

## **Appendix I**

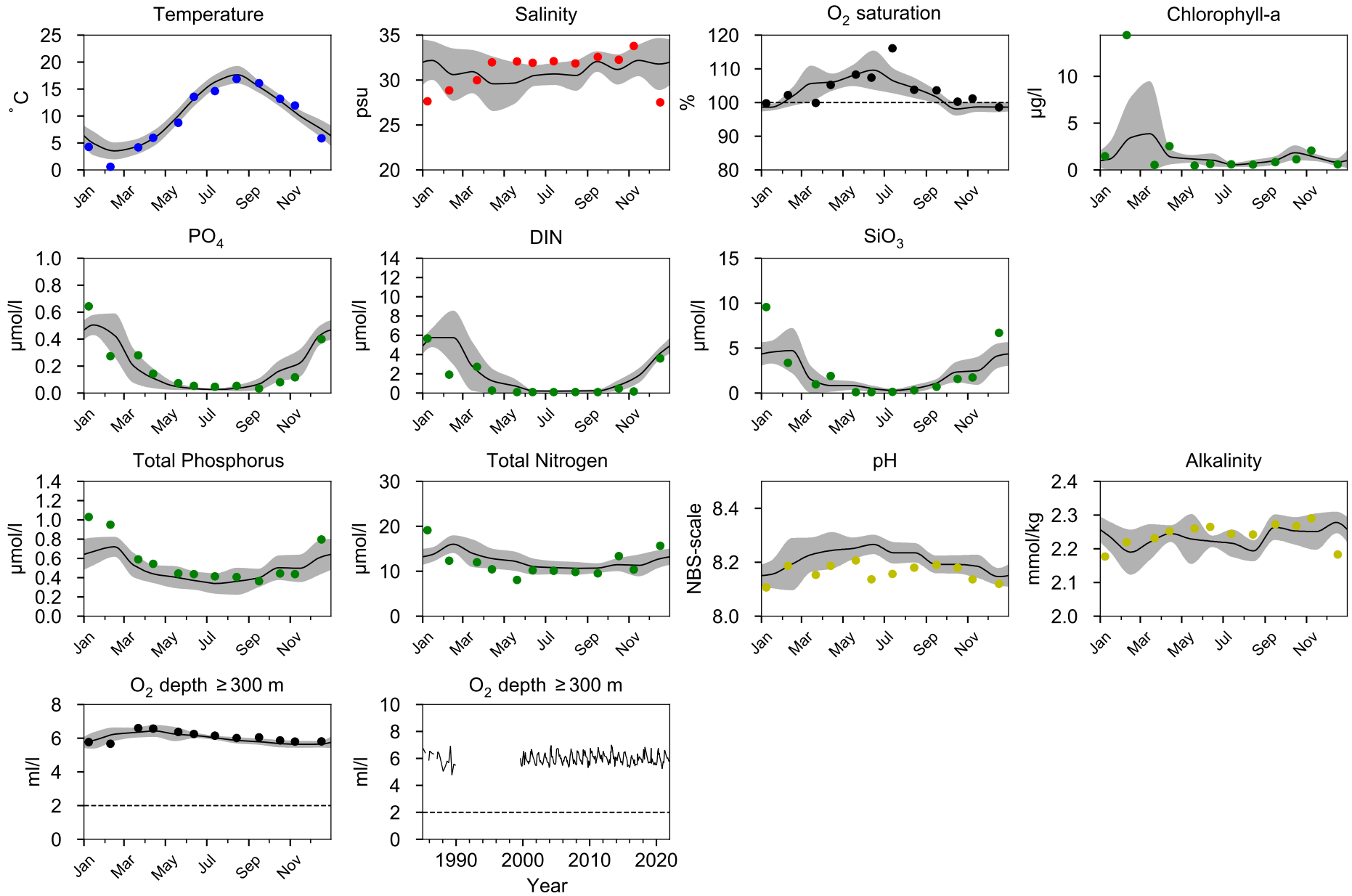
Seasonal cycles from monthly and high frequency stations sampled in 2021.

Surface water (0-10 m): including comparison to the mean and standard deviation for the period 2001-2015 for each month at each station. Included parameters are salinity, temperature, dissolved inorganic phosphorus (DIP), dissolved inorganic nitrogen (DIN; sum of ammonium, nitrate and nitrite), dissolved silica, total nitrogen, total phosphorus, chlorophyll, pH, alkalinity, humic substances, dissolved oxygen and oxygen saturation. Dissolved oxygen (including hydrogen sulphide expressed as negative oxygen) is presented for the bottom water.

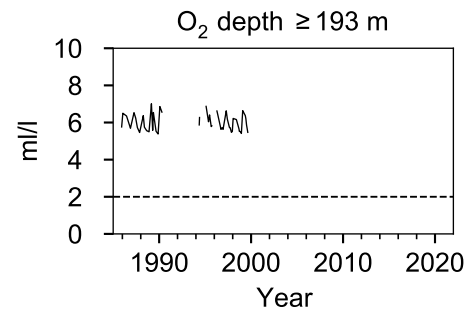
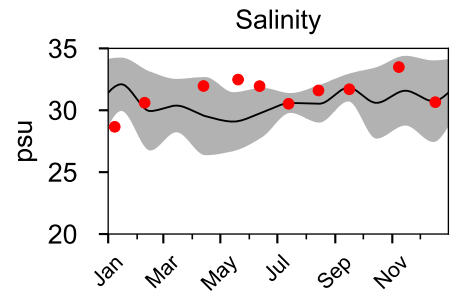
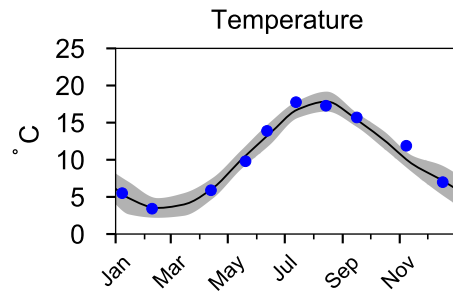
Data for salinity and temperature is primarily from sensors on the CTD. Data for oxygen is only from water samples.

# STATION Å17 SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021

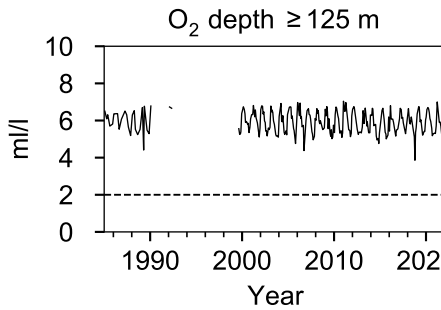
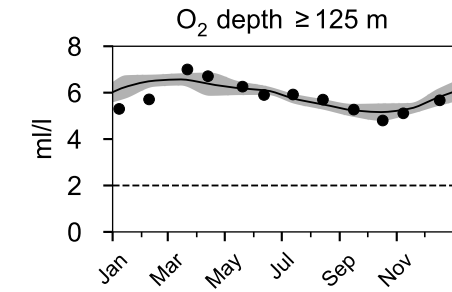
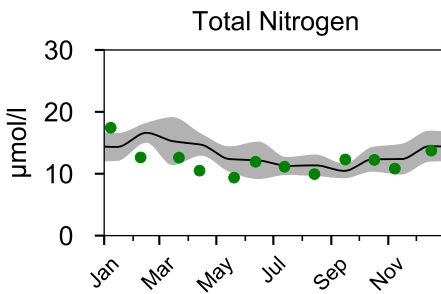
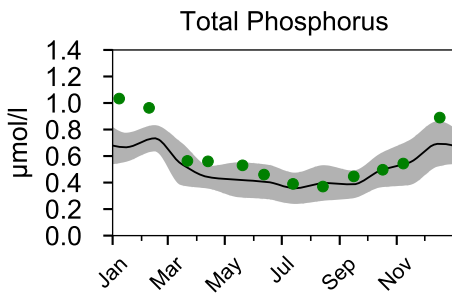
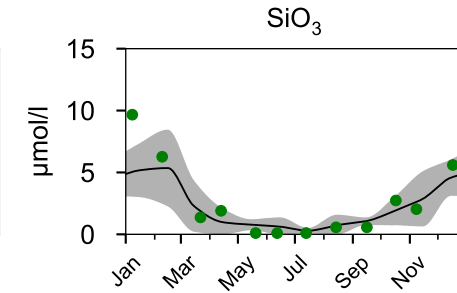
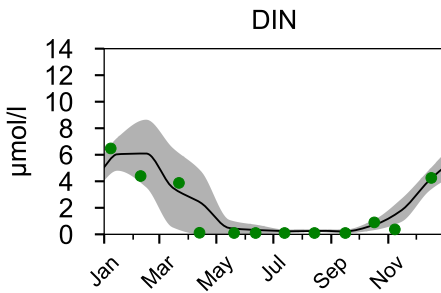
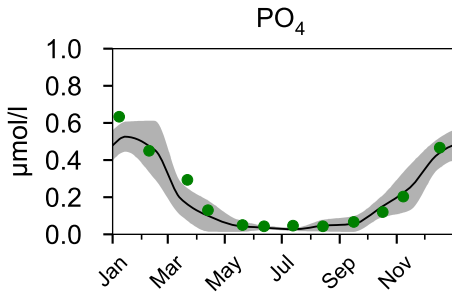
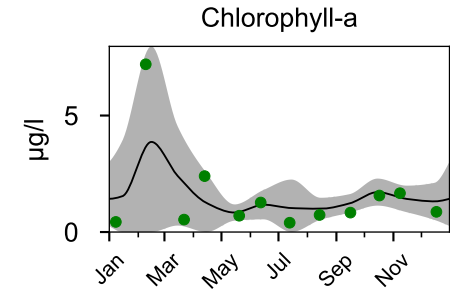
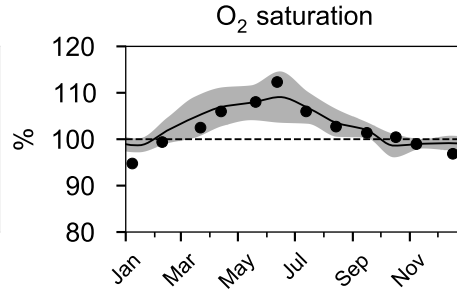
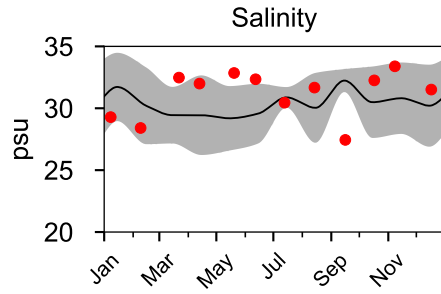
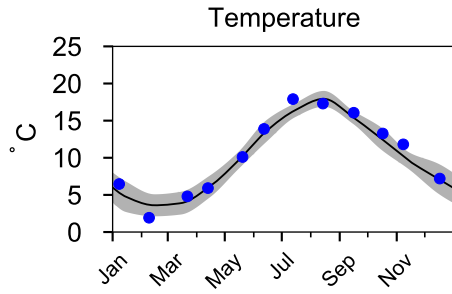


# STATION Å16 SURFACE WATER (0-10 m)

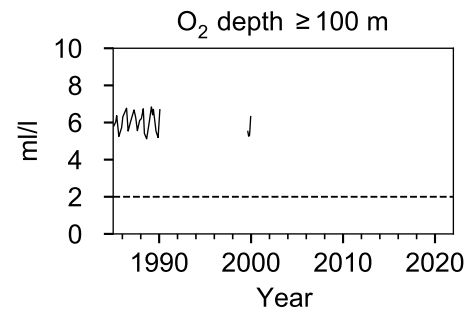
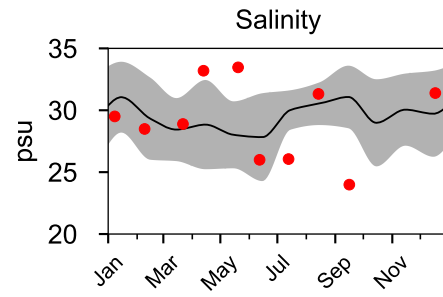
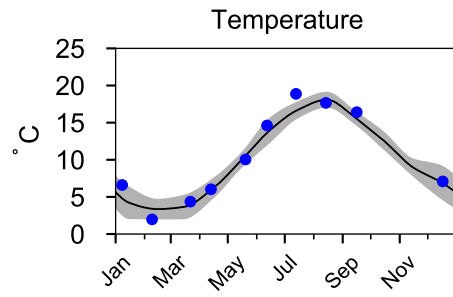


# STATION Å15 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021

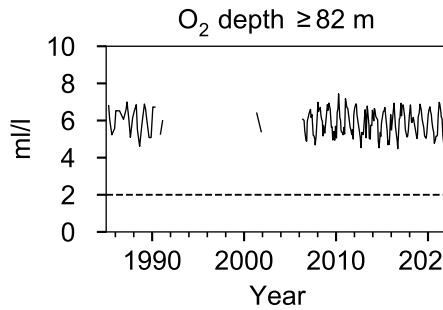
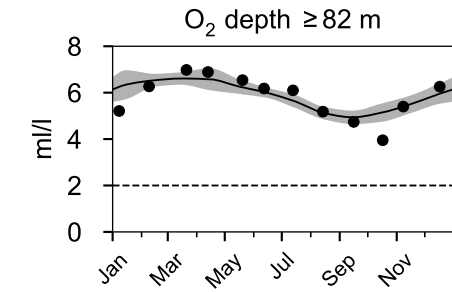
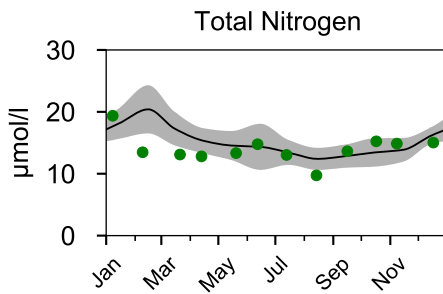
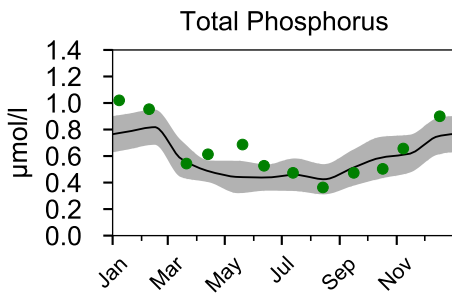
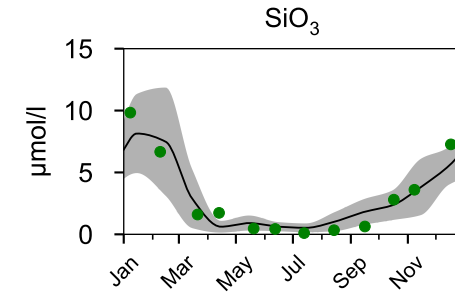
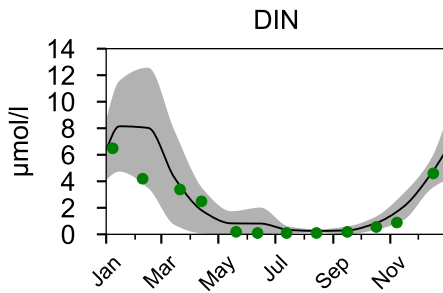
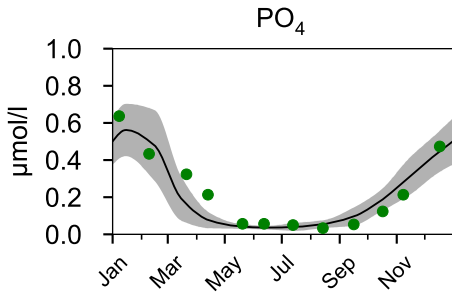
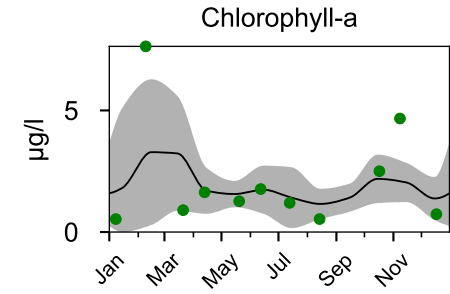
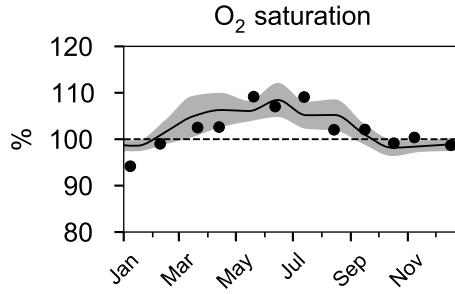
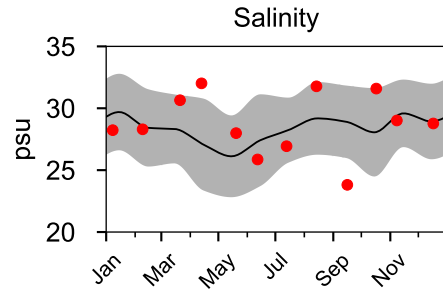
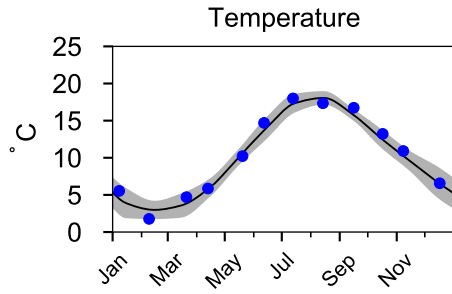


# STATION Å14 SURFACE WATER (0-10 m)



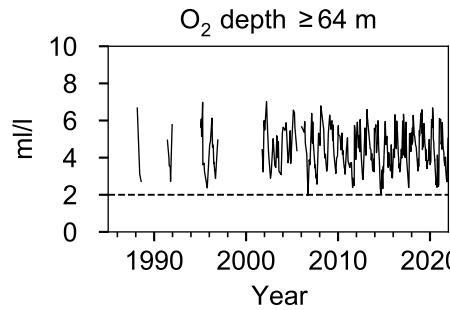
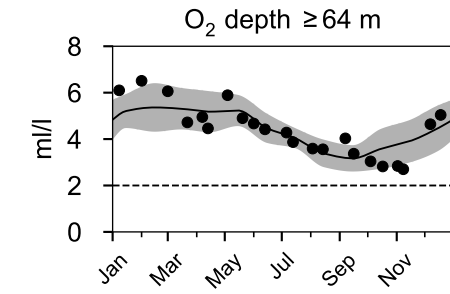
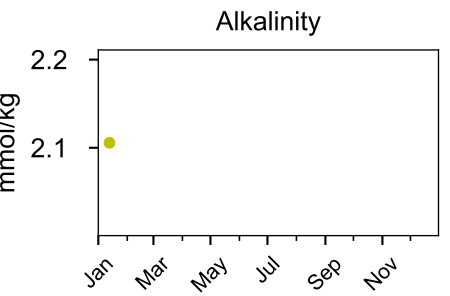
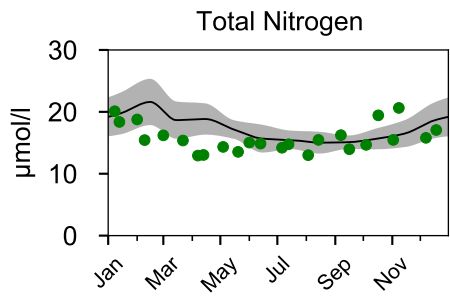
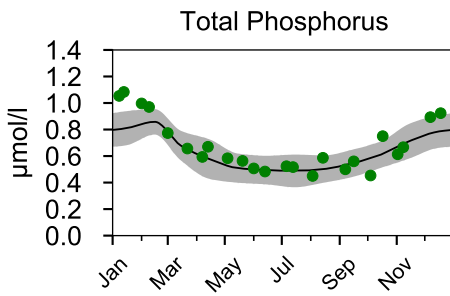
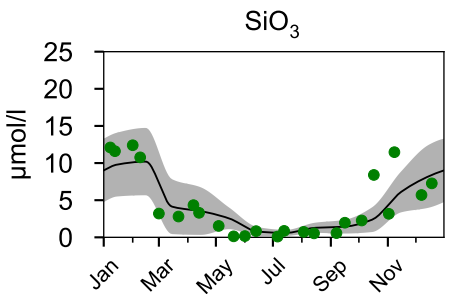
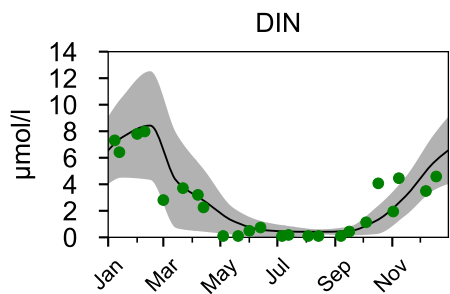
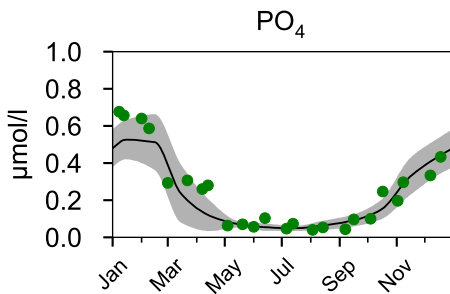
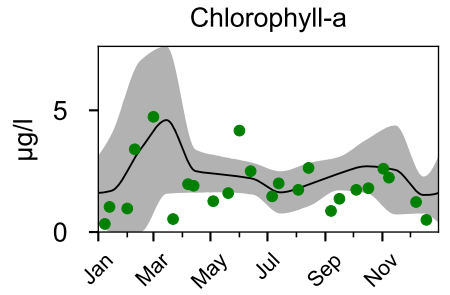
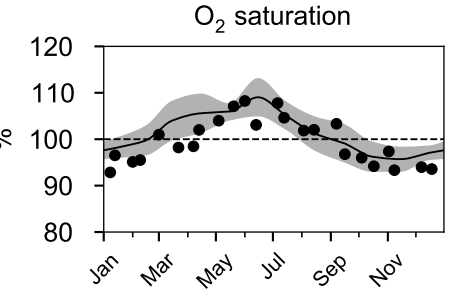
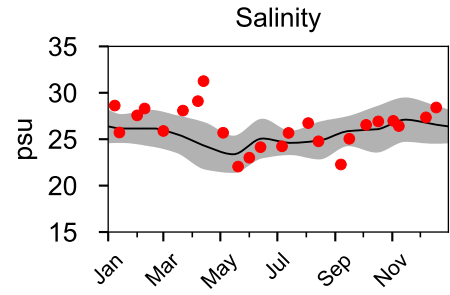
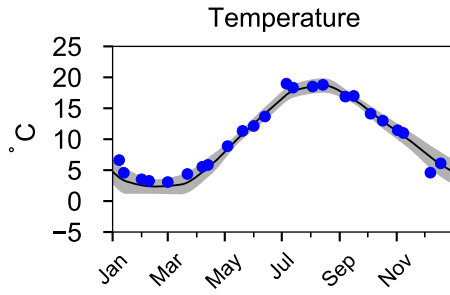
# STATION Å13 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



