

# ***Interactive comment on* “Tagging moisture sources with Lagrangian and inertial tracers: Application to intense atmospheric river events” by Vicente Pérez-Muñuzuri et al.**

## **Anonymous Referee #2**

Received and published: 19 March 2018

The paper presents two Lagrangian methods used to study atmospheric river events. In general the paper is written in poor language and grammar, it lacks explanations and validations. The conclusions are not demonstrated clearly in the text.

Specifically, the paper lacks references in the introduction and comparison to similar studies. The paper needs to be rewritten to improve the language and correct grammar, the text should include references to the figures included in the text and the figure captions should be expanded to describe the figures in more detail.

In Section 2 the assumptions used for the variables in the equations should be explained in relation to the context of the paper. Figure 7 and 10 should include legends,

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all figures should have titles, and the figure caption for Figure 11 and similar figures should be expanded. In addition, calculations of the percentages presented in the conclusion should be described and shown in the results section along with validation the results.

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Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2018-8>, 2018.

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