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Interactive comment on “Validation of the k -filtering technique for a signal composed of random phase plane waves and non-random coherent structures” by O. W. Roberts et al.

Anonymous Referee #3

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The topic of this manuscript is very interesting for the scientific community related to wave-like and structure-like fluctuations of astrophysical magnetic fields. Authors study these fluctuations with multiple spacecraft missions (the k -filtering technique) by assuming weak stationarity of the time series and fluctuations described by a superposition of plane waves with random phase, and they obtain positive results for a synthetic signal composed of a combination of non-random phase coherent structures and plane waves with random phase.

The results of this paper are well explained and sufficiently supported, For these rea-

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sons I recommend the publication of this manuscript.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 4, 435, 2014.

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