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Discussions

Interactive comment on "Similarity analysis of turbulent transport and dissipation for momentum, temperature, moisture, and CO$_2$ during BLLAST" *by* João A. Hackerott et al.

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It is a nice and important exercise to check a turbulence data set to determine whether similarity laws of the atmospheric turbulence are fulfilled. This was done by the authors for a data set of the BLLAST experiment. Unfortunately, the theory is not new and is not only the subject of recent textbooks, but even of old ones from the 1960s and 1970s. The presented results are within the usual error bars of the published similarity laws. I am sorry, but I see no necessity to publish results that are not new and that are already well known. I have not seen any special link to the scientific idea of BLLAST, e.g. the modification of similarity relationships in the late afternoon transition with the changing sign of the sensible heat flux and a possible oasis effect. If there is a new

methodological approach that I have overlooked, I propose that this be published in a paper describing the methodology (note). Because I see no possibility for the paper to be published, I am refraining from identifying other problems of the submitted paper.

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2015-1061, 2016.