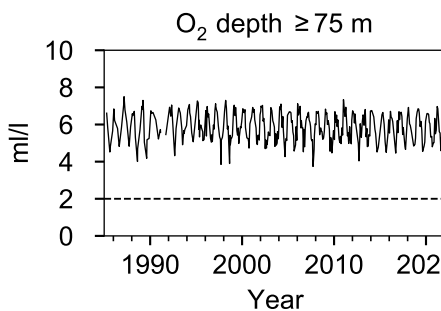
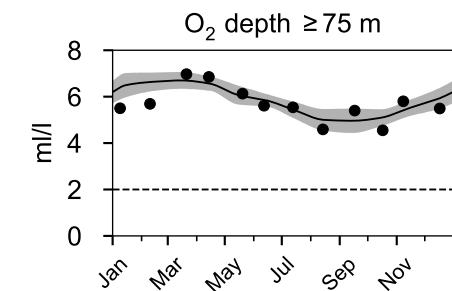
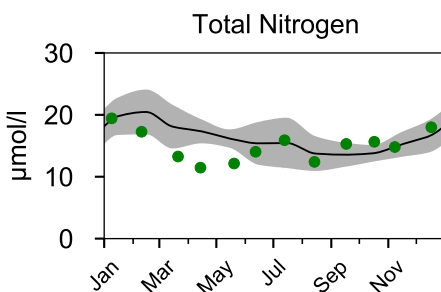
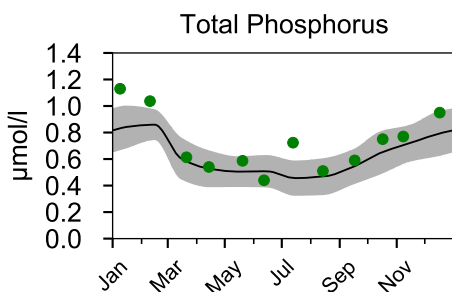
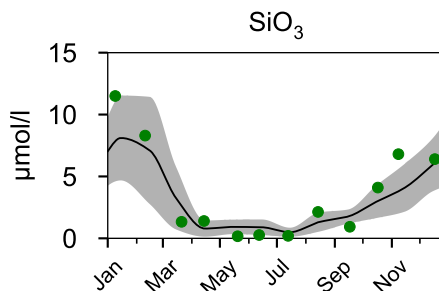
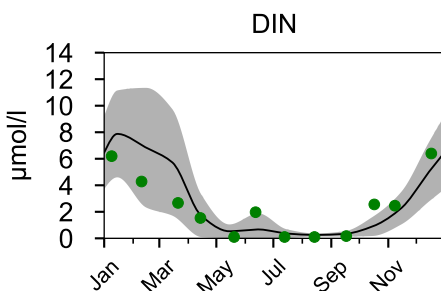
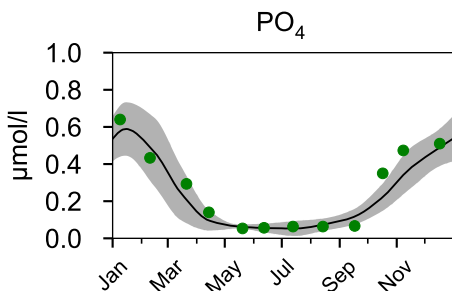
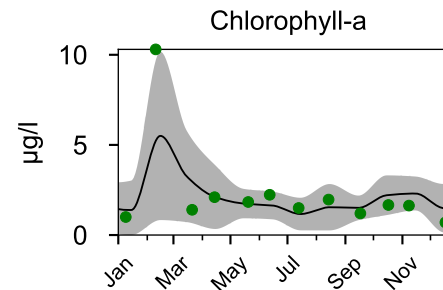
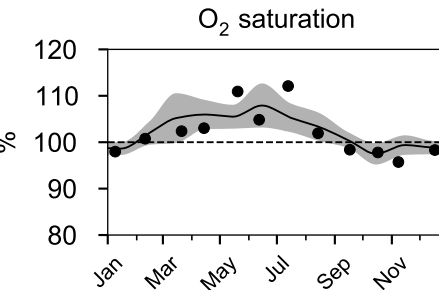
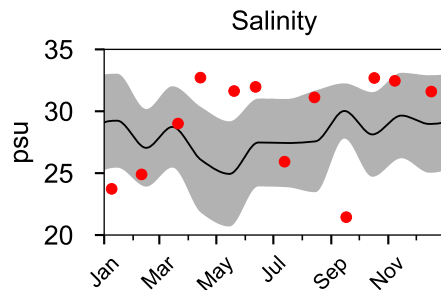
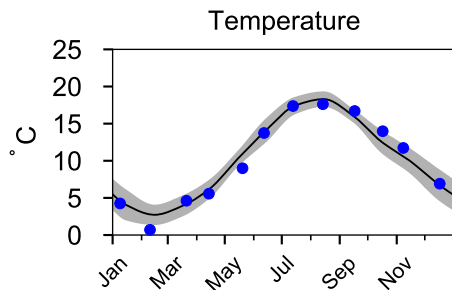
# STATION SLÄGGÖ SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



# STATION P2 SURFACE WATER (0-10 m)

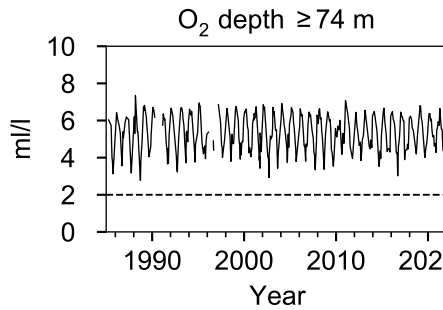
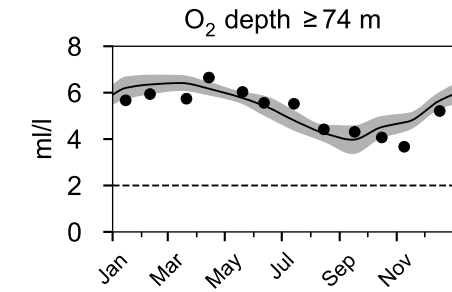
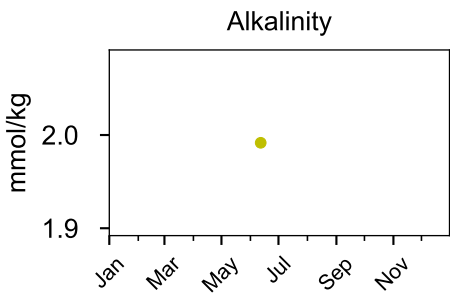
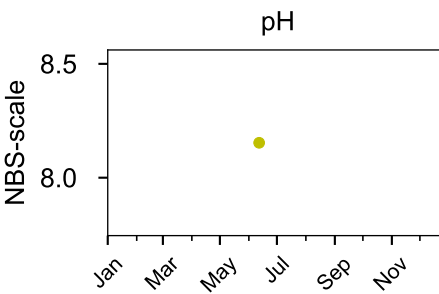
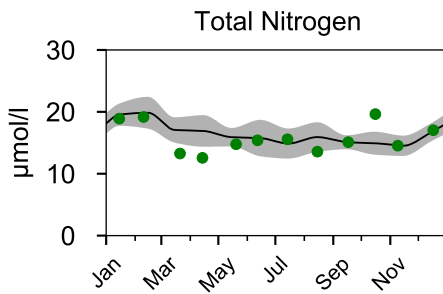
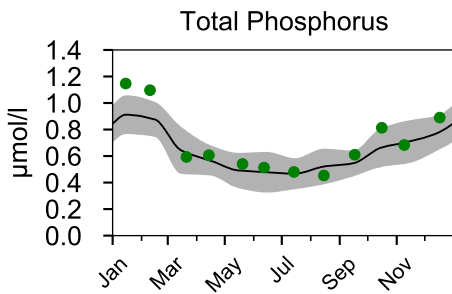
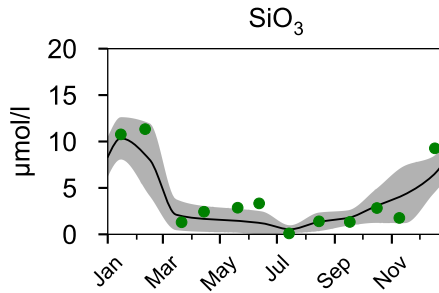
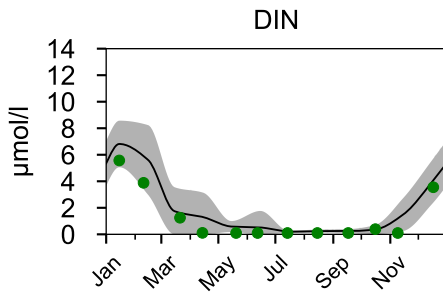
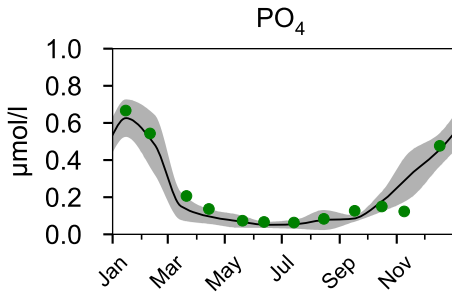
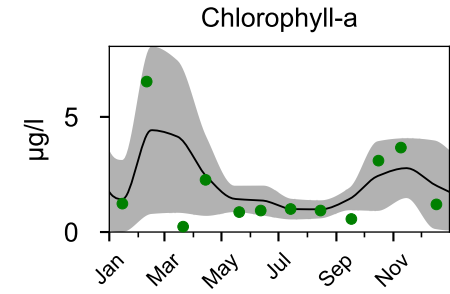
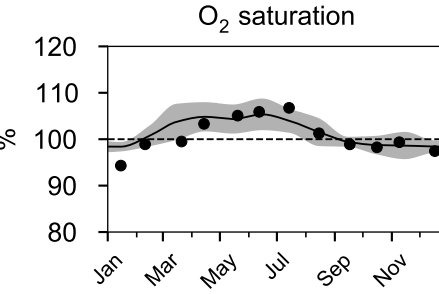
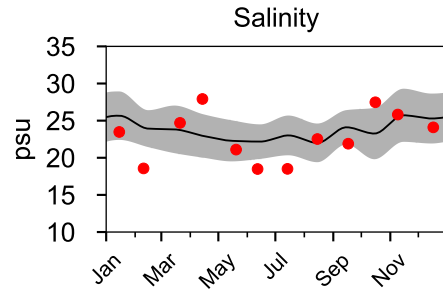
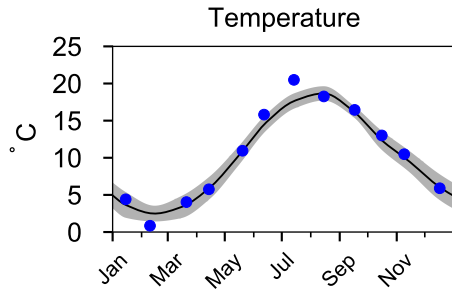
— Mean 2001-2015    ■ St.Dev.    ● 2021





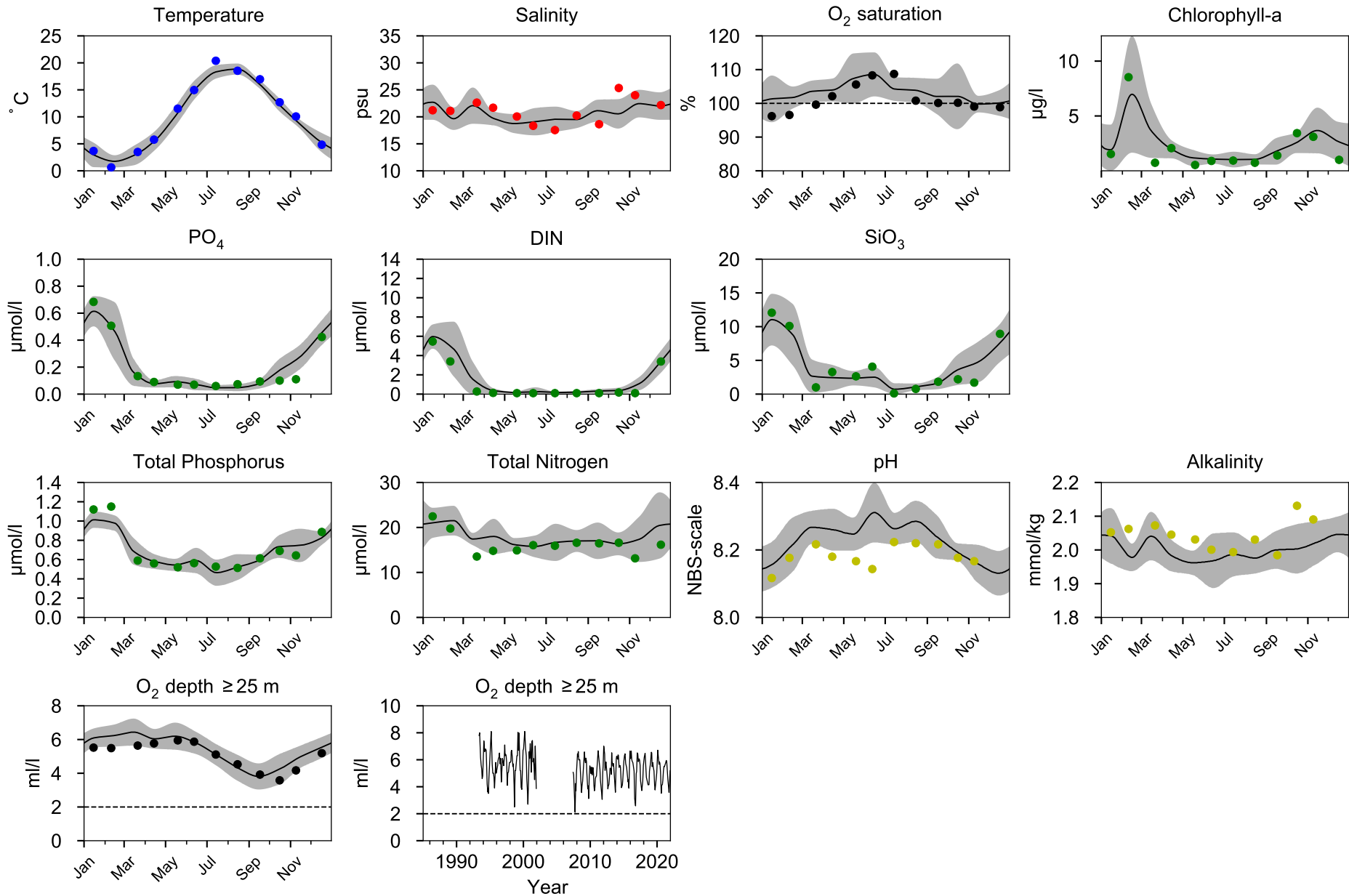
# STATION FLADEN SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



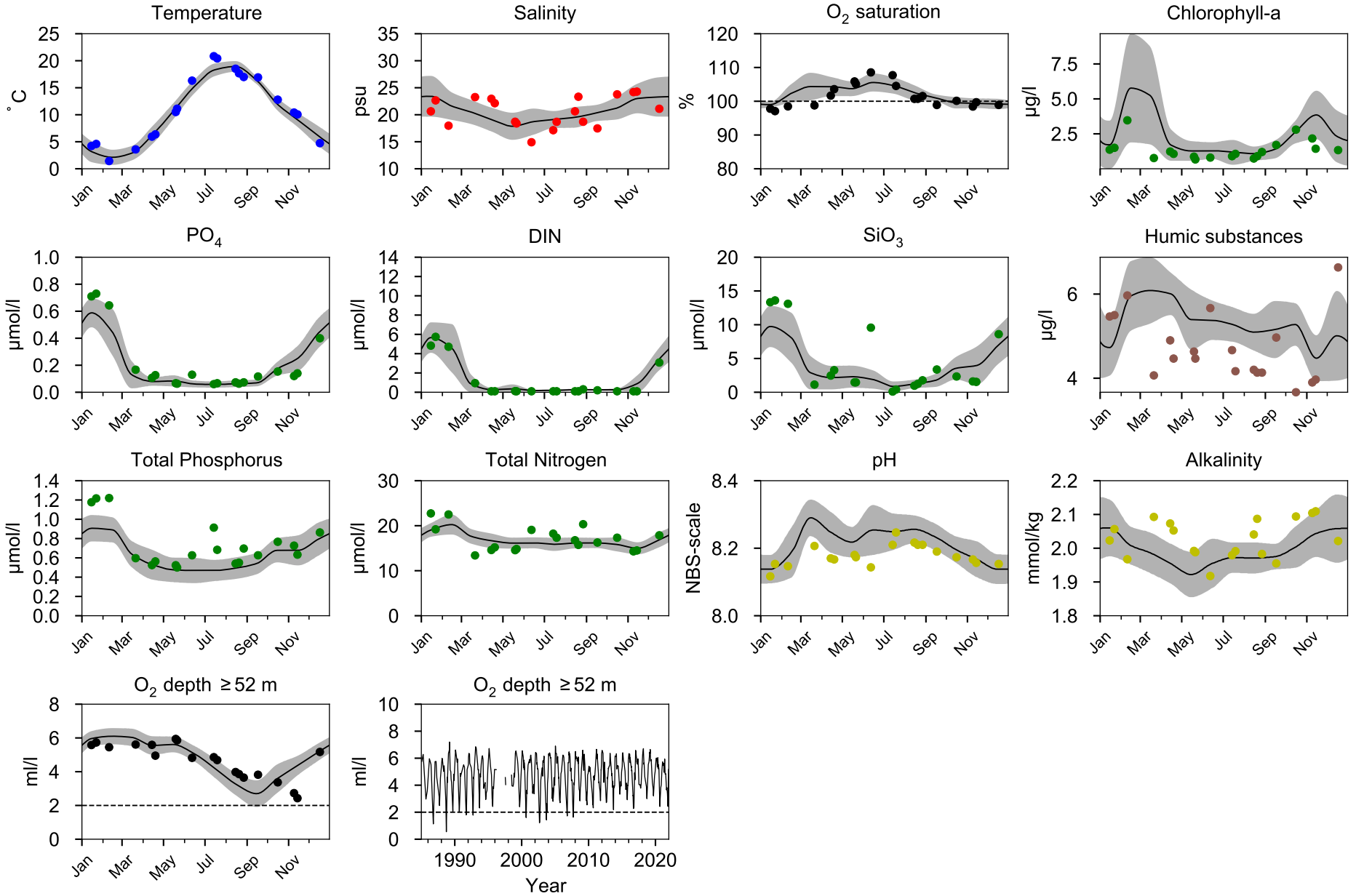
# STATION N14 FALKENBERG SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



