

We appreciate your comments on our manuscript. Below, please find our replies to your queries and comments.

*P14, L3-8: Please use better expression than the “table 2” region. Besides the formula (1), maybe other formulas can also be presented so that the discussions can be understood easily. It is a little bit difficult for me to understand your arguments here. Are you talking about the result shown in Table 2 or Table 3? With respect to what parameter (TOA, ATM, or SFC for IE or CE?) do you mean by “overrides”? How can feedbacks override their original forcing? Maybe what “feedbacks” you mean should be stated here clearly. For Line 6-7, it is not clear for me to see if “any resulting feedbacks” are included in “the total indirect effect” or not.*

- “table 2 region” was changed to “BBA source region”. A formula was added to define CRE. All results discussed here refer to Table 2. The SW CRE change can be negative (stronger SW CRE) due to BBA irregardless of circulation changes because LWP increases and Reff decreases. However in this experiments cloud fraction decreases because of circulation changes, hence it "overcomes" (changed from “overrides”) the other effects so that in the end the SW CRE change is positive. “any resulting feedbacks” are indeed included in “the total indirect effect”, and the sentence is revised accordingly to make this point more clear.

*P40, Fig. 8: Please add variable name and unit into the Y-axis (also for Figs. 4, 9 and 11). Below 900 mb, the temperature difference is about -0.3 K. Such high negative value is not expected by the low absolute values of SW and LW and high positive heating rate of Moist at the same altitude. Are there any other factors influencing the temperature difference?*

- Variable name and unit (Pressure, hPa) were added. The negative temperature anomaly of the atmosphere near the surface is caused by the negative temperature anomaly of the surface itself. Tendencies induced by other physical processes do not actually contribute the negative anomaly which is solely due to dynamics tendencies.

*P3, L26-27: This sentence seems to have a grammar issue. Either “If” or “i.e.,” should be deleted.*

*P9, L4: It should be “give”, instead of “gives”.*

*P10, L27-P11, L1: Can this sentence be shorten, or be separated into two sentences?*

*P21, L18: “Huffman ...” should begin on a new line.*

- Revised as suggested.