Editor comment: Unfortunately I find your response to the reviewer comment about separating training and validation data insufficient (the second last comment). Please could you include clear statements in that regard in the revised manuscript as well. Were the 50% of the data not used in later validation? Please clearly describe in the manuscript what data were used for what purpose, and why not if they could not be separated.

Response:

Section 2.6 was reorganized to emphasize on how the synthetic dataset (SD) and independent validation dataset (sample from measurement) are used to obtain the final model. In particular, the new edits in Lines 274-275, Lines 293-295 and footnote 4 in the track-changes file details what data were used for what purpose. They are completely separate processes, which we specified in the flowchart as 'out-of-sample validation' and 'validation, passed?' steps. We hope the edition this time clarifies this issue.