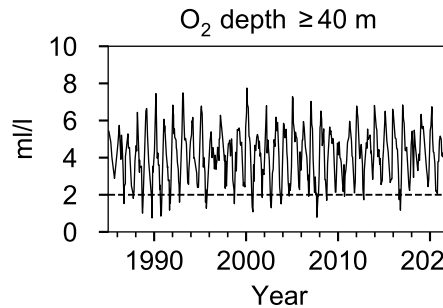
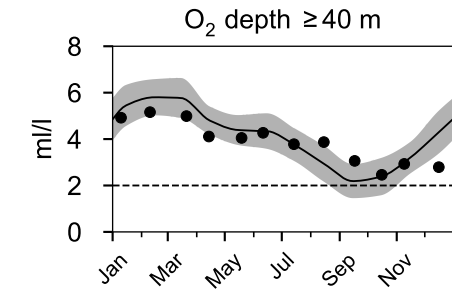
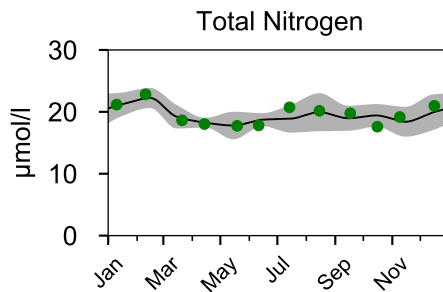
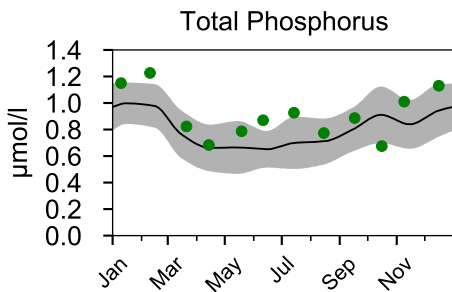
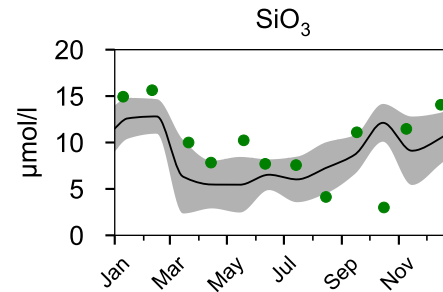
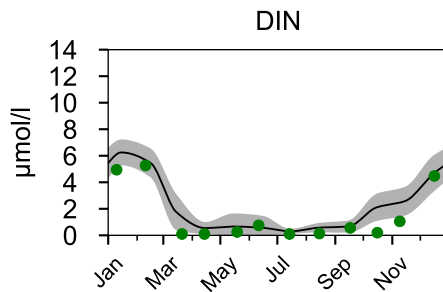
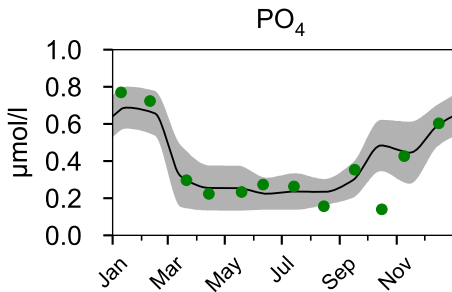
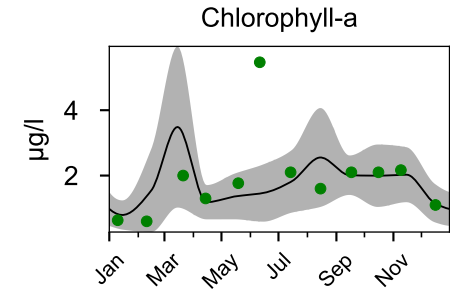
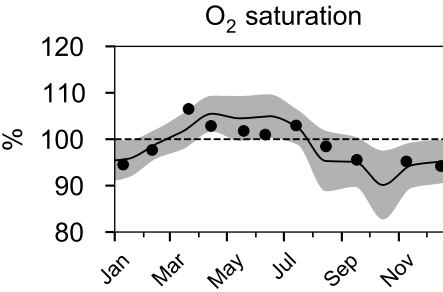
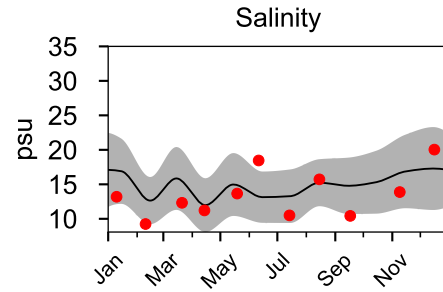
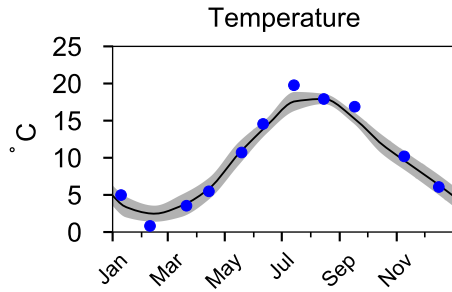
# STATION ANHOLT E SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



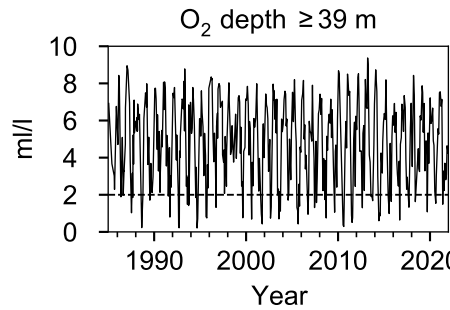
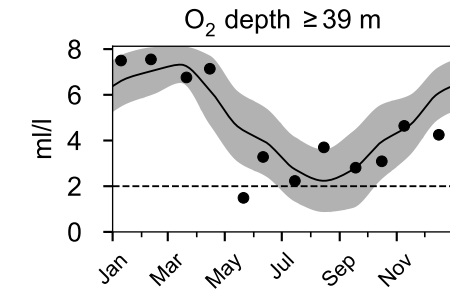
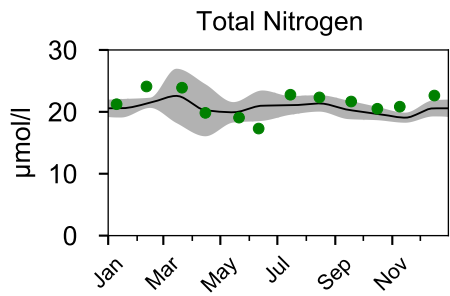
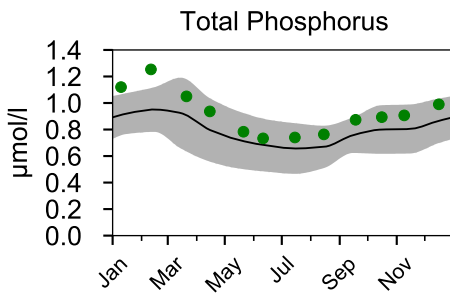
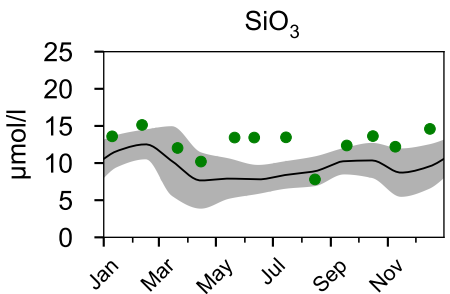
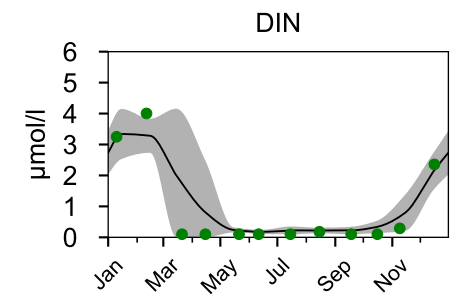
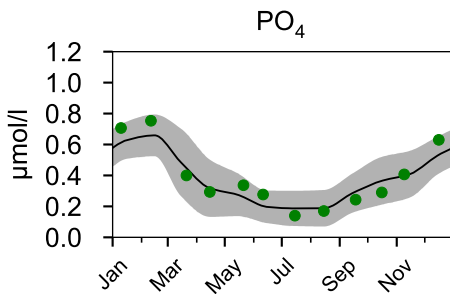
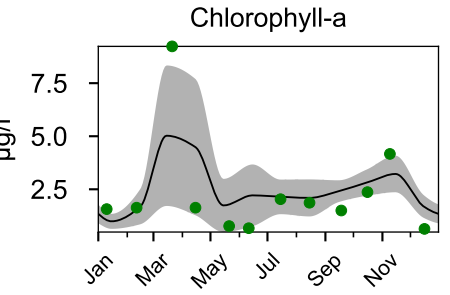
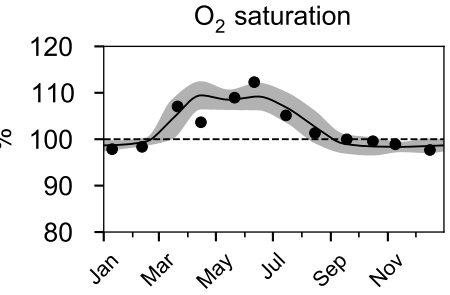
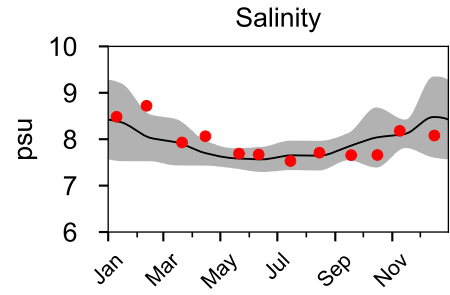
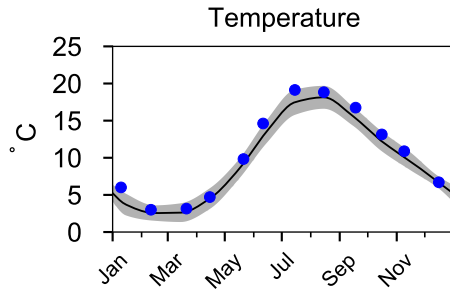
# STATION W LANDSKRONA SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



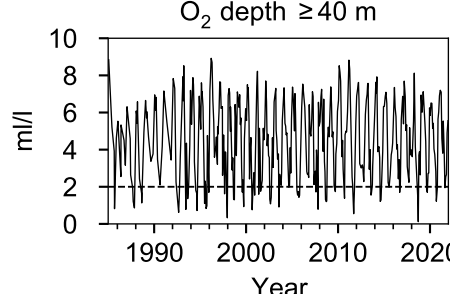
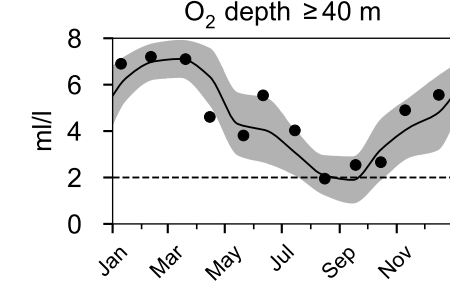
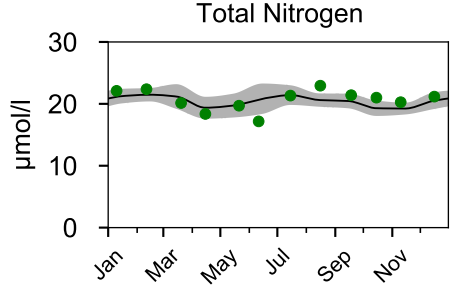
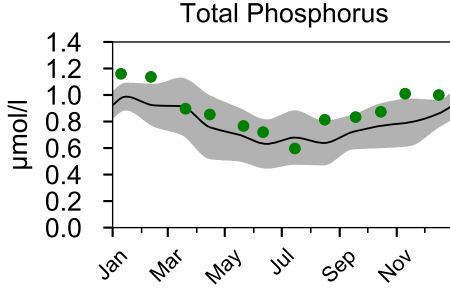
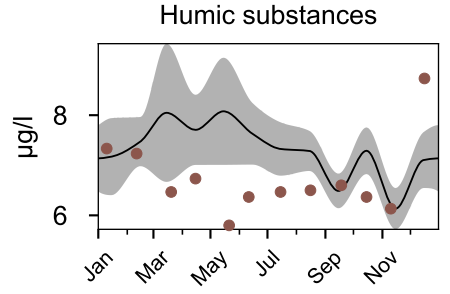
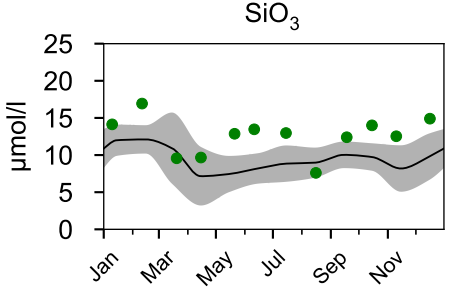
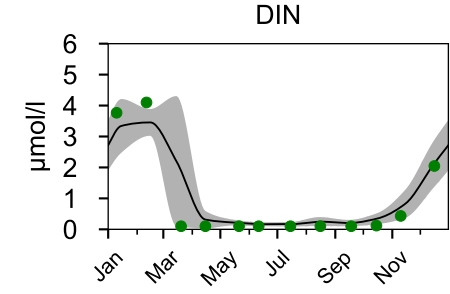
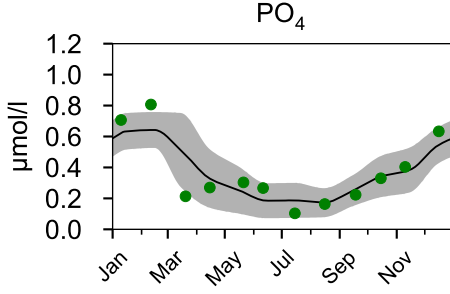
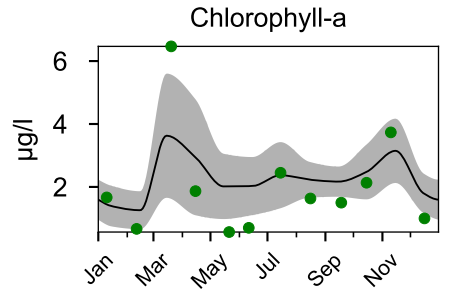
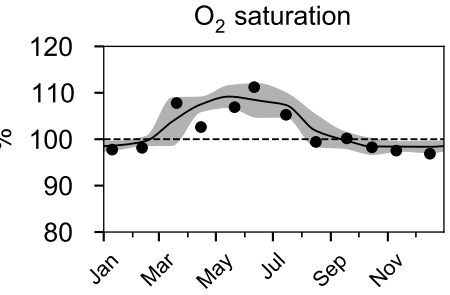
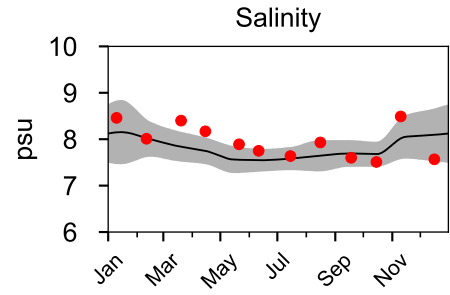
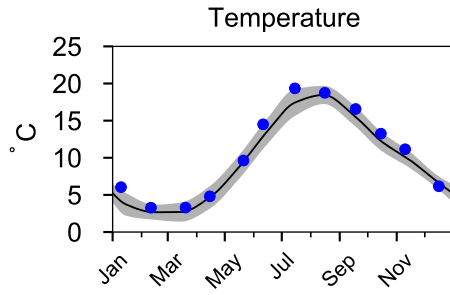
# STATION BY1 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



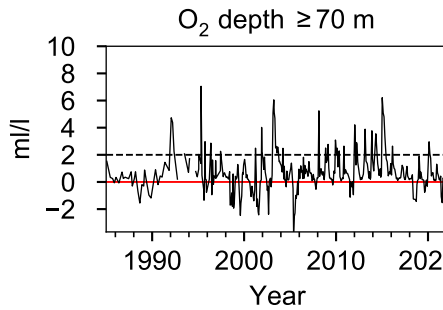
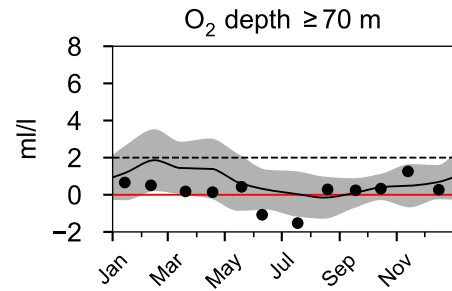
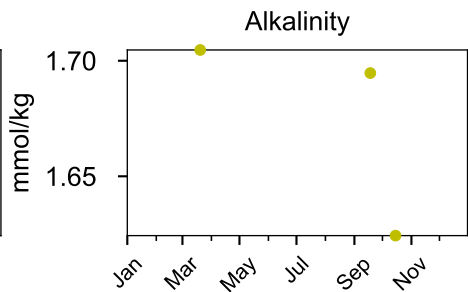
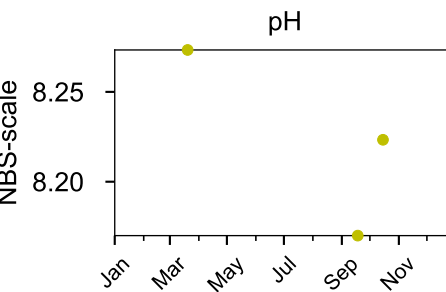
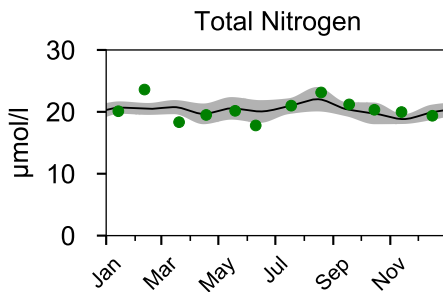
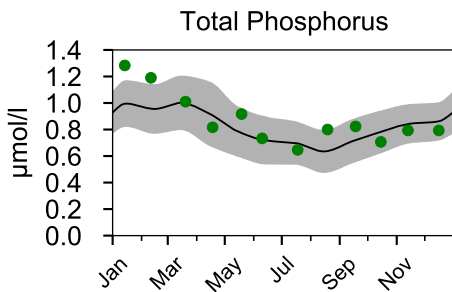
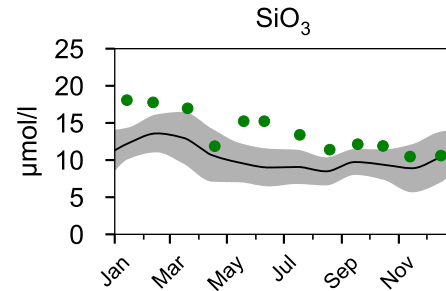
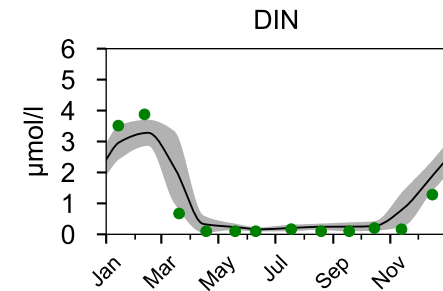
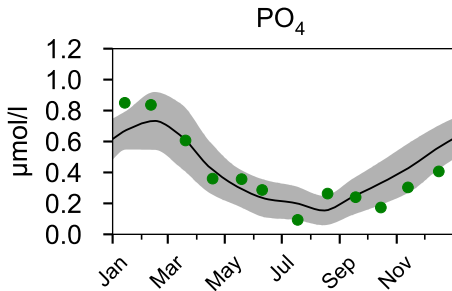
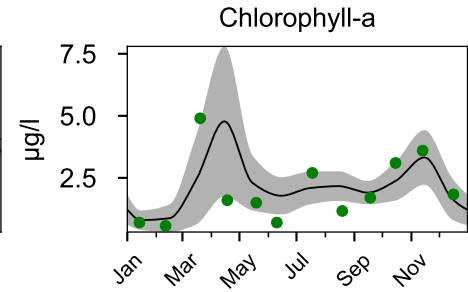
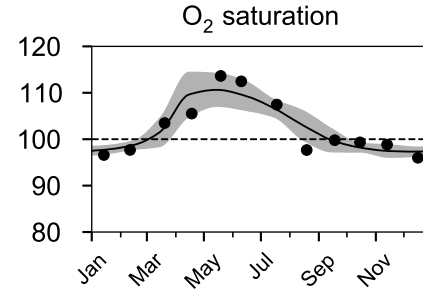
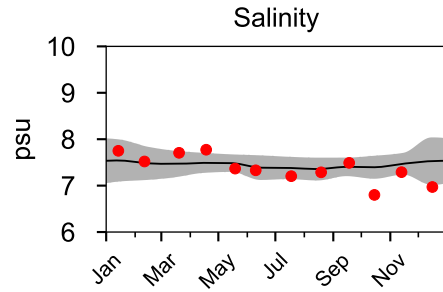
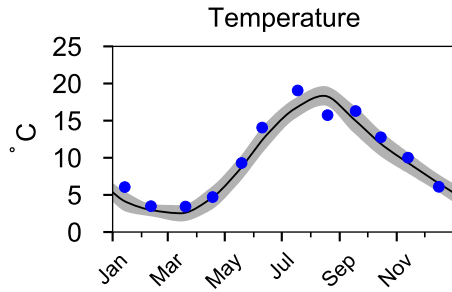
# STATION BY2 ARKONA SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



