

## ***Interactive comment on “Bias caused by water adsorption in hourly PM measurements” by Gyula Kiss et al.***

**Gyula Kiss et al.**

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We thank the referee for his/her careful and critical review of our paper. The following are our responses to the referee's comments.

Comments from Referee:

1. Lines 59-61: A literature reference would be welcome for the statement in this sentence.

Author's response: References have been added to this sentence.

Author's changes in manuscript Original version: This may be one reason why in some countries hourly air quality indices are derived by the combination of hourly trace gas concentrations and daily PM values. Revised version: This may be one reason why

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in some countries hourly air quality indices are derived by the combination of hourly or 8-hourly trace gas concentrations and daily PM values (IRCELINE, DEFRA, MEP, AIRKOREA)

2. Line 141 and further within the manuscript: The term "filter mass" is confusing; it clearly does not denote the total filter mass, but some type of "apparent net" mass.

Author's response: We agree with the Referee the term "filter mass" has been changed to "apparent net mass" throughout the manuscript where appropriate.

3. Technical and other (mostly minor) corrections.

Author's response: The authors are grateful to the Referee for the correction of grammatical errors and typos. All the corrections have been made in the text.

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-20, 2017.

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