

Report from SMHI's marine monitoring cruise with R/V Svea – December 2025



Foto: Lena Viktorsson, SMHI

- Survey period:** 2025-12-04 to 2025-12-16
- Principals:** Swedish Meteorological and Hydrological Institute (SMHI),
Swedish Agency for Marine and Water Management (SwAM)
- Cooperation partners:** Swedish University of Agricultural Sciences (SLU),
Swedish Maritime Administration,
Umeå Marine Research Center (UMF)

SUMMARY

During the cruise, which is part of the Swedish pelagic monitoring programme, the Skagerrak, Kattegat, the Sound, the Baltic Proper and the Gulf of Bothnia were visited. In the Gulf of Bothnia, SMHI and the Umeå Marine Research Center (UMF) carried out a joint survey of, among other things, nutrients.

The cooling of surface waters continued in December, but surface water temperatures were above normal at the vast majority of stations in all sea areas. Surface water temperatures were 8–9°C in the North Sea area, 7–8°C in the Baltic Proper, and 5–6°C in the Gulf of Bothnia.

Nutrient concentrations in surface waters had increased in both the Kattegat and the Baltic Proper since October. Concentrations of dissolved inorganic nitrogen were normal, while phosphate concentrations were above normal at some stations in the Baltic Proper. Concentrations of silicate were above normal throughout the Baltic Proper.

In the Gulf of Bothnia, a north–south gradient in nutrient concentrations was observed. Silicate and dissolved inorganic nitrogen decreased southward, while phosphate concentrations increased. Silicate concentrations were above normal throughout the area, except at a couple of stations in the Quark. Phosphate concentrations were above normal at all but three stations in the southern parts of the Bothnian Sea, where they were normal. Dissolved inorganic nitrogen concentrations were below normal in the Bothnian Bay.

Bottom water oxygen concentrations were normal in the Skagerrak, Kattegat (5–6 ml/l) and The Sound (4 ml/l). In the Arkona Basin, bottom water oxygen conditions were good at one of two stations, while the other showed oxygen deficiency. In the Bornholm Basin and the southern parts of the Eastern Gotland Basin, acute oxygen deficiency prevails, with oxygen concentrations close to zero. In the remainder of the Baltic Proper, conditions are completely anoxic below 80–90 m depth, with very high concentrations of hydrogen sulphide in the bottom waters.

The next expedition with R/V *Svea* is planned to start on 7 January in Gothenburg, when a nutrient survey of the Kattegat will also be conducted.

EXPEDITION OVERVIEW

The expedition was carried out aboard the research vessel R/V Svea between 4 and 16 December, starting in Kalmar and ended in Gothenburg with a change of staff in Gävle between the first leg covering the Gulf of Bothnia and the second leg covering the Baltic Proper, the Sound, the Kattegat and the Skagerrak. Weather conditions varied during the expedition. During the first part in the Gulf of Bothnia, the weather was mostly calm but cloudy. During the final day before the crew change in Gävle, a low-pressure system moved over the central Baltic Proper with strong winds, but it had passed before Svea arrived. Wind speeds in the Baltic Proper then remained around 8 m/s. Upon entering the Kattegat, wind speeds increased to a moderate breeze and remained so until the end of the expedition.

Profiles of salinity, temperature, oxygen and fluorescence in the water column were measured using a CTD mounted on a rosette with capacity for 24 water samplers. SMHI staff carried out CTD, water and plankton net sampling as well as certain analyses, while staff from the Umeå Marine Research Centre (UMF) performed all analyses of nutrients and biological parameters. All nutrient samples from the Gulf of Bothnia were analysed by UMF, while the other parameters presented here were analysed by SMHI. In the Baltic Proper and the North Sea area, SMHI sampled and analysed all parameters.

In the Gulf of Bothnia, in addition to the survey stations, stations included in UMF's monthly monitoring programme were also visited: GAVIK-1, B1 and C3. Station C3 replaced the survey stations US2/Ulvödjupet and US3/C6. Four of the regular survey stations are also part of UMF's monthly monitoring (SR3/C24, MS4/C14, F9/A13 and F3/A5). Two survey stations in the eastern part of the Bothnian Sea were omitted due to time constraints (US7 and SR8). At Falkens Grund in the Bothnian Bay, an ADCP was deployed to measure ice conditions during the winter season 2025/26. These measurements follow successful measurements conducted at the same location the previous winter. SMHI's research department and researchers from the University of Gothenburg are involved in this work. In the Northern Quark, ten stations were also visited within a project investigating the N/P ratio and nutrient import/export across the Quark. Additional SMHI staff participated in the Gulf of Bothnia to intercalibrate the primary production methodology between SMHI and UMF. As productivity in the Gulf of Bothnia is very low in December, cultured algal samples were used for the comparison. UMF also brought its spectrophotometric pH instrument (HydroFIA), normally installed in the FerryBox on the vessel KBV181. With assistance from SMHI staff, several issues with the instrument were identified and resolved, and a comparison between SMHI's and UMF's instruments was carried out. In total, 13 stations were visited in the Bothnian Sea, 7 in the Bothnian Bay and 14 in the Northern Quark.

On the transit from Kalmar to Gävle, the Huvudskär buoy was recovered. The buoy is sensitive to ice formation and is therefore retrieved before winter. It will be serviced and

maintained and redeployed in March. At Östergarnsholm, servicing of the carbon dioxide system operated by Uppsala University was carried out.

In the Baltic Proper, a total of 19 stations were visited, including three survey stations (BY30, 10E Almagrundet and Tröskeln Ålands Sea), one during the recovery of the Huvudskär buoy and one during instrument recovery at Östergarnsholm. In the North Sea area, a total of 12 stations were visited. A reference measurement at Flinten 7 was conducted while transiting north through Öresund. A test of the Auto Heave Compensation (AHC) system for the CTD winch was also conducted during the second leg of the expedition.

At a total of 25 stations across all sea areas, bottom water samples were collected for analysis of ammunition residues. This project is an initiative by HELCOM and is organised by the German institute GEOMAR. The Swedish Environmental Protection Agency provided financial support for this sampling. The samples will be analysed by GEOMAR and results reported to the Geological Survey of Sweden (SGU), which serves as the data host.

The FerryBox system operated throughout the expedition. A daily reference sample from the FerryBox was collected for chlorophyll analysis. The Moving Vessel Profiler (MVP) was operated between stations during daytime (approximately 08:00–20:00).

The results presented in this report are based on data that have undergone initial quality control and have been compared to monthly averages for the period 1991 – 2020. After further quality assurance, some values may be subject to change. All values in the report are rounded to the nearest tenth and may therefore differ slightly from published values. Data are published as soon as possible on the data host's website, usually within about a week after the expedition. Some analyses are completed after the expedition and are therefore published later.

More information about our data hosting and to download data:

<https://www.smhi.se/data/oceanografi/datavardskap-oceanografi-och-marinbiologi>

For more information on the algal situation, see the AlgAware report:

<https://www.smhi.se/publikationer/publikationer/algrapporter>

RESULTS

Skagerrak

Surface water temperature was above normal at five of seven stations and ranged between 8–9°C, while salinity was within normal ranges, varying between 27–34. The water column was well mixed in the upper ten metres; below this depth, salinity increased to approximately 34 in the bottom water. Temperature increased to around 10°C below the halocline. At the deepest station, Å17, an additional weak stratification was observed below 100 m, where salinity increased further (to approximately 35) and temperature decreased to around 8°C near the bottom.

Nutrient concentrations in surface waters had increased since October (the November expedition was cancelled due to insufficient funding). Phosphate concentrations were within normal ranges (0.4–0.6 µmol/l), while dissolved inorganic nitrogen (DIN) concentrations were above normal at two stations (7.1–8.9 µmol/l), due to unusually high ammonium levels. At the remaining stations, DIN concentrations were normal, 3.4–5.5 µmol/l. Silicate concentrations were normal for the season (4.1–8.0 µmol/l). Bottom water oxygen concentrations were within normal ranges, 5–6 ml/l, and had increased slightly since October.

Fluorescence measurements indicated low plankton activity at all stations.

Kattegat and the Sound

In the Kattegat and the Sound, surface water temperatures had decreased since October but remained above normal at all stations, around 8°C. Surface salinity was normal and ranged from 22 in the Sound to 26 at the Fladen station (the northernmost station in the Kattegat). In the Kattegat, stratification was observed at depths of 10 m (Anholt E and N14 Falkenberg) and 20 m (Fladen). Below this, salinity increased to approximately 34 and temperature to 10–11°C.

Concentrations of dissolved inorganic nutrients in surface waters had increased since October at all stations and were within normal ranges. At all Kattegat stations, nutrient concentrations are now approaching winter maxima, which are typically reached in January. Bottom water oxygen concentrations in the Kattegat had increased slightly since October and were within normal ranges, 5.3–5.6 ml/l. In the Sound, bottom water oxygen concentrations were also within normal ranges, 4.1 ml/l, which is right at the threshold for oxygen deficiency.

Chlorophyll fluorescence measured with the CTD was low, although some plankton activity could be observed in the surface layer.

The Baltic Proper

In the upper 40 m of the water column, the water was well mixed, somewhat shallower north of Gotland. In this layer, temperatures were more than two standard deviations

above the mean for the period 1991–2020, while salinity was mostly within two standard deviations. In the upper 0–10 m, temperatures ranged from 7.0–8.3°C and salinity from 6.0–8.6. The upper mixed layer had not yet cooled to winter temperatures. Below 40 m, temperature decreased to approximately 5.5°C before increasing again beneath the halocline at ca 60–70 m. Below the halocline, temperatures were also more than two standard deviations above the 1991–2020 mean, while salinity was mostly within two standard deviations.

Phosphate and dissolved inorganic nitrogen (DIN) concentrations had increased at all stations since the previous measurements (October or November). At some stations, phosphate concentrations in the mixed layer were above normal, ranging between 0.6–0.7 µmol/l, while concentrations at other stations were around 0.4–0.5 µmol/l. The lower concentrations were measured in the Bornholm Basin, Arkona Basin, station BCS III-10 and the Landsort Deep. Silicate concentrations were above normal, ranging between 15–19 µmol/l.

At two of the 17 stations, no oxygen deficiency was observed in bottom waters (station BY2 in the Arkona Basin and the Tröskeln Ålands hav station). At all stations in the Gotland basins, hydrogen sulphide was detected from depths of approximately 80–90 m, with acute oxygen deficiency from around 70 m. Concentrations of hydrogen sulphide, ammonium and silicate remained far above normal due to the absence of deep-water inflows. The highest concentrations were, as usual, found in the deep waters of the Gotland Deep, with hydrogen sulphide concentrations of 192 µmol/l, ammonium 46 µmol/l, phosphate 7 µmol/l and silicate 118 µmol/l.

Fluorescence measurements showed some plankton activity in surface waters in the Arkona Basin.

Gulf of Bothnia

Surface water temperatures ranged between 5–6°C in the Bothnian Sea (1991–2020 mean approximately 4°C) and 3–5°C in the Bothnian Bay (1991–2020 mean approximately 3.5°C). In the Bothnian Sea, temperatures were above normal at all stations except three. In the Bothnian Bay, temperatures were above normal at three of seven stations. Surface salinity was normal and ranged between 5.1–5.5 in the Bothnian Sea and 2.7–3.1 in the Bothnian Bay.

In the Bothnian Sea, the water column was well mixed down to 50–60 m, where salinity increased to approximately 6.5 in bottom waters. Oxygen concentrations decreased below this halocline to 4–5 ml/l, which is below normal. The lowest value, 4.1 ml/l, was measured in bottom waters at station MS6 in the central Bothnian Sea, which is just above the threshold for oxygen deficiency (4 ml/l). In the Bothnian Bay, the water was well mixed down to approximately 40 m. At deeper stations, a weak halocline was present, with bottom water salinity around 4. No oxygen deficiency was observed in the Bothnian Bay; however, below the halocline, oxygen concentrations were below normal at the two

deepest stations, F9 and BO3, with concentrations of 7 ml/l, corresponding to an oxygen saturation of 80%.

The nutrient survey in the Gulf of Bothnia showed silicate concentrations above normal at the majority of stations. Silicate concentrations ranged between 19–22 $\mu\text{mol/l}$ in the eastern parts of the Bothnian Sea and 23–26 $\mu\text{mol/l}$ in the western parts, with the highest concentrations at more coastal stations. No coastal stations were visited on the eastern side. Silicate concentrations increased through the Quark, and in the Bothnian Bay ranged from 36–43 $\mu\text{mol/l}$, again lowest on the eastern side. The same pattern was observed in the Quark, where concentrations on the western side of Holmön were 37–39 $\mu\text{mol/l}$ and on the eastern side 32–37 $\mu\text{mol/l}$.

Phosphate concentrations were generally normal; in the southern parts of the Bothnian Sea they were slightly above normal, approximately 0.4 $\mu\text{mol/l}$, while in other areas they were around 0.3 $\mu\text{mol/l}$. Through the Quark, concentrations decreased, and in the Bothnian Bay they ranged from 0.07–0.09 $\mu\text{mol/l}$. In contrast to phosphate, which decreases northward, dissolved inorganic nitrogen concentrations increased northward, with concentrations around 3 $\mu\text{mol/l}$ in the Bothnian Sea and around 5 $\mu\text{mol/l}$ in the Bothnian Bay. In the Bothnian Bay, this was below normal, as the 1991–2020 mean is approximately 6 $\mu\text{mol/l}$.

Fluorescence measurements showed no plankton activity at any station.

Figures

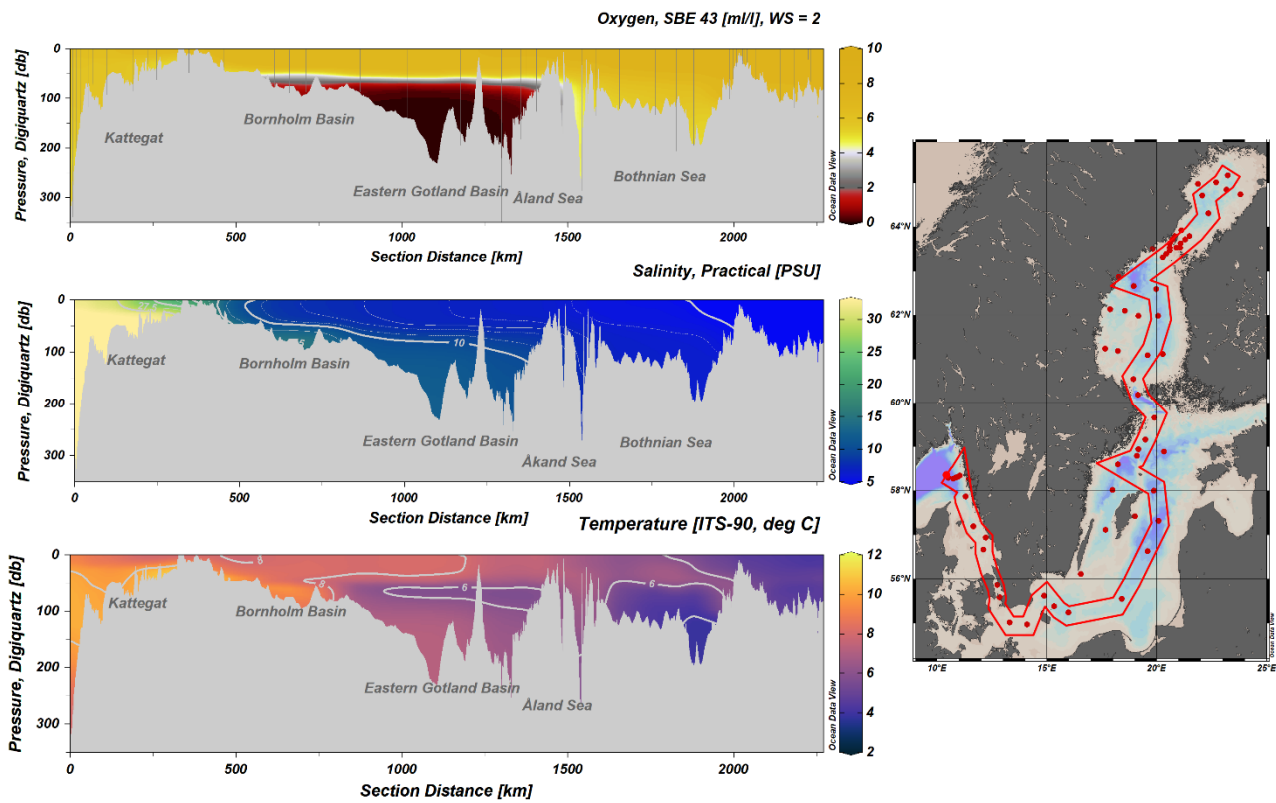


Figure 1. Section showing oxygen concentration, salinity, and temperature from CTD and MVP measurements, from the Skagerrak through the Kattegat and into the Baltic Sea according to the map (bottom).

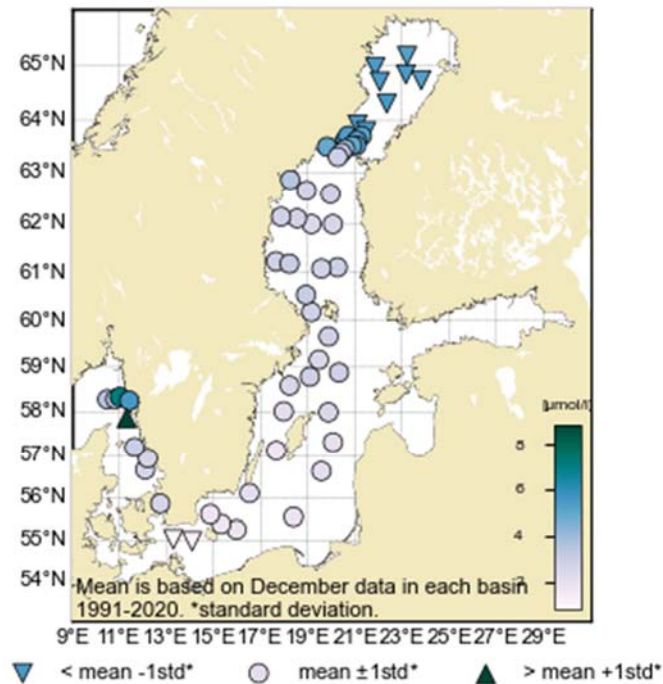


Figure 2. The concentration ($\mu\text{mol/l}$) of inorganic nitrogen (DIN) in the surface water (0 – 10 m). The mean value is based on data for the month at each station during the years 1991 – 2020.

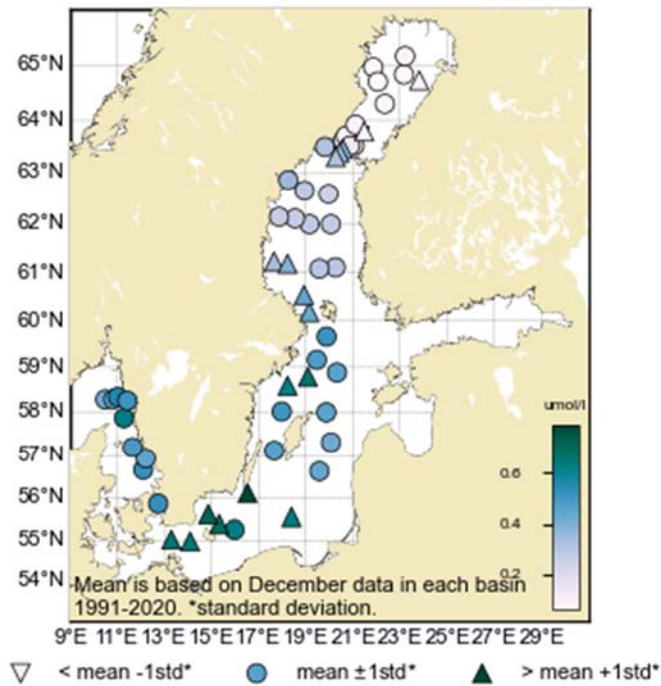


Figure 3. The concentration ($\mu\text{mol/l}$) of phosphate in the surface water (0 – 10 m). The mean value is based on data for the month at each station during the years 1991 – 2020.

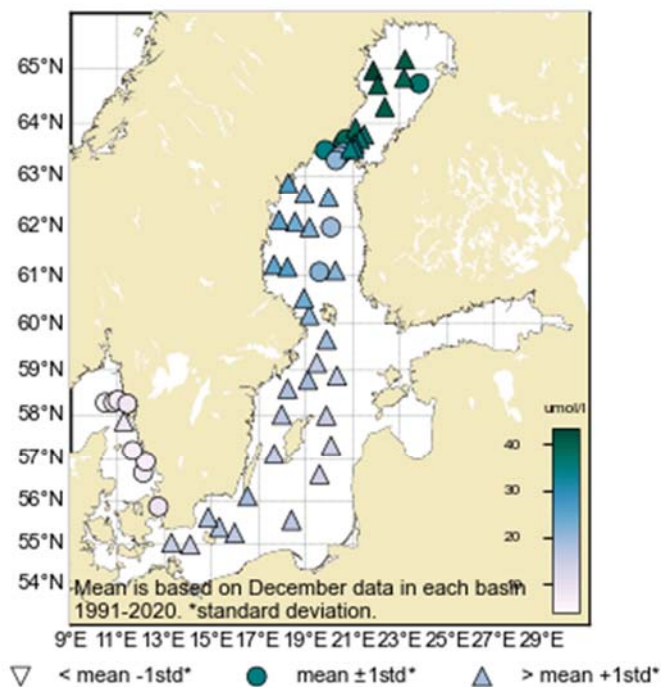


Figure 4. The concentration ($\mu\text{mol/l}$) of silicate in the surface water (0 – 10 m). The mean value is based on data for the month at each station during the years 1991 – 2020.

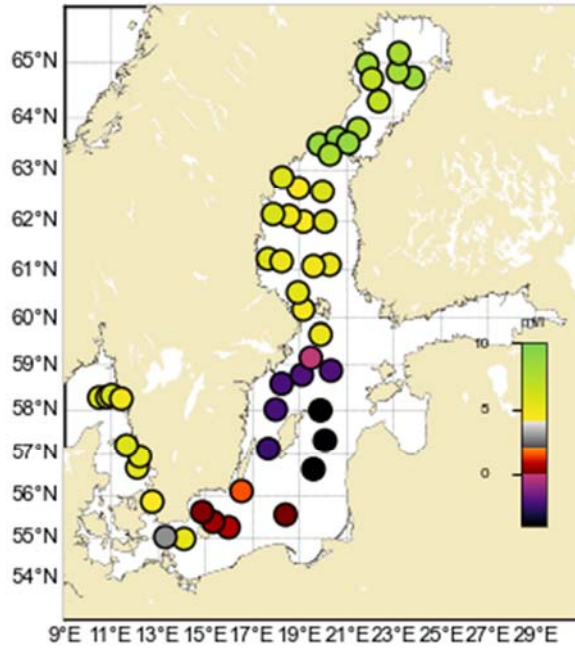


Figure 5. Dissolved oxygen concentration (ml/l) in the bottom water, approx. one meter above the seafloor. Presence of hydrogen sulphide is shown as H₂S. Note that the values have not been compared to statistics as in similar figures and only circles are shown

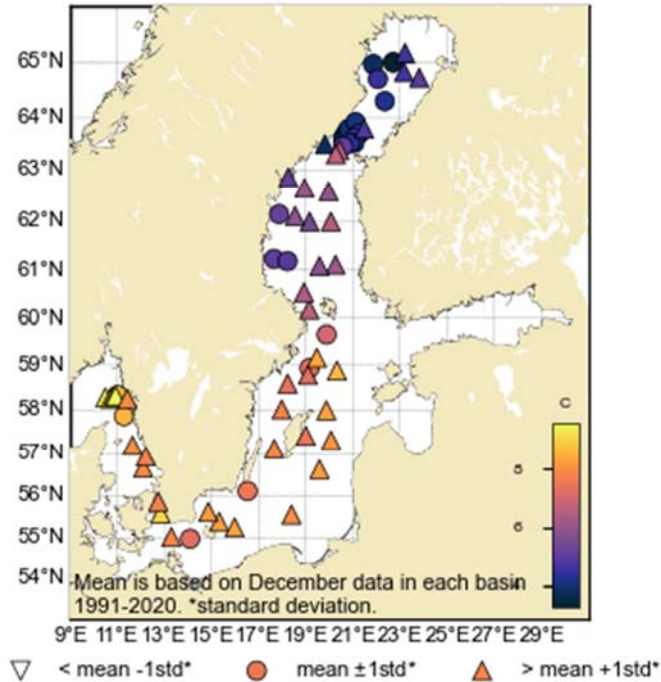


Figure 6. The temperature in the surface water (0 – 10 m). The mean value is based on data for the month at each station during the years 1991 – 2020.

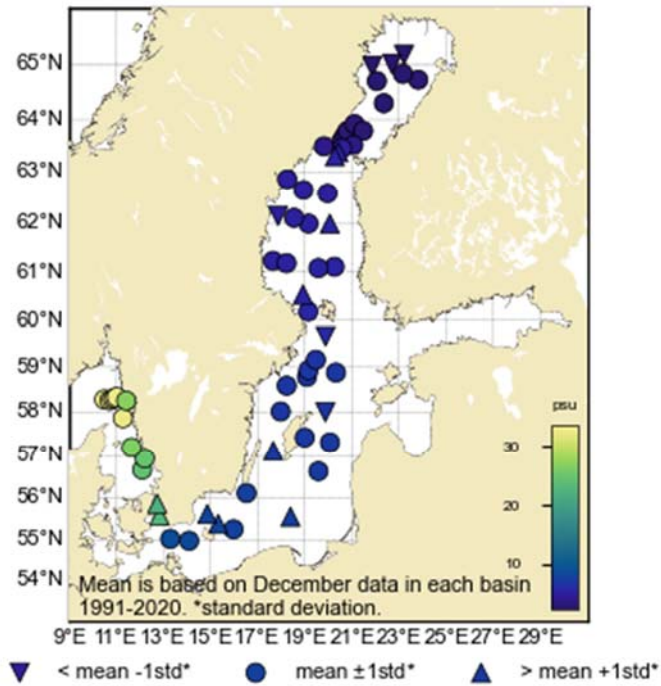


Figure 7. The salinity in the surface water (0 – 10 m). The mean value is based on data for the month at each station during the years 1991 – 2020.

PARTICIPANTS

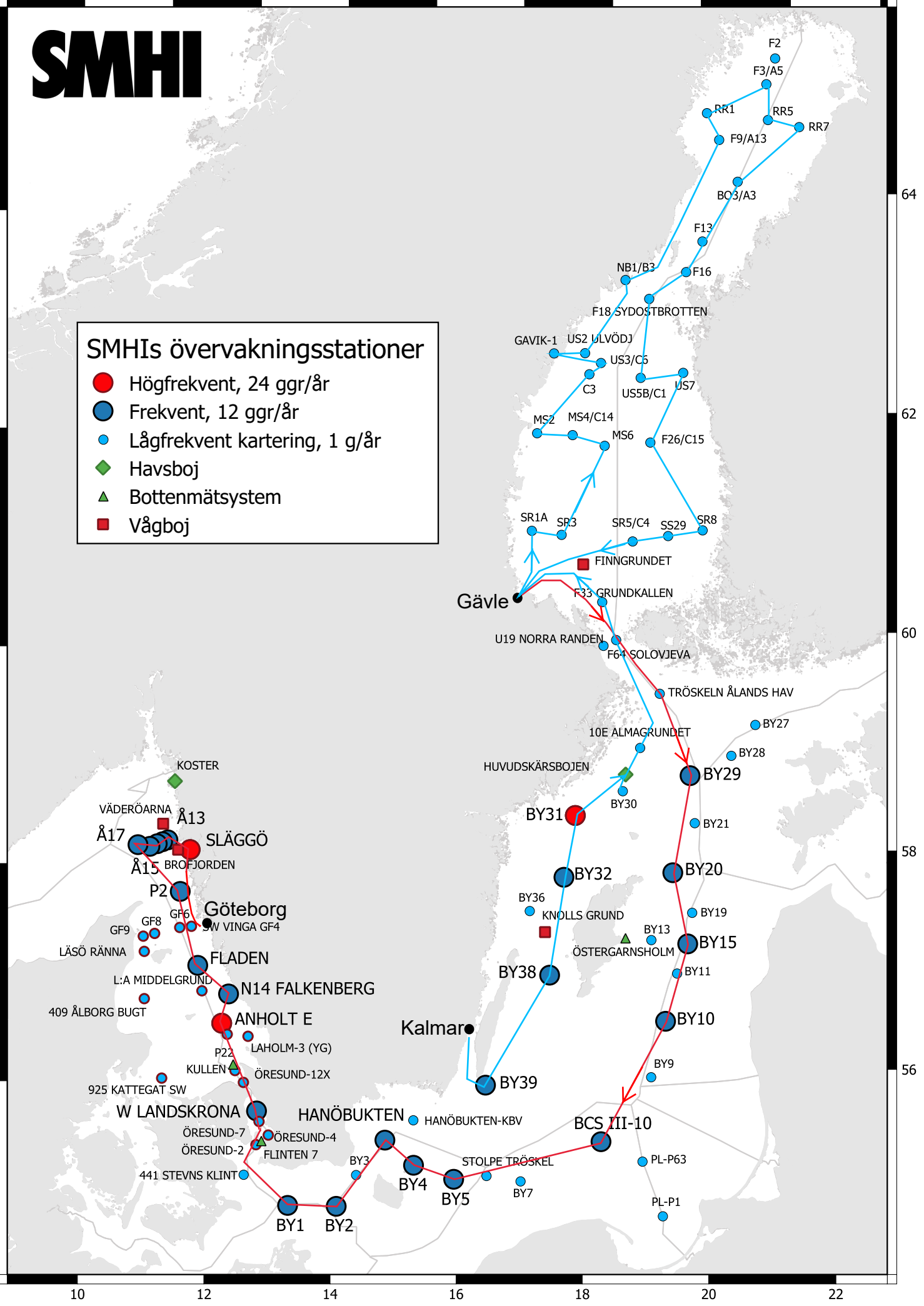
Name	Role	From	Leg
Lena Viktorsson	Chief Scientist, Oceanographer	SMHI	Kalmar-Gävle-Gävle
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APPENDICES

- Track chart
- Table with stations, analysed parameters and number of sampling depths
- Monthly average plots for surface water
- Vertical profiles

SMHIs övervakningsstationer

- Högfrekvent, 24 ggr/år
- Frekvent, 12 ggr/år
- Lågfrekvent kartering, 1 g/år
- ◆ Havsboj
- ▲ Bottenmätsystem
- Vågboj



Date: 2026-01-12
Time: 15:35

Ship: 77SE
Year: 2025

Ser no	Cru no	Stat code	Proj	Stat name	Lat	Lon	Start date yyyymmdd	Start time hhmm	Bottom depth m	Secchi depth m	Wind dir vel	Air temp C	Air pres hPa	WCWI elac	CZPP ho	No de	No btl	T e e	T m m	S a l	P x x	D s o	D o o	H r r	P r o	N n n	N n n	A a a	N n n	A s s	S h h	C c c			
0935	30	BPSE49	BAS...	BY39 ÖLANDS S UDDE	5607.00	01632.15	20251204	1940	50		16	4.6	5.8	1016	9999	xxx-	8 8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	
0936	30	BPWX45	BAS...	BY38 KARLSÖDJ	5707.04	01740.10	20251205	0350	114		20	5.1	6.3	1017	9999	x---	14 14	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-	
0937	30	BPWX38	BAS...	BY32 NORRKÖPINGSDJ	5801.01	01759.06	20251205	1000	205	13.0	19	5.1	6.4	1019	2830	x---	17 17	-	x	-	x	x	x	x	x	x	x	x	x	x	x	x	-	-	
0938	30	BPNX37	BAS...	BY31 LANDSORTSDJ	5835.62	01814.18	20251205	1525	459		14	6.1	6.4	1019	9999	xxxx	20 20	-	x	-	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-
0939	30	BPNX36	EXT...	BY30	5847.30	01905.75	20251205	2050	191		15	6.2	7.1	1019	9999	----	16 16	-	x	-	x	x	x	x	x	x	x	x	x	x	x	x	-	-	
0940	30	BPNX00	EXT...	HUVUDSKÄR	5856.06	01909.84	20251206	0105	93		12	5.2	6.8	1017	9999	----	12	-	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	
0941	30	BPNX00	BAS...	10E ALMAGRUNDET	5909.60	01928.52	20251206	0322	133		14	6.1	6.4	1019	9990	x---	14 4	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	-	-	
0942	30	GBAX02	BAS...	F64 SOLOVJEVA	6010.91	01909.34	20251206	1159	290		13	9.7	7.1	1011	2830	----	20 20	-	x	-	x	-	x	x	x	x	x	x	x	x	x	-	-		
0943	30	GBSX00	BAS...	SR1A/C11	6113.87	01739.54	20251207	0115	64		19	6.7	5.1	1011	9999	----	10	-	x	-	x	-	x	x	x	-	x	-	x	-	x	-	-		
0944	30	GBSX00	BAS...	SR3/C24	6111.03	01813.90	20251207	0334	70		13	9.7	7.1	1011	9990	----	10 10	x	x	x	x	x	-	x	x	x	x	x	x	x	x	x	-	-	
0945	30	GBSX17	BAS...	MS6	6159.01	01909.89	20251207	0934	68		15	7.1	5.5	1014	2830	----	10 10	x	x	x	-	x	x	-	x	x	x	x	x	x	-	-	-	-	
0946	30	GBSX15	BAS...	MS4 / C14	6205.93	01833.04	20251207	1218	88	10.0	16	4.4	5.7	1014	2830	----	11 11	x	x	x	x	x	-	x	x	x	x	x	x	x	x	-	-		
0947	30	GBSX00	BAS...	MS2/C13	6207.92	01752.41	20251207	1515	75		16	3.2	5.4	1014	9999	----	10	-	x	-	x	-	x	x	-	x	-	x	-	x	-	-	-		
0948	30	GBSX31	BAS...	C3	6239.19	01857.12	20251207	2000	201		16	9.5	5.5	1012	7999	----	17 17	-	x	-	x	x	x	-	x	x	x	x	x	x	-	-	-	-	
0949	30	GBSF51	BAS...	GAVIK-1	6251.8	01815.81	20251207	2310	84		16	6.9	5.9	1011	9999	----	6 6	x	x	x	x	x	-	x	x	x	x	x	x	x	-	-	-	-	
0950	30	GBSX58	BAS...	NB1 / B3	6329.99	01949.12	20251208	0636	24		14	6.2	3.3	1009	9999	----	6 6	x	x	x	x	x	-	x	x	x	x	x	x	x	-	-	-	-	
0951	30	GBQX00	EXT...	VK1	6331.54	02035.96	20251208	0953	30		14	4.3	2.0	1008	2830	----	5	-	x	-	x	-	x	x	-	x	-	x	-	x	-	-	-		
0952	30	GBQX00	EXT...	VK2	6337.16	02035.26	20251208	1100	23		11	3.6	1.6	1008	2830	----	5	-	x	-	x	-	x	x	-	x	-	x	-	x	-	-	-		
0953	30	GBQX00	EXT...	VK3	6342.47	02042.43	20251208	1212	33		12	3.7	1.8	1007	2830	----	5	-	x	-	x	-	x	x	-	x	-	x	-	x	-	-	-		
0954	30	GBQX00	EXT...	VK4	6347.48	02049.02	20251208	1319	28		12	2.3	1.8	1007	2830	----	5	-	x	-	x	-	x	-	-	-	-	-	-	-	-	-	-		
0955	30	GBBX00	EXT...	NK1	6355.07	02106.99	20251208	1455	33		13	4.4	2.5	1006	9999	----	5	-	x	-	x	-	x	x	-	x	-	x	-	x	-	-	-		
0956	30	GBBX33	BAS...	B03 / A3	6418.3	02221.5	20251208	1910	105		16	3.9	2.4	1005	9999	----	14 14	x	x	x	-	x	-	x	x	x	x	x	-	x	-	-	-		
0957	30	GBBX35	BAS...	RR7	6443.96	02349.08	20251208	2358	40		11	5.0	1.7	1004	9999	----	7 7	x	x	x	-	x	-	x	x	x	x	-	x	-	-	-	-		
0958	30	GBBX37	BAS...	RR5	6450.31	02310.18	20251209	0215	69		08	5.7	2.4	1003	9999	----	10 10	x	x	x	-	x	-	x	x	x	x	-	x	-	-	-	-		
0959	30	GBBX45	BAS...	F3 / A5	6509.98	02312.94	20251209	0443	100		09	6.4	1.7	1003	9990	----	13 13	x	x	x	x	x	-	x	x	x	x	x	x	-	-	-	-		
0960	30	GBBX00	EXT...	FALKENS GRUND - FAL	6500.22	02242.68	20251209	0725	23		07	5.0	2.4	1003	9990	----	6	-	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-		
0961	30	GBBX00	BAS...	RR1/A8	6458.07	02152.03	20251209	1037	89	9.0	09	5.0	2.6	1004	4930	----	12	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0962	30	GBBX43	BAS...	F9 / A13	6442.50	02203.75	20251209	1254	123		13	2.8	2.6	1004	3830	----	14 14	x	x	x	x	x	-	x	x	x	x	x	x	-	-	-	-		
0963	30	GBBX00	BAS...	F13/A19	6347.49	02129.05	20251209	2010	65		28	2.9	2.2	1006	9999	----	10	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0964	30	GBQX00	EXT...	OK3	6342.53	02117.88	20251209	2145	55		26	4.1	2.2	1006	9999	----	8	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0965	30	GBQX00	EXT...	OK2	6337.18	02105.18	20251209	2310	30		19	4.1	3.3	1005	9999	----	5	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0966	30	GBQX31	BAS...	F16	6331.53	02104.08	20251210	0030	49		26	6.2	3.8	1005	9999	----	8 8	x	x	x	-	x	-	x	x	x	x	-	x	-	-	-			
0967	30	GBQX00	EXT...	OK1	6331.55	02053.33	20251210	0135	32		24	7.0	2.0	1006	9999	----	5	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0968	30	GBQX00	EXT...	SKV2	6327.69	02035.15	20251210	0331	37		25	5.2	0.8	1006	9990	----	7	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			
0969	30	GBSX00	EXT...	SKV1	6323.29	02026.22	20251210	0439	63		24	4.5	0.8	1005	9990	----	9	-	x	-	x	-	x	x	-	x	-	x	-	-	-	-			

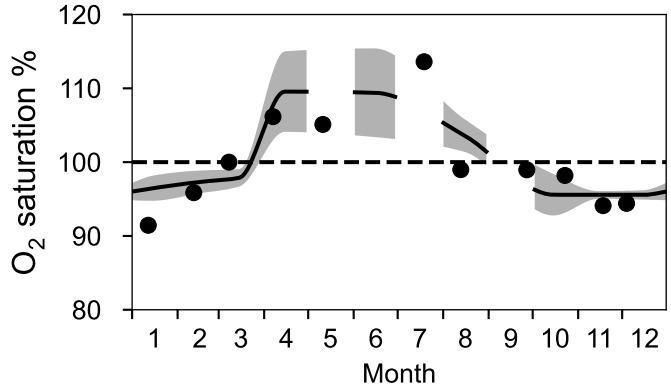
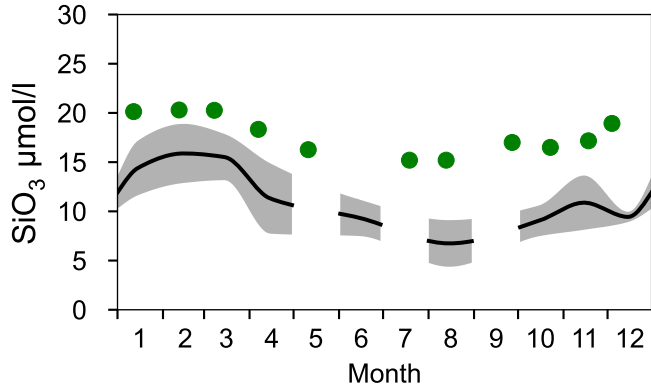
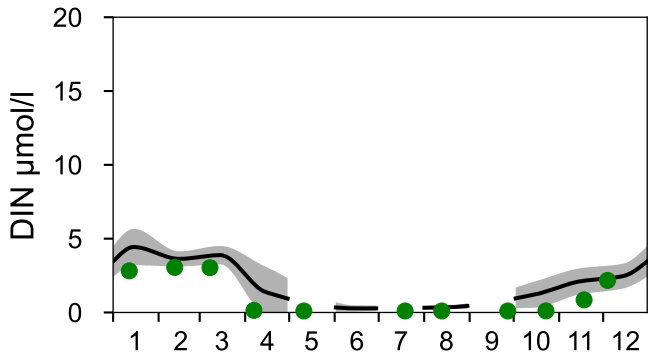
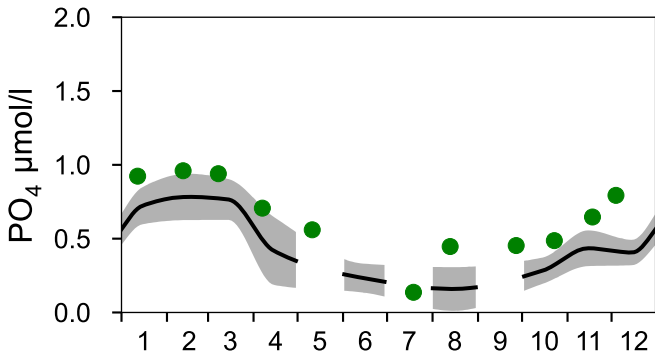
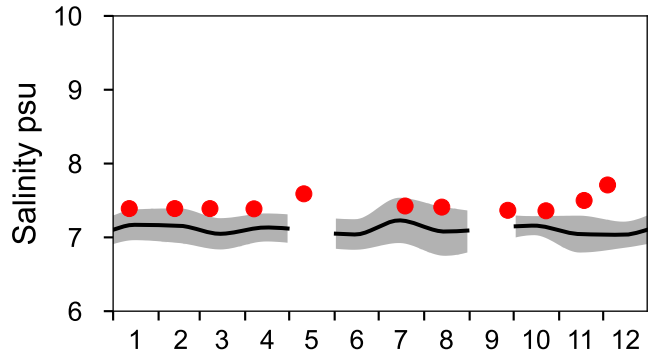
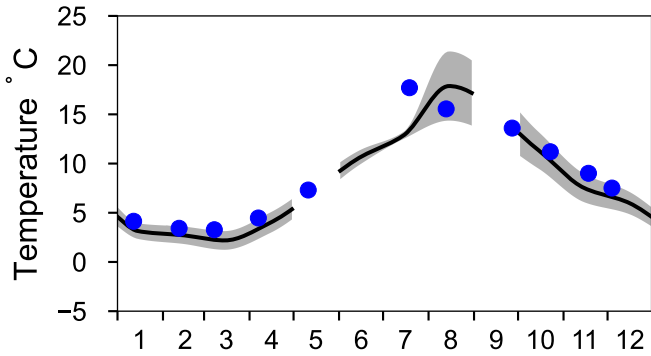
Ship: 77SE
Year: 2025

Ser no	Cru no	Stat code	Proj	Stat name	Lat	Lon	Start date yyyymmdd	Start time hhmm	Bottom depth m	Secchi depth m	Wind dir vel	Air temp C	Air pres hPa	WCWI aoe	CZPP hoy	No de	No btl	T e	T e	S a	P h	D o	D h	H o	P o	N n	N n	N a	N a	S h	C c		
0970	30	GBSX30	BAS...	F18 SYDOSTBROTEN	6318.55	02016.83	20251210	0551	104		25	5.4	2.3	1005	9990	----	14	14	x	x	x	x	-	x	x	x	x	x	x	x	-	x	-
0971	30	GBSX26	BAS...	U5B / C1	6235.21	01958.29	20251210	1053	208		20	9.6	4.9	1001	2830	----	17	17	x	x	-	x	x	-	x	x	x	x	x	x	-	x	-
0972	30	GBSX22	BAS...	F26 / C15	6158.96	02004.1	20251210	1555	142		26	13.2	6.0	994	9999	----	15	15	x	x	x	-	x	x	-	x	x	x	x	-	x	-	
0973	30	GBSX06	BAS...	SS29	6106.61	02016.03	20251210	2155	118		25	12.2	6.8	998	9999	----	14	14	x	x	x	-	x	x	-	x	x	x	x	-	x	-	
0974	30	GBSX00	BAS...	SR5/LL4	6105.02	01935.09	20251211	0040	124		27	9.2	6.5	1000	9999	----	14		-	x	-	x	-	x	-	x	-	x	-	x	-		
0975	30	GBSX03	BAS...	F33 GRUNDKALLEN	6032.38	01855.8	20251211	1915	136		02	9.0	4.7	1009	9990	----	15	15	x	x	x	-	x	x	-	x	x	x	x	-	x	-	
0976	30	GBAX01	BAS...	TRÖSKELN ÅLANDS HAV	5939.62	01953.2	20251212	0210	60		04	10.0	4.1	1014	9990	----	9	9	x	x	x	-	x	x	-	x	x	x	x	-	x	-	
0977	30	BPNX35	BAS...	BY29 / LL19	5852.90	02019.66	20251212	0705	178		00	8.5	4.1	1018	2840	x---	16	16	-	x	-	x	-	x	-	x	-	x	-	x	-		
0979	30	BPEX26	BAS...	BY20 FÅRÖDJ	5759.92	01952.63	20251212	1330	203		12	8.2	5.4	1023	2740	x--x	17	17	-	x	-	x	-	x	-	x	-	x	-	x	-		
0980	30	BPEX00	EXT...	ÖSTERGARNSHOLM	5725.37	01900.23	20251212	1840	20		10	8.0	6.3	1027	9990	----	5	0	-	x	-	x	-	x	-	x	-	x	-	x	-		
0981	30	BPEX21	BAS...	BY15 GOTLANDSDJ	5718.73	02004.5	20251213	0130	249		15	8.0	3.1	1029	9990	xxxx	24	24	-	x	-	x	-	x	-	x	-	x	-	x	-		
0982	30	BPEX13	BAS...	BY10	5638.02	01935.11	20251213	0652	147		13	12.0	4.2	1025	9990	x---	15	15	x	x	x	-	x	x	-	x	x	-	x	-			
0983	30	BPSE11	BAS...	BCS III-10	5533.3	01824.03	20251213	1530	90		20	8.0	5.6	1024	9990	x---	12	12	x	x	x	-	x	x	-	x	x	-	x	-			
0984	30	BPSB07	BAS...	BY5 BORNHOLMSDJ	5515.02	01559.14	20251214	0040	91		29	11.0	7.7	1023	9990	x-xx	12	12	x	x	x	-	x	x	-	x	x	-	x	-			
0985	30	BPSB06	BAS...	BY4 CHRISTIANSÖ	5522.97	01520.04	20251214	0334	94		26	10.8	7.6	1022	9990	x---	12	12	x	x	x	-	x	x	-	x	x	-	x	-			
0986	30	BPSH05	BAS...	HANÖBUKTEN	5537.19	01452.13	20251214	0621	80		23	15.0	7.4	1020	9990	x---	11	11	x	x	x	-	x	x	-	x	x	-	x	-			
0987	30	BPSA03	BAS...	BY2 ARKONA	5458.28	01406.04	20251214	1249	47		23	11.9	6.6	1020	2750	x-x-	8	8	x	x	x	-	x	x	-	x	x	-	x	-			
0988	30	BPSA02	BAS...	BY1	5500.97	01318.14	20251214	1730	47		23	14.0	6.9	1019	9990	x---	8	8	x	x	x	-	x	x	-	x	x	-	x	-			
0989	30	SOSX00	EXT...	FLINTEN7	5535.24	01250.78	20251214	2300	9		25	9.0	8.9	1018	9990	----	3		-	x	-	x	-	x	-	x	-	x	-				
0990	30	SOCX39	BAS...	W LANDSKRONA	5552.05	01244.84	20251215	0135	50		24	10.0	7.6	1016	9990	x---	9	9	x	x	x	-	x	x	-	x	x	-	x	-			
0991	30	KAEX29	BAS...	ANHOLT E	5640.11	01206.71	20251215	0729	62		22	13.0	7.9	1012	9990	xxxx	10	10	x	x	x	-	x	x	-	x	x	-	x	-			
0992	30	KANX50	BAS...	N14 FALKENBERG	5656.09	01213.14	20251215	1208	30	6.0	22	10.4	8.1	1013	2740	xxx-	7	7	x	x	x	-	x	x	-	x	x	-	x	-			
0993	30	KANX25	BAS...	FLADEN	5711.65	01139.4	20251215	1327	84		20	12.3	8.2	1011	2840	x---	13	13	x	x	x	-	x	x	-	x	x	-	x	-			
0994	30	SKEX23	BAS...	P2	5752.1	01117.62	20251215	2019	93		20	11.78	8.29	1011	9990	x---	10	10	x	x	x	-	x	x	-	x	x	-	x	-			
0996	30	SKEX18	BAS...	Å17	5817.22	01030.2	20251215	2345	340		20	13.0	8.2	1010	9999	x-x-	15	15	-	x	-	x	-	x	-	x	-	x	-				
0997	30	SKEX17	BAS...	Å16	5816.07	01043.58	20251216	0150	202		21	12.0	7.9	1010	9990	----	14(13)0		-	x	-	x	-	x	-	x	-	x	-				
0998	30	SKEX16	BAS...	Å15	5817.65	01050.96	20251216	0254	135		20	12.3	8.2	1011	9990	x---	12	12	x	x	x	-	x	x	-	x	x	-	x	-			
0999	30	SKEX15	BAS...	Å14	5819.09	01056.25	20251216	0356	110		21	11.4	7.5	1010	9990	----	11	0	-	x	-	x	-	x	-	x	-	x	-				
1000	30	SKEX14	BAS...	Å13	5820.45	01101.62	20251216	0453	90		20	11.9	7.3	1011	9990	x---	10	10	x	x	x	-	x	x	-	x	x	-	x	-			
1001	30	FIBG27	BAS...	SLÄGGÖ	5815.6	01126.13	20251216	0730	74	7.0	20	12.3	8.2	1011	2830	xxx-	9	9	x	x	x	-	x	x	-	x	x	-	x	-			

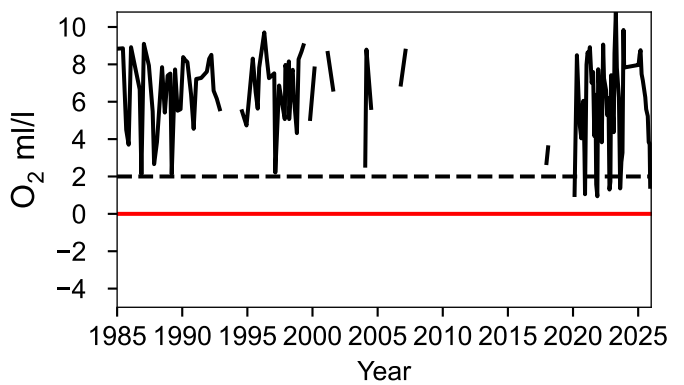
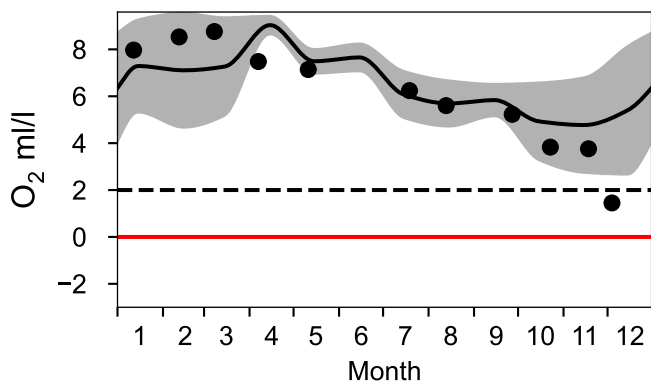
STATION BY39 ÖLANDS S UDDE SURFACE WATER (0-10 m)

Annual Cycles

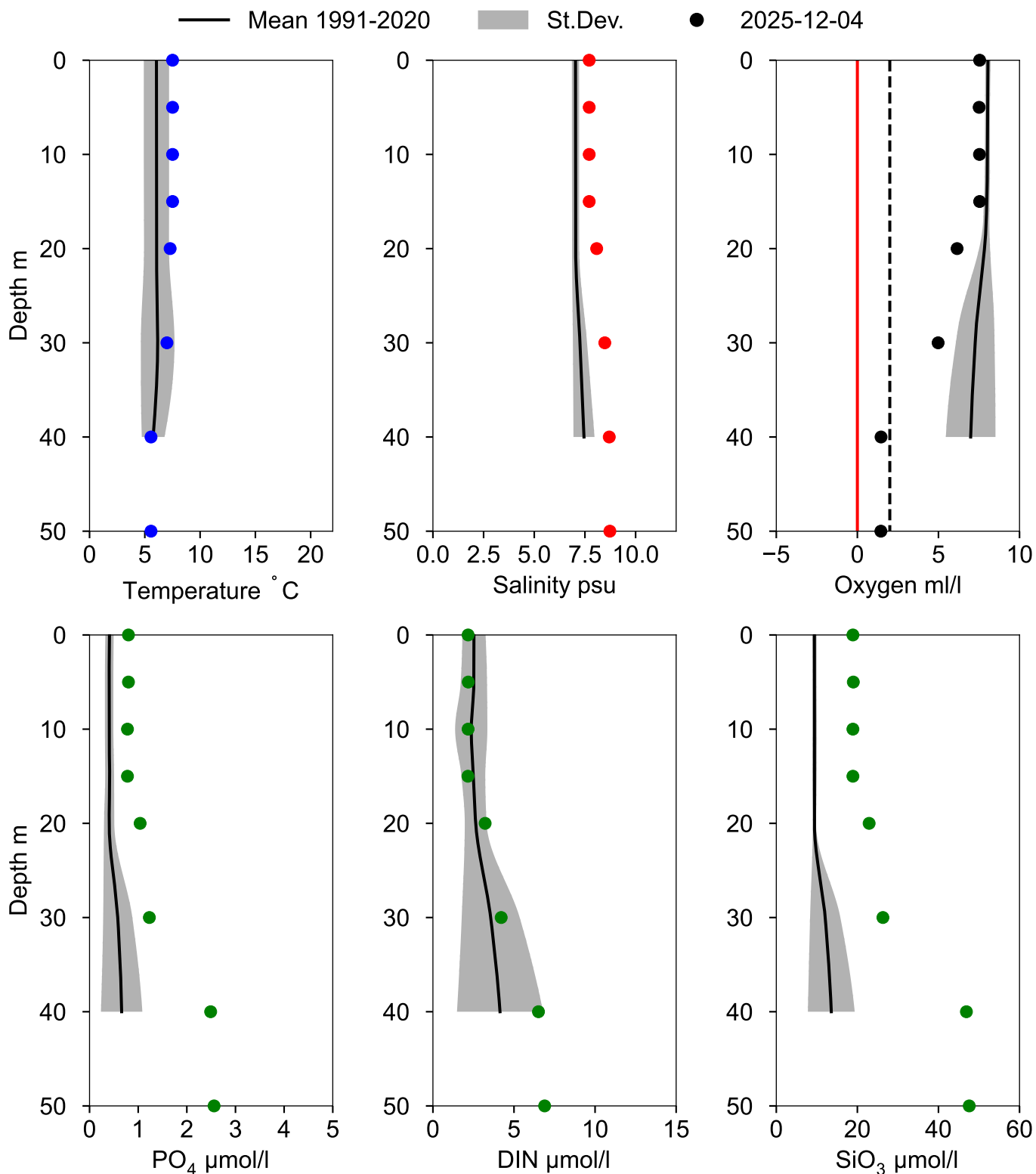
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 40 m)



