Geoscientific
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Methods and
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Discussions

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Interactive comment

Interactive comment on "A coincidence detection system based on real-time software" *by* Sindulfo Ayuso et al.

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Thank you very much for your comments.

We agree. This item is not clearly explained through the MS.

Our SAS prototype has cost less than 150 €İt replaces, at least, three NIM modules when working in software coincidence detection: two SCAs and a coincidence detector module (see attached Fig.1). Moreover, it stores and transfers data to a PC, replacing another specific NIM interface module.

The cost of these four NIM modules is well above 6000 € (40 times the SAS cost).

(Please, see the attached supplement).

Author's changes in manuscript:

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[Discussion paper]

In order to clarify this item and according to the referee advice, the following changes have been made in the original manuscript:

1. The second paragraph in section 5 (lines 5 to 11, page 12) has been replaced with two new paragraphs.

2. The last paragraph in section 5 (lines 3 to 5 in page 13) has been removed.

3. A sentence has been added in figure 11 caption.

4. Three modules have been coloured in figure 11.

These changes will be included in final manuscript version.

The final aspect of section 5 and Figure 11, clarifying this topic, can be seen in attached supplement (in blue colour the text changes).

Please also note the supplement to this comment:
http://www.geosci-instrum-method-data-syst-discuss.net/gi-2016-15/gi-2016-15-AC1-supplement.pdf

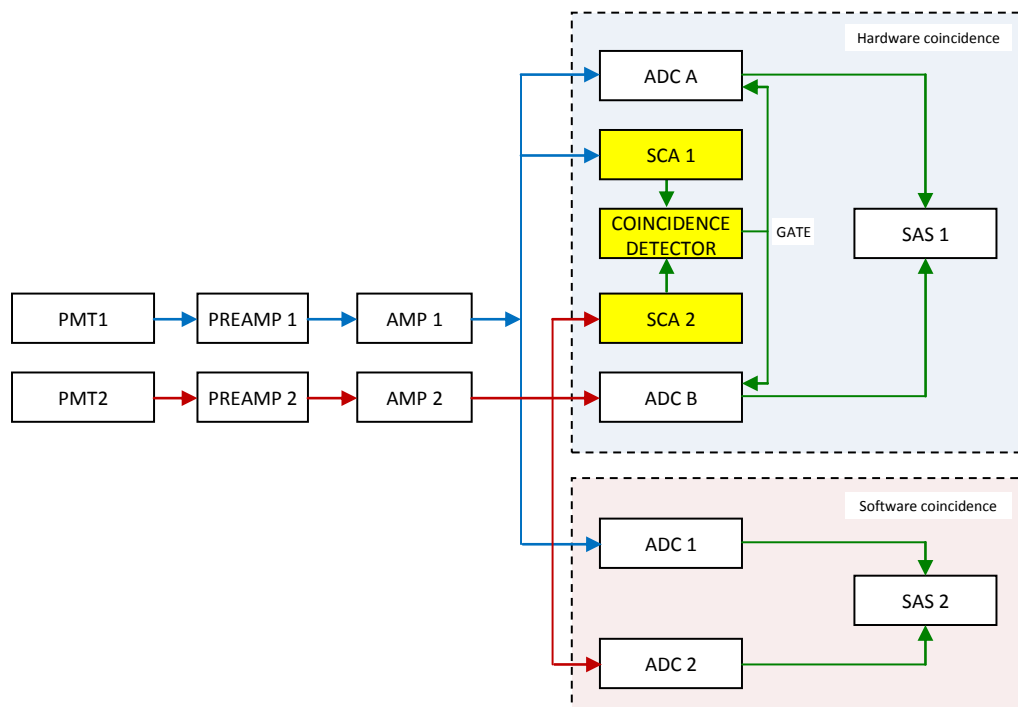Printer-friendly version

Discussion paper

Fig. 1. Schematic setup for hardware coincidence and software coincidence results comparison. We can see in yellow colour the unnecessary modules when SAS is working in software coincidence.

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