

The manuscript by Vogel et al. analyses source attributions of airborne measurements within outflows of the Asian Summer Monsoon Anticyclone (ASMA) during the PHILEAS campaign in 2023.

This draft for a publication in ACP received three thorough reviews and the authors provided individual reactions. I am not going to raise additional items on the original manuscript.

Overall, the authors have made adequate and conclusive changes in response to the review comments. I am only left with two remarks that might want to be addressed in the final version.

Technical comments:

Following Reviewer #1's technical remark 28, I would indeed suggest writing something like "Potential temperature along flight path" instead of just "Potential temperature" in the figure's inset legend (similarly applies to other figures).

Reviewer #1's technical remark 41: I find the rewritten sentence in the conclusions still not satisfying. In the analysis of flight F08, the authors clearly indicate the contributions of ECH, NWP and TWP. How is that different from the "eastern part" of the ASMA, that the authors state to not having reached? Also, this contradicts the new schematic Fig. 17. Maybe I am misled by something (and not being an expert in the field of the ASMA), but in my opinion this limitation to the ASMA's "western part" is unnecessary.