Geosci. Instrum. Method. Data Syst. Discuss.,
https://doi.org/10.5194/gi-2018-51-RC2, 2019


Geoscientific Instrumentation Methods and Data Systems Discussions

# *Interactive comment on* "Development of a distributed hybrid seismic-electrical data acquisition system based on NB-IoT technology" *by* Wenhao Li et al.

**Anonymous Referee #2**

Received and published: 20 May 2019

The manuscript describes the technical realization of a distributed data acquisition system that combines both seismic and electrical methods of geophysical exploration. What's more, NB-IoT technology is applied to the developed instrument, and the idea is amazing. Examples of new technologies being applied to geophysical instruments are rare, so the study should be encouraged and supported. I think the findings of this study are very suitable for the GI journal for Geoscientific Instrumentation. I am looking forward to the final publication of the paper.

I have read the manuscript carefully and attached a few comments. 1. In the "5.1 Input noise and dynamic range tests", it's unnecessary to explain the definition of dynamic



range because it is basic knowledge. 2. Figure 11 and Figure 12 are similar, and they are both the test results of channel crosstalk. Figure 11 has shown that the crosstalk signal power is much smaller than the signal's power, and it's better to verify the test result using FFT calculations with a larger number of points, but putting Figure 12 in the paper is redundant and repetitive. 3. The manuscript is written in an adequate style, and a final checking for any missed spelling or grammar errors may be necessary.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., https://doi.org/10.5194/gi-2018-51, 2019.