

We thank the reviewer for ensuring this manuscript continues to improve. We've gladly made all suggested changes.

Line 128: A-EBD reference should be to Donovan et al 2023

Done

Line 155: split 'methodhaving'

Done

Line 241: It reads hard to have both L and LWC linked in this line to liquid water content. I don't think LWC is used in the pages to follow so please either remove (LWC) or if you want it defined in this section add it to the liquid water content in line 237.

This was indeed not desirable: we had intended to use L as the symbol in the figures, and have now made this change.

Line 330: how, when Doppler velocity is assimilated,

Done

Line 530: add) after ratio. Remove brackets in the line below that: (We issue.)

Done

Line 574: You argue that the red line is not bimodal. In my view it still looks bi-modal but not as strongly as the model truth.

We agree. This now reads, "...is only weakly bimodal..."

Line 578: remove o after bias

Done.

Figures: 11b, 12c, 13a 15b and 17a

In all panels the y-axis lowest value of the top panel overwrites the lower panel value. Please remove the top value in the lower panels

Done