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*Supplement of*

## **Aragonite saturation states and pH in western Norwegian fjords: seasonal cycles and controlling factors, 2005–2009**

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### Figure Captions

**FigS1:** Time series of monthly variations in **A)** pH(sst), **B)** SST, **C)**  $\Omega_{Ar}(sst)$  and **D)** nDIC for the whole study area in 2005-2009.

**FigS2:** **A)** compares pH(sst) with pH values obtained from Eq. 5 (y-axis). **B)** Compares  $\Omega_{Ar}(sst)$  with values obtained from Eq. 6 (y-axis). The solid black lines are the regression lines.



