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Details of the changes in the manuscript can be seen in the track-changes file, but in summary the following changes were made based on the feedback from referees:

- Addition of new subsection “*Transfer coefficients*” in the section “*Results*” regarding the analysis of the transfer coefficients with two new figures (Figs. 11 & 12) and a table of transfer coefficients (Table 4). Please note, that while Fig. 12 is similar to the figure presented in our answers to the referee’s comments it has been improved with better data filtering.
- Addition of new subsection “*Footprint analysis*” in the “*Materials and methods*” section with the accompanying figure 2.
- Conclusions were revised to not contain as strong language as it originally had.
- Model descriptions simplified in “*Material and methods*” section.
- Error in Fig. 3e fixed (subplot upside down).
- Numerous small improvements of clarity, language and spelling throughout the manuscript.