Reply on RC1
Anonymous Referee #2


The FLUXNET-CH4 database, presented by the manuscript, is a valuable asset to the global flux and modeling community. The dataset is openly accessible through the FLUXNET website.

I found the manuscript to be well written, though another round of editing may be helpful to make some sections more succinct (I noticed repetitive wording in a few places).

The methodologies are described clearly and are well tested. I appreciate that the authors offer gap-filled, in addition to non-gap-filled, data.

I found the data representative analyses (i.e., the dissimilarity and tower constituency maps) to be very useful in highlighting gaps in the placement of eddy covariance towers across bioclimatic space. I also appreciate the discussion of potential biases and uncertainty in the data.