

Interactive comment on “First eddy covariance flux measurements of gaseous elemental mercury (Hg⁰) over a grassland” by Stefan Osterwalder et al.

Anonymous Referee #1

Received and published: 17 September 2019

The paper “First eddy covariance flux measurement of gaseous elemental mercury over a grassland” should be accepted for publication in AMT.

I have only a few comments.

The paper title should be modified to be something like An improved method for eddy The word first should be deleted.

Line 9 change “crucial to improve” to “important to for understanding”.

Line 16 remove “the first successful”

Line 21 and 22 which should be that. . . please fix this throughout your document.

C1

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Line 27 should start as “This system has the potential”

Line 33 about is not very scientific change to approximately or ~

The authors should mention the fact that Hg(II) dry deposition is important to consider and the limitations associated with only measuring GOM.

Line 51 Get rid of “The”.

Line 94 a semicolon should be after h-1

Line 98 level should be replaced by concentration

Line 120 a comma is needed after harvest

Line 126 get rid of and was

Line 159 are should be were

Line 258 which is a further should be that is an improvement Line 262 get rid of however

Page 10 has a number of which that should be that

Line 367 comma needed after directions

Line 467 comma before but

Line 472 this sentence is really awkward I suggest you delete it

Line 502 would be better if it was “This study demonstrated an application of”

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-278, 2019.

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