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Answer to Interactive comment by K. Ashworth

First of all, we are very grateful for your interest in our work and pointing us to your recent work, which we apologise for missing.

It is very interesting that your work shows similar results in terms of greater average isoprene emissions with increasing temporal resolution of input data. Further, like you, we also encountered more variability in the hourly emissions (i.e. our hourly emissions were not always higher than the 3-hourly).

We have now added the following text at the end of section 3.3 of our paper to take account of your work:

“This is consistent with the work of Ashworth et al (2010), who found that increasing the temporal resolution of the meteorological data used to calculate emission isoprene fluxes with MEGAN led to larger global fluxes. Further that these changes varied regionally and that the tropics, including the region of West Africa considered in the current study, exhibited some of the largest increases when going from 3-hourly to hourly input data.”