egusphere-2022-855: final response to minor revision 2023/03/24

Answer to Editor/Reviewer 2

The authors thank reviewer 2 for the second review of our manuscript. The minor revision contained only one comment on Figure 2 and Listing 1:

1. *About Figure 2 and Listing 1.*
    The code in Listing one just merges the data in different blocks into an array without following the parallel decomposition.

Reviewer 2 is correct that the code in Listing 1 just merges the data in different blocks into an array without following the parallel decomposition. This does not impose any restrictions on physics operating on this data, since the physics in CCPP are per requirement column-based, i.e. independent of the horizontal decomposition. This is already explained in Section 3.1 of the manuscript. However, to provide further clarification, we added the following sentence to the end of Section 3.2 (bottom of page 7 in the tracked-changes manuscript):

The combination of blocked data structures into contiguous arrays does not take into account the parallel decomposition of the data, since physical parameterizations in CCPP are by definition one-dimensional, i.e. independent of the horizontal decomposition.