Dear Editor,

Thank you for coordinating the review process and accepting our manuscript "Focal-TSMP: Deep learning for vegetation health prediction and agricultural drought assessment from a regional climate simulation" for publication in GMD. We would also like to thank the anonymous referees for reviewing and improving the manuscript.

We corrected the revised manuscript according to the technical issues raised by the reviewers and fixed a minor issue in the Figures:

- We added notes for Tables 1 and 2 about the bold and underlined numbers as well as the standard deviation for the three runs.

- We split the first sentence in the abstract into two sentences and replaced the wording "for observed periods" by "for the Earth observation era".

- In Figures 5, 6, 7, F1, and F2, we replaced K° with K.

- In the captions of Figures 8 and 9, we corrected the reference from Section 3.4 to 3.

- In the caption of Figure F2, we corrected the reference from Figure 8 to Figure 9.

- In the captions of Figures F1 and F2, we corrected the reference from Section 5 to 3 and removed the reference to Table 1.

Kind regards,

Mohamad Hakam Shams Eddin