

## ***Interactive comment on “Revisiting the absolute calibration of the Greenland ice-core age-scales”*** **by L. Skinner**

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What I am missing in this interesting paper on tuning time-scales, is a clear warning regarding the dangers of matching peaks between proxy archives. Key references in this regard are Baillie (1991) and especially Wunsch (2006). Wunsch discusses how spurious correlations could be produced between proxy archives with similar event frequencies.

By producing chronologies through tying together proxy-inferred climate events between regions, we are in the danger of circular reasoning (especially if we make subsequent statements about climatic phase relationships such as synchronicity, leads and lags). Instead, if at all possible we should work with, and quantify and reduce the chronological uncertainties of, individual and independent records.

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## References

Baillie, M.G.L. 1991. Suck in and smear: two related chronological problems for the 90s. *Journal of Theoretical Archaeology* 2, 12-16.

Wunsch, C., 2006. Abrupt climate change: An alternative view. *Quaternary Research* 65, 191-203.

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4, S389–S390, 2008

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