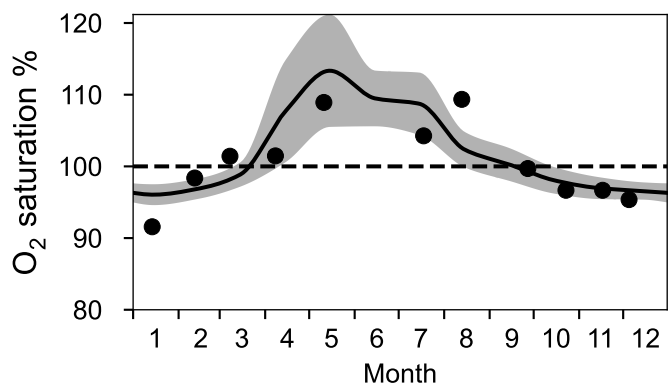
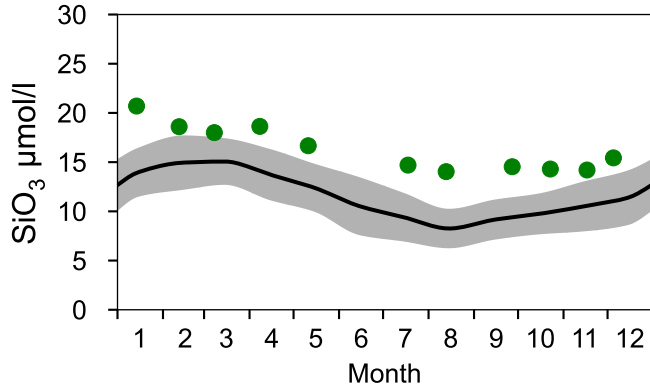
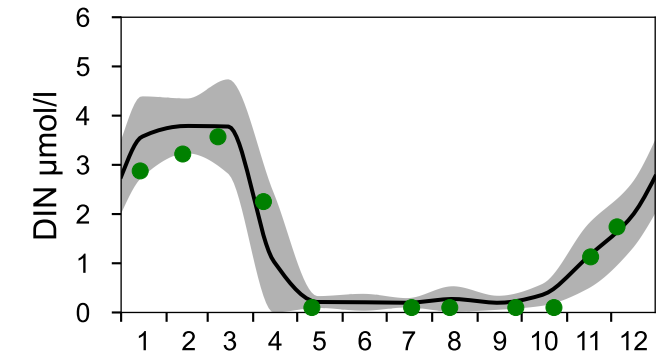
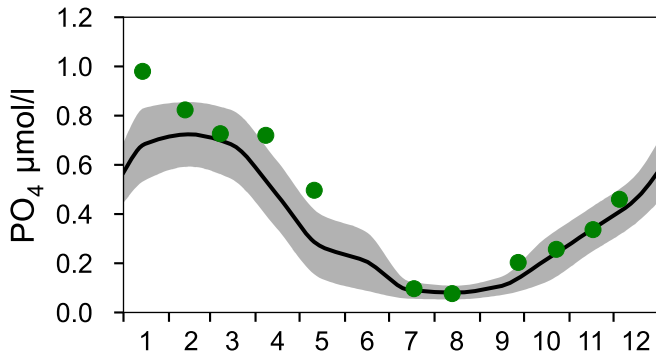
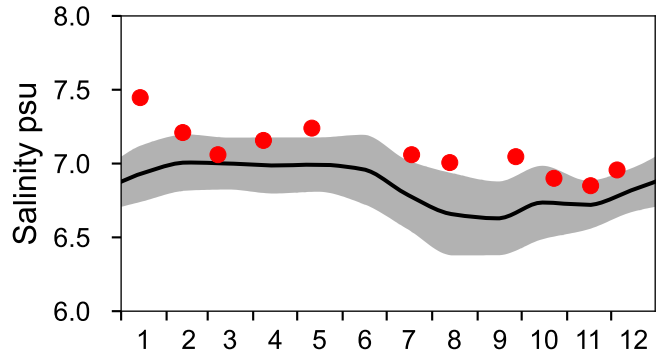
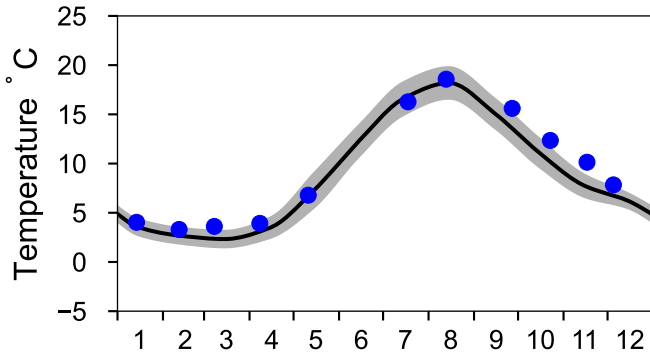
Vertical profiles BY39 ÖLANDS S UDDE December



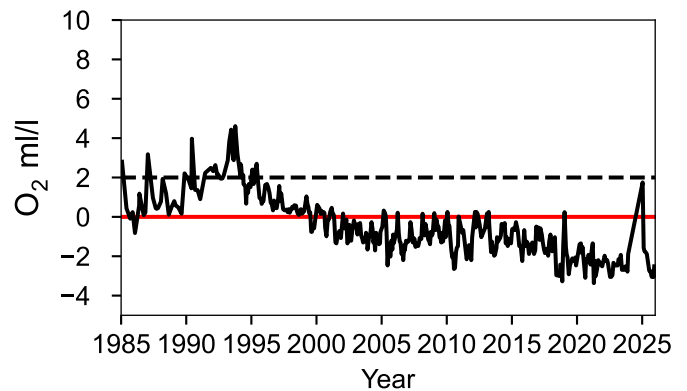
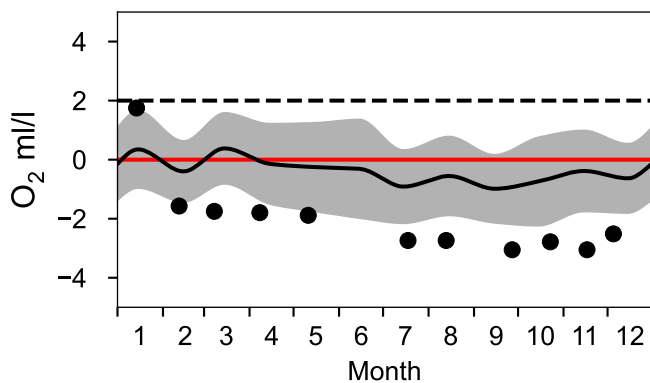
STATION BY38 KARLSÖDJ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

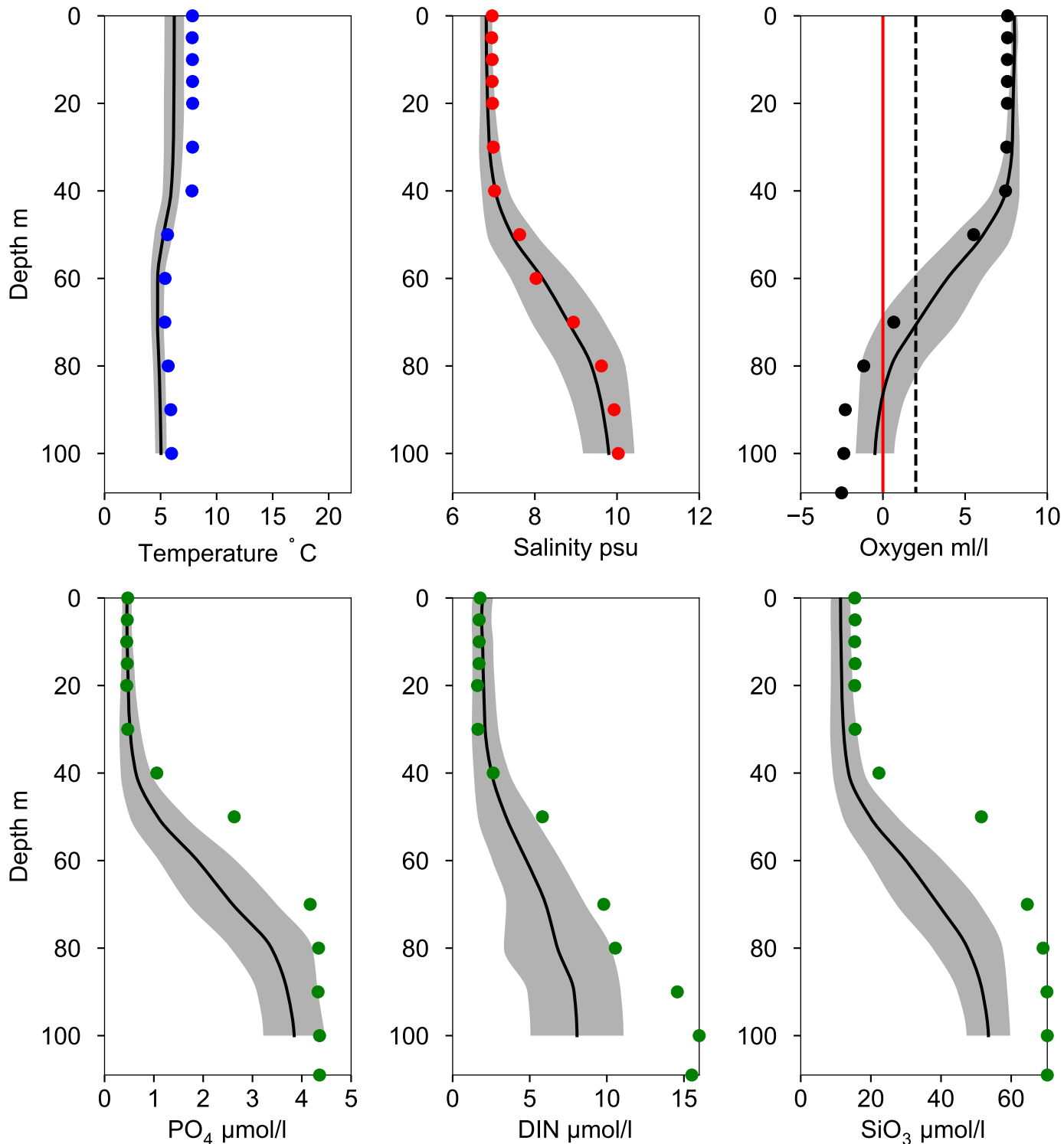


OXYGEN IN BOTTOM WATER (depth >= 100 m)



Vertical profiles BY38 KARLSÖDJ December

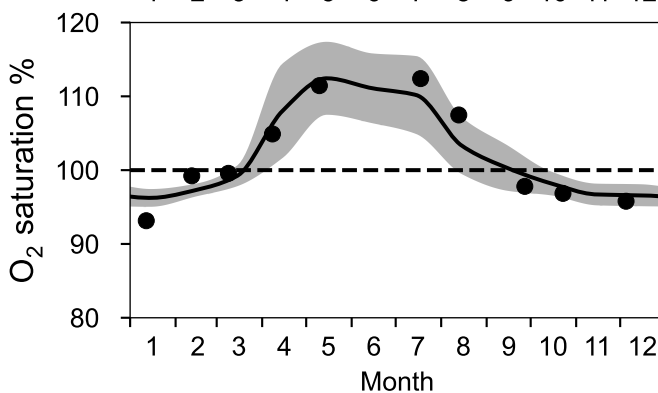
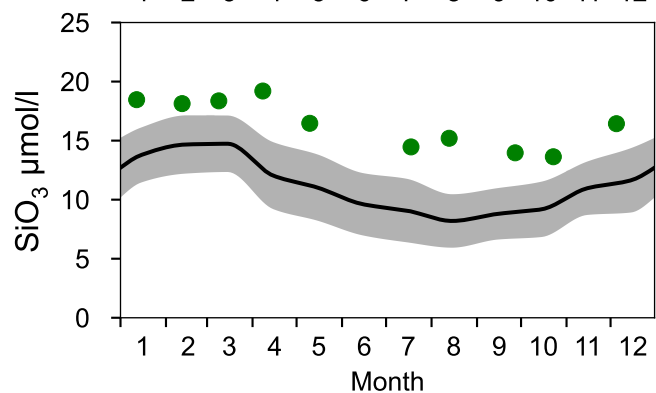
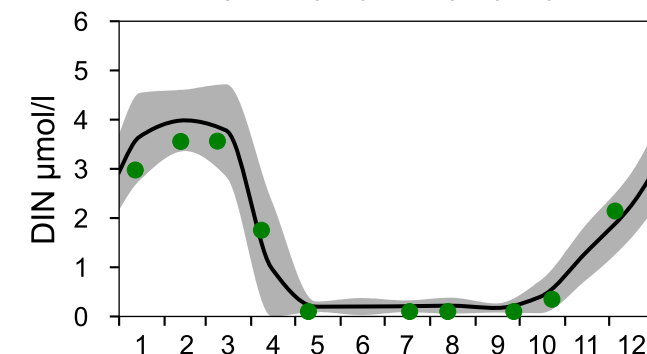
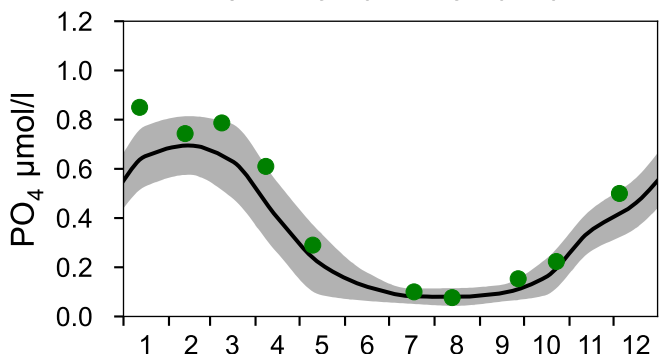
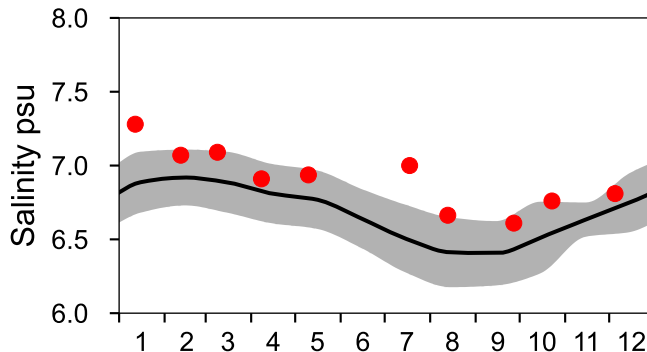
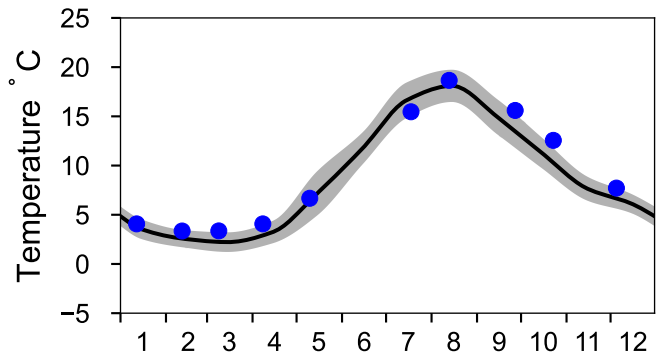
— Mean 1991-2020 St.Dev. ● 2025-12-05



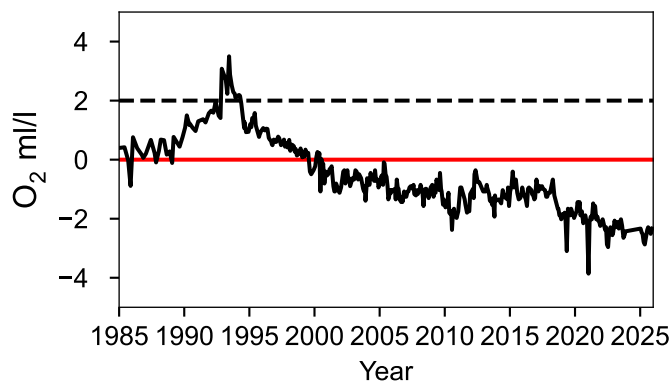
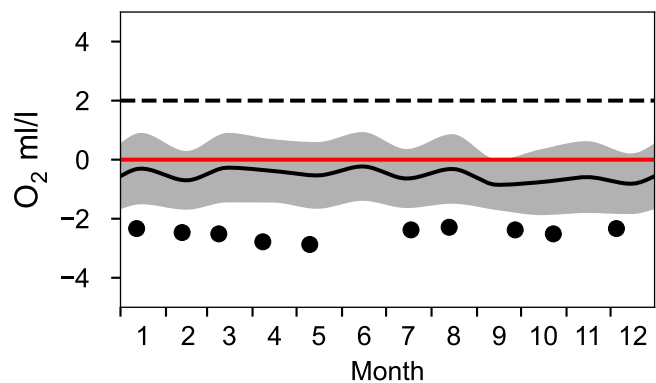
STATION BY32 NORRKÖPINGSDJ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

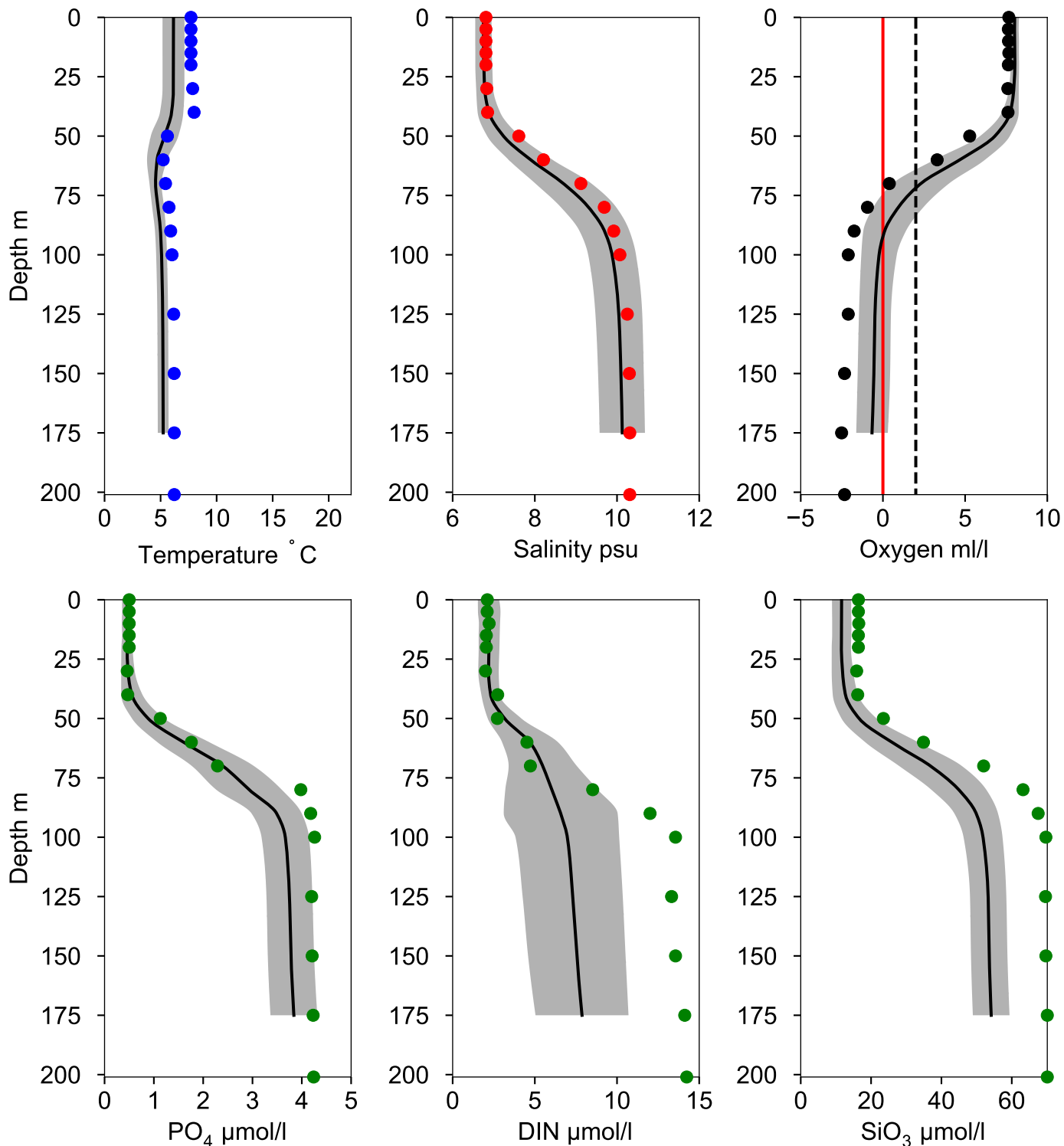


OXYGEN IN BOTTOM WATER (depth >= 175 m)



Vertical profiles BY32 NORRKÖPINGSDJ December

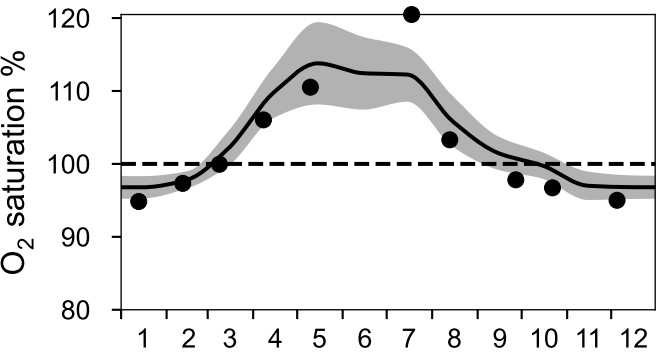
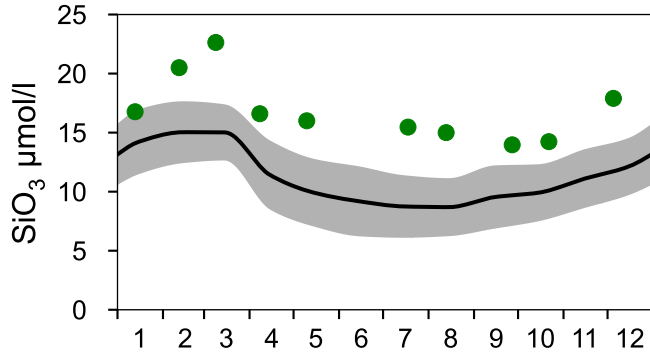
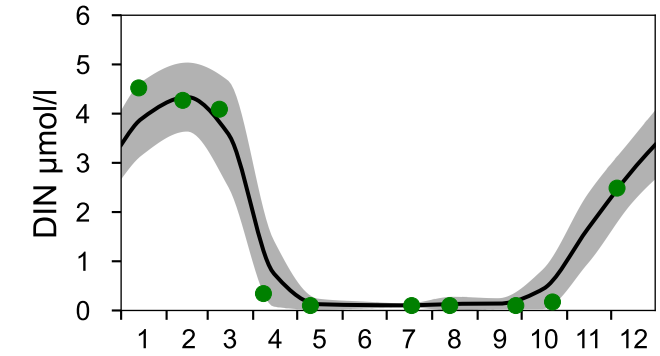
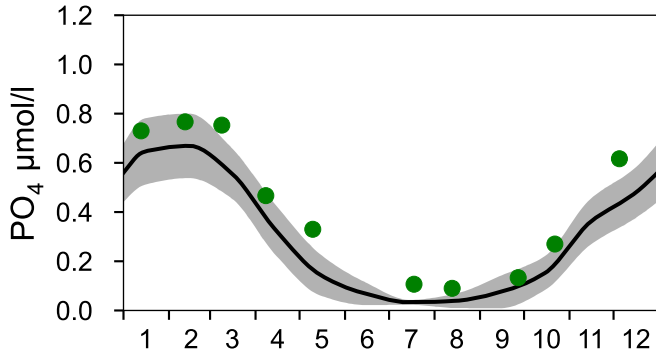
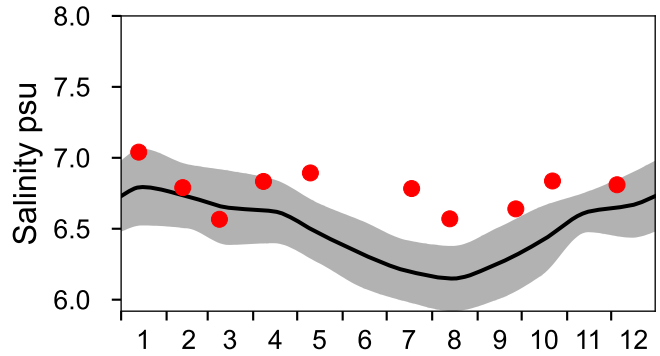
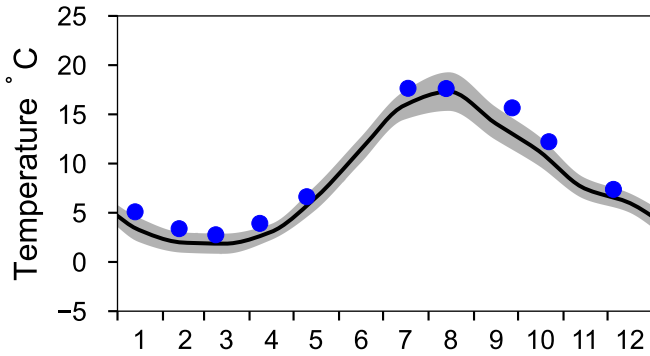
— Mean 1991-2020 St.Dev. ● 2025-12-05



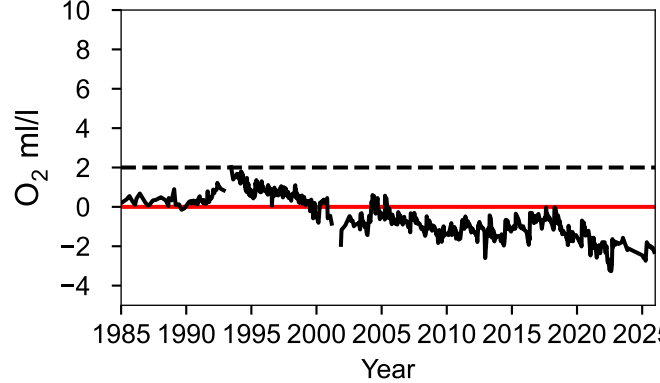
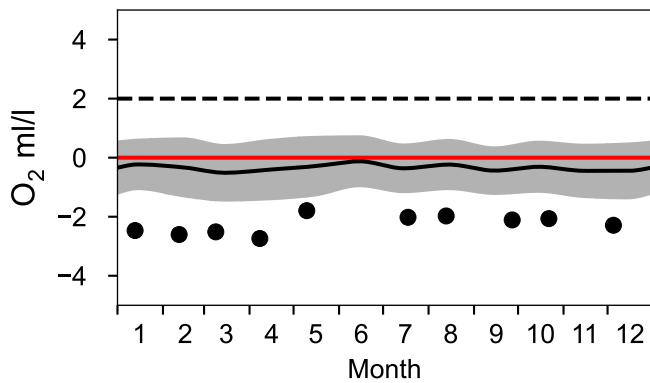
STATION BY31 LANDSORTSDJ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

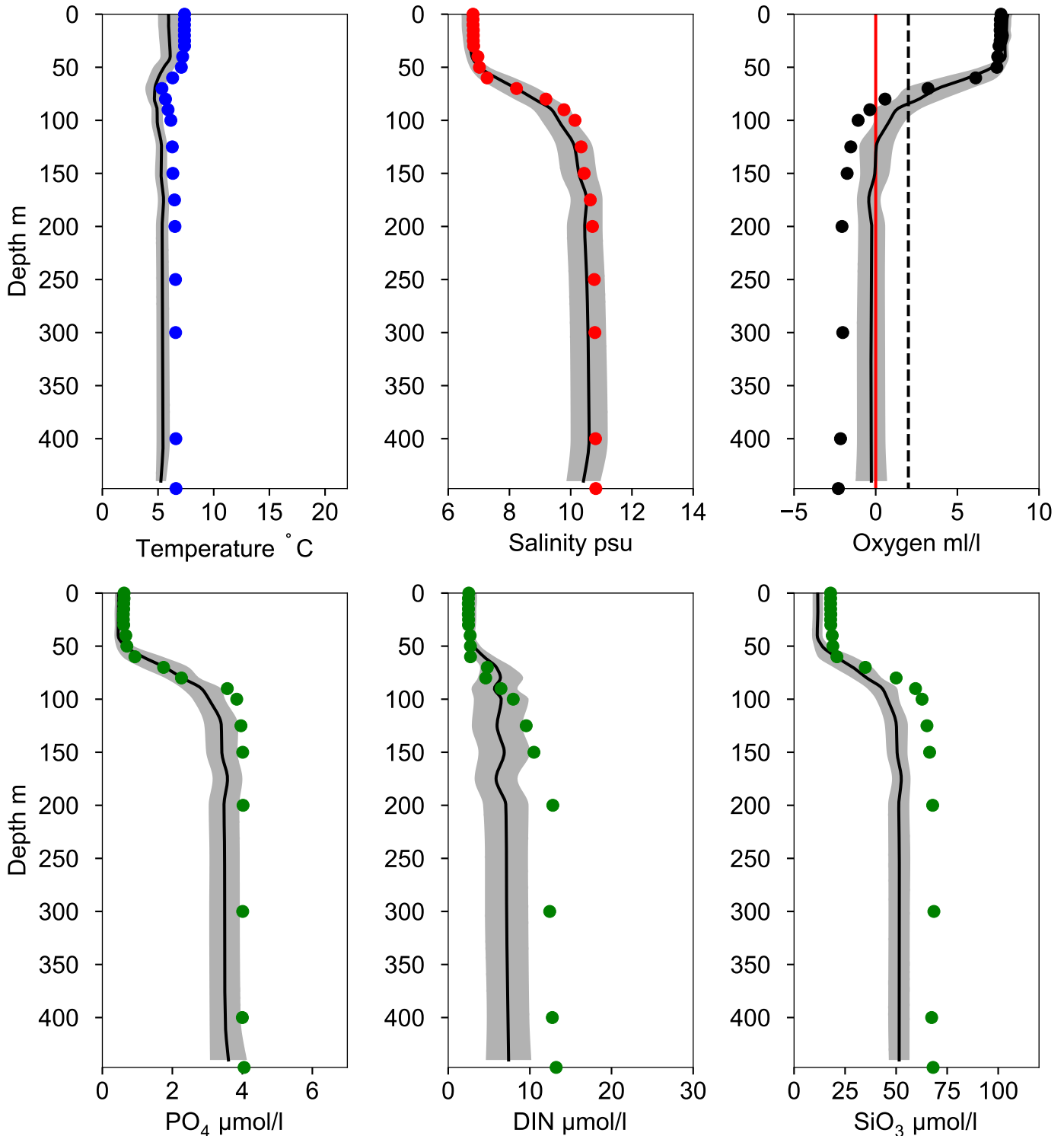


OXYGEN IN BOTTOM WATER (depth >= 419 m)



