

First of all, we thank both reviewers for careful reading and valuable comments on the manuscript, which improve the quality of our manuscript. Our responses to the reviewer's comments are listed below one by one.

Regarding SNR calculation. The authors may want to examine the sensitivity of their results on the chosen Δf to verify the variation of SNR is consistent. It may be useful to compare the variation of SNR within the circles marked in Figure 3 and that outside the circle to verify that the associated SNR variation is due to the earthquake.

Reply:

Thanks for the reviewer's suggestions. We will test this and add the results in the revised manuscript.

line 39. incomplete sentence. maybe removing parentheses. line 40. Among those works, line 106. need unit for the preparation zone rho

Reply:

Thanks for the reviewer's suggestions. We will revise these and check the whole text of manuscript carefully.