

Dear Editor,

Thanks for the great support and kind suggestions on our submission. Please find our responses (in blue) to the final comments (in black).

L67: and significantly increased monsoonal rainfall

--Revised.

L83: 'between the PI and mid-Holocene'

--Revised.

Section 2.3.: make sure to clearly define all the terms of the different equations, and double check your equations. For example L and q are not defined in the MSE equation, and ϕ should be replaced by $g.z$ (gravitational acceleration times geopotential height), as ϕ is already defined in the previous equations as latitude.

--Reply. Thanks for the suggestion and we have revised those places accordingly.

L561-562: "that stationary and transient eddies changes significantly influence on cross-equatorial energy flux transport"

--Revised.

L564-565: This is a strong statement. Unless you really think that the evidence shown in the cited studies is unequivocal, I would suggest toning it down.

--Reply. We agree with the comment and have removed this less relevant sentence.

Table S1: Please also provide references for the mid-Holocene simulations, ie either the manuscripts describing each of the MH simulations or the DOI of each of the MH simulation. Please also move this table as Appendix as these simulations are the basis of your manuscript.

--Reply. Thanks for the suggestion. We have moved it to Appendix A (Table A1) and added one table with DOI details (Table A2).