Vertical profiles BY31 LANDSORTSDJ December

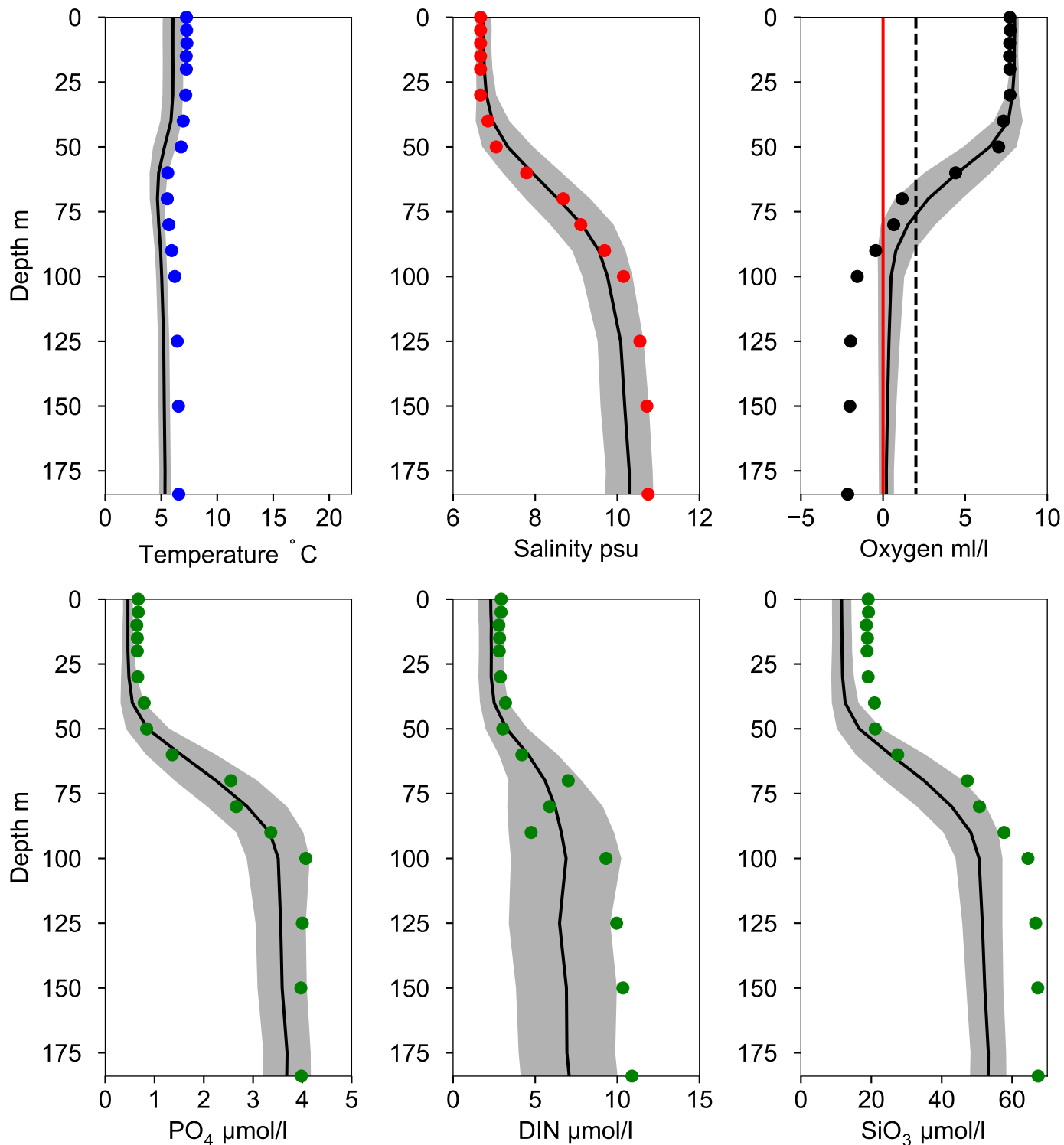
— Mean 1991-2020 St.Dev. ● 2025-12-05



Vertical profiles BY30 December

Statistics based on data from: Västra Gotlandshavet

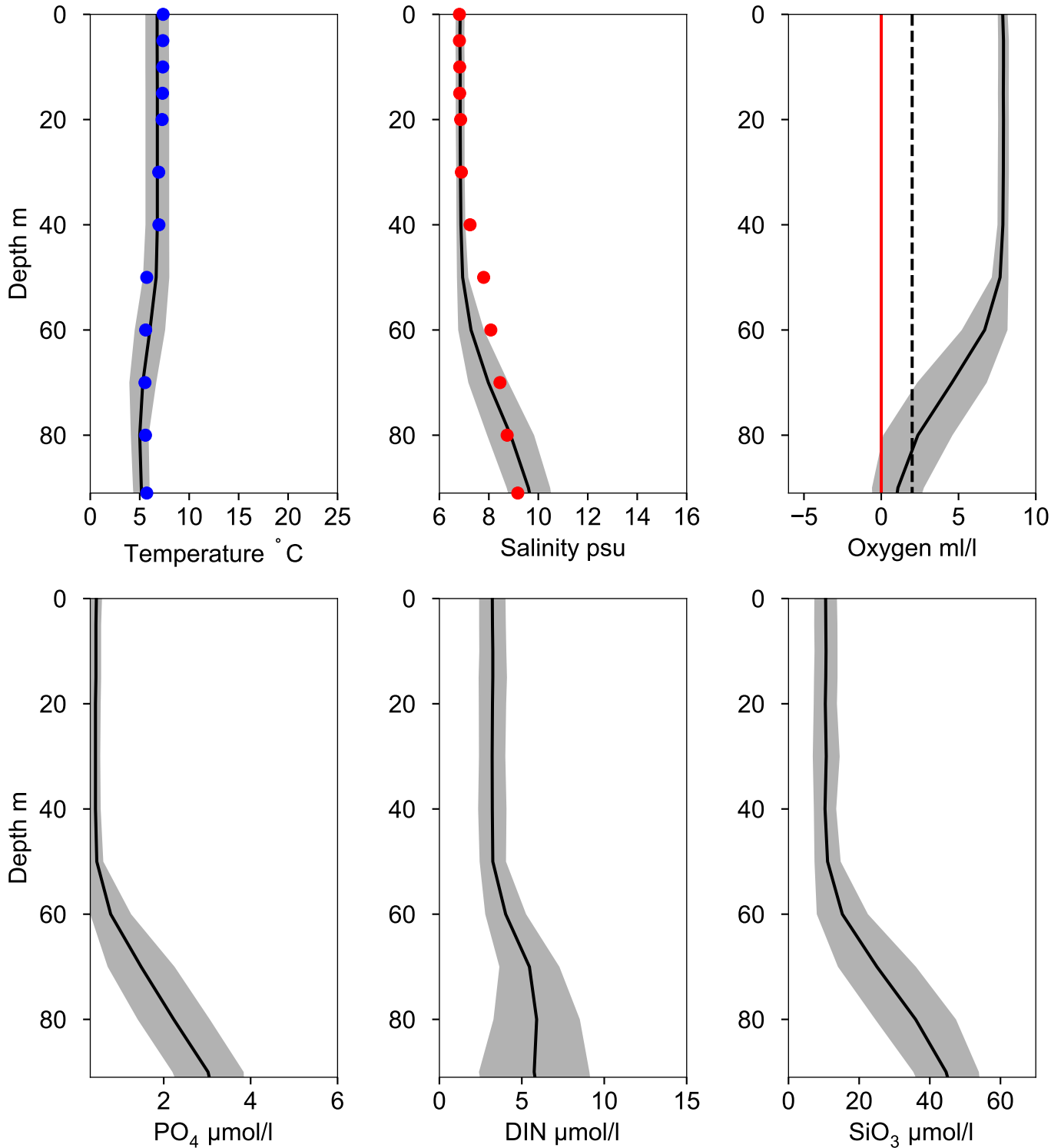
— Mean 1991-2020 St.Dev. ● 2025-12-05



Vertical profiles HUVUDSKÄR December

Statistics based on data from: Norra Egentliga Östersjön

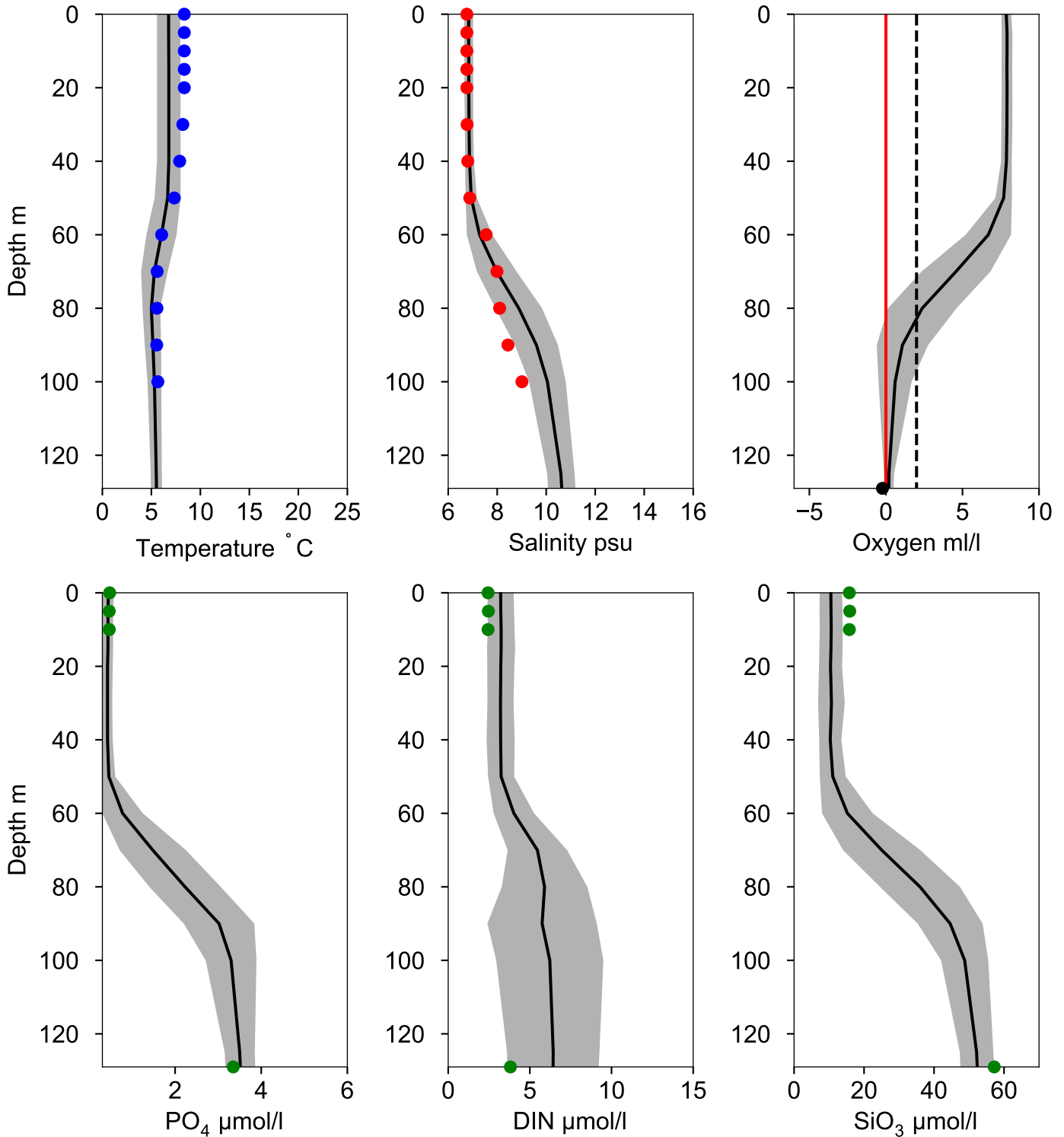
— Mean 1991-2020 ■ St.Dev. ● 2025-12-06



Vertical profiles 10E ALMAGRUNDET December

Statistics based on data from: Norra Egentliga Östersjön

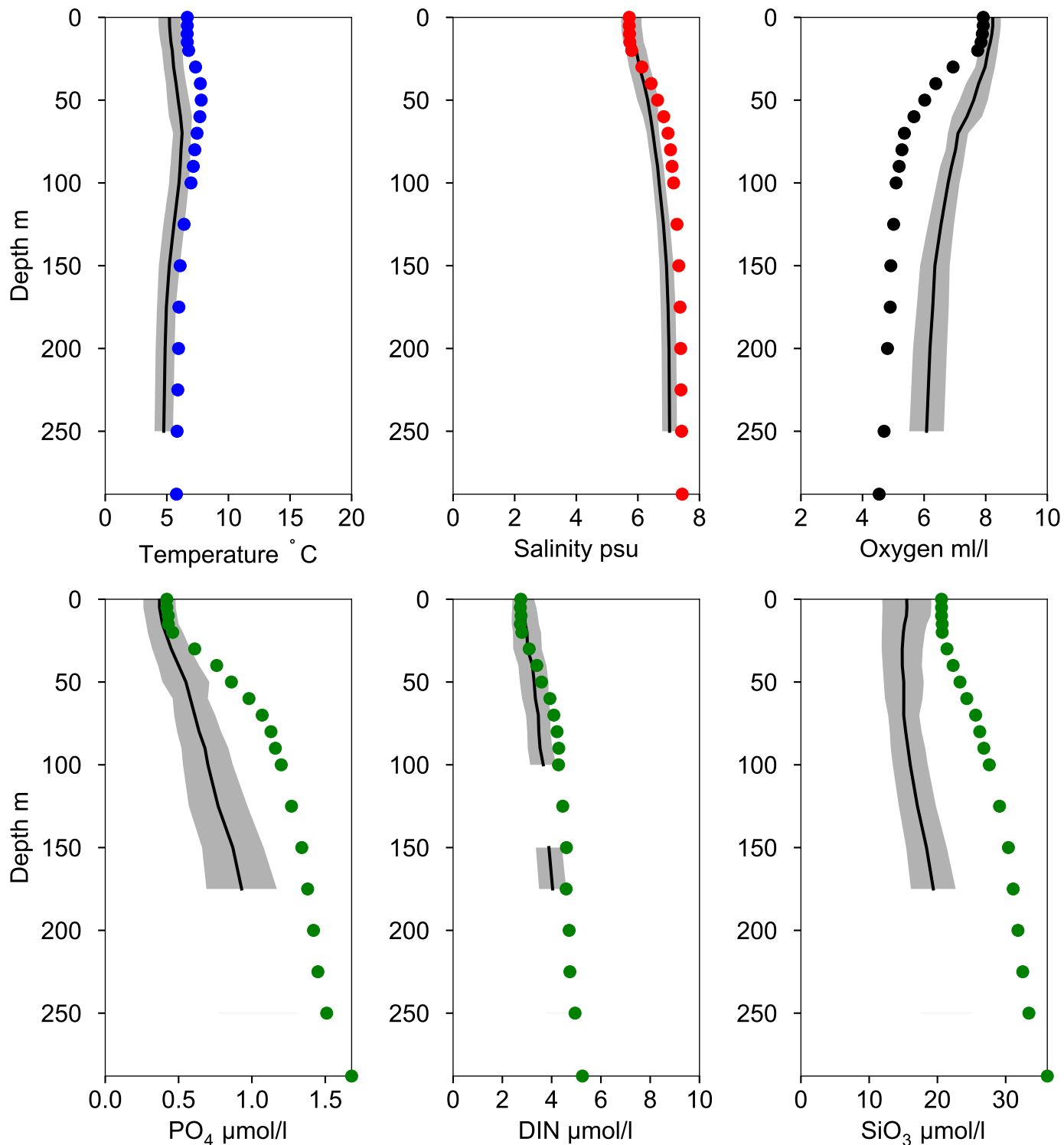
— Mean 1991-2020 St.Dev. ● 2025-12-06



Vertical profiles F64 SOLOVJEVA December

Statistics based on data from: Ålands hav

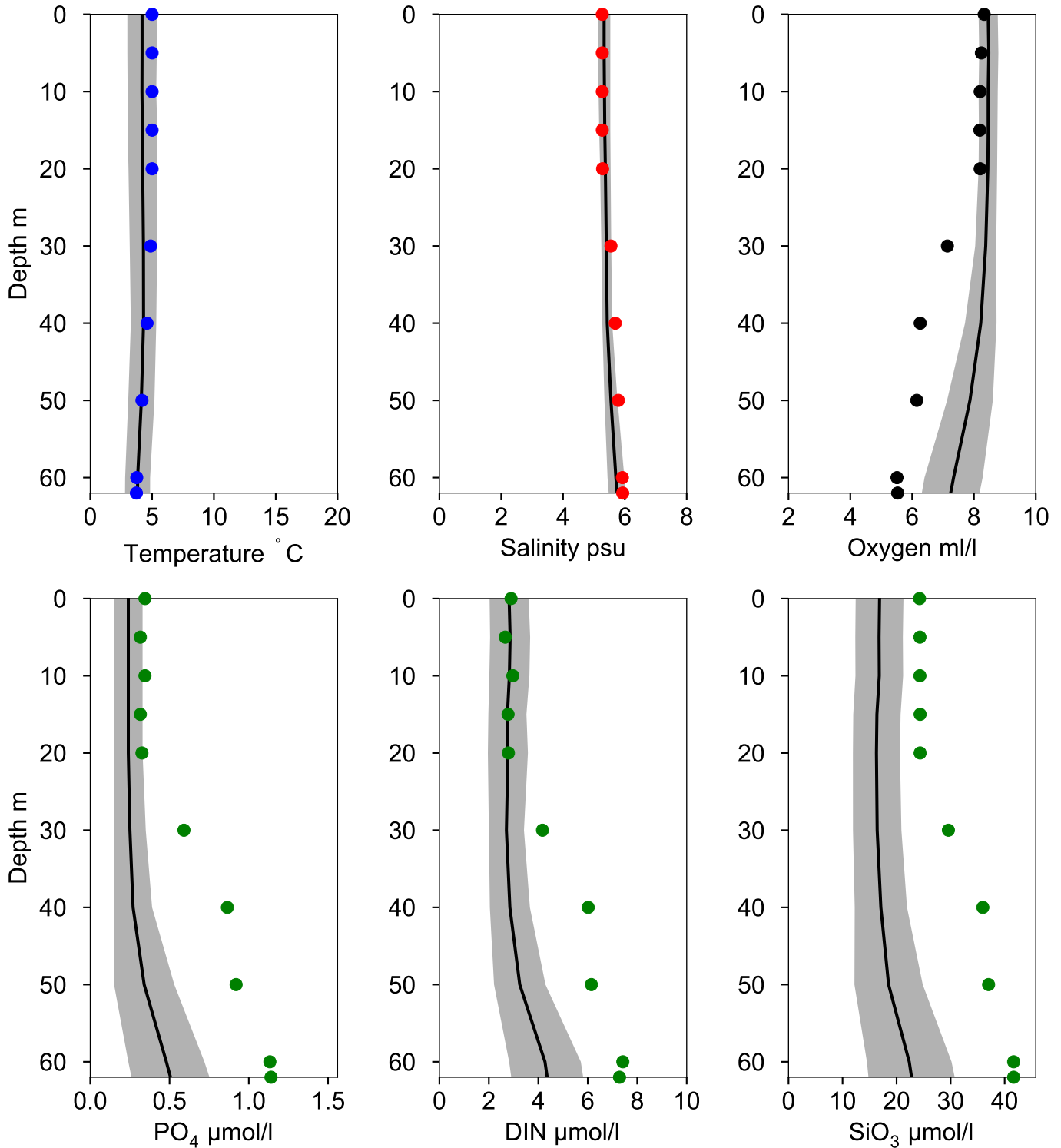
— Mean 1991-2020 St.Dev. ● 2025-12-06



Vertical profiles SR1A/C11 December

Statistics based on data from: Bottenhavet

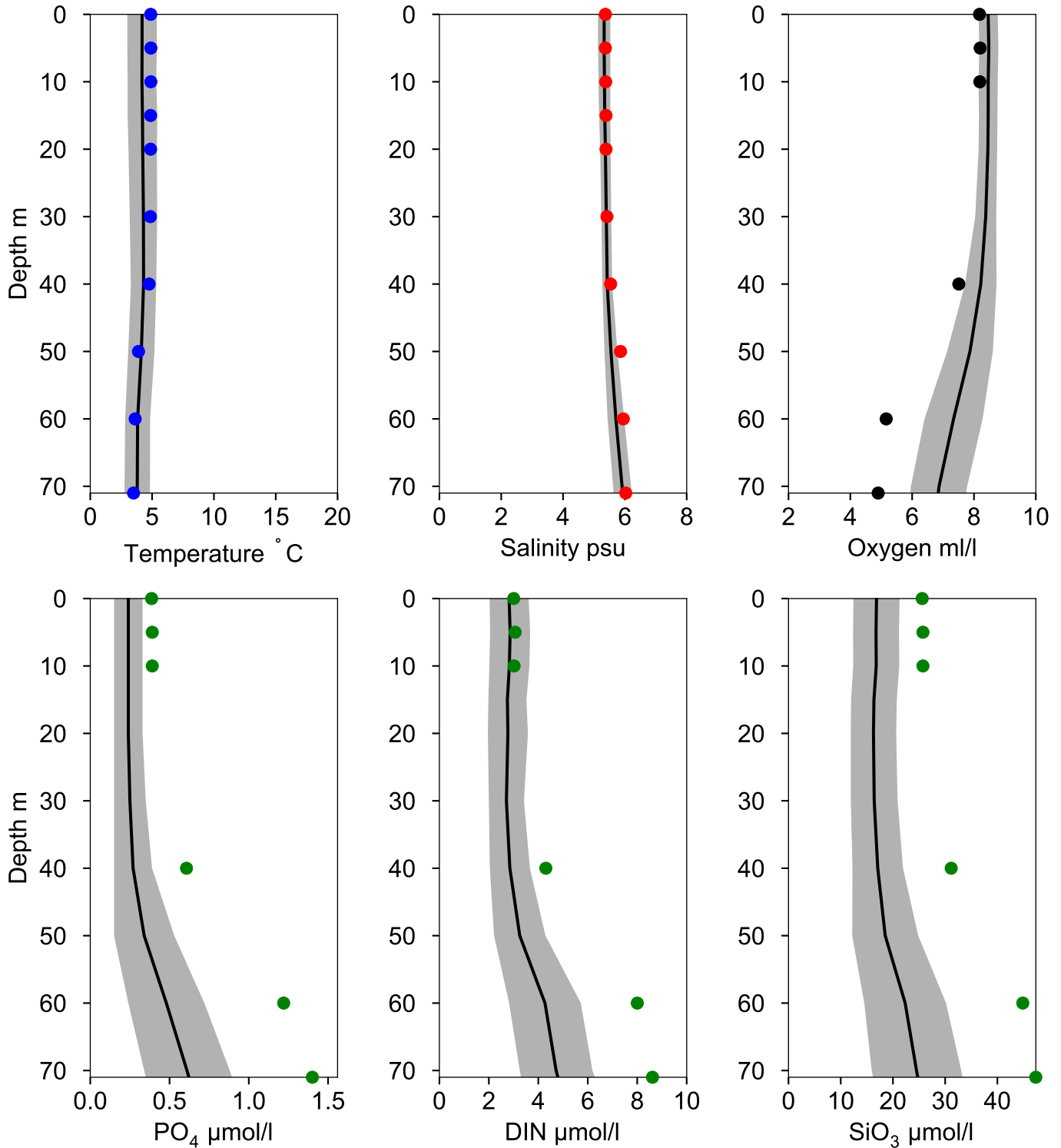
— Mean 1991-2020 St.Dev. ● 2025-12-07



Vertical profiles SR3/C24 December

Statistics based on data from: Bottenhavet

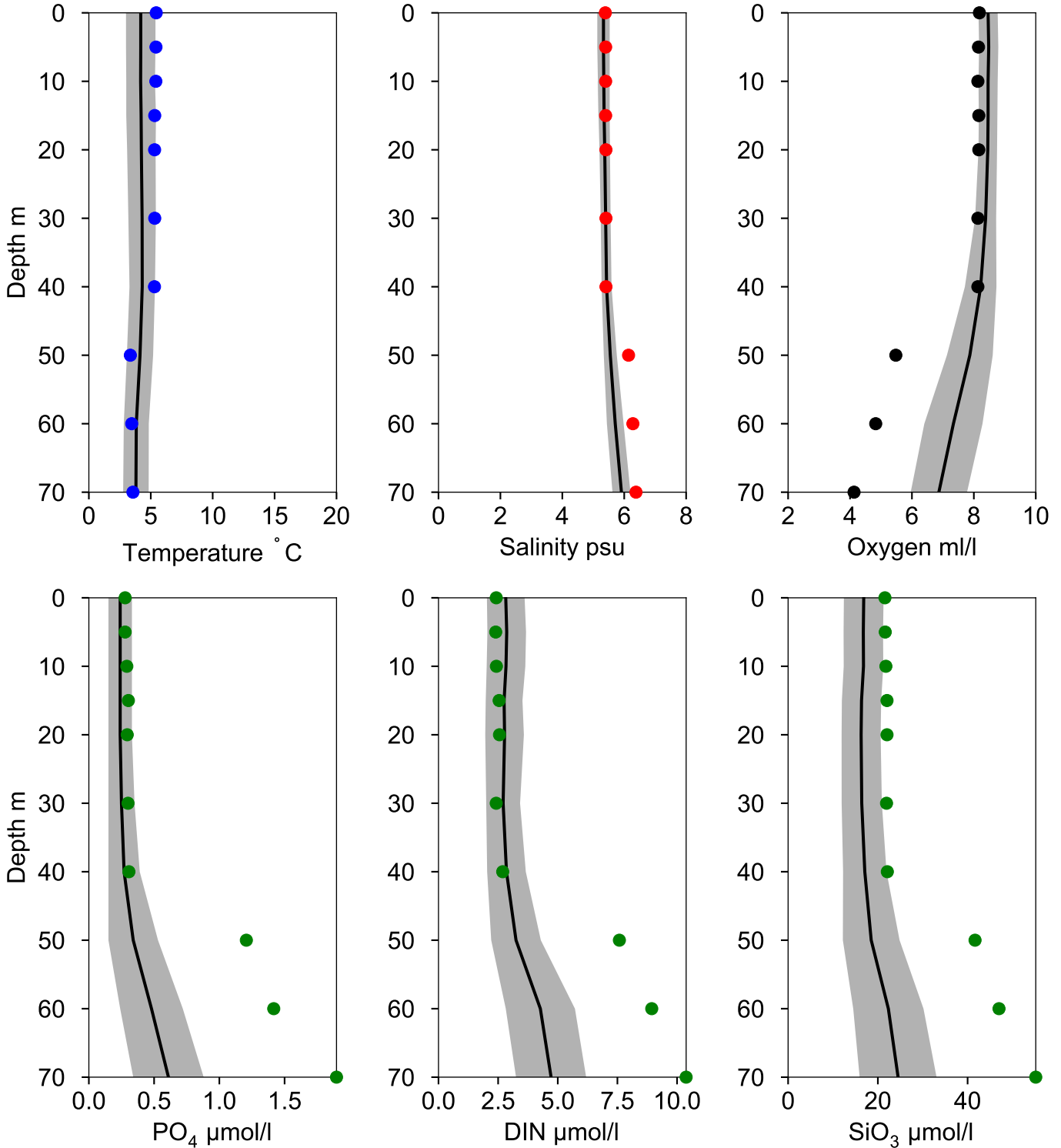
— Mean 1991-2020 ■ St.Dev. ● 2025-12-07



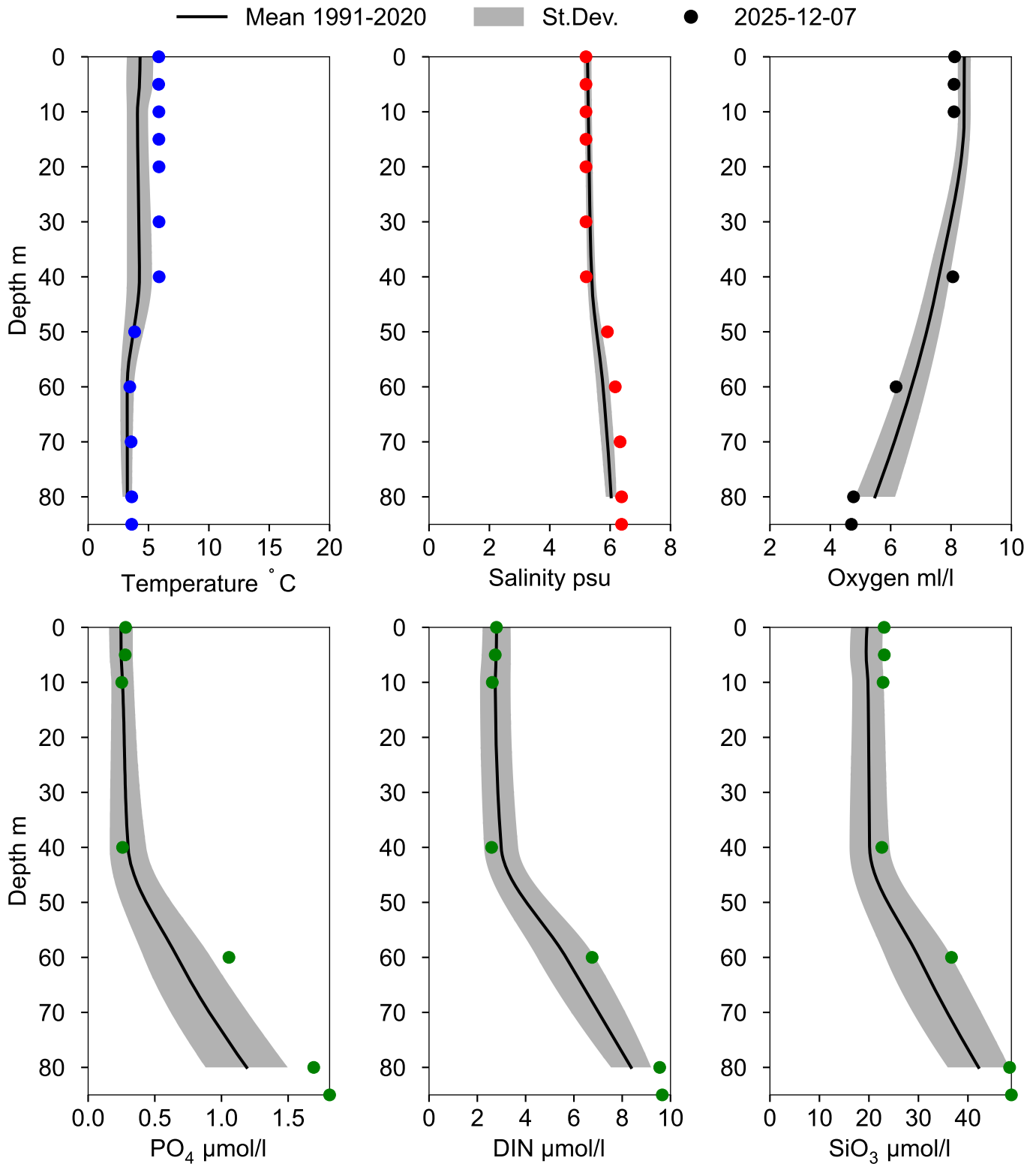
Vertical profiles MS6 December

Statistics based on data from: Bottenhavet

— Mean 1991-2020 ■ St.Dev. ● 2025-12-07



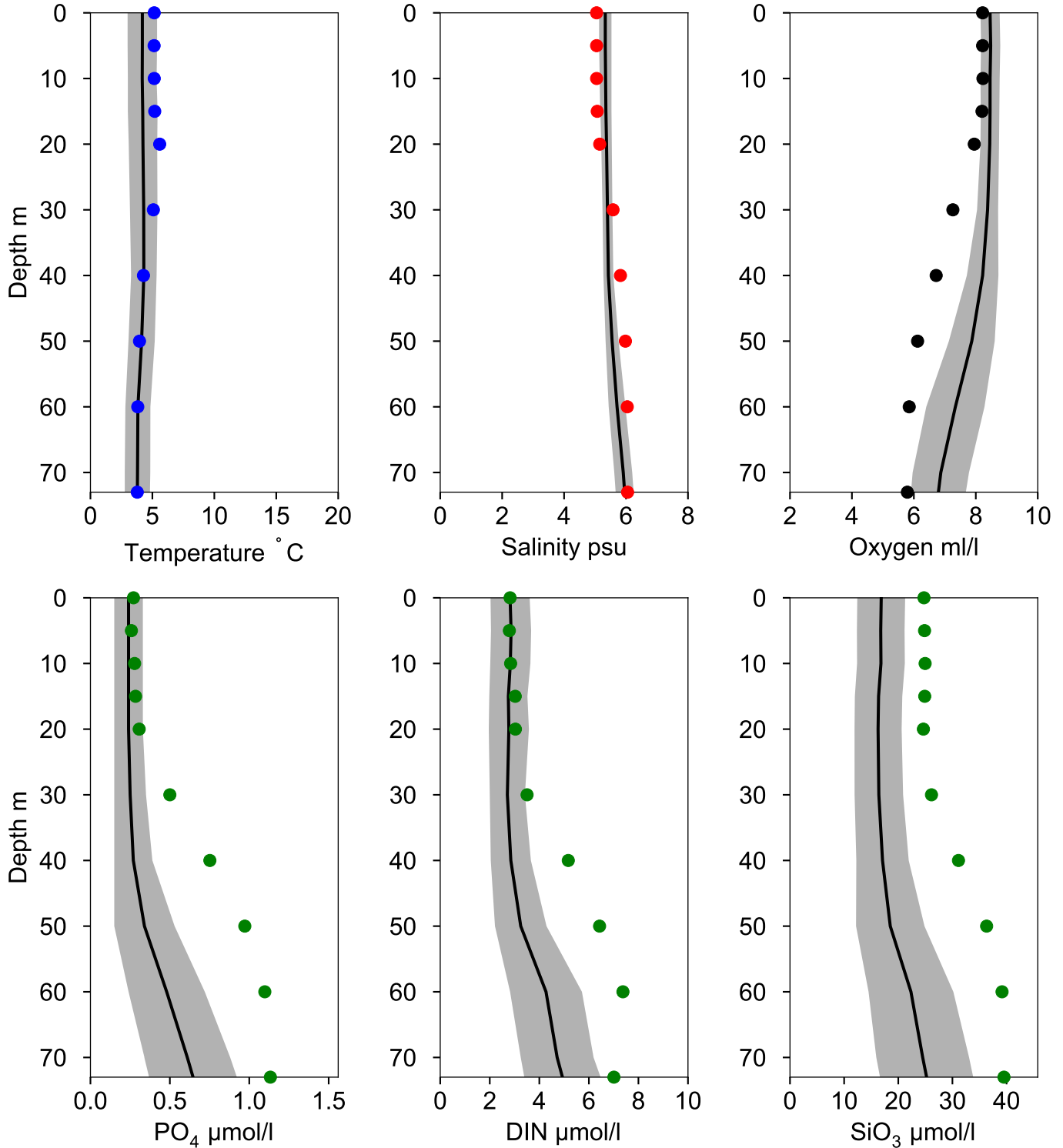
Vertical profiles MS4 / C14 December



Vertical profiles MS2/C13 December

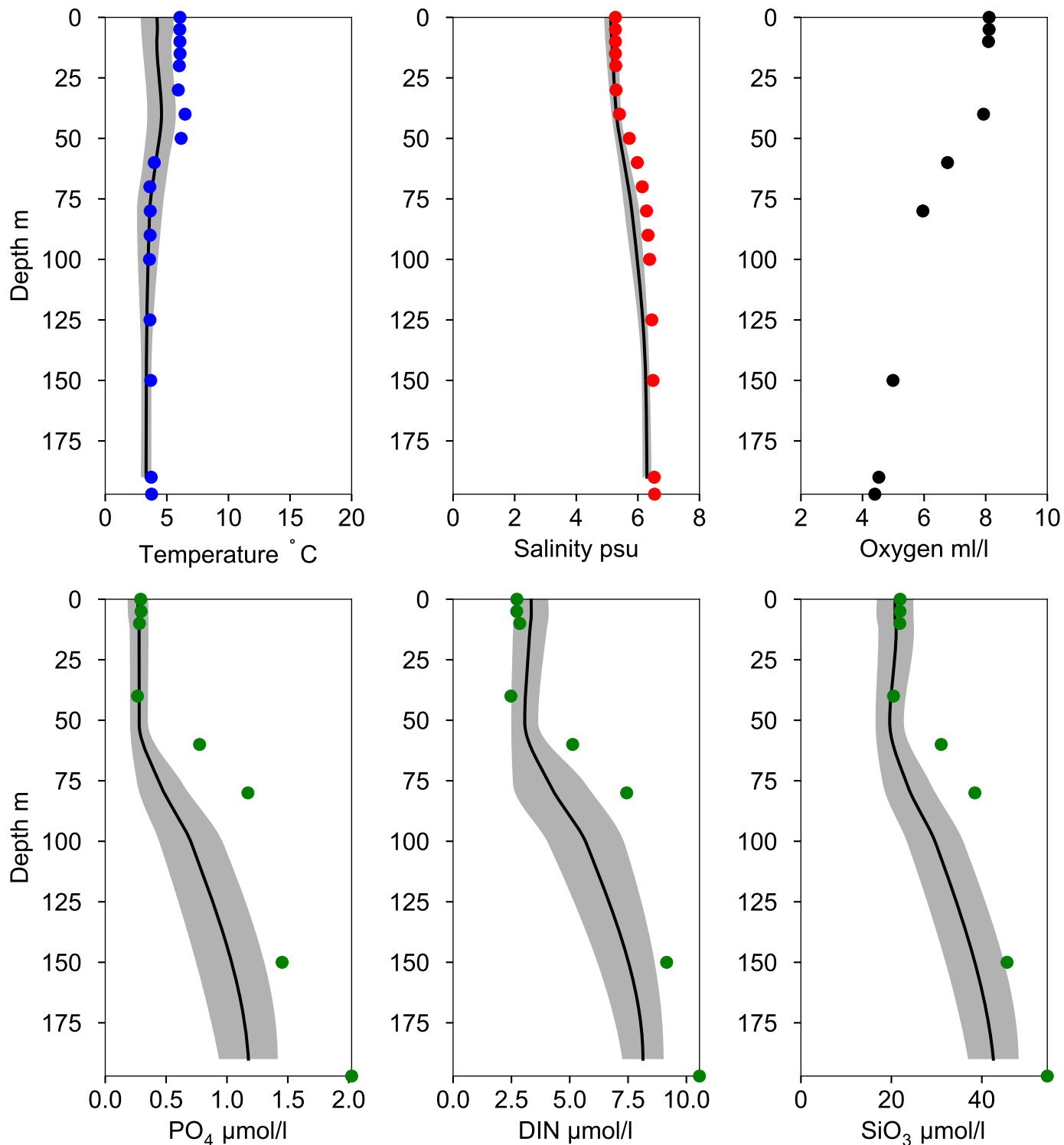
Statistics based on data from: Bottenhavet

— Mean 1991-2020 ■ St.Dev. ● 2025-12-07

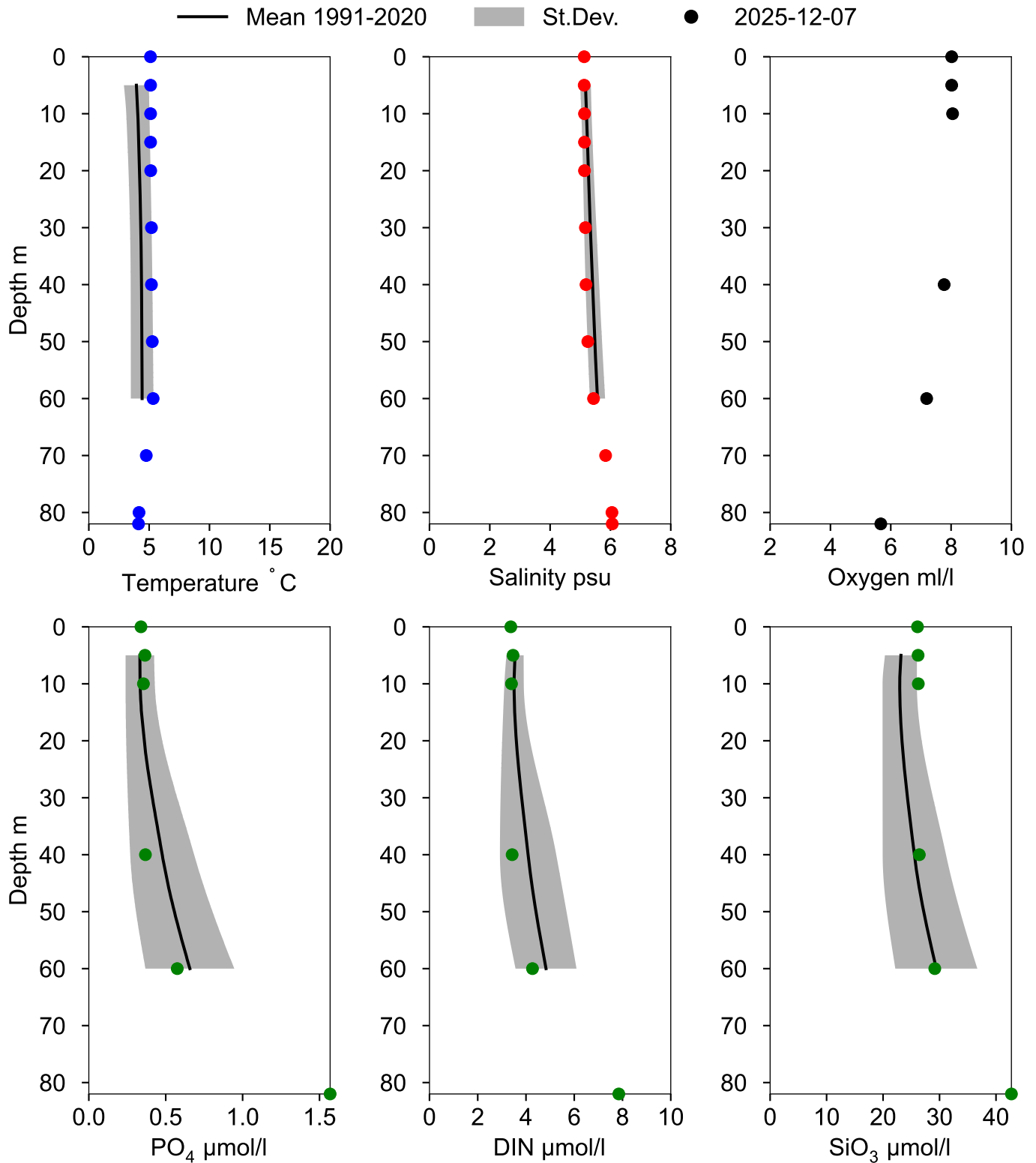


Vertical profiles C3 December

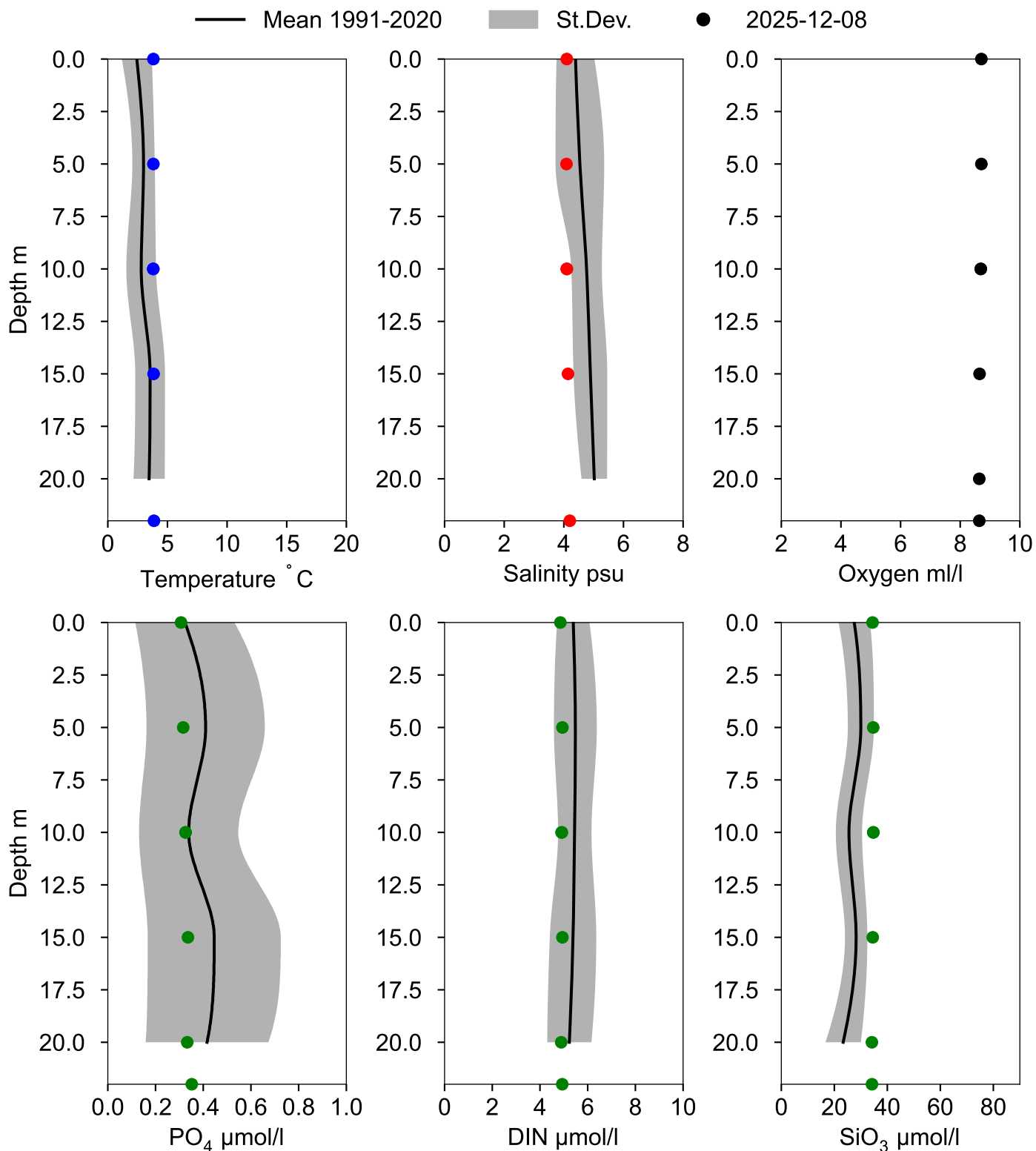
— Mean 1991-2020 ■ St.Dev. ● 2025-12-07



Vertical profiles GAVIK-1 December



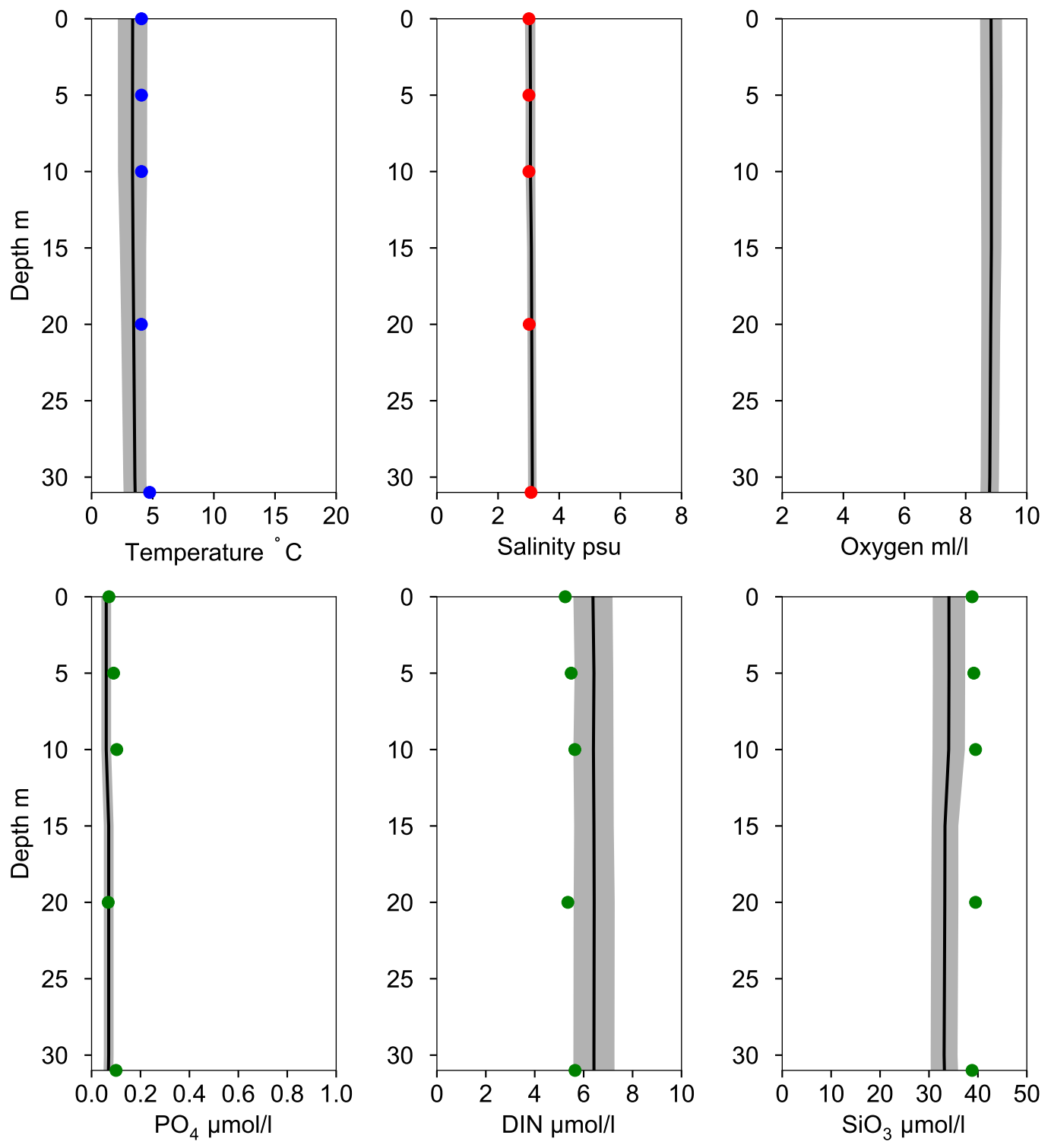
Vertical profiles NB1 / B3 December



Vertical profiles NK1 December

Statistics based on data from: Bottenviken

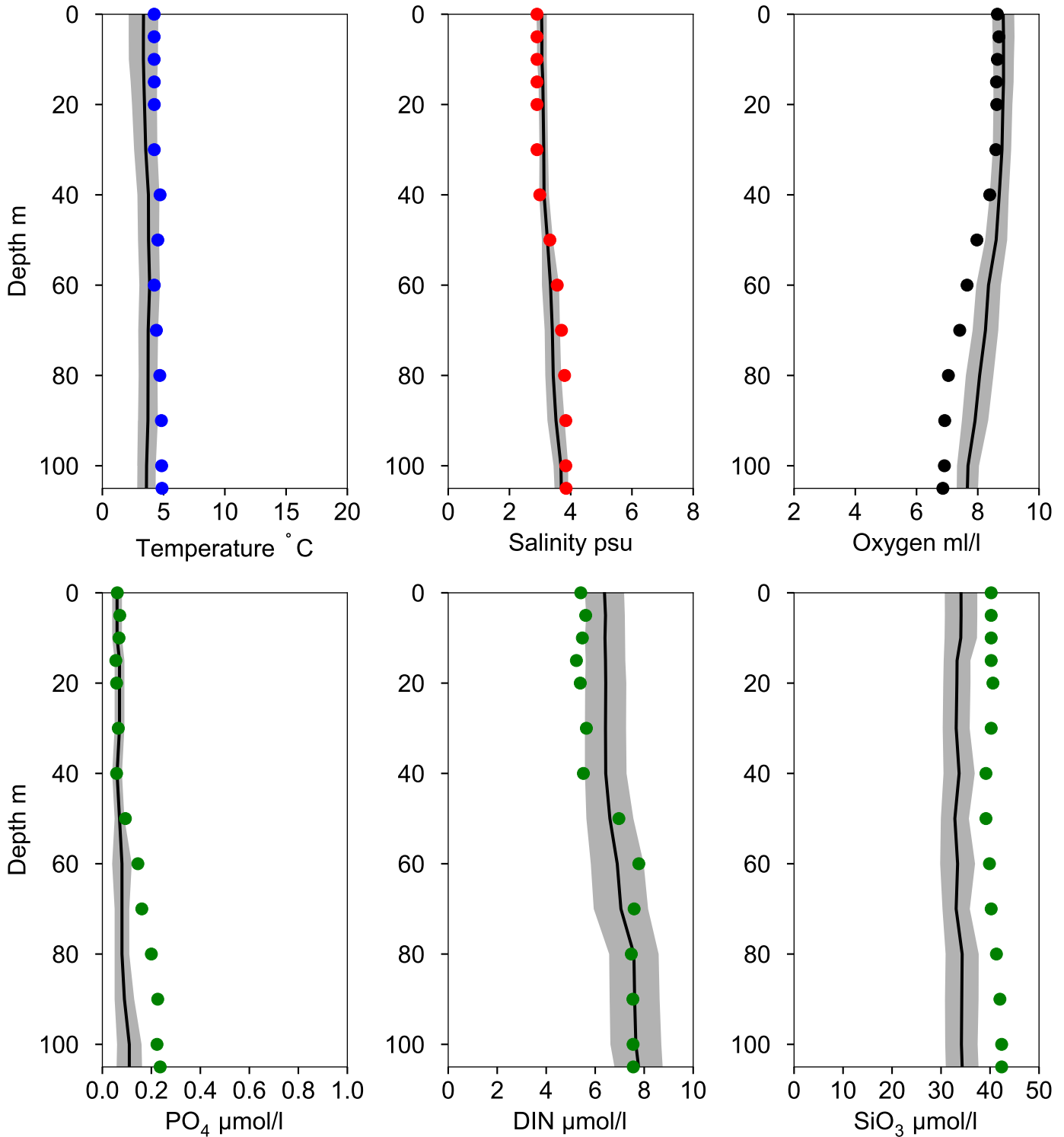
— Mean 1991-2020 ■ St.Dev. ● 2025-12-08



Vertical profiles BO3 / A3 December

Statistics based on data from: Bottenviken

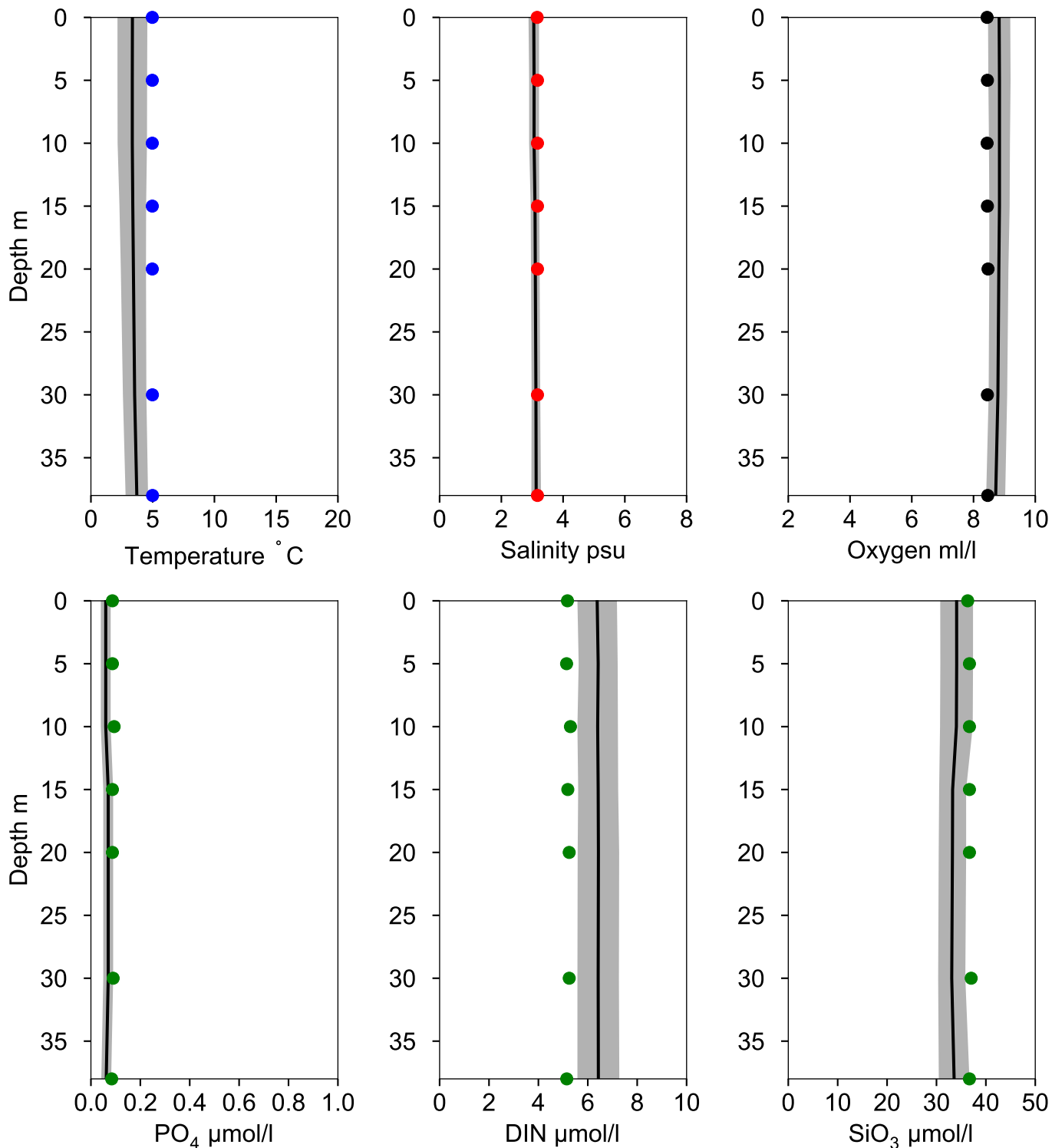
— Mean 1991-2020 ■ St.Dev. ● 2025-12-08



Vertical profiles RR7 December

Statistics based on data from: Bottenviken

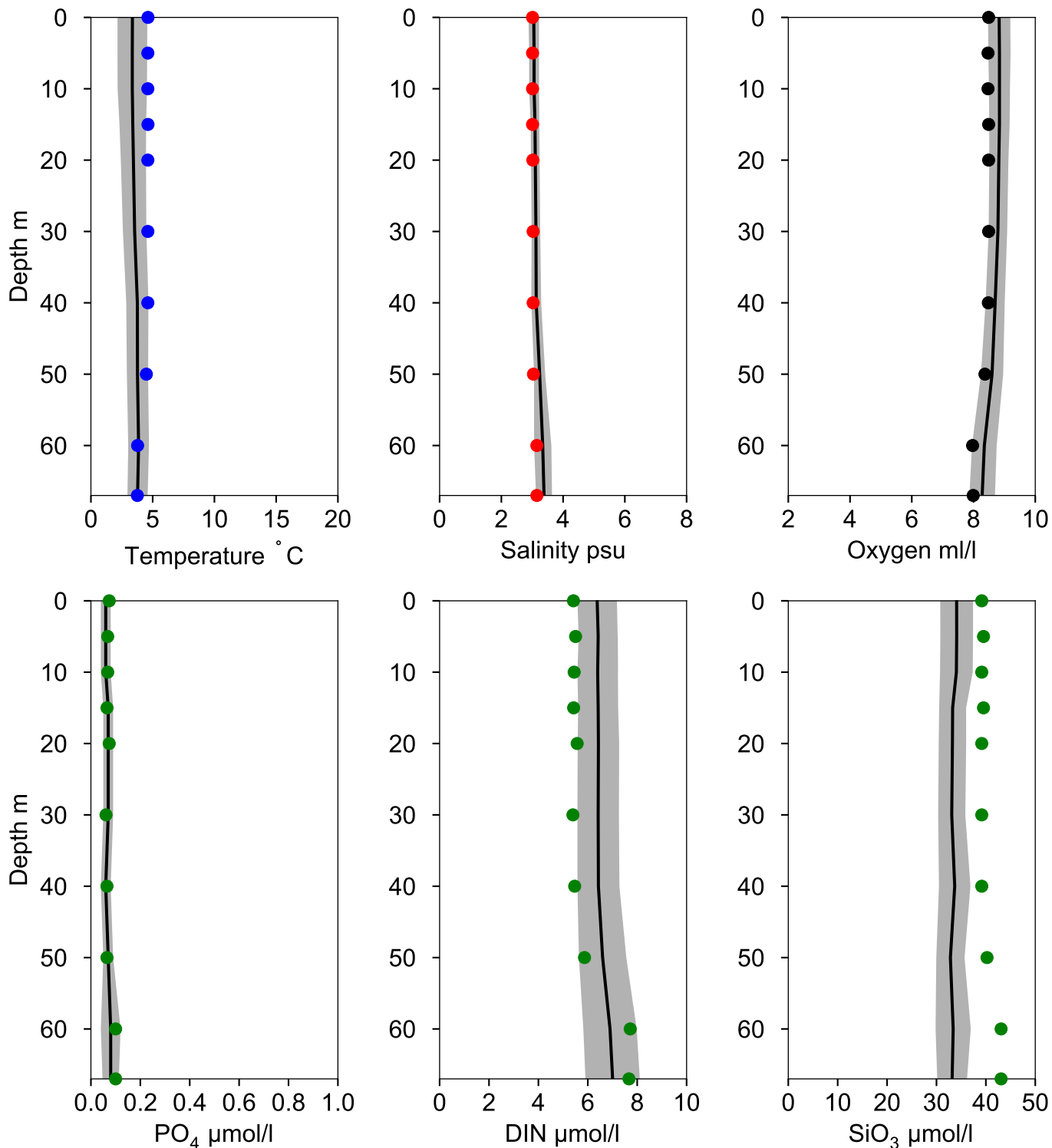
— Mean 1991-2020 ■ St.Dev. ● 2025-12-08



Vertical profiles RR5 December

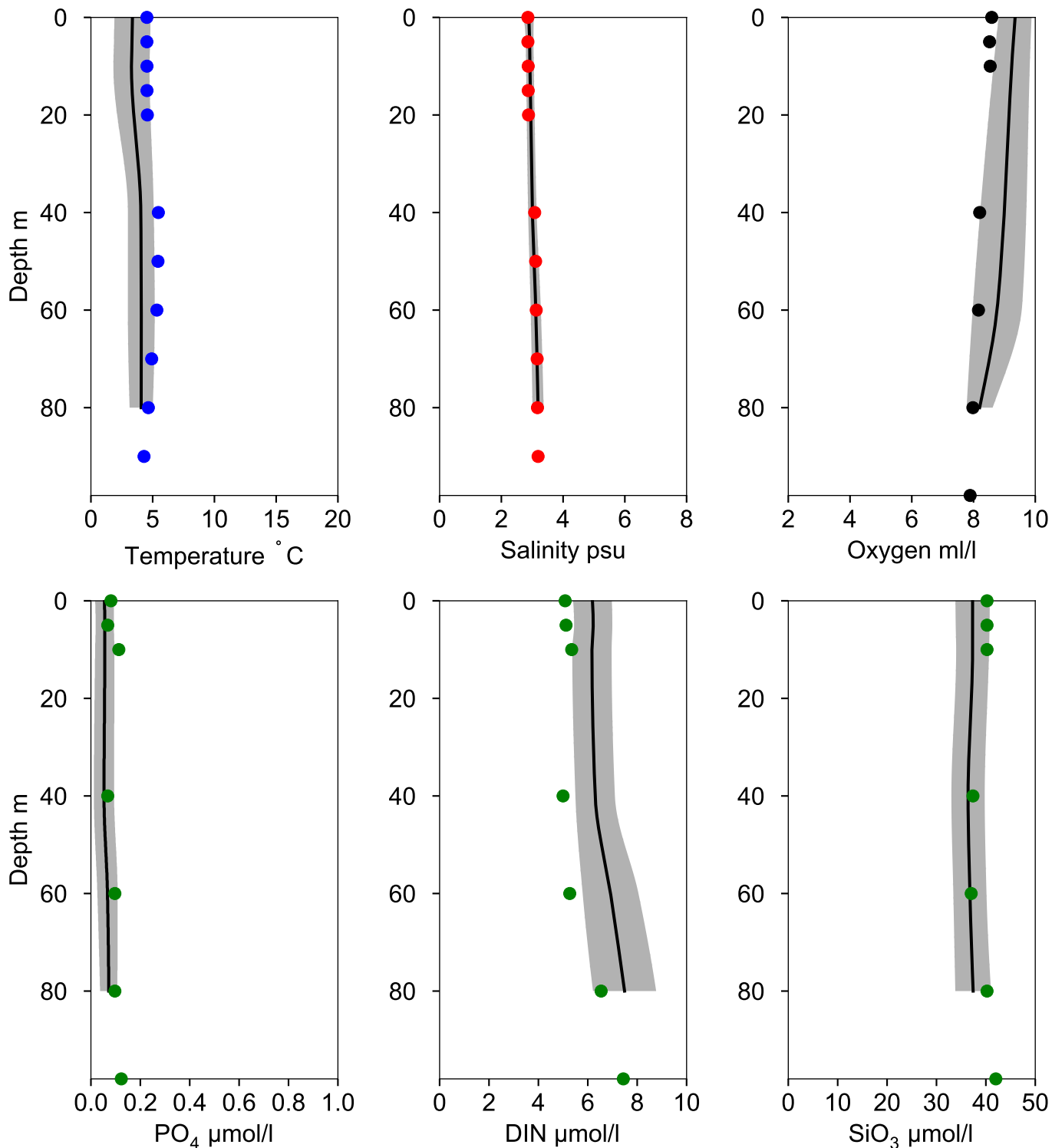
Statistics based on data from: Bottenviken

— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles F3 / A5 December

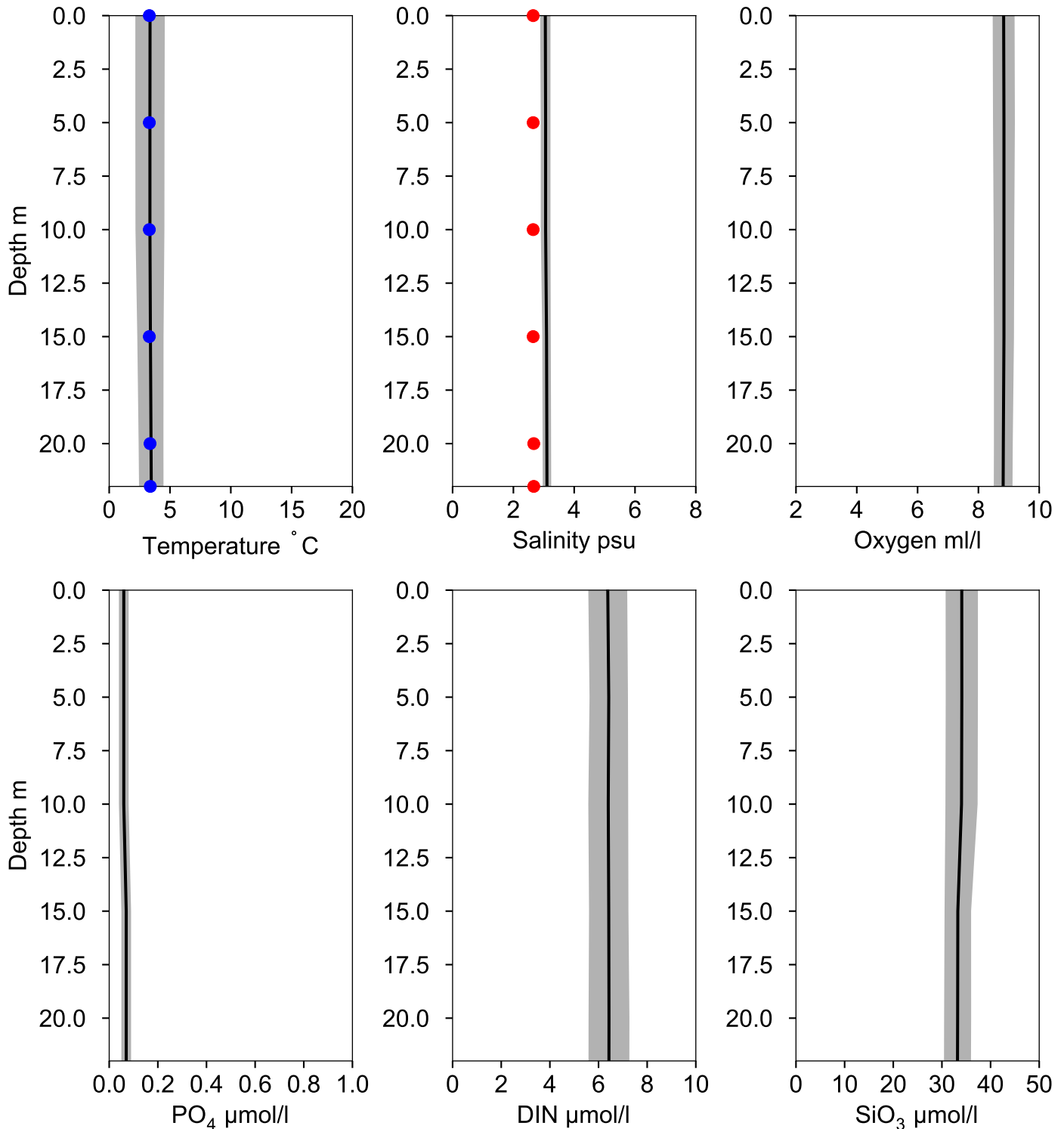
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles FALKENS GRUND - FALKENICE ADCP December

Statistics based on data from: Bottenviken

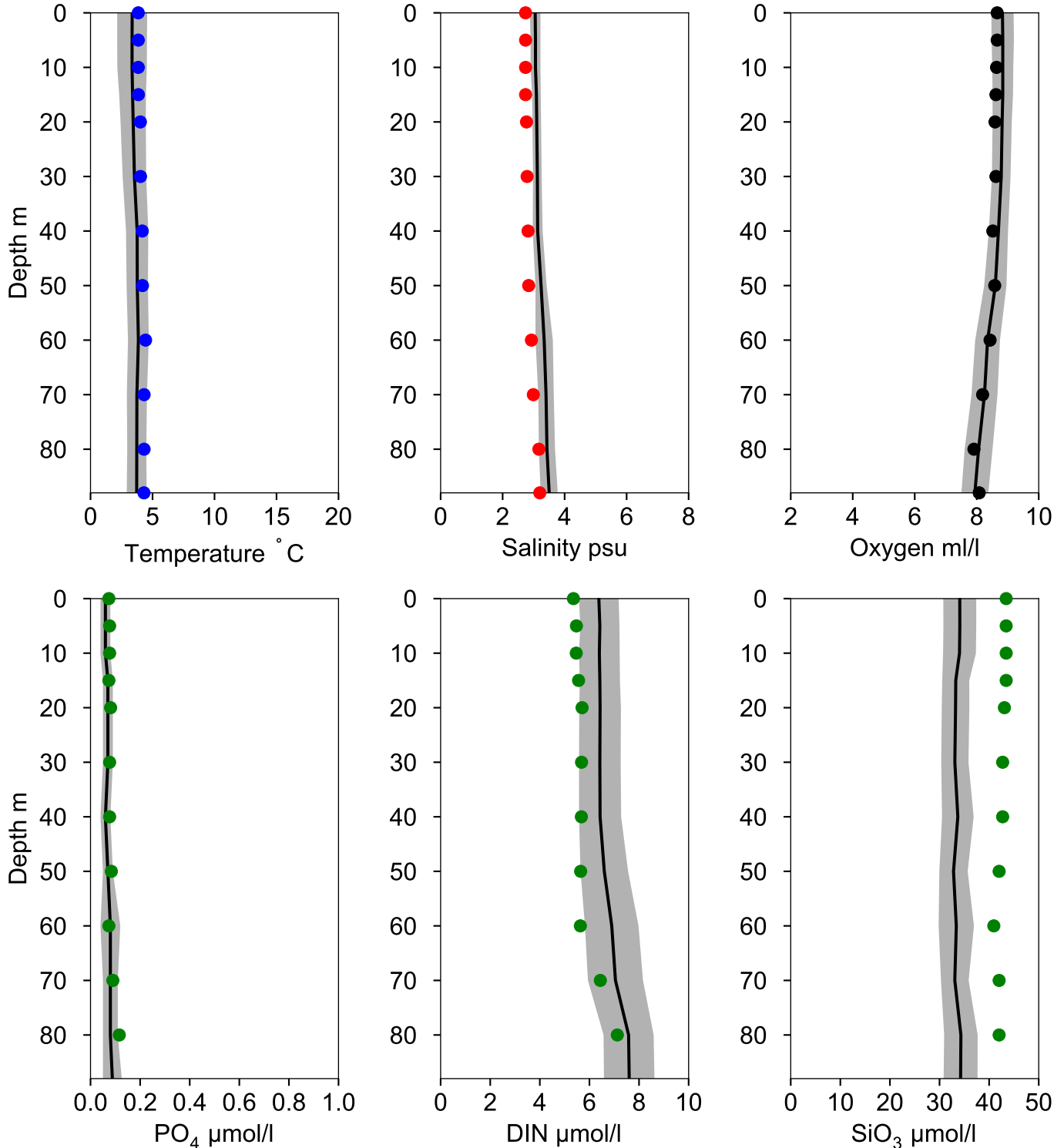
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles RR1/A8 December

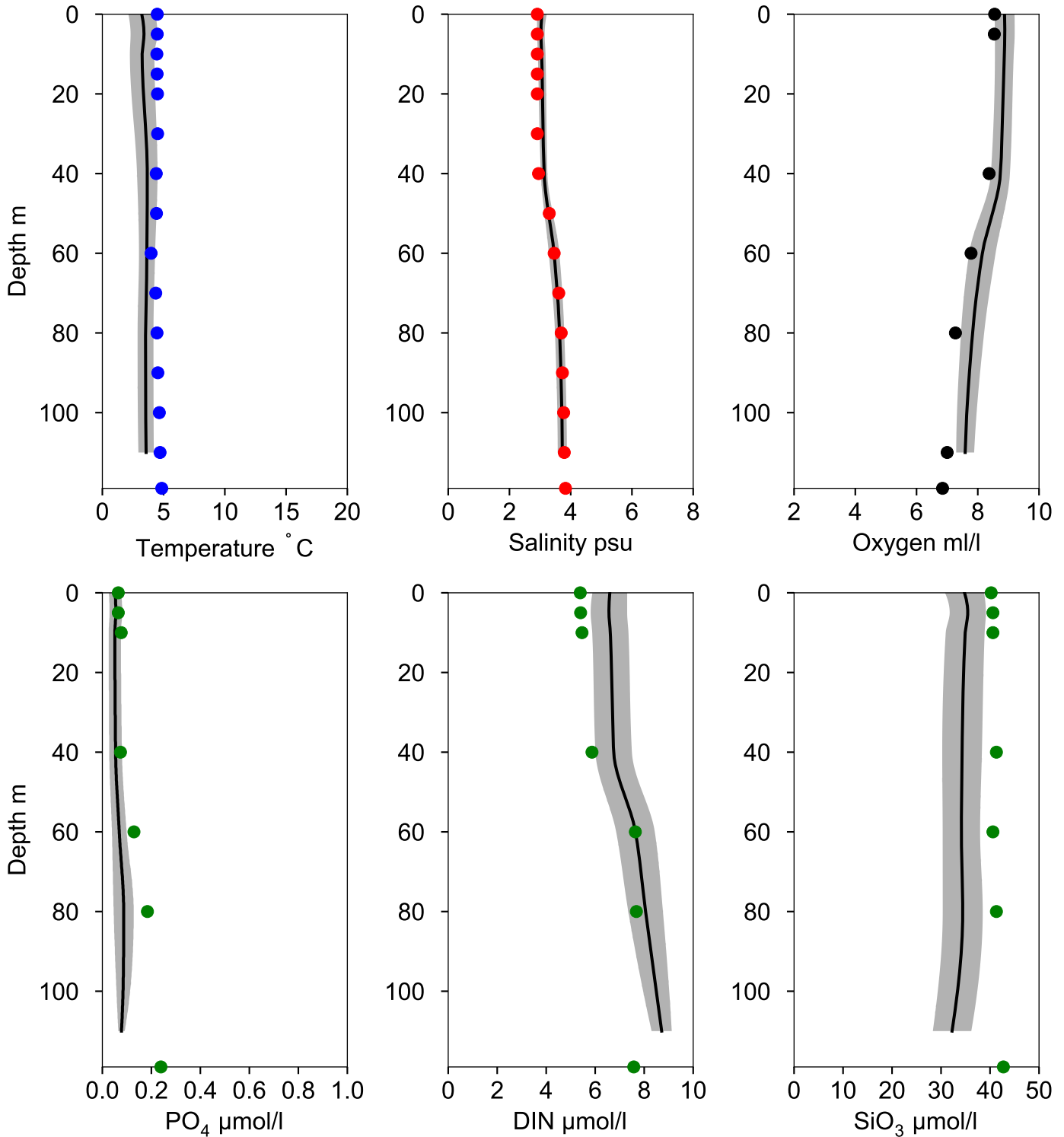
Statistics based on data from: Bottenviken

— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles F9 / A13 December

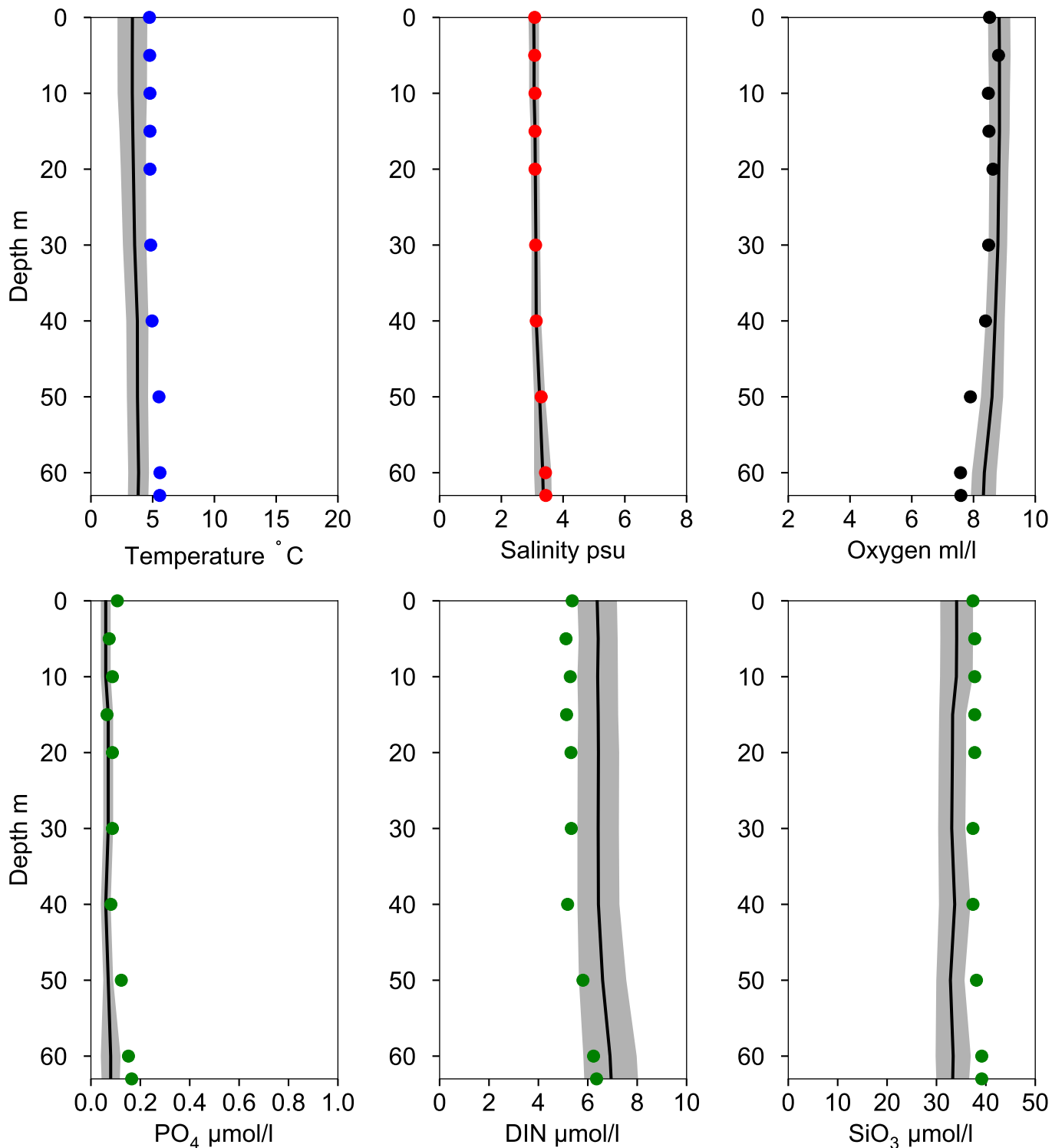
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles F13/A19 December

Statistics based on data from: Bottenviken

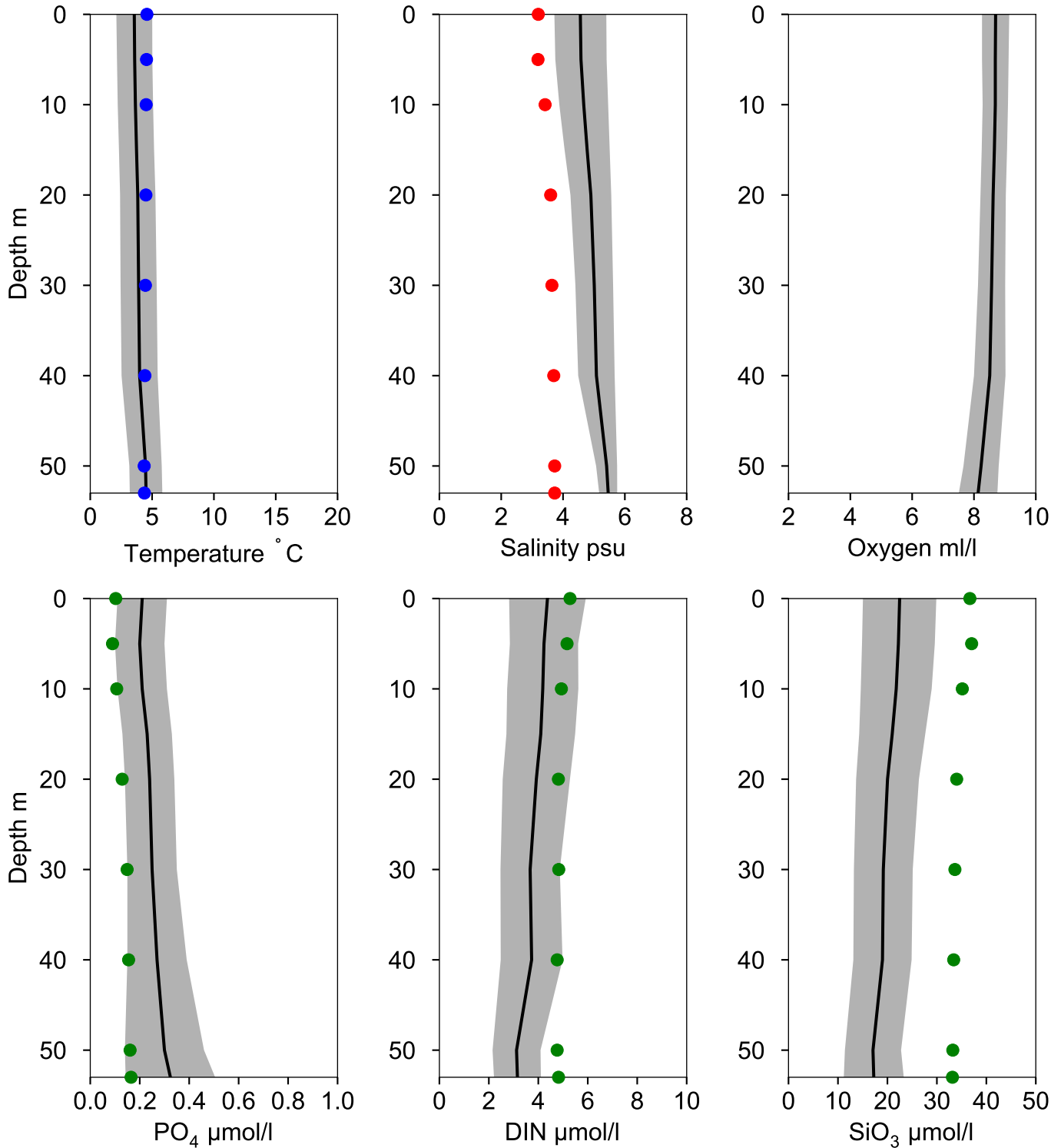
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles OK3 December

Statistics based on data from: Norra Kvarken

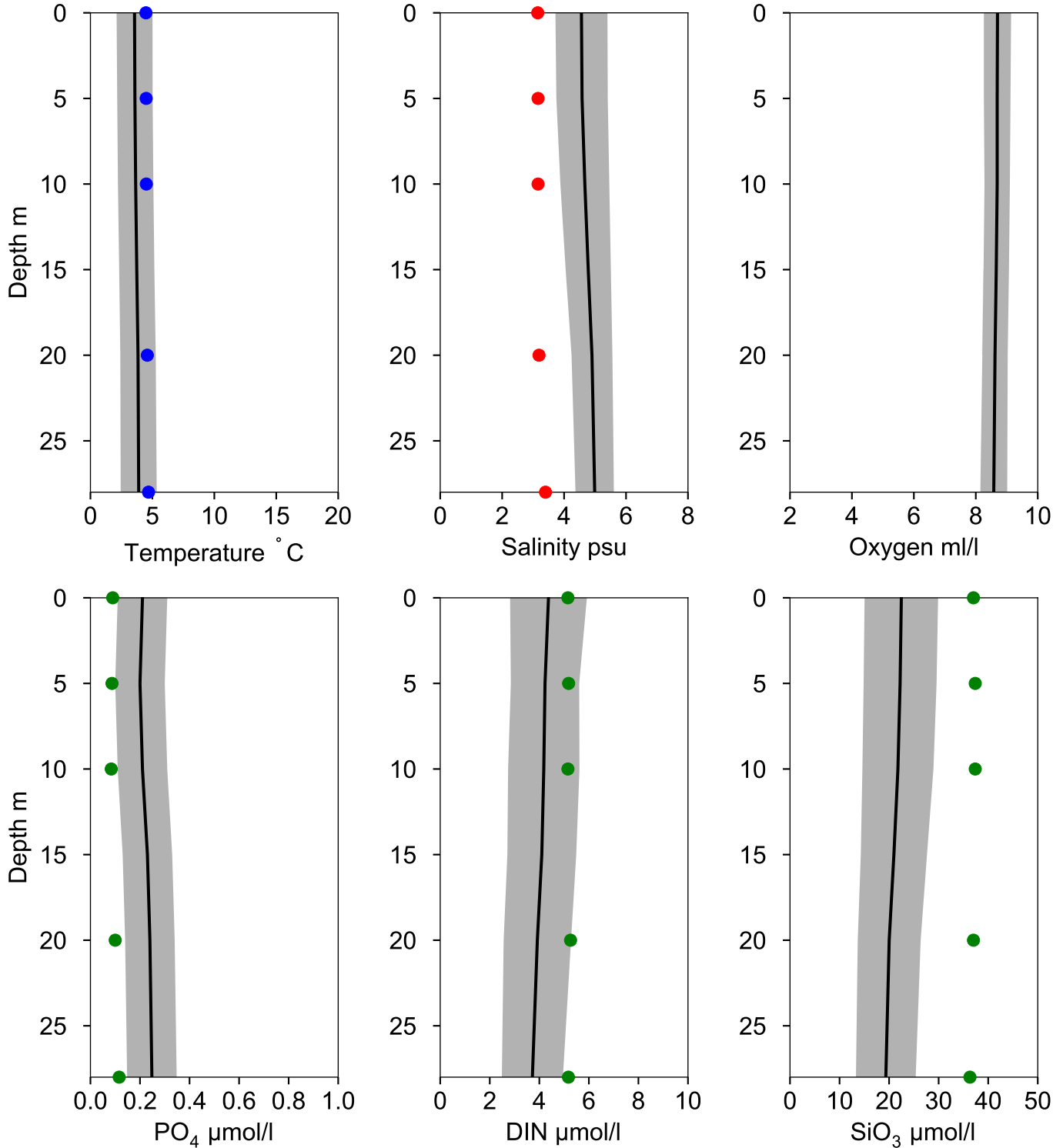
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles OK2 December

Statistics based on data from: Norra Kvarken

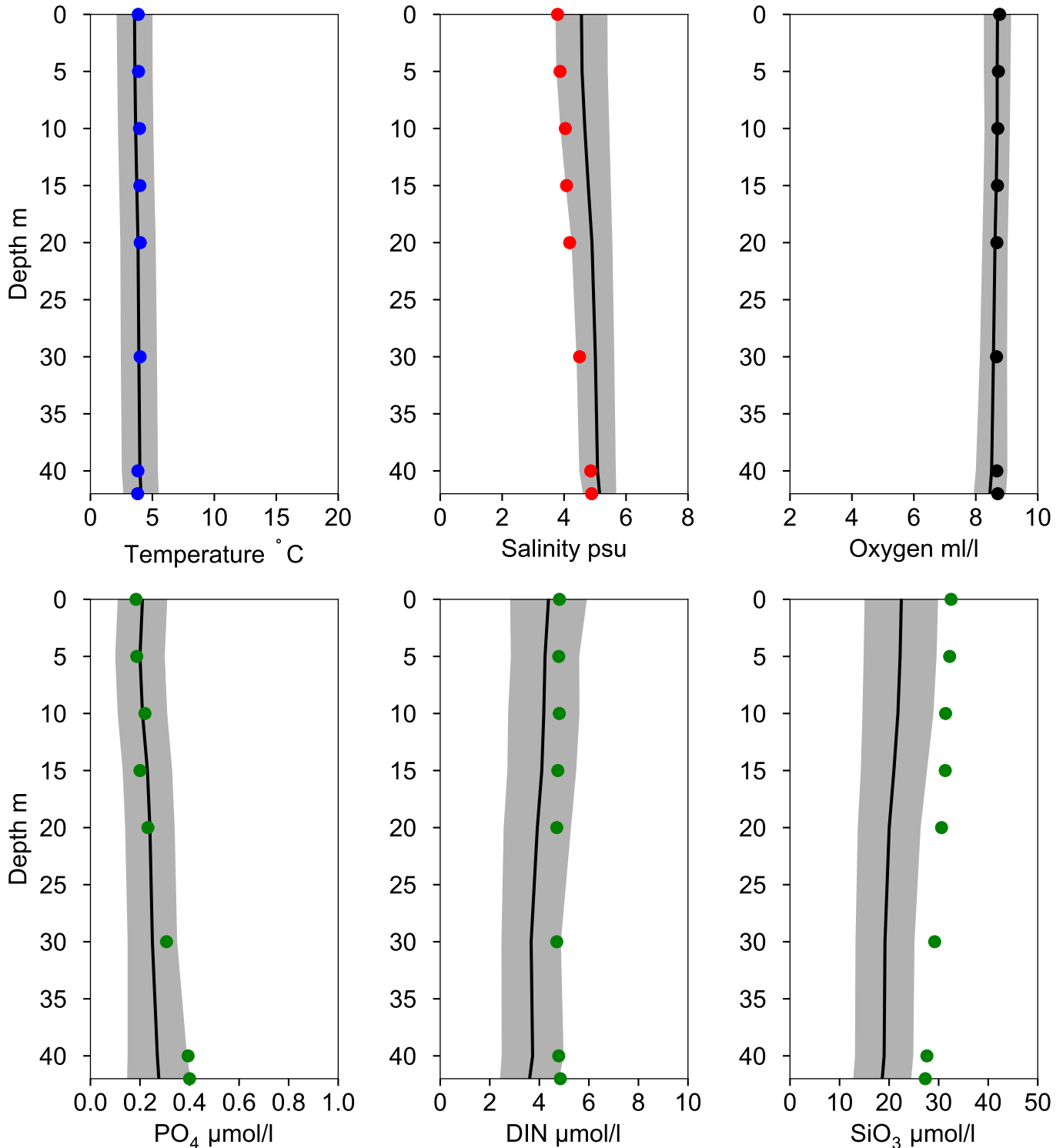
— Mean 1991-2020 ■ St.Dev. ● 2025-12-09



Vertical profiles F16 December

Statistics based on data from: Norra Kvarken

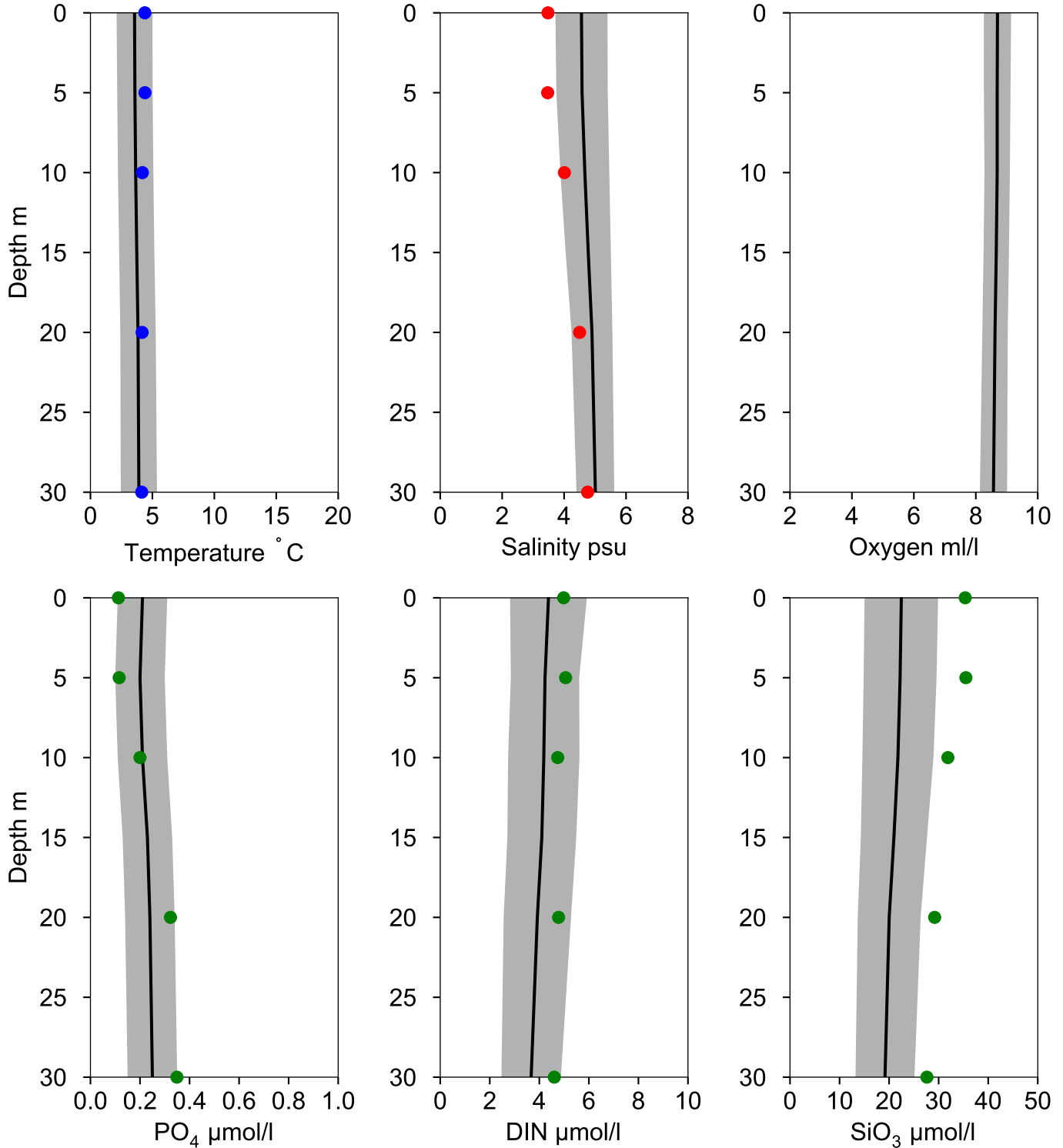
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles OK1 December

Statistics based on data from: Norra Kvarken

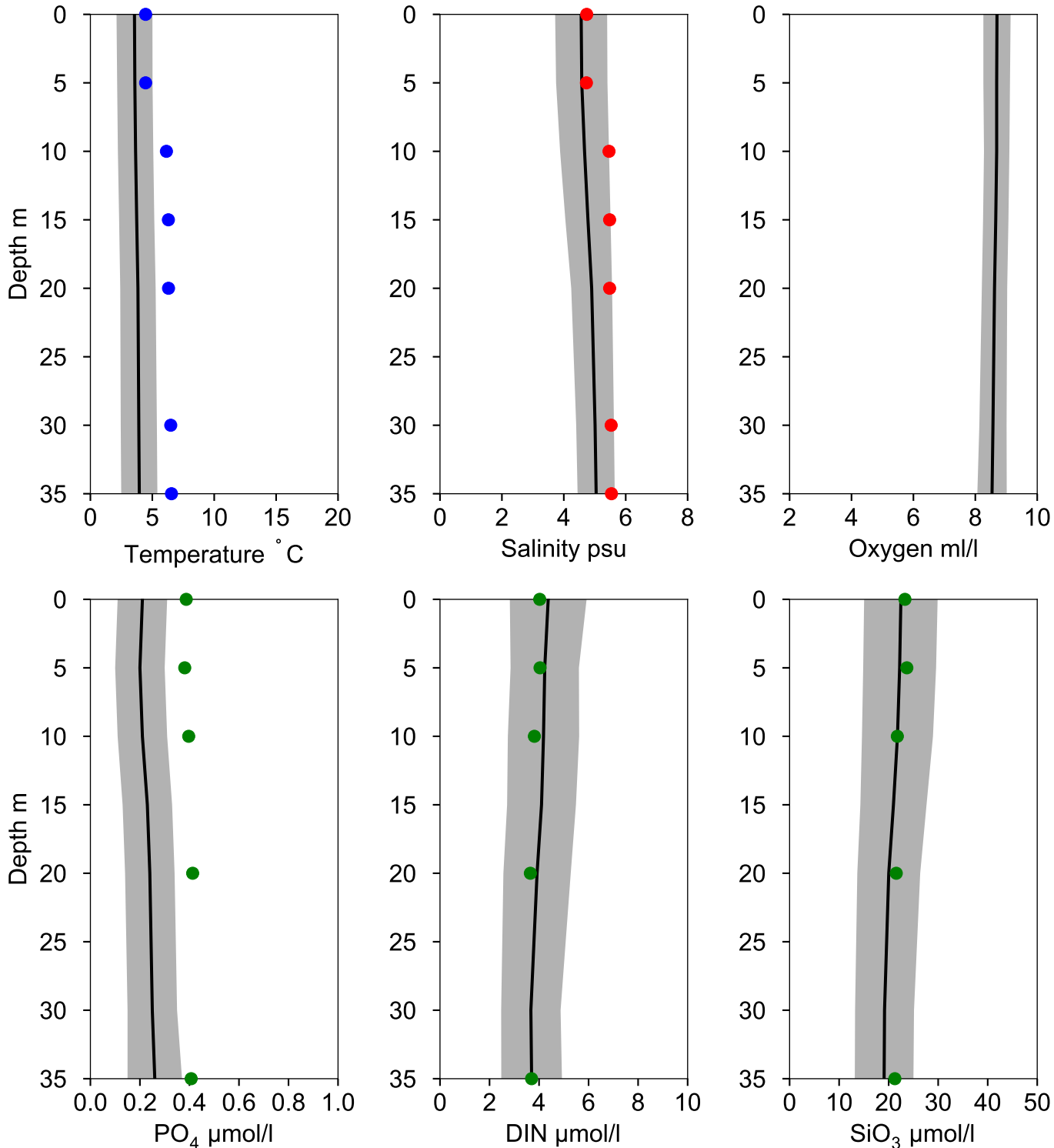
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles SKV2 December

Statistics based on data from: Norra Kvarken

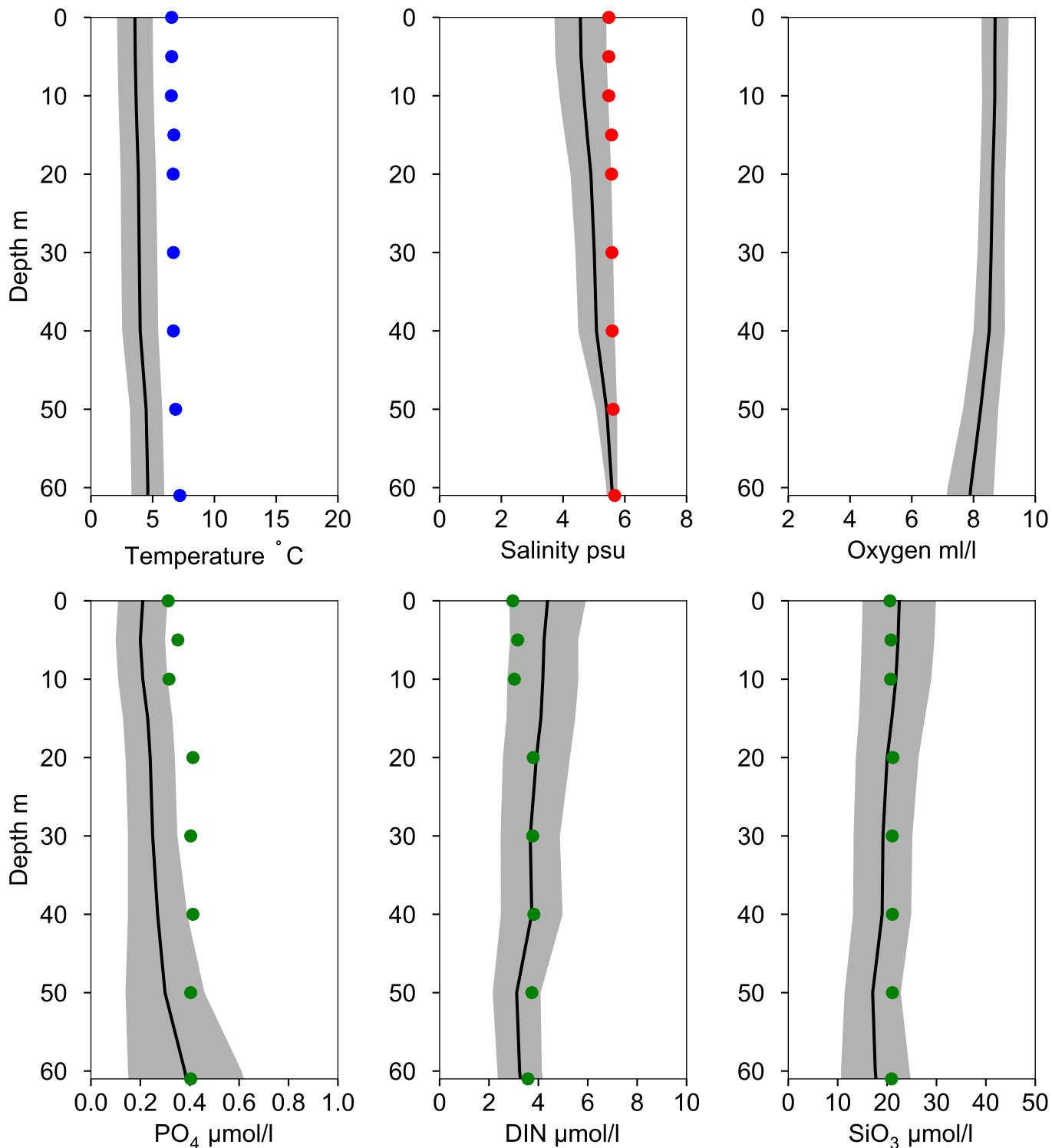
— Mean 1991-2020 St.Dev. ● 2025-12-10



Vertical profiles SKV1 December

Statistics based on data from: Norra Kvarken

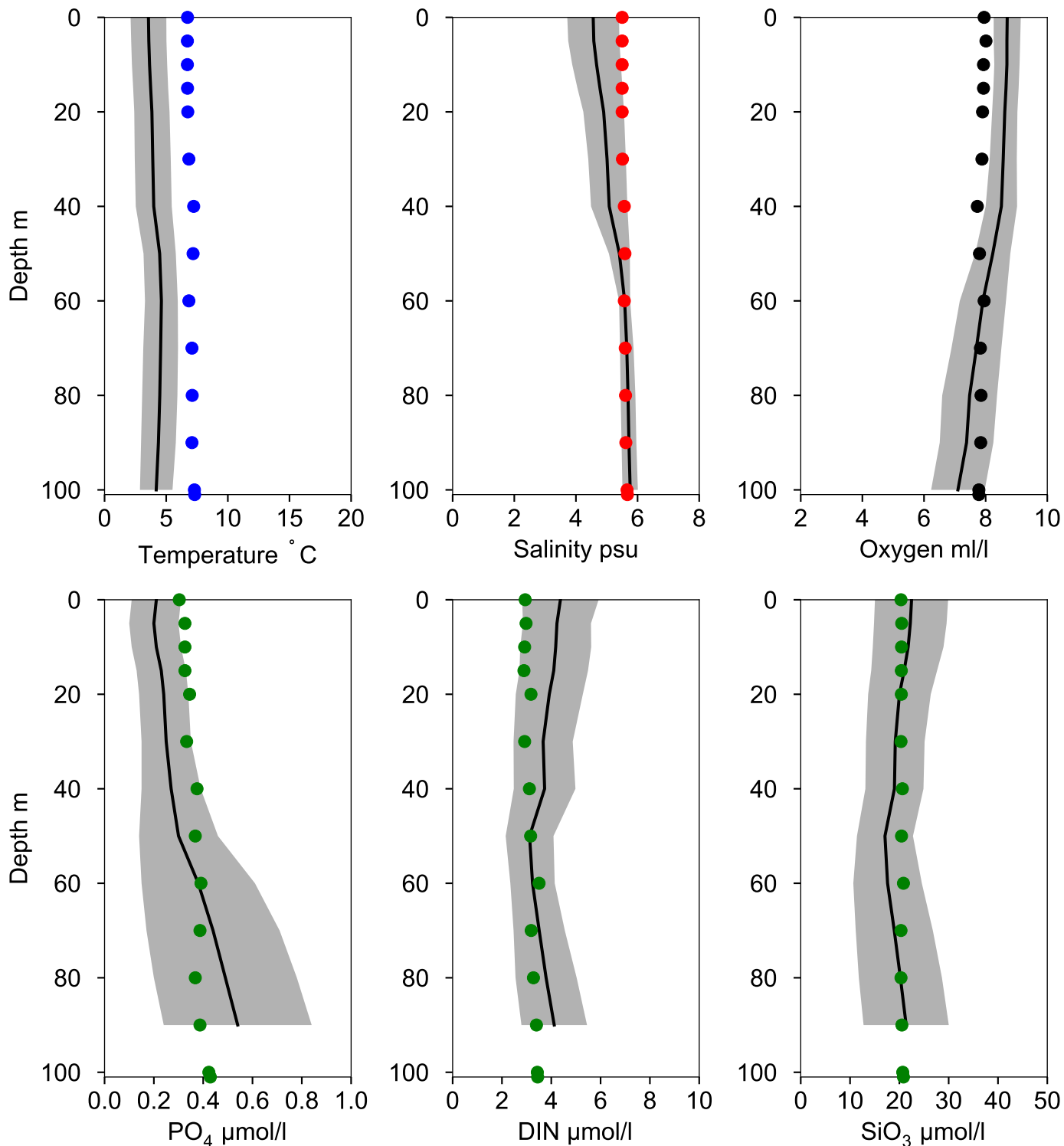
— Mean 1991-2020 St.Dev. ● 2025-12-10



Vertical profiles F18 SYDOSTBROTTE December

Statistics based on data from: Norra Kvarken

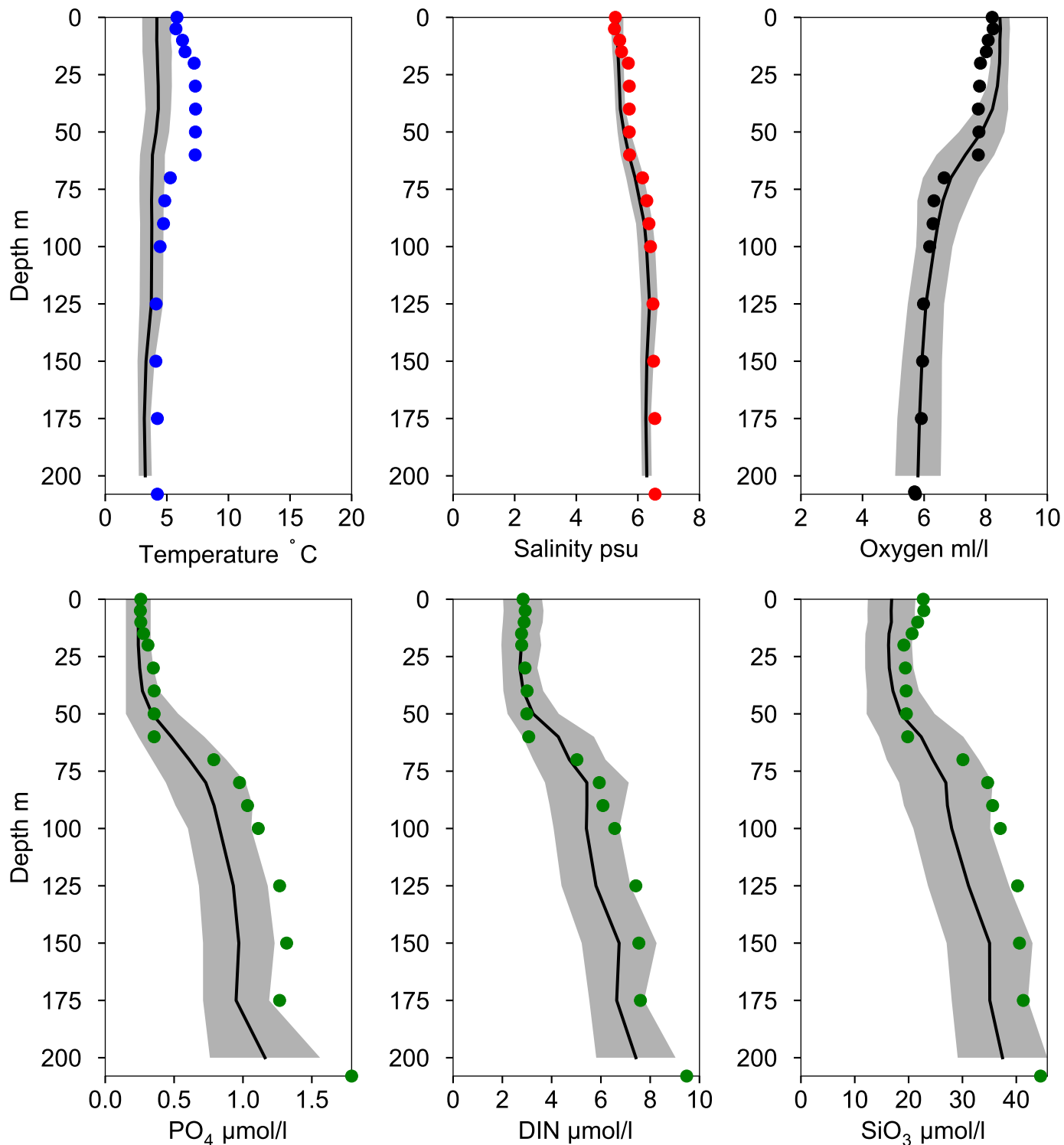
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles US5B / C1 December

Statistics based on data from: Bottenhavet

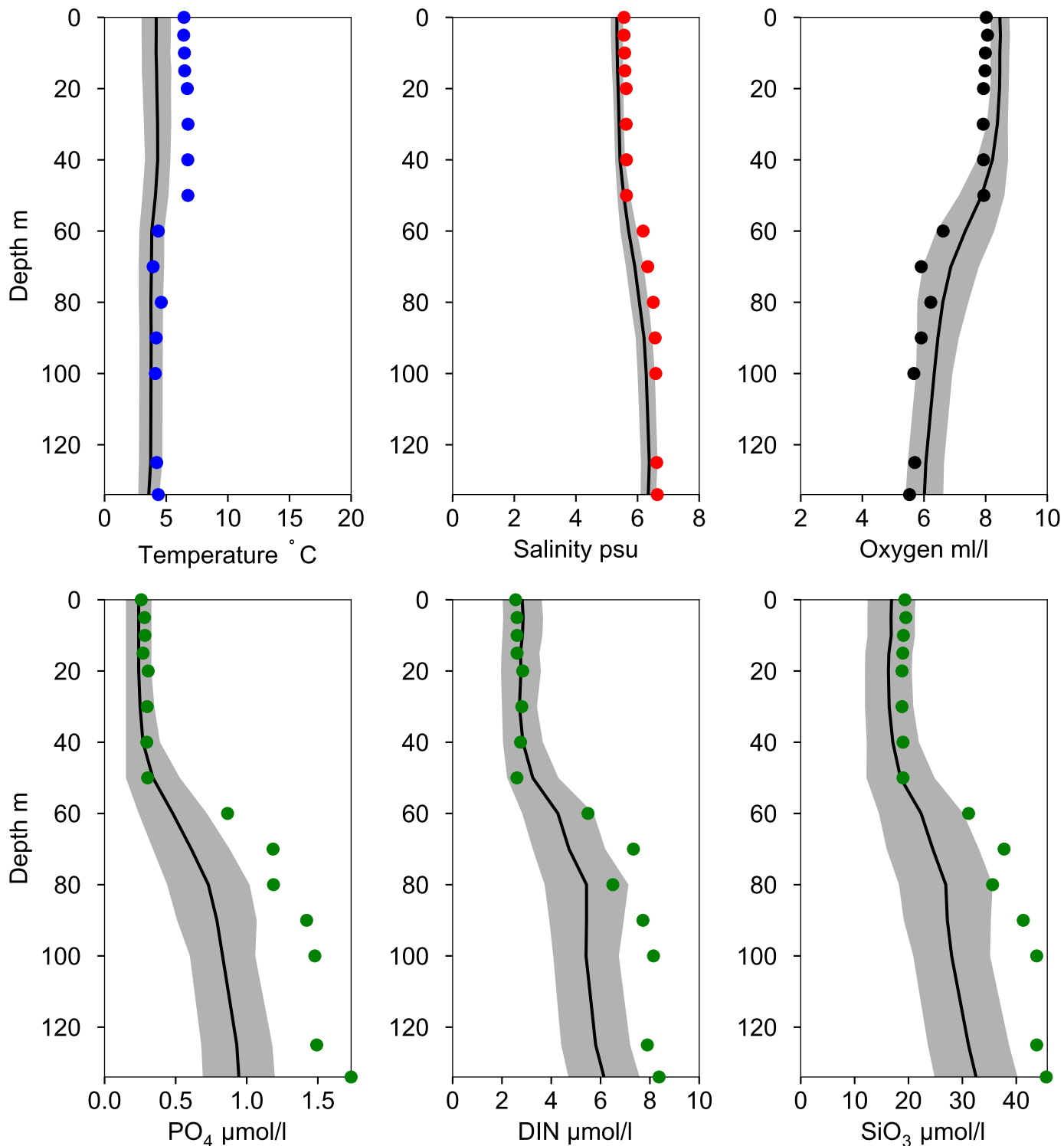
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles F26 / C15 December

Statistics based on data from: Bottenhavet

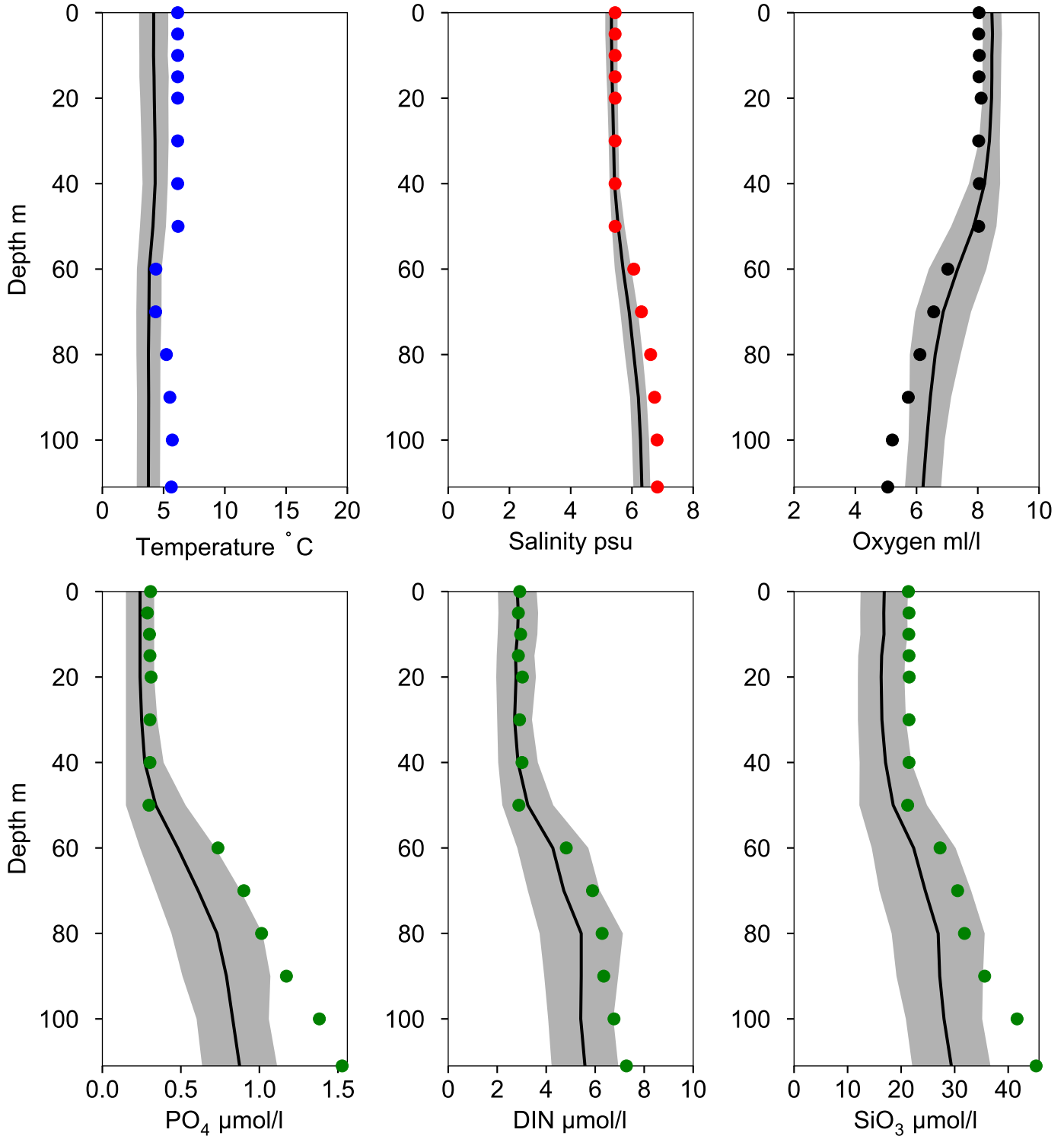
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles SS29 December

Statistics based on data from: Bottenhavet

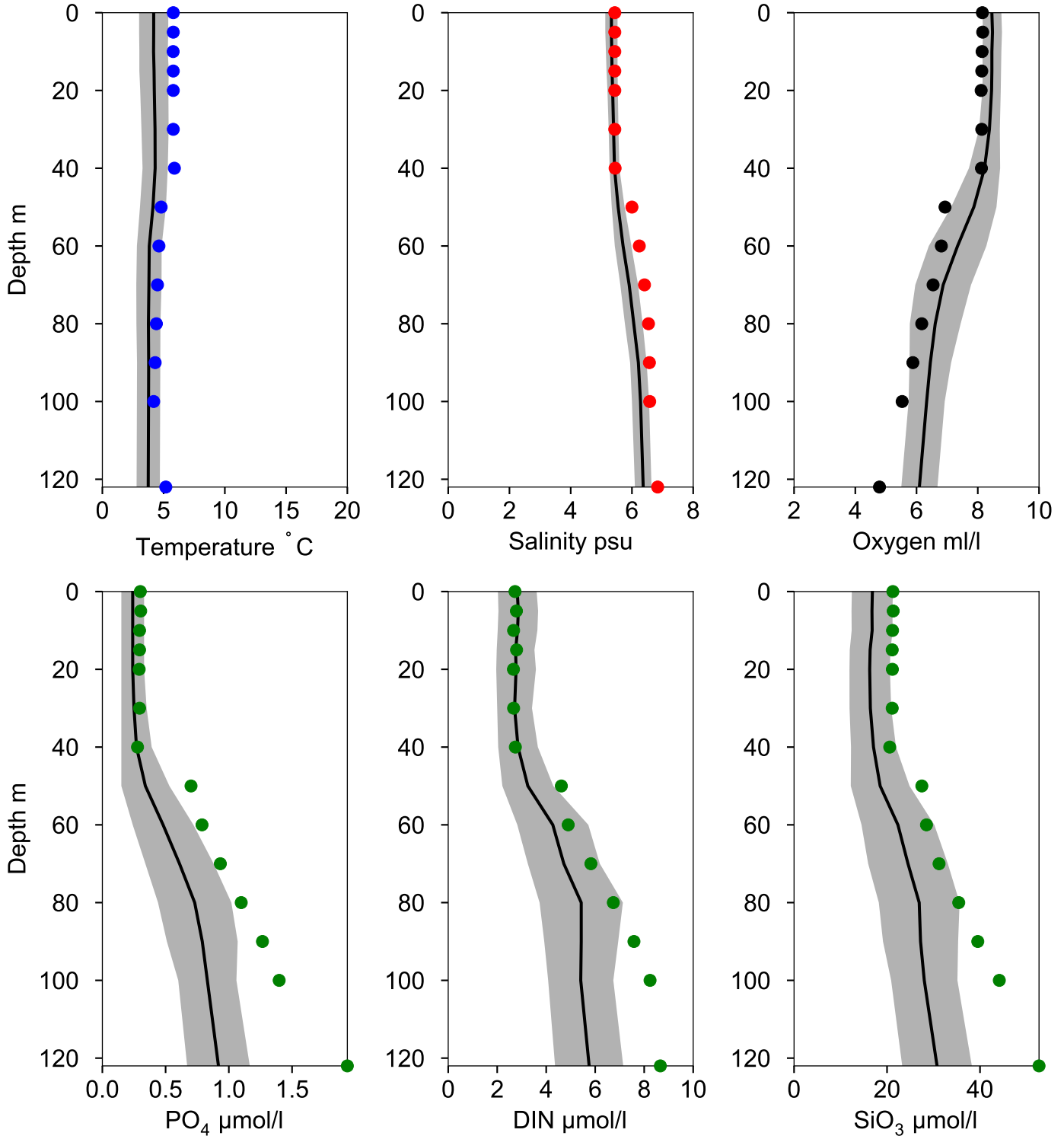
— Mean 1991-2020 ■ St.Dev. ● 2025-12-10



Vertical profiles SR5/LL4 December

Statistics based on data from: Bottenhavet

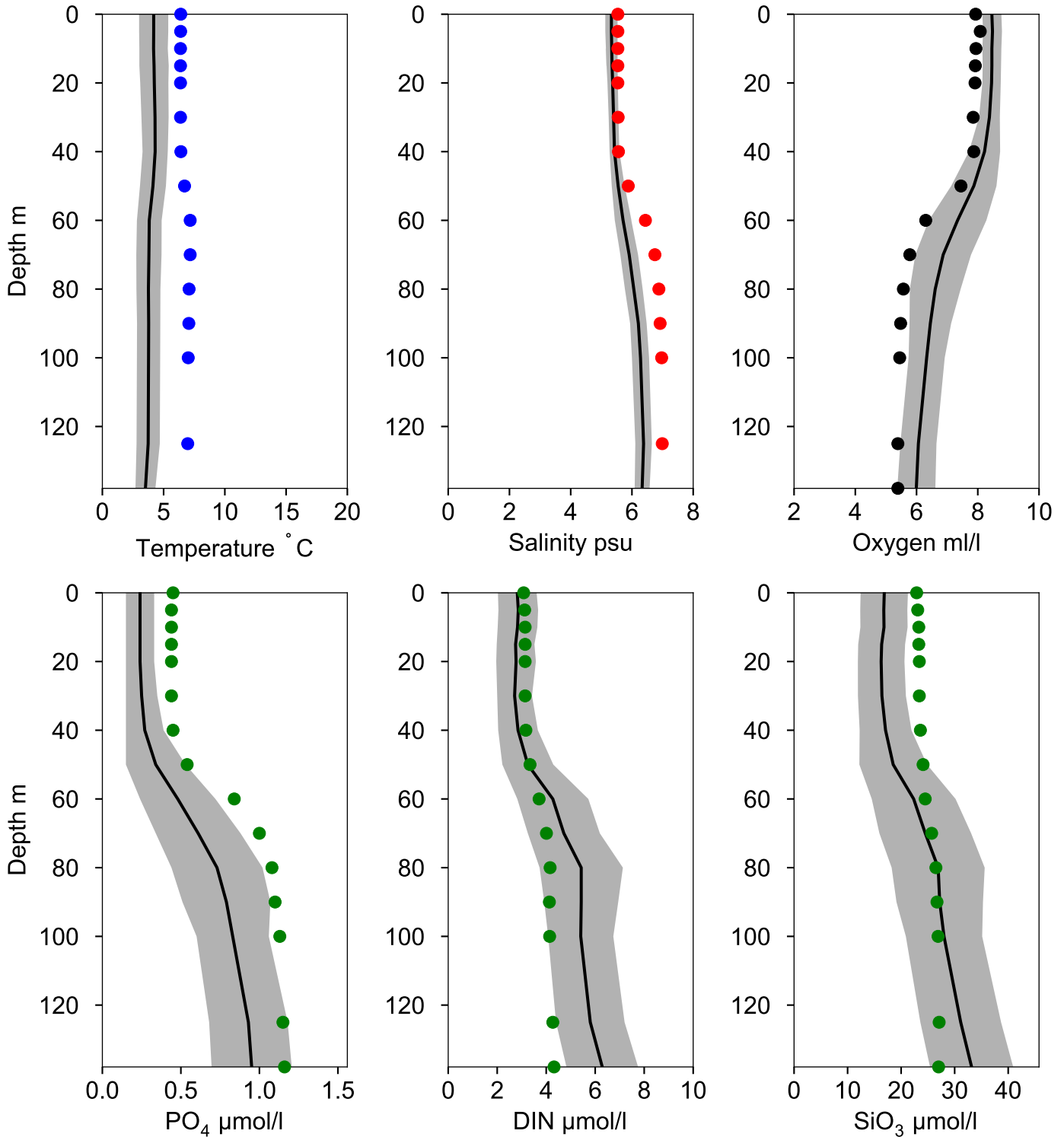
— Mean 1919-2020 ■ St.Dev. ● 2025-12-11



Vertical profiles F33 GRUNDKALLEN December

Statistics based on data from: Bottenhavet

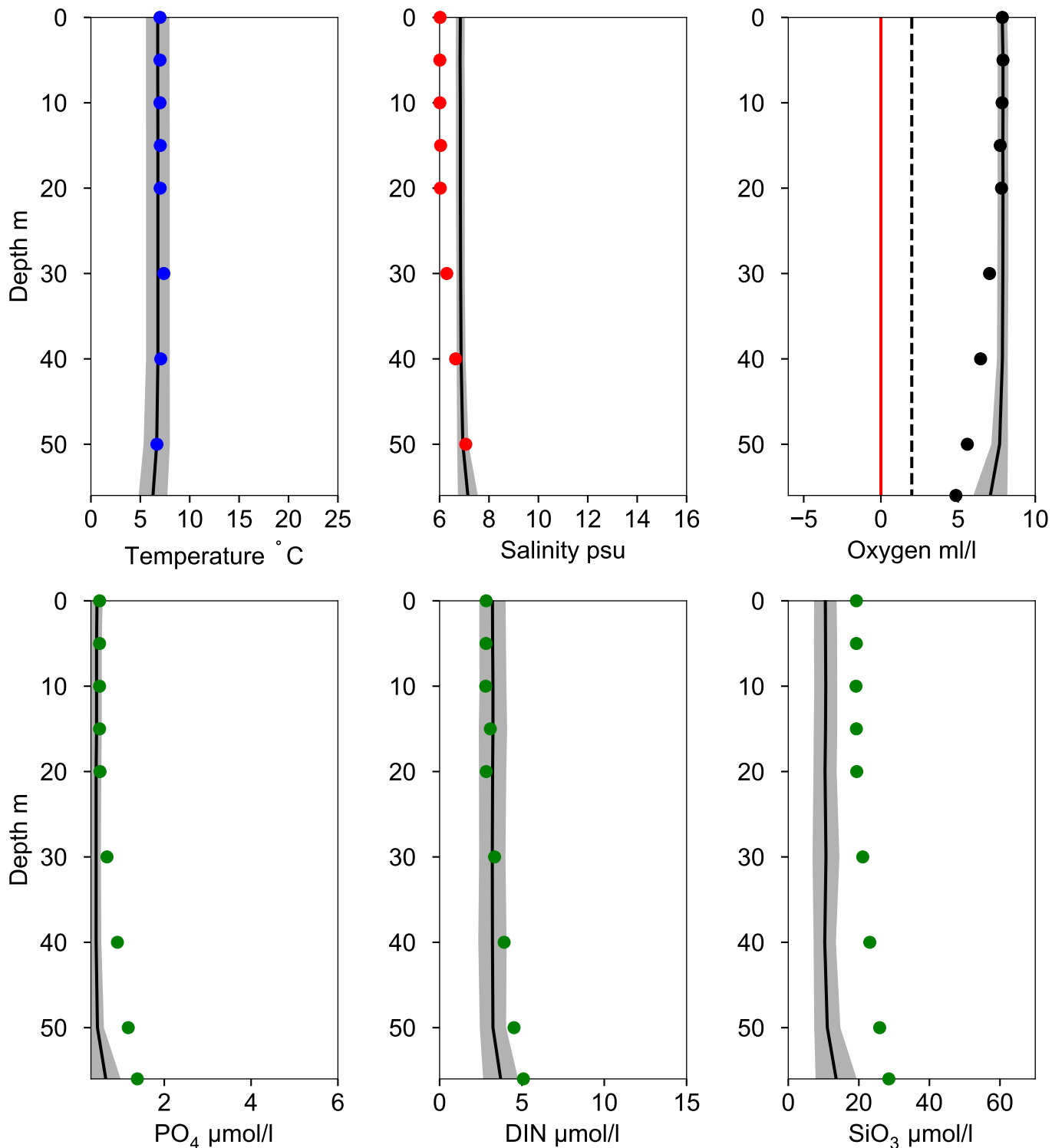
— Mean 1919-2020 ■ St.Dev. ● 2025-12-11



Vertical profiles TRÖSKELN ÅLANDS HAV December

Statistics based on data from: Norra Egentliga Östersjön

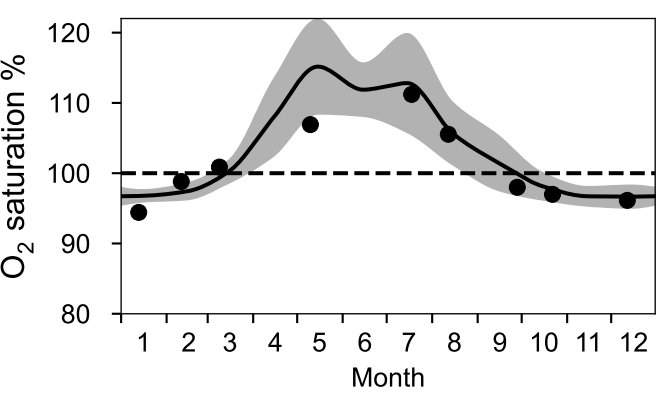
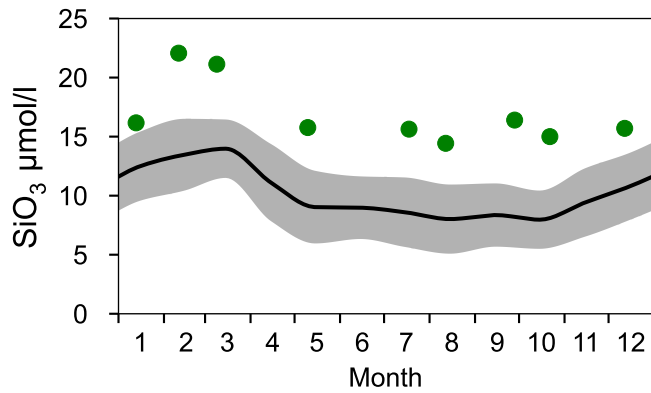
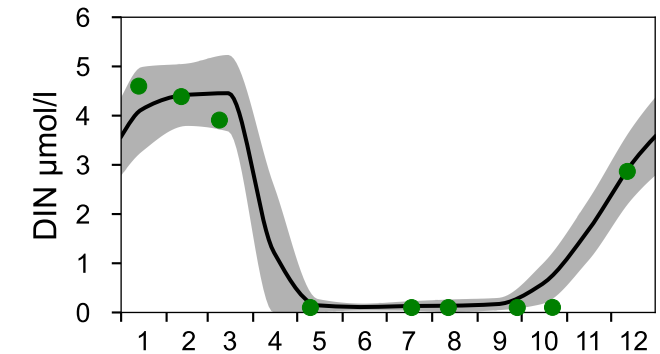
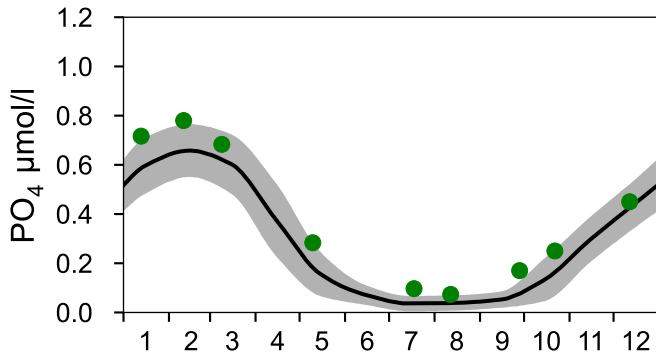
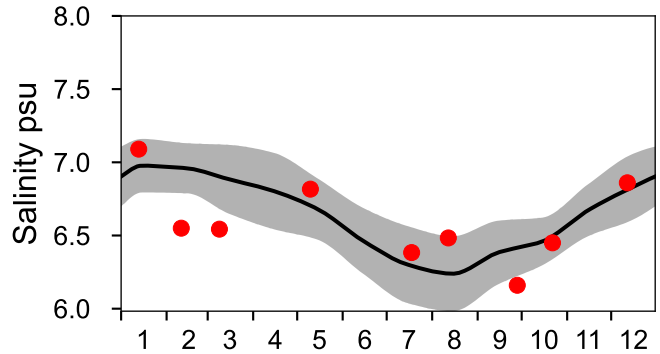
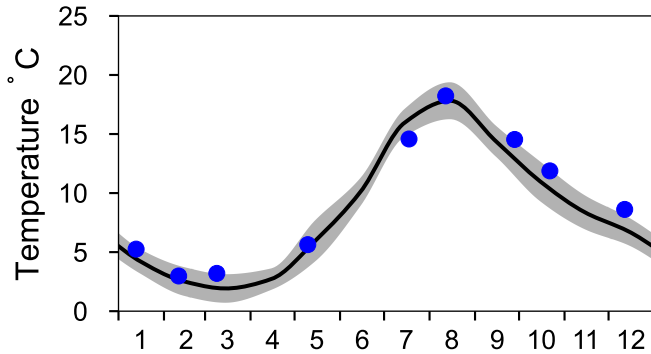
— Mean 1991-2020 St.Dev. ● 2025-12-12



