

SitRep
EastGRIP ice core processing 2023
week 2 (02/10/2023 – 06/10/2023)

This week our team was reinforced by our Japanese colleague Shuji and the Boulder Team Bruce, Valerie and Richard. With such an accumulation of experience and skills in ice core handling and cold room operations it feels like a privilege to host the EGRIP processing. We collected so many ideas on how to improve processing steps here and there, that we almost started to daydream on a super-performing new ice lab...

Meanwhile we of course processed also EGRIP ice core bags – namely

- bags #3857 - #4145
- tephra, CFA, Isotopes (continuous + discrete)

Even though we pushed to move on most of the time, we had to stop once in a while to admire the beautiful pieces of ice. With increasing bag number, we find an increasing number of cloudy bands in the transparent ice, nicely to be observed due to the previously shaved surface for visual stratigraphy line scanning in the field.

The Boulder team got settled in our CFA lab and was able to set up their Isotope-CFA system and started to do test runs. They are quite happy that all of their gear has successfully survived storage for so long and is working well. Melanie Behrens has been very helpful in sorting out their local lab needs. Analyses of EGRIP ice will begin next week.

Overall, it has been a very productive week with everyone contributing with their skills, energy, experience and good mood – certainly the EGRIP spirit has entered our AWI building!



Figure Captions: Left: Richard unpacking and documenting the Lincscan piece; Right: Bärbel cutting the CFA& Gas piece