

*Escobar, I. 2007.*

An alternative for seismic acquisition footprint filtering.

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ABSTRACT

As an alternative for the removal of seismic acquisition footprint noise, a threshold filter using Discrete Wavelet Transform was applied to both 3D and 4D difference datasets from the North Sea. A very simple wavelet family was used, yet the results were quite satisfactory. A good separation of the noise was achieved which was verified by the lack of organized signal in the residuals other than the acquisition footprint and random noise. These are still preliminary results and there is plenty of scope, not only for improvement, but also for applications to different problems.