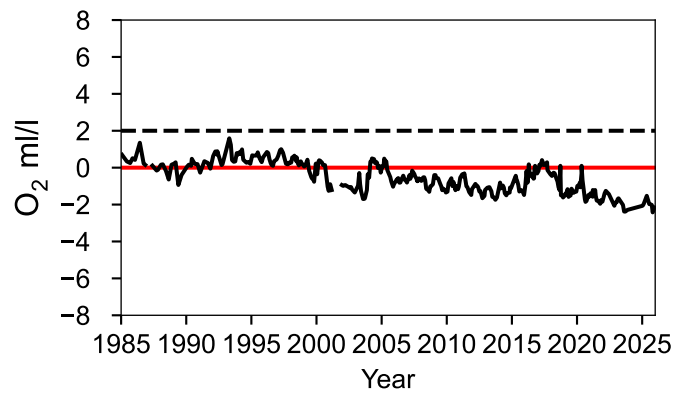
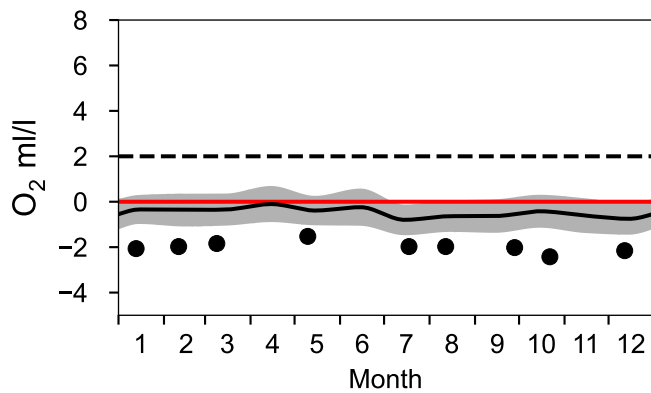
STATION BY29 / LL19 SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

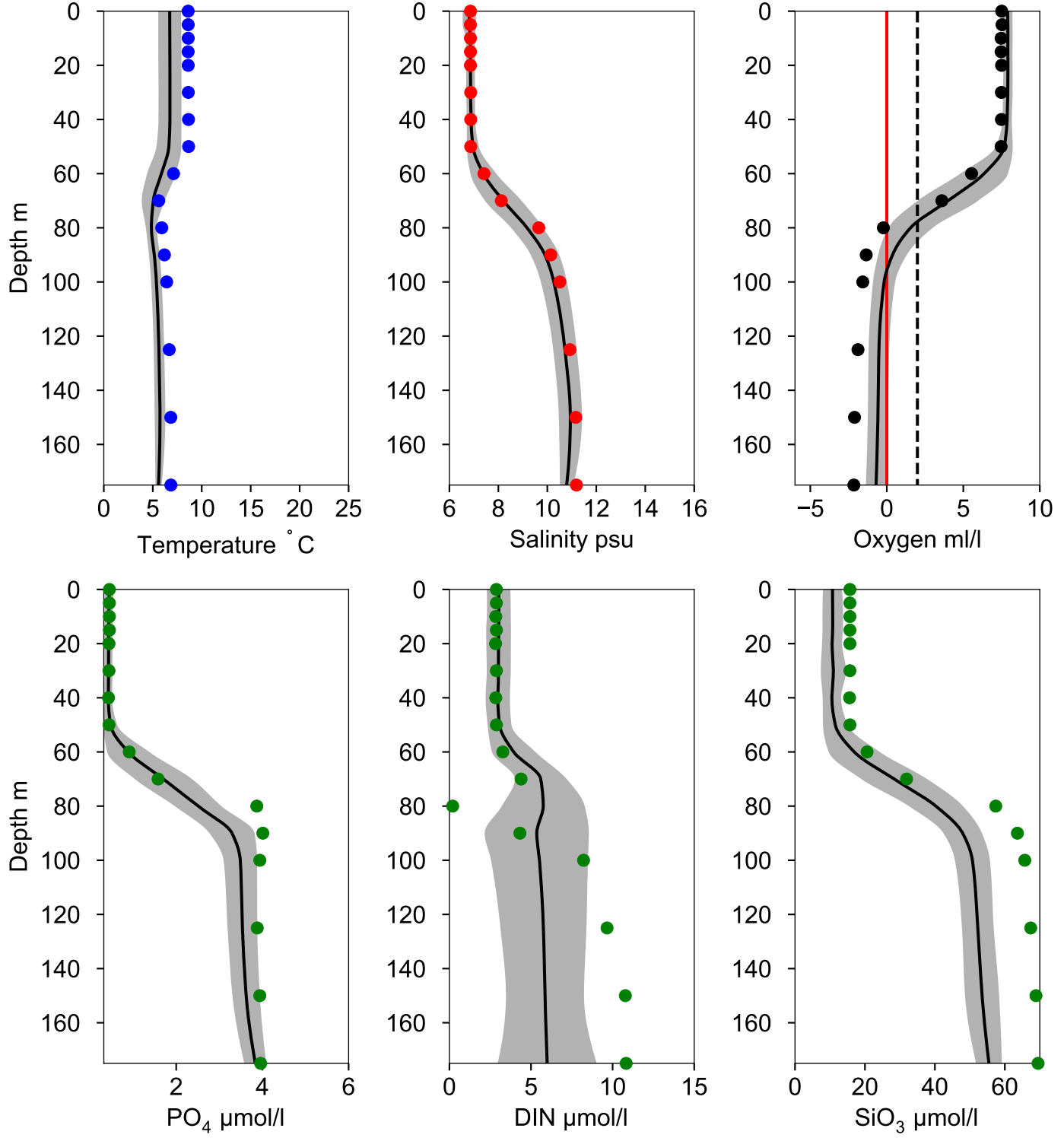


OXYGEN IN BOTTOM WATER (depth >= 150 m)



Vertical profiles BY29 / LL19 December

— Mean 1991-2020 St.Dev. ● 2025-12-12



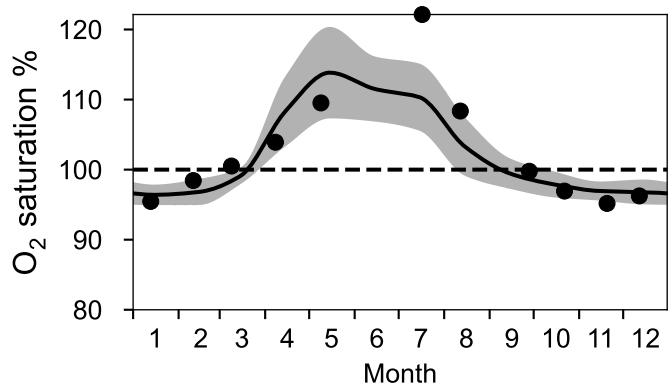
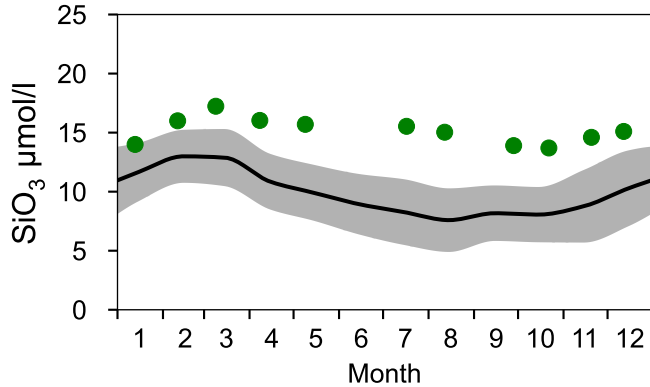
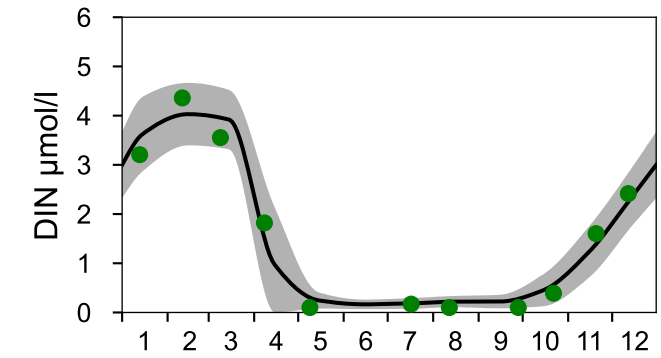
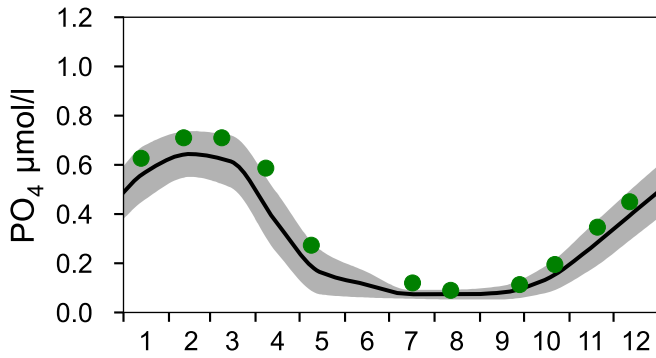
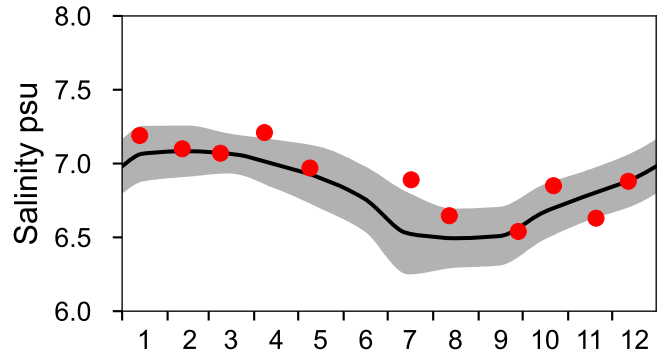
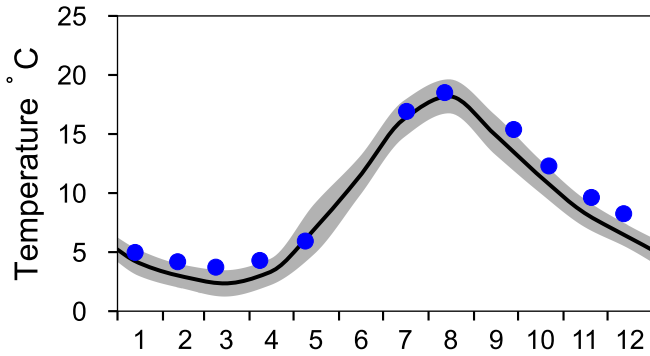
STATION BY20 FÄRÖDJ SURFACE WATER (0-10 m)

Annual Cycles

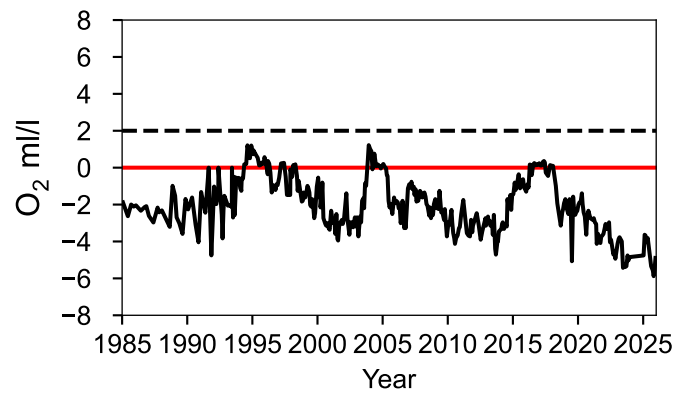
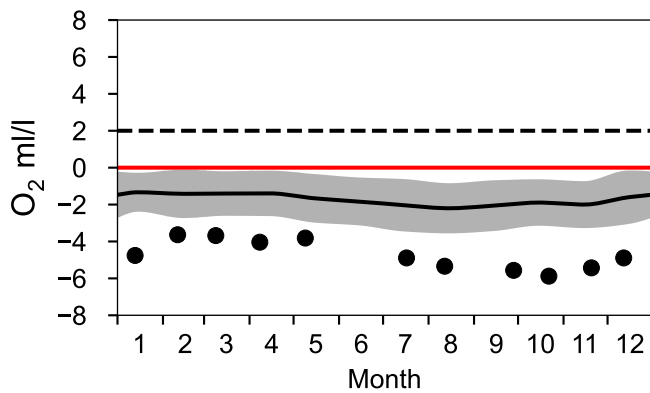
— Mean 1991-2020

■ St.Dev.

● 2025

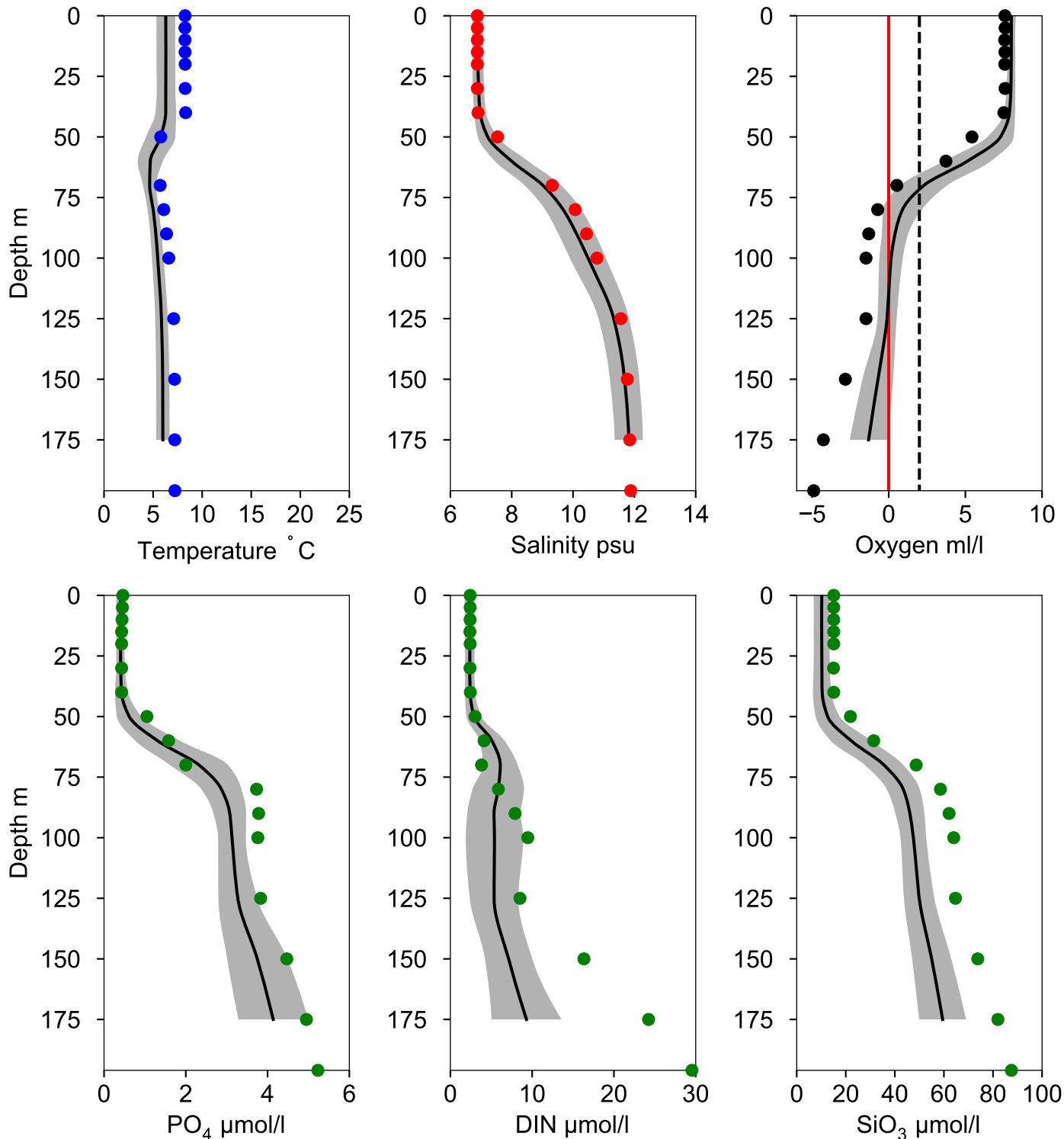


OXYGEN IN BOTTOM WATER (depth >= 175 m)



Vertical profiles BY20 FÅRÖDJ December

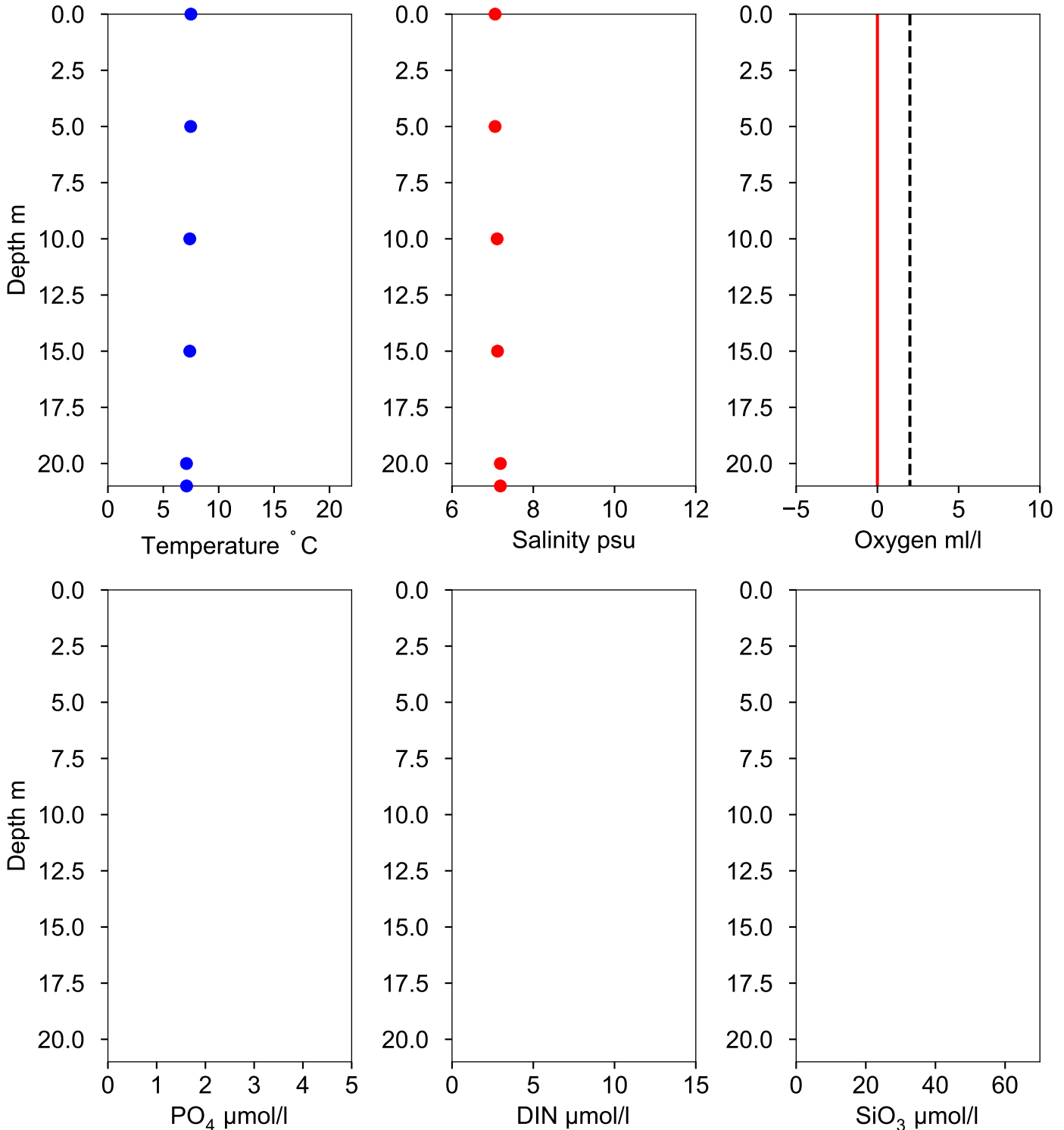
— Mean 1991-2020 St.Dev. ● 2025-12-12



Vertical profiles ÖSTERGARNSHOLM December

Statistics based on data from: Östra Ölands, sydöstra Gotlands kustvatten samt Gotska sandön

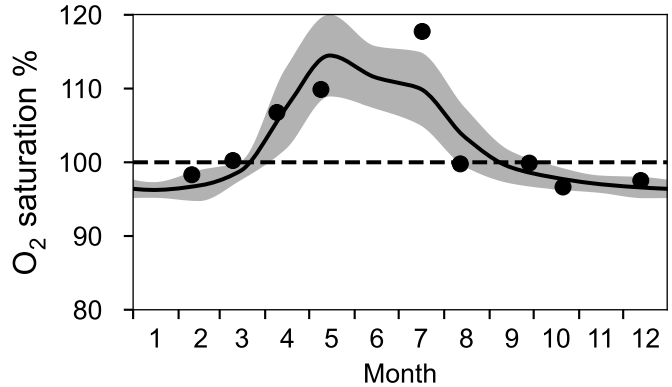
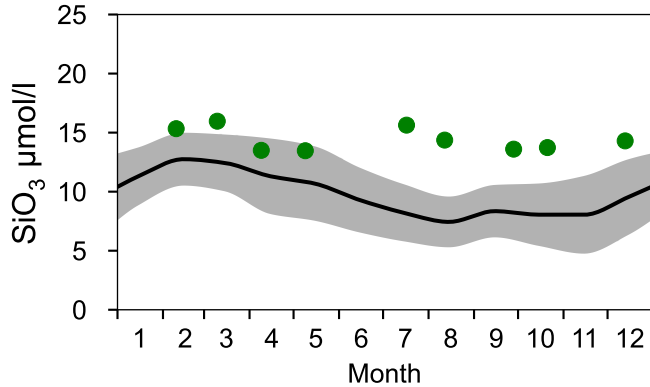
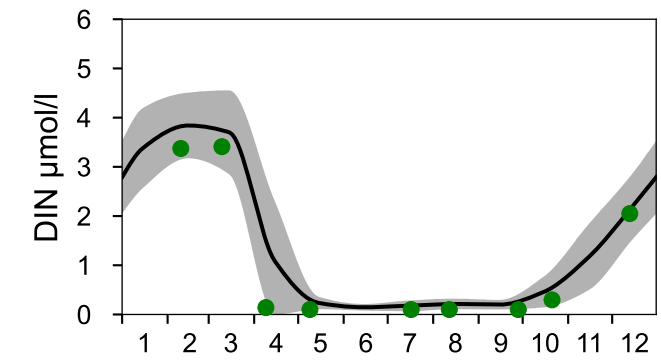
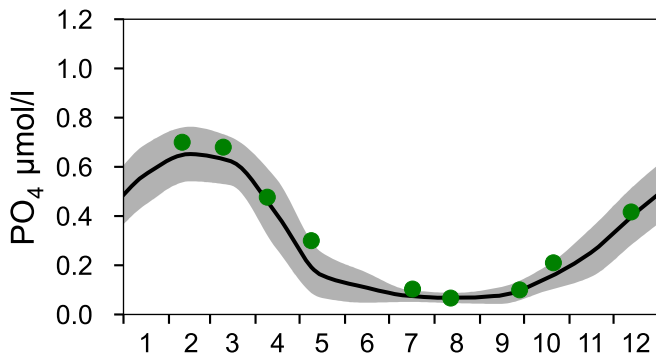
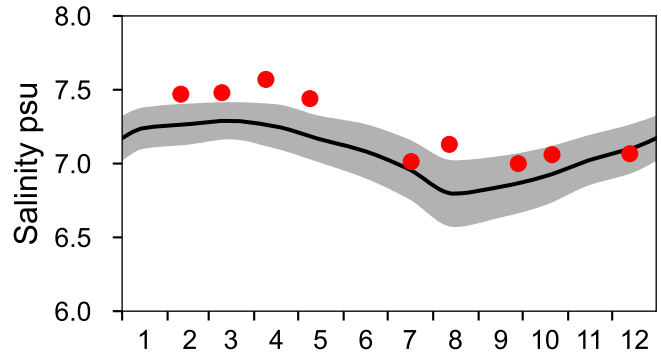
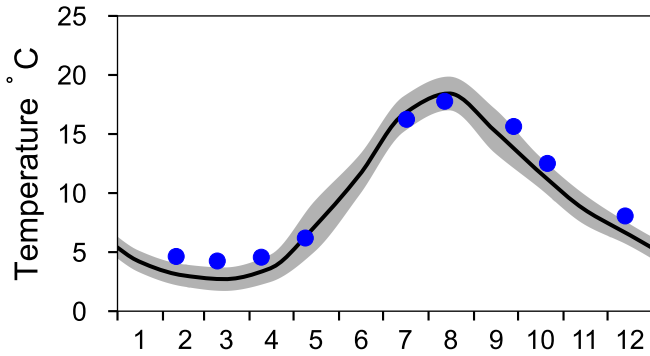
— Mean 1991-2020 ■ St.Dev. ● 2025-12-12



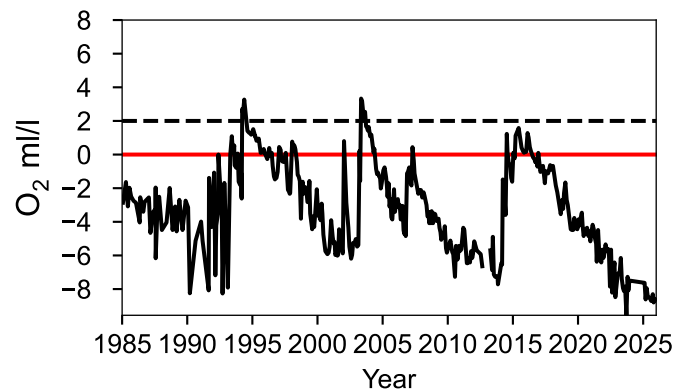
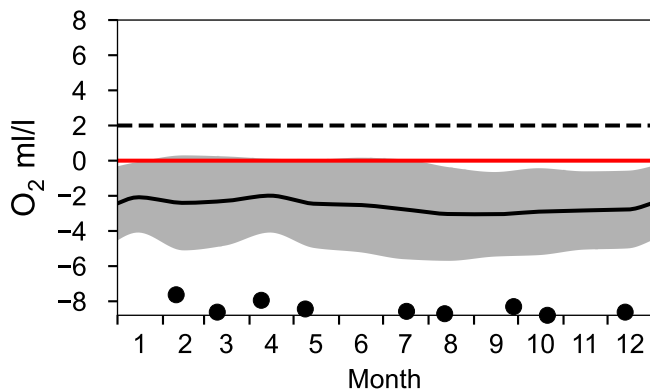
STATION BY15 GOTLANDSDJ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

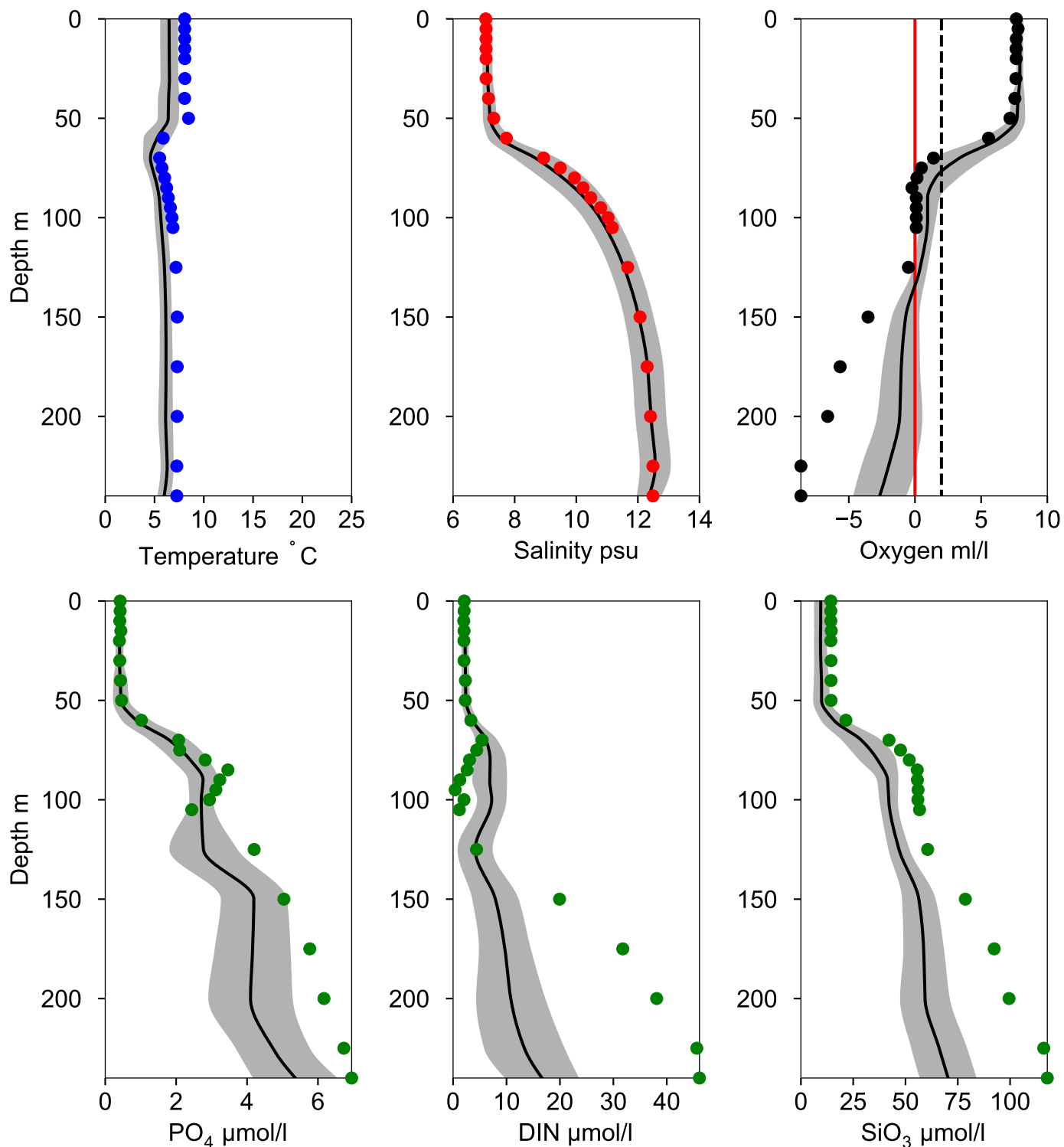


OXYGEN IN BOTTOM WATER (depth >= 225 m)



Vertical profiles BY15 GOTLANDSDJ December

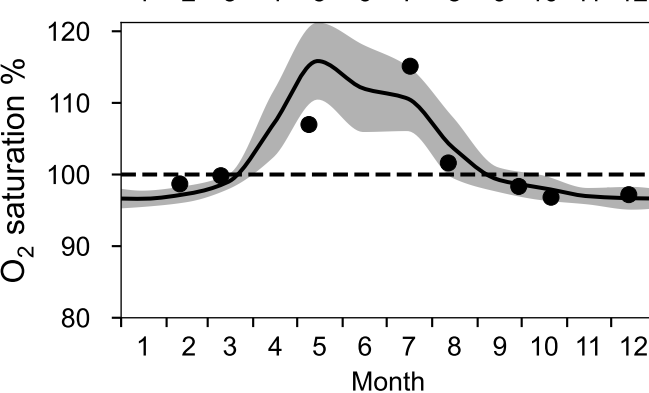
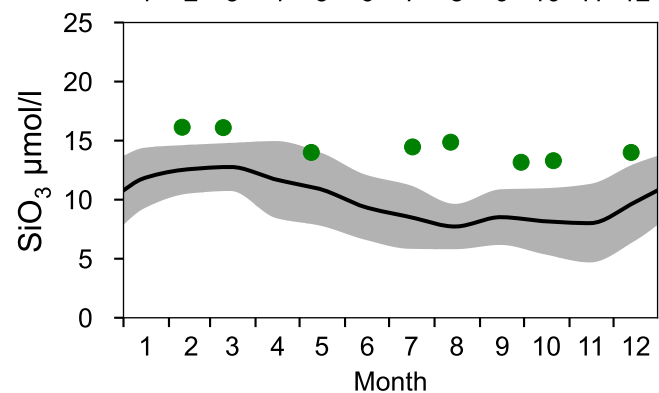
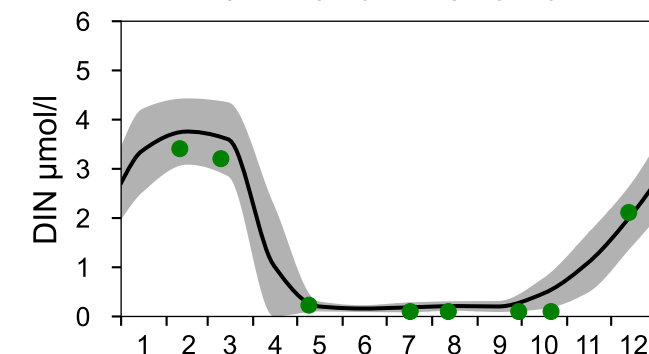
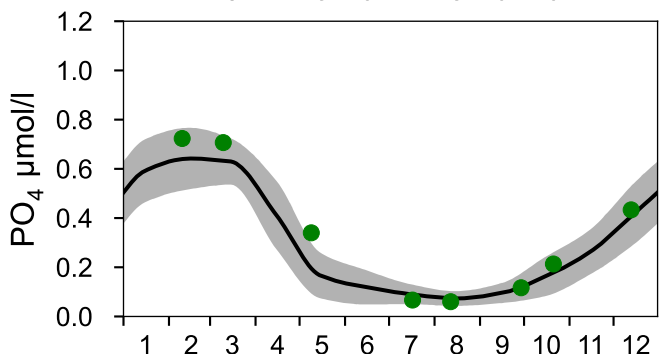
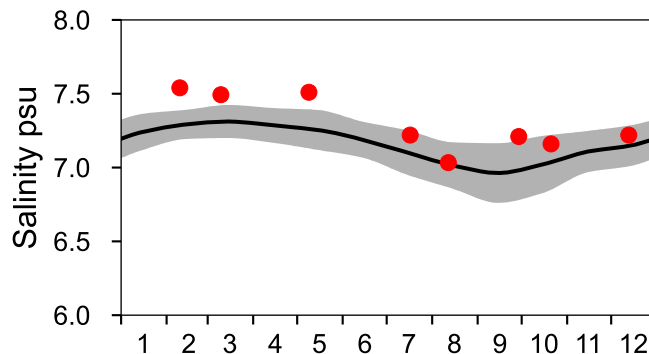
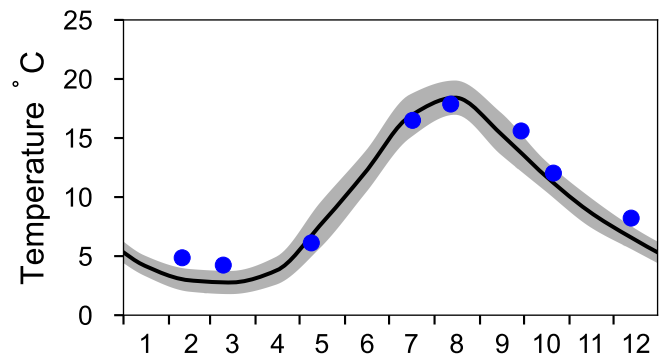
— Mean 1991-2020 St.Dev. ● 2025-12-13



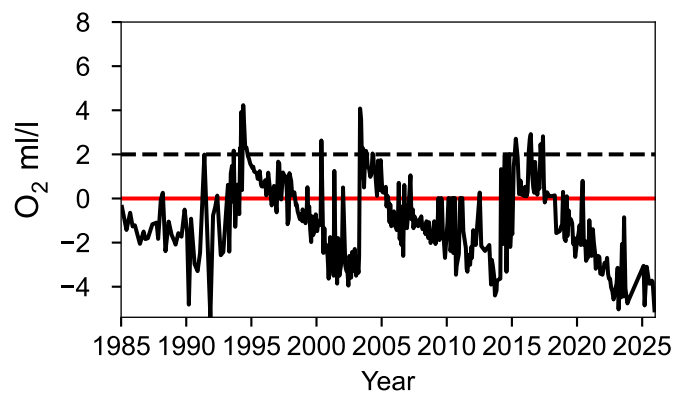
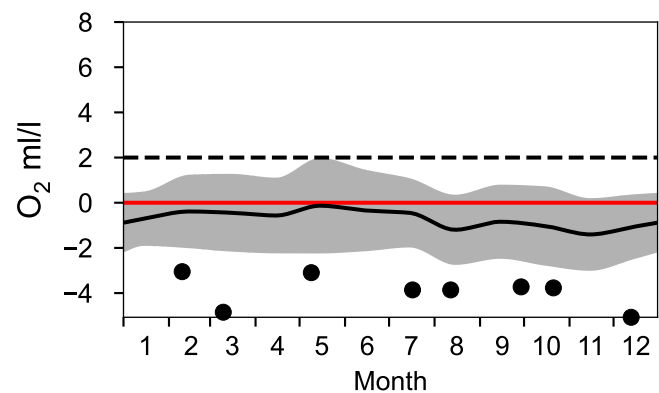
STATION BY10 SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

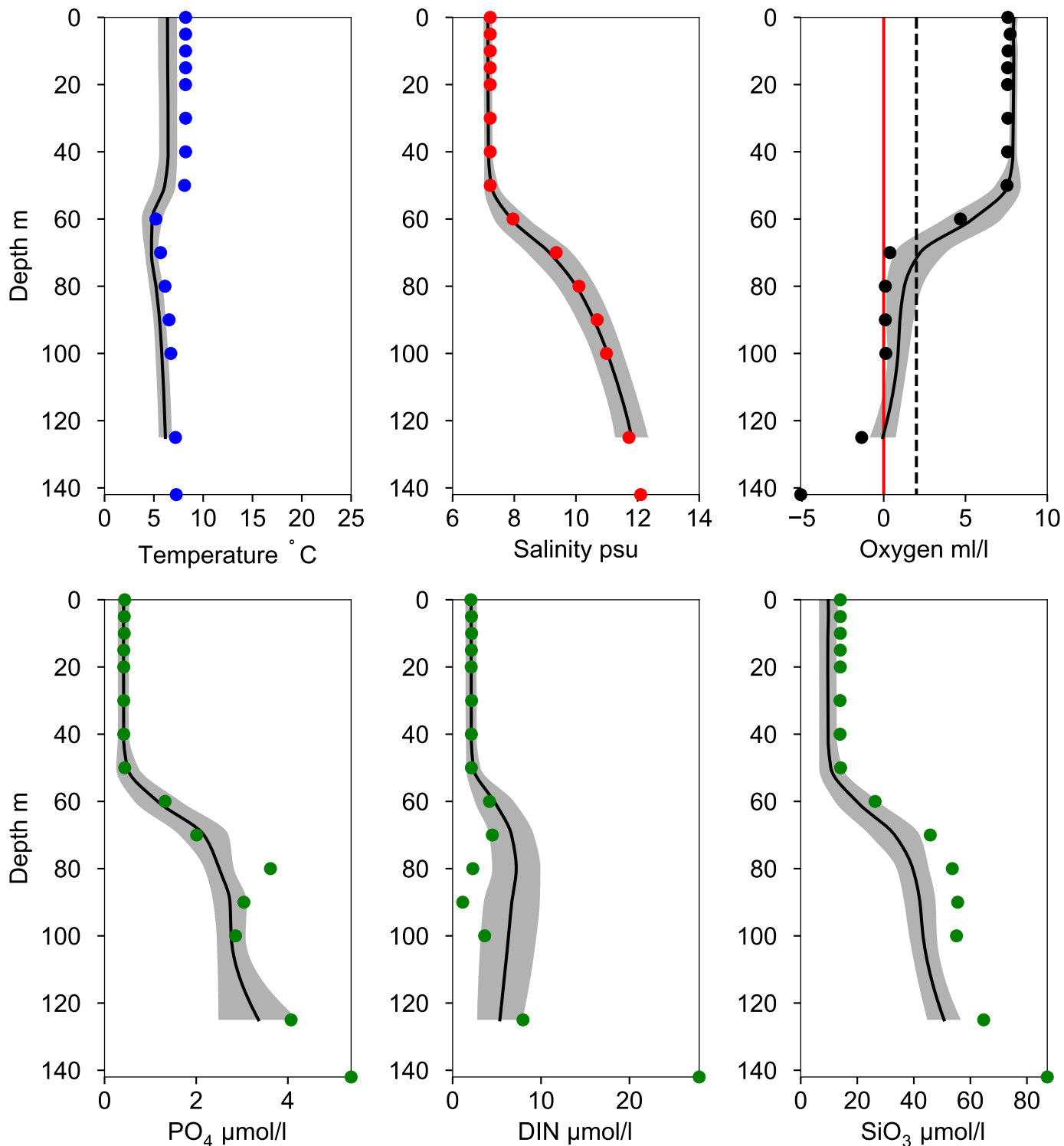


OXYGEN IN BOTTOM WATER (depth >= 125 m)



Vertical profiles BY10 December

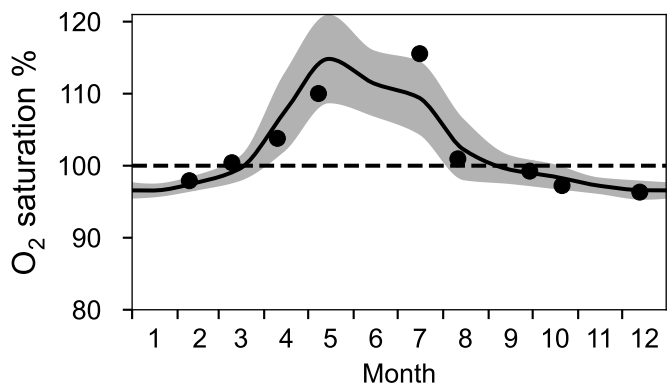
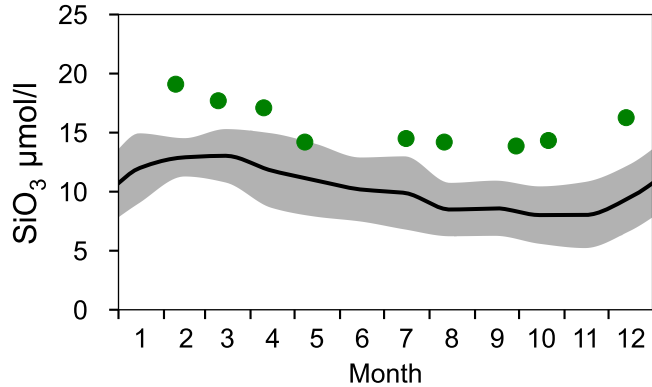
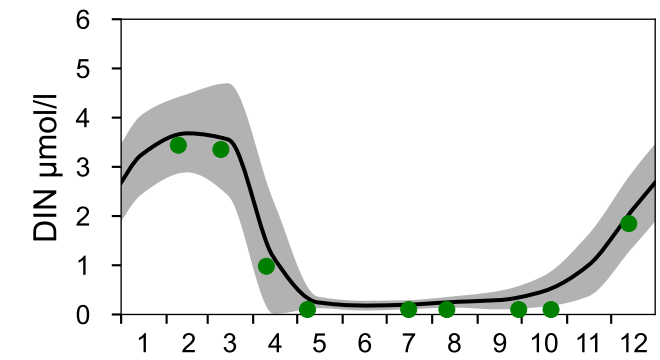
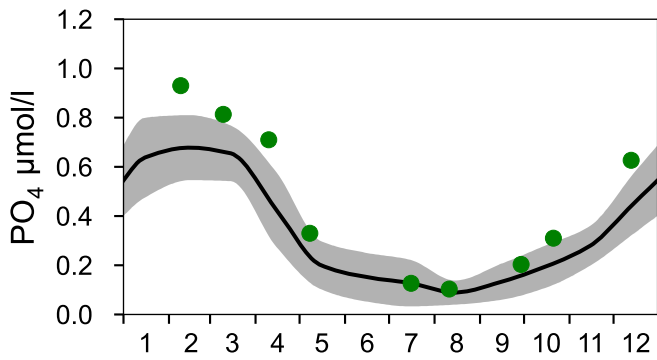
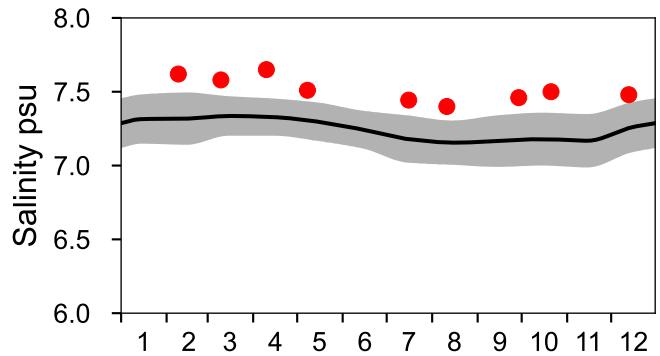
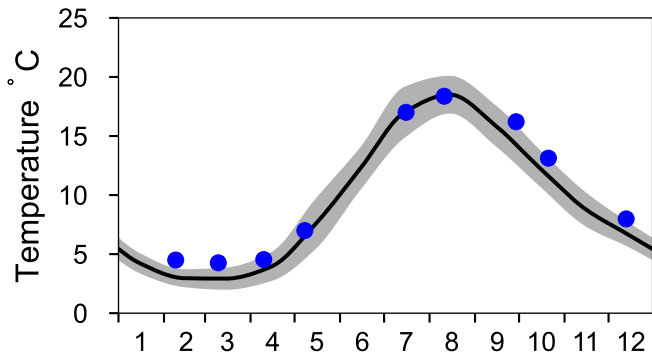
— Mean 1991-2020 St.Dev. ● 2025-12-13



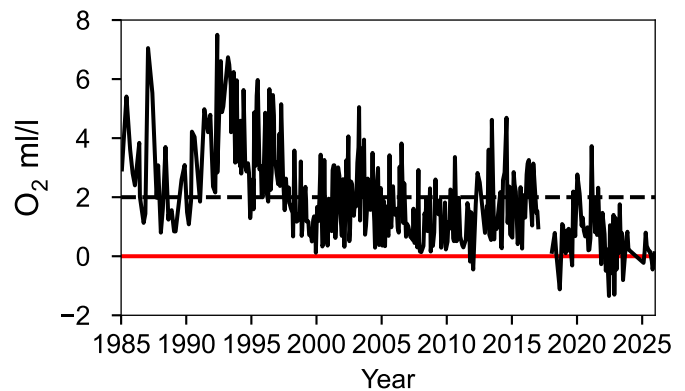
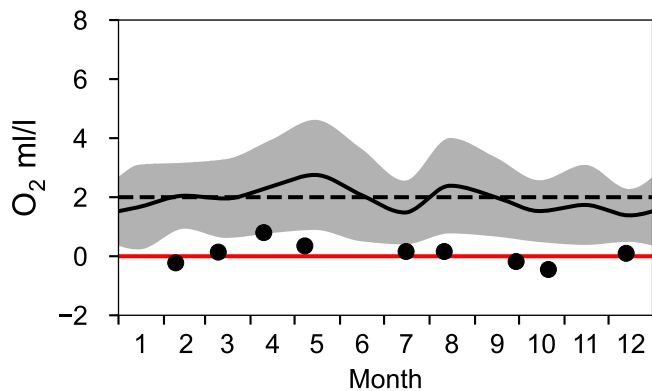
STATION BCS III-10 SURFACE WATER (0-10 m)

