

Interactive
Comment

Interactive comment on “African dust outbreaks over the Mediterranean Basin during 2001–2011: PM₁₀ concentrations, phenomenology and trends, and its relation with synoptic and mesoscale meteorology” by J. Pey et al.

J. Pey et al.

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We are actually grateful for the comments provided by Dr. Basart. We are in agreement with the suggestions given by the reviewer. Concerning the first comment, we will include the most relevant references in our discussion to support our findings in an extended context. Regarding the comment on the higher mineral dust contributions in the most eastern sites included in our study, we are also in accordance with the reviewer. Actually, we didn't consider in our discussion the possible contribution of those dust areas located in Middle Eastern deserts. On the other hand, the methodology

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we used for the identification of such dust outbreaks considered the possible contribution of Middle Eastern areas since aerosol maps and satellite images were interpreted. Thus, where necessary, we will readapt the discussion accordingly.

Once again, thank you the positive feedback and constructive comments

Jorge Pey

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 28195, 2012.

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