

ERRATUM

Hindmarsh, R. C. A. and E. Le Meur. 2001. Dynamical processes involved in the retreat of marine ice sheets. *J. Glaciol.*, **47**(157), 271–282.

Hindmarsh and Le Meur (2001, p.279) incorrectly stated that “the [ice-sheet] thinning associated with sea-level rise reported by Alley and Whillans (1984) . . . is a numerical artefact”. Alley and Whillans did not directly model the effects of sea-level rise, instead they assumed that sea-level rise would cause grounding-line retreat and near-coastal thinning, and modelled the ice-sheet response to specified thinning near the new grounding-line position. That response — up-glacier propagation of thinning — is not a numerical artefact but is robust and should occur in other models. By avoiding the physical problem of grounding-line motion addressed by Hindmarsh and Le Meur (2001), Alley and Whillans also avoided the potential numerical artefact identified by Hindmarsh and Le Meur.

ACKNOWLEDGEMENT

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REFERENCE

Alley, R. B. and I. M. Whillans. 1984. Response of the East Antarctica ice sheet to sea-level rise. *J. Geophys. Res.*, **89**(C4), 6487–6493.

Richard C. A. Hindmarsh
British Antarctic Survey
Natural Environment Research Council
High Cross, Madingley Road
Cambridge CB3 0ET, England
E-mail: rcah@bas.ac.uk