

**Manuscript:** Water Vapour Exchange between Atmospheric Boundary Layer and Free Troposphere over eastern China: Seasonal Characteristics and ENSO Anomaly (egusphere-2023-1639)

**Response to Reviewer #1:**

*[R1.1] I thank the authors for their responses - the revised manuscript is now much better. I have only one final comment, regarding my original R1.6.*

*The response to my comment appears to suggest that the value selected for the BL top is the nearest level BELOW the BL height - is that correct? If so, I think that would be worth clarifying in the text, which still suggests that it is the closest level, regardless of whether this is above or below the BL top. I would also suggest mentioning in the text that you see no significant effect from interpolating values to the BL top, as you have shown in the review responses.*

**Response:** We thank the reviewer for the positive evaluation and have followed the advice. The values selected for the BL top are extracted from the nearest level above the BL height. We have added this clarification in the text and indicated that there is no significant effect from interpolating values to the BL top. For your convenience, the revision is listed below:

“Other variables at the ABL top were extracted from the nearest model level above the ABL height (there is no significant difference between these extracted values and those interpolated to the ABL top).”