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Comment

# ***Interactive comment on “Positive feedback of dust aerosol via its impact on atmospheric stability during dust storms in the Eastern Mediterranean” by S. Remy et al.***

## **Anonymous Referee #1**

Received and published: 26 January 2015

Title and throughout the paper : ‘dust’ and ‘aerosol’ are redundant terms. Dust is an aerosol, I propose that the authors use either dust, either mineral aerosol throughout the text.

Some parts of the paper are very well written some other have been written hastily and deserve more work. This is the case with the second paragraph of section 5 that needs to be improved. (lines 7 to 24, page 28164).

In the following sentence p 28153: “The Baseline Surface Radiation Network (BSRN) (Heimo et al., 1993) maintains two stations in the area of interest: Tamanrasset (Mi-

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mouni, 2013 in Southern Algeria and Sede Boqer in Israel, Lyubansky, 2012).”, you need to fix the parenthesis as follows : “The Baseline Surface Radiation Network (BSRN) (Heimo et al., 1993) maintains two stations in the area of interest: Tamanrasset (Mimouni, 2013) in Southern Algeria and Sede Boqer in Israel, (Lyubansky, 2012).”

Figure 3 caption : The VIS image from MODIS/Aqua is said to be at the bottom of the Figure whereas it is at the top, please correct it.

In terms of describing all the simulations that you made in the text of the manuscript it would be more efficient and easier for the reader to present a Table with these simulations.

Page 28161, line 18: change ‘systemically’ to ‘systematically’

Caption of Figure 9: You indicate AOD or REF minus LW for the top of the Figure. I believe you do not show any AOD on Fig. 9. Please correct the caption.

Page 28171, line 13: change “It is highly probably...” to “It is highly probable...”

Title of Tables 2 & 3: take out ‘left’ and ‘right’ from these titles.

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Interactive comment on Atmos. Chem. Phys. Discuss., 14, 28147, 2014.

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