Dear Dr Yun Liu,

during our proof reading we had to make some changes to the manuscript that require your approval. Perhaps it is best if I briefly explain the nature and reason for the changes.

They are indeed small and are not due to any change in the results or analysis. The paper computes the contribution of the Antarctic ice sheet until the year 2100. In a number of places we report the values of the projections for the year 2100, i.e. the difference between 1900 (when the projections start) and 2100. For comparison with other studies and for the IPCC it is however important to also report the values for the increase between 2000 and 2100. I had forgotten to do this. Now I have done this with the smallest amount of changes, namely by only updating table 11. Since these are however the most important values for other researchers and the IPCC, I have changed to this set of values (i.e. the difference between 2000 and 2100 as opposed to 1900 and 2100) in the abstract and the discussion.

All figures are still the same, all simulations are still the same, we only report a slightly different set of numbers. The difference is indeed very small. For reference: The largest difference emerges for the RCP-8.5 simulations for the 95% percentile which is 61cm for the period 1900 to 2100 and becomes 58cm for the period 2000 to 2100 (5% difference).

All changes that need your approval are due to this one issue except for a request to add another co-author. One of the modeling teams (the Japanese group around Ralf Greve) had forgotten to put a colleague as a co-author who had substantially contributed to the modeling with the SICOPOLIS model.

I hope this is not a problem. It would be much better if we could keep it the way we corrected it even though the numbers before were not wrong just not the best numbers to report on.

Cheers, Anders

Page 2, in the abstract:

Please change:

“within the 21st century of 18 cm, with a likely range (66th percentile around the mean) between 9 and 38 cm and a very likely range (90th percentile around the mean) between 6 and 61 cm.“

Into

„within the 21st century of **17** cm, with a likely range (66th percentile around the mean) between 9 and **36** cm and a very likely range (90th percentile around the mean) between 6 and **58** cm.“

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Page 2, in the abstract:

Please change:

“median of 14 cm of global mean sea level contribution. The likely range for the RCP2.6 scenario is between 7 and 27 cm, and the very likely range is between 5 and 40 cm.”

into

“median of **13** cm of global mean sea level contribution. The likely range for the RCP2.6 scenario is between 7 and **24** cm, and the very likely range is between **4** and **37** cm.”

Page 25, Table 11:

Unfortunately the table was printed for the temporal period 1900 to 2100, but should have been for the 21st century only, i.e. 2000 to 2100. Can you please change the number to the following numbers:

RCP-2.6 0.04 0.07 0.13 0.24 0.37

RCP-4.5 0.05 0.07 0.14 0.28 0.44

RCP-6.0 0.05 0.07 0.14 0.28 0.44

RCP-8.5 0.06 0.09 0.17 0.36 0.58

Page 25:

Please change: “(0.18–0.14m)/0.14m=29%” to “(0.17–0.13m)/0.13m=31%”

Page 25:

Please change: “(0.61–0.40m)/0.40m=53%” to “(0.58–0.37m)/0.37m=57%”

Page 27:

Please change “38” to “36”.

Page 27:

Please change “61” to “58”.

Page 27:

Please change “cm” to “m”

Page 27:

Please change “18” to “17”