

***Interactive comment on “Tracing winter temperatures over the last two millennia using a NE Atlantic coastal record” by Irina Polovodova Asteman et al.***

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Excellent contribution, well-written and high-standard figures.

A few minor comments requiring a few more, additional lines of discussion: \*) comment/discuss general results in context of (non-cited) highly relevant reference Luterbach et al. 2016 Env.Res.Lett. 11.

\*) start of LIA : refer to Stuiver et al. 1995, Quat Res 44

\*) multi-decadal variability lacking reference to possible link to Atlantic Multidecadal Oscillation (AMO). Within this context interesting to discuss results shown in Fig. 7

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with peaking BWT values prior to 1920 coinciding with cold AMO / low N Atlantic sea surface salinities (Reverdin et al. 1994 Progr.Ocean. 33; Reverdin 2010, Journ Clim 23) , in following period until ca 1960 BWT at a lower level (during warm AMO) , after which again peaking (e.g. at time of 'Great Salinity Anomaly', early 1970's).

\*) Fig. 8 Discuss Dalton Minimum (AD 1790 - 1820) with general low T, both Tair and BWT coinciding with Gulf Stream warming ( see previous remark ! ) , ref Van der Schrier and Barkmeijer 2005, Clim Dyn. 24

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