

***Interactive comment on “Delineation of shallow channel geometry and infill lithology using Spectral decomposition and seismic attributes: A case study from the North Sea Basin, Netherlands” by Kenneth Samuel Okiongbo and Righteous Ombu***

**Anonymous Referee #1**

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I myself think the contents of this manuscript are interesting. However, I am afraid new points in this manuscript are unclear because the methodologies the authors used are the conventional FFT and the wavelet transform analyses, and the used dataset is not the original one. Even if the authors' interpretations of the data are new, I wonder if such the contents are appropriate for the scope of Nonlinear Processes in Geophysics. The authors insisted in Abstract and Introduction that less attentions have not been

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paid on shallow sediments, but I don't agree with this. Many geophysicists must have studied the shallow sediments based on seismic data, although petroleum companies have not been interested in them.

So that, the authors should, first of all, make much more clearly what is new in their study. If this is done, I think this manuscript is worthy of publication in Nonlinear Processes in Geophysics.

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