Supplementary figures for:

Constraining the 19th century temperature baseline for global warming

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Fig. S1: Number of available gridcells over time in the observed and reconstructed temperature fields. (A) For mid latitudes between 35-60°N. (B) For northern latitudes between 60-90°N.



Fig. S2: Examples of grid masks for harmonizing coverage between different temperature datasets. The masks represent the overlapping fraction between CRUTEM5 and Anc17 at different time steps. The actual masks are updated on a year-to-year basis. After 1971 the extend of the masks is not changing anymore.



Fig. S3: Correlation between lowpass filtered reconstructed (Anc17) and instrumental (BEST) fields for different time intervals. Colours indicate Pearson correlations calculated from (a) 1851-1900, (b) 1901-1950 and (d) 1939-1988.



Fig. S4: Correlation between lowpass filtered reconstructed (Anc17) and instrumental (CRUTEM5) fields for different time intervals. Colours indicate Pearson correlations calculated from (a) 1851-1900, (b) 1901-1950 and (d) 1939-1988.