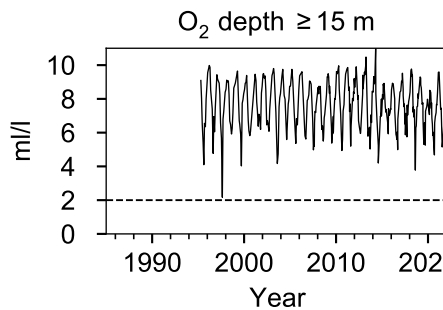
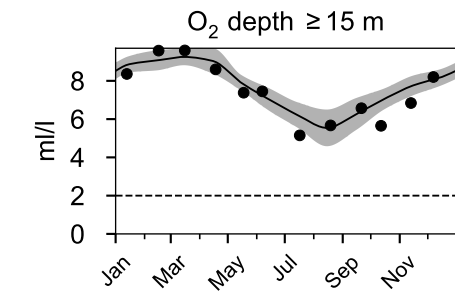
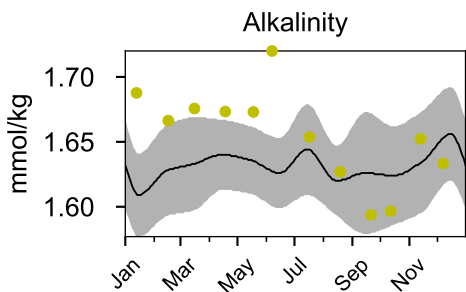
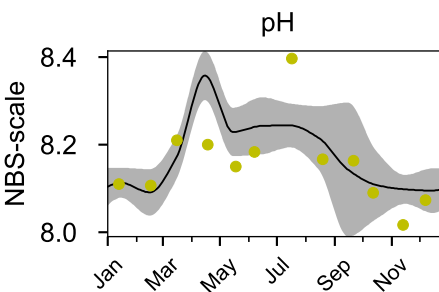
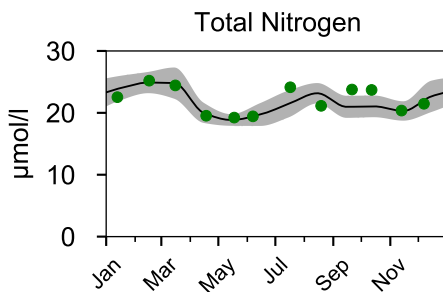
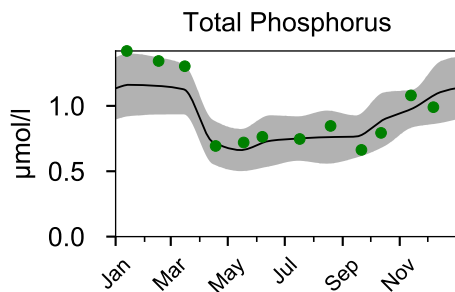
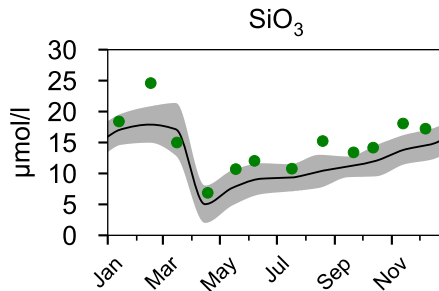
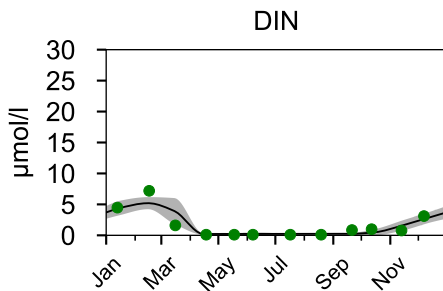
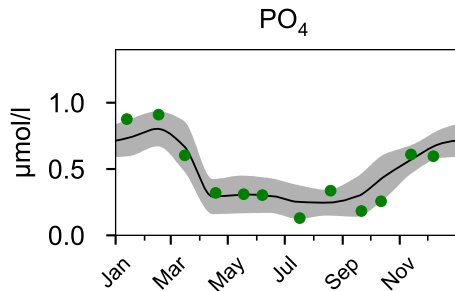
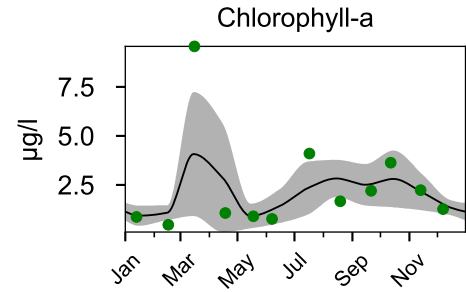
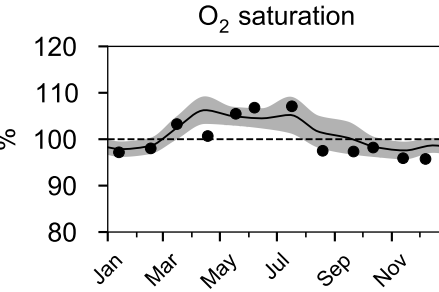
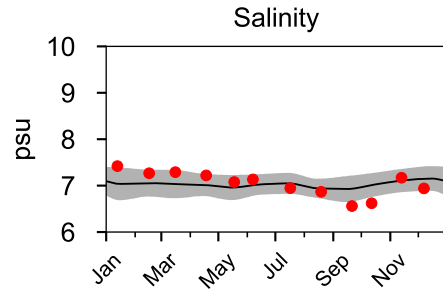
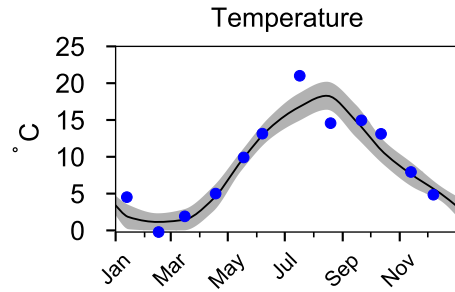
# STATION HANÖBUKTEN SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



# STATION REF M1V1 SURFACE WATER (0-10 m)

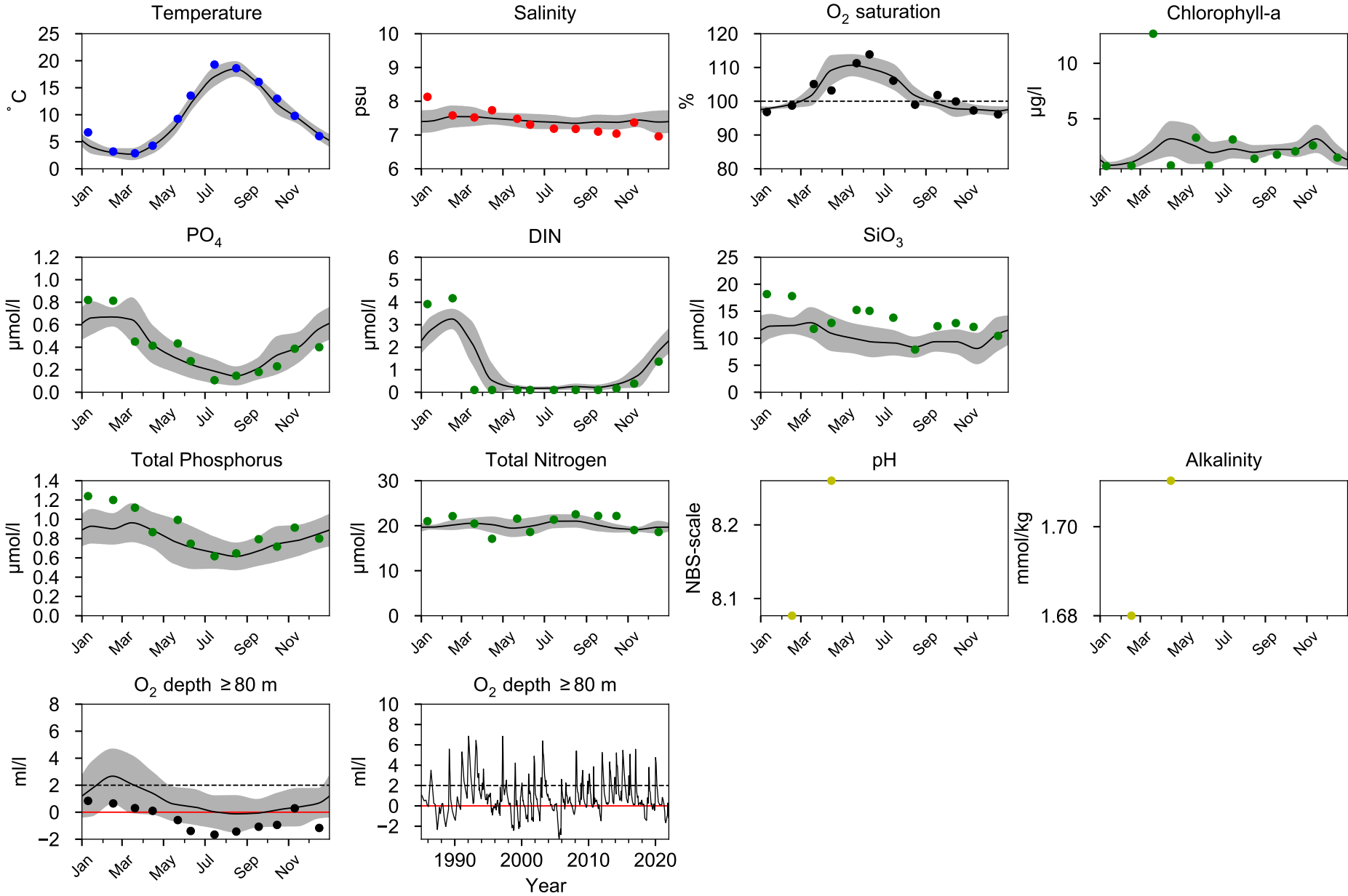
— Mean 2001-2015    ■ St.Dev.    ● 2021





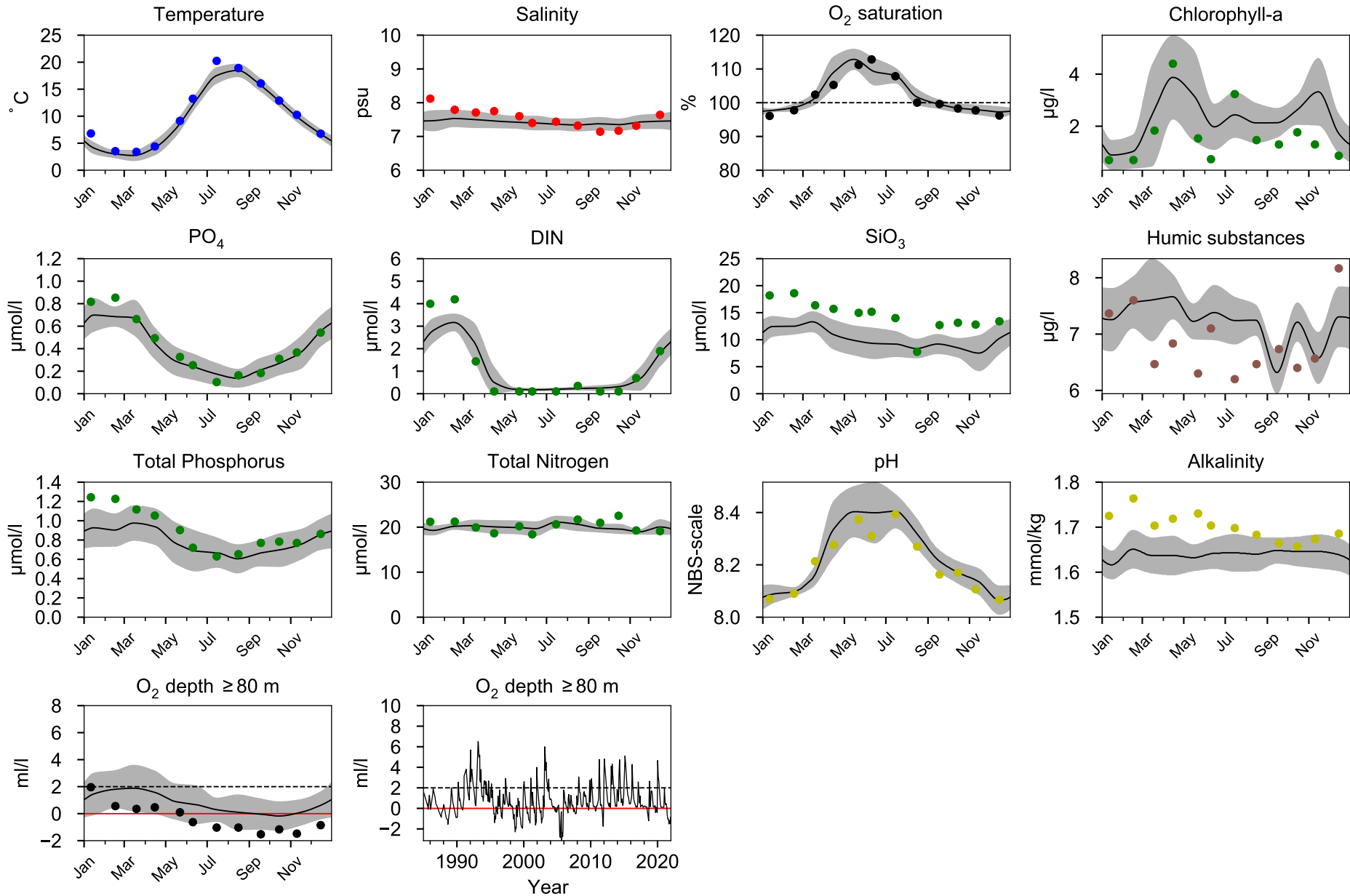
# STATION BY4 CHRISTIANSÖ SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



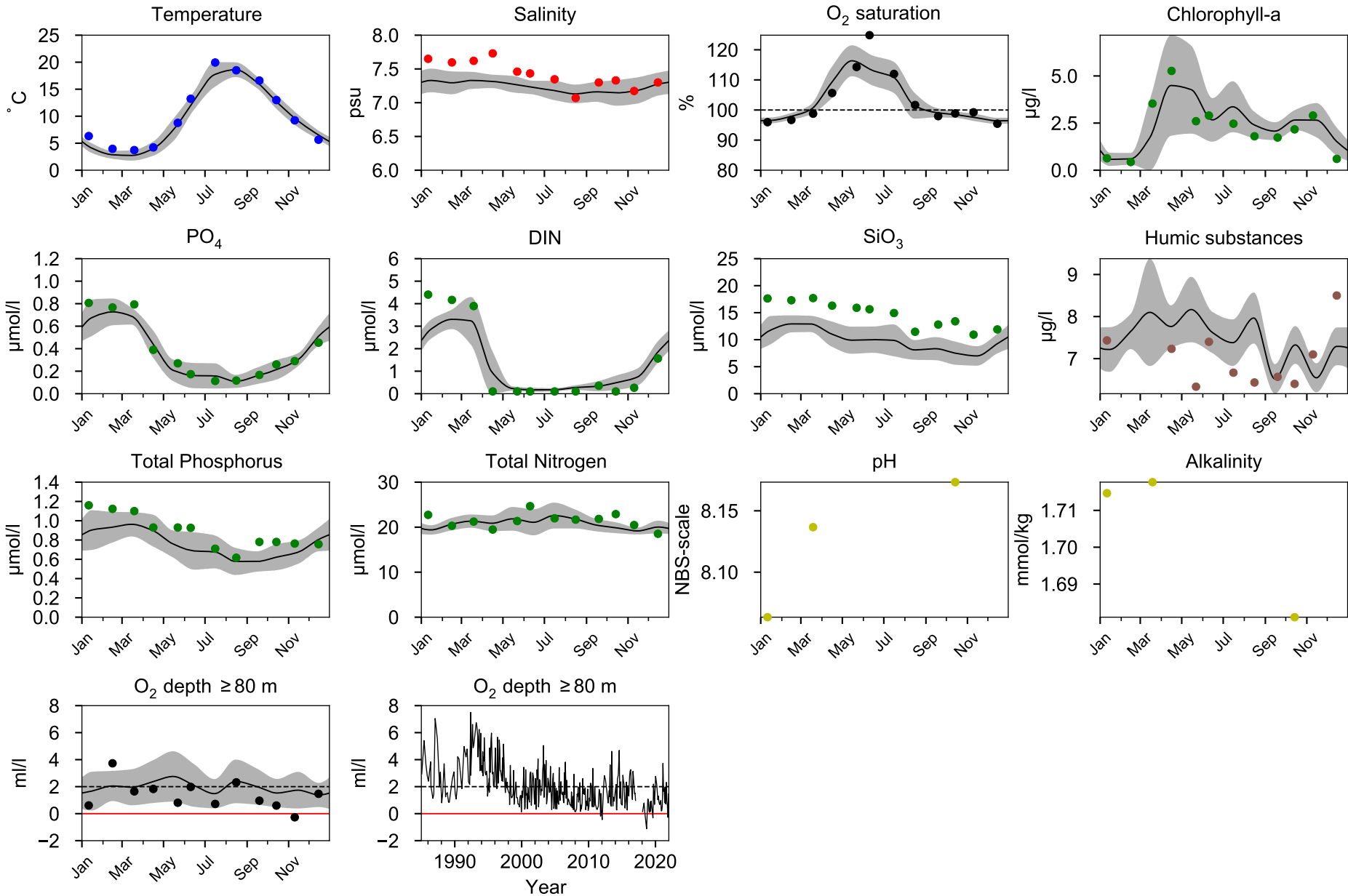
# STATION BY5 BORNHOLMSDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



