

ID	Editor's comment	Authors' response
EC#1	<p>I think that you should include in the revised manuscript at least a summary of your response to referee comments RC2#1 and RC2#2. Readers of a final paper may have the same questions and it is much better to have the answers in the paper than for the reader to have to hunt in the comments for an answer.</p>	<p>Thank you for your precious suggestion.</p> <p>The summary of the RC2#1 and one reference have been elaborated in the revised manuscript in lines 178-182</p> <p>The summary of the RC2#2 has been elaborated in the revised manuscript in lines 197-199</p>
EC#2	<p>In some places you mention “non-linear interaction” but I am not sure that is the best description. For example, lines 437-438 “non-linear interaction, i.e., oceanic intrinsic variability (OIV)” I think “oceanic intrinsic variability (OIV)” would suffice. If you do refer to non-linear interaction, you should name at least two processes that are interacting.</p>	<p>The lines have been removed from the revised version of the manuscript due to repetition in other lines (refer to EC#6)</p>
EC#3	<p>Lines 224-225. This sentence is not clear to me. I understand the sentence in lines 231-232 but in line 225 “this behaviour in PSD spectrum” is too vague: what behaviour in the spectrum of which (estimate of) velocity? One would expect coarse resolution to result in very little high-frequency power, i.e. a steep slope at high-frequency bands.</p>	<p>In the revised manuscript, the authors have provided additional clarification and one new reference regarding the sub-tidal range observed in the PSD spectrum of wind speed, as detailed on lines 217-220.</p> <p>Furthermore, an explanation and two new references have been provided regarding the discrepancy between the PSD spectra of wind speed and current velocity, which</p>

		can be found on lines 237-242.
EC#4	Line 253. “we investigate the multiannual variability of SSC” but figure 5 is a ten-year average and shows only spatial variability, nor is there any description in the text.	The text has been modified toward Editor’s comment (lines 268-269 in the revised manuscript)
EC#5	Line 399. “in cross direction” is unclear until you state “cross-coastal” or “cross-shelf” or something similar.	The text has been modified toward Editor’s comment (lines 412-413 in the revised manuscript)
EC#6	Lines 437-438 and 445-446. Some repetition here.	The lines 437-438 in older version of the manuscript have been removed from the revised version.