Annual Cycles

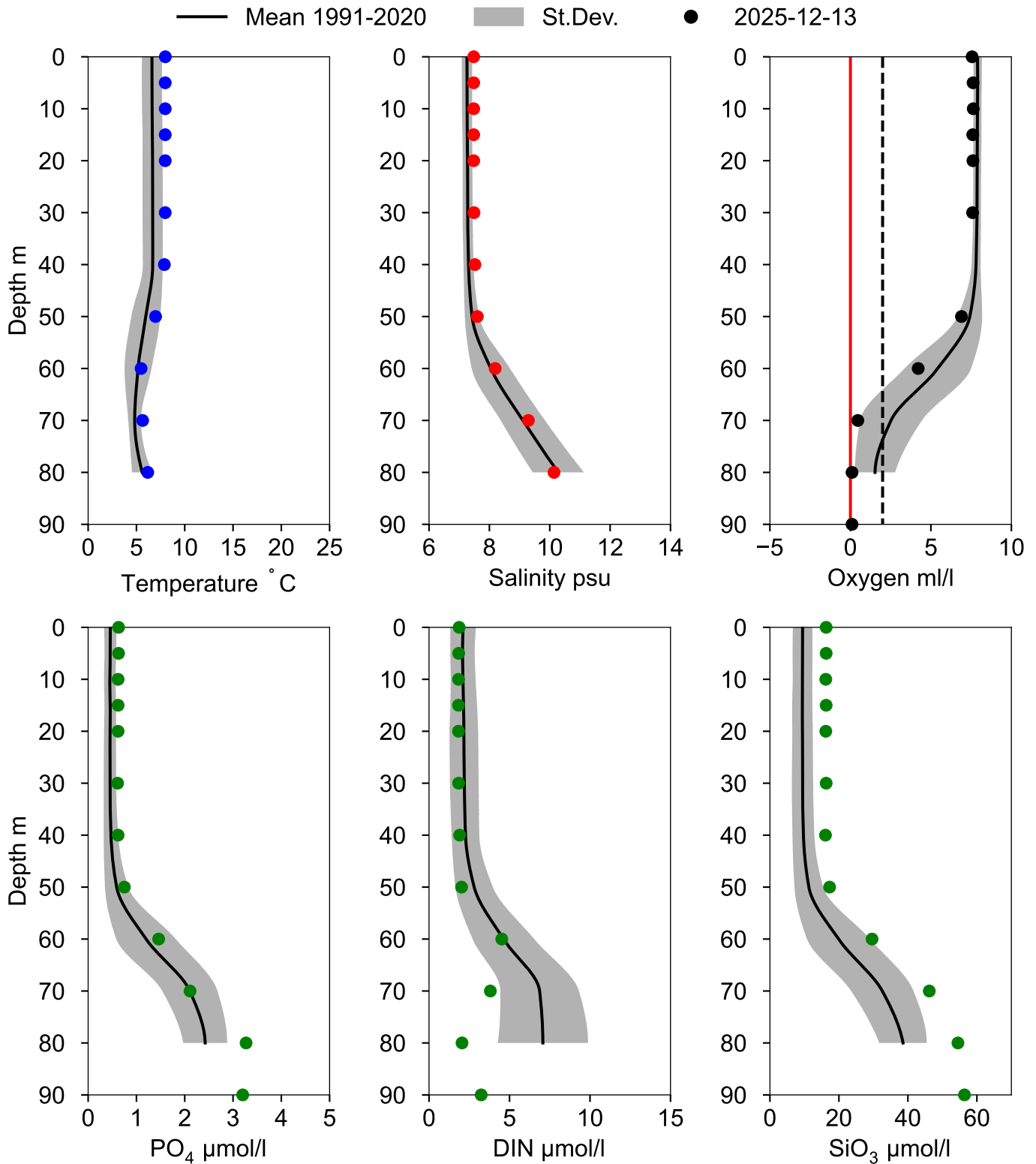
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 80 m)



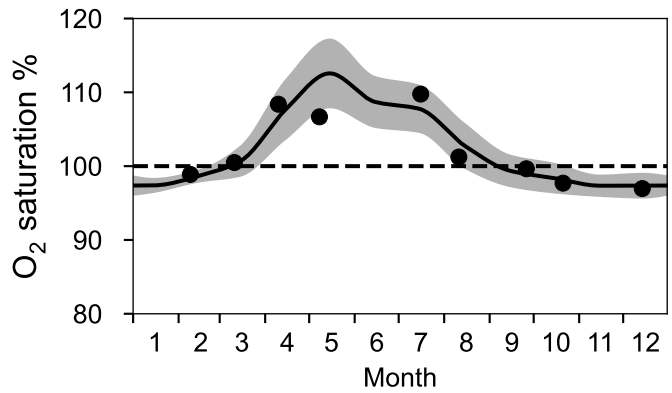
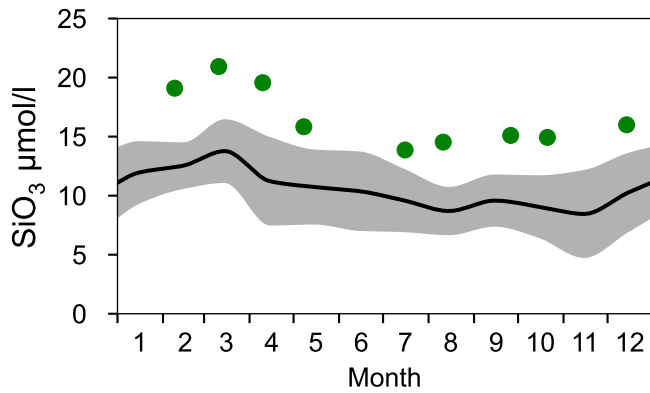
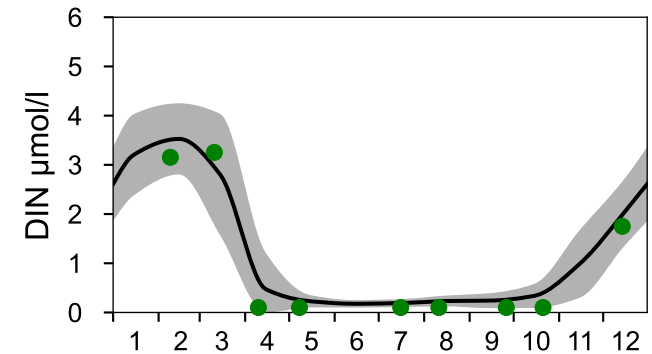
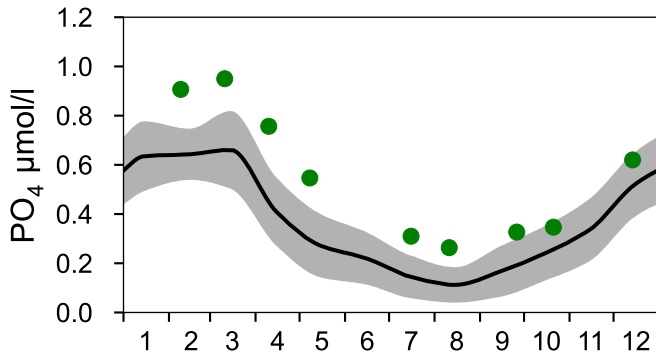
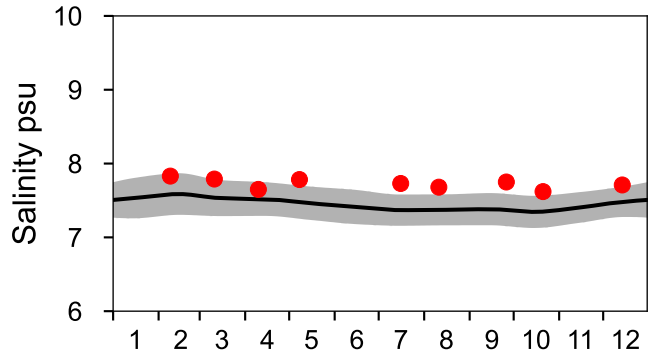
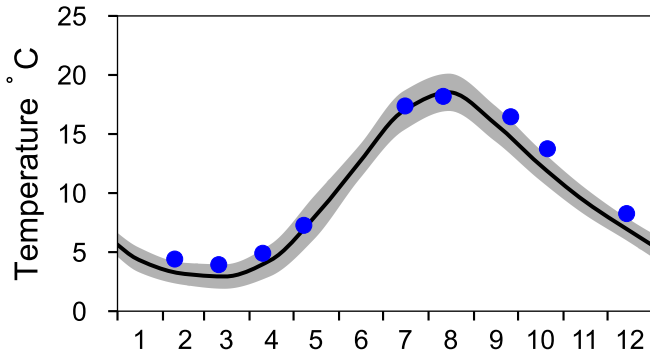
Vertical profiles BCS III-10 December



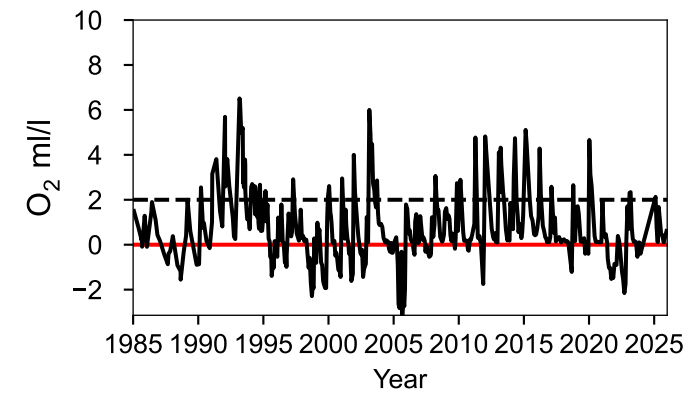
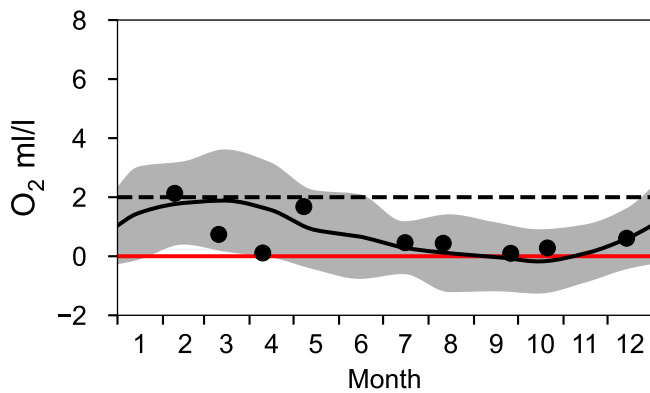
STATION BY5 BORNHOLMSDJ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025

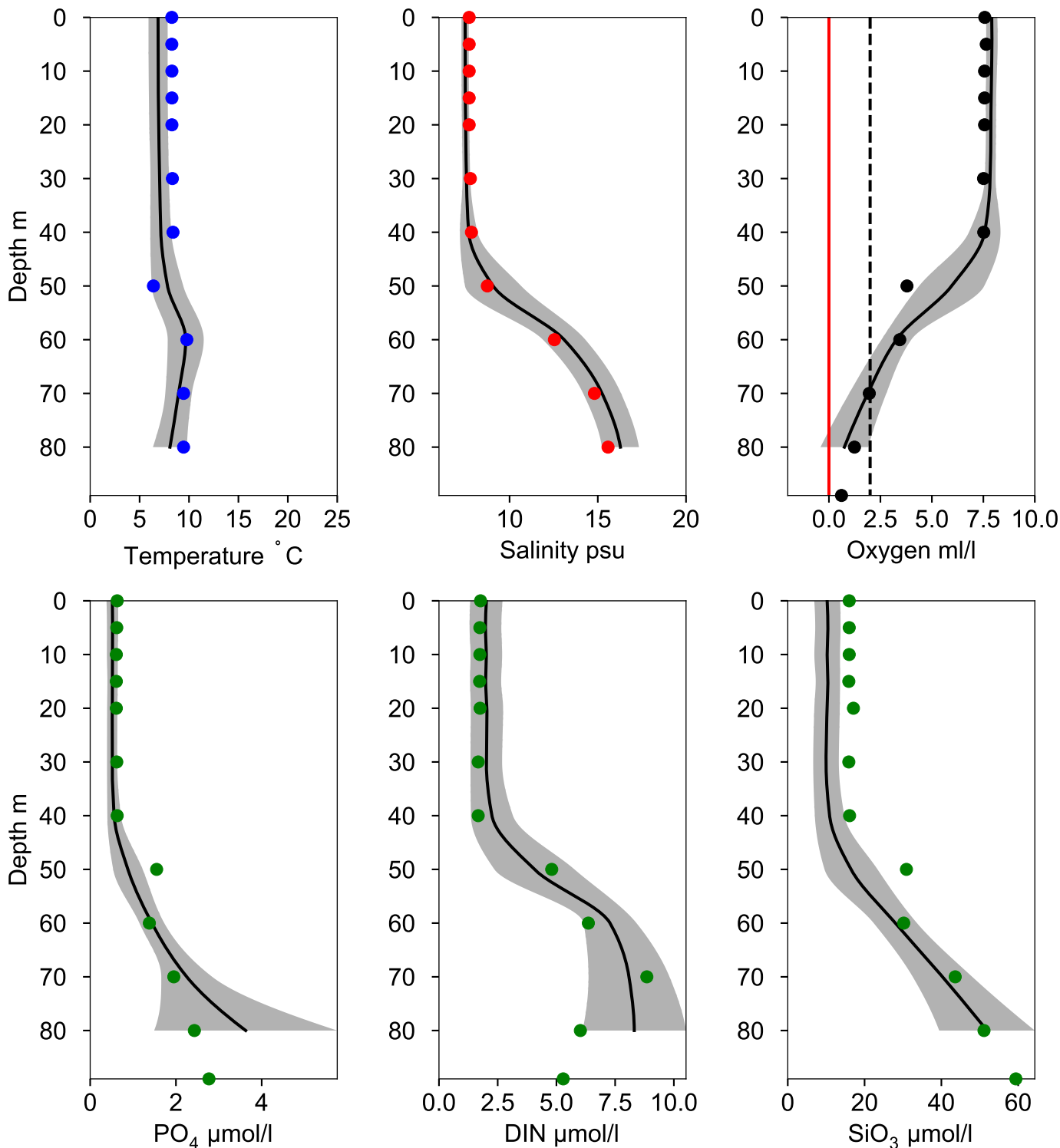


OXYGEN IN BOTTOM WATER (depth >= 80 m)



Vertical profiles BY5 BORNHOLMSDJ December

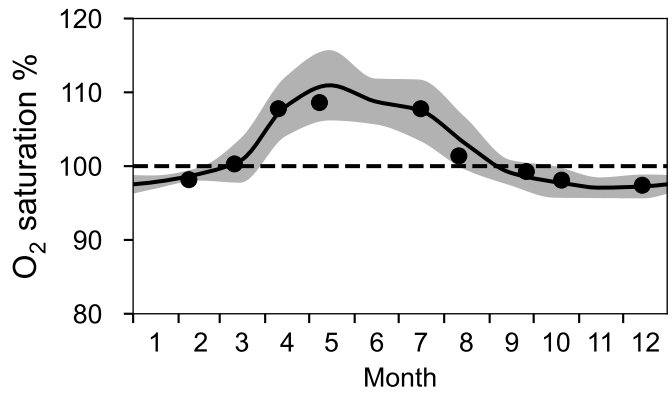
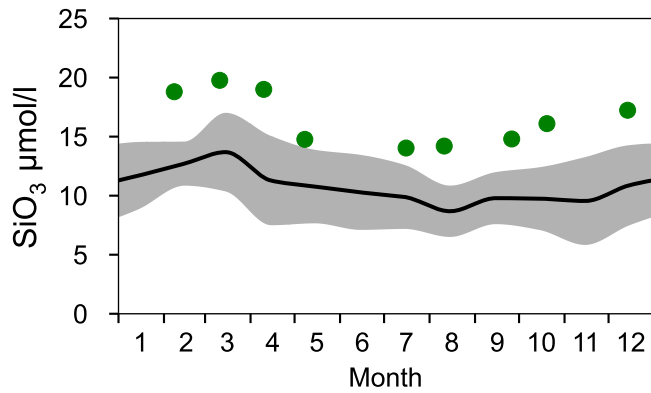
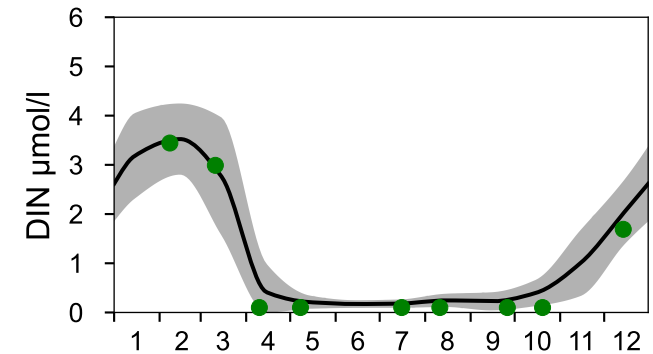
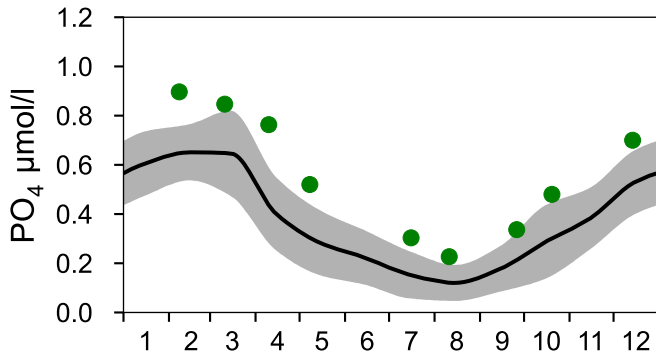
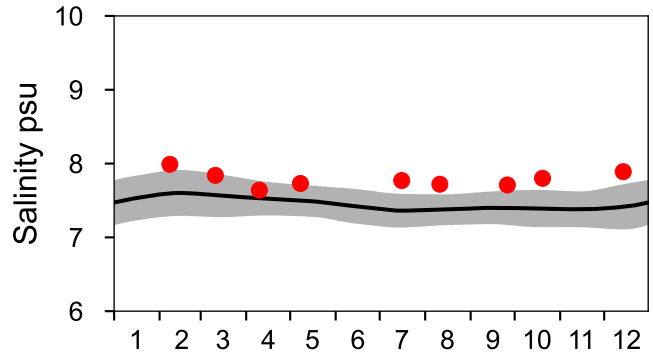
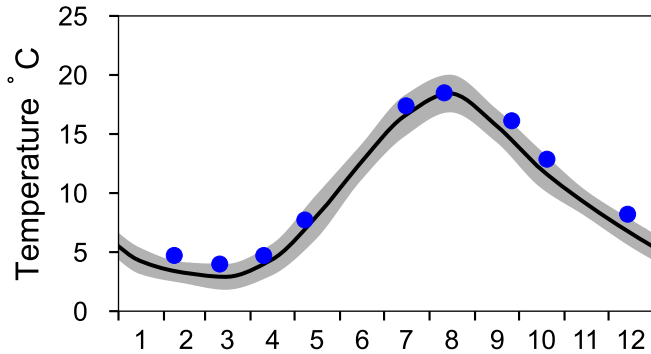
— Mean 1991-2020 ■ St.Dev. ● 2025-12-14



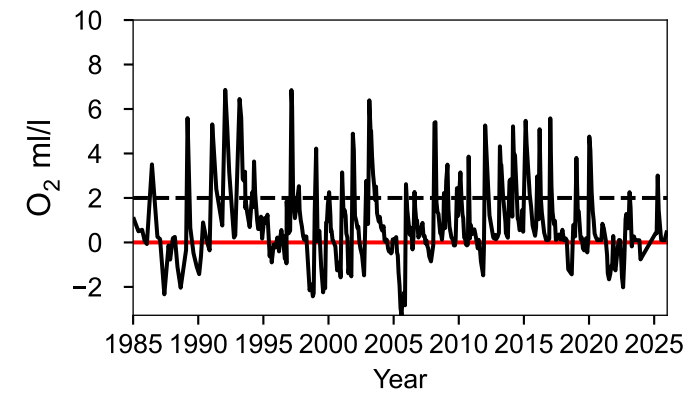
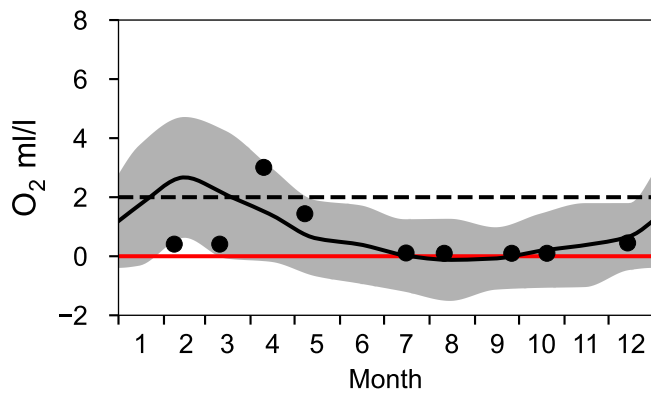
STATION BY4 CHRISTIANSÖ SURFACE WATER (0-10 m)

Annual Cycles

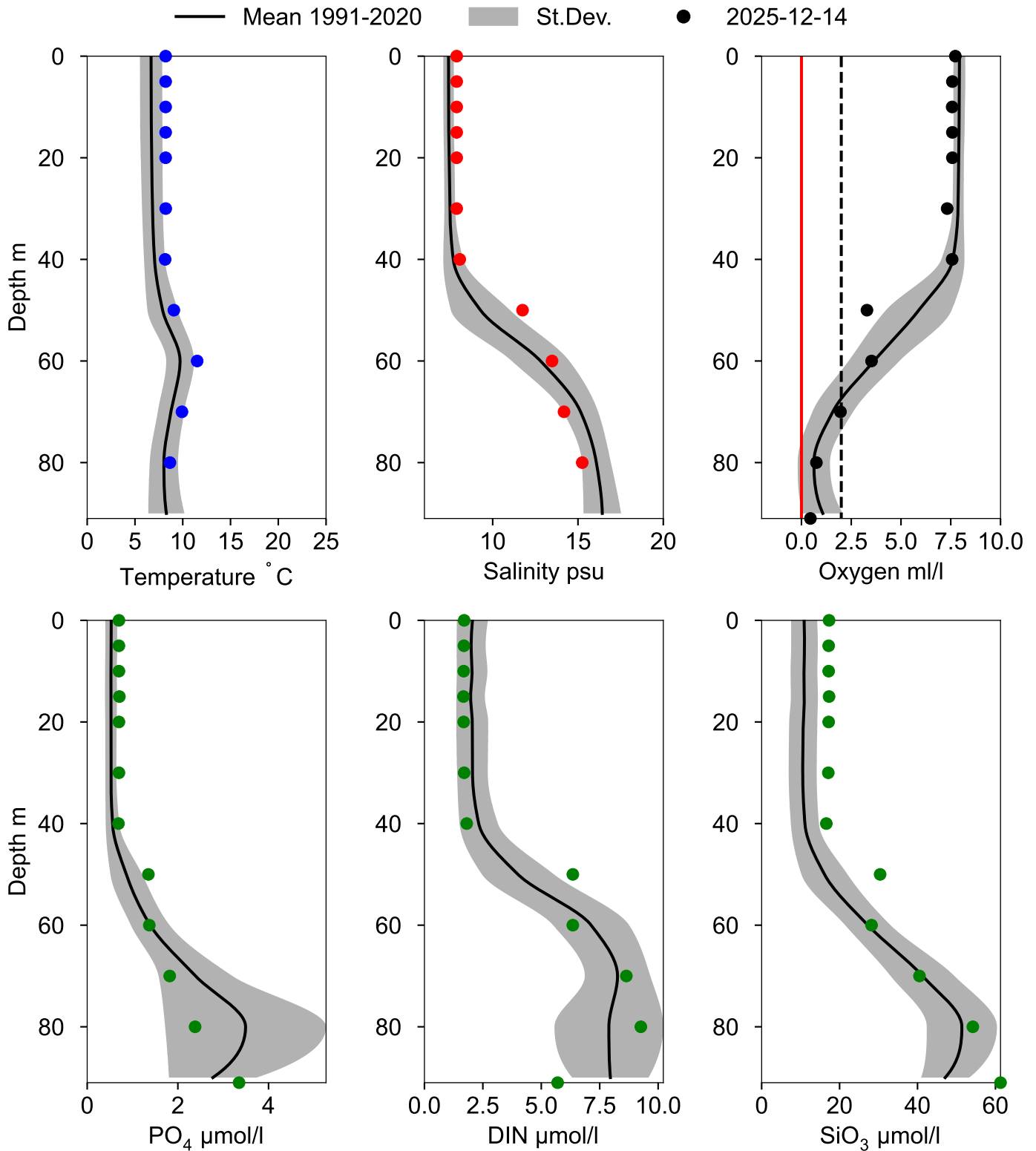
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 80 m)



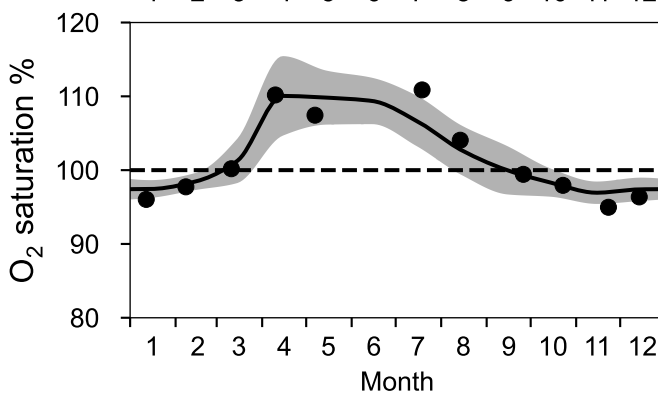
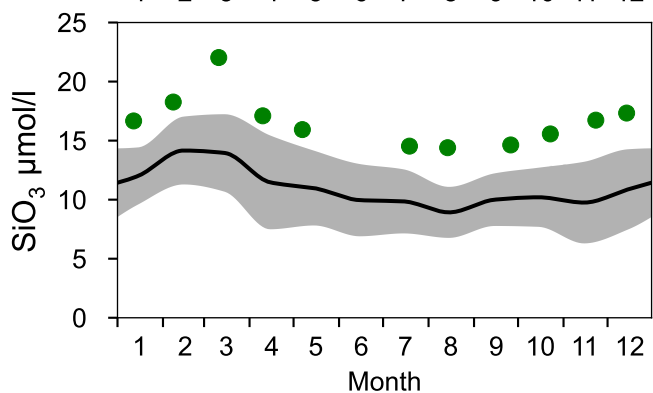
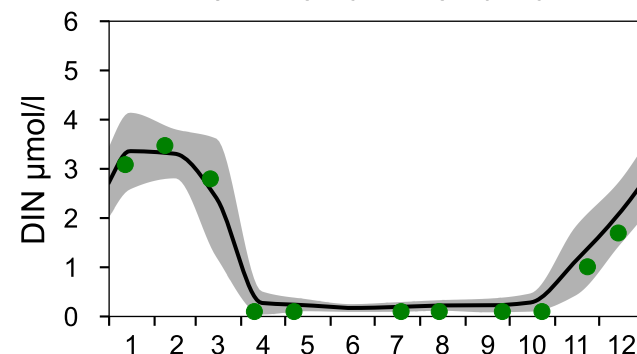
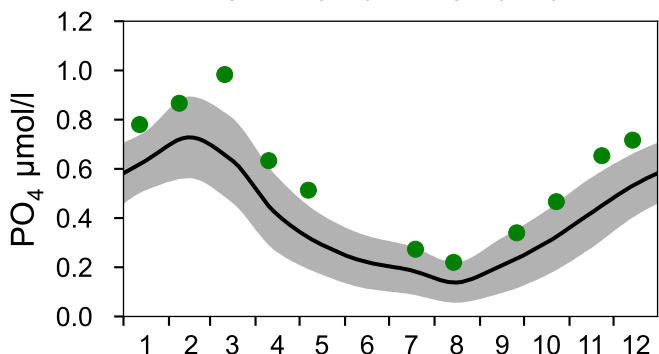
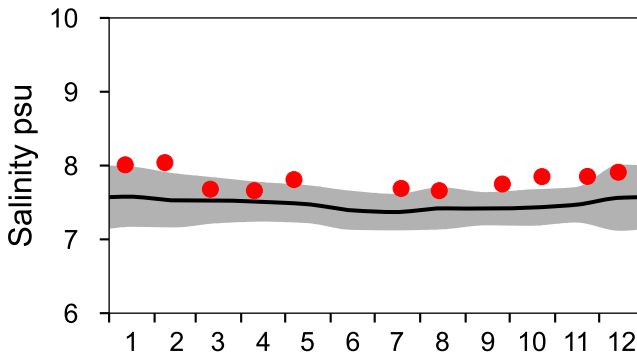
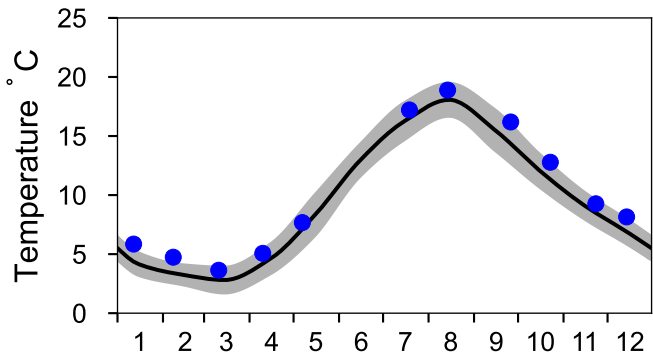
Vertical profiles BY4 CHRISTIANSÖ December



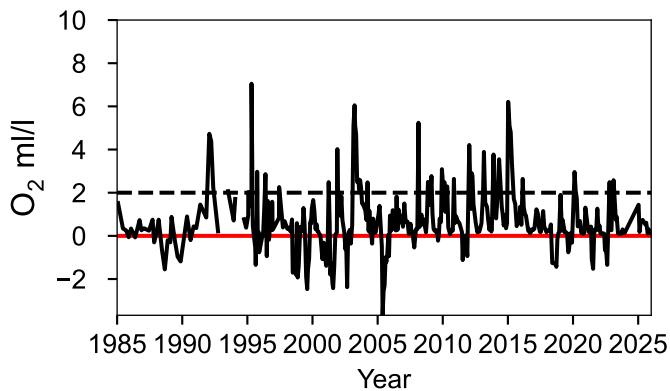
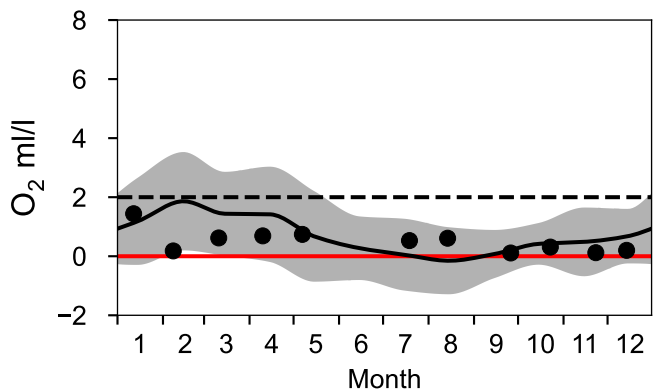
STATION HANÖBUKTEN SURFACE WATER (0-10 m)

Annual Cycles

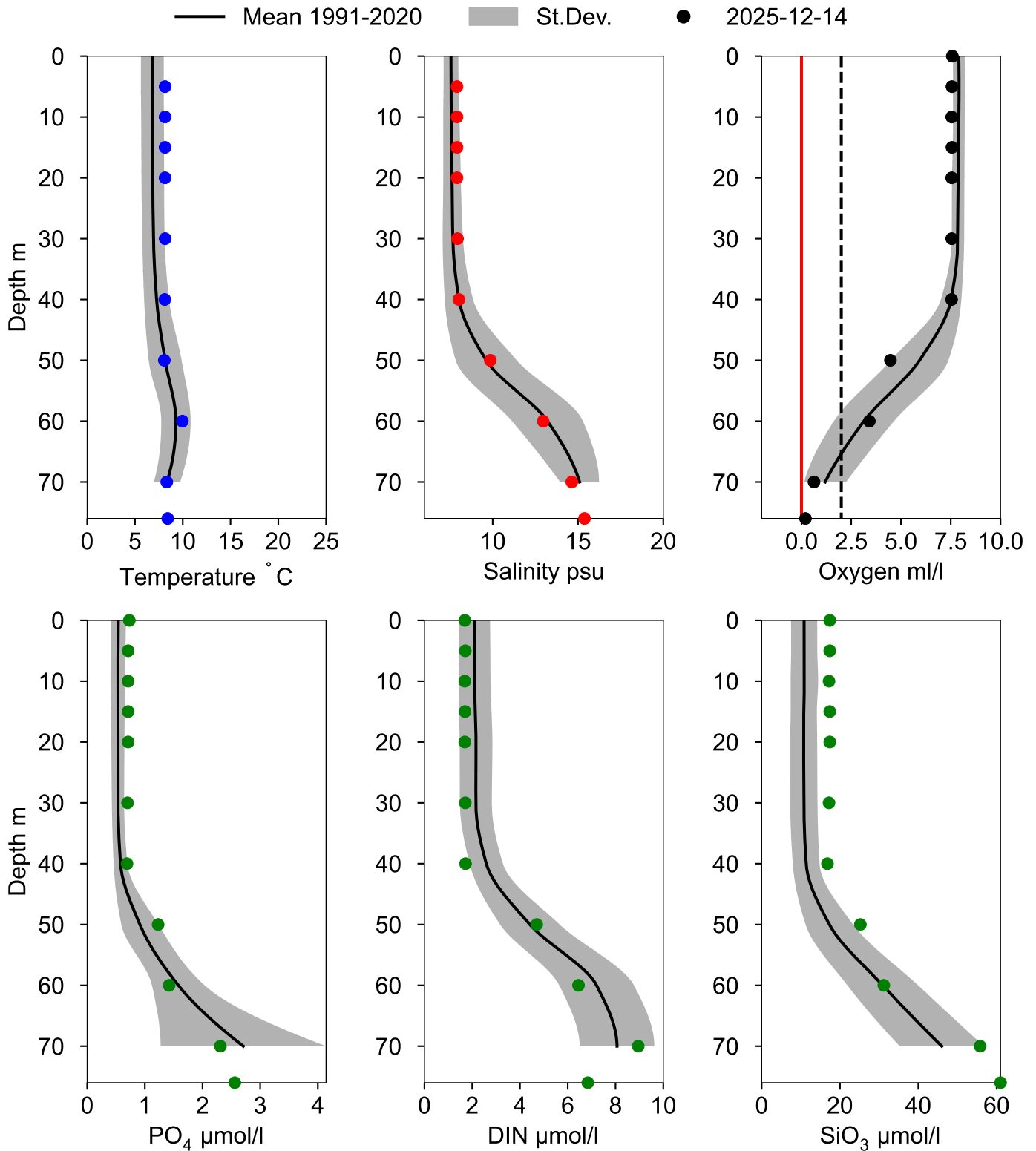
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 70 m)



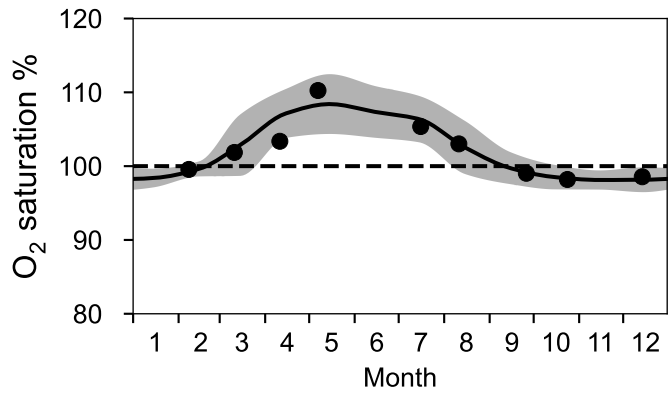
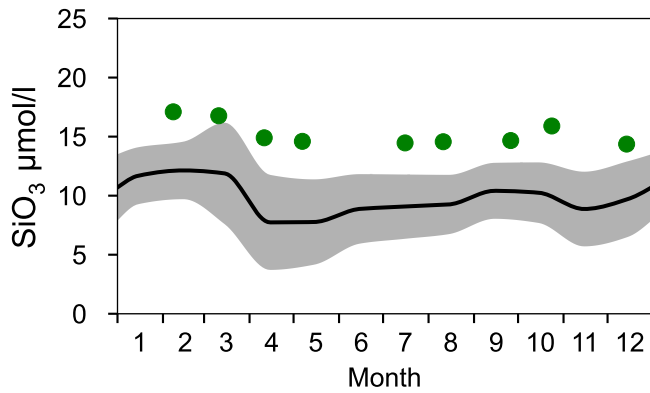
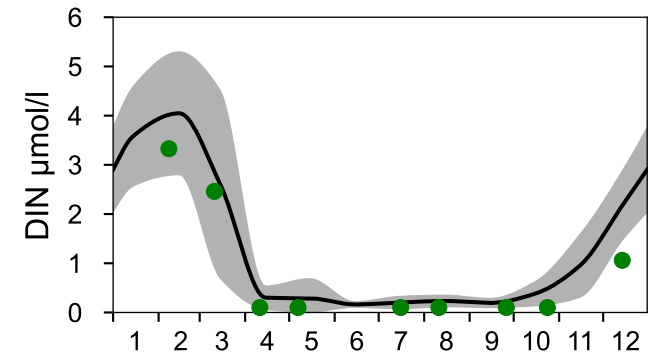
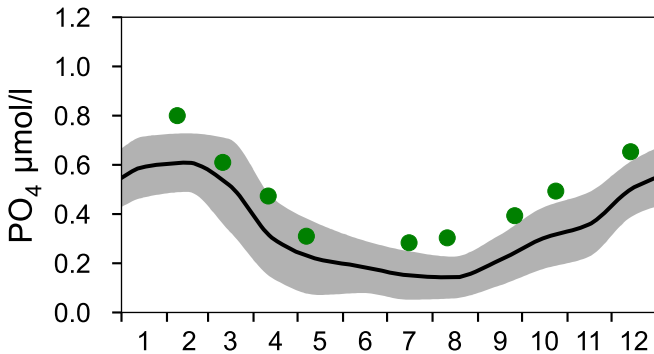
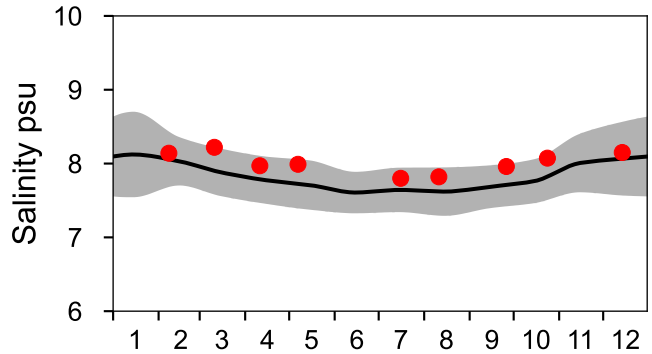
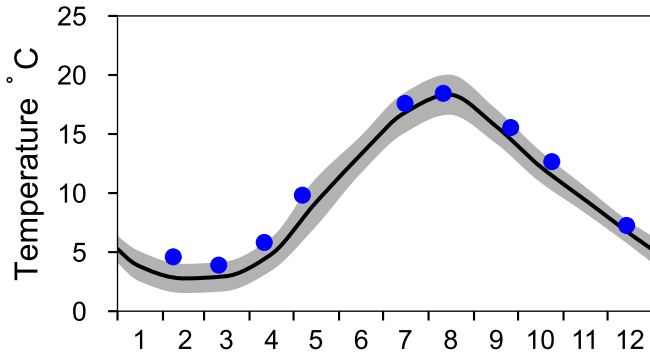
Vertical profiles HANÖBUKTEN December



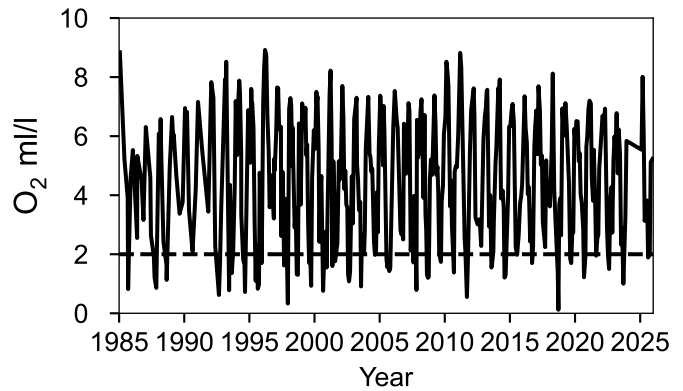
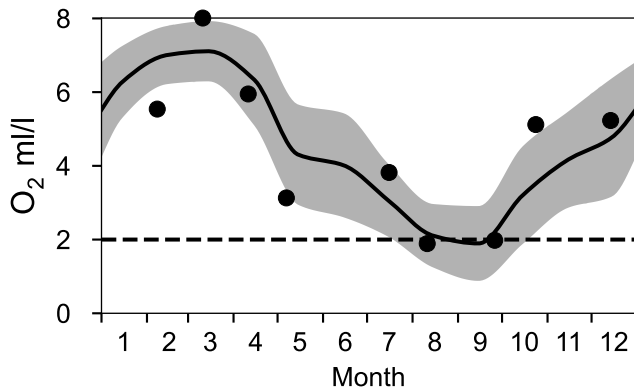
STATION BY2 ARKONA SURFACE WATER (0-10 m)

Annual Cycles

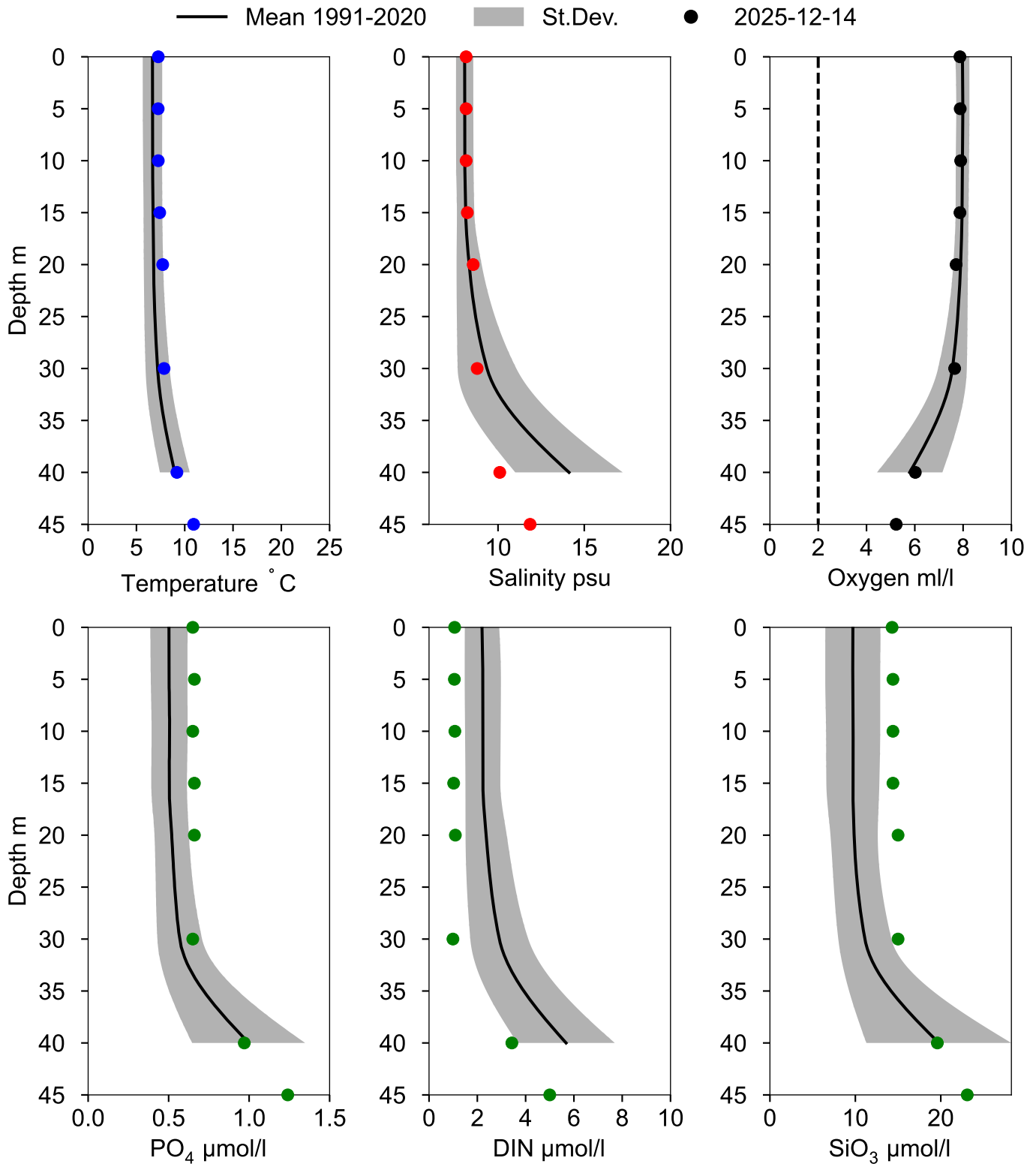
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 40 m)



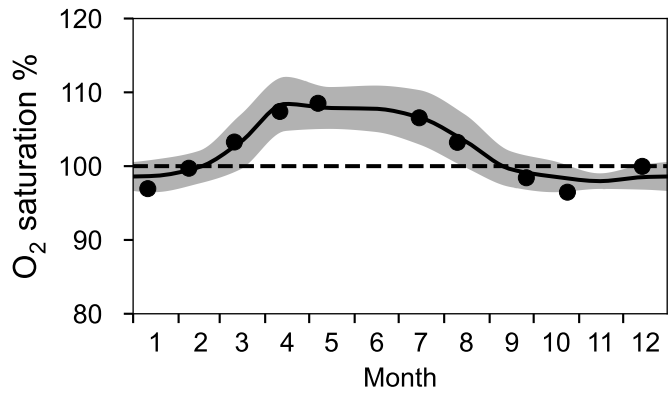
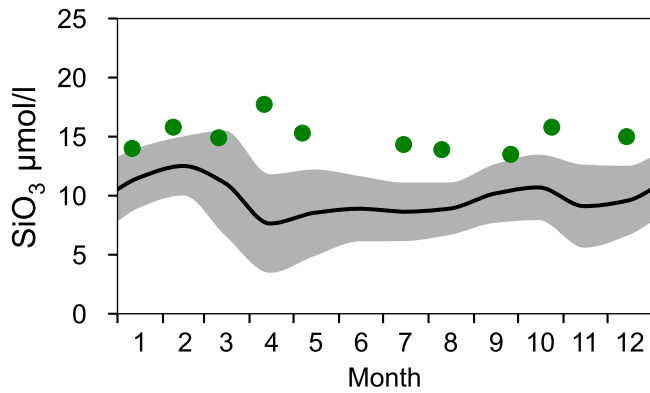
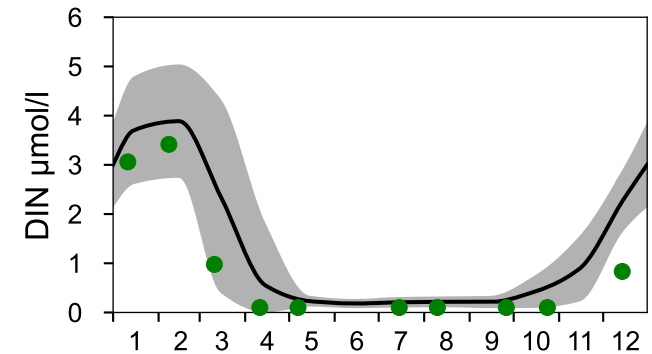
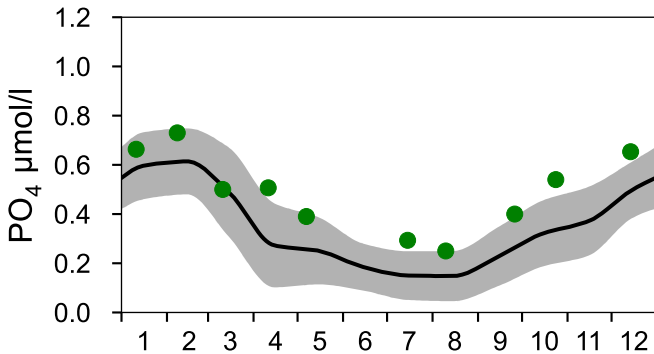
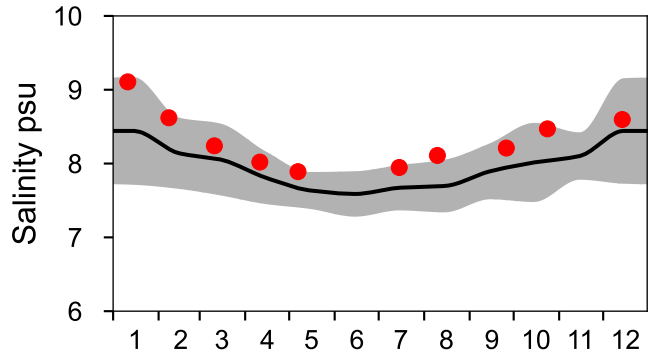
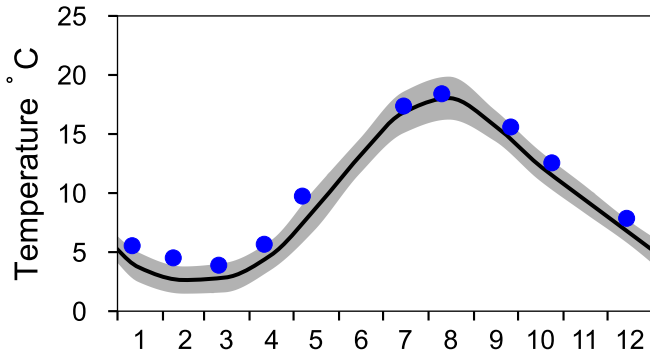
Vertical profiles BY2 ARKONA December



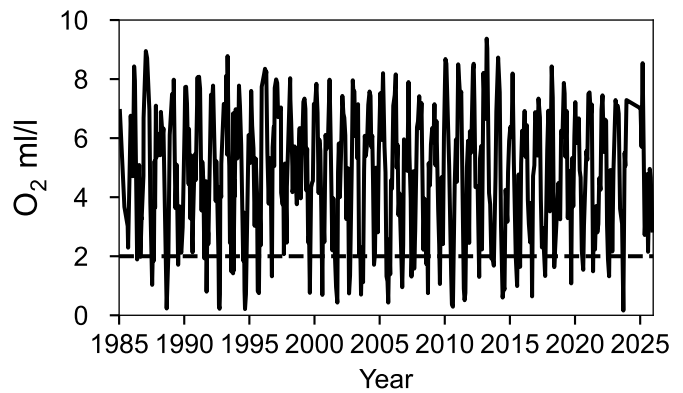
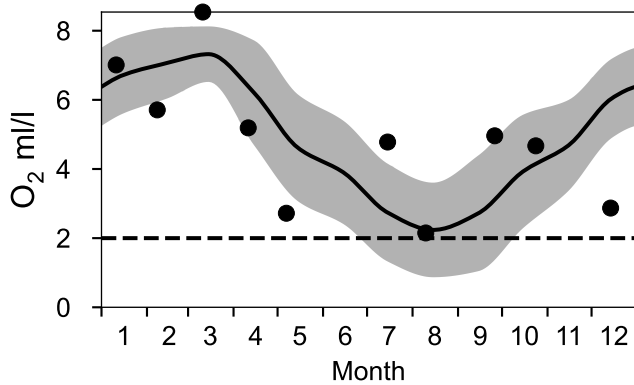
STATION BY1 SURFACE WATER (0-10 m)

Annual Cycles

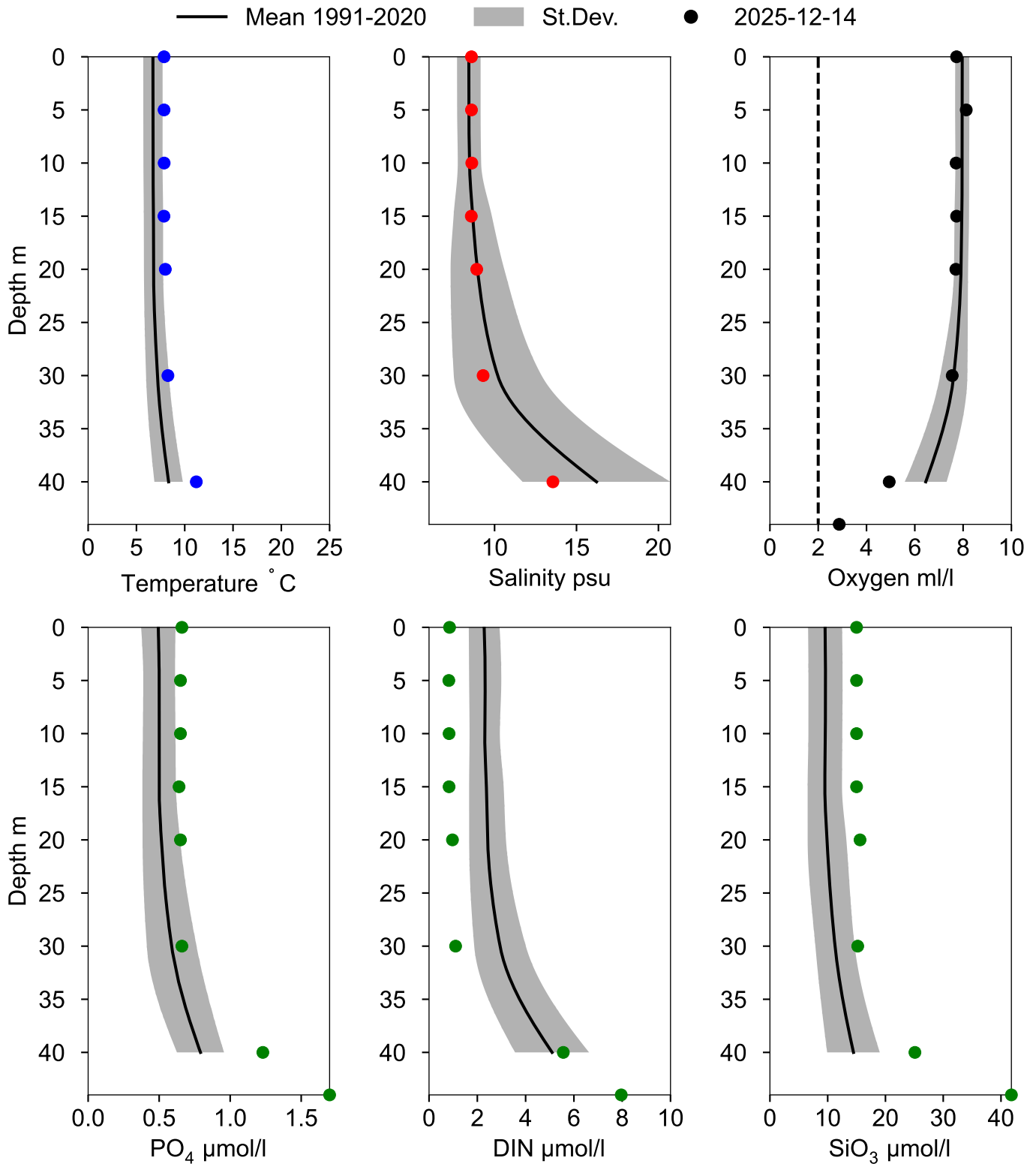
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 39 m)



