**Dear Anonymous Reviewer**

We greatly appreciate your thoughtful comments that helped improve the manuscript. Thank you very much for your effort. Our responses for all comments are mentioned bellow.

We would also like to thank the editor for giving us the opportunity to improve the manuscript.

1. For figures, we have added the coordinates of each radiosondes station in figure 1.
2. In figures 4, we have added the correlation coefficient R.
3. For diagram of Skew Temperature – log Pressure, we have choose Algiers station in period January 01, 2021 is just for illustration.
4. The other formal comments have corrected in the document.