

Interactive comment on “Aerosol physical and optical properties in the Eastern Mediterranean Basin, Crete, from Aerosol Robotic Network Data” by A. Fotiadi et al.

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I. General Comments

The results have been re-organized and presented in a different way in order to help the reader to follow them more easily. In particular, the discussion part of the paper (section 3), but also the summary and conclusions (section 4) have been restructured and significantly shortened by avoiding repetitions in the previous version of the manuscript (ACPD).

II. Specific Comments

1. The Abstract was re-written avoiding quotation of many numerical results. Refer-

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ences to plots do not exist any more. Moreover, the style has changed to give emphasis to the major findings related to the seasonal variability of AOT in relation to the aerosol sources and size distribution, and to the variability of the Angström exponent.

2. Page 7792, line 25 (old version): the sentence referring to correlation between AOT and wind direction was re-phrased (see page 1, lines 15-17).

3. The results and discussion section was restructured and grouped under the following headings; 3.1) Seasonal variability of aerosol optical properties, 3.2) Frequency distributions of aerosol optical thickness and Angström parameter, 3.3) Aerosol optical thickness, Angström parameter and wind direction and 3.4) Aerosol size distribution.

4. Figure 3 (old version) has been omitted, as suggested by the Referee, since the error bars (standard deviations) in Figure 2 also give the same information on the day-to-day variability.

5. The data of Table 1 (old version) are now given in a plot (new Figure 3).

III. Minor Comments

a) Figure 4 of old version is now omitted. Nevertheless, a thorough check was performed, and the labels of all Figures are now in English. b) The size of labels in Figure 4 (Figure 5 in old version) was increased. c) The caption of Figure 8 (Figure 6 in present version) was correct. The label in Figure 8a (new Fig. 6a) was named AOT500 instead of AOT340, by a mistake. Now it is named AOT340 in accordance with the Figure caption.

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