

## ***Interactive comment on “NALPS: a precisely dated European climate record 120–60 ka” by R. Boch et al.***

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We appreciate D. Fleitmann's constructive comments. Based on his and the review of A. Svensson we decided to use the GICC05modelext ice core timescale (Wolff et al., 2010) instead of ss09sea in the time interval from 120 to 60 ka. This results in systematically smaller offsets between the NALPS and NGRIP climate curves, i.e. a better overall agreement. We will further present the timings and durations of D-O events in NALPS and NGRIP in an additional table. This will help the reader to draw quantitative conclusions. In the diagrams we compare the NALPS record to the NGRIP oxygen isotope curve and GICC chronologies only, although we are aware of various other interesting records (e.g. from speleothems) existing that could be used for a visual comparison. The idea, however, is to keep the main figures and manuscript

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compact and simple and to highlight the importance and reference of the NGRIP data. In order to address the different parts during the recurrent D-O progressions, we use the term "D-O event" to refer to the abrupt warming transition in particular, the term "GI" to refer to the warm proportion of such a millennial cycle and the term "GS" to address the cold portion in particular. With regard to the classification of GI 21 to 25 during MIS 5 we consider these events as part of the Last Glacial period and the Last Interglacial as limited to MIS 5.5.

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