

Response to reviewer Camille Grimaldi

We sincerely thank both reviewer for their work. This last document will address the last minor comments made by Camille Grimaldi.

“Thank you to the authors for clarifying that this manuscript was submitted to ESSD as a Data Description article. I recognize that some of my comments were more aligned with expectations for a standard scientific research article. I appreciate the thorough responses to my feedback and the care taken in addressing the comments.

I only have a couple of additional comments (line number in the tracked changes version)”

L113: what do you mean by approximate, is that mean spring, neap or overall mean? Modify 0,93 to 0.93

Answer: The approximate tidal range given corresponds to the approximation of the Highest Astronomical Tide using the following formulation: $\text{Tidal Range} \sim 2 * (M2+S2+K1+O1)$. 0,93 has been modified to 0.93.

L184: ADCP already defined above?

Answer: Thanks for this comment. We just used the acronym and remove Acoustic Doppler Current Profiler.

L476-78: Can you add what climatological period was used here (1993-2022)? Authors might want to reference “Hobday, A. et al. Categorizing and naming marine heatwaves. Oceanography 31 (2018)”.

Answer: The climatological period used here was 1993-2022. It is now added in the manuscript. We thank C. Grimaldi to have noticed that the Hobday reference was not the most appropriate. As the 2016 reference from Hobday et al. is already present in the manuscript, we just added the 2018 reference into brackets and also in the reference section.

L524: Extra space before parenthesis.

Answer: We removed this extra space. Thanks.

L587: Could you add what is local time (UTC+?) or equivalent?

Answer: We added UTC-10 into brackets.