

Interactive comment on “Accuracy of altimeter data in inner and coastal seas” by Luigi Cavaleri et al.

Luigi Cavaleri et al.

luigi.cavaleri@ismar.cnr.it

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Reply to comments by Dr Portilla

Thank you for raising relevant points and suggesting possible improvements. About your various points: 1 - The reference is now cited 2 - Of course triple collocation is a valuable technique. However, it is not applicable in the present case. We look for statistical fits, i.e the average relationship between one altimeter and the corresponding model data, without arguing which is right or wrong. The occasional superposition, in space and time, of two altimeters, plus of course the model datum, would provide only a very limited number of data to work with, hence without significant conclusions. On the contrary, taking (right or wrong) the model as reference, we indirectly compare the

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different altimeter among them.

Specific comments 1 - done 2 - This was a compromise between size and available information. Also after asking to several colleagues, we chose this solution because the key information, i.e. the best-fit slope, is clearly visible and, of course, reported in Table 1. 3 - You are right of course. The problem is more manifest on paper. We have used this set-up because it is the standard output of the wave forecast system the figure is a picture of. We have sorted out the problem, for whatever possible, changing the caption of the figure, putting there all the necessary explanations. 4 - done 5 - done 6 - done 7 - done 8 - see our reply to your second comment above 9 - done 10 - done 11 - done

Thanks for your valuable comments. Best regards,
the authors

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