# A New Method for Automatically Tracing Englacial Layers from MCoRDS data in NW Greenland†

Siting Xiong [1],*, Jan-Peter Muller [1] and Raquel Caro Carretero[1, 2]

[1] Imaging Group, Mullard Space Science Laboratory (MSSL), Department of Space & Climate Physics,
     University College London, Holmbury St Mary, Dorking, Surrey, RH5 6NT, UK; E-Mail:
     siting.xiong.14@ucl.ac.uk; j.muller@ucl.ac.uk
[2] Universidad Pontificia Comillas, Madrid, Spain; rcaro@icai.comillas.edu
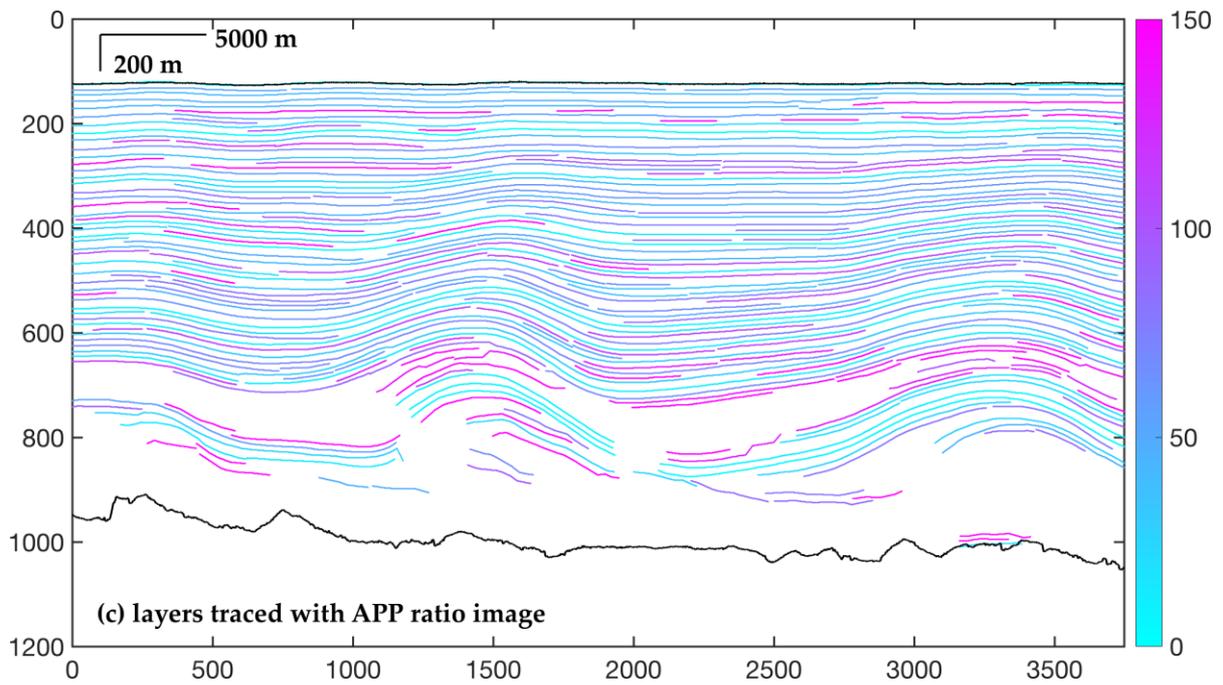
(a) layers traced with MEXH CS image

(b) layers traced with MORL CS image
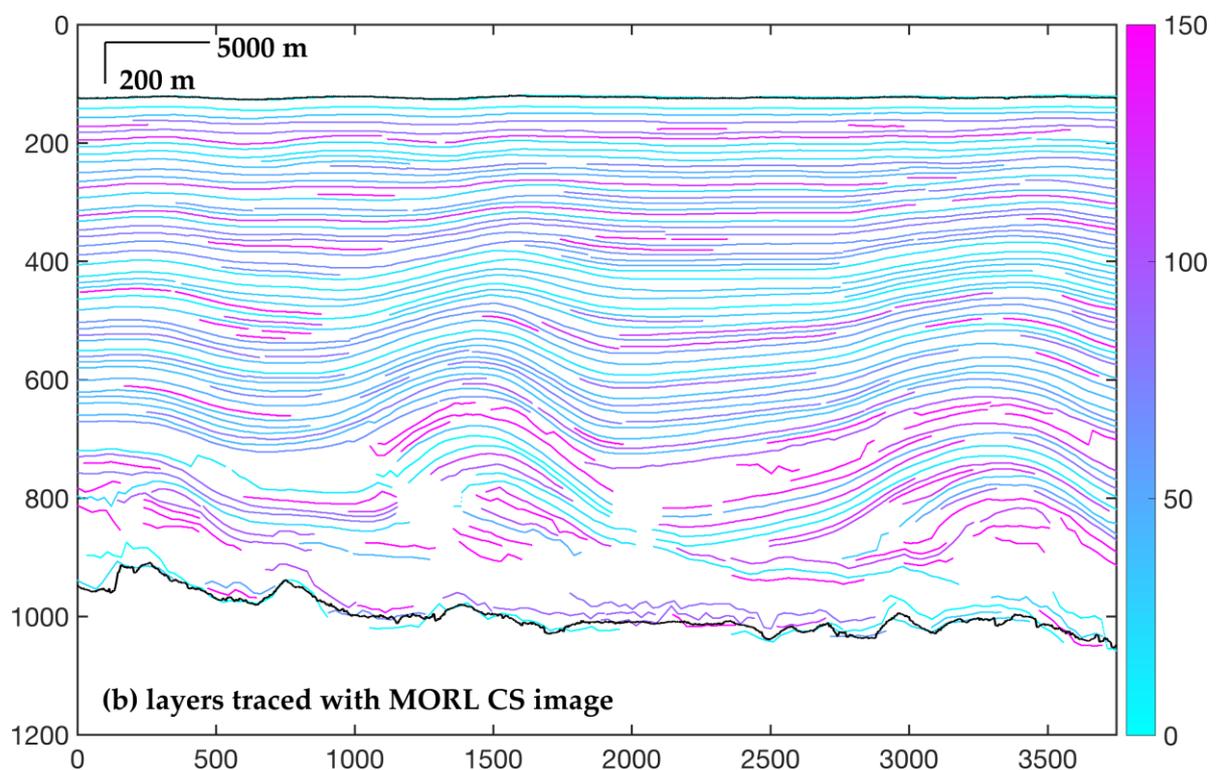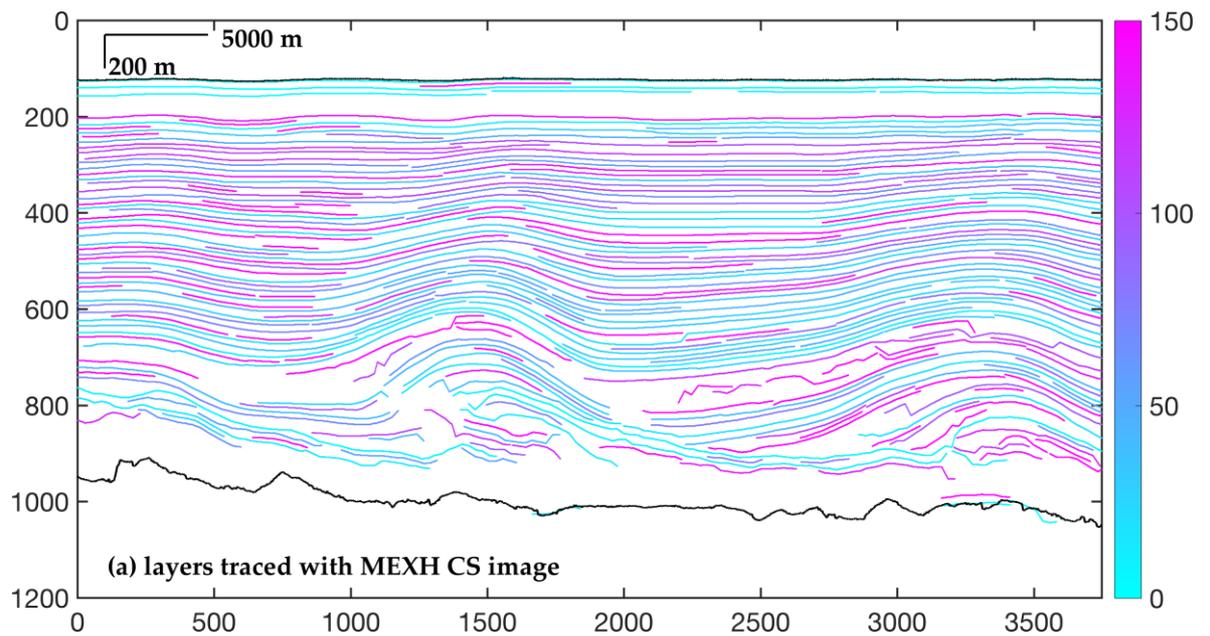
Figure S1. The outcome layers from layer-tracing procedures with inputs from the MEXH CS image, the MORL CS image and APP ratio image independently. Parameters for layer-tracing are a block size of 51 pixels, a maximum distance allowance of 7 pixels and a slope angle difference of 90° (MCoRDS data is 20110329_02_020).

(**a**)

MCoRDS (20120507_07_011-012)

(**b**)

McoRDS (20120508_04_005-007)

(**c**)

(**d**)

(**e**)
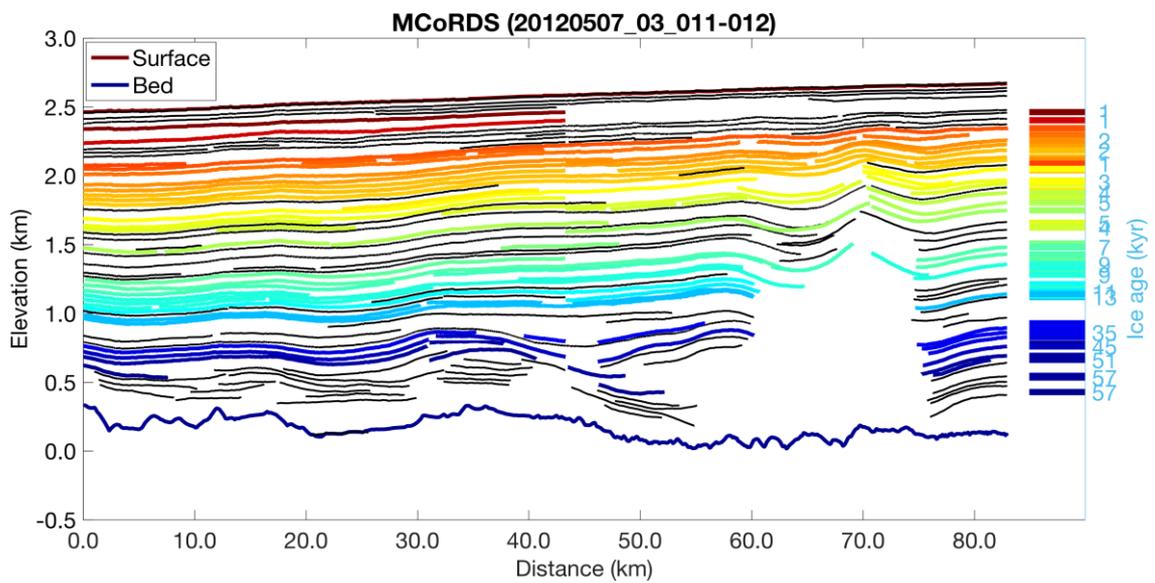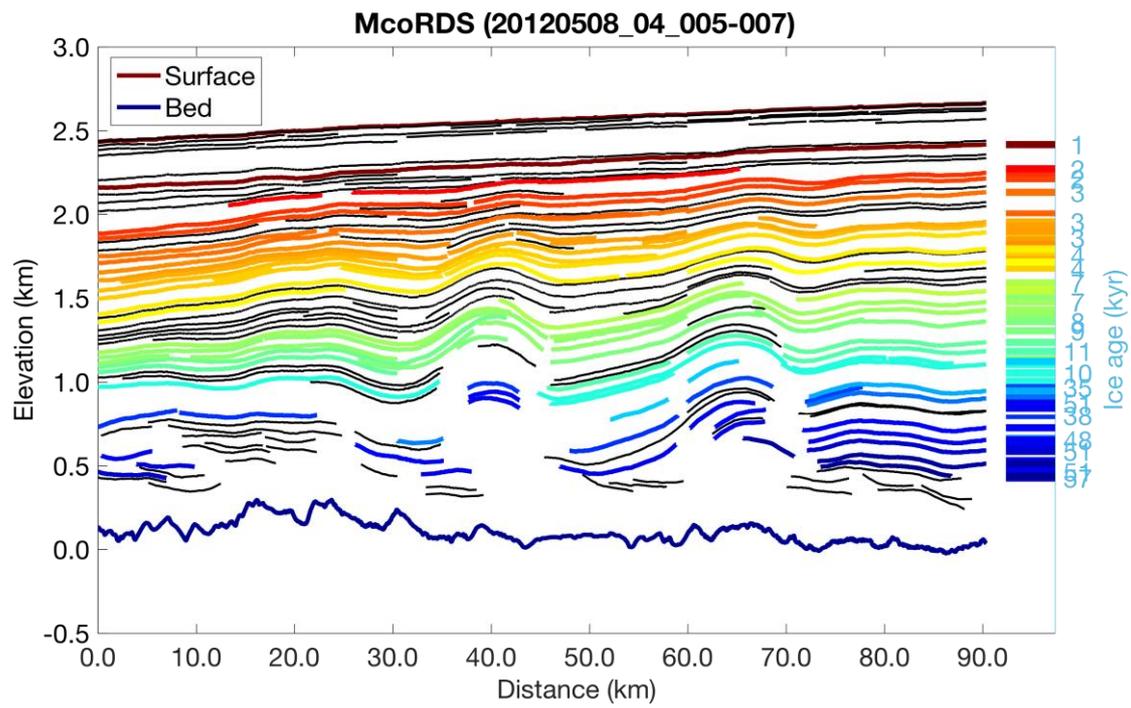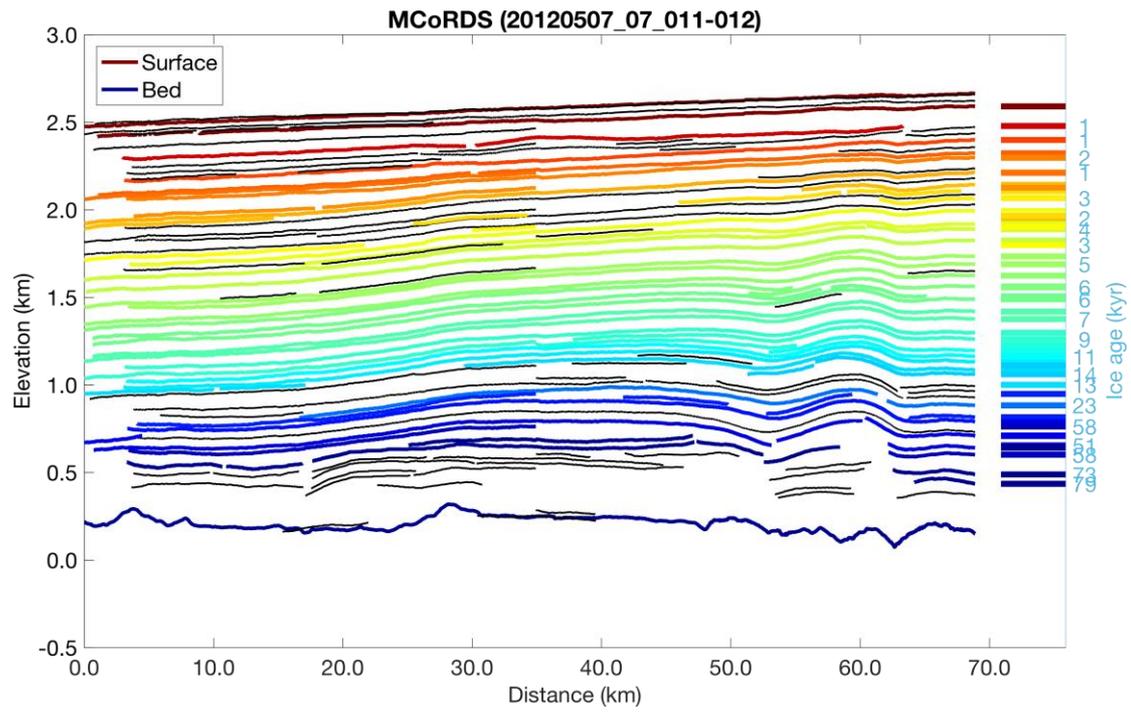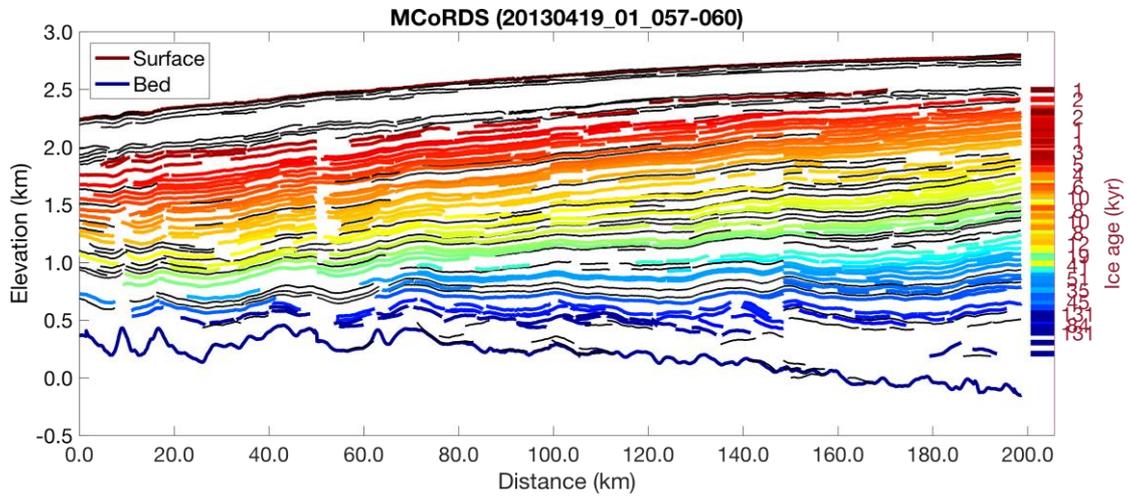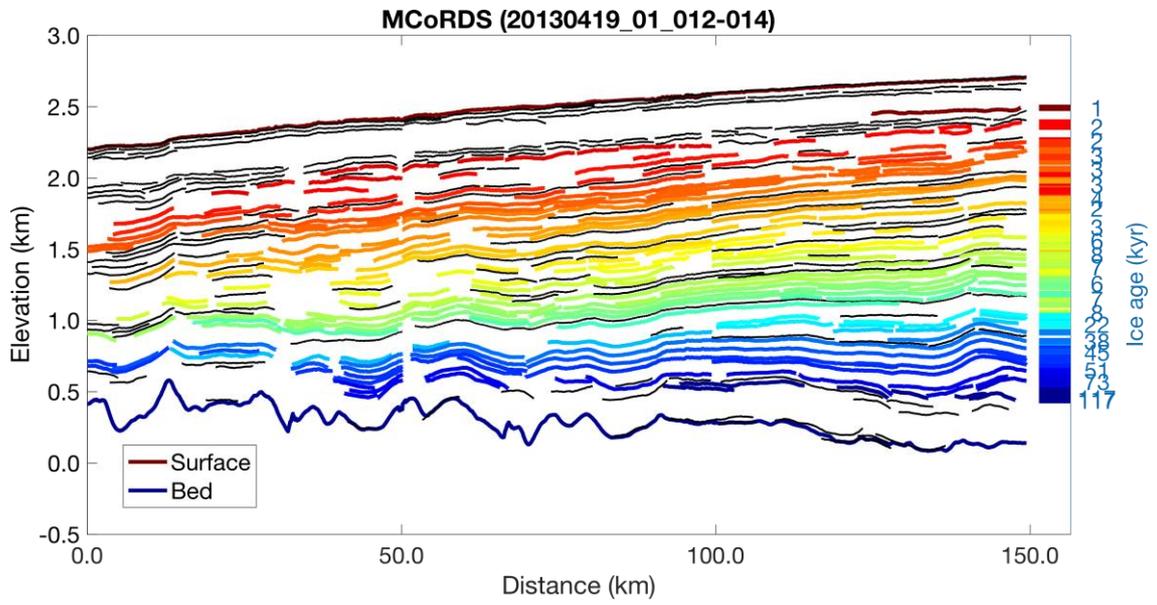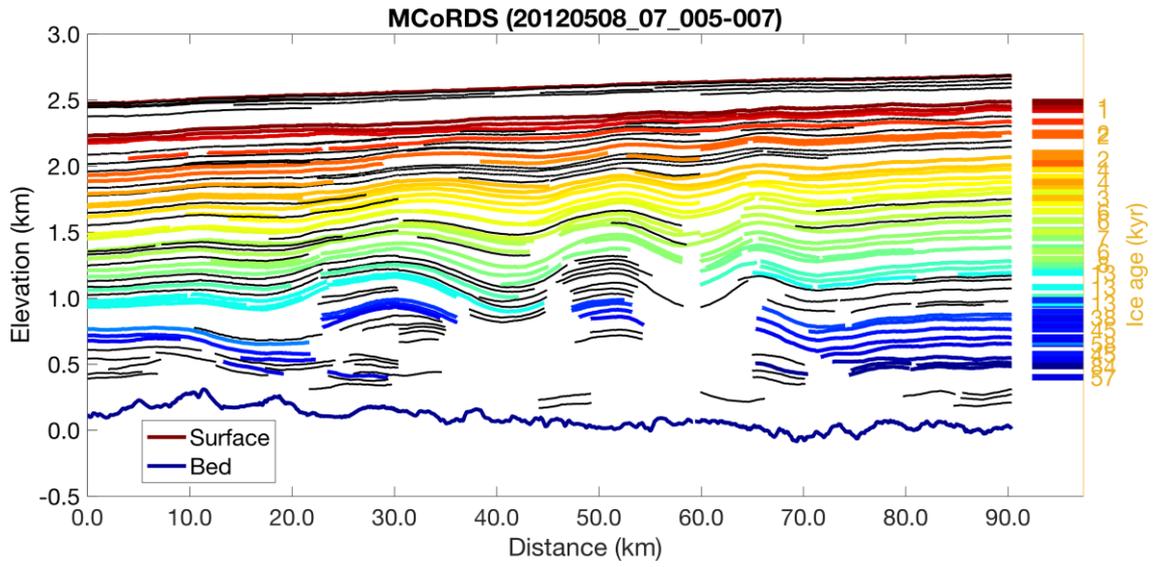
(**f**)

Figure S2. Comparison between the traced layers by using the proposed method and those in the RRRAG product.