

Notes on this submission:

I have updated the formatting of mathematical formulas in section 2.4.2 to the format used in *The Cryosphere*, have switched the letters  $n$  and  $m$  in Equation 11, and have thanked the editor in the acknowledgments section. Otherwise the manuscript is identical to the manuscript previously submitted (version 4) in response to the editor's request for minor revisions.

Thanks,  
Patrick Alexander