

***Interactive comment on “The Antarctic ice core chronology (AICC2012): an optimized multi-parameter and multi-site dating approach for the last 120 thousand years” by D. Veres et al.***

**Anonymous Referee #2**

Received and published: 6 March 2013

This paper is a significant advance in the ongoing effort to improve the dating of Antarctic ice cores. The authors do an adequate job of explaining and justifying their methods.

The new timescales for all the cores, along with estimates of uncertainty for each core as a function of depth, should be deposited in an international data repository prior to publication. The published paper should say where the timescales have been deposited.

The paper should clarify how the stated uncertainties should be interpreted. (I.e. is the uncertainty the maximum error, the error that occurs half the time, the error that occurs 90% of the time, the error at the 1 sigma level, act.)

C3518

The paper should state under what situations the new timescales should be used and if there are any situations when it makes sense to use the previous timescale.

---

Interactive comment on Clim. Past Discuss., 8, 6011, 2012.