

Interactive
Comment

Interactive comment on “Relationships between photosynthesis and formaldehyde as a probe of isoprene emission” by Y. Zheng et al.

Y. Zheng et al.

yiqi.zheng@yale.edu

Received and published: 26 June 2015

The comment was uploaded in the form of a supplement:

<http://www.atmos-chem-phys-discuss.net/15/C4096/2015/acpd-15-C4096-2015-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 11763, 2015.

[Full Screen / Esc](#)

[Printer-friendly Version](#)

[Interactive Discussion](#)

[Discussion Paper](#)



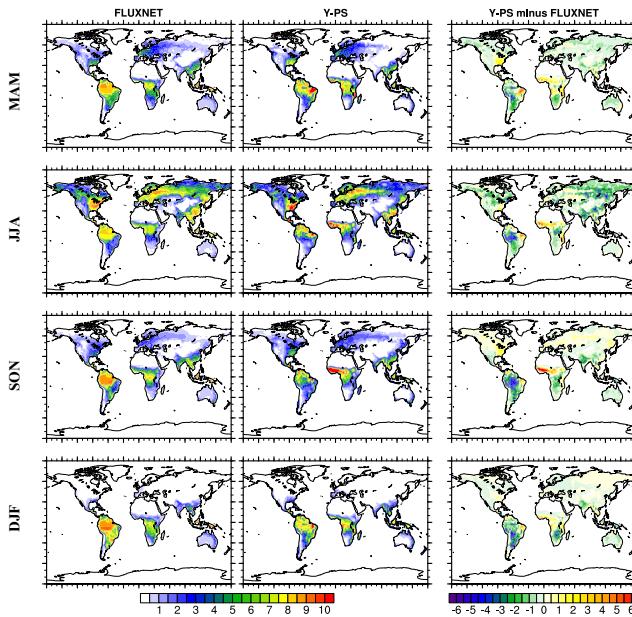
[Interactive Comment](#)

Figure S1. Seasonal averaged FLUXNET-derived GPP (first column), simulated GPP from NASA ModelE2-YIBs (using Y-PS algorithm, second column), and their difference (third column). The units are $\text{g}[\text{C}] \text{ m}^{-2} \text{ day}^{-1}$. GPP in Y-MEGAN and Y-MEGAN-SM are the same as GPP in Y-PS.

[Full Screen / Esc](#)[Printer-friendly Version](#)[Interactive Discussion](#)[Discussion Paper](#)**Fig. 1.**

C4097



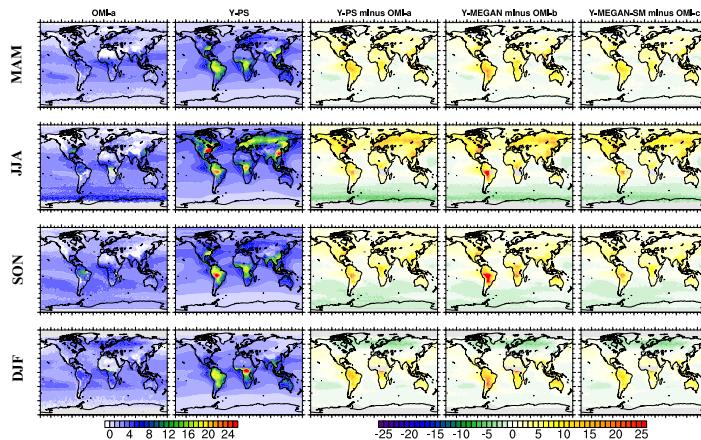
[Interactive Comment](#)


Figure S2. Seasonal averaged tropospheric HCHO columns from OMI-a (using air mass factors of Y-PS, first column), and simulated HCHO from NASA ModelE2-YIBs (using Y-PS algorithm, second column). The third to fifth columns represent the difference between simulated and OMI-retrieved HCHO columns. Third column: Y-PS simulation minus OMI retrieval using Y-PS AMFs (OMI-a); fourth column: Y-MEGAN simulation minus OMI retrieval using Y-MEGAN AMFs (OMI-b); fifth column: Y-MEGAN-SM simulation minus OMI retrieval using Y-MEGAN-SM AMFs (OMI-c). The units are $\times 10^{15}$ molecules cm^{-2} .

Fig. 2.

C4098

[Full Screen / Esc](#)

[Printer-friendly Version](#)

[Interactive Discussion](#)

[Discussion Paper](#)

