

Interactive comment on “The WAIS-Divide deep ice core WD2014 chronology – Part 2: Methane synchronization (68–31 ka BP) and the gas age-ice age difference” by C. Buizert et al.

H. Fischer (Editor)

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Dear authors

Your paper on "The WAIS divide deep ice core WD2014 chronology..." represents a most important contribution to the field. The draft has now been seen by two reviewers. Based on these generally positive comments and my overall assessment, I would encourage you to submit a revised version of the manuscript. This revised version should carefully address the review comments, most importantly:

- referee #2 points to the exceptional thinning function, which has so far not been discussed in the paper. I very much agree with the referee that this is an important issue

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for further discussion and that you should elaborate, why the thinning function looks unexpected, and/or include an alternative thinning scenario and discuss the implication of such an alternative.

- referee #1 stresses the insufficient documentation of the new Hulu chronology itself and its link to WD2014. Please, expand the discussion on this point as suggested by ref #1.

- finally the paper would benefit of a wider discussion in the end that would go beyond its current form, as stated by referee #1.

Please provide also a point-to-point reply to the review comments. Based on the revised manuscript and the reply, I will decide whether the revisions have to be seen by the reviewers again.

All the best

Hubertus Fischer

Interactive comment on Clim. Past Discuss., 10, 3537, 2014.