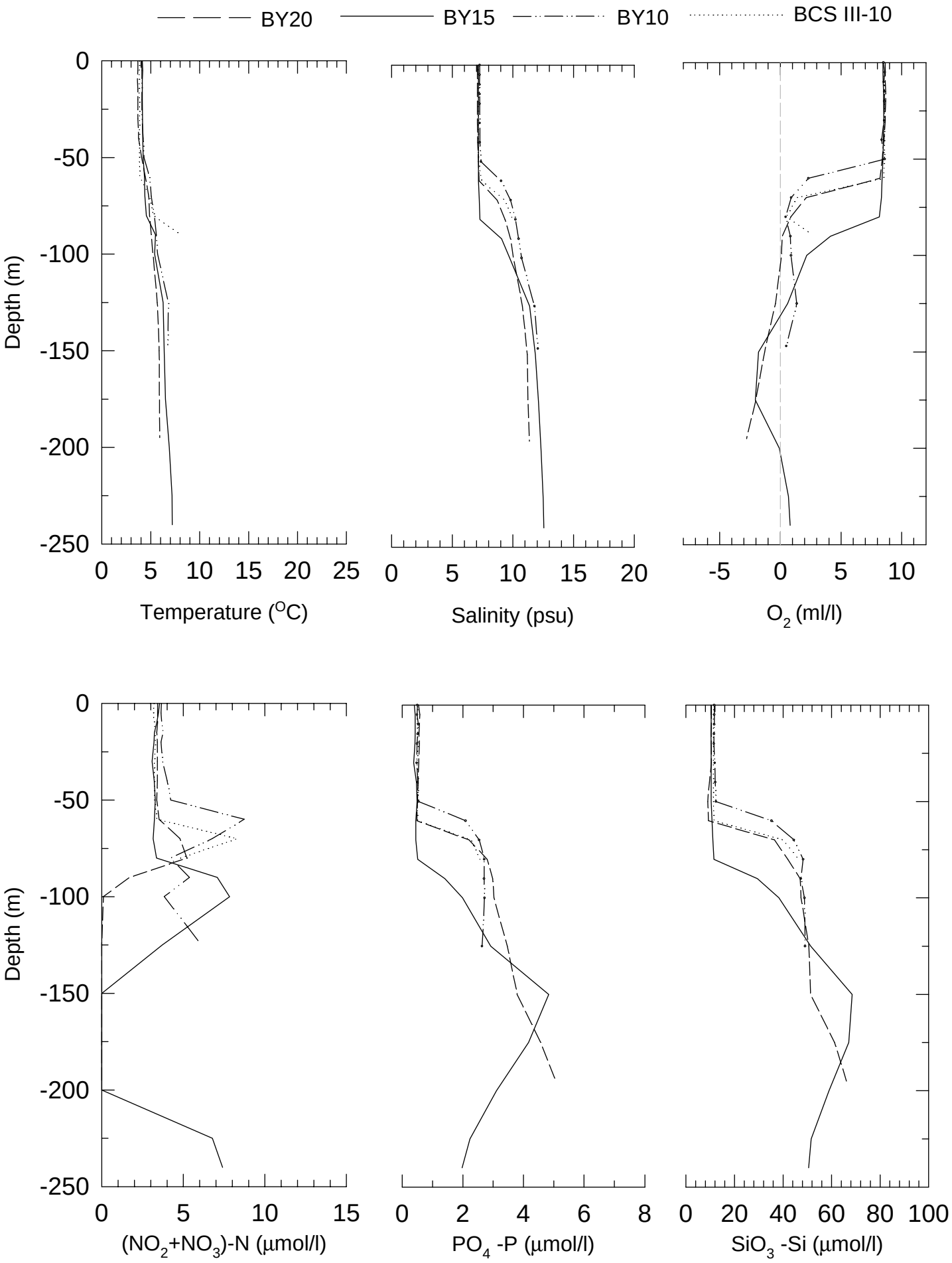
O_2 ml/l



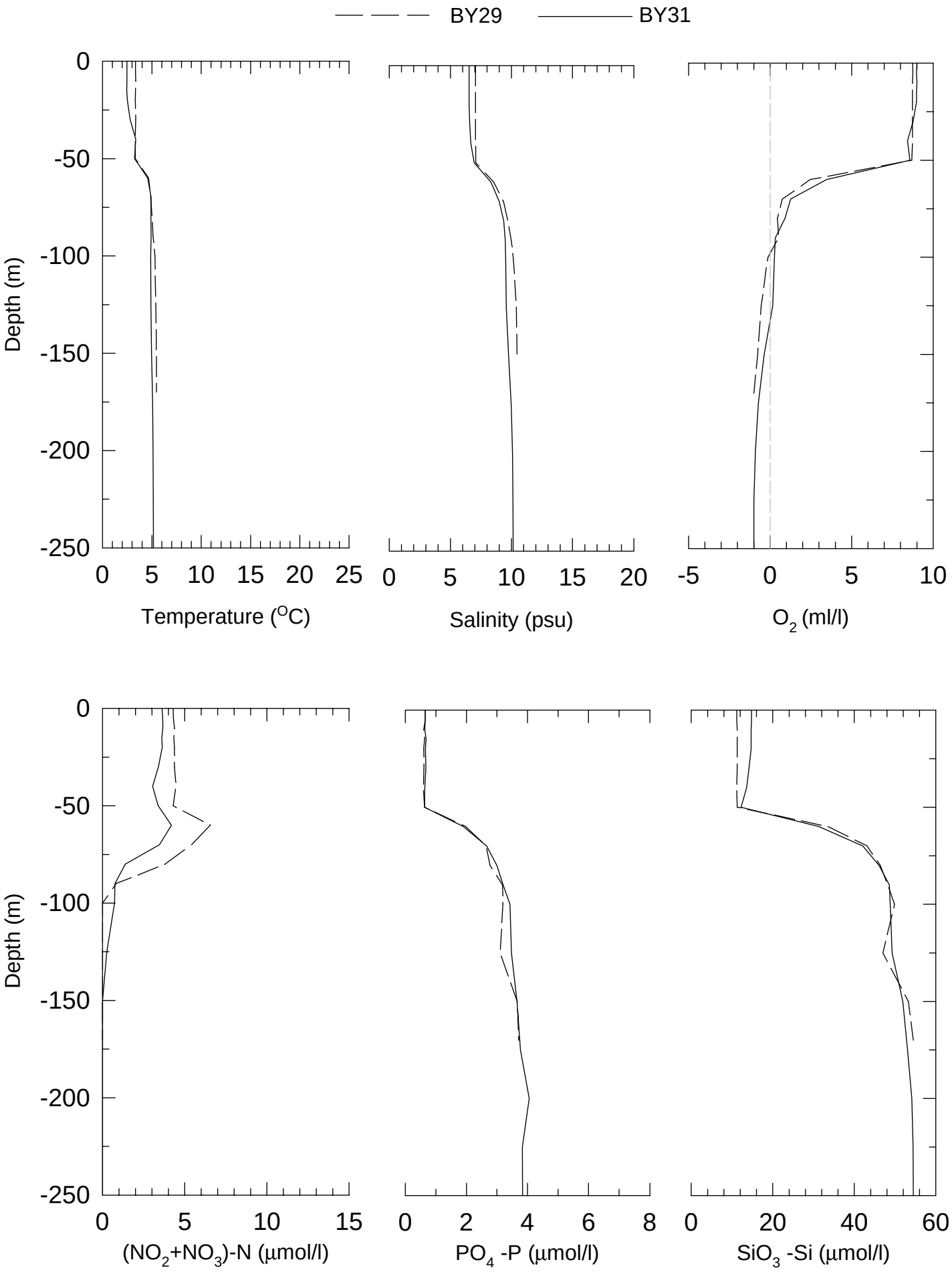
