

Folded ice stratigraphy in North East Greenland: a three-dimensional structural analysis

AWI airborne multichannel
ultra-wideband radar



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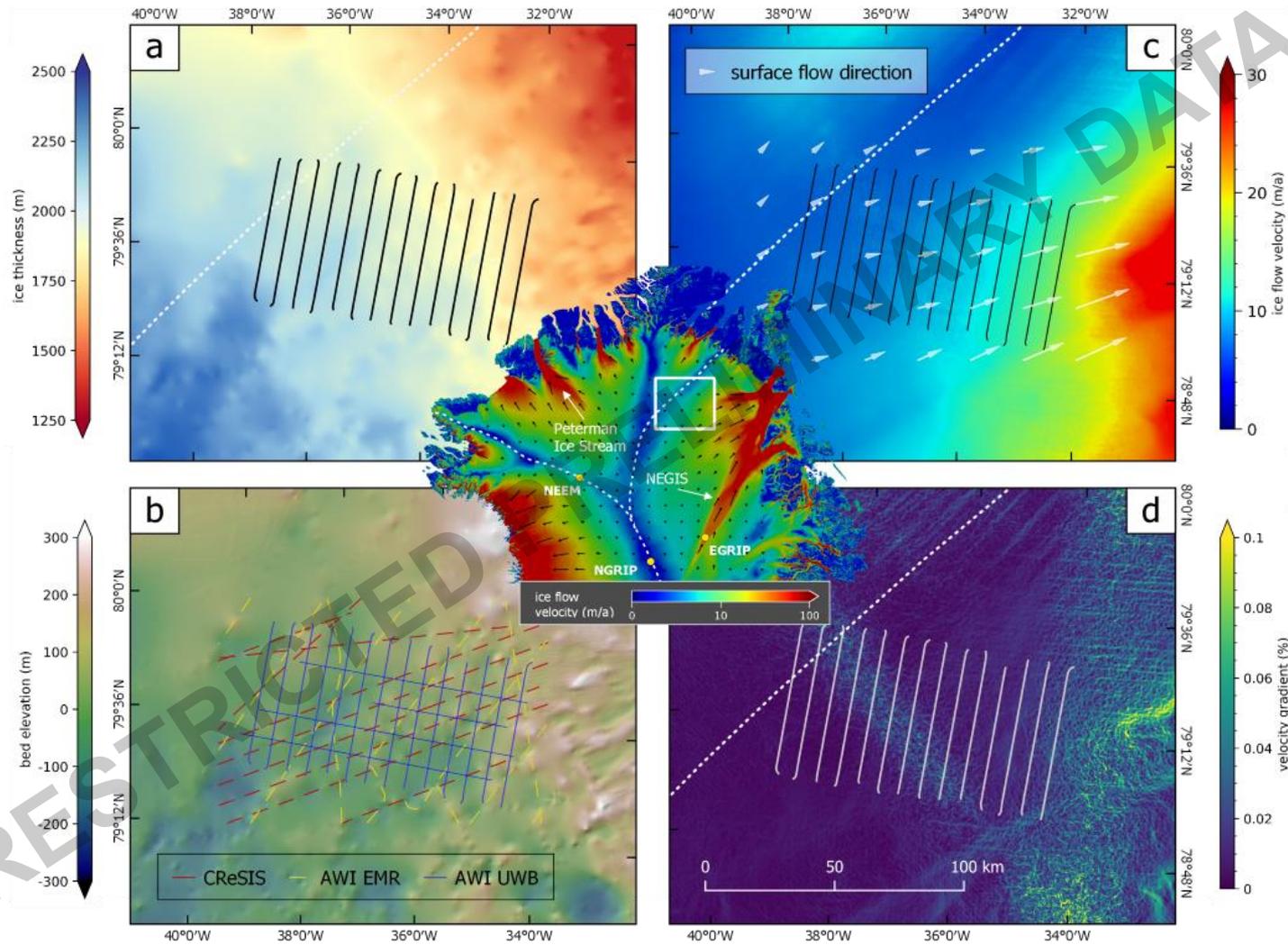
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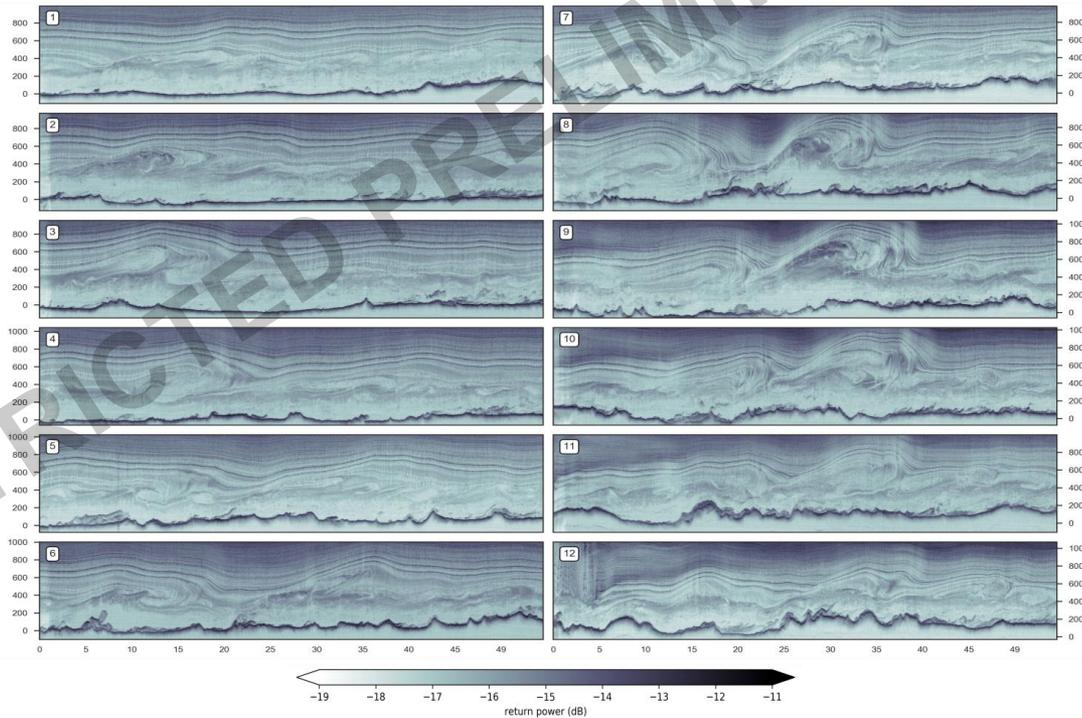
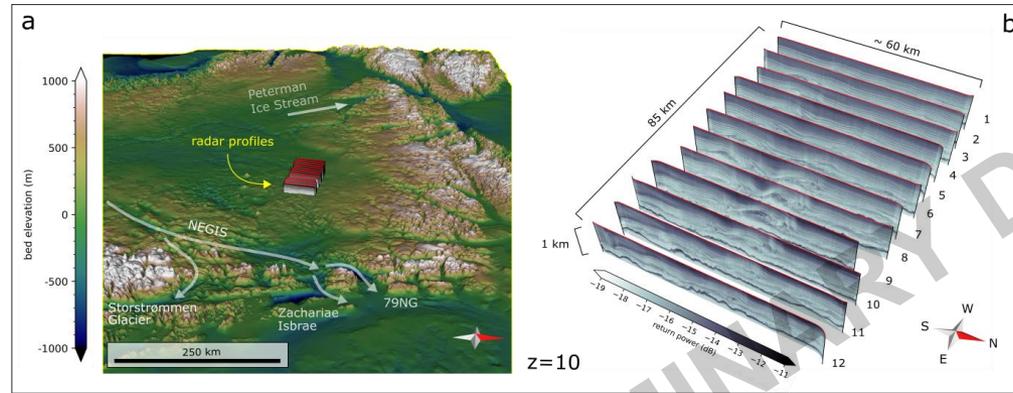
Motivation

