

## ***Interactive comment on “Technical Note: Multiple wavelet coherence for untangling scale-specific and localized multivariate relationships in geosciences” by W. Hu and B. C. Si***

**Anonymous Referee #1**

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The manuscript of Multiple wavelet coherence by Hu and Si presented an important topic. In characterizing scale specific variations, wavelet coherence has been used in many field but was restricted to only two variables. Presentation of wavelet coherence produces a step forward on the methodological development aspect. The method will support a lot of different fields including soil science and hydrology. The scientific content is suitable for the journal and the readers of this journal will be interested in this topic. Therefore, my suggestion is for acceptance of the manuscript with some minor corrections such as English, which could be improved. Another thing, authors used the artificial series to compare with other multi-variate analysis. Just wondering, how will you confirm about you claimed superior information of the new method compare

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to other methods. I mean to say, how will you say that this variations, what is shown by other methods are also showing the right information. The variations showing here could be spurious as identified by different methods.

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