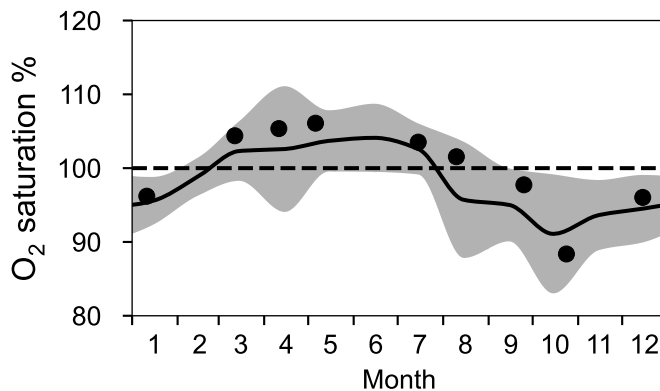
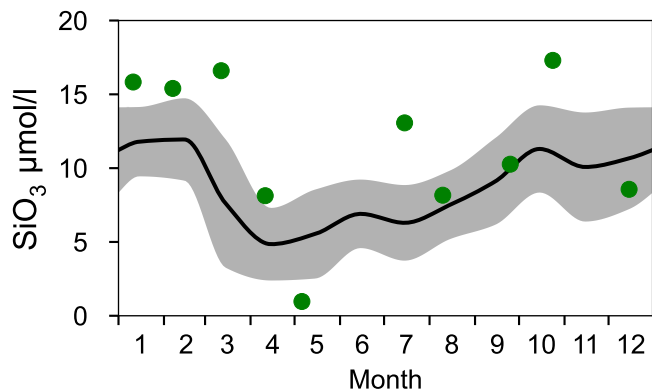
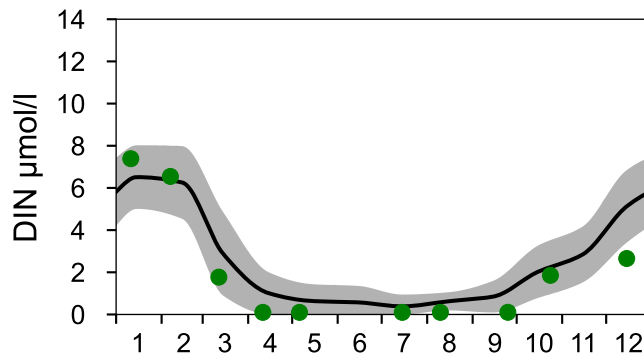
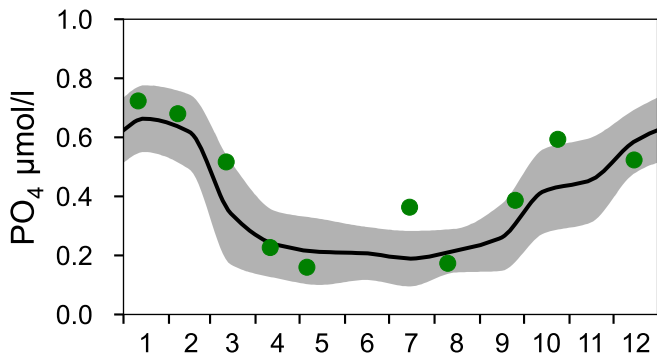
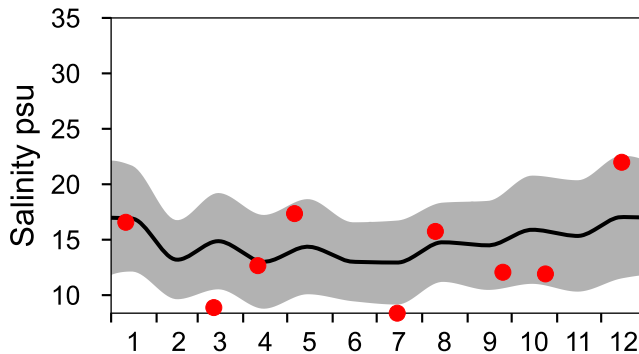
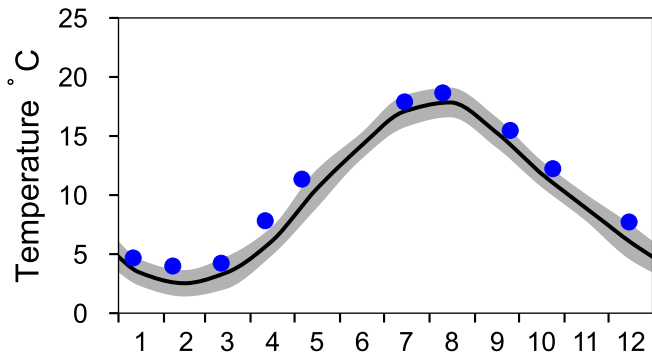
Vertical profiles BY1 December



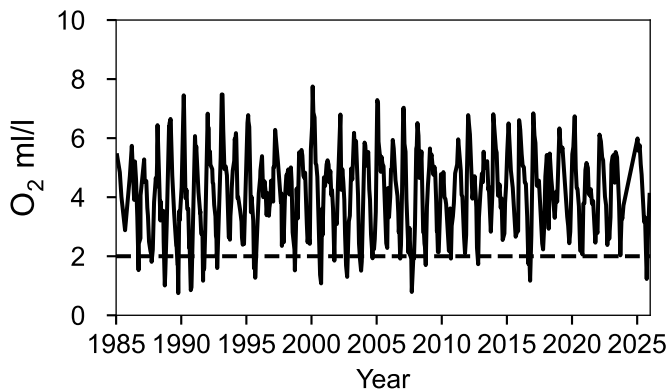
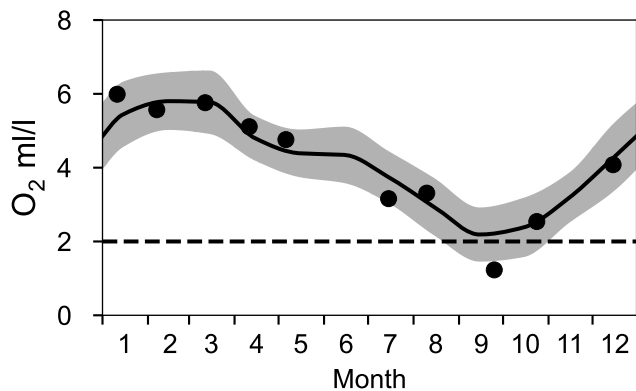
STATION W LANDSKRONA SURFACE WATER (0-10 m)

Annual Cycles

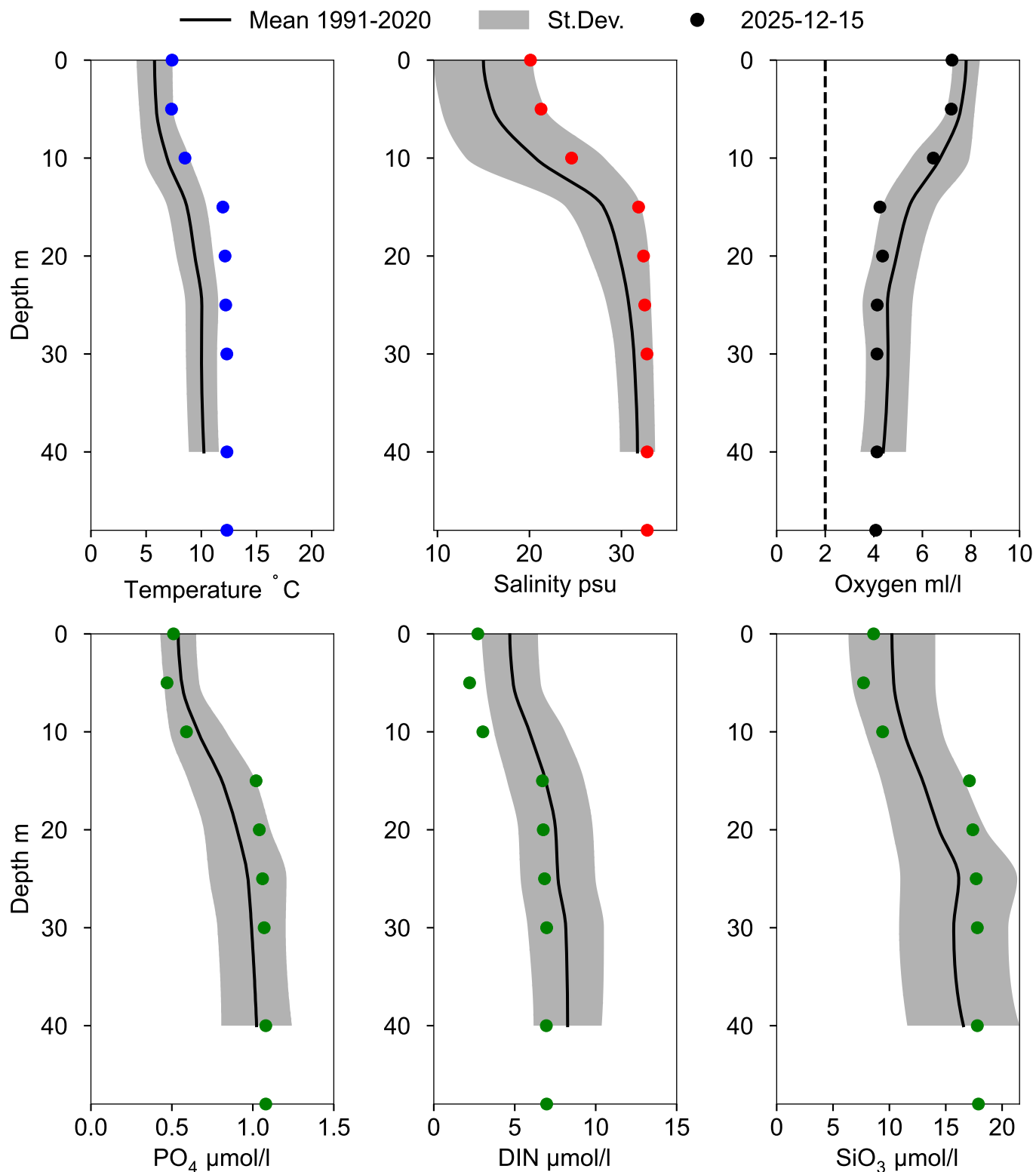
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 40 m)



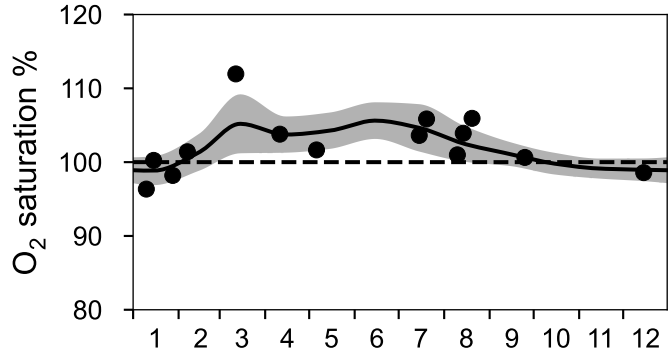
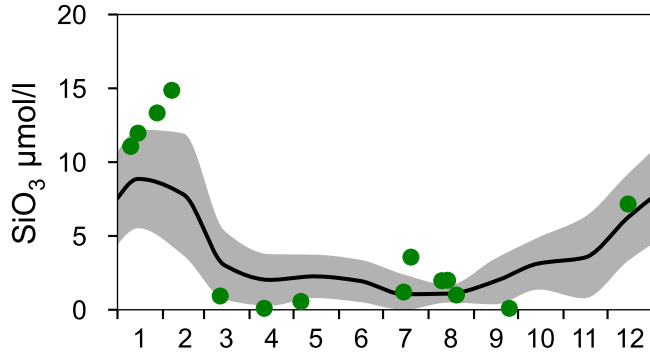
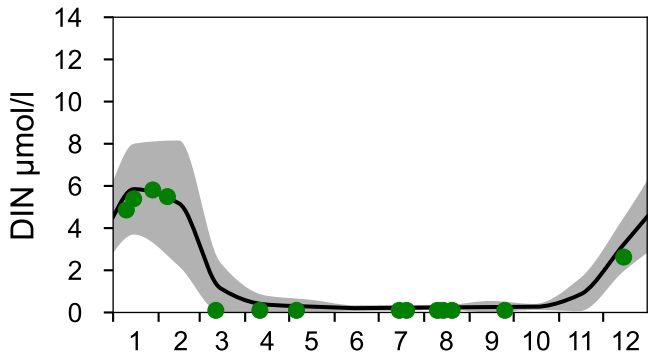
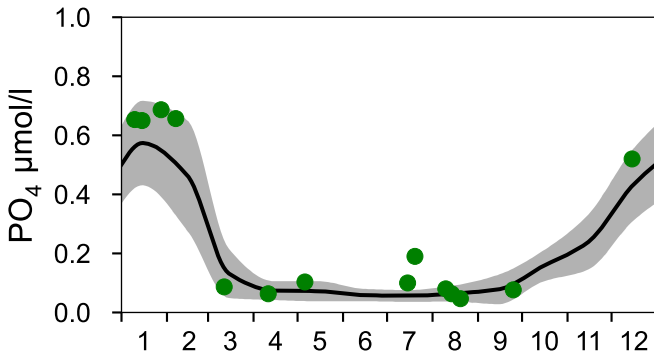
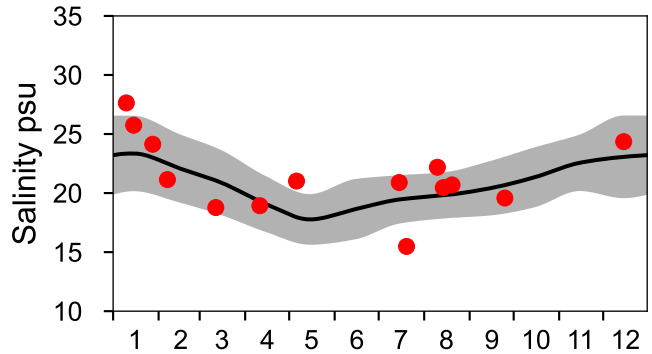
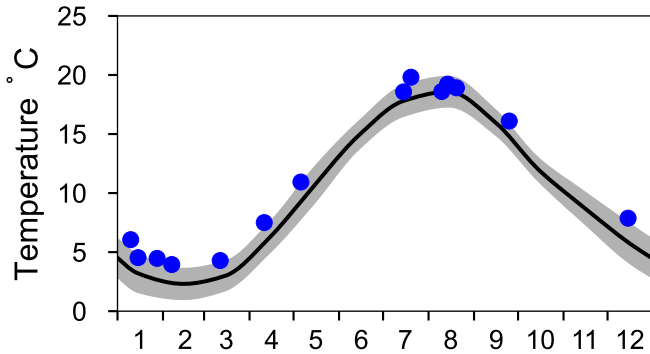
Vertical profiles W LANDSKRONA December



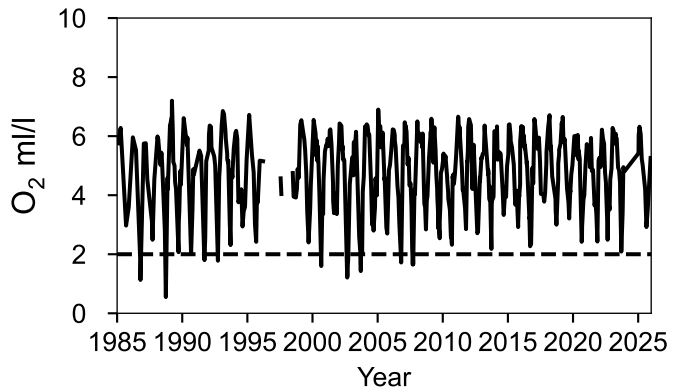
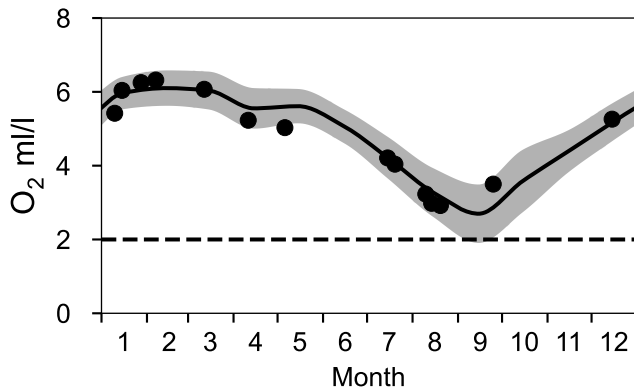
STATION ANHOLT E SURFACE WATER (0-10 m)

Annual Cycles

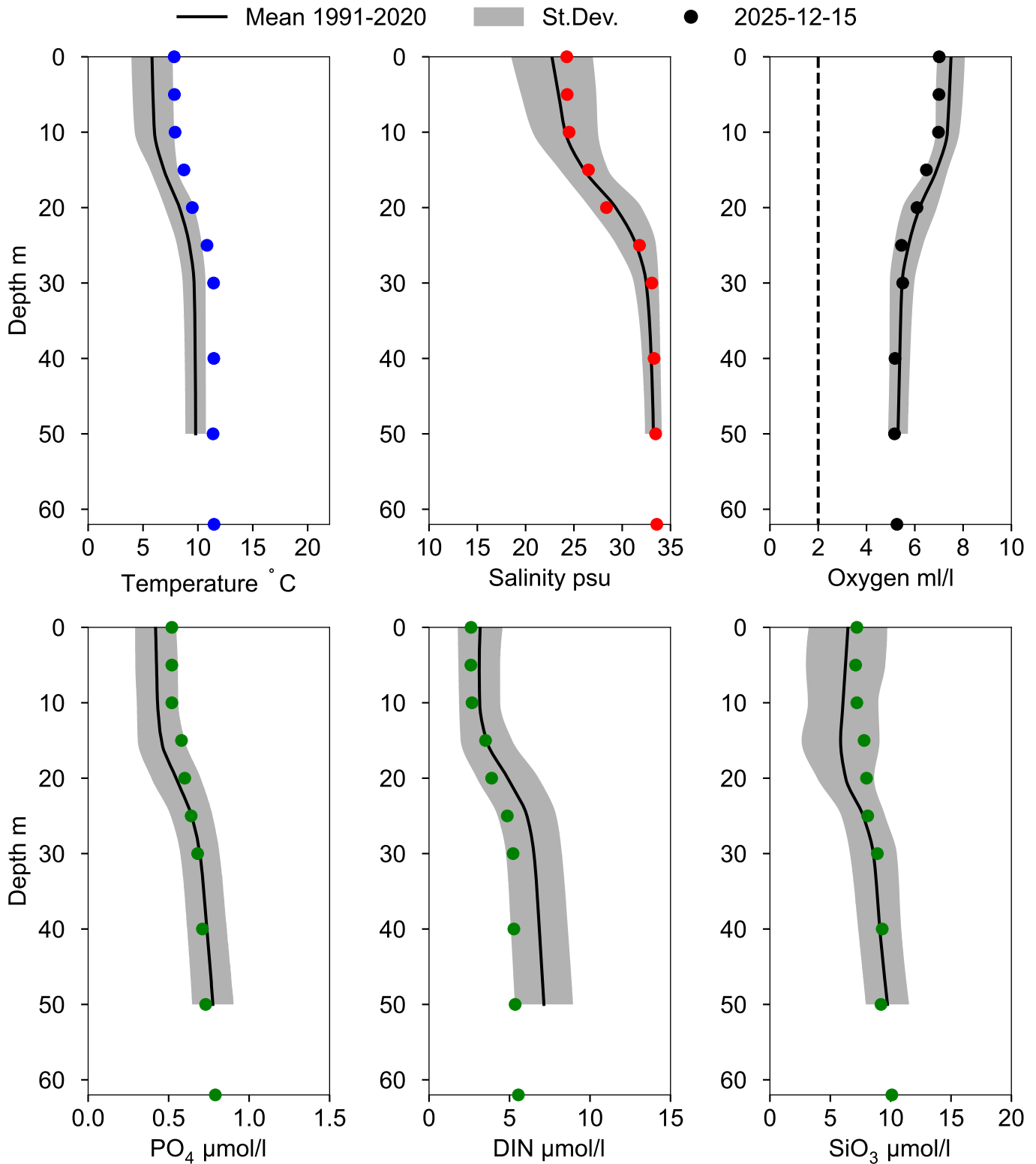
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 52 m)



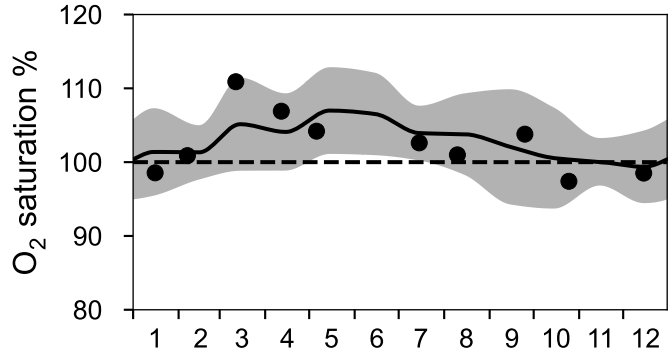
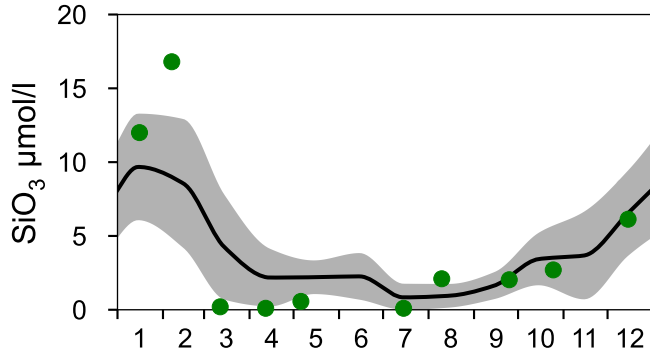
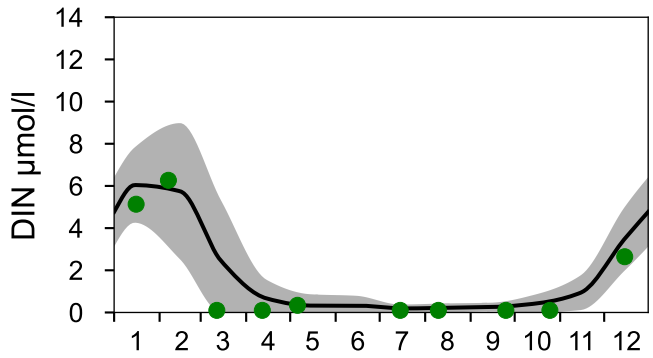
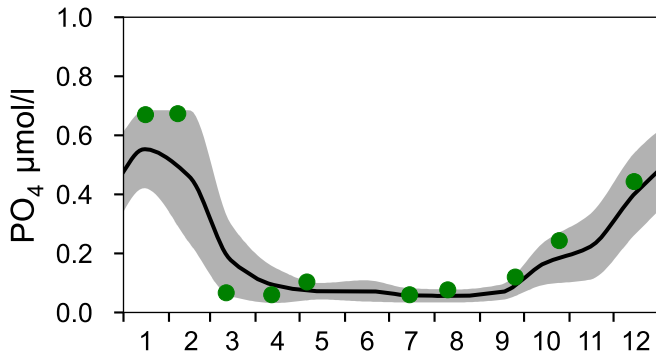
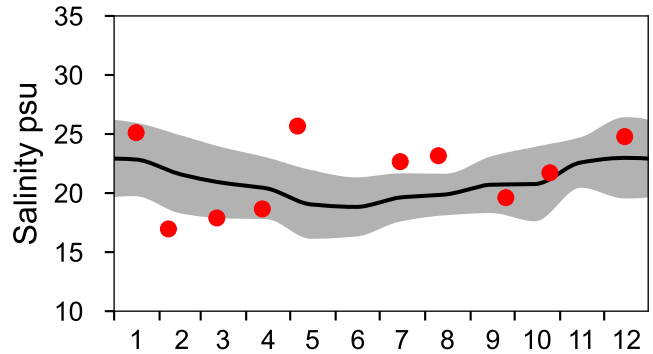
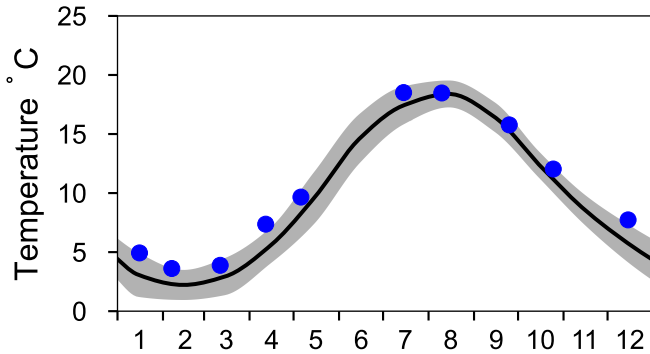
Vertical profiles ANHOLT E December



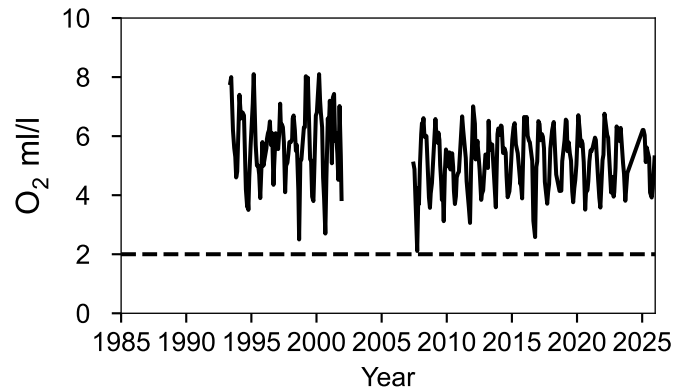
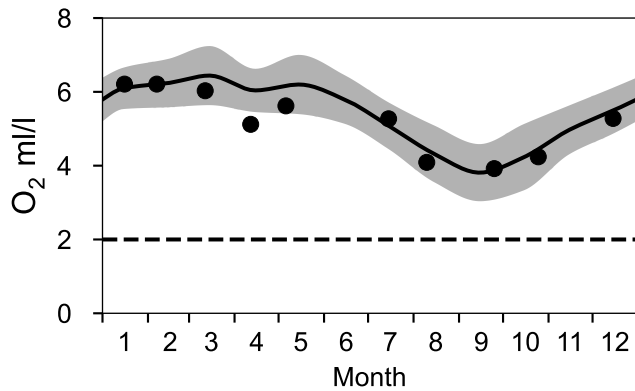
STATION N14 FALKENBERG SURFACE WATER (0-10 m)

Annual Cycles

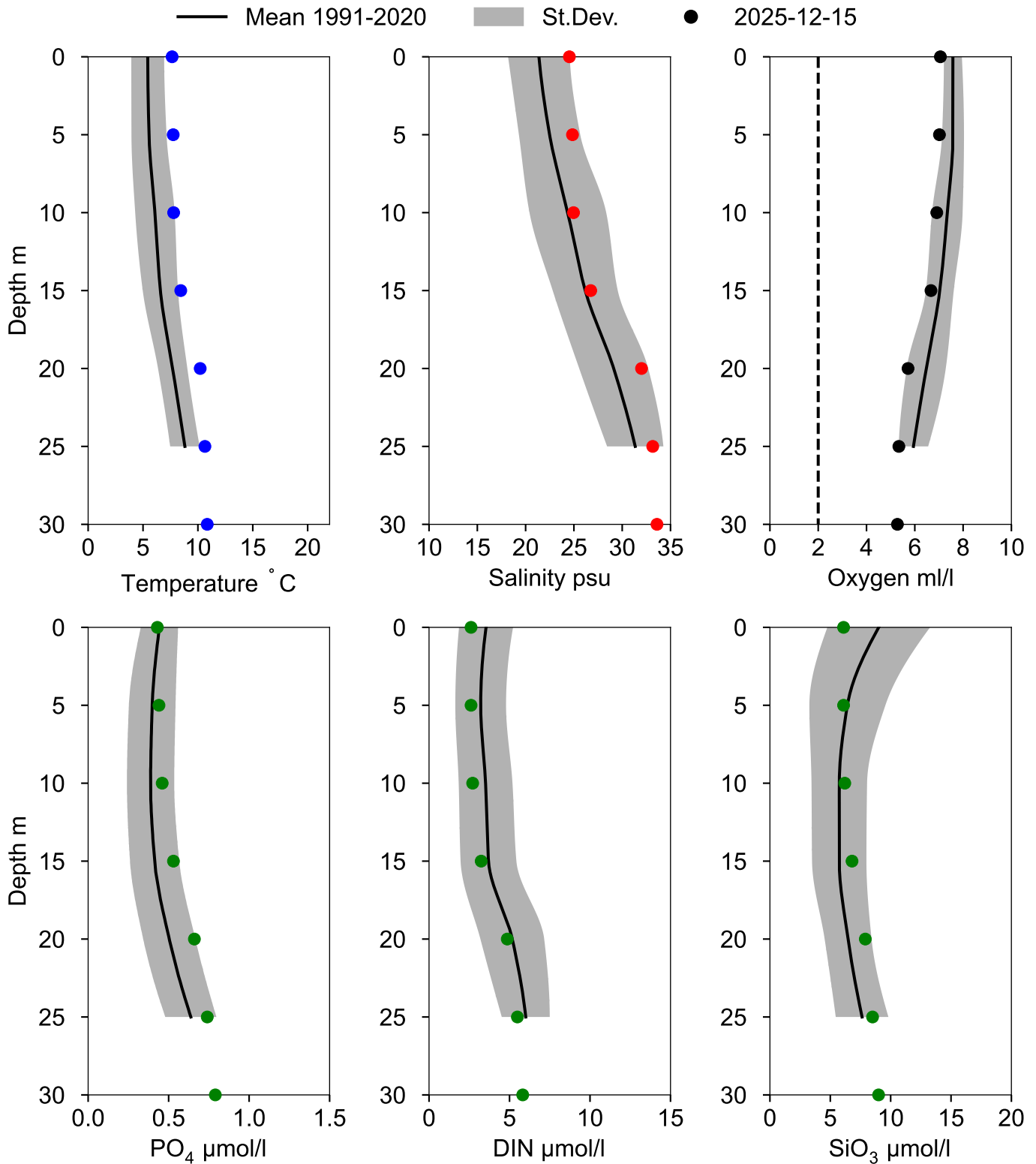
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 25 m)



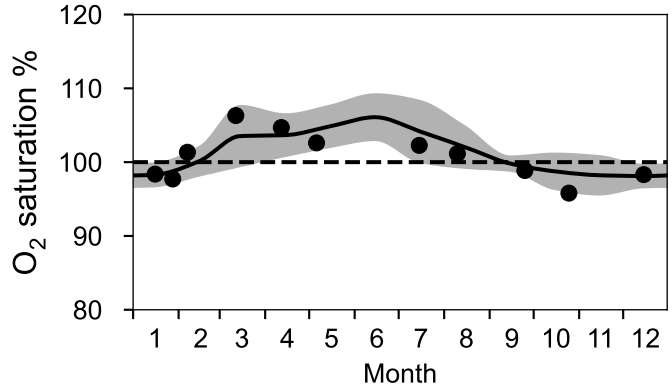
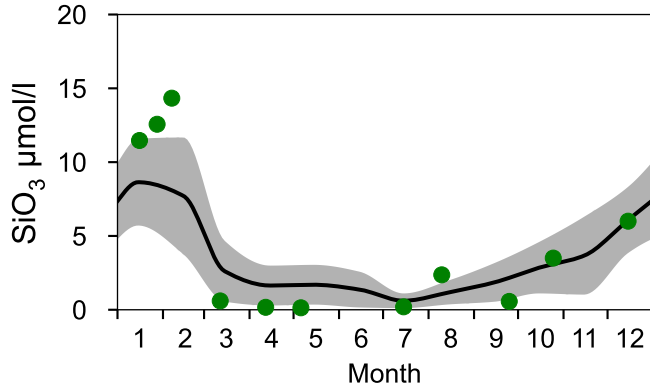
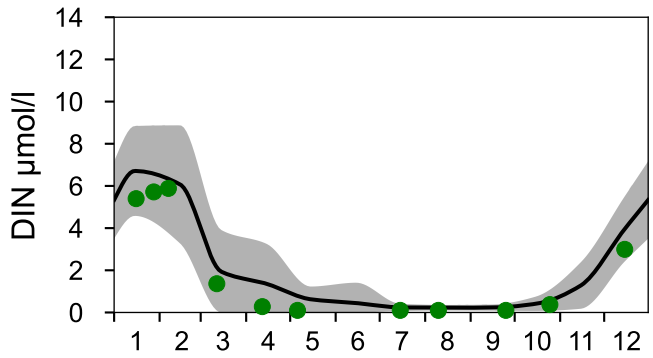
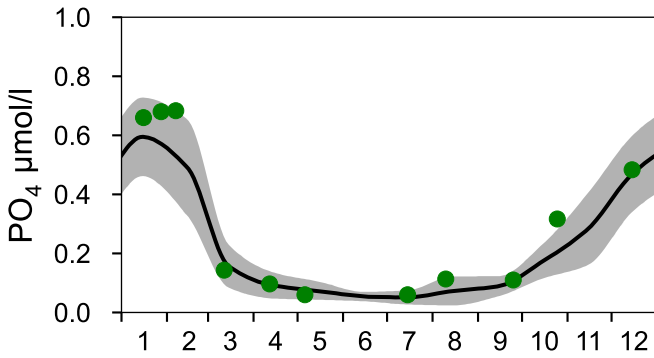
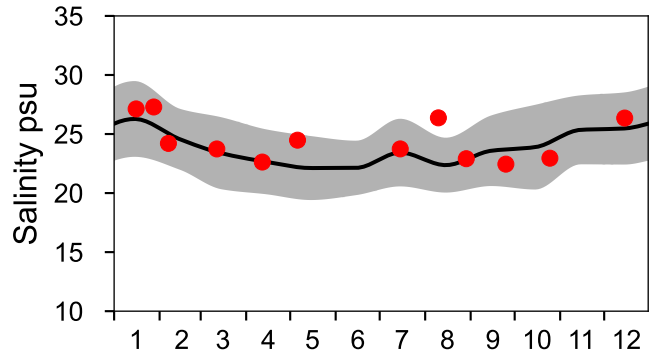
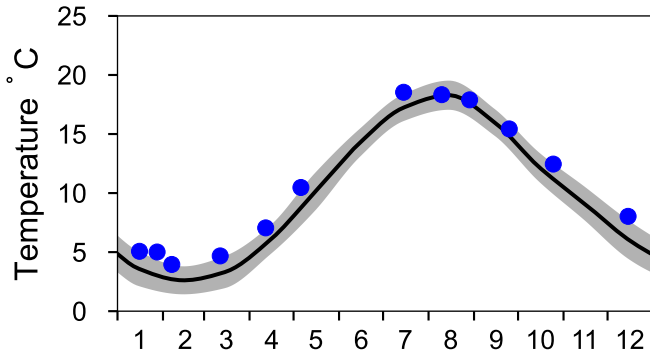
Vertical profiles N14 FALKENBERG December



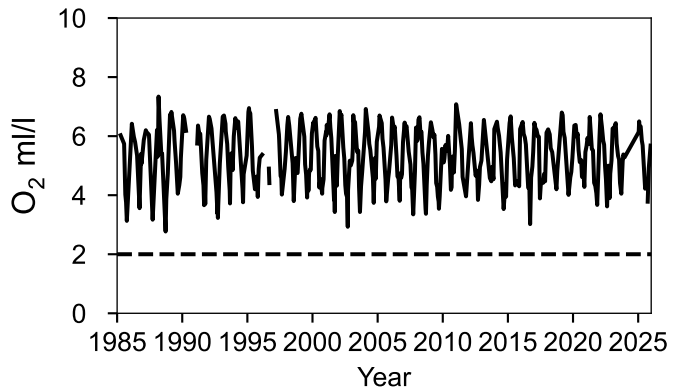
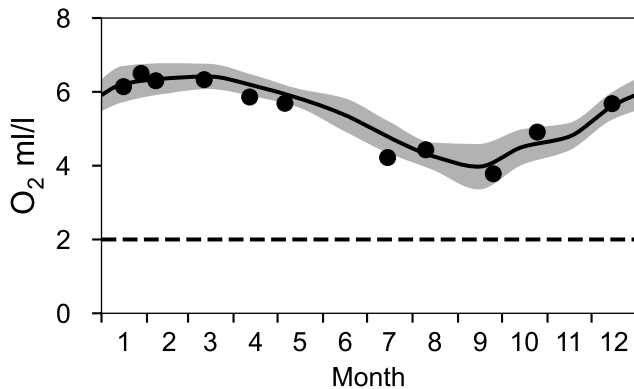
STATION FLADEN SURFACE WATER (0-10 m)

Annual Cycles

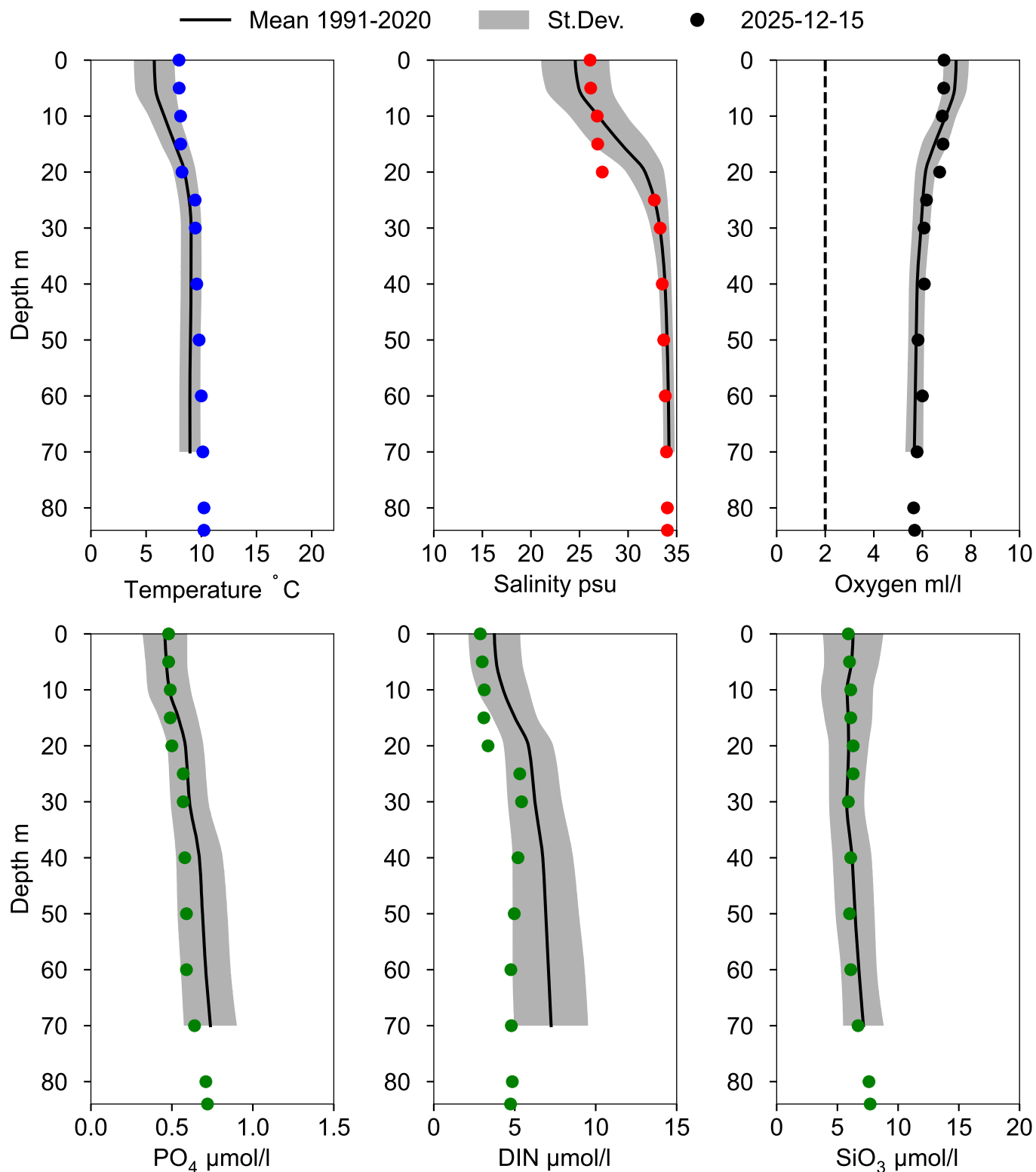
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 74 m)



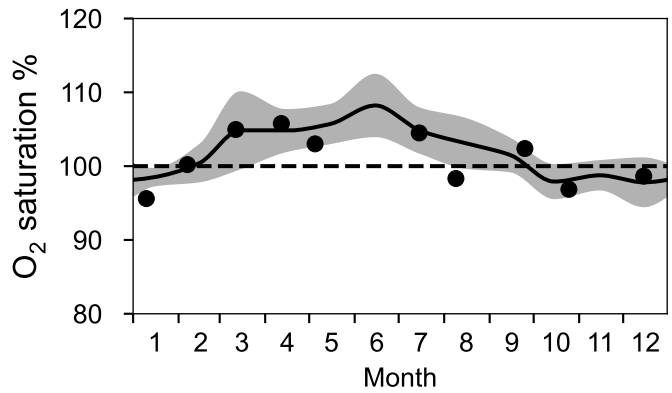
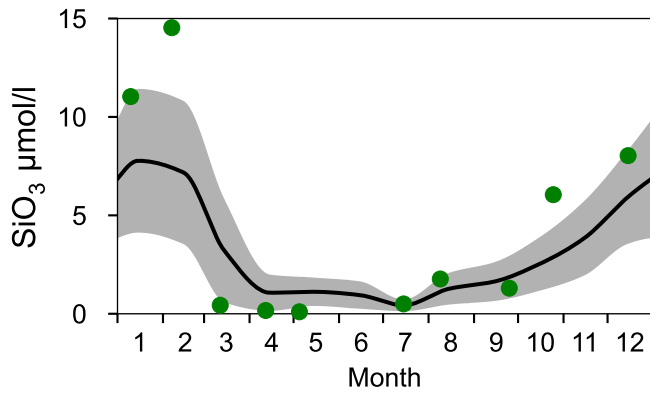
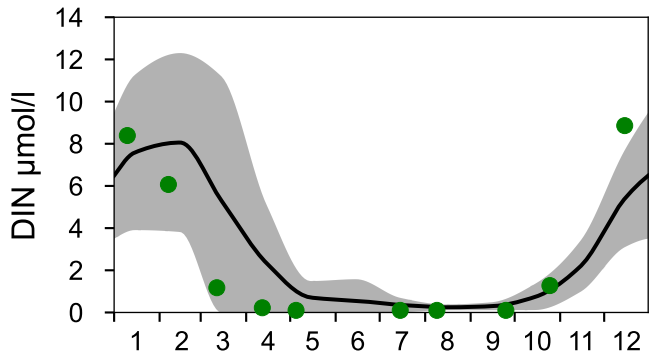
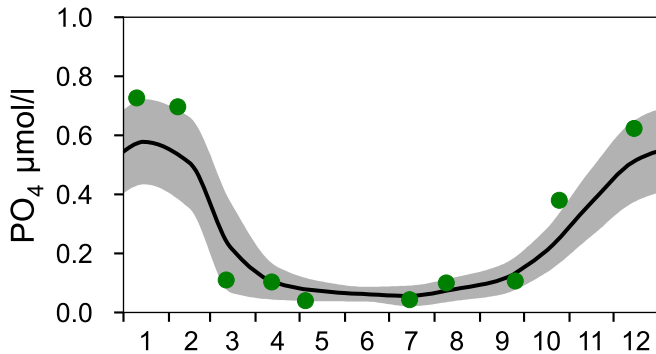
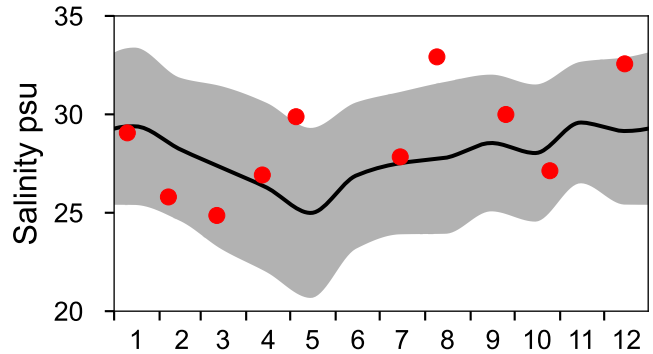
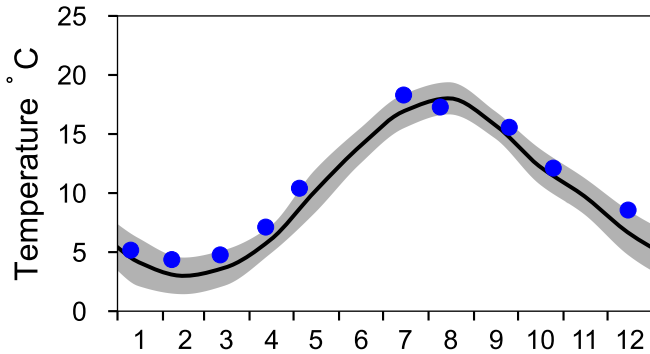
Vertical profiles FLADEN December



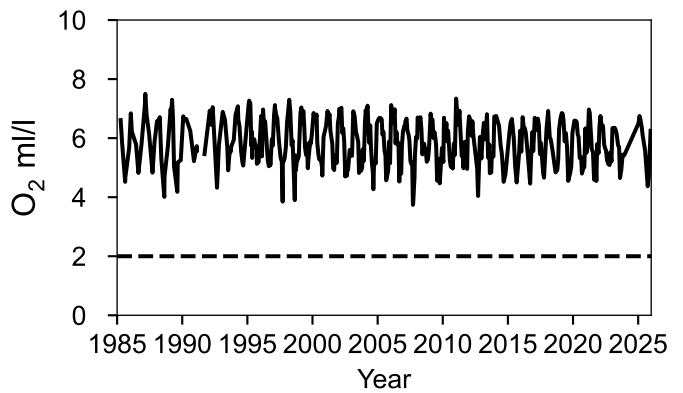
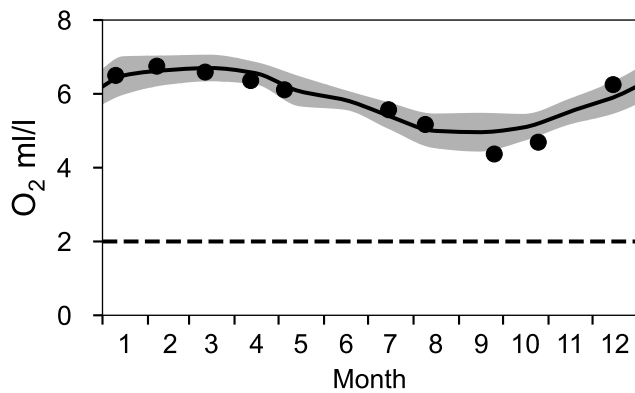
STATION P2 SURFACE WATER (0-10 m)

Annual Cycles

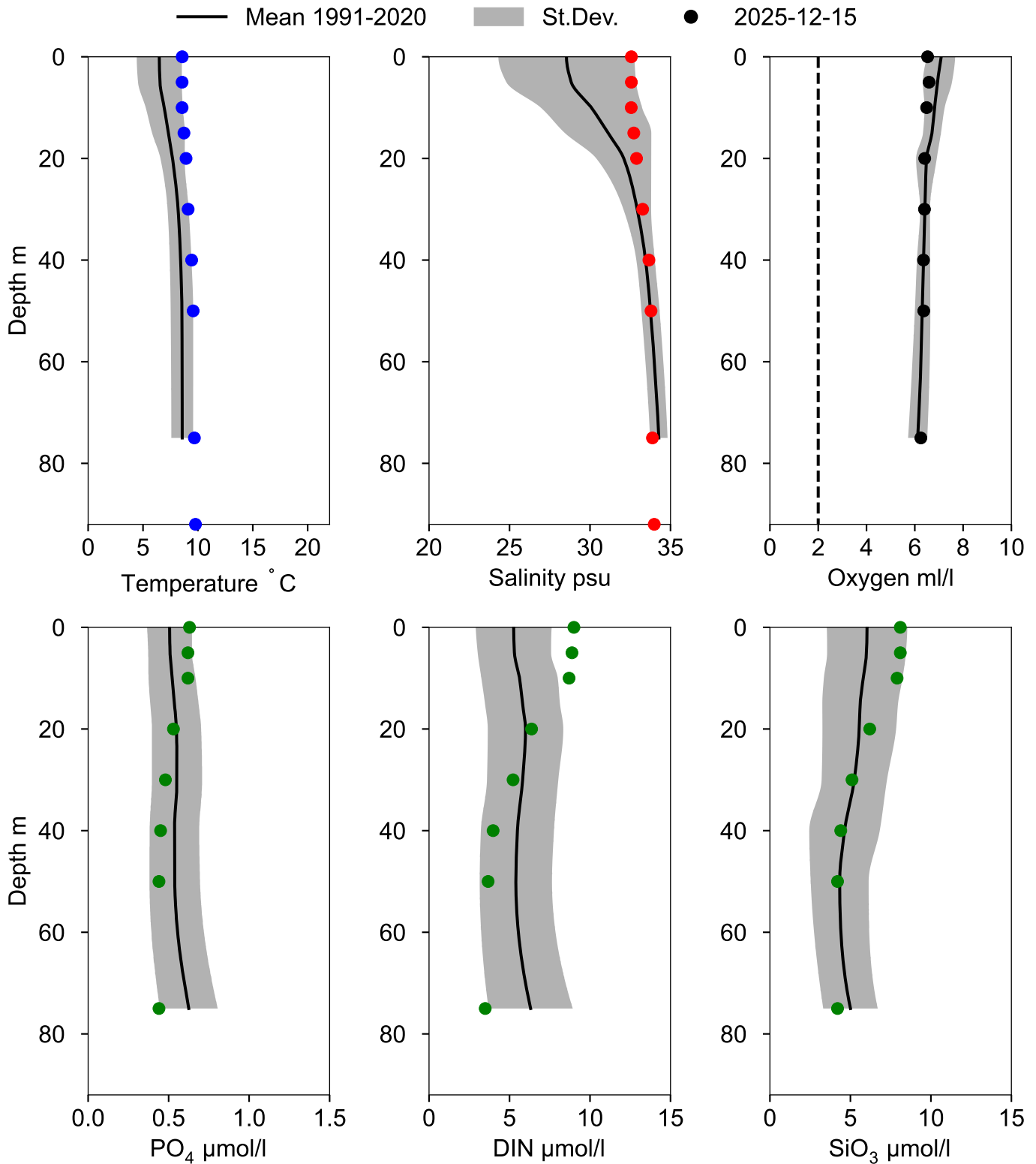
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 75 m)



Vertical profiles P2 December



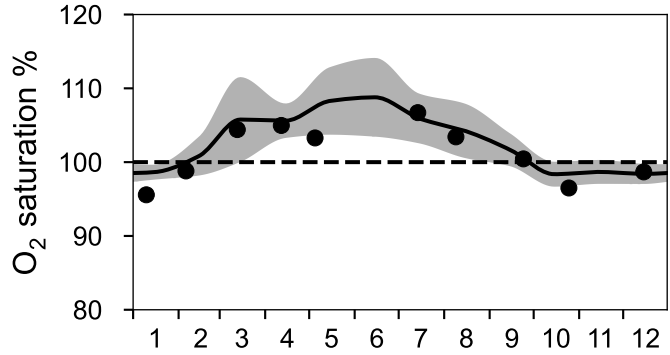
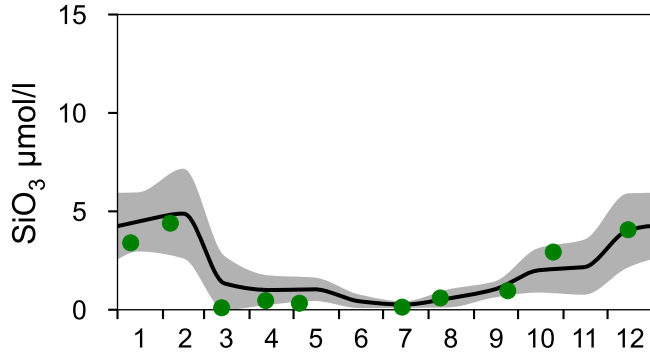
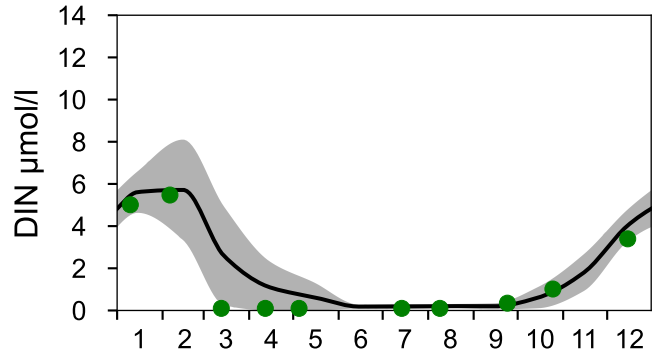
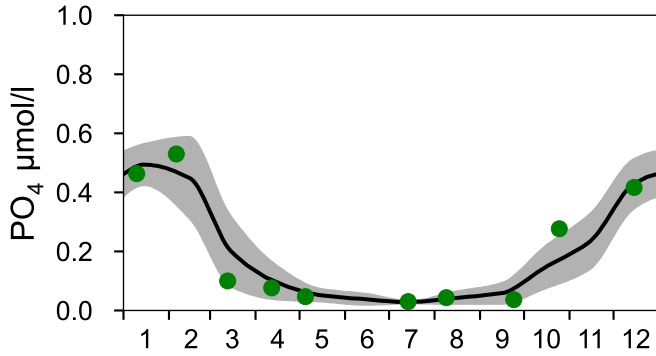
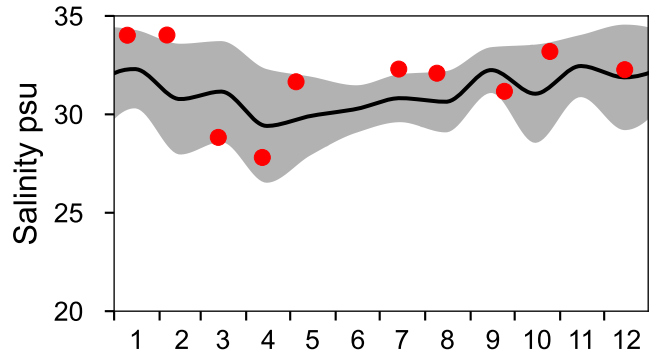
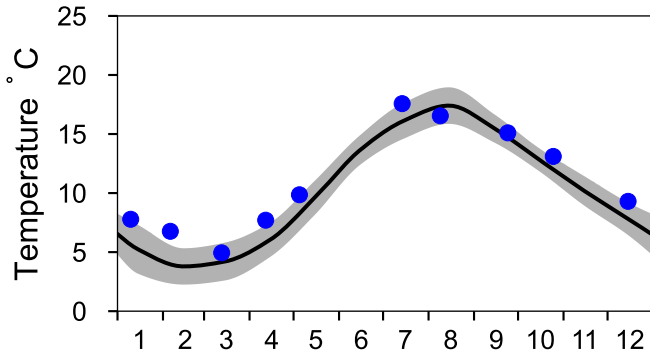
STATION Å17 SURFACE WATER (0-10 m)

Annual Cycles

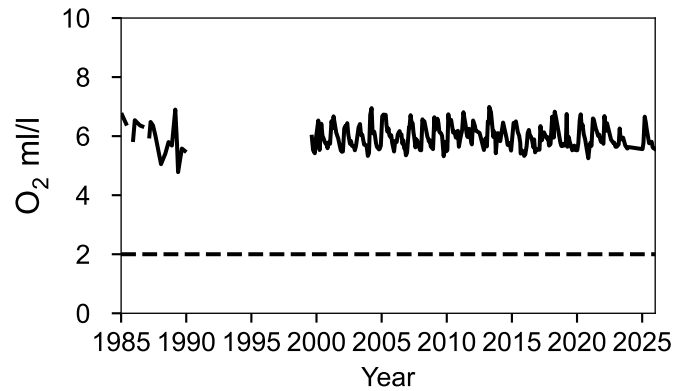
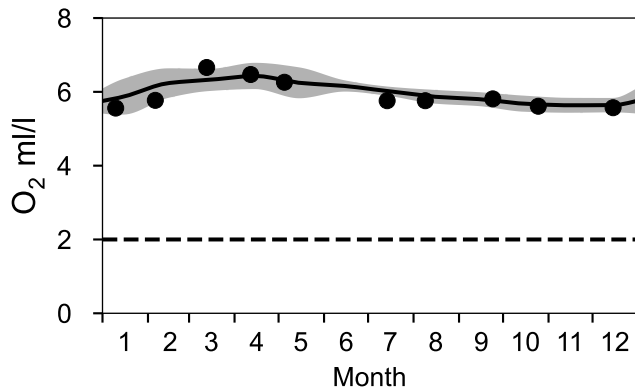
— Mean 1991-2020

■ St.Dev.

