

Dear Jun Wang,

Thank-you for the work that you and your co-authors have undertaken to address the reviewers comments on your manuscript. Overall I think you have responded sufficiently to the comments from the reviewers. Below, please find a list of technical corrections that I think would improve the clarity of the manuscript in a few places. The line numbers are taken from the author response file with track-changes.

Abstract, line 207-212: Perhaps re-write this sentence to replace 'and' with 'or' i.e. 'The composite analysis showed that evolution of the MLO CGR anomaly during EP and CP El Niños had three clear differences: (1) negative or neutral precursors in the boreal spring during an El Niño-developing year (denoted as "yr0"), (2) strong or weak amplitudes, and (3) durations of the peak from December (yr0) to April during an EP El Niño-decaying year (denoted as "yr1") compared to October (yr0) to January (yr1) for a CP El Niño.

Reviewer 2 asked you to 'articulate to readers why it's important to separate the two types of El Niño' (review paragraph 1). Perhaps this could be done at line 335 by extending the sentence to note why you want to reveal their different impacts e.g. 'In this study, we attempt to reveal their different impacts given the different regional responses of the EP and CP El Niños.'

Line 420: Suggest 'of a more recent, better performing, version'

Line 422: Suggest adding a sentence after 'experimental protocol.' 'Models use different vegetation datasets or internally generated vegetation.'

Line 445: Is the ONI plotted in Fig 1a or the Niño3.4 index without the running mean? If it is the ONI then you might like to refer to Fig 1a at line 445-446.

Line 456: After 'used here' add '(both modelled and observed)' if this is correct.

Line 571: It might be good to refer to your new supplementary figure S5 here when you are first describing the choice of years that make up each composite as well as later in the paper. You will need to re-number the supplementary figures if you do this.

Please feel free to contact me by email if any of these comments are not clear.

Regards,

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