

Responses to minor reviews

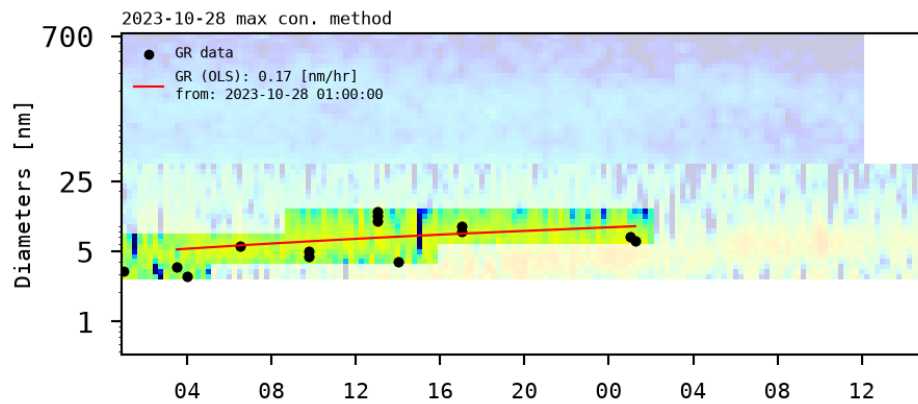
Thank you again for the final and minor comments to the paper. Once again it has been improved. Please find below the comments to each individual response.

There are only some minor suggestions (mostly) from the previous reviews that have not been solved by the authors, and which I consider good to follow prior publication:

Table 1: please add the GR to 3b

Done. GRs recalculated for these two events: 3a and 3b i.e. 0.17 and 0.27

2023-10-28 01:00:00



2023-10-28 12:00:00:

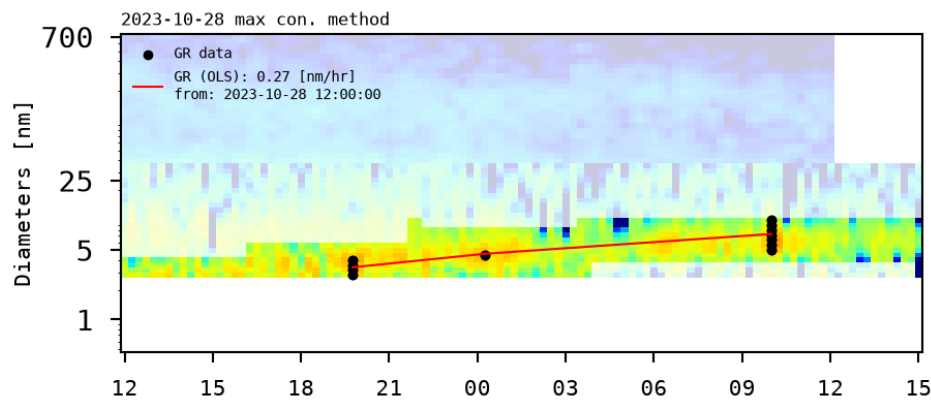


Fig. 2: avoid plotting 6x GHI and plot GHI instead on separate axis

We multiply by 6 only because the solar insolation parameter is multiplied by 6 so it is there for a reference as a potential maximum limit. We have written a sentence in the legend to explain this.

Fig. 11: check the second sentence in the caption and correct it

Yep, we changed this. Caption on figure 11 now reads:

“The solar insolation divided by the condensation sink (Solar insolation/CS, SUN FLUX/CS) with a 30-day rolling mean, is denoted by the red line. The intensity parameter (ΔN 2.8-5nm) is shown in black. The green and blue lines represent the rolling averages of the NPF daily event frequencies using the Dal Maso et al. (2005) and Aliaga et al. (2023) classification schemes respectively. The green and blue curves are displayed to be able to compare to the red line, the proxy for NPF activity i.e. the balance between sources and sinks.”

Include the novelty and goal of the study (well described in the response to the reviewers) in the introduction,

The following line was added to the introduction. Lines 163-166 of the final submission:

“In this study, we offer a simplified approach to predicting the occurrence of NPF events, using proxies for the source and sink of newly formed particles, in a region with minimal anthropogenic influence particularly in the summertime, and also in a region where extensive measurement set ups are not always feasible.”

and shorten parts on CCN being given bigger space than the scope of the paper needs (L101 - 110?).

This part has been shortened by at least a quarter of the original size (in terms of word count)

In the conclusion, consider moving L838-842 somewhere else in the text, maybe to L828?

This change has been made.