

Comment on gmd-2021-235

Responding to Topical Editor

The manuscript will be accepted for publication after a few very minor technical corrections.

Many thanks for your confirmation to our manuscript.

1) In my last comments I forgot to mention that I agree with one of the reviewers that the use of "negative feedback" is not correct. It is simply an "implicit SST restoring effect", and has nothing to do with physical feedback mechanism. Please correct them ("negative feedback" appears at 5 places).

Thanks for pointing out this for us. We have modified them as follow:

Line 236: "an effective negative feedback mechanism can form between the SST and the SST-related heat fluxes." changed to "an implicit SST restoring effect can be formed between the SST and the SST-related air-sea heat fluxes."

Line260: "introducing the effective negative feedback mechanism between the model's SST and the air-sea heat flux using the COARE 3.0 bulk algorithm," changed to "introducing the implicit SST restoring effect using the COARE 3.0 bulk algorithm,"

Line275: "due to the effective negative feedback mechanism" Changed to "due to the implicit SST restoring effect"

Line279: "with an effective negative feedback mechanism" changed to "with an implicit SST restoring effect"

Line635: "an effective negative feedback mechanism" changed to "an implicit SST restoring effect"

2) The word "feedbacked" on page 27 should be "feedback"

We have done.

Line533: replace feedbacked with feedback

3) in the abstract, "the five versions" --> "five sub-versions"

We have done.

Line18: replace versions with sub-versions

4) page 32, 647-648, can well ... preserve --> can well preserve ...

We have done.

Line647: replace well the characteristics with well preserve the characteristics

Line648: remove preserve