

RESPONSE LETTER

We would like to thank the Topic editor and reviewers for the valuable suggestions on our manuscript once again. The suggestions made by the Topic editor and reviewers further improved our manuscript.

Comments from Reviewer 3:

Comment: *Figs. 8 and 9 show the skill score only at 30-min and 60-min nowcast lead-time based on my previous comments. However, it would be better if authors can evaluate and validate the performance of forecast in consecutive time. For instance, examine the performance of Figs. 10, 11 and 12 quantitatively by all forecast skill-score, i.e. show the scores at 6-, 12-, 18-, 24-....54-, 60-min. By doing that, the advantage of different nowcasting system will be easier to illustrate recognize.*

Response: Thanks for your suggestion. In the comparison experiments, we included continuous skill score curves for three prediction examples and analyzed the performance of the model over a 0-60 minutes prediction lead time. The results show that GAN-argcPredNet v2.0 has a more competitive overall performance. (Page 17, Figure 13; Page 13-14, Line 294-301).