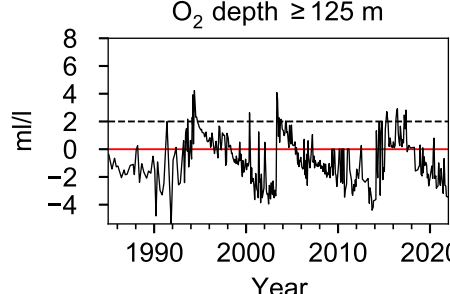
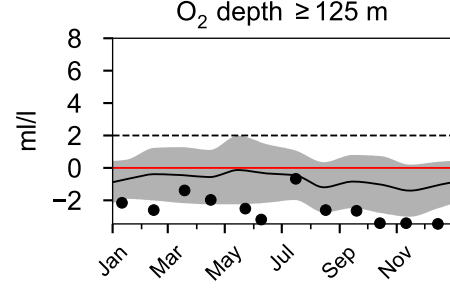
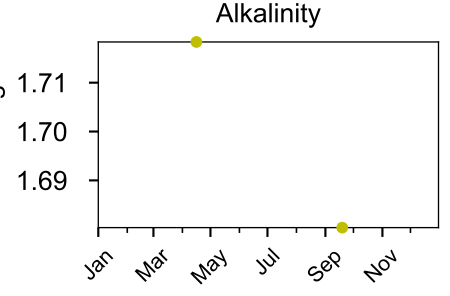
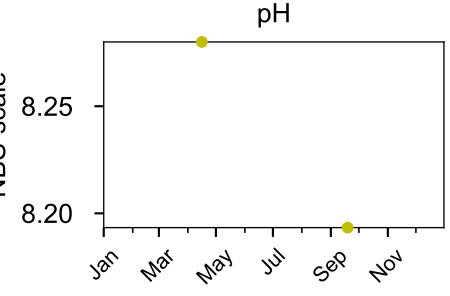
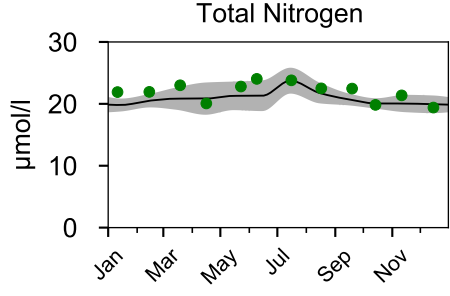
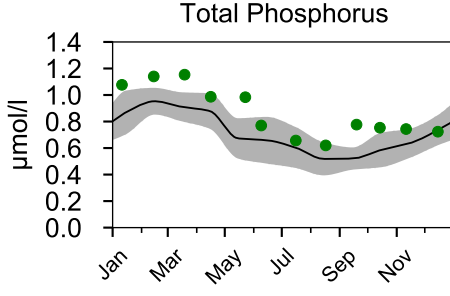
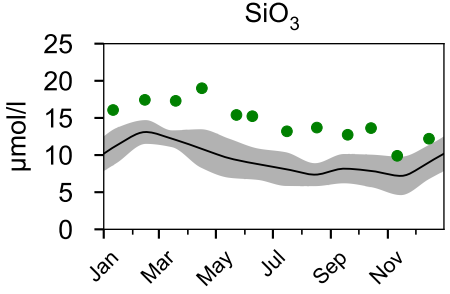
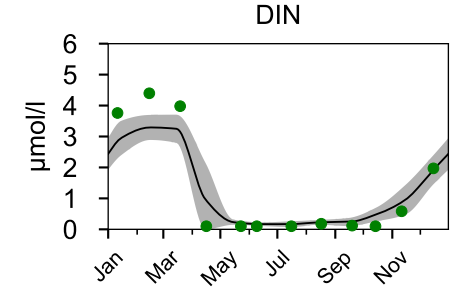
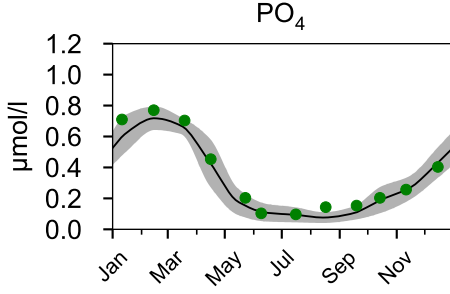
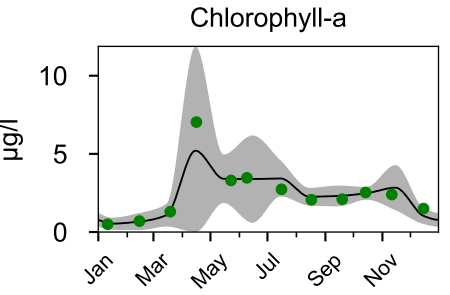
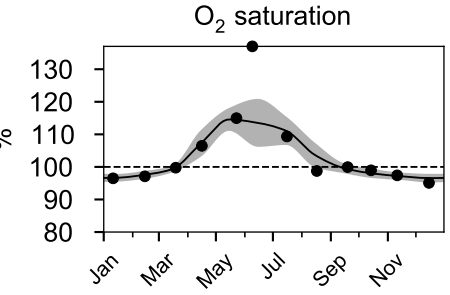
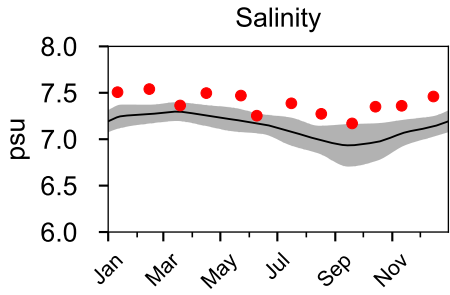
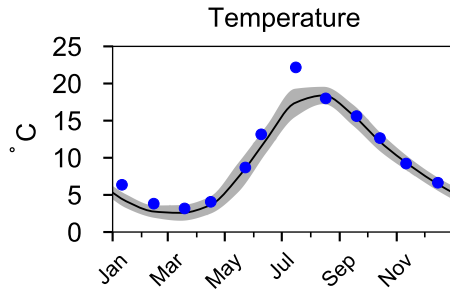
# STATION BCS III-10 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



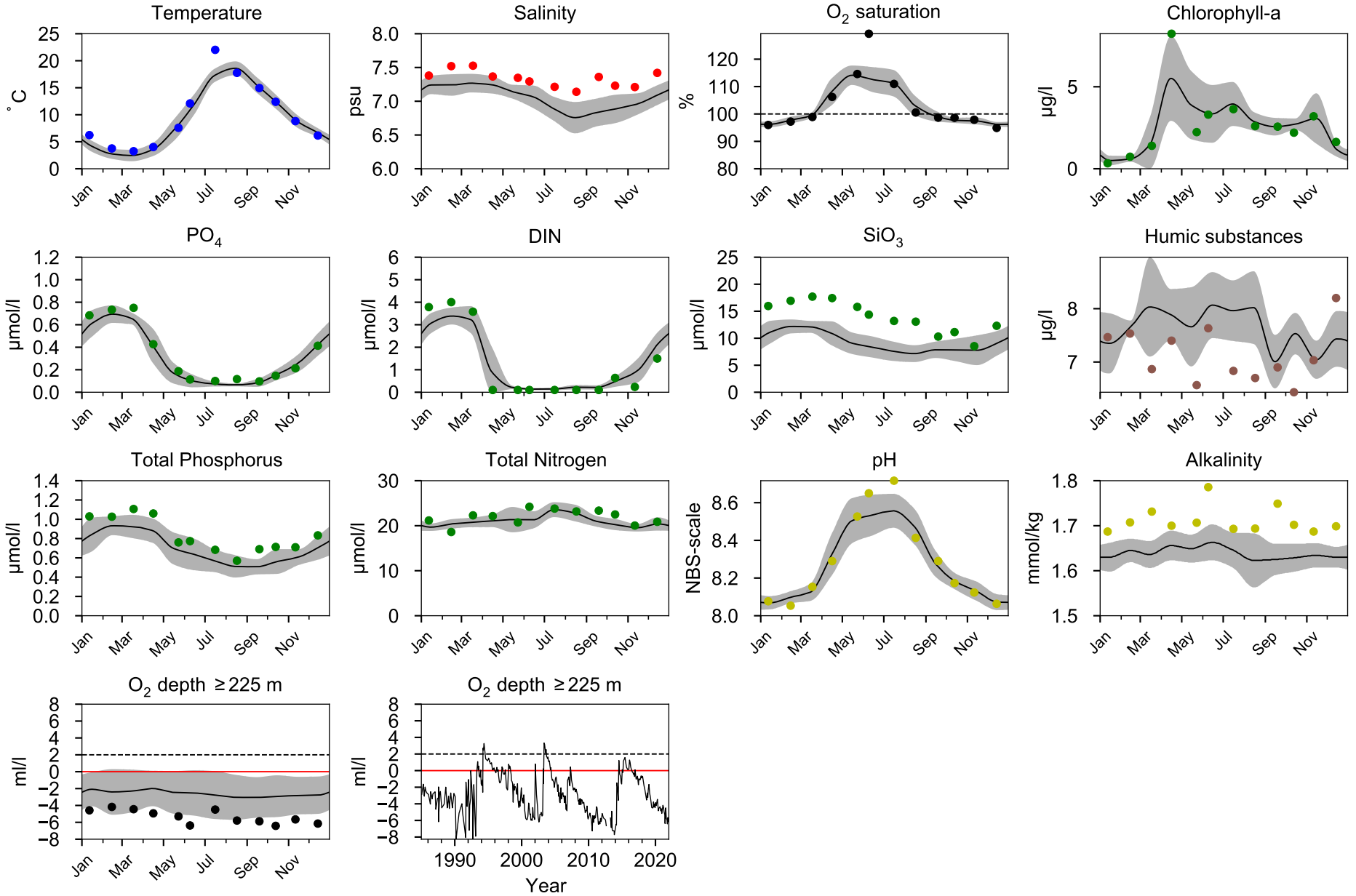
# STATION BY10 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



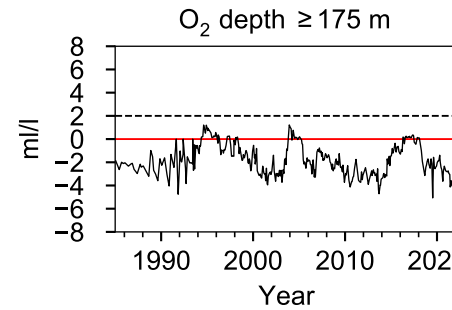
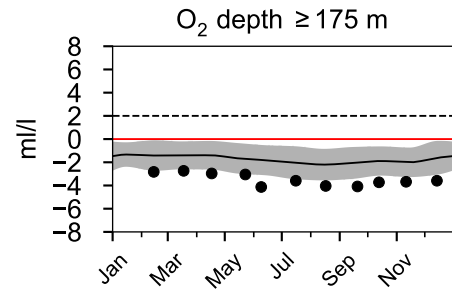
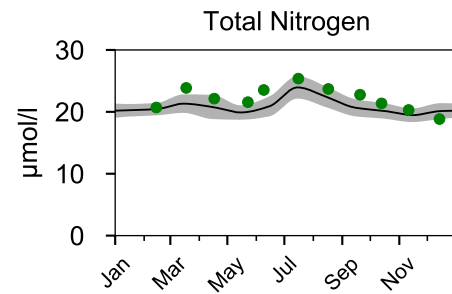
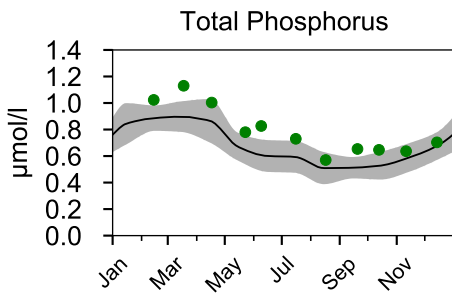
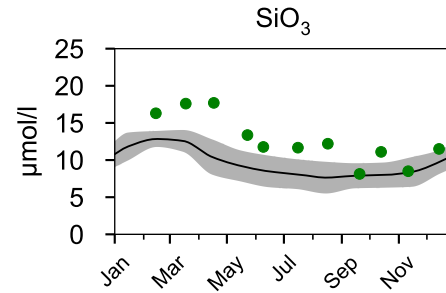
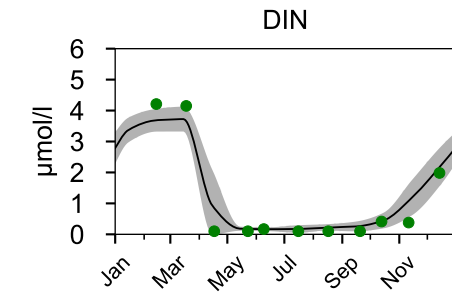
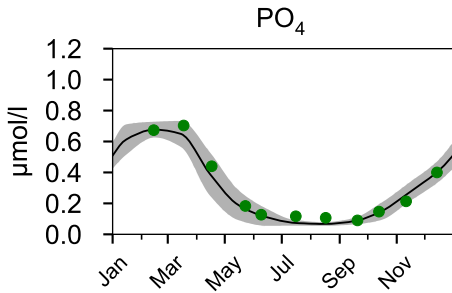
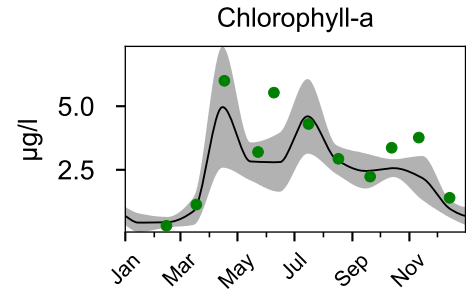
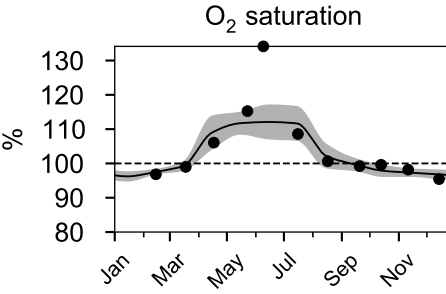
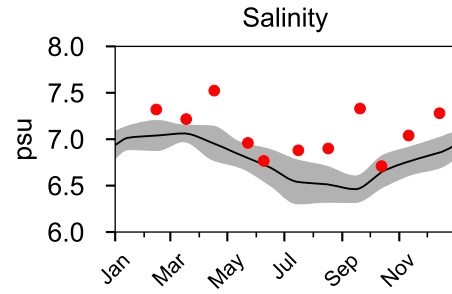
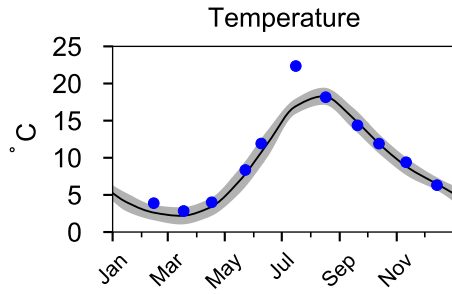
# STATION BY15 GOTLANDSDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



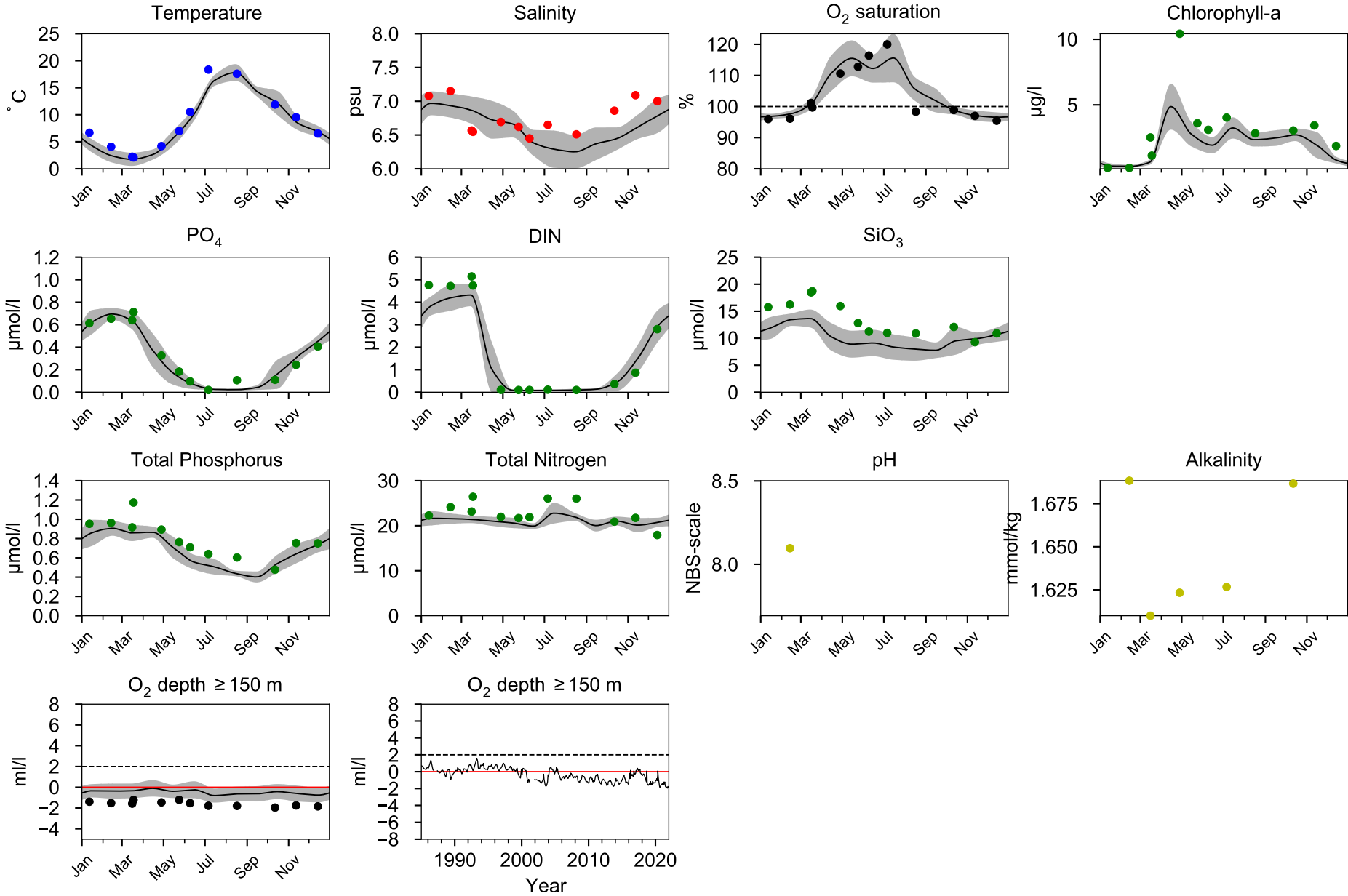
# STATION BY20 FÄRÖDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



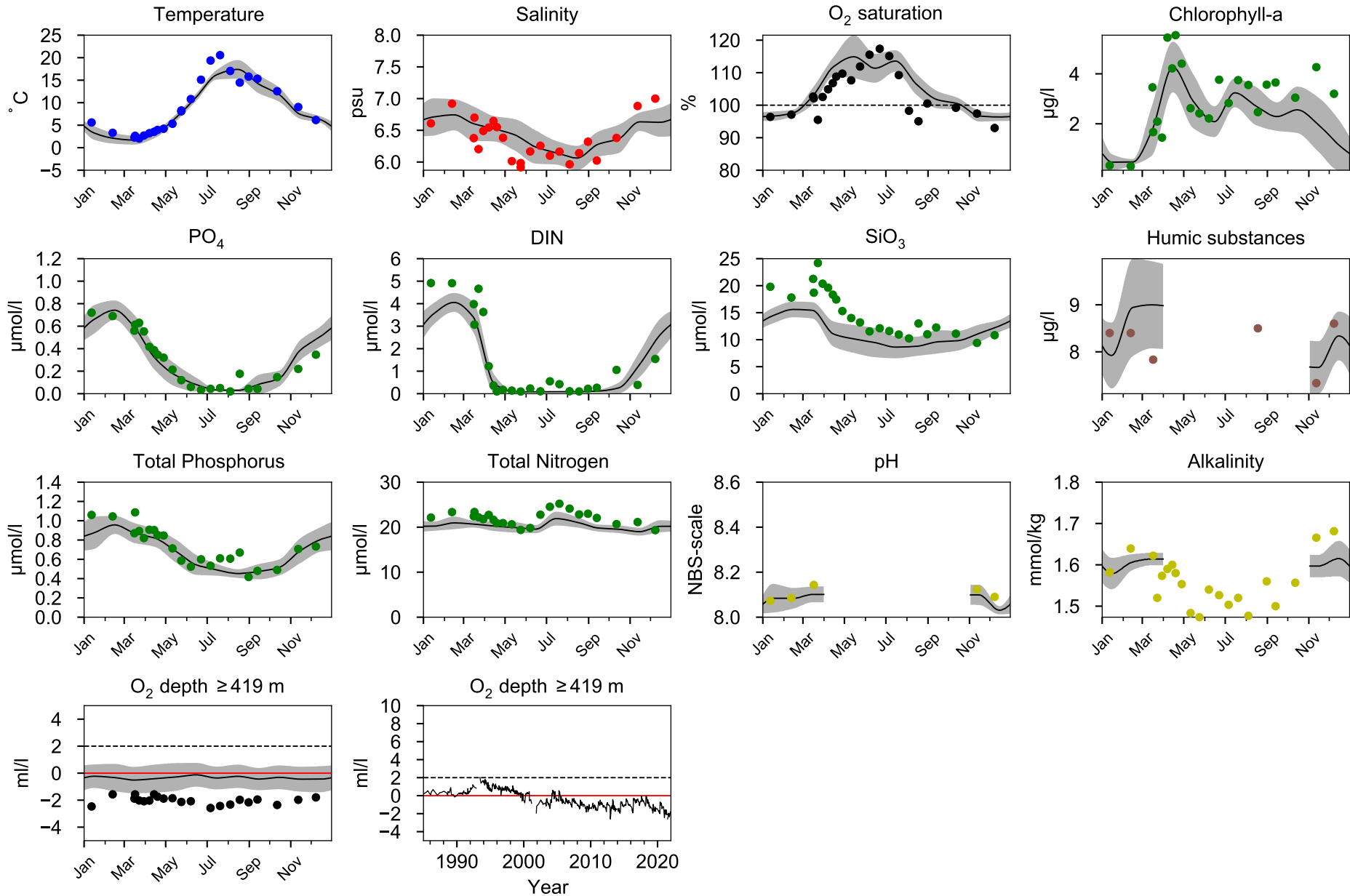
# STATION BY29 / LL19 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



