
We would like to thank the two reviewers for their careful readings and constructive criticisms. We answer in this document to the specific comments of reviewer 3. Reviewer comments are in regular blue font, our replies are in regular black font, text extractions in black italic font, and modifications in red font in the Track Changes version of the manuscript.

Suggestions for technical corrections: - Be consistent with “in-situ” and “in situ” I have corrected the manuscript with in-situ.

- Also, be consistent with UK and American English. For example in some parts you write “modelling”, while in others you write “modeling”, the same also applies for “dike” and “dyke”. Please revise throughout the text. I have chosen then UK English and corrected accordingly.

- Sometimes you write “data are” and some others “data is”. Please be consistent - revise throughout the text. I have revised the text.

- Line 79: change “(Figure 1.a)” to “(Figure 1.A)” When referring to figures, use the exact symbols. I have revised the text.

- Line 107: “roll, pitch and yaw information were”, correct to “was” I have corrected the text.

- Line 110: “The bathymetric surveys were processed and qualified according to the IHO S-44 standard in effect at the time of the surveys were conducted (IHO, 2017a)” - Please revise this sentence, as it is not very clear, improving the English. I have corrected the text. It is now : *The bathymetric surveys were processed and qualified in accordance with the IHO S-44 standard that was in effect at the time the surveys were conducted (IHO, 2017).*

- Line 111: “Measured depths were corrected of various parameters (e.g. system calibration factors and sensor offsets, attitude corrections, sound velocity or tide values for the reduction of soundings).” Same as above. I have corrected the text. It is now : *The measured depths were corrected for various parameters, including system calibration factors, sensor offsets, attitude corrections, sound velocity, and tide values in order to reduce the soundings.*

- Line 124: “700 km²” km² I have corrected the text.

- Line 295: “where P_m, the bottom pressure measurement...” change to “where P_m stands for the bottom pressure measurement” I have corrected the text.

- I think a map with the buoys’ locations (on top of a bathymetric map) would be useful, but not necessary. Figure 3 shows the buoys’ locations.

- Line 328: “The power spectral density of vertical displacements are is used for estimating the main bulk parameters (see Appendix B)...” I have corrected the text.

- Line 365: “the figure 6” change to “Figure 6” I have corrected the text.

- Line 368: for Figure 6, currently, this is a visual approach which you explain in the text, but you could also provide some statistical estimates, such as a correlation coefficient. I have added some statistical estimates in the text.

- Line 371: “Thus, despite the fact that the period of measurements did not encompass any flood event, the wave setup, found negligible at high tide, is unlikely to be a dominant process responsible for flooding, which precisely occurs at high tide with high tidal coefficients” I find this sentence long and confusing, please simplify. I have corrected the text. It is now : *Even though the measurement period did not include any flood events, the wave setup (which was found to be negligible at high tide) is unlikely to be the main cause of flooding. Flooding typically occurs at high tide when tidal coefficients are high.*

- Line 412: “This modelling system allow” to “allows” I have corrected the text.

- Line 416: You have not yet introduced the significant wave height. Although you explain everything in the appendix, I suggest you write “The significant wave height H_{m0}...” I have corrected the text.

- Line 520, do not start a sentence with the parameter symbol. Say for example: “The parameter H_{m0} is also given ...”. I have corrected the text.

- Line 559: "... For offshore sensors, the only way is to looked at the data before or after being moored."
Correct this as: "... to look at the data" or "to examine the data". I have corrected the text.

References

IHO, 2017. IHO Standards for Hydrographic Surveys (Edition 5, 2008). Technical Report. IHO. URL:
https://iho.int/uploads/user/pubs/standards/s-44/S-44_5E.pdf.