

Interactive comment on “Development of a new distributed hybrid seismic-electrical data acquisition station based on system–on-a-programmable-chip technology” by Qisheng Zhang et al.

Qisheng Zhang et al.

li.wh@cugb.edu.cn

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(1) Higher synchronization accuracy and lower noise levels are our constant goals. And in new acquisition stations, we have used the new GPS technology to improve the synchronization accuracy and developed new analog circuits to reduce noise levels. These new results will be shown in our next papers. Thank you for your suggestions. (2) You are quite right and I will use a graph to show the equations (1)-(2). (3) I will redraw these figures to make them clear and add parameter name and scale for each figure to make them formal for publication. (4) Thank you for your revision manuscript

C1

attached and I will carefully revise text and English of the manuscript. (5) Thank you again for your valuable suggestions and comments and I will revise the manuscript according to your suggestions.

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https://doi.org/10.5194/gi-2019-12, 2019.

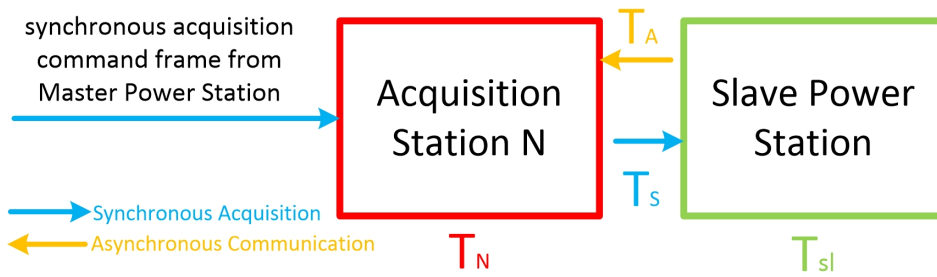


Fig. 1. Schematic diagram of the delay time of the Nth acquisition station

C3

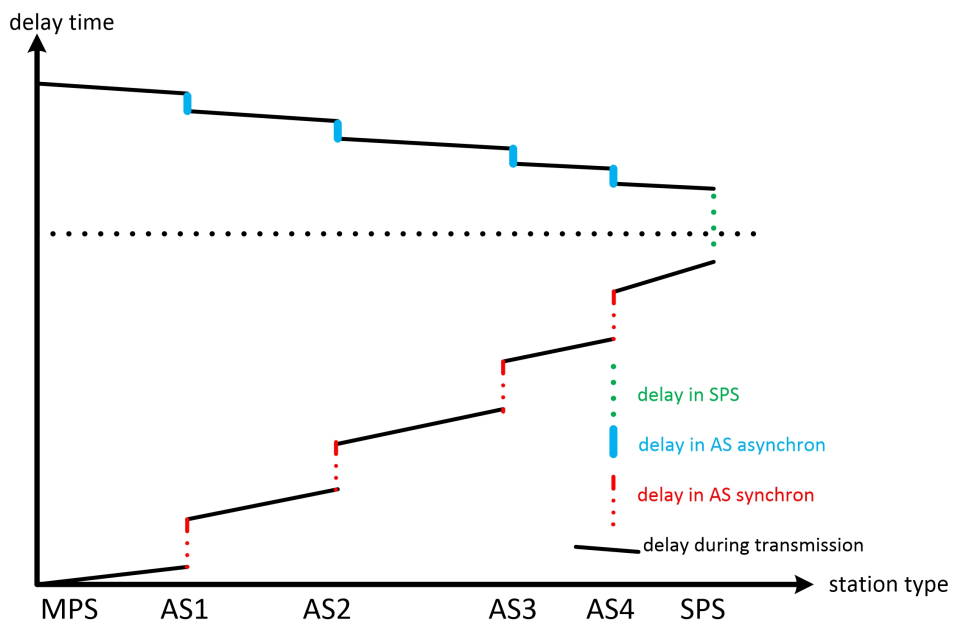


Fig. 2. Schematic of the round-trip transmission delay in data frames between two power stations (MPS, Master Power Station; AS, Acquisition Station; SPS, Slave Power Station)

C4

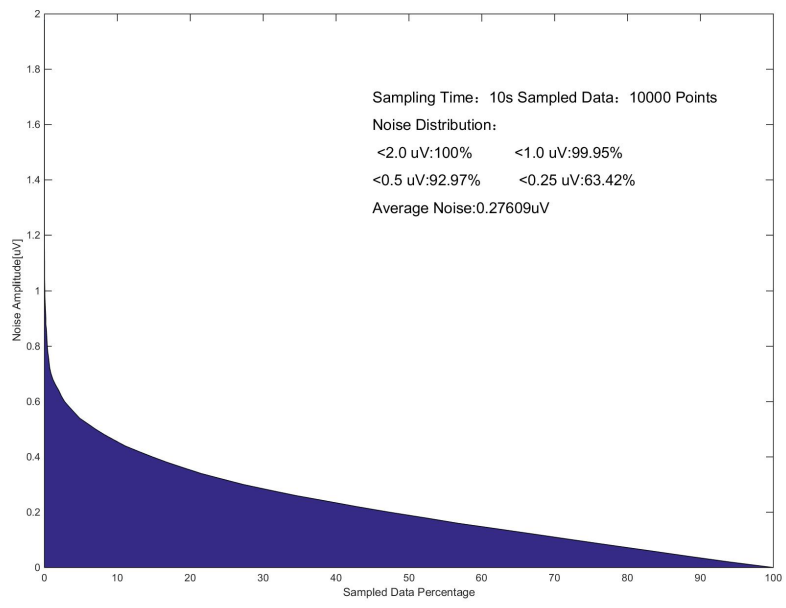


Fig. 3. Distribution of the EIN of a data acquisition station