What can we learn from a 3D reconstruction of deformed radar stratigraphy about the current and past configuration of the ice sheet?

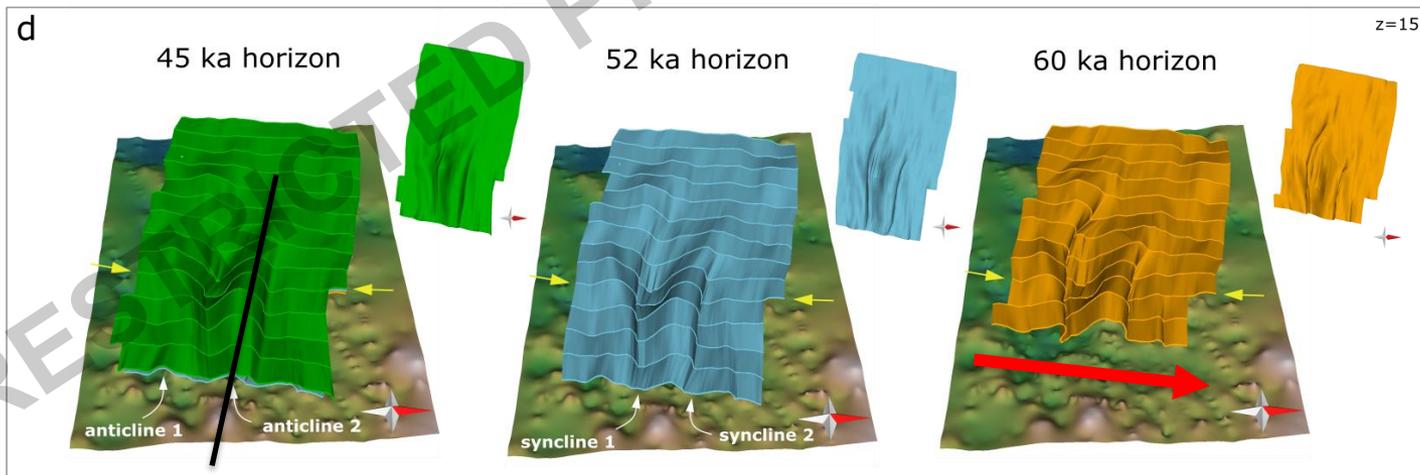
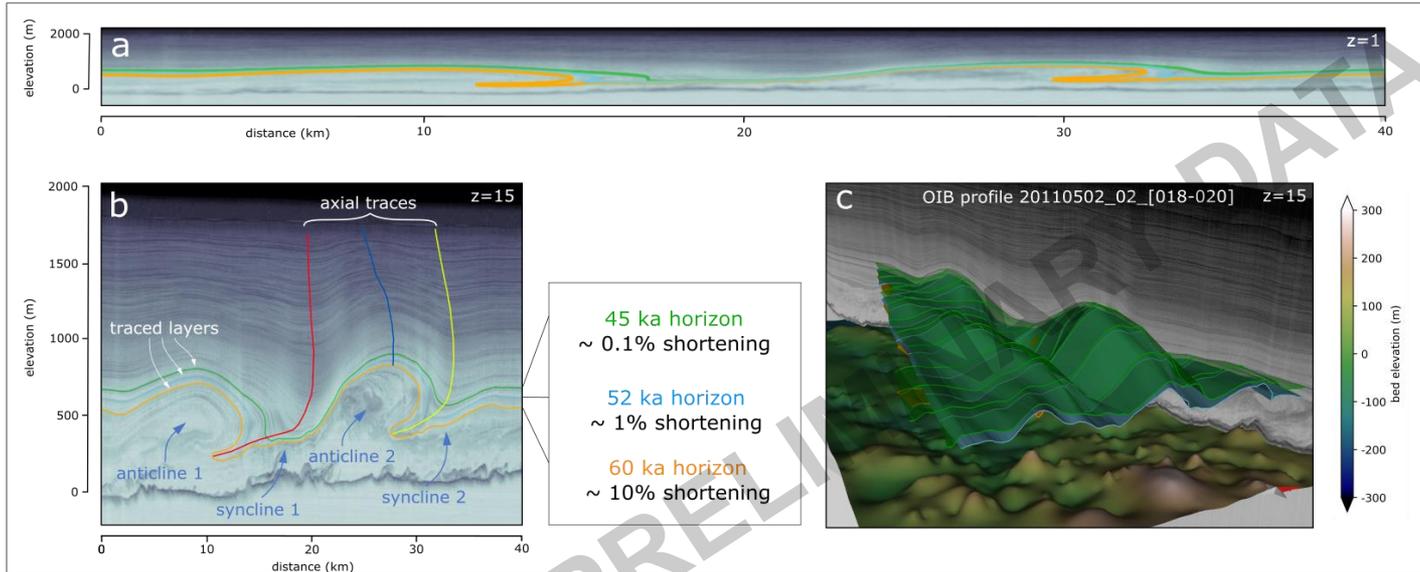
Study Site and Radar Data



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3D Surface Construction



fold axis

direction of overturning

Fold Orientation and Ice-Dynamic Setting

