

We extend our sincere gratitude to the editor for accepting our article for publication in *TC*. The two technical corrections you identified have been fully addressed, and the corresponding revisions have been incorporated into the updated manuscript.

Technical corrections:

Reviewer comment: L605-606: “However, the timescale of the upstream ice response to positive SAM forcing is unclear ...”

Author’s response: In the revised manuscript, we have deleted “of the upstream” in the sentence and now reads “However, the timescale of the upstream ice response to positive SAM forcing is unclear....” L605-606.

Reviewer comment: L666-667: “Although climate model projections remain uncertain regarding whether future ENSO events will resemble more an El Niño- or La Niña-like state...”

Author’s response: We have revised the text as suggested and deleted the “more” before “resemble” which now reads: “L666-667: Although climate model projections remain uncertain regarding whether future ENSO events will resemble more an El Niño- or La Niña-like state..”