Interactive comment on “The Measuring Ammonia in Nature (MAN) network in the Netherlands” by D. E. Lolkema et al.

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We thank also this referee for his positive comments. On his remarks and suggestions:

1 & 2) We correct the spelling & grammar and references remarks.

3) We’d like to make the following changes to this alinea to make it more clear:

Calibration parameter a seems to present a yearly periodicity. To check this, we performed a Fourier analysis for both calibration parameters a and b. With this analysis, prevailing frequencies in the data, if existing, become apparent. Indeed, the yearly periodicity (10^0 years = 1 year) in calibration parameter a becomes clear, as can been seen in figure 5, top right panel. For calibration parameter b this periodicity is far less present. This same periodicity is slightly present in the standard deviation of the triplicates employed in the MAN. The ambient temperature is a likely candidate to cause this periodicity for it influences the diffusion process. Analysis of the monthly averaged temperature for De Bilt, The Netherlands gives a linear correlation coefficient of 0.53. With 71 data pairs used, this is highly significant.

4) The phrase “by absence of local sources, follow the same pattern” is deliberately repeated for the line of reasoning.

5) We’d like to add the unit and the 1-to-1 lines to make the figure more clear.

6 & 7) We agree with these suggestions.

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