The authors thank Referee #1 for highlighting the originality of the present article.

The reporting of response factors is indeed essential for ACSM measurements.

In this respect, a dedicated table and a small paragraph will be added in the revised manuscript:

"Throughout the measuring period, three Response Factor (RF) calibrations and one $(NH_4)_2SO_4$ calibrations were performed, summarized in Table 1. The low drift of the obtained slopes allowed the use of an average response factor of 2.72.10⁻¹¹ (with an standard deviation of $\pm 13\%$),"

Date Response Factor RIE_{NH4} RIE_{SO4} 2.31 10-11 16/11/2011 6 -2.98 10-11 4.8 09/10/2012 _ 2.84 10-11 15/05/2013 6.84 1.25 2.72 10-11 Average 5.88 -13% **Standard deviation** 17% -

Table 1. Response factors obtained through IE calibrations from June 2011 to May 2013