

# ***Interactive comment on “Continuous wavelet transform and the Euler deconvolution method and their application to magnetic field data of Jharia coal field, India” by Arvind Singh and Upendra Kumar Singh***

**S. K. Prajapati (Referee)**

go2sanjay\_p@yahoo.com

Received and published: 12 November 2016

I have read the paper. In present work author has used Continuous Wavelet Transform (CWT) and Euler deconvolution methods to estimate the source depth using magnetic anomalies of Jharia coal field. The resulting observations will be of interest and importance to the geophysical community and will be well received upon publication. That said, there are aspects of the discussion and interpretation that are either presented in a manner that is not clear to me, would benefit from an additional graphic, or warrant perhaps some citation of others work touching on the same problems and type

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of data. More specifically, the manuscript will benefit if the more clarity can be lent to what exactly is meant by 'causative source' and many more word which i marked in pdf manuscript. Several Comments below as well in annotated manuscript which arose while reading through the paper point to the specifics of these concerns and when addressed I think will make for a clearer presentation.

Introductory sections are too general and uncompleted which need to be rewrite. Too many topics and specific details (i.e. uncertainties) are introduced but not elaborated (see the commented manuscript) Geological map and magnetic anomaly map should be in same scale to identify the tectonic structure reflected in total intensity map. I could not see the joint inversion of gravity and magnetic. Many sentence is not clear and vague.

Please also note the supplement to this comment:

<http://www.geosci-instrum-method-data-syst-discuss.net/gi-2016-22/gi-2016-22-RC3-supplement.pdf>

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Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., doi:10.5194/gi-2016-22, 2016.

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