

## ***Interactive comment on “Automatic parameterization for magnetometer zero offset determination” by M. A. Pudney et al.***

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Received and published: 21 June 2012

In my opinion the authors have successfully improved the method for computing the combined residual magnetic field, which is generated by spacecraft stray fields and magnetometer zero offset. The method was proposed by Leinweber et al. 2008 and uses Alfvénic rotations of the magnetic field vector in the solar wind. M.A. Prudney et al. propose the adaptive algorithm, which allows to separate the pieces of data with the high content of Alfvénic rotations from those with a considerable variations of the total magnetic field. As a result, a more reliable estimation of a residual field is achieved.

I recommend the publication of the paper.

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Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 2, 245, 2012.

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