

## ***Interactive comment on “Modelling the transfer of supraglacial meltwater to the bed of Leverett Glacier, southwest Greenland” by C. C. Clason et al.***

**M.P. Lüthi**

luethi@vaw.baug.ethz.ch

Received and published: 30 July 2014

Just a short question: what is the rationale for adopting the value (Appendix B)

$A = 1.6 \times 10^{-15} \text{ s}^{-1} \text{ kPa}^{-3}$  (Paterson, 1994).

Patersons values are considerably higher than useful for ice flow modeling, and have been corrected to one third by Cuffey and Paterson (2010).

Also comparing ice dynamical modeling with measurements from Greenland [1] yields a satisfactory agreement with the Cuffey and Paterson (2010) values. So, a good rationale should be given for adopting outdated values, or better, the new values should

C1444

be used.

[1] <http://www.igsoc.org/journal/60/222/t13J196.html>

Best regards

Martin Lüthi

---

Interactive comment on The Cryosphere Discuss., 8, 4243, 2014.

C1445