GID

Interactive
comment

Interactive comment on "Continuous observation of Stable Isotopes of Water Vapor in Atmosphere Using High-Resolution FTIR" *by* Chang-Gong Shan et al.

Chang-Gong Shan et al.

cgshan@aiofm.ac.cn

Received and published: 21 February 2019

Response to comments #1 We appreciate your constructive and positive comments. The comments and proposed corrections have been taken into account and helped to improve the paper. Each comment has been addressed as follows. There is an extensive discussion among the authors regarding how to revise the content.

-Reviewer 1 This work made a valuable analysis from the data of the ratio of HDO to H2O (δD) measured by FTIR in Hefei, China. The dataset was well applied to validate the GOSAT satellite data product of δD. This work enriches the knowledge of water cycle to the public. Two specific comments are as follows:

[Printer-friendly version]

[Discussion paper]

(1) The English needs to be improved, particularly for the text of conclusion section. Response: We improved the English of the manuscript, particularly in the text of conclusion. Please see the supplement written in red.

(2) Listed reference papers are suggested to be cut down to some extent. Response: We cut down some unimportant reference paper.

Some minor corrections are also needed to be made for misspelling words. (1) L151-152, "satellite date" should be "satellite data"; Response: We changed the "satellite date" to "satellite data". Please see the Lines 149-152, written in red.

(2) L118,L119: "kernals" should be "kernels"; Response: We changed the "kernals" to "kernels". Please see the Lines 117-119, written in red.

(3) In Eq. (2), the same size should be kept for the same type of signs. Response: We kept the same size for the same signs in Eq. (2). Please see the Lines 110-111, written in red.

Please also note the supplement to this comment:
https://www.geosci-instrum-method-data-syst-discuss.net/gi-2018-43/gi-2018-43-AC1-supplement.pdf

———————————————————

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., https://doi.org/10.5194/gi-2018-43, 2018.