

Dear Referee #2,

Thank you for reviewing our paper. The manuscript will be, therefore, modified to consider your comments. In the following, a point-by-point response to your comments will be presented.

Detailed comments:

Page/line	Comment	Response
p 3/4, l 90-115	The notation could be made more consistent. Sometimes, the sites are denoted by subscripts "1" and "2" (e.g., eq. 1 and preceding text), and sometimes as "X" and "Y" (eq. 2 and parts of following text).	It is corrected
p 3/4, l 90-115	Same para I miss the notion of 'simultaneity'. If you consider the probability that $P[X < q_1 \& Y < q_2]$ (eq. 1), then you have to say something about the time difference between the events at the two sites that you allow for to consider them as 'same'.	The word 'simultaneity' is suppressed. We add instead: "... extreme events generated by the same storm that occurred at sites S1 and S2. It was considered that two observations were generated by the same storm if the time difference between their two moments of occurrence was less, in absolute value, than 6 hours (other durations were tested, 12h and 24h but the results were similar). "
p 5, l 166	Is this the definition of φ ? Then the sentence should not start with It was shown that $\varphi =$. That beginning of a sentence implies that ' has been introduced before, and that it is now stated that it can be expressed as $\lambda_r = \lambda$. But I cannot find a definition of φ anywhere else. Furthermore, the symbol φ is not used anywhere else in the paper. So what is the use of defining it?	It is corrected. φ comes from Weiss et al. (2014b). We have added this precision.
p 5, l 209/210	This definition of SSS is usually called the skew surge.	We used the same notation than the following publication in NHESS "Modelling dependence and coincidence of storm surges and high tide:

		<p>Methodology and simplified case study in Le Havre (France) " (Amine Ben Daoued et al., 2019, NHESS) which uses both SS and SSS notations. There are 3 words (Skew Storm Surge), so we found it appropriate to use 3 letters. This acronym is already used in another NHESS publication but if it is really annoying, we can change it.</p>
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