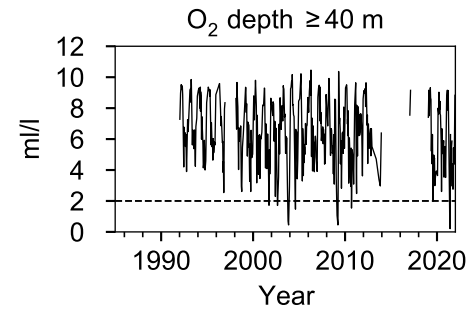
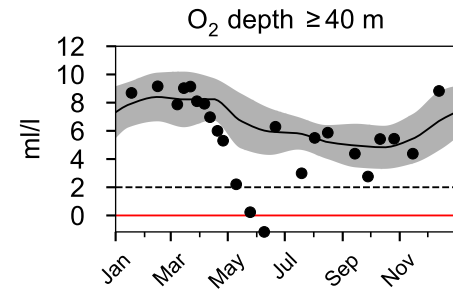
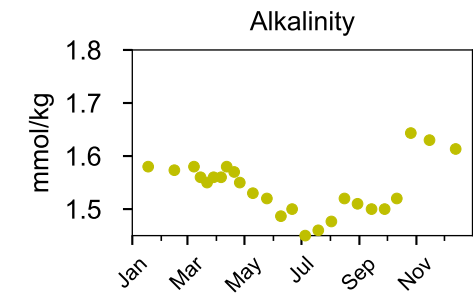
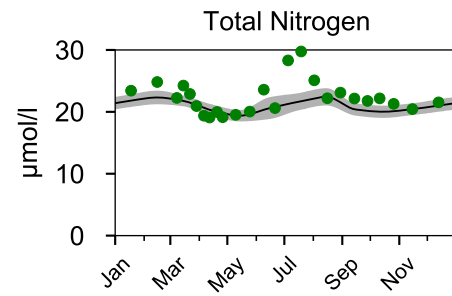
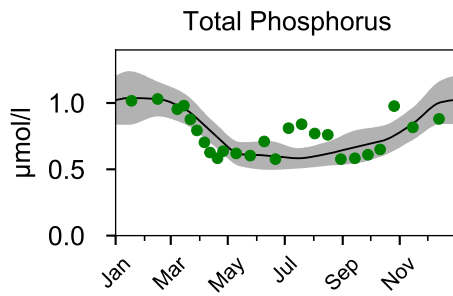
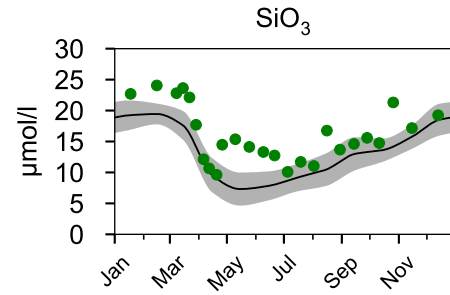
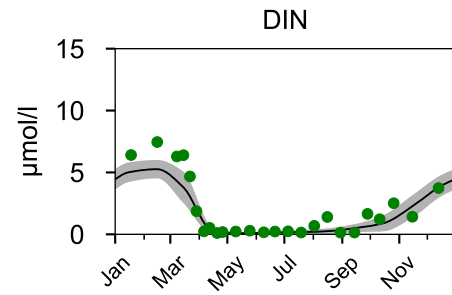
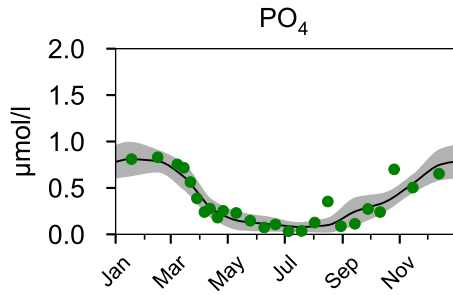
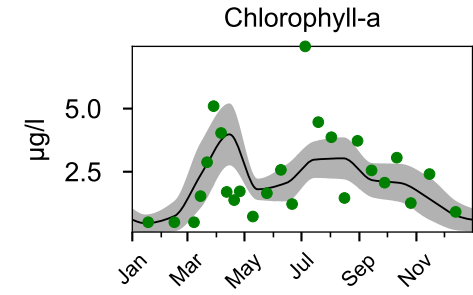
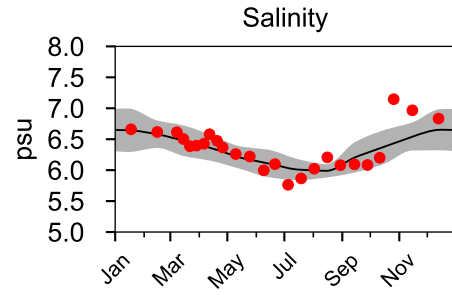
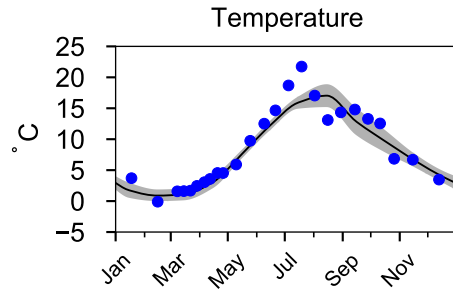
# STATION BY31 LANDSORTSDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



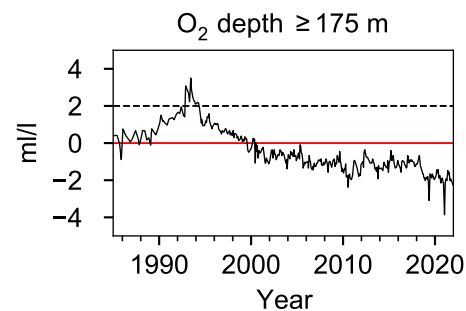
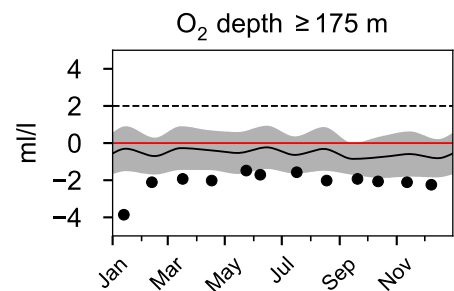
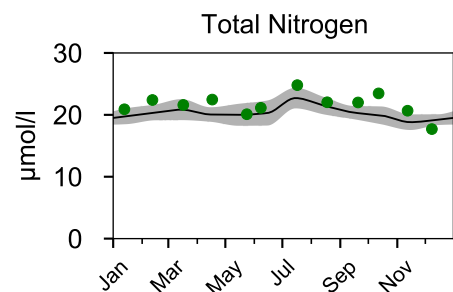
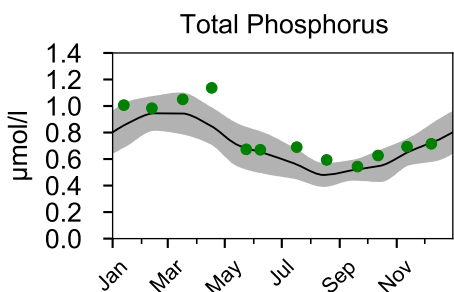
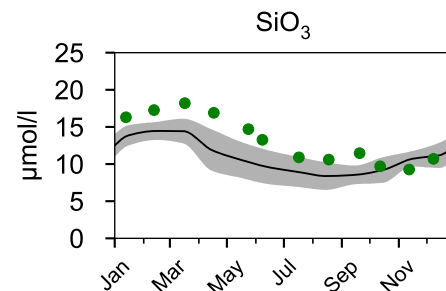
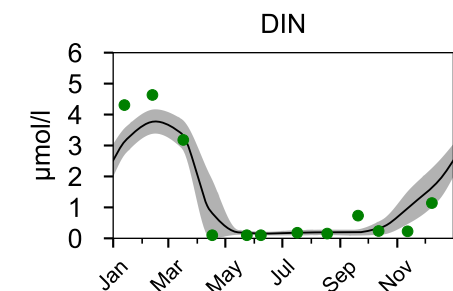
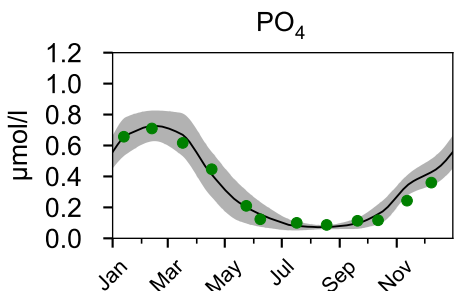
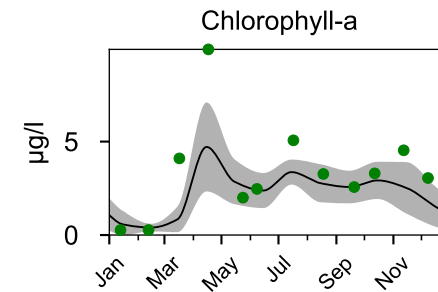
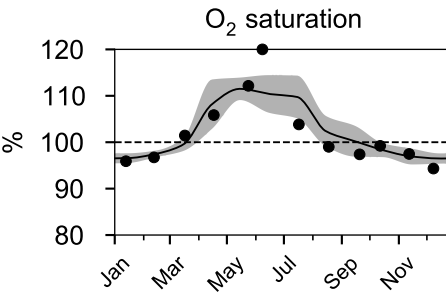
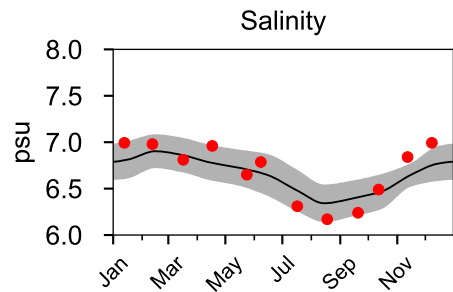
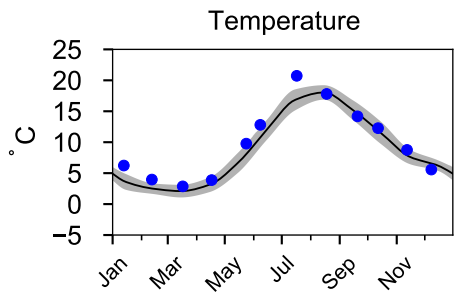


# STATION B1 SURFACE WATER (0-10 m)



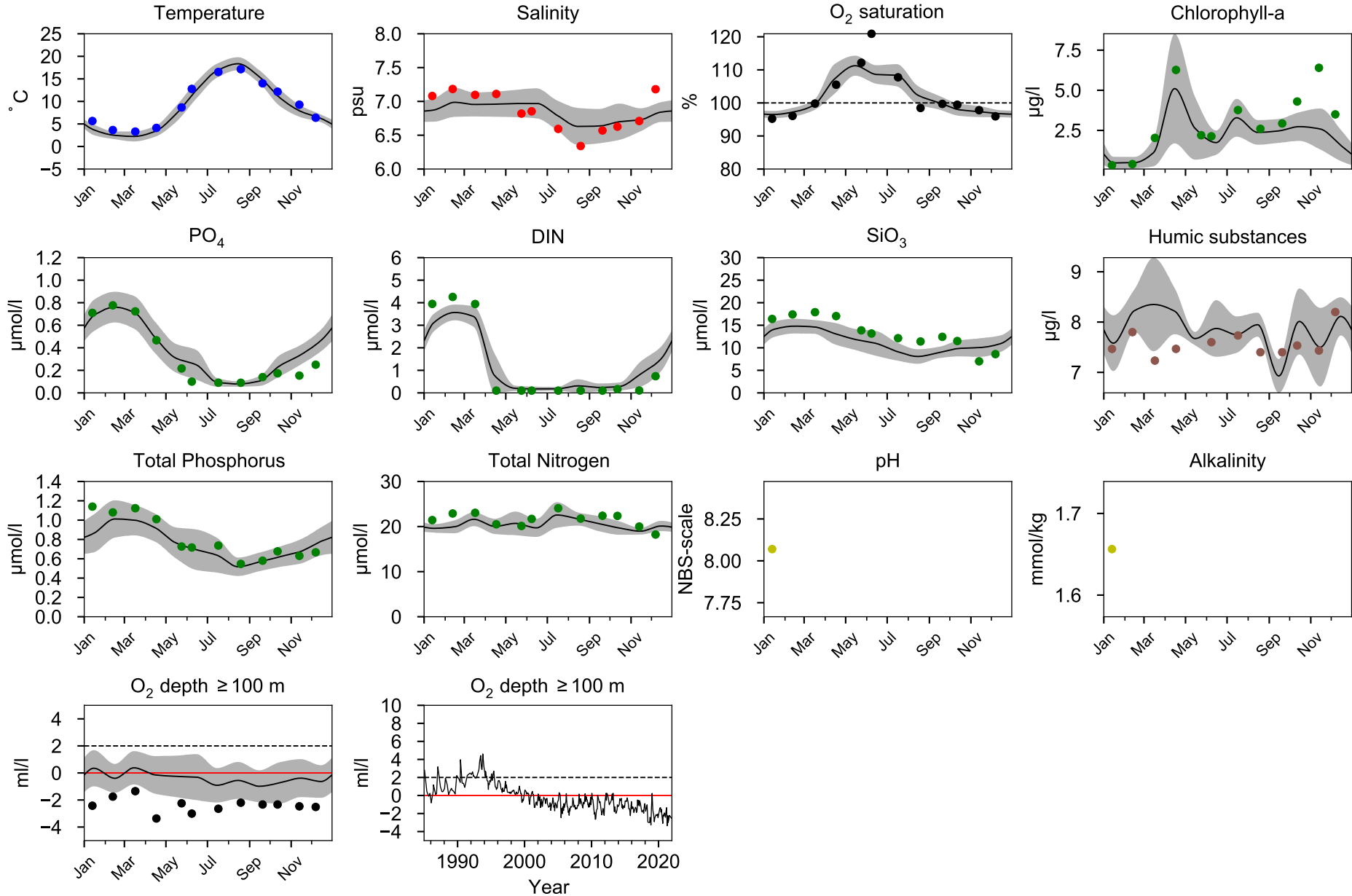
# STATION BY32 NORRKÖPINGSDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



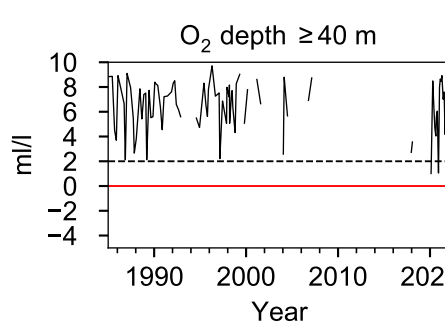
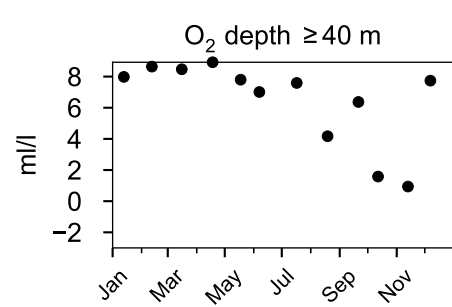
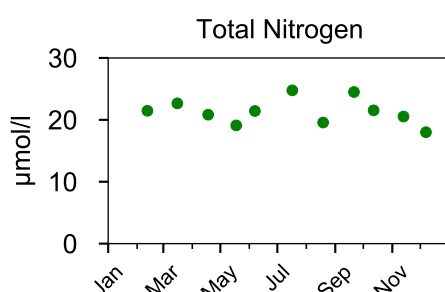
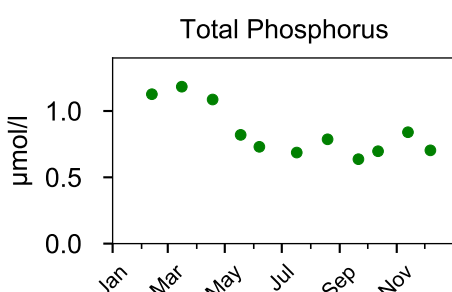
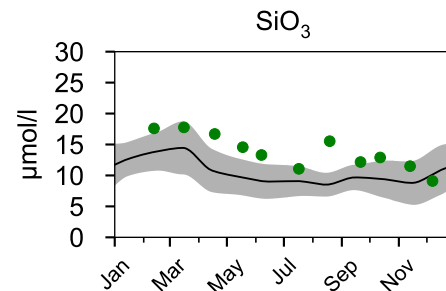
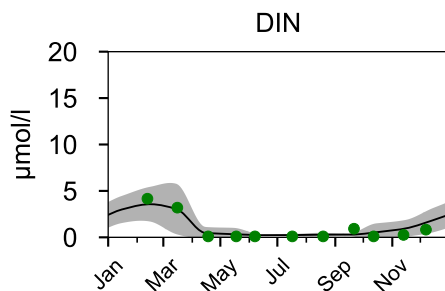
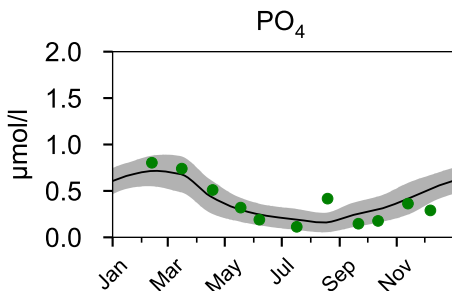
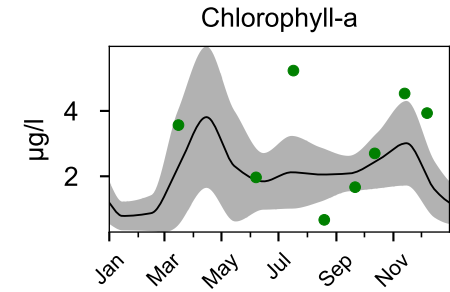
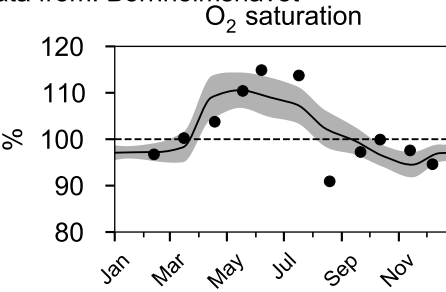
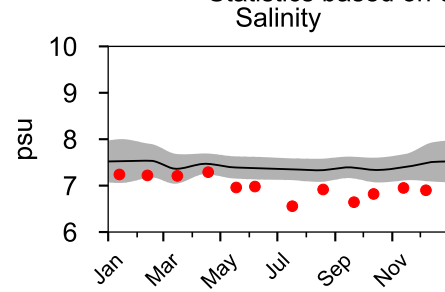
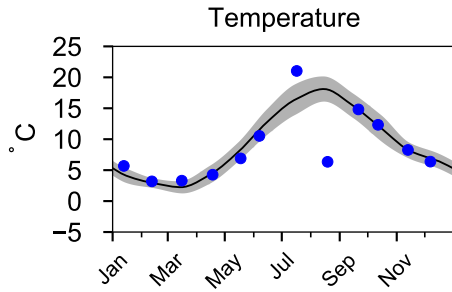
# STATION BY38 KARLSÖDJ SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



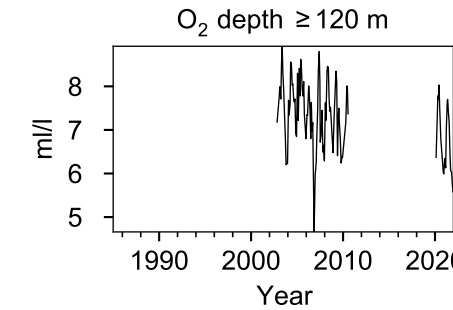
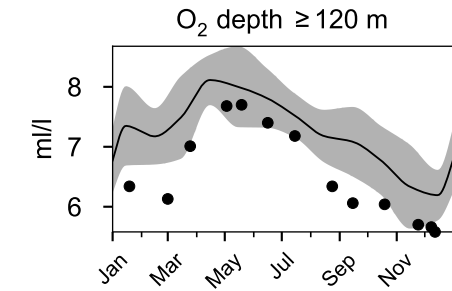
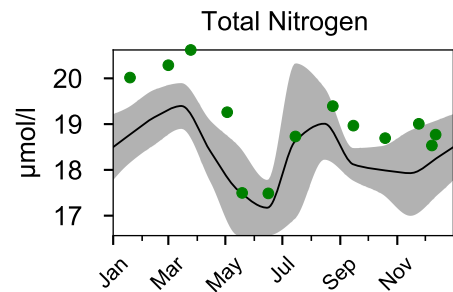
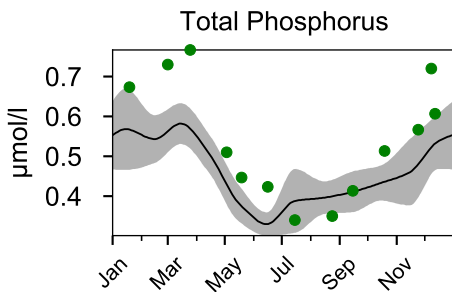
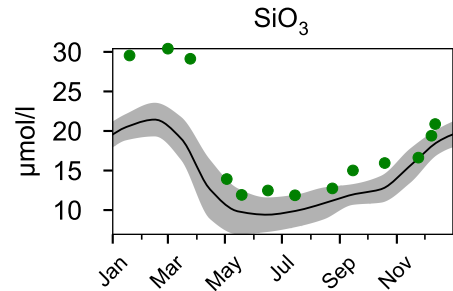
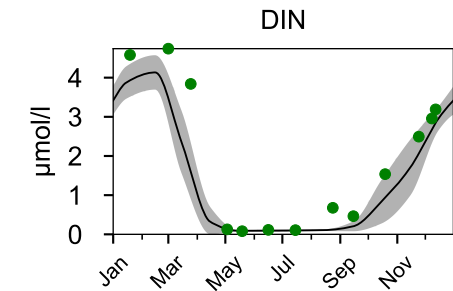
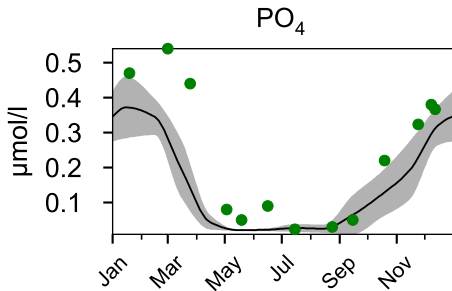
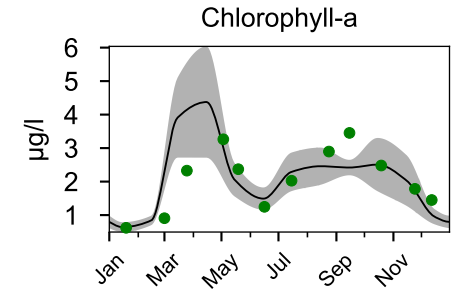
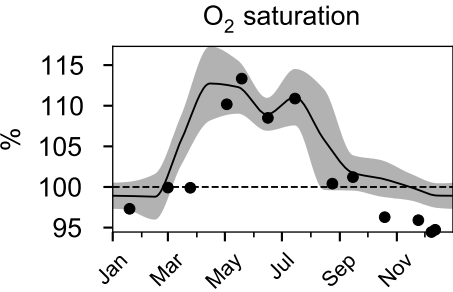
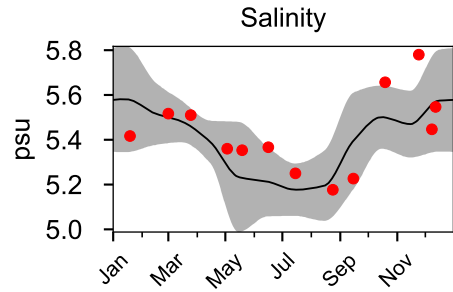
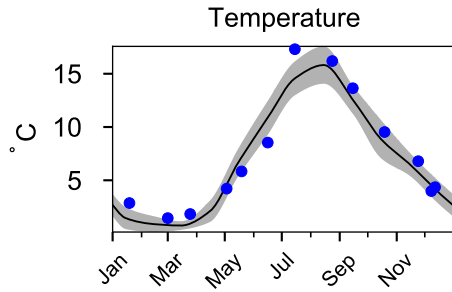
# STATION BY39 ÖLANDS S UDDE SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021  
 Statistics based on data from: Bornholmshavet

