

We are thankful to the reviewers and the editor for the comments. We have corrected the manuscript accordingly and rearranged the text.
The replies to the comments can be found below.

Reply to the review from editor:

Additional private note (visible to authors and reviewers only):

Dear authors,

the revised version of your manuscript appears significantly improved and it is almost ready for publication. Nonetheless, before proceeding I follow the reviewers' remarks suggesting to have a final round of minor and technical adjustments to phrasing and consistency. For instance, Rev. #1 points out that "...at several places, the additional text is not included consistently with the rest of the manuscript. In particular, in the new paragraph between lines 86-92, the variable X is not yet defined. This paragraph should be better merged with the following lines (93-96).

We have rearranged the text accordingly. The paragraph between lines 86-92 is transferred after equation 2.

In section 2.3, the paragraph between lines 186-191 is not at the appropriate place. It should be moved or re-organized together with lines 192-202."

We have removed the phrase: "In addition, our results show that in some swell-dominated places, the correlation is also good for the Tz." Without it the text becomes more logical.

furthermore, they provide

"other minor suggestions:

line 121: suggestion: "the matching maximum time interval is fixed as 45 minutes and the maximum spatial distance as 40 km."

line 124: I guess there is an error in this sentence; Should be, I presume : "distance to the coasts less than 1 km were excluded".

line 151: delete "real"

line 160: "using equation (1)"

line 165: "Equation (2) is derived"

It was corrected

lines 179-180: is this sentence really useful? Several authors of the manuscript are member of Centec.

The sentence was deleted.

in the caption of Table 1 and of Figure 4, the acronym CMENS is not defined (nor in the text)"

The acronym was deleted, it is more correct. In fact the data from different kinds of wave buoys were used.

Reply to Report #1

1. *CryoSat-2* vs. *Cryosat-2* – Use *CryoSat-2* consistently throughout the manuscript.
2. *Sentinel-3AB* vs. *Sentinel-3 A/B* vs. *Sentinel-3A/B* – Choose a single notation and use it consistently (most journals use *Sentinel-3A/B*).
3. *Mediterranean sea* vs. *Mediterranean Sea* – Use *Mediterranean Sea* throughout.
4. *French Facade* vs. *French Façade* – Use one spelling consistently (preferably French *Façade*, if the accented form is intended).
5. Page 11: *Canaries Islands* – This should be corrected to *Canary Islands*.

Thank you for the comments, the text was corrected according to all the points.