Reply to Copy Editor’s Remarks

CE1 (page 1): Explanation to the Editor for adding a footnote and reference: Our paper focuses on paleo, instrumental, and future global temperature, all of which were adjusted to a common baseline period of 1850-1900. A new reference is needed to point readers to the section in the IPCC report that explains the origin and rationale for using this specific baseline, which is not obvious. This also adds to one of the goals of the paper: to bring together information from across the WGI report. A footnote is preferred to keep this detail from interrupting the flow; however, the sentence (below) could be added parenthetically instead.

“The 1850-1900 reference period is used by IPCC to approximate pre-industrial global temperature, as explained in Cross-Chapter Box 1.2 in Chen et al. (2021).”

Chen, D., Rojas, M., Samset, B. H., Cobb, K., Diongue Niang, A., Edwards, P., Emori, S., Faria, S. H., Hawkins, E., Hope, P., Huybrechts, P., Meinshausen, M., Mustafa, S. K., Plattner, G.-K., and Tréguier, A.-M.: Framing, Context, and Methods. In Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change , edited by: Masson-Delmotte, V., Zhai, P., Pirani, A., Connors, S. L., Péan, C., Berger, S., Caud, N., Chen, Y., Goldfarb, L., Gomis, M. I., Huang, M., Leitzell, K., Lonnoy, E., Matthews, J. B. R., Maycock, T. K., Waterfield, T., Yelekçi, O., Yu, R., and Zhou, B., Cambridge University Press, https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC\_AR6\_WGI\_Chapter\_01.pdf (last access: 21 March 2022), 2021.

TS8 and TS9 (page 4): Explanation to the Editor for the need to revise the Supplement: The ReadMe tab of the revised Supplement (Excel file) was revamped so that it contains additional information about the source of the data sets and is now harmonized with the expanded “Data availability” section. Very minor revisions were also made to two data sets.