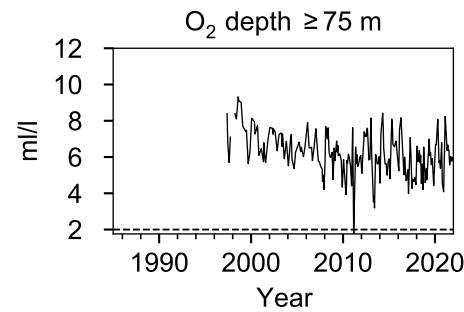
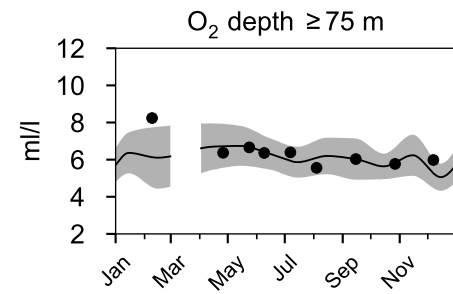
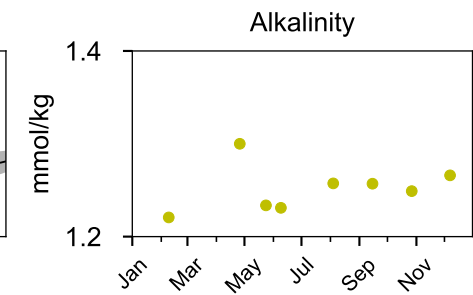
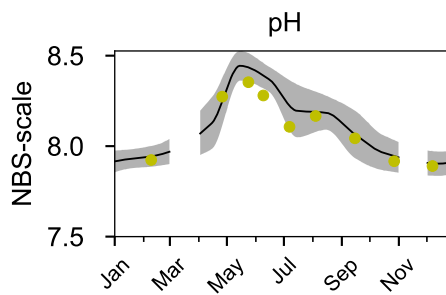
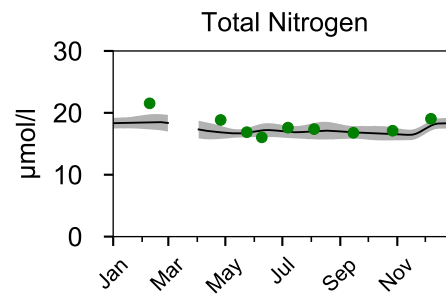
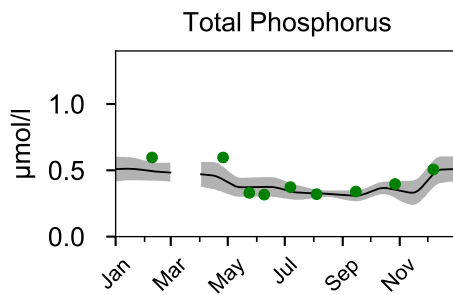
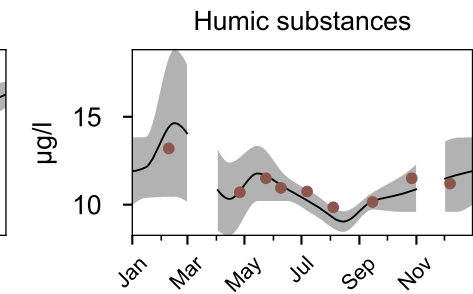
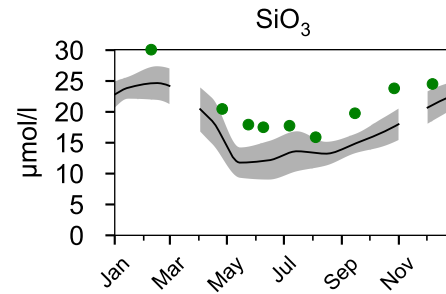
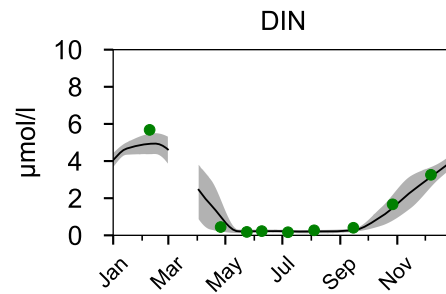
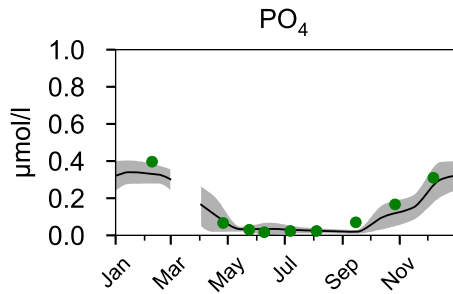
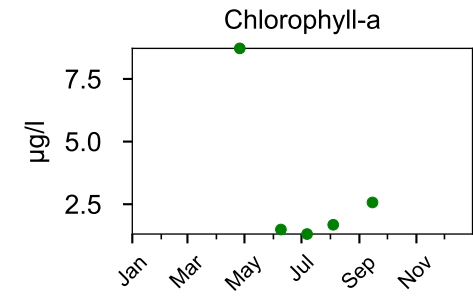
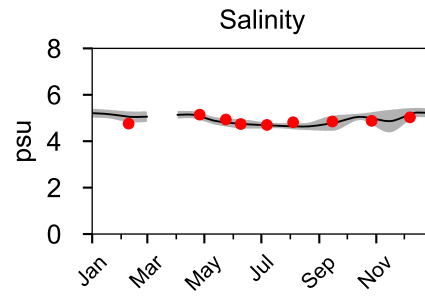
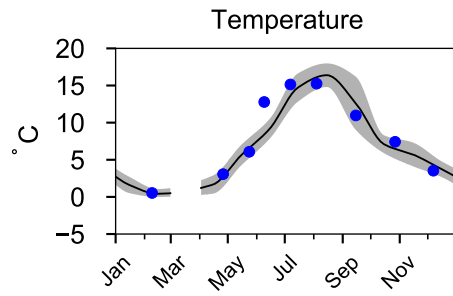


# STATION U19 NORRA RANDEN SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021

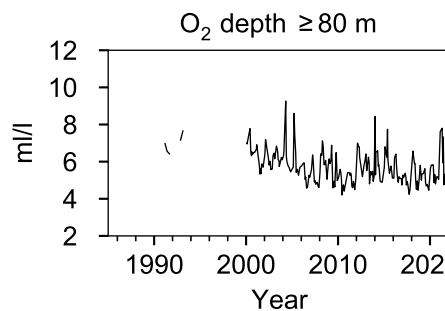
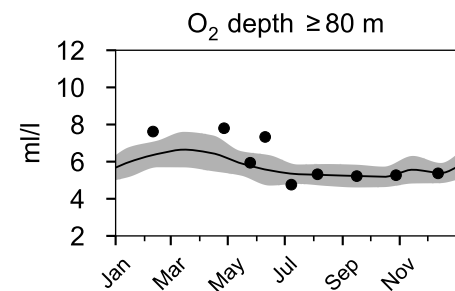
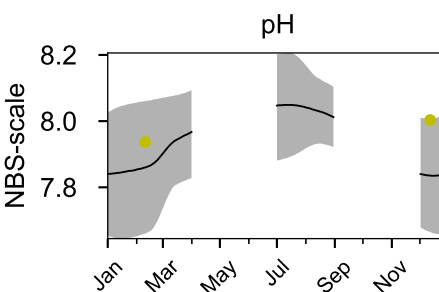
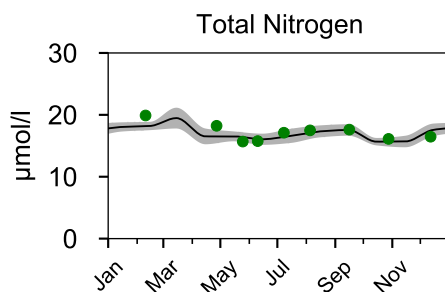
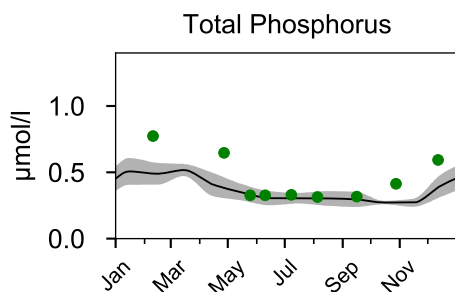
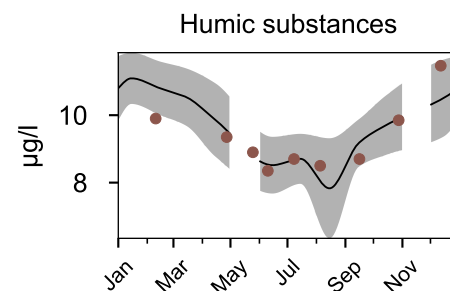
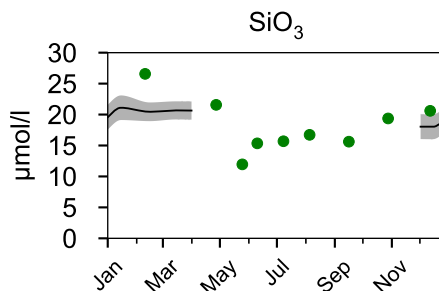
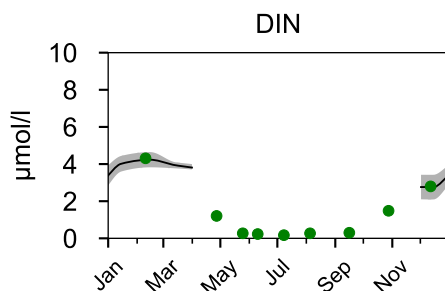
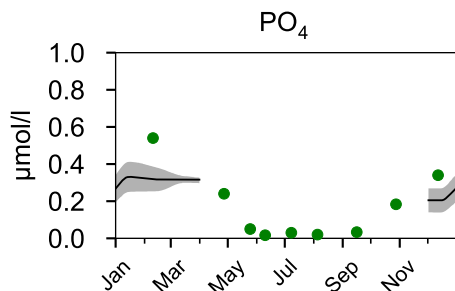
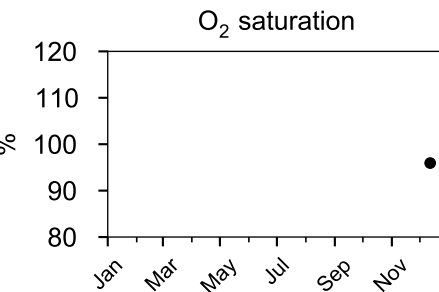
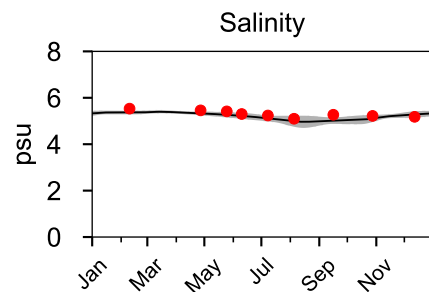
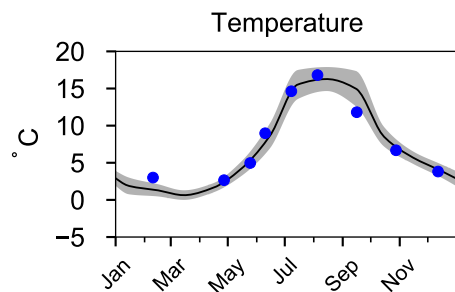


# STATION GAVIK-1 SURFACE WATER (0-10 m)



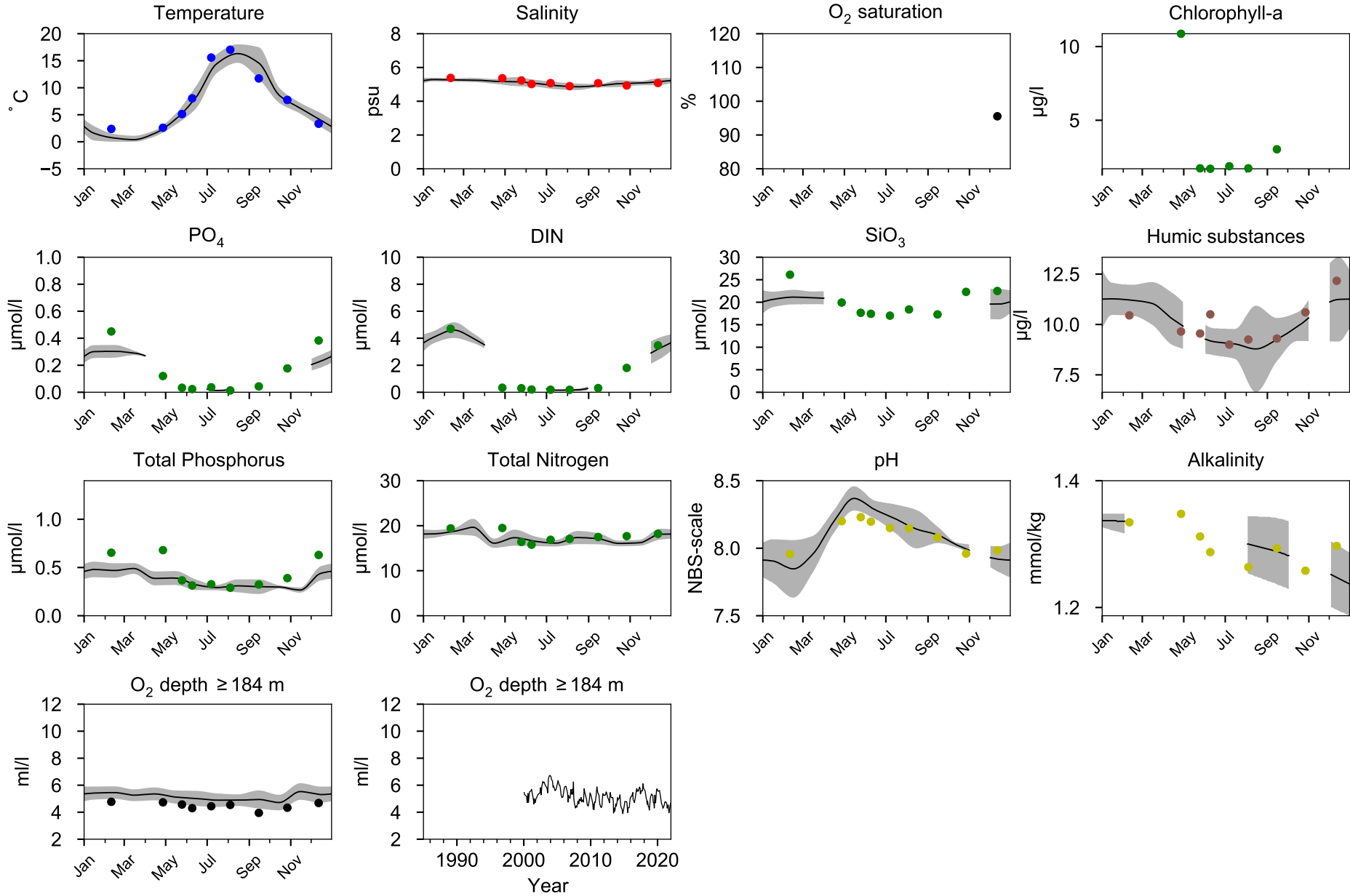
# STATION MS4 / C14 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



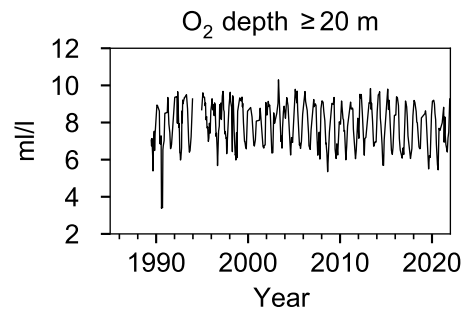
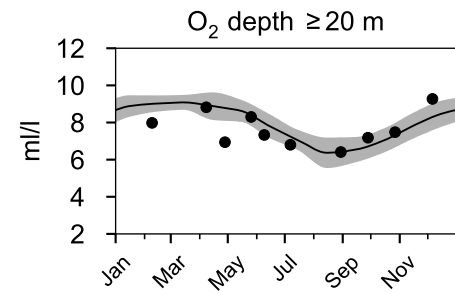
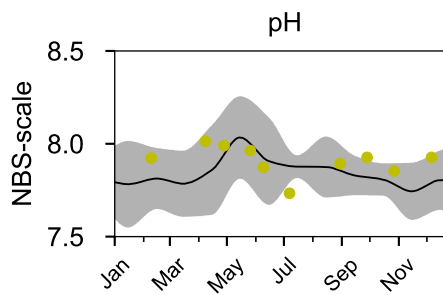
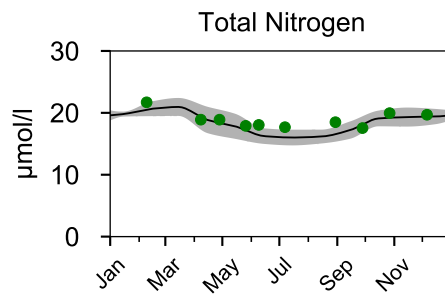
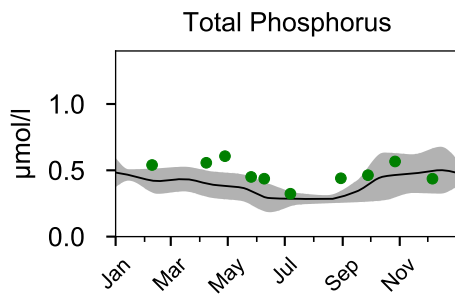
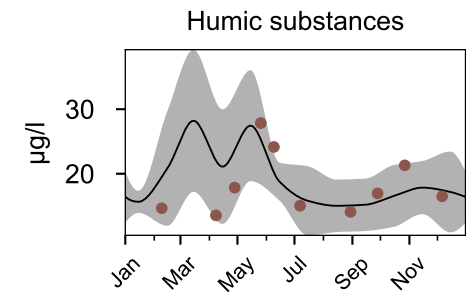
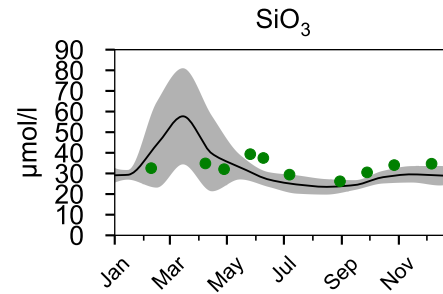
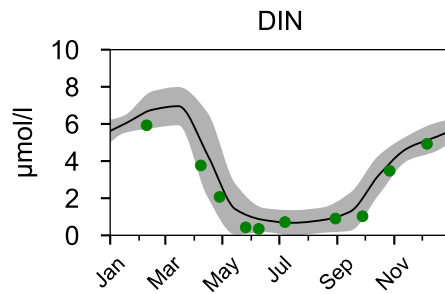
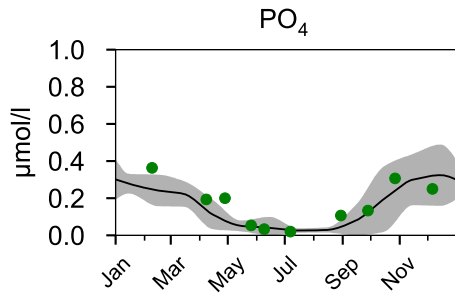
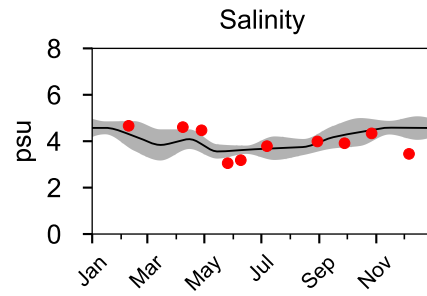
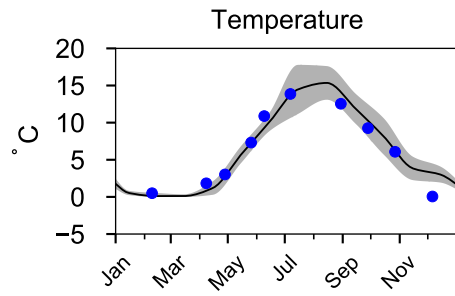
# STATION C3 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021

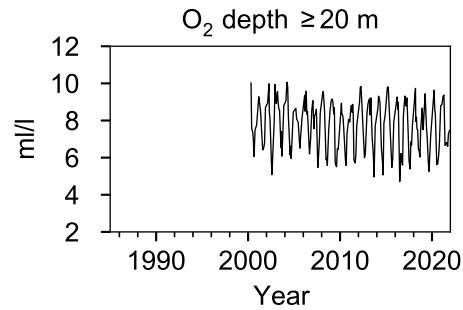
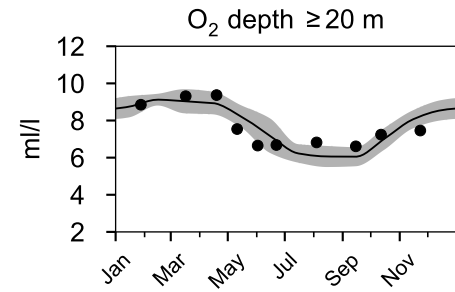
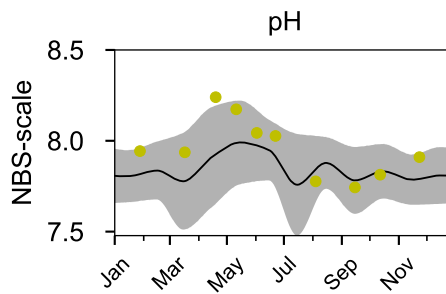
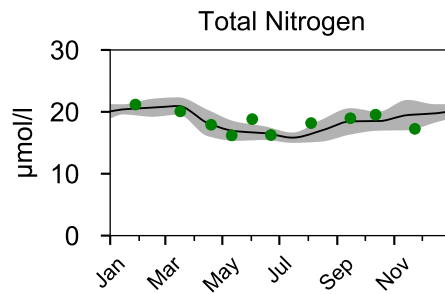
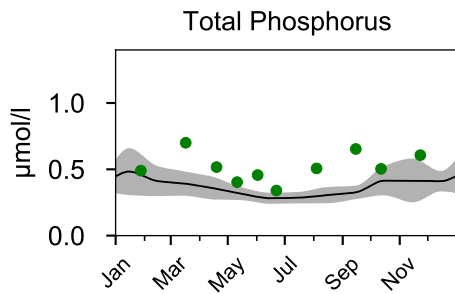
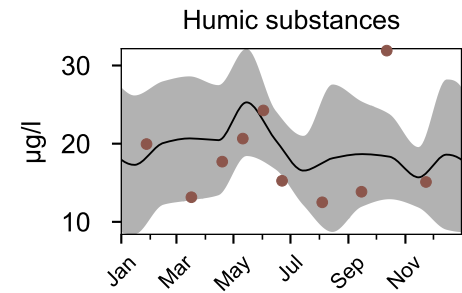
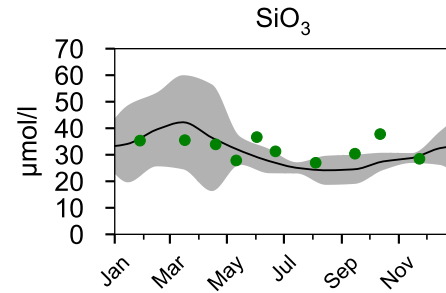
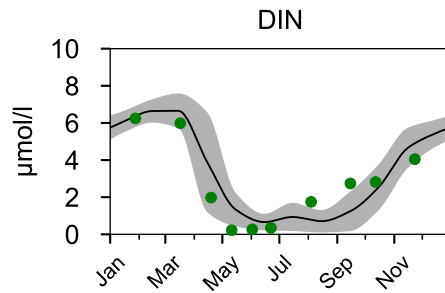
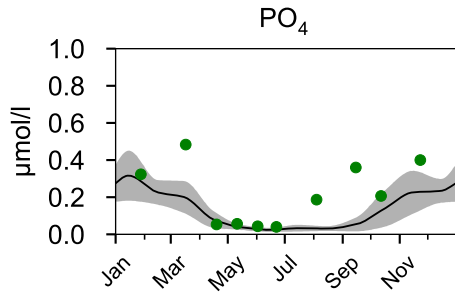
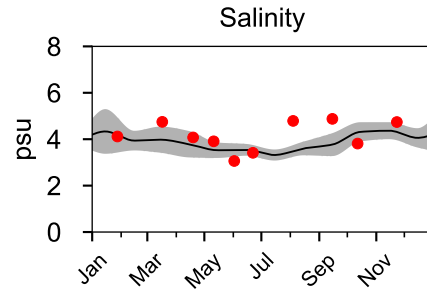
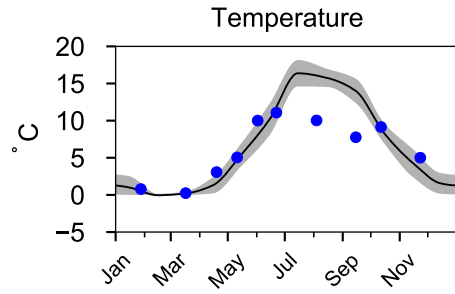




# STATION NB1 / B3 SURFACE WATER (0-10 m)

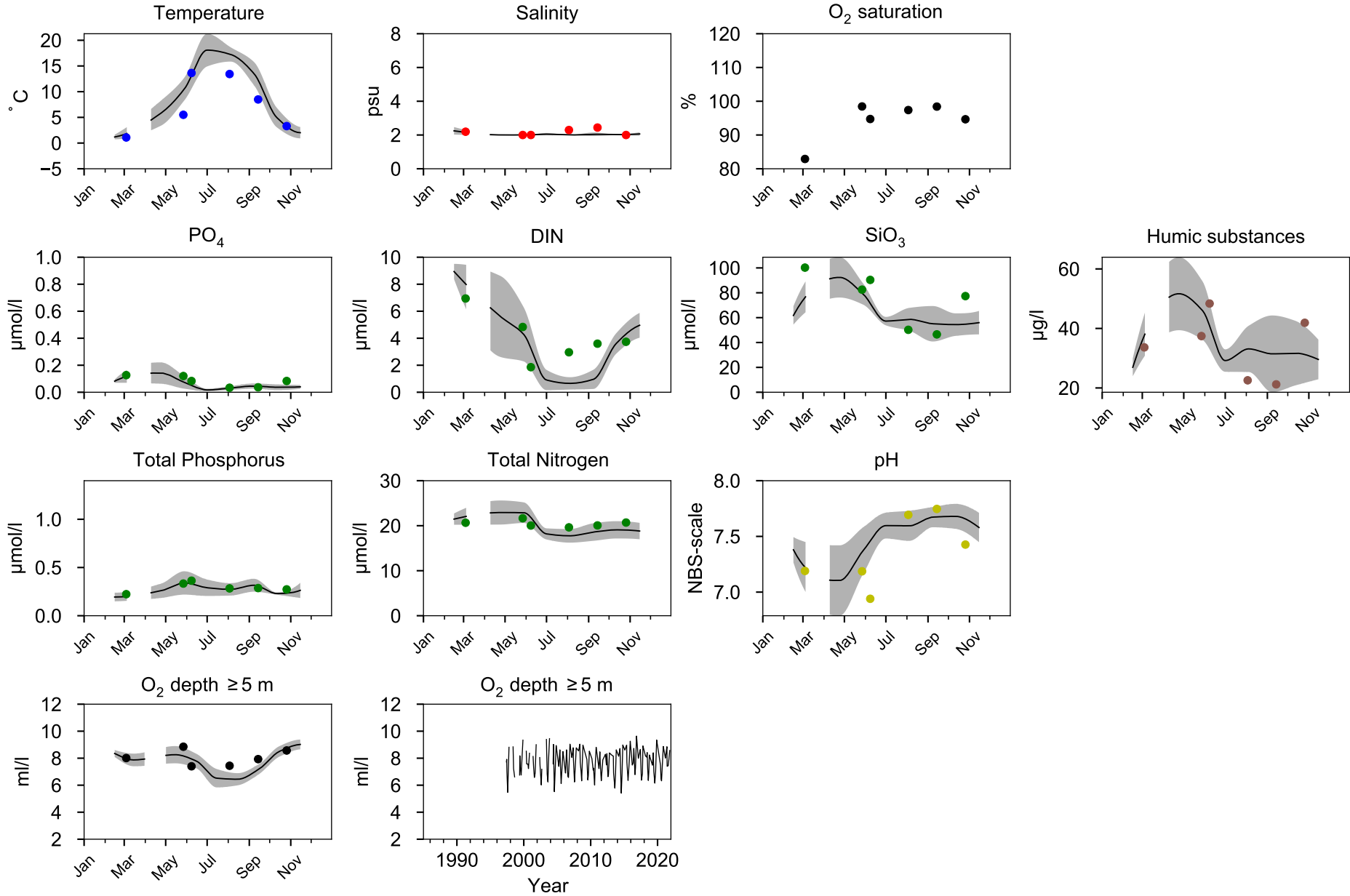


# STATION B7 SURFACE WATER (0-10 m)



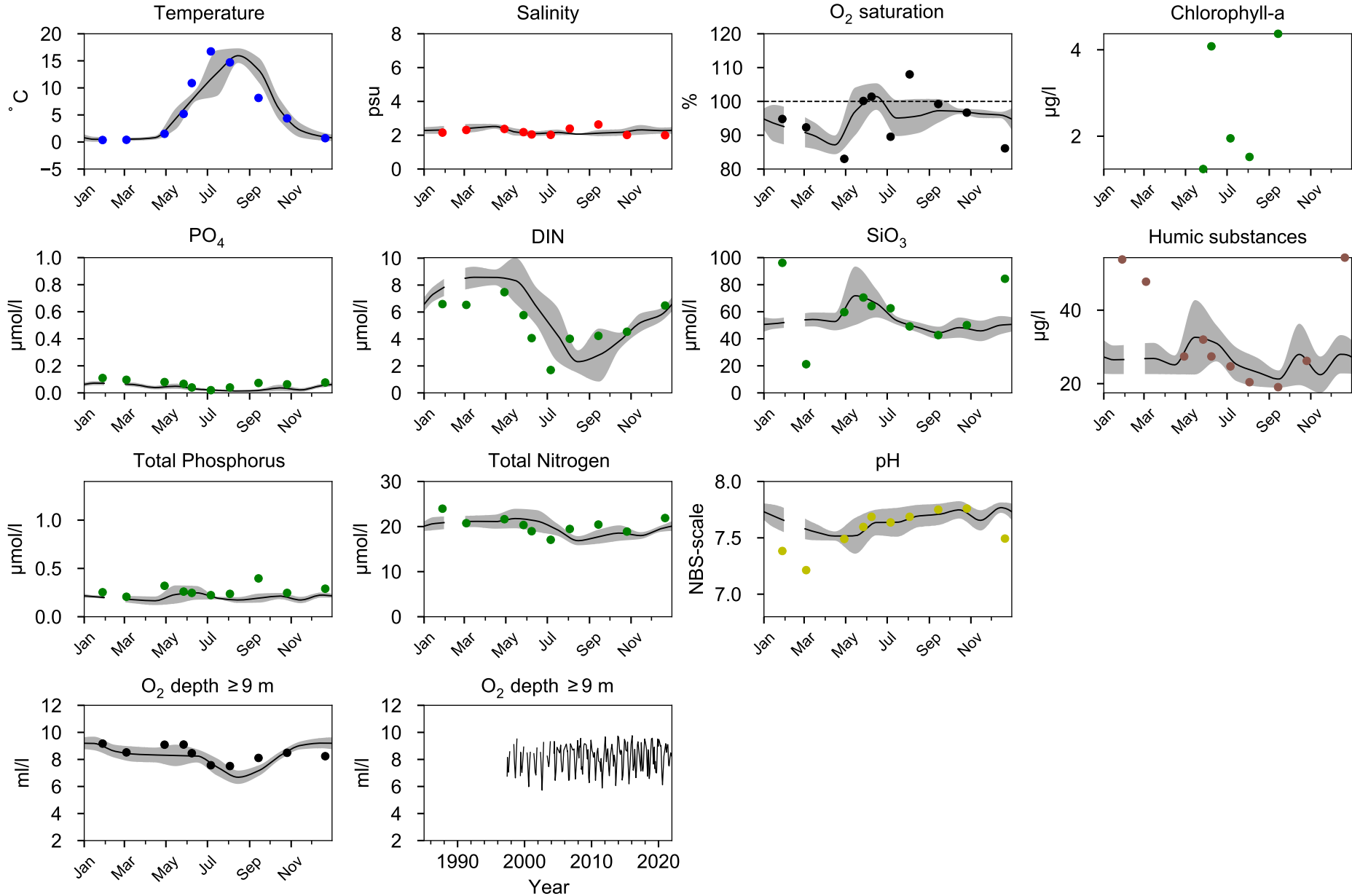
# STATION RÂNEA-1 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



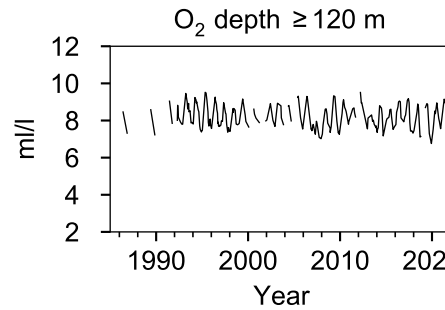
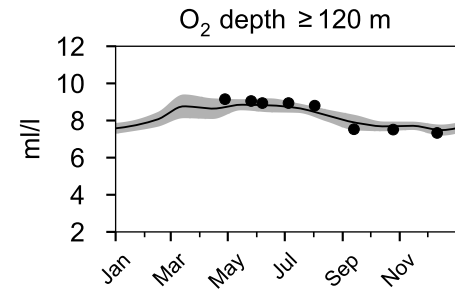
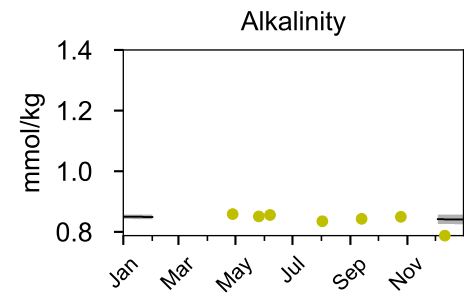
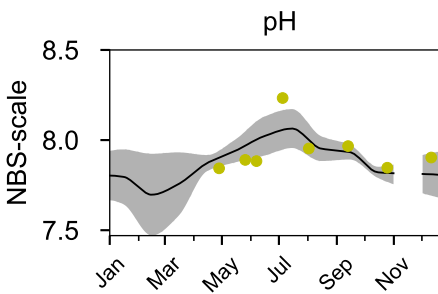
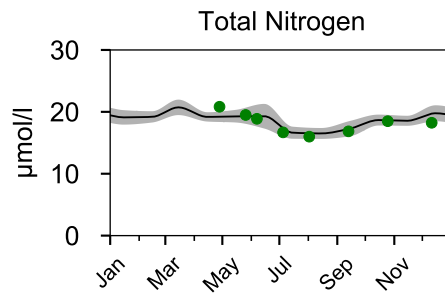
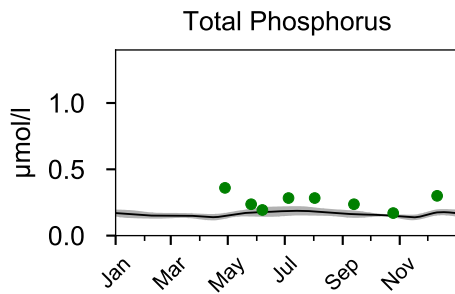
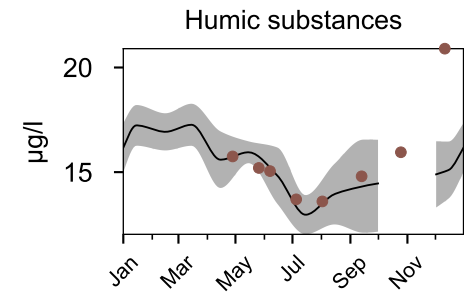
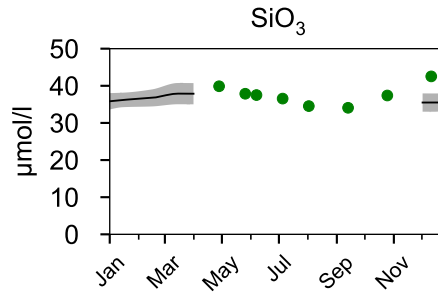
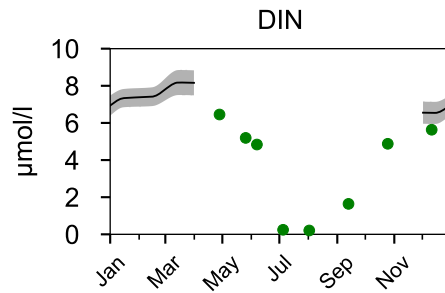
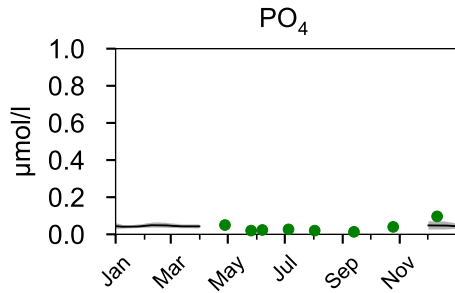
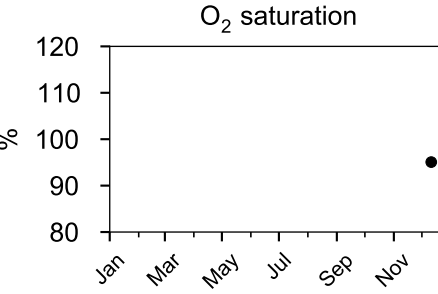
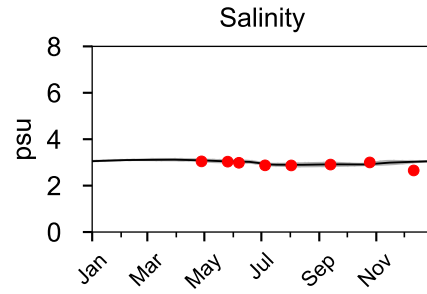
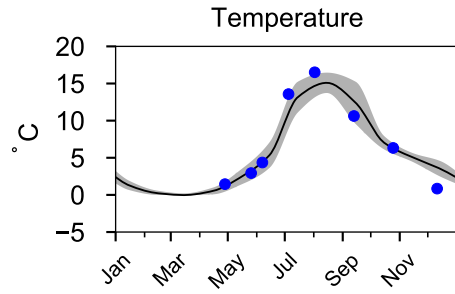
# STATION RÂNEA-2 SURFACE WATER (0-10 m)

— Mean 2001-2015    St.Dev.    ● 2021



# STATION F9 / A13 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021



# STATION F3 / A5 SURFACE WATER (0-10 m)

— Mean 2001-2015    ■ St.Dev.    ● 2021

