

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.

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The comment was uploaded in the form of a supplement:
<http://www.atmos-chem-phys-discuss.net/15/C4092/2015/acpd-15-C4092-2015-supplement.pdf>

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

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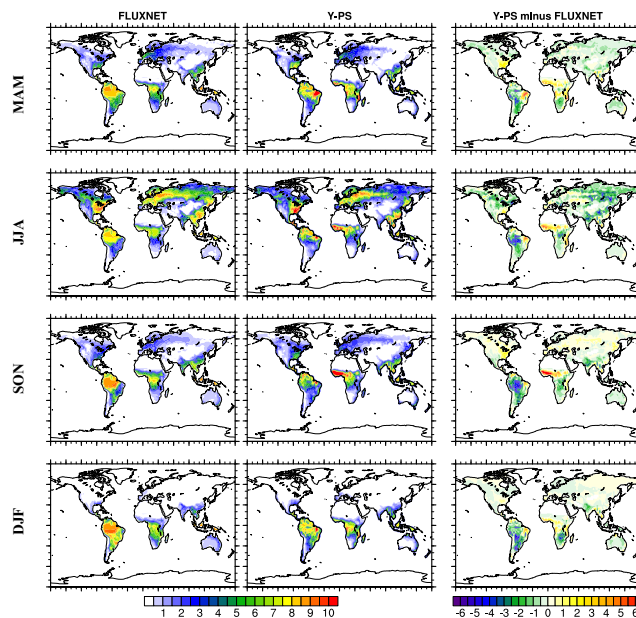
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Figure S1. Seasonal averaged FLUXNET-derived GPP (first column), simulated GPP from NASA ModelE2-YIBs (using Y-PS algorithm, second column), and their difference (third column). The units are $\text{g[C] m}^{-2} \text{day}^{-1}$. GPP in Y-MEGAN and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

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Fig. 1.

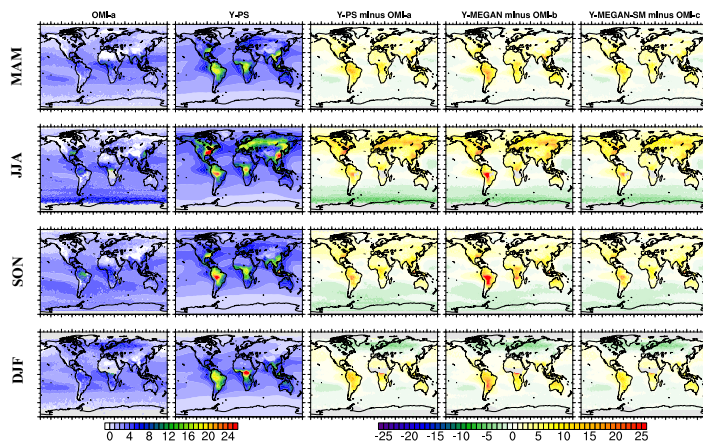


Figure S2. Seasonal averaged tropospheric HCHO columns from OMI-a (using air mass factors of Y-PS, first column), and simulated HCHO from NASA ModelE2-YIBs (using Y-PS algorithm, second column). The third to fifth columns represent the difference between simulated and OMI-retrieved HCHO columns. Third 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.