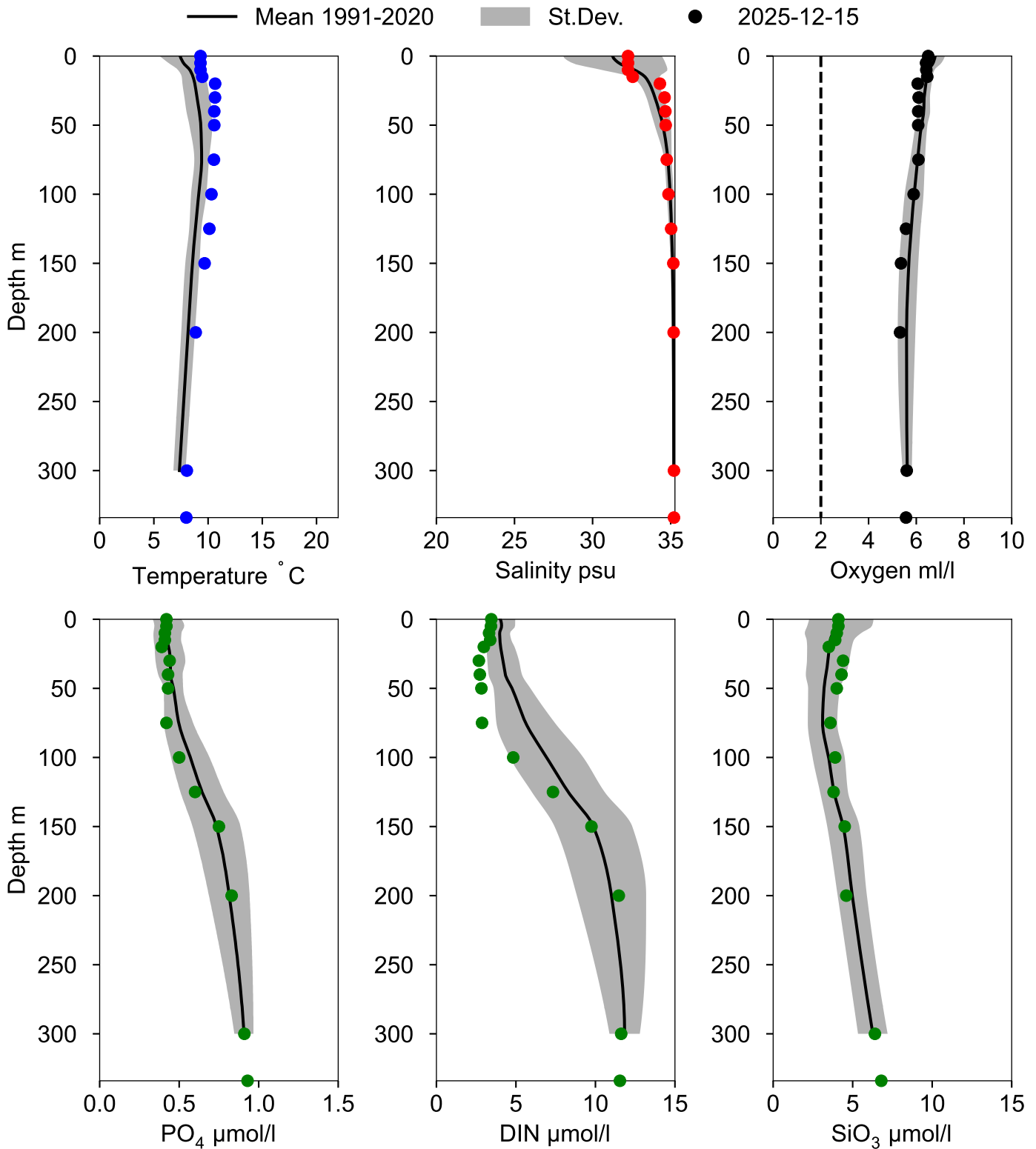
● 2025



OXYGEN IN BOTTOM WATER (depth >= 300 m)



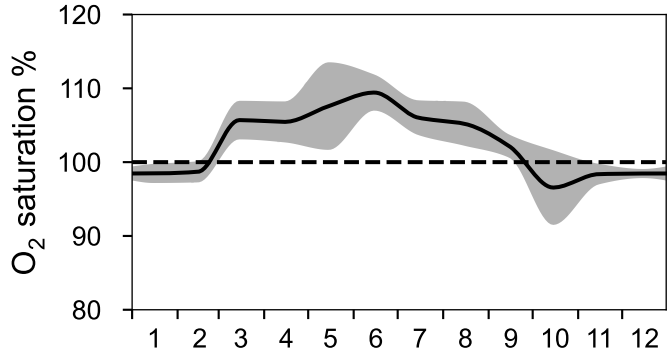
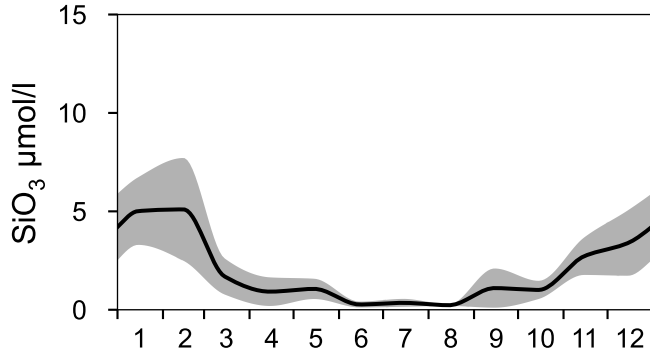
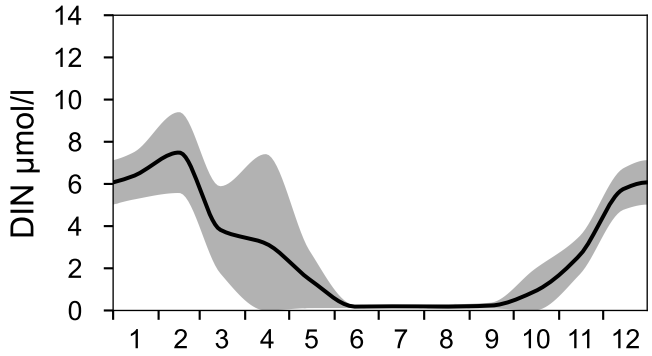
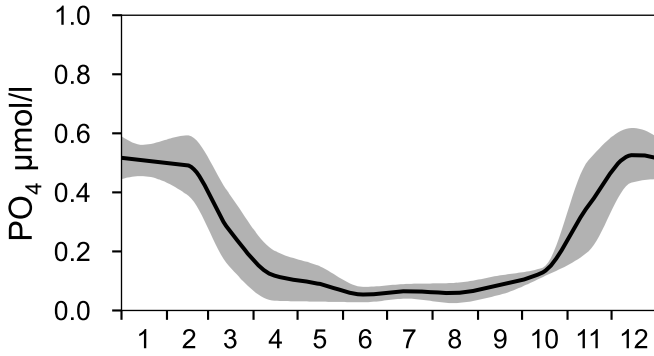
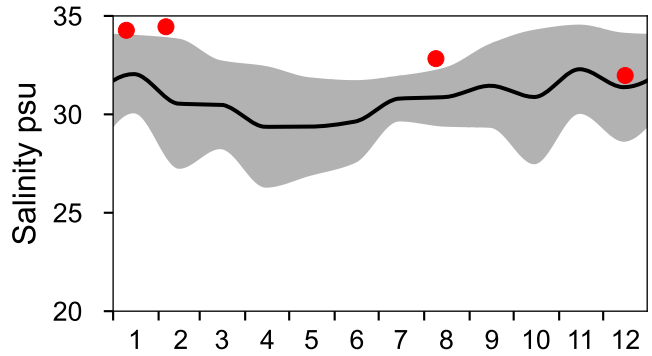
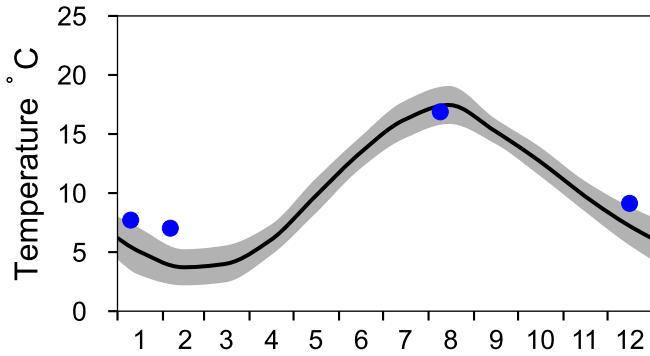
Vertical profiles Å17 December



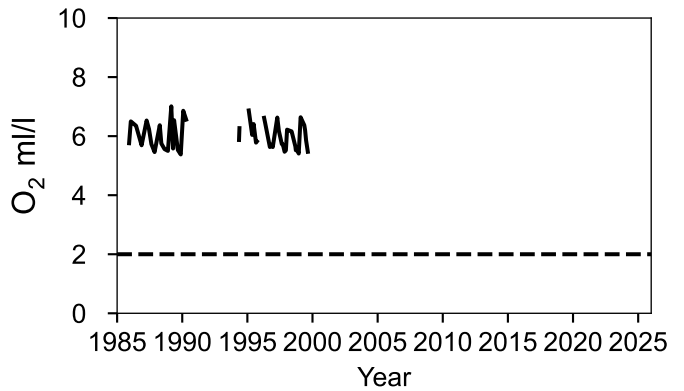
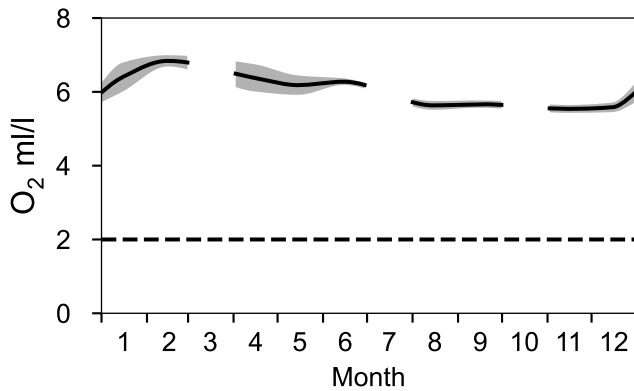
STATION Å16 SURFACE WATER (0-10 m)

Annual Cycles

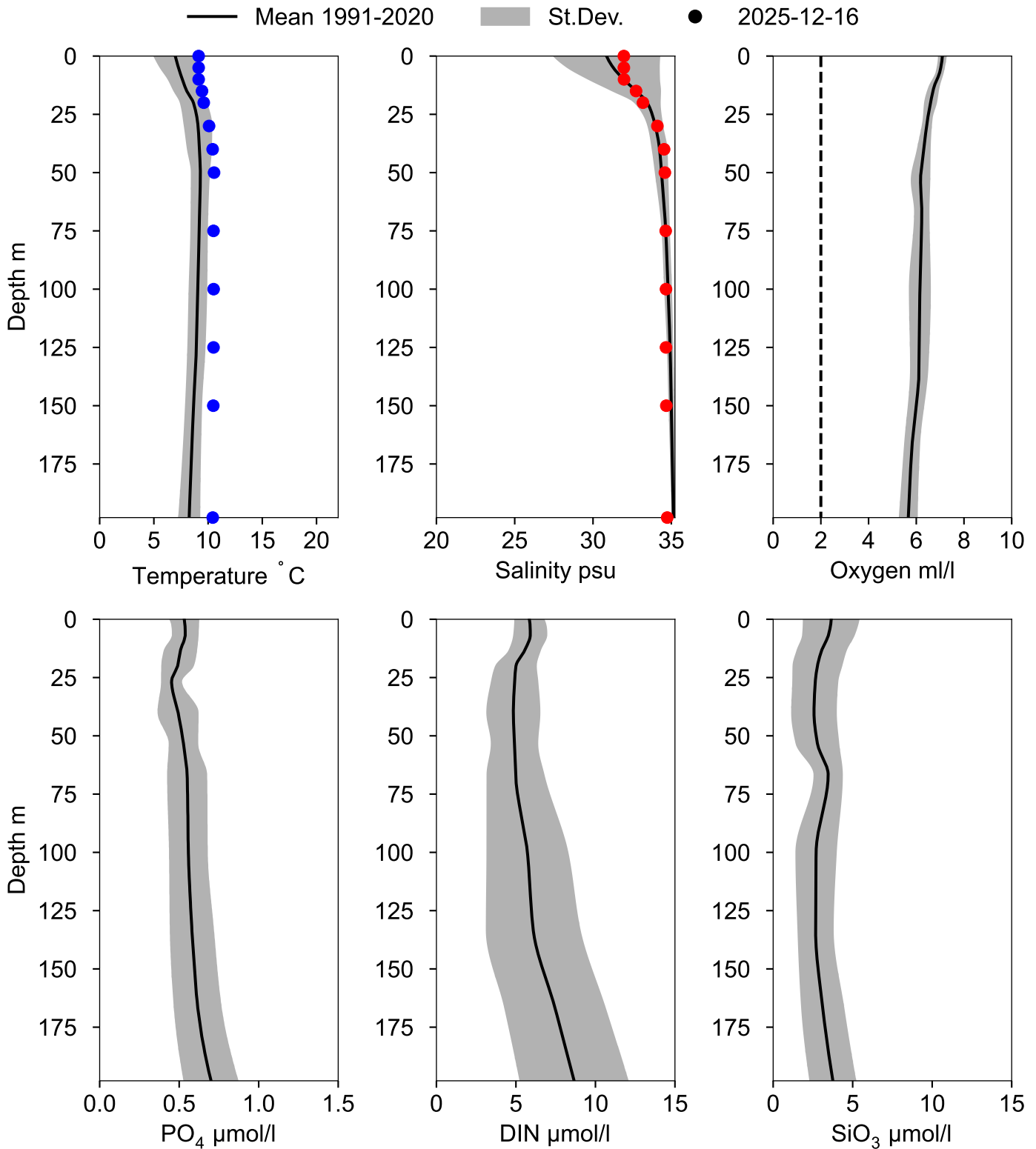
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 193 m)



Vertical profiles Å16 December



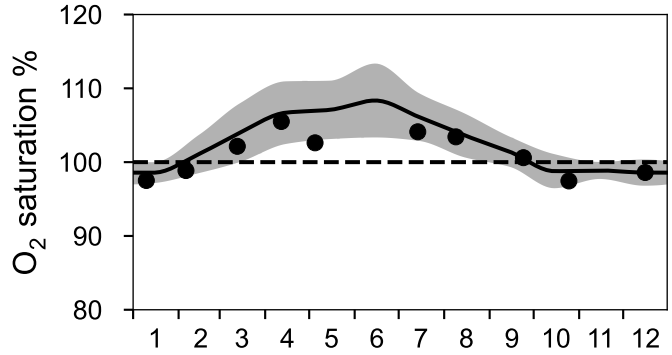
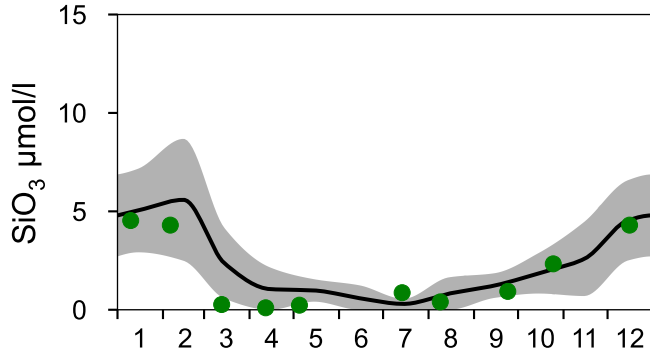
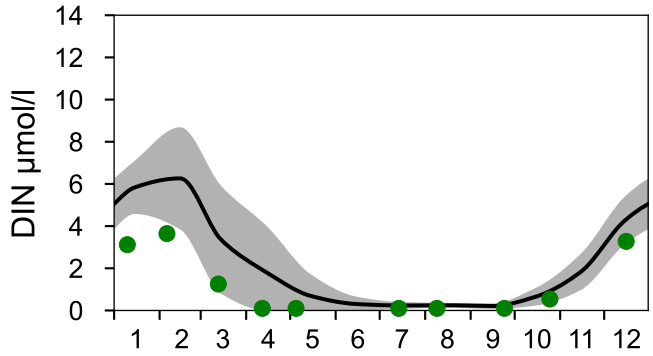
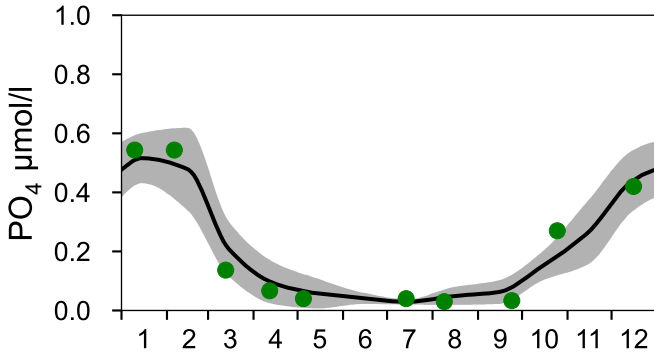
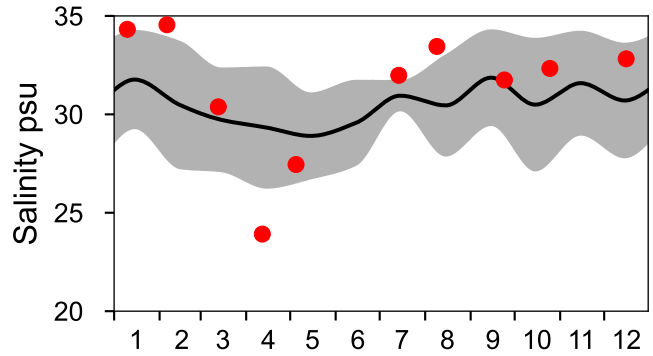
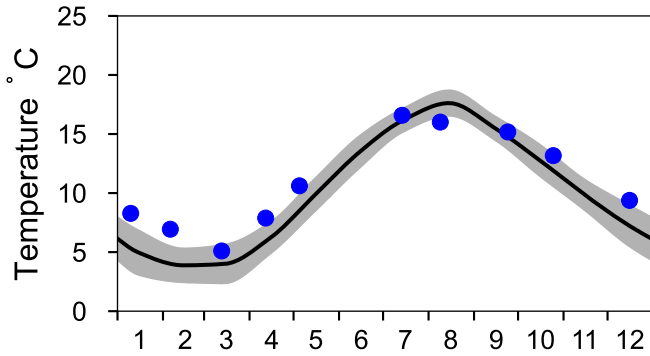
STATION Å15 SURFACE WATER (0-10 m)

Annual Cycles

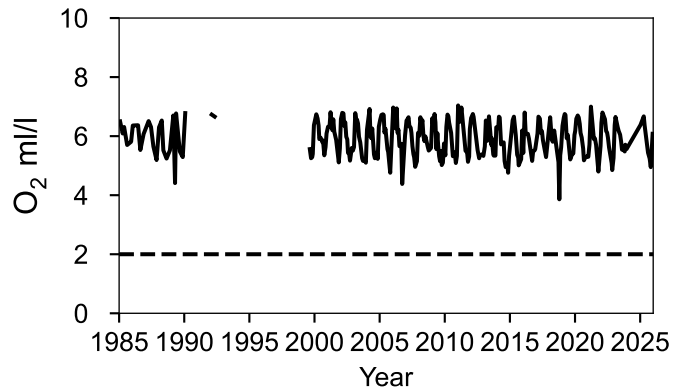
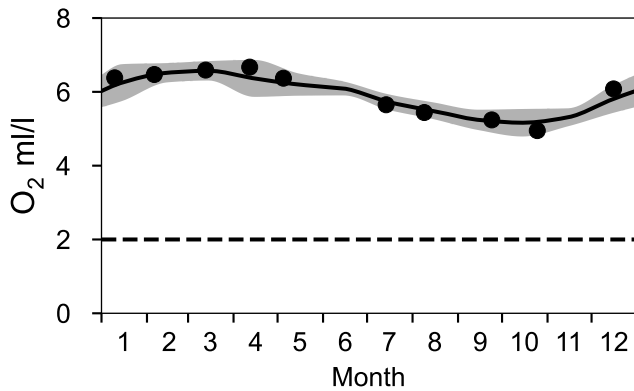
— Mean 1991-2020

■ St.Dev.

● 2025

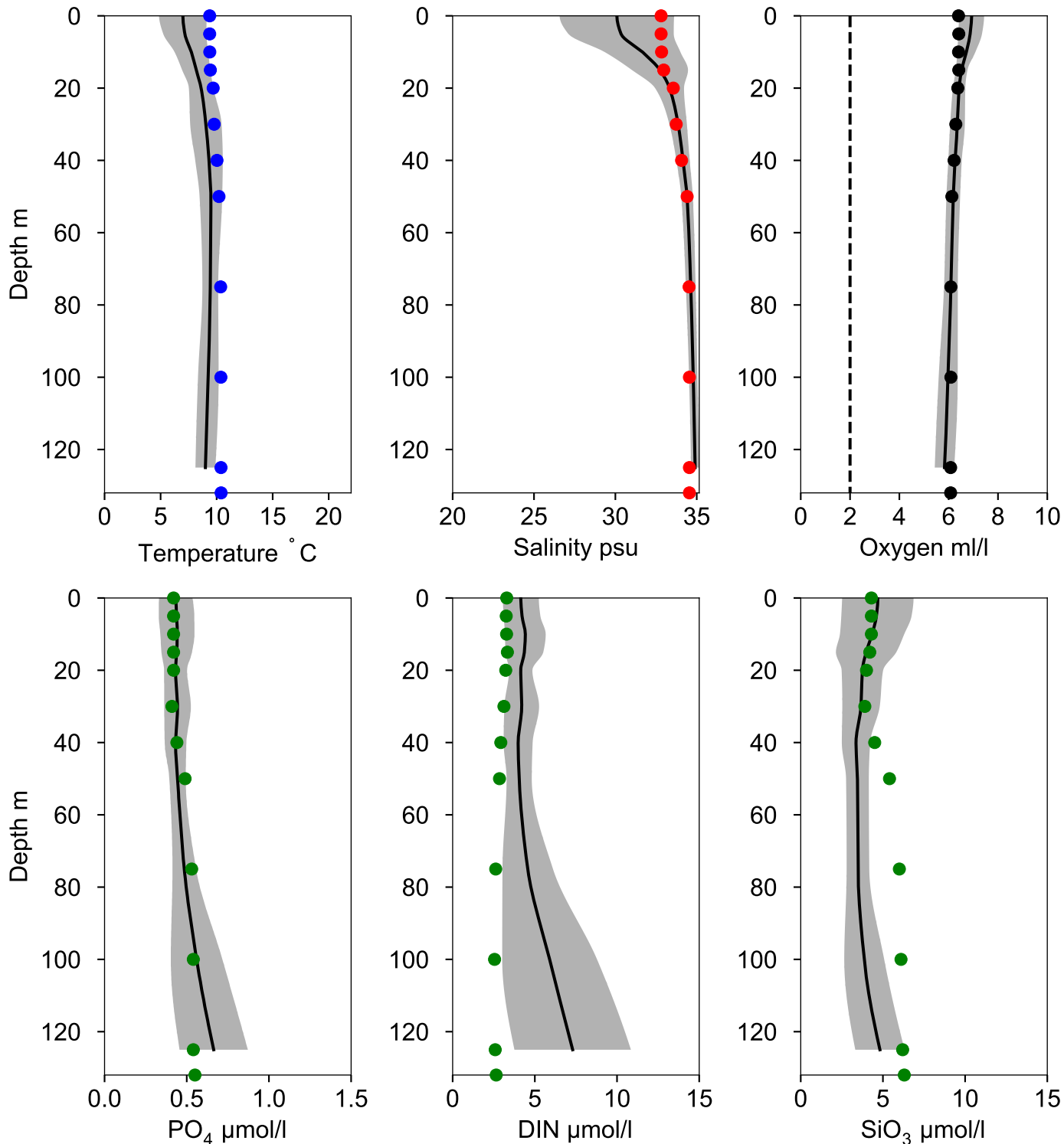


OXYGEN IN BOTTOM WATER (depth >= 125 m)



Vertical profiles Å15 December

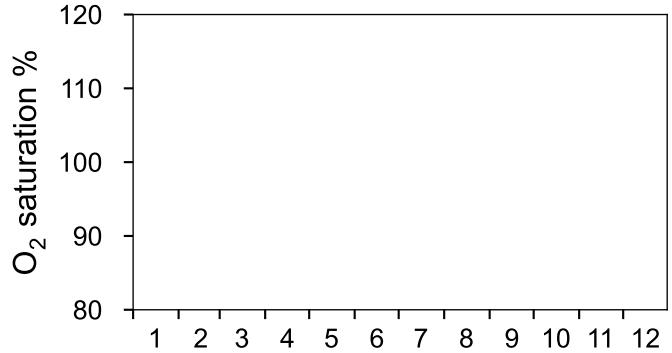
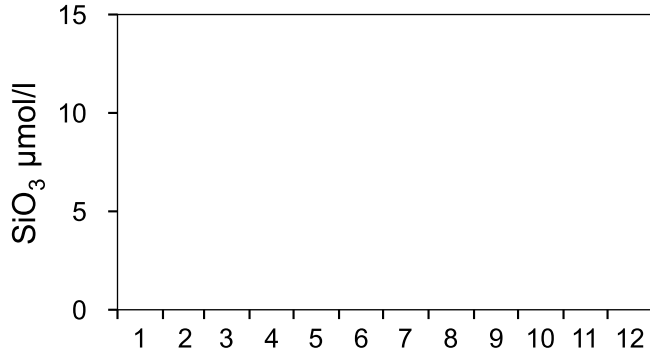
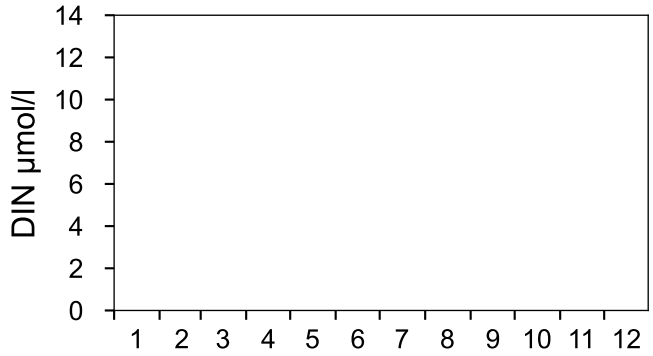
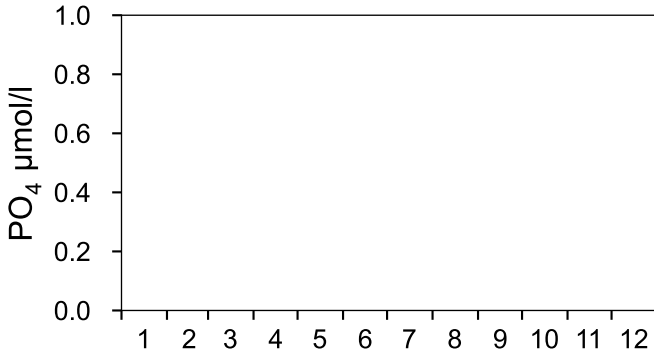
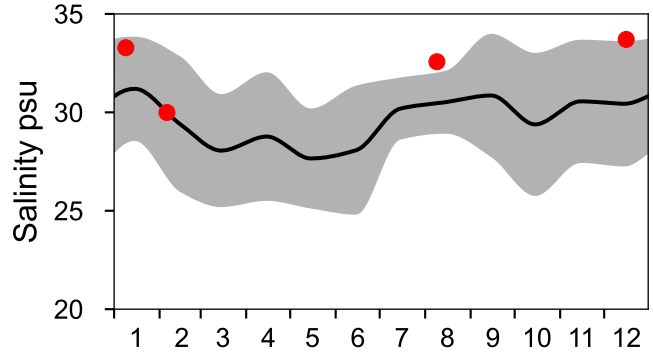
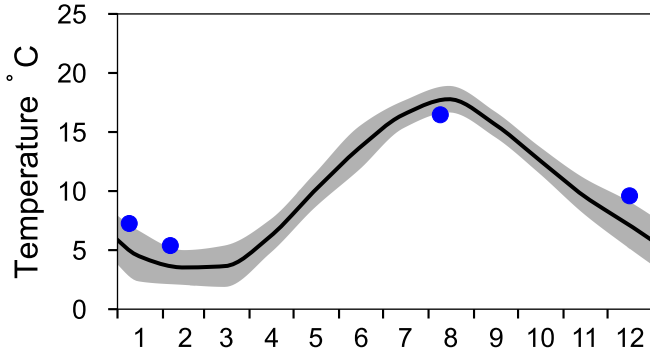
— Mean 1991-2020 St.Dev. ● 2025-12-16



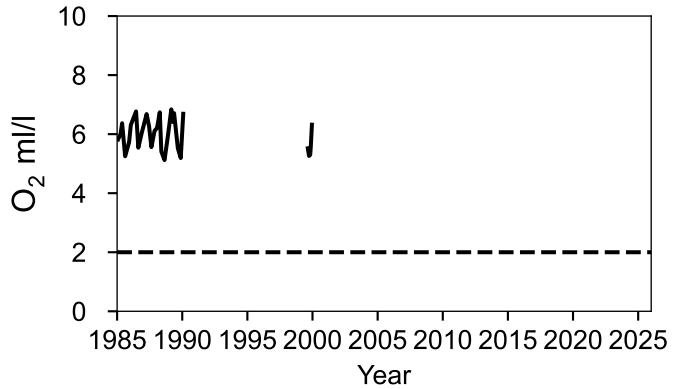
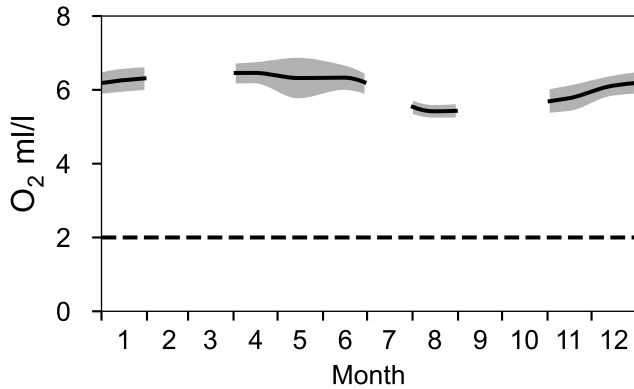
STATION Å14 SURFACE WATER (0-10 m)

Annual Cycles

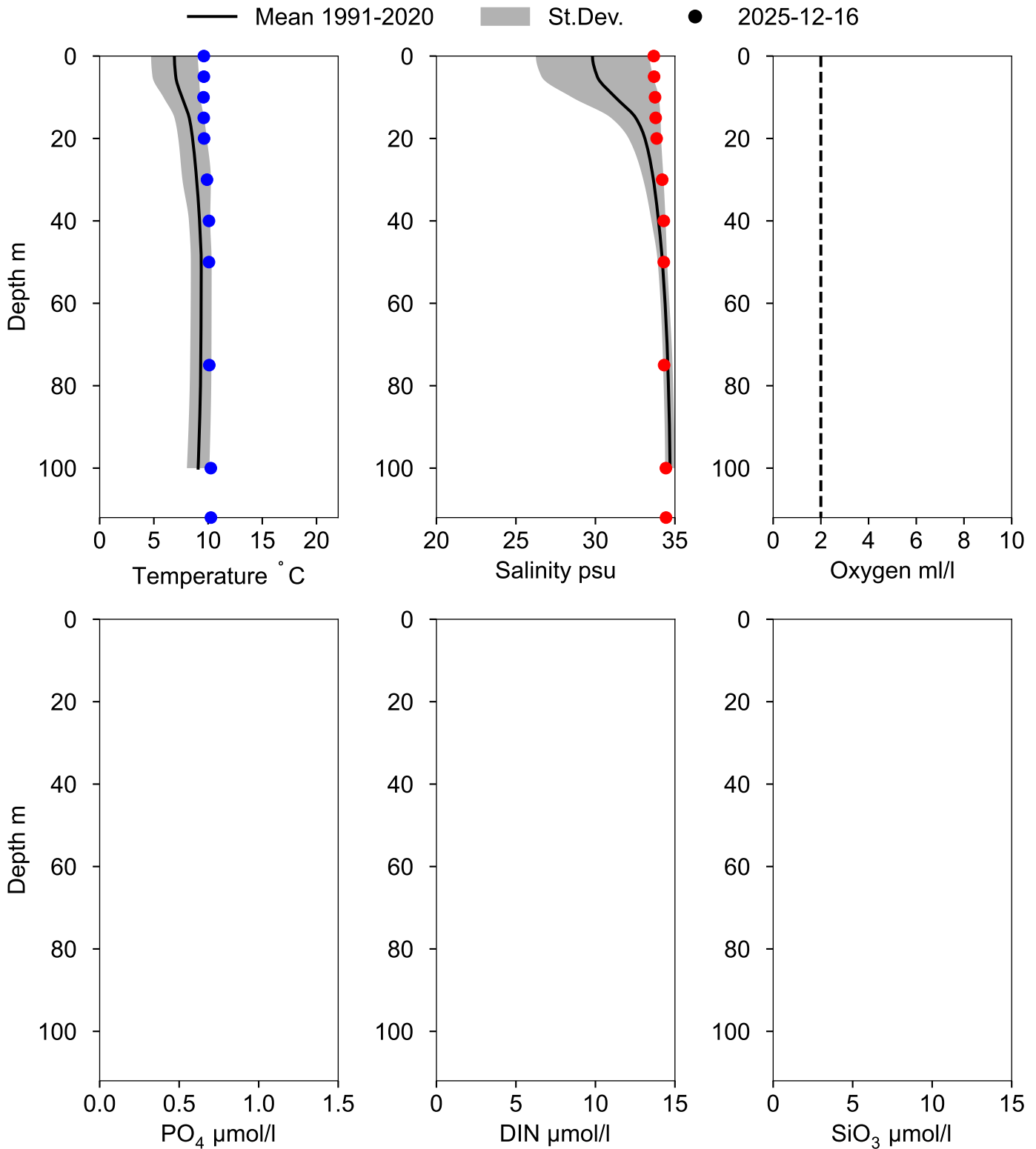
— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 100 m)



Vertical profiles A14 December



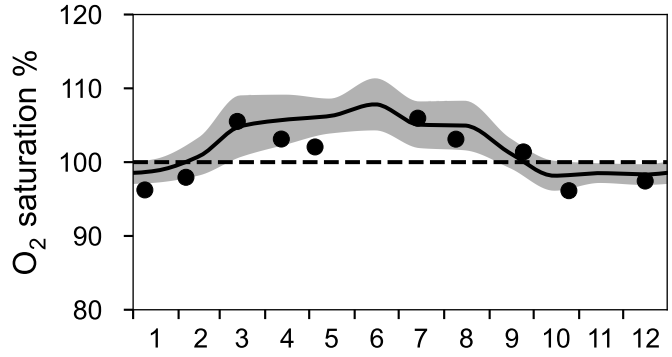
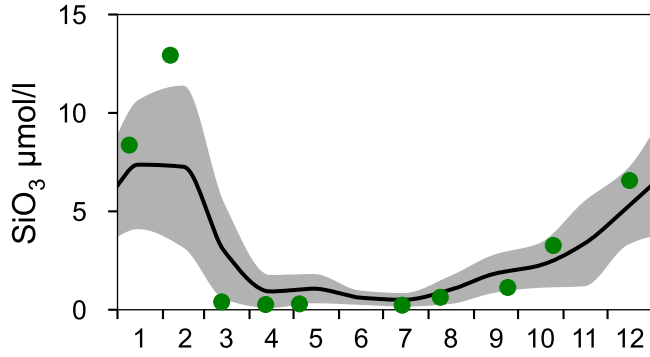
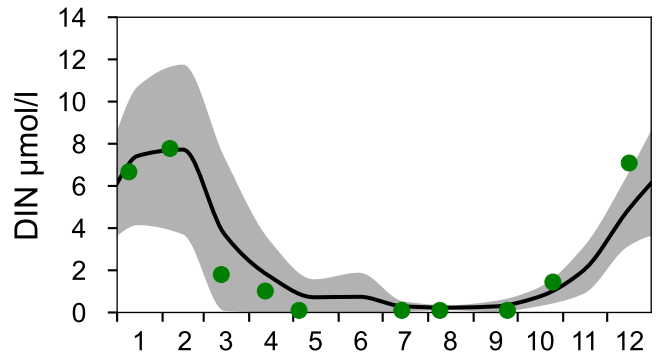
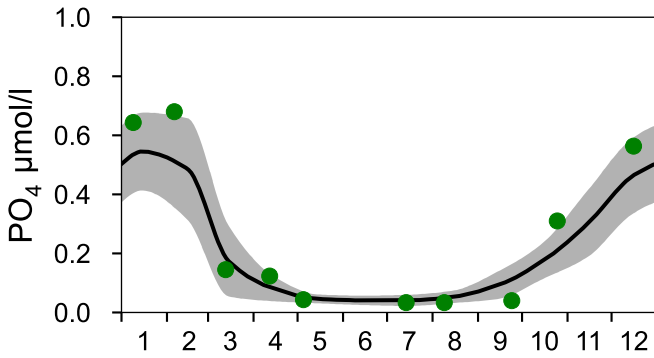
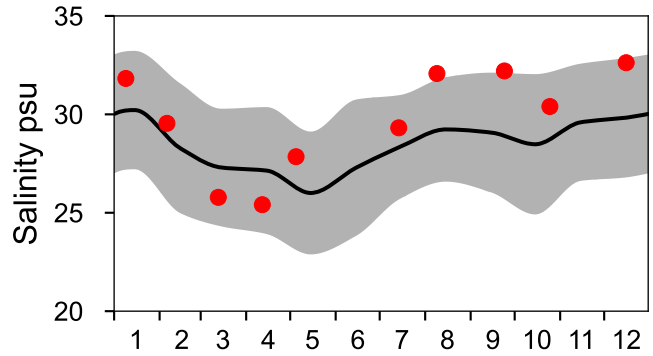
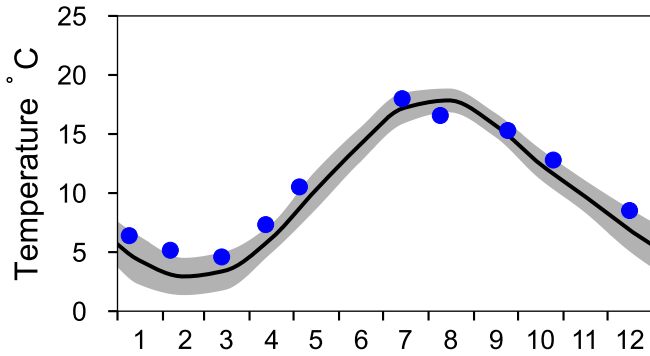
STATION Å13 SURFACE WATER (0-10 m)

Annual Cycles

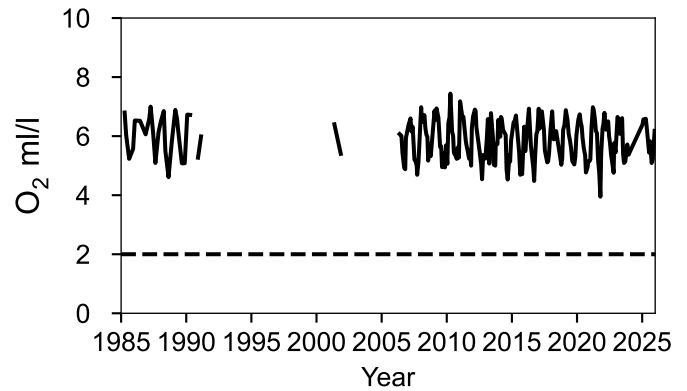
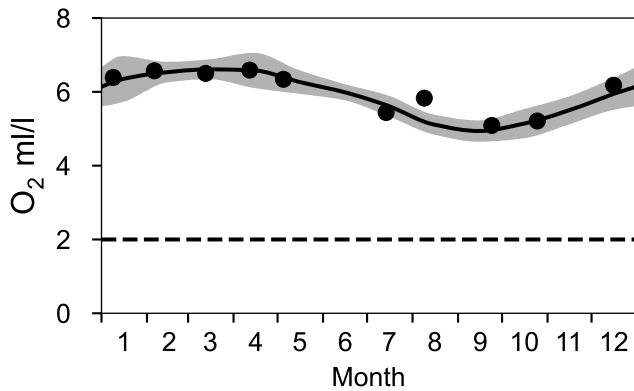
— Mean 1991-2020

■ St.Dev.

● 2025

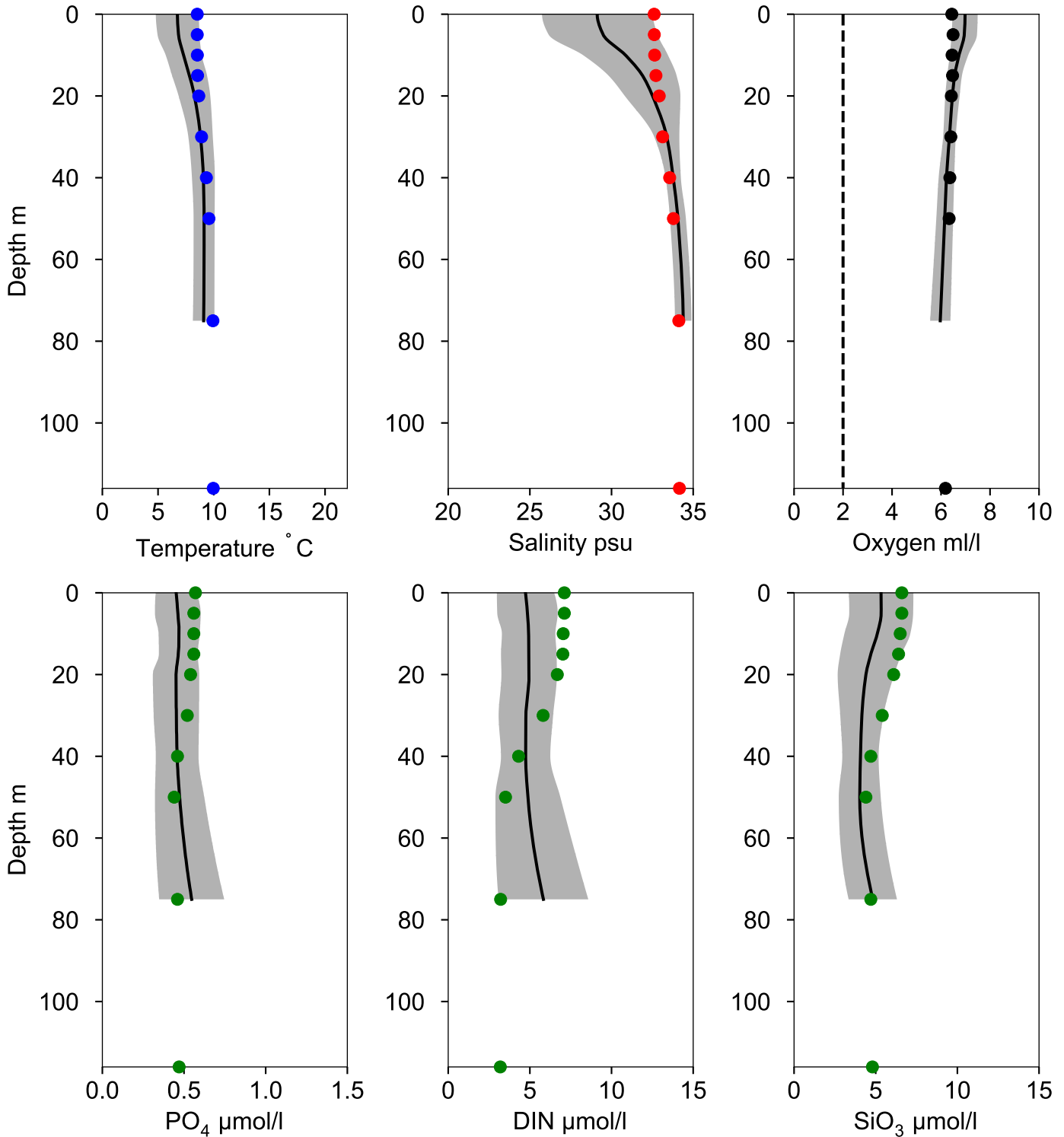


OXYGEN IN BOTTOM WATER (depth >= 82 m)



Vertical profiles Å13 December

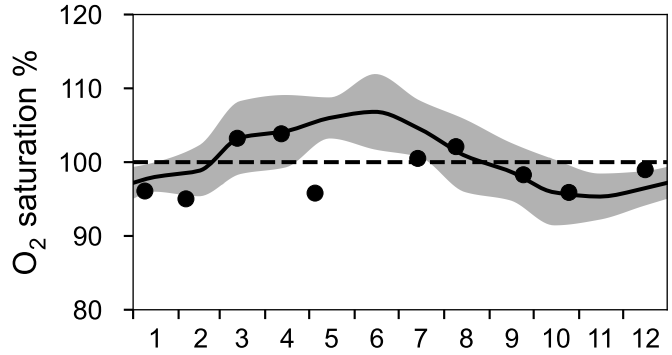
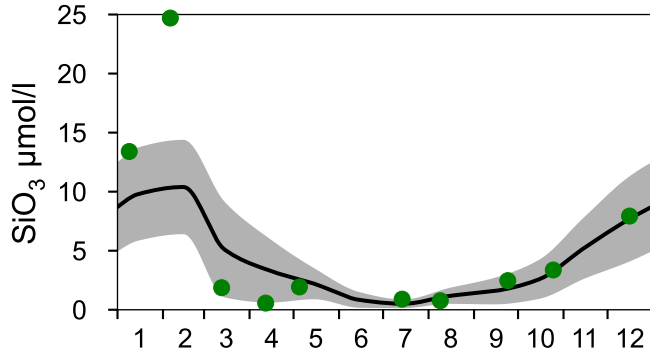
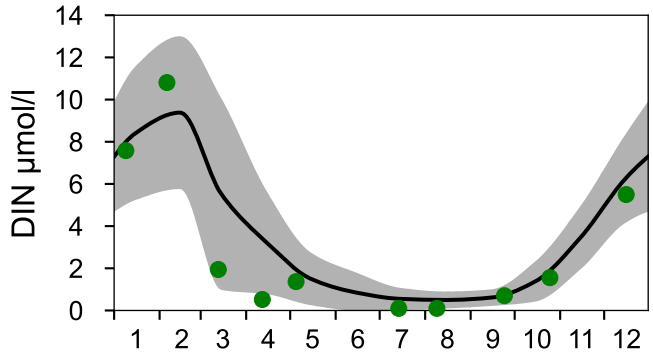
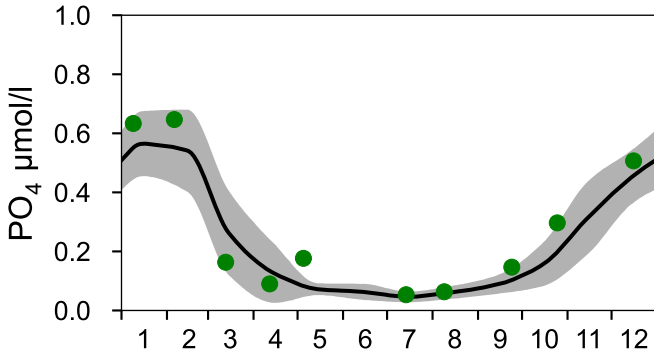
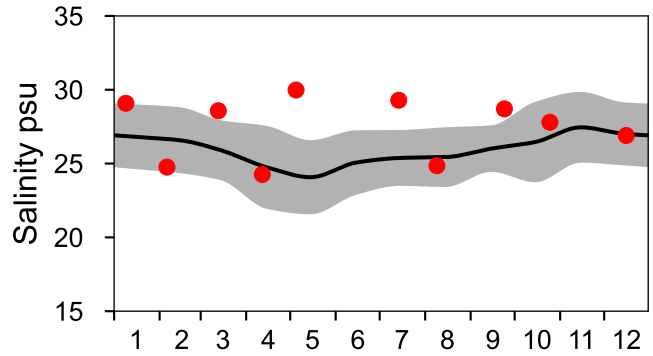
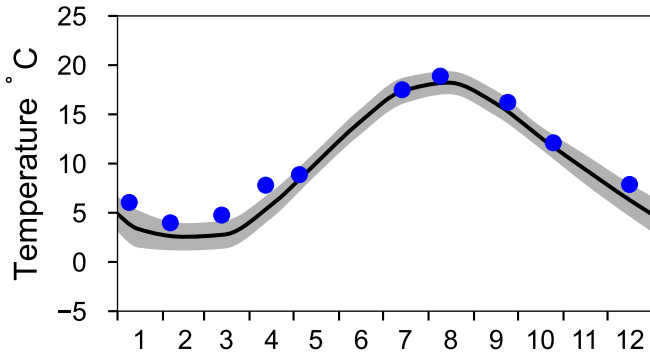
— Mean 1991-2020 St.Dev. ● 2025-12-16



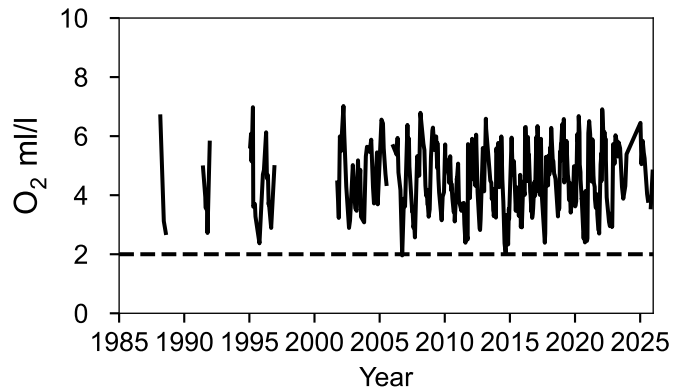
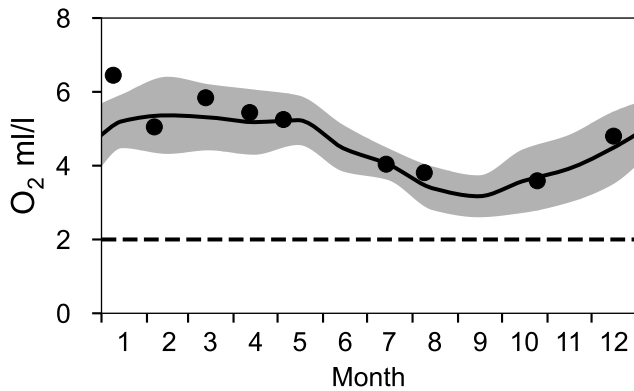
STATION SLÄGGÖ SURFACE WATER (0-10 m)

Annual Cycles

— Mean 1991-2020 St.Dev. ● 2025



OXYGEN IN BOTTOM WATER (depth >= 64 m)



Vertical profiles SLÄGGÖ December

