

Interactive comment on “Global CO₂ fluxes estimated from GOSAT retrievals of total column CO₂” by S. Basu et al.

I. Kovalets

ik@env.com.ua

Received and published: 4 March 2013

Some Questions

I was very interested in this paper and I have the following specific questions.

In ch. 3.1.1 authors justify their choice for x_0^{fire} to be fixed in the inversion algorithm by the fact that the uncertainty in x_0^{fire} is much smaller than the uncertainty in x_0^{bio} . However authors also choose to keep fixed the prior estimate of fossil fuel emissions x_0^{FF} in the inversion procedure. Is there some kind of similar justification for such a choice: are the errors in x_0^{FF} small as compared to that of x_0^{bio} ?

Also how do authors think: whether their method could be used for verifying anthropogenic greenhouse emissions (such as those presented in EDGAR database)?

Thank you in advance,
Ivan Kovalets

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 4535, 2013.

ACPD

13, C332–C333, 2013

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C333

