



Supplement of

Small-scale disturbances in the stratigraphy of the NEEM ice core: observations and numerical model simulations

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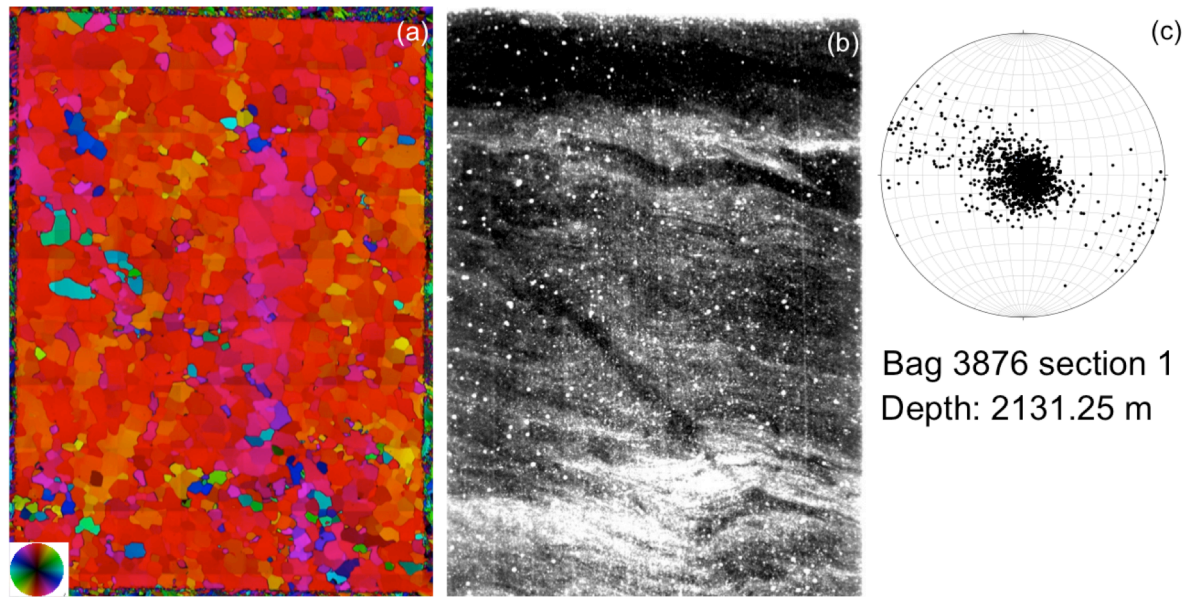


Figure S1: Comparison fabric data and visual stratigraphy in detail, Bag 3876, approximate depth 2131.25 m. (a) fabric data, (b) linescan image, (c) stereoplot of c-axis orientations.

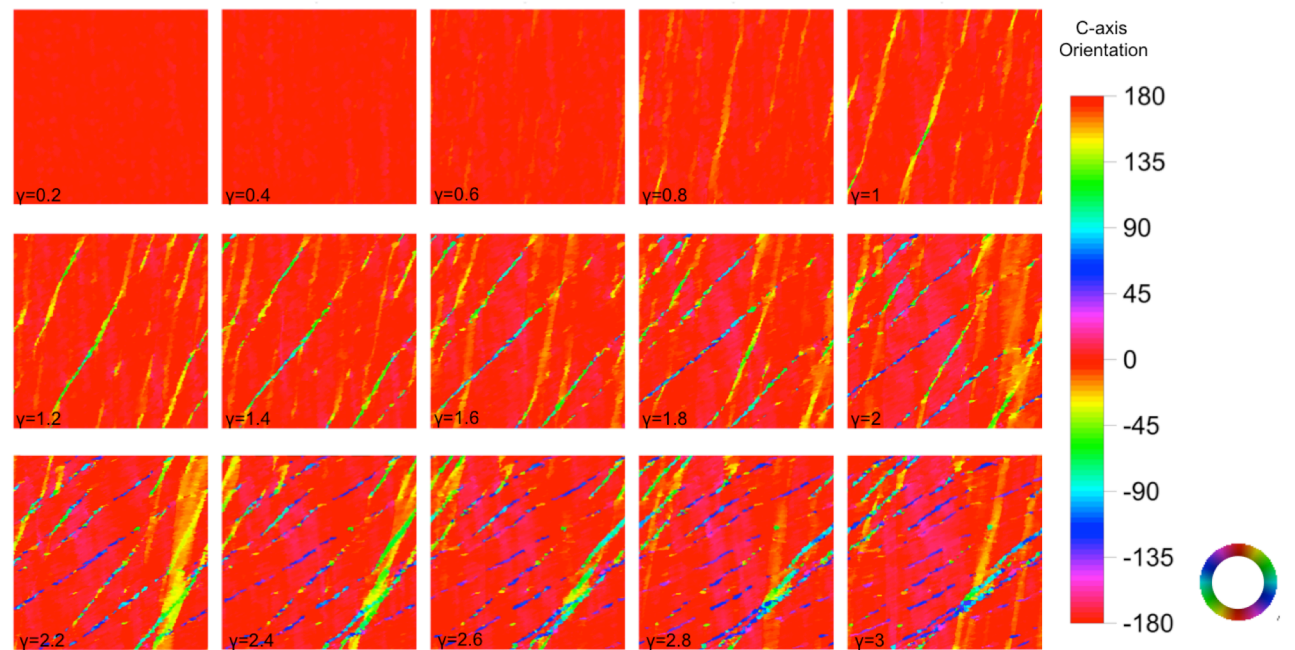


Figure S2: ELLE model results for the simple shear experiment for steps of $\gamma=0.2$.

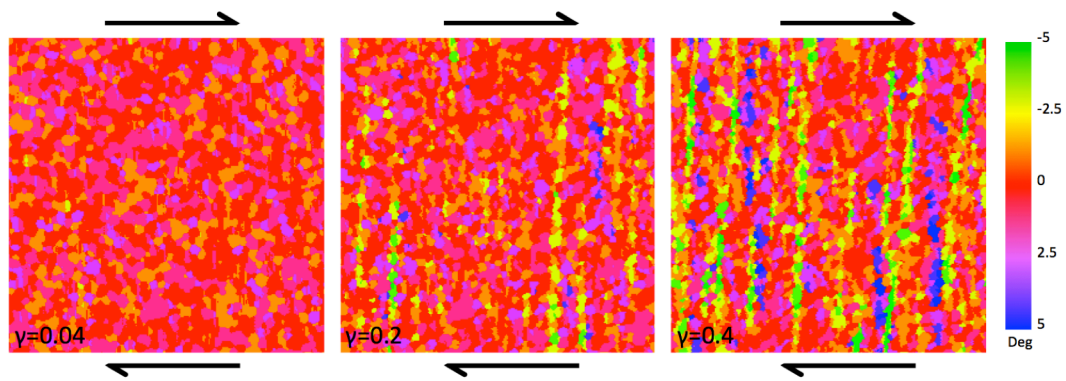


Figure S3: (a) Configuration of c-axes orientation for ELLE simulation after first deformation step. The color indicates the deviation from the vertical. Negative values indicate clockwise rotation. (b, c) C-axes orientations after $\gamma=0.2$ and $\gamma=0.4$

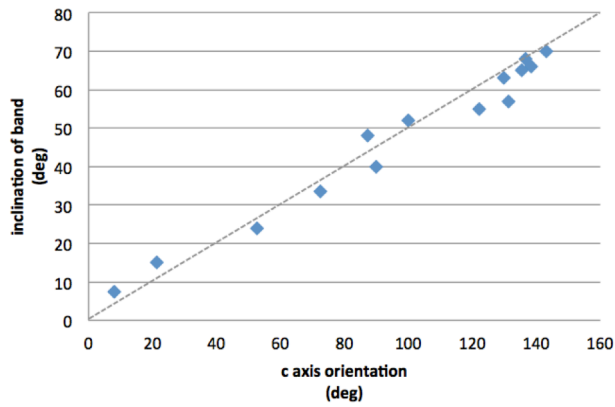


Figure S4: Relation between inclination of the bands and c-axes orientation derived from ELLE simulations. The dashed grey line indicates a slope of 0.5.