

Dear Graham,

Thank you very much for the acceptance of our manuscript. We sincerely appreciate your careful review, and the constructive feedback provided throughout the editorial process.

Please find below our responses to the final grammar-level corrections. Your original comments are shown in blue, and our replies follow in black.

GLC1) Slight further grammar-level revision of the title of the manuscript

This final grammar-level revision change to the title is to have the parenthesis be restricted only to the revision number of the UM, i.e. to change: "to improve simulated aerosol-cloud radiative effects (in UK Met Office Unified Model, version 13.0)" instead to "to improve simulated aerosol-cloud radiative effects in the UK Met Office Unified Model (UM version 13.0)"

This change has been implemented in the manuscript title.

GLC2) Line 282 (of TC-MS) □ "gridboxes which has" □ "gridboxes which have" (plural)

This correction has been made.

GLC3) Remaining instance of colloquialism here, "we may not capture....".

Please change: "In the nudged simulations, we may not capture all adjustments (Zhang et al., 2014)...." Instead to "The nudged simulations may not capture all adjustments (Zhang et al., 2014)...."

This change has been implemented as suggested.

GLC4) Caption to Figure S8 -□ Please change "for this figure" to "for this Figure" (if the word "figure" refers to Figure within a manuscript, the 1st letter is capitalised)

This correction has been made in the caption of Figure S8.