

In revised paper authors have carefully provided the clarification. The authors have also given a brief background to their previous publication to give the reader a better understanding of the work. The present form looks acceptable for publication in Earth System Dynamics.

Some minor comments:

Page 3 Line 15: Please rephrase "*An important if not the most important...*"

Page 3 line 23: "... *which*" to "..., which"

Page 4 line 7: "*Whenever the term ..*" change to - The term, Antarctic contribution ... used in this study"

Page 4 line 13: Is the forcing data same as in Levermann et al., 2014? if so please refer to it for clarity. What about the initial conditions and the spin up time, are they same?

Page 11 Line 25: "*.. but some errors may remain in some places*" - unclear: What type of error and which places?

Please use either spin-up or spinup. If the authors refer to different terms please clarify it.