

SitRep

EastGRIP ice core processing 2023

week 3 (09/10/2023 – 13/10/2023)

This week our team was reinforced by our Swiss colleague Florian. To Shuji and both Richards we had to say good bye during that week. It was great having you here! With fantastic motivation and work spirit we finished the first part of the EGRIP processing, by processing all of the core sections drilled in 2022 (Line Scan slab):

- bags #4146 - #4396
- tephra, CFA, Isotopes (continuous + discrete cuts)

Again, lots of beautiful pieces of ice with nice cloudy bands coming out visibly by naked eye due to relaxation (mainly growing plate like inclusions). We also sampled twice the 10 cm for the isotope CFA from the archive pieces from PP volume cuts.

The Boulder team has the isotope CFA lab running smoothly and now Bruce and Valerie are joined by Paloma Siegel from Boulder, and Nanna Andreasen from Copenhagen. Running the CFA for 12 hours a day, approximately 24 bags can be analyzed. Slow but steady progress is made.

It has been a very productive and joyful week with a bit of EGRIP field spirit, rounded off by our weekly Fridays-Processing lunch catering event.



Figure Captions: Left: volcanic ash layer in the bag mean isotope piece, and Niclas our intern from Uni Tübingen; Right: Cloudy bands visible after relaxation even little dark-field illumination.