

Dear All,

Thank you for your accepting this manuscript to the journal. The comments and suggestions were helpful in improving the manuscript and giving confidence in the results, particularly with regards to the addition of alternative datasets in the appendix.

There are no additional changes to this version with the exception of conversion to the required submission format and latex template (including the addition of author contributions and data availability), and with the correction of a typo in figure 5 (Tropomi SIF -> downscaled SIF).

We hope the submission is in the correct format and standard.

Kind regards,