

## ***Interactive comment on “The PMIP4-CMIP6 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3-CMIP5 simulations” by Masa Kageyama et al.***

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The following metrics (multi-model mean) will be very useful for comparison with proxy and simulated large-scale temperatures from other PMIP/deepMIP paleo reference periods:

For each of six 30-deg latitude bands (18 values total, each with 5-95% uncertainties):

- $\Delta$ MAT
- $\Delta$ MAT over land
- $\Delta$ MAT over sea

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This will enable polar amplification to be calculated as 60-90 vs 90-90 latitude in both hemispheres, and land vs sea for both 90-90 and 60-60 or 30-30 lat, while providing a framework for comparisons with proxy data (e.g., Fig 4b in Brierley et al. <https://doi.org/10.5194/cp-2019-168>). For anomalies, please use 1850-1900 as the reference period.

Thank you in advance for including these key metrics in your paper.

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Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2019-169>, 2020.

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