

Torun, 22nd April 2026

Dear Linden Ashcroft

Editor, Climate of the Past

Thank you very much for your decision and for sending suggestions to improve our paper. Please find below our reply:

Your suggestions:

Title: How do you feel about 'newly recovered', rather than newly discovered? I think this may be a more accurate reflection of the provenance of the dataset you have explored.

Reply. Thank you for this suggestion. We corrected the title to:

Newly recovered series of meteorological measurements in SW Greenland (Nuuk) in the period 1806–13

Line 180: It's subjective to state that air temperature is the most important variable in every climate analysis. Can you revise this sentence to expand and explain why it is important.

Reply. Thank you for this suggestion. You are right, not in all types of climate is it true. Therefore, we added, "in the polar regions" and some explanation. The sentence now is:

In the article, we present an analysis limited to air temperature – the most important variable in ~~every~~ climate analysis in the polar regions – influencing most strongly both environmental changes and human life in these regions.

Line 196: please remove the word 'part' after the word 'results'

Reply. Done. The sentence now is:

Our comparison with present values (see results) also support this favourable assessment, as did comparison with parallel observations available for Nuuk for the years 1811–12.

Line 231: Can you please add a reference to support the statement "scientists at that time (approximately the late 18th century) were familiar with methods of meteorological measurement" for readers who would like to know more?

Reply. Thank you for this suggestion. We propose the following references:

(Middleton, 1969; Frisinger, 1977; Camuffo et al., 2017; Pfister et al., 2019)

And the sentence now is:

However, we must add here that scientists at that time (approximately the late 18th century) were familiar with methods of meteorological measurement (see e.g., Middleton, 1969; Frisinger, 1977; Camuffo et al., 2017; Pfister et al., 2019).

Full bibliography of items added to the list of references :

Middleton, W.E. Knowles: Invention of Meteorological Instruments. 3rd ed. Baltimore: John Hopkins University Press, 1969.

Frisinger, H. Howard: The History of Meteorology to 1800. New York: Science History Publications, 1977.

Camuffo, D., Bertolin, C., Barriendos, M., Domínguez-Castro, F., Cocheo, C., Enzi, S., and Sghedoni, M.: A short critical history of the development of meteorology and climatology, *Climate*, 5(1), 23, <https://doi.org/10.3390/cli14040088>, 2017.

Pfister, L., Hupfer, F., Brugnara, Y., Munz, L., Villiger, L., Meyer, L., Schwander, M., Isotta, F. A., Rohr, C., and Brönnimann, S.: Early instrumental meteorological measurements in Switzerland, *Clim. Past*, 15, 1345–1361, <https://doi.org/10.5194/cp-15-1345-2019>, 2019.

Thank you very much again for your fruitful suggestions.