

Interactive comment on “Arctic marine climate of the early nineteenth century” by P. Brohan et al.

J. Guiot (Editor)

guiot@cerege.fr

Received and published: 19 April 2010

Dear authors

You have received the comments of two reviewers who agree on the quality of the work and are favourable to publication of your paper. Both recognise that it is an important contribution on our knowledge of past climatic changes. You have replied to the comments and you have now the possibility to submit a revised version to Climate of the Past.

Both reviewers would like to find more discussion on the uncertainty of your results. But for the first reviewer, the failure is to quantify difference between historical records and modern observation. For the second, it is more a discussion about the uncertainties related to the measurements methods on the ships. To both reviewers, you reply that it will be done in another paper. I can understand that, but because Climate of the

C96

Past is a journal open to a large community of scientists working on climate, I think that some physical problems addressed by D. Camuffo could be discussed and referenced in section “Known biases”. Please explain also why it is not here the place to discuss more the uncertainties.

The point concerning the proportion of alcohol thermometers should be also mentioned at least as non available information. Fig. 1 should be completed, reference to Chenoweth's work done about the Tambora eruption and paragraph about line 20 in page 38 should be rewritten.

Please submit a revised version of your ms taking also into account specific points. Add a letter explaining the modifications done in the paper.

best regards J. Guiot

Interactive comment on Clim. Past Discuss., 6, 35, 2010.