Review of Zhiang et al.

In the revised manuscript, the authors mostly addressed my concerns and questions raised in the previous review. In particular, they conducted additional sensitivity experiments similar to Niu et al. (2019) and showed that their new ice sheet model is capable of simulating changes in ice sheet over the glacial-interglacial cycle when reasonable atmospheric forcing is applied. On the other hand, I couldn't find sentences in the last section highlighting what kind of insight can the model give to better understand the ice-age cycle over the Quaternary. Note that in the response letter, it did say the authors included those sentences (page 20). I did find several interesting sentences in the track-trace file that attempt to make this point, but those sentences were deleted. Does this file really compare the most recent manuscript with the one that was published in the Discussion paper? Given this condition, I cannot make a decision at the moment. Below shows some comments that may help to improve the manuscript.

L408-409: The latter part of the sentence is inaccurate since the sensitivity experiment is forced with a combination of Greenland isotope record and model outputs from PMIP. Please modify it.

L423-424: It would be better to clarify that the authors are discussing the result of moving margin experiment here.

L428: Sorry if I have misunderstand, but I thought the authors are discussing the results from transient experiments in Fig. 6. If so, why is it citing Table 4, which shows result of steady state experiments?

L497-499: I assume the authors are using only the raw LGM climate condition from AWI climate simulations. In that case, it would be better to just refer to $T_{LGM}(\lambda,\phi,t_{day})$. $((T_{LGM}(\lambda,\phi,t_{day}) - T_{today}(\lambda,\phi,t_{day}))$ gives an impression the the ice sheet model is forced with anomalies between LGM and piControl in AWI model. However, that is not the case, right?