

Interactive comment on “The concept of credible duration for the Regional Frequency Analysis including historical data: application of the FAB method to a skew storm surge database” by Roberto Frau et al.

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Dear Referee #2, We would like to thank you for the time you dedicated to our paper. We agree with a lot of your comments and we are sure that your help is adding a lot of value to our work, in particular, in the way in which the new approach is now presented. Thank you for acknowledge that the idea to improve the RFA including historical data point and non-systematic data have some interest. Moreover, we agree on the fact that at this stage the manuscript needs some rewritings and clarifications. The fact that the idea of credible duration is acknowledged to be rather simple, but that it took to the

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Referee #2 quite a long of time to grasp it from explanation given in section 2 (As for the "systematic skew storm surges" "historical data" meaning and definition) is a brilliant example of the fact that the presentation and definitions needs to be clarified. With this in mind, we largely rewrote the manuscript. We thanks the Referee #2 for pointing this out and this is what we did in the new version of the manuscript. Please find attached our point to point answer to your comments followed by the revised version of the paper.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-385/nhess-2017-385-AC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-385>, 2017.

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