

## ***Interactive comment on “Air–sea carbon flux from high-temporal-resolution data of in situ CO<sub>2</sub> measurements in the southern North Sea” by Steven Pint et al.***

### **Anonymous Referee #1**

Received and published: 17 December 2020

In principle, I welcome new data. On the other hand, my immediate reaction after reading the manuscript is "so what". I fail to read anything that is not already known for the North Sea. It is the responsibility of the authors to clearly demonstrate what is new, other than just presenting a new set of data from a single buoy. My second concern is that there is a huge correction of the original data. The assumptions made in these corrections must be clearly stated. Another thing is that the study is for a single buoy in a well-studied sea. There should be some comparison with other shelves to make the study more significant in the context of global change.

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Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2020-442, 2020.