KATTEGAT and THE SOUND 020112-020112

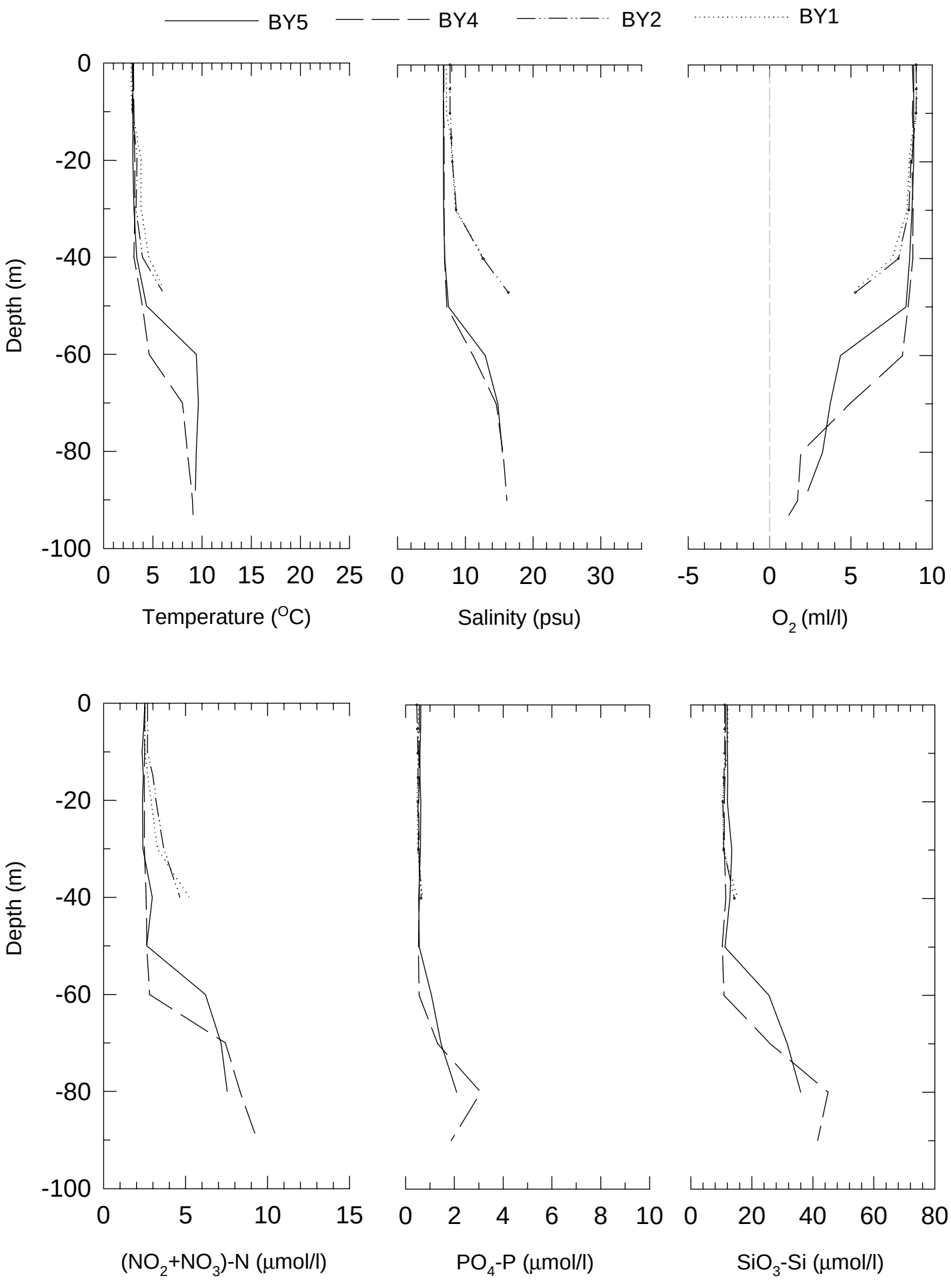


EAST BALTIC 020114-020114



NORTH BALTIC 020115, 020115




SOUTH BALTIC 020113-020113
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 020115-020115