



## ***Interactive comment on “Complex environmental beta-plane turbulence: laboratory experiments with altimetric imaging velocimetry” by A. M. Matulka et al.***

### **Anonymous Referee #1**

Received and published: 7 December 2015

The paper contains interesting and useful results from two experiments reproducing stratified flows: one with heat forcing and one with concentration forcing. Spectra are discussed and spectral law evidenced.

The second experiment using a fresh water source could be better introduced in section 2. It is not clear if a steady state is sought for or if the whole experiment is transient.

page 1511 - para 25 imager should be image ?

page 1514 - para 10 There is a typo in Rayleigh

page 1518 - para 10 ‘The values of KR are marked ...’ I think what is meant is ‘The

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location of KR' ?

In Figure 5 it could be useful to indicate Kf

page 1520 - para 20

'..., the instability as a source of ...' there seems to be a verb missing in the sentence.

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Interactive comment on Nonlin. Processes Geophys. Discuss., 2, 1507, 2015.

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