

Interactive comment on “Rapid and sudden advection of warm and dry air in the Mediterranean basin” by J. Mazon et al.

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Title: Rapid and sudden advection of warm and dry air in the Mediterranean basin
Article Type: Research Article

General Comments: This paper analyzes rapid advection of extremely warm and dry air during two events in the Mediterranean basin, using data from automatic weather stations in the Barcelona and Heraklion area and WRF mesoscale numerical simulations.

The structure of the paper is good enough and the goal of this paper is well understood. The findings of the analysis are useful for better understanding of the abnormal increase of air temperature in local basis.

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Minor revision is needed in order the manuscript merits publication in NHESS, mainly concerning further clarification of the findings and enrichment of recent relevant references.

Specific comments:

All the suggested comments and remarks are within the attached manuscript (pdf) and can be appeared using the “show comment list” in the Adobe Acrobat Professional program.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/1/C1286/2013/nhessd-1-C1286-2013-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 3735, 2013.