

The core aliquots for physical properties measurement were 34 mm wide. Thin section sample preparation took place between November 2013 and May 2015 at Alfred-Wegener-Institute.

The samples are named for the drilling run (101 runs in total), the order of samples from a run (0-9 topdown) and the number of surface preparation (e.g. 48_13 would be the third surface preparation from the second sample of run 48).

Minimum depth of thin section samples: 25.61 m

Maximum depth: 71.80 m

All images (FA and LASM) have ice top equal image top. LASM images are mirrored horizontally compared to FA images.

Resolution: 500 px/cm (FA), 2000 px/cm (LASM)

Eigenvalues are calculated as area-weighted (aw) and grain-weighted (gw) with cAxes¹.

¹Eichler, J. (2013). "C-Axis analysis of the NEEM ice core – An approach based on digital image processing". Diplomarbeit am Alfred-Wegener-Institut Bremerhaven, 2013. Diploma thesis. Freie Universität Berlin.