

Interactive comment on “Consistent regional fluxes of CH₄ and CO₂ inferred from GOSAT proxy XCH₄:XCO₂ retrievals, 2010–2014” by Liang Feng et al.

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Dear Drs. Feng and Palmer,

A Google Scholar search that I have running (for HIPPO) alerted me to your new discussion paper “Consistent regional fluxes of CH₄ and CO₂ inferred from GOSAT proxy XCH₄:XCO₂ retrievals, 2010–2014 ”.

I’m commenting to clarify the source of the HIPPO data that you used for your paper.

I work for CDIAC at the Oak Ridge National Laboratory and support the HIPPO Data Archive (<http://hippo.ornl.gov/>). We watch for data citations to identify papers that have used HIPPO data as we compile our Data Center usage statistics.

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In checking your new paper, I see that you appropriately referenced the general Wofsy et al. (2011) paper, but only acknowledge the data product – “We also thank the HIPPO team for their observations used in our model evaluation.”

It would appear that the data used was the same as the HIPPO Merged 10-second Meteorology, Atmospheric Chemistry, Aerosol Data (R_20121129).

»> Alternatively, if you used data files (1-second data?) downloaded from EOL, they also provide DOIs for their data products.

If this is correct, please add the full citation with the DOI for the HIPPO Merged 10-second data product.

Wofsy, S. C., B. C. Daube, R. Jimenez, E. Kort, J. V. Pittman, S. Park, R. Commane, B. Xiang, G. Santoni, D. Jacob, J. Fisher, C. Pickett-Heaps, H. Wang, K. Wecht, Q.-Q. Wang, B. B. Stephens, S. Shertz, A.S. Watt, P. Romashkin, T. Campos, J. Haggerty, W. A. Cooper, D. Rogers, S. Beaton, R. Hendershot, J. W. Elkins, D. W. Fahey, R. S. Gao, F. Moore, S. A. Montzka, J. P. Schwarz, A. E. Perring, D. Hurst, B. R. Miller, C. Sweeney, S. Oltmans, D. Nance, E. Hints, G. Dutton, L. A. Watts, J. R. Spackman, K. H. Rosenlof, E. A. Ray, B. Hall, M. A. Zondlo, M. Diao, R. Keeling, J. Bent, E. L. Atlas, R. Lueb, M. J. Mahoney. 2012. HIPPO Merged 10-second Meteorology, Atmospheric Chemistry, Aerosol Data (R_20121129). Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, U.S.A. http://dx.doi.org/10.3334/CDIAC/hippo_010 (Release 20121129)

Don't hesitate to contact me if you have any questions.

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