

## Replies

We thank the editor for the comments. For convenience, we repeat the comments and then give our replies, which are printed in italics

- "c.f." should read "cf." it means "compare (with)". Note that often "see" fits better than "cf."

*Reply: We have adapted the manuscript accordingly.*

- "Figure" should be written as "Fig." except at the beginning of a sentence.

*Reply: We have adjusted Fig. and also Sec. and Eq.*

- panels in figure captions should just be referred to as "(a)", "(b)" ... etc. and not as "Figure 2a" (as currently in the caption of your Fig. 2)

*Reply: We changed the references.*

- panels should always be addressed as (a), (b) ... and not as (left) or (right)

*Reply: We have adapted the manuscript accordingly.*

- L254: m/s should read  $\text{m s}^{-1}$  (please check in entire paper)

*Reply: Yes, we changed that.*

- "pseudo-wind": please consider again using this term. I don't like it too much ... there is just a real wind and I am not sure what a "pseudo-wind" should be. What you consider is the propagation speed of the ISSR, so I am fine with "pseudo-velocity of ISSRs" (which you also use in the paper). Although in my view, it could also be just "velocity of ISSRs", not sure why you need "pseudo", but more essential to me would be to avoid "pseudo wind". And if you decide for your favourite term, then I suggest to stick to this term and not switch between pseudo-wind, pseudo-speed, pseudo-velocity ... (e.g., in Fig. 5 it is confusing that the axis label and caption text use different terms).

*Reply: We have deleted pseudo-wind. We only call it pseudo-velocity in the manuscript now.*

- a matter of taste: you have often very short paragraphs (sometimes only one sentence). To me, this makes the fluent reading a bit difficult as some of this single-sentence paragraphs appear not to be very nicely embedded in the flow of the story. For instance the 3 last paragraphs of this paper, don't they belong together? If you agree, you can make minor changes; if not, then fine to leave it as it is since the reviewers did not mention it before.

*REPLY: We have put together some paragraphs.*

- L372: what are "algorithmic climate change functions from the WAWFOR-Klima data"? Please explain or give a reference.

*REPLY: We have added references to the manuscript.*

*The axis designations of Fig. C1